FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	46-1	KANKAKEE	115	1
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT I-57-7(69)319		

P-93-018-00

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

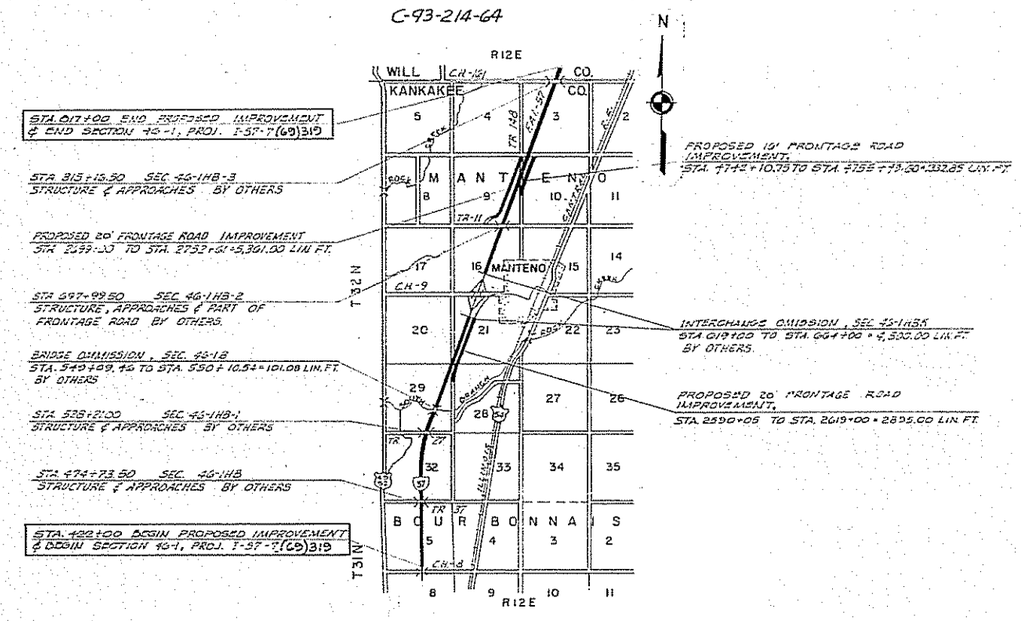
Index of sheets on sheet #4

SCALES

PLAN	1 INCH	100 FT
PROFILE, HOR.	1 INCH	100 FT
PROFILE, VERT.	1 INCH	10 FT
X-SECTIONS, VERT.	1 INCH	5 FT.
X-SECTIONS, HOR.	1 INCH	10 FT

F.A.I. ROUTE 57, SECTION 46-1
KANKAKEE COUNTY
PROJECT I-57-7(69)319

C-93-214-64



LAYOUT

SCALE: 1" = 1 MILE (APPROX.)

LOCATION OF SECTION INDICATED THUS:—

HIGHWAY CLASSIFICATION			
1984	1984	T	70
DHV	YEAR	VEHICLE	SPEED

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

SUBMITTED Dec 28 61 — Engineer
EXAMINED July 3 1964 — Engineer of Bridge Plans and Contracts
PASSED July 3 1964 — Engineer of Design
APPROVED July 3 1964 — Chief Highway Engineer
APPROVED July 3 1964 — Director

LENGTHS OF PROPOSED IMPROVEMENTS

ROUTE	GROSS LENGTH	NET LENGTH
FA I-57	33,500.00 LIN. FT. = 6.481 MILES	34,898.92 LIN. FT. = 6.610 MILES
FRONTAGE ROAD 'W'		
SEC. 21	5,676.69 LIN. FT. = 1.075 MILES	2,895.00 LIN. FT. = 0.548 MILES
SEC. 9	6,135.99 LIN. FT. = 1.162 MILES	5,361.00 LIN. FT. = 1.015 MILES
SEC. 10	1,332.85 LIN. FT. = 0.252 MILES	1,332.85 LIN. FT. = 0.252 MILES

NET LENGTH OF PROJ. I-57-7(69)319 = 34,898.92 FT. = 6.610 MILES

NOTE

UNLESS OTHERWISE NOTED STATIONS REFER EITHER TO ℄ F.A.I.-57 (℄ MEDIAN) OR TO THE SURVEY LINES OF THE LOCAL ROADS (SECTION LINES).

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED

DIVISION ENGINEER — DATE

PLANS PREPARED BY
STANLEY ENGINEERING COMPANY
MUSCATINE, IOWA — CHICAGO, ILLINOIS

CONTRACT NO. 23729

FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.- 57	46-1	KANKAKEE	119	2
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

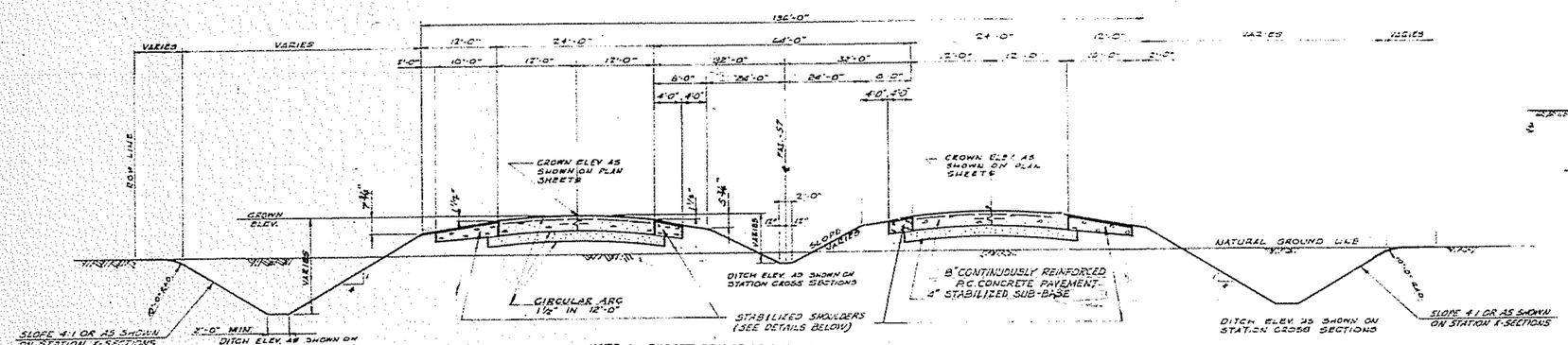
TYPICAL CROSS SECTION (F.A.I.-57)

64' MEDIAN

NO SCALE

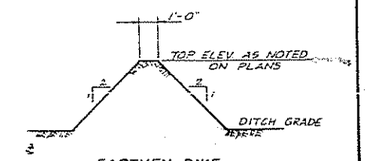
STA 442+00 TO STA 619+00 (NOTE A)

STA 664+00 TO STA 817+00



NOTE A: EXCEPT BRIDGE AT STA 549+60 AND APPROACH SLABS

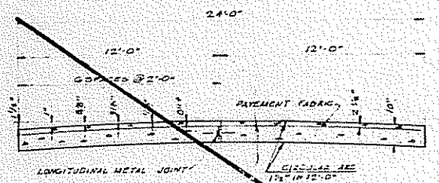
NOTE B: ON CURVE ROTATE SLAB ABOUT CENTERLINE TO OBTAIN STRAIGHT LINE SUPERELEVATION. AMOUNT OF SUPERELEVATION AND LENGTHS OF RUN-OFFS SHOWN ON PLAN SHEETS.



