

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED  
FEDERAL HIGHWAY PROJECT

F.A.P. ROUTE 750 (IL RTE. 185)  
SECTION (112)Y,WRS  
PROJECT: F-0750(101)  
WIDENING AND RESURFACING

FAYETTE COUNTY

C-97-008-05

DESIGN DESIGNATION - RURAL MINOR ARTERIAL

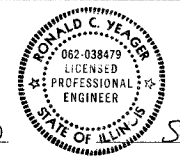
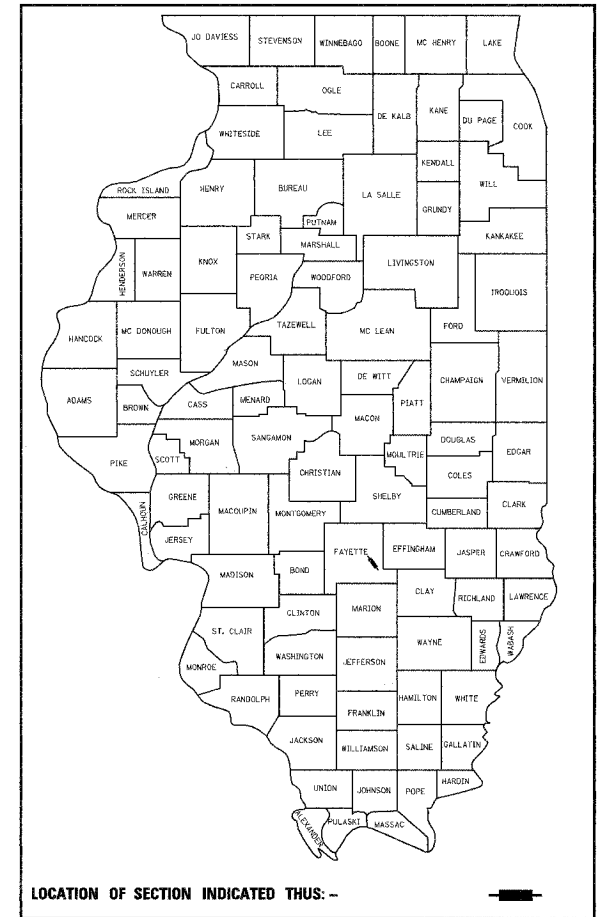
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	1
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
D-97-005-05 CONTRACT NO. 74080				

STATION EQUATIONS

STA 57+35.15 BK = STA 57+51.90 AH

STRUCTURES

STATION NUMBER  
34+83.0 026-0091

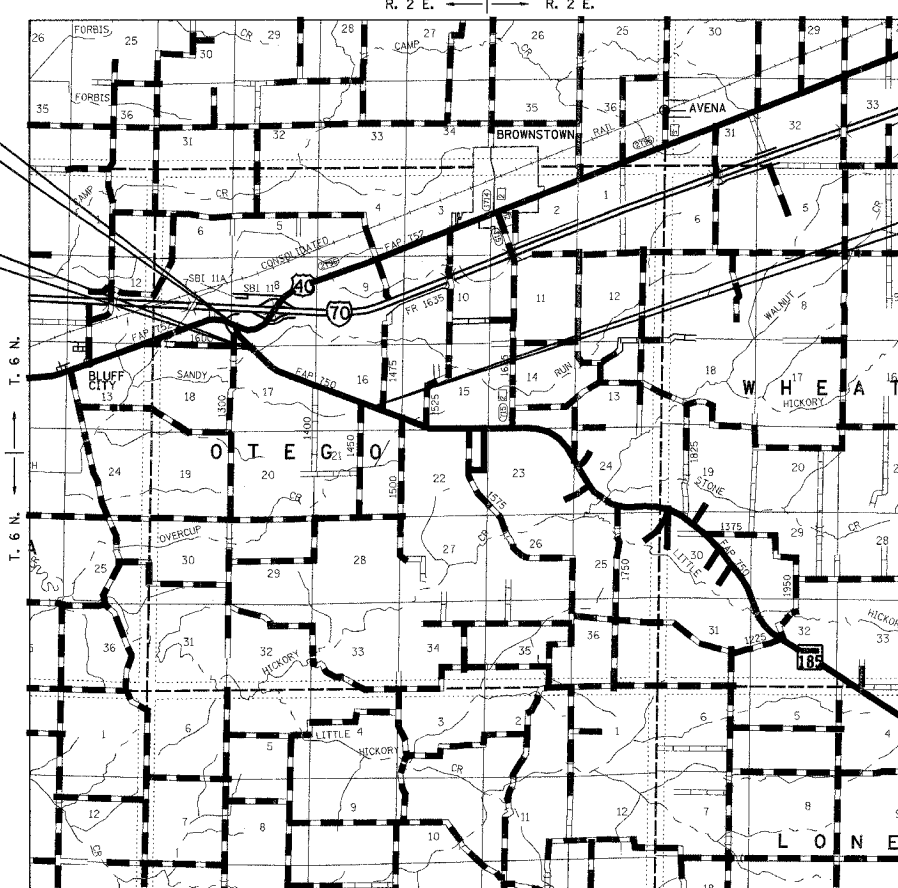


*Ronald C. Yeager*  
**RONALD C. YEAGER** 062-038479  
 LICENSE EXPIRES 11/30/2005  
 DATE *September 23, 2005*

PROJECT BEGINS  
STA. 14+00.25

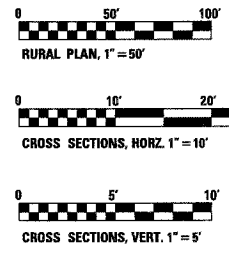
BRIDGE OMISSION  
BRIDGE 026-0091  
STA. 34+28.99  
TO 35+00.91

PROJECT ENDS  
STA. 120+00.00



LOCATION MAP  
(NO SCALE)

GROSS PROJECT LENGTH = 10,599.75 FEET = 2.008 MILES  
 NET PROJECT LENGTH = 10,513.97 FEET = 1.991 MILES  
 ADT: CURRENT (2003) 1300

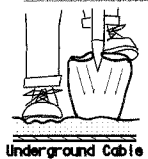


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 74080

**HOLD IT! CALL BEFORE YOU DIG!**  
 Phone J.U.L.I.E.



The owner would like to remind you that underground utility facilities can be damaged by shovel blades or other digging equipment. You can prevent damage or possible personal danger by phoning 800/892-0123 at least 48 hours before you dig. That's the toll-free number for J.U.L.I.E., which stands for Joint Utility Location Information for Excavations.

If there are any pipes, cables, lines or mains in the excavation area, utility personnel will be out to mark the facilities so you can work around them.

Toll Free 800/892-0123

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED *March 21, 2006*

*Christine M. Reed*  
**CHRISTINE M. REED, P.E.** DEPUTY DIRECTOR OF HIGHWAYS  
 REGION FOUR ENGINEER

*Mike Hine*  
 ENGINEER OF DESIGN AND ENVIRONMENT

*William R. Seay, P.E.*  
 DIRECTOR, DIVISION OF HIGHWAYS

PREPARED BY: KUHLMANN DESIGN GROUP, BELLVILLE, ILLINOIS

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 OF THE STATE OF ILLINOIS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	2
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

**GENERAL NOTES**

1. THE WORK INCLUDED IN THIS SECTION CONSISTS OF REHABILITATING APPROXIMATELY 2.0 MILES OF IL. ROUTE 185 BY PATCHING, WIDENING, RESURFACING, EXTENDING AND REPLACING CULVERTS, AND OTHER WORK NECESSARY TO COMPLETE THIS SECTION.
2. THE PROPOSED PROJECT BEGINS AT THE INTERSECTION OF U.S. ROUTE 40 AND EXTENDS TO TR 1475E.
3. SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS SHALL BE CONSTRUCTED USING THE SAME MATERIAL AS AGGREGATE SHOULDERS, TYPE B. THE COST FOR THE ADDITIONAL AGGREGATE SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF THE TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL.
4. THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 7,419 FEET OF YELLOW AND 21,166 FEET OF WHITE.
5. THE ACTUAL LOCATIONS OF PAVEMENT PATCHES SHALL BE DETERMINED BY THE RESIDENT ENGINEER.
6. MATERIAL NEEDED TO CONSTRUCT EARTH SLOPES AT CULVERT EXTENSIONS, PIPE CULVERTS, ENTRANCE CULVERTS, ETC. MAY BE OBTAINED FROM THE EXCAVATION FOR BITUMINOUS CONCRETE BASE COURSE WIDENING. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE BID PRICE FOR THE ITEMS INVOLVED.
7. PORTIONS OF EXISTING CULVERTS, INCLUDING EXISTING DROP BOXES, MAY BE REMOVED TO FACILITATE THEIR EXTENSION AND OR END SECTIONS. THE ENGINEER SHALL DETERMINE THE LOCATIONS AND REMOVAL AREAS. THE COST FOR THE REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE OF THE PROPOSED CULVERTS INVOLVED.
8. REMOVAL OF ALL EXISTING DELINEATORS SHALL BE INCLUDED IN THE COST OF DELINEATORS.
9. CONSTRUCTION OF NEW ENTRANCES SHALL BE COORDINATED IN ORDER TO MAINTAIN ACCESS TO THE PROPERTY AT ALL TIMES.
10. BITUMINOUS SHOULDER REMOVAL IS INCLUDED IN THE QUANTITY FOR EARTH EXCAVATION (WIDENING).
11. ALL AREAS DISTURBED WITHIN THE CONSTRUCTION LIMITS SHALL BE FERTILIZED AND SEEDED. SEEDING SHALL BE CLASS 2.
12. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.
13. THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, RAP OR CRUSHED CONCRETE.
14. THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF FACILITIES 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.
15. CROSS SECTIONS ARE ONLY PROVIDED AT LOCATIONS WHERE CONSTRUCTION LIMITS EXTEND BEYOND THE EXISTING ROADWAY TOP.
16. TREE FELLING SHALL BE COMPLETED BETWEEN THE DATES OF SEPTEMBER 30 AND APRIL 1.
17. 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 MARKER WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE.
18. QUANTITIES OF BITUMINOUS CONCRETE BINDER AND SURFACE COURSE WERE CALCULATED USING THE FACTOR 112 POUNDS/SQ. YARD/INCH. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE	MIXTURE USE(S):	BASE COURSE WIDENING
AC/PG:	PG 64-22	AC/PG:	PG 64-22
RAP% (MAX)	15%	RAP% (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 50	DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE )	IL-9.5	MIXTURE COMPOSITION: (GRADATION MIXTURE )	IL-19.0
FRICTION AGGREGATE:	MIXTURE C	FRICTION AGGREGATE:	N/A
MIXTURE USE(S):	LEVELING BINDER	MIXTURE USE(S):	INCIDENTAL SURFACE
AC/PG:	PG 64-22	AC/PG:	PG 64-22
RAP% (MAX)	15%	RAP% (MAX)	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 50	DESIGN AIR VOIDS:	4.0% @ NDESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE )	IL-9.5	MIXTURE COMPOSITION: (GRADATION MIXTURE )	IL-9.5
FRICTION AGGREGATE:	N/A	FRICTION AGGREGATE:	MIXTURE C
MIXTURE USE(S):	PARTIAL DEPTH PATCHING		
AC/PG:	PG 64-22		
RAP% (MAX)	15%		
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70		
MIXTURE COMPOSITION: (GRADATION MIXTURE )	IL-19.0		
FRICTION AGGREGATE:	N/A		

19. THE CONTRACTOR WILL PROVIDE INTERNET ACCESSIBILITY TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL BITUMINOUS ITEMS.
20. FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT), THE CONTRACTOR SHALL USE EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-IHP.

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING SHEET NUMBER 52:

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
- 406201 MAILBOX TURNOUT
- 442201-01 PATCHING
- 482011-01 BIT. SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS
- 542106 REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERT
- 542301 END SECTION, FLARED, PRECAST REINFORCED CONCRETE, ROUND
- 606001-02 CONC. CURB TYPE B AND COMBINATION CONC. CURB AND GUTTER
- 606006 OUTLETS FOR CONC. CURB AND GUTTER TYPE B-15.60 (B-6.24)
- 606201 TYPE B GUTTER (INLET, OUTLET, AND ENTRANCE)
- 606301-02 PC CONCRETE ISLAND AND MEDIANS
- 630001-06 STEEL PLATE BEAM GUARDRAIL
- 630301-03 SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
- 631031-05 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635001 DELINEATORS
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR MARKER AND MOUNTING DETAILS
- 667101 PERMANENT SURVEY MARKERS
- 701001-01 LANE CLOSURE, OFF-ROAD OPERATIONS, 2L 2W, 15' MINIMUM AWAY, FOR SPEEDS > 45 MPH
- 701006-02 LANE CLOSURE, OFF-ROAD OPERATIONS, 2L 2W, 15' TO 24' AWAY, FOR SPEEDS > 45 MPH
- 701011-01 LANE CLOSURE, OFF-ROAD OPERATIONS, 2L 2W, MOVING, DAY ONLY, FOR SPEEDS > 45 MPH
- 701201-02 LANE CLOSURE, 2L 2W, DAY ONLY, ON-ROAD TO 24" OFF-ROAD, FOR SPEEDS > 45 MPH
- 701301-02 LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE, 2L 2W, DAY ONLY, SLOW MOVING OPERATIONS, FOR SPEEDS > 45 MPH
- 701311-02 LANE CLOSURE, 2L 2W, DAY ONLY, MOVING OPERATIONS
- 701326-02 LANE CLOSURE, 2-L, 2-W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
- 701336-04 LANE CLOSURE, 2-L, 2-W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
- 702001-06 TRAFFIC CONTROL DEVICES
- 720011 METAL POST (SIGNS, MARKERS, AND DELINEATORS)
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL RAISED REFLECTIVE PAVEMENT MARKERS

**INDEX OF SHEETS**

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- 31 SPECIAL SHEET - BUTT JOINT DETAIL
- 32-52 CROSS-SECTIONS - F.A.P. 750

**LIST OF UTILITY COMPANIES**

- ATMOS ENERGY - UNITED CITIES 618-283-3190
- ILLINOIS POWER 618-244-8271
- SBC 618-533-3411
- \* MAGELLAN PIPELINE CO., LC 918-573-0124
- \* EXXON MOBILE PIPELINE CO. 618-432-5646 EXT 18
- \* CHICAP PIPELINE CO. 618-432-5311
- \* NOTE:  
SEE PLANS FOR LOCATIONS AND NOTIFICATION/CONSTRUCTION REQUIREMENTS.

REVISIONS	
NAME	DATE
KdG	3/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**GENERAL NOTES AND INDEX OF SHEETS**  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.

SCALE: DRAWN BY CRO  
 DATE September 23, 2005 CHECKED BY RCY

DATE	BY	REVISIONS

DATE	BY	REVISIONS

02/27 AM 3/24/2006 J:\2003\030045\0002\Civil\Phase 1\KdG\DDN\PL\gen750.dgn

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	3
STA.	TO STA.			
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74080

SUMMARY OF QUANTITIES

CODE	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
				1000-2A	Y080
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	16	16	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18	
20100500	TREE REMOVAL <i>Acres</i>	ACRE	0.25	0.25	
20200100	EARTH EXCAVATION	CU YD	635	635	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	1820	1820	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	645	645	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	520	520	
25000200	SEEDING, CLASS 2	ACRE	2.25	2.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	186	186	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	186	186	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	186	186	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4.1	4.1	
25100115	MULCH, METHOD 2	ACRE	2.25	2.25	
25100630	EROSION CONTROL BLANKET	SQ YD	161	161	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	207	207	
28000300	TEMPORARY DITCH CHECKS	EACH	37	37	
28000500	INLET AND PIPE PROTECTION	EACH	29	29	
28000900	FENCE (EROSION CONTROL)	FOOT	3709	3709	
28100107	STONE RIPRAP, CLASS A4	SQ YD	96	96	
28200200	FILTER FABRIC	SQ YD	96	96	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	224	224	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	4288	4288	
40600300	AGGREGATE (PRIME COAT)	TON	84	84	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	668	668	
40600990	TEMPORARY RAMP	SQ YD	133	133	
44000025	BITUMINOUS SURFACE REMOVAL (SPECIAL)	SQ YD	1250	1250	
44000400	GUTTER REMOVAL	FOOT	2288	2288	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	323	323	
44200164	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	166	166	
44200168	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	532	532	
44200172	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	451	451	
44200174	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	1032	1032	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	336	336	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	5778	5778	
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	533	533	

SUMMARY OF QUANTITIES

CODE	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
				1000-2A	Y080
50105210	REMOVE EXISTING CULVERTS	FOOT	82	82	
54001002	BOX CULVERT END SECTION, CULVERT NO. 2	EACH	2	2	
54001003	BOX CULVERT END SECTION, CULVERT NO. 3	EACH	2	2	
54001026	BOX CULVERT END SECTION, CULVERT NO. 26	EACH	2	2	
54010202	PRECAST CONCRETE BOX CULVERT 2' X 2'	FOOT	50	50	
54010402	PRECAST CONCRETE BOX CULVERT 4' X 2'	FOOT	188	188	
54200439	PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	16	16	
54200649	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 24"	FOOT	44	44	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
54215424	CAST IN PLACE REINFORCED CONCRETE END SECTIONS, 24"	EACH	2	2	
54215559	METAL END SECTION 24"	EACH	2	2	
54248515	CONCRETE COLLAR	EACH	2	2	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	29.1	29.1	
60602800	CONCRETE GUTTER, TYPE B	FOOT	1453	1453	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	461	461	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	117	117	
63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	500	500	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	570	570	
63500105	DELINEATORS	EACH	44	44	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	32	32	
66700095	PERMANENT SURVEY MARKERS	EACH	4	4	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5	
67100100	MOBILIZATION	L SUM	1	1	

• DENOTES SPECIALTY ITEMS

PLAN NO. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 DATE \_\_\_\_\_

PLAN NO. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 DATE \_\_\_\_\_

REVISIONS	
NAME	DATE
KdG	3/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUMMARY OF QUANTITIES  
 SHEET 1 OF 2 SHEETS  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
 SCALE: \_\_\_\_\_ DRAWN BY: CRO  
 DATE: September 23, 2005 CHECKED BY: RCY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	4
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

### SUMMARY OF QUANTITIES

CODE	ITEM	UNIT	CONSTRUCTION TYPE CODE	
			1000-2A	Y080
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5534	5534
70300220	TEMPORARY PAINT PAVEMENT MARKING - LINE 4"	FOOT	28585	28585
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1845	1845
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	28585	28585
78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT	124	124
78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	30	30
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	132	132
* 78200405	GUARDRAIL MARKERS	EACH	10	10
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	132	132
X3550010	BITUMINOUS BASE COURSE SUPERPAVE	TON	210	210
X3560130	BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE 9"	SQ YD	7309	7309
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C" N50	TON	2406	2406
X4066616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL 19.0, N70	TON	214	214
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N50	TON	1724	1724
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	53	53
Z0076600	TRAINEES	HOUR	500	500

\* SPECIALTY ITEMS

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 REVISIONS \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 ALIGNMENT CHECKED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 REVISIONS \_\_\_\_\_  
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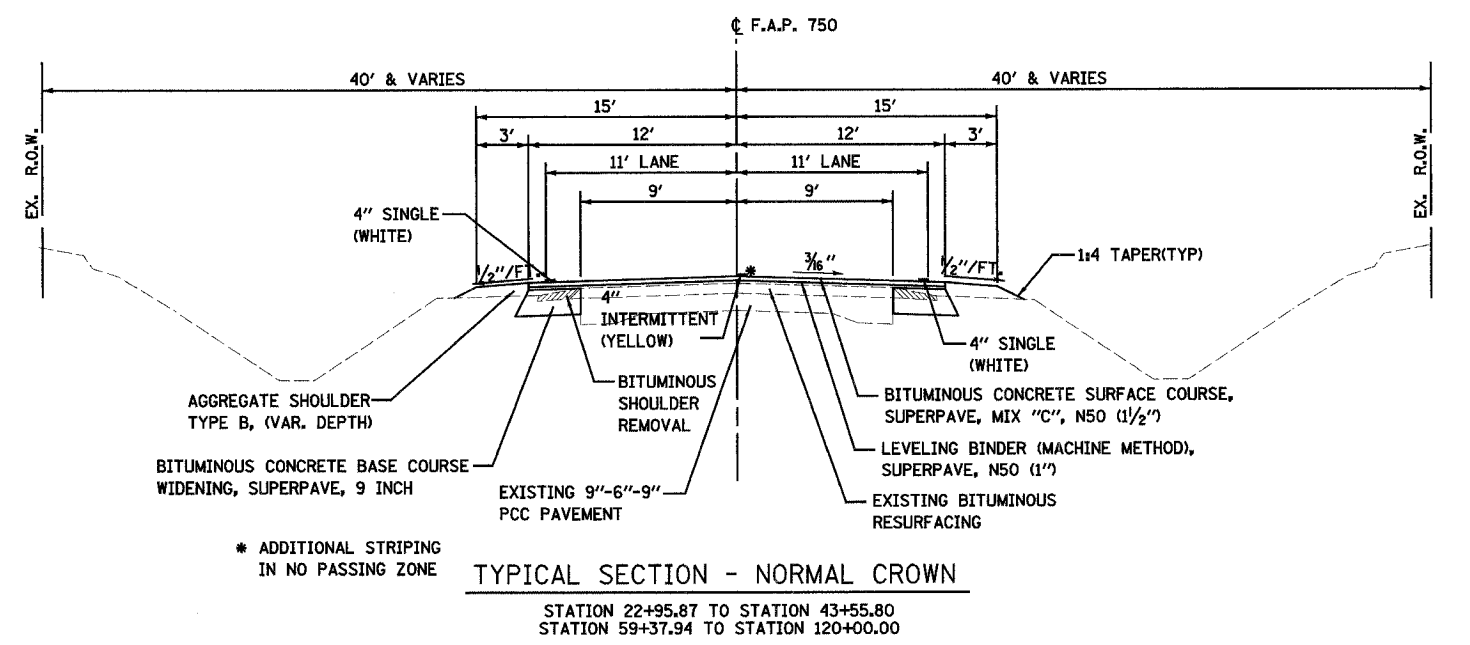
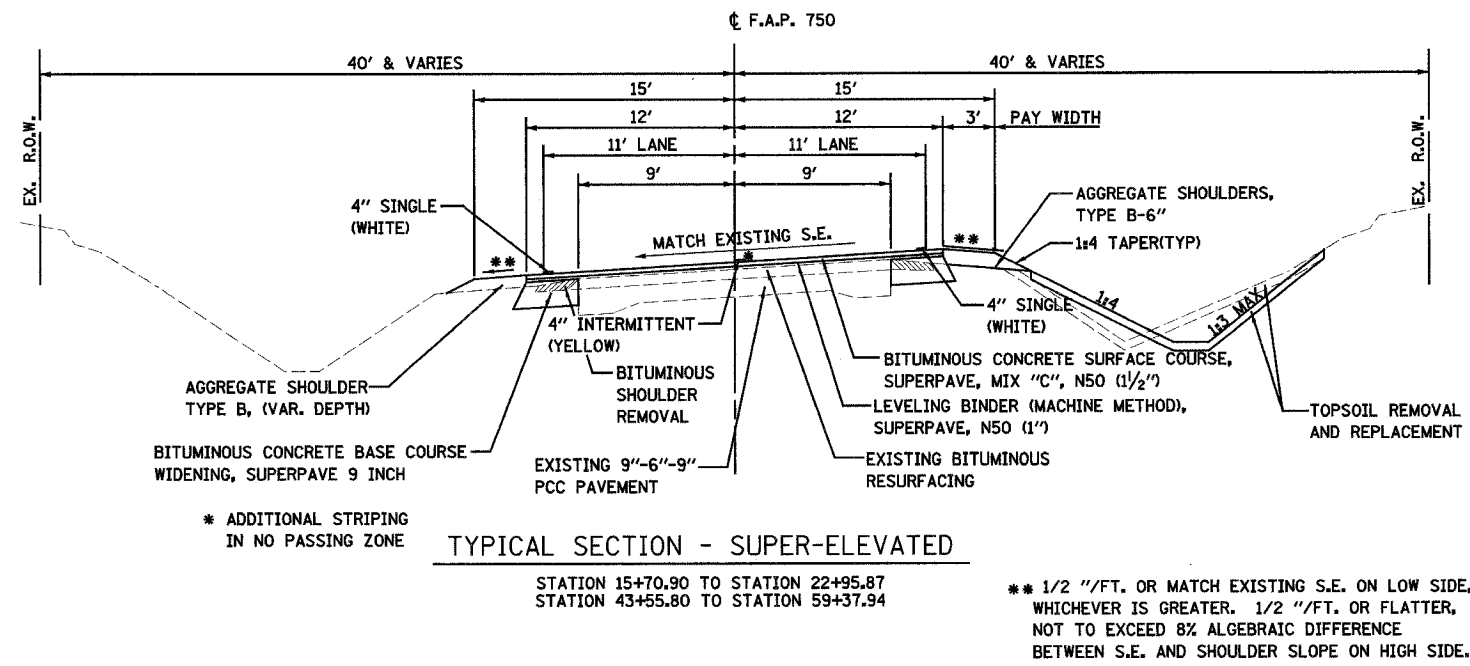
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KdG	3/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**  
**SHEET 2 OF 2 SHEETS**  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080



- NOTES:**
1. SEE CROSS-SECTIONS FOR LOCATIONS OF REQUIRED SLOPE AND DITCH GRADING.
  2. SEE AGGREGATE SHOULDER SCHEDULE FOR LOCATIONS OF FULL DEPTH 6" SHOULDERS.
  3. TYPICAL SECTIONS-WITH GUTTERS SHOWN WITH NORMAL CROWN, SEE PLAN FOR LOCATIONS OF SUPER-ELEVATED SECTIONS.
  4. TYPICAL SECTION-FILL SECTION SHOWN WITH NORMAL CROWN, SEE PLAN FOR LOCATIONS OF SUPER-ELEVATED SECTIONS.
  5. SEE PLAN FOR LOCATIONS OF SHOULDER WIDENING FOR PROPOSED GUARDRAIL AND MAIL BOX TURN-OUTS.
  6. REMOVE TOPSOIL FROM EXISTING SLOPE BREAK TO PROPOSED OUTER GRADING LIMITS PRIOR TO CONSTRUCTING EMBANKMENTS AND FINAL GRADING IN CUT SECTIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

**SHEET 1 OF 2**

F.A.P. 750 (IL. RTE. 185)

SECTION 112 - FAYETTE CO.

SCALE:      DRAWN BY      CRO

DATE September 23, 2005      CHECKED BY      RCY

DATE	
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PLAN	
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BY	
PLAN	
DESIGNED	
PLOTTED	
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NOTE BOOK	
NO.	

