

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	1
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

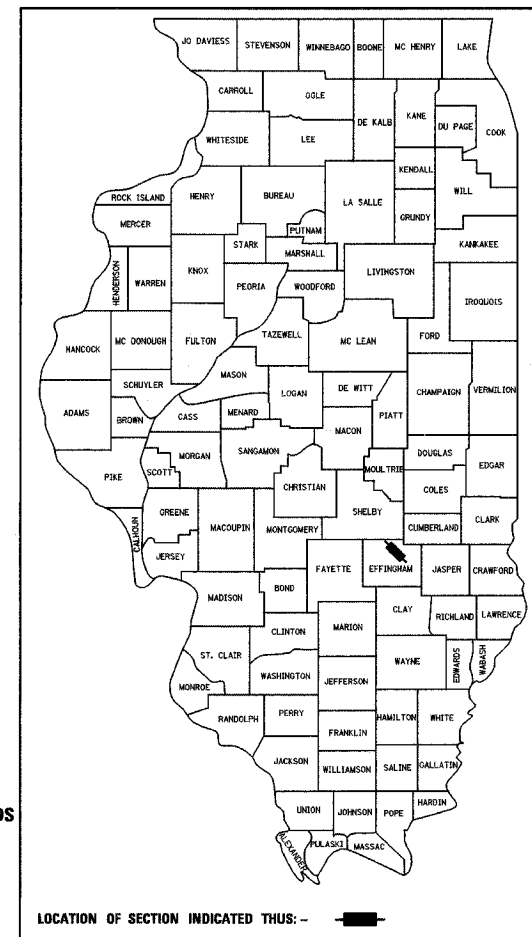
D-97-004-06

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL HIGHWAY PROJECT

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO'S 4-5

F.A.P. ROUTE 774 (ILLINOIS ROUTE 32/33)  
SECTION 107 WRS-2, L  
PROJECT: F-0774-(026)  
EFFINGHAM COUNTY  
C-97-006-06



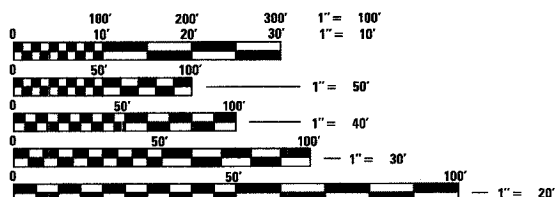
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 3-31 2006  
*Christina M. Reed*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

20

ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION  
May 12, 2006  
*Mike Hine*  
ENGINEER OF DESIGN AND ENVIRONMENT

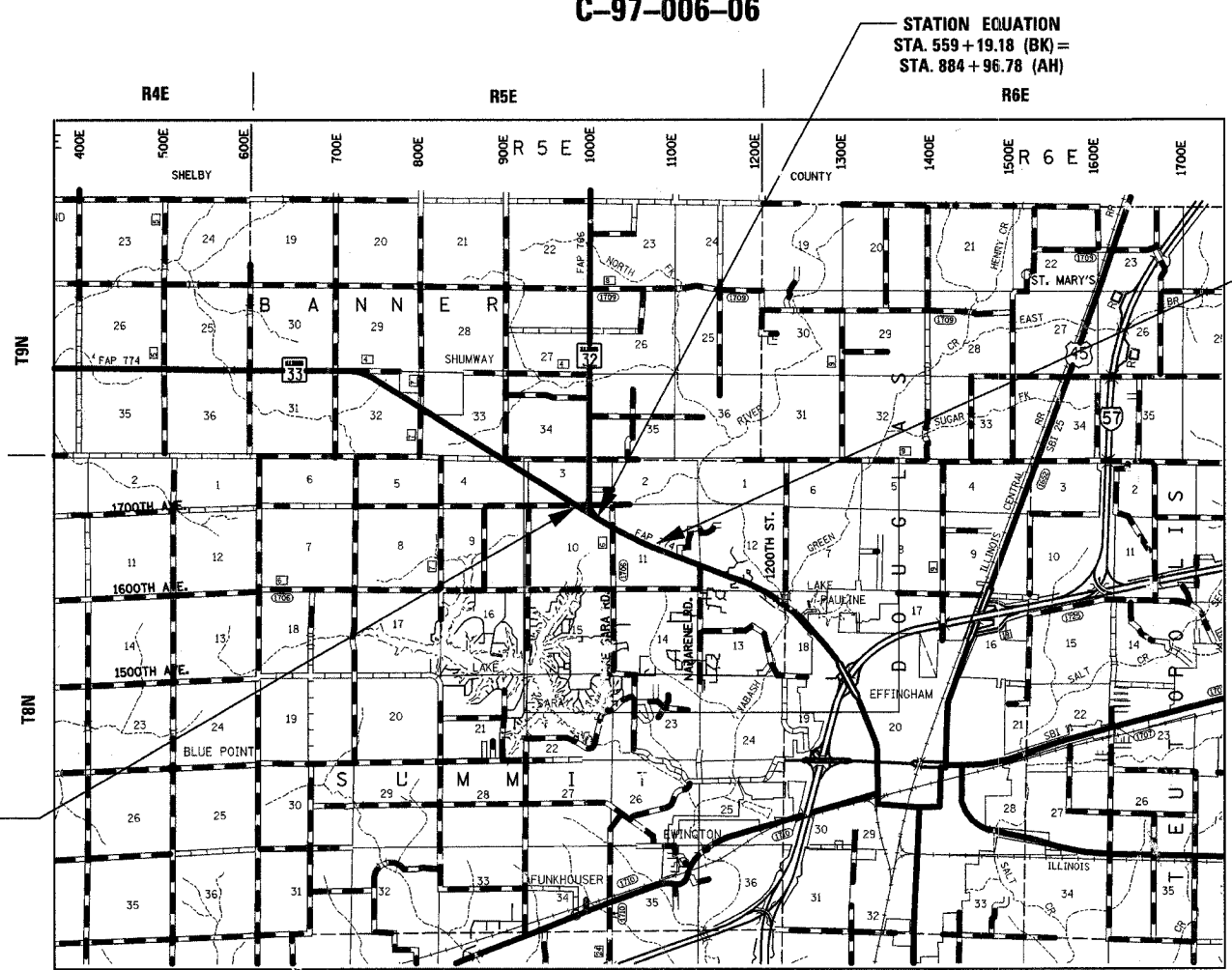
May 12, 2006  
*Milton R. Sues, P.E.*  
DIRECTOR, DIVISION OF HIGHWAYS



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.

FOR UNDERGROUND UTILITY LOCATIONS CALL J.U.L.I.E. TOLL FREE 1-800-892-0123 SUMMIT TOWNSHIP

PROPOSED IMPROVEMENT BEGINS STA. 541+93.85



PROPOSED IMPROVEMENT ENDS STA. 942+50.00

PROJECT ENGINEER: BILL STANLEY  
SQUAD LEADER:  
TELEPHONE: 217-342-8320

DESIGN DESIGNATION: 1803 (24) ARTERIAL 3.87 (FD 20)  
ADT = 13300 (2001)

CONTRACT NO. 74130  
SUMMIT TOWNSHIP

LOCATION MAP

GROSS AND NET LENGTH OF PROJECT = 7479 FT. = 1.42 MILES



*Sheila Kralinger*  
SHEILA J. KRALLINGER, P.E.  
DATE: 3-8-2006  
EXPIRES: 11/30/2007

FHWA \_\_\_\_\_ 20 \_\_\_\_\_  
DIVISION ADMINISTRATOR

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OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	2
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 74130

## HIGHWAY STANDARDS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NUMBER: 127

STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATION, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
406201-05	MAILBOX TURNOUT
420001-06	PAVEMENT JOINTS
482001	BITUMINOUS SHOULDER DETAILS - ADJACENT TO FLEXIBLE PAVEMENT
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311	GRATING FOR CONCRETE END SECTION FOR 24" THRU 54" PIPE
542401	METAL END SECTION FOR PIPE CULVERT
542406	METAL END SECTION FOR PIPE ARCHES
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-02	PC CONCRETE ISLANDS AND MEDIANS
666001	RIGHT OF WAY MARKERS
667101	PERMANENT SURVEY MARKERS
701001-01	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
701006-02	OFF ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600mm (24") FROM PAVEMENT EDGE
701011-01	OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS $\geq$ 45 MPH
702001-00	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
878001-04	CONCRETE FOUNDATION DETAILS
BLR-22-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
701311-02	OFF ROAD OPERATIONS MULTI-LANE 15 FT. TO 24" FROM PAVEMENT EDGE
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

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16	ENTRANCE PIPE CULVERT SCHEDULE
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS AND  
INDEX OF SHEETS

DRAWN BY ASB  
CHECKED BY SJK

DATE 8/02



CONTRACT NO. 74130

### GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.
- THE WORK INCLUDED IN THIS SECTION CONSISTS OF REHABILITATING AND WIDENING APPROXIMATELY 1.42 MILES OF F.A.P. ROUTE 774 (IL RTE 32/33) BY MILLING, WIDENING OF PAVEMENT, SHOULDRS, REALIGNING DITCHES, RESURFACING, EXTENDING, REMOVING AND REPLACING CULVERTS, RETAINING WALLS, AND PAVEMENT REMOVAL.
- THE PROPOSED PROJECT BEGINS WEST OF THE WYE INTERSECTION OF IL ROUTE 32 AND IL ROUTE 33 AT STA. 541+93.85 AND EXTENDS IN AN EASTERLY DIRECTION TO A STATION EQUATION AT STA. 559+19.18(BK) = STA. 884+96.78(AH), THEN CONTINUES TO STA. 942+50.00 WEST OF NAZARENE ROAD, A TOTAL DISTANCE OF 1.42 MILES.
- PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AS SHOWN ON THE PLANS, AND AS DETERMINED BY THE ENGINEER.

TEMPORARY PAINT PAVEMENT MARKING APPLIED TO BINDER COURSE CONSISTS OF THE FOLLOWING:

	STAGE I	STAGE II	STAGE III
LETTERS & SYMBOLS	36	0	0
LINE 4"	23,339	21,355	4,750
LINE 12"	510	780	1,770

SHORT TERM PAVEMENT MARKING APPLIED DURING PRE-STAGE I AND STAGE III MAY BE PAINT OR TAPE. SHORT TERM PAVEMENT MARKING APPLIED ON THE FINAL SURFACE SHALL BE TAPE.

	PRE-STAGE I	STAGE III	FINAL SURFACE
LETTERS & SYMBOLS	1,047	539	4,046

TEMPORARY PAVEMENT MARKING APPLIED ON THE FINAL SURFACE SHALL BE TAPE. EXCEPT, MARKING PLACED PRIOR TO THE WINTER SHUTDOWN SHALL BE PAINT.

LETTER & SYMBOLS	QUANTITIES
LETTER & SYMBOLS	530.4 SQUARE FEET OF WHITE.
LINE 4"	30,067 FEET OF YELLOW AND 18,468 FEET OF WHITE.
LINE 6"	3,979 FEET OF YELLOW.
LINE 12"	3,561 FEET OF YELLOW AND 390 FEET OF WHITE.
LINE 24"	43 FEET OF WHITE.

FINAL PAVEMENT MARKINGS:  
THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LETTERS & SYMBOLS CONSISTS OF 530.4 SQUARE FEET OF WHITE.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 4" CONSISTS OF 30,067 FEET OF YELLOW AND 18,468 FEET OF WHITE.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 6" CONSISTS OF 3,979 FEET OF YELLOW.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 12" CONSISTS OF 3,561 FEET OF YELLOW AND 390 FEET OF WHITE.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 24" CONSISTS OF 43 FEET OF WHITE.

- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, THE PLANS, AND AS DETERMINED BY THE ENGINEER. THE FINAL PAVEMENT MARKINGS SHALL BE PLACED PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS. ESTIMATED QUANTITIES:

CRYSTAL (MONODIRECTIONAL)	328 EACH
CRYSTAL (BIDIRECTIONAL)	0 EACH
AMBER (MONODIRECTIONAL)	371 EACH
AMBER (BIDIRECTIONAL)	54 EACH
TOTAL	753 EACH

- THE CONTRACTOR SHALL PROVIDE AN ENGINEERS FIELD OFFICE TYPE A IN ACCORDANCE WITH ARTICLE 670.02 OF THE STANDARD SPECIFICATIONS.

- THE FOLLOWING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE D, N70 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE-MAINLINE & PUBLIC ROADS
AC/PG:	PG 64-22
RAP%: (MAX)	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	IL-9.5
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	MIXTURE D

- THE FOLLOWING LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	LEVELING BINDER-MAINLINE & PUBLIC ROADS
AC/PG:	PG 64-22
RAP%: (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	IL-9.5
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	N/A

- THE FOLLOWING BITUMINOUS CONCRETE BASE COURSE, SUPERPAVE, 11 3/4" MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	BASE COURSE-MAINLINE
AC/PG:	PG 64-22
RAP%: (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	IL-19.0
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	N/A

- THE FOLLOWING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D N90 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE - MAINLINE & PUBLIC ROADS
AC/PG:	SBS PG 70-22
RAP%: (MAX)	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90
MIXTURE COMPOSITION:	IL-9.5
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	MIXTURE D

- THE FOLLOWING LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N90 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	LEVELING BINDER - MAINLINE & PUBLIC ROADS
AC/PG:	PG 64-22
RAP%: (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90
MIXTURE COMPOSITION:	IL-9.5
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	N/A

- THE FOLLOWING BITUMINOUS SHOULDERS, SUPERPAVE, 8" MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	BITUMINOUS SHOULDERS
AC/PG:	PG 58-22
RAP%: (MAX)	50%
DESIGN AIR VOIDS:	2.0% @ NDESIGN = 30
MIXTURE COMPOSITION:	N/A
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	N/A

- THE FOLLOWING INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE - DRIVEWAYS
AC/PG:	PG 64-22
RAP%: (MAX)	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 50
MIXTURE COMPOSITION:	IL-9.5
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	MIXTURE C

- THE FOLLOWING BITUMINOUS BASE COURSE SUPERPAVE 6", 8", AND 9 1/2" MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	BASE COURSE-PUBLIC ROADS & DRIVEWAYS
AC/PG:	PG 64-22
RAP%: (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	IL-19.0
(GRADATION MIXTURE)	
FRICITION AGGREGATE:	N/A

- THE CONTRACTOR WILL BE REQUIRED TO FOG COAT ALL INTERMEDIATE LIFTS OF BITUMINOUS BASE COURSE SUPERPAVE, 9 1/2" AND 11 3/4" WITH AN EMULSIFIED POLYMER PRIME PRODUCT CLASSIFIED AS SS-IHP. THIS PRODUCT WILL ALSO BE USED AS THE BITUMINOUS MATERIAL (PRIME COAT) BEFORE ANY LEVELING BINDER IS LAID.

- ANY AREAS OF NEW WIDENING OVER EXISTING DITCHES WHERE SHOWN ON THE PLANS TO BE UNDERCUT BEYOND TOP SOIL REMOVAL SHALL BE PAID FOR AS EARTH EXCAVATION. THE MATERIAL OBTAINED FROM THE UNDERCUT AND CHANNEL EXCAVATION OPERATIONS SHALL NOT BE INCORPORATED INTO THE PROPOSED PAVEMENT OR SUB-BASE, BUT MAY BE USED IN THE EMBANKMENT SIDE SLOPES. THE EXCAVATED ROOT ZONE MATERIAL SHALL NOT BE INCORPORATED INTO THE PROPOSED EMBANKMENT.

- PORTIONS OF EXISTING CULVERTS MAY BE REMOVED TO FACILITATE THEIR EXTENSION. THE LOCATIONS AND REMOVAL AREAS SHALL BE DETERMINED BY THE ENGINEER. THE COST OF THE REMOVAL SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF THE PROPOSED CULVERTS INVOLVED AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED.

- ALL ELEVATIONS SHOWN IN PLANS ARE BASED ON U.S.G.S. DATUM.

- ANY SECTION CORNERS DISTURBED DURING CONSTRUCTION SHALL BE REESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. A LIST OF SECTION CORNERS WITHIN THE PROJECT LIMITS IS CONTAINED IN THE RIGHT-OF-WAY PLANS.

- RIGHT-OF-WAY MARKERS SHALL BE ERECTED WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED. IN WHICH INSTANCE THE RIGHT-OF-WAY MAKER WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE.

- ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS SHALL BE FERTILIZED AND SEEDDED. SEEDING SHALL BE CLASS 2A IN ACCORDANCE WITH THE SPECIFIC PROVISIONS AND THE APPLICABLE ARTICLES OF SECTION 250 OF THE STANDARD SPECIFICATIONS. THE FOLLOWING APPLICATION RATE SHALL BE USED FOR THE VARIOUS ITEMS NECESSARY FOR SEEDING:

NITROGEN FERTILIZER NUTRIENTS - 90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS - 90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENTS - 90 LB/ACRE
AGRICULTURAL GROUND LIMESTONE - 2 TONS/ACRE

- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF UTILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

- THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO MAINTAIN DRAINAGE DURING STAGE CONSTRUCTION OF THE BOX AND PIPE CULVERTS.

- THE CONTRACTOR WILL BE RESPONSIBLE FOR RELOCATING SIGNS OR DELIVERING EXISTING SIGNS TO THE IDOT DISTRICT 7 SIGN SHOP AS DIRECTED BY THE ENGINEER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL ITEMS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROUTE-SIGNS SUCH AS STOP SIGNS, SPEED LIMIT SIGNS ETC. AND THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL PAY ITEMS.

- ALL DRIVEWAYS AND PUBLIC ROADS BEING RECONSTRUCTED SHALL BE COMPLETED IN STAGES TO ALLOW ACCESS AT ALL TIMES.

- COURSE AGGREGATE FOR "AGGREGATE SURFACE COURSE TYPE B" AND "AGGREGATE SHOULDERS" SHALL BE CRUSHED STONE, WITH MINIMUM IBR=80.

- THE TOP 12 INCHES OF EMBANKMENT UNDER THE PAVEMENT WIDENING AND SHOULDERS SHALL BE MATERIALS COMPATABLE WITH "PROCESSING LIME MODIFIED SOILS."

- EXISTING REMOVED RIPRAP MAY BE USED IN EMBANKMENT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THIS WORK IS NOT PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF EARTHWORK.

- TOPSOIL AND EARTH STOCK PILES SHALL BE TEMPORARILY SEEDDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS. COST INCLUDED IN COST OF VARIOUS EARTHWORK AND TOPSOIL QUANTITIES.

- THERE ARE NO COMMITMENTS FOR THIS PROJECT.

- THIS PROJECT SHALL BE COORDINATED WITH CONSTRUCTION OF THE ROADWAY PROJECT IN THE SAME AREA. THE CONTRACTOR SHALL NOT START THIS PROJECT WITHOUT THE APPROVAL OF THE DISTRICT 7 PROJECT IMPLEMENTATION ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

DRAWN BY MLO  
CHECKED BY SJK  
DATE 8/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	4
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE	
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	801.FED./201.STATE	
				1000-2A	Y030-IE
2010010	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	33	33	
2010020	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	52	52	
20200100	EARTH EXCAVATION	CU YD	25,165	25,165	
20200300	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	68	68	
20800150	TRENCH BACKFILL	CU YD	237	237	
25000210	SEEDING, CLASS 2A	ACRE	7.0	7.0	
25000312	SEEDING, CLASS 4A	ACRE	3.0	3.0	
25000320	SEEDING, CLASS 5	ACRE	3.0	3.0	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	900	900	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	900	900	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	900	900	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	20.0	20.0	
25100120	MULCH, METHOD 2	TON	20.0	20.0	
25100630	EROSION CONTROL BLANKET	SQ YD	162	162	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,000	1,000	
28000300	TEMPORARY DITCH CHECKS	EACH	50	50	
28000400	PERIMETER EROSION BARRIER	FOOT	75	75	
28000500	INLET AND PIPE PROTECTION	EACH	15	15	
28100107	STONE RIPRAP, CLASS A4	SQ YD	602	602	
28200200	FILTER FABRIC	SQ YD	602	602	
30200650	PROCESSING MODIFIED SOILS 12"	SQ YD	33,589	33,589	
30201500	LIME	TON	846.5	846.5	
3100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	1,989	1,989	
3101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	1,916	1,916	
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	1,368	1,368	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	119	119	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	165	165	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	21,958	21,958	
40600300	AGGREGATE (PRIME COAT)	TON	134.4	134.4	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	617	617	
40600990	TEMPORARY RAMP	SQ YD	707	707	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	91	91	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	652	652	
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	23,099	23,099	
44000100	PAVEMENT REMOVAL	SQ YD	4,002	4,002	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	308	308	
44001430	BITUMINOUS SHOULDER REMOVAL	SQ YD	2,288	2,288	
44002805	ISLAND REMOVAL	SQ FT	86	86	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	8,546	8,546	
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	8,151	8,151	
50105200	REMOVE EXISTING CULVERTS	EACH	22	22	
50300225	CONCRETE STRUCTURES	CU YD	54.6	54.6	
50800105	REINFORCEMENT BARS	POUND	8,964	8,964	
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2	2	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	52	52	
54010302	PRECAST CONCRETE BOX CULVERT 3' X 2'	FOOT	52	52	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	183	183	
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	128	128	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	218	218	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE	
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	801.FED./201.STATE	
				1000-2A	Y030-IE
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	403	403	
542D0226	PIPE CULVERTS, CLASS D, TYPE 1 21"	FOOT	77	77	
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	103	103	
542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	47	47	
542D5473	PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT ROUND-SIZE 18"	FOOT	30	30	
542JA024	PIPE CULVERTS, CLASS A 24" (JACKED)	FOOT	154	154	
54207162	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE-ELLIPTICAL EQUIVALENT ROUND-SIZE 27"	FOOT	105	105	
54213450	END SECTIONS 15"	EACH	12	12	
54213453	END SECTIONS 18"	EACH	16	16	
54213456	END SECTIONS 21"	EACH	4	4	
54213459	END SECTIONS 24"	EACH	6	6	
54213465	END SECTIONS 30"	EACH	2	2	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	7	7	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2	
54214293	END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2	
54214722	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, ELLIPTICAL EQUIVALENT ROUND-SIZE 27"	EACH	2	2	
55101200	STORM SEWER REMOVAL 24"	FOOT	116	116	
55101600	STORM SEWER REMOVAL 36"	FOOT	195	195	
55101900	STORM SEWER REMOVAL 48"	FOOT	309	309	
60218300	MANHOLES, TYPE A, 4"-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1	
60500040	REMOVING MANHOLES	EACH	2	2	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	192	192	
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	1,246	1,246	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	35	35	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	8	8	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7	
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	7	7	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	39	39	
70104490	TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 1	EACH	1	1	
70104495	TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 2	EACH	1	1	
70104500	TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 3	EACH	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,632	5,632	
70300210	TEMPORARY PAVEMENT MARKING, LETTERS & SYMBOLS	SQ FT	530.4	530.4	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	48,535	48,535	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3,979	3,979	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3,951	3,951	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	43	43	
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS & SYMBOLS	SQ FT	36	36	
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	49,444	49,444	
70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	1,770	1,770	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	24,527	24,527	
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	530.4	530.4	
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	48,535	48,535	
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	3,979	3,979	
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	3,951	3,951	
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	43	43	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	753	753	

\* DENOTES SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES  
SHEET 1 OF 2  
DRAWN BY ASB  
CHECKED BY SJK  
DATE 8/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	5
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE	
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y030-IE
				RURAL	RURAL
78300200	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL	EACH	48	48	
78300500	PAINT PAVEMENT MARKING REMOVAL	SQ FT	8,778	8,778	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	3		3
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	258		258
* 81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	546		546
* 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	258		258
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,463		2,463
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	345		345
* 82103900	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	8		8
* 82500510	LIGHTING CONTROLLER TYPE CB-RCS 60 AMP-240 VOLT	EACH	3		3
* X8300640	LIGHT POLE, FIBER GLASS, 45 FT. M.H., TENON MOUNT	EACH	8		8
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	64		64
* 83800505	BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT	EACH	32		32
Z0023500	FILLING EXISTING CULVERTS	CU YD	6.1	6.1	
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	10	10	
Δ Z0076600	TRAINEES	HOUR	1000	1000	
XX000610	RELOCATE EXISTING MAILBOX	EACH	4	4	
XX001017	REMOVE RIGHT-OF-WAY MARKERS	EACH	9	9	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	3	3	
X3550500	BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	3,524	3,524	
X3550610	BITUMINOUS BASE COURSE SUPERPAVE 9 1/2"	SQ YD	1,929	1,929	
X3550815	BITUMINOUS BASE COURSE SUPERPAVE 11 3/4"	SQ YD	22,644	22,644	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	15	15	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	10	10	
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	5,805	5,805	
X4066528	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90	TON	325	325	
X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	1,131	1,131	
X4066775	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N90	TON	179	179	
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE N50	TON	108	108	

⊙ SFTY-3C  
Δ Y080

\* DENOTES SPECIALTY ITEM

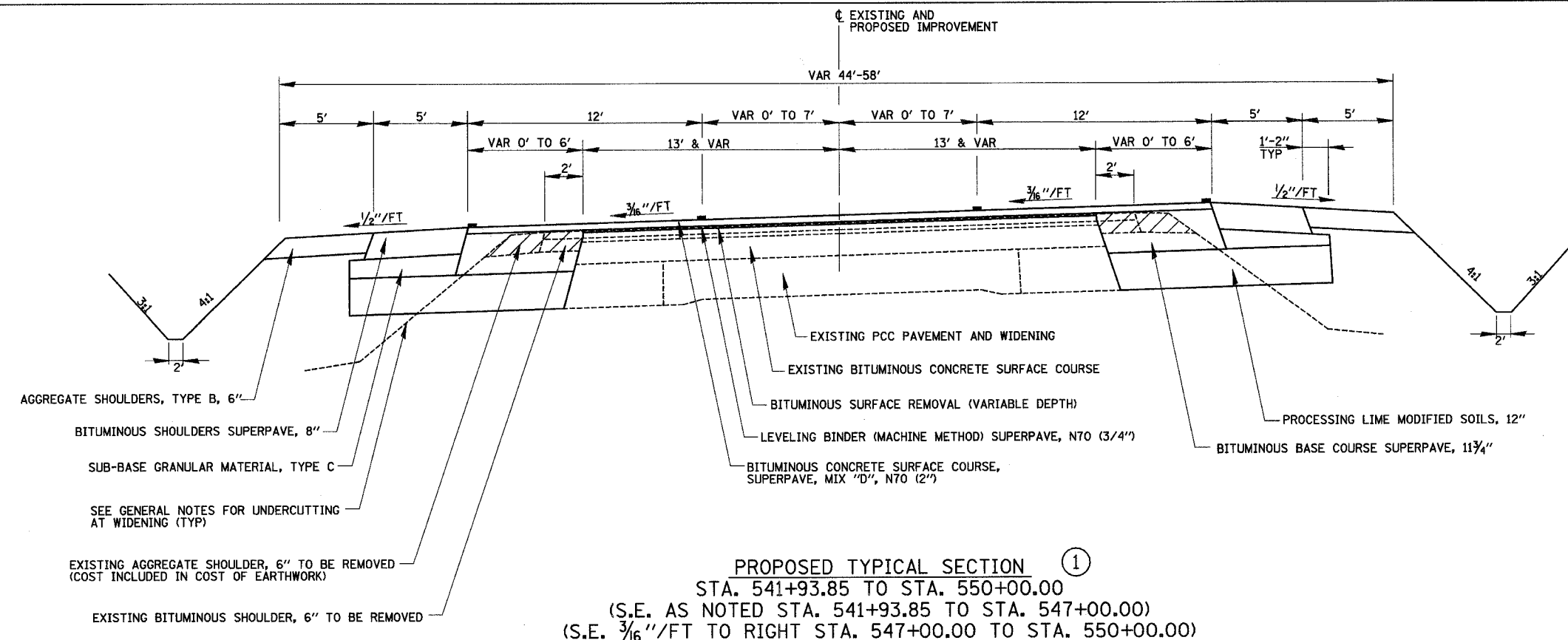
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES SHEET 2 OF 2

DATE 8/02

DRAWN BY ASB  
CHECKED BY SJK

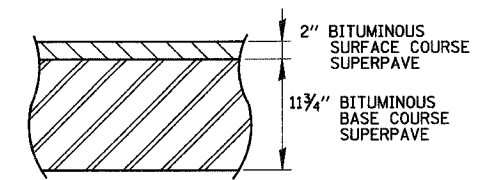
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	6
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



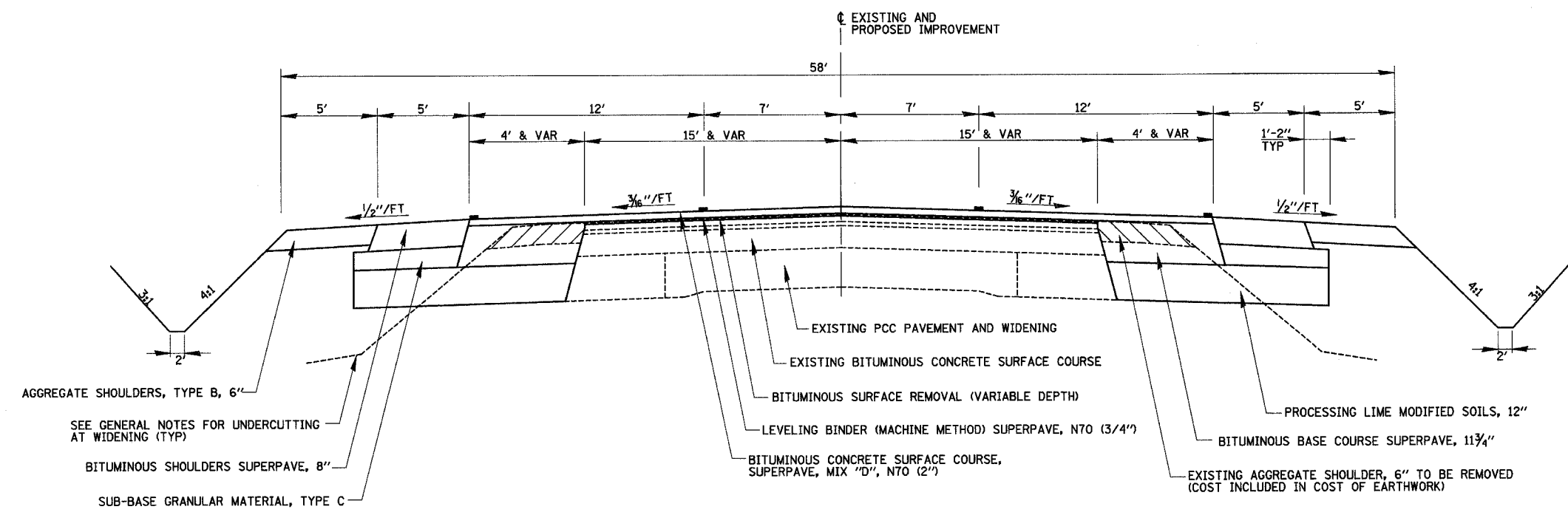
**PROPOSED TYPICAL SECTION ①**  
 STA. 541+93.85 TO STA. 550+00.00  
 (S.E. AS NOTED STA. 541+93.85 TO STA. 547+00.00)  
 (S.E. 3/16\"/>

**STRUCTURAL DESIGN INFORMATION**  
 STRUCTURAL DESIGN TRAFFIC: YEAR 2014 ADT = 17,870  
 PV = 92.9% SU = 3.0% MU = 4.1%  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 32% S = 45% M = 45%  
 MINIMUM SOIL SUPPORT: 1BR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 4.27



**DETAIL OF WIDENING WITH RESURFACING**  
 (TYPICAL ALL SECTIONS)

**SHEET NOTE:**  
 1. BASE COURSE WIDENING 6' OR LESS IS INCLUDED IN THE CONTRACT QUANTITIES FOR "BITUMINOUS BASE COURSE SUPERPAVE 11 3/4\"/>



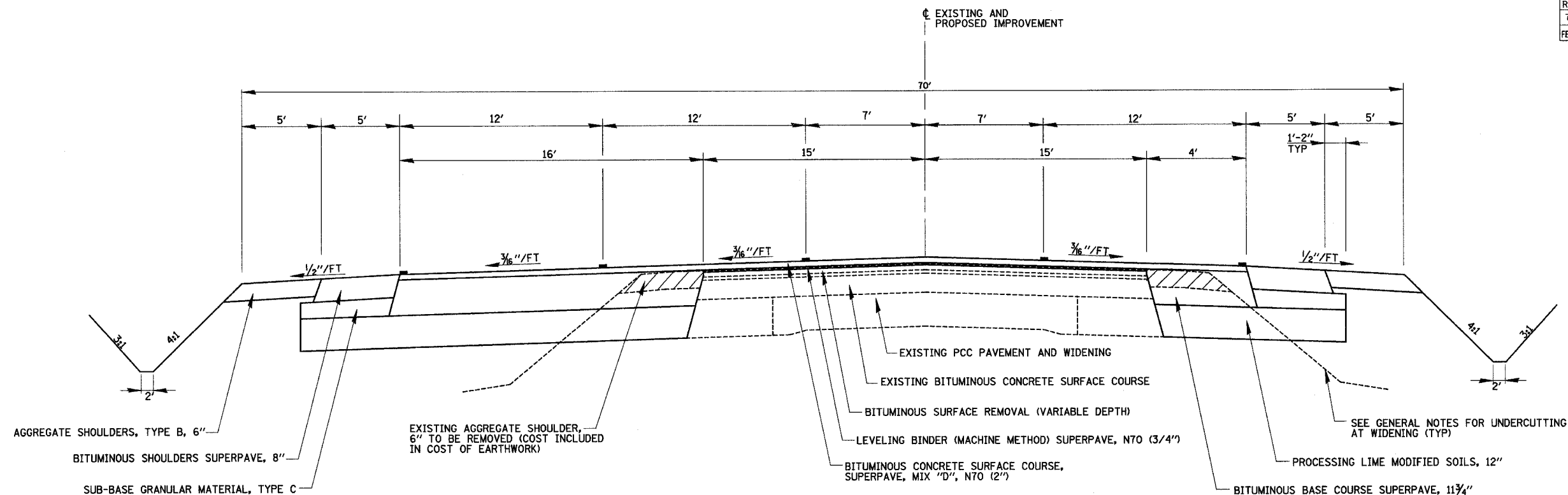
**PROPOSED TYPICAL SECTION ②**  
 STA. 550+00.00 TO STA. 551+74.79

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 SHEET 1 OF 5  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

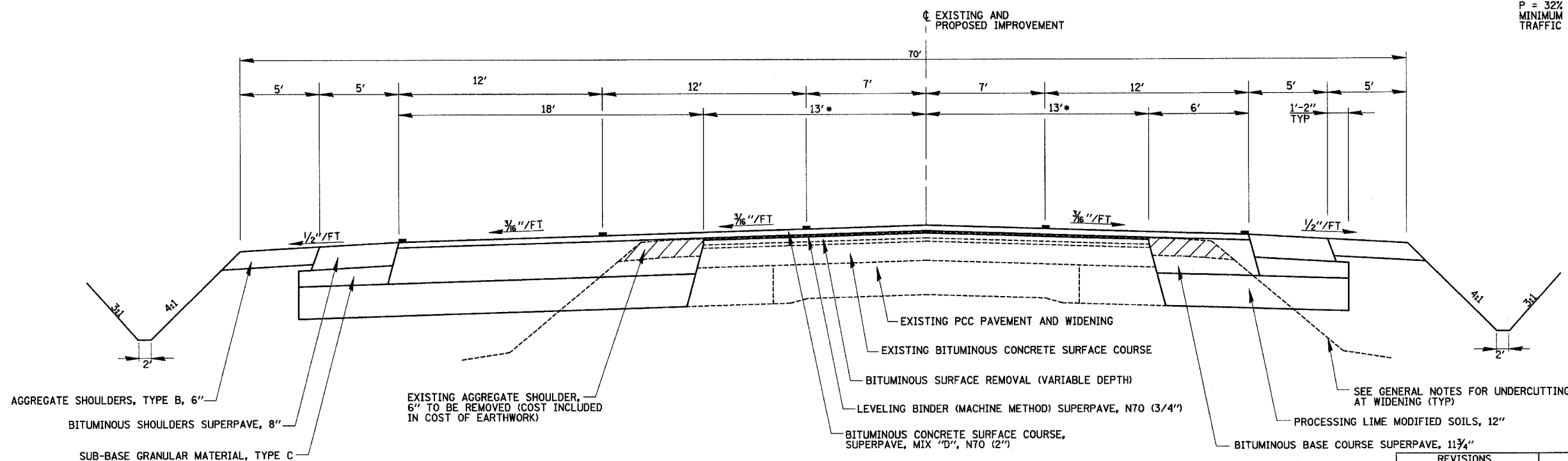


PROPOSED TYPICAL SECTION (3)  
STA. 551+74.79 TO STA. 886+00.00

STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2014 ADT = 17,870  
 PV = 92.9% SU = 3.0% MU = 4.1%  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 32% S = 45% M = 45%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR  $T_f$  = 4.27

- SHEET NOTE:  
 1. BASE COURSE WIDENING 6' OR LESS IS INCLUDED IN THE CONTRACT QUANTITIES FOR "BITUMINOUS BASE COURSE SUPERPAVE 11 3/4\"/>



\* EXISTING PAVEMENT WIDTH VARIES FROM STA. 892+00.00 TO STA. 896+43.01

PROPOSED TYPICAL SECTION (4)  
STA. 886+00.00 TO STA. 896+43.01

REVISIONS	
NAME	DATE

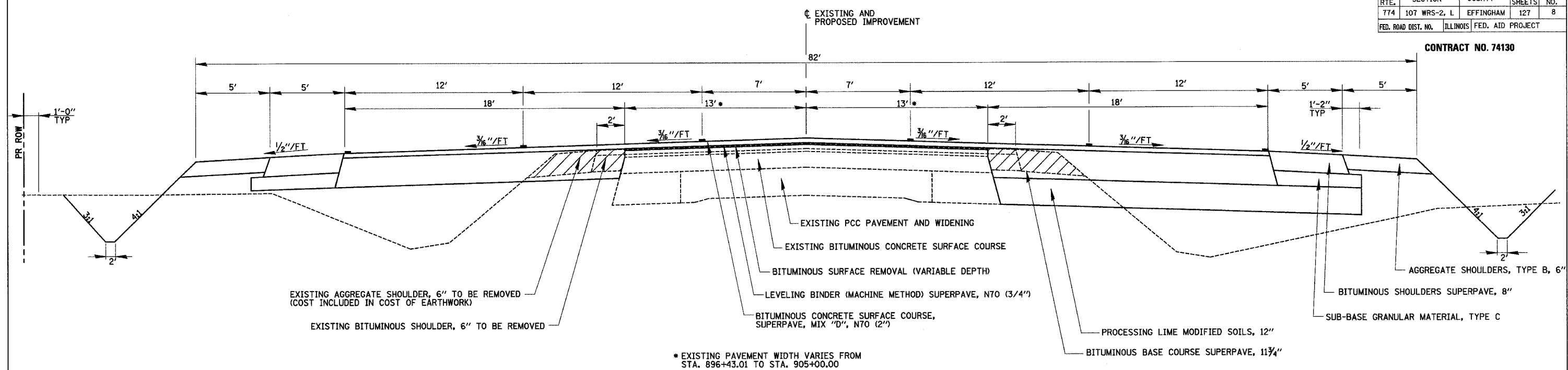
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
SHEET 2 OF 5

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

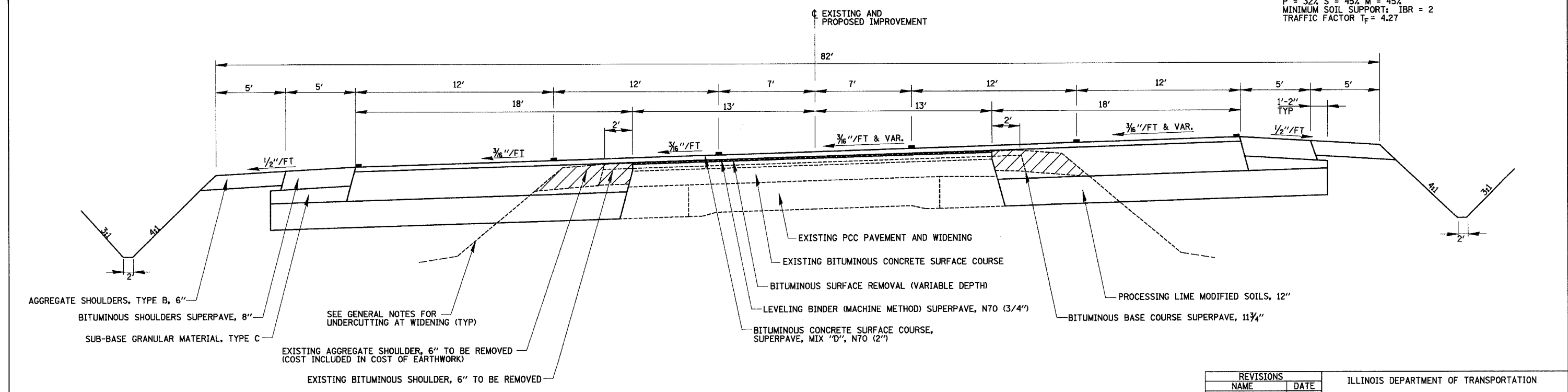
CONTRACT NO. 74130



**PROPOSED TYPICAL SECTION ⑤**  
 STA. 896+43.01 TO STA. 906+73.50  
 STA. 911+43.50 TO STA. 942+50.00

**STRUCTURAL DESIGN INFORMATION**

STRUCTURAL DESIGN TRAFFIC: YEAR 2014 ADT = 17,870  
 PV = 92.9% SU = 3.0% MU = 4.1%  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 32% S = 45% M = 45%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 4.27



**PROPOSED TYPICAL SECTION ⑥**  
 STA. 906+73.50 TO STA. 911+43.50

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

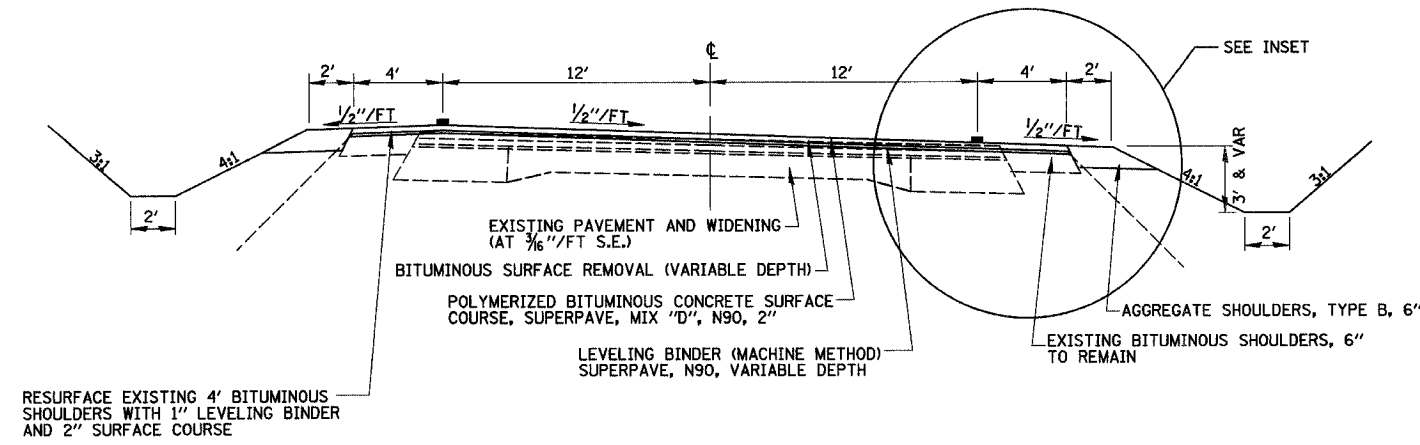
TYPICAL SECTIONS  
 SHEET 3 OF 5

DATE 8/02

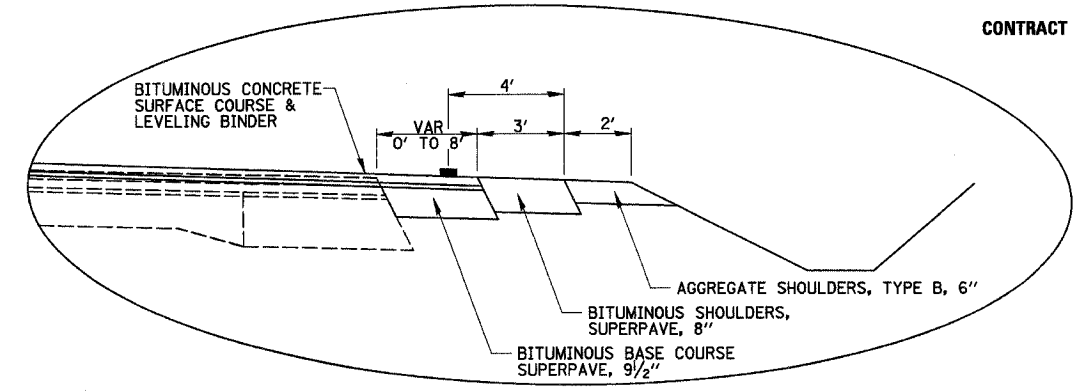
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 CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	9
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

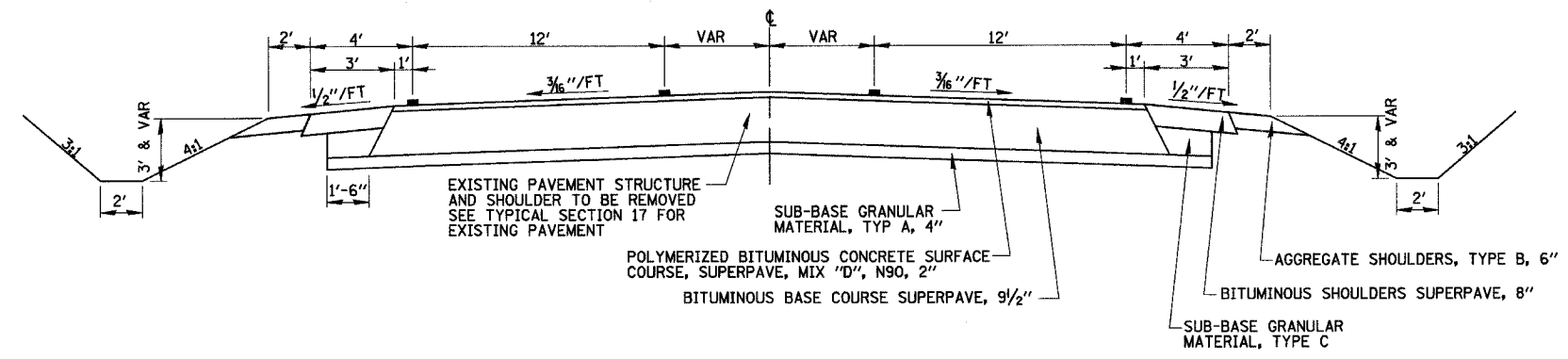
CONTRACT NO. 74130



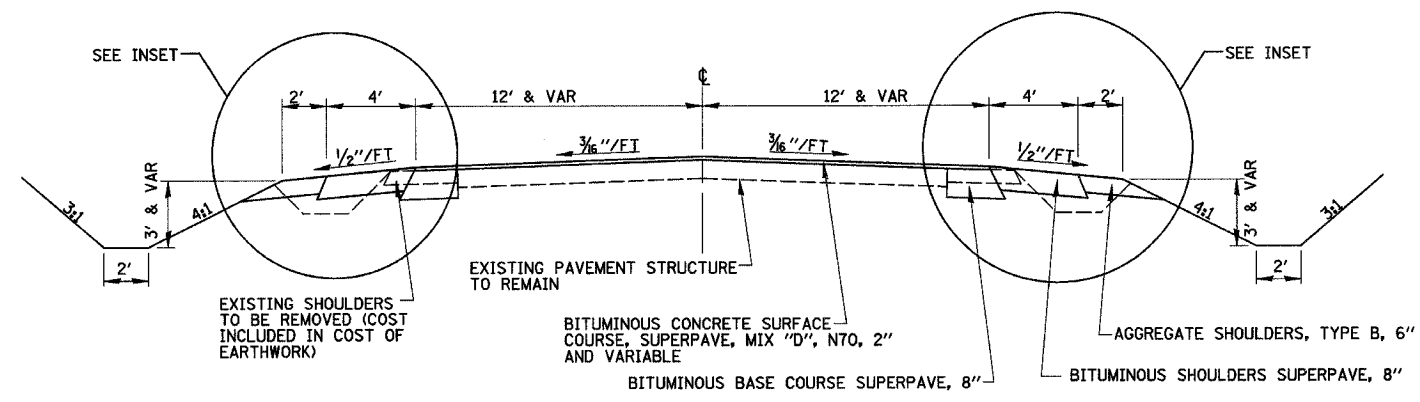
PROPOSED TYPICAL SECTION 17  
STA. 49+90.00 TO STA. 53+01.78 (IL RTE 32)



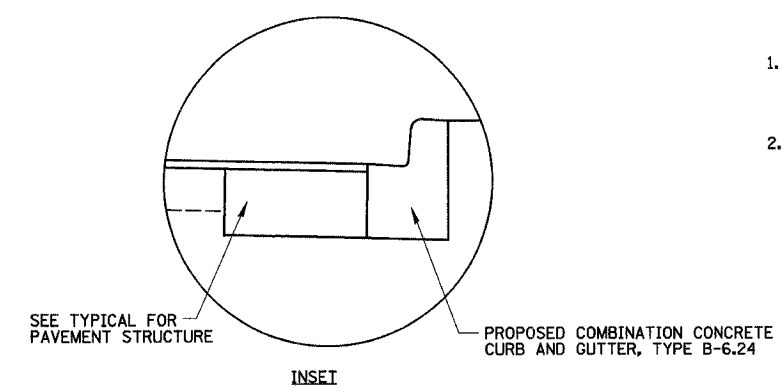
INSET  
RT STA. 51+67.70 TO STA. 53+01.78



PROPOSED TYPICAL SECTION 18  
STA. 53+01.78 TO STA. 55+83.37 (IL RTE 32)



PROPOSED TYPICAL SECTION 19  
STA. 60+00.00 TO STA. 63+80.70 (LAKE SARA RD)



INSET  
PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 IN LIEU OF SHOULDERS  
RT STA. 61+87.00 TO STA. 63+35.00 (LAKE SARA RD)

- SHEET NOTE:**
1. BASE COURSE WIDENING 6' OR LESS IS INCLUDED IN THE CONTRACT QUANTITIES FOR "BITUMINOUS BASE COURSE SUPERPAVE 8".
  2. TYPICAL SECTIONS NO. 7 THRU 16 NOT USED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

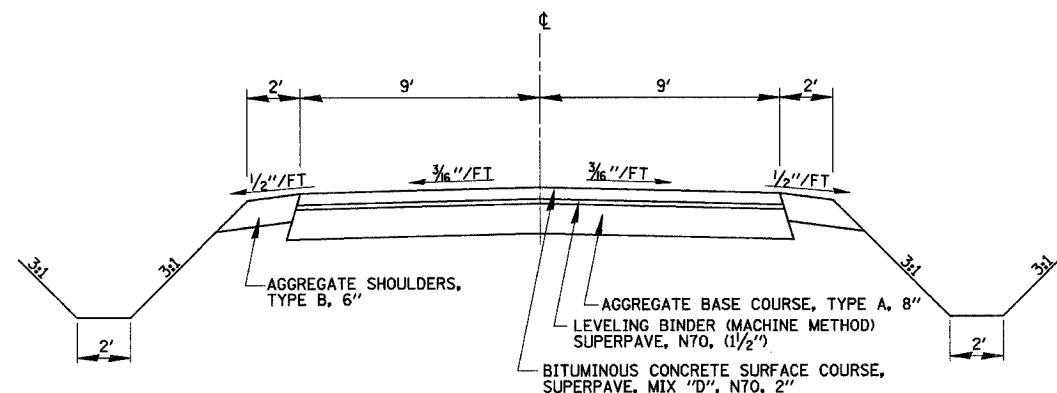
TYPICAL SECTIONS  
SHEET 4 OF 5

DATE 8/02

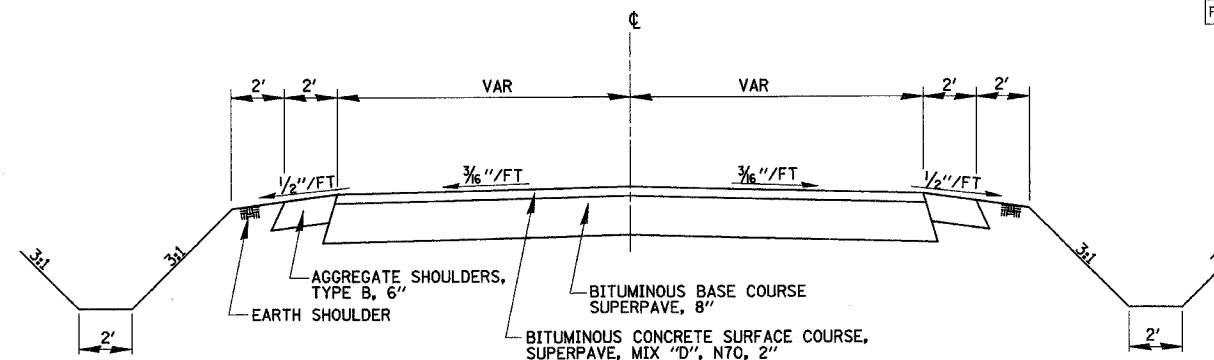
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CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	10
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 74130



**PROPOSED TYPICAL SECTION 20**  
 STA. 217+00.00 TO STA. 222+39.79 (RELOCATED 1700TH AVE)  
 STA. 66+16.05 TO STA. 67+60.00 (1000TH ST)



**TYPICAL PUBLIC ROAD RETURN SECTION 23**  
 STA. 222+39.79 TO STA. 222+88.74 (RELOCATED 1700TH AVE)  
 STA. 223+29.13 TO STA. 225+23.01 (BK) (RELOCATED 1700TH AVE)  
 STA. 228+98.27 TO STA. 229+85.27 (RELOCATED 1700TH AVE)  
 STA. 230+13.65 TO STA. 231+08.24 (RELOCATED 1700TH AVE)  
 STA. 65+32.09 TO STA. 66+16.05 (1000TH ST)  
 STA. 70+31.00 TO STA. 71+00.00 (STONERIDGE DR)  
 STA. 75+33.60 TO STA. 76+62.13 (1075TH ST)  
 STA. 0+08.01 TO STA. 0+63.42 (UNNAMED RD)

TYPICAL SECTION 21 NOT USED

TYPICAL SECTION 22 NOT USED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
SHEET 5 OF 5

DATE 8/02

DRAWN BY MLO  
CHECKED BY SJK



CONTRACT NO. 74130

TREE REMOVAL (6-15 UNITS)		
STATION	OFFSET	UNITS
548+75.75	43' LT	12
549+00.44	48' LT	9
549+30.36	44' LT	12
TOTAL		33

TREE REMOVAL (GREATER THAN 15 UNITS)		
STATION	OFFSET	UNITS
545+42.90	34' RT	18
551+15.21	80' LT	34
TOTAL		52

TRENCH BACKFILL			
ITEM	STATION	OFFSET	C.U. YD.
CULVERT	217+92.98	RT	4
CULVERT	218+36.44	RT	3
CULVERT	230+48.06	LT	12
CULVERT	896+43.01	LT	34
CULVERT	896+48.57	RT	101
CULVERT	913+90.65	LT	11
CULVERT	940+77.10	LT	21
CULVERT	61+70.00	-	51
TOTAL			237

PROCESSING MODIFIED SOILS, 12"					
STATION TO STATION	OFFSET	AREA (SQ. YD.)	LIME (TON)	WATER (UNIT)	
541+93.85	550+00.00	LT&RT	1874	47.3	15.0
550+00.00	551+74.79	LT&RT	276	7.0	2.2
551+74.79	886+00.00	LT&RT	2964	74.7	23.6
886+00.00	896+43.01	LT&RT	4080	102.9	32.6
896+43.01	906+73.50	LT&RT	5185	130.6	41.4
906+73.50	942+50.00	LT&RT	19210	484.0	153.6
TOTAL			33589	846.5	268.4

SUB-BASE GRANULAR MATERIAL, TYPE A, 4"			
LOCATION	STATION TO STATION	SQ. YD.	
IL. RTE. 32	53+01.78	55+83.37	1989
TOTAL		1989	

SUB-BASE GRANULAR MATERIAL, TYPE C			
LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	541+93.85	886+00.00	446
MAINLINE	886+00.00	942+50.00	1450
IL. RTE. 32	53+01.78	55+83.37	20
TOTAL			1916

AGGREGATE BASE COURSE, TYPE A, 8"			
LOCATION	STATION TO STATION	SQ. YD.	
1700TH AVE.	217+00.00	222+39.79	1080
1000TH ST.	66+16.05	67+60.00	288
TOTAL		1368	

BITUMINOUS MATERIALS (PRIME COAT)				
LOCATION	STATION TO STATION	OFFSET		GALLONS
BASE COURSE				
MAINLINE	541+93.85	942+50.00	LT&RT	11328
IL. RTE. 32	53+01.78	53+01.78	LT&RT	963
LAKE SARA	60+00.00	63+61.14	LT&RT	363
UNNAMED	+08.01	+63.42	LT&RT	45
1700TH ST.	222+39.79	231+08.24	LT&RT	546
1000TH ST.	65+32.09	66+16.05	LT&RT	265
STONERIDGE	70+31.00	71+00.00	LT&RT	137
1075TH ST.	75+33.60	76+62.13	LT&RT	195
LEVELING BINDER				
MAINLINE	541+93.85	942+50.00	LT&RT	2334
IL. RTE. 32	49+90.00	51+67.70	LT&RT	105
1700TH AVE.	217+00.00	222+39.79	LT&RT	172
1000TH ST.	66+16.05	67+60.00	LT&RT	29
SURFACE COURSE				
MAINLINE	541+93.85	942+50.00	LT&RT	4574
IL. RTE. 32	49+90.00	55+83.37	LT&RT	292
LAKE SARA	60+00.00	63+80.70	LT&RT	172
UNNAMED	+08.01	+63.42	LT&RT	9
1700TH AVE.	217+00.00	231+08.24	LT&RT	281
1000TH ST.	65+32.09	67+60.00	LT&RT	82
STONERIDGE	70+31.00	71+00.00	LT&RT	27
1075TH ST.	75+33.60	76+62.13	LT&RT	39
TOTAL				21958

AGGREGATE (PRIME COAT)				
LOCATION	STATION TO STATION	OFFSET		TONS
LEVELING BINDER				
MAINLINE	541+93.85	942+50.00	LT&RT	46.8
IL. RTE. 32	49+90.00	51+67.70	LT&RT	2.0
1700TH AVE.	217+00.00	222+39.79	LT&RT	2.2
1000TH ST.	66+16.05	67+60.00	LT&RT	0.6
SURFACE COURSE				
MAINLINE	541+93.85	942+50.00	LT&RT	64.8
IL. RTE. 32	49+90.00	55+83.37	LT&RT	5.7
LAKE SARA	60+00.00	63+80.70	LT&RT	3.4
UNNAMED	+08.01	+63.42	LT&RT	0.2
1700TH AVE.	217+00.00	231+08.24	LT&RT	5.7
1000TH ST.	65+32.09	67+60.00	LT&RT	1.7
STONERIDGE	70+31.00	71+00.00	LT&RT	0.5
1075TH ST.	75+33.60	76+62.13	LT&RT	0.8
TOTAL				134.4

BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)			
LOCATION	STATION TO STATION	OFFSET	SQ. YD.
MAINLINE	541+93.85	550+00.00	2329
MAINLINE	550+00.00	551+74.79	583
MAINLINE	551+74.79	559+19.18	2482
MAINLINE	884+96.78	886+00.00	344
MAINLINE	886+00.00	942+50.00	16322
IL. RTE. 32	50+30.00	53+01.78	1039
TOTAL			23099

PAVEMENT REMOVAL			
LOCATION	STATION TO STATION	SQ. YD.	
IL. RTE. 32	53+01.78	55+34.82	647
IL. RTE. 32	55+34.82	55+88.07	398
OLD IL. RTE. 32	552+00.00	877+50.00	607
OLD IL. RTE. 32	873+55.08	881+25.74	2055
STONERIDGE	70+15.33	70+80.42	295
TOTAL		4002	

DRIVEWAY PAVEMENT REMOVAL		
STATION	OFFSET	SQ. YD.
910+06.27	RT	147
913+87.84	RT	161
TOTAL		308

BITUMINOUS SHOULDER REMOVAL			
STATION TO STATION	OFFSET	SQ. YD.	
541+93.85	543+95.68	LT	45
541+93.85	542+84.91	RT	20
543+65.18	550+00.00	RT	141
544+41.46	550+00.00	LT	124
896+68.02	913+39.84	LT	372
897+12.46	909+71.69	RT	280
910+30.63	913+57.73	RT	73
914+26.65	942+50.00	RT	627
914+40.00	924+36.76	LT	222
924+88.83	940+47.68	LT	346
940+79.79	942+50.00	LT	38
TOTAL		2288	

AGGREGATE SHOULDERS, TYPE B, 6"			
STATION TO STATION	OFFSET	SQ. YD.	
541+93.85	544+59.77	LT	148
545+17.65	550+01.45	LT	269
541+93.85	544+16.32	RT	124
544+70.00	550+00.00	RT	294
550+00.00	551+74.79	RT	97
552+71.59	559+19.18	LT	360
884+96.78	886+00.00	LT	57
551+74.79	559+19.18	RT	414
884+96.78	886+00.00	RT	57
886+00.00	891+00.00	LT	278
891+45.00	895+49.11	LT	225
886+00.00	893+99.00	RT	444
894+60.00	895+88.00	RT	71
869+77.91	903+78.60	LT	389
904+30.00	906+73.50	LT	135
897+67.00	906+73.50	RT	504
906+73.50	911+43.50	LT	261
906+73.50	909+76.00	RT	168
910+35.00	911+43.50	RT	60
911+43.50	913+62.08	LT	121
914+18.99	924+44.29	LT	570
924+75.00	940+25.00	LT	861
940+85.00	942+50.00	LT	92
911+43.50	913+57.00	RT	119
914+19.00	942+50.00	RT	1573
49+90.00	49+97.00	LT	2
50+56.00	51+65.00	LT	24
52+25.00	53+01.78	LT	17
49+90.00	50+34.00	RT	10
50+65.00	51+10.00	RT	10
51+48.00	51+72.00	RT	5
52+40.00	53+01.78	RT	14
53+01.78	54+20.04	LT	26
54+20.04	55+83.37	LT	45
53+01.78	54+72.20	RT	38
54+72.20	55+83.37	RT	40
60+00.00	61+87.50	RT	42
60+00.00	60+75.00	LT	17
61+25.00	62+15.00	LT	20
62+73.48	63+80.70	LT	30
217+00.00	222+39.79	RT	120
217+00.00	218+00.00	LT	22
218+39.00	222+39.79	LT	89
222+39.78	222+88.74	LT	6
222+39.78	222+88.74	RT	11
223+29.13	223+81.83	LT	14
223+29.13	223+81.83	RT	6
223+81.83	225+23.01	LT	31
223+81.83	225+23.01	RT	31
228+98.27	229+48.63	LT	11
228+98.27	229+48.63	RT	11
229+48.63	229+85.27	LT	9
229+48.63	229+85.27	RT	8
230+13.65	230+48.40	LT	7
230+13.65	230+48.40	RT	8
230+48.40	231+08.24	LT	13
230+48.40	231+08.24	RT	13
65+32.09	66+16.05	LT	20
65+32.09	66+16.05	RT	21
66+16.05	67+60.00	LT	32
66+16.05	67+60.00	RT	32
TOTAL		8546	

BITUMINOUS SHOULDERS, SUPERPAVE, 8"			
STATION TO STATION	OFFSET		SQ. YD.
541+93.85	544+59.77	LT	148
545+17.65	550+01.45	LT	269
541+93.85	544+16.32	RT	124
544+70.00	550+00.00	RT	294
550+00.00	551+74.79	RT	97
552+71.59	559+19.18	LT	360
884+96.78	886+00.00	LT	57
551+74.79	559+19.18	RT	414
884+96.78	886+00.00	RT	57
886+00.00	891+00.00	LT	278
891+45.00	895+49.11	LT	225
886+00.00	893+99.00	RT	444
894+60.00	895+88.00	RT	71
896+77.91	903+78.60	LT	389
904+30.00	906+73.50	LT	135
897+67.00	906+73.50	RT	504
906+73.50	911+43.50	LT	261
906+73.50	909+76.00	RT	168
910+35.00	911+43.50	RT	60
911+43.50	913+62.08	LT	121
914+18.99	924+44.29	LT	570
924+75.00	940+25.00	LT	861
940+85.00	942+50.00	LT	92
911+43.50	913+57.00	RT	119
914+19.00	942+50.00	RT	1573
51+67.70	51+72.00	RT	1
52+40.00	53+01.78	RT	21
53+01.78	54+20.04	LT	39
54+20.04	55+83.37	LT	67
53+01.78	54+72.20	RT	57
54+72.20	55+83.37	RT	60
60+00.00	61+87.50	RT	83
60+00.00	60+75.00	LT	33
61+25.00	62+15.00	LT	40
62+73.48	63+80.70	LT	59
TOTAL			8151

REVISIONS	
NAME	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	12
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

REMOVE EXISTING CULVERTS			
LOCATION	STATION	OFFSET	EACH
MAINLINE	552+40.00	LT	1
MAINLINE	891+00.00	RT	1
MAINLINE	891+22.08	LT	1
MAINLINE	894+70.00	RT	1
MAINLINE	896+54.55	LT	1
MAINLINE	904+00.00	LT	1
MAINLINE	904+30.49	RT	1
MAINLINE	910+06.27	RT	1
MAINLINE	913+90.65	LT	1
MAINLINE	913+87.84	RT	1
MAINLINE	918+51.20	RT	1
MAINLINE	940+31.82	LT	1
MAINLINE	940+56.13	RT	2
MAINLINE	940+77.10	LT	1
1700TH AVE.	217+92.98	-	1
1700TH AVE.	218+36.44	-	1
1700TH AVE.	230+48.00	-	1
1700TH AVE.	230+90.56	RT	1
LAKE SARA RD.	60+98.00	LT	1
LAKE SARA RD.	62+50.00	LT	1
LAKE SARA RD.	65+60.00	RT	1
TOTAL			22

REMOVE RIGHT-OF-WAY MARKERS		
STATION	OFFSET	EACH
542+49.38	RT	1
895+69.01	LT	1
895+94.36	LT	1
895+98.63	LT	1
896+23.85	RT	1
897+18.46	RT	1
904+14.65	RT	1
904+64.71	LT	1
905+14.67	LT	1
TOTAL		9

BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70			
LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	541+93.85 942+50.00	LT&RT	5123
LAKE SARA	60+00.00 63+80.70	LT&RT	193
1700TH AVE.	217+00.00 222+39.79	LT&RT	121
1700TH AVE.	224+88.76 228+98.27	LT&RT	71
1000TH ST.	66+16.05 67+60.00	LT&RT	32
TOTAL			5540

(SEE RURAL ENTRANCE SCHEDULE FOR REMAINING QUANTITIES)

BITUMINOUS BASE COURSE, SUPERPAVE, 8"				
LOCATION	STATION TO STATION	OFFSET	SO. YD.	
LAKE SARA	60+00.00 61+92.49	RT	182	
LAKE SARA	61+92.49 62+66.06	RT	143	
LAKE SARA	62+66.06 63+80.70	RT	370	
LAKE SARA	62+73.13 63+61.14	LT	30	
TOTAL			725	

(SEE RURAL ENTRANCE SCHEDULE FOR REMAINING QUANTITIES)

POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90			
LOCATION	STATION TO STATION	OFFSET	TONS
IL. RTE. 32	49+90.00 55+83.37	LT&RT	325

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS		
STATION	OFFSET	EACH
539+45.17	263.10' RT	1
539+50.53	272.42' RT	1
540+39.16	219.96' RT	1
541+86.60	182.34' RT	1
542+50.00	40.00' LT	1
542+50.00	50.00' LT	1
544+14.54	106.00' RT	1
544+14.81	50.00' LT	1
556+64.94	70.00' LT	1
894+56.43	235.99' LT	1
895+00.00	70.00' LT	1
895+49.05	85.00' LT	1
896+20.43	155.02' LT	1
896+54.48	176.01' LT	1
897+15.96	75.00' LT	1
897+77.00	100.00' RT	1
898+57.19	336.04' RT	1
898+62.07	333.16' RT	1
899+00.00	75.00' LT	1
900+00.00	95.00' LT	1
900+25.00	100.00' RT	1
902+00.00	95.00' LT	1
902+50.00	75.00' RT	1
903+50.00	75.00' LT	1
906+73.50	75.00' LT	1
906+73.50	75.00' RT	1
911+43.50	75.00' LT	1
911+43.50	75.00' RT	1
913+60.59	75.00' LT	1
914+20.59	75.00' LT	1
916+00.00	75.00' LT	1
924+00.00	60.00' LT	1
933+00.00	75.00' LT	1
937+00.00	75.00' LT	1
940+01.41	85.00' LT	1
TOTAL		35

BITUMINOUS BASE COURSE, SUPERPAVE, 9 1/2"				
LOCATION	STATION TO STATION	OFFSET	SO. YD.	
IL. RTE. 32	53+01.78 55+83.37	LT&RT	1866	
	51+67.70 53+01.78	RT	60	
ISLAND	551+60.76 551+70.27	LT	3	
TOTAL			1929	

LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70			
LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	541+93.85 942+50.00	LT&RT	980
1700TH AVE.	217+00.00 228+98.27	LT&RT	127
1000TH ST.	66+16.05 67+60.00	LT&RT	24
TOTAL			1131

BITUMINOUS BASE COURSE, SUPERPAVE, 11 3/4"			
STATION TO STATION	OFFSET	SO. YD.	
541+93.85 545+54.95	LT&RT	200	
545+54.95 550+00.00	LT&RT	594	
550+00.00 551+74.79	LT&RT	156	
551+74.79 559+19.18	LT	1166	
551+74.79 559+19.18	RT	331	
884+96.78 886+00.00	LT&RT	230	
886+00.00 896+43.01	LT&RT	2437	
896+43.01 906+73.50	LT	1680	
896+43.01 906+73.50	RT	1544	
906+73.50 911+43.50	LT&RT	1880	
911+43.50 942+50.00	LT&RT	12426	
TOTAL		22644	

LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N90			
LOCATION	STATION TO STATION	OFFSET	TONS
IL. RTE. 32	49+90.00 53+01.78	LT&RT	179

RELOCATE EXISTING MAILBOX			
LOCATION	STATION	OFFSET	EACH
MAINLINE	910+33.72	RT	1
MAINLINE	914+06.23	RT	1
IL RTE 32	50+18.59	LT	1
LAKE SARA	62+26.08	LT	1
TOTAL			4

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES SHEET 2 OF 2

DATE 03/03

DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	13
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

EARTHWORK STAGE I

OFFSET	LOCATION	STATION TO	STATION	EARTH EXCAVATION (CUT) CU YD	*EXCAVATION ADJUSTED FOR SHRINKAGE CU YD	EMBANKMENT (FILL) CU YD	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) CU YD
RT	MAIN LINE	541+93.85	942+50.00	9,380	7,035	4,506	2,529
LT & RT	1700th AVE	216+50.00	231+30.00	775	581	1,282	-701
LT & RT	IL RTE 32	49+65.00	55+00.00	995	746	437	309
LT & RT	LAKE SARA RD	59+75.00	63+80.00	485	364	886	-522
STAGE I TOTAL				11,635	8,726	7,111	1,615
EARTHWORK STAGE II							
				CU YD	CU YD	CU YD	CU YD
LT	MAIN LINE	541+93.85	942+50.00	13,260	9,945	4,712	5,233
LT & RT	1000th ST	65+30.00	67+85.00	175	131	1	130
LT & RT	STONERIDGE DR	76+64.62	71+25.00	40	30	1	29
LT & RT	1075th ST	76+00.00	76+80.00	55	41	3	38
STAGE II TOTAL				13,530	10,147	4,717	5,430
GRAND TOTAL				25,165	18,873	11,828	7,045

\*EARTH EXCAVATION MULTIPLIED BY SHRINKAGE FACTOR (1 - 0.25 = 0.75)

SEEDING

STATION TO	STATION	OFFSET	SEEDING CLASS 2A ACRE	SEEDING CLASS 4A ACRE	SEEDING CLASS 5 ACRE	NITROGEN FERTILIZER POUND	PHOSPHOROUS FERTILIZER POUND	POTASSIUM FERTILIZER POUND	AGRICULTURAL GROUND LIMESTONE TON	MULCH METHOD 2 TON	TEMPORARY EROSION CONTROL SEEDING POUND
541+93.82	942+50.00	LT&RT	7.0	3.0	3.0	900	900	900	20.0	20.0	1,000

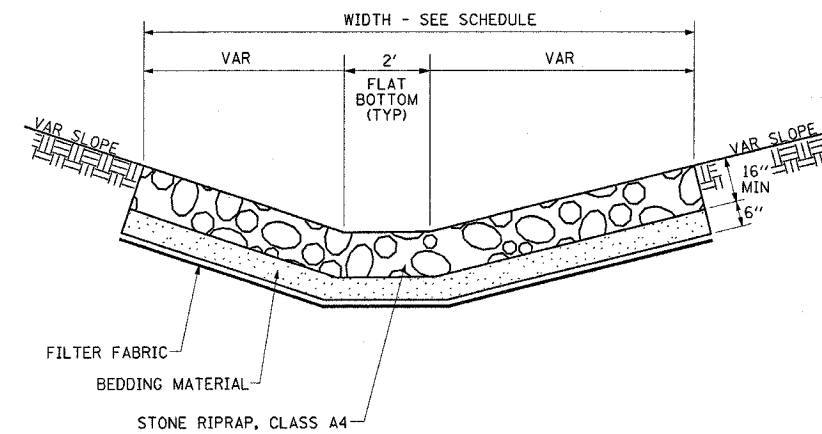
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		EARTHWORK AND SEEDING SCHEDULE

DATE 8/02  
DRAWN BY MLO  
CHECKED BY TGC

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	14
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

DITCH SCHEDULE						
STATION TO STATION	OFFSET	LENGTH	WIDTH	EROSION CONTROL BLANKET	STONE RIPRAP CLASS A4	FILTER FABRIC
				SQ YD	SQ YD	SQ YD
545+37.00 - 545+48.00	RT	11	10	12	-	-
545+48.00 - 546+00.00	RT	52	9	-	52	52
900+00.00 - 900+50.00	RT	50	9	-	50	50
900+50.00 - 902+00.00	RT	150	9	150	-	-
899+00.00 - 900+98.00	LT	198	9	-	198	198
901+10.00 - 903+00.00	LT	190	9	-	190	190
TOTALS				162	490	490



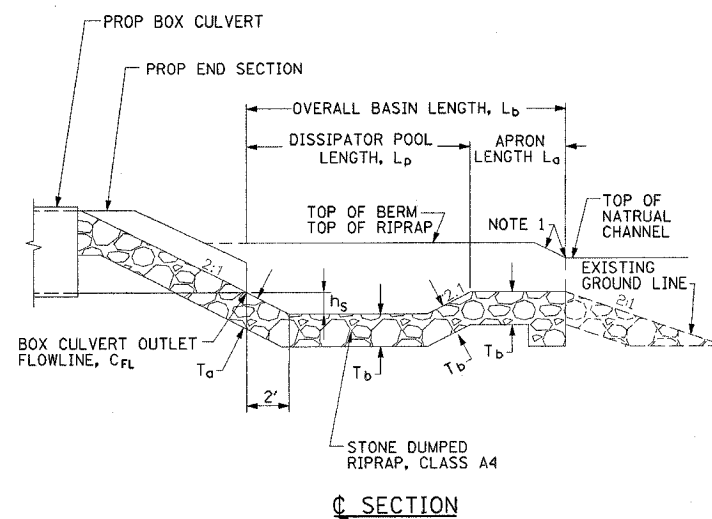
DETAIL OF STONE RIPRAP, CLASS A4

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		DITCH RIPRAP SCHEDULE AND DETAILS

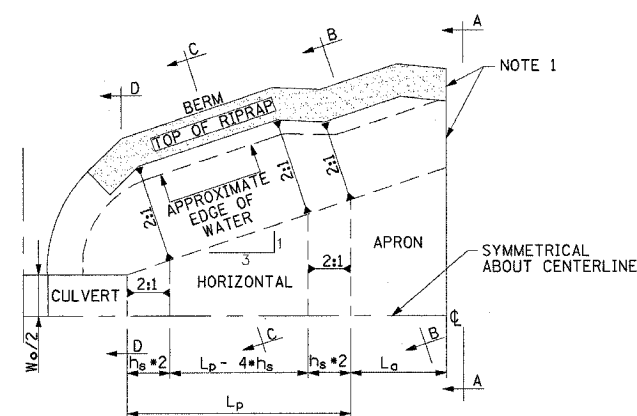
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DATE 8/02

CONTRACT NO. 74130

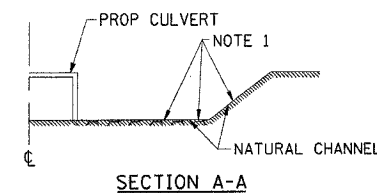


C SECTION

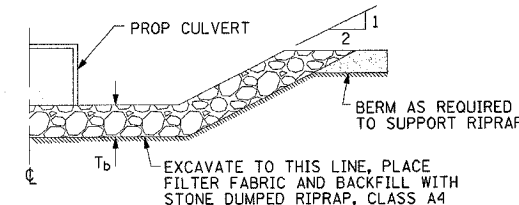


HALF PLAN

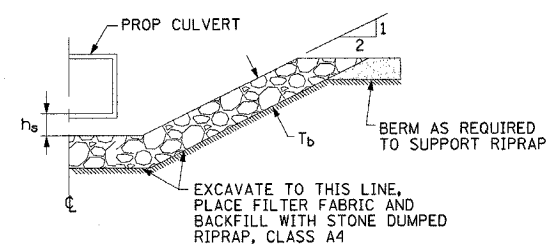
NOTE: WARP BASIN TO CONFORM TO NATURAL STREAM CHANNEL. TOP OF RIPRAP IN FLOOR OF BASIN SHOULD BE AT THE SAME ELEVATION OR LOWER THAN NATURAL CHANNEL BOTTOM AT SECTION A-A.