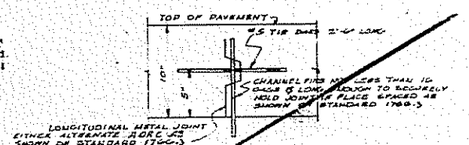
EARTHEN DIKE IN ROADWAY DITCH

NOTES:

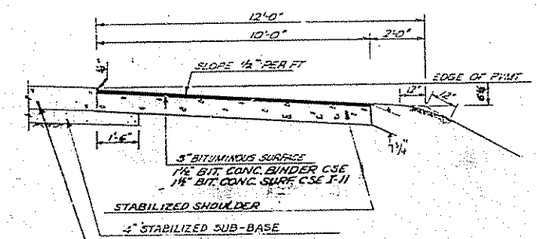
1. THE TYPICAL SECTION SHOWN HERE APPLIES TO F.A.I.-57 THROUGHOUT, THE INTERCHANGE, STA. 613+00 TO STA. 664+00, WITH THE FOLLOWING EXCEPTIONS:
   (a) WHERE AUXILIARY PAVEMENTS (ACCELERATION AND DECELERATION LANES) ABUT F.A.I.-57, TYPICAL RAMP CROSS SECTIONS, SHEET 7A, AND JOINT DETAILS, STA. 3129, APPLY.
   (b) AT THE STRUCTURE, STA. 641+28.35, THE TYPICAL SECTION SHALL BE MODIFIED AS REQUIRED BY STRUCTURAL DRAWINGS.
   (c) WITHIN THE AREA BOUNDED BY THE RAMPS, F.A.I.-57 HAS NO OUTSIDE ROAD DITCHES. SEE STATION CROSS SECTIONS.
2. SHOULDERS AND SIDE SLOPES SHALL BE ROUNDED 12 INCHES IN EACH DIRECTION FROM THE TANGENT INTERSECTION OF THESE SURFACES.
3. JOINT DETAILS AND PAVEMENT REDUCE APPLY TO ALL P.C. CONCRETE PAVEMENTS.



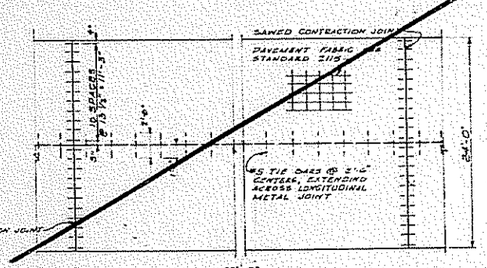
DETAIL OF PAVEMENT CROSS SECTION



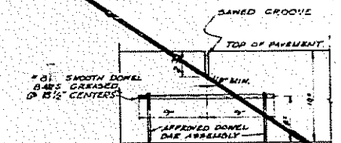
LONGITUDINAL METAL JOINT AND TIE BARS



DETAIL OF OUTSIDE SHOULDER F.A.I. ROUTE 57

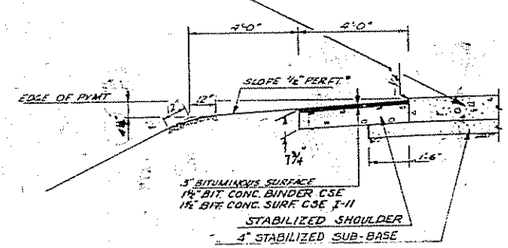


PLAN PORTLAND CEMENT CONCRETE PAVEMENT



SAWED JOINTS SHALL BE SEALED WITH A HOT POURED MATERIAL MEETING THE REQUIREMENTS OF THE TENTATIVE SPECIFICATIONS FOR CONCRETE JOINT SEALER, HOT-POURED ELASTIC TYPE, ASTM DESIGNATION: D 1190-52T, OR SEALED WITH A COLD APPLIED, READY-MIXED CONCRETE JOINT SEALING COMPOUND MEETING THE REQUIREMENTS OF ARTICLE 918.33 A (b).

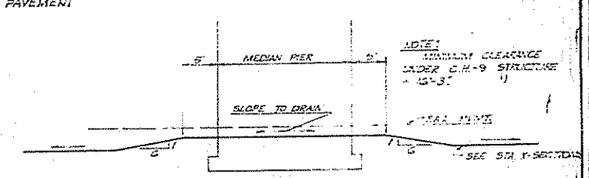
DETAIL OF SAWED CONTRACTION JOINT



8" CONTINUOUSLY REINFORCED P.C. CONCRETE PAVEMENT

* AT MEDIAN PIERS THE MEDIAN CROSS SLOPE SHALL BE BETWEEN ½" PER FT AND ¾" PER FT, TO ASSURE DRAINAGE AND PROVIDE ADEQUATE COVER FOR PIER FOOTINGS.

DETAIL OF MEDIAN SHOULDER F.A.I. ROUTE 57



DETAIL OF MEDIAN DITCH AT STRUCTURE

TYPICAL CROSS SECTION

F.A.I. - 57

SEC. 46-1

AND PAVEMENT DETAILS

NO SCALE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-57	46-1	KANKAKEE	119	4
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

S U M M A R Y O F Q U A N T I T I E S

CONSTRUCTION TYPE CODE 7221

CODE NO.	PAY ITEM	UNIT	TOTAL	KANKAKEE COUNTY STA. 422+00 TO 819+16.5	WILL COUNTY STA. 819+16.5 TO 917+00
010002	TREE REMOVAL (OVER 15 INCH DIAMETER)	IN DIA	65	65	
011001	EARTH EXCAVATION	CU YD	176,030	175,723	307
013001	BORROW EXCAVATION	CU YD	307,733	304,702	3,031
020001	TRENCH BACKFILL	CU YD	81	81	
~~021001~~	~~POROUS GRANULAR BACKFILL~~	~~CU YD~~	~~3956~~	~~3546~~	~~410~~
022001	SUB-BASE---GRANULAR MATERIAL, TYPE 2	TON	7336	7336	
024016	STABILIZED SUB-BASE 4"	SQ YD.	208,862	207,760	1102
~~024~~	~~STABILIZED SUBBASE~~	~~SQ YD~~	~~108577~~	~~108006~~	~~571~~
029001	GRAVEL OR CRUSHED STONE BASE COURSE, TYPE 2	TON	4477	4477	
036001	GRAVEL OR CRUSHED STONE SURFACE COURSE, TYPE 2	TON	3242	3242	
039001	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4914	4914	
039002	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	8934	8934	
039003	COVER COAT AGGREGATE	TON	238	238	
039004	SEAL COAT AGGREGATE	TON	119	119	
046012	BITUMINOUS CONCRETE BINDER COURSE (SHOULDERS)	TON	9120	9072	48
046013	BITUMINOUS CONCRETE SURFACE COURSE SUB-CLASS 1-11 (SHOULDERS)	TON	9120	9072	48
048027	CONTINUOUSLY REINFORCED P.C. CONCRETE PAVEMENT 8"	SQ YD	195654	194675	979
048031	PAVEMENT REINFORCEMENT	SQ YD	195654	194675	979
048012	PORTLAND CEMENT CONCRETE PAVEMENT 164-12-164	SQ YD	473	473	
048018	REMOVING AND REPLACING CURING COVERING	UNIT	40	40	
052003	CLASS A CONCRETE	CU YD	438.9	397.1	41.8
052016	CLASS A CONCRETE, HEADWALLS	CU YD	91.1	91.1	
052021	PROTECTIVE COAT	SQ YD	186127	185148	979
058200	PIPE CULVERT, TYPE 1 18"	LIN FT	26	26	
058202	PIPE CULVERT, TYPE 1 24"	LIN FT	112	112	
058204	PIPE CULVERT, TYPE 1 30"	LIN FT	36	36	
058567	GRANULAR BACKFILL AT CULVERTS	CU YD	2271	2015	256
059001	REINFORCEMENT BARS	POUND	117469	109569	7900
064004	CORRUGATED METAL PIPE ARCH SPAN 36, RISE 22	LIN FT	28	28	
066001	STORM SEWERS, TYPE 1 8"	LIN FT	462	462	
066004	STORM SEWERS, TYPE 1 15"	LIN FT	256	256	
066005	STORM SEWERS, TYPE 1 18"	LIN FT	530	530	
075051	MANHOLES, TYPE A, 4' DIA., TYPE 1 FRAME, CLOSED LID	EACH	1	1	
075111	INLETS	EACH	3	3	
091012	PAVED DITCH, 2 FEET	LIN FT	286	236	50
094001	STEEL PLATE BEAM GUARD RAIL	LIN FT	675	650	25
104001	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	87	85	2
110001	TEMPORARY SEEDING	ACRE	63.1	62.8	0.3
110004	COMPLETE SEEDING	ACRE	63.1	62.8	0.3