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CONTRACT NO. 74080

**BITUMINOUS MATERIALS**

STATION	TO	STATION	BASELINE	BITUMINOUS CONC. BSE, CSE, WDNG. SUPERPAVE 9" SQ. YD.	BITUMINOUS CONC. SURFACE COURSE, SUPERPAVE MIX "C" N50 TON	LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N50 TON	BITUMINOUS MATERIALS (PRIME COAT) GAL	AGGREGATE (PRIME COAT) TON
14+00.25		15+00.00	F.A.P. 750	366	69	46	61	1
15+00.00		30+00.00	F.A.P. 750	1000	336	224	300	6
30+00.00		34+28.99	F.A.P. 750	286	97	65	86	2
35+00.91		46+00.00	F.A.P. 750	733	247	165	220	4
46+00.00		57+35.15	F.A.P. 750	757	255	170	227	5
57+51.90		62+00.00	F.A.P. 750	299	101	67	90	2
62+00.00		78+00.00	F.A.P. 750	1067	359	239	320	6
78+00.00		94+00.00	F.A.P. 750	1067	359	239	320	6
94+00.00		110+00.00	F.A.P. 750	1067	359	239	320	6
110+00.00		120+00.00	F.A.P. 750	667	224	150	200	4
<b>TOTALS</b>				<b>7309</b>	<b>2406</b>	<b>1604</b>	<b>2144</b>	<b>42</b>
<b>TOTALS (TWO APPLICATIONS)</b>							<b>4288</b>	<b>84</b>

**PAVEMENT PATCHING**  
SQ YD

STATION	TO	STATION	PAVEMENT PATCHING TYPE I, 14"	PAVEMENT PATCHING TYPE II, 14"	PAVEMENT PATCHING TYPE III, 14"	PAVEMENT PATCHING TYPE IV, 14"	BITUMINOUS SURFACE REMOVAL (SPECIAL)	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE TON
85+20.00		82+35.00				30		
106+72.00		106+93.00				44		
						* 958		
<b>TOTALS</b>			<b>* 166</b>	<b>* 532</b>	<b>* 451</b>	<b>1032</b>	<b>* 1250</b>	<b>* 214</b>
			<b>166</b>	<b>532</b>	<b>451</b>	<b>1032</b>	<b>1250</b>	<b>214</b>

\* NOTE: THESE QUANTITIES PROVIDED BY THE DISTRICT

**PIPE CULVERTS**  
FOOT

CULVERT NO.	BASELINE	STATION	DESCRIPTION	PIPE CULVERTS TYPE 1, RCCP 24"
1	F.A.P. 750	15+00.00	EXTENSION ON RIGHT	16
<b>TOTALS</b>				<b>16</b>

**BOX CULVERT END SECTIONS**  
EACH

NO.	BASELINE	STATION	SIDE	OFFSET	SIZE	NO. 2	NO. 3	NO. 26
2	F.A.P. 750	85+27.85	RT.	29.98	4' X 2'	1		
2	F.A.P. 750	85+28.30	LT.	29.98	4' X 2'	1		
3	F.A.P. 750	99+75.75	RT.	26.80	2' X 2'		1	
3	F.A.P. 750	99+76.15	LT.	26.19	2' X 2'		1	
26	F.A.P. 750	36+72.70	RT.	41.16	2' X 2'			1
26	F.A.P. 750	37+24.70	RT.	40.38	2' X 2'			1
<b>TOTALS</b>						<b>2</b>	<b>2</b>	<b>2</b>

**PRECAST CONCRETE BOX CULVERTS**  
FOOT

CULVERT NO.	STATION	STATION	2 X 2 PCBC	4 X 2 PCBC
26	36+72.70	37+24.70	40	
2	85+28.00			60
3	99+75.00		10	
4	106+82.00			128
<b>TOTALS</b>			<b>50</b>	<b>188</b>

**PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"**  
EACH

CULVERT NO.	BASELINE	STATION	OFFSET	SIDE	END SECTION 24"
1	F.A.P. 750	14+95.04	45.86	RT.	1
1	F.A.P. 750	15+04.42	29.94	LT.	1
<b>TOTALS</b>					<b>2</b>

**PAVEMENT MARKING**

STATION	TO	STATION	DESCRIPTION	PREFORMED LINE 12" YELLOW FOOT	PREFORMED LINE 24" WHITE FOOT	PAINT LINE 4" YELLOW FOOT	PAINT LINE 4" WHITE FOOT
14+19.76 LT.		14+62.31 LT.	CHEVRONS	124			
14+30			STOP BARS		30		
14+00.25		20+15.00	DB YEL			1,230	1,230
20+15.00		31+53.00	NO PASS			1,423	2,276
31+53.00		39+75.00	PASSING			206	1,644
39+75.00		49+94.00	NO PASS			1,274	2,038
49+94.00		53+42.00	DB YEL			696	696
53+42.00		57+35.15	NO PASS (EQ)			491	786
57+35.15		62+89.00	NO PASS (EQ)			671	1,074
62+89.00		120+00.00	PASSING			1,428	11,422
<b>TOTAL</b>				<b>124</b>	<b>30</b>	<b>7,419</b>	<b>21,166</b>
<b>GRAND TOTAL</b>						<b>28,585</b>	

**CORRUGATED METAL PIPE - 24"**

STATION	TO	STATION	SIDE	PIPE CULVERTS, TYPE 1 CORRUGATED METAL PIPE FOOT	METAL END SECTION EACH
54+68.00		55+07.00		44	2
<b>TOTALS</b>					<b>44</b>

**GUARDRAIL MARKERS**  
EACH

STATION	TO	STATION	SIDE	GUARDRAIL MARKERS
31+79.00		34+22.00	RT.	3
32+67.00		34+35.00	LT.	2
34+94.00		36+63.00	RT.	2
35+07.00		37+50.00	LT.	3
<b>TOTALS</b>				<b>10</b>

**TERMINAL MARKER - DIRECT APPLIED**  
EACH

STATION	TO	STATION	SIDE	TERMINAL MARKER - DIRECT APPLIED
31+79.00		-	RT.	1
32+67.00		-	LT.	1
-		36+63.00	RT.	1
-		37+50.00	LT.	1
<b>TOTALS</b>				<b>4</b>

**CONCRETE COLLAR**  
EACH

NO.	BASELINE	STATION	SIDE	OFFSET	SIZE	CONCRETE COLLAR
3	F.A.P. 750	99+75.79	RT.	20.97	2' X 2'	1
3	F.A.P. 750	99+76.11	LT.	20.41	2' X 2'	1
<b>TOTALS</b>						<b>2</b>

4" YELLOW STRIPING ESTIMATED BASED UPON EXISTING NO PASSING ZONE STRIPING. FINAL BEGIN AND END LOCATIONS OF NO PASSING ZONES TO BE DETERMINED BY IDOT.  
4" WHITE EDGE LINE TO BE CONSTRUCTED 12" FROM EDGE OF BITUMINOUS PAVEMENT, SEE TYPICAL SECTIONS.

REVISIONS	
NAME	DATE
Kdg	3/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SCHEDULE OF QUANTITIES**  
SHEET 2 OF 3 SHEETS  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.

SCALE: \_\_\_\_\_ DRAWN BY: CRO  
DATE: September 23, 2005 CHECKED BY: RCY

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
PLAN: \_\_\_\_\_ SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ REVISIONS: \_\_\_\_\_  
NOTE BOOK: \_\_\_\_\_ RT. OF WAY CHECKED: \_\_\_\_\_  
NO. \_\_\_\_\_ CADD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
PLAN: \_\_\_\_\_ SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ REVISIONS: \_\_\_\_\_  
NOTE BOOK: \_\_\_\_\_ RT. OF WAY CHECKED: \_\_\_\_\_  
NO. \_\_\_\_\_ CADD FILE NAME: \_\_\_\_\_

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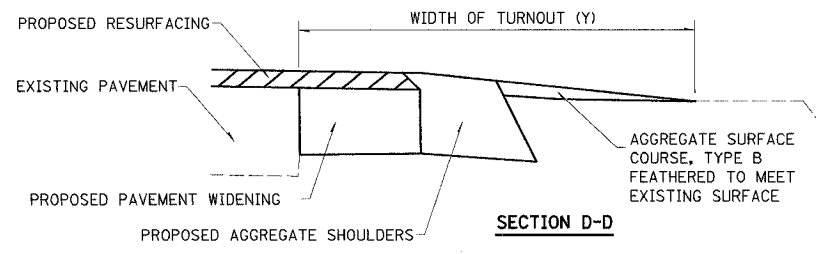
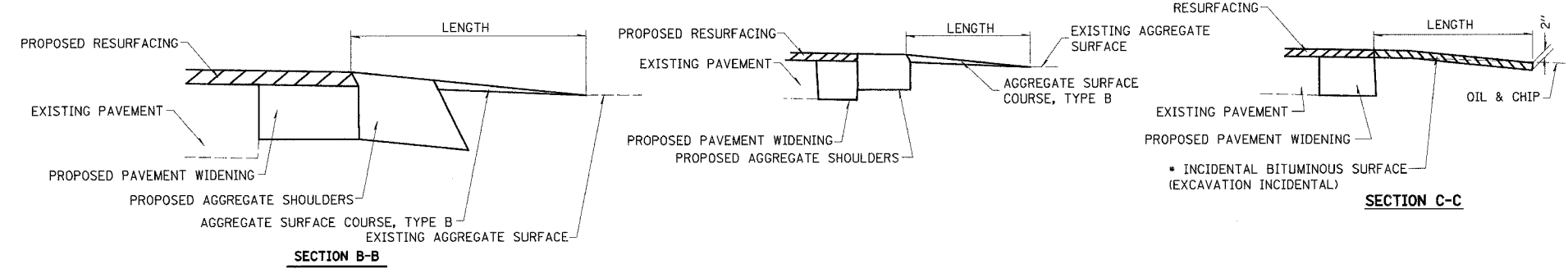
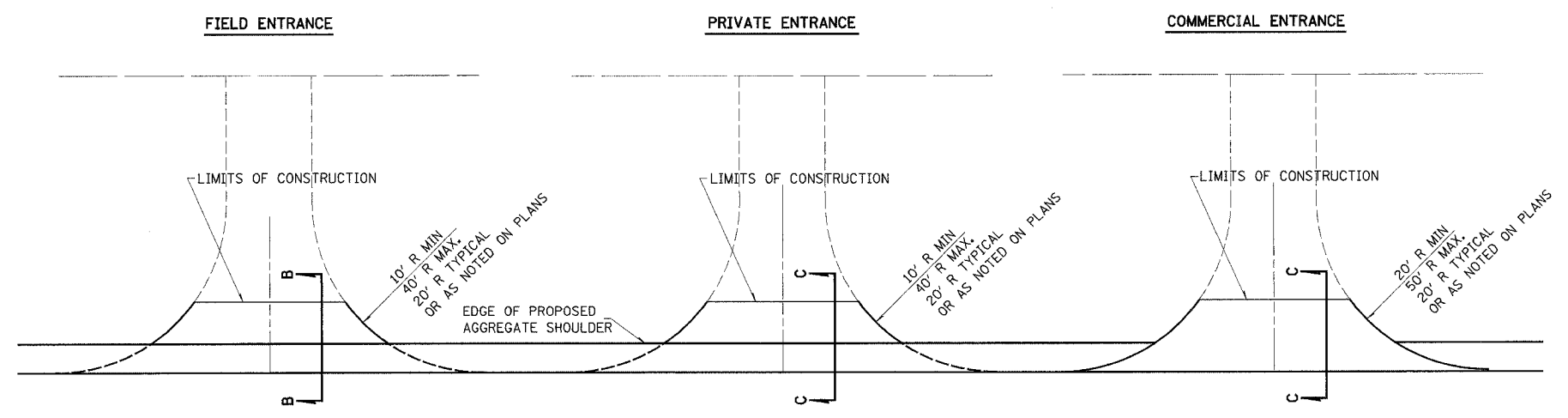




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	10
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74080

SEE SHEET 11  
FOR PUBLIC ROAD  
DETAILS



TYPICAL SECTION AT MAILBOX TURNOUT  
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

**NOTES**  
LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS  
THE THICKNESS OF THE BITUMINOUS SHOULDERS THROUGH COMMERCIAL ENTRANCES (BITUMINOUS) AND PUBLIC ROADS SHALL BE 10". THE COST OF THE EXTRA THICKNESS SHALL BE INCLUDED WITH THE BITUMINOUS SHOULDERS PAY ITEM.  
THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL BITUMINOUS SURFACING.  
BITUMINOUS SHOULDERS SHALL NOT BE CONSTRUCTED THROUGH A PCC ENTRANCE OR PCC PUBLIC ROAD APPROACH.  
IF REQUIRED, CONTRACTOR SHALL TRIM EXISTING OIL AND CHIP SURFACES IN ORDER TO PLACE 1/2" OF INCIDENTAL BITUMINOUS SURFACE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ENTRANCE DETAILS**  
**SHEET 1 OF 2**  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.  
SCALE: \_\_\_\_\_ DRAWN BY: CRO  
DATE: September 23, 2005 CHECKED BY: RCY

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BY	
REVISIONS	
ALIGNED	
NOTED	
NO.	
FILE NAME	

DATE	
BY	
REVISIONS	
ALIGNED	
NOTED	
NO.	
FILE NAME	

SIDE	STATION	TYPE	INCIDENTAL BITUMINOUS SURFACING, 2"*	
			TON	TON
RT.	16+20.70	PE		3.2
RT.	36+50	PE		105
LT.	40+49.49	FE		1.8
RT.	44+78.57	PE		5.7
RT.	48+46.43	FE		2.1
RT.	49+36.64	PE		3.8
LT.	49+88.64	PE		6.1
RT.	52+27.14	PE		2.8
LT.	54+08.02	PE		1.9
RT.	54+86.84	PE		7.8
LT.	58+30.24	FE		3.1
RT.	58+30.31	PE		1.9
RT.	67+63.04	FE		1.6
LT.	67+68.97	FE		2.1
RT.	72+25.71	PE		2.7
LT.	74+57.67	PE		1.7
RT.	74+61.71	FE		2.0
LT.	81+35.56	PE		1.9
LT.	81+91.49	PE		1.5
LT.	87+28.38	PE		2.2
RT.	89+47.82	PE		3.6
RT.	92+74.62	PE		2.5
LT.	94+43.89	FE		2.5
LT.	97+66.29	PE		1.5
LT.	98+41.34	PE		2.9
RT.	98+45.44	PE		3.5
LT.	111+17.84	PE		3.2
RT.	113+70.07	PE		2.6
RT.	114+37.03	PE		3.8
TOTALS			0	187

SIDE	STATION	MAILBOX TURNOUT AGGREGATE SURFACE COURSE, TYPE B	TON
			TON
RT.	52+03		2.8
RT.	54+09		5.0
RT.	58+10		2.8
RT.	73+60		5.0
RT.	81+84		5.0
RT.	87+33		5.0
RT.	89+94		2.8
RT.	92+38		2.8
RT.	98+23		2.8
LT.	111+00		2.8
TOTAL			36.8

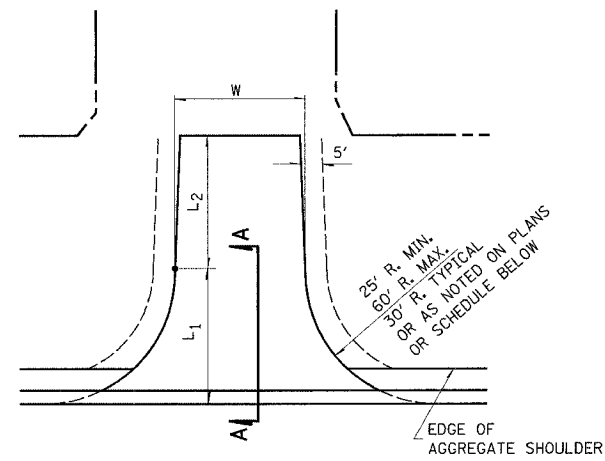
FE - FIELD ENTRANCE      PRA - PUBLIC ROAD APPROACH  
PE - PRIVATE ENTRANCE    MBT - MAILBOX TURNOUT  
CE - COMMERCIAL ENTRANCE

BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO INCIDENTAL BITUMINOUS SURFACING AS NOTED IN THE SPECIAL PROVISIONS.  
\* INCIDENTAL BITUMINOUS SURFACE MATERIALS SHALL BE SUPERPAVE MIXTURES.

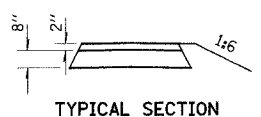
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	11
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

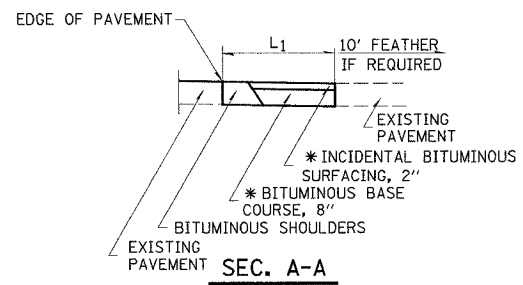
CONTRACT NO. 74080



PUBLIC ROAD



TYPICAL SECTION



PUBLIC ROAD SCHEDULE

SIDE	STATION	TYPE	WIDTH	LENGTH		RADIUS	BITUMINOUS BASE COURSE, SUPERPAVE	INCIDENTAL BITUMINOUS SURFACING, 2" *
				L <sub>1</sub>	L <sub>2</sub>			
RT.	19+11.39	PRA.	26	30	0	30	58.2	14.6
RT.	30+39.77	PRA.	18	7.5	28.5	30	49.5	12.4
RT.	80+08.50	PRA.	17	30	0	30	44.3	11.1
RT.	108+93.77	PRA.	26	30	0	30	58.4	14.6
TOTALS							210	53

NOTES

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

THE THICKNESS OF THE BITUMINOUS SHOULDERS THROUGH COMMERCIAL ENTRANCES (BITUMINOUS) AND PUBLIC ROADS SHALL BE 10". THE COST OF THE EXTRA THICKNESS SHALL BE INCLUDED WITH THE BITUMINOUS SHOULDERS PAY ITEM.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL BITUMINOUS SURFACING.

BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO INCIDENTAL BITUMINOUS SURFACING AS NOTED IN THE SPECIAL PROVISIONS.

\* INCIDENTAL BITUMINOUS SURFACING SHALL BE SUPERPAVE MIXTURES.

FE - FIELD ENTRANCE  
PE - PRIVATE ENTRANCE  
CE - COMMERCIAL ENTRANCE  
PRA - PUBLIC ROAD APPROACH  
MBT - MAILBOX TURNOUT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ENTRANCE DETAILS**  
**SHEET 2 OF 2**  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.

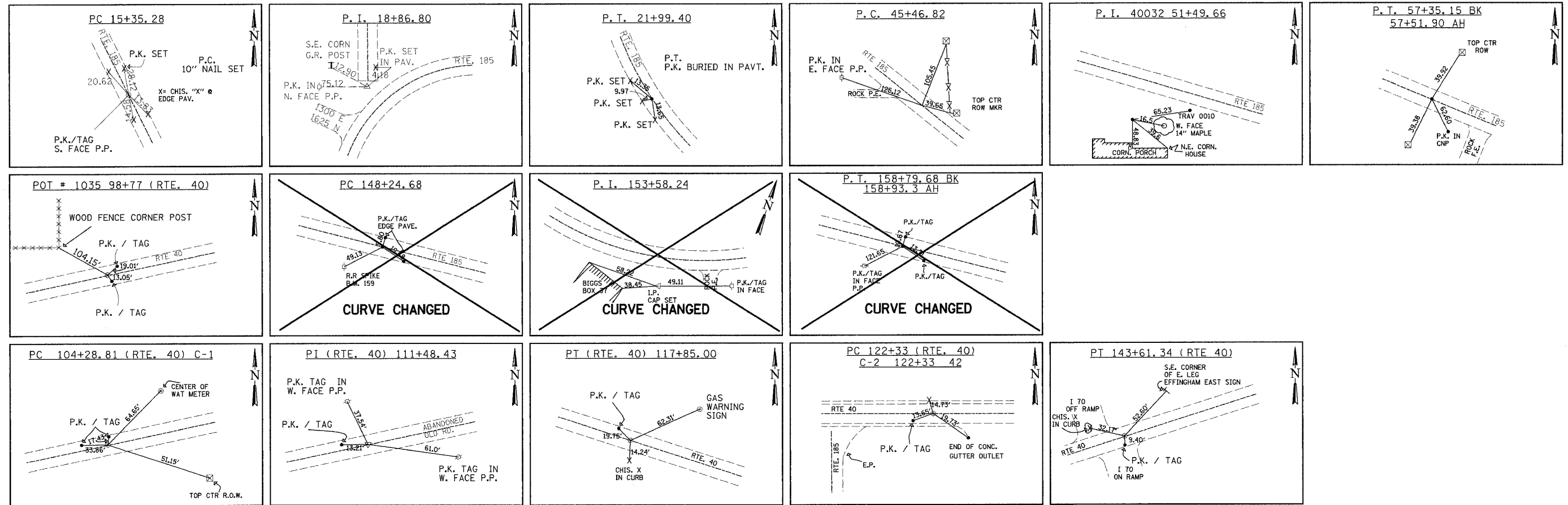
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DATE: September 23, 2005 CHECKED BY: RCY

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REVIEWED	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	12
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
<b>CONTRACT NO. 74080</b>				



PLAN	DATE
NO.	BY
NO.	BY
NO.	BY
NO.	BY
NO.	BY

PLAN	DATE
NO.	BY
NO.	BY
NO.	BY
NO.	BY
NO.	BY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
<b>HORIZONTAL CONTROL 3-POINT TIES</b>	
F.A.P. 750 (IL. RTE. 185) SECTION 112 - FAYETTE CO.	
SCALE:	DRAWN BY CRO
DATE September 23, 2005	CHECKED BY RCY

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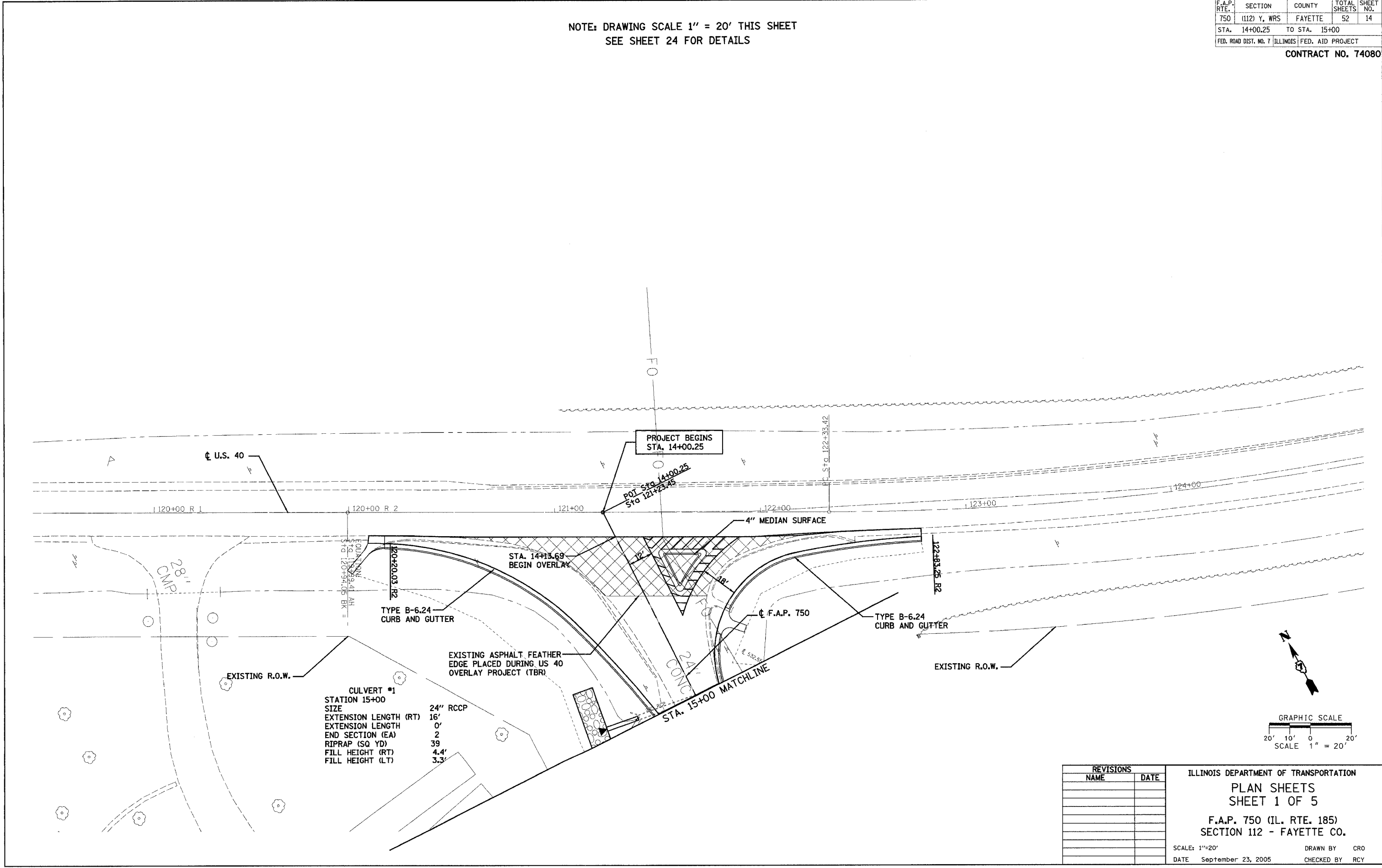
NOTE: DRAWING SCALE 1" = 20' THIS SHEET  
SEE SHEET 24 FOR DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	14
STA. 14+00.25	TO STA. 15+00			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

PLAN	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE

PLAN	DATE
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE



CULVERT #1  
STATION 15+00

SIZE	24" RCCP
EXTENSION LENGTH (RT)	16'
EXTENSION LENGTH	0'
END SECTION (EA)	2
RIPRAP (SQ YD)	39
FILL HEIGHT (RT)	4.4'
FILL HEIGHT (LT)	3.3'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN SHEETS**  
**SHEET 1 OF 5**  
**F.A.P. 750 (IL. RTE. 185)**  
**SECTION 112 - FAYETTE CO.**

SCALE: 1"=20'  
 DATE: September 23, 2005  
 DRAWN BY: CRO  
 CHECKED BY: RCY

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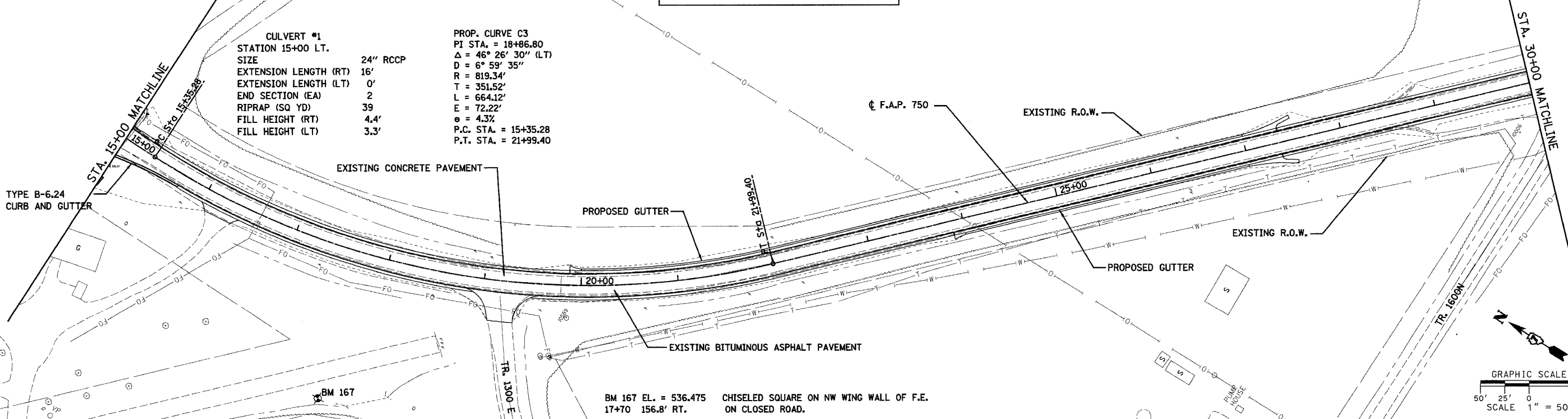
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	15
STA. 15+00		TO STA. 46+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

**WARNING**  
 HIGH-PRESSURE PIPELINE(S)  
 EXCAVATION AND/OR CONSTRUCTION  
 PROHIBITED WITHOUT WRITTEN PERMISSION FROM  
 MAGELLAN PIPELINE COMPANY, LC

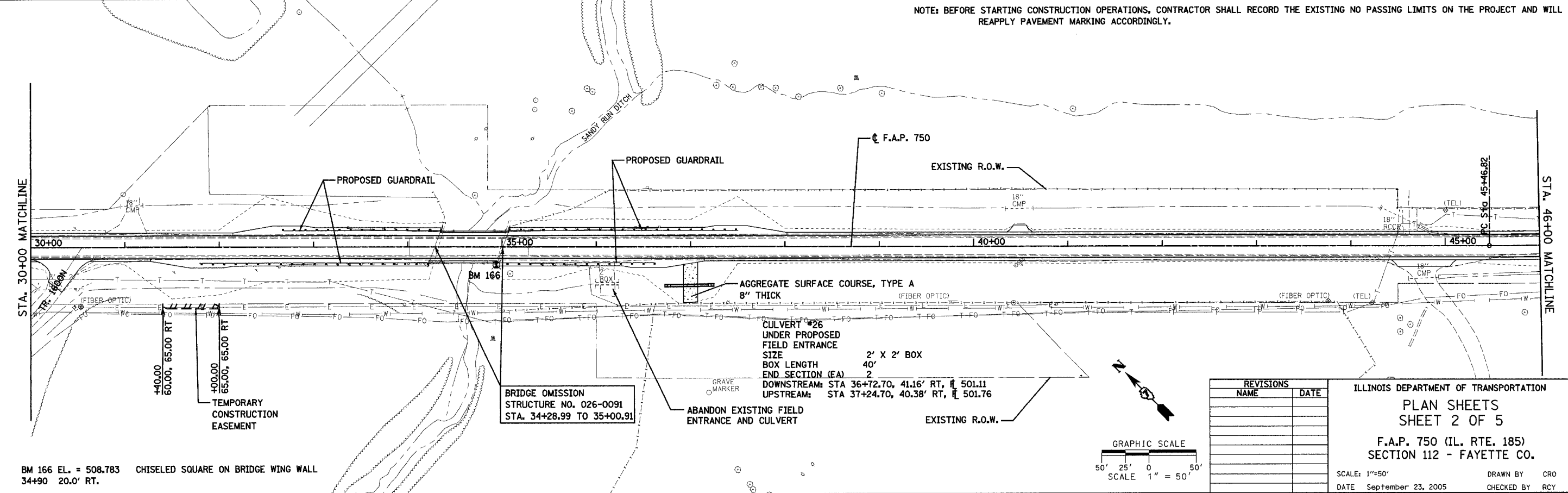
**CULVERT #1**  
 STATION 15+00 LT.  
 SIZE 24" RCCP  
 EXTENSION LENGTH (RT) 16'  
 EXTENSION LENGTH (LT) 0'  
 END SECTION (EA) 2  
 RIPRAP (SQ YD) 39  
 FILL HEIGHT (RT) 4.4'  
 FILL HEIGHT (LT) 3.3'

**PROP. CURVE C3**  
 PI STA. = 18+86.80  
 $\Delta = 46^\circ 26' 30''$  (LT)  
 $D = 6^\circ 59' 35''$   
 $R = 819.34'$   
 $T = 351.52'$   
 $L = 664.12'$   
 $E = 72.22'$   
 $e = 4.3\%$   
 P.C. STA. = 15+35.28  
 P.T. STA. = 21+99.40



BM 167 EL. = 536.475 CHISELED SQUARE ON NW WING WALL OF F.E.  
 17+70 156.8' RT. ON CLOSED ROAD.