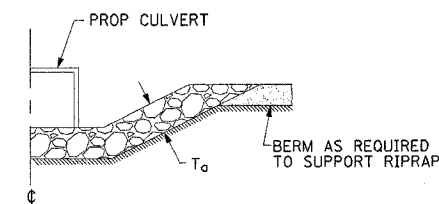
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

RIPRAP STILLING BASIN SCHEDULE												
STATION	OFFSET	BARREL WIDTH OF BOX CULVERT	BOX CULVERT OUTLET FLOWLINE	DISSIPATOR POOL LENGTH	APRON LENGTH	OVERALL BASIN LENGTH	DEPTH OF BASIN BELOW THE CULVERT FLOWLINE	THICKNESS OF APPROACH	TYPICAL THICKNESS OF BASIN	STONE RIPRAP CLASS A4	FILTER FABRIC	EARTH EXCAVATION FOR EROSION CONTROL
		$W_o$	$C_{FL}$	$L_p$	$L_a$	$L_b$	$h_s$	$T_a$	$T_b$	(SO YD)	(SO YD)	(CU YD)
		(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)			
901+00.49	LT	7.5	592.50	22.5	7.5	30	1.10	1.5	1.0	112	112	68

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RIPRAP STILLING BASIN SCHEDULE AND DETAILS

DRAWN BY MLO  
CHECKED BY TGC

DATE 8/02

CONTRACT NO. 74130

ENTRANCE CULVERT SCHEDULE

PROPOSED MATERIAL	TYPE	SIDE/STATION	EXISTING CULVERT SIZE	PIPE CULVERT, CLASS D					END SECTIONS				PRC FLARED END SECTIONS	
				TYPE I					15"	18"	21"	24"		
				24"	15"	18"	21"	24"						
FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	24"				
AGG	FE	RT/ 891+01.17	15"Ø		30						2			
AGG	CE	LT/ 891+22.08	15"Ø				41					2		
CONC	CE	RT/ 894+30.00	18"Ø			68					2			
AGG	CE	LT/ 904+04.27	15"Ø			56					2			
AGG	FE	RT/ 904+30.49	15"Ø					36				2		
EARTH	FE	LT/ 907+25.00	N/A			30					2			
AGG	CE	RT/ 910+06.27	15"Ø			51					2			
AGG	CE	RT/ 913+87.84	15"Ø			57					2			
EARTH	FE	RT/ 918+51.20	15"Ø			39					2			
EARTH	FE	RT/ 926+50.00	N/A						30			2		
EARTH	FE	LT/ 932+90.00	N/A			37					2			
EARTH	FE	RT/ 934+20.00	N/A						33			2		
EARTH	FE	RT/ 941+00.00	N/A						40			2		
CONC	PE	LT/ 50+35.00 IL RTE 32	N/A		50						2			
AGG	PE	RT/ 230+90.56 1700TH AVE	12"Ø		30						2			
AGG	FE	RT/ 66+35.00 1000TH ST	N/A		30						2			
AGG	CE	LT/ 60+98.00 LAKE SARA RD	24"Ø	95										1
TOTAL				95	140	338	77	103	8	14	4	6		1

PUBLIC ROAD CULVERT SCHEDULE

PUBLIC ROAD/SIDE/STATION	EXISTING CULVERT SIZE	PIPE CULVERT, CLASS A, TYPE I	TY 1, RC ELLIPT EQ RND	PIPE CULVERT, CLASS D, TYPE I				PRC FLARED END SECTIONS		END SECTIONS				
				15"	18"	18" EQUIV ROUND	30"	27" ELLIPT EQ RND	36"	15"	18"	18" EQUIV ROUND	30"	
														FT
1700TH AVE RT/217+92.98	15"Ø			30							2			
1700TH AVE RT/218+36.44	18"Ø					30							2	
1700TH AVE LT/230+48.06	12"Ø			48							2			
1000TH ST LT/896+43.01	20"X32" ELLIPT.		105						2					
LAKE SARA RD RT/896+48.57	30"X45" ELLIPT.	128							2					
STONERIDGE DR LT/913+90.65	24"Ø						47							2
1075TH ST LT/940+77.10	15"Ø					65							2	
TOTAL		128	105	78	65	30	47	2	2	4	2	2	2	2

\*DGN-SPEC\*  
\*DATE\*

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

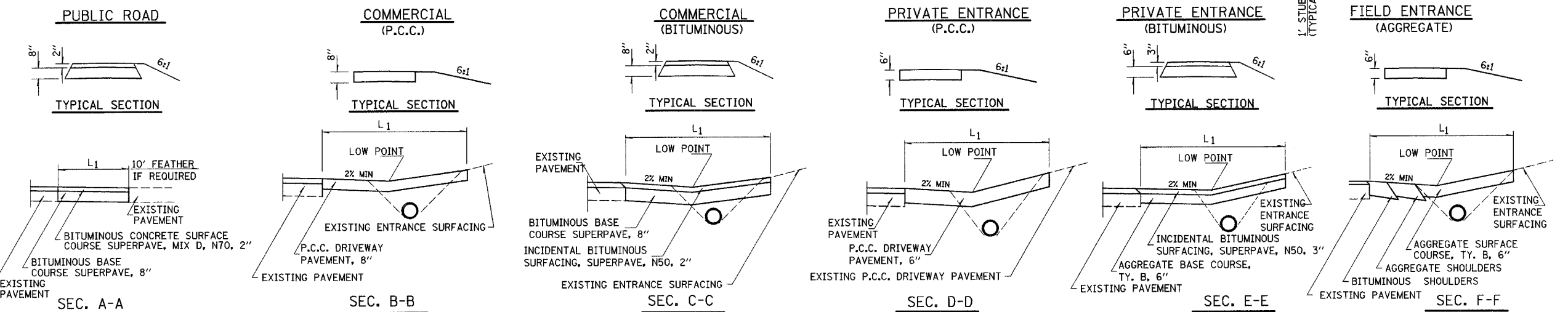
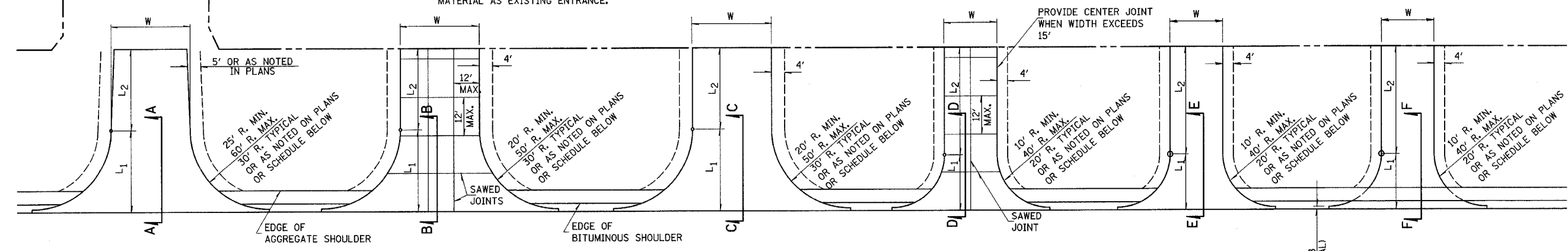
ENTRANCE PIPE CULVERT SCHEDULES

DATE 8/02  
DRAWN BY MLO  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	17
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 74130

L<sub>1</sub> = DISTANCE FROM EDGE OF PAVEMENT TO RADIUS POINT OR MAX. DISTANCE 30'  
L<sub>2</sub> = DISTANCE FROM RADIUS POINT OR MAX. DISTANCE 30' OFF EDGE OF PAVEMENT TO R.O.W. LINE.  
NOTE: MATERIAL USED TO CONSTRUCT L<sub>2</sub> LENGTH SHALL BE OF THE SAME TYPE OF MATERIAL AS EXISTING ENTRANCE.



ENTRANCE SCHEDULE

EXIST SURFACE	TYPE	SIDE/STATION	WIDTH	LENGTH		RADI	AGGREGATE BASE COURSE TYPE B TON	BITUMINOUS BASE COURSE SUPERPAVE, 8" SQ. YD.	AGGREGATE SURFACE COURSE TYPE B TON	INCID. BIT. SURFACING, SUPERPAVE, N50 TON	P.C.C. DRIVEWAY PAVT		BIT. CONCRETE SURFACE COURSE SUPERPAVE, MIX D, N70 TON	TEMPORARY ACCESS (PE) EACH	TEMPORARY ACCESS (CE) EACH
				L <sub>1</sub>	L <sub>2</sub>						6"	8"			
EARTH	FE	RT/891+01.17	12'	20'	8'	20'		5						1	
AGG	PE	LT/891+22.08	24'	30'	8'	30'	42	7	21					1	
CONC	CE	RT/894+30.00	35'	30'	56'	30'						377			1
CONC	CE	LT/904+04.27	24'	30'	13'	30'						158			1
EARTH	FE	RT/904+30.49	12'	20'	23'	20'		5						1	
EARTH	FE	LT/907+25.00	12'	20'	23'	20'		5						1	
AGG	CE	RT/910+06.27	35'	30'	13'	30'		17	18						1
AGG	CE	RT/913+87.84	35'	30'	13'	30'		17	18						1
EARTH	FE	RT/918+51.20	18	20'	18'	20'		7						1	
AGG	PE	LT/924+80.00	13'	20'	11'	20'	24	1	12					1	
EARTH	FE	RT/926+50.00	12'	20'	23'	20'		5						1	
EARTH	FE	LT/932+90.00	12'	20'	23'	20'		5						1	
EARTH	FE	RT/934+20.00	12'	20'	23'	20'		5						1	
EARTH	FE	RT/941+00.00	20'	20'	23'	20'		7						1	
BIT	MB	LT/50+16.00	③				4			2					
CONC	PE	LT/50+35.00	24'	20'	7'	20'					91			1	
AGG	PE	RT/50+49.52	24'	15'	-	15'	18			9				1	
AGG	PE	RT/51+28.05	24'	15'	-	15'	18			9				1	
AGG	CE	LT/60+98.00	31'	25'	-	25'		112		13					1
BIT	MB	LT/62+26.08	③				4			2					
CONC	CE	LT/62+50.19	35'	20'	5'	20'						117			1
AGG	FE	RT/66+35.00	16'	20'	36'	20'		78						1	
AGG	PE	RT/230+90.56	15'	10'	2.5'	10'	9	1	4					1	

PUBLIC ROAD SCHEDULE

EXIST SURFACE	SIDE/STATION	WIDTH	LENGTH		RADI	AGGREGATE BASE COURSE TYPE B TON	BITUMINOUS BASE COURSE SUPERPAVE, 8" SQ. YD.	BIT. CONCRETE SURFACE COURSE SUPERPAVE, MIX D, N70 TON	TEMPORARY ACCESS (ROAD) EACH
			L <sub>1</sub>	L <sub>2</sub>					
O&C	1700TH AVE RT/544+65.39	-	-	-	-		152	17	1
O&C	1700TH AVE LT/544+65.39	-	-	-	-		435	48	1
BIT	IL RTE 32 LT/551+74.79	②	-	-	-				1
O&C	1000TH ST LT/896+43.01	-	-	-	-		529	59	1
BIT	LAKE SARA RD RT/896+48.57	①	-	-	-				1
O&C	STONERIDGE DR LT/913+90.65	-	-	-	-		273	31	1
O&C	1075TH ST LT/940+77.10	-	-	-	-		389	44	1
AGG	UNNAMED RD LT/218+22.91	-	-	-	-		90	10	1
O&C	1700TH AVE LT/52+00.09	-	-	-	-		249	28	1
O&C	1700TH AVE RT/52+00.09	-	-	-	-		253	28	1

PUBLIC ACCESS	STATION RANGE
IL RTE 32	49+90.00 - 56+03.00
RELOCATED 1700TH AVE	217+00.00 - 231+08.24
LAKE SARA RD	60+00.00 - 64+00.00
1000TH ST	65+00.00 - 70+21.01
STONERIDGE DR	70+00.00 - 71+00.00
1075TH ST	75+00.00 - 76+62.13

- ① AT LAKE SARA RD AND NAZARENE RD: RETURN NOT REBUILT. EXISTING ROAD WIDENED. SEE "SCHEDULE OF QUANTITIES"
- ② AT IL RTE 32: SEE "SCHEDULE OF QUANTITIES" FOR RADIUS RETURN QUANTITY.
- ③ SEE STANDARD 406201 FOR DETAILS. SEE SECTION E-E FOR SIMILAR SECTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RURAL ENTRANCE DETAILS & SCHEDULES

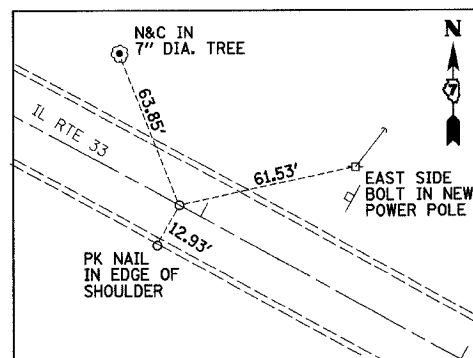
DRAWN BY DIST 7  
CHECKED BY BWC

DATE 8/02

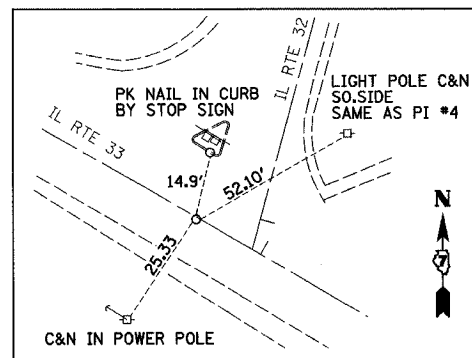
•DGN-SPEC\*  
•DATE\*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	18
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

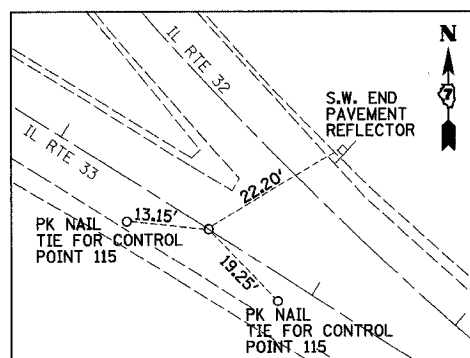
CONTRACT NO. 74130



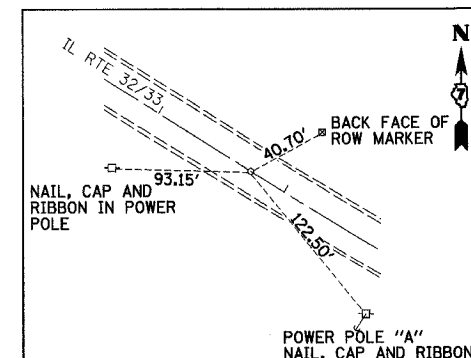
PC OF PROP. C-1 STA. 546+91.90  
(MAG NAIL)



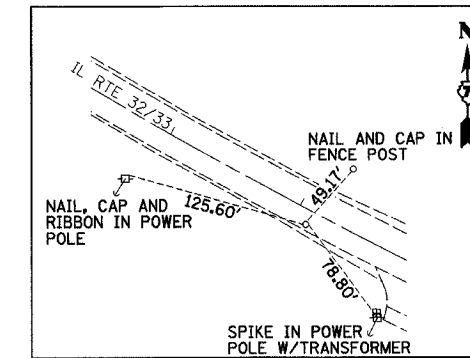
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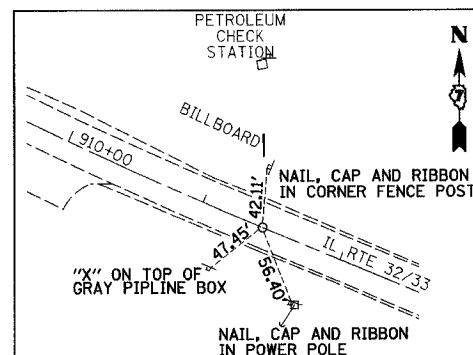
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(MAG NAIL)



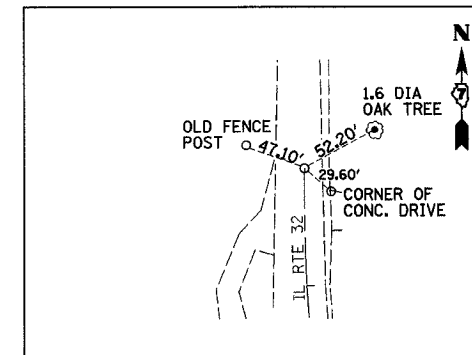
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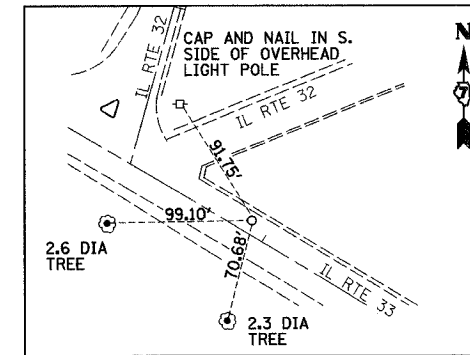
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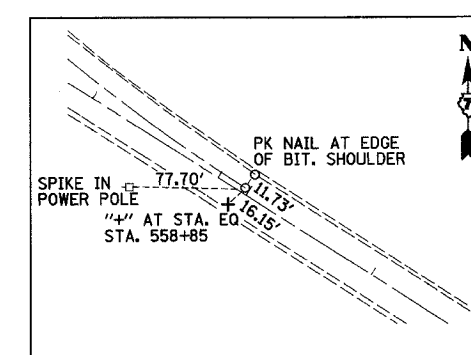
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(MAG NAIL)



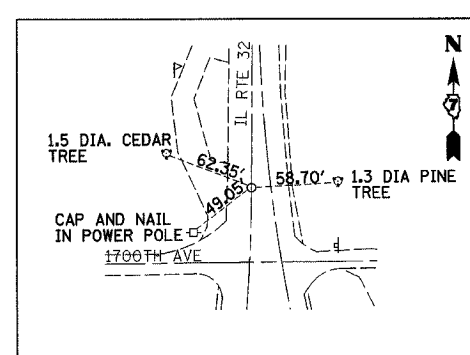
PC OF EXIST. C-4 STA. 872+20.78  
(MAG NAIL)



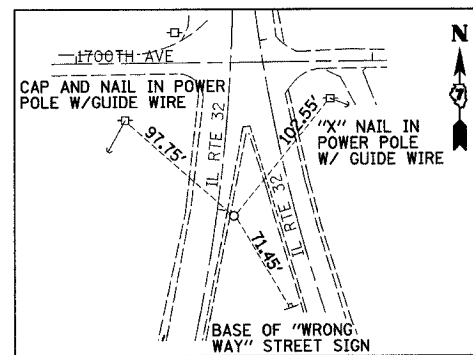
PI OF EXIST. C-4 STA. 878+53.19  
(MAG NAIL)



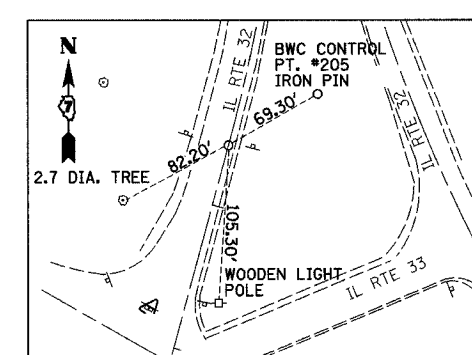
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(MAG NAIL)



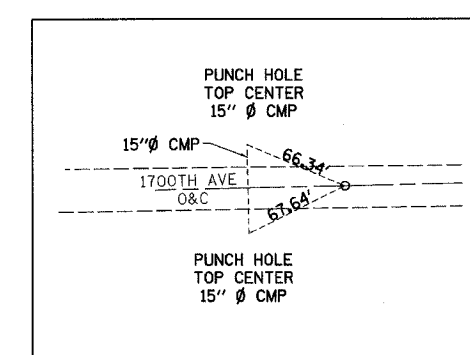
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(MAG NAIL)



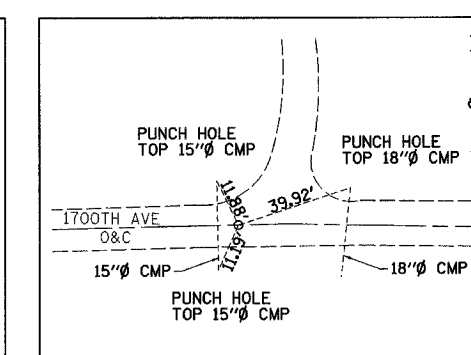
PI OF EXIST. C-5 STA. 53+04.92



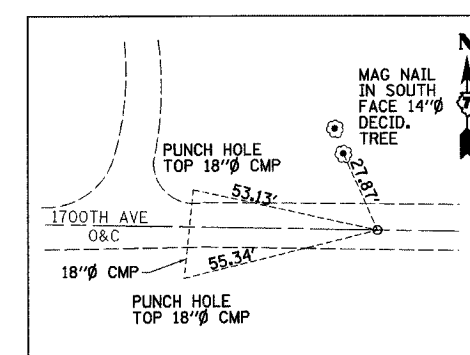
PT OF EXIST. C-5 STA. 54+58.16  
(MAG NAIL)



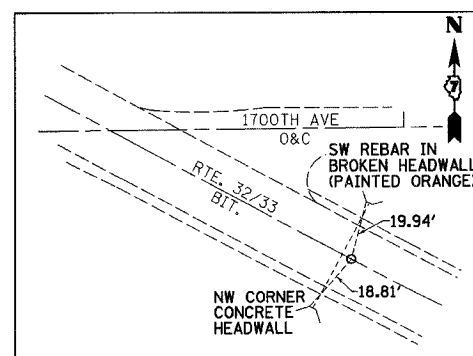
P.O.T. (SOUTH) (RELOCATED 1700TH AVENUE)  
STA. 217+00.00  
(MAG NAIL & FLAGGING)



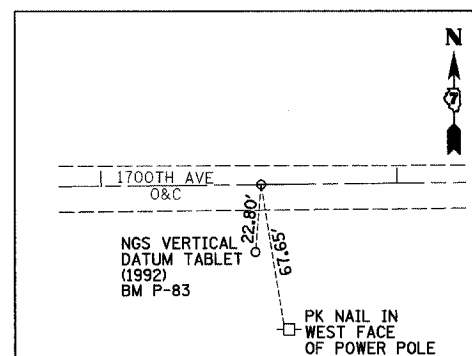
PC PROP. CURVE C71 (RELOCATED 1700TH AVENUE)  
STA. 217+99.31  
(MAG NAIL & FLAGGING)



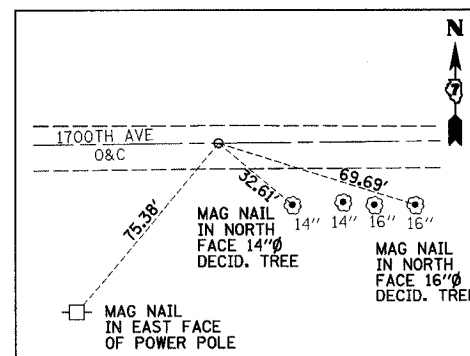
PI PROP. CURVE C71 (RELOCATED 1700TH AVENUE)  
STA. 218+88.66  
(MAG NAIL & FLAGGING)



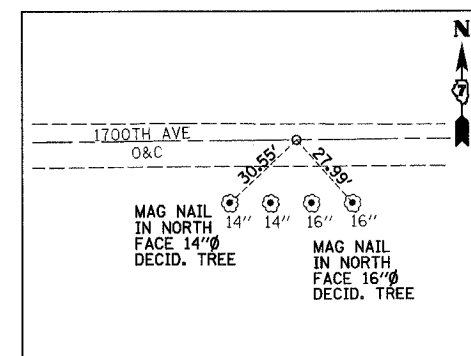
PRC PROP. CURVE C72 & PROP. CURVE C75  
RELOCATED 1700TH AVENUE STA. 223+07.85 =  
ROUTE 32/33 STA. 544+65.39  
(MAG NAIL & FLAGGING)



PI PROP. CURVE C75 (RELOCATED 1700TH AVENUE)  
STA. 223+92.58  
(MAG NAIL & FLAGGING)



PT PROP. CURVE C75 (RELOCATED 1700TH AVENUE)  
STA. 224+73.01  
(MAG NAIL & FLAGGING)



P.O.T. (NORTH) (RELOCATED 1700TH AVENUE)  
STA. 225+23.01 BK = STA. 224+88.76 AH  
(MAG NAIL & FLAGGING)

- BM #4  
39' RT, STA. 914+26, ELEV. 611.19  
RR SPIKE IN POWER POLE
- BM #P-83  
55' LT, STA. 545+22, ELEV. 611.78  
PERMANENT SURVEY MARKER
- BM #50  
37' RT, STA. 558+53, ELEV. 615.45  
RR SPIKE IN POWER POLE
- BM #51  
98' RT, STA. 896+20, ELEV. 604.03  
CHISELED "C" AT CORNER OF CONCRETE  
PARKING LOT NEAR AMOCO GAS STATION SIGN
- BM #52  
39' RT, STA. 924+19, ELEV. 611.84  
RR SPIKE IN POWER POLE
- BM #5  
38' RT, STA. 933+96, ELEV. 610.82  
RR SPIKE IN POWER POLE
- BM #53  
25' RT, STA. 940+57, ELEV. 608.01  
CHISELED "C" SOUTHEAST CORNER  
CONCRETE HEADWALL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTROL TIES  
AND BENCHMARKS

DRAWN BY NJV  
CHECKED BY TLS

DATE 5/2/02



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	19
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

PROP. CURVE TR116A PI STA. = 66+50.52 Δ = 33° 30' 40" (LT) D = 23° 00' 01" R = 249.11' T = 75.00' L = 145.70' E = 11.05' e = N/C P.C. STA. = 65+75.52 P.T. STA. = 67+21.22	PROP. CURVE TR116B PI STA. = 68+94.08 Δ = 17° 57' 11" (RT) D = 23° 00' 01" R = 249.11' T = 39.35' L = 78.06' E = 3.09' e = N/C P.C. STA. = 68+54.73 P.T. STA. = 69+32.78
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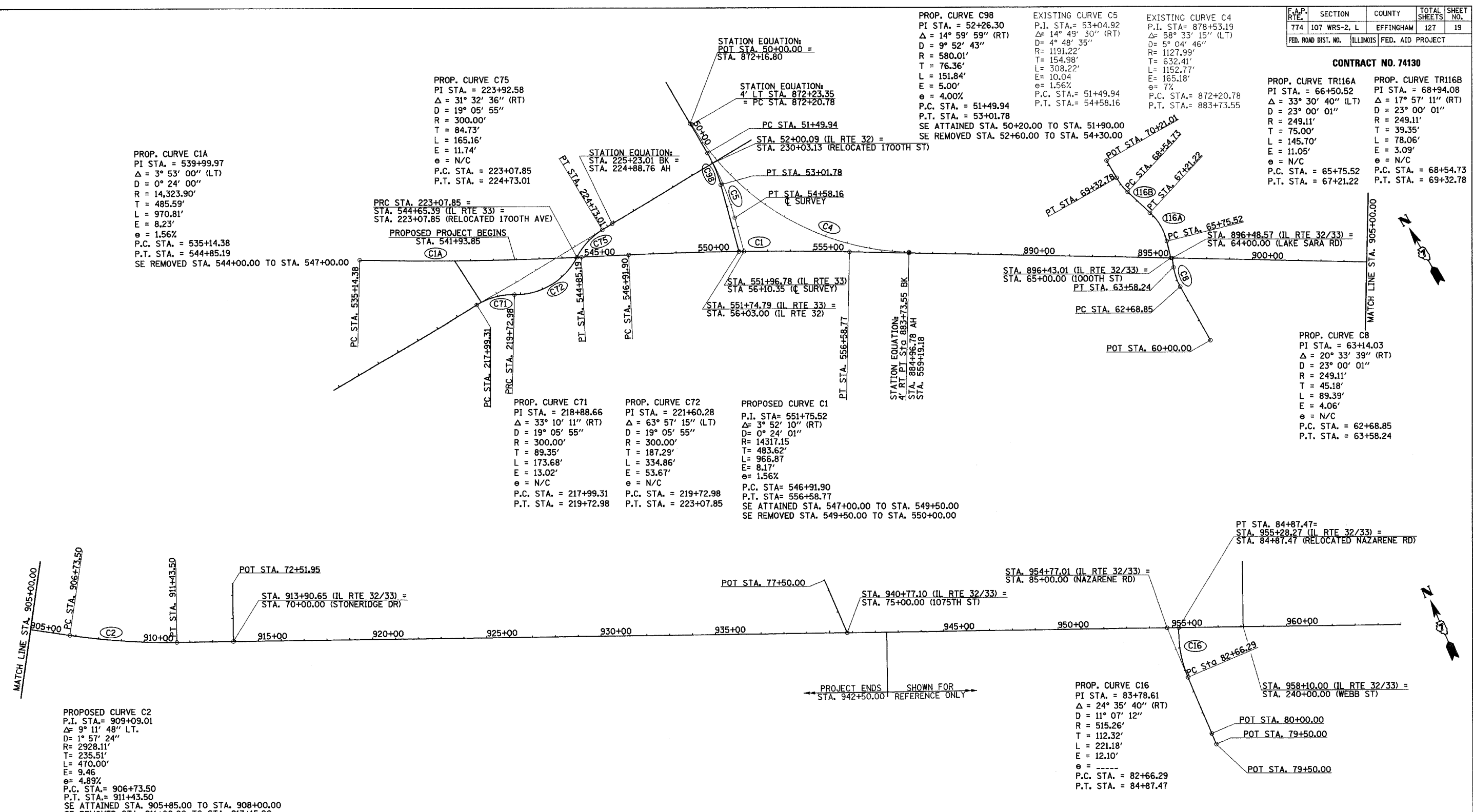
PROP. CURVE C8 PI STA. = 63+14.03 Δ = 20° 33' 39" (RT) D = 23° 00' 01" R = 249.11' T = 45.18' L = 89.39' E = 4.06' e = N/C P.C. STA. = 62+68.85 P.T. STA. = 63+58.24
--

PROP. CURVE C98 PI STA. = 52+26.30 Δ = 14° 59' 59" (RT) D = 9° 52' 43" R = 580.01' T = 76.36' L = 151.84' E = 5.00' e = 4.00% P.C. STA. = 51+49.94 P.T. STA. = 53+01.78 SE ATTAINED STA. 50+20.00 TO STA. 51+90.00 SE REMOVED STA. 52+60.00 TO STA. 54+30.00	EXISTING CURVE C5 P.I. STA. = 53+04.92 Δ = 14° 49' 30" (RT) D = 4° 48' 35" R = 1191.22' T = 154.98' L = 308.22' E = 10.04' e = 1.56% P.C. STA. = 51+49.94 P.T. STA. = 54+58.16	EXISTING CURVE C4 P.I. STA. = 878+53.19 Δ = 58° 33' 15" (LT) D = 5° 04' 46" R = 1127.99' T = 632.41' L = 1152.77' E = 165.18' e = 7% P.C. STA. = 872+20.78 P.T. STA. = 883+73.55
--	--	--

PROP. CURVE C75 PI STA. = 223+92.58 Δ = 31° 32' 36" (RT) D = 19° 05' 55" R = 300.00' T = 84.73' L = 165.16' E = 11.74' e = N/C P.C. STA. = 223+07.85 P.T. STA. = 224+73.01
--

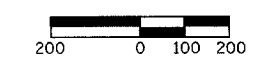
PROP. CURVE C1A PI STA. = 539+99.97 Δ = 3° 53' 00" (LT) D = 0° 24' 00" R = 14,323.90' T = 485.59' L = 970.81' E = 8.23' e = 1.56% P.C. STA. = 535+14.38 P.T. STA. = 544+85.19 SE REMOVED STA. 544+00.00 TO STA. 547+00.00
--

PRC STA. 223+07.85 =  
STA. 544+65.39 (IL RTE 33) =  
STA. 223+07.85 (RELOCATED 1700TH AVE)  
STA. 541+93.85  
PROPOSED PROJECT BEGINS



PROPOSED CURVE C2 P.I. STA. = 909+09.01 Δ = 9° 11' 48" LT. D = 1° 57' 24" R = 2928.11' T = 235.51' L = 470.00' E = 9.46' e = 4.89% P.C. STA. = 906+73.50 P.T. STA. = 911+43.50 SE ATTAINED STA. 905+85.00 TO STA. 908+00.00 SE REMOVED STA. 911+00.00 TO STA. 913+15.00
---

PROP. CURVE C16 PI STA. = 83+78.61 Δ = 24° 35' 40" (RT) D = 11° 07' 12" R = 515.26' T = 112.32' L = 221.18' E = 12.10' e = ---- P.C. STA. = 82+66.29 P.T. STA. = 84+87.47
---

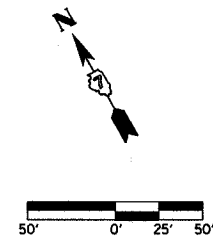
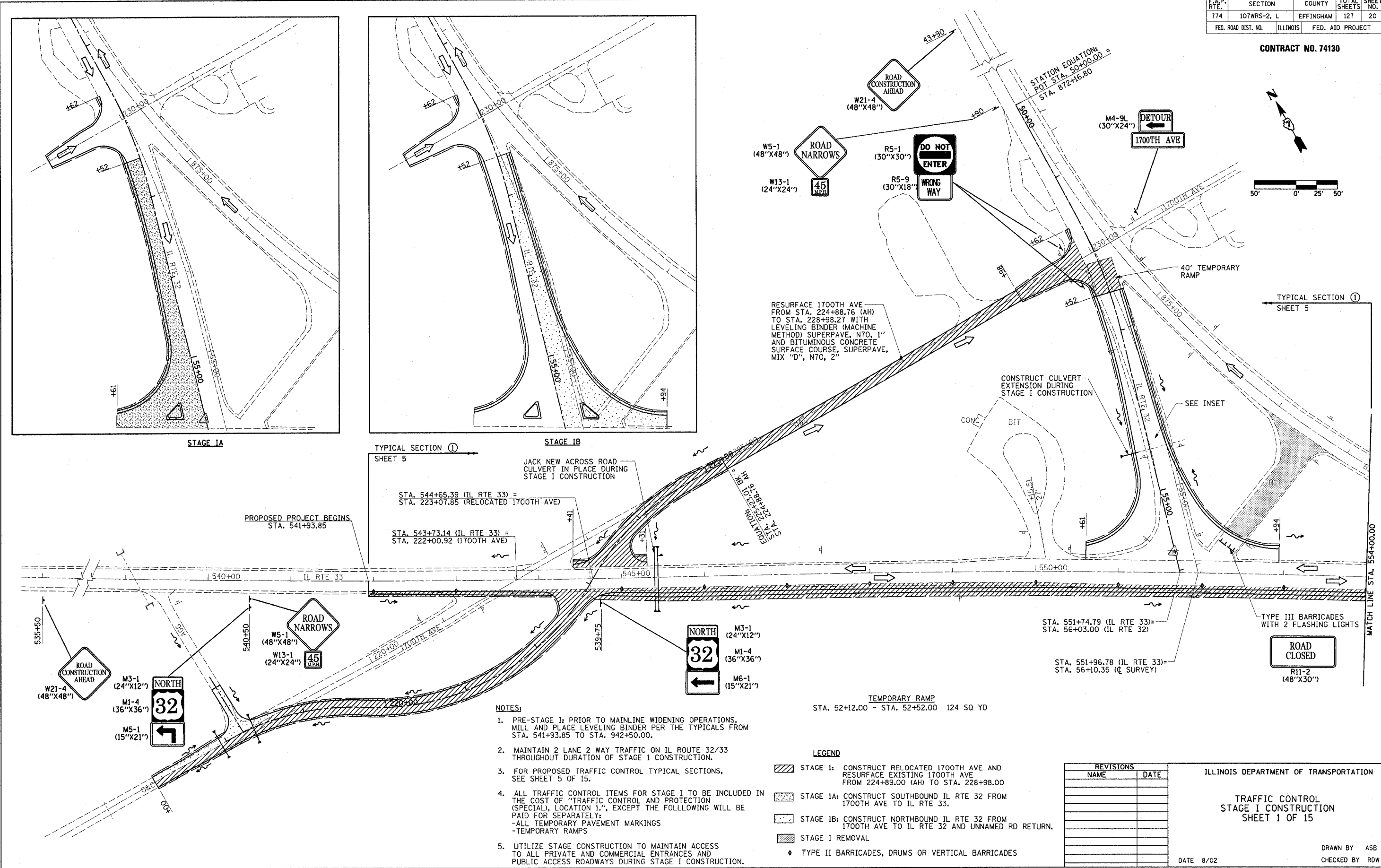


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
HORIZONTAL ALIGNMENT PLAN  
SCALE: 1"=200'  
DATE 4/22/02  
DRAWN BY NJV  
CHECKED BY BKB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107WRS-2, L	EFFINGHAM	127	20
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



STAGE 1A

STAGE 1B

TYPICAL SECTION ①  
SHEET 5

TYPICAL SECTION ①  
SHEET 5

NOTES:

- PRE-STAGE I: PRIOR TO MAINLINE WIDENING OPERATIONS, MILL AND PLACE LEVELING BINDER PER THE TYPICALS FROM STA. 541+93.85 TO STA. 942+50.00.
- MAINTAIN 2 LANE 2 WAY TRAFFIC ON IL ROUTE 32/33 THROUGHOUT DURATION OF STAGE I CONSTRUCTION.
- FOR PROPOSED TRAFFIC CONTROL TYPICAL SECTIONS, SEE SHEET 5 OF 15.
- ALL TRAFFIC CONTROL ITEMS FOR STAGE I TO BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 1", EXCEPT THE FOLLOWING WILL BE PAID FOR SEPARATELY:  
-ALL TEMPORARY PAVEMENT MARKINGS  
-TEMPORARY RAMPS
- UTILIZE STAGE CONSTRUCTION TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES AND PUBLIC ACCESS ROADWAYS DURING STAGE I CONSTRUCTION.

LEGEND

- STAGE 1: CONSTRUCT RELOCATED 1700TH AVE AND RESURFACE EXISTING 1700TH AVE FROM 224+89.00 (AH) TO STA. 228+98.00
- STAGE 1A: CONSTRUCT SOUTHBOUND IL RTE 32 FROM 1700TH AVE TO IL RTE 33.
- STAGE 1B: CONSTRUCT NORTHBOUND IL RTE 32 FROM 1700TH AVE TO IL RTE 32 AND UNNAMED RD RETURN.
- STAGE I REMOVAL
- TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

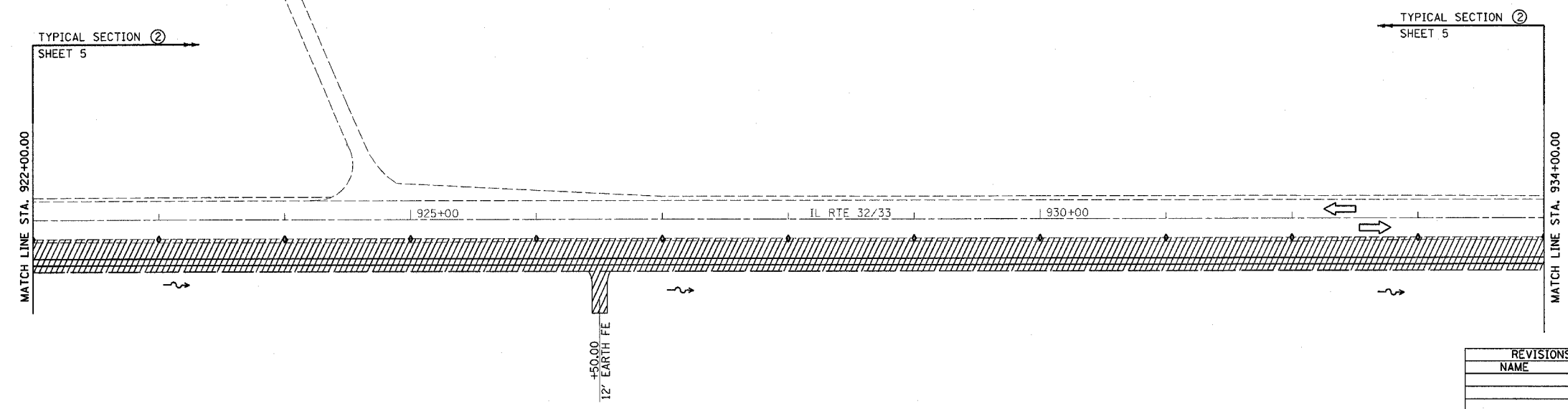
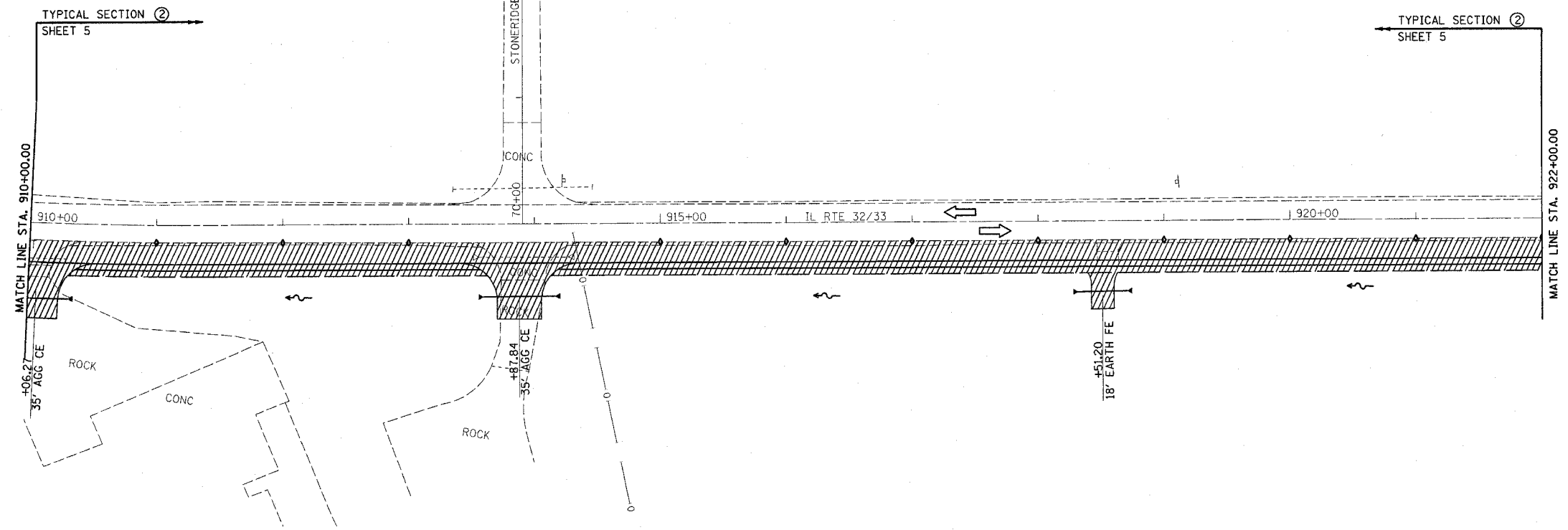
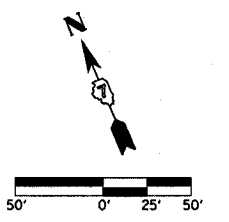
ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC CONTROL  
STAGE I CONSTRUCTION  
SHEET 1 OF 15  
DATE 8/02  
DRAWN BY ASB  
CHECKED BY RDW

4/19/06



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	22
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



- LEGEND**
- STAGE 1 CONSTRUCTION
  - TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE I CONSTRUCTION  
SHEET 3 OF 15

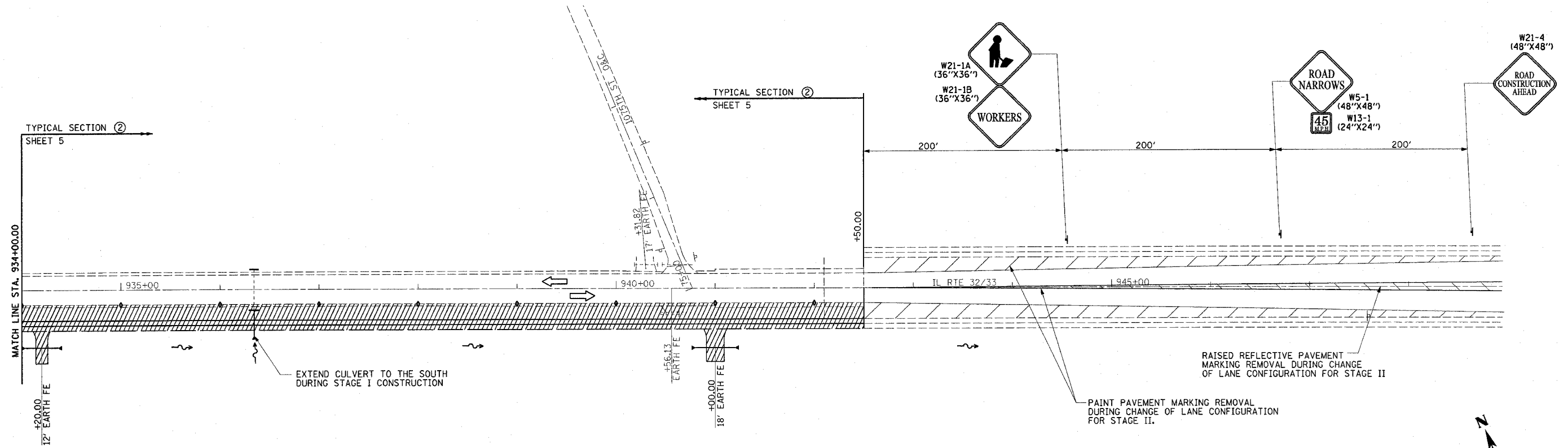
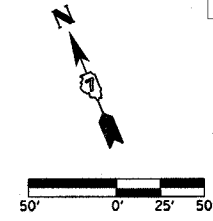
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	23
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



RAISED REFLECTIVE PAVEMENT MARKING REMOVAL  
STA. 942+50.00 - STA. 952+00.00 48 EACH

LEGEND

- ▨ STAGE 1 CONSTRUCTION
- ◆ TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

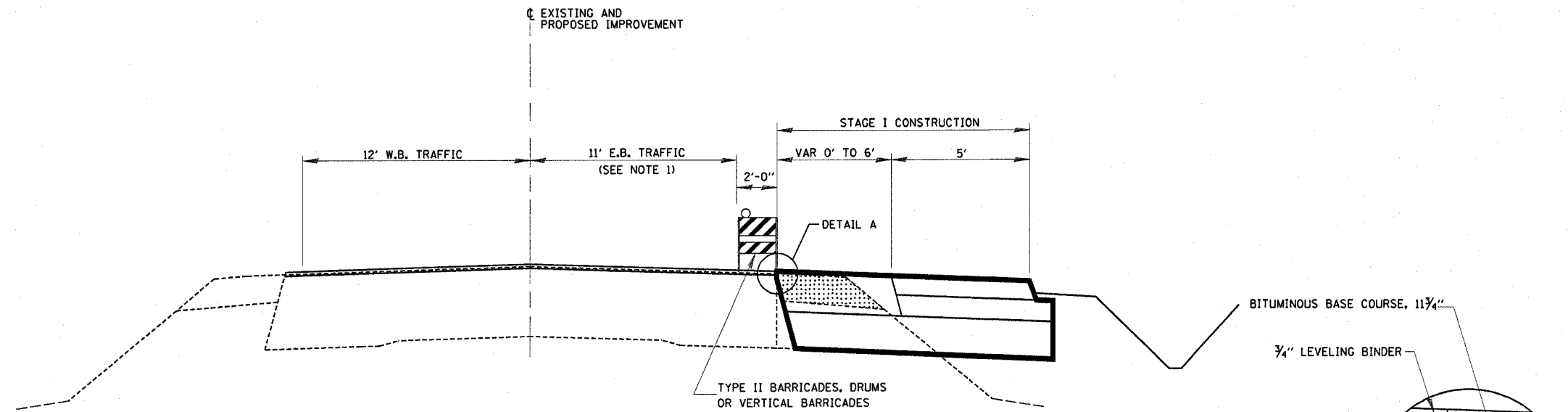
ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
TRAFFIC CONTROL  
STAGE I CONSTRUCTION  
SHEET 4 OF 15

DATE 8/02  
DRAWN BY ASB  
CHECKED BY RDW

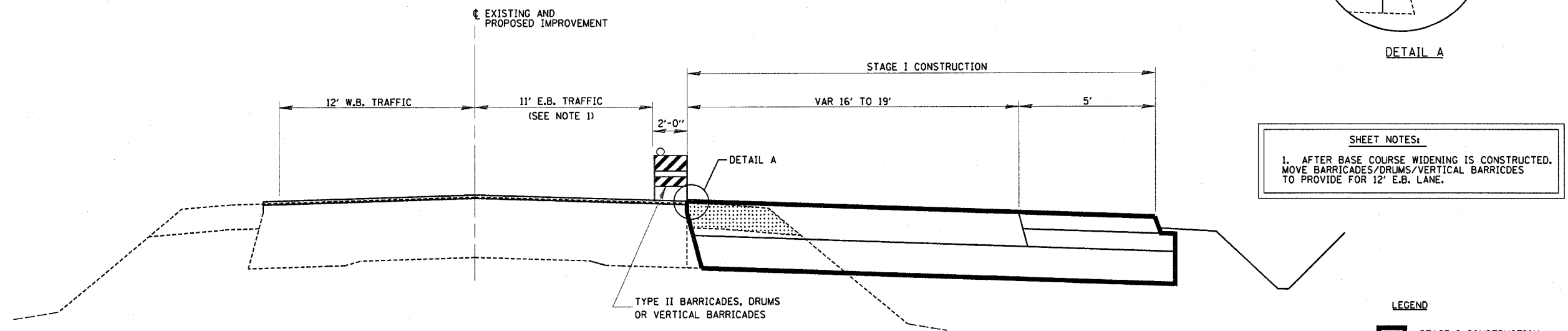
4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	24
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



PROPOSED TRAFFIC CONTROL TYPICAL SECTION ①  
STA. 541+93.85 TO STA. 896+43



PROPOSED TRAFFIC CONTROL TYPICAL SECTION ②  
STA. 896+43 TO STA. 942+50.00

TYPICAL SECTIONS 3, 4, 5 & 6 NOT USED

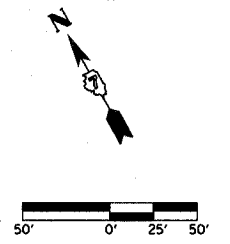
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
TYPICAL SECTIONS  
STAGE I  
SHEET 5 OF 15  
  
DRAWN BY MLO  
CHECKED BY SJK  
DATE 8/02

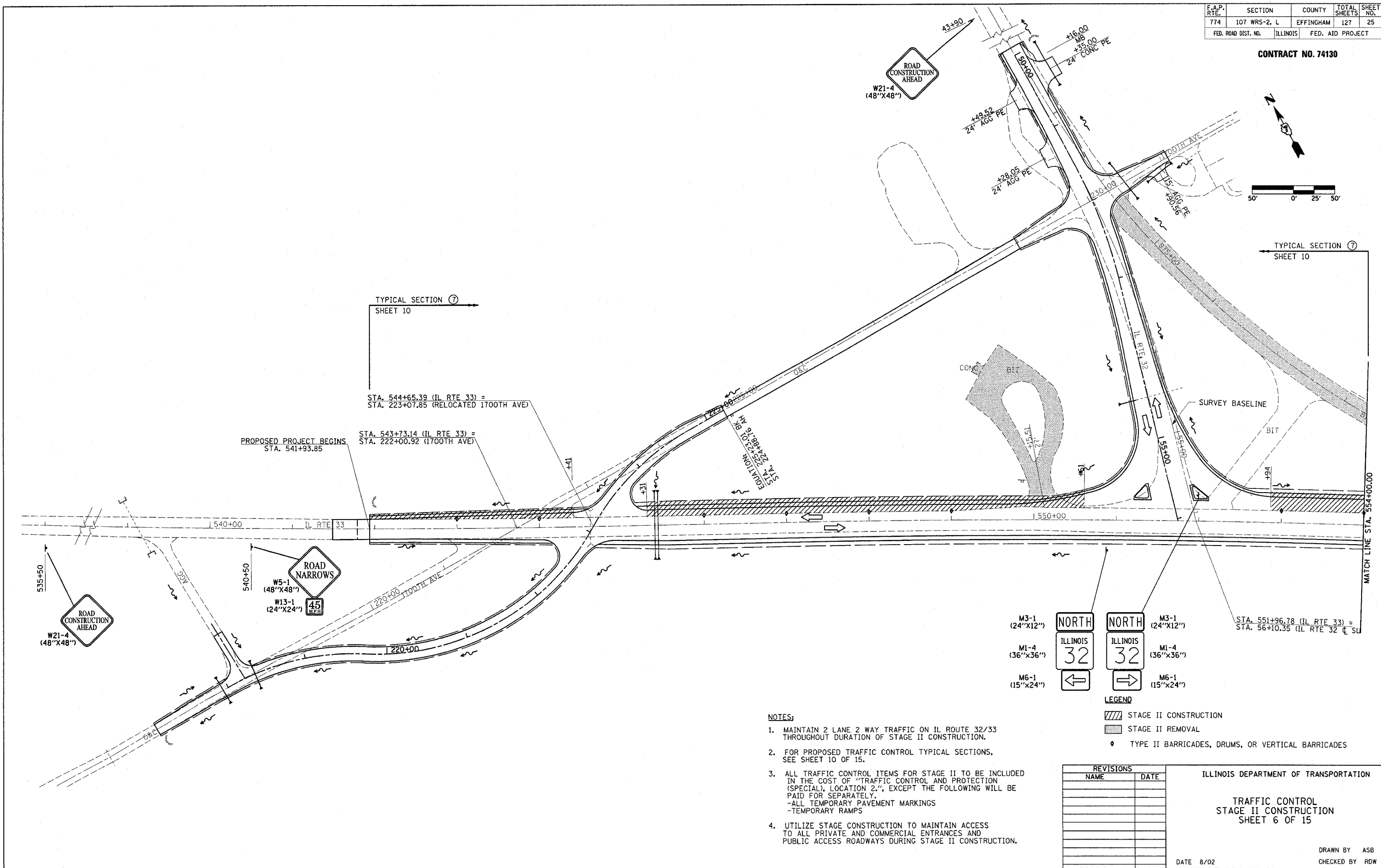
4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	25
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



TYPICAL SECTION ⑦  
SHEET 10

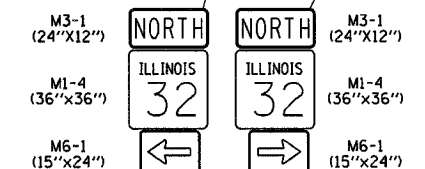


PROPOSED PROJECT BEGINS  
STA. 541+93.85

STA. 544+65.39 (IL RTE 33) =  
STA. 223+07.85 (RELOCATED 1700TH AVE)

STA. 543+73.14 (IL RTE 33) =  
STA. 222+00.92 (1700TH AVE)

STA. 551+96.78 (IL RTE 33) =  
STA. 56+10.35 (IL RTE 32 @ SU)



- LEGEND
- STAGE II CONSTRUCTION
  - STAGE II REMOVAL
  - TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES

- NOTES:
1. MAINTAIN 2 LANE 2 WAY TRAFFIC ON IL ROUTE 32/33 THROUGHOUT DURATION OF STAGE II CONSTRUCTION.
  2. FOR PROPOSED TRAFFIC CONTROL TYPICAL SECTIONS, SEE SHEET 10 OF 15.
  3. ALL TRAFFIC CONTROL ITEMS FOR STAGE II TO BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 2.", EXCEPT THE FOLLOWING WILL BE PAID FOR SEPARATELY.
    - ALL TEMPORARY PAVEMENT MARKINGS
    - TEMPORARY RAMPS
  4. UTILIZE STAGE CONSTRUCTION TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES AND PUBLIC ACCESS ROADWAYS DURING STAGE II CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE II CONSTRUCTION  
SHEET 6 OF 15

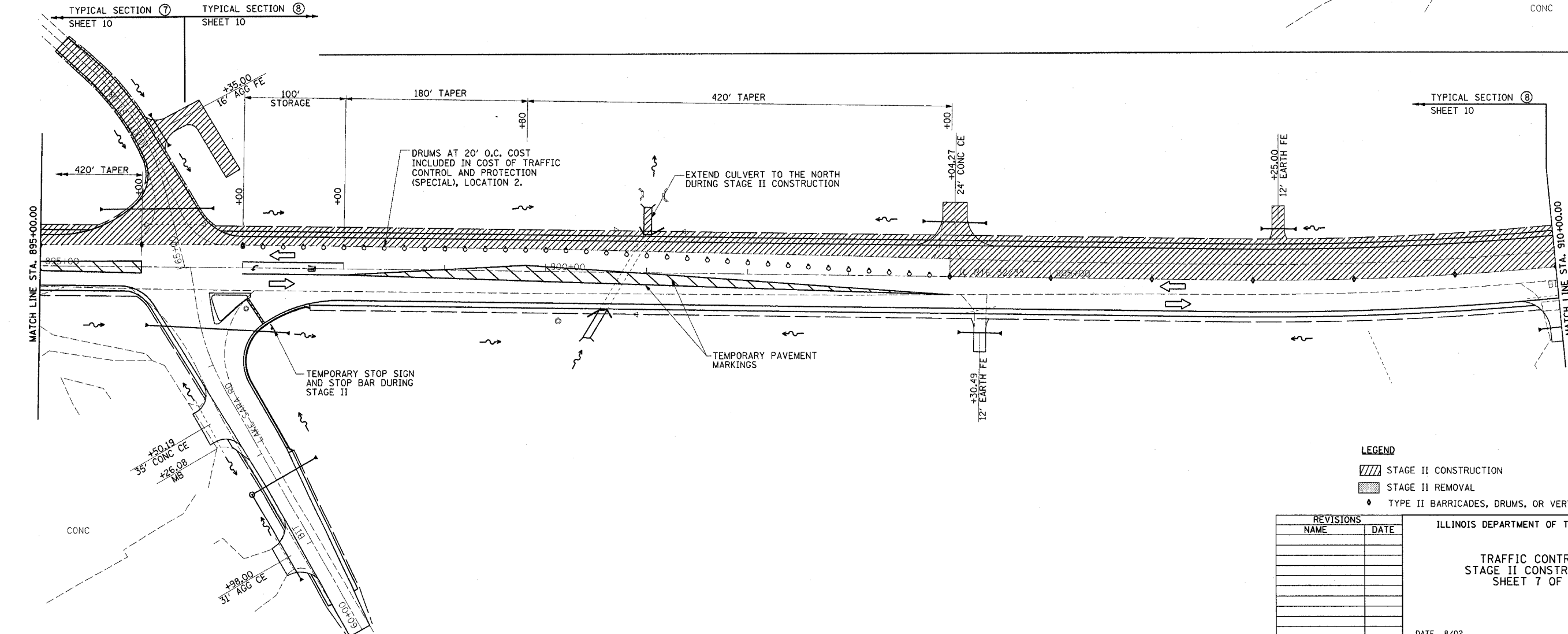
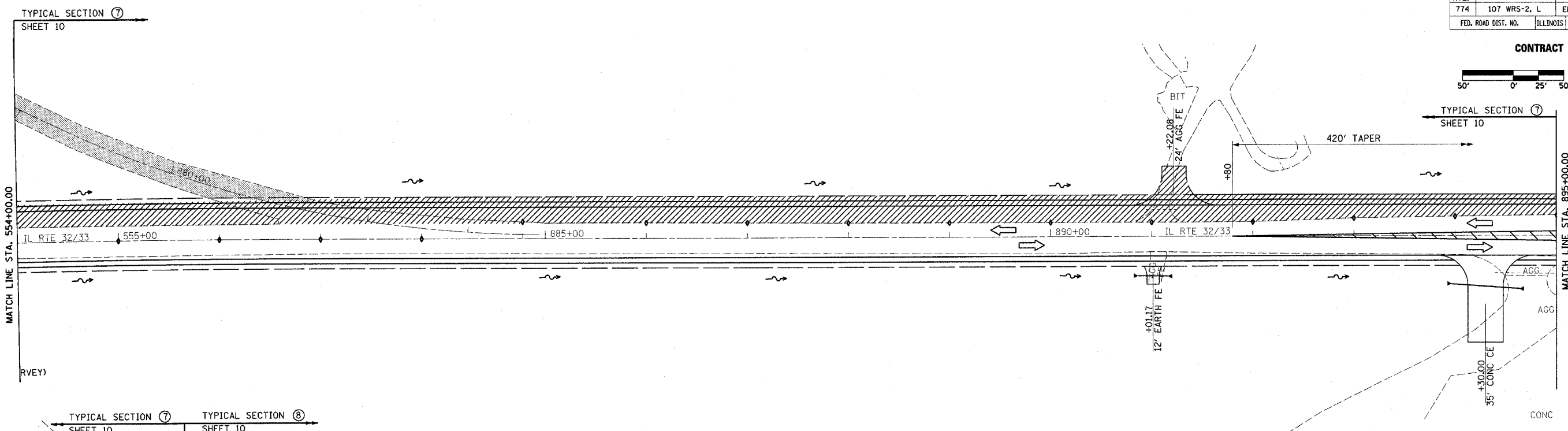
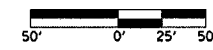
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	26
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



LEGEND

- STAGE II CONSTRUCTION
- STAGE II REMOVAL
- TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE II CONSTRUCTION  
SHEET 7 OF 15