CONSTRUCTION TYPE CODE 7221

CODE NO.	PAY ITEM	UNIT	TOTAL	KANKAKEE COUNTY STA. 422+00 TO 819+16.5	WILL COUNTY STA. 819+16.5 TO 917+00
110005	FERTILIZER NUTRIENTS	TON	10.3	10.2	0.1
110092	STRAW FOR ASPHALT-COATED MULCH	TON	252	251	1.0
110093	EMULSIFIED ASPHALT	GALLON	25200	25100	100
110001	SODDING	SQ YD	13805	13805	
110002	SUPPLEMENTAL WATERING	UNIT	58	58	
200351	PERMANENT SURFACE MARKERS TYPE II	EACH	16	16	
Z00893	STABILIZED SHOULDERS	SQ YD	108577	108006	571
201026	WOVEN WIRE FENCE	LIN FT	18259	18259	
Z01356	LUGS	EACH	24	24	
058963	PIPE CULVERTS, TYPE 10, RCCP 24"	LIN FT	1332	1332	
058966	PIPE CULVERTS, TYPE 10, RCCP 36"	LIN FT	310	310	
058965	PIPE CULVERTS, TYPE 2A, RCCP 24"	LIN FT	392	392	
058967	PIPE CULVERTS, TYPE 2A, RCCP 36"	LIN FT	222	222	

I N D E X O F S H E E T S

SHEET	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION, PLAN & ROUTE 57 PAVEMENT AND SHOULDER DETAIL
3	TYPICAL SECTIONS, FRONTAGE ROADS
3A	**CRITICAL PATH SCHEDULE**
4	SUMMARY OF QUANTITIES AND INDEX
5	SCHEDULE OF CLASS A CONCRETE AND DRAINAGE ITEMS
6	QUANTITY SCHEDULES
7	QUANTITY SCHEDULES DETAILS OF BEDDING AND BACKFILLING OF TRENCHES
8-14	PLAN AND PROFILE, STATION 422+00 TO STATION 630+00
15	PLAN AND PROFILE, STATION 630+00 TO STATION 650+00 (N.B.L.)
16-21	PLAN AND PROFILE, STATION 650+00 TO STATION 917+00
22	PLAN AND PROFILE, LOCAL ROAD AT STATION 697+99.50
23	PLAN AND ELEVATION, STRUCTURE AT STATION 697+99.50 (N.B.L.) TYPICAL PAVED DITCH DETAIL
24	BRIDGE END TREATMENT, STATION 549+60
25-34	REINFORCED CONCRETE BOX CULVERT DESIGNS
35-77	STATION CROSS SECTIONS, STATION 422+00 TO STATION 819+00
78-109	STATION CROSS SECTIONS, STATION 864+00 TO STATION 917+00
110	STATION CROSS SECTIONS, STATION 2699+00 TO STATION 2704+00, FRONTAGE ROAD
111	STATION CROSS SECTIONS, STATION 2748+00 TO STATION 2754+00 FRONTAGE ROAD
112	STANDARDS 1656-2 1690
113	STANDARDS 1972-1 2114 2153-4
114	STANDARDS 1516-5 1527-2 1358
115	STANDARDS 1976 935 1971-3
116	STANDARDS 2051
117	STANDARDS 1687-4 1744-1 2135
118	STANDARDS 2138-2
119	STANDARDS 2169-1
119-E	DETAILS FOR TIE STEEL ASSEMBLIES
119-A	DESIGN OF CONSTRUCTION JOINT FOR CONTINUOUSLY REINFORCED P.C. CONCRETE PAVEMENT 8"
119-B	DETAILS FOR END ANCHORAGE
119-C	DETAILS FOR PAVEMENT REINFORCING BARS
119-D	DETAILS FOR PAVEMENT FABRIC, SPECIAL

* THESE DRAWINGS INCLUDED FOR INFORMATION ONLY

THREE(3) SIGNS CONFORMING TO STANDARD 2153-4 SHALL BE ERECTED AT LOCATIONS SHOWN ON SHEET NO. 8, 11, & 21

SUMMARY OF QUANTITIES & INDEX

F.A.I. -57 SEC. 46-1

KANKAKEE COUNTY

Related Remarks for Box Culverts

FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.- 57	46-1	KANKAKEE	113	5
FED ROAD DIST. No.7	ILLINOIS	PROJ.		

CLASS X CONCRETE & DRAINAGE ITEMS

SIDE	STATION	STANDARD AND DESIGN NUMBER	REMARKS	CLASS X CONCRETE CU. YDS.	CLASS X CONCRETE (HEADWALLS) CU. YDS.	REINFORCEMENT BARS LBS.	PIPE CULVERTS TYPE 1A 24" LIN. FT.	PIPE CULVERTS TYPE 1A 36" LIN. FT.	PIPE CULVERTS TYPE 2A 24" LIN. FT.	PIPE CULVERTS TYPE 2A 36" LIN. FT.	PIPE CULVERTS TYPE 1 18" LIN. FT.	PIPE CULVERTS TYPE 1 24" LIN. FT.	PIPE CULVERTS TYPE 1 30" LIN. FT.	POROUS GRANULAR BACKFILL (AT CULV.) CU. YDS.	STORM SEWERS TYPE 1 8" LIN. FT.	STORM SEWERS TYPE 1 15" LIN. FT.	STORM SEWERS TYPE 1 18" LIN. FT.	TRENCH BACKFILL CU. YDS.	CORR. METAL PIPE ARCH, SPAN 36", RISE 22" LIN. FT.	INLET STANDARD 1258R	MANHOLE 4' DIA TYPE 1 FRAME CL. LID
LT.	480+50	(2) 1976 D24-2			2.0	70			70												
	499+00	(2) 2051 D36-2, 45°			7.4	200			222												
LT	441+00	(2) 1976 D24-2			2.0	70															
LT	452+00	(2) 1976 D24-2			2.0	70			64												
LT	463+00	(2) 1976 D24-2			2.0	70			52												
									54												
LT.	473+00	(2) 1976 D24-2			2.0	70			58												
LT & RT.	474+73±	(4) 1976 D36-2			7.0	200															
LT	482+00	(2) 1976 D24-2			2.0	70			52												
	484+15±																				
	484+70	2022R, 25°	3x2 RCB	108.0		22,380								376		256		30			
LT.	488+00	(2) 1976 D24-2			2.0	70			62												
	501+00																				
LT.	502+00	(2) 1976 D24-2			2.0	70			52								232	12			
	504+35	2020 R	3x2 RCB	38.9		2,030								216							
LT.	506+00	(2) 1976 D24-2			2.0	70			50												
LT.	524+00	(2) 1976 D24-2			2.0	70			64												
	527+30	2051 D36-2, 15°			4.7	130			192												
	542+00	1258 R	INLET																		
LT.	542+00	(1) 1976 D24-2			1.0	35			54												
	549+00	(4) 2138, 20°	APR. SLABS			30,932															
	549+60	(4) 2138, 20°	PILE CAPS	7.1		2,452															
	558+00	1258R	INLET		1.0	95			86												
LT.	558+00	(1) 1976 D24-2																			
	547+00	1258 R	INLET																		
LT.	567+00	(1) 1976 D24-2			1.0	35			84												
LT	577+00	(2) 1976 D24-2			2.0	70			68												
LT.	591+00	(2) 1976 D24-2			2.0	70															
LT.	605+00	(2) 1976 D24-2			2.0	70			54												
LT.	625+00	(2) 1976 D24-2			2.0	70			52												
LT.	672+00	(2) 1976 D24-2			2.0	70			62												
	674+00	2020 R	3x2 RCB	40.7		7,370															
RT	675+00±																				
	677+15±																				
LT	682+00	(2) 1976 D24-2			2.0	70			56												
RT.	701+00	(2) 1976 D24-2			2.0	70			50												
	704+00	2020 R	3x2 RCB	38.0		7,030															
RT.	705+00	(2) 1976 D24-2			2.0	70			60												
	707+00	(2) 1976 D30-2			2.6	80															
	718+00	2020 R	3x2 RCB	38.0		6,860															
	2716+00	(2) 1976 D24-2			2.0	70			56												
RT.	719+00	(2) 1976 D24-2			2.0	70															
LT.	2736+50								120												
LT & RT.	730+00	(4) 1976 D24-2			4.0	140															
	2730+00	(2) 1976 D24-2			2.0	70															
LT.	745+00	(2) 1976 D24-2			2.0	70			52												
	4754+00	(2) 1976 D24-2	MODIFIED	21.0	2.8	70															
RT.	755+34	2021R, 20°	4x3 RCB	21.4		3,700															
LT.	755+02	2021R, 20°	4x3 RCB			3,770															
LT & RT.	767+50	(4) 1976 D24-2			4.0	140			94												
LT	770+50	(2) 1976 D24-2			2.0	70			54												
	791+50	2021 R, 20°	3x2 RCB	41.2		7,460															
	791+61																				
LT.	792+50	(2) 1976 D24-2			2.0	70			52												
	803+50	(2) 2051 D36-2, 25°			5.6	150			158												
LT.	805+00	(2) 1976 D24-2			2.0	70			62												
	814+44	2021R, 20°	3x2 RCB	41.8		7,610															
	818+88	2021R, 20°	3x2 RCB	41.8		7,900															
SUB-TOTAL		CLASS X CONCRETE		438.9		114,504															
SUB-TOTAL		CLASS X CONCRETE, HEADWALLS			91.1	2,965															
TOTALS				530		117,469	1432	310	392	222	26	112	36	2271	462	256	530	81	28	3	1