NOTE: BEFORE STARTING CONSTRUCTION OPERATIONS, CONTRACTOR SHALL RECORD THE EXISTING NO PASSING LIMITS ON THE PROJECT AND WILL REAPPLY PAVEMENT MARKING ACCORDINGLY.



BRIDGE OMISSION  
 STRUCTURE NO. 026-0091  
 STA. 34+28.99 TO 35+00.91

**CULVERT #26**  
 UNDER PROPOSED  
 FIELD ENTRANCE  
 SIZE 2' X 2' BOX  
 BOX LENGTH 40'  
 END SECTION (EA) 2  
 DOWNSTREAM: STA 36+72.70, 41.16' RT,  $\bar{r}$  501.11  
 UPSTREAM: STA 37+24.70, 40.38' RT,  $\bar{r}$  501.76

BM 166 EL. = 508.783 CHISELED SQUARE ON BRIDGE WING WALL  
 34+90 20.0' RT.

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAN SHEETS  
 SHEET 2 OF 5  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.

SCALE: 1"=50'  
 DATE September 23, 2005  
 DRAWN BY CRO  
 CHECKED BY RCY

PLAN	SURVEYED	DATE

PLAN	SURVEYED	DATE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	16
STA. 46+00		TO STA. 78+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

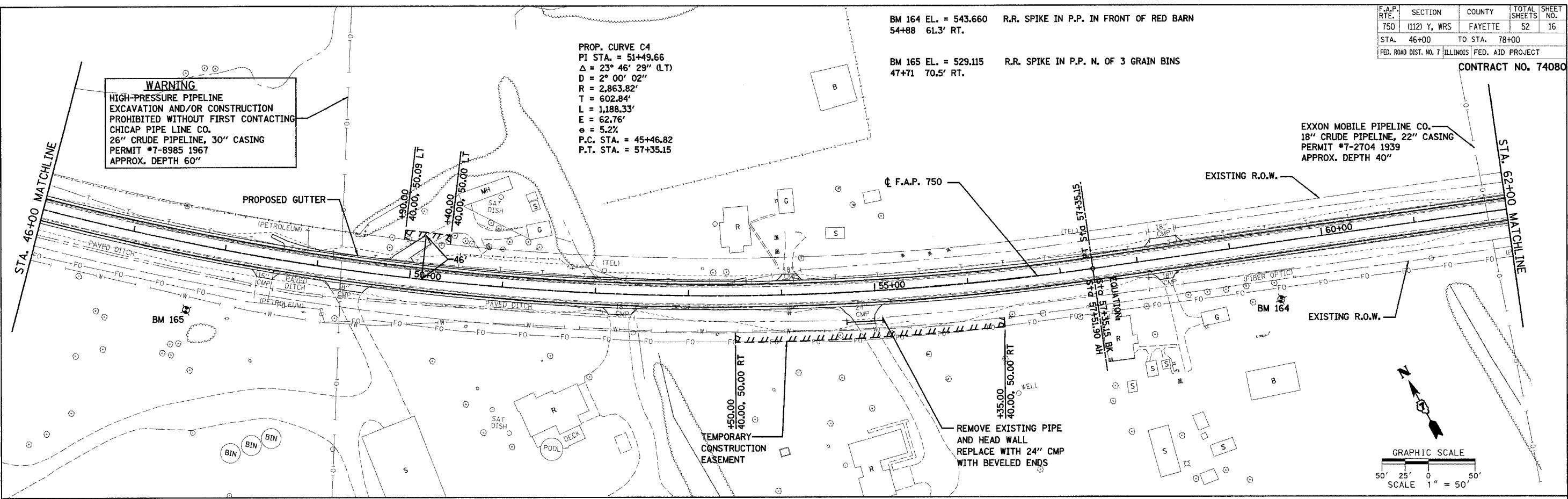
BM 164 EL. = 543.660 R.R. SPIKE IN P.P. IN FRONT OF RED BARN  
54+88 61.3' RT.

BM 165 EL. = 529.115 R.R. SPIKE IN P.P. N. OF 3 GRAIN BINS  
47+71 70.5' RT.

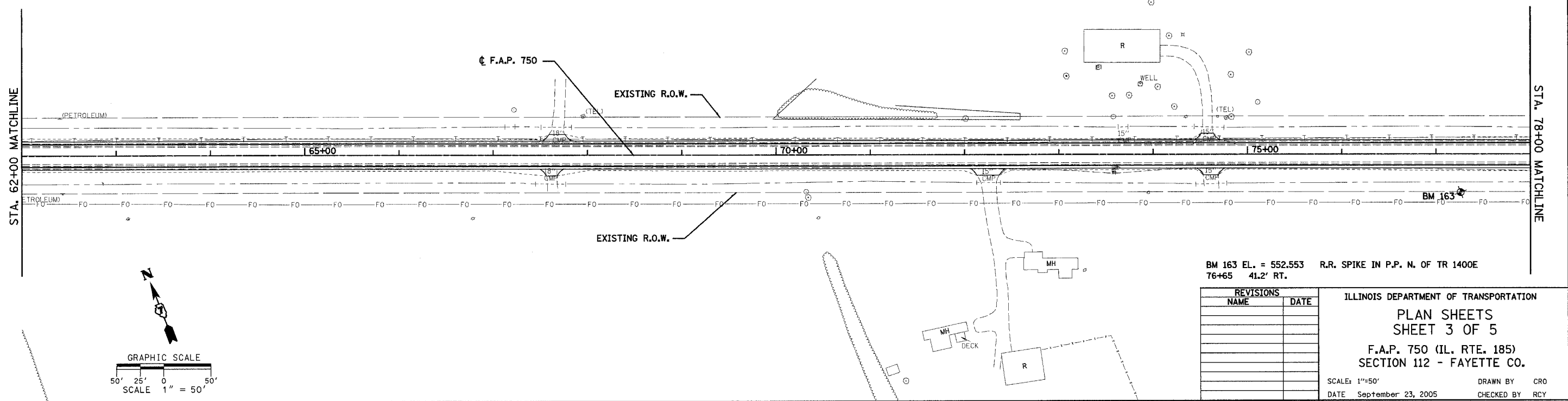
PROP. CURVE C4  
PI STA. = 51+49.66  
 $\Delta = 23^\circ 46' 29''$  (LT)  
D = 2° 00' 02"  
R = 2,863.82'  
T = 602.84'  
L = 1,188.33'  
E = 62.76'  
e = 5.2%  
P.C. STA. = 45+46.82  
P.T. STA. = 57+35.15

**WARNING**  
HIGH-PRESSURE PIPELINE  
EXCAVATION AND/OR CONSTRUCTION  
PROHIBITED WITHOUT FIRST CONTACTING  
CHICAP PIPE LINE CO.  
26" CRUDE PIPELINE, 30" CASING  
PERMIT #7-8985 1967  
APPROX. DEPTH 60"

EXXON MOBILE PIPELINE CO.  
18" CRUDE PIPELINE, 22" CASING  
PERMIT #7-2704 1939  
APPROX. DEPTH 40"



DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



BM 163 EL. = 552.553 R.R. SPIKE IN P.P. N. OF TR 1400E  
76+65 41.2' RT.

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAN SHEETS  
SHEET 3 OF 5  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.  
SCALE: 1"=50'  
DATE: September 23, 2005  
DRAWN BY: CRO  
CHECKED BY: RCY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

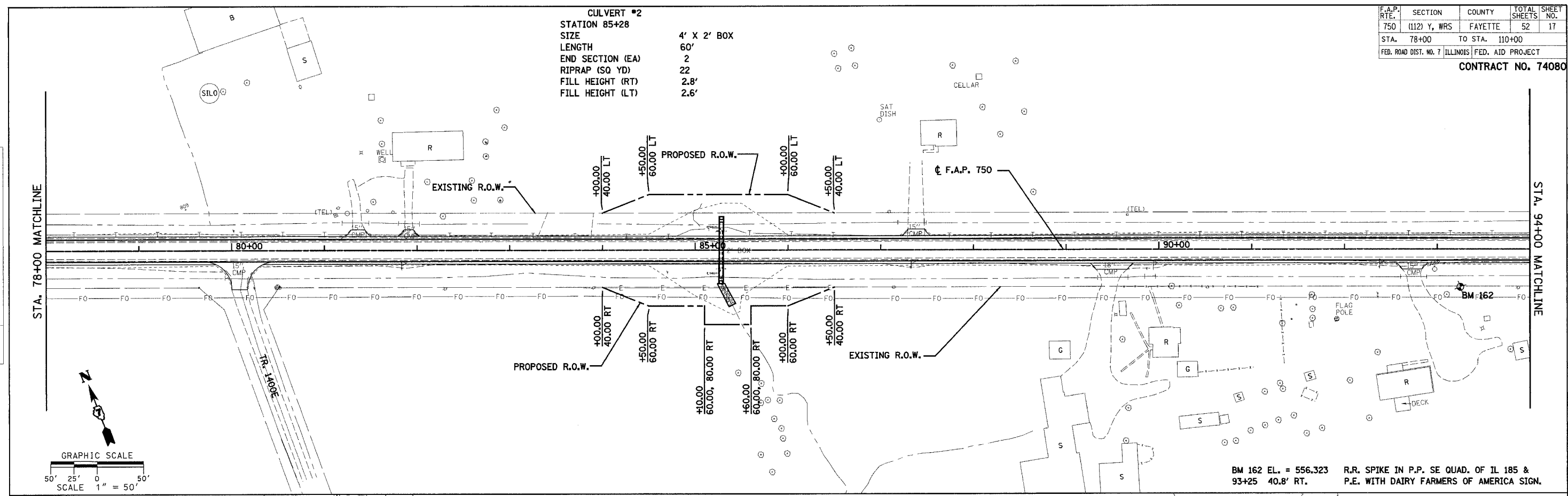
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	17
STA. 78+00		TO STA. 110+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

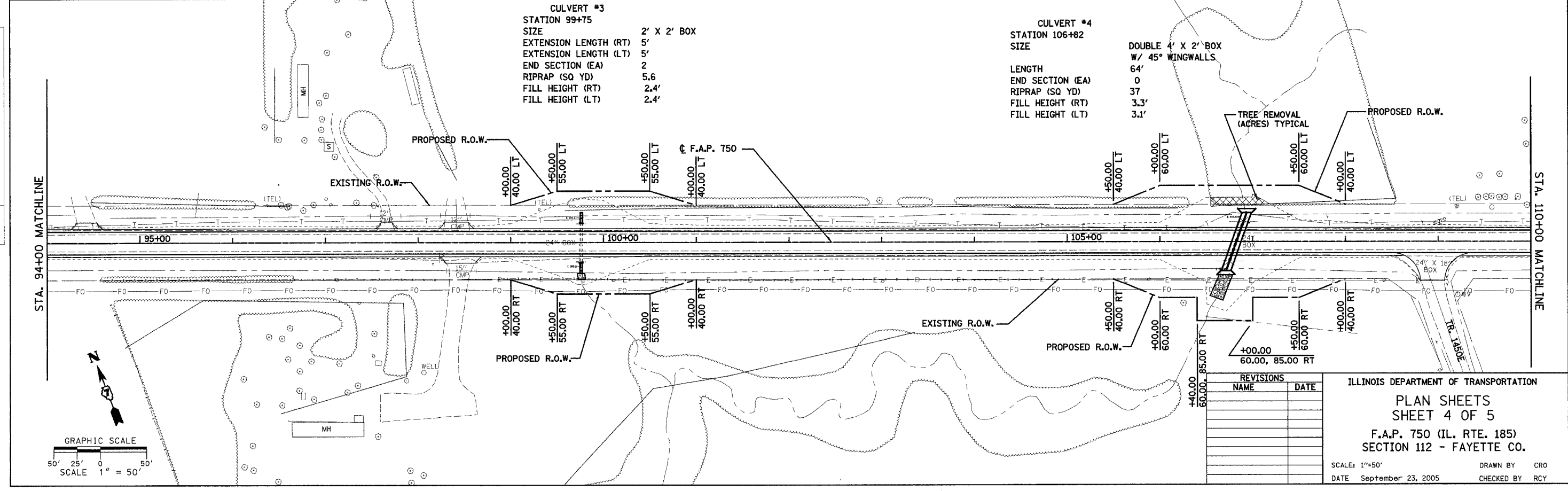
**CULVERT #2**  
 STATION 85+28  
 SIZE 4' X 2' BOX  
 LENGTH 60'  
 END SECTION (EA) 2  
 RIPRAP (SQ YD) 22  
 FILL HEIGHT (RT) 2.8'  
 FILL HEIGHT (LT) 2.6'



BM 162 EL. = 556.323 R.R. SPIKE IN P.P. SE QUAD. OF IL 185 & 93+25 40.8' RT. P.E. WITH DAIRY FARMERS OF AMERICA SIGN.

**CULVERT #3**  
 STATION 99+75  
 SIZE 2' X 2' BOX  
 EXTENSION LENGTH (RT) 5'  
 EXTENSION LENGTH (LT) 5'  
 END SECTION (EA) 2  
 RIPRAP (SQ YD) 5.6  
 FILL HEIGHT (RT) 2.4'  
 FILL HEIGHT (LT) 2.4'

**CULVERT #4**  
 STATION 106+82  
 SIZE DOUBLE 4' X 2' BOX W/ 45° WINGWALLS  
 LENGTH 64'  
 END SECTION (EA) 0  
 RIPRAP (SQ YD) 37  
 FILL HEIGHT (RT) 3.3'  
 FILL HEIGHT (LT) 3.1'



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAN SHEETS  
 SHEET 4 OF 5  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.

SCALE: 1"=50'  
 DATE September 23, 2005  
 DRAWN BY CRO  
 CHECKED BY RCY

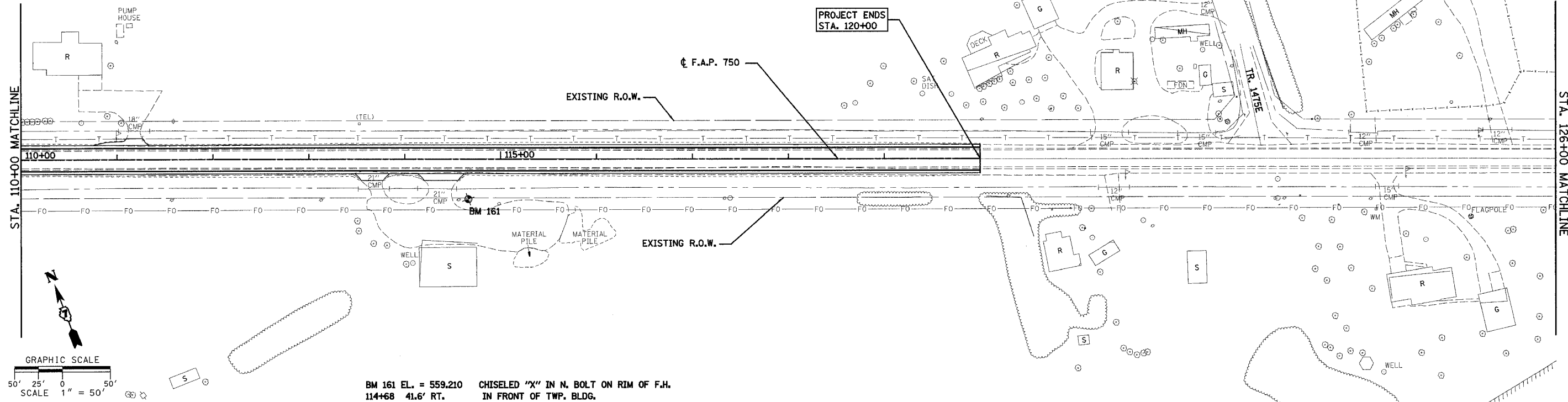
DATE	
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BY	
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BY	
PLAN	
NO.	

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	18
STA. 110+00		TO STA. 120+00		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74080



BM 161 EL. = 559.210 CHISELED "X" IN N. BOLT ON RIM OF F.H.  
 114+68 41.6' RT. IN FRONT OF TWP. BLDG.

PLAN	SURVEYED	DATE
NO.	BY	

PLAN	SURVEYED	DATE
NO.	BY	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAN SHEETS  
 SHEET 5 OF 5  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
 SCALE: 1"=50'  
 DATE: September 23, 2005  
 DRAWN BY: CRO  
 CHECKED BY: RCY

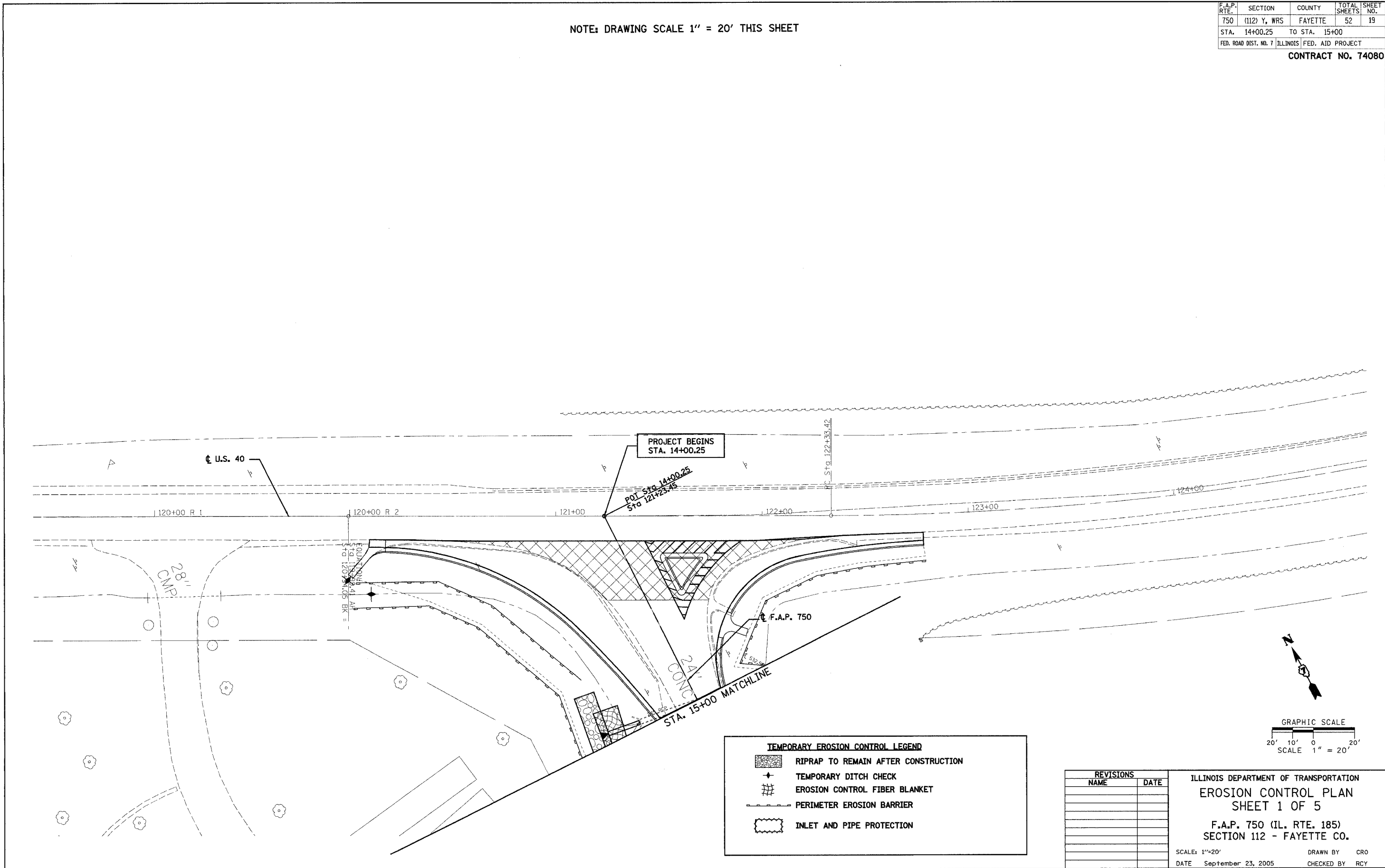
NOTE: DRAWING SCALE 1" = 20' THIS SHEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	19
STA. 14+00.25		TO STA. 15+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

PLAN	REVISIONS	DATE
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____

PLAN	REVISIONS	DATE
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____



TEMPORARY EROSION CONTROL LEGEND	
	RIPRAP TO REMAIN AFTER CONSTRUCTION
	TEMPORARY DITCH CHECK
	EROSION CONTROL FIBER BLANKET
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**EROSION CONTROL PLAN**  
**SHEET 1 OF 5**  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
 SCALE: 1"=20'  
 DATE: September 23, 2005  
 DRAWN BY: CRO  
 CHECKED BY: RCY

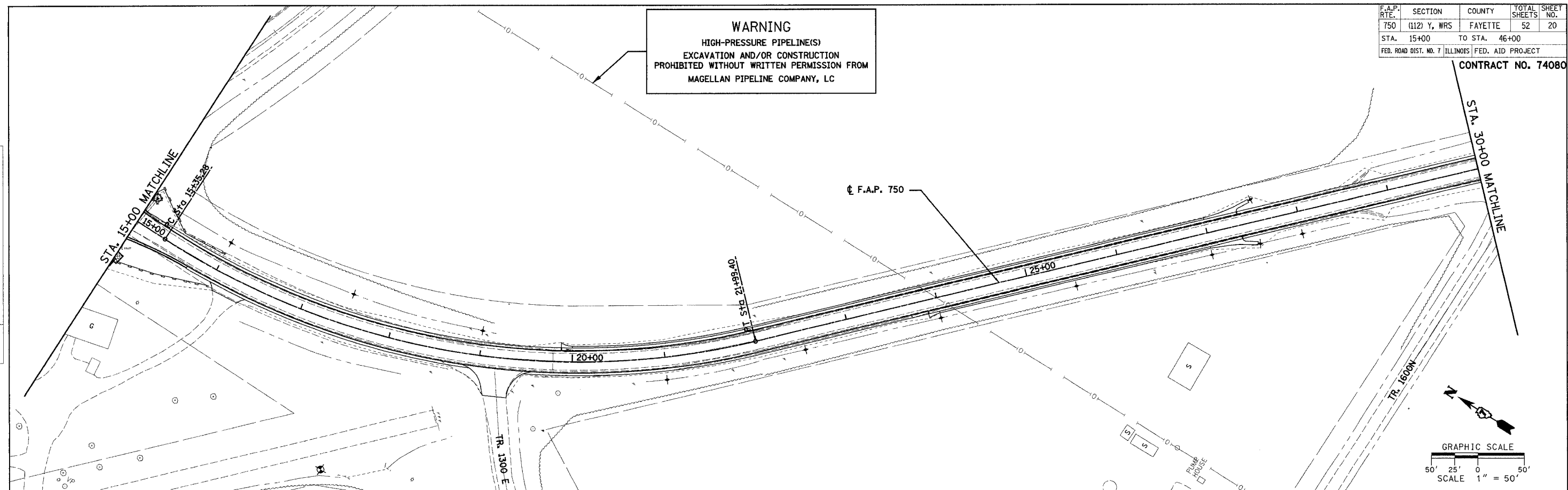
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	20
STA. 15+00		TO STA. 46+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

**WARNING**  
HIGH-PRESSURE PIPELINE(S)  
EXCAVATION AND/OR CONSTRUCTION  
PROHIBITED WITHOUT WRITTEN PERMISSION FROM  
MAGELLAN PIPELINE COMPANY, LC