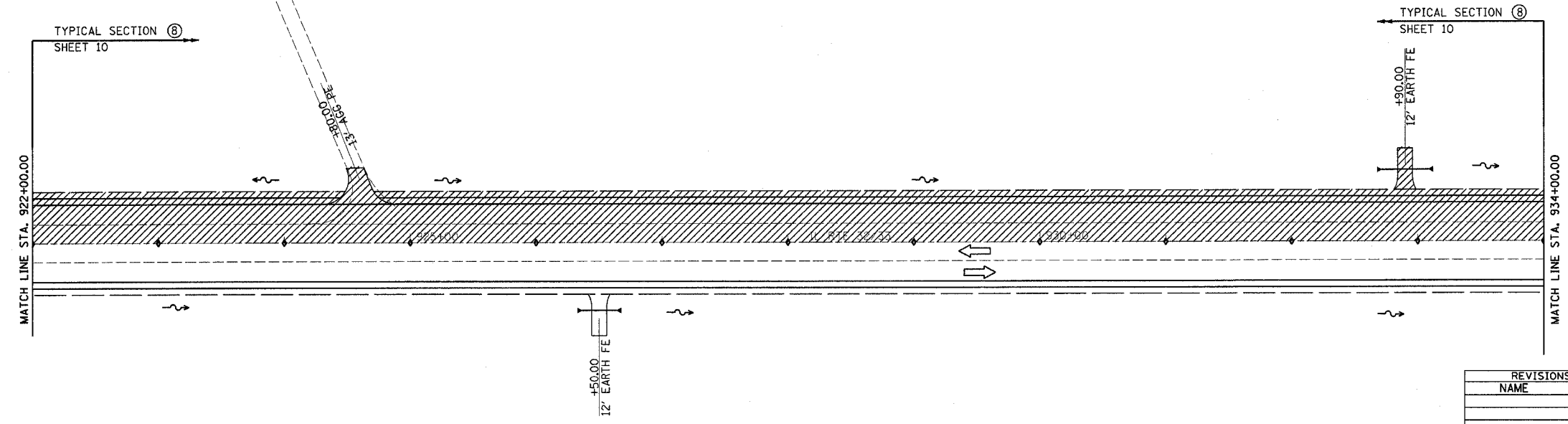
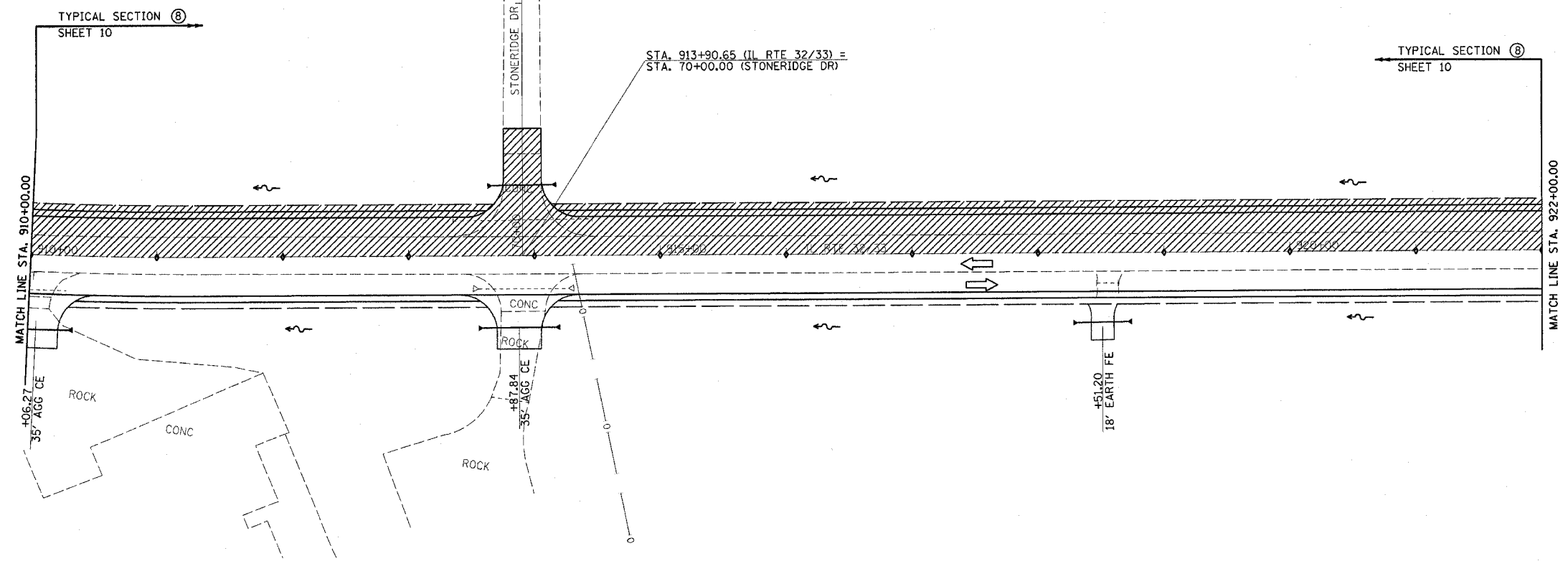
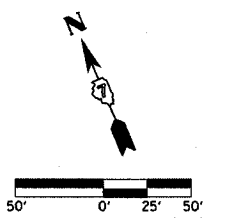
DATE 8/02  
DRAWN BY ASB  
CHECKED BY RDW

4/19/06



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	27
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130



LEGEND  
 ▨ STAGE II CONSTRUCTION  
 ◆ TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES

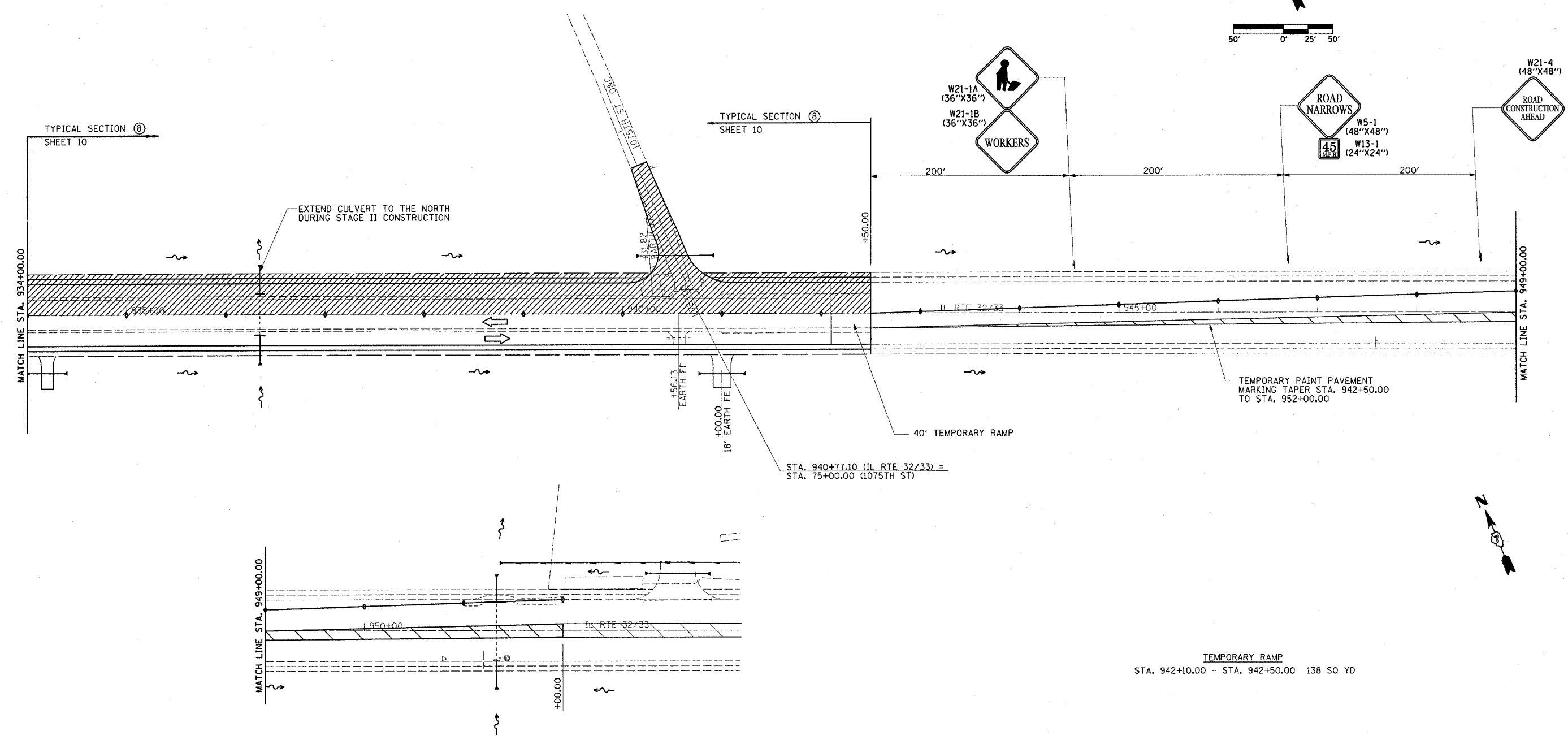
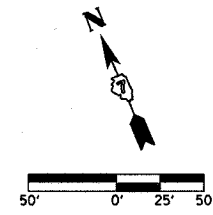
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL  
 STAGE II CONSTRUCTION  
 SHEET 8 OF 15  
 DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY RDW

4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	28
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130



TEMPORARY RAMP  
STA. 942+10.00 - STA. 942+50.00 138 SQ YD

LEGEND

- ▨ STAGE II CONSTRUCTION
- TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE II CONSTRUCTION  
SHEET 9 OF 15

DATE 8/02

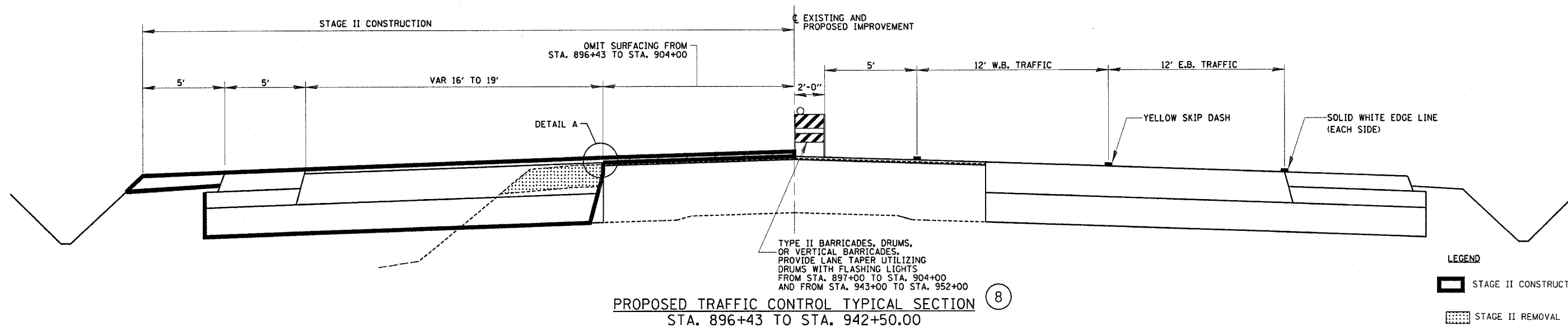
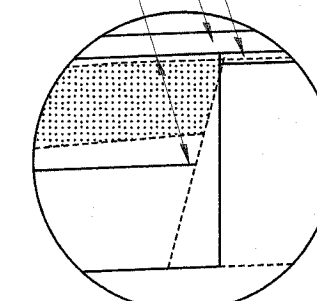
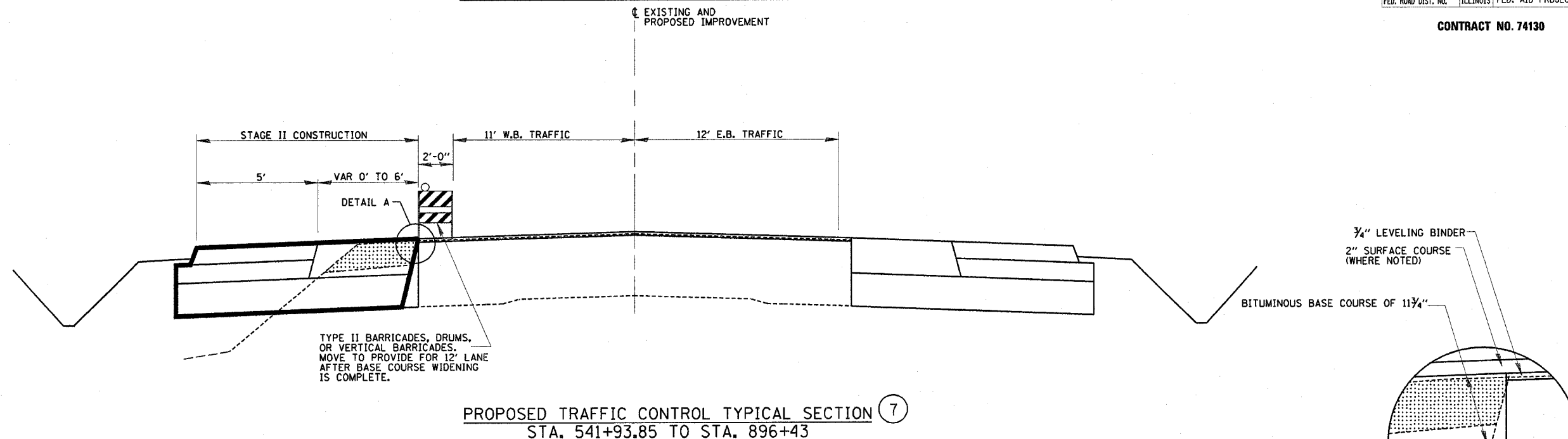
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CHECKED BY RDW

4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	29
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

TYPICAL SECTIONS 3, 4, 5 & 6 NOT USED



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
STAGE II  
SHEET 10 OF 15

DRAWN BY MLO  
CHECKED BY SJK

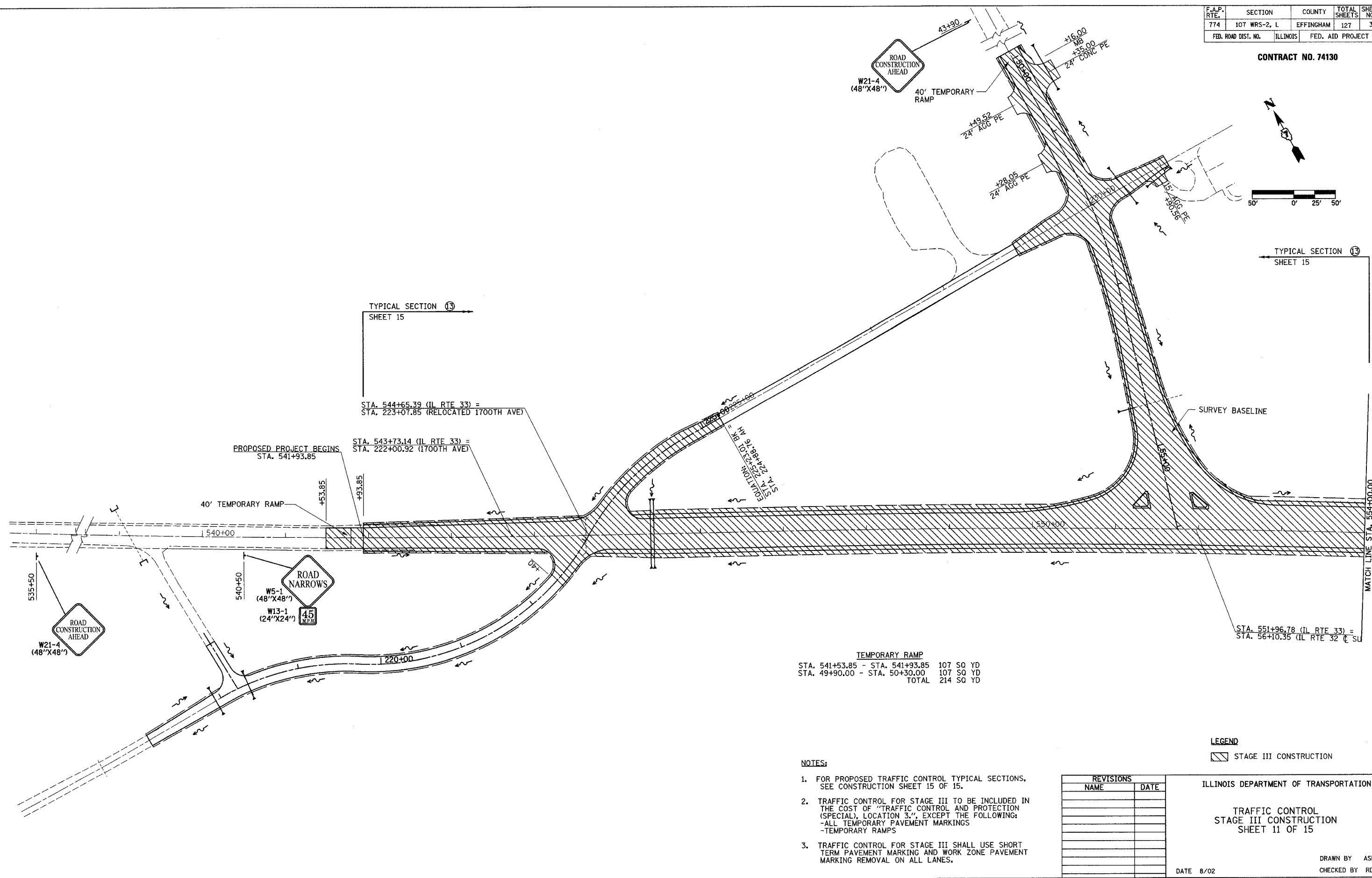
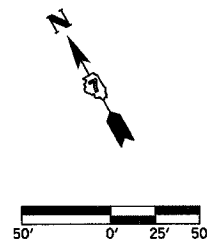
DATE 8/02

TYPICAL SECTIONS 9, 10, 11 & 12 NOT USED

4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	30
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



TEMPORARY RAMP

STA. 541+53.85 - STA. 541+93.85	107 SQ YD
STA. 49+90.00 - STA. 50+30.00	107 SQ YD
<b>TOTAL</b>	<b>214 SQ YD</b>

- NOTES:
- FOR PROPOSED TRAFFIC CONTROL TYPICAL SECTIONS, SEE CONSTRUCTION SHEET 15 OF 15.
  - TRAFFIC CONTROL FOR STAGE III TO BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL) LOCATION 3", EXCEPT THE FOLLOWING:
    - ALL TEMPORARY PAVEMENT MARKINGS
    - TEMPORARY RAMPS
  - TRAFFIC CONTROL FOR STAGE III SHALL USE SHORT TERM PAVEMENT MARKING AND WORK ZONE PAVEMENT MARKING REMOVAL ON ALL LANES.

REVISIONS	
NAME	DATE

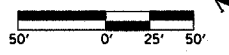
LEGEND  
 STAGE III CONSTRUCTION

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL  
 STAGE III CONSTRUCTION  
 SHEET 11 OF 15

DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY ROW

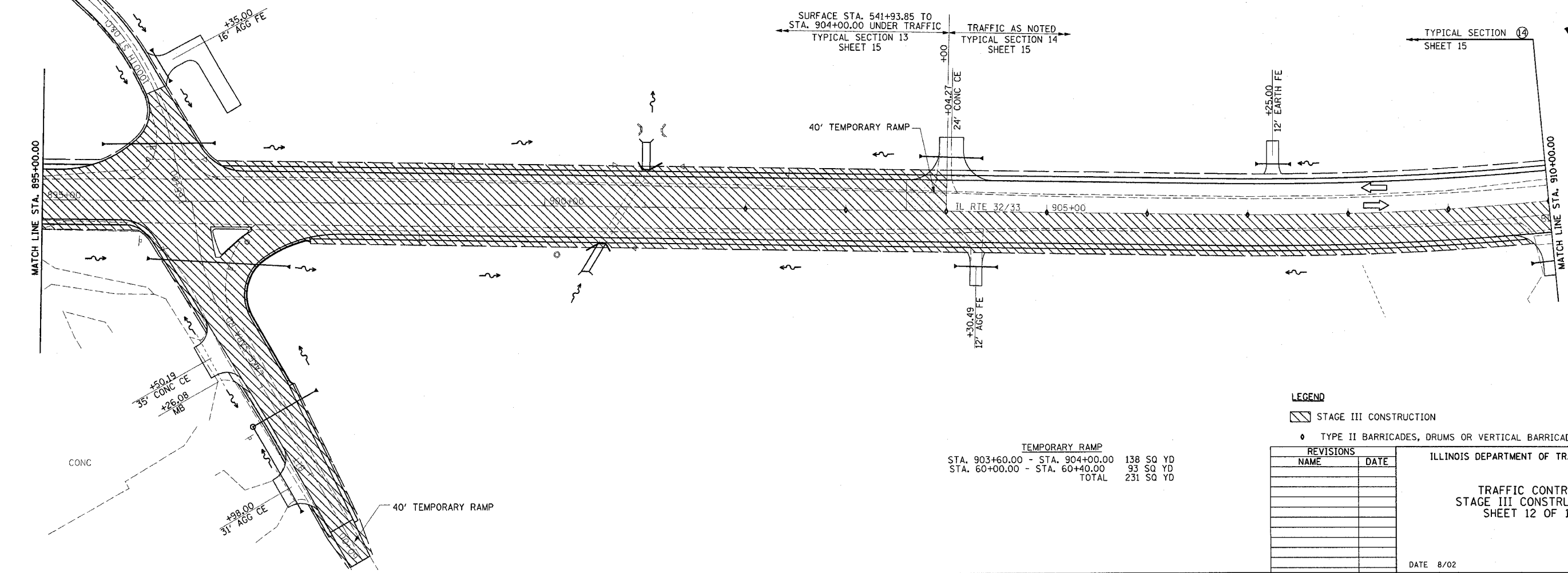
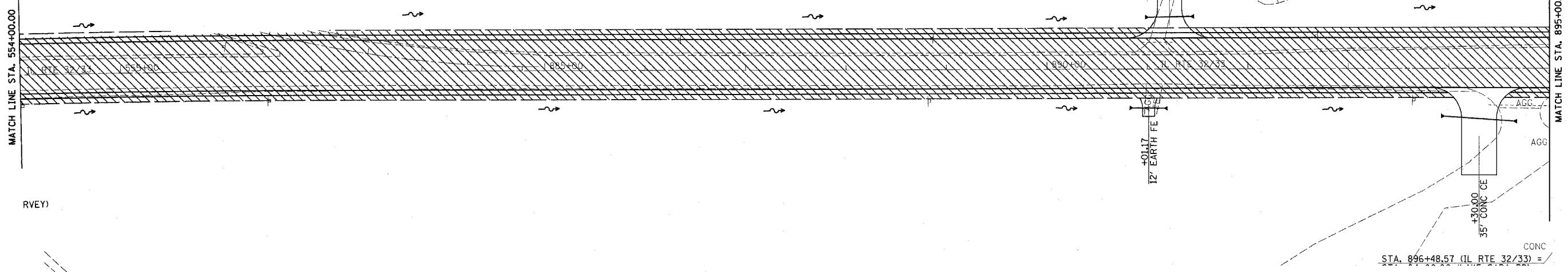
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	31
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



TYPICAL SECTION 13  
SHEET 15

TYPICAL SECTION 13  
SHEET 15



SURFACE STA. 541+93.85 TO STA. 904+00.00 UNDER TRAFFIC  
TYPICAL SECTION 13 SHEET 15

TRAFFIC AS NOTED  
TYPICAL SECTION 14 SHEET 15

TEMPORARY RAMP

STA. 903+60.00 - STA. 904+00.00	138 SQ YD
STA. 60+00.00 - STA. 60+40.00	93 SQ YD
TOTAL	231 SQ YD

- LEGEND
- ▨ STAGE III CONSTRUCTION
  - ◊ TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE III CONSTRUCTION  
SHEET 12 OF 15

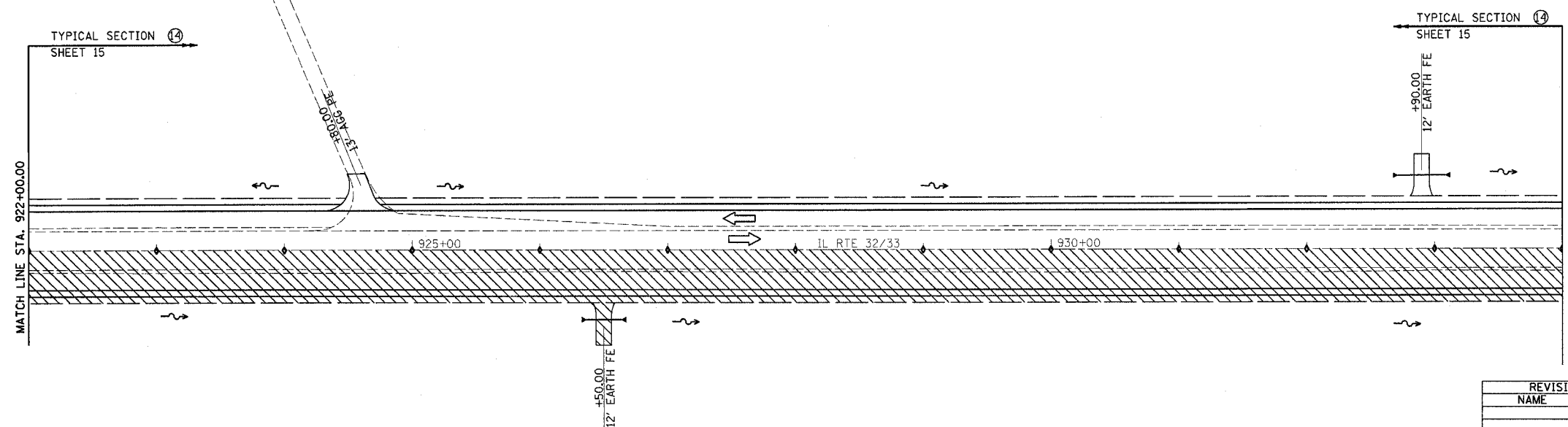
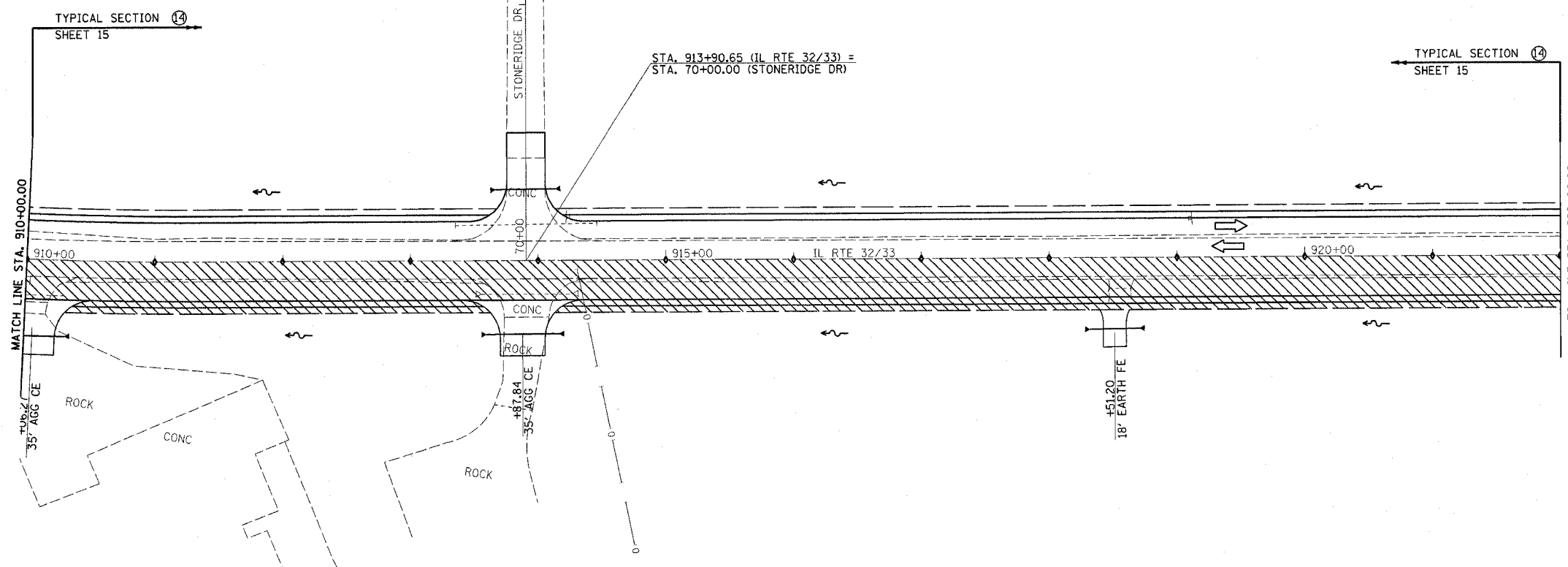
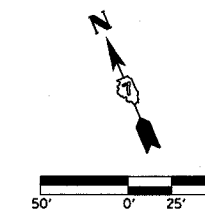
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	32
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



- LEGEND**
- STAGE III CONSTRUCTION
  - TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

TRAFFIC CONTROL  
STAGE III CONSTRUCTION  
SHEET 13 OF 15

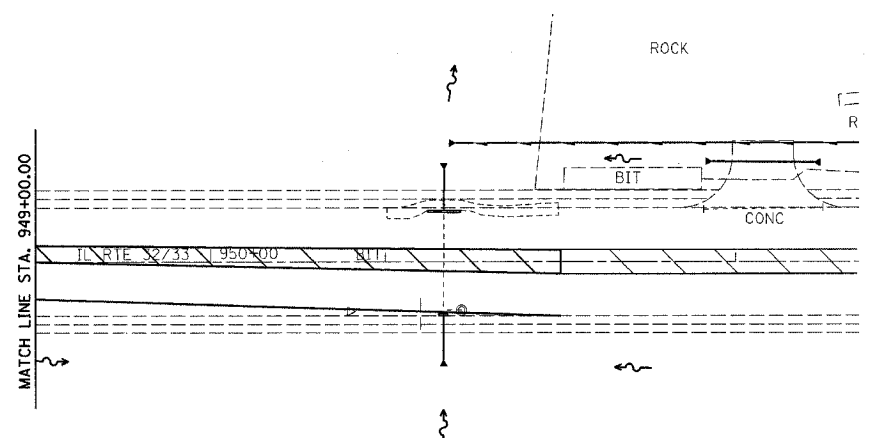
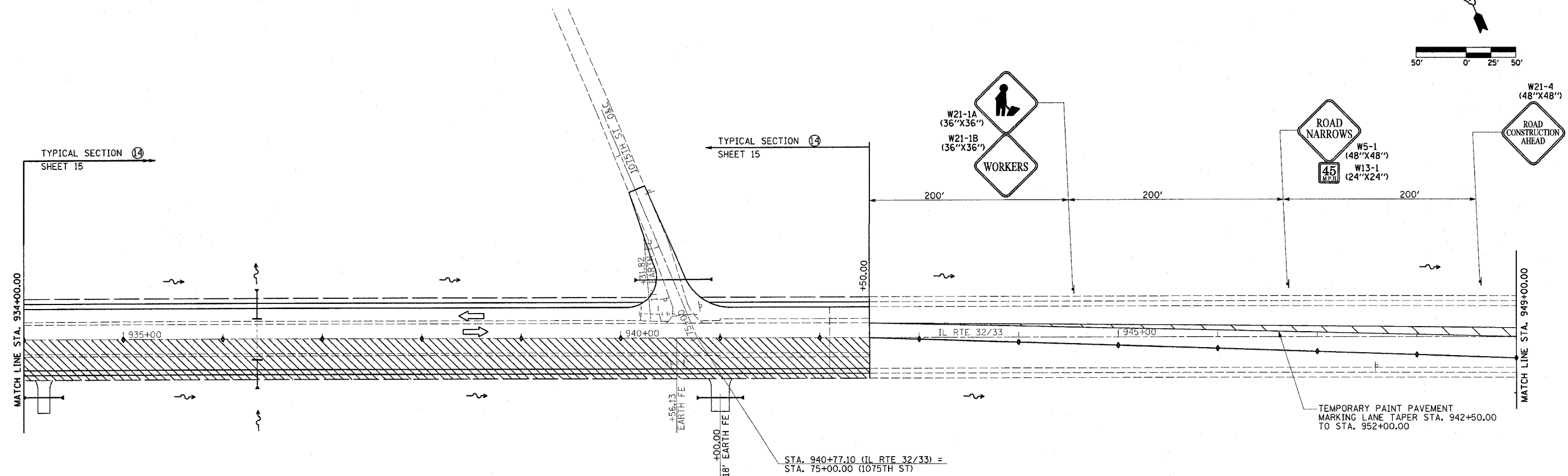
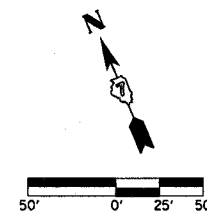
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

4/19/06

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	33
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



LEGEND

- STAGE III CONSTRUCTION
- TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL  
 STAGE III CONSTRUCTION  
 SHEET 14 OF 15

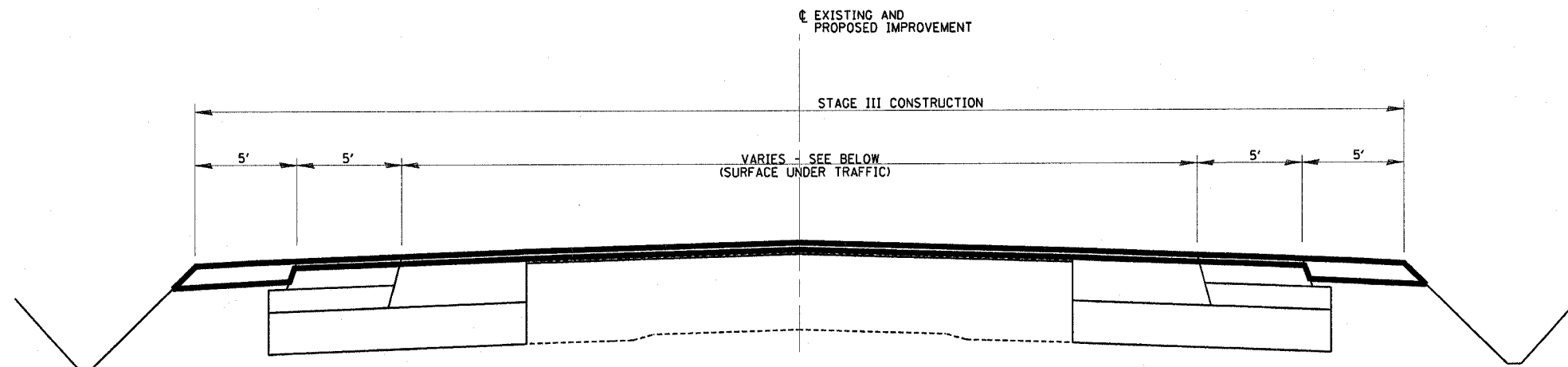
DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY RDW

4/19/06

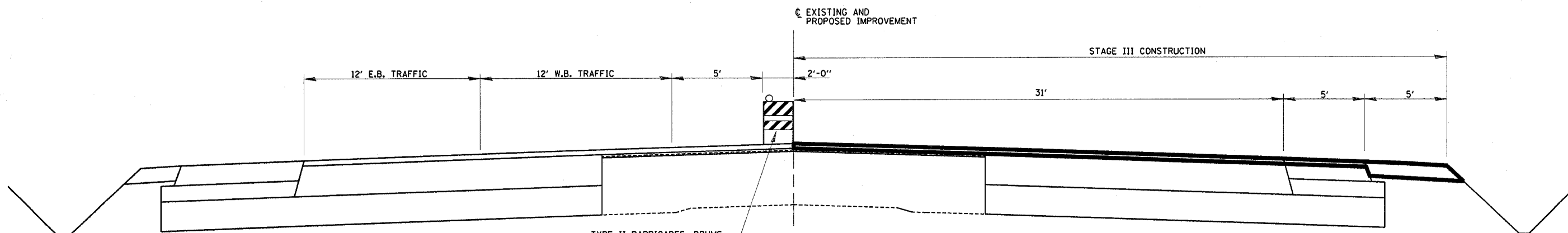
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	34
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

TYPICAL SECTIONS 9, 10, 11 & 12 NOT USED



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION (13)**  
 STA. 541+93.85 TO STA. 551+75 (VAR 26' TO 38')  
 STA. 551+75 TO STA. 896+43 (50')  
 STA. 896+43 TO STA. 904+00 (62')



TYPE II BARRICADES, DRUMS  
 VERTICAL BARRICADES.  
 PROVIDE LANE TAPER  
 UTILIZING DRUMS WITH  
 FLASHING LIGHTS FROM  
 STA. 943+00 TO STA. 952+00  
**PROPOSED TRAFFIC CONTROL TYPICAL SECTION (14)**  
 STA. 904+00 TO STA. 942+50.00

LEGEND

▭ STAGE III CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 STAGE III  
 SHEET 15 OF 15

DATE 8/02

DRAWN BY MLO  
 CHECKED BY SJK

4/19/06





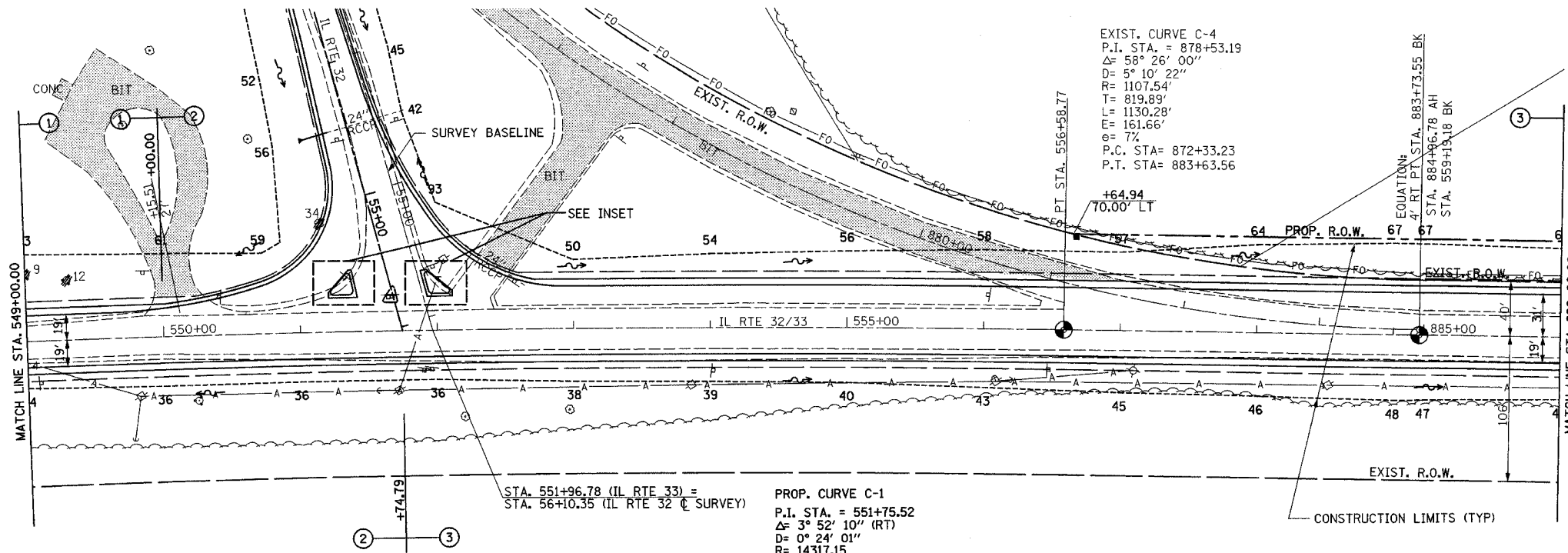
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	36
STA. 549+00.00		TO STA. 886+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74130

PERMANENT SURVEY MARKERS, TYPE I  
 PT STA. 556+58.77 1 EACH  
 STA. 884+96.78 1 EACH  
 TOTAL 2 EACH

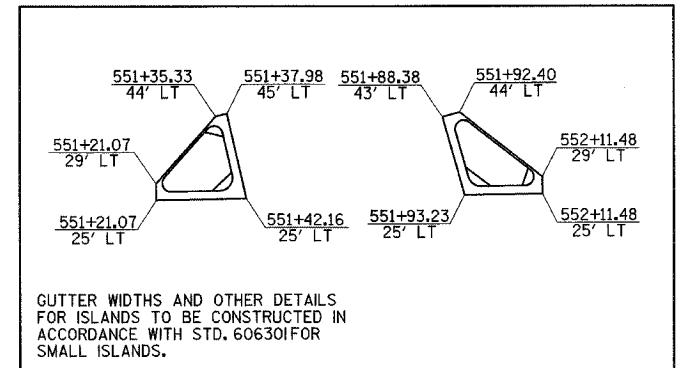


PLAN	DATE
BY	
DATE	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
DATE	



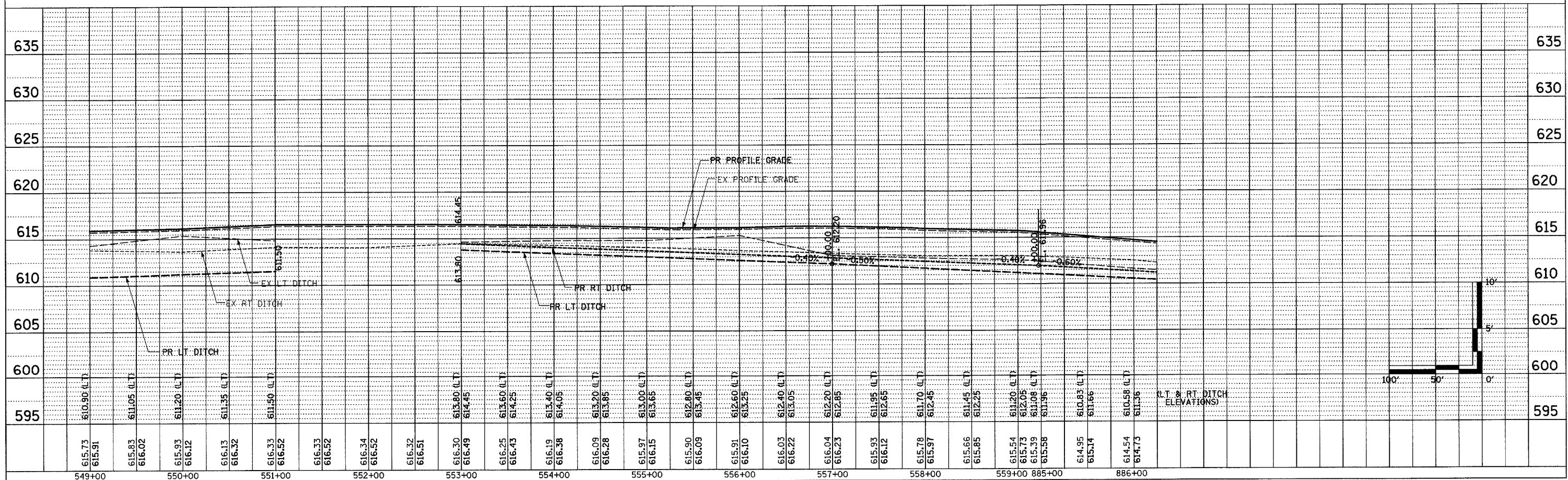
ISLAND REMOVAL  
 LT STA. 551+60.76 - STA. 551+70.27 86 SQ FT

CONCRETE MEDIAN, TYPE SM-6.24  
 LT STA. 551+21.07 - STA. 551+42.16 261 SQ FT  
 LT STA. 551+93.23 - STA. 552+11.48 256 SQ FT  
 TOTAL 517 SQ FT



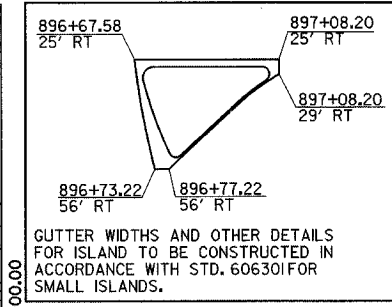
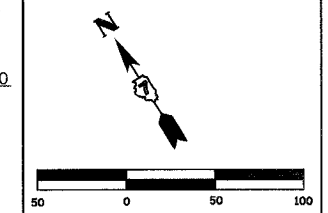
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PROFILE	DATE
BY	
DATE	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
DATE	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	37
STA. 886+00.00		TO STA. 898+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

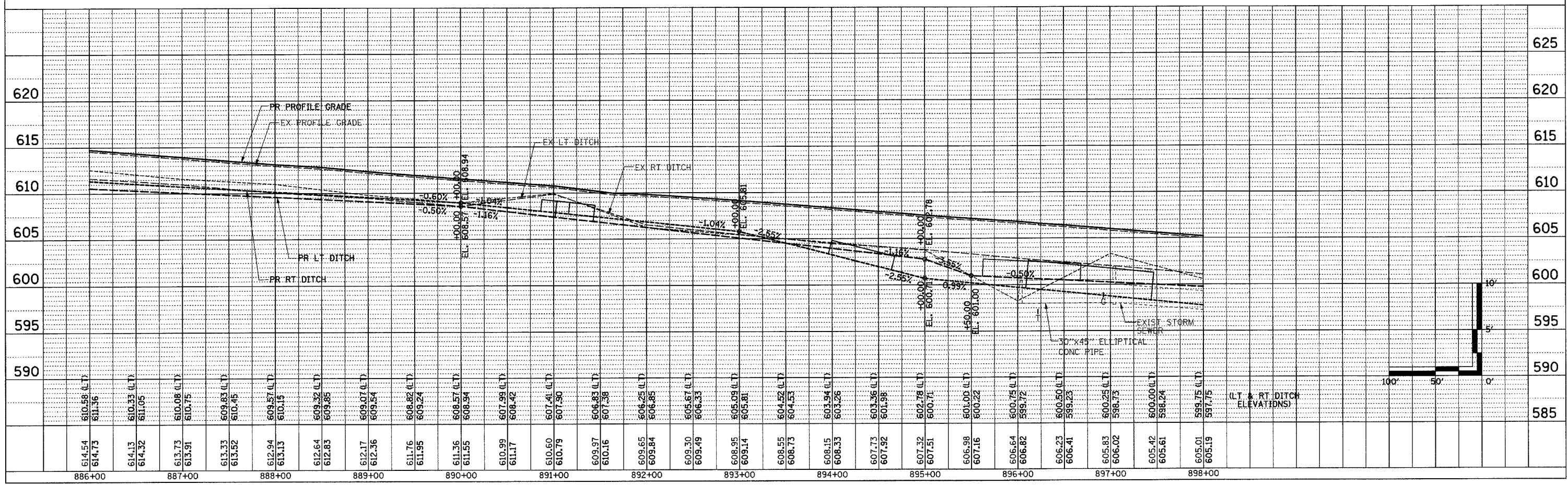
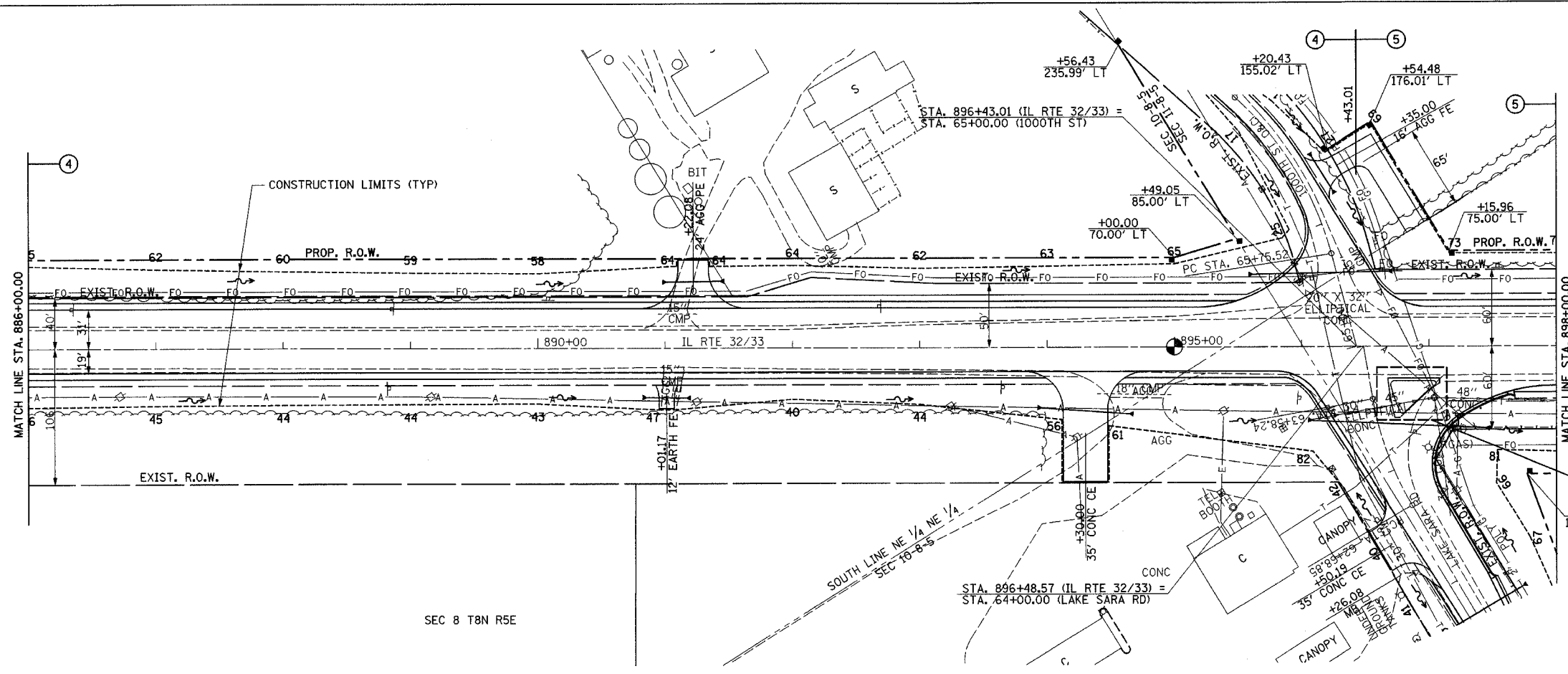
CONTRACT NO. 74130



- INSET**
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24  
RT STA 61+87.00 - STA. 63+35.00 192'
  - CONCRETE MEDIAN, TYPE SM-6.24  
RT STA 896+67.58 - STA. 897+08.20 729 SQ FT
  - STORM SEWER REMOVAL, 36"  
RT STA. 896+04.90 - STA. 897+04.22 101'  
RT STA. 896+16.55 - STA. 897+04.22 94'  
TOTAL 195'
  - STORM SEWER REMOVAL, 48"  
RT STA. 897+04.22 - STA. 898+00.00 96'
  - REMOVING MANHOLES  
RT STA. 897+04.22 1 EACH
  - PERMANENT SURVEY MARKER, TYPE 1  
STA 895+00.00 1 EACH

PLAN	SURVEYED	DATE
	PLOTTED	
	REVISIONS	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

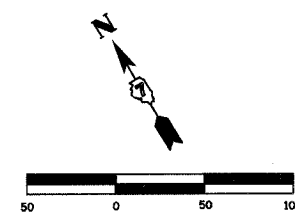
PROFILE	SURVEYED	DATE
	PLOTTED	
	REVISIONS	
	STRUCTURE NOTATION DPKD	





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	38
STA. 898+00.00 TO STA. 910+00.00			ILLINOIS FED. AID PROJECT	

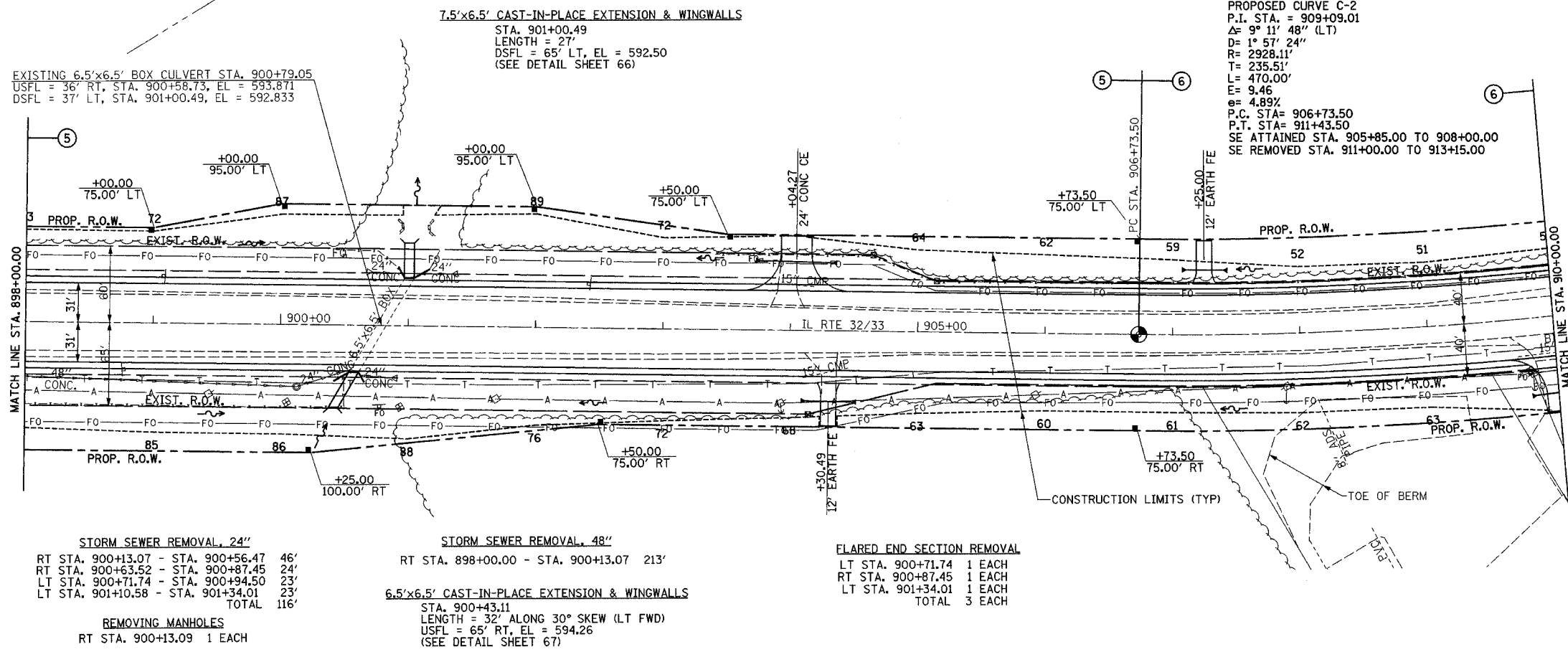
CONTRACT NO. 74130



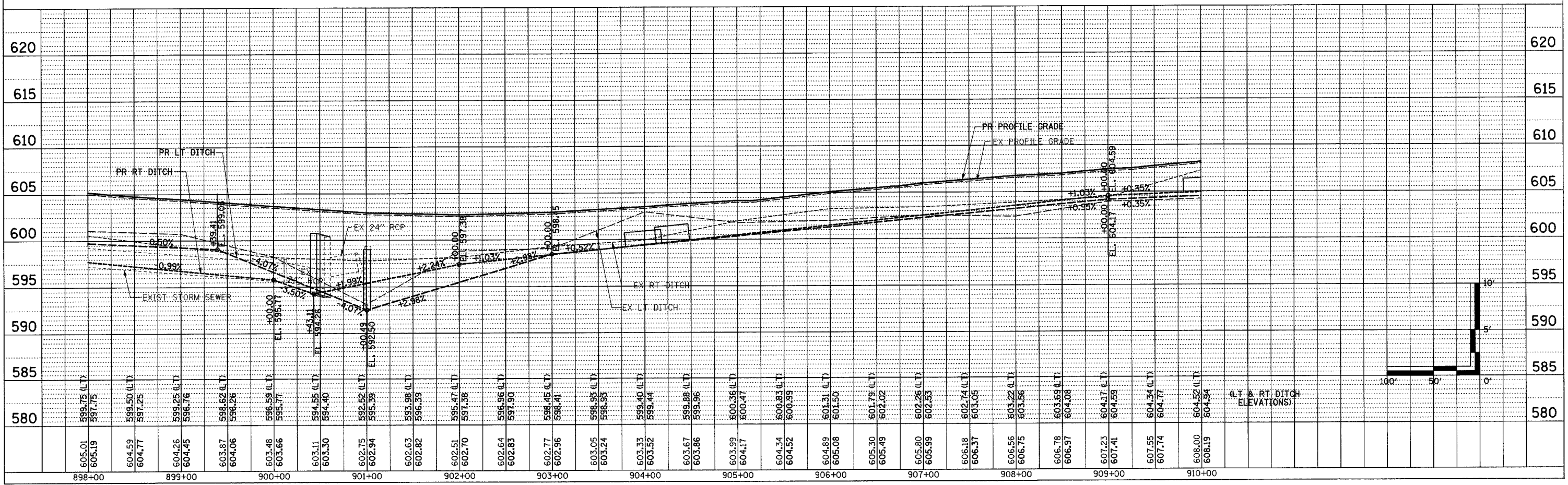
PERMANENT SURVEY MARKER, TYPE I  
PC STA. 906+73.50 1 EACH

PLAN	SURVEYED	DATE
	ALIGNED	
	BY	
	NO. OF W.A. CHECKED	
	DATE FILED	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
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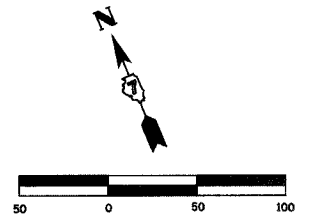


- STORM SEWER REMOVAL, 24"
  - RT STA. 900+13.07 - STA. 900+56.47 46'
  - RT STA. 900+63.52 - STA. 900+87.45 24'
  - LT STA. 900+71.74 - STA. 900+94.50 23'
  - LT STA. 901+10.58 - STA. 901+34.01 23'
  - TOTAL 116'
- STORM SEWER REMOVAL, 48"
  - RT STA. 898+00.00 - STA. 900+13.07 213'
- FLARED END SECTION REMOVAL
  - LT STA. 900+71.74 1 EACH
  - RT STA. 900+87.45 1 EACH
  - LT STA. 901+34.01 1 EACH
  - TOTAL 3 EACH
- REMOVING MANHOLES
  - RT STA. 900+13.09 1 EACH
- 7.5'x6.5' CAST-IN-PLACE EXTENSION & WINGWALLS
  - STA. 901+00.49
  - LENGTH = 27'
  - DSFL = 65' LT, EL = 592.50
  - (SEE DETAIL SHEET 66)
- 6.5'x6.5' CAST-IN-PLACE EXTENSION & WINGWALLS
  - STA. 900+43.11
  - LENGTH = 32' ALONG 30° SKEW (LT FWD)
  - USFL = 65' RT, EL = 594.26
  - (SEE DETAIL SHEET 67)



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	39
STA. 910+00.00		TO STA. 922+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

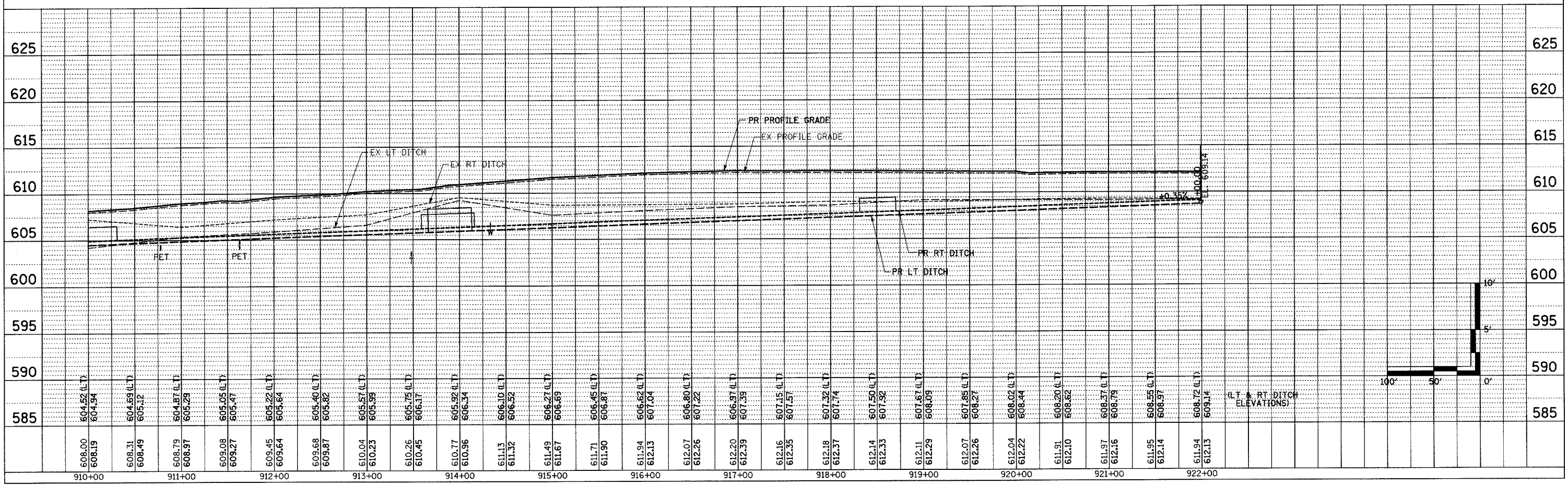
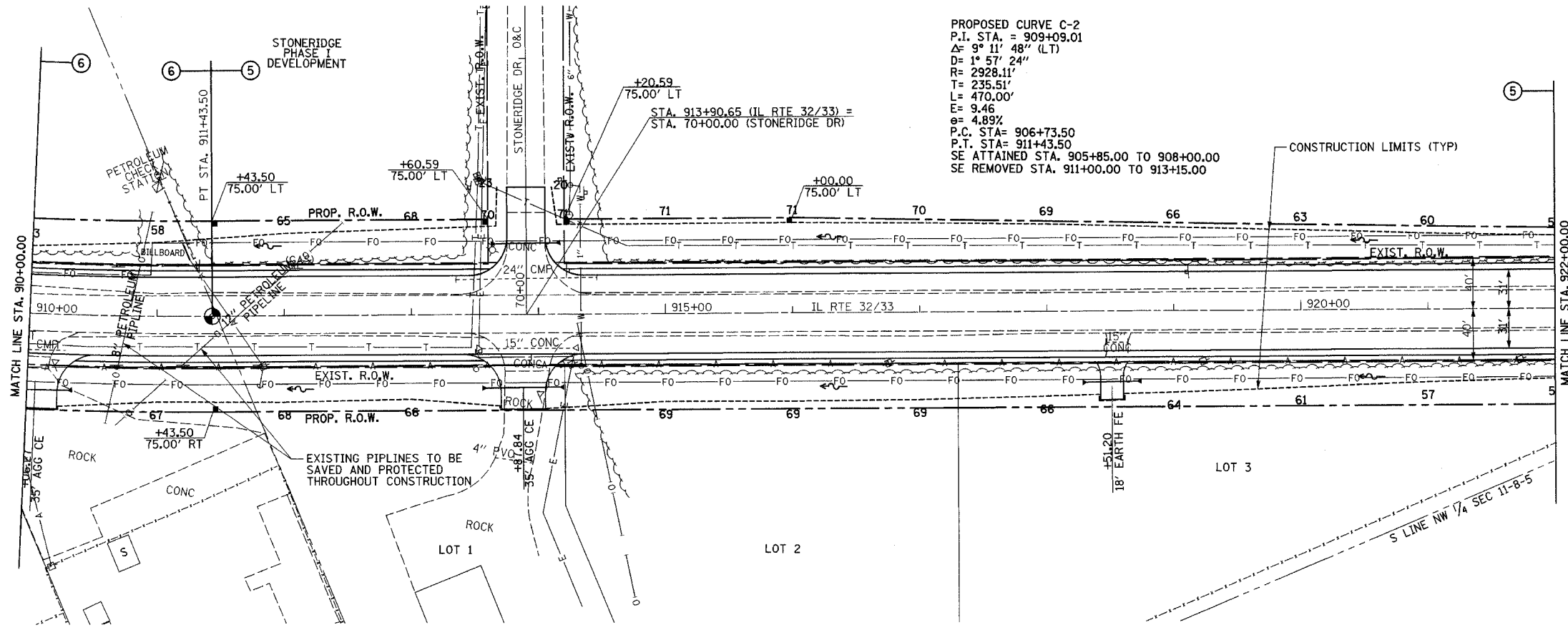
CONTRACT NO. 74130



PERMANENT SURVEY MARKER, TYPE I  
PT STA. 911+43.50 1 EACH

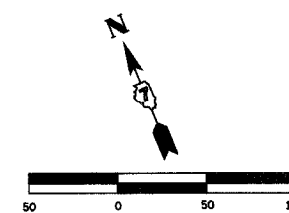
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SURVEYED		
DESIGNED		
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IN CHARGE		
NOTE BOOK NO.		
DATE FILED		

PROFILE	DATE	BY
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CHECKED		
IN CHARGE		
NOTE BOOK NO.		
DATE FILED		



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	40
STA. 922+00.00		TO STA. 934+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

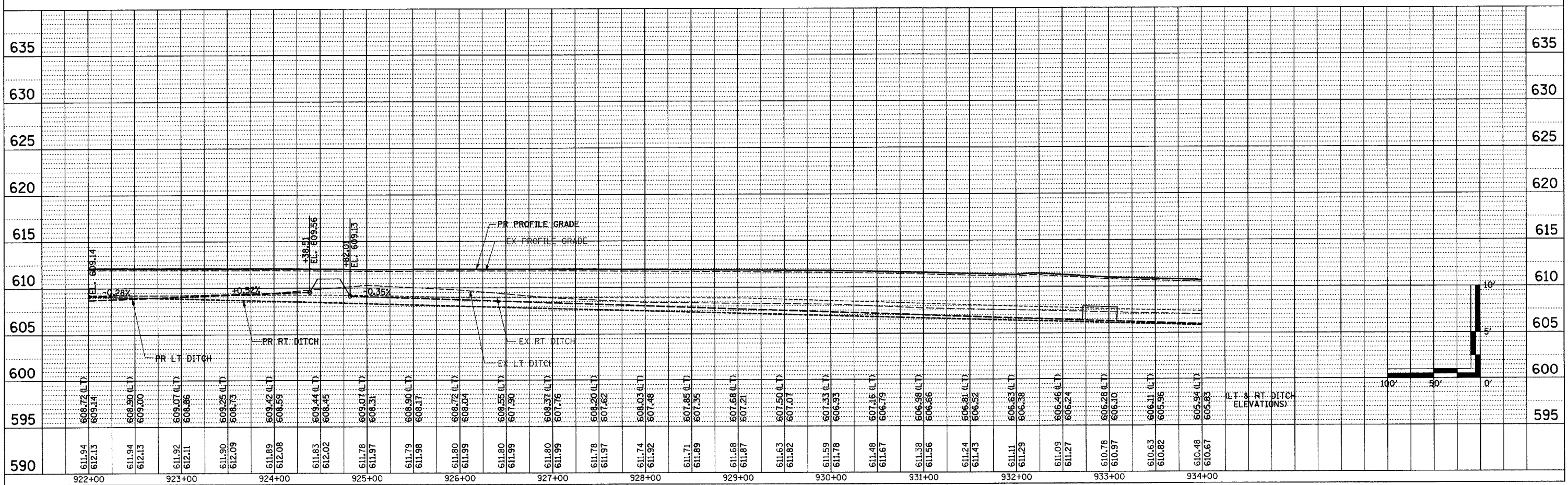
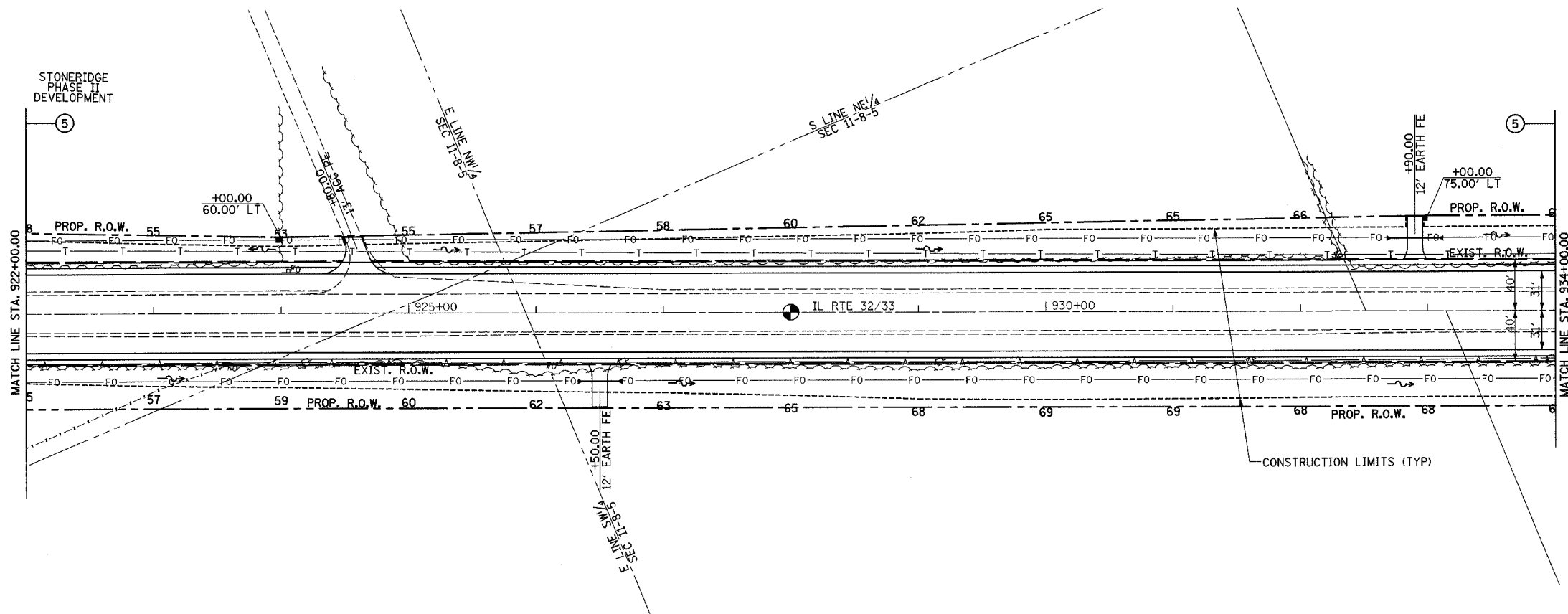
CONTRACT NO. 74130