CLASS X CONCRETE & DRAINAGE ITEMS

F.A.I.-57. SEC. 46-1

KANKAKEE COUNTY

ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	[illegible]	3
FED. ROAD DIST. No. 7	ILLINOIS	PROJ.		

P.C.C. PAVEMENT QUANTITIES

F.A.I.-57 LANES	STATION	TO STATION	4" STABILIZED SUB-BASE SQ. YDS.	P.C.C. PAVEMENT SQ. YDS.	P.C.C. PAVEMENT 16½-12-16½ SQ. YDS.	SHOULDERS BIT. CONC. BIND. CSE TONS	SHOULDERS BIT. CONC. SURF. CSE (I-11) TONS	STABILIZED SHOULDERS SQ. YD.
N.B. & S.B.	422+00	508+93.45	52,161	46,365		2272	2272	27047
N.B.	508+93.45	530+44.28	6453	5,691		277	277	3296
S.B.	508+93.45	530+44.28	6,453	5,780		285	285	3396
N.B.	530+44.28	549+25.48	5511	4,896	118.3	246	246	2926
S.B.	530+44.28	548+93.44	5414	4,813	118.3	242	242	2877
N.B.	550+26.56	619+00	20,487	18,211	118.3	898	898	10692
S.B.	549+94.52	619+00	20,583	18,296	118.3	902	902	10742
N.B. & S.B.	664+00	817+00	91,800	81,600		3998	3998	47601
		TOTALS	202,862	185,654*	473.2	9120	9120	108,577

* CONTINUOUSY REINFORCED P.C. CONCRETE PAVEMENT

FRONTAGE ROAD SURFACING AND A-3 QUANTITIES

LOCATION	STATION	TO STATION	GRAVEL OR CR. STONE SURF. CSE TYPE A THICK.	TONS	GRAVEL OR CR. STONE BASE CSE TYPE A THICK.	TONS	SUB-BASE GRAN. MATLS. TYPE A THICK.	TONS	FINAL SURFACE SQ. YDS.	A-3 SURFACE TREATMENT BITUMINOUS MATERIALS PRIME COAT GAL.	C&S COAT GAL.	COVER COAT GAL.	AGGREGATE COVER COAT TONS	SEAL COAT TONS
IN SEC 21	2590+05	2619+00	7"	2565			4"	1,466	6,434					
IN SEC 9	2697+00	2722+00			6"	1921	6"	1921	5111	2109	3833		102	51
	2722+00	2752+61			6"	2556	8"	3409	6802	2805	5101		136	68
IN SEC 10	4742+10.75	4755+43.6	5"	475			4"	540	2,570					
		TOTALS		3,240		4477		7336	20,717	4914	8934		238	119

STEEL PLATE BEAM GUARD RAIL

STATION	TO STATION	SIDE	LIN. FT.
474+22	474+59.5	RT.	37.5
474+87	475+24.5	LT.	37.5
527+94	528+31.5	RT.	37.5
528+10.5	528+48.0	LT.	37.5
549+60	AT BRIDGE		200.0
598+00		LT.	37.5
697+76	698+13.5	RT.	37.5
697+85.5	698+23	LT.	37.5
754+96		WEST	62.5
754+96		EAST	75.0
814+93	815+30.5	RT.	37.5
815+03.5	815+41	LT.	37.5
	TOTAL		675.0

FURNISHING AND ERECTING R.O.W. MARKERS

STATION	TO STATION	EACH
422+00	474+71	15
474+71	528+12	14
528+12	592+00	14
592+00	619+00	5
664+00	698+00	10
698+00	754+96	15
754+93	817+00	14
	TOTAL	87

SURVEY MARKERS TYPE 2

STATION	STATION
430+62	604+88
462+10	673+90
493+00	697+66.85
P.C. 508+93.45	703+90
P.I. 519+81.75	726+00
P.T. 530+44.28	754+95.95
548+55	775+00
564+61.1	803+60
TOTAL 16 EACH	

PAVED DITCH

AT LOCAL ROAD OVERPASSES (SEE DETAIL, SHT. 23)

STRUCTURE STATION	QUADRANT	ESTIMATED LENGTH LIN. FT.
474+73.50	NW	45
	NE	45
528+21.00	NW	31
	SE	30
697+99.50	NW	25
	SE	25
815+16.50	NW	50
	SE	35
	TOTAL	286

EARTHWORK SUMMARY

STATION	TO STATION	EARTH EXCAV. CU. YDS.	EMBANKMENT CU. YDS.	BORROW CU. YDS.	OVERHAUL CU. YD.-STA.
422+00	549+09.5	60,670	160,974	140,547	3058
550+09.5	619+25	53,114	87,879	31,735	551,561
663+75	817+25	62,246	158,159	135,451	3667
	TOTALS	176,030	387,012	307,733	558,285