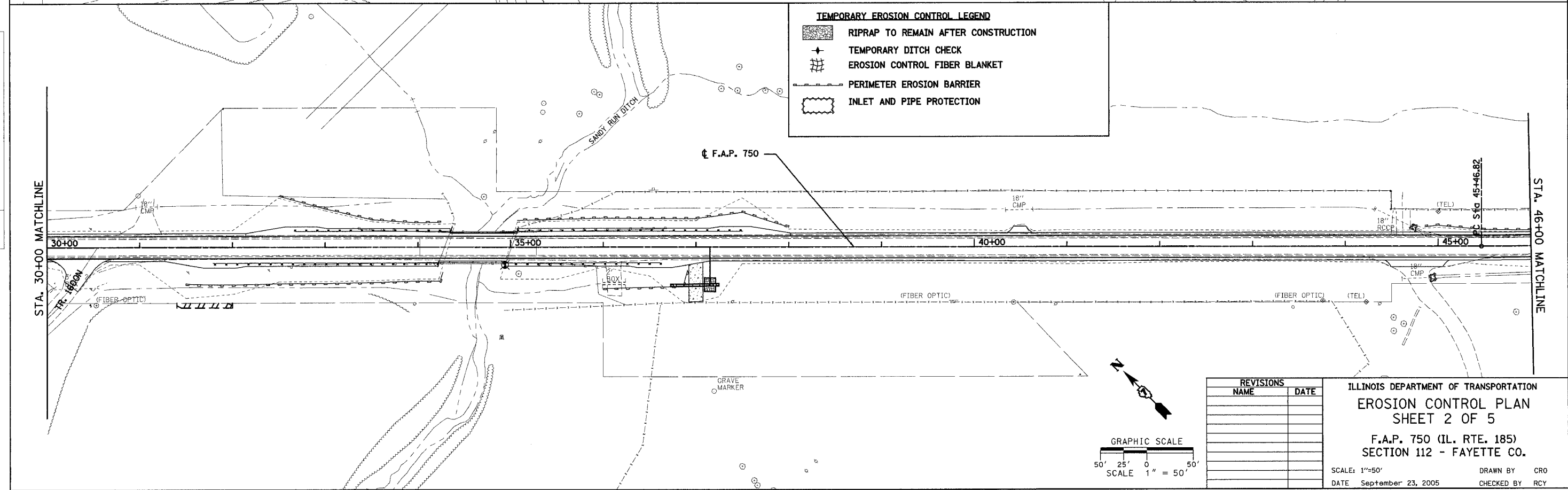
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	PLOTTED	
	PL. OF WAY CHECKED	
	NO. OF WAY CHECKED	
	CADD FILE NAME	



PLAN	SURVEYED	DATE
	PLOTTED	
	PL. OF WAY CHECKED	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

**TEMPORARY EROSION CONTROL LEGEND**

- RIPRAP TO REMAIN AFTER CONSTRUCTION
- TEMPORARY DITCH CHECK
- EROSION CONTROL FIBER BLANKET
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**EROSION CONTROL PLAN**  
SHEET 2 OF 5  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.  
SCALE: 1"=50'  
DATE: September 23, 2005  
DRAWN BY: CRO  
CHECKED BY: RCY

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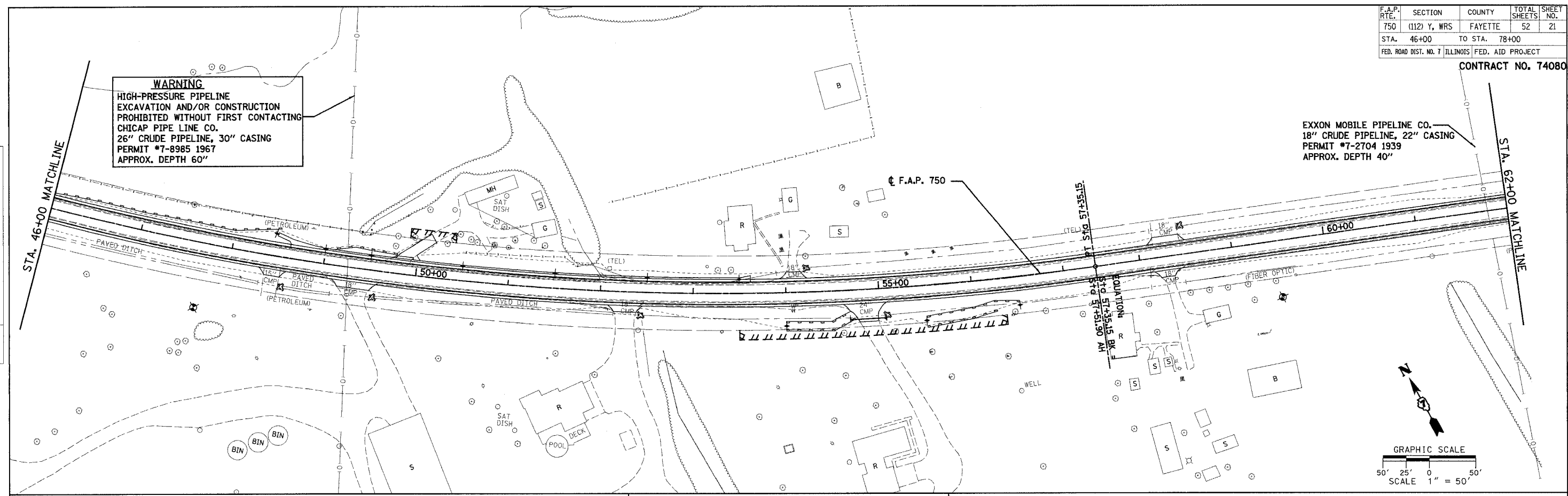
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	21
STA. 46+00	TO STA. 78+00			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

**WARNING**  
 HIGH-PRESSURE PIPELINE  
 EXCAVATION AND/OR CONSTRUCTION  
 PROHIBITED WITHOUT FIRST CONTACTING  
 CHICAP PIPE LINE CO.  
 26" CRUDE PIPELINE, 30" CASING  
 PERMIT #7-8985 1967  
 APPROX. DEPTH 60"

EXXON MOBILE PIPELINE CO.  
 18" CRUDE PIPELINE, 22" CASING  
 PERMIT #7-2704 1939  
 APPROX. DEPTH 40"

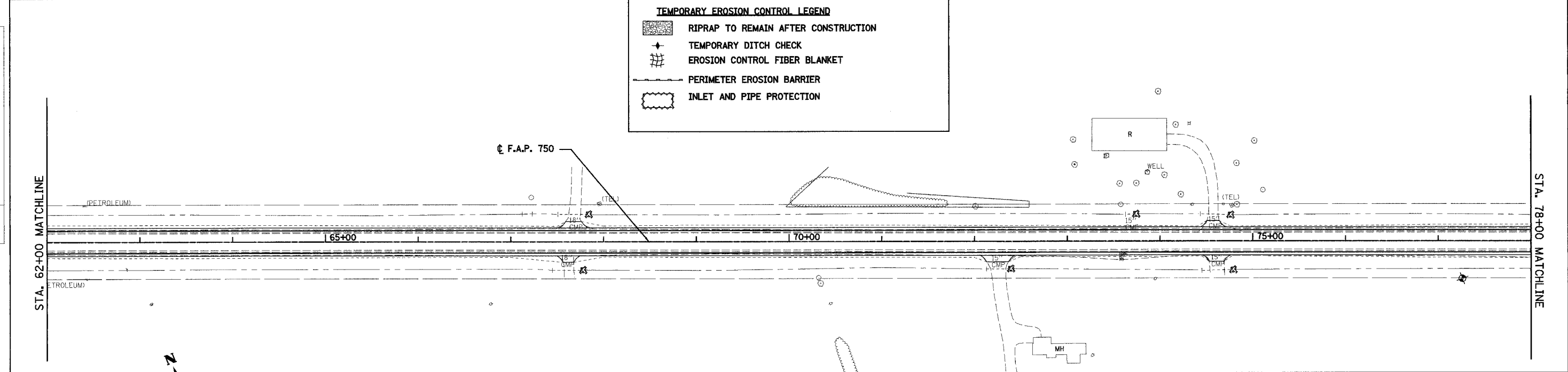
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**TEMPORARY EROSION CONTROL LEGEND**

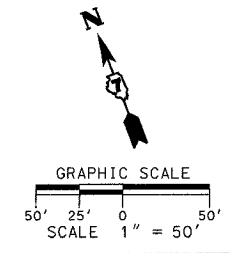
	RIPRAP TO REMAIN AFTER CONSTRUCTION
	TEMPORARY DITCH CHECK
	EROSION CONTROL FIBER BLANKET
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 EROSION CONTROL PLAN  
 SHEET 3 OF 5  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
 SCALE: 1"=50'  
 DATE: September 23, 2005  
 DRAWN BY: CRO  
 CHECKED BY: RCY

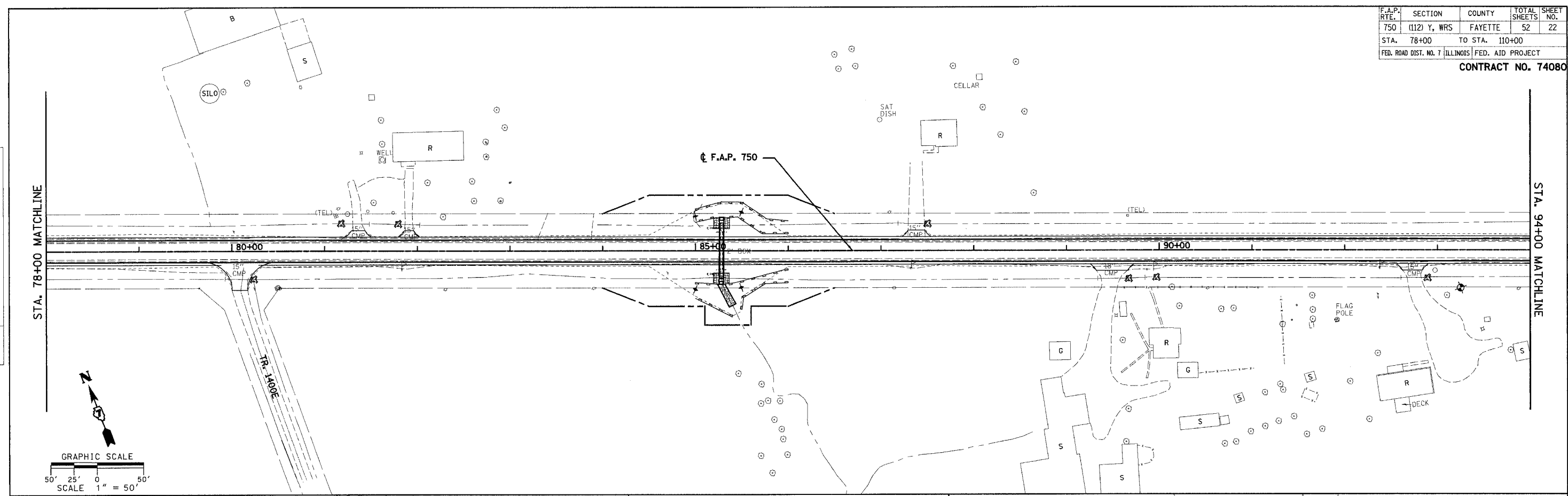


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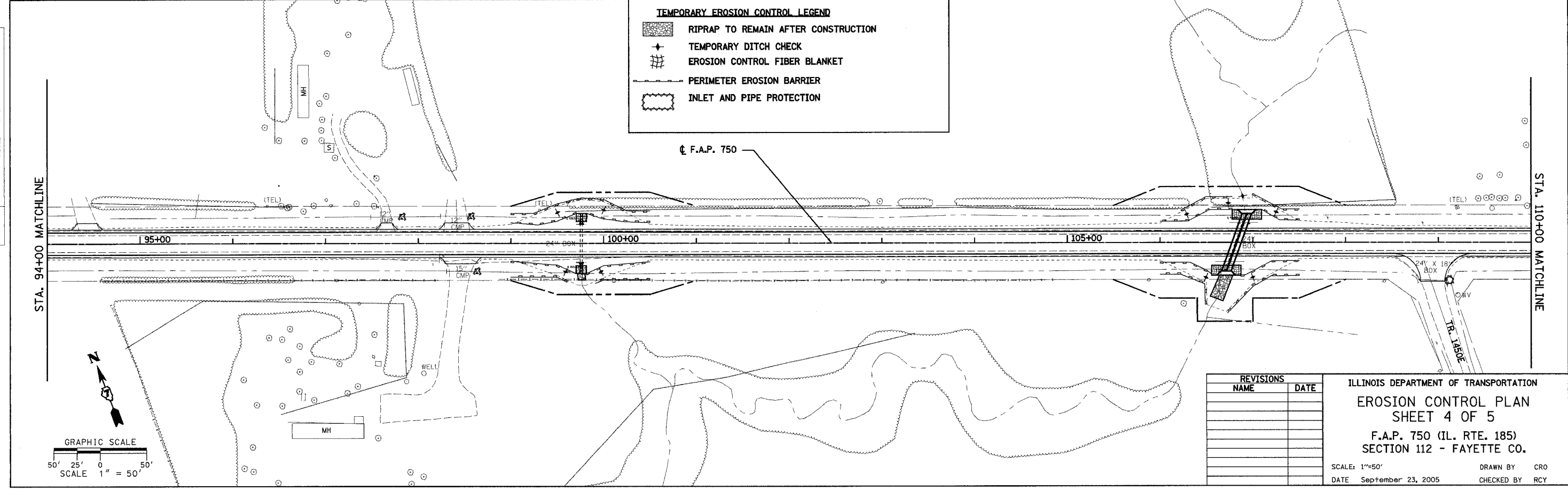
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	22
STA. 78+00	TO STA. 110+00			
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		

CONTRACT NO. 74080

PLAN	DATE
SURVEYED	BY
PLOTTED	BY
NOTE BOOK NO.	NO.
FILE NAME	



PLAN	DATE
SURVEYED	BY
PLOTTED	BY
NOTE BOOK NO.	NO.
FILE NAME	



**TEMPORARY EROSION CONTROL LEGEND**

- RIPRAP TO REMAIN AFTER CONSTRUCTION
- TEMPORARY DITCH CHECK
- EROSION CONTROL FIBER BLANKET
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

REVISIONS	NAME	DATE

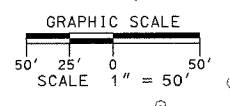
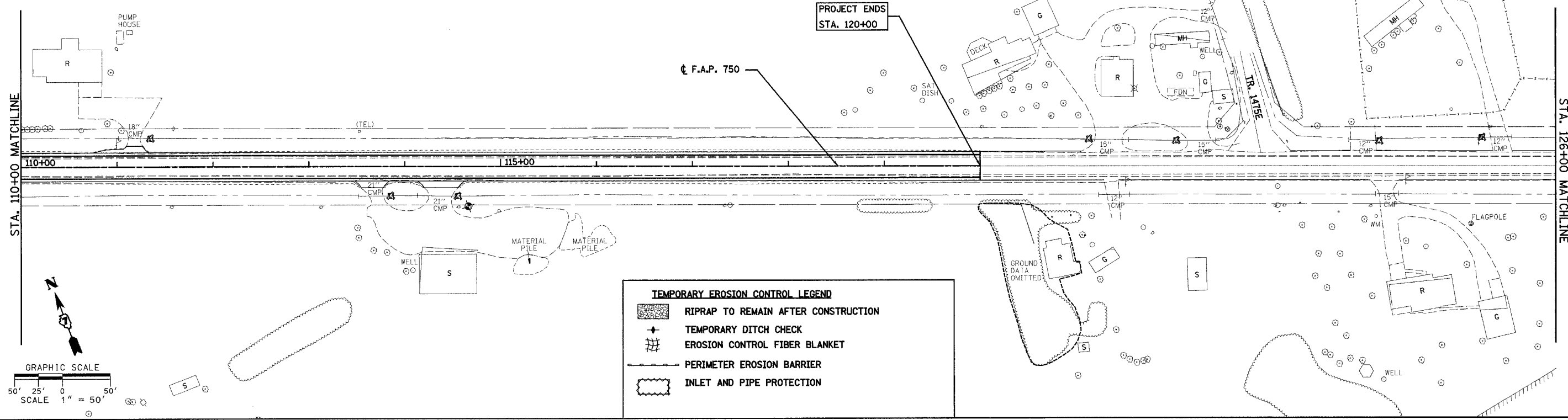
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**EROSION CONTROL PLAN**  
**SHEET 4 OF 5**  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
 SCALE: 1"=50'  
 DATE: September 23, 2005  
 DRAWN BY: CRO  
 CHECKED BY: RCY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	23
STA. 110+00		TO STA. 120+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74080

PLAN	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
BY	
DATE	



TEMPORARY EROSION CONTROL LEGEND	
	RIPRAP TO REMAIN AFTER CONSTRUCTION
	TEMPORARY DITCH CHECK
	EROSION CONTROL FIBER BLANKET
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION

PLAN	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
BY	
DATE	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**EROSION CONTROL PLAN**  
**SHEET 5 OF 5**  
**F.A.P. 750 (IL. RTE. 185)**  
**SECTION 112 - FAYETTE CO.**

SCALE: 1"=50'  
DATE September 23, 2005

DRAWN BY CRO  
CHECKED BY RCY

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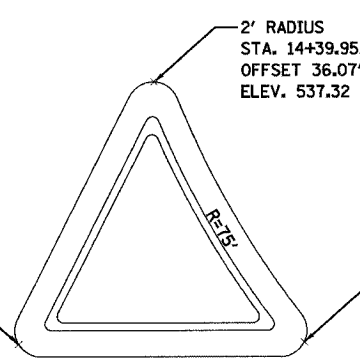
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	24
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74080

PLAN	DATE
BY	
APPROVED	
PLotted	
NOTE BOOK	
NO.	

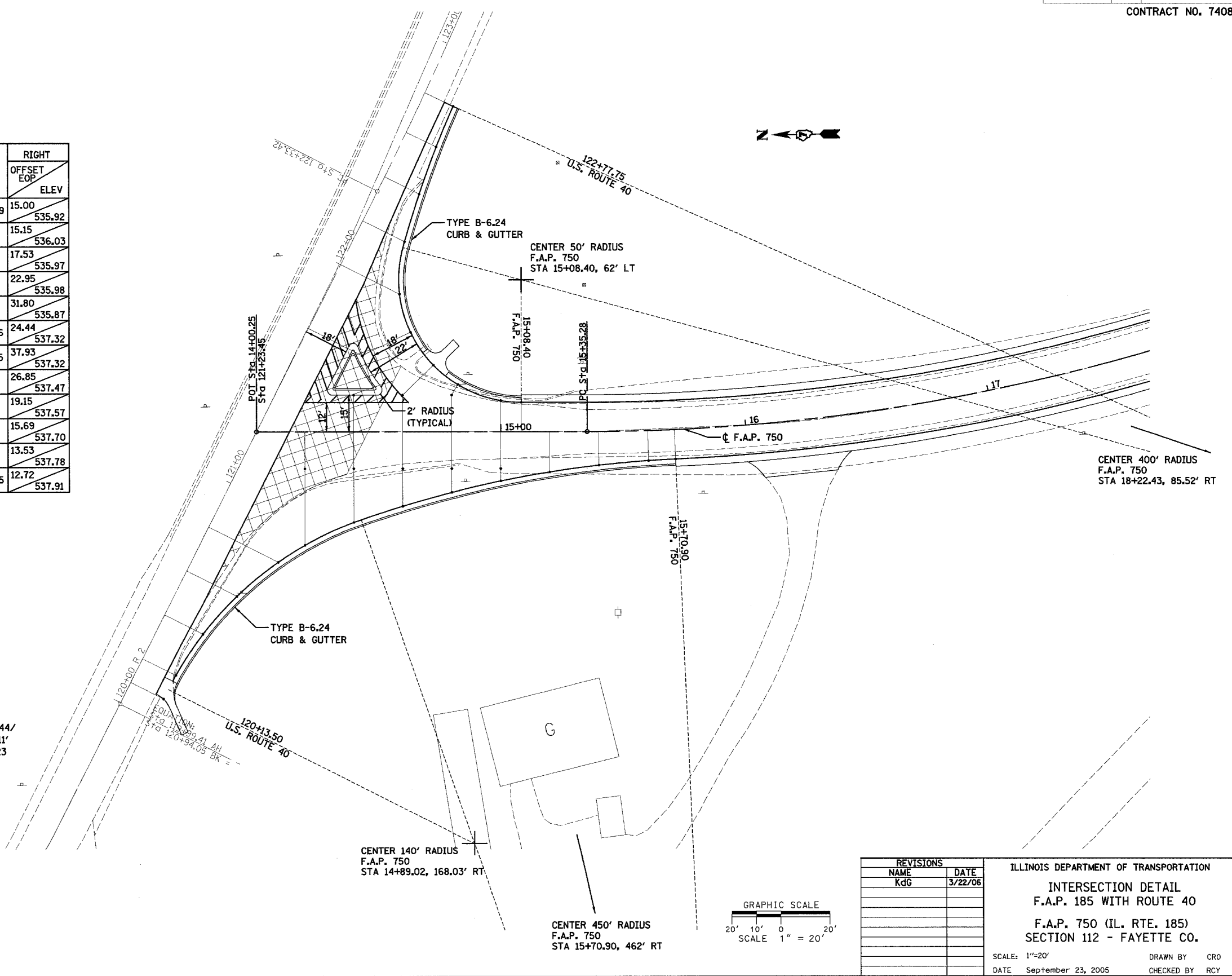
F.A.P. 750	LEFT	RIGHT	RIGHT
	OFFSET EOP	OFFSET EOP	OFFSET EOP
	ELEV	ELEV	ELEV
14+20		15.00	46.23
		537.02	536.13
14+40	15.00	15.00	36.89
	537.17	537.17	536.77
14+60	15.00	15.00	30.27
	537.32	537.46	537.33
14.72.53	27.17		
	537.23		
14+80	15.00	15.00	24.68
	537.47	537.74	537.76
14+82.54	19.20		
	537.42		
15+00	12.71	15.00	20.08
	537.66	538.04	538.10
15+08.40	12.00		
	537.71		
15+20			16.42
			538.36
15+40			13.69
			538.66
15+60			12.21
			538.93
15+70.90			12.00
			539.07

U.S. ROUTE 40	RIGHT
	OFFSET EOP
	ELEV
120+09.69	15.00
	535.92
120+20	15.15
	536.03
120+40	17.53
	535.97
120+60	22.95
	535.98
120+80	31.80
	535.87
121+00.66	24.44
	537.32
121+88.05	37.93
	537.32
122+00	26.85
	537.47
122+20	19.15
	537.57
122+40	15.69
	537.70
122+60	13.53
	537.78
122+77.75	12.72
	537.91



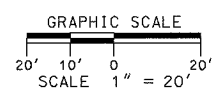
MEDIAN DETAIL

PLAN	DATE
BY	
APPROVED	
PLotted	
NOTE BOOK	
NO.	



REVISIONS	
NAME	DATE
KDG	3/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERSECTION DETAIL**  
**F.A.P. 185 WITH ROUTE 40**  
**F.A.P. 750 (IL. RTE. 185)**  
**SECTION 112 - FAYETTE CO.**  
 SCALE: 1"=20'  
 DATE September 23, 2005  
 DRAWN BY CRD  
 CHECKED BY RCY



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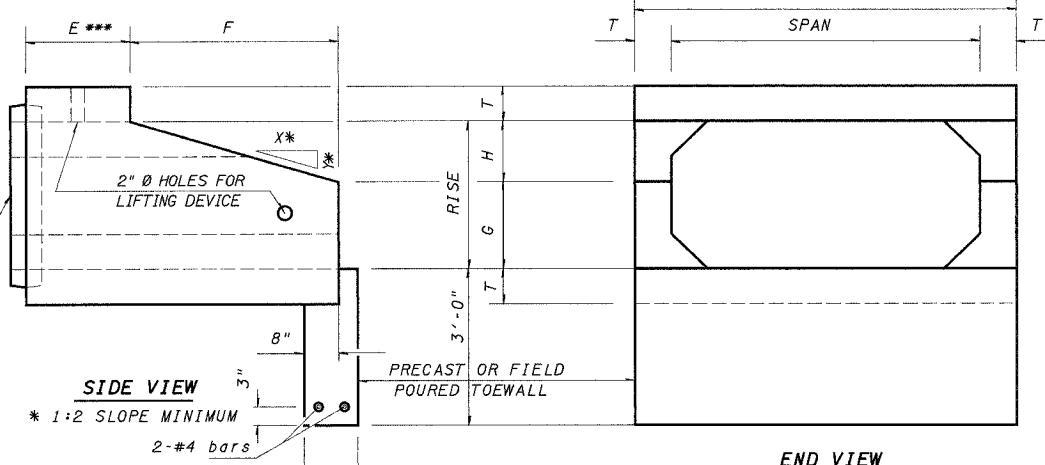
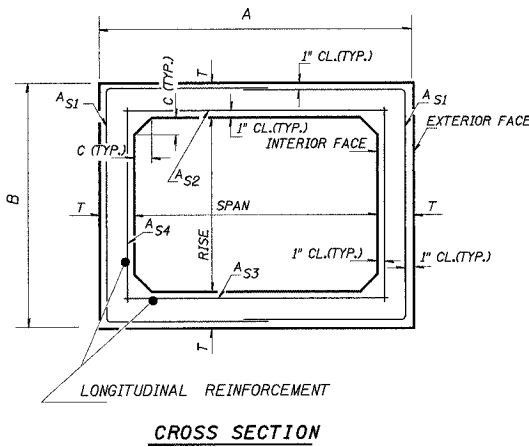
# DETAIL OF PRECAST CONCRETE BOX CULVERT END SECTION

AASHTO DESIGNATION M259M  
(ASTM DESIGNATION C-789M)  
DESIGN LOADING = MS18

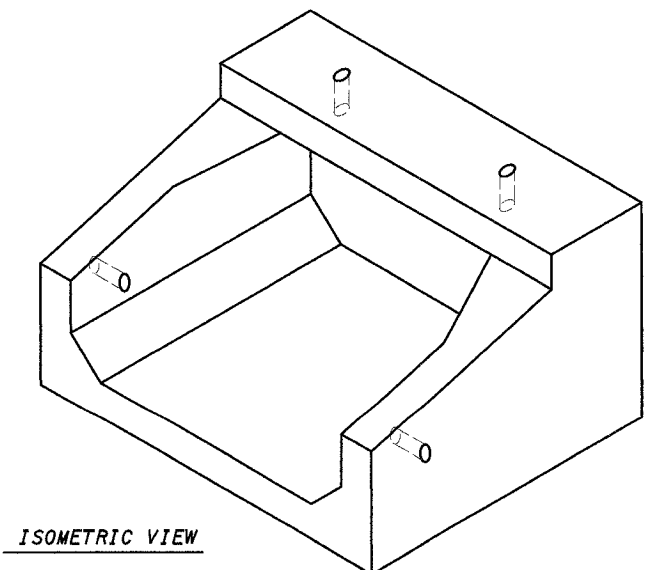
**\*\*** NOTE: THE DIMENSIONS INDICATED ARE FOR END SECTIONS THAT ARE TO BE USED WITH PRECAST BOX CULVERT SECTIONS DESIGNED FOR 2" OR MORE OF FILL. THE DIMENSIONS MUST BE MODIFIED FOR THE END SECTION TO BE COMPATIBLE WITH PRECAST CULVERT SECTIONS DESIGNED FOR LESS THAN 2" OF FILL.