PERMANENT SURVEY MARKERS, TYPE 1  
STA 928+00.00 1 EACH

PLAN	SURVEYED	BY	DATE
	NOTED		
	RECHECKED		
	BY		
	DATE		

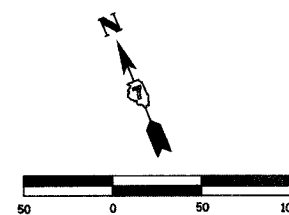
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	NOTED		
	RECHECKED		
	BY		
	DATE		



MAIN LINE SHEET 6 OF 7  
EFFINGHAM COUNTY

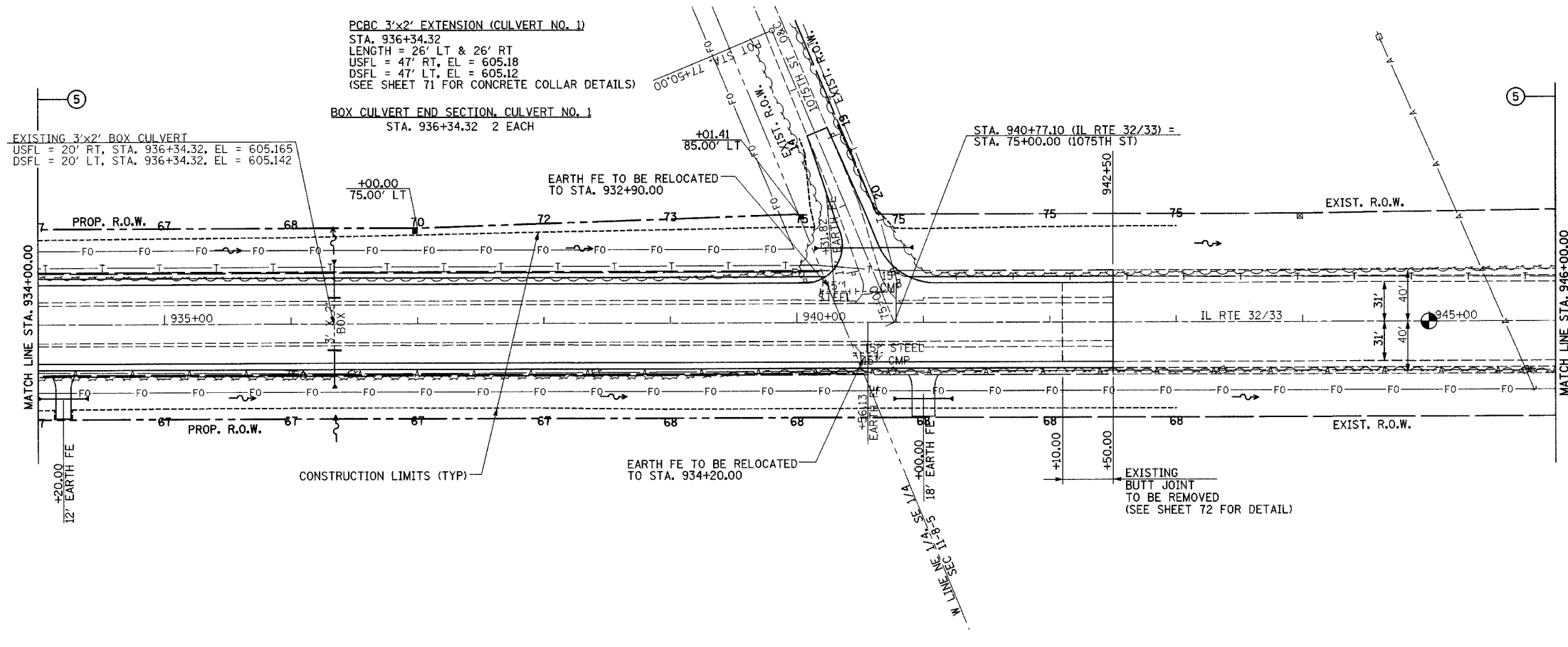
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	41
STA. 934+00.00		TO STA. 946+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

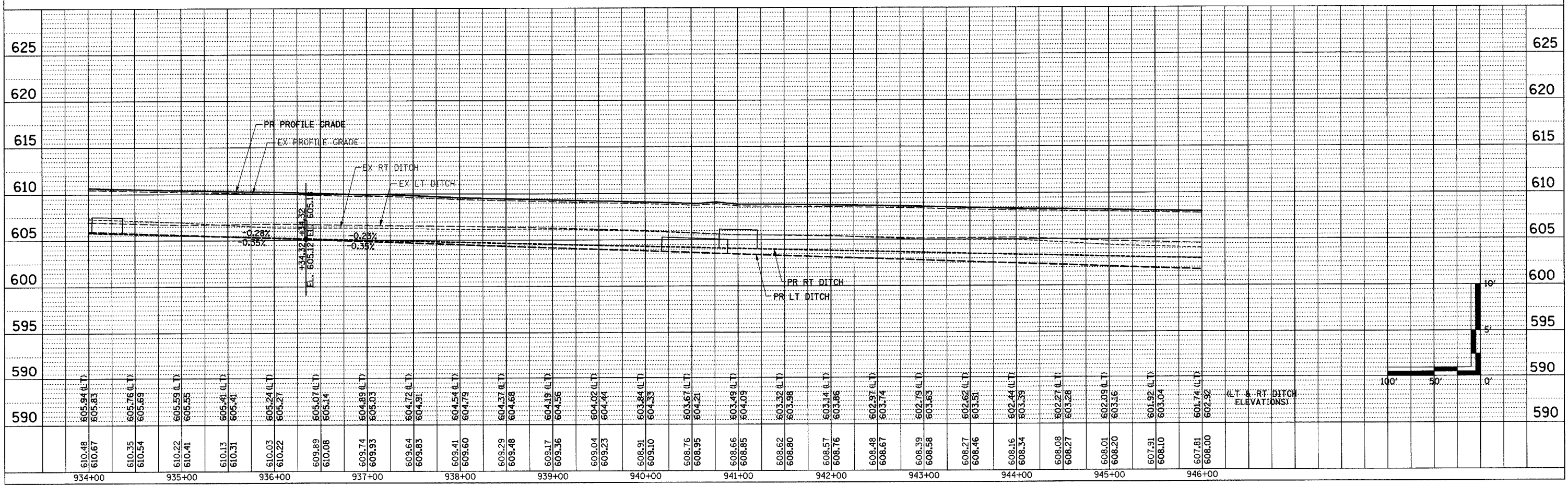


PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLotted		
	CHECKED		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLotted		
	CHECKED		
	BY		
	DATE		



BITUMINOUS SURFACE REMOVAL - BUTT JOINT  
STA 942+10.00 - STA. 942+55.00 310 SQ YD

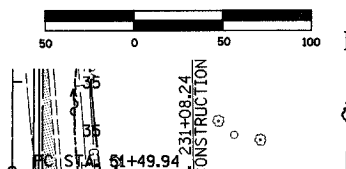


MAIN LINE SHEET 7 OF 7

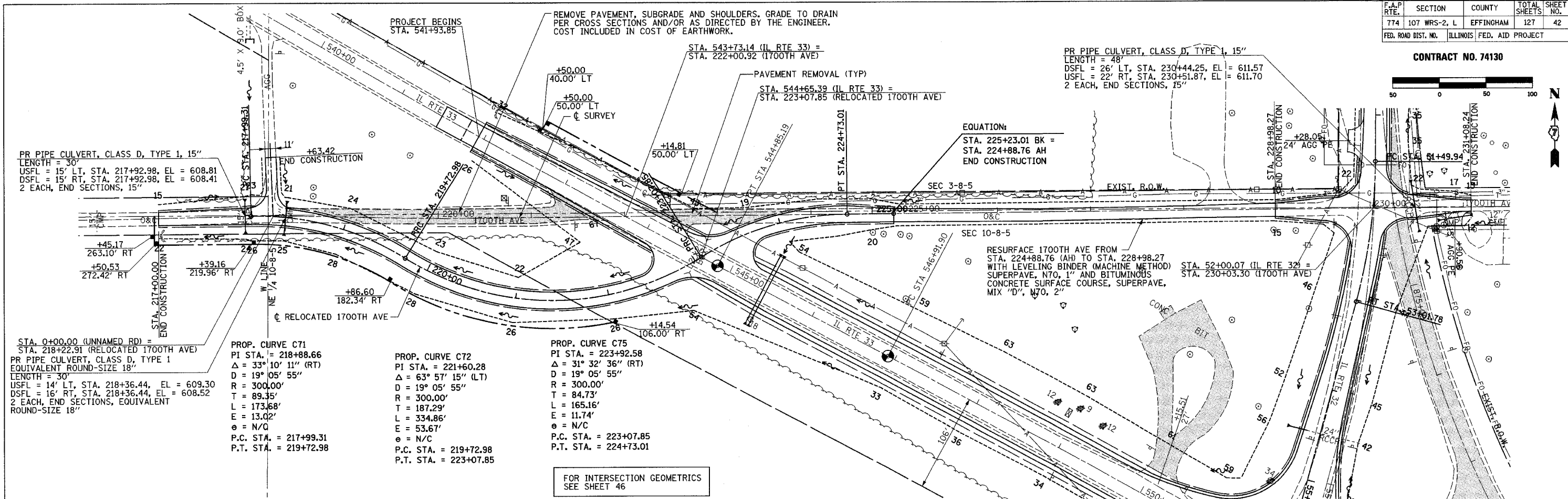


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	42
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

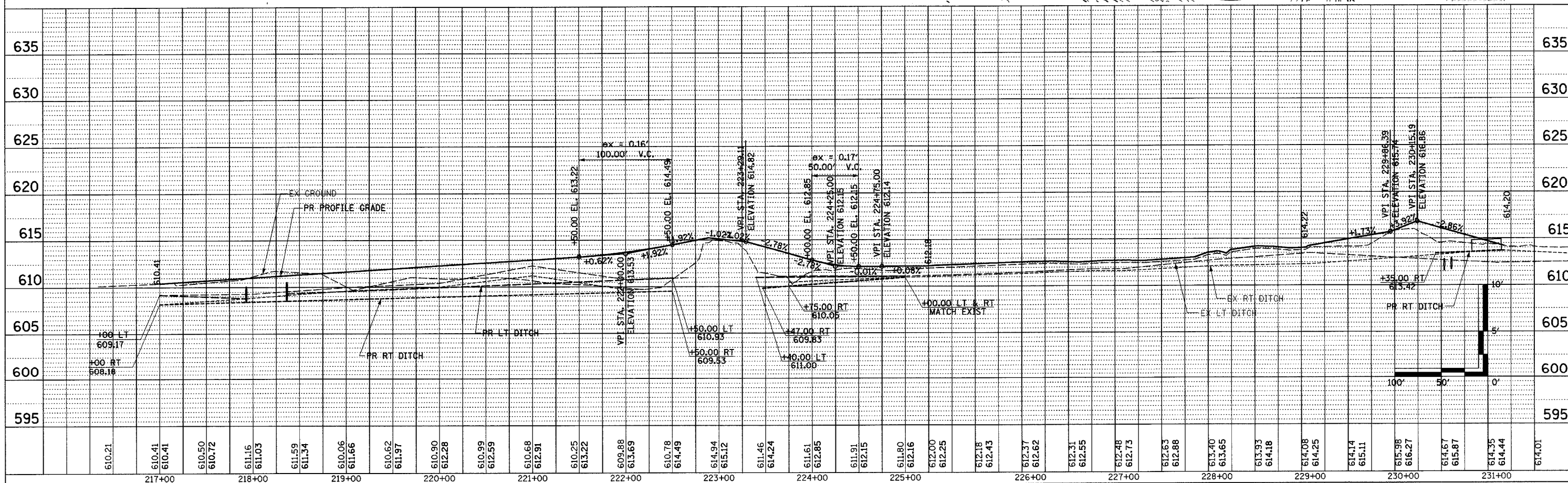
CONTRACT NO. 74130



PLAN	SURVEYED	DATE
	PLOTTED	
	RT. OF WAY CHECKED	
	PAID FILE NAME	
	NO.	



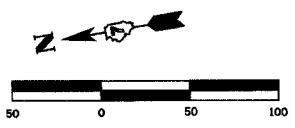
PROFILE	SURVEYED	DATE
	PLOTTED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	43
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130



BITUMINOUS SURFACE REMOVAL - BUTT JOINT  
STA. 49+90.00 - STA. 50+30.00 107 SO YD

REMOVE PAVEMENT, SUBGRADE AND SHOULDERS AS SCHEDULED.  
GRADE TO DRAIN PER CROSS SECTIONS AND/OR AS DIRECTED  
BY THE ENGINEER.

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	RT. OF WAY CHECKED		
	PAID FILE NAME		

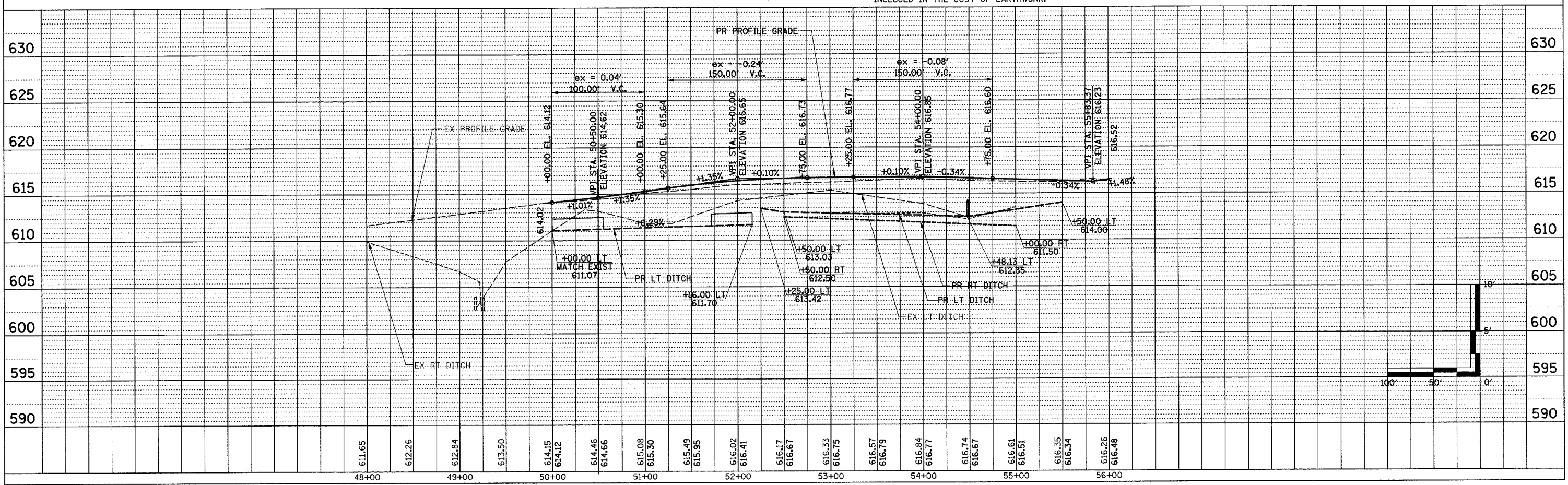
PROP. CURVE C92 (RT EOP)  
PI STA. = 10.01' RT 52+79.66  
 $\Delta = 13^\circ 08' 46''$  (RT)  
D = 6° 01' 52"  
R = 950.00'  
T = 109.47'  
L = 217.97'  
E = 6.29'  
P.C. STA. = 15.50' RT 51+67.70  
P.T. STA. = 15.33' RT 53+89.40

PROP. SPIRAL C92B (RT EOP)  
PI STA. = 12.00' RT 51+18.47  
 $\Delta = 4^\circ 25' 15.1''$  (RT)  
LS = 146.6  
R = 950'  
XS = 146.51'  
YS = 3.77'  
T.S. STA. = 12.00' RT 50+20.71  
S.C. STA. = 15.50' RT 51+67.70

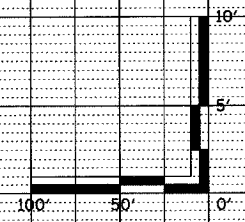
PIPE CULVERT, CLASS A, TYPE 1, 24" EXTENSION  
STA. 54+48.13, RT  
LENGTH = 18'  
DSFL = 32' RT, EL = 611.71  
1 EACH, PRC FLARED END SECTION, 24"  
(SEE SHEET 71 FOR CONCRETE COLLAR DETAILS)

PROP. CURVE C98  
PI STA. = 52+26.30  
 $\Delta = 14^\circ 59' 59''$  (RT)  
D = 9° 52' 43"  
R = 580.01'  
T = 76.36'  
L = 151.84'  
E = 5.00'  
 $\epsilon = 4.00\%$   
P.C. STA. = 51+49.94  
P.T. STA. = 53+01.78  
SE ATTAINED STA. 50+20.00 TO STA. 51+90.00  
SE REMOVED STA. 52+60.00 TO STA. 54+30.00

FOR IL RTE 32 PROPOSED  
EDGE OF PAVEMENT GEOMETRICS  
SEE SHEET NO 46 & 47



PROFILE	SURVEYED	BY	DATE
	NOTED		
	STRUCTURE NOTATION'S DRPO		



BITUMINOUS SURFACE REMOVAL - BUTT JOINT  
 STA. 60+00.00 - STA. 60+40.00 93 SQ YD

MH TY A, 4' Ø TIE OPEN LID  
 STA. 61+70.00, 28' LT  
 TL = 602.50  
 R = 599.00

PR PIPE CULVERT, CLASS A, TYPE 1, 36"  
 LENGTH = 128'  
 USFL = 49' LT, STA. 63+51.44, EL = 599.63  
 DSFL = 79' RT, STA. 63+03.02, EL = 598.30  
 2 EACH, PRC FLARED END SECTION, 36"

PR PIPE CULVERT, CLASS A, TYPE 1 24"  
 LENGTH = 95'  
 USFL = 28' LT, STA. 60+75.00, EL = 601.42  
 DSFL = 28' LT, STA. 61+70.00, EL = 599.10  
 1 EACH, PRC FLARED END SECTION, 24"

EXIST. CURVE TR116A  
 PI STA. = 66+50.52  
 $\Delta = 33^\circ 30' 40''$  (LT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 75.00'$   
 $L = 145.70'$   
 $E = 11.05'$   
 $e = N/C$   
 P.C. STA. = 65+75.52  
 P.T. STA. = 67+21.22

EXIST. CURVE C8  
 PI STA. = 63+14.03  
 $\Delta = 20^\circ 33' 39''$  (RT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 45.18'$   
 $L = 89.39'$   
 $E = 4.06'$   
 $e = N/C$   
 P.C. STA. = 62+68.85  
 P.T. STA. = 63+58.24

PR PIPE CULVERT, CLASS A, TYPE 1 24"  
 LENGTH = 70'  
 USFL = 28' LT, STA. 61+70.00, EL = 599.00  
 DSFL = 42' RT, STA. 61+70.00, EL = 598.84  
 1 EACH, PRC FLARED END SECTION, 24"

COMBINATION CONCRETE CURB  
 AND GUTTER, TYPE B-6.24

CONCRETE MEDIAN,  
 TYPE SM-6.24

PR PIPE CULVERT, TYPE 1 REINFORCED CONCRETE-ELLIPTICAL,  
 EQUIVALENT ROUND-SIZE 27"  
 LENGTH = 105'  
 USFL = 65' LT, STA. 65+75.00, EL = 600.94  
 DSFL = 40' RT, STA. 65+45.00, EL = 600.41  
 2 EACH, PRC FLARED END SECTION, ELLIPTICAL EQUIVALENT ROUND-SIZE 27"

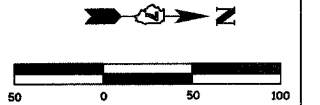
STA. 65+00.00 (1000TH ST) =  
 STA. 896+43.01 (IL RTE 32/33)  
 STA. 64+00.00 (LAKE SARA RD) =  
 STA. 896+48.57 (IL RTE 32/33)

EXIST. CURVE TR116B  
 PI STA. = 68+94.08  
 $\Delta = 17^\circ 57' 11''$  (RT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 39.35'$   
 $L = 78.06'$   
 $E = 3.09'$   
 $e = N/C$   
 P.C. STA. = 68+54.73  
 P.T. STA. = 69+32.78

FOR INTERSECTION GEOMETRICS  
 SEE SHEET 48

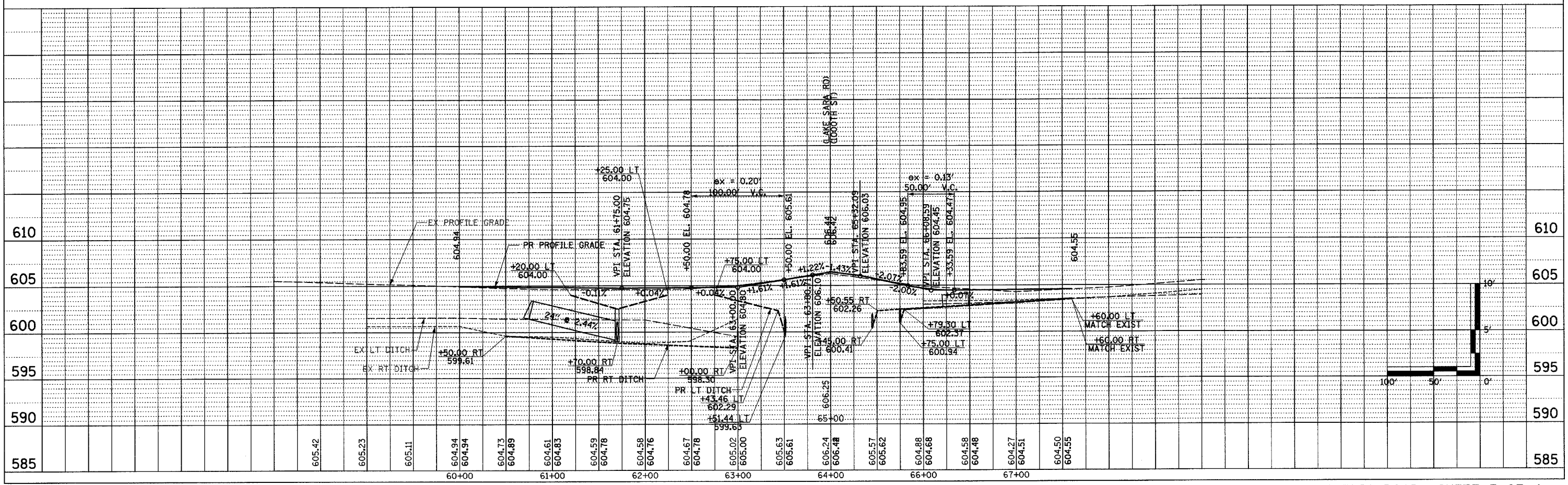
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	44
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130



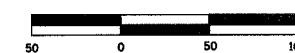
PLAN	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	IN CHARGE		
	DATE		

PROFILE	SURVEYED	BY	DATE
	DESIGNED		
	CHECKED		
	IN CHARGE		
	DATE		



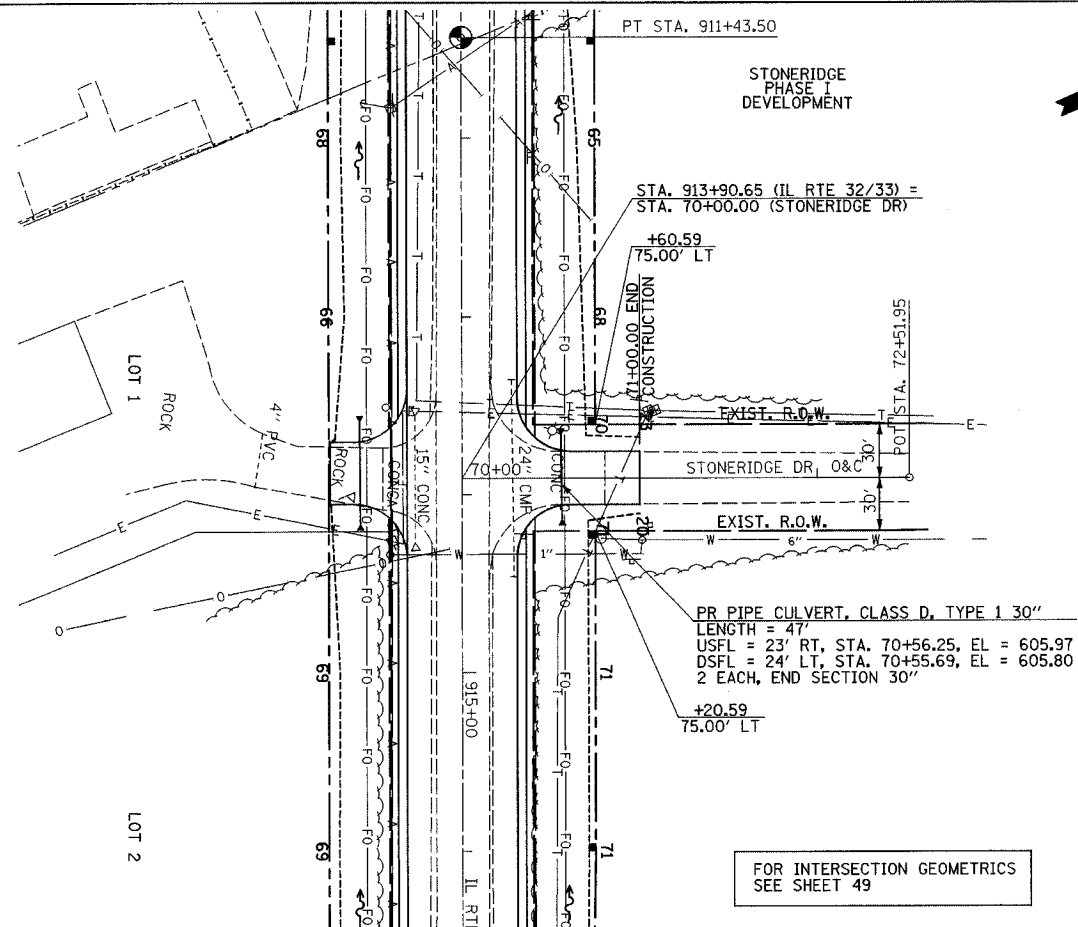
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	45
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

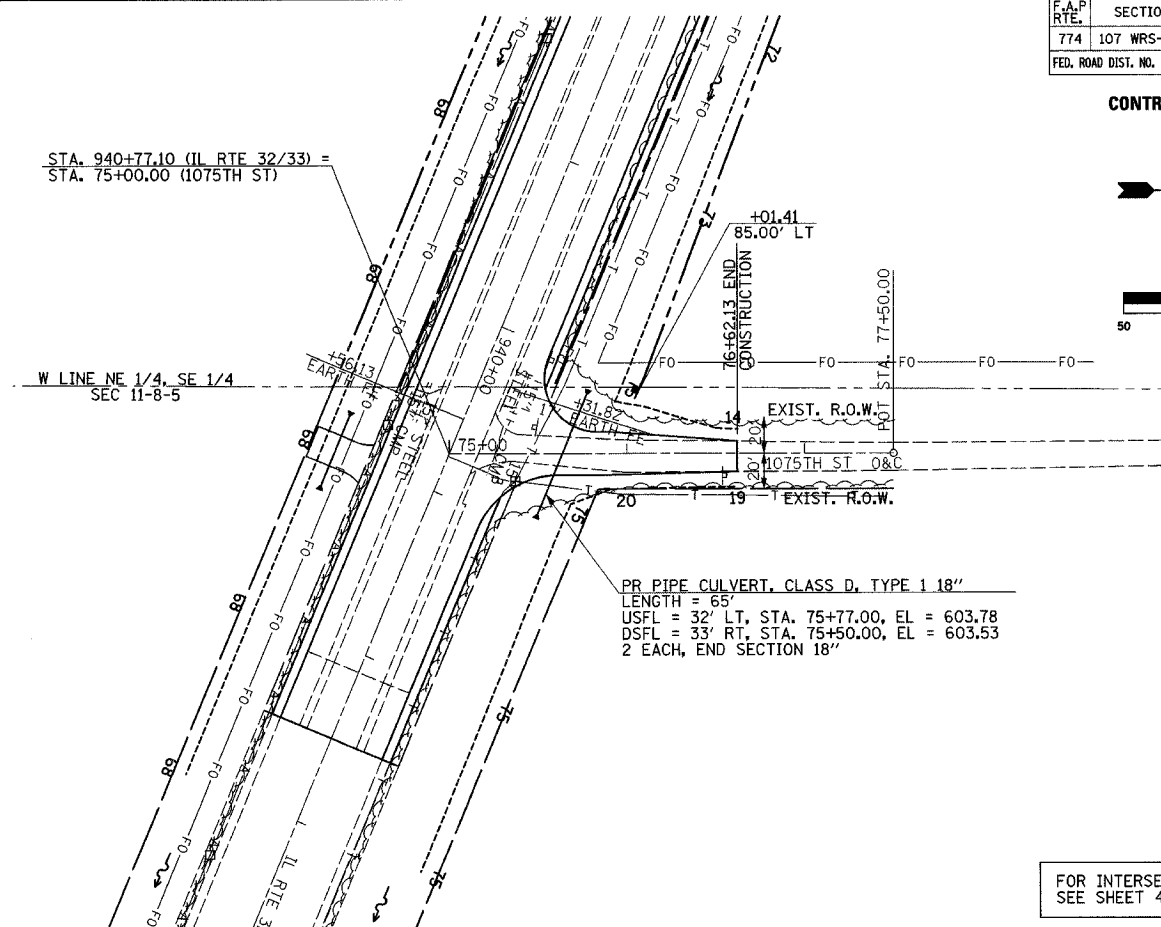


PLAN	DATE
BY	
CHECKED	
DATE	
NO.	

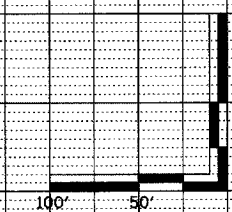
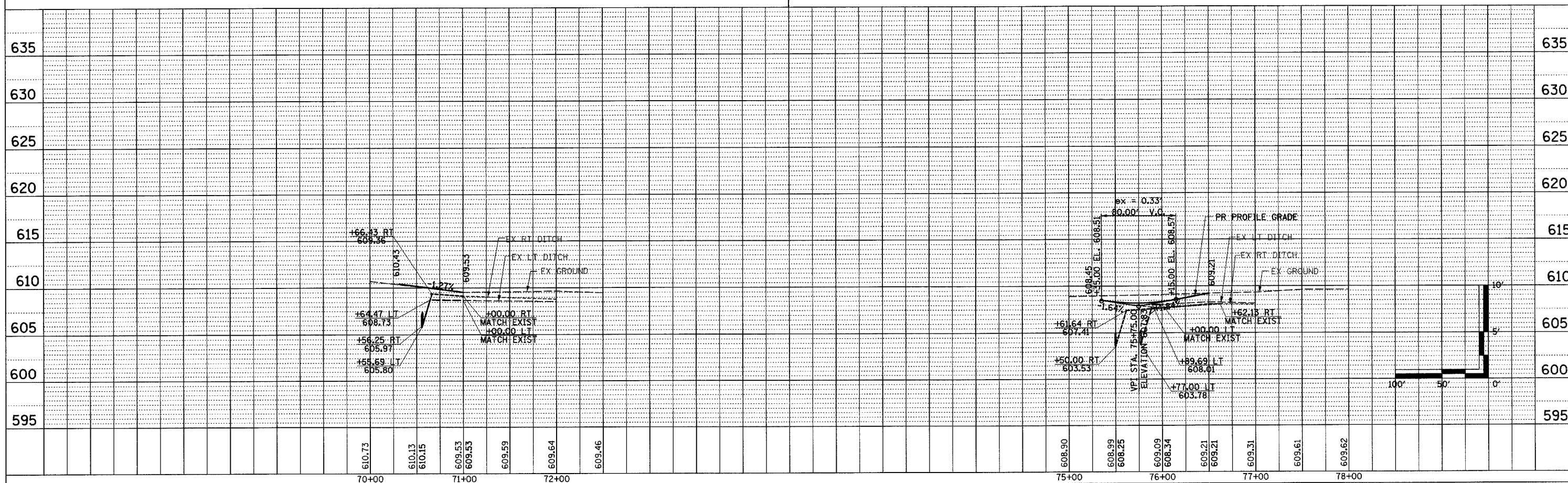
PROFILE	DATE
BY	
CHECKED	
DATE	
NO.	



FOR INTERSECTION GEOMETRICS  
SEE SHEET 49



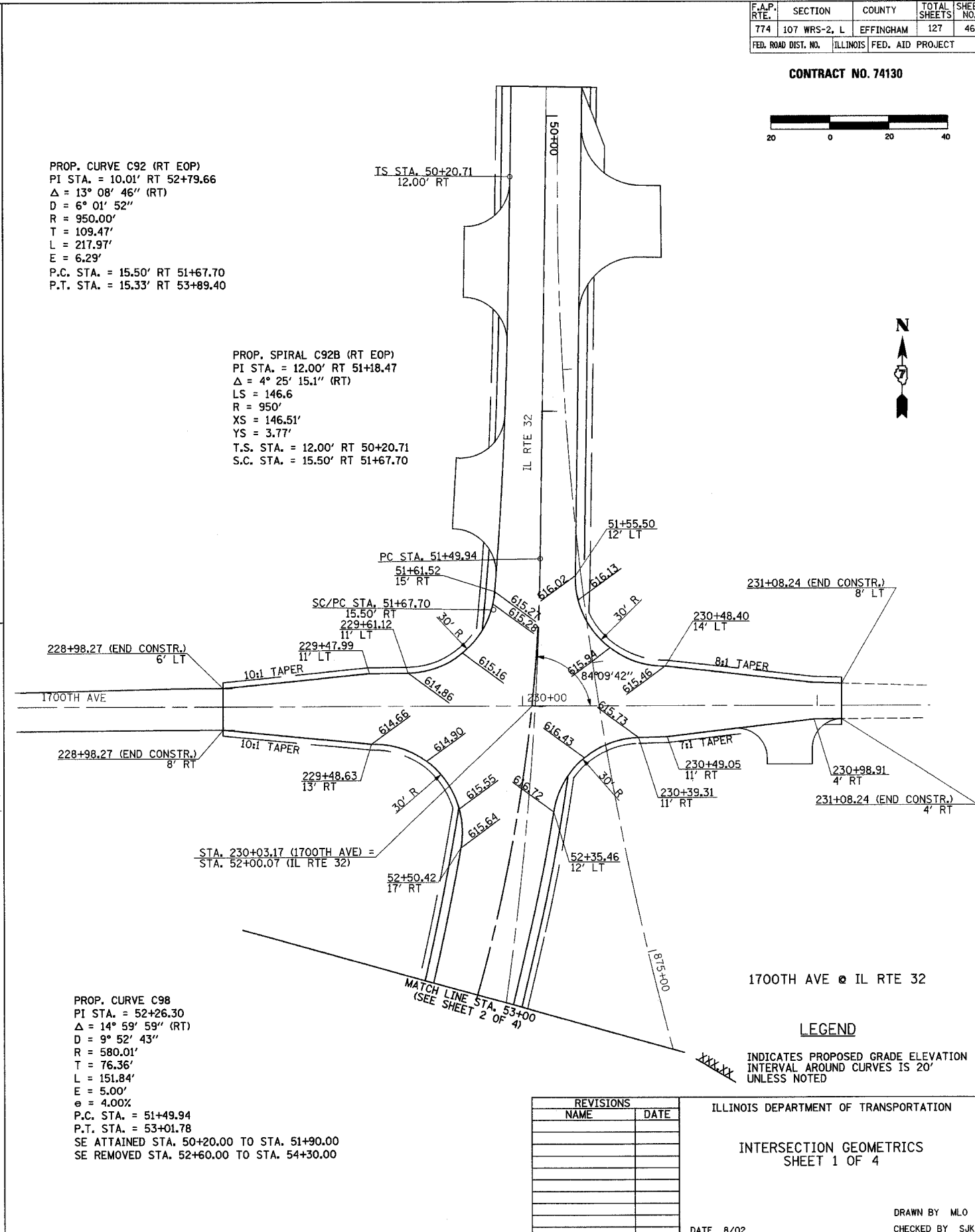
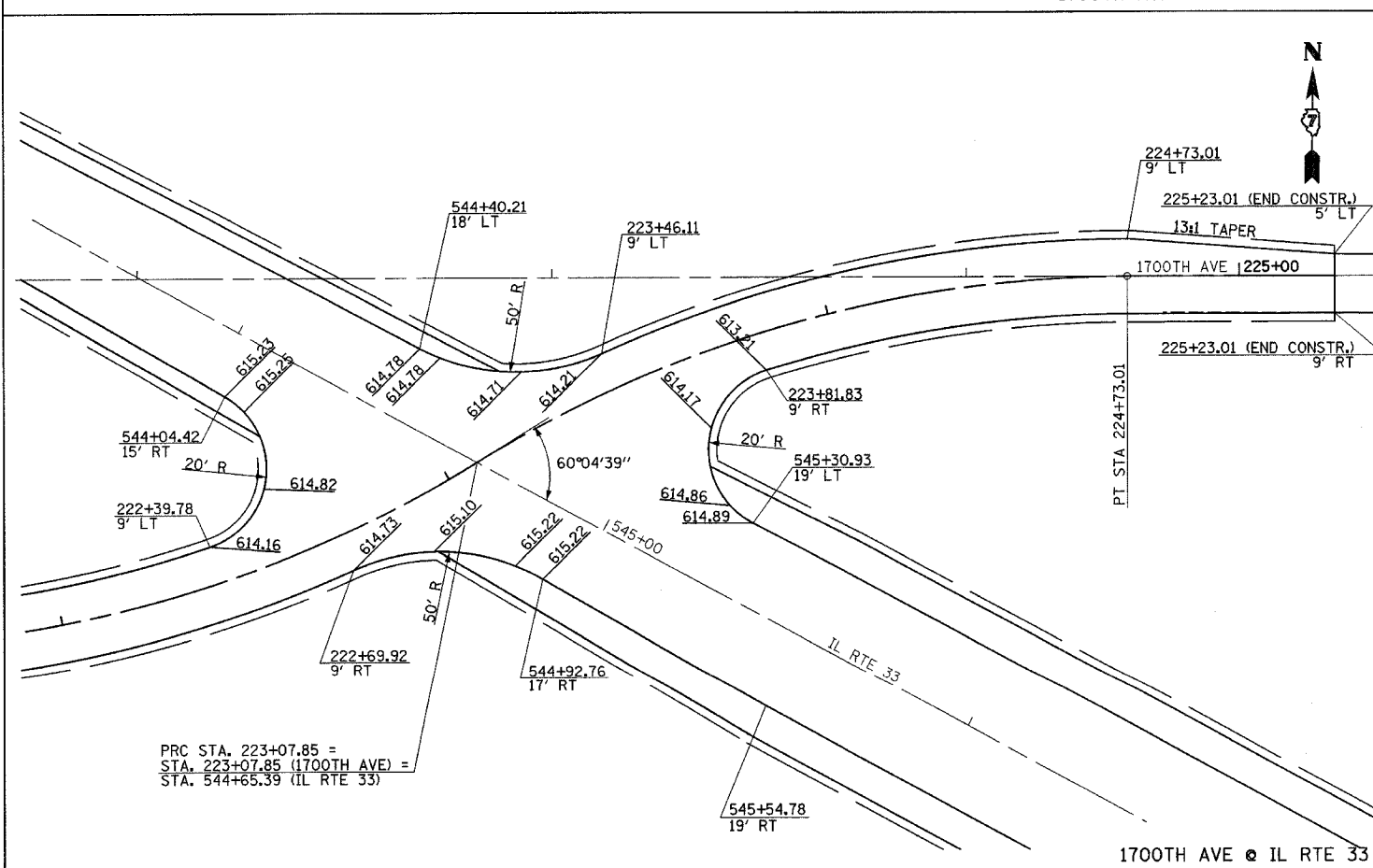
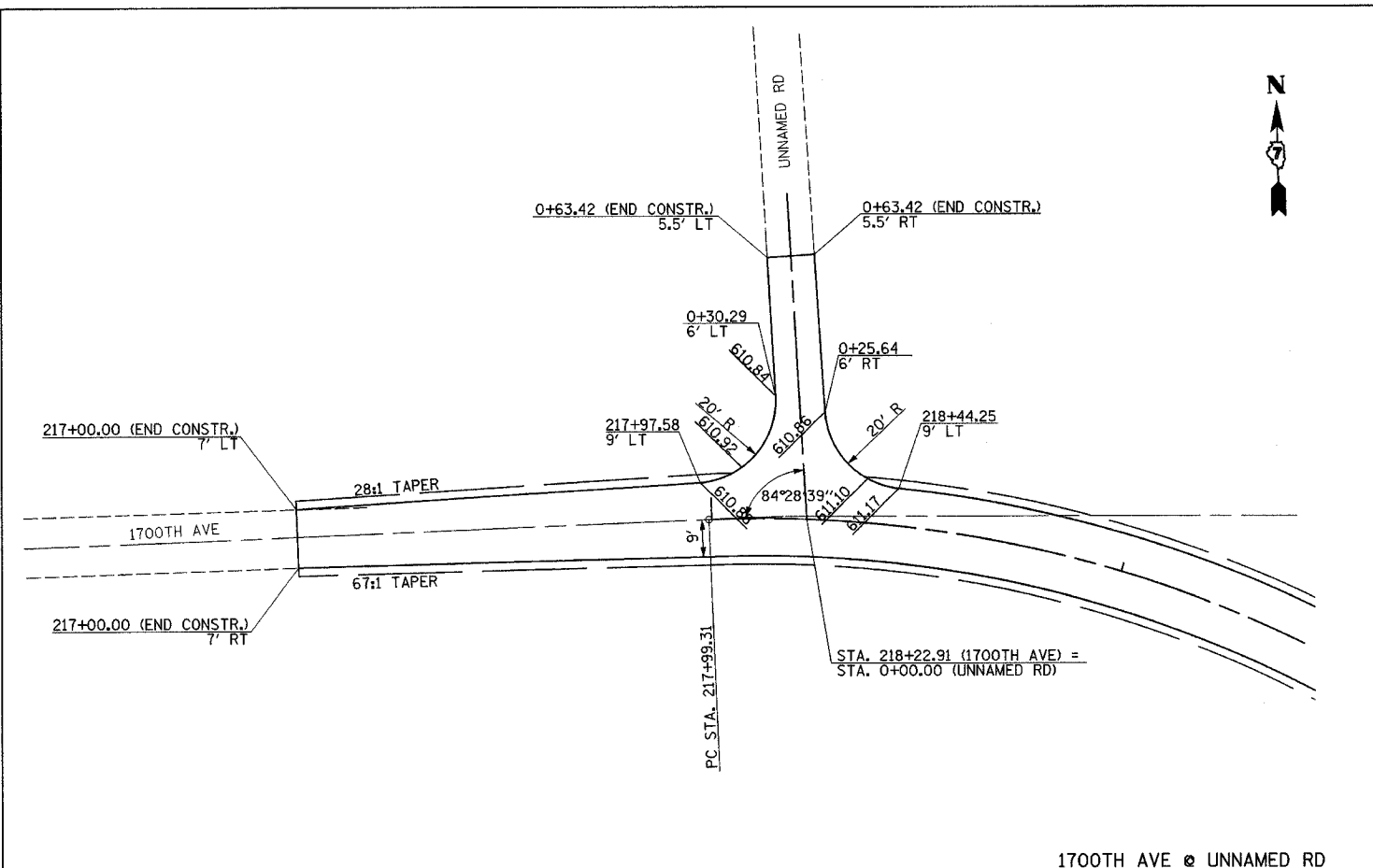
FOR INTERSECTION GEOMETRICS  
SEE SHEET 49



STONERIDGE & 1075TH ST PUBLIC ROAD SHEET 4 OF 4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	46
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



PROP. CURVE C92 (RT EOP)  
 PI STA. = 10.01' RT 52+79.66  
 $\Delta = 13^\circ 08' 46''$  (RT)  
 $D = 6^\circ 01' 52''$   
 $R = 950.00'$   
 $T = 109.47'$   
 $L = 217.97'$   
 $E = 6.29'$   
 P.C. STA. = 15.50' RT 51+67.70  
 P.T. STA. = 15.33' RT 53+89.40

PROP. SPIRAL C92B (RT EOP)  
 PI STA. = 12.00' RT 51+18.47  
 $\Delta = 4^\circ 25' 15.1''$  (RT)  
 $LS = 146.6$   
 $R = 950'$   
 $XS = 146.51'$   
 $YS = 3.77'$   
 T.S. STA. = 12.00' RT 50+20.71  
 S.C. STA. = 15.50' RT 51+67.70

PROP. CURVE C98  
 PI STA. = 52+26.30  
 $\Delta = 14^\circ 59' 59''$  (RT)  
 $D = 9^\circ 52' 43''$   
 $R = 580.01'$   
 $T = 76.36'$   
 $L = 151.84'$   
 $E = 5.00'$   
 $e = 4.00\%$   
 P.C. STA. = 51+49.94  
 P.T. STA. = 53+01.78  
 SE ATTAINED STA. 50+20.00 TO STA. 51+90.00  
 SE REMOVED STA. 52+60.00 TO STA. 54+30.00

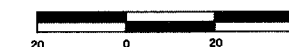
LEGEND  
 INDICATES PROPOSED GRADE ELEVATION INTERVAL AROUND CURVES IS 20' UNLESS NOTED

REVISIONS	
NAME	DATE

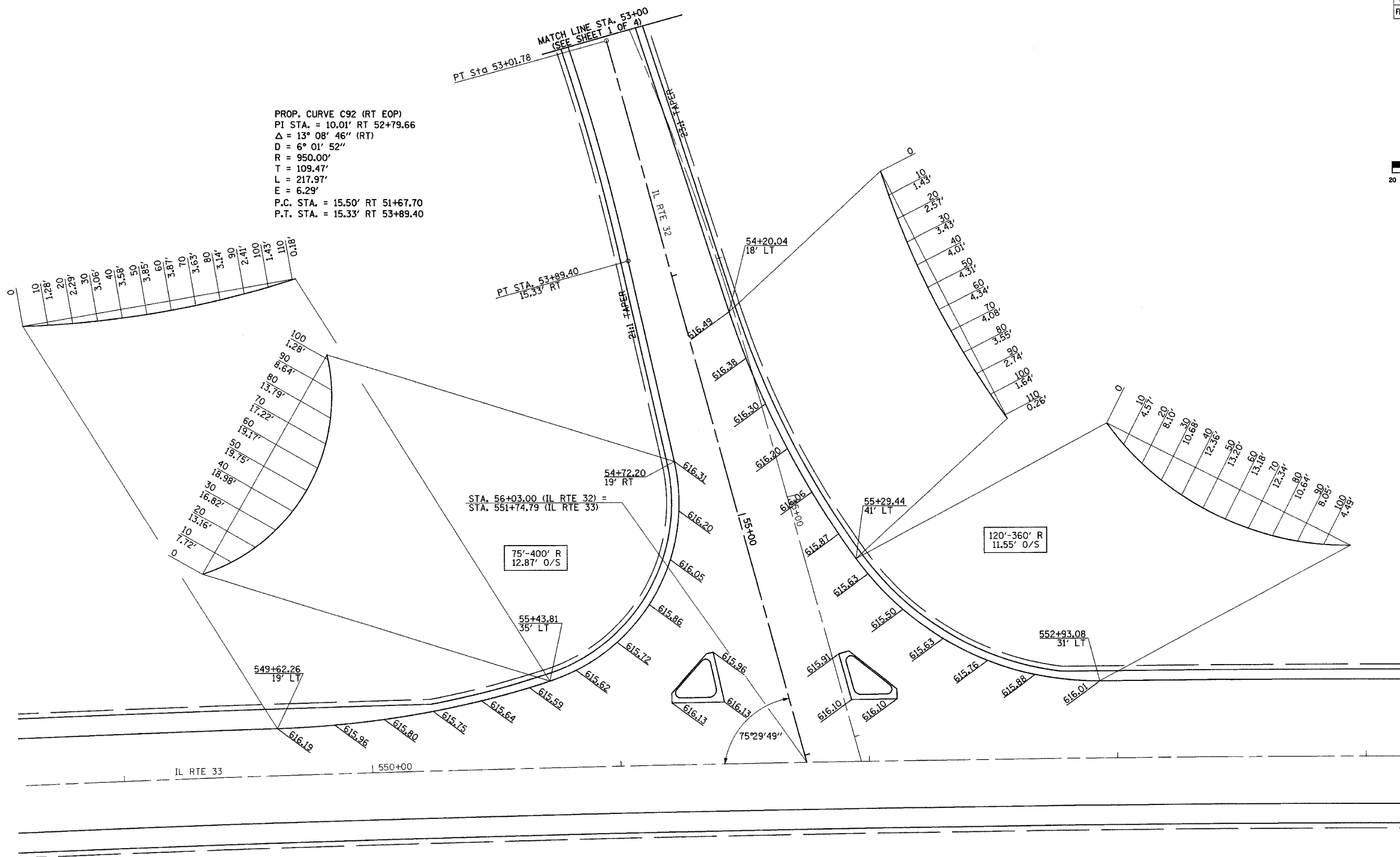
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 1 OF 4  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	47
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



PROP. CURVE C92 (RT EOP)  
 PI STA. = 10.01' RT 52+79.66  
 $\Delta = 13^\circ 08' 46''$  (RT)  
 $D = 6^\circ 01' 52''$   
 $R = 950.00'$   
 $T = 109.47'$   
 $L = 217.97'$   
 $E = 6.29'$   
 P.C. STA. = 15.50' RT 51+67.70  
 P.T. STA. = 15.33' RT 53+89.40



LEGEND

xxx.xx INDICATES PROPOSED GRADE ELEVATION INTERVAL AROUND CURVES IS 20' UNLESS NOTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 2 OF 4

IL RTE 32

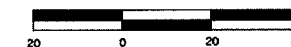
DATE 8/02

DRAWN BY MLO  
 CHECKED BY SJK



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	48
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



PROP. CURVE TR116A  
 PI STA. = 66+50.52  
 $\Delta = 33^\circ 30' 40''$  (LT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 75.00'$   
 $L = 145.70'$   
 $E = 11.05'$   
 $e = N/C$   
 P.C. STA. = 65+75.52  
 P.T. STA. = 67+21.22

PROP. CURVE C8  
 PI STA. = 63+14.03  
 $\Delta = 20^\circ 33' 39''$  (RT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 45.18'$   
 $L = 89.39'$   
 $E = 4.06'$   
 $e = N/C$   
 P.C. STA. = 62+68.85  
 P.T. STA. = 63+58.24

LEGEND

XXXXX INDICATES PROPOSED GRADE ELEVATION INTERVAL AROUND CURVES IS 20' UNLESS NOTED

REVISIONS	
NAME	DATE

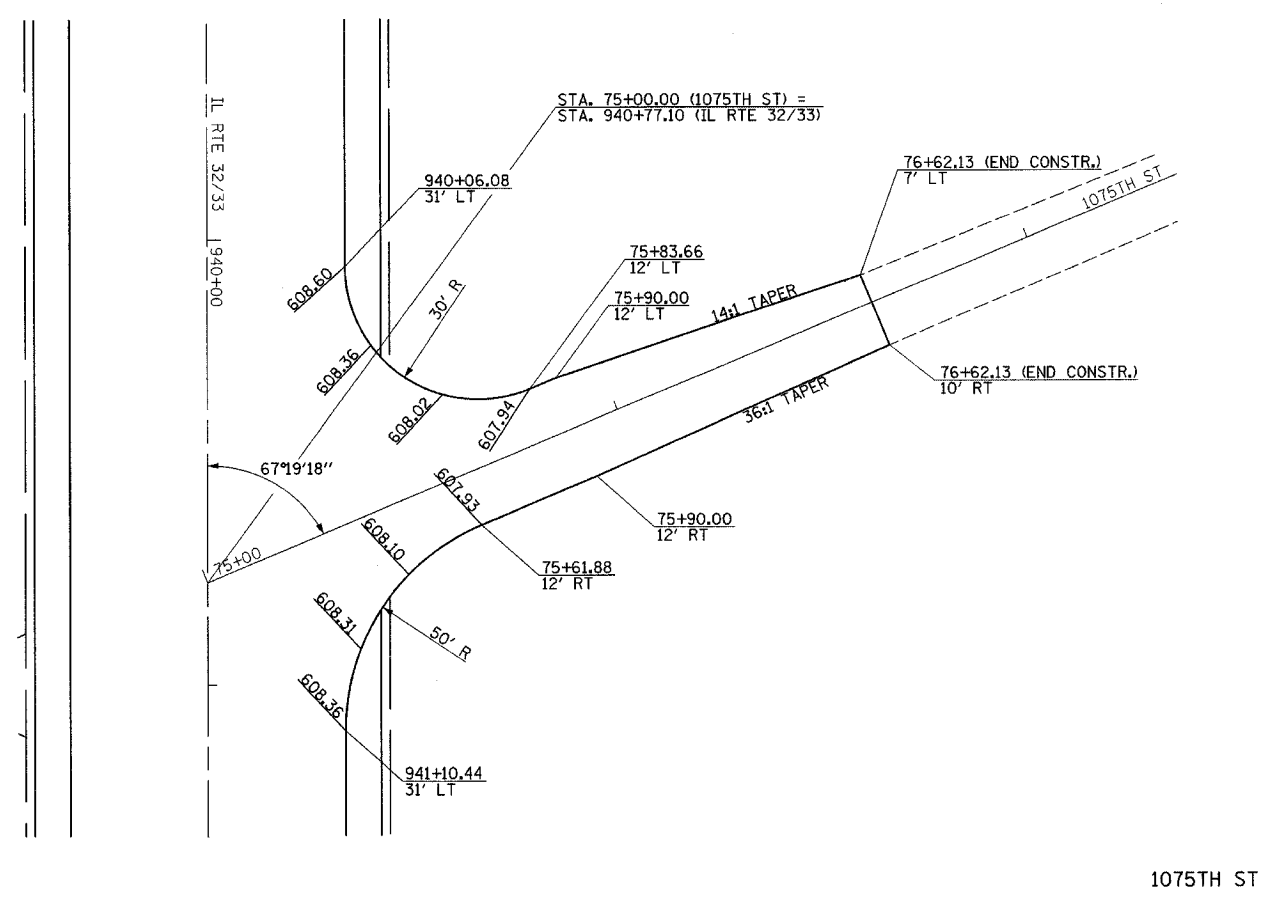
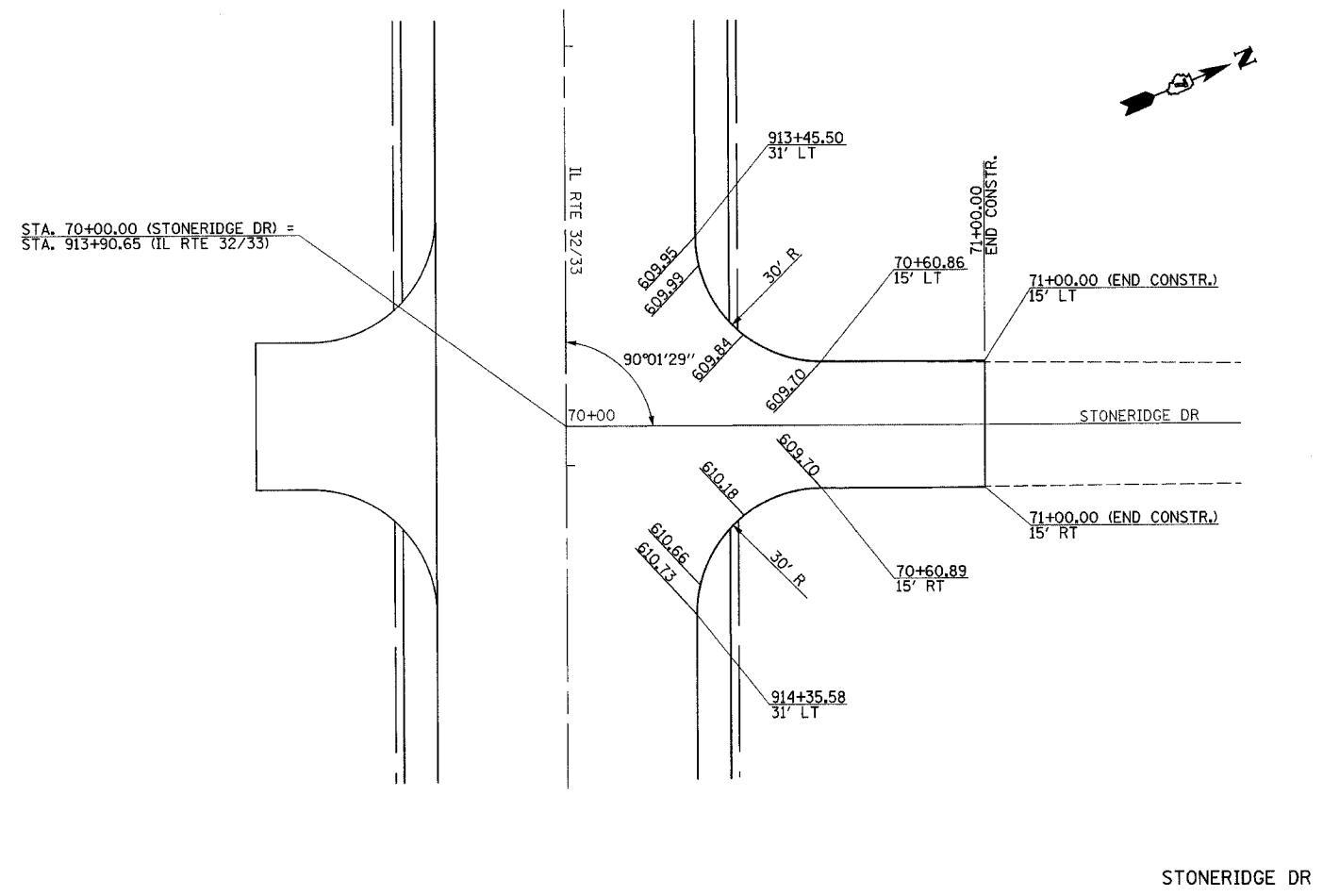
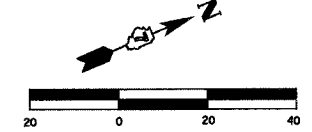
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 3 OF 4

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

LAKE SARA RD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	49
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



LEGEND

INDICATES PROPOSED GRADE ELEVATION INTERVAL AROUND CURVES IS 20' UNLESS NOTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
INTERSECTION GEOMETRICS  
SHEET 4 OF 4

DATE 8/02  
DRAWN BY MLO  
CHECKED BY SJK

CONTRACT NO. 74130

LOCATION	EPOXY PAVEMENT MARKING							RAISED REFLECTIVE PAVEMENT MARKERS		
	LETTERS AND SYMBOLS	YELLOW 4"	WHITE 4"	WHITE 6"	YELLOW 12"	WHITE 12"	WHITE 24"	ONE WAY CRYSTAL	ONE WAY AMBER	TWO WAY AMBER
STATION TO STATION	SQ. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH
☺ 541+93 TO ☺ 552+14		2660			153			8	31	16
RT 541+93 TO RT 552+14			1257							
LT 541+93 TO LT 552+14			850							
☺ 548+35	15.6 (TURN ARROW)									
☺ 549+00	15.6 (TURN ARROW)									
☺ 549+65	15.6 (TURN ARROW)									
☺ 550+30	15.6 (TURN ARROW)									
☺ 550+97	15.6 (TURN ARROW)									
☺ 552+14 TO ☺ 896+98		6614			899			46	73	16
RT 552+14 TO RT 896+98			2067							
LT 552+14 TO LT 896+98			1951	303						
☺ 555+40	20.8 (ONLY)									
☺ 555+16	15.6 (TURN ARROW)									
☺ 554+38	20.8 (ONLY)									
☺ 554+14	15.6 (TURN ARROW)									
☺ 553+35	20.8 (ONLY)									
☺ 553+11	15.6 (TURN ARROW)									
☺ 893+10	15.6 (TURN ARROW)									
☺ 893+75	15.6 (TURN ARROW)									
☺ 894+40	15.6 (TURN ARROW)									
☺ 895+05	15.6 (TURN ARROW)									
☺ 895+72	15.6 (TURN ARROW)									
☺ 896+98 TO ☺ 914+31		4470						88	68	16
RT 896+98 TO RT 914+31			1711	410						
LT 896+98 TO LT 914+31			1926	420						
☺ 897+16	15.6 (TURN ARROW)									
☺ 897+83	15.6 (TURN ARROW)									
☺ 898+48	15.6 (TURN ARROW)									
☺ 899+13	15.6 (TURN ARROW)									
☺ 899+78	15.6 (TURN ARROW)									
☺ 904+30	31.2 (2WLT)									
☺ 907+30	31.2 (2WLT)									
☺ 910+30	31.2 (2WLT)									
☺ 913+30	31.2 (2WLT)									
☺ 914+31 TO ☺ 941+06		10010			1525			132	130	
RT 914+31 TO RT 941+06			2675	670						
LT 914+31 TO LT 941+06			2570	650						
☺ 914+70	31.2 (2WLT)									
☺ 941+06 TO ☺ 952+00		4391			720			54	54	
RT 941+06 TO RT 952+00			1094	365						
LT 941+06 TO LT 952+00			1094	365						
ROUTE 32										
☺ 49+90 TO ☺ 56+06		1128			225				15	4
RT 49+90 TO RT 56+06			502	189		113	31			
LT 49+90 TO LT 56+06			578	217		99				
LAKE SARA ROAD										
☺ 60+00 TO ☺ 63+79		794			39		12			2
RT 60+00 TO RT 63+79			193	390		178				
☺ 61+92	15.6 (TURN ARROW)									
☺ 62+72	15.6 (TURN ARROW)									
TOTALS	530.4	30067	18468	3979	3561	390	43	328	371	54
GRAND TOTALS	530.4	48535		3979	3951		43		753	

•DGN-SPEC•  
•DATE•

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PAVEMENT MARKING SCHEDULE PAVEMENT MARKING PLAN SHEET 1 OF 5

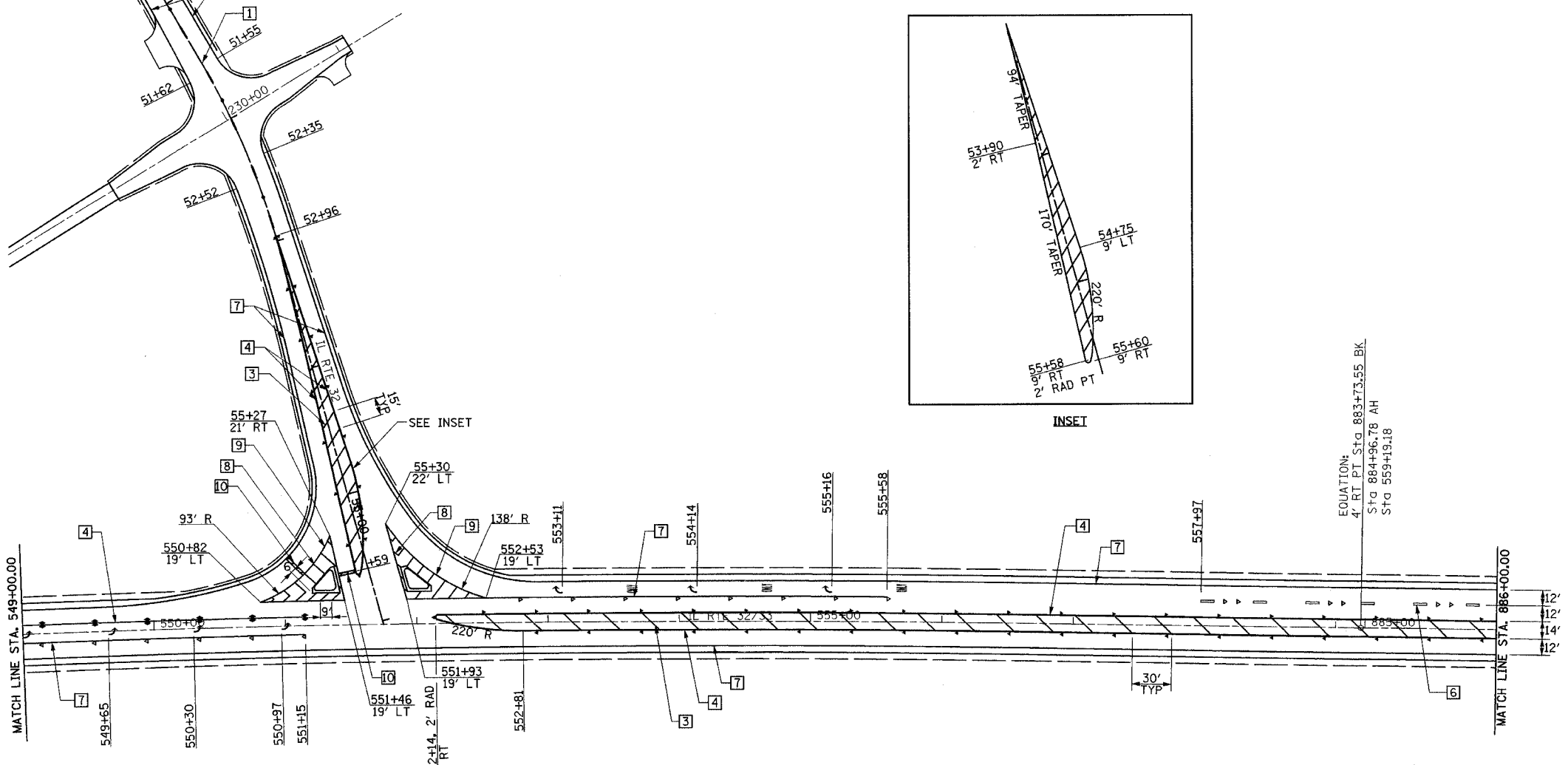
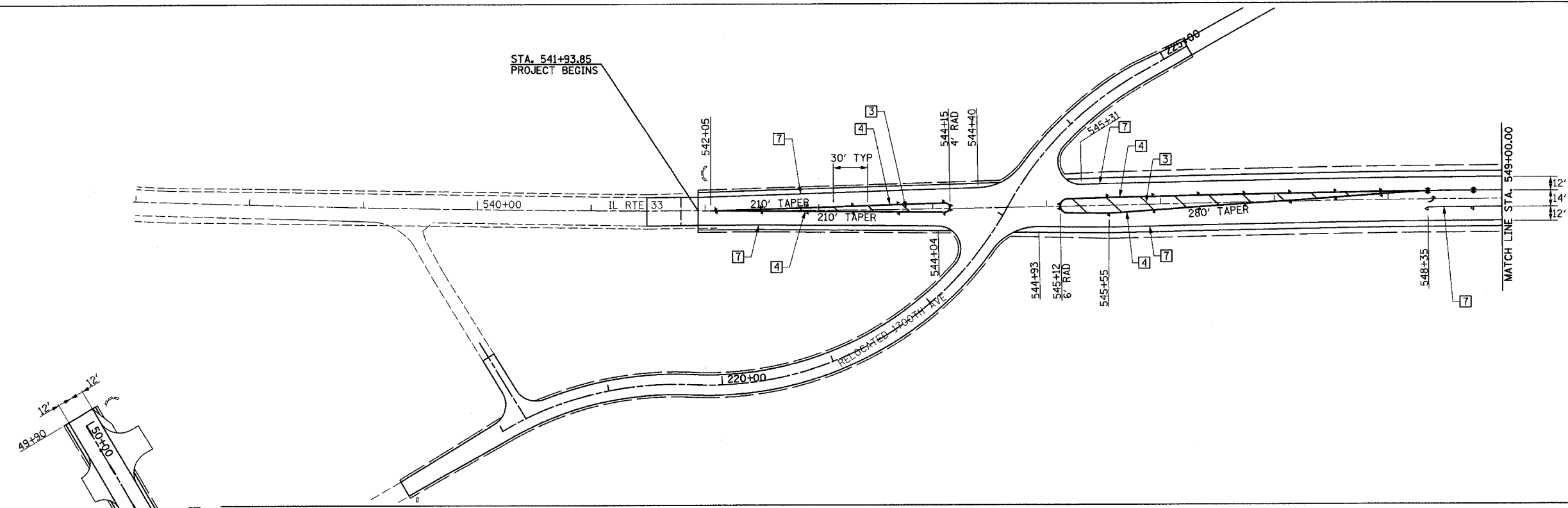
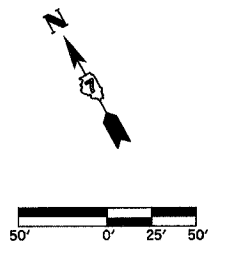
DRAWN BY NJV  
CHECKED BY RMD

DATE 3/03



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	51
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



- LEGEND**
- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
  - RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
  - RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
  - ITEM [4] DOUBLE YELLOW (NARROW)
  - ITEM [5] DOUBLE YELLOW (WIDE)

- TYPICAL PAVEMENT MARKING LEGEND**
- [1] 4" SKIP-DASH YELLOW
  - [2] 4" SOLID YELLOW
  - [3] 12" DIAGONAL YELLOW
  - [4] 4" DOUBLE YELLOW NARROW
  - [5] 4" DOUBLE YELLOW WIDE
  - [6] 6" SKIP-DASH WHITE
  - [7] 4" SOLID WHITE
  - [8] 12" DIAGONAL WHITE
  - [9] 6" SOLID WHITE
  - [10] 24" STOP BAR WHITE