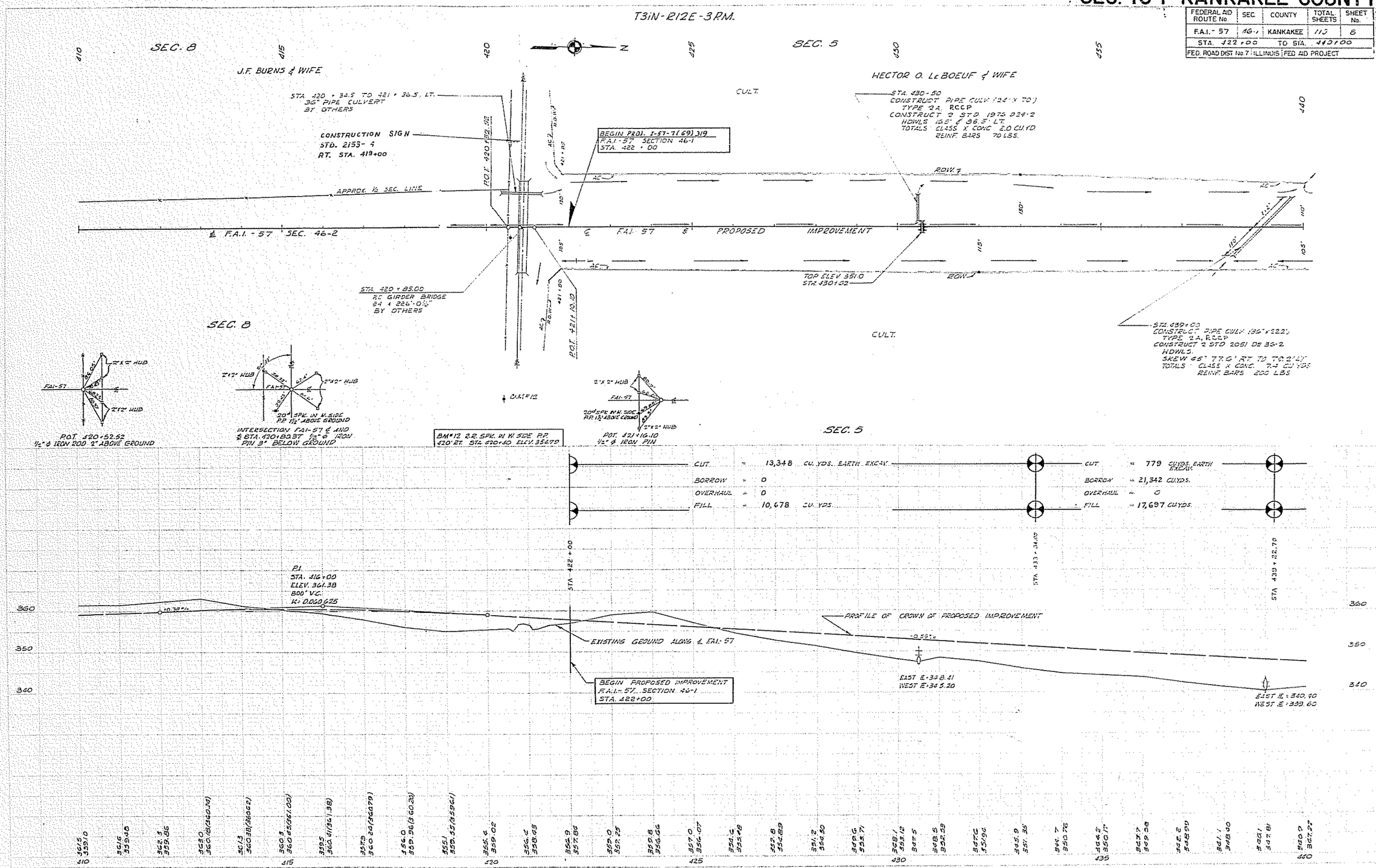
TABLE OF WOVEN WIRE FENCE

STATION	LIN. FT.
100' LT. STA 447+31 TO 113' LT STA 474+58	2729
105 RT STA 447+26 TO 113' RT STA	2733
110' LT STA 473+30 TO 25' RT STA 1468+00 (SIDE ROAD)	563
105 RT. STA 473+30 TO 25' RT STA 1468+00 (SIDE ROAD)	627
79.15 LT. STA 1475+75.85 (SIDE ROAD) TO 35' LT. STA 1482+00 (SIDE ROAD)	626
113' RT. STA 474+88 TO 100' RT STA 501+30	2642
110' LT. STA 664+00 TO 115' LT STA 684+02	2002
110' RT. STA 664+00 TO 110' RT STA 684+84	2086
115 LT STA 725+84 TO 30' LT STA 1752+71 (FRONTAGE ROAD)	2649
100 RT STA 726+30 TO 100' RT STA 742+86	1606
TOTAL	18258

QUANTITY SCHEDULES
F.A.I.-57, SEC. 46-1
KANKAKEE COUNTY

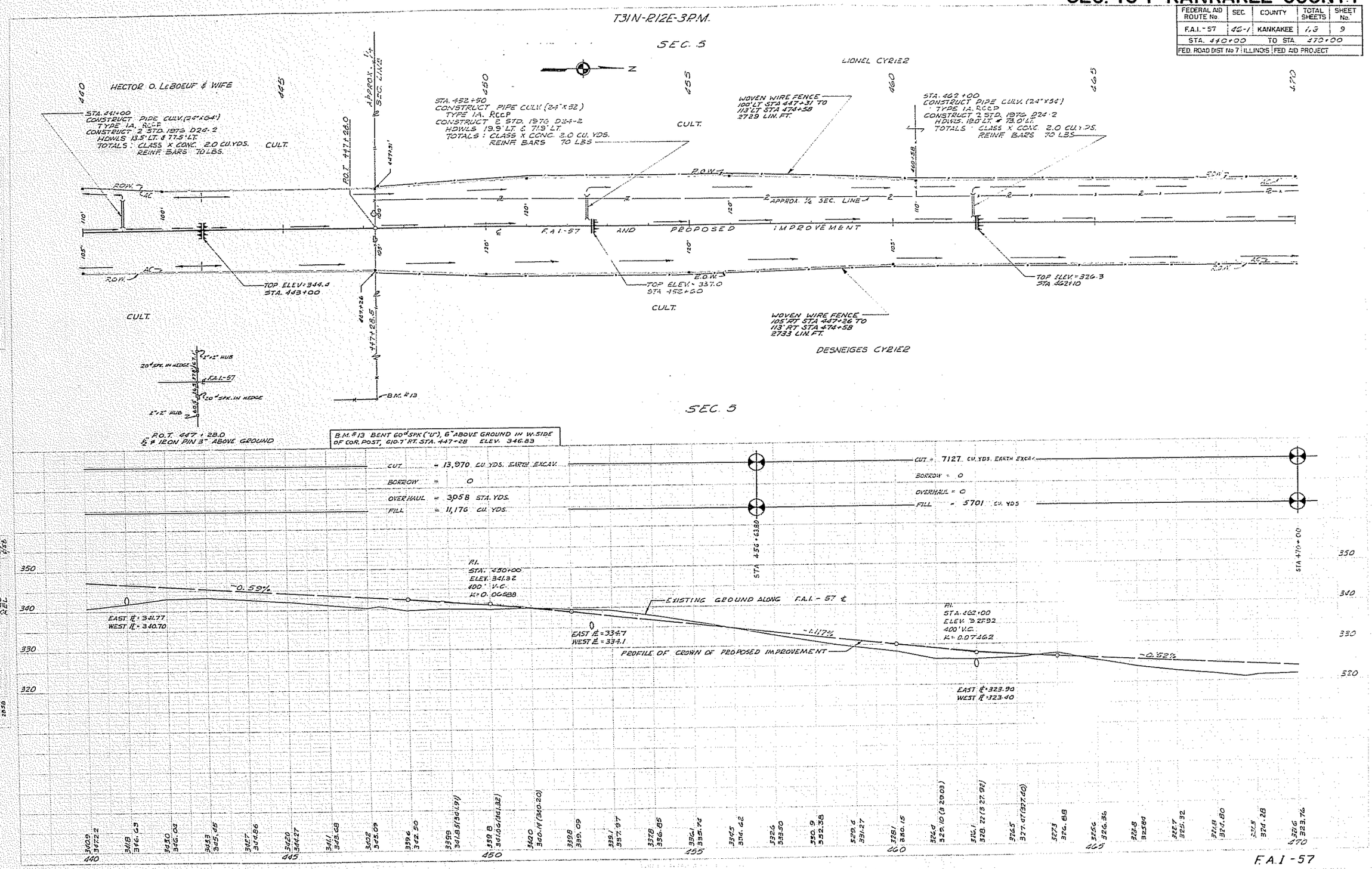
SEC. 46-1 KANKAKEE COUNTY

FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.- 57	46-1	KANKAKEE	115	8
STA. 422+00		TO STA. 440+00		
FED. ROAD DIST No. 7	ILLINOIS	FED. AID PROJECT		