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	Y:X
2x2	4	2-8	2-8	4	3-0	3-0	1-0	1-0	1-3	
3x2	4	3-8	2-8	4	3-0	3-0	1-0	1-0	1-3	
3x3	4	3-8	3-8	4	2-0	4-0	1-8	1-4	1-3	
4x2	5	4-10	2-10	5	3-0	3-0	1-0	1-0	1-3	
4x3	5	4-10	3-10	5	2-0	4-0	1-8	1-4	1-3	
4x4	5	4-10	4-10	5	2-0	4-0	2-0	2-0	1-2	
4x6	7	5-2	7-2	7	2-0	6-0	3-0	3-0	1-2	
5x2	5	5-10	2-10	6	3-0	3-0	1-0	1-0	1-3	
5x3	6	6-0	4-0	6	2-0	4-0	1-8	1-4	1-3	
5x4	6	6-0	5-0	6	2-0	4-0	2-0	2-0	1-2	
5x5	6	6-0	6-0	6	2-0	4-0	3-0	2-0	1-2	
6x2	7	7-2	3-2	7	3-0	3-0	1-0	1-0	1-3	
6x3	7	7-2	4-2	7	2-0	4-0	1-8	1-4	1-3	
6x4	7	7-2	5-2	7	2-0	4-0	2-0	2-0	1-2	
6x5	7	7-2	6-2	7						
6x6	7	7-2	7-2	7	2-0	6-0	3-0	3-0	1-2	
7x4	8	8-4	5-4	8	2-0	4-0	2-0	2-0	1-2	
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	2-0	4-0	2-0	2-0	1-2	
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						

CULVERTS WITH RISE > 6' REQUIRE CAST-IN-PLACE END SECTIONS



**\*\*\*** NOTE: PROVIDE PRECAST 6" HIGH X 6" THICK FULL-WIDTH HEADWALL CENTERED AT 6" FROM THE FRONT FACE OF THE TOP SLAB. OR AT THE CONTRACTORS OPTION, PROVIDE #4 VERTICAL BARS LOCATED 6" FROM THE FRONT FACE OF THE TOP SLAB FOR CAST IN PLACE HEADWALL AFTER SETTING EACH END SECTION IN PLACE. BARS SHALL EXTEND 5" ABOVE SLAB AND SPACED ON 6" CENTERS BEGINNING AND ENDING 4" FROM THE EXTERIOR VERTICAL SIDE OF THE END SECTION. THE COST FOR PROVIDING HEADWALLS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH BOX CULVERT END 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 WITH ACCORDANCE WITH ARTICLE 542.04(d) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS  $A_{S1}$ ,  $A_{S2}$ ,  $A_{S3}$ , AND  $A_{S4}$  DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M259M. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO SPECIFICATIONS M55M.

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DETAILS OF PRECAST  
CONCRETE BOX CULVERT  
END SECTION  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.

SCALE: \_\_\_\_\_ DRAWN BY: CRO  
DATE: September 23, 2005 CHECKED BY: RCY

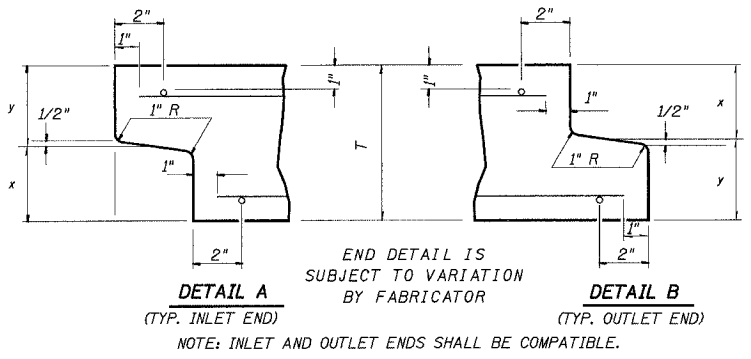
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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 SUBMITTED: \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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 SUBMITTED: \_\_\_\_\_  
 NO. \_\_\_\_\_

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# DETAIL OF PRECAST CONCRETE BOX CULVERT M259M

AASHTO DESIGNATION M259M  
(ASTM DESIGNATION C-789M)  
DESIGN LOADING = MS18



CULVERT SIZE	DIMENSIONS			
	T (INCHES)	A FT-IN	B FT-IN	C (INCHES)
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

**GENERAL NOTES**

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

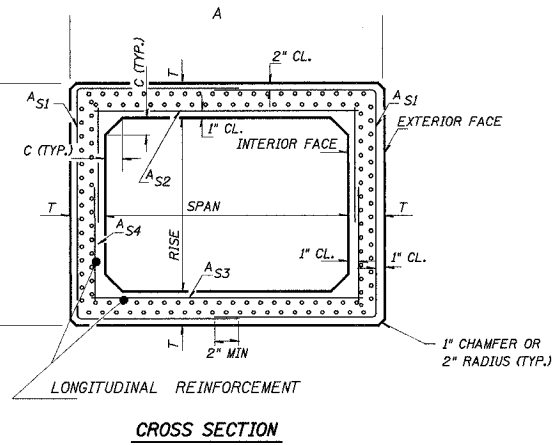
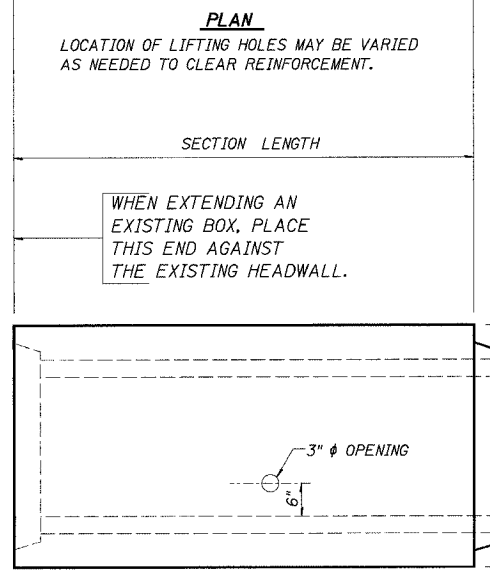
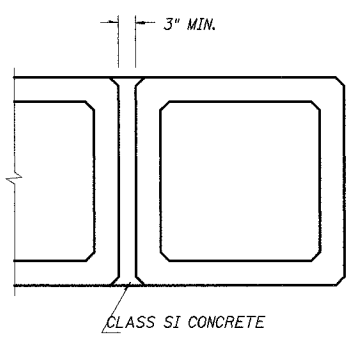
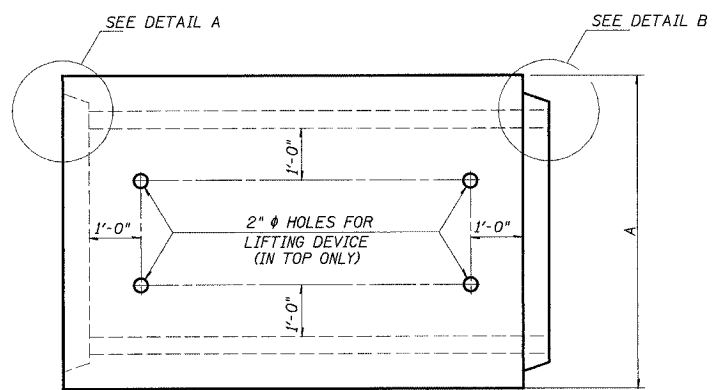
MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

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  $A_{S3}$  DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASSHTO M259M. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO ASSHTO M55M.

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.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETAIL OF PRECAST  
CONCRETE BOX  
CULVERT SECTION**  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.

SCALE: \_\_\_\_\_ DRAWN BY: CRO  
DATE: September 23, 2005 CHECKED BY: RCY

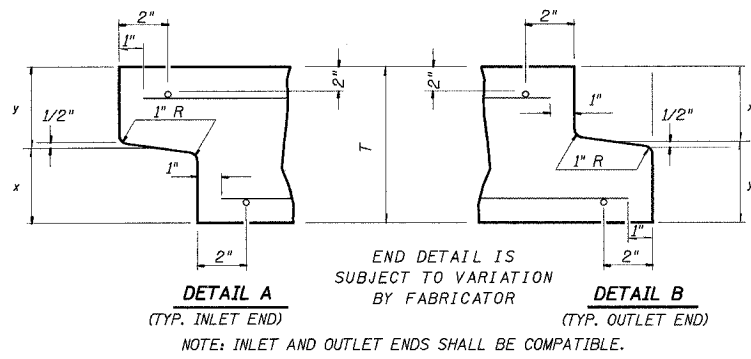
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NO. OF THIS SHEET: \_\_\_\_\_  
CADD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
PLAN: \_\_\_\_\_  
NOTE BOOK NO.: \_\_\_\_\_  
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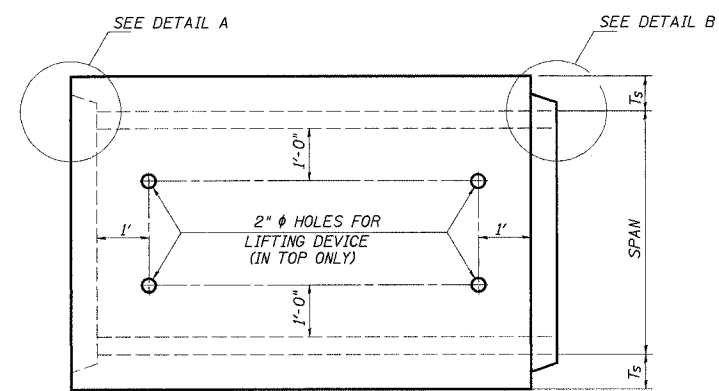
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# DETAIL OF PRECAST CONCRETE BOX CULVERT M273M

(WITH LESS THAN 2' OF COVER)  
AASHTO DESIGNATION M273M  
(ASTM DESIGNATION C-850M)  
DESIGN LOADING = MS18

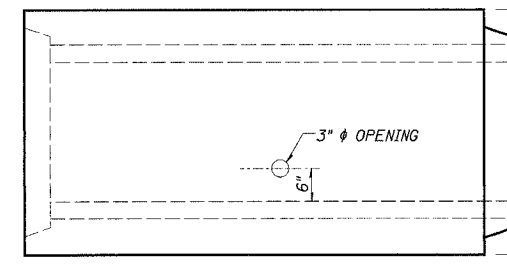


CULVERT SIZE (FEET)		DIMENSIONS (INCHES)		
SPAN	RISE	T <sub>T</sub>	T <sub>B</sub>	T <sub>S</sub>
3	2	7	6	4
3	3	7	6	4
4	2	7 1/2	6	5
4	3	7 1/2	6	5
4	4	7 1/2	6	5
5	3	8	7	6
5	4	8	7	6
5	5	8	7	6
6	3	8	7	7
6	4	8	7	7
6	5	8	7	7
6	6	8	7	7
7	4	8	8	8
7	5	8	8	8
7	6	8	8	8
7	7	8	8	8
8	4	8	8	8
8	5	8	8	8
8	6	8	8	8
8	7	8	8	8
8	8	8	8	8
9	5	9	9	9
9	6	9	9	9
9	7	9	9	9
9	8	9	9	9
9	9	9	9	9
10	5	10	10	10
10	6	10	10	10
10	7	10	10	10
10	8	10	10	10
10	9	10	10	10
10	10	10	10	10
11	4	11	11	11
11	6	11	11	11
11	8	11	11	11
11	10	11	11	11
11	11	11	11	11
12	4	12	12	12
12	6	12	12	12
12	8	12	12	12
12	10	12	12	12
12	12	12	12	12

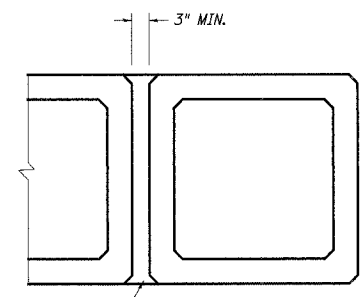


**PLAN**  
LOCATION OF LIFTING HOLES MAY BE VARIED AS NEEDED TO CLEAR REINFORCEMENT.

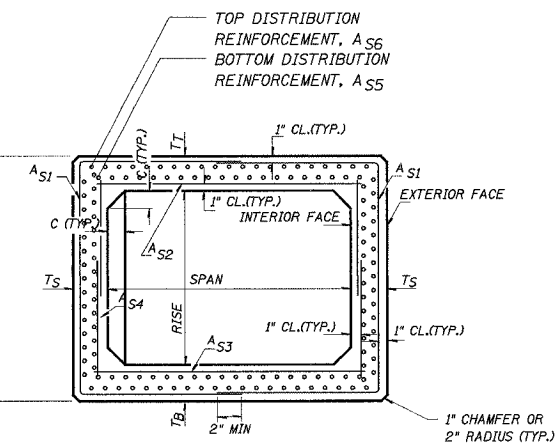
WHEN EXTENDING AN EXISTING BOX, PLACE THIS END AGAINST THE EXISTING HEADWALL.



**ELEVATION**



**MULTIPLE UNIT PLACEMENT**



**CROSS SECTION**

**GENERAL NOTES**

- SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04(g) 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(g) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE TERMS A<sub>st</sub>, A<sub>sb</sub> ETC. DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASSHTO M273M.
- REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO ASSHTO M55M. LONGITUDINAL DISTRIBUTION REINFORCEMENT MAY CONSIST OF WELDED WIRE FABRIC OR DEFORMED BARS CONFORMING TO ASSHTO M31M, M42M, OR M53M, GRADE 400.
- 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.
- THE P.C.C. PAVEMENT PATCH REINFORCED WITH PAVEMENT FABRIC (STANDARD 42070) WILL BE CONSTRUCTED OVER THE CULVERT. THE PATCH SHALL BE FULL PAVEMENT WIDTH, AND THE LENGTH SHALL EXTEND 2" BEYOND EACH SIDE OF THE CULVERT.

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETAIL OF PRECAST  
CONCRETE BOX  
CULVERT SECTION**  
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.

SCALE: \_\_\_\_\_ DRAWN BY: CRO  
DATE: September 23, 2005 CHECKED BY: RCY

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	28
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

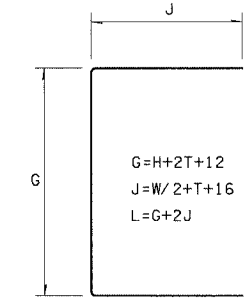
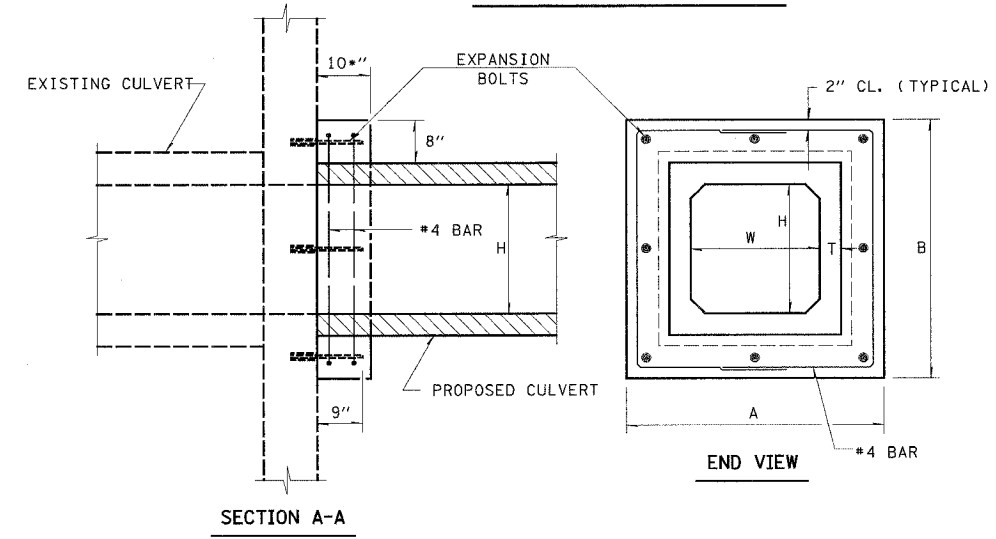
CONTRACT NO. 74080

SIDE	STATION	DIMENSIONS						REINFORCEMENT BARS					TOTAL	POUND
		A	B	C	W	H	T	G	J	L	NUMBER BARS	EA		
RT.	99+75.79	32	32	10	24	24	4	44	32	108	4	24	48	24
LT.	99+76.11	32	32	10	24	24	4	44	32	108	4	24		

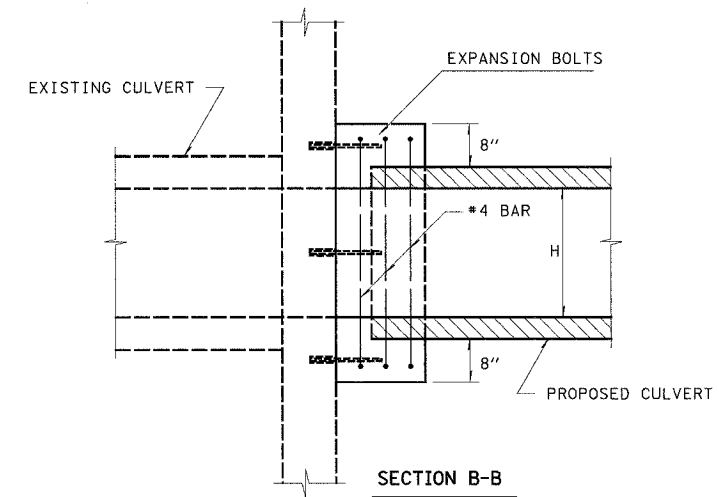
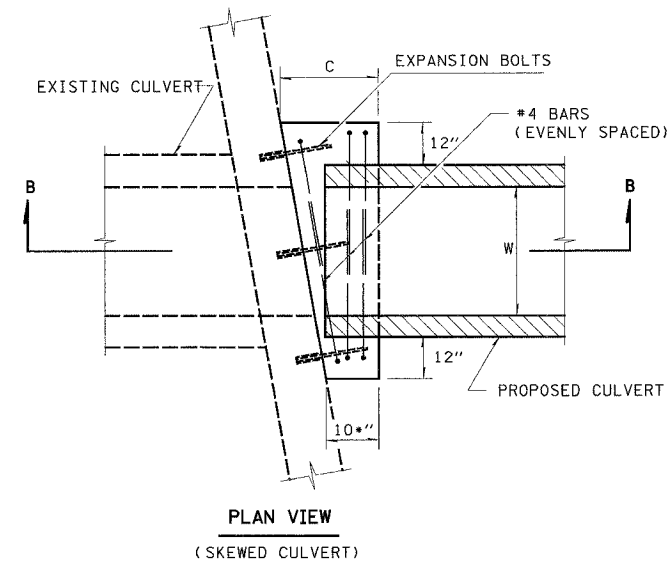
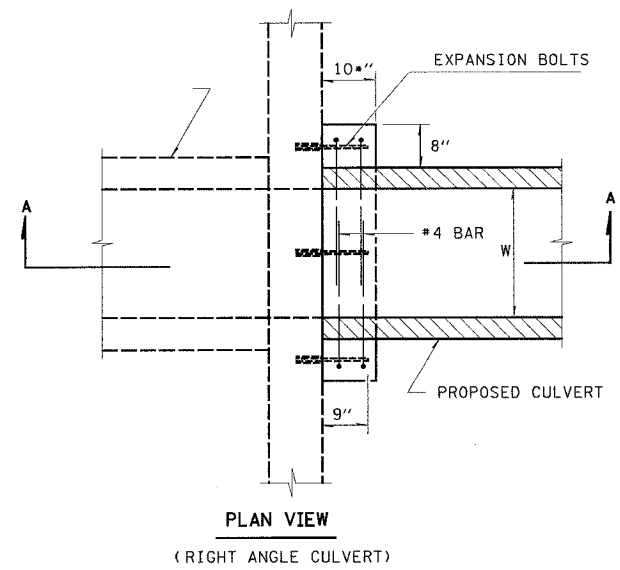
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REVISION	
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PLANNED	
NOTE BOOK	
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DATE	
BY	
REVISION	
NOTED	
PLANNED	
NOTE BOOK	
NO.	

DETAIL OF CONCRETE COLLAR FOR BOX CULVERT EXTENSIONS



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.



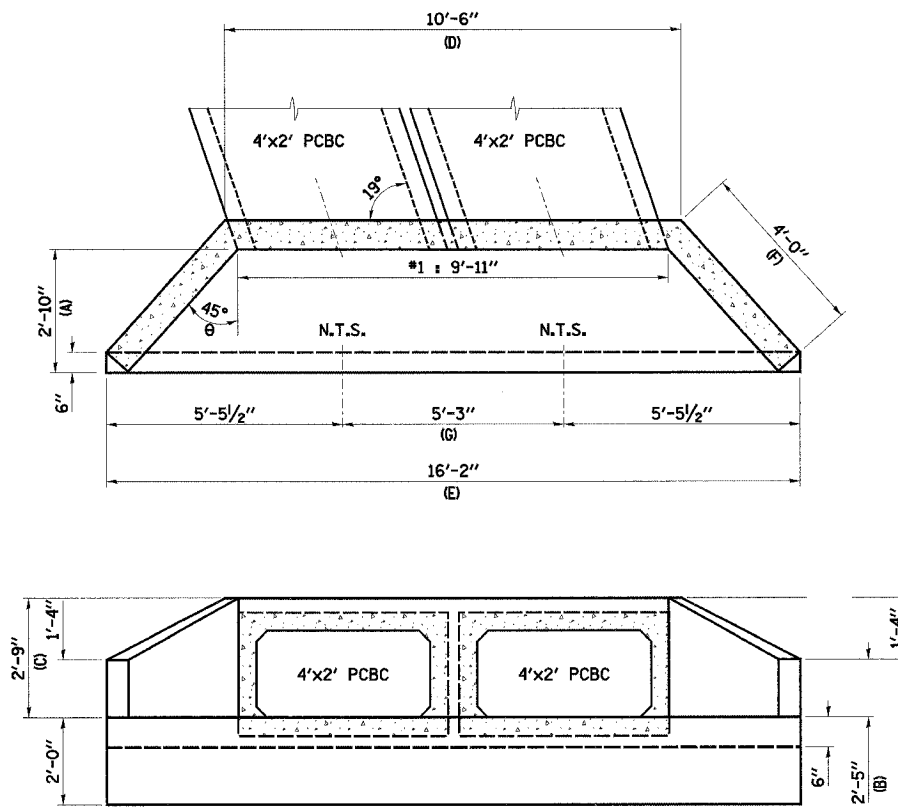
REVISIONS	
NAME	DATE
KdG	3/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CONCRETE COLLAR DETAIL FOR BOX CULVERT EXTENSIONS**  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
 SCALE: DRAWN BY CRO  
 DATE September 23, 2005 CHECKED BY RCY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	29
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74080



STRUCTURE #4 DETAIL  
SCALE: 1/2"=1'-0"

CAST IN PLACE REINFORCED CONCRETE END SECTIONS, 24"															
EACH															
CULVERT NUMBER	STATION	SIDE	T <sub>w</sub> (FT)	T <sub>s</sub> (FT)	∅	θ	A (FT)	B (FT)	C (FT)	D (FT)	E (FT)	F (FT)	G (FT)	•CONCRETE (CY)	•STEEL (LB)
4	106+82.45	RT.	0.5	0.5	19	45	2.83	2.42	2.75	10.5	16.17	4.0	5.25	1.90	70
4	106+82.45	LT.	0.5	0.5	19	45	2.83	2.42	2.75	10.5	16.17	4.0	5.25	1.90	70
<b>TOTALS</b>														3.80	140

• INFORMATION ONLY

**NOTES:**  
 CAST IN PLACE REINFORCED CONCRETE END SECTION SHALL BE CONSTRUCTED AS SHOWN TO PROVIDE OPENINGS TO ACCOMMODATE 2'X2' BOXES.  
 C/J DENOTES CONSTRUCTION JOINT  
 FOR ADDITIONAL DETAIL REFER TO HIGHWAY STANDARDS: 542106

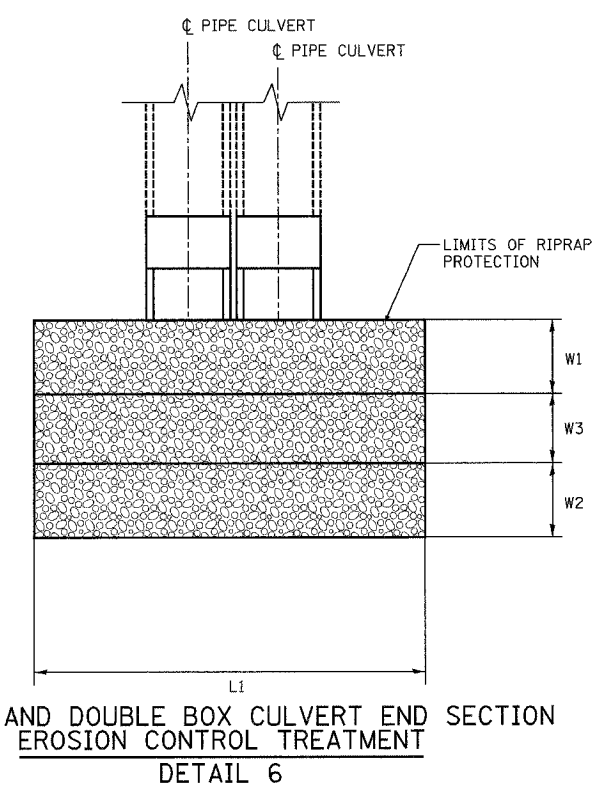
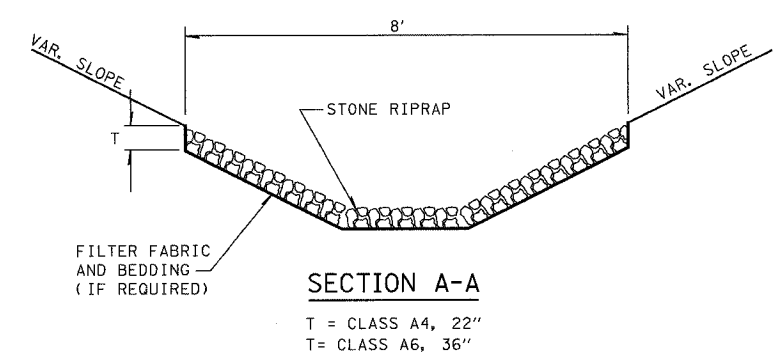
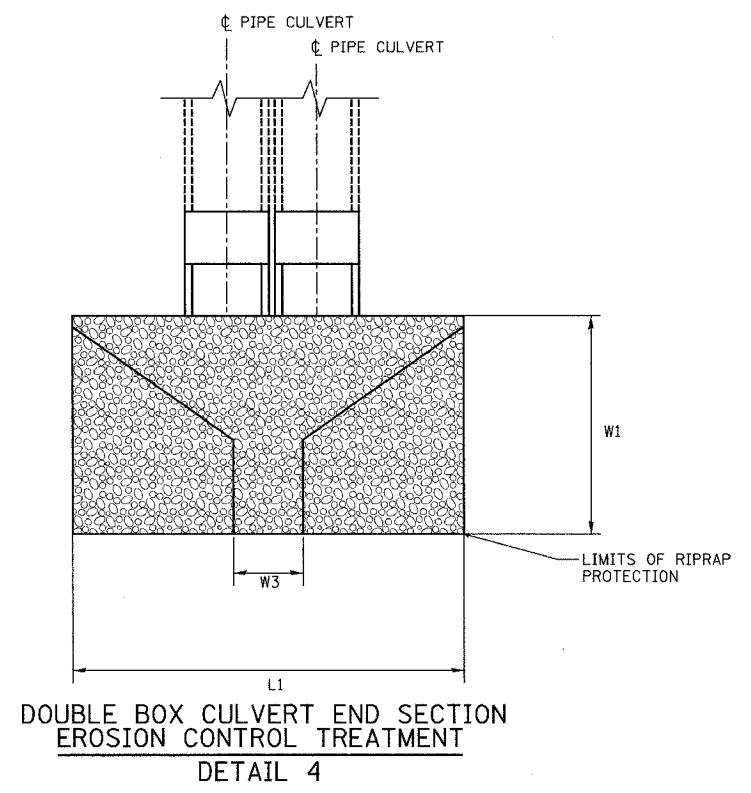
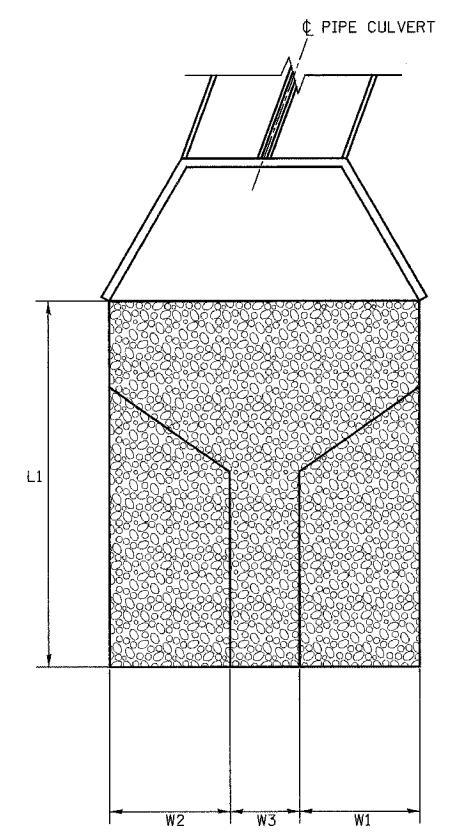
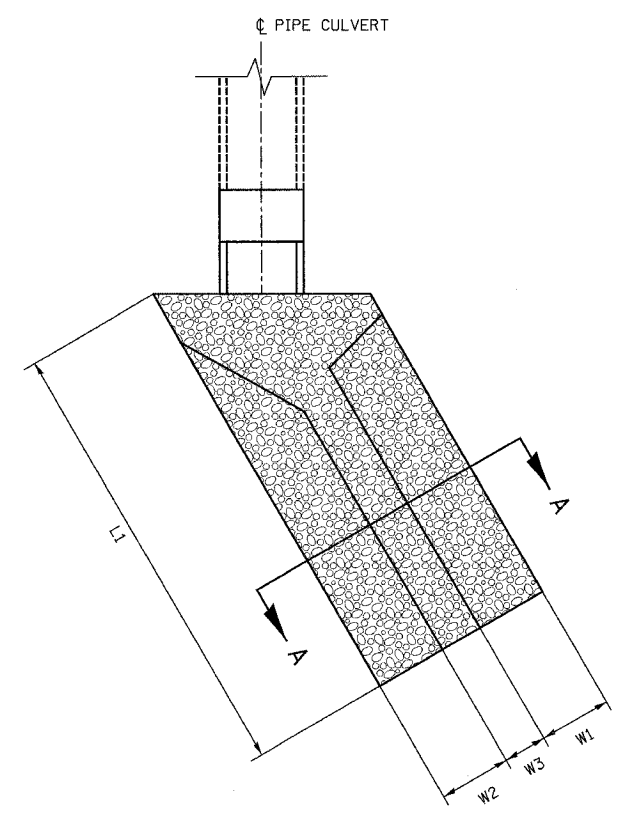
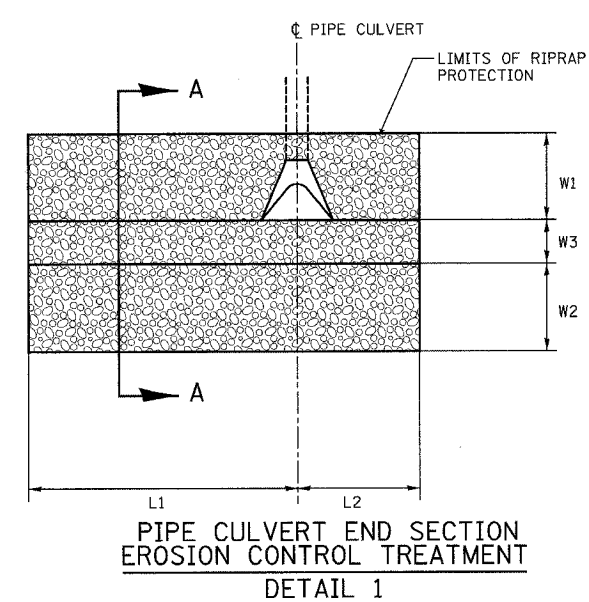
REVISIONS	
NAME	DATE
KdG	3/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**HEADWALL AND WINGWALL DETAILS**  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.  
 SCALE: DRAWN BY CRO  
 DATE September 23, 2005 CHECKED BY RCY