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

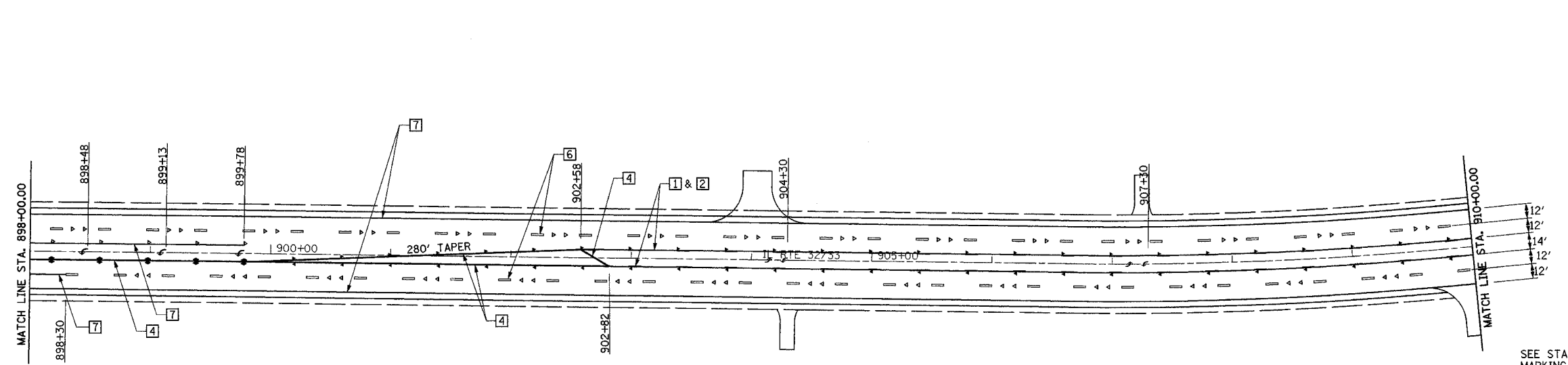
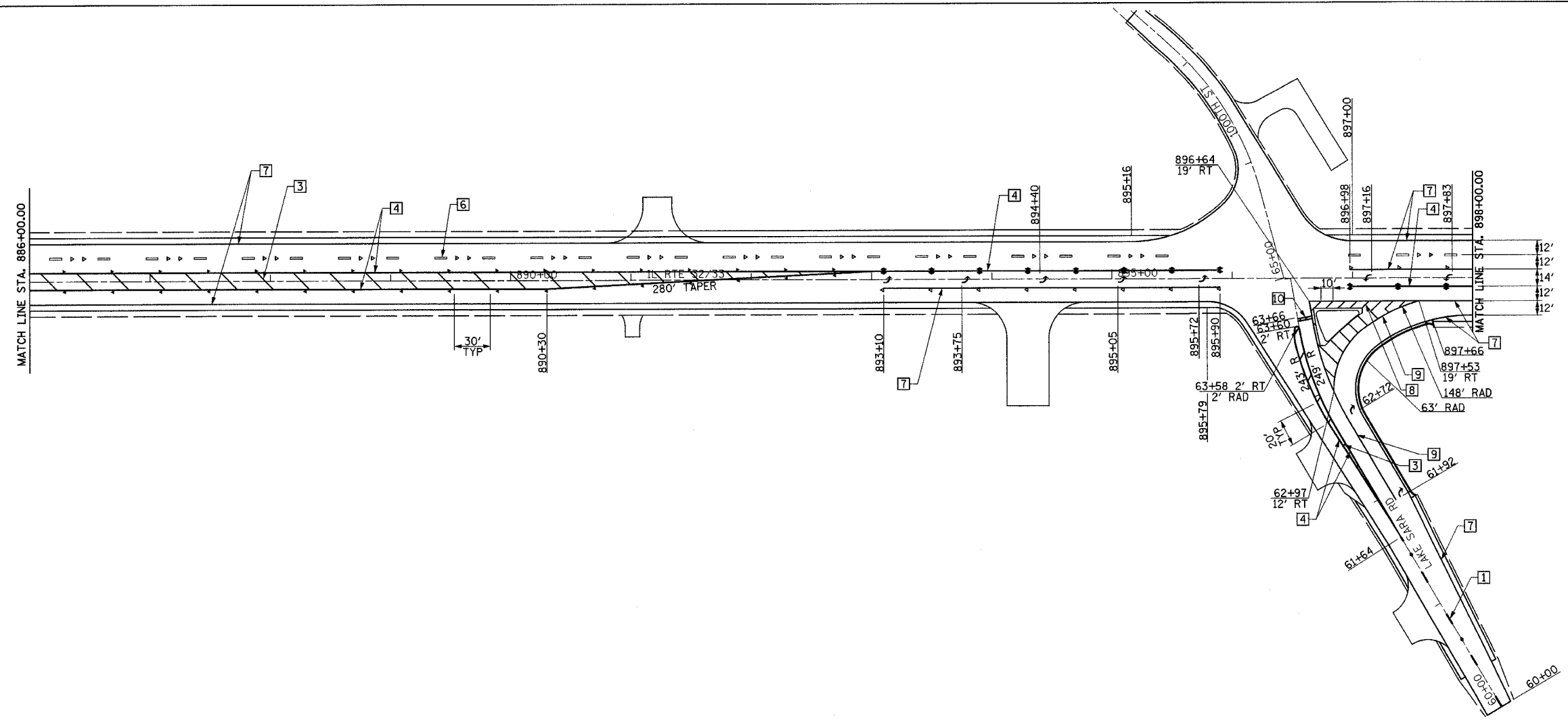
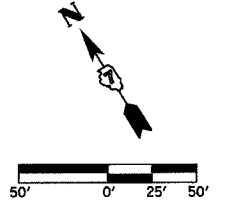
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PAVEMENT MARKING PLAN  
SHEET 2 OF 5

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	52
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



**LEGEND**

	RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
	RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
	RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
	ITEM [4] DOUBLE YELLOW (NARROW)
	ITEM [5] DOUBLE YELLOW (WIDE)

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

**TYPICAL PAVEMENT MARKING LEGEND**

[1] 4" SKIP-DASH YELLOW	[6] 6" SKIP-DASH WHITE
[2] 4" SOLID YELLOW	[7] 4" SOLID WHITE
[3] 12" DIAGONAL YELLOW	[8] 12" DIAGONAL WHITE
[4] 4" DOUBLE YELLOW NARROW	[9] 6" SOLID WHITE
[5] 4" DOUBLE YELLOW WIDE	[10] 24" STOP BAR WHITE

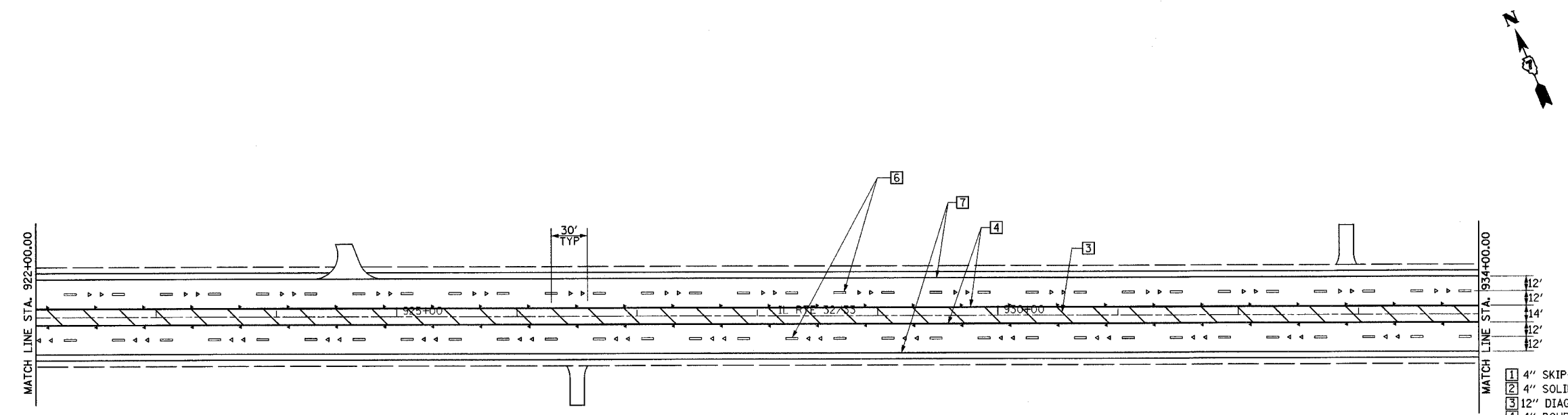
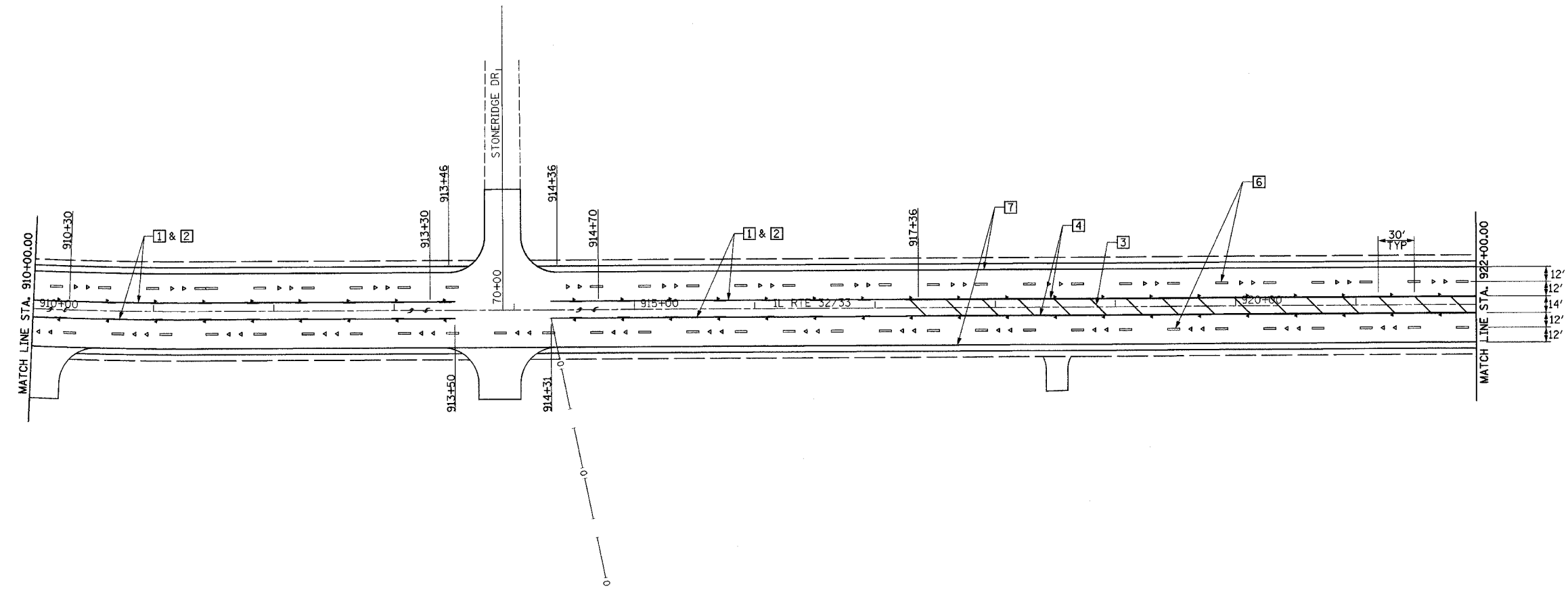
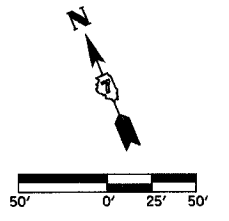
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PAVEMENT MARKING PLAN  
SHEET 3 OF 5

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	53
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



LEGEND

- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
- RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
- ITEM [4] DOUBLE YELLOW (NARROW)
- ITEM [5] DOUBLE YELLOW (WIDE)

TYPICAL PAVEMENT MARKING LEGEND

- [1] 4" SKIP-DASH YELLOW
- [2] 4" SOLID YELLOW
- [3] 12" DIAGONAL YELLOW
- [4] 4" DOUBLE YELLOW NARROW
- [5] 4" DOUBLE YELLOW WIDE
- [6] 6" SKIP-DASH WHITE
- [7] 4" SOLID WHITE
- [8] 12" DIAGONAL WHITE
- [9] 6" SOLID WHITE
- [10] 24" STOP BAR WHITE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
SHEET 4 OF 5

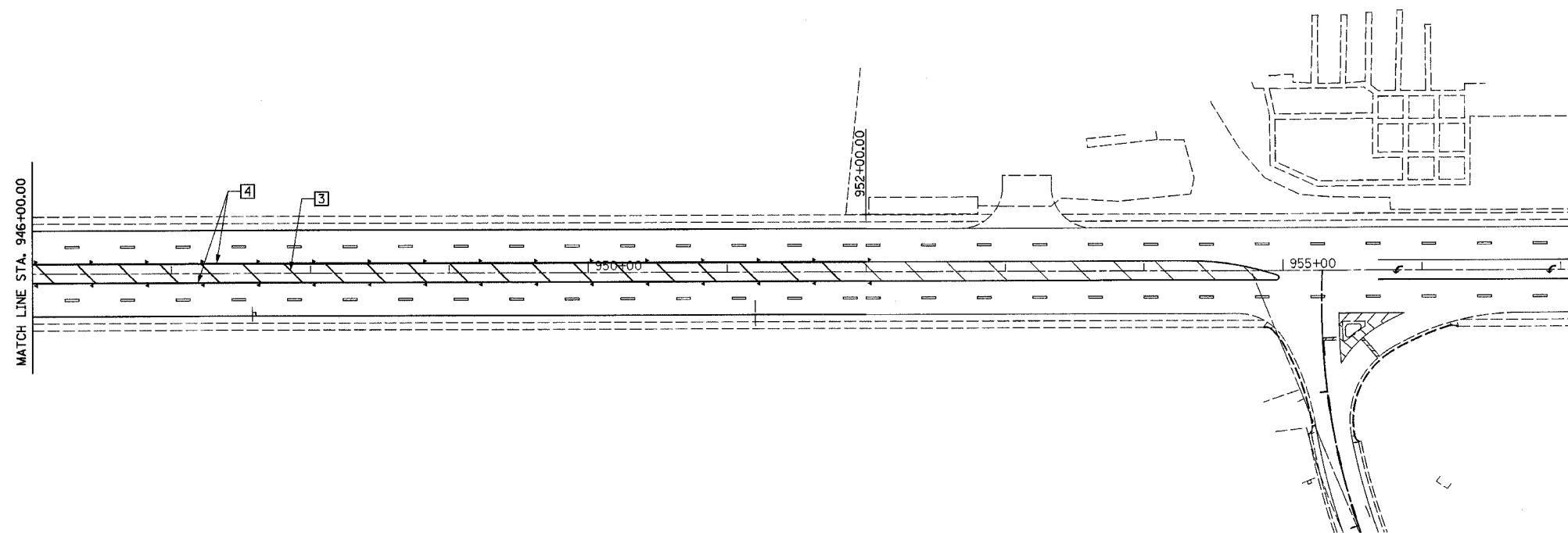
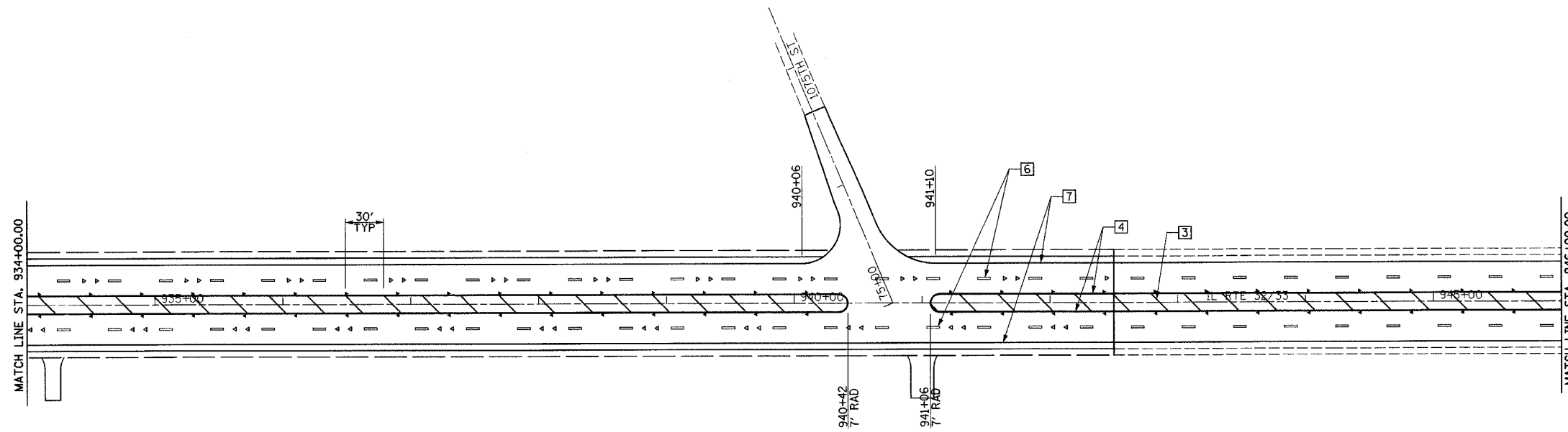
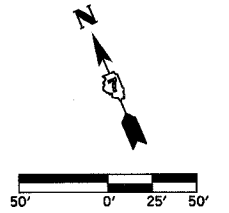
SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

DATE 8/02

DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	54
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130



LEGEND

- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
- RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
- ITEM [4] DOUBLE YELLOW (NARROW)
- ITEM [5] DOUBLE YELLOW (WIDE)

TYPICAL PAVEMENT MARKING LEGEND

- |                             |                         |
|-----------------------------|-------------------------|
| [1] 4" SKIP-DASH YELLOW     | [6] 6" SKIP-DASH WHITE  |
| [2] 4" SOLID YELLOW         | [7] 4" SOLID WHITE      |
| [3] 12" DIAGONAL YELLOW     | [8] 12" DIAGONAL WHITE  |
| [4] 4" DOUBLE YELLOW NARROW | [9] 6" SOLID WHITE      |
| [5] 4" DOUBLE YELLOW WIDE   | [10] 24" STOP BAR WHITE |

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

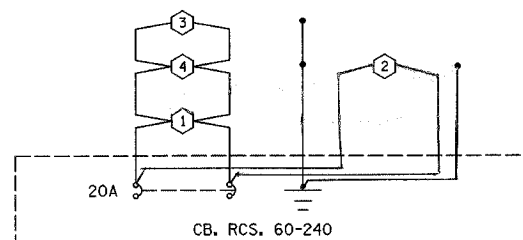
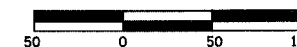
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PAVEMENT MARKING PLAN  
SHEET 5 OF 5

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	55
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

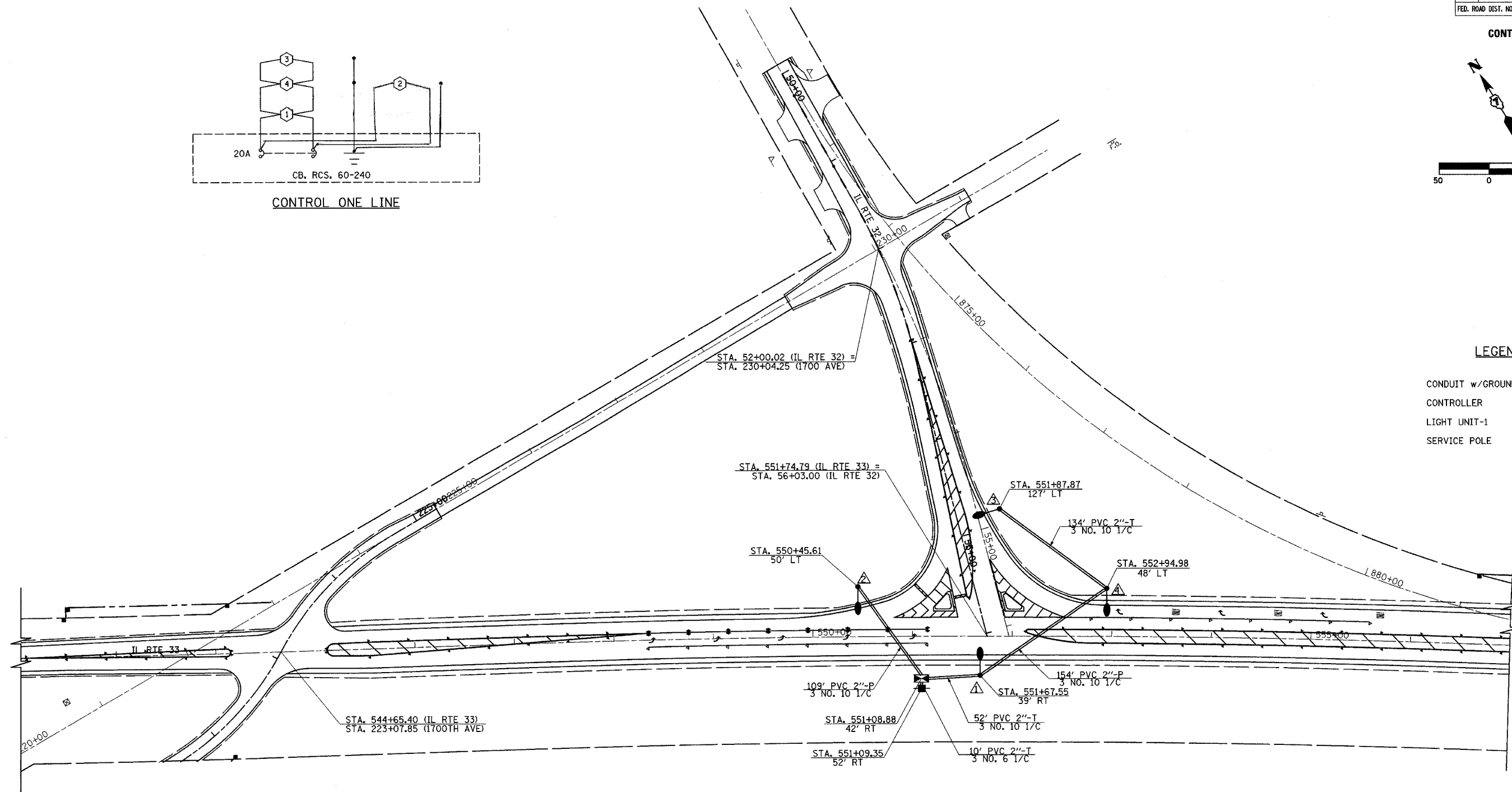
CONTRACT NO. 74130



CONTROL ONE LINE

LEGEND:

- CONDUIT w/GROUND
- CONTROLLER
- LIGHT UNIT-1
- SERVICE POLE



LIGHT/CABLE LAYOUT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL RTE 32/33 WYE  
LIGHTING PLANS  
SHEET 1 OF 6

DATE 8/02

DRAWN BY ASB  
CHECKED BY BWD

CONTRACT NO. 74130

### SCHEDULE OF QUANTITIES

ELECTRIC SERVICE INSTALLATION (80400100)

STATION	EACH
52' RT STA. 551+09.35	1

CONDUIT IN TRENCH, 2" DIA., PVC (81012600)

STATION	STATION	FEET
39' RT STA. 551+67.55	42' RT STA. 551+08.88	52
127' LT STA. 551+87.87	48' LT STA. 552+94.98	134
42' RT STA. 551+08.88	52' RT STA. 551+09.35	10
		196

CONDUIT PUSHED, 2" DIA., PVC (81021330)

STATION	STATION	FEET
50' LT STA. 550+45.61	42' RT STA. 551+08.88	109
48' LT STA. 552+94.98	39' RT STA. 551+67.55	154
		263

TRENCH AND BACKFILL FOR ELECTRICAL WORK (81500200)

STATION	STATION	FEET
39' RT STA. 551+67.55	42' RT STA. 551+08.88	52
127' LT STA. 551+87.87	48' LT STA. 552+94.98	134
42' RT STA. 551+08.88	52' RT STA. 551+09.35	10
		196

ELECTRICAL CABLE IN CONDUIT, 600V (XLP - TYPE USE) 1/C #10 (81702110)

STATION	STATION	FEET	SLACK	NO.	FEET
50' RT STA. 550+45.61	42' RT STA. 551+08.88	109	5	3	342
127' LT STA. 551+87.87	48' LT STA. 552+94.98	134	5	3	417
39' RT STA. 551+67.55	42' RT STA. 551+08.88	52	5	3	171
39' RT STA. 551+67.55	48' LT STA. 552+94.98	154	5	3	477
					1407

ELECTRICAL CABLE IN CONDUIT, 600V (XLP - TYPE USE) 1/C #6 (81702130)

STATION	STATION	FEET	SLACK	NO.	FEET
42' RT STA. 551+08.88	52' RT STA. 551+09.35	35	6	3	123

LUMINAIRE, SODIUM VAPOR, MULTI MOUNT, 250 WATT (82103900)

STATION	EACH	
127' LT STA. 551+87.87	1	
50' LT STA. 550+45.61	1	
48' LT STA. 552+94.98	1	
39' RT STA. 551+67.55	1	
		4

LIGHTING CONTROLLER TYPE CB-RCS 60 AMP - 240 VOLT (82500510)

STATION	EACH
42' RT STA. 551+08.88	1

LIGHT POLE, FIBERGLASS, 45 FT. M.H., TENON MOUNT (X8300640)

STATION	EACH	
127' LT STA. 551+87.87	1	
50' LT STA. 550+45.61	1	
48' LT STA. 552+94.98	1	
39' RT STA. 551+67.55	1	
		4

LIGHT POLE FOUNDATION, 24" DIAMETER (83600200)

STATION	FEET	
127' LT STA. 551+87.87	8	
50' LT STA. 550+45.61	8	
48' LT STA. 552+94.98	8	
39' RT STA. 551+67.55	8	
		32

BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT (83800505)

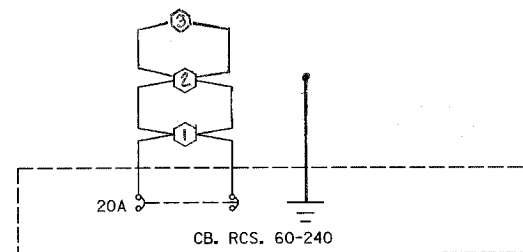
STATION	EACH	
127' LT STA. 551+87.87	4	
50' LT STA. 550+45.61	4	
48' LT STA. 552+94.98	4	
39' RT STA. 551+67.55	4	
		16

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		IL RTE 32/33 WYE LIGHTING PLANS SHEET 2 OF 6
DATE 8/02		DRAWN BY ASB CHECKED BY BWD

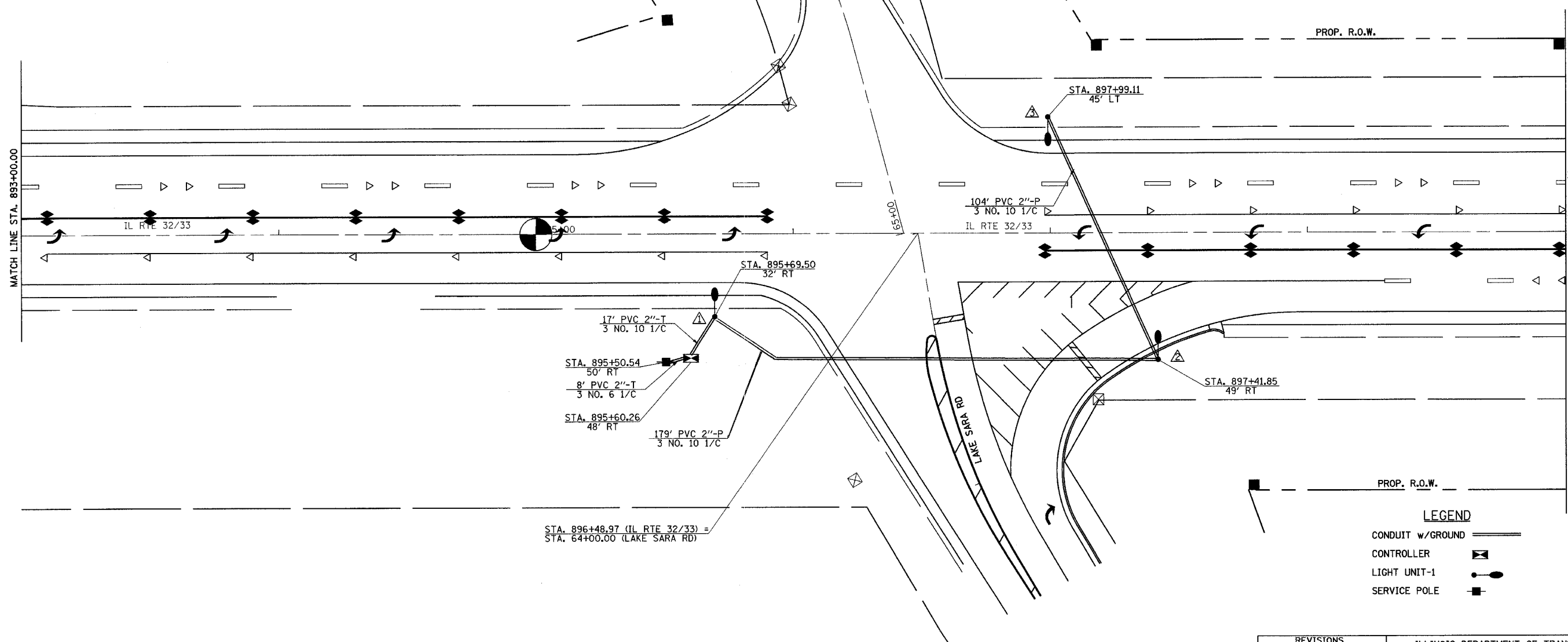
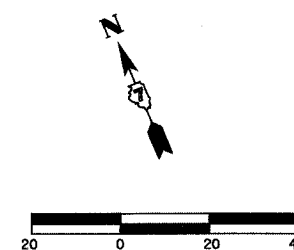
4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	57
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



CONTROL ONE LINE



**LIGHT/CABLE LAYOUT**

**LEGEND**

CONDUIT w/GROUND	
CONTROLLER	
LIGHT UNIT-1	
SERVICE POLE	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LAKE SARA ROAD  
LIGHTING PLANS  
SHEET 3 OF 6

Rev. DATE 8/02 DRAWN BY ASB CHECKED BY BWD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	58
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

### SCHEDULE OF QUANTITIES

ELECTRIC SERVICE INSTALLATION (80400100)

STATION	EACH
50' RT STA. 895+50.54	1

CONDUIT IN TRENCH, 2" DIA., PVC (81012600)

STATION	STATION	FEET
50' RT STA. 895+50.54	48' RT STA. 895+60.26	8
32' RT STA. 895+69.50	48' RT STA. 895+60.26	17
		<u>25</u>

CONDUIT PUSHED, 2" DIA., PVC (81021330)

STATION	STATION	FEET
48' RT STA. 895+60.26	49' RT STA. 897+41.85	179
45' LT STA. 897+99.11	49' RT STA. 897+41.85	104
		<u>283</u>

TRENCH AND BACKFILL FOR ELECTRICAL WORK (81500200)

STATION	STATION	FEET
50' RT STA. 895+50.54	48' RT STA. 895+60.26	8
32' RT STA. 895+69.50	48' RT STA. 895+60.26	17
		<u>25</u>

ELECTRICAL CABLE IN CONDUIT, 600V (XLP - TYPE USE) 1/C #10 (81702110)

STATION	STATION	FEET	SLACK	NO.	FEET
45' LT STA. 897+99.11	49' RT STA. 897+41.85	104	4	3	324
49' RT STA. 897+41.85	48' RT STA. 895+60.26	179	5	3	552
32' RT STA. 895+69.50	48' RT STA. 895+60.26	17	5	3	66
					<u>942</u>

ELECTRICAL CABLE IN CONDUIT, 600V (XLP - TYPE USE) 1/C #6 (81702130)

STATION	STATION	FEET	SLACK	NO.	FEET
48' RT STA. 895+60.26	50' RT STA. 895+50.54	33	6	3	117

LUMINAIRE, SODIUM VAPOR, MULTI MOUNT, 250 WATT (82103900)

STATION	EACH
45' LT STA. 897+99.11	1
49' RT STA. 897+41.85	1
32' RT STA. 895+69.50	1
	<u>3</u>

LIGHTING CONTROLLER TYPE CB-RCS 60 AMP - 240 VOLT (82500510)

STATION	EACH
48' RT STA. 895+60.26	1

LIGHT POLE, FIBERGLASS, 45 FT. M.H., TENON MOUNT (X8300640)

STATION	EACH
45' LT STA. 897+99.11	1
49' RT STA. 897+41.85	1
32' RT STA. 895+69.50	1
	<u>3</u>

LIGHT POLE FOUNDATION, 24" DIAMETER (83600200)

STATION	FEET
45' LT STA. 897+99.11	8
49' RT STA. 897+41.85	8
32' RT STA. 895+69.50	8
	<u>24</u>

BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT (83800505)

STATION	EACH
45' LT STA. 897+99.11	4
49' RT STA. 897+41.85	4
32' RT STA. 895+69.50	4
	<u>12</u>

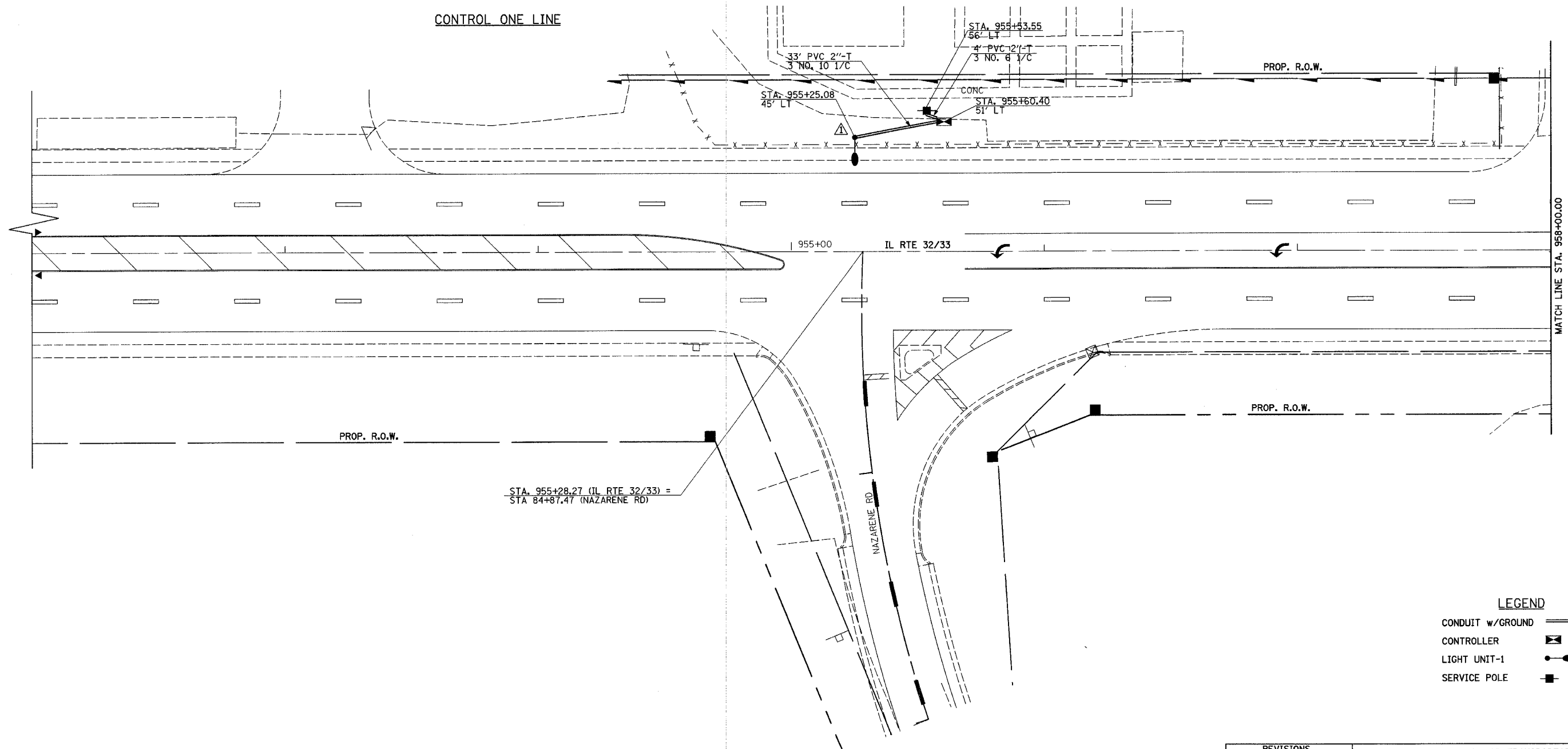
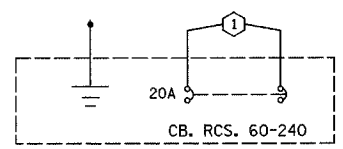
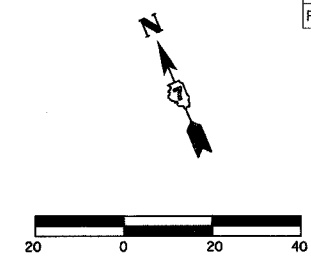
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		LAKE SARA ROAD LIGHTING PLANS SHEET 4 OF 6
DATE 8/02		DRAWN BY ASB CHECKED BY BWD

4/19/06



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	59
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



CONTROL ONE LINE

STA. 955+28.27 (IL RTE 32/33) =  
STA 84+87.47 (NAZARENE RD)

**LIGHT/CABLE LAYOUT**

**LEGEND**

CONDUIT w/GROUND	
CONTROLLER	
LIGHT UNIT-1	
SERVICE POLE	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

NAZARENE ROAD  
LIGHTING PLANS  
SHEET 5 OF 6

DATE 8/02  
DRAWN BY ASB  
CHECKED BY BWD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	60
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

### SCHEDULE OF QUANTITIES

ELECTRIC SERVICE INSTALLATION (80400100)

STATION	EACH
56' LT STA. 955+53.55	1

LIGHT POLE, FIBERGLASS, 45 FT. M.H., TENON MOUNT (X8300640)

STATION	EACH
45' LT STA. 955+25.08	1

CONDUIT IN TRENCH, 2" DIA., PVC (81012600)

STATION	STATION	FEET
45' LT STA. 955+25.08	51' LT STA. 955+60.40	33
56' LT STA. 955+53.55	51' LT STA. 955+60.40	4
		37

LIGHT POLE FOUNDATION, 24" DIAMETER (83600200)

STATION	FEET
45' LT STA. 955+25.08	8

TRENCH AND BACKFILL FOR ELECTRICAL WORK (81500200)

STATION	STATION	FEET
45' LT STA. 955+25.08	51' LT STA. 955+60.40	33
56' LT STA. 955+53.55	51' LT STA. 955+60.40	4
		37

BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT (83800505)

STATION	EACH
45' LT STA. 955+25.08	4

ELECTRICAL CABLE IN CONDUIT, 600V (XLP - TYPE USE) 1/C #10 (81702110)

STATION	STATION	FEET	SLACK	NO.	FEET
45' LT STA. 955+25.08	51' LT STA. 955+60.40	33	5	3	114

ELECTRICAL CABLE IN CONDUIT, 600V (XLP - TYPE USE) 1/C #6 (81702130)

STATION	STATION	FEET	SLACK	NO.	FEET
56' LT STA. 955+53.55	51' LT STA. 955+60.40	29	6	3	105

LUMINAIRE, SODIUM VAPOR, MULTI MOUNT, 250 WATT (82103900)

STATION	EACH
45' LT STA. 955+25.08	1

LIGHTING CONTROLLER TYPE CB-RCS 60 AMP - 240 VOLT (82500510)

STATION	EACH
51' LT STA. 955+60.40	1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		NAZARENE ROAD LIGHTING PLANS SHEET 6 OF 6

DATE 8/02

DRAWN BY ASB  
CHECKED BY BWD

4/19/06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	61
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

## EROSION CONTROL GENERAL NOTES

### DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

- THE AREA BETWEEN THE EXISTING AND PROPOSED RIGHT-OF-WAY / TEMPORARY EASEMENT BOUNDARIES AND LIMITS OF THE PROJECT WILL BE IMPROVED AND MANAGED FOR THE PURPOSES OF CONTROLLING EROSION WITHIN THE AREA, REDUCING WATER FLOW BY TEMPORARY DIVERSION AND MINIMIZING SILTATION INTO THE CONSTRUCTION ZONE, AND ESTABLISHING VEGETATIVE COVER WHICH WILL BECOME PERMANENT VEGETATION AND ACT AS AN EROSION BARRIER. WORK AT THE BEGINNING OF THE CONSTRUCTION WILL CONSIST OF THE FOLLOWING:
  - AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION SLOPE LIMITS SHALL BE IDENTIFIED FOR PRESERVING AND SHALL BE PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL AND OTHER ACTIVITIES WHICH WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPEMENT.
  - DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
  - AS SOON AS REASONABLE ACCESS IS AVAILABLE (SUCH AS TREES CLEARED) TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, AGGREGATE DITCH CHECKS AND/OR EROSION CONTROL FENCE SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
  - BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF THE CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN DAYS.
  - IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED IN CERTAIN AREAS WHICH ARE IN HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER, THE AREAS SHALL BE TEMPORARILY SEEDED WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN DAYS.
  - AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), AGGREGATE DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE OF RIGHT-OF-WAY LINE.

### DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

- DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING ( EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER ), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
  - WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS WHICH HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
  - EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
  - AS THE CONTRACTOR CONSTRUCTS A PORTION OF ROADWAY IN A FILL SECTION, HE/SHE SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:
    - PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND RETURNS FROM CONSTRUCTION ZONE.
    - TEMPORARILY SEED HIGHLY ERODABLE AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS.
    - CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
    - TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
    - BUILD NECESSARY EMBANKMENTS AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
    - CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
  - EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR FOURTEEN DAYS.
  - CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
  - THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER LARGE RAINS DURING THE WINTER SHUT-DOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
  - SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS (OR WHEN 50 PERCENT FULL) AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
  - THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

### DESCRIPTION OF STABILIZATION PRACTICES AFTER FINAL GRADING:

- TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH PROPER STAND.
- ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONING AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEDED.

TEMPORARY DITCH CHECK		
STA.	QUANTITY (EACH)	
	LT	RT
545+00.00		1
545+80.00		1
550+00.00	1	
555+50.00		1
556+50.00	1	
866+50.00	1	1
889+50.00	1	1
890+50.00	1	1
892+00.00	1	
892+50.00		1
893+50.00	1	1
895+00.00	1	1
895+90.00		1
899+00.00	1	
899+50.00	1	
900+00.00	1	1
900+50.00	1	1
901+25.00		1
901+50.00	1	
902+00.00	1	1
902+50.00	1	
903+00.00	1	
903+75.00		1
905+00.00	1	
905+50.00		1
907+00.00	1	
907+25.00		1
909+00.00	1	1
914+50.00	1	1
920+00.00	1	1
925+00.00	1	
929+00.00		1
930+50.00	1	
936+00.00	1	1
940+00.00	1	
942+50.00		1
60+75.00		1
61+75.00		1
62+75.00		1
<b>SUB-TOTAL</b>	<b>24</b>	<b>26</b>
<b>TOTAL 50</b>		

INLET AND PIPE PROTECTION		
STATION	OFFSET	QUANTITY (EACH)
545+40.00	LT	1
545+45.00	LT	1
895+58.00	LT	1
896+00.25	RT	1
900+40.00	RT	1
936+35.00	RT	1
218+35.00	LT	1
217+92.00	LT	1
230+53.00	RT	1
231+10.00	RT	1
54+50.00	LT	1
50+60.00	LT	1
66+55.00	RT	1
60+65.00	LT	1
61+70.00	LT	1
<b>TOTAL 15</b>		

PERIMETER EROSION BARRIER (SILT FENCE)		
STATION	LT	RT
542+00.00	15'	
900+90.00	15'	
901+15.00	15'	
IL 32 49+90.00	15'	
1700th AVE 217+00.00		15'
<b>SUB-TOTAL</b>	<b>60'</b>	<b>15'</b>
<b>TOTAL 75'</b>		

FOR RIPRAP STILLING BASIN SCHEDULE AND DETAILS, SEE SHEET 15.

FOR PERMANENT DITCH RIPRAP SCHEDULE AND DETAILS, SEE SHEET 14.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

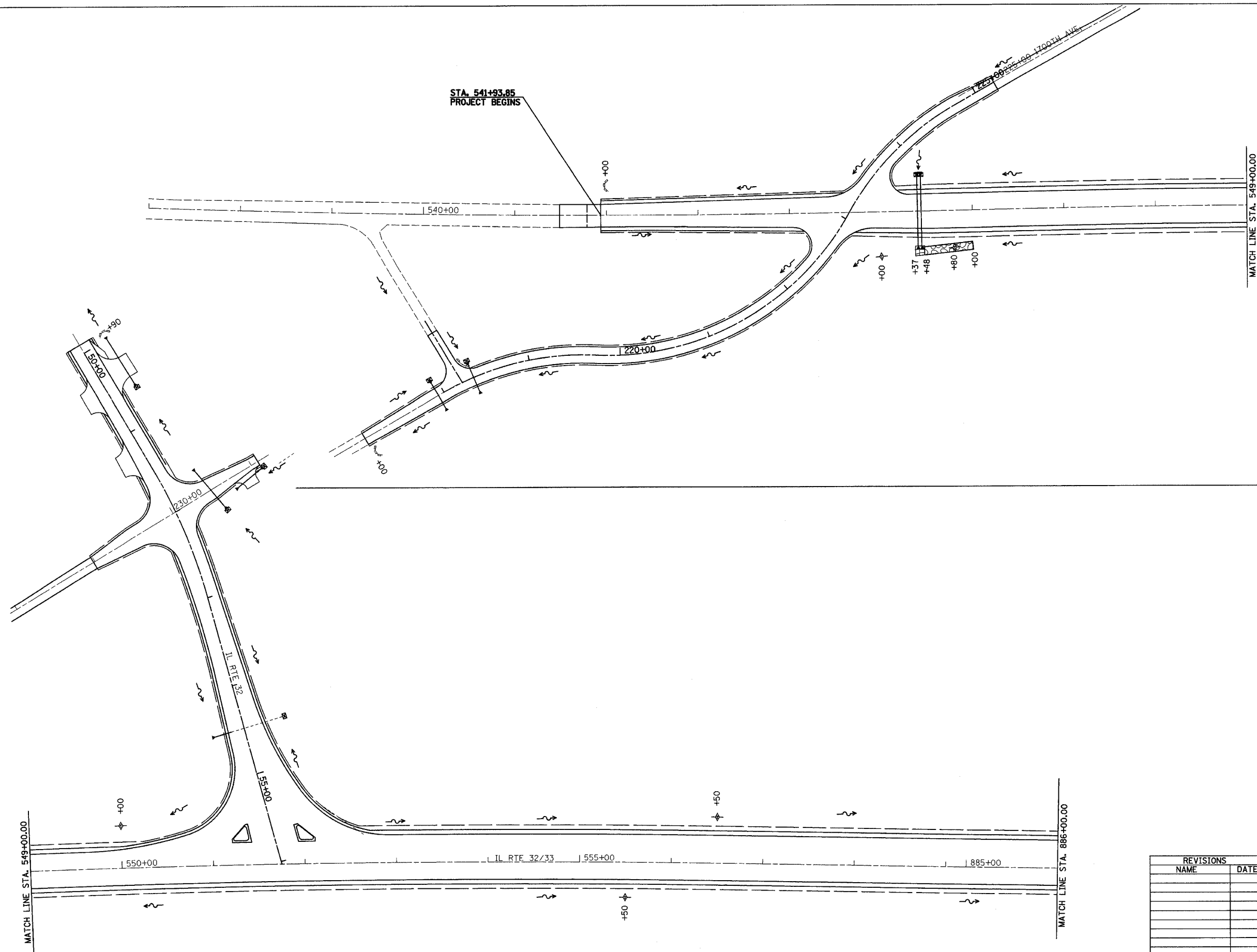
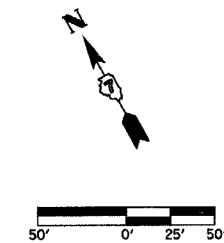
EROSION CONTROL PLAN  
GENERAL NOTES & SCHEDULE  
SHEET 1 OF 5

DATE 8/02

DRAWN BY MLO  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	62
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



STA. 541+93.85  
PROJECT BEGINS

- LEGEND**
- INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - PERIMETER EROSION BARRIER
  - EROSION CONTROL BLANKET
  - STONE RIPRAP CLASS A4 OR GABIONS

REVISIONS	
NAME	DATE

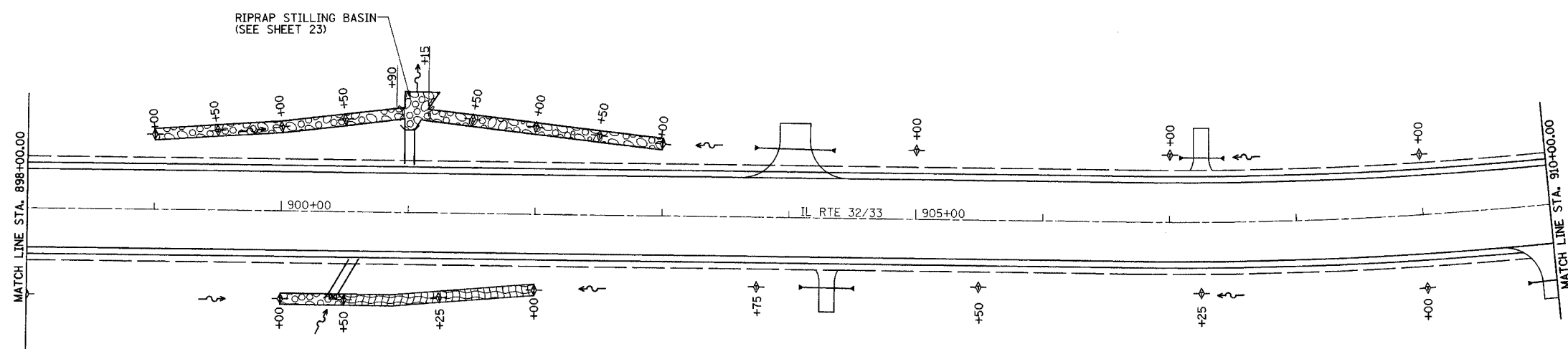
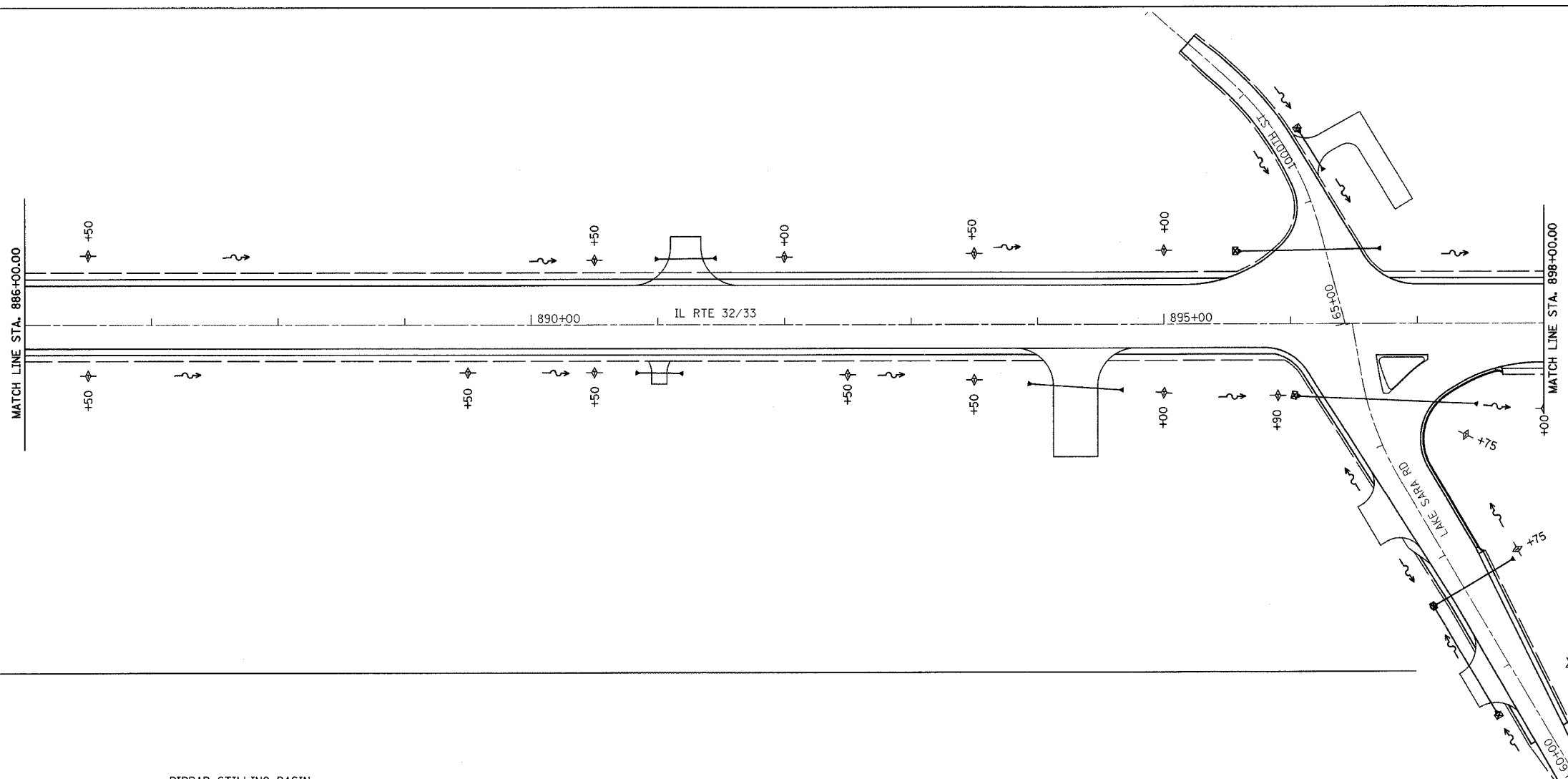
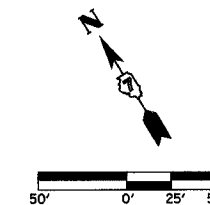
ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN  
SHEET 2 OF 5

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	63
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



- LEGEND**
- INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - PERIMETER EROSION BARRIER
  - EROSION CONTROL BLANKET
  - STONE RIPRAP CLASS A4 OR GABIONS

REVISIONS	
NAME	DATE

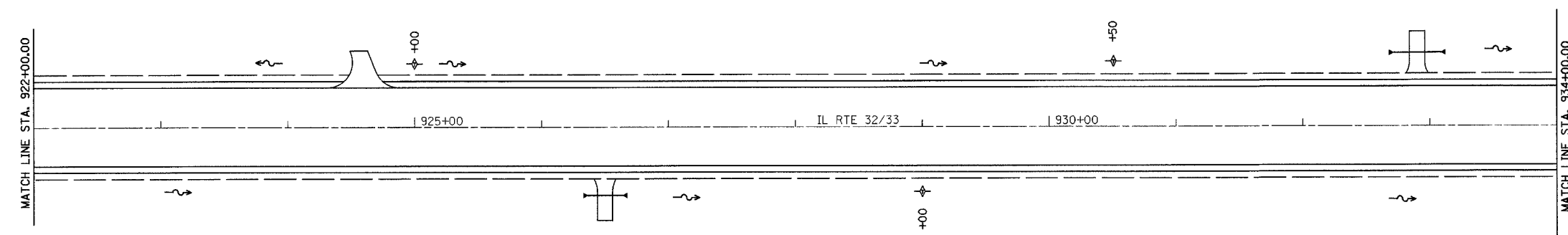
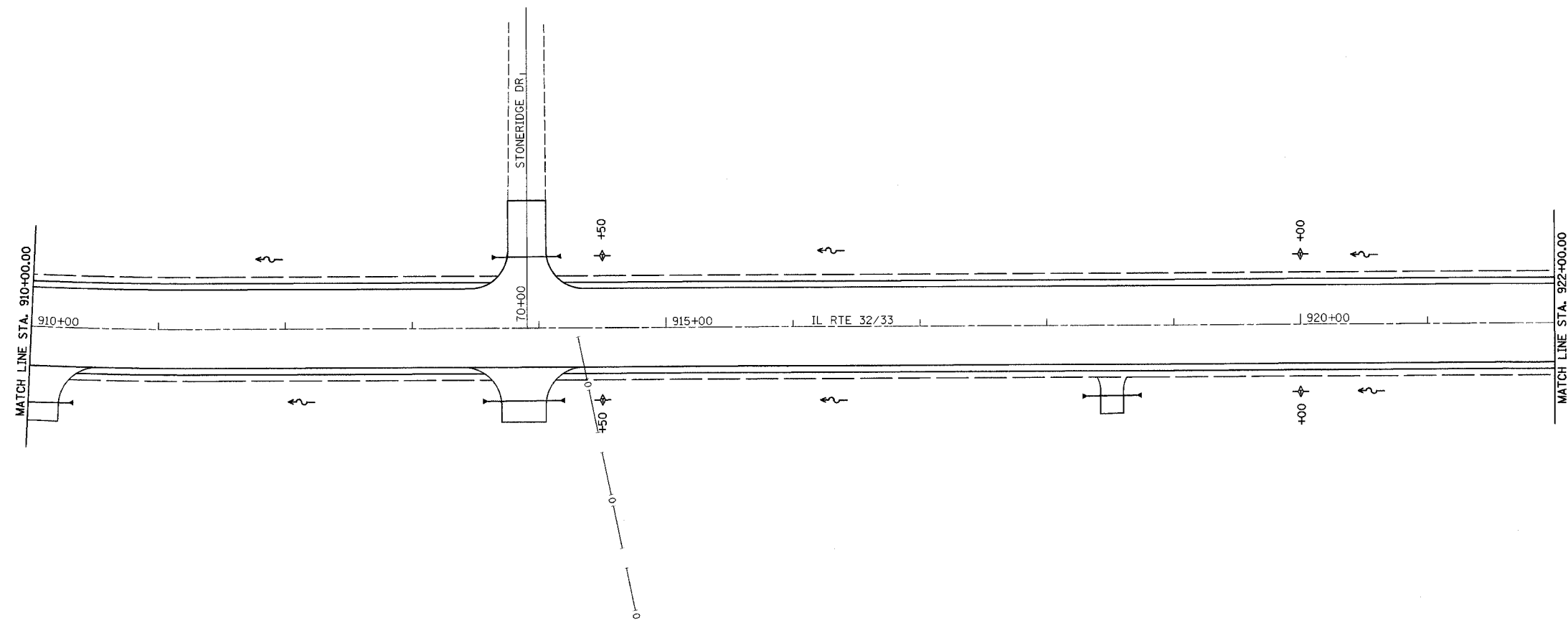
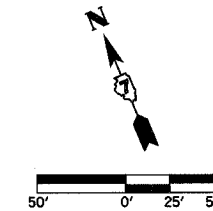
ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN  
SHEET 3 OF 5

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	64
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



**LEGEND**

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- STONE RIPRAP CLASS A4 OR GABIONS

REVISIONS	
NAME	DATE

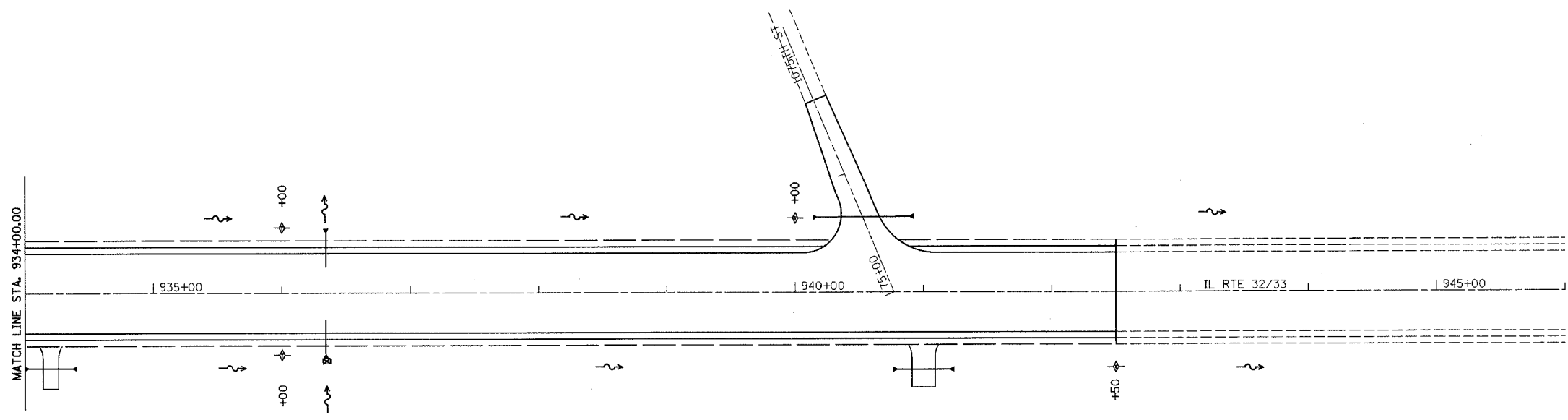
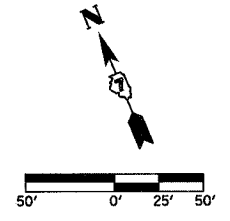
ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN  
SHEET 4 OF 5

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	65
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130



**LEGEND**

- ▣ INLET AND PIPE PROTECTION
- ⊕ TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- ▨ EROSION CONTROL BLANKET
- ▩ STONE RIPRAP CLASS A4 OR GABIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN  
SHEET 5 OF 5

DATE 8/02

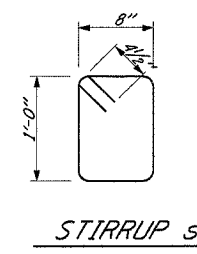
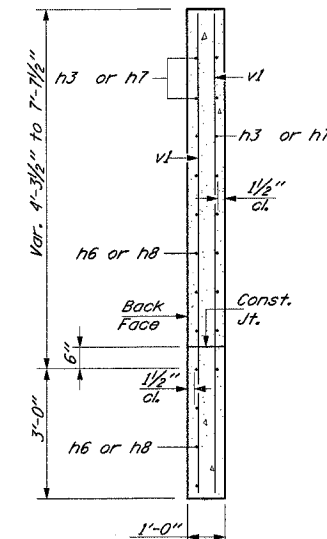
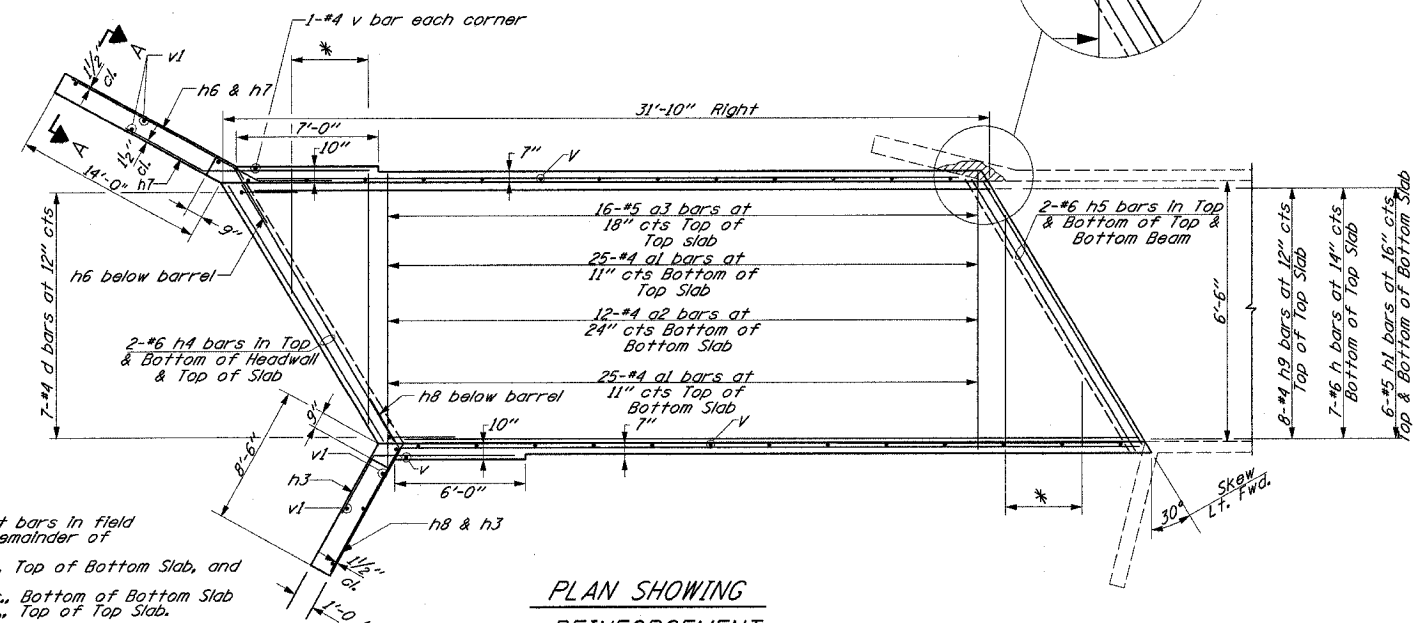
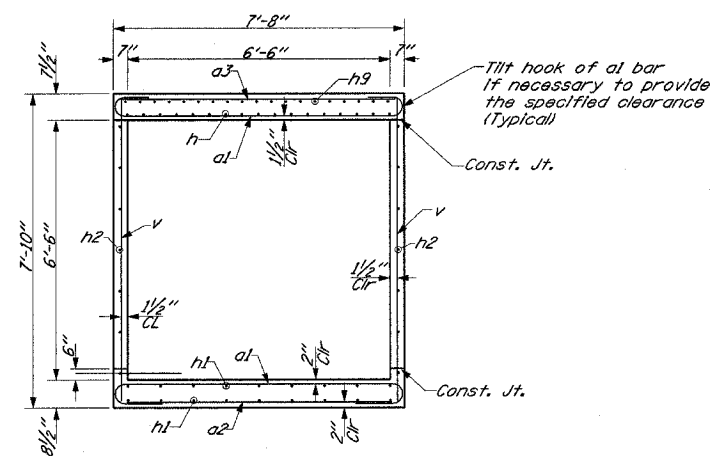
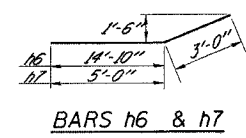
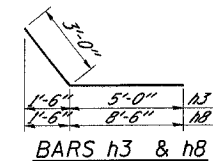
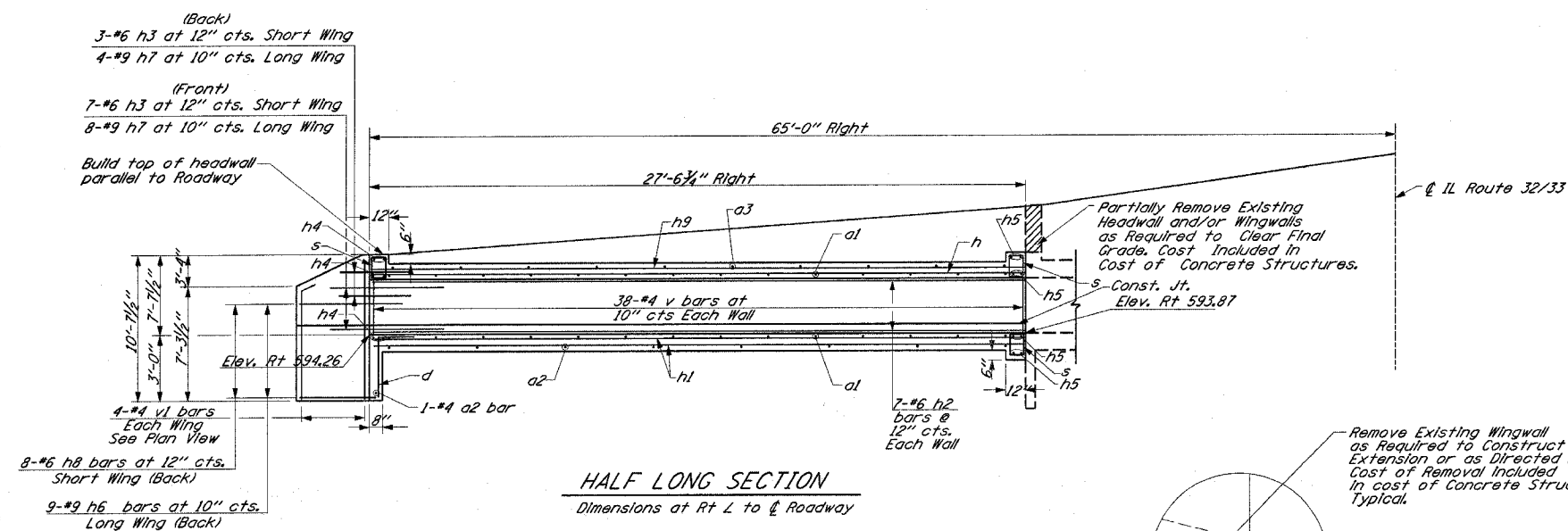
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CHECKED BY SJK



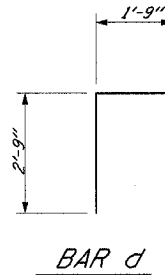
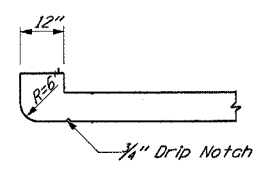


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	67
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130



SECTION A-A



\* Order bars full length. Cut bars in field to fit skew and use the remainder of bars at other end of slab.  
7-#4 a1 bars at 11" cts., Top of Bottom Slab, and Bottom of Top Slab  
3-#4 a2 bars at 24" cts., Bottom of Bottom Slab  
4-#5 a3 bars at 18" cts., Top of Top Slab.

**NOTES:**

- Design fill height  $\leq 2'$
- Exposed edges shall be chamfered  $\frac{3}{4}"$ .
- Class SI Concrete shall be used throughout.
- Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-322, Grade 60.
- Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
- Nonmetallic water seal used in the wingwall joints shall extend from the top of the footing to within 6" of the top of the headwall.
- For backfilling and embankment, see Standard Specifications.
- Expansion Bolts shall consist of self-drilling expansion shields and hooked bolts. Hooked Bolts shall extend a minimum of 9" into new concrete.
- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
- All construction joints shall be bonded.