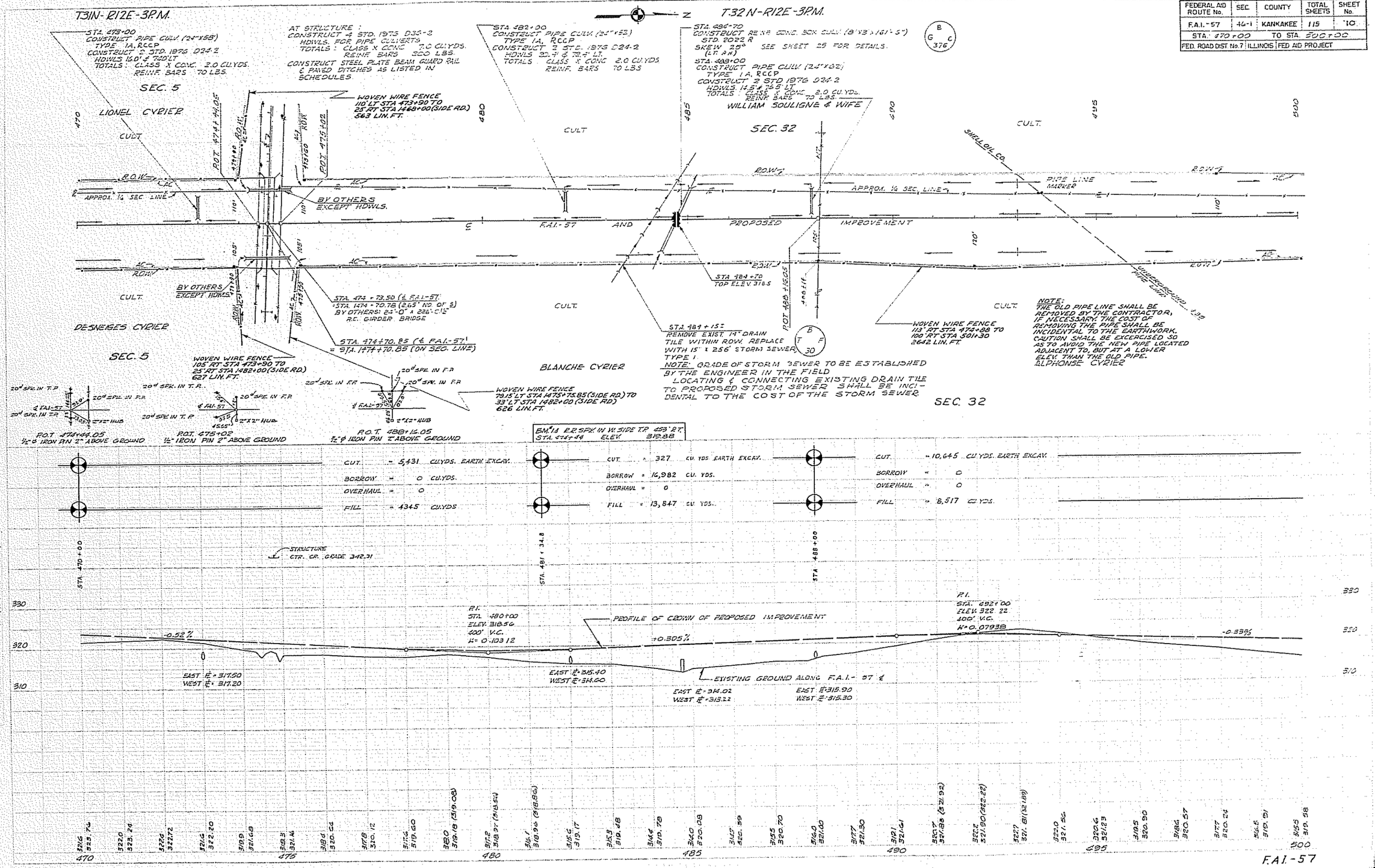
SEC. 46-1 KANKAKEE COUNTY

FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	13	9
STA. 440+00		TO STA. 470+00		
FED. ROAD DIST No 7	ILLINOIS	FED. AID PROJECT		