PLAN	SUPERVISOR	DATE
NO.	BY	
	PLOTTED	
	REVISIONS	
	BY	
	DATE	
	NOTE BOOK	
	NO.	
	FILE NAME	

PLAN	SUPERVISOR	DATE
NO.	BY	
	PLOTTED	
	REVISIONS	
	BY	
	DATE	
	NOTE BOOK	
	NO.	
	FILE NAME	

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DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
PLAN: \_\_\_\_\_  
NO. \_\_\_\_\_

REVISIONS:  
1. PLOTTED  
2. CHECKED  
3. RT. OF WAY CHECKED  
4. CAD FILE NAME

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
PLAN: \_\_\_\_\_  
NO. \_\_\_\_\_

REVISIONS:  
1. PLOTTED  
2. CHECKED  
3. RT. OF WAY CHECKED  
4. CAD FILE NAME

RIRAP												
SQ YD												
STRUCTURE NO.	STATION	TO	STATION	SIDE	STONE RIRAP CLASS, A4 SQ YD	FILTER FABRIC SQ YD	W1 FOOT	W2 FOOT	W3 FOOT	L1 FOOT	L2 FOOT	DESCRIPTION
1	14+67.88		14+96.01	RT.	32	32	3	3	2	28.4	7	DETAIL 1
2	85+27.81		85+40.00	RT.	22	22	3	3	2	28		DETAIL 2
3	99+75.70		99+76.59	RT.	6	6	6.3	6.3	2	6.5		DETAIL 2
4	106+68.62		106+60.90	RT.	36	36	39		2	24.5		DETAIL 3
<b>TOTALS</b>					<b>96</b>	<b>96</b>						

REVISIONS	
NAME	DATE
KDG	3/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RIRAP DETAILS**

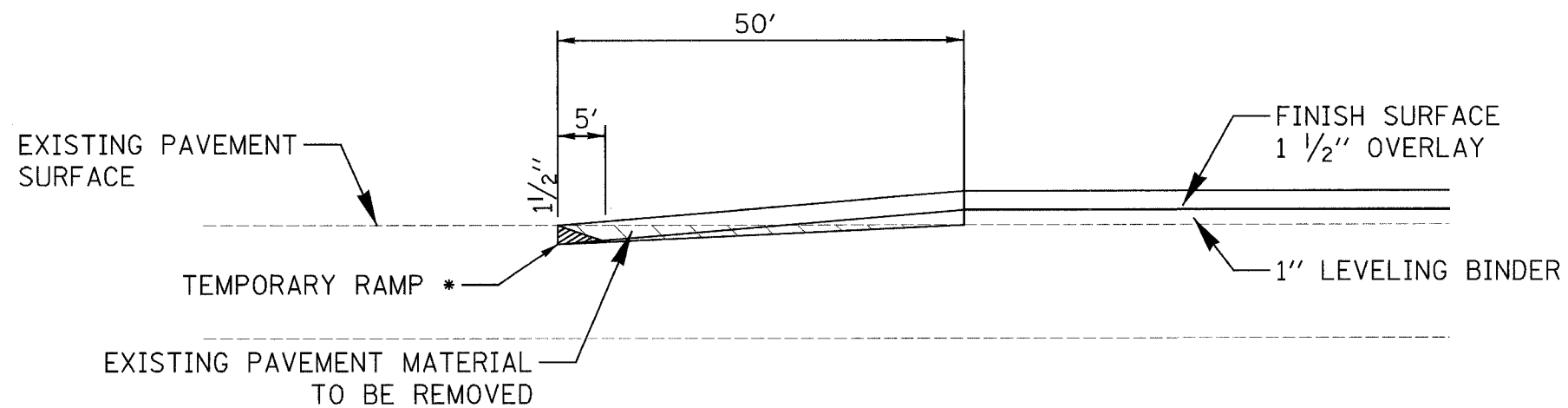
F.A.P. 750 (IL. RTE. 185)  
SECTION 112 - FAYETTE CO.

SCALE: \_\_\_\_\_ DRAWN BY: CRO  
DATE: September 23, 2005 CHECKED BY: RCY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	31
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 74080				

PLAN	DATE
NO.	BY
REVISION	DATE
PLotted	CHECKED
BY	BY
DATE	DATE
CAD FILE NAME	



\* TEMPORARY RAMP  
 COST OF TEMP. RAMP REMOVAL  
 SHALL BE INCLUDED IN THE COST  
 FOR PAY ITEM 'TEMPORARY RAMP'

### BUTT JOINT DETAIL

STA. 14+00.25 TO STA. 14+50.25 (AT RTE. 40)  
 STA. 33+52 TO STA. 34+02  
 STA. 35+27.5 TO STA. 35+77.5  
 STA. 119+50 TO STA. 120+00

PLAN	DATE
NO.	BY
REVISION	DATE
PLotted	CHECKED
BY	BY
DATE	DATE
CAD FILE NAME	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SPECIAL SHEET  
 BUTT JOINT DETAIL  
 F.A.P. 750 (IL. RTE. 185)  
 SECTION 112 - FAYETTE CO.

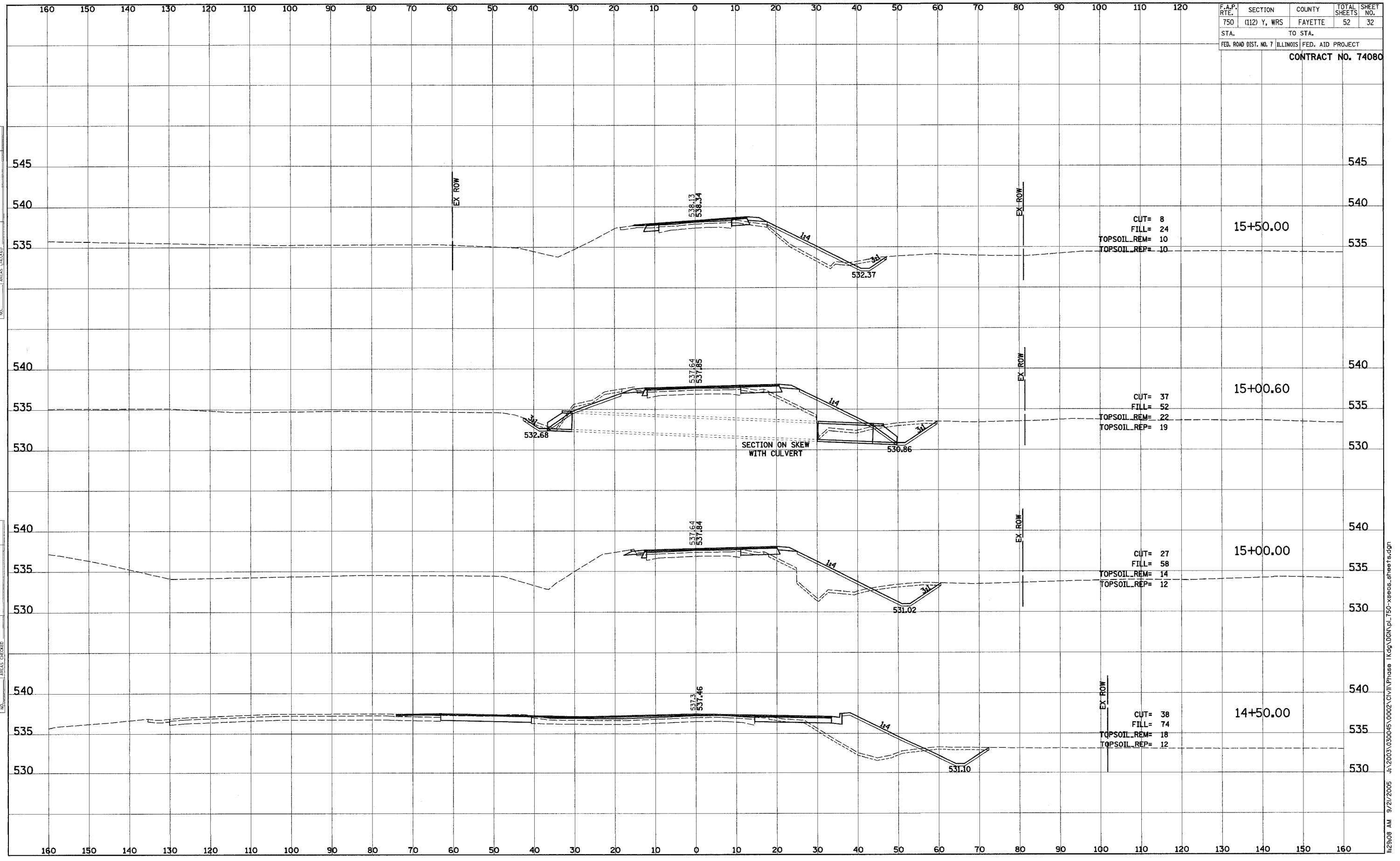
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	32
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 74080				

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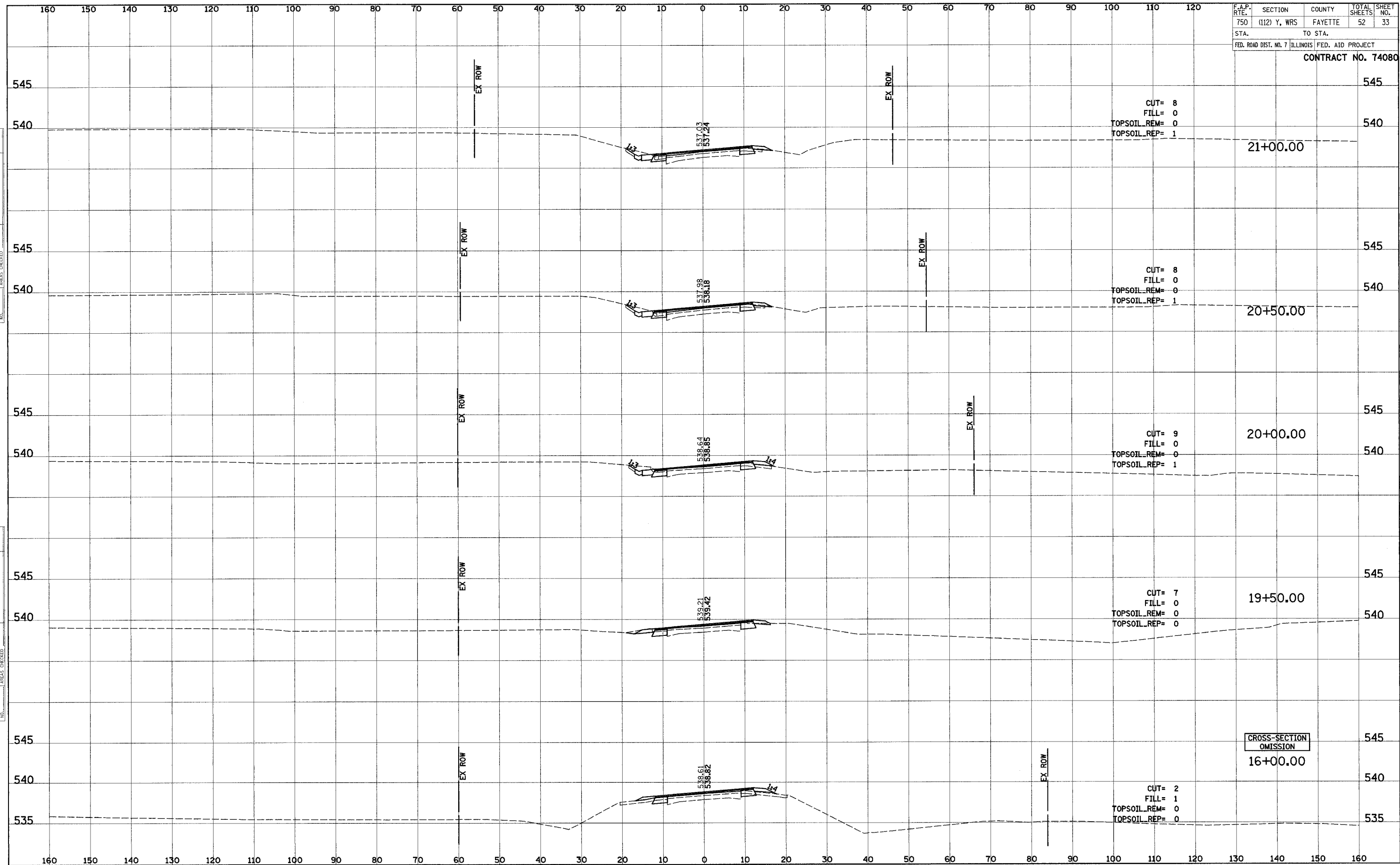
DATE	BY
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	33
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 74080

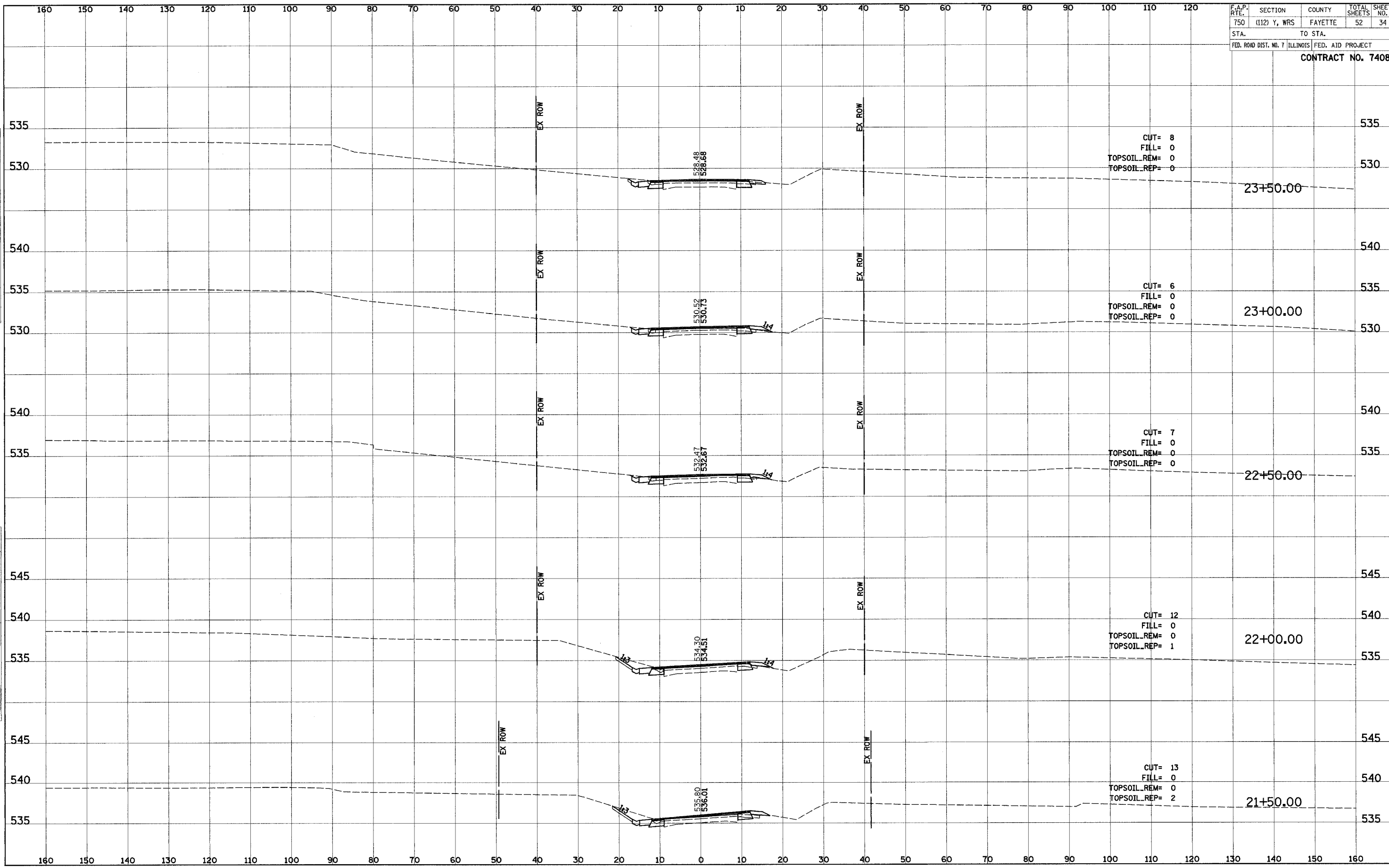


DATE	BY
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	

DATE	BY
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	

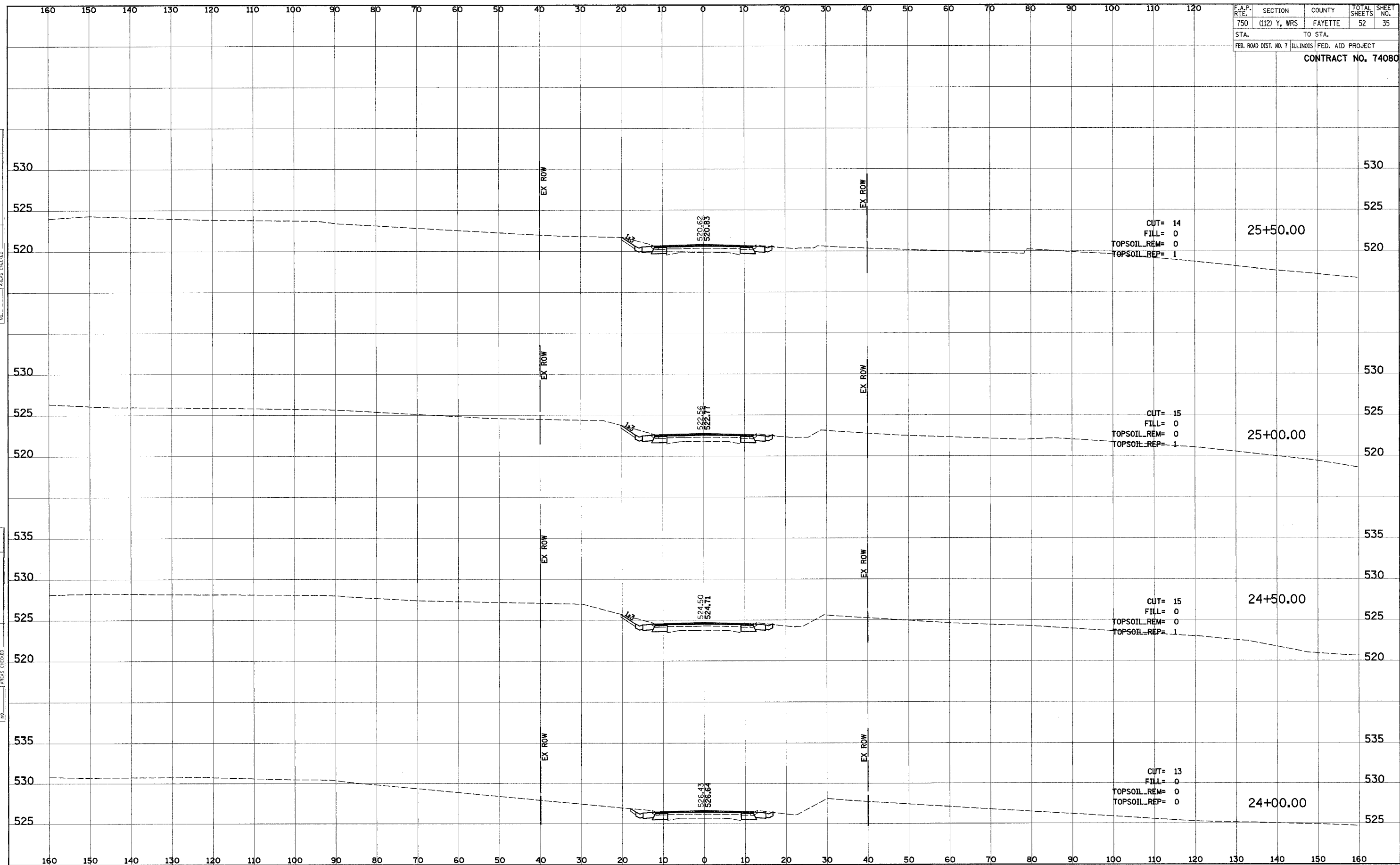
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SURVEYED BY	
PLOTTED BY	
NOTE BOOK NO.	
TEMPLATE NO.	
AREAS CHECKED	

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



F.A.P. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	35
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 7		ILLINOIS		

**CONTRACT NO. 74080**



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

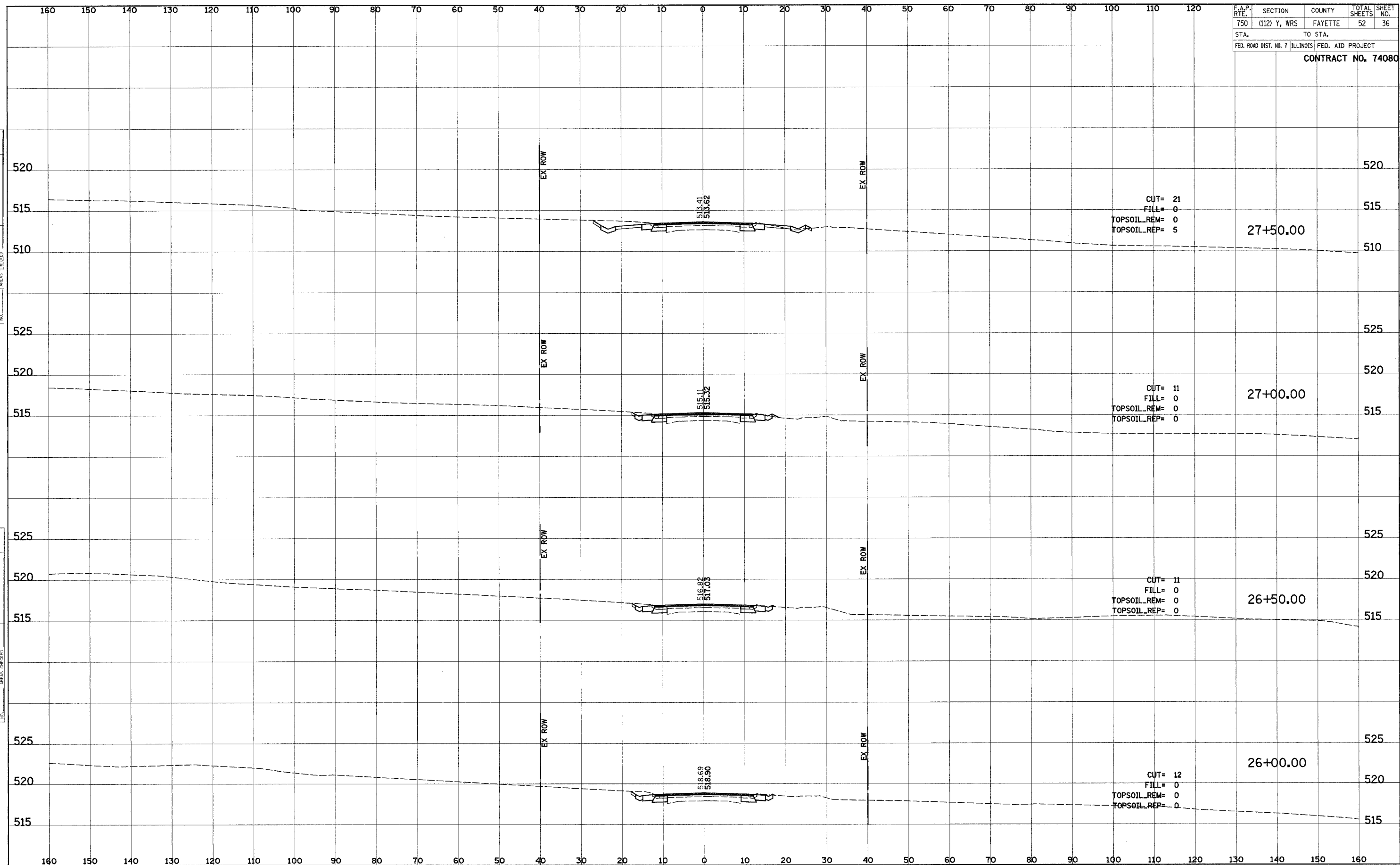
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F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	36
STA. 750		TO STA. 1200		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
<b>CONTRACT NO. 74080</b>				