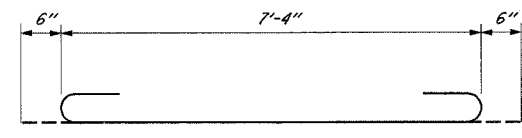
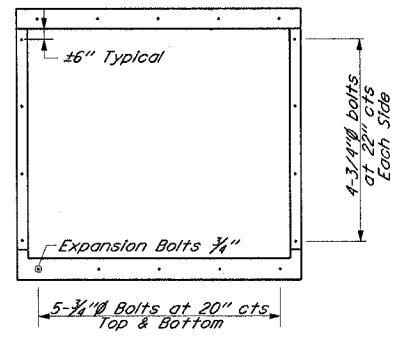
**SPECIFICATION**

1996 AASHTO with 1997, 1998, 1999, 2000 and 2002 Interims

**DESIGN STRESSES**

$f_y = 60,000 \text{ psi}$   
 $f_c = 3,500 \text{ psi}$

**LOADING HS 20-44**



**BILL OF MATERIAL**

Bar	No.	Size	Length
a1	64	#4	8'-4"
a2	16	#4	6'-9"
a3	15	#5	6'-9"
d	7	#4	4'-6"
h	7	#6	31'-4"
h1	12	#5	31'-4"
h2	14	#6	31'-4"
h3	10	#6	8'-0"
h4	6	#6	8'-4"
h5	8	#6	8'-6"
h6	9	#9	17'-10"
h7	12	#9	8'-0"
h8	8	#6	11'-6"
h9	8	#4	31'-4"
s	30	#4	4'-1"
v	78	#4	7'-6"
v1	8	#4	10'-3"
Concrete Structures	Cu Yd	29.6	
Reinforcement Bars	Pound	3940	
Expansion Bolts $\frac{3}{4}"$	Each	18	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CAST-IN-PLACE BOX CULVERT EXTENSION DETAILS**  
& STA. 900+43.11 RT.  
SHEET 2 OF 2  
DRAWN BY ASB  
CHECKED BY SJK  
DATE 8/02



1 2 3 4 5 6 7 8 9  
 10 11 12 13 14 15 16 17 18  
 19 20 21 22 23 24 25 26 27  
 28 29 30 31 32 33 34 35 36  
 37 38 39 40 41 42 43 44 45  
 46 47 48 49 50 51 52 53 54  
 55 56 57 58 59 60 61 62 63

\*DGN-SPEC\*  
 \*DATE\*

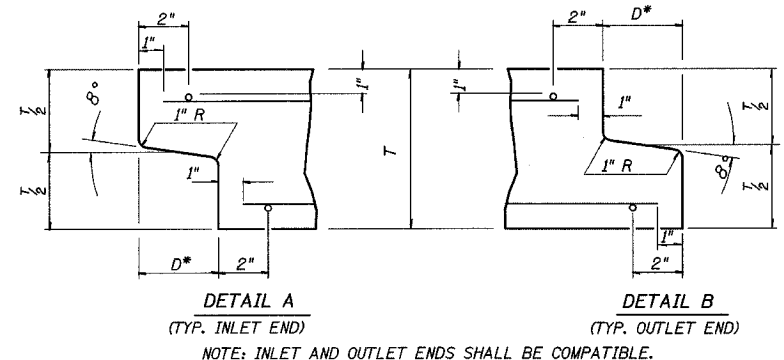
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	69
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

# DETAIL OF PRECAST CONCRETE BOX CULVERT M259

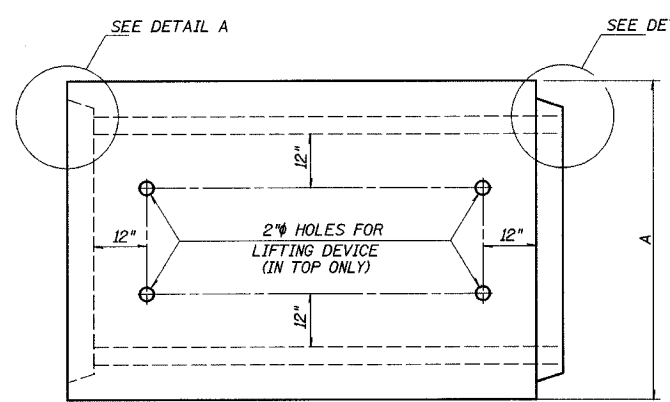
(WITH EQUAL TO OR GREATER THAN 2 FEET OF COVER)

AASHO DESIGNATION M259  
 (ASTM DESIGNATION C-789)  
 DESIGN LOADING = HS20-44



DETAIL A (TYP. INLET END)  
 DETAIL B (TYP. OUTLET END)  
 NOTE: INLET AND OUTLET ENDS SHALL BE COMPATIBLE.

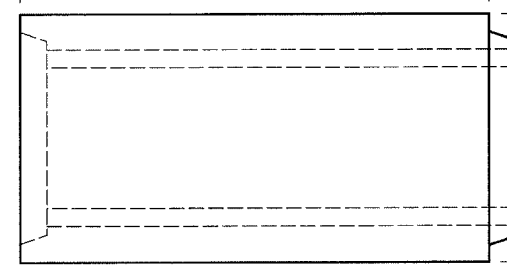
\* THE D DIMENSION SHALL CONFORM TO THE MANUFACTURER'S STANDARDS.



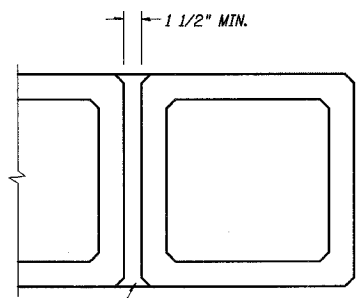
PLAN  
 LOCATION OF LIFTING HOLES MAY BE VARIED AS NEEDED TO CLEAR REINFORCEMENT.

SECTION LENGTH

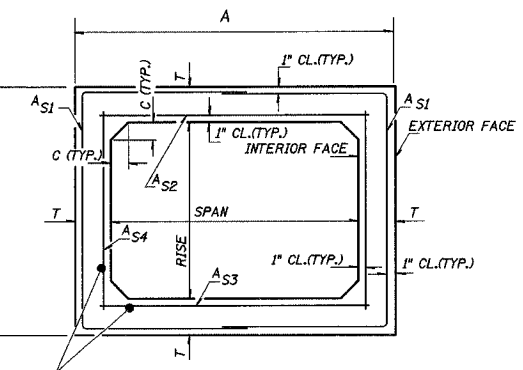
WHEN EXTENDING AN EXISTING BOX, PLACE THIS END AGAINST THE EXISTING HEADWALL.



ELEVATION



CLASS SI CONCRETE  
 MULTIPLE UNIT PLACEMENT



LONGITUDINAL REINFORCEMENT  
 CROSS SECTION

**GENERAL NOTES**

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04(d) OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 542.04(d) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS  $A_{s1}$ ,  $A_{s2}$ , AND  $A_{s4}$  DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASSHTO M259. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO ASSHTO M55.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER THE BOX SECTIONS ARE IN PLACE.

DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.12 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.

CULVERT SIZE	DIMENSIONS			
	T (INCHES)	A FT-IN	B FT-IN	C (INCHES)
SPANxRISE (FOOT)				
2x2	4	2-8	2-8	4
3x2	4	3-8	2-8	4
3x3	4	3-8	3-8	4
4x2	5	4-10	2-10	5
4x3	5	4-10	3-10	5
4x4	5	4-10	4-10	5
5x2	6	6-0	3-0	6
5x3	6	6-0	4-0	6
5x4	6	6-0	5-0	6
5x5	6	6-0	6-0	6
6x2	7	7-2	3-2	7
6x3	7	7-2	4-2	7
6x4	7	7-2	5-2	7
6x5	7	7-2	6-2	7
6x6	7	7-2	7-2	7
7x4	8	8-4	5-4	8
7x5	8	8-4	6-4	8
7x6	8	8-4	7-4	8
7x7	8	8-4	8-4	8
8x4	8	9-4	5-4	8
8x5	8	9-4	6-4	8
8x6	8	9-4	7-4	8
8x7	8	9-4	8-4	8
8x8	8	9-4	9-4	8
9x5	9	10-6	6-6	9
9x6	9	10-6	7-6	9
9x7	9	10-6	8-6	9
9x8	9	10-6	9-6	9
9x9	9	10-6	10-6	9
10x5	10	11-8	6-8	10
10x6	10	11-8	7-8	10
10x7	10	11-8	8-8	10
10x8	10	11-8	9-8	10
10x9	10	11-8	10-8	10
10x10	10	11-8	11-8	10
11x4	11	12-10	5-10	11
11x6	11	12-10	7-10	11
11x8	11	12-10	9-10	11
11x10	11	12-10	11-10	11
11x11	11	12-10	12-10	11
12x4	12	14-0	6-0	12
12x6	12	14-0	8-0	12
12x8	12	14-0	10-0	12
12x10	12	14-0	12-0	12
12x12	12	14-0	14-0	12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PRECAST CONCRETE BOX CULVERT DETAILS  
 SHEET 2 OF 3  
 DATE REVISED: 05/28/99  
 DRAWN BY DIST. 7  
 CHECKED BY BWC

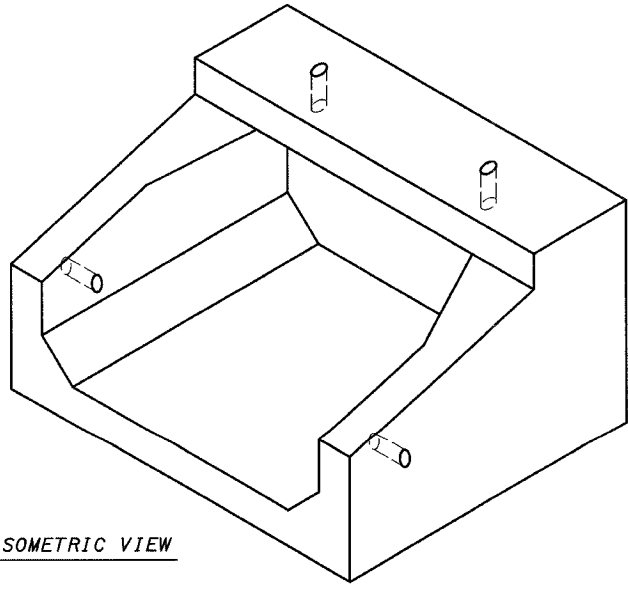
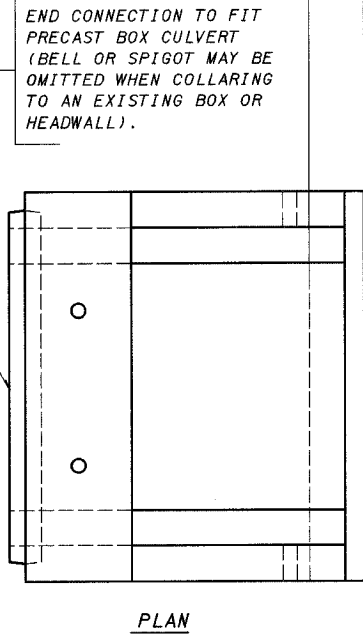
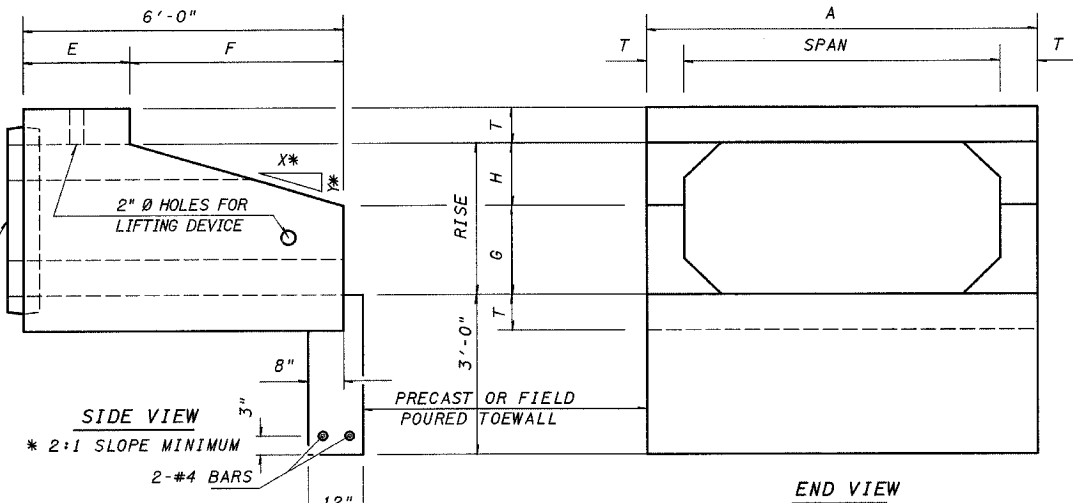
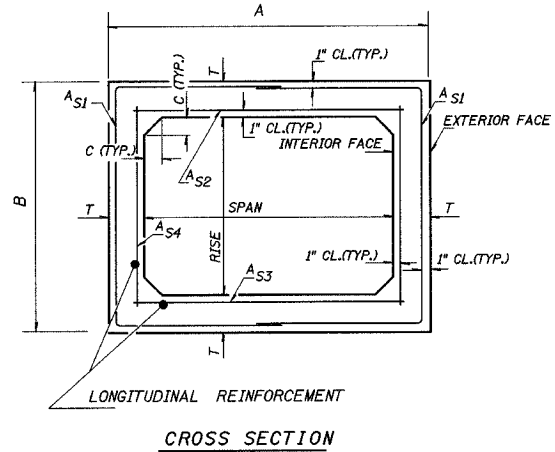
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 46 47 48 49 50 51 52 53 54  
 55 56 57 58 59 60 61 62 63

\*DGN-SPEC\*  
 \*DATE\*

# DETAIL OF PRECAST CONCRETE BOX CULVERT END SECTION

AASHTO DESIGNATION M259  
 (ASTM DESIGNATION C-789)  
 DESIGN LOADING = HS20-44

\*\*\* NOTE: THE DIMENSIONS INDICATED ARE FOR END SECTIONS THAT ARE TO BE USED WITH PRECAST BOX CULVERT SECTIONS DESIGNED FOR 2 FEET OR MORE OF FILL. THE DIMENSIONS MUST BE MODIFIED FOR THE END SECTION TO BE COMPATIBLE WITH PRECAST CULVERT SECTIONS DESIGNED FOR LESS THAN 2 FEET OF FILL.



CULVERT SIZE	DIMENSIONS **									
	SPANxRISE (FOOT)	T	A	B	C	E	F	G	H	SLOPE
		INCH	FT-IN	FT-IN	INCH	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN
2x2	4	2-8	2-8	4	3-0	3-0	1-0	1-0	3:1	
3x2	4	3-8	2-8	4	3-0	3-0	1-0	1-0	3:1	
3x3	4	3-8	3-8	4	2-0	4-0	1-8	1-4	3:1	
4x2	5	4-10	2-10	5	3-0	3-0	1-0	1-0	3:1	
4x3	5	4-10	3-10	5	2-0	4-0	1-8	1-4	3:1	
4x4	5	4-10	4-10	5	2-0	4-0	2-0	2-0	2:1	
5x2	6	6-0	3-0	6	3-0	3-0	1-0	1-0	3:1	
5x3	6	6-0	4-0	6	2-0	4-0	1-8	1-4	3:1	
5x4	6	6-0	5-0	6	2-0	4-0	2-0	2-0	2:1	
5x5	6	6-0	6-0	6	2-0	4-0	3-0	2-0	2:1	
6x2	7	7-2	3-2	7	3-0	3-0	1-0	1-0	3:1	
6x3	7	7-2	4-2	7	2-0	4-0	1-8	1-4	3:1	
6x4	7	7-2	5-2	7	2-0	4-0	2-0	2-0	2:1	
6x5	7	7-2	6-2	7	2-0	4-0	3-0	2-0	2:1	
6x6	7	7-2	7-2	7	2-0	4-0	4-0	2-0	2:1	
7x4	8	8-4	5-4	8	2-0	4-0	2-0	2-0	2:1	
7x5	8	8-4	6-4	8	2-0	4-0	3-0	2-0	2:1	
7x6	8	8-4	7-4	8			4-0	2-0		
7x7	8	8-4	8-4	8			5-0	2-0		
8x4	8	9-4	5-4	8	2-0	4-0	2-0	2-0	2:1	
8x5	8	9-4	6-4	8	2-0	4-0	3-0	2-0		
8x6	8	9-4	7-4	8	2-0	4-0	4-0	2-0		
9x5	9	10-6	6-6	9	2-0	4-0	3-0	2-0		
9x6	9	10-6	7-6	9	2-0	4-0	4-0	2-0		

CULVERTS WITH RISE > 12 FT REQUIRE CAST-IN-PLACE END SECTIONS

**GENERAL NOTES**

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04(d) OF THE STANDARD SPECIFICATIONS.  
 MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.  
 THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH ACCORDANCE WITH ARTICLE 542.04(d) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS A<sub>S1</sub>, A<sub>S2</sub>, A<sub>S3</sub>, AND A<sub>S4</sub> DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M259. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO SPECIFICATIONS M55.  
 LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER THE END SECTIONS ARE IN PLACE.

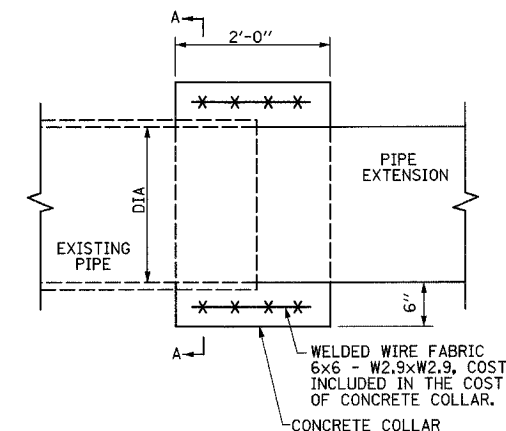
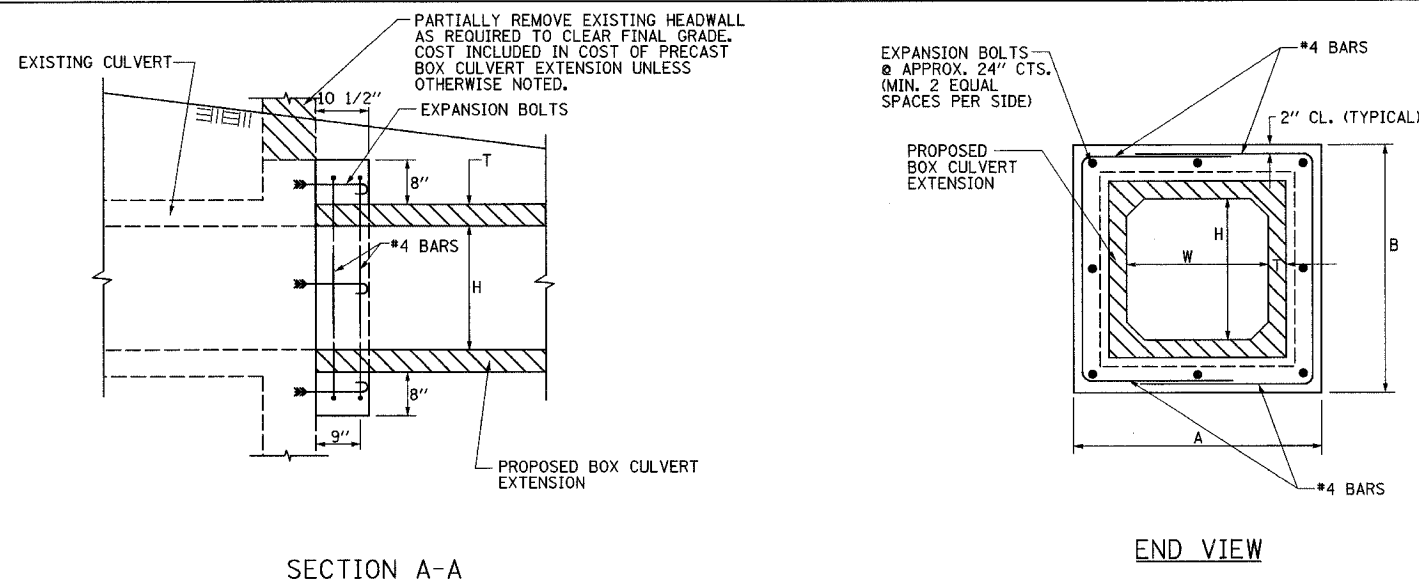
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
174	107 WRS-2, L	EFFINGHAM	127	70
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

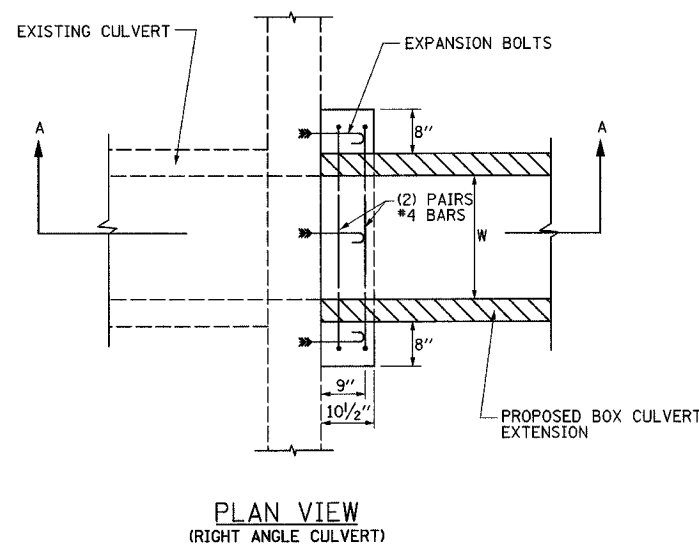
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>PRECAST CONCRETE BOX CULVERT DETAILS            SHEET 3 OF 3</p> <p>DATE REVISED: 05/28/99</p> <p>DRAWN BY DIST. 7            CHECKED BY BWC</p>

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	71
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

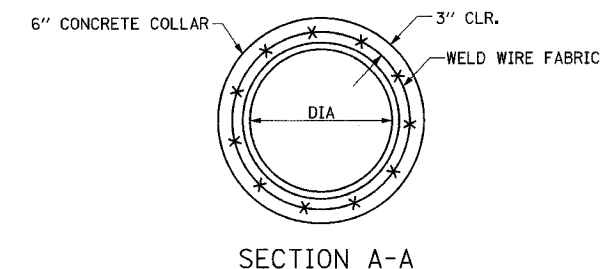


PLAN



PLAN VIEW  
(RIGHT ANGLE CULVERT)

NOTE: EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELDS AND HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO THE NEW CONCRETE.



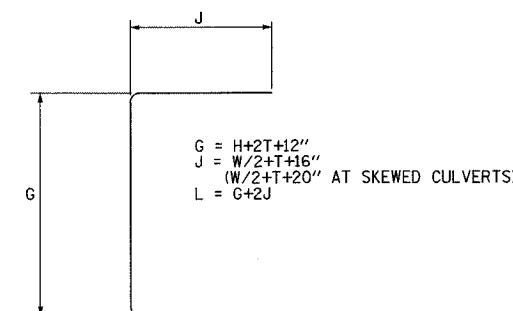
SECTION A-A

STATION	DIA (INCHES)	EXTENS LENGTH (FEET)	PRC FLARED END SECTION (EACH)	CONCRETE COLLAR * (CU YD)
RT/54+48.13	24	18	1	0.3
TOTAL				0.3

\* THE COST OF CONCRETE COLLAR FOR PIPE CULVERT EXTENSION IS TO BE INCLUDED IN THE COST OF CONCRETE PIPE EXTENSION.

SIDE	STATION	CULVERT SIZE	EXTENSION LENGTH FEET	CULVERT NO.	DESIGN FILL HEIGHT FEET	BOX CULVERT END SECTION EACH	SKEW ANGLE DEGREE	DIMENSIONS						REINFORCEMENT BARS				EXPANSION BOLTS 3/4" EACH	CONCRETE COLLAR * CU YD	
								A INCHES	B INCHES	C INCHES	W INCHES	H INCHES	T INCHES	G INCHES	J INCHES	L INCHES	NUMBER BARS			LB
LT	936+34.32	PCBC 3'x2'	26	1	<2'	1	-	60	48	-	36	24	4	44	38	120	4	27	8	0.3
RT	936+34.32	PCBC 3'x2'	26	1	<2'	1	-	60	48	-	36	24	4	44	38	120	4	27	8	0.3
TOTALS:																54	16	0.6		

\*SKEWED CULVERT



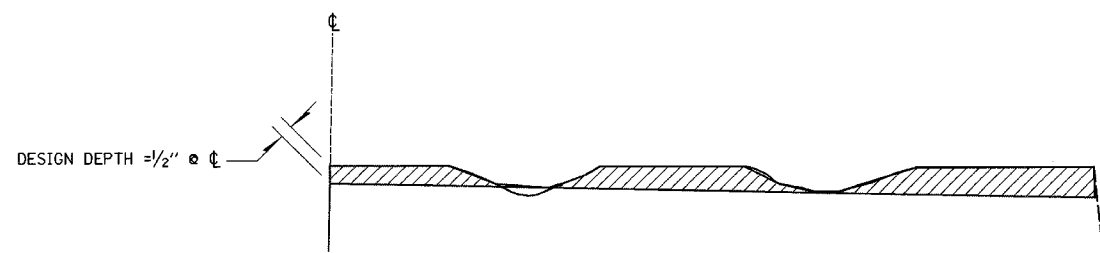
\* THE COST OF CONCRETE COLLAR FOR PRECAST BOX CULVERT EXTENSION IS TO BE INCLUDED IN THE COST OF BOX CULVERT EXTENSION.

### CONCRETE BOX CULVERT EXTENSIONS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>CULVERT EXTENSION COLLAR DETAILS</p> <p>DRAWN BY ASB CHECKED BY SJK</p> <p>DATE 8/02</p>

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	72
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

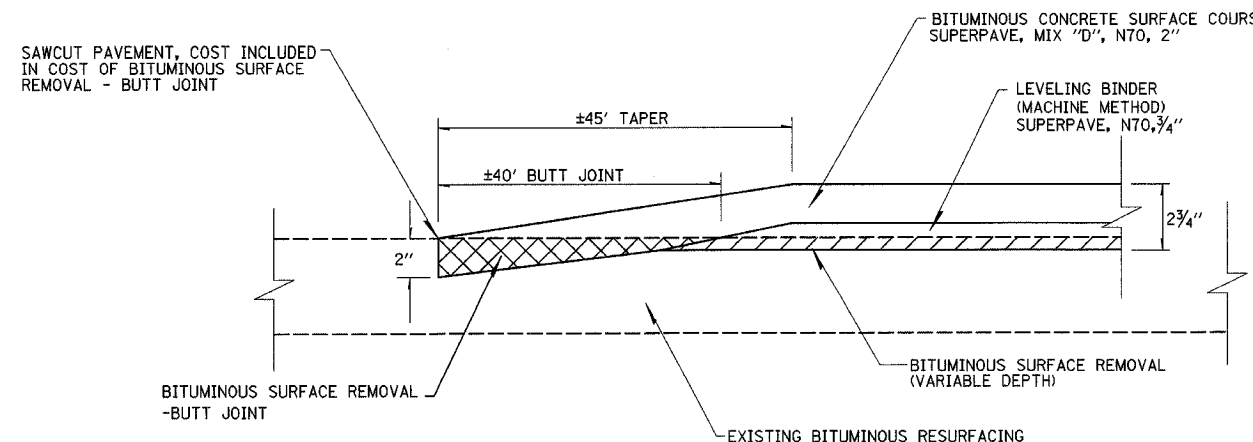
CONTRACT NO. 74130



NOTES:

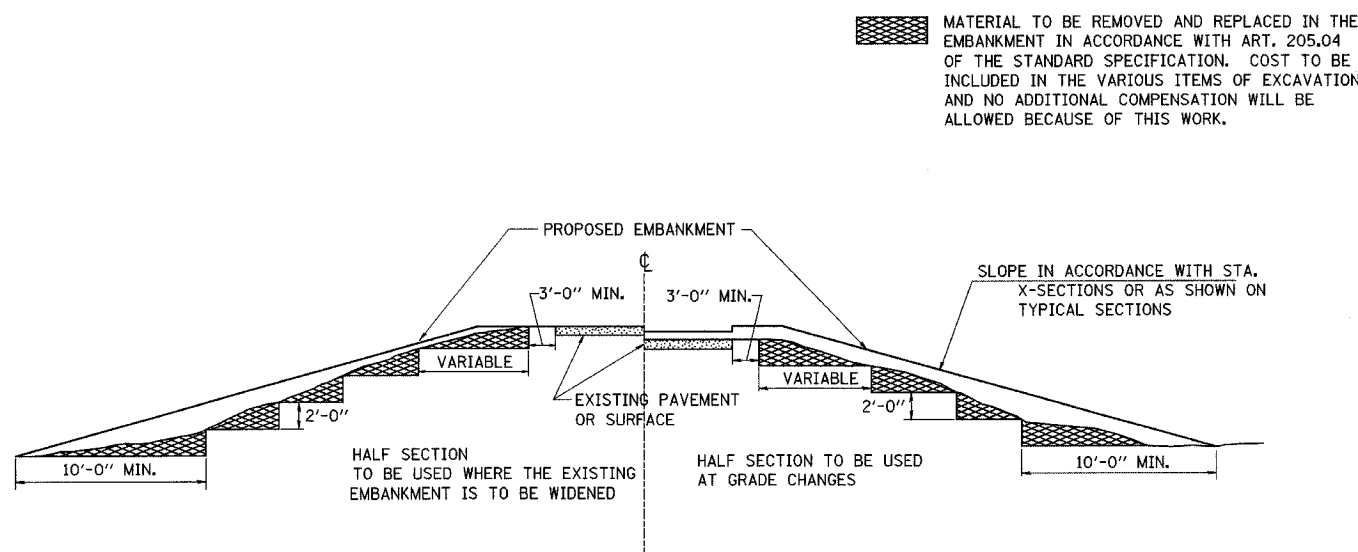
1. MILLING SHALL BE DONE TO ATTAIN REQUIRED SLOPE IN CROWN SECTIONS
2. EXISTING S.E. AND S.E. TRANSITIONS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS.
3. MILLING TO THE BOTTOM OF WHEEL RUTS SHALL NOT BE NECESSARY UNLESS REQUIRED TO OBTAIN SLOPE OR THE DESIGN DEPTH AT CENTERLINE.
4. THE AVERAGE DEPTH OF MILLING IS ESTIMATED TO BE 1/2" BUT MAY VARY IN ISOLATED LOCATIONS.

**BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) DETAIL**

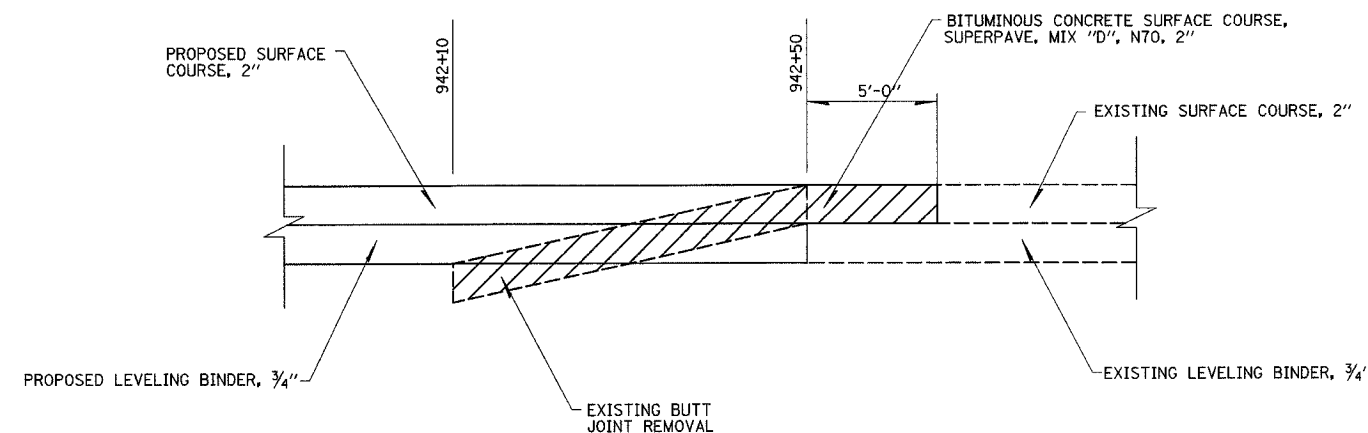


- BITUMINOUS SURFACE REMOVAL - BUTT JOINT
- BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)

**BITUMINOUS SURFACE REMOVAL-BUTT JOINT DETAIL**



**TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL**



**BUTT JOINT REMOVAL DETAIL**

NOTE: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR BITUMINOUS SURFACE REMOVAL - BUTT JOINT.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MISCELLANEOUS ROADWAY DETAILS

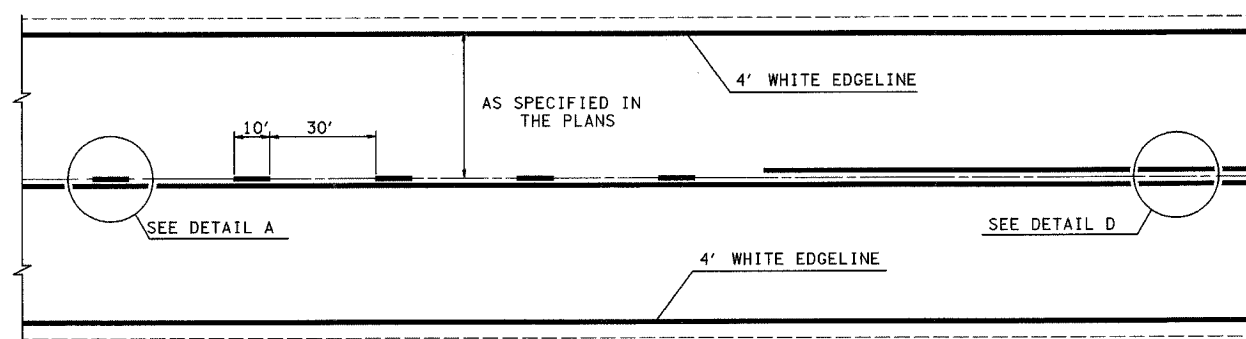
DATE 8/02

DRAWN BY DIST. 7  
CHECKED BY BWC

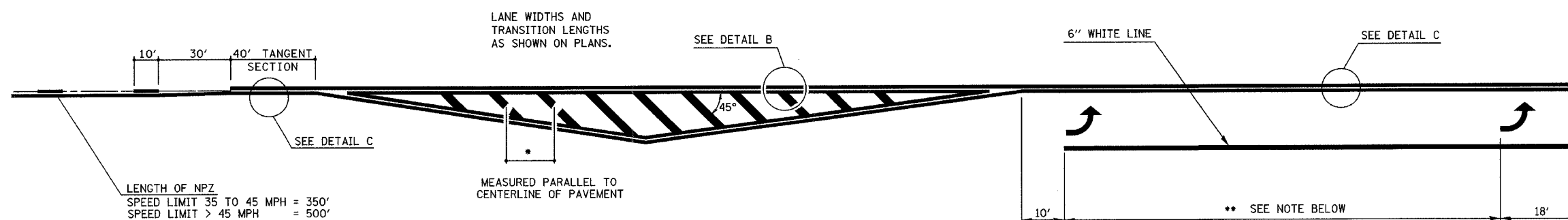
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	73
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

1 2 3 4 5 6 7 8 9 \$\$\$DATE\$\$  
 10 11 12 13 14 15 16 17 18 \*DGN-SPEC\*  
 19 20 21 22 23 24 25 26 27 \*DGN-SPEC\*  
 28 29 30 31 32 33 34 35 36 \*DGN-SPEC\*  
 37 38 39 40 41 42 43 44 45 \*DGN-SPEC\*  
 46 47 48 49 50 51 52 53 54 \*DGN-SPEC\*  
 55 56 57 58 59 60 61 62 63 \*DGN-SPEC\*



TYPICAL CENTERLINE, NO PASSING ZONE LINE (NPZ) & EDGELINE MARKINGS  
 2-LANE PAVEMENT

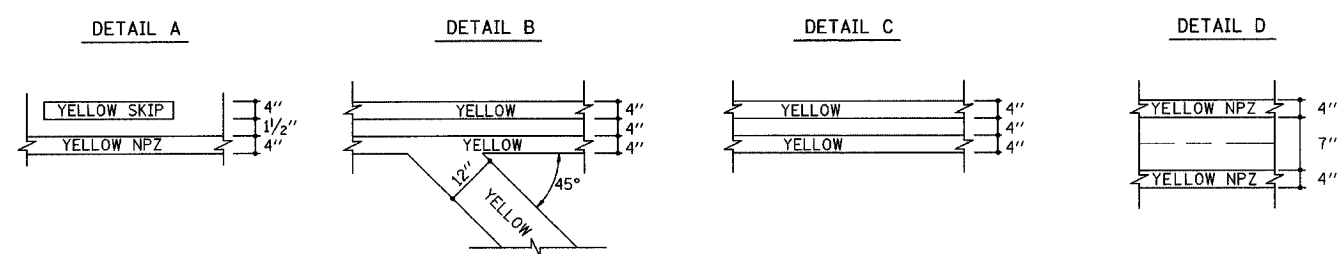


LENGTH OF NPZ  
 SPEED LIMIT 35 TO 45 MPH = 350'  
 SPEED LIMIT > 45 MPH = 500'

\*DIAGONAL SPACING  
 SPEED LIMIT < 30 MPH = 15'  
 SPEED LIMIT 30 TO 45 MPH = 20'  
 SPEED LIMIT > 45 MPH = 30'

\*\* PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.  
 PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR, IF REQUIRED,  
 ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.

- NOTES:
1. OMIT EDGELINE THRU SIDE ROADS.
  2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
  3. WHEN MEDIANS ARE PRESENT, PLACE A SINGLE YELLOW STRIPE AROUND ITS PERIMETER.



REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

NOT TO SCALE  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL APPLICATION OF PAVEMENT MARKINGS - CHANNELIZATION AND 2 LANE PAVEMENTS  
 SCALE: VERT. \_\_\_\_\_  
 DATE: \_\_\_\_\_ HORIZ. \_\_\_\_\_  
 ISSUED: 05-06-96 DRAWN BY: DIST 7  
 CHECKED BY: BWC

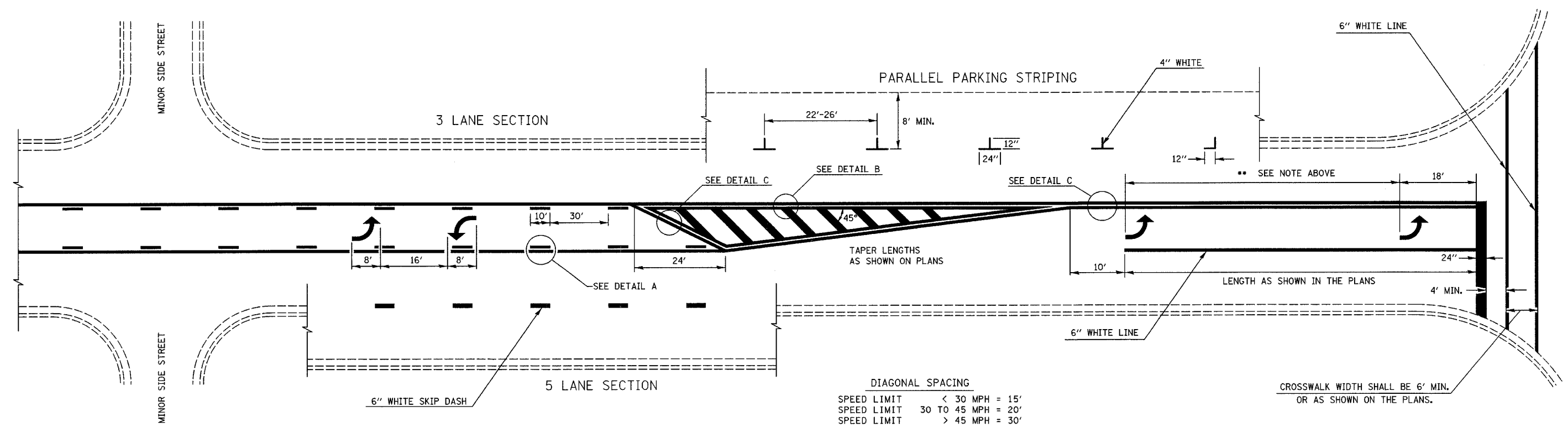
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	74
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74130

1 2 3 4 5 6 7 8 9  
 10 11 12 13 14 15 16 17 18  
 19 20 21 22 23 24 25 26 27  
 28 29 30 31 32 33 34 35 36  
 37 38 39 40 41 42 43 44  
 45 46 47 48 49 50 51 52 53 54  
 55 56 57 58 59 60 61 62 63

DATE: 05-06-96  
 DGN-SPEC: EPMD1  
 MMO REV: 05-06-96

\*\* PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.  
 PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR. IF REQUIRED,  
 ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.



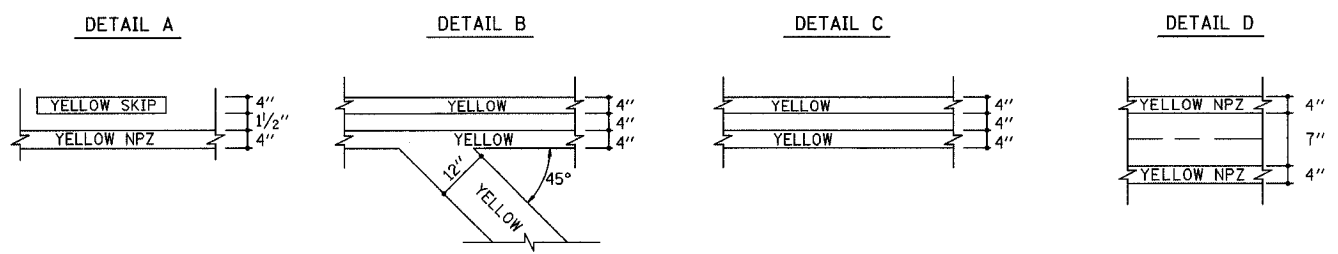
DIAGONAL SPACING

SPEED LIMIT	< 30 MPH	= 15'
SPEED LIMIT	30 TO 45 MPH	= 20'
SPEED LIMIT	> 45 MPH	= 30'

CROSSWALK WIDTH SHALL BE 6' MIN.  
 OR AS SHOWN ON THE PLANS.

TYPICAL BI-DIRECTIONAL TURN LANE MARKINGS  
 (SHOWING TRANSITION TO EXCLUSIVE LEFT TURN LANE)

- NOTES:
- NO LESS THAN 2 ARROWS SHALL BE USED.
  - TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
  - AVOID PLACING BI-DIRECTIONAL ARROWS IN INTERSECTIONS.
  - BI-DIRECTIONAL ARROWS SHALL BE SPACED A MAXIMUM OF 250'.



NOT TO SCALE

REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL APPLICATION  
 OF PAVEMENT  
 MARKINGS - BI-DIRECTIONAL  
 TURN LANE

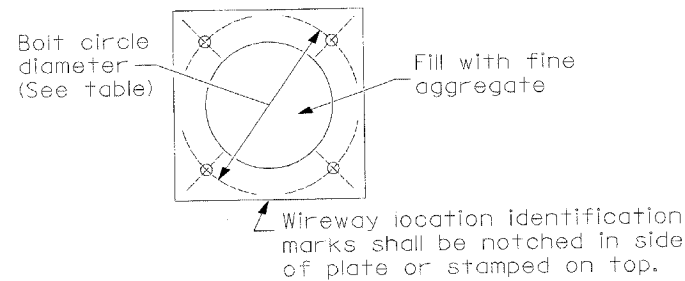
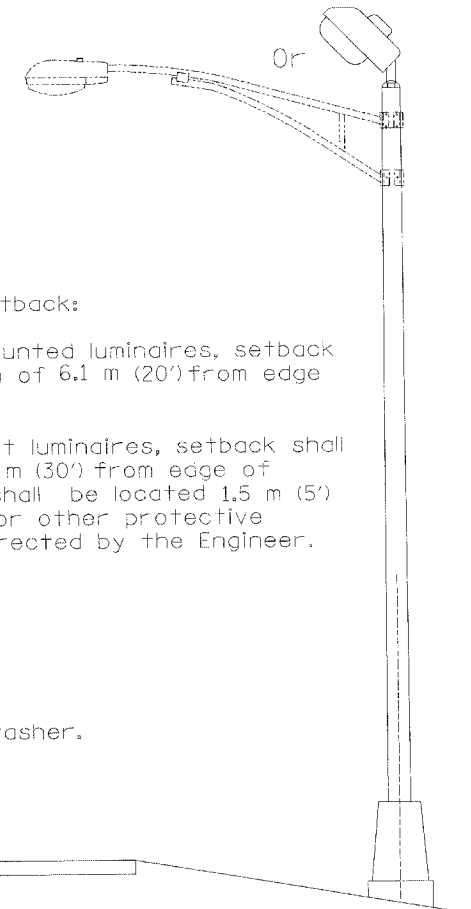
SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY: DIST 7  
 CHECKED BY: BWC

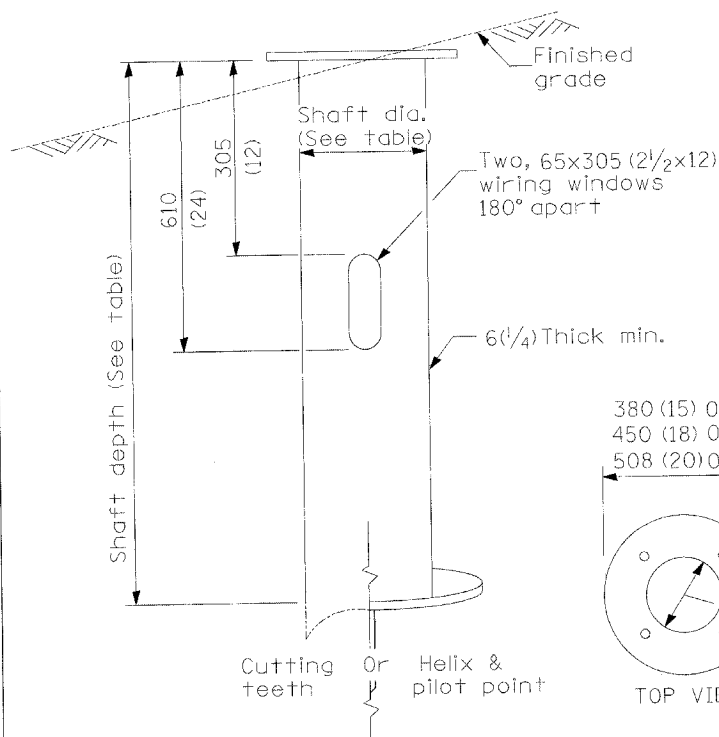
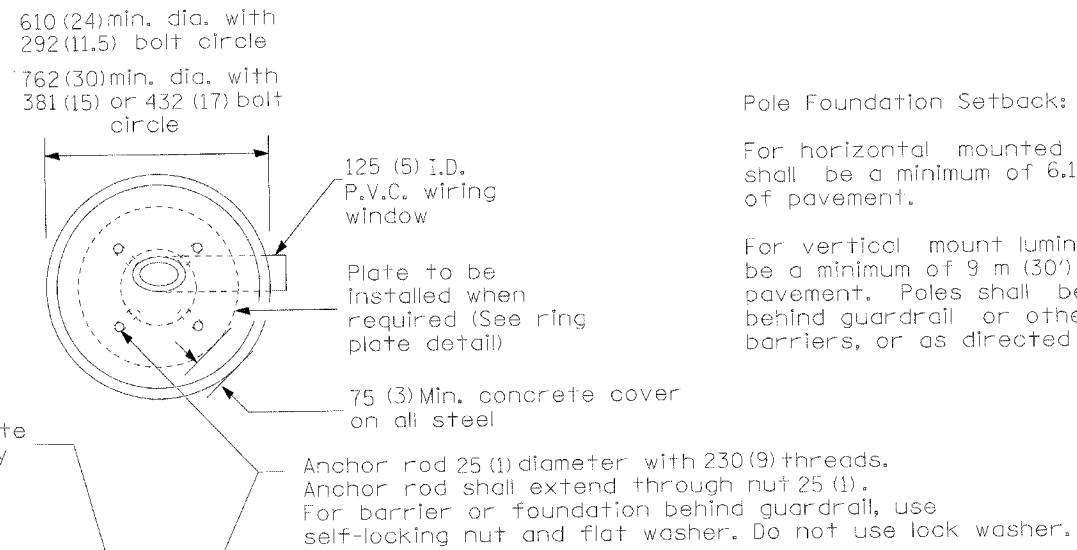


LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ①
< 9.1 m (30')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 (15) ③	220 (8 5/8)	2.44 m (8')	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	2.13m (7'-0")	2.00 m (6'-9")

- ① Length does not include 100(4)hook
- ② 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires
- ③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used

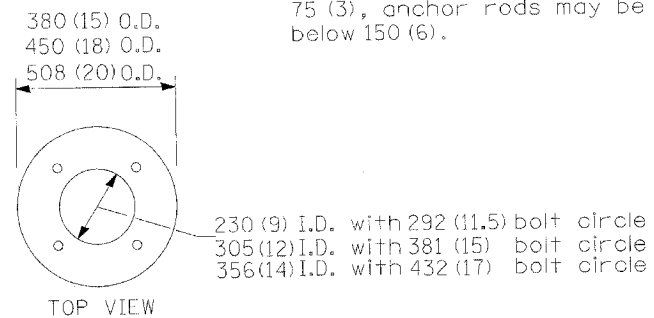


Length above foundation shall be adjusted to accommodate breakaway devices furnished by the contractor for a specific installation.

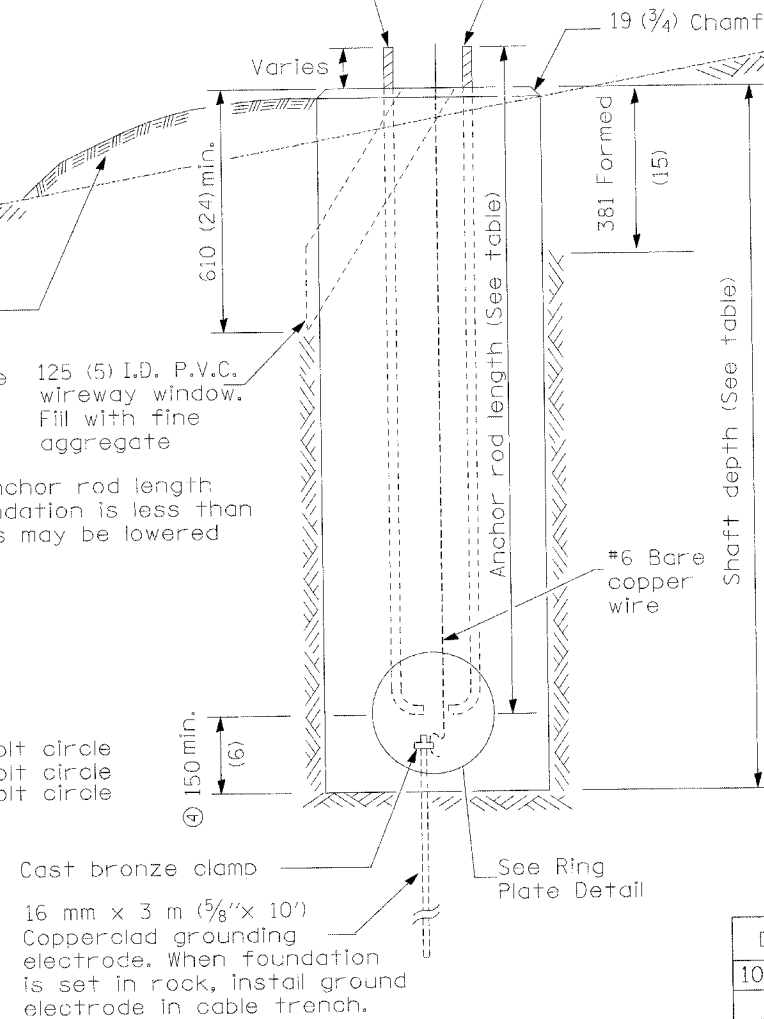


Use dirt removed from foundation to meet 1.52m (5 ft.) chord fill around foundation top. Grade dirt level with bottom of concrete chamfer.

- ④ If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).



**RING PLATE DETAIL**  
(When rock is encountered and foundation is shallower)



**CONCRETE FOUNDATION**

**Notes:**

- 1) Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
- 2) Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
- 3) All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
- 4) Anchor rod shall be increased to 31 (1 1/4) diameter for 15.24 (50') mounting height or above.
- 5) TB3-17 transformer base is not to be used on metal foundation

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

DATE	REVISIONS
10/7/02	Bridge Office depth calc.

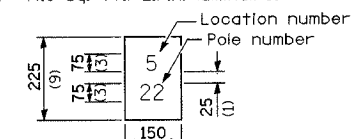
**LIGHT POLE FOUNDATION**

LGT007-836

CONTRACT NO. 74130

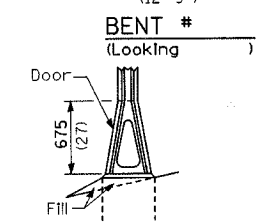
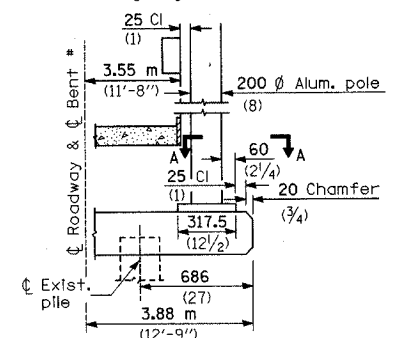
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 (5/16) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional (1/4 to 3/8) turn with hex key (not provided). 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 m<sup>2</sup> (4.0 sq. ft.) E.P.A. luminaire.

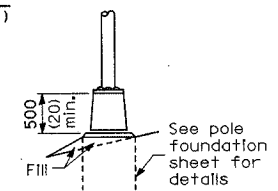


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements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

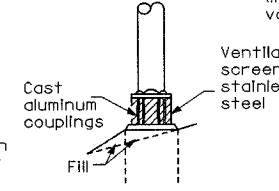
The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.



STAINLESS STEEL FLAIR BASE

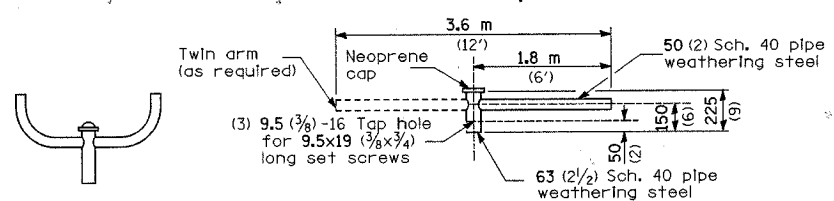


TRANSFORMER BASE



BREAKAWAY COUPLING

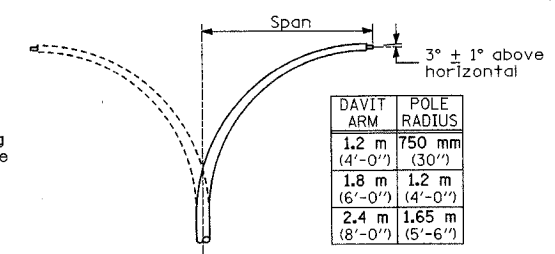
FRANGIBLE



TWIN TENON

TENON MOUNT BRACKET ARM

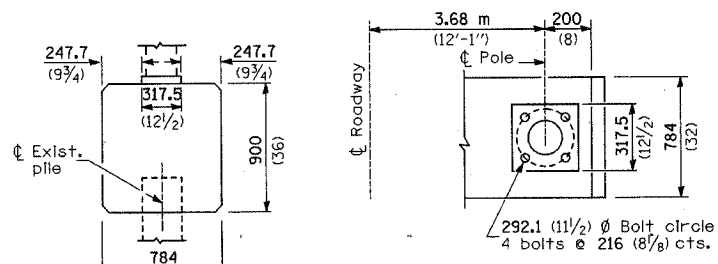
NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



DAVIT ARM	POLE RADIUS
1.2 m (4'-0")	750 mm (30")
1.8 m (6'-0")	1.2 m (4'-0")
2.4 m (8'-0")	1.65 m (5'-6")

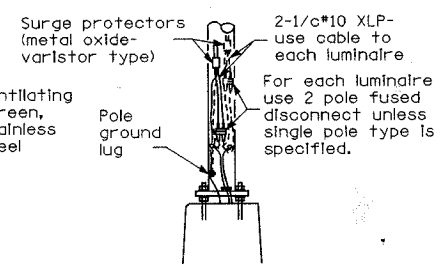
DAVIT ARM (and or)

DAVIT ARM-TWIN



BRIDGE PIER MOUNT

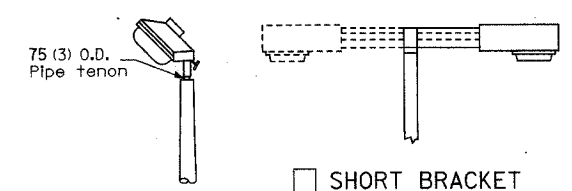
SECTION A-A



ANCHOR

METAL OR  CONCRETE

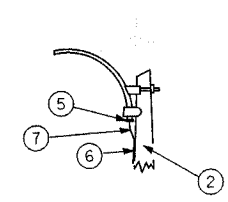
Details for underground distribution if required



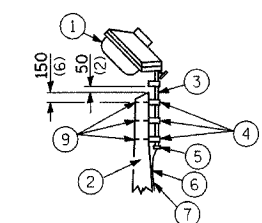
TENON

SHORT BRACKET

SHORT BRACKET - TWIN

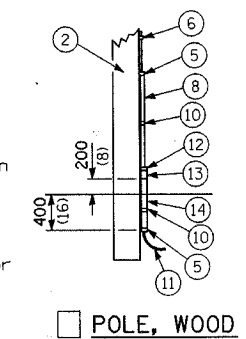


MAST ARM



TENON

- Luminaire
- Wood pole, class 3 or better
- 63 (2 1/2) Galv. steel conduit
- Single offset pole band
- Conduit bushing
- Cable clamps on 600 (24) centers
- 2/c #12 Type use cable
- 25 (1) Galv. steel conduit 3.0 m (10') in length
- 16 (5/8) hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- Conduit clamps on 900 (36) centers
- Unit duct
- Threaded reducer
- 'C' Condulet, threaded
- 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



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.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

DATE 2/03

DRAWN BY DIST. 7  
CHECKED BY BWC

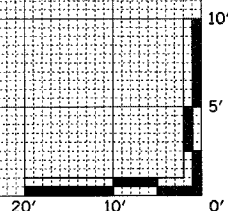
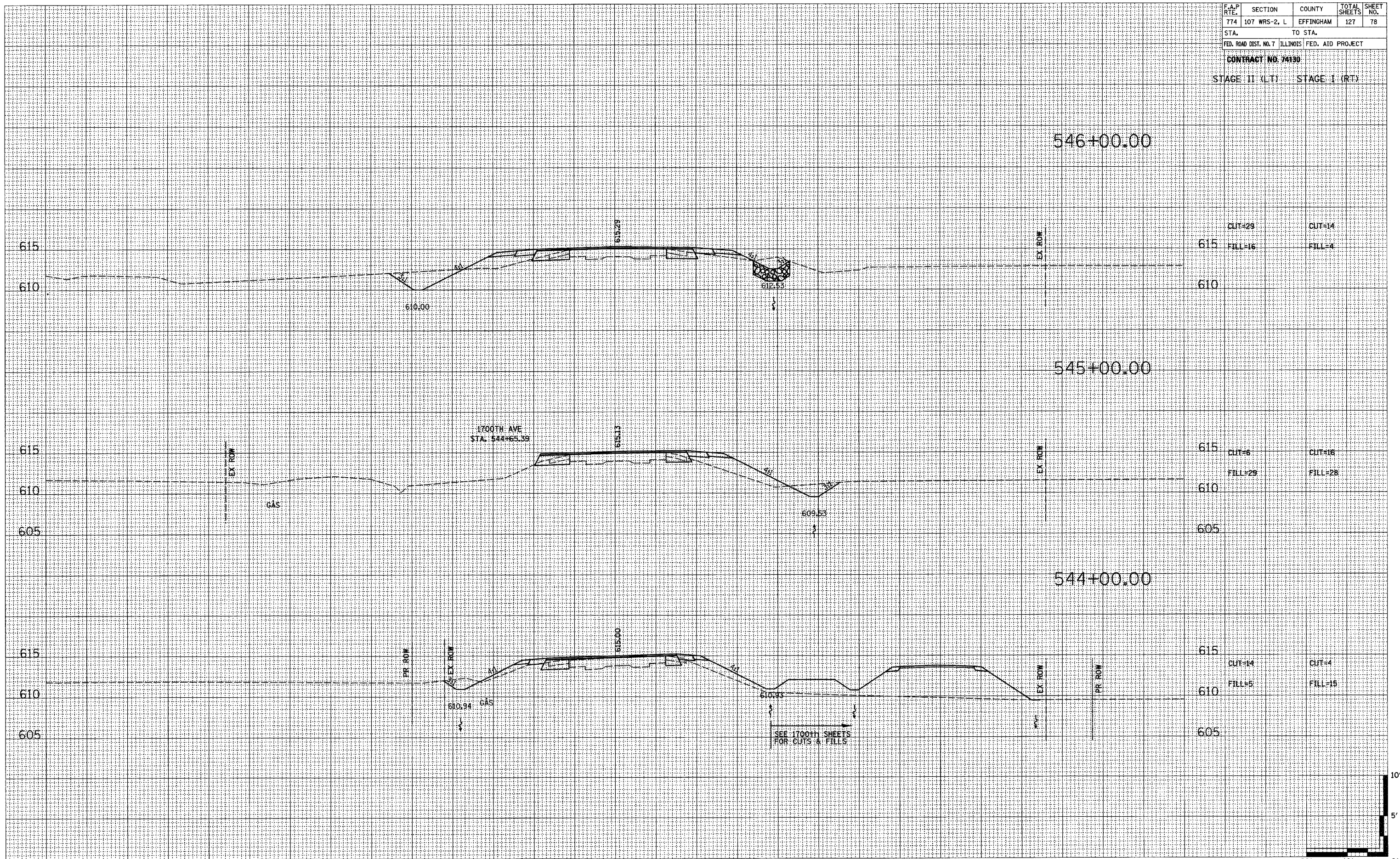




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	78
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 74130				
STAGE II (LT)		STAGE I (RT)		

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY





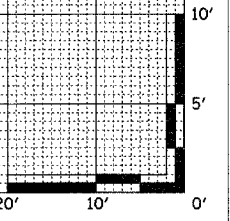
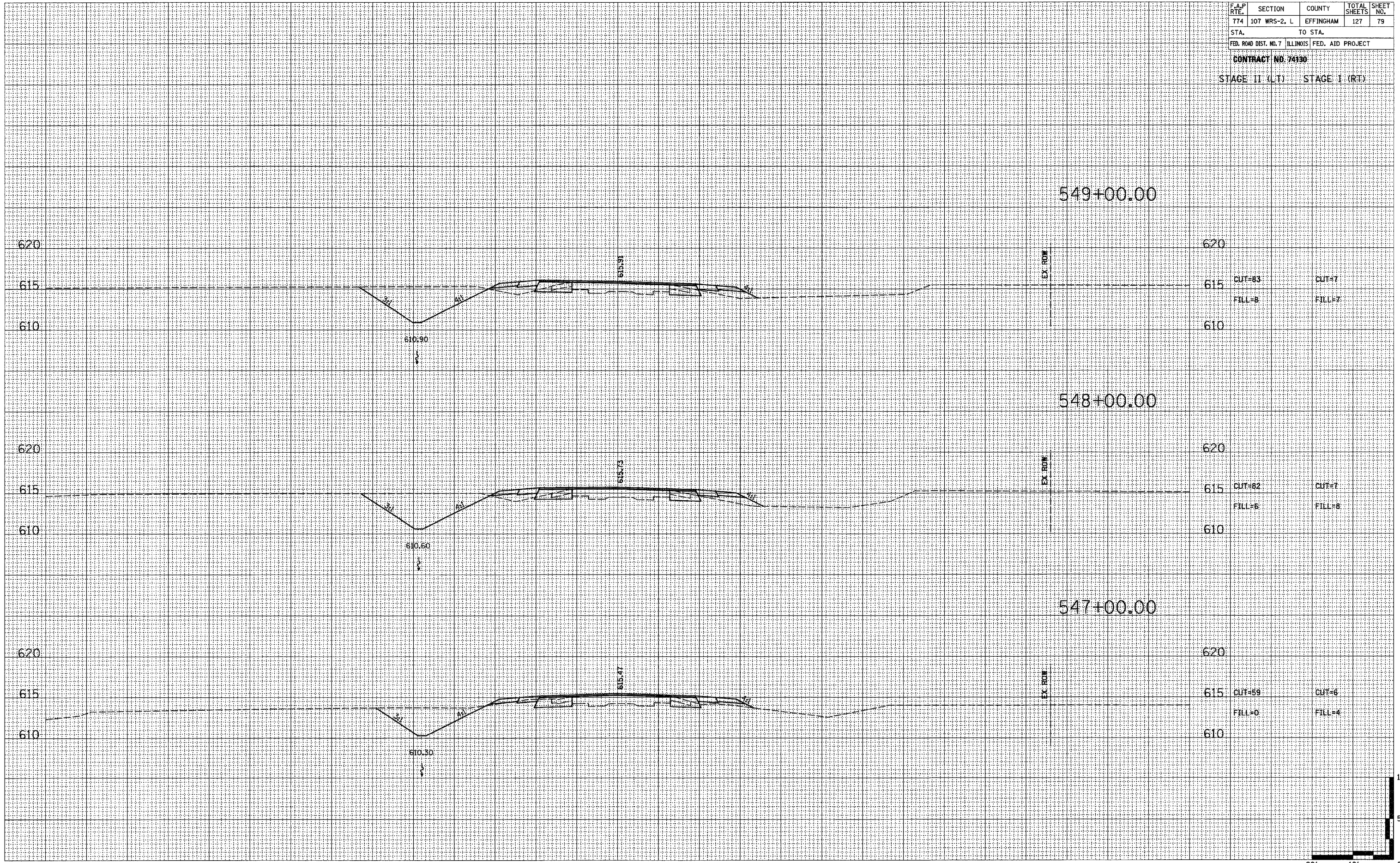
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	79
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 74130  
 STAGE II (LT) STAGE I (RT)

FINAL SURVEY	DATE
REVISIONS	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
REVISIONS	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	















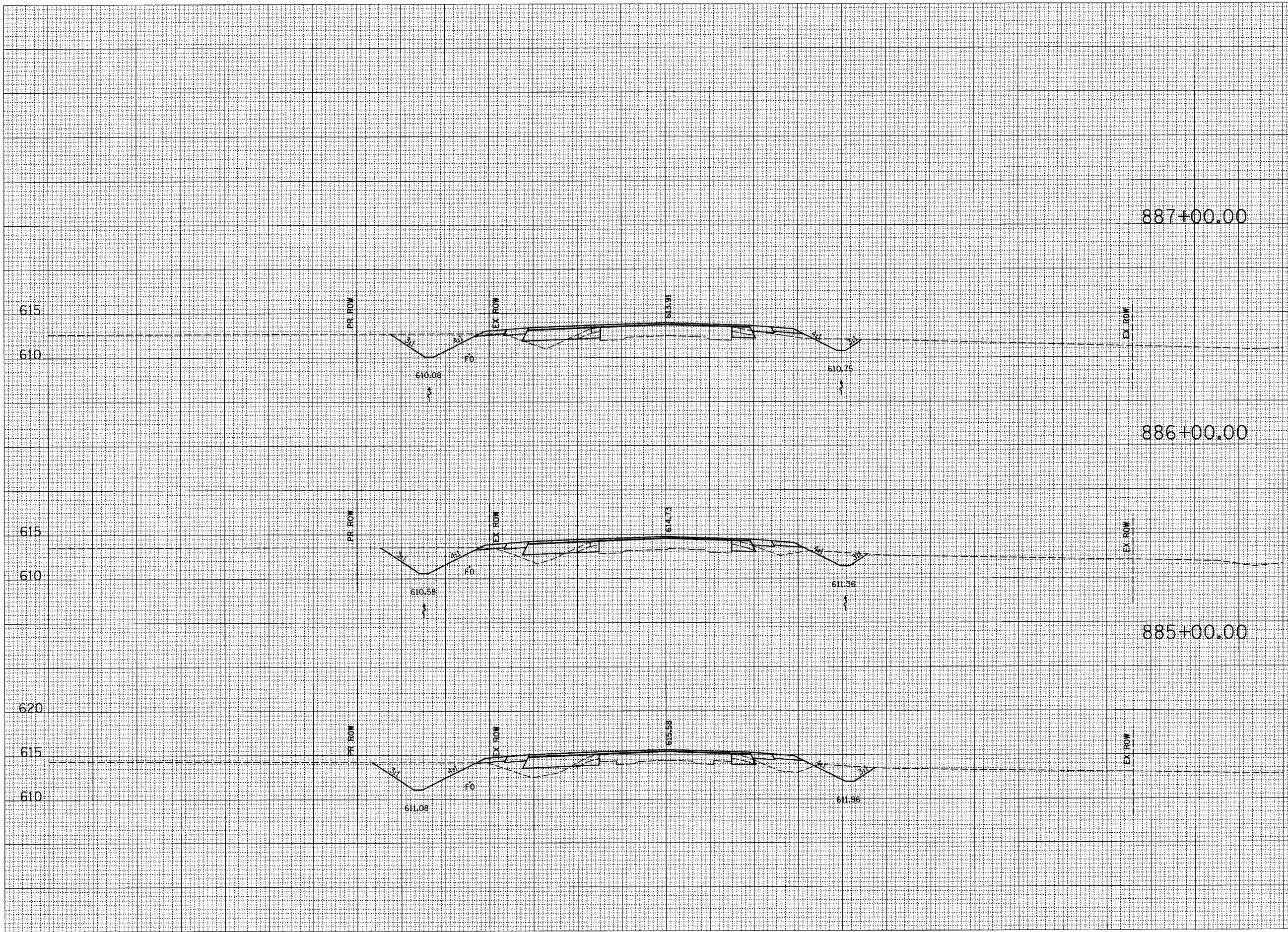


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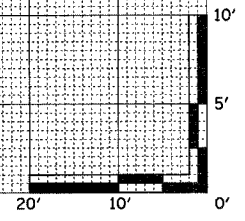
F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	83
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (LT)		STAGE I (RT)		

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

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



615	CUT=35	CUT=13
610	FILL=6	FILL=4
615	CUT=42	CUT=17
610	FILL=10	FILL=8
620	CUT=44	CUT=19
615	FILL=15	FILL=13



130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

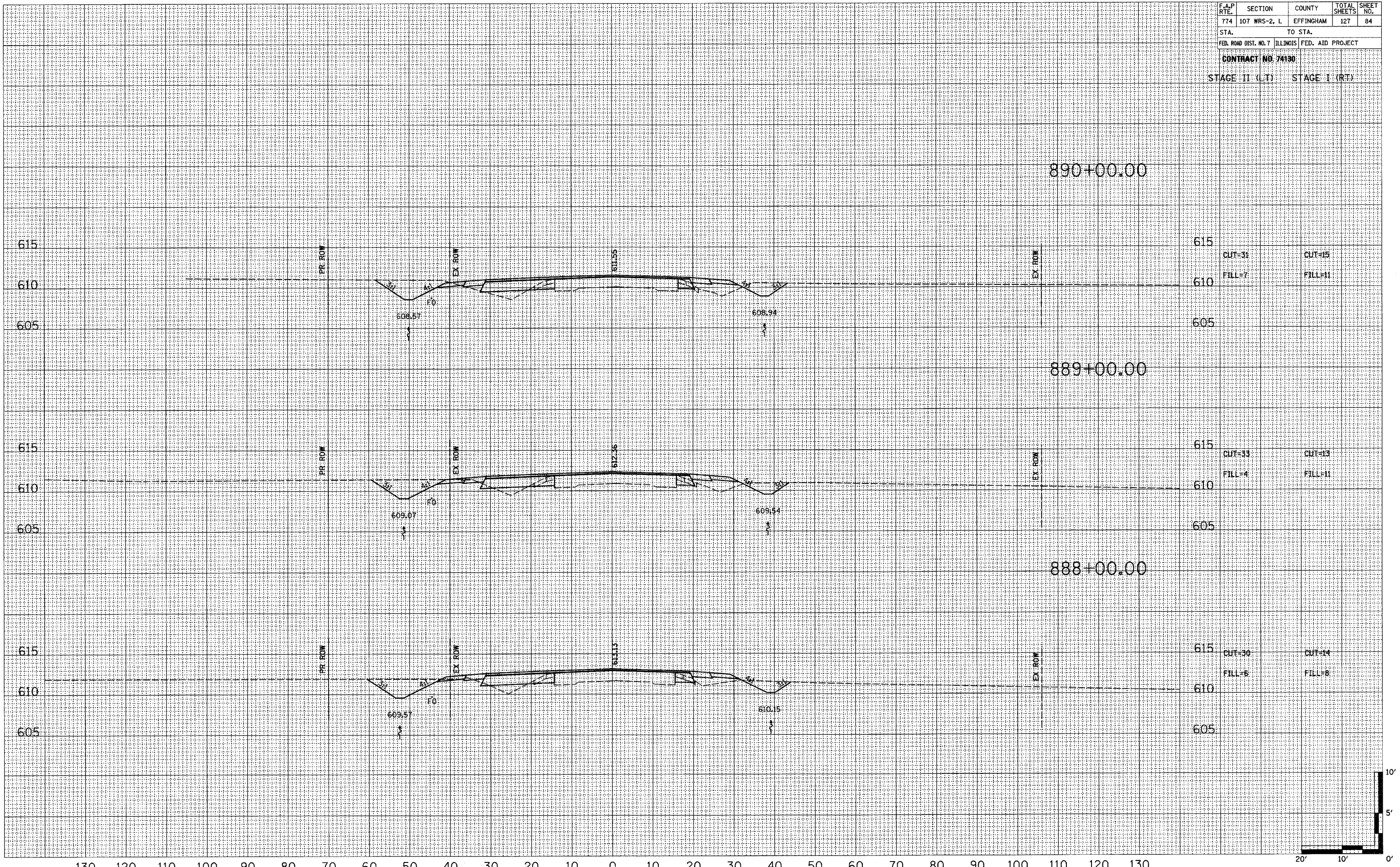


130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	84
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (LT)		STAGE I (RT)		

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

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



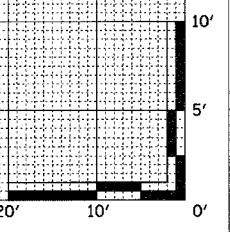
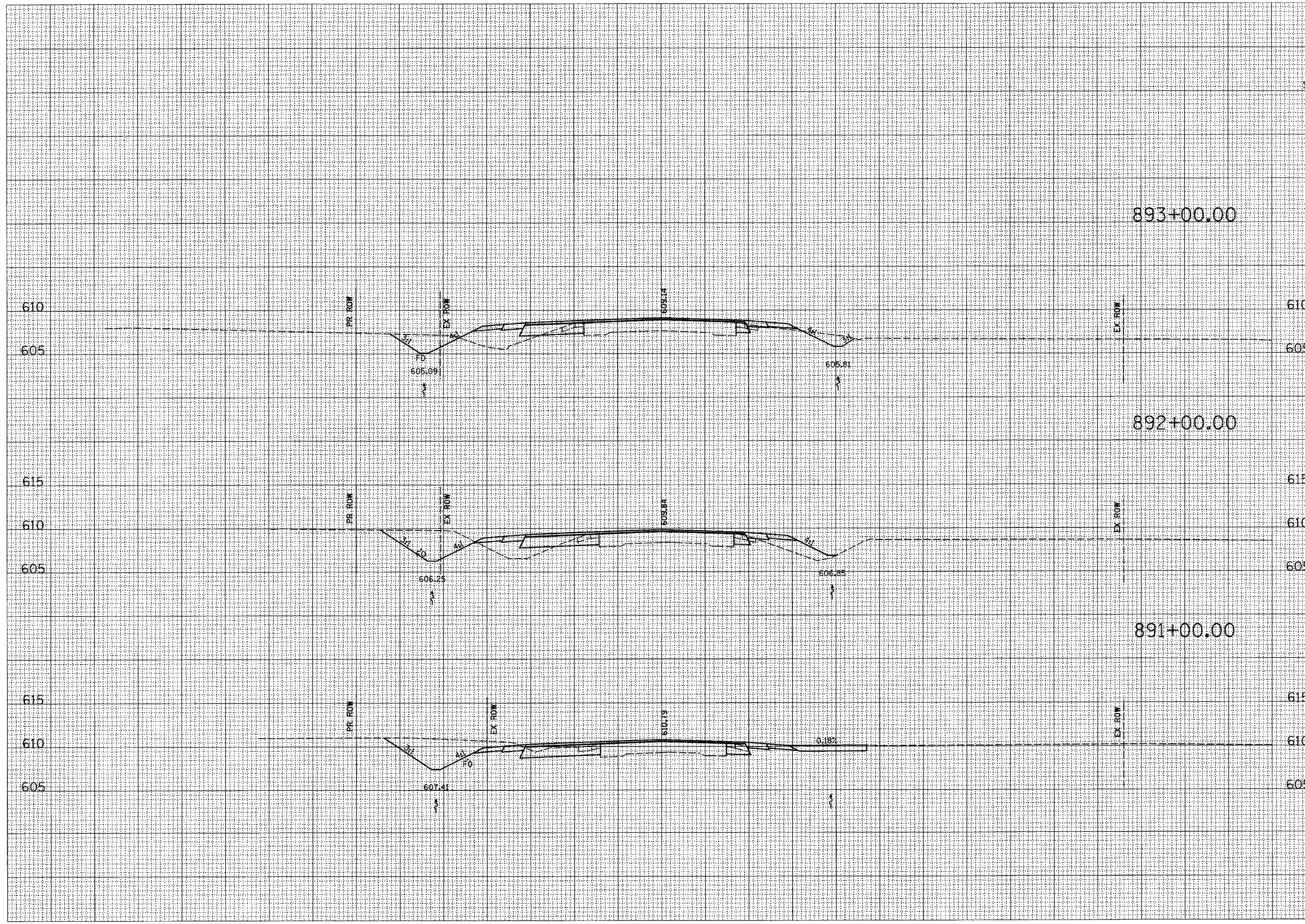


130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	85
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (L.T.)			STAGE I (R.T.)	