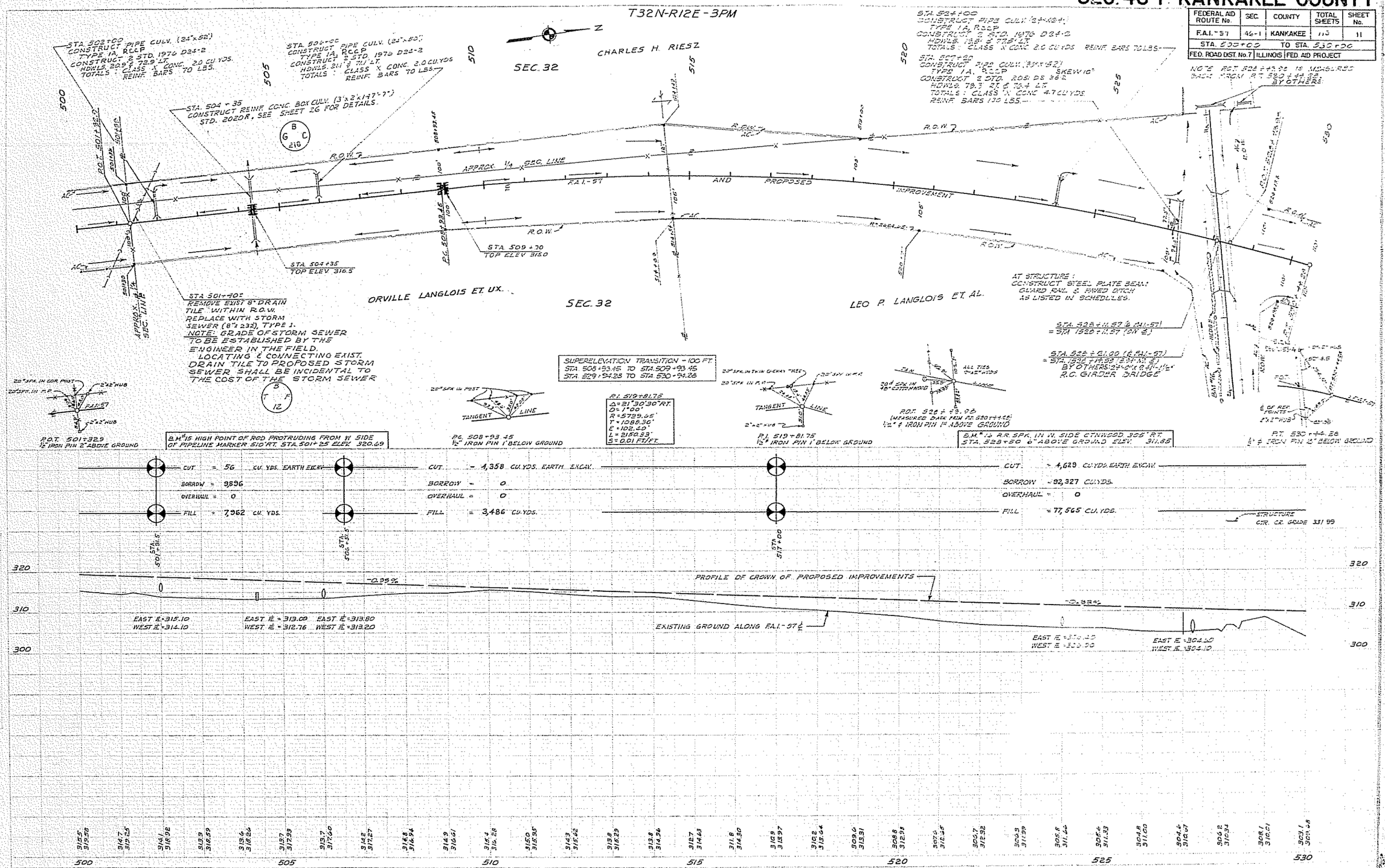
SEC. 46-1 KANKAKEE COUNTY

FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	115	10
STA. 470+00		TO STA. 500+00		
FED. ROAD DIST. No. 7	ILLINOIS	FED. AID PROJECT		



SEC. 46-1 KANKAKEE COUNTY

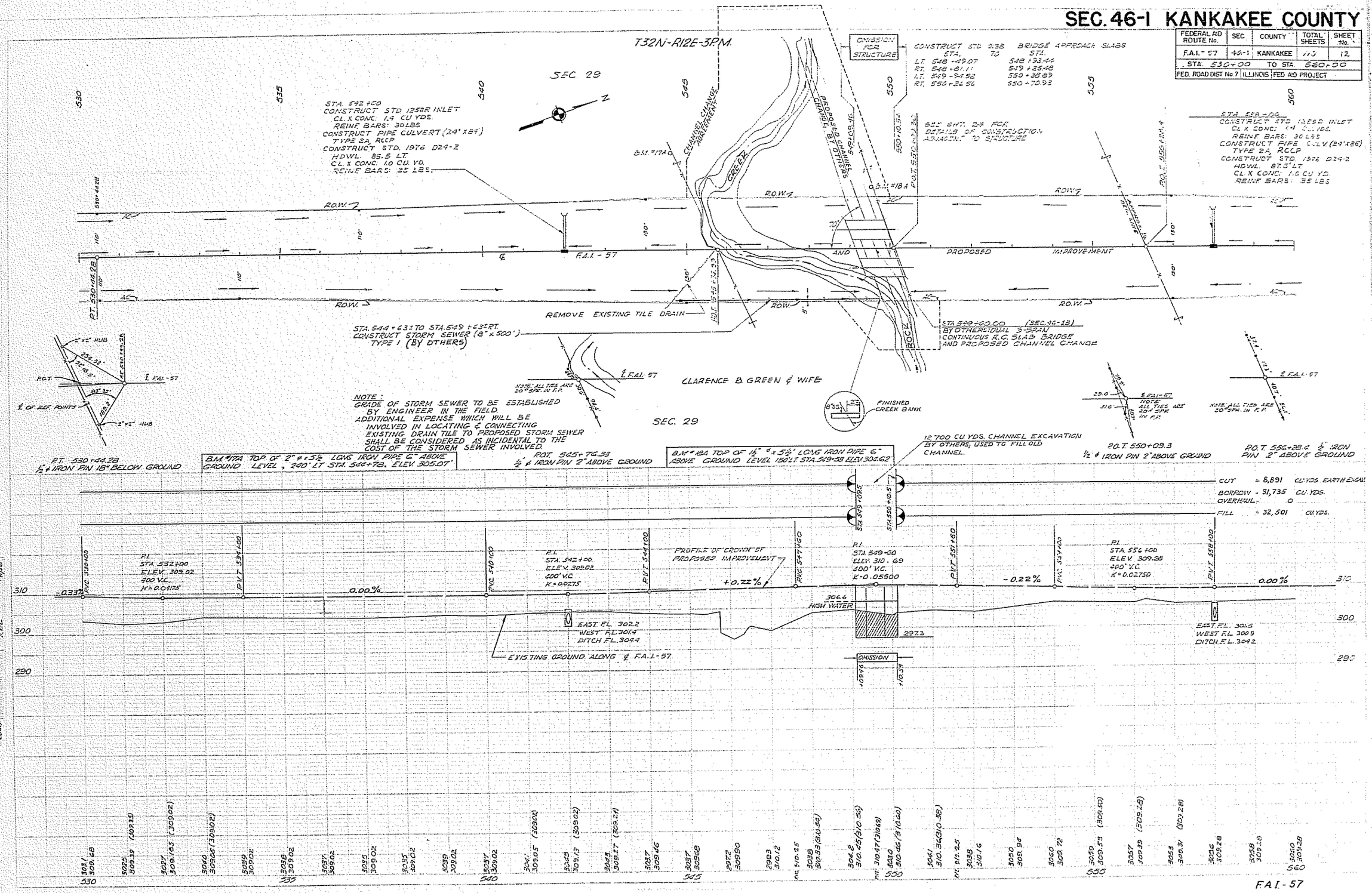
FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	115	11
STA. 503+00 TO STA. 530+26				
FED. ROAD DIST. No. 7	ILLINOIS	FED. AID PROJECT		