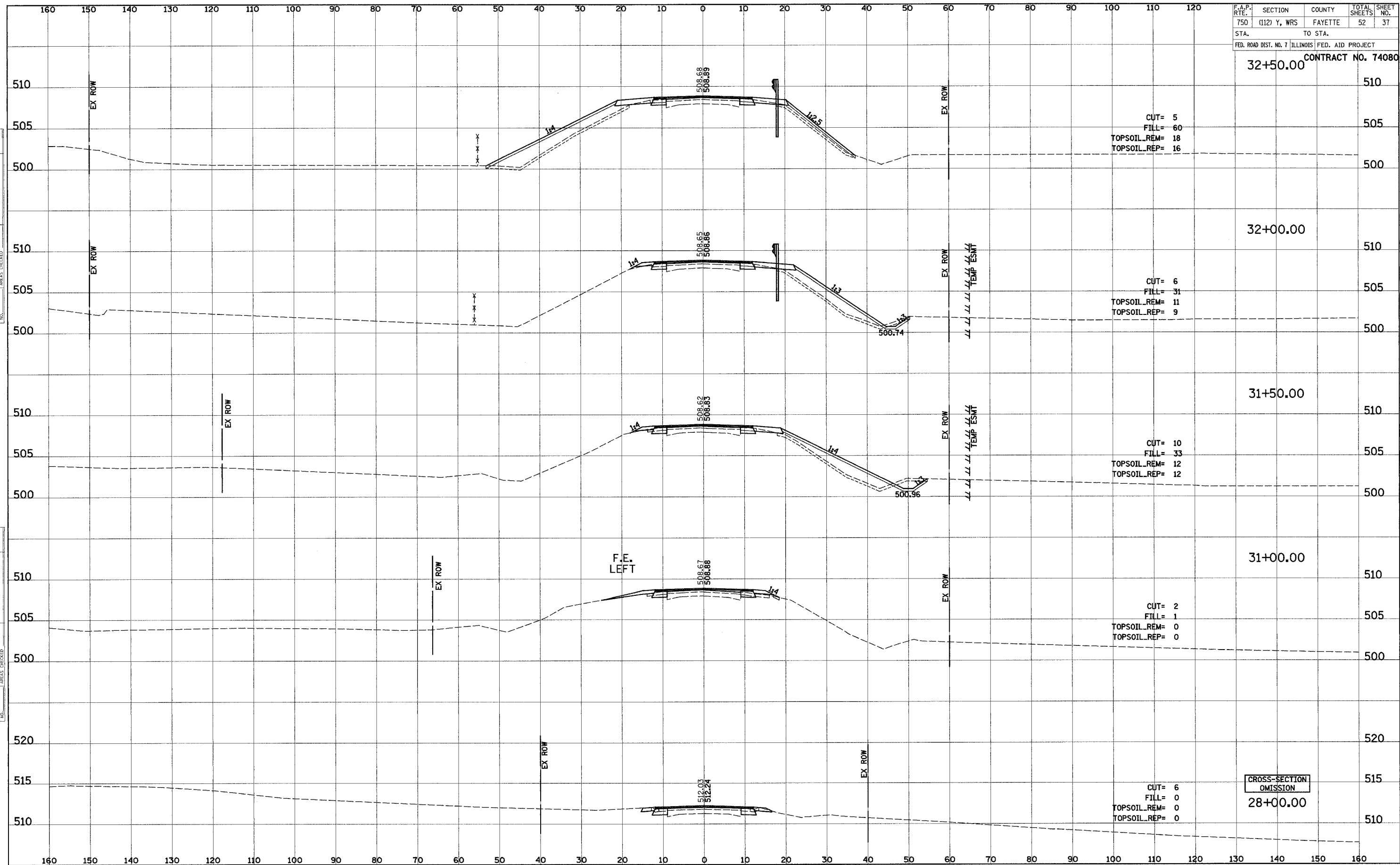
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 BY: \_\_\_\_\_  
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 TEMPLATE: \_\_\_\_\_  
 NO. OF SHEETS: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEY NO.: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 TEMPLATE: \_\_\_\_\_  
 NO. OF SHEETS: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	37
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		

CONTRACT NO. 74080



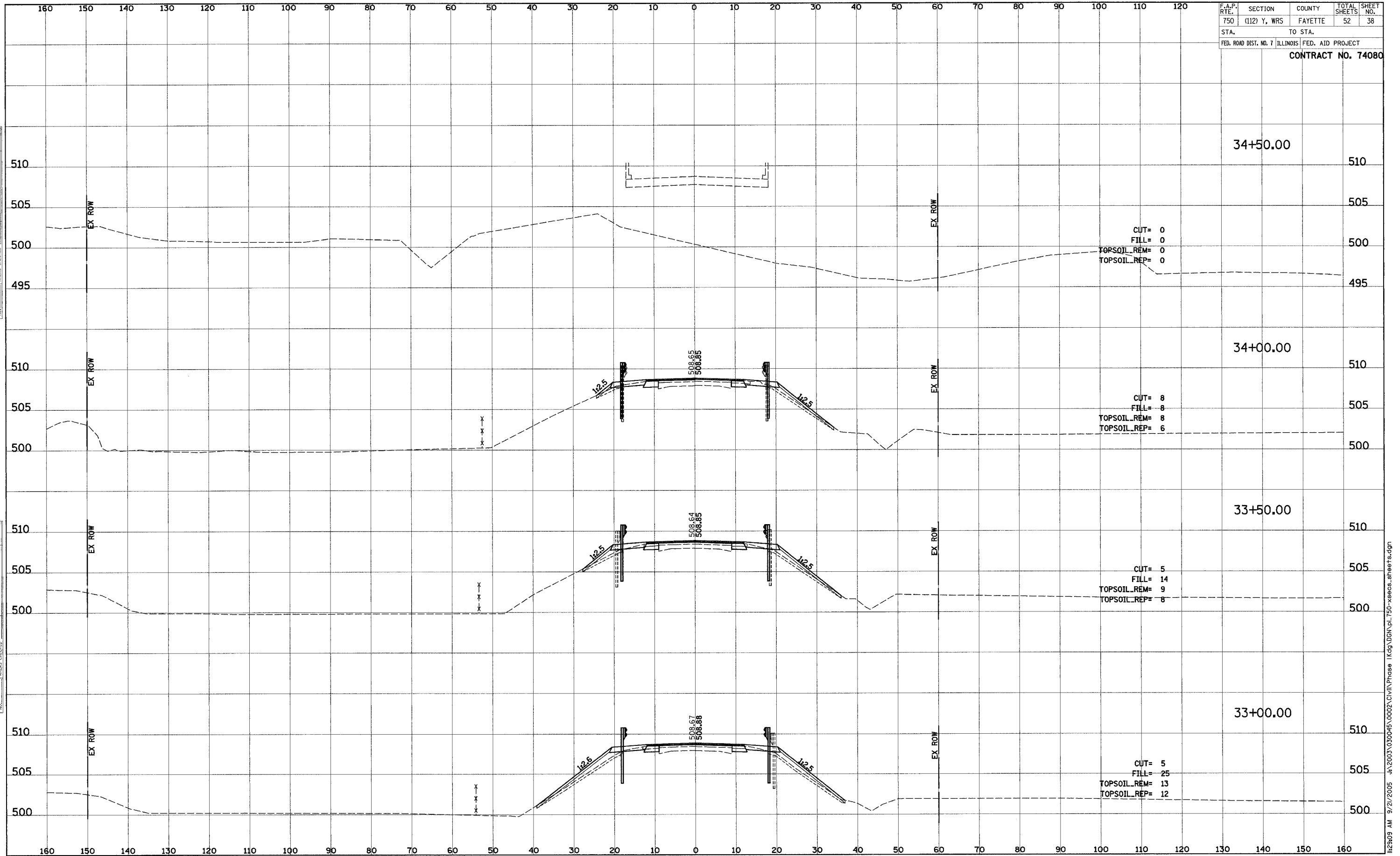
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NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPERATURE	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPERATURE	
	NO.	

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	38
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 74080				

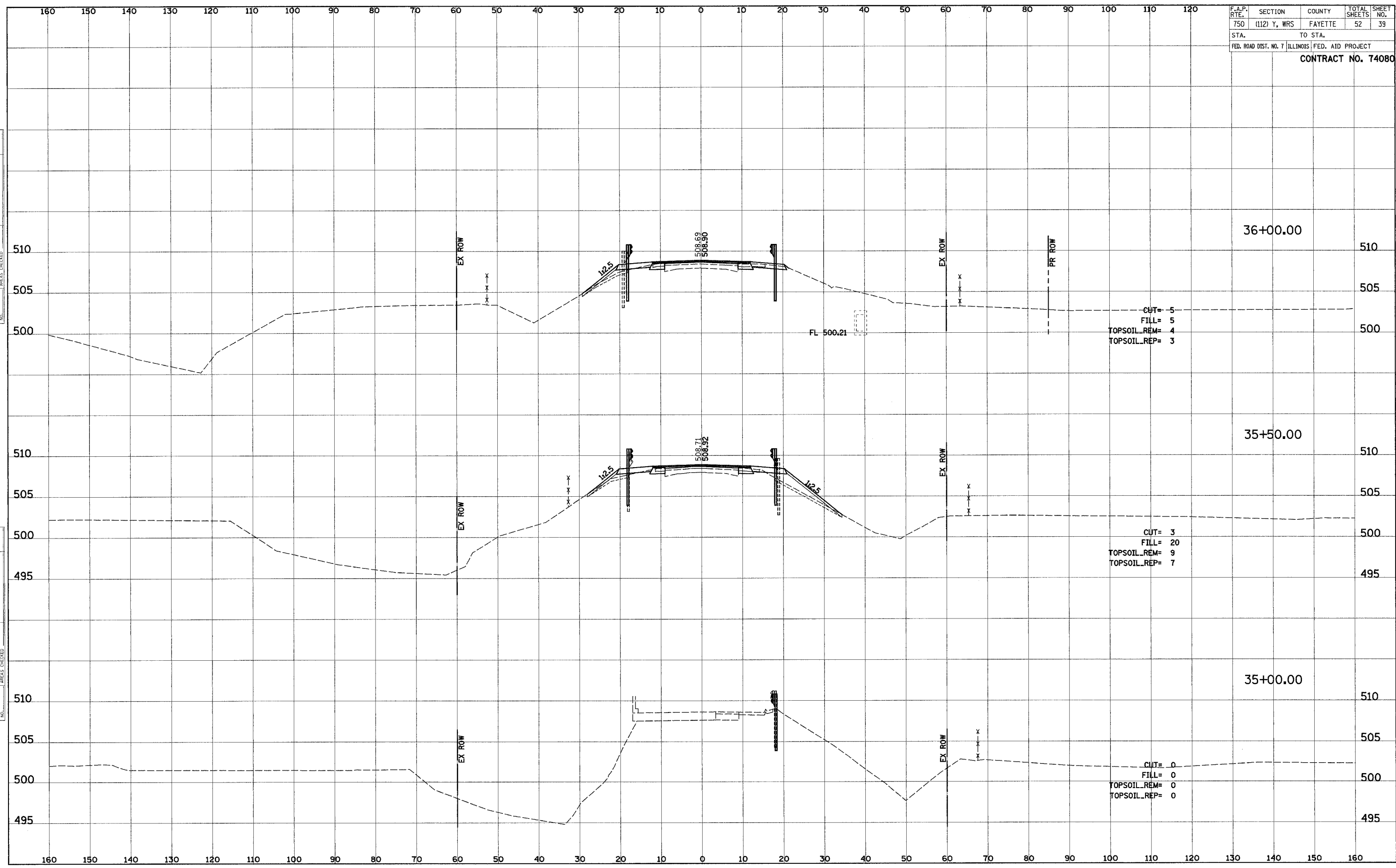


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	39
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74080

FINAL SURVEY	SUPERVISED	DATE
NOTE BOOK	FLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SUPERVISED	DATE
NOTE BOOK	FLOTTED	
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	AREAS CHECKED	



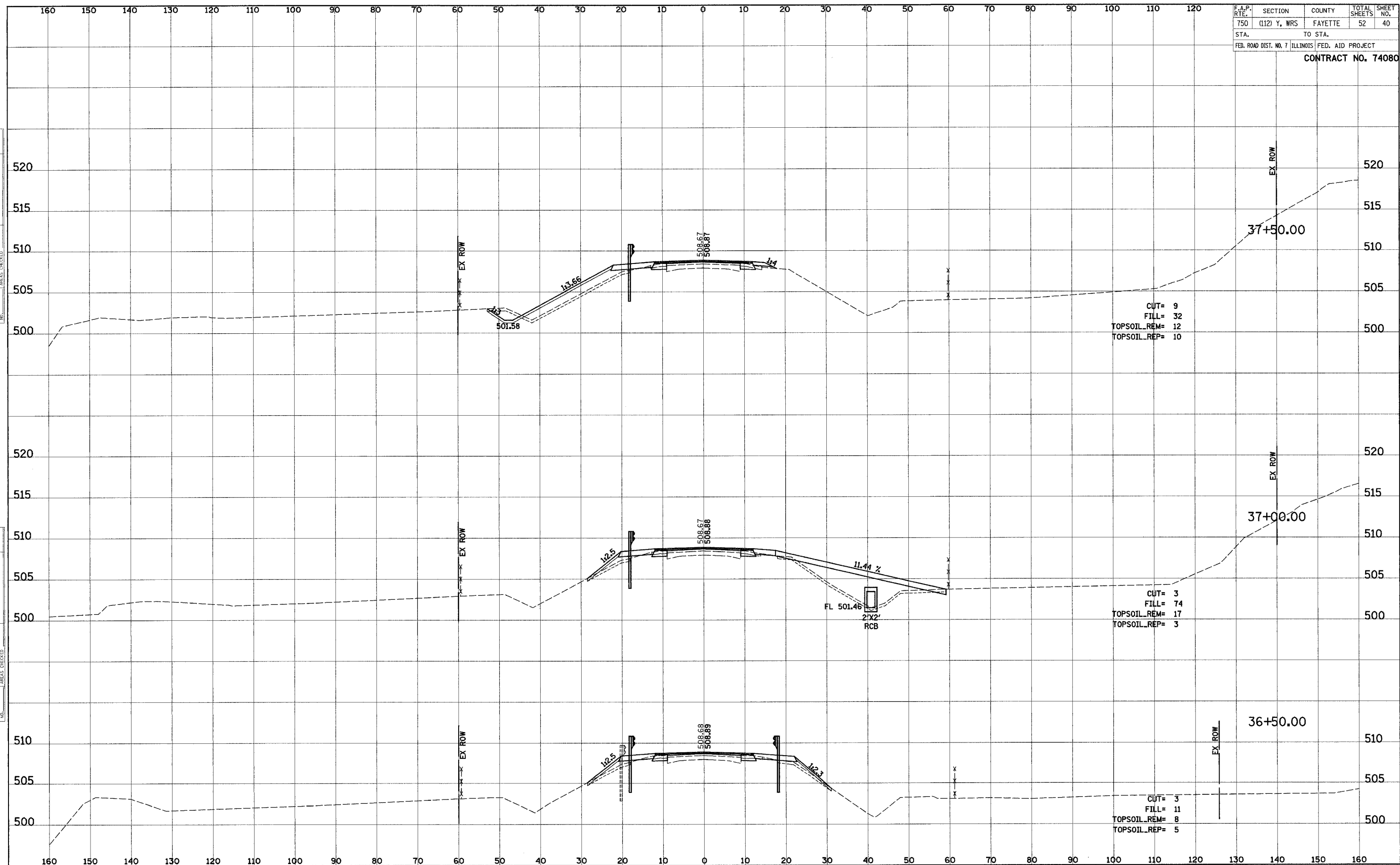
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F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	40
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 74080

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

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



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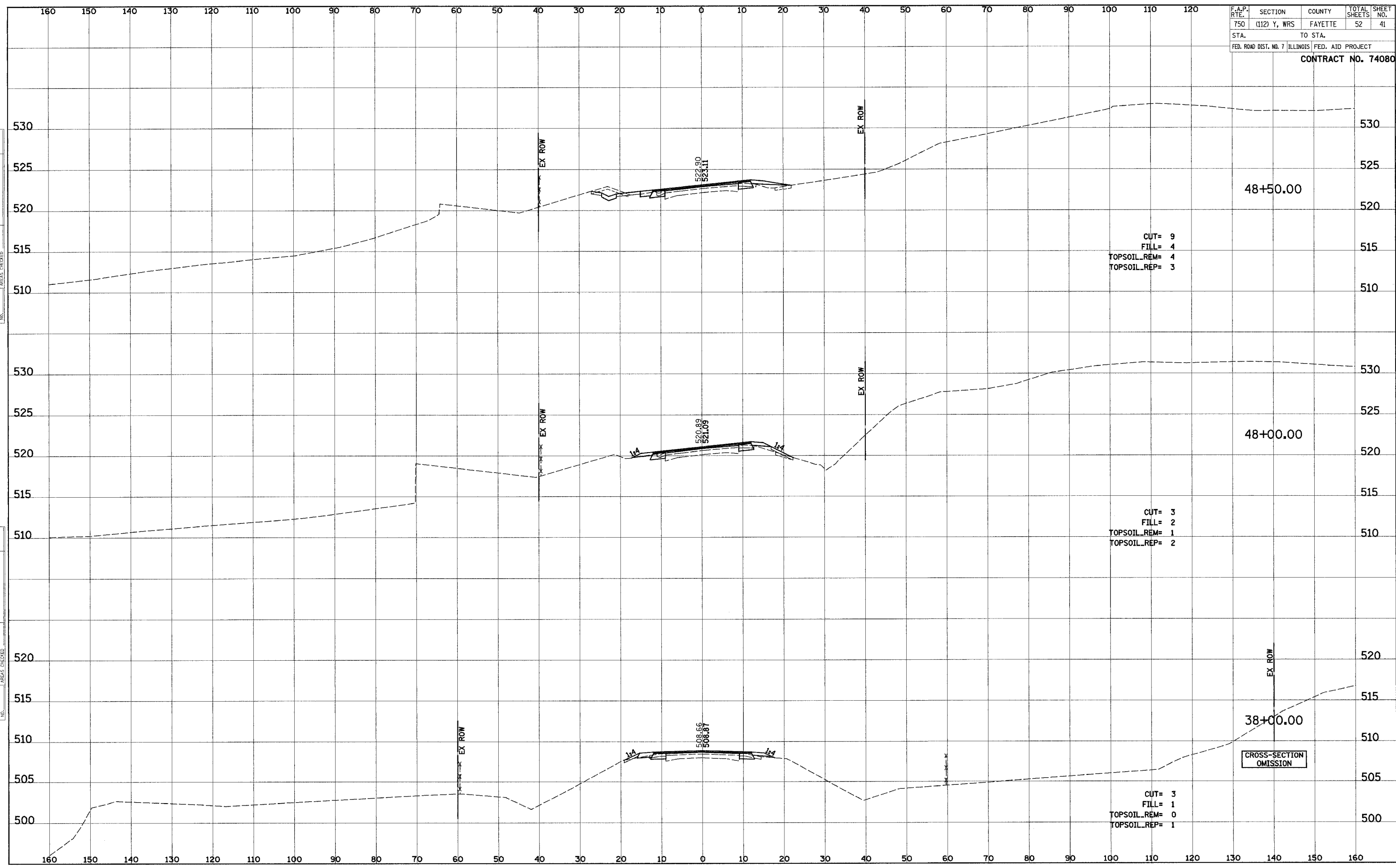


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	41
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 74080

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

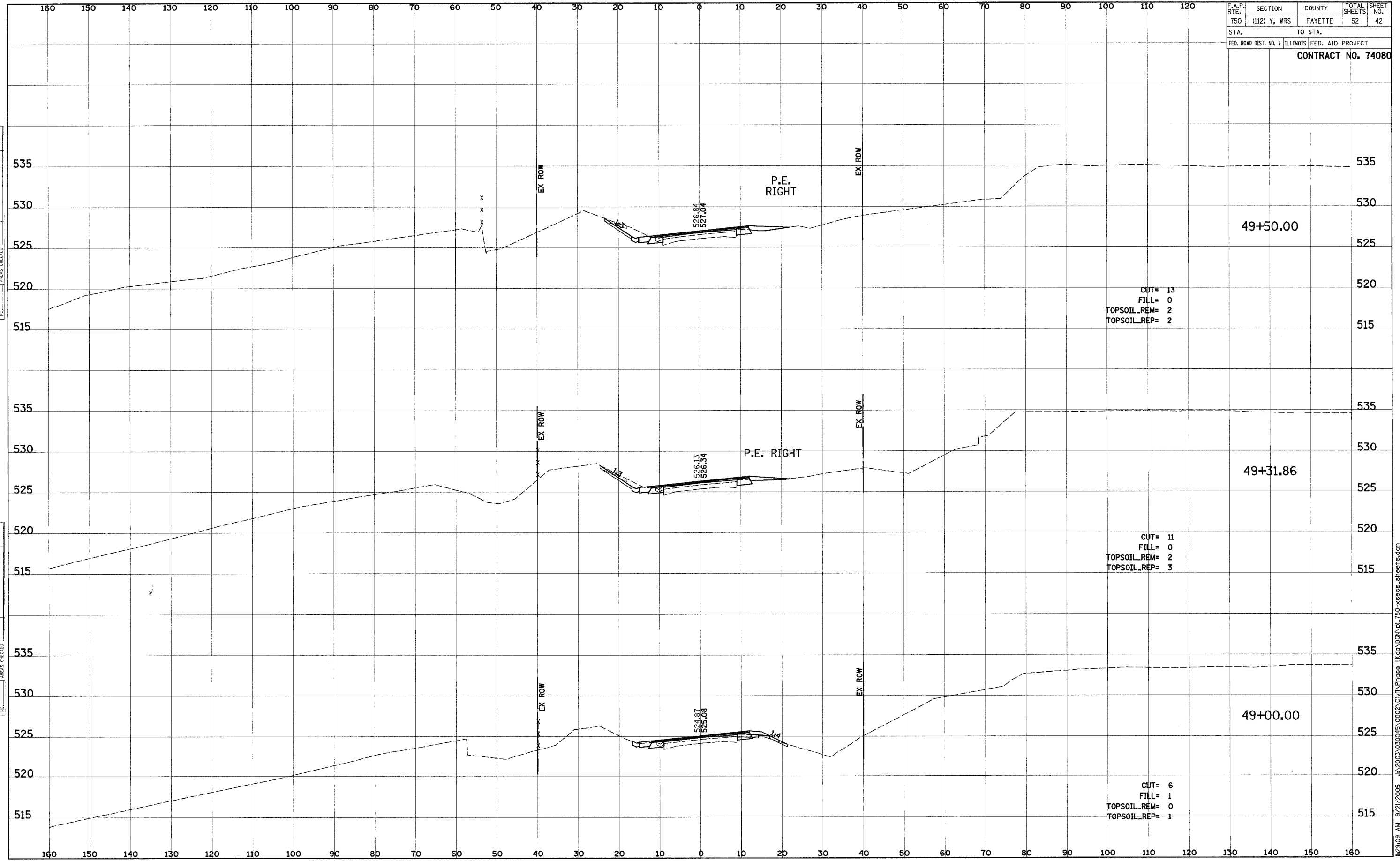


CROSS-SECTION OMISSION

F.A.P. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750 (112) Y, WRS	FAYETTE	52	42
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	
<b>CONTRACT NO. 74080</b>			

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

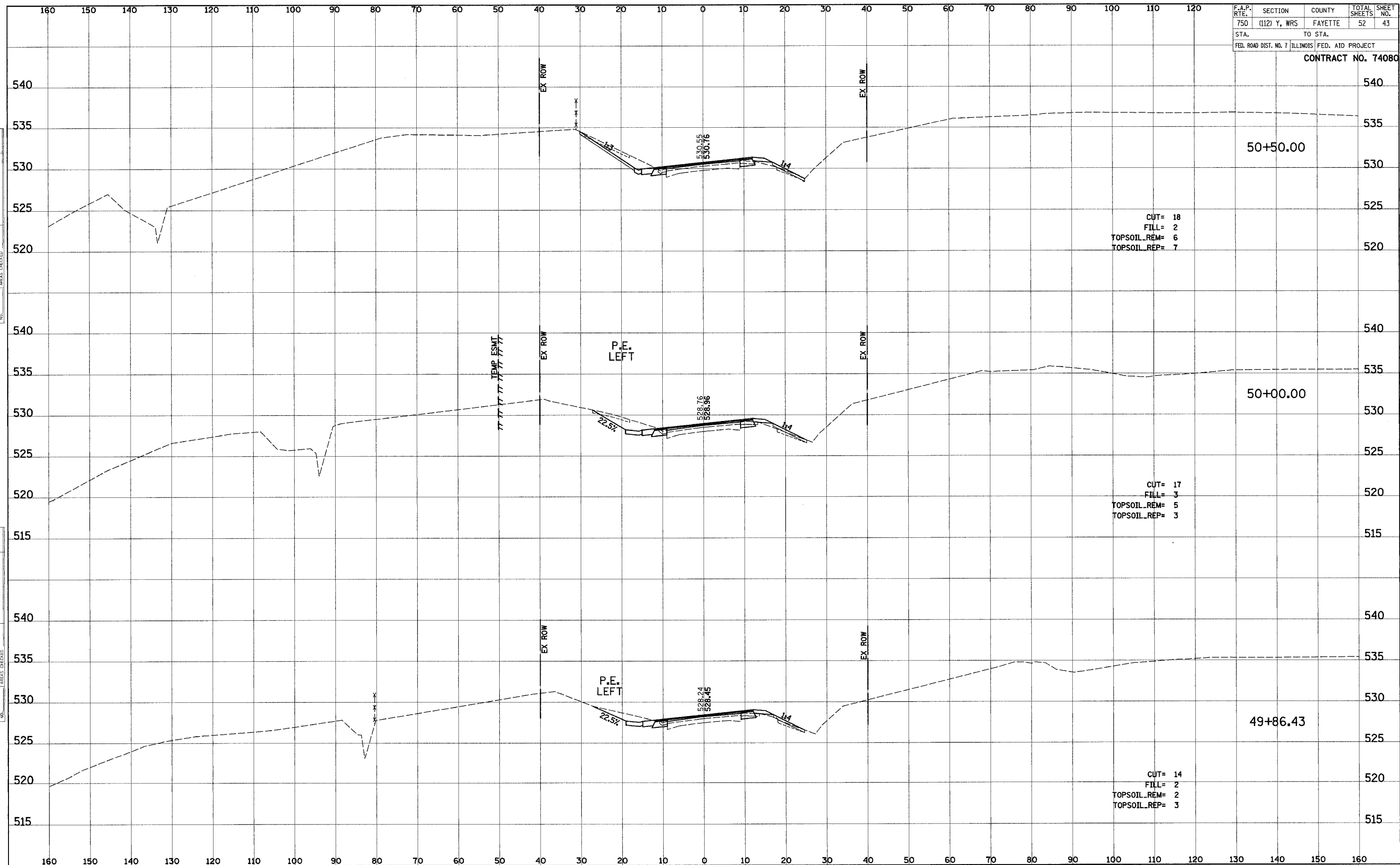


F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	43
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 74080