DATE	BY
REVISIONS	
NO.	
FINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	BY
REVISIONS	
NO.	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	











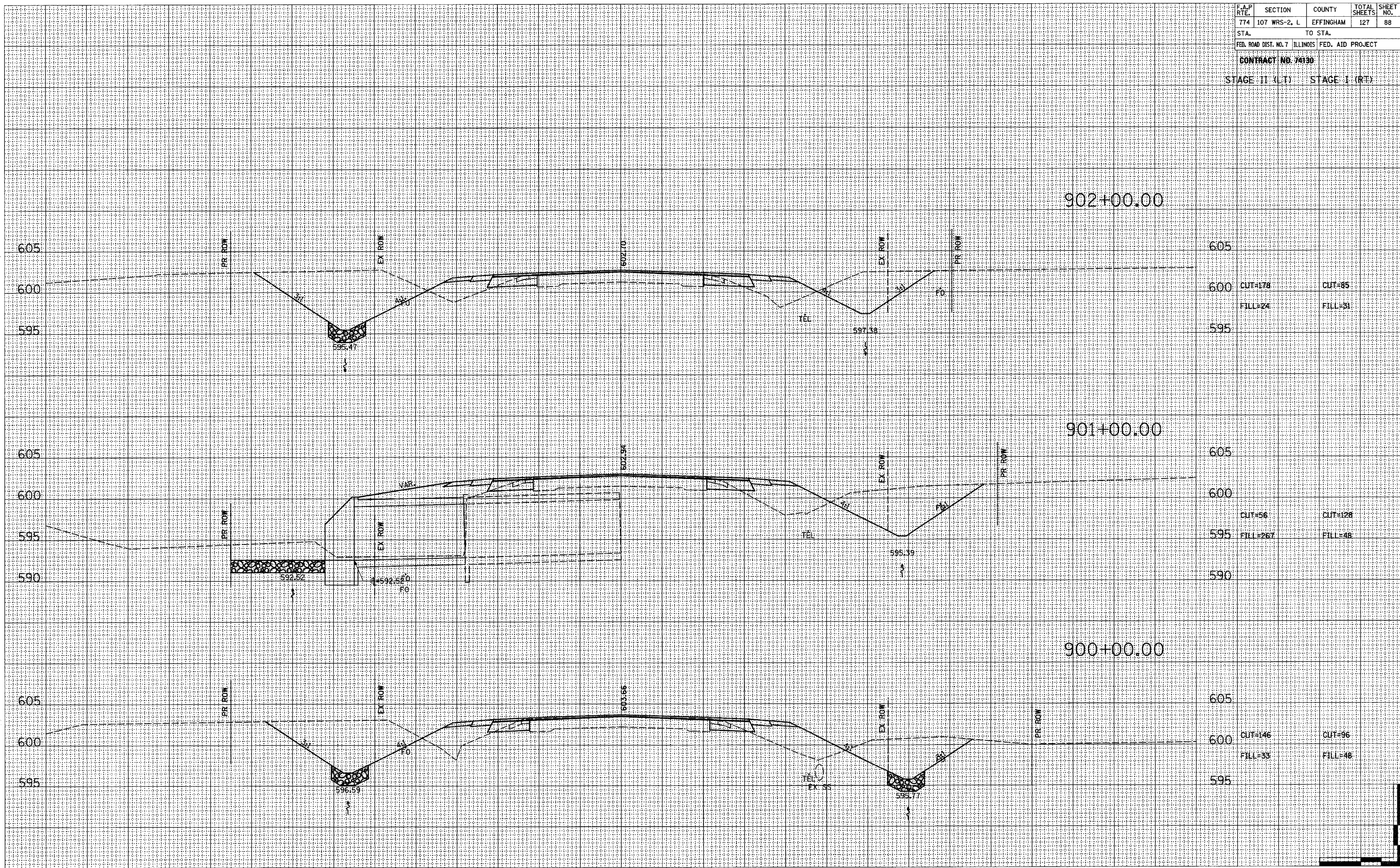


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	88
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74130  
 STAGE II (LT) STAGE I (RT)

FINAL SURVEY	DATE
CONVISED	BY
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
CONVISED	BY
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	



CUT=178  
 FILL=24

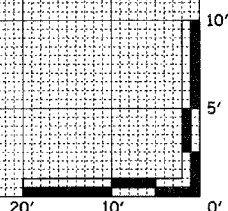
CUT=85  
 FILL=31

CUT=56  
 FILL=267

CUT=128  
 FILL=48

CUT=146  
 FILL=33

CUT=96  
 FILL=48



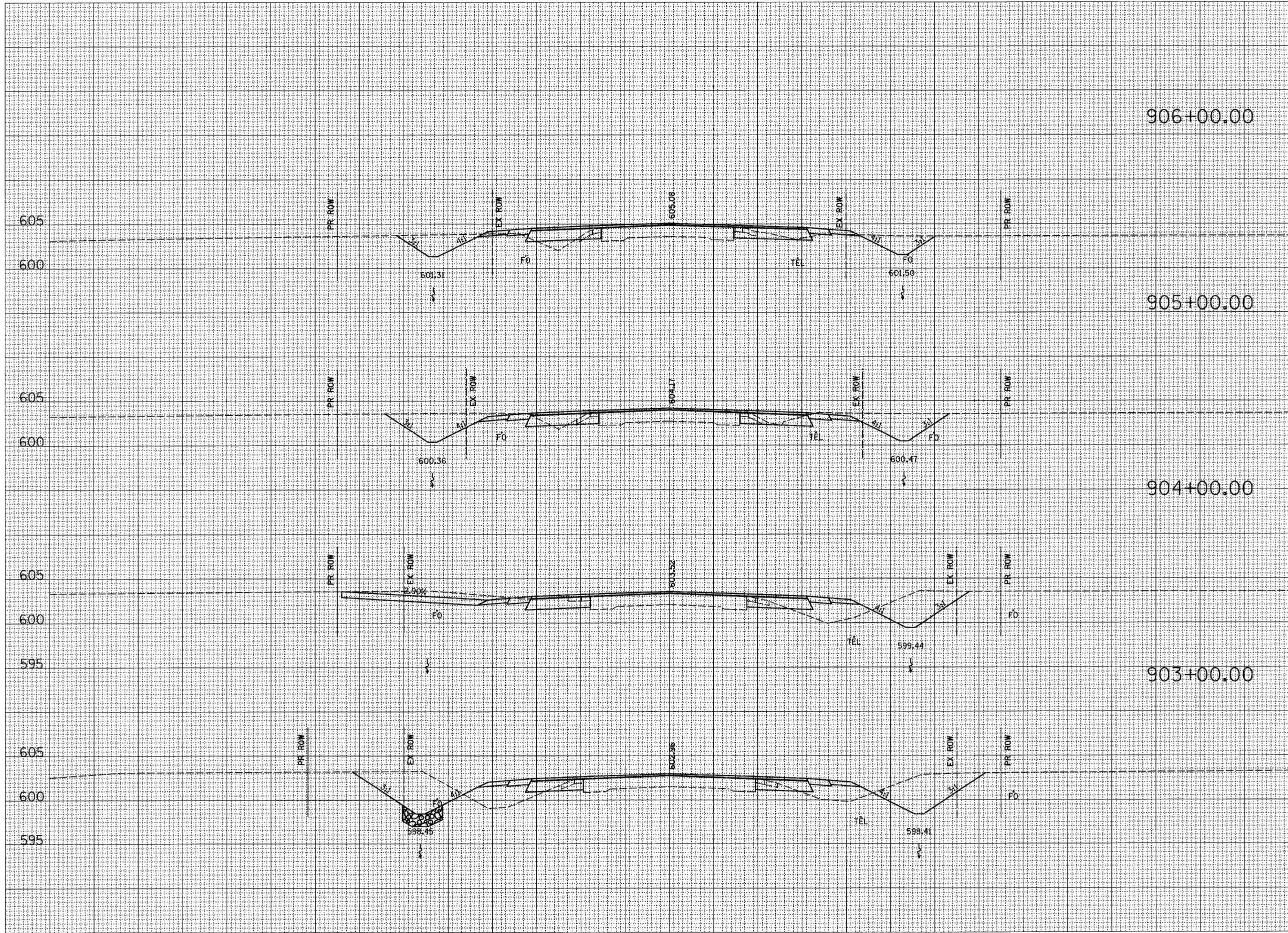


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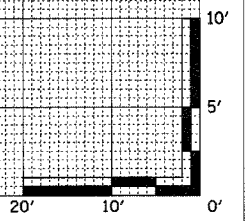
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	89
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 74130				
STAGE II (LT)		STAGE I (RT)		

FINAL SURVEY	DATE
BY	
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
BY	
REVISIONS	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



605	CUT-33	CUT-32
600	FILL-5	FILL-1
605	CUT-61	CUT-58
600	FILL-1	FILL-0
605	CUT-89	CUT-54
600	FILL-0	FILL-24
595	CUT-71	CUT-67
600	FILL-29	FILL-20
595		











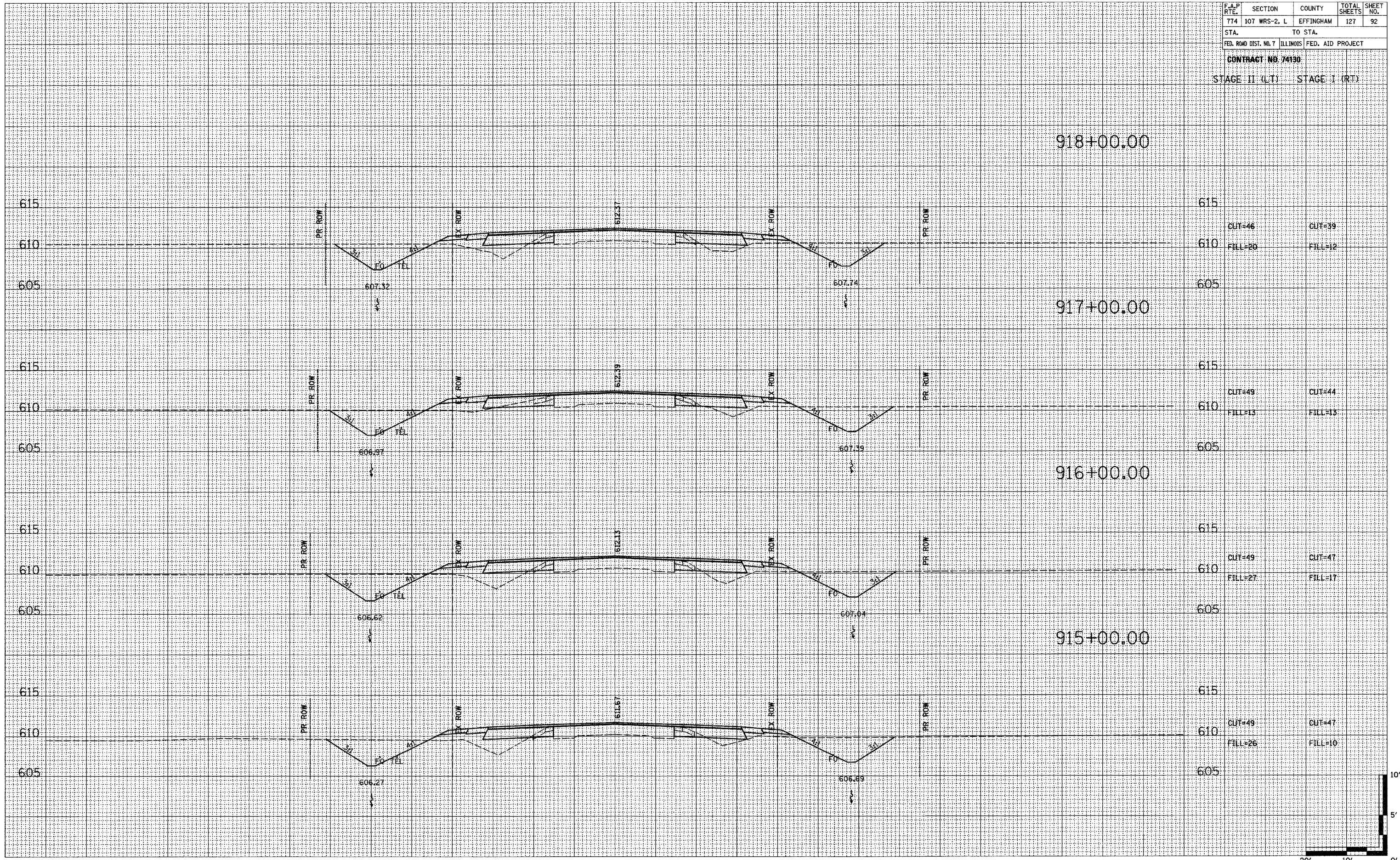


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	92
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (LT)			STAGE I (RT)	

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

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



























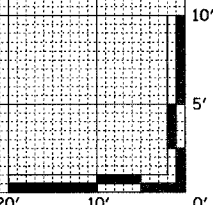
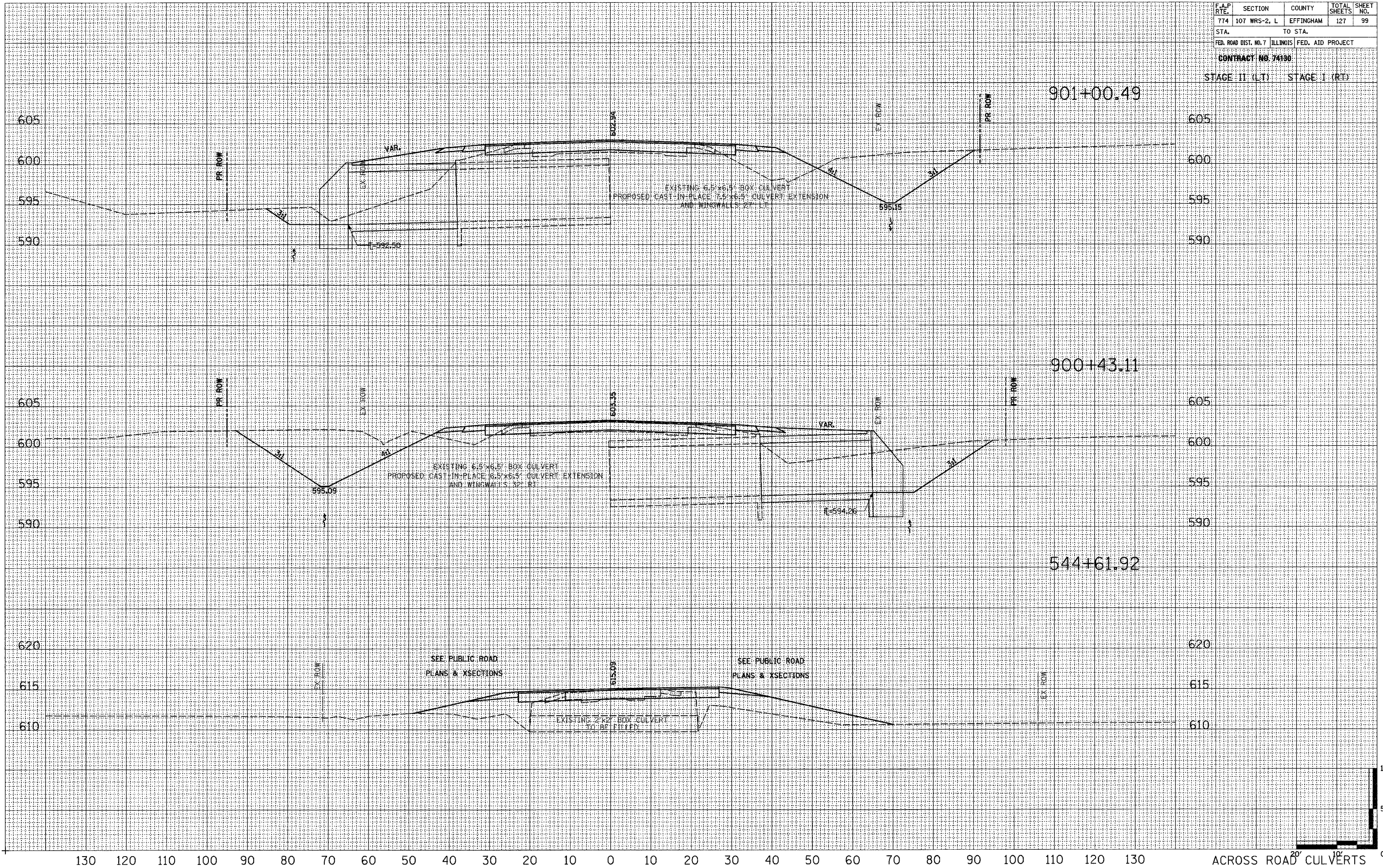


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	99
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				

STAGE II (LT) STAGE I (RT)

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	



ACROSS ROAD CULVERTS

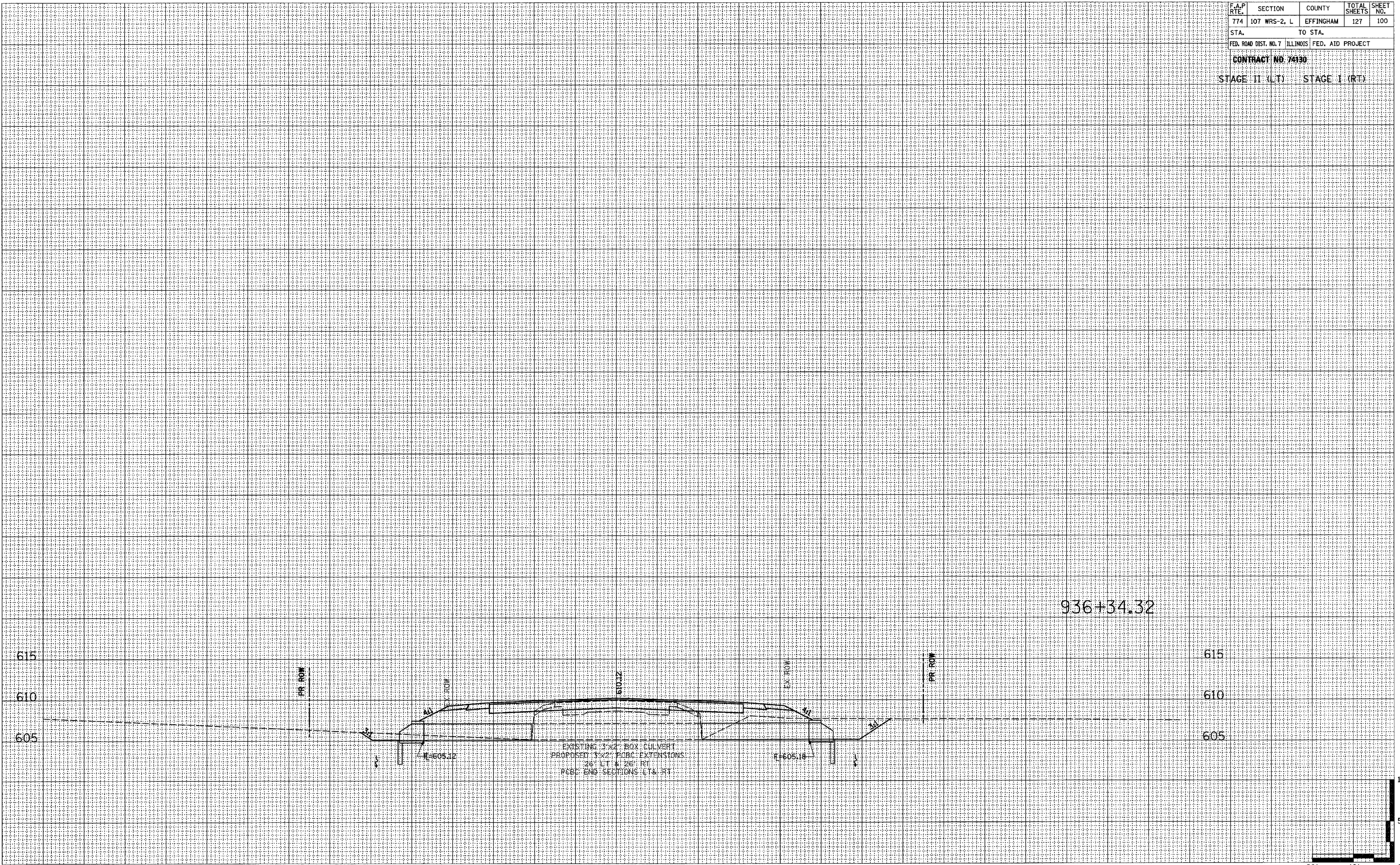


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	100
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 74130				
STAGE II (LT)		STAGE I (RT)		

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

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



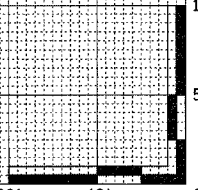
936+34.32

615  
610  
605

PR ROW  
EX ROW  
EX ROW  
PR ROW

615  
610  
605

EXISTING 3'x2' BOX CULVERT  
PROPOSED 3'x2' PCBC EXTENSIONS  
26' LT & 28' RT  
PCBC END SECTIONS LT & RT



130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

ACROSS ROAD CULVERTS

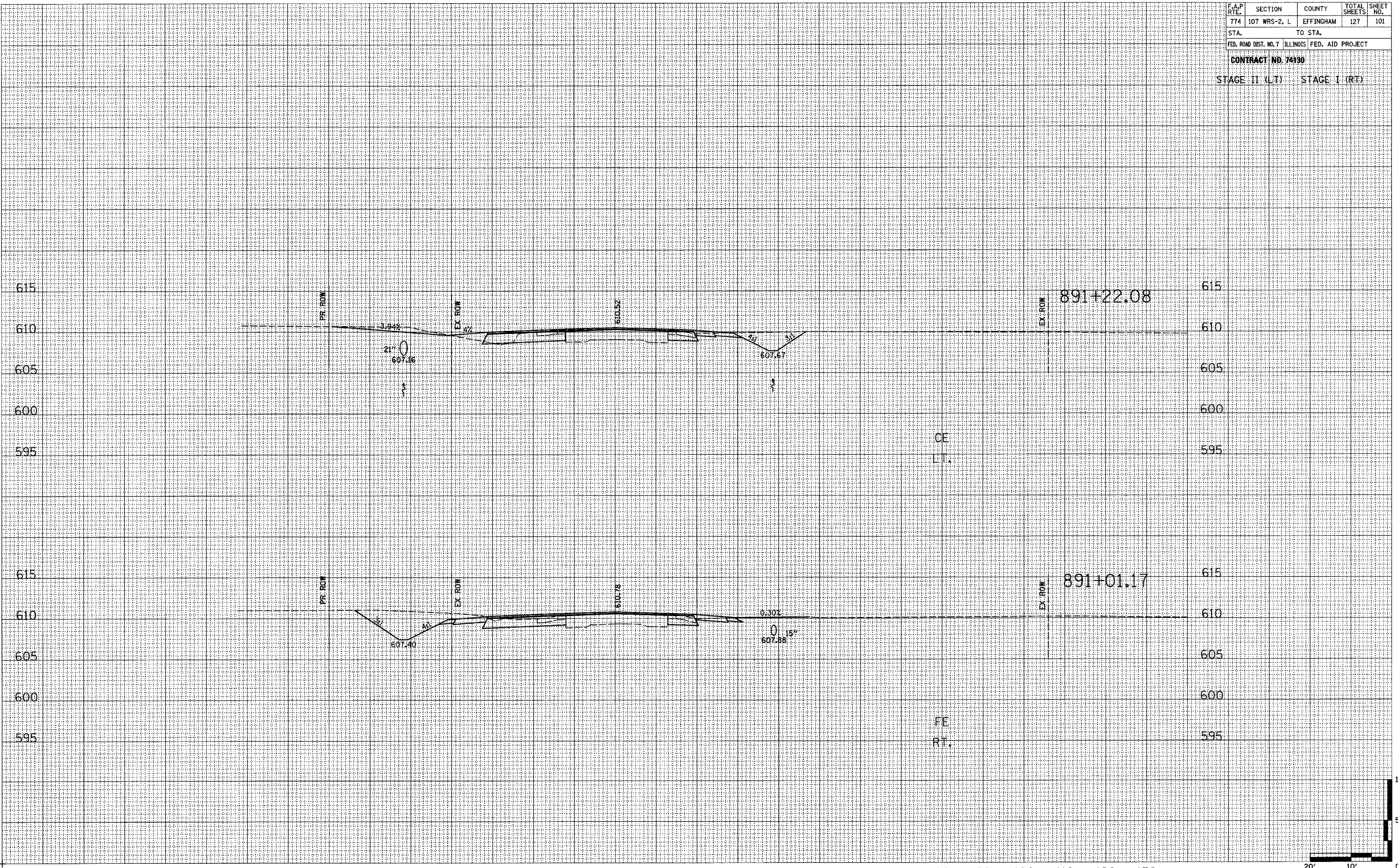


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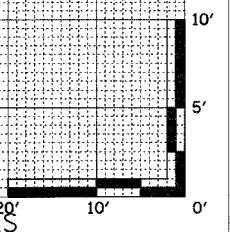
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	101
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74190				
STAGE II (LT)			STAGE I (RT)	

FINAL SURVEY	BY	DATE
NO. _____	_____	_____
REVISIONS		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	_____
REVISIONS		
PLOTTED		
TEMPLATE		
AREAS CHECKED		



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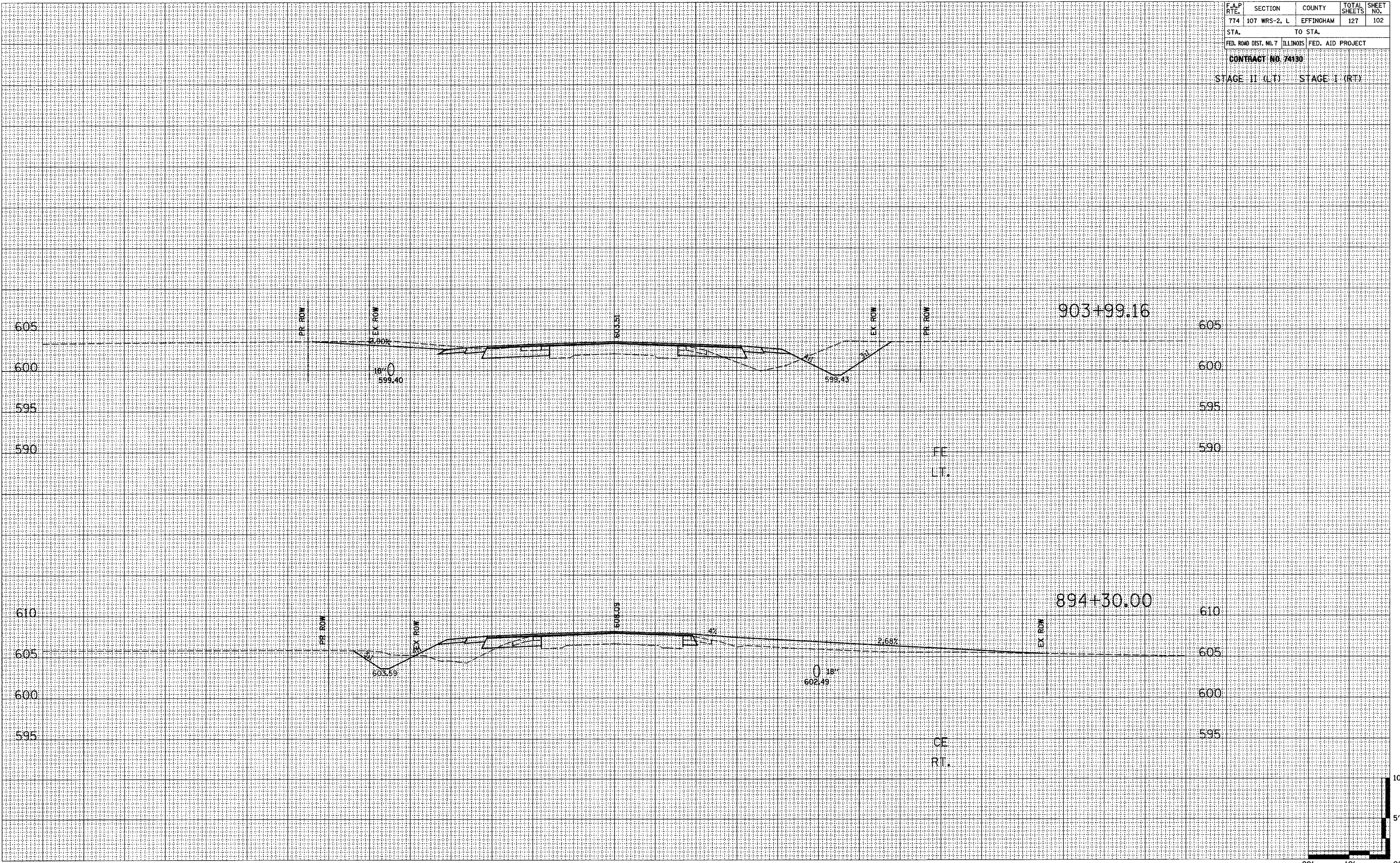


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	102
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (LT)		STAGE I (RT)		

FINAL SURVEY	DATE
SUBMITTED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SUBMITTED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	









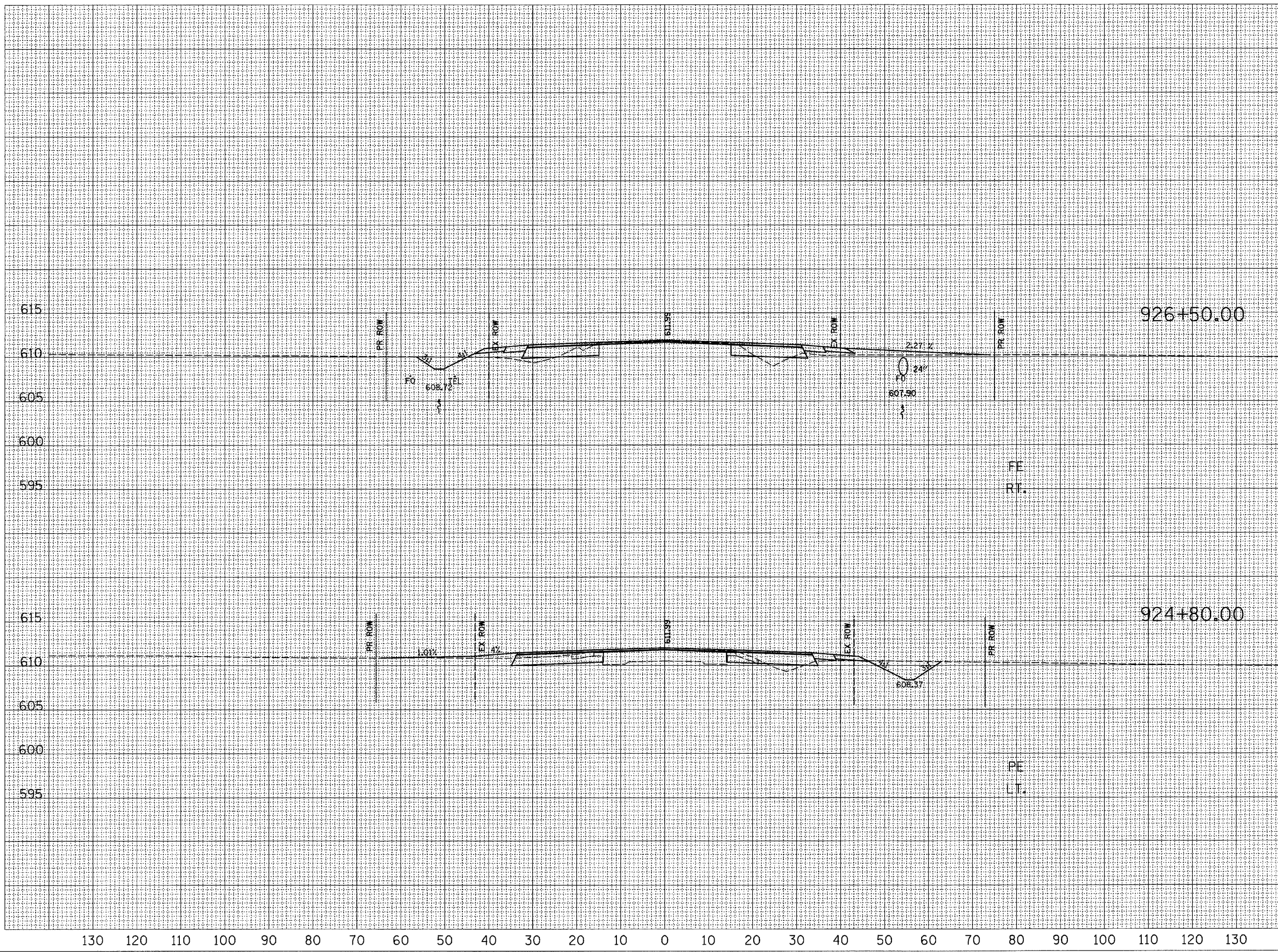




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	105
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (LT)			STAGE I (RT)	

FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



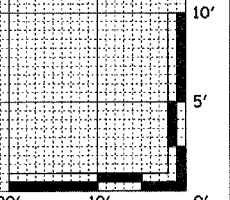
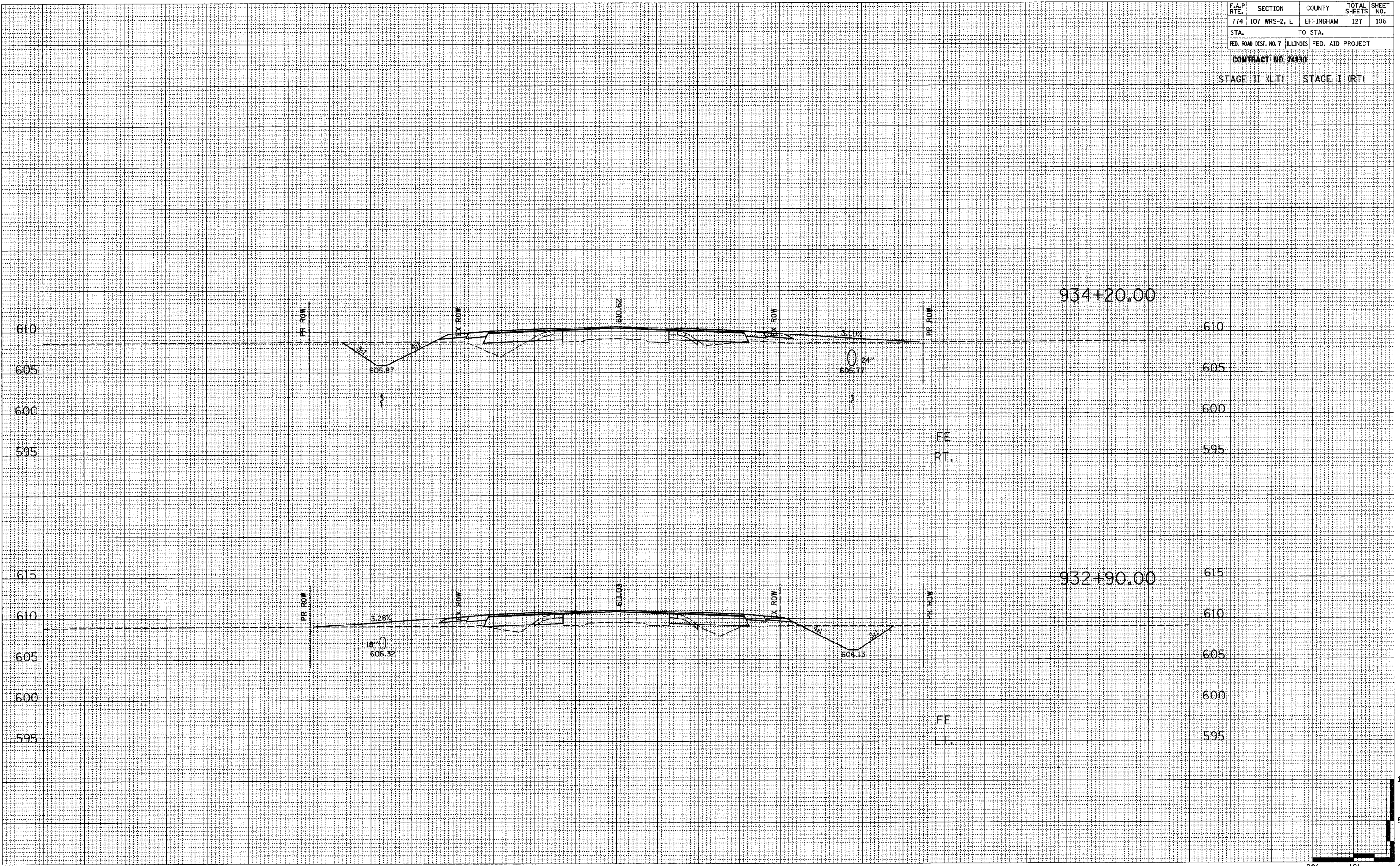
ENTRANCES 20' 10' 0'



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	106
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (LT.)			STAGE I (RT.)	

FINAL SURVEY	DATE
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	



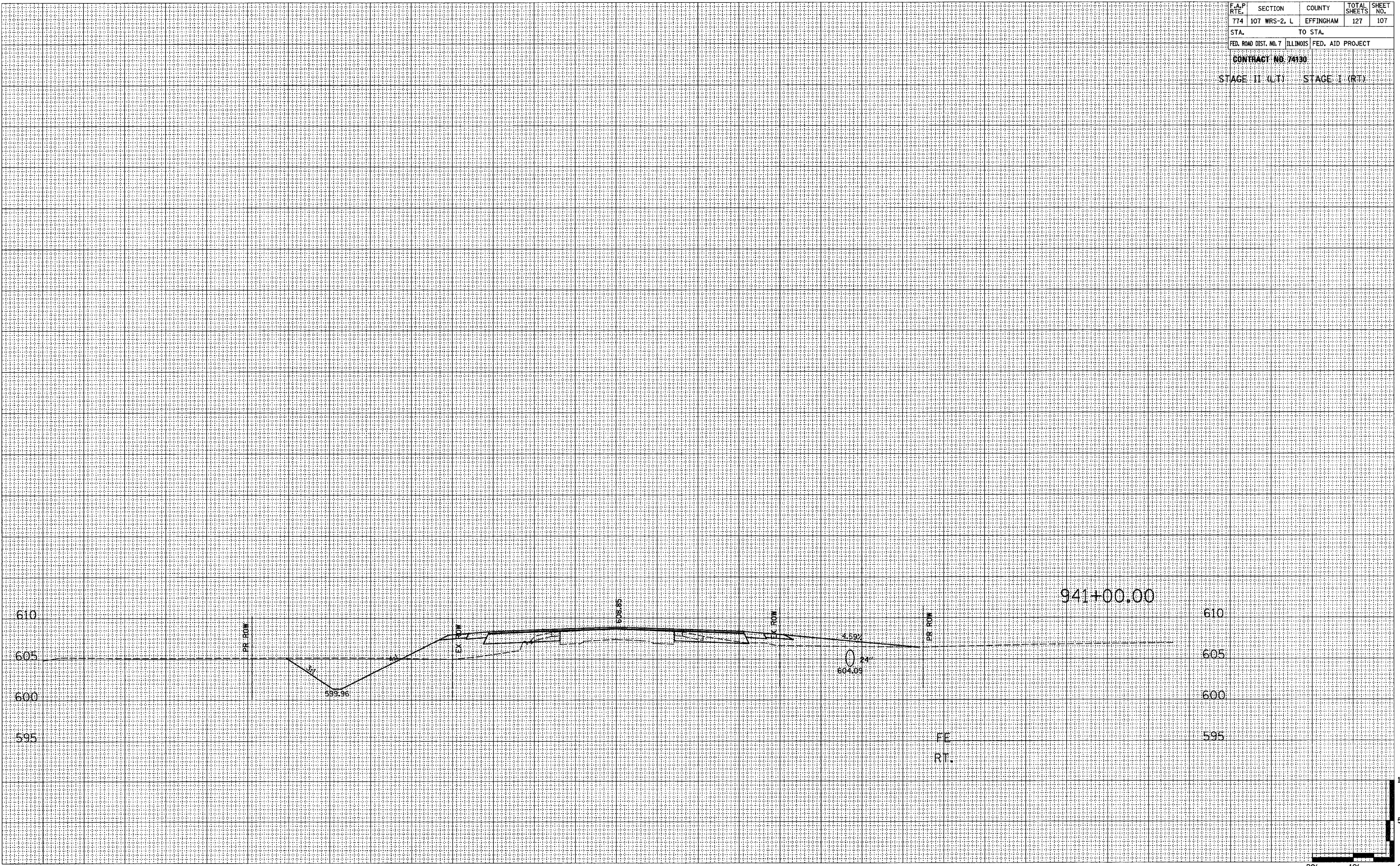


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	107
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74130				
STAGE II (LT.)			STAGE I (RT.)	

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

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



941+00.00

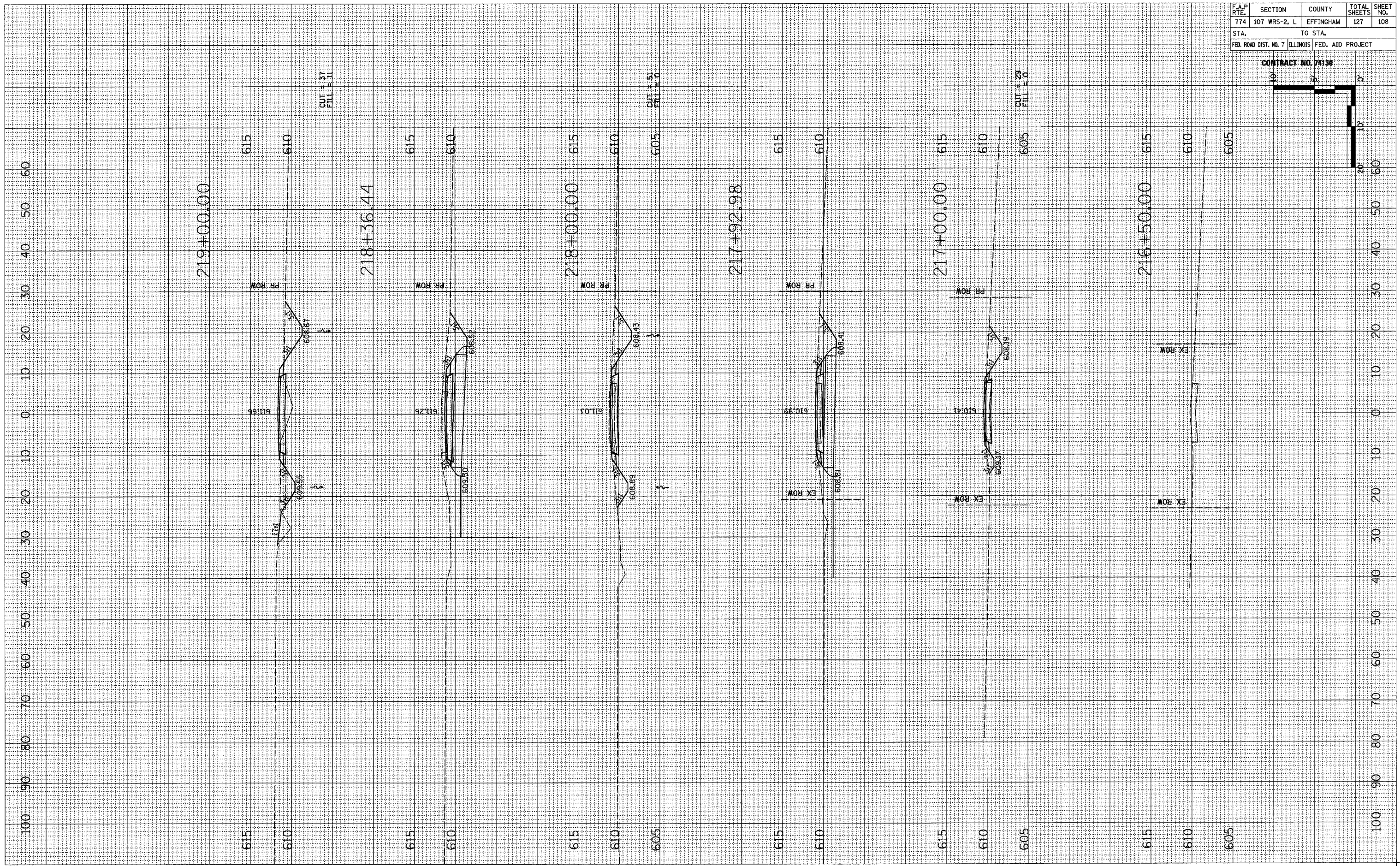


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	108
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 74136

FINAL SURVEY NO.	SURVEY PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEY PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



1700 AVENUE

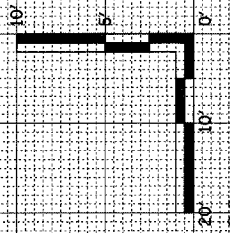






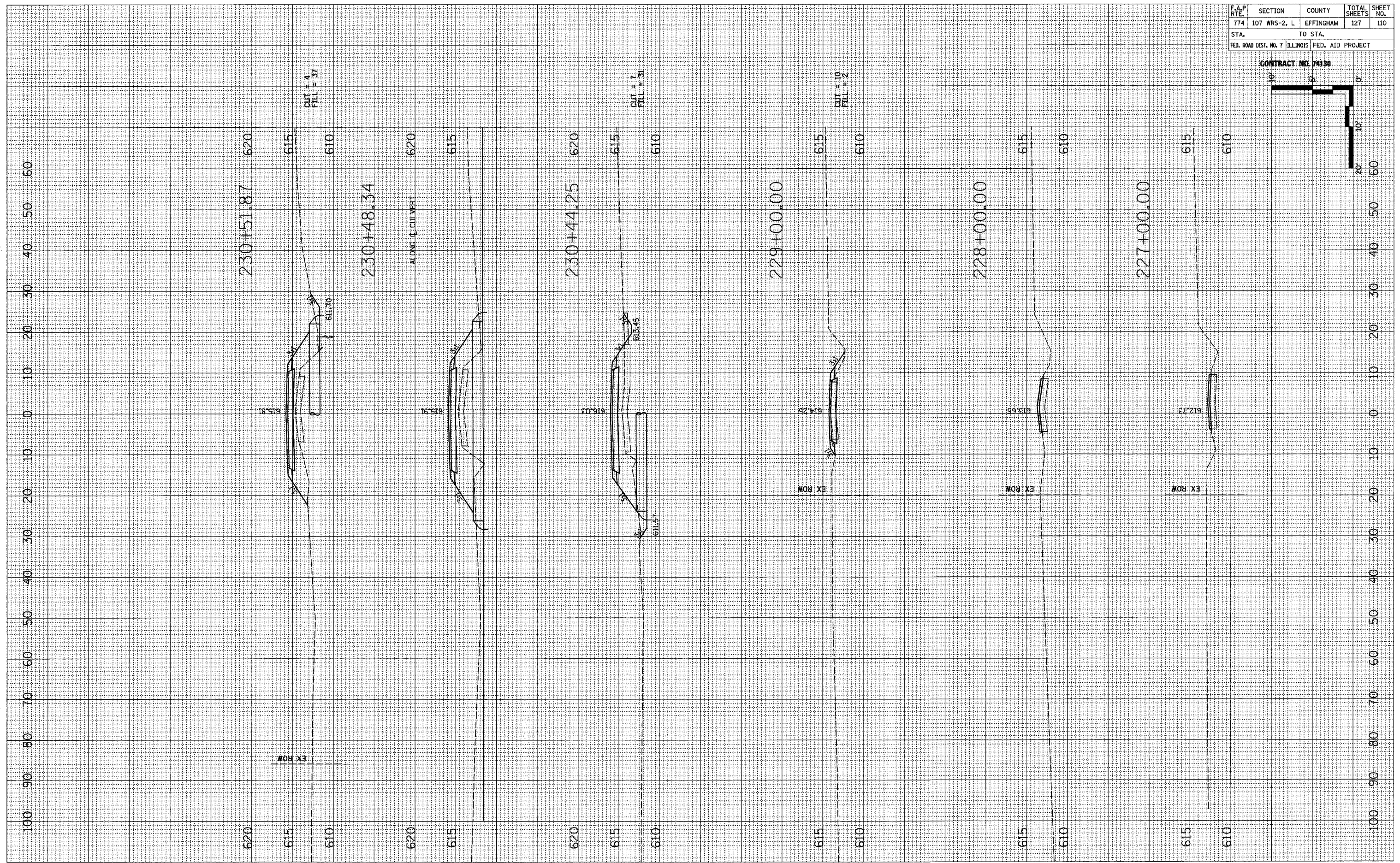
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	110
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 77130



FINAL SURVEY	DATE
BY	
BY	

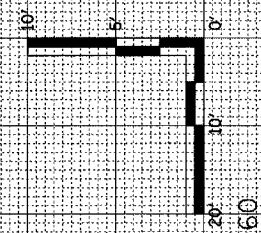
ORIGINAL SURVEY	DATE
BY	
BY	





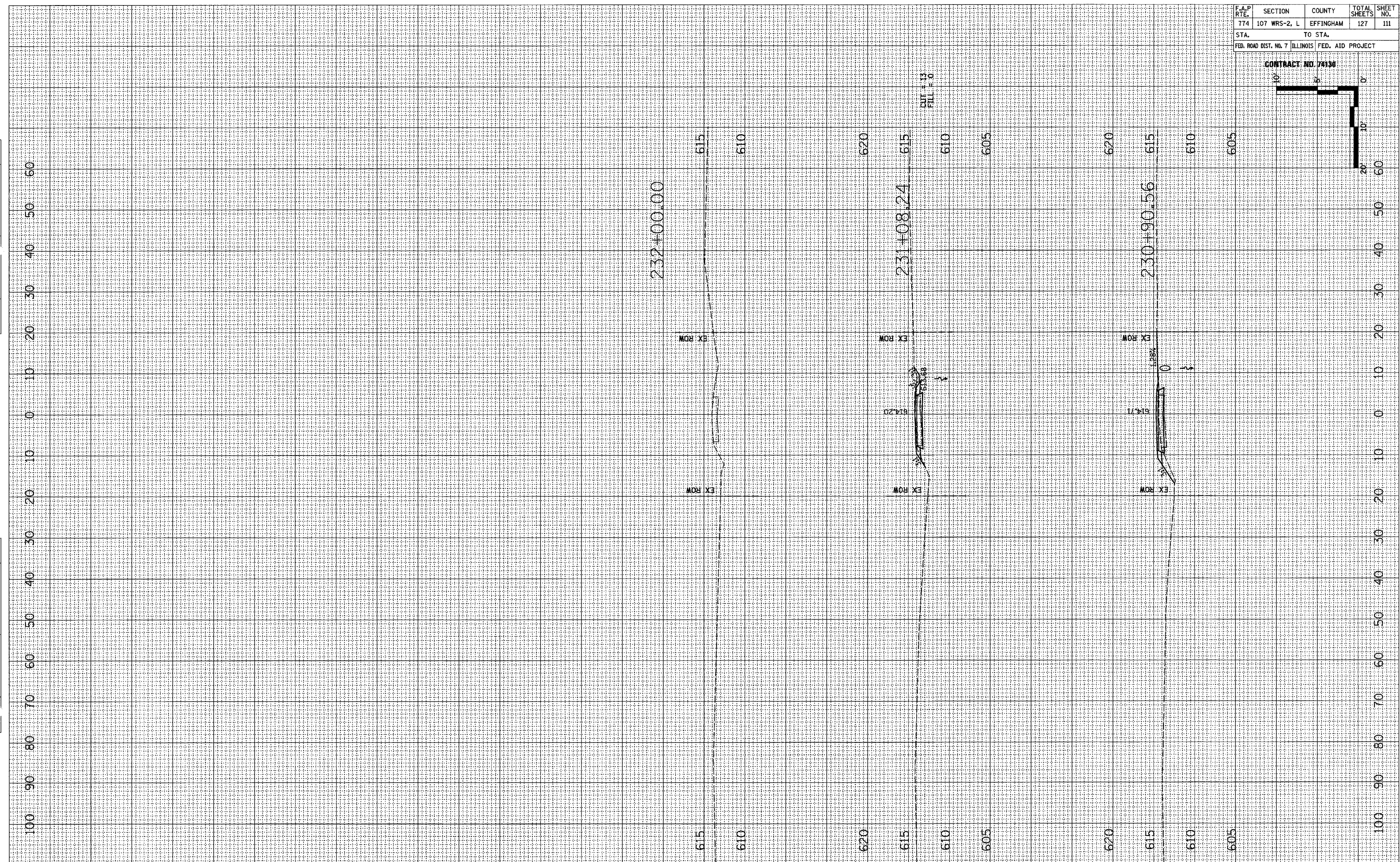
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	111
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74130



FINAL SURVEY  
 SURVEYED \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

ORIGINAL SURVEY  
 SURVEYED \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_



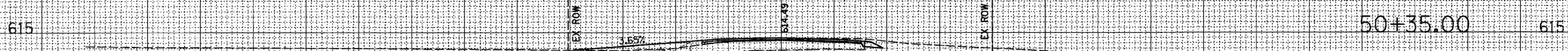


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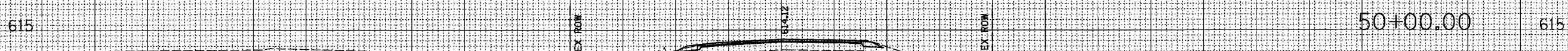
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	112

STA. TO STA.  
 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

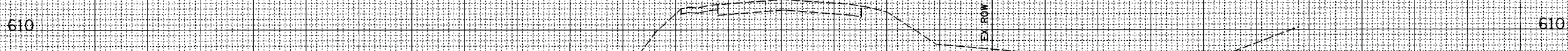
CONTRACT NO. 74130



CUT = 21  
 FILL = 50

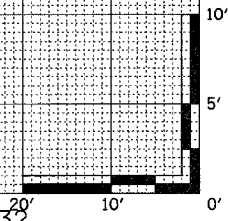


CUT = 4  
 FILL = 2



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	





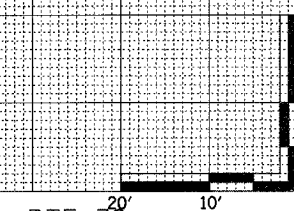
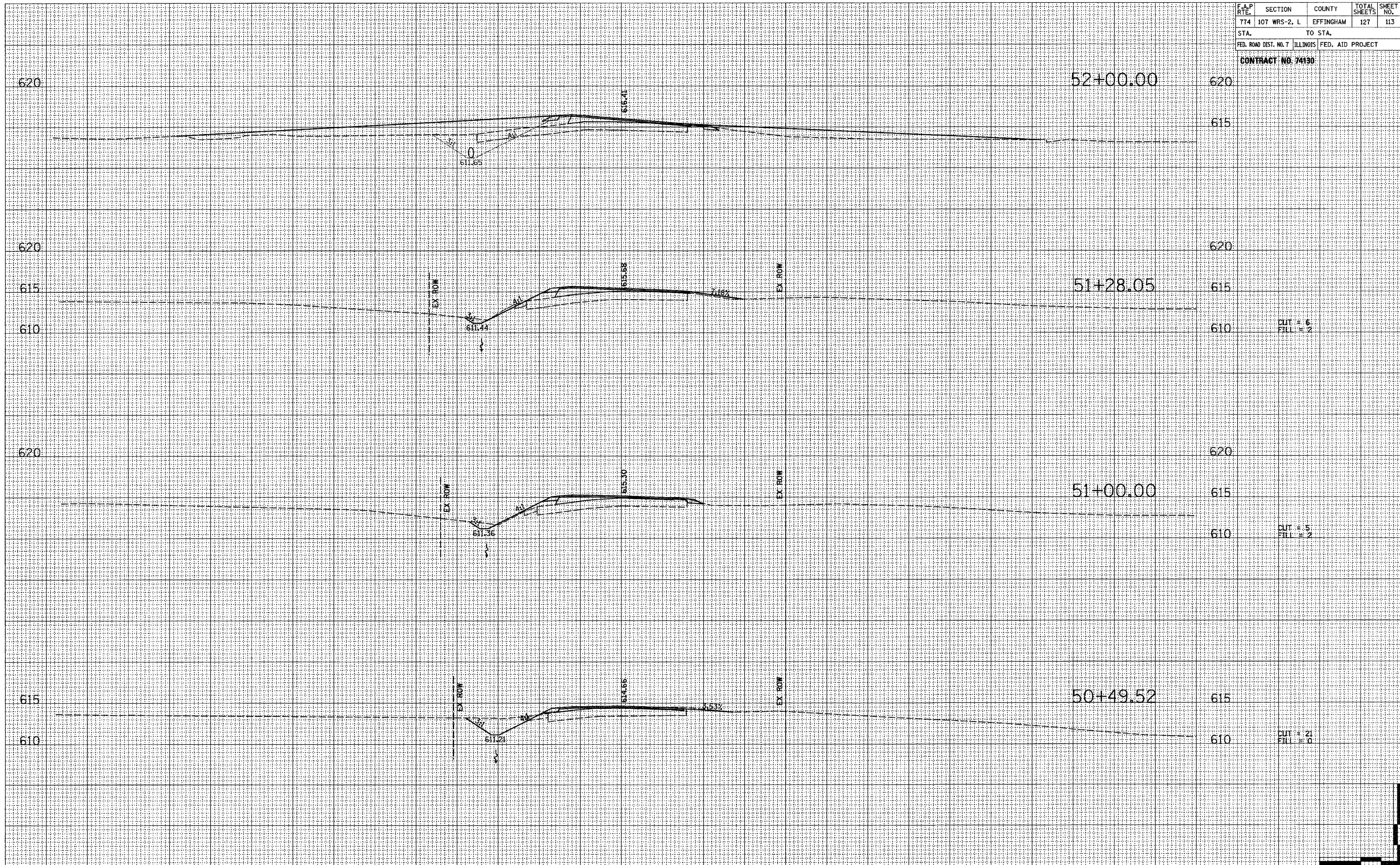
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	113

STA.	TO STA.
FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT

CONTRACT NO. 74130

FINAL SURVEY	DATE
BY	
NO.	

ORIGINAL SURVEY	DATE
BY	
NO.	