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

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

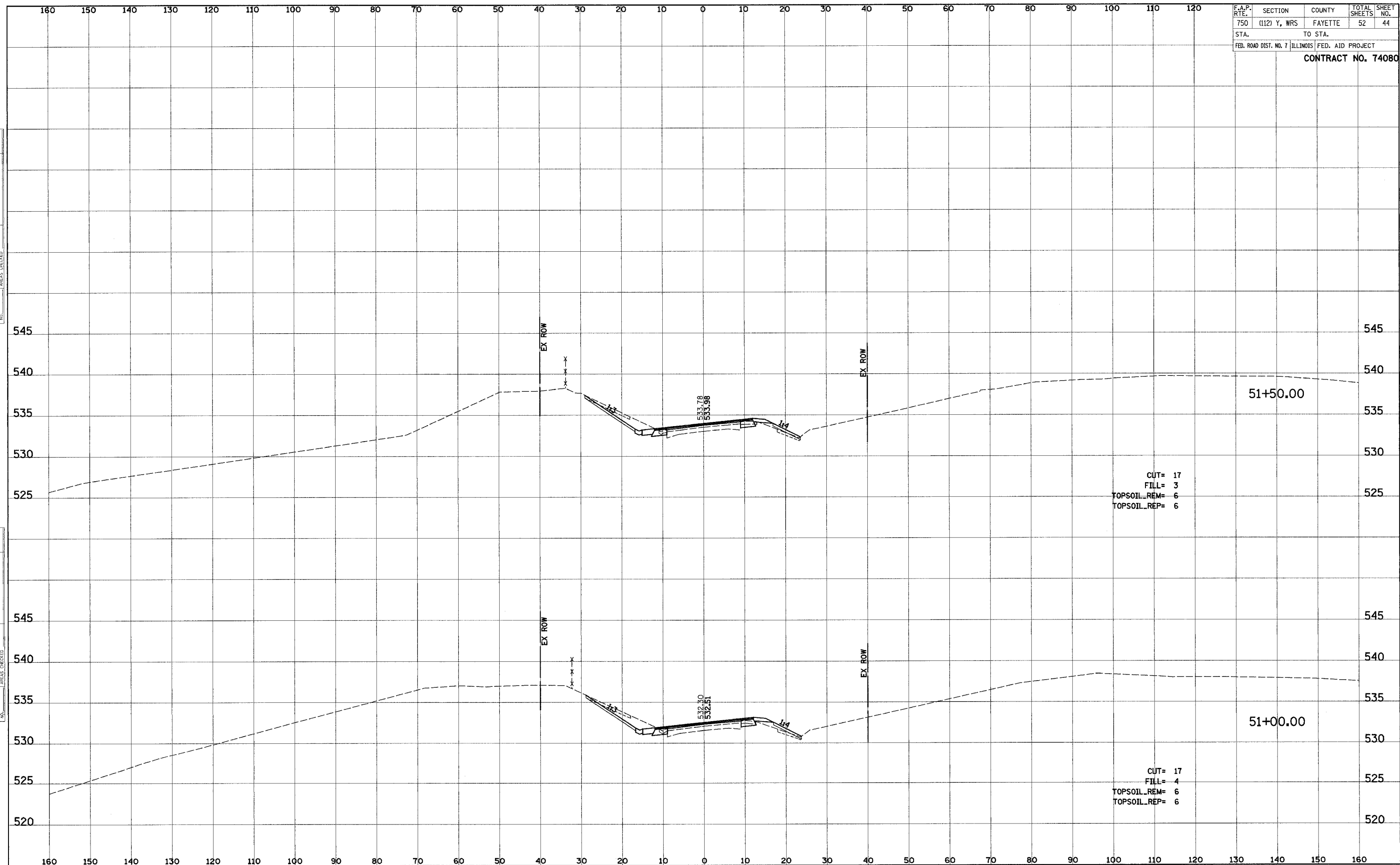


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F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	44
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 74080</b>				

FINAL SURVEY	SUPPLEMENTED	DATE
NOTE BOOK	PLOTTED	
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ORIGINAL SURVEY	SUPPLEMENTED	DATE
NOTE BOOK	PLOTTED	
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	AREAS CHECKED	

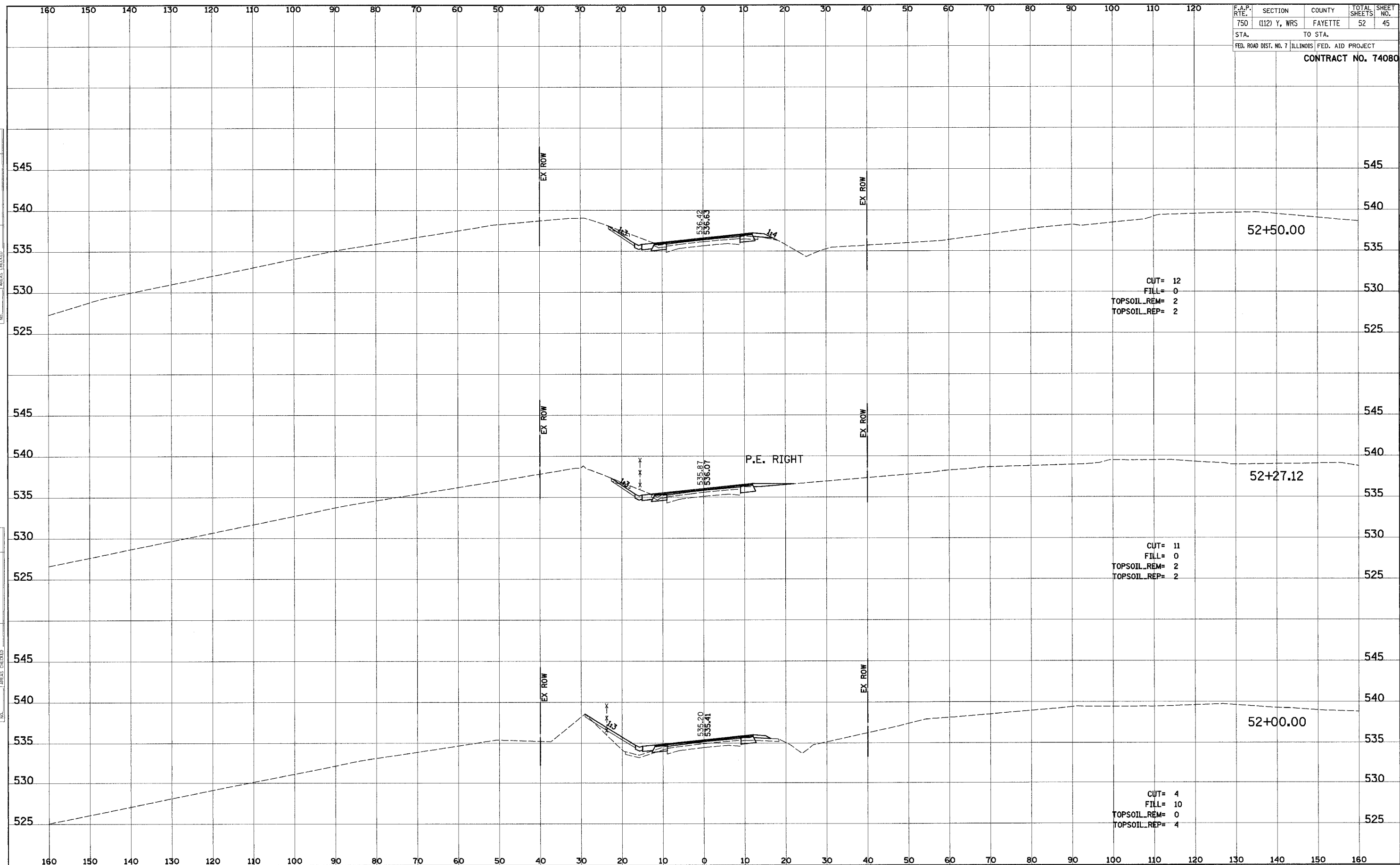


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F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	45
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 74080</b>				

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

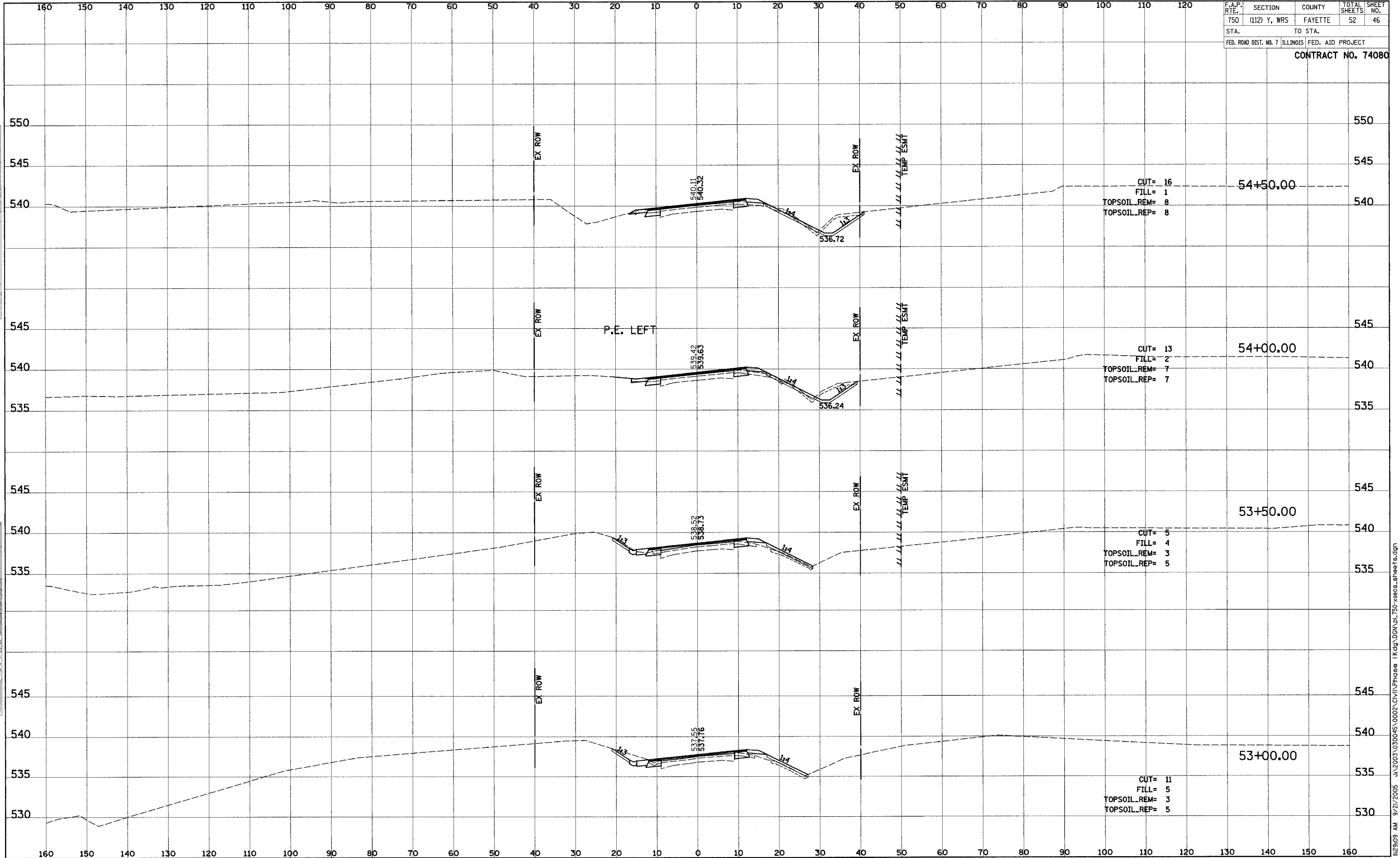
ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	NOTE BOOK	
	AREAS CHECKED	



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	46
STA. TO STA.			FED. AID PROJECT	
FED. ROAD DIST. NO. 7 ILLINOIS				

CONTRACT NO. 74080



FINAL SURVEY NO. \_\_\_\_\_

SURVEYED PLOTTED TEMPLATE AREAS CHECKED

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

ORIGINAL SURVEY NO. \_\_\_\_\_

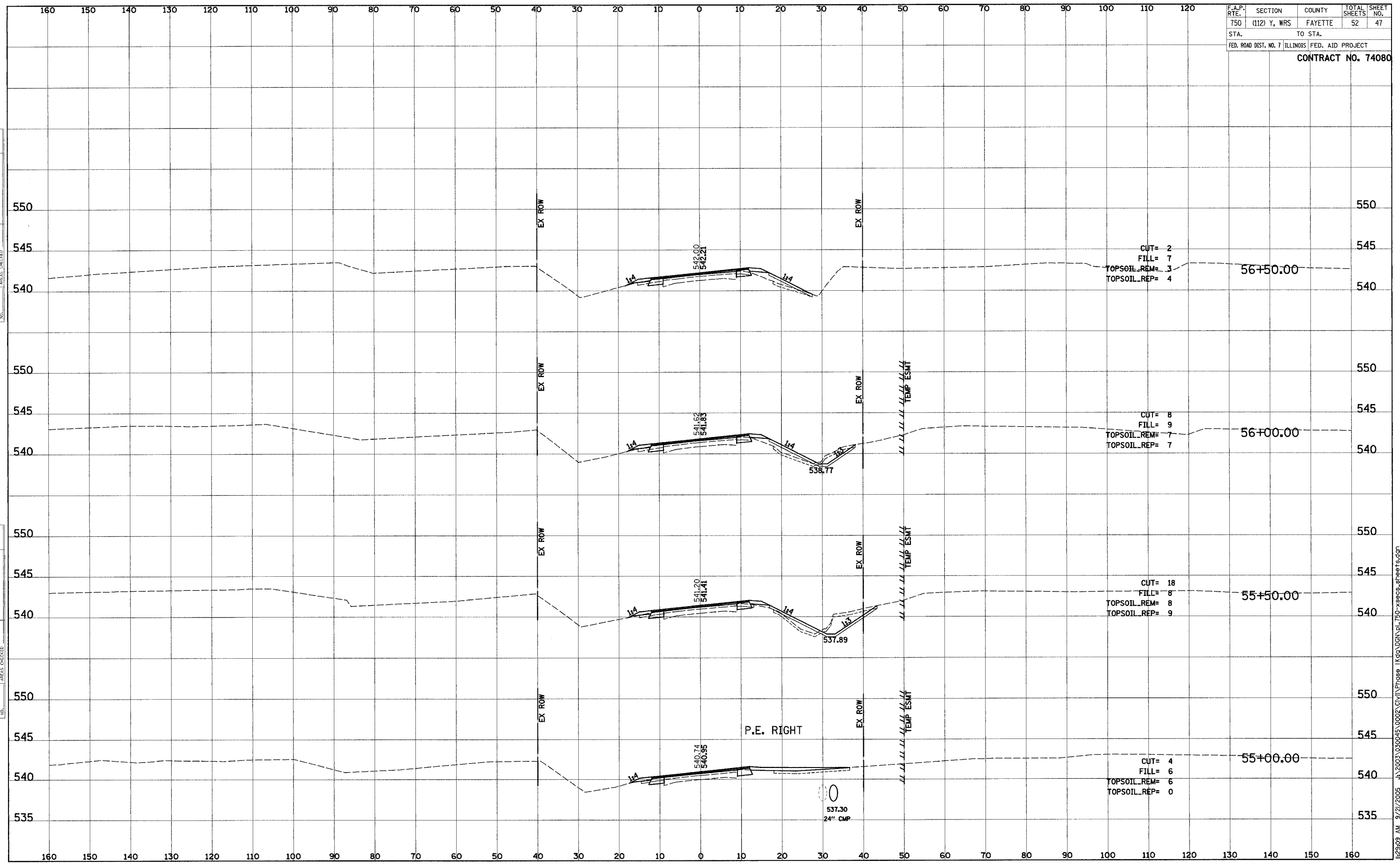
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F.A.P. R/F	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	47
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 74080</b>				

DATE	BY	NO.

DATE	BY	NO.



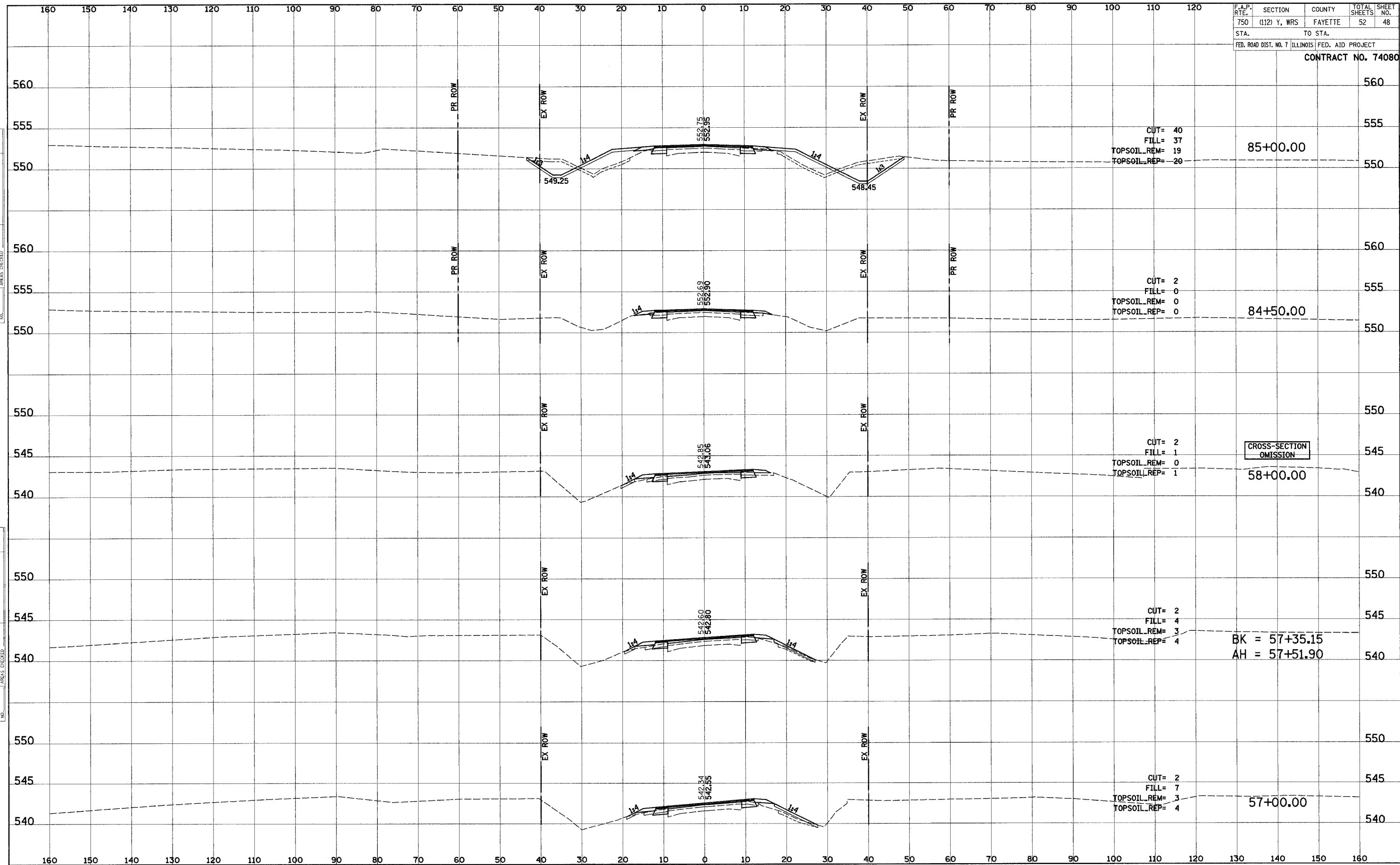
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
750	(112) Y, WRS	FAYETTE	52	48
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74080

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



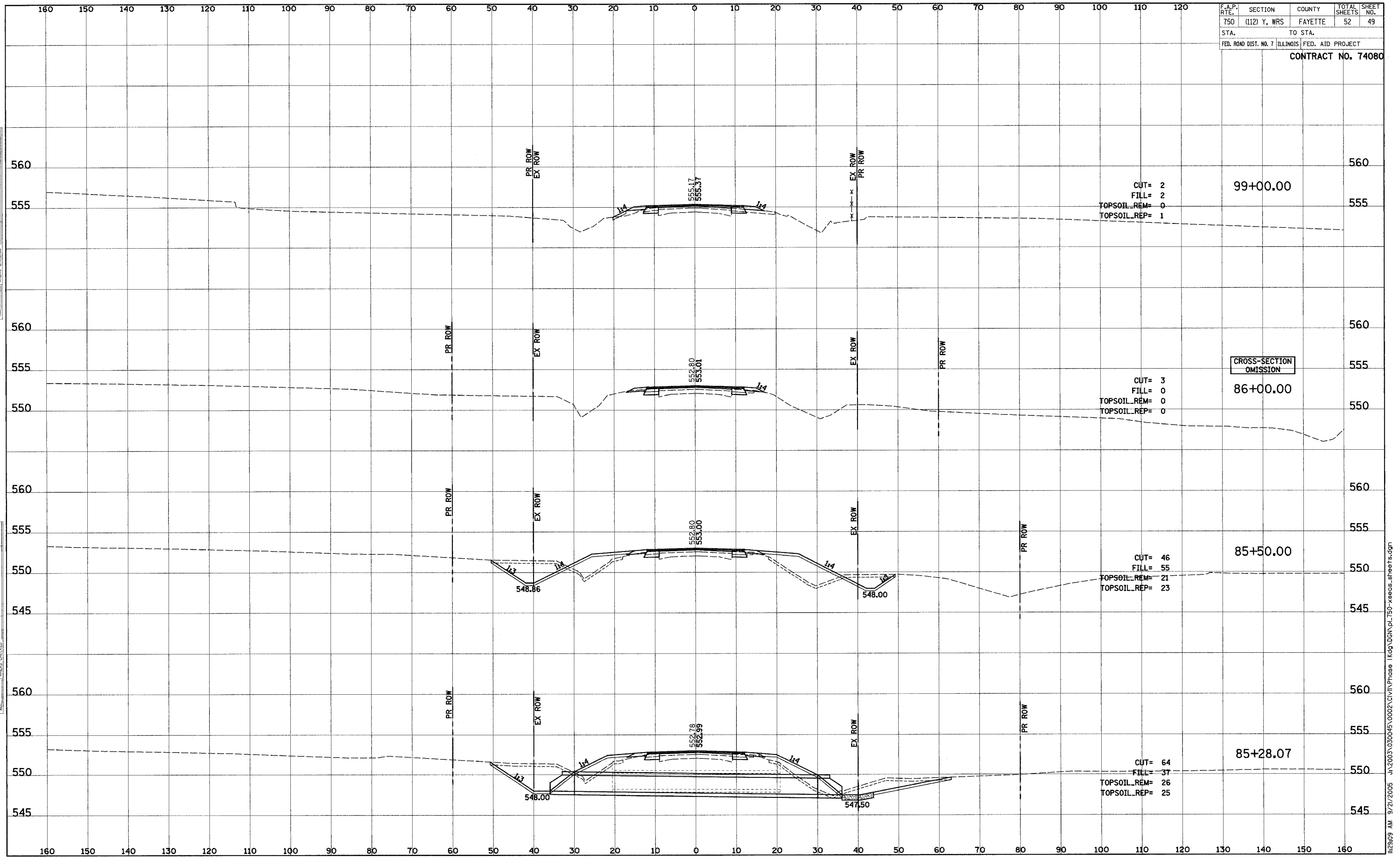
CROSS-SECTION OMISSION

BK = 57+35.15  
AH = 57+51.90



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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AREAS CHECKED	

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AREAS CHECKED	



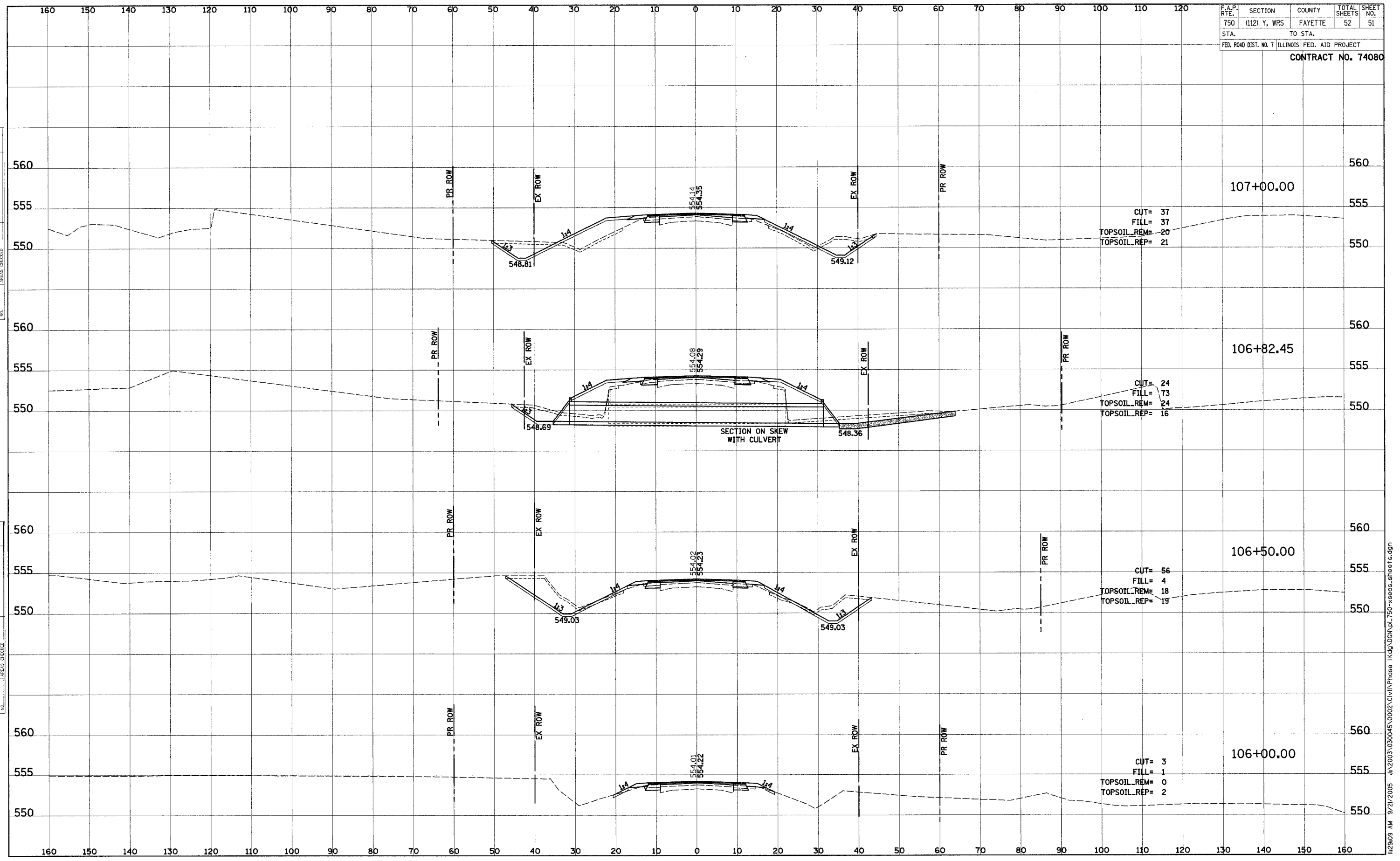


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	51
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		

CONTRACT NO. 74080

DATE	BY

DATE	BY



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	(112) Y, WRS	FAYETTE	52	52
STA.	TO STA.			
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 74080

FINAL SURVEY NO.	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

ORIGINAL SURVEY NO.	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