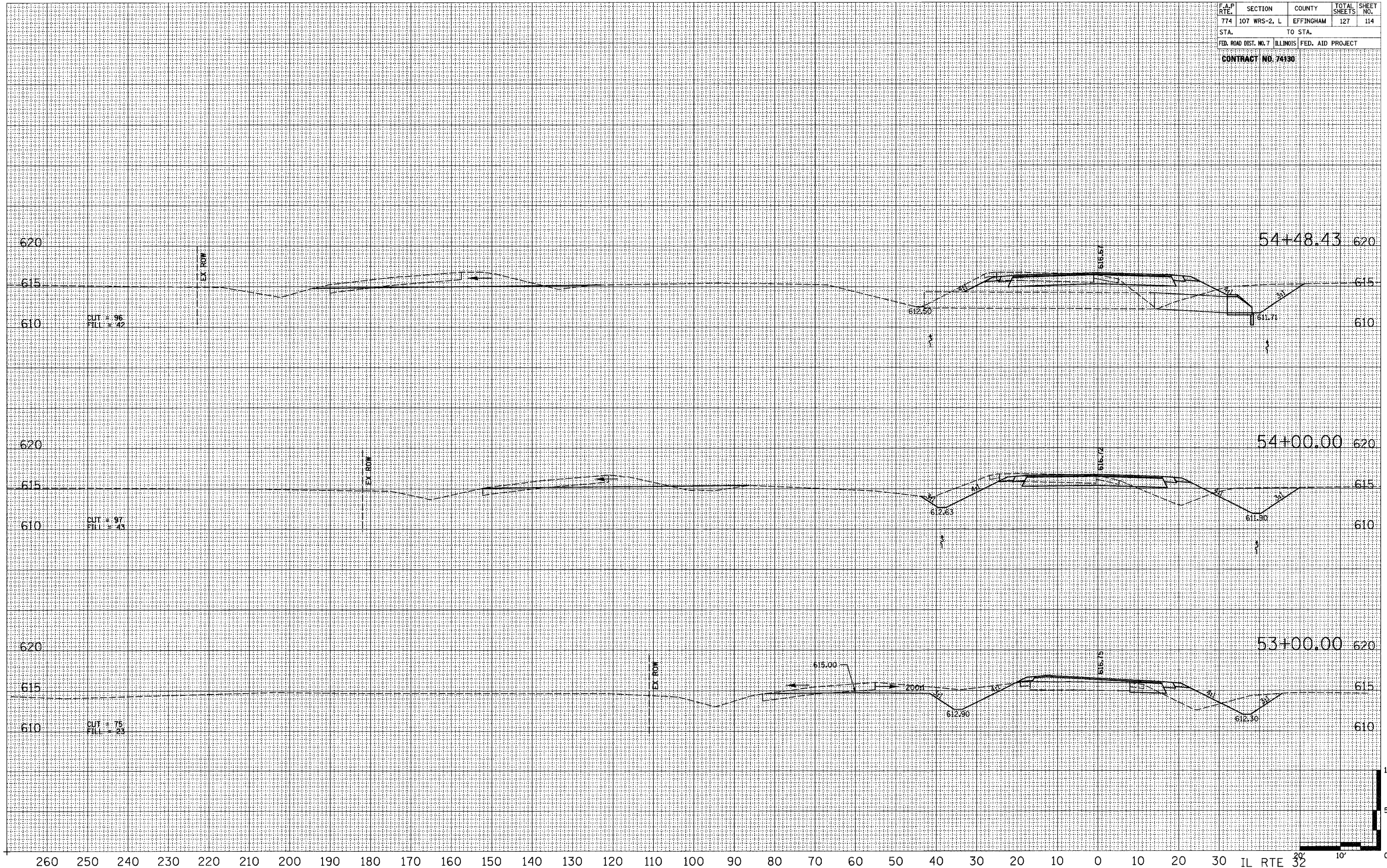


260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	114
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 74130				

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

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





260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	115
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
<b>CONTRACT NO. 74390</b>				

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

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

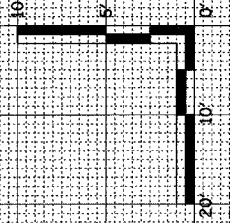


260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 IL RTE 32 20' 10' 0'



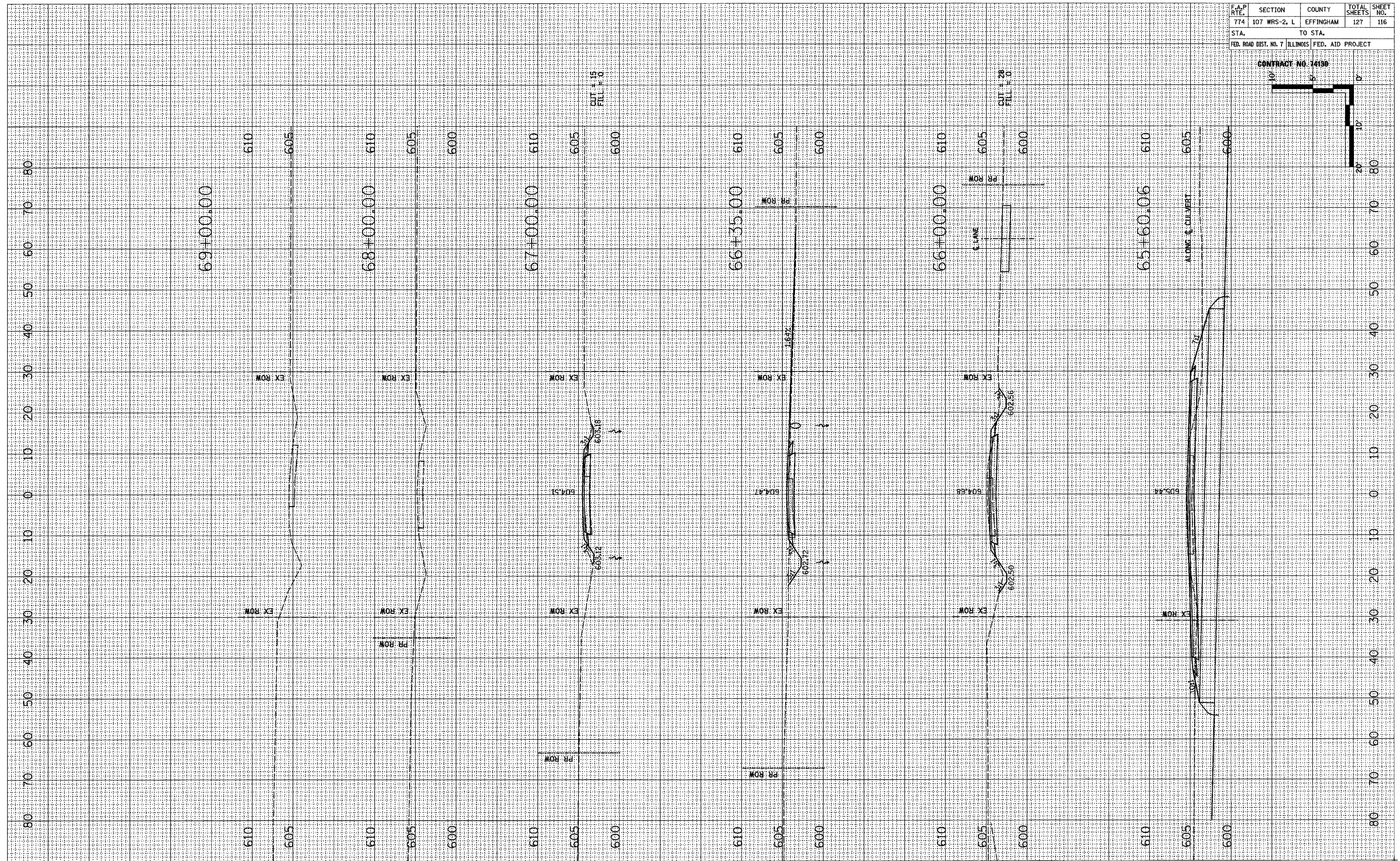
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	116
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 7413B



FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		



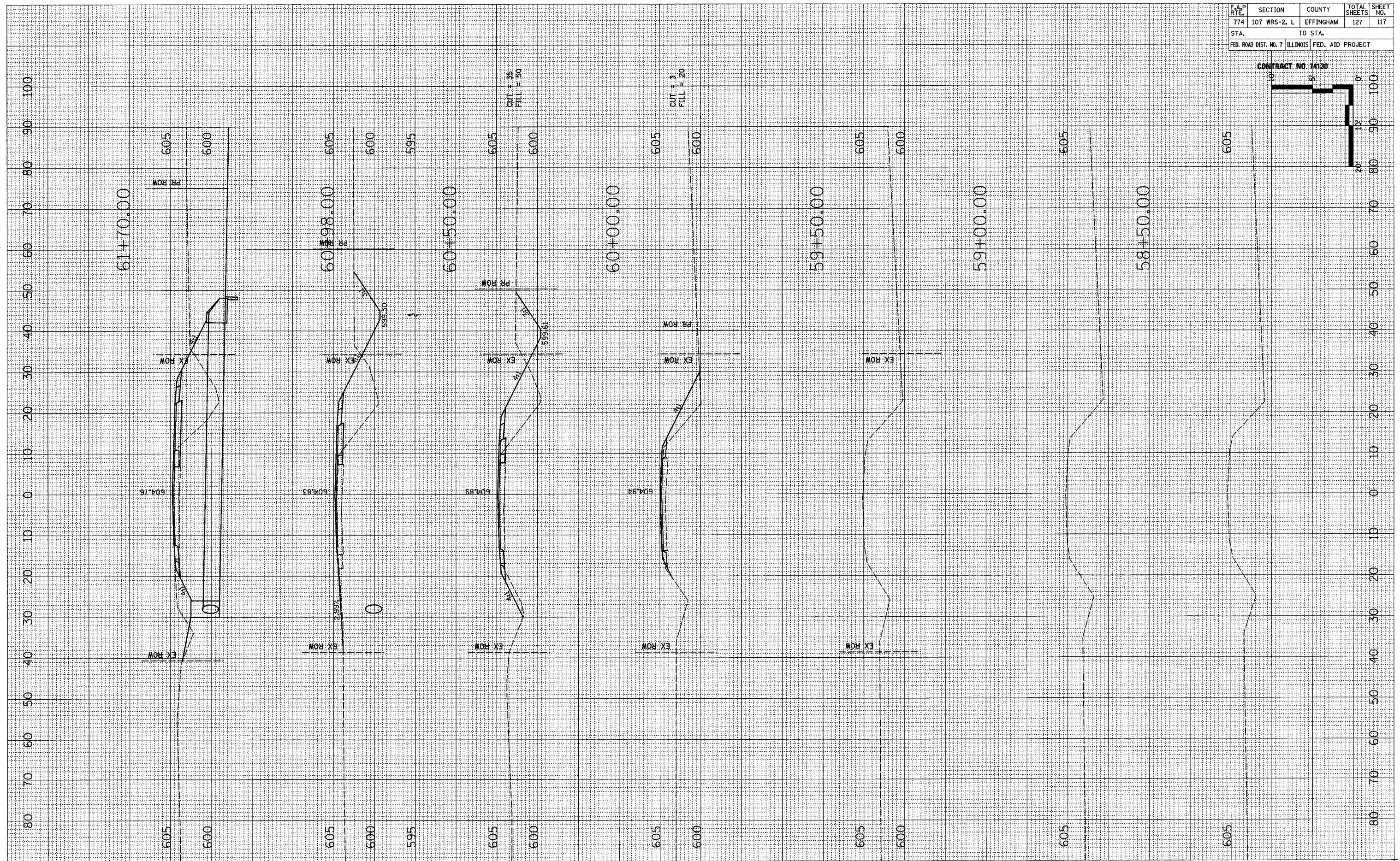
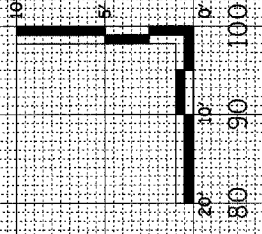
1000TH STREET

EFFINGHAM COUNTY



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	117
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		

CONTRACT NO. 14130



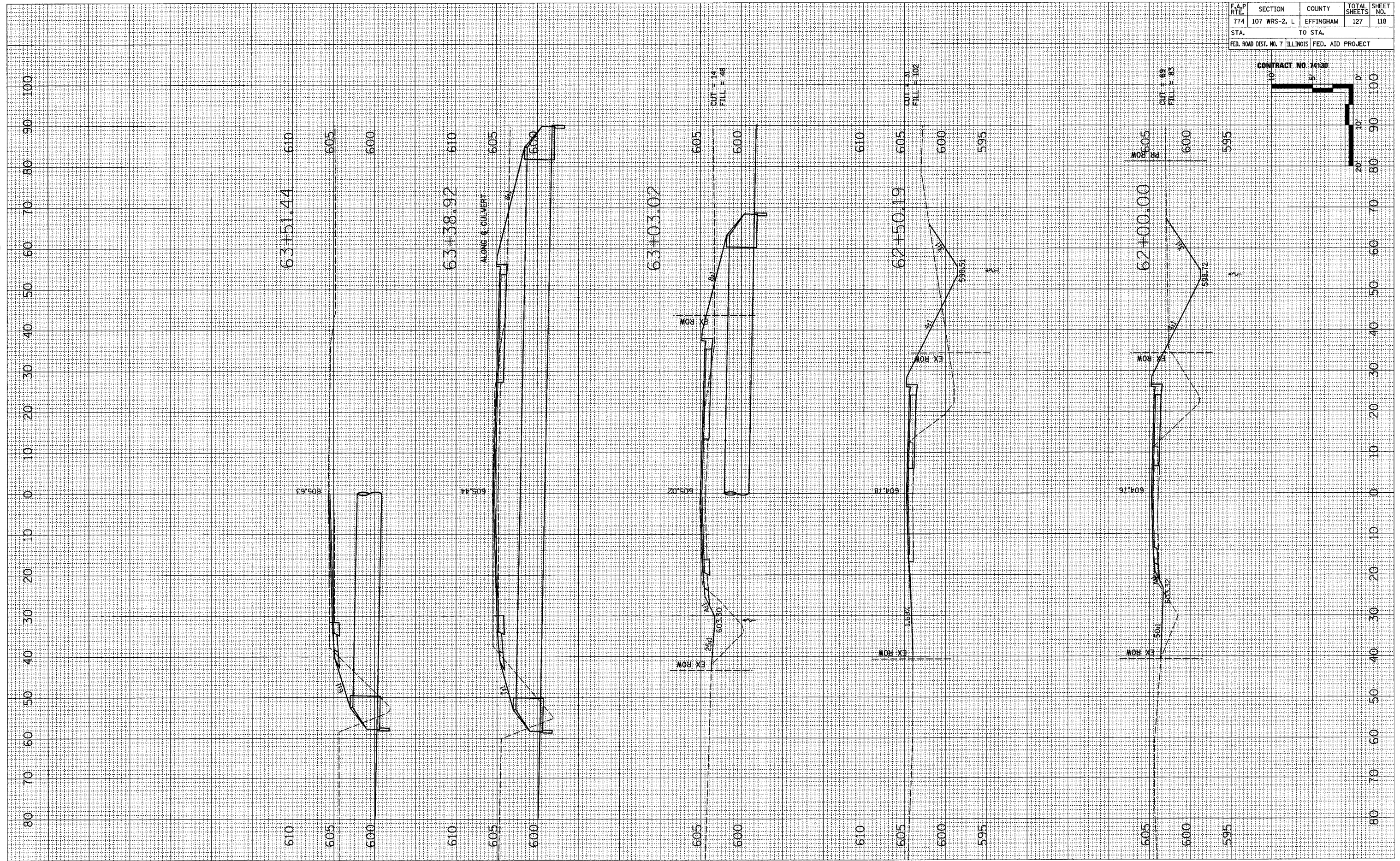
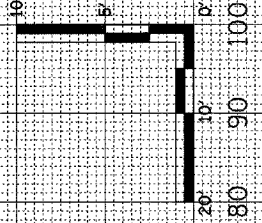
FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	118
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74130



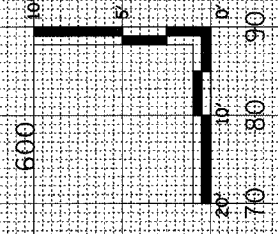
DATE	BY

DATE	BY



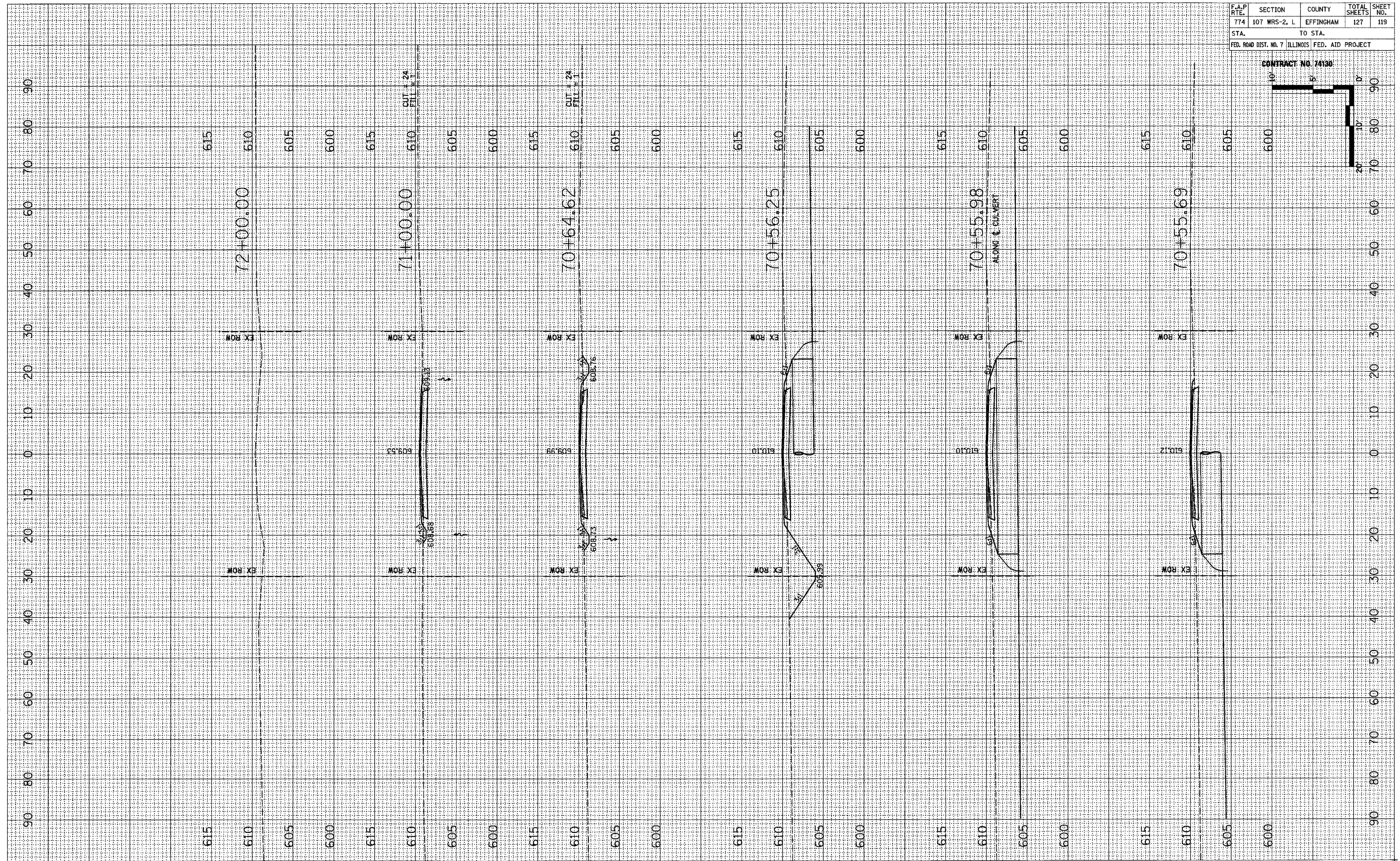
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	119
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 24130



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

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

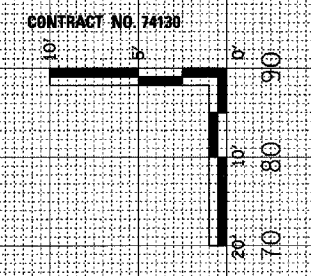


STONERIDGE DRIVE

EFFINGHAM COUNTY

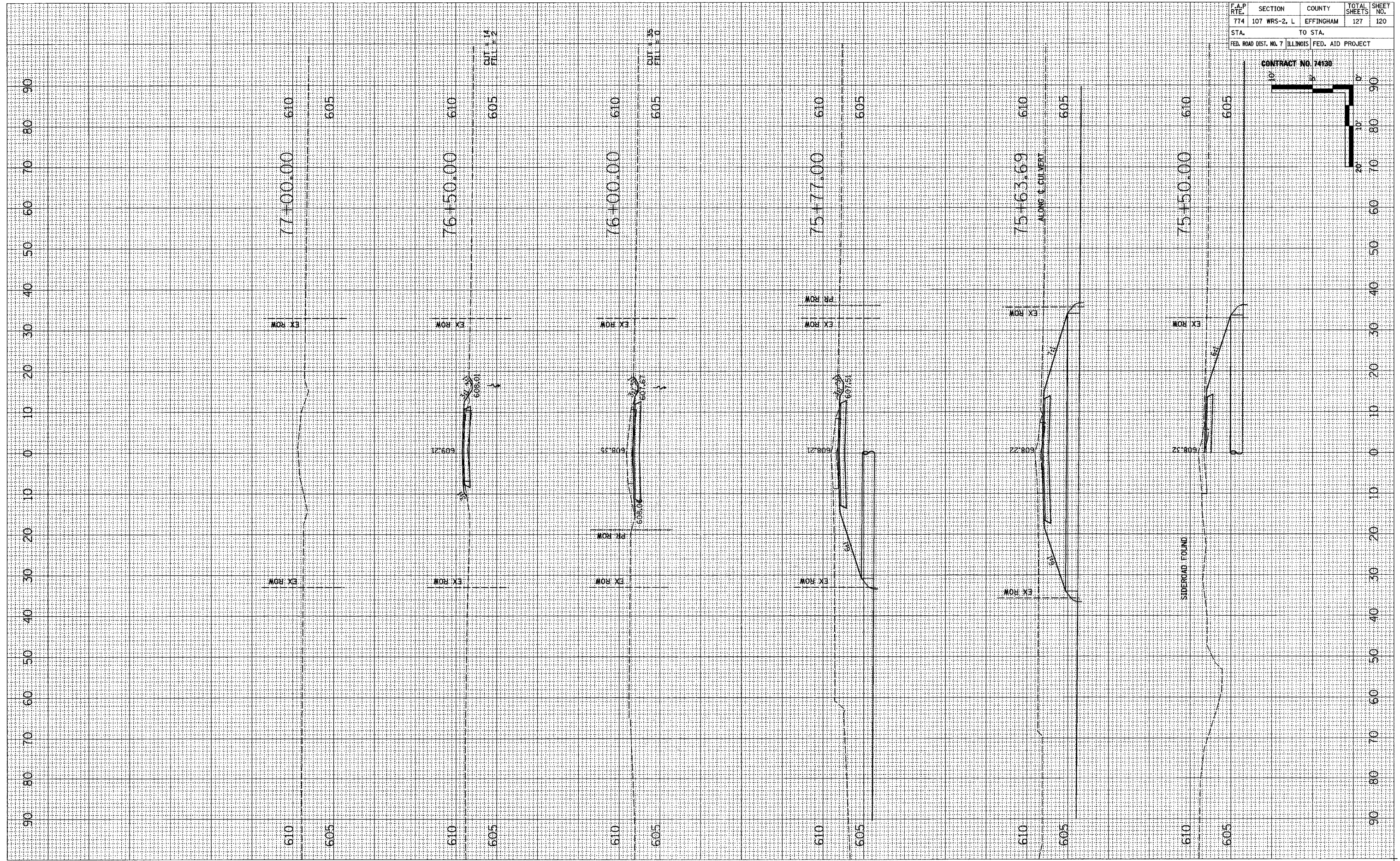


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	120
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		



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

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



1075th STREET

10/07/02  
 \0949903\ROW\COVERSHEET.DGN  
 1 2 3 4 5 6 7 8 9  
 10 11 12 13 14 15 16 17 18  
 19 20 21 22 23 24 25 26 27  
 28 29 30 31 32 33 34 35 36  
 37 38 39 40 41 42 43 44 45  
 46 47 48 49 50 51 52 53 54  
 55 56 57 58 59 60 61 62 63

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**RIGHT OF WAY PLANS**  
**FOR PROPOSED**  
**FEDERAL AID HIGHWAY**

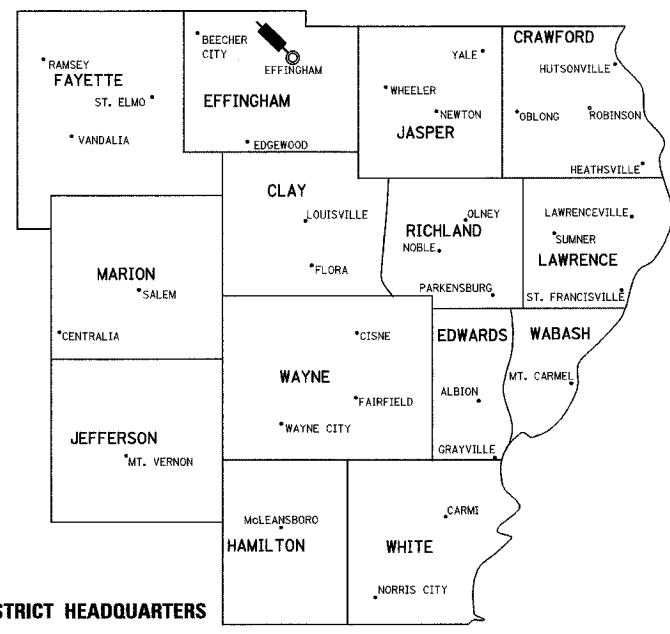
F.A.P. ROUTE 774 (ILLINOIS ROUTE 32/33)  
 SECTION  
 JOB NO  
 EFFINGHAM COUNTY  
 CONTRACT NO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	121
STA. TO STA.				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 1  
7 SHEETS

CONTRACT NO. 74130

**DISTRICT 7**

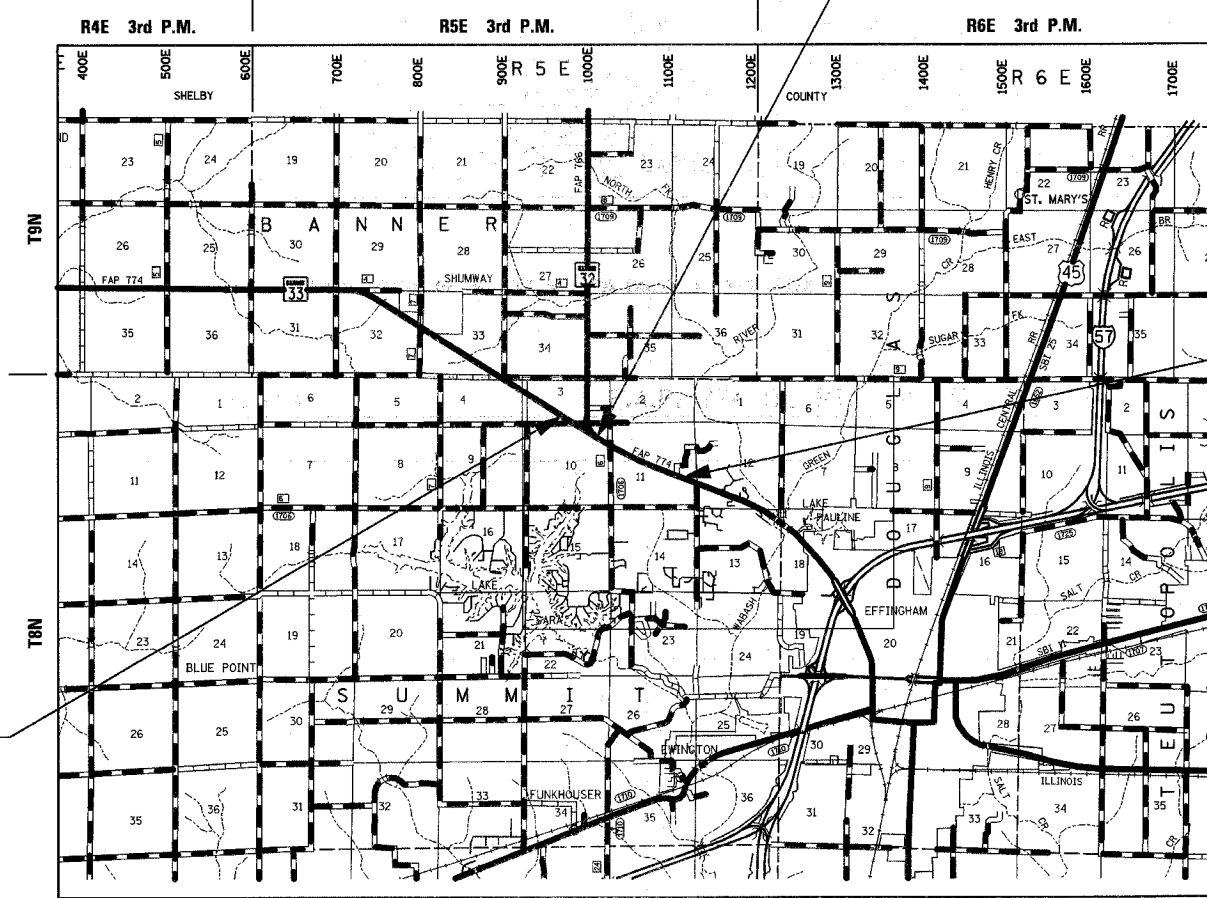


© DISTRICT HEADQUARTERS

LOCATION OF SECTION INDICATED THIS:

FAP ROUTE 774 (IL ROUTE 32/33)  
 SECTION  
 EFFINGHAM COUNTY  
 ENDS  
 STA. 940 + 36.37

FAP ROUTE 774 (IL ROUTE 32/33)  
 SECTION 107WRS-1, 107BY,  
 107BY-1, 107B-2  
 EFFINGHAM COUNTY  
 BEGINS  
 STA. 539 + 35.22



GROSS LENGTH OF PROJECT = 7498 LIN. FT. = 1.42 MILES

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

SUBMITTED \_\_\_\_\_ 20 \_\_\_\_\_

EXAMINED \_\_\_\_\_ 20 \_\_\_\_\_  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

PASSED \_\_\_\_\_ 20 \_\_\_\_\_  
DISTRICT CHIEF OF PLATS AND PLANS

REVIEWED \_\_\_\_\_ 20 \_\_\_\_\_  
DISTRICT LAND ACQUISITION ENGINEER

APPROVED \_\_\_\_\_ 20 \_\_\_\_\_  
CENTRAL BUREAU RIGHT OF WAY PLANS ENGINEER

ENGINEER OF LAND ACQUISITION

\0949903\ROW\COVERSHEET.DGN  
 10/07/02

# T 8 N-R 5 E 3rd P.M. SUMMIT TWP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	122

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

SHEET NO. 2  
7 SHEETS

CONTRACT NO. 74130

PROP. CURVE C-1  
FAP ROUTE 774  
P.I. STA= 551+75.52  
Δ = 3° 52' 10" RT  
D = 0° 24' 01"  
R = 14317.15  
T = 483.62'  
L = 966.87  
E = 8.17'  
e = 1.56%  
P.C. STA = 546+91.90  
P.T. STA = 556+58.77

10/7/02  
\\0349903\ROW\ROWPLANS\4-DGN

1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18  
19 20 21 22 23 24 25 26 27  
28 29 30 31 32 33 34 35 36  
37 38 39 40 41 42 43 44 45  
46 47 48 49 50 51 52 53 54  
55 56 57 58 59 60 61 62 63

IRON PIN  
NE CORNER  
SECTION 4  
T8N, R5E, 3rd PM  
MONUMENT RECORD  
BOOK 1, PAGE 110

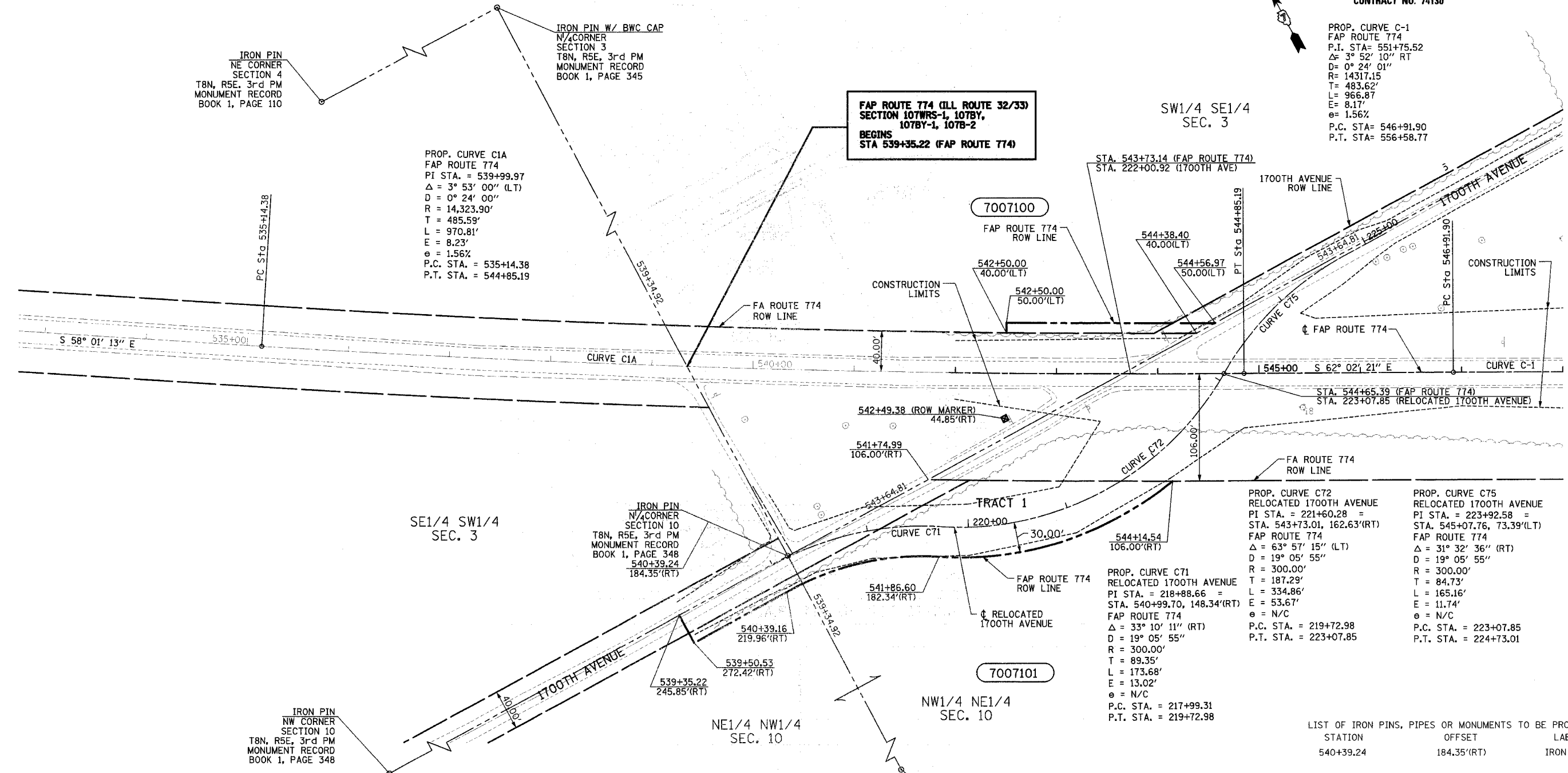
IRON PIN W/ BWC CAP  
N/4 CORNER  
SECTION 3  
T8N, R5E, 3rd PM  
MONUMENT RECORD  
BOOK 1, PAGE 345

FAP ROUTE 774 (ILL ROUTE 32/33)  
SECTION 107WRS-1, 107B,  
107BY-1, 107B-2  
BEGINS  
STA 539+35.22 (FAP ROUTE 774)

PROP. CURVE C1A  
FAP ROUTE 774  
PI STA. = 539+99.97  
Δ = 3° 53' 00" (LT)  
D = 0° 24' 00"  
R = 14,323.90'  
T = 485.59'  
L = 970.81'  
E = 8.23'  
e = 1.56%  
P.C. STA. = 535+14.38  
P.T. STA. = 544+85.19

STA. 543+73.14 (FAP ROUTE 774)  
STA. 222+00.92 (1700TH AVE)

SW1/4 SE1/4  
SEC. 3



PROP. CURVE C72  
RELOCATED 1700TH AVENUE  
PI STA. = 221+60.28 =  
STA. 543+73.01, 162.63'(RT)  
FAP ROUTE 774  
Δ = 63° 57' 15" (LT)  
D = 19° 05' 55"  
R = 300.00'  
T = 187.29'  
L = 334.86'  
E = 53.67'  
e = N/C  
P.C. STA. = 219+72.98  
P.T. STA. = 223+07.85

PROP. CURVE C75  
RELOCATED 1700TH AVENUE  
PI STA. = 223+92.58 =  
STA. 545+07.76, 73.39'(LT)  
FAP ROUTE 774  
Δ = 31° 32' 36" (RT)  
D = 19° 05' 55"  
R = 300.00'  
T = 84.73'  
L = 165.16'  
E = 11.74'  
e = N/C  
P.C. STA. = 223+07.85  
P.T. STA. = 224+73.01

PROP. CURVE C71  
RELOCATED 1700TH AVENUE  
PI STA. = 218+88.66 =  
STA. 540+99.70, 148.34'(RT)  
FAP ROUTE 774  
Δ = 33° 10' 11" (RT)  
D = 19° 05' 55"  
R = 300.00'  
T = 89.35'  
L = 173.68'  
E = 13.02'  
e = N/C  
P.C. STA. = 217+99.31  
P.T. STA. = 219+72.98

LIST OF ROW PINS, PIPES OR MONUMENTS TO BE PROTECTED

STATION	OFFSET	LABEL
540+39.24	184.35'(RT)	IRON PIN

**UTILITIES:**

TELEPHONE- ILLINOIS CONSOLIDATED TELEPHONE COMPANY  
VERIZON NORTH INC.

GAS- AMEREN CIPS

ELECTRICITY- NORRIS ELECTRIC COOPERATIVE  
AMEREN CIPS

WATER- E J WATER CORPORATION  
LAKE SARA AREA WATER COOPERATIVE, INC.  
CITY OF EFFINGHAM

SEWER- CITY OF EFFINGHAM

T.V. CABLE- AT & T MEDIA SERVICE

PARCEL	OWNER	ADD AREA TAKEN	EXIST. AREA	EASEMENT	REM. AREA	INST	MICRO FILM NO RECORDED	DATE	BOOK	PAGE	AREA EXCESS	SOLD
7007100	LLOYD G. FOSTER ET AL	1,551	420		1,590,299							
7007101	JAMES H. SPORLEDER ET AL	40,276	5,957		3,631,876							
	TRACT 1	17,636	5,957		3,509,183							
	TRACT 2	22,640			122,693							

CONTRACT NO.  
FIELD BOOK NO 449, 450, 451,  
452 & 452B  
(R) RECORDED DISTANCE

☒ - ROW MARKER  
○ - IRON PIN

NOTE: ALL AREAS ARE IN SQUARE FEET  
UNLESS OTHERWISE NOTED.

NOTE:  
BEARINGS ARE REFERENCED TO THE  
ILLINOIS STATE PLANE COORDINATE  
SYSTEM EAST ZONE DATUM OF 1983

RIGHT OF WAY PLANS  
FAP ROUTE 774  
PROJECT SECTION

STATION 539+35.22 TO  
STATION 548+00.00  
COUNTY EFFINGHAM  
SCALE 1"=50' SHEET 2 OF 7

DRAWN BY: NJV  
WRITTEN BY: TLS  
CHECKED BY: BKB  
INSPECTED BY: RMD

JOB NO.



# T 8 N-R 5 E 3rd P.M. SUMMIT TWP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	123
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT	

SHEET NO. 3  
7 SHEETS

CONTRACT NO. 74130

10/7/02  
0349903 ROW ROW PLANS-4.DGN

1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18  
19 20 21 22 23 24 25 26 27  
28 29 30 31 32 33 34 35 36  
37 38 39 40 41 42 43 44  
45 46 47 48 49 50 51 52  
53 54 55 56 57 58 59 60 61  
62 63

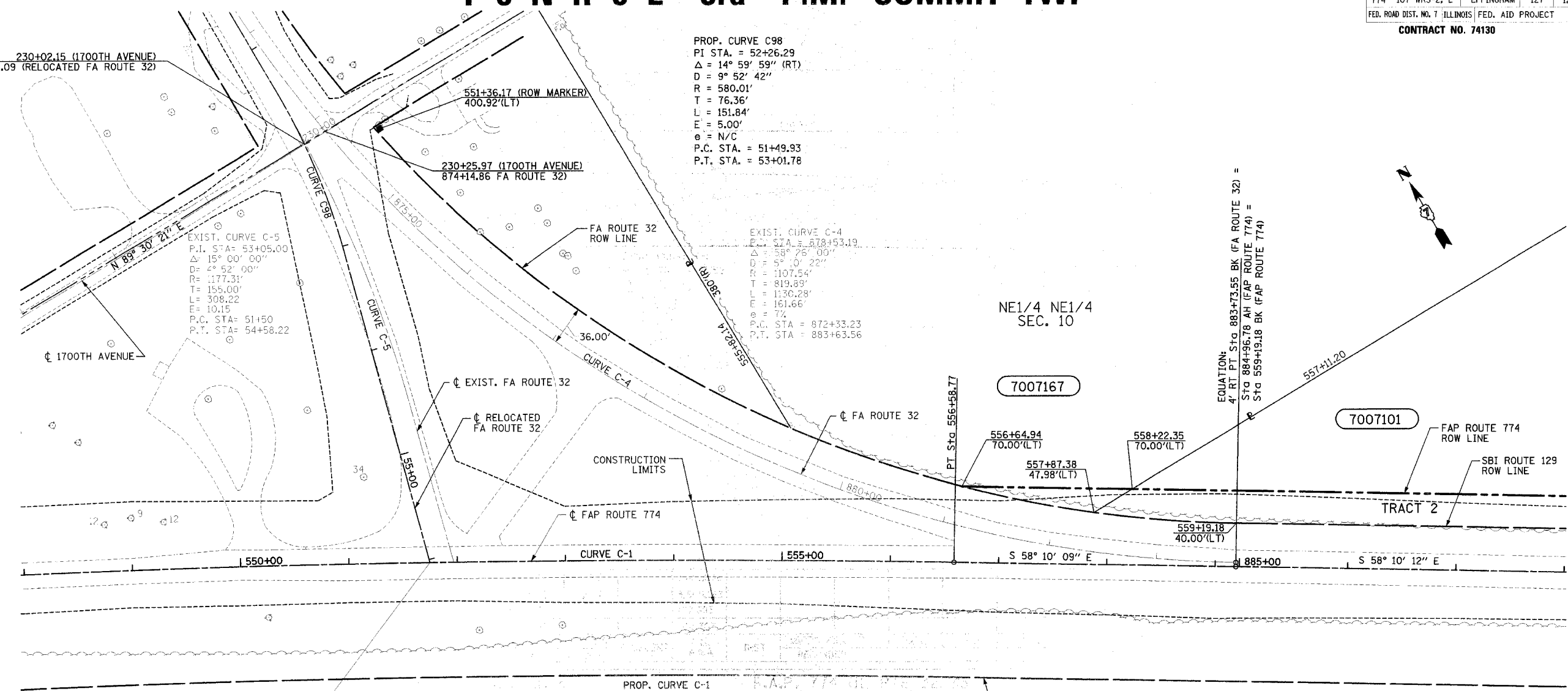
PROP. CURVE C98  
PI STA. = 52+26.29  
Δ = 14° 59' 59" (RT)  
D = 9° 52' 42"  
R = 580.01'  
T = 76.36'  
L = 151.84'  
E = 5.00'  
e = N/C  
P.C. STA. = 51+49.93  
P.T. STA. = 53+01.78

EXIST. CURVE C-4  
P.I. STA. = 878+53.19  
Δ = 58° 26' 00"  
D = 5° 0' 22"  
R = 1107.54'  
T = 819.89'  
L = 1130.28'  
E = 161.66'  
e = 7'  
P.C. STA. = 872+33.23  
P.T. STA. = 883+63.56

EXIST. CURVE C-5  
P.I. STA. = 53+05.00  
Δ = 15° 00' 00"  
D = 4° 52' 00"  
R = 1177.31'  
T = 155.00'  
L = 308.22'  
E = 10.15'  
P.C. STA. = 51+50  
P.T. STA. = 54+58.22

PROP. CURVE C-1  
P.I. STA. = 551+75.52  
Δ = 3° 52' 10" RT  
D = 0° 24' 01"  
R = 14317.15'  
T = 483.62'  
L = 966.87'  
E = 8.17'  
e = 1.56%  
P.C. STA. = 546+91.90  
P.T. STA. = 556+58.77

STA. 551+74.79 (IL RTE 33) =  
STA. 56+03.00 (RELOCATED IL RTE 32)



7007167

7007101

7007101

**UTILITIES:**  
 TELEPHONE- ILLINOIS CONSOLIDATED TELEPHONE COMPANY  
 VERIZON NORTH INC.  
 GAS- AMEREN CIPS  
 ELECTRICITY- NORRIS ELECTRIC COOPERATIVE  
 AMEREN CIPS  
 WATER- E J WATER CORPORATION  
 LAKE SARA AREA WATER COOPERATIVE, INC.  
 CITY OF EFFINGHAM  
 SEWER- CITY OF EFFINGHAM  
 T.V. CABLE- AT & T MEDIA SERVICE

CONTRACT NO.  
 FIELD BOOK NO 449, 450, 451,  
 452 & 452B  
 (R) RECORDED DISTANCE

NOTE: ALL AREAS ARE IN SQUARE FEET  
 UNLESS OTHERWISE NOTED.  
 NOTE:  
 BEARINGS ARE REFERENCED TO THE  
 ILLINOIS STATE PLANE COORDINATE  
 SYSTEM EAST ZONE DATUM OF 1983

RIGHT OF WAY PLANS  
 FAP ROUTE 774  
 PROJECT SECTION  
 STATION 548+00.00 TO  
 STATION 888+00.00  
 COUNTY EFFINGHAM  
 SCALE 1"=50' SHEET 3 OF 7

7007101	JAMES H. SPORLEDER ET AL	40,276	5,957		3,631,876									
	TRACT 1	17,636	5,957		3,509,183									
	TRACT 2	22,640			122,693									
7007167	JAMES H. SPORLEDER	1,880			801,303									
PARCEL	OWNER	ADD AREA TAKEN	EXIST. AREA TAKEN	EASEMENT	REM. AREA	INST	MICRO FILM NO RECORDED	DATE	BOOK	PAGE	AREA	SOLD	EXCESS	

JOB NO.

# T 8 N-R 5 E 3rd P.M. SUMMIT TWP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	124
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

SHEET NO. 4  
7 SHEETS

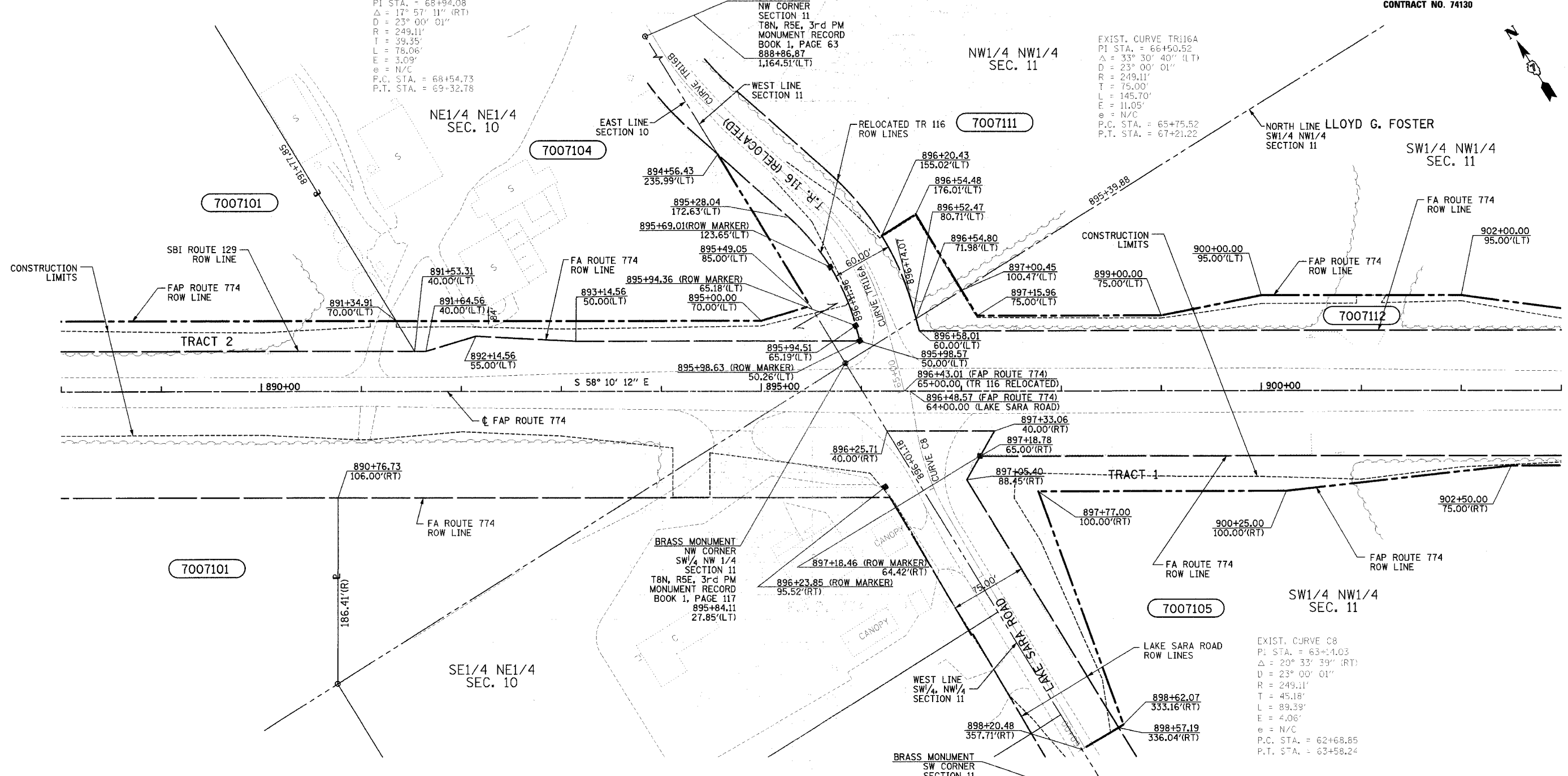
CONTRACT NO. 74130

10/7/02  
 \0349903\ROW ROWPLANS-4.DGN  
 1 2 3 4 5 6 7 8 9  
 10 11 12 13 14 15 16 17 18  
 19 20 21 22 23 24 25 26 27  
 28 29 30 31 32 33 34 35 36  
 37 38 39 40 41 42 43 44  
 45 46 47 48 49 50 51 52  
 53 54 55 56 57 58 59 60 61  
 62 63

EXIST. CURVE TR116B  
 PI STA. = 68+94.08  
 $\Delta = 17^\circ 57' 11''$  (RT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 39.35'$   
 $L = 78.06'$   
 $E = 3.09'$   
 $e = N/C$   
 P.C. STA. = 68+54.73  
 P.T. STA. = 69+32.78

EXIST. CURVE TR116A  
 PI STA. = 66+50.52  
 $\Delta = 33^\circ 30' 40''$  (LT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 75.00'$   
 $L = 145.70'$   
 $E = 11.05'$   
 $e = N/C$   
 P.C. STA. = 65+75.52  
 P.T. STA. = 67+21.22

EXIST. CURVE C8  
 PI STA. = 63+14.03  
 $\Delta = 20^\circ 33' 39''$  (RT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 45.18'$   
 $L = 89.39'$   
 $E = 4.06'$   
 $e = N/C$   
 P.C. STA. = 62+68.85  
 P.T. STA. = 63+58.24



**UTILITIES:**  
 TELEPHONE- ILLINOIS CONSOLIDATED TELEPHONE COMPANY  
 VERIZON NORTH INC.  
 GAS- AMEREN CIPS  
 ELECTRICITY- NORRIS ELECTRIC COOPERATIVE  
 AMEREN CIPS  
 WATER- E J WATER CORPORATION  
 LAKE SARA AREA WATER COOPERATIVE, INC.  
 CITY OF EFFINGHAM  
 SEWER- CITY OF EFFINGHAM  
 T.V. CABLE- AT & T MEDIA SERVICE

TRACT	OWNER	ADD AREA	EXIST. AREA	EASEMENT	REM. AREA	INST	MICRO FILM NO RECORDED	DATE	BOOK	PAGE	AREA	SOLD EXCESS
7007101	JAMES H. SPORLEDER ET AL	40,276	5,957		3,678,109							
	TRACT 1	17,636	5,957		3,509,183							
	TRACT 2	22,640			122,693							
7007104	SPORLEDER FARMS, INC	14,760			175,684							
7007105	DELBERT E. SOLTWEDEL	45,350	16,732		2,557,380							
	TRACT 1	35,935	16,732									
	TRACT 2	9,415										
7007111	JAMES H. SPORLEDER	3,942			1,258,810							
7007112	EMMA MARGUERITE SOLTWEDEL ET AL	41,578			690,364							

CONTRACT NO.	LIST OF IRON PINS, PIPES OR MONUMENTS TO BE PROTECTED
FIELD BOOK NO 449, 450, 451, 452 & 452B	STATION OFFSET LABEL
(R) RECORDED DISTANCE	895+84.11 27.85'(LT) SECTION CORNER

- - IRON PIN
- - ROW MARKER
- - BRASS MONUMENT

NOTE: ALL AREAS ARE IN SQUARE FEET UNLESS OTHERWISE NOTED.

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983

**RIGHT OF WAY PLANS**  
**FAP ROUTE 774**  
 PROJECT SECTION  
 STATION 888+00.00 TO  
 STATION 903+00.00  
 COUNTY EFFINGHAM  
 SCALE 1"=50' SHEET 4 OF 7

DRAWN BY: NJV  
 WRITTEN BY: TLS  
 CHECKED BY: BKB  
 INSPECTED BY: RMD

1544-208-A3-1 1/2" 3/17/02 1:38:18 PM

# T 8 N-R 5 E 3rd P.M. SUMMIT TWP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	125

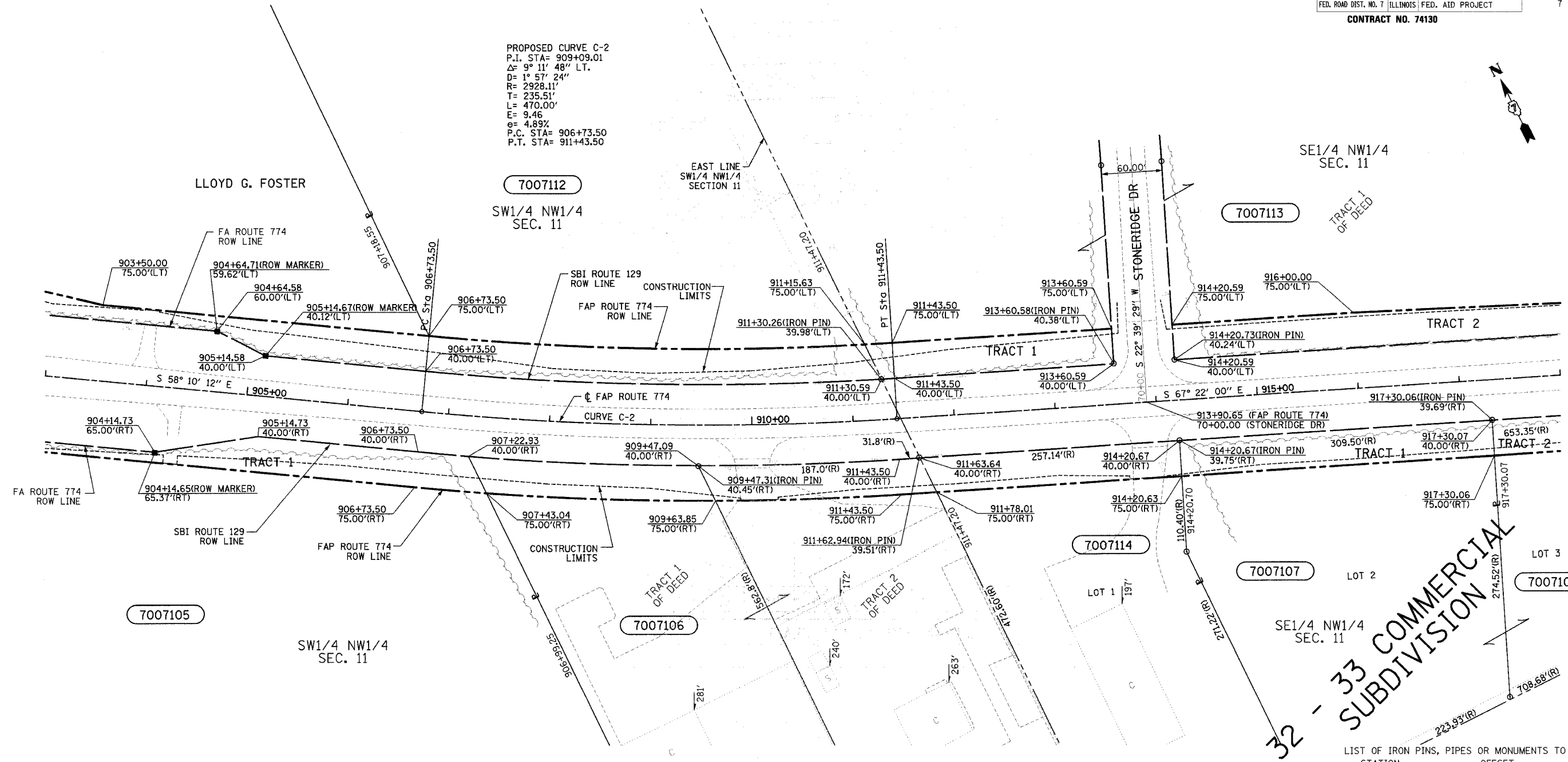
SHEET NO. 5  
7 SHEETS

CONTRACT NO. 74130

10/7/02  
\\0349903\ROW ROWPLANSI-4.DGN

1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18  
19 20 21 22 23 24 25 26 27  
28 29 30 31 32 33 34 35 36  
37 38 39 40 41 42 43 44  
45 46 47 48 49 50 51 52  
53 54 55 56 57 58 59 60 61  
62 63

PROPOSED CURVE C-2  
P.I. STA= 909+09.01  
Δ= 9° 11' 48" LT.  
D= 1° 57' 24"  
R= 2928.11'  
T= 235.51'  
L= 470.00'  
E= 9.46  
e= 4.89%  
P.C. STA= 906+73.50  
P.T. STA= 911+43.50



**UTILITIES:**  
 TELEPHONE- ILLINOIS CONSOLIDATED TELEPHONE COMPANY  
 VERIZON NORTH INC.  
 GAS- AMEREN CIPS  
 ELECTRICITY- NORRIS ELECTRIC COOPERATIVE  
 AMEREN CIPS  
 WATER- E J WATER CORPORATION  
 LAKE SARA AREA WATER COOPERATIVE, INC.  
 CITY OF EFFINGHAM  
 SEWER- CITY OF EFFINGHAM  
 T.V. CABLE- AT & T MEDIA SERVICE

PARCEL	OWNER	ADD AREA	EXIST. AREA	EASEMENT	REM. AREA	INST	MICRO FILM NO RECORDED	DATE	BOOK	PAGE	AREA	SOLD EXCESS
7007105	DELBERT E. SOLTWEDEL	45,350	16,732		2,557,380							
	TRACT 1	35,935	16,732									
	TRACT 2	9,415										
7007106	GARY L. BARTELS	15,604			212,004							
7007112	EMMA MARGUERITE SOLTWEDEL ET AL	41,578			690,364							
7007113	KABBES PROPERTIES INC., AN ILLINOIS CORPORATION	58,821			4,609,593							
	TRACT 1	8,296										
	TRACT 2	50,525										
7007114	RANDOLPH DAVID LAWRENCE	8,744			78,707							
7007107	KABBES PROPERTIES INC., AN ILLINOIS CORPORATION	32,407			149,076							
	TRACT 1	10,829			79,549							
	TRACT 2	21,578			69,527							

LIST OF IRON PINS, PIPES OR MONUMENTS TO BE PROTECTED

STATION	OFFSET	LABEL
909+47.31	40.45'(RT)	IRON PIN
911+30.26	39.98'(LT)	IRON PIN
911+62.94	39.51'(RT)	IRON PIN
913+60.58	40.38'(LT)	IRON PIN
914+20.67	39.75'(RT)	IRON PIN
914+20.73	40.24'(LT)	IRON PIN
917+30.06	39.69'(RT)	IRON PIN

CONTRACT NO. 74130  
 FIELD BOOK NO 449, 450, 451, 452 & 452B  
 (R) RECORDED DISTANCE

○ - IRON PIN  
 ■ - ROW MARKER

NOTE: ALL AREAS ARE IN SQUARE FEET UNLESS OTHERWISE NOTED.

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983

RIGHT OF WAY PLANS  
 FAP ROUTE 774

PROJECT	SECTION
STATION 903+00.00	TO
STATION 918+00.00	
COUNTY	EFFINGHAM
SCALE	1"=50'

SHEET 5 OF 7



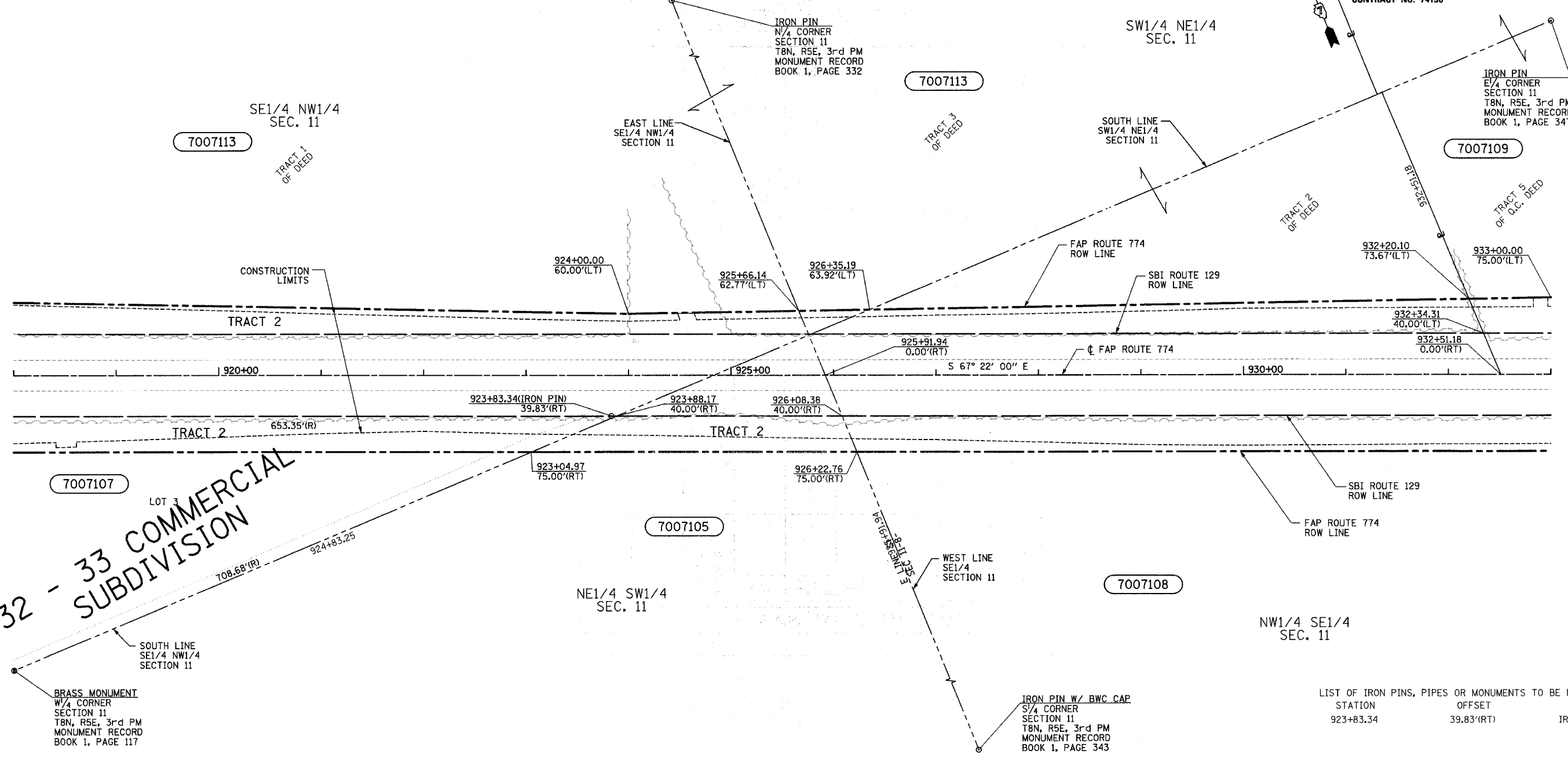
# T 8 N-R 5 E 3rd P.M. SUMMIT TWP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	126

SHEET NO. 6  
7 SHEETS

CONTRACT NO. 74130

10/7/02  
 \0349903\ROW\ROWPLANS5-8.DGN  
 1 2 3 4 5 6 7 8 9  
 10 11 12 13 14 15 16 17 18  
 19 20 21 22 23 24 25 26 27  
 28 29 30 31 32 33 34 35 36  
 37 38 39 40 41 42 43 44 45  
 46 47 48 49 50 51 52 53 54  
 55 56 57 58 59 60 61 62 63



**32 - 33 COMMERCIAL SUBDIVISION**

**UTILITIES:**  
 TELEPHONE- ILLINOIS CONSOLIDATED TELEPHONE COMPANY  
 VERIZON NORTH INC.  
 GAS- AMEREN CIPS  
 ELECTRICITY- NORRIS ELECTRIC COOPERATIVE  
 AMEREN CIPS  
 WATER- E J WATER CORPORATION  
 LAKE SARA AREA WATER COOPERATIVE, INC.  
 CITY OF EFFINGHAM  
 SEWER- CITY OF EFFINGHAM  
 T.V. CABLE- AT & T MEDIA SERVICE

TRACT	OWNER	ADD AREA	EXIST. AREA	EASEMENT	REM. AREA	INST	MICRO FILM NO RECORDED	DATE	BOOK	PAGE	AREA EXCESS	SOLD
7007105	DELBERT E. SOLTWEDEL	45,350	16,732		2,557,380							
	TRACT 1	35,935	16,732									
	TRACT 2	9,415										
7007108	BEVERLY ANN SOLTWEDEL	25,276	28,887		1,386,253							
7007109	LLOYD G. FOSTER ET AL	54,257	60,307		4,349,749							
7007113	KABBE PROPERTIES, INC., AN ILLINOIS CORPORATION	58,821			4,609,593							
	TRACT 1	8,296										
	TRACT 2	50,525										
7007107	KABBE PROPERTIES, INC., AN ILLINOIS CORPORATION	32,407			149,076							
	TRACT 1	10,829			79,549							
	TRACT 2	21,578			69,527							

LIST OF IRON PINS, PIPES OR MONUMENTS TO BE PROTECTED

STATION	OFFSET	LABEL
923+83.34	39.83'(RT)	IRON PIN

CONTRACT NO. 74130  
 FIELD BOOK NO 449, 450, 451, 452 & 452B  
 (R) RECORDED DISTANCE

○ - IRON PIN  
 ● - BRASS MONUMENT

NOTE: ALL AREAS ARE IN SQUARE FEET UNLESS OTHERWISE NOTED.

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983

**RIGHT OF WAY PLANS**  
 FAP ROUTE 774  
 PROJECT SECTION  
 STATION 918+00.00 TO 933+00.00  
 COUNTY EFFINGHAM  
 SCALE 1"=50' SHEET 6 OF 7

DRAWN BY: NJV  
 WRITTEN BY: TLS  
 CHECKED BY: BKB  
 INSPECTED BY: RMD

JOB NO.

# T 8 N-R 5 E 3rd P.M. SUMMIT TWP

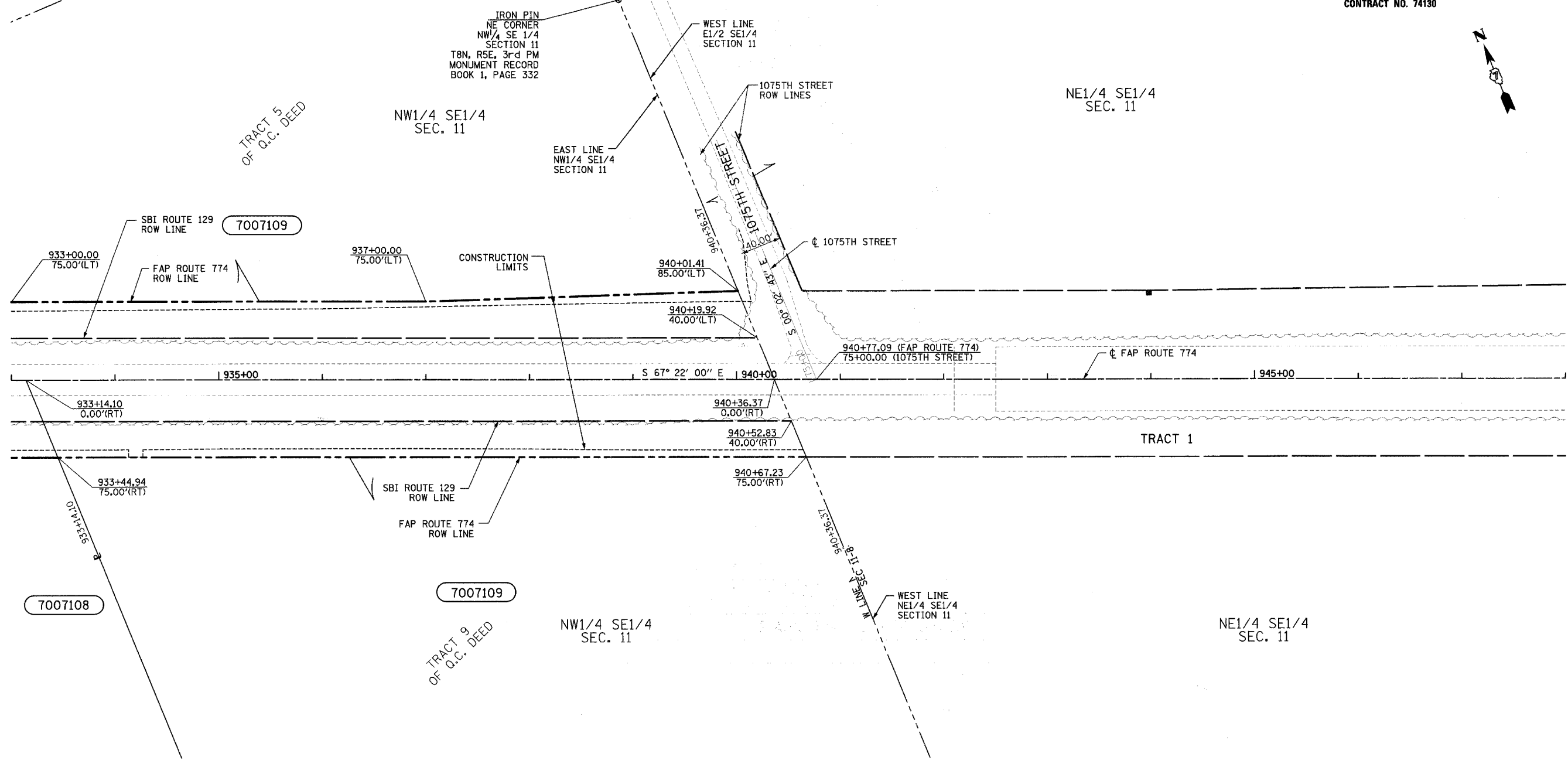
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107 WRS-2, L	EFFINGHAM	127	127
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74130

SHEET NO. 7  
7 SHEETS

10/7/02 \\0349903\ROW\ROWPLANS5-8.DGN

1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18  
19 20 21 22 23 24 25 26 27  
28 29 30 31 32 33 34 35 36  
37 38 39 40 41 42 43 44  
45 46 47 48 49 50 51 52  
53 54 55 56 57 58 59 60 61  
62 63



**UTILITIES:**

TELEPHONE- ILLINOIS CONSOLIDATED TELEPHONE COMPANY  
VERIZON NORTH INC.

GAS- AMEREN CIPS

ELECTRICITY- NORRIS ELECTRIC COOPERATIVE  
AMEREN CIPS

WATER- E J WATER CORPORATION  
LAKE SARA AREA WATER COOPERATIVE, INC.  
CITY OF EFFINGHAM

SEWER- CITY OF EFFINGHAM

T.V. CABLE- AT & T MEDIA SERVICE

CONTRACT NO.  
FIELD BOOK NO 449, 450, 451,  
452 & 452B  
(R) RECORDED DISTANCE

NOTE: ALL AREAS ARE IN SQUARE FEET  
UNLESS OTHERWISE NOTED.

NOTE:  
BEARINGS ARE REFERENCED TO THE  
ILLINOIS STATE PLANE COORDINATE  
SYSTEM EAST ZONE DATUM OF 1983

RIGHT OF WAY PLANS  
FAP ROUTE 774

PROJECT SECTION

STATION 933+00.00 TO  
STATION 940+36.37  
COUNTY EFFINGHAM  
SCALE 1"=50' SHEET 7 OF 7

PARCEL	OWNER	ADD AREA	EXIST. AREA	EASEMENT	REM. AREA	INST	MICRO FILM NO RECORDED	DATE	BOOK	PAGE	AREA	SOLD EXCESS
7007108	BEVERLY ANN SOLTWEDEL	25,276	28,887		1,386,253							
7007109	LLOYD G. FOSTER ET AL	54,257	60,307		4,349,749							

JOB NO.

BLANK, WESSELINK, COOK & ASSOCIATES

ENGINEERS - CONSULTANTS DECATUR, ILLINOIS

F.A.P. 774 (IL RTE 32/33)

EFFINGHAM COUNTY

DRAWN BY: NJV  
WRITTEN BY: T.L.S.  
CHECKED BY: BKB  
INSPECTED BY: RMD