F.A.I.-57

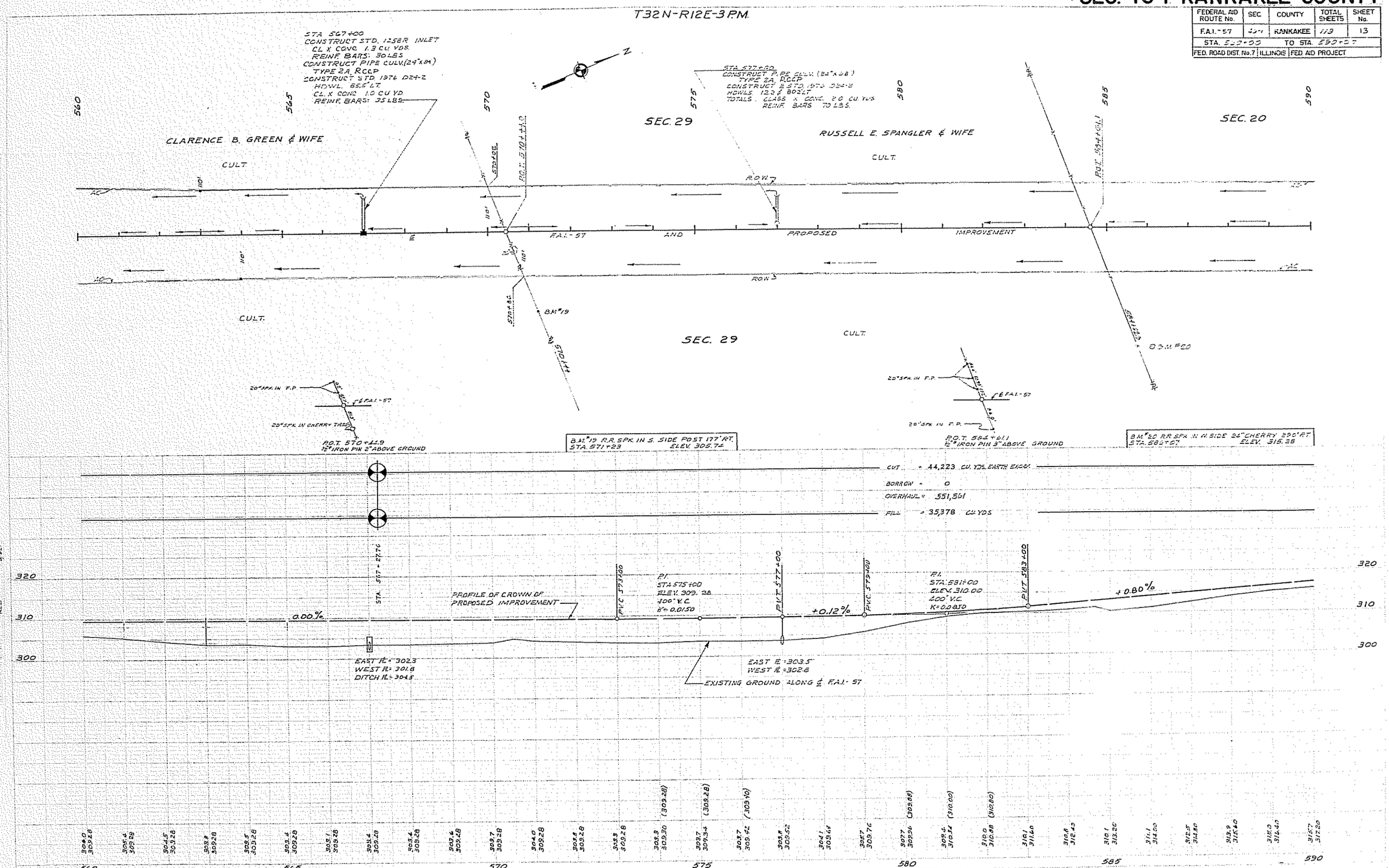
SEC. 46-1 KANKAKEE COUNTY

FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	115	12
STA. 530+00	TO STA. 560+00			
FED. ROAD DIST No. 7	ILLINOIS	FED AID PROJECT		



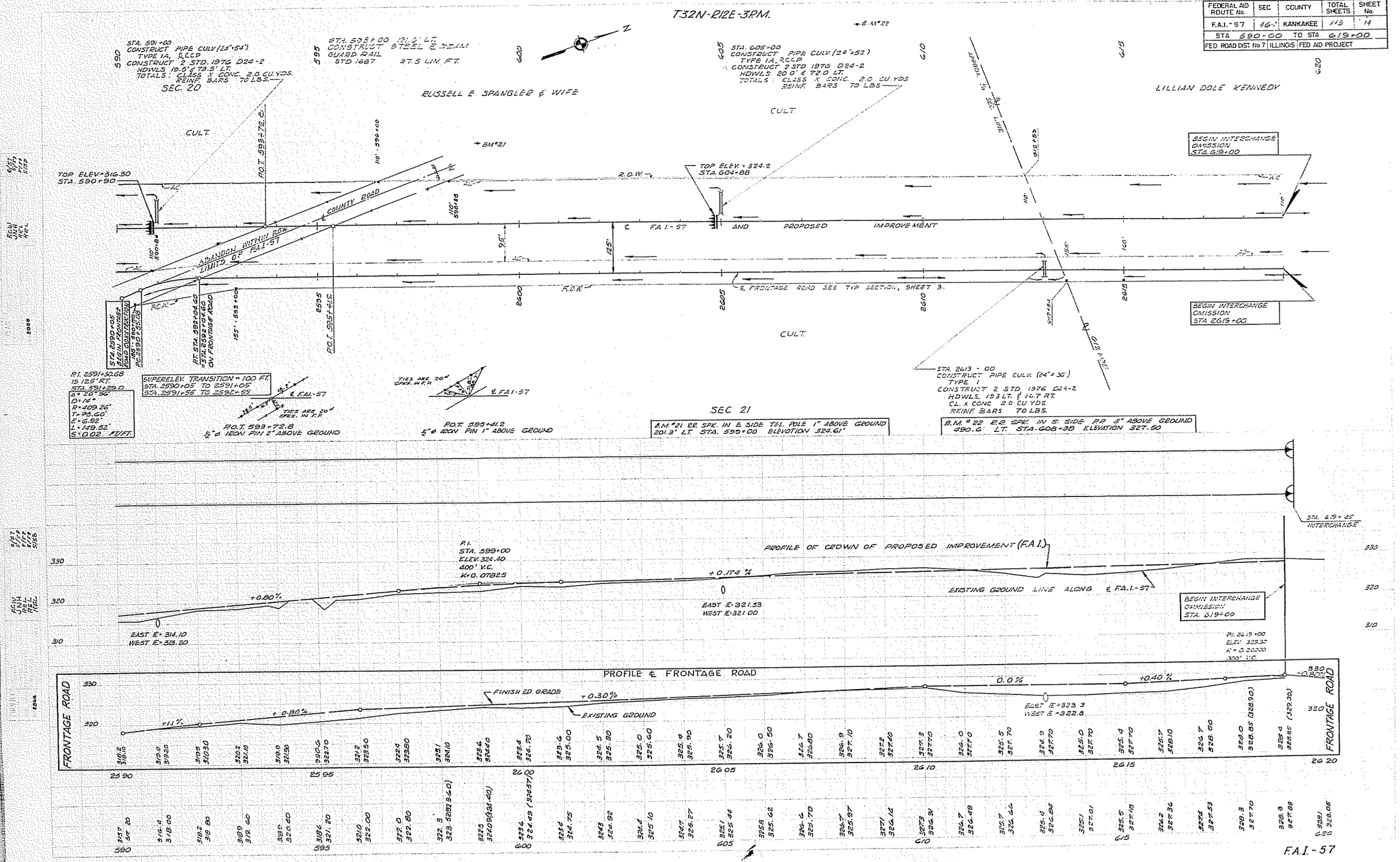
SEC. 46-1 KANKAKEE COUNTY

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	113	13
STA. 560+00		TO STA. 590+27		
FED. ROAD DIST. No. 7	ILLINOIS	FED. AID PROJECT		



SEC. 46-1 KANKAKEE COUNTY

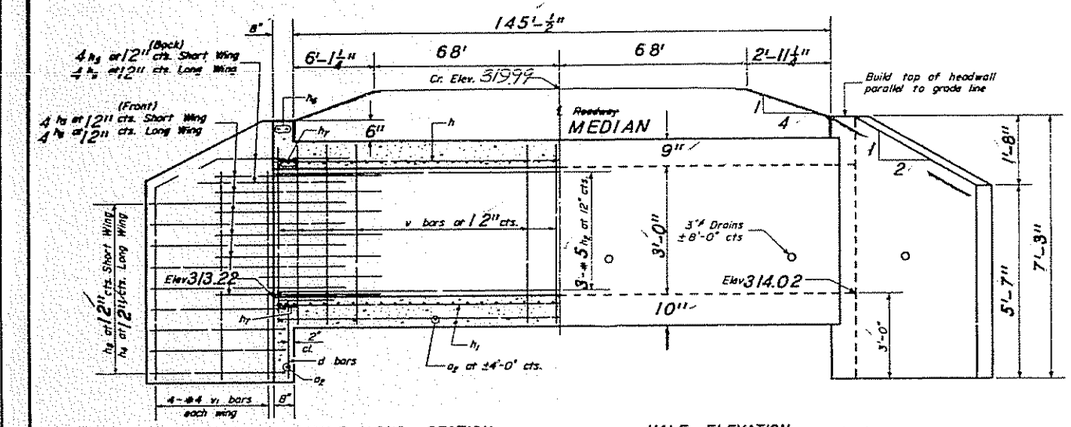
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	115	14
STA 590-00 TO STA 619+00				
FED. ROAD DIST. No. 7	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Route No.	Section	County	Total Sheets	Sheet No.
57	46-1	KANKAKEE	119	25

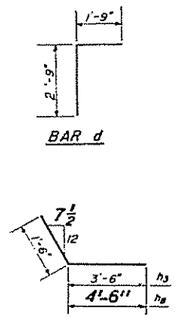
SHEET NO.
SHEETS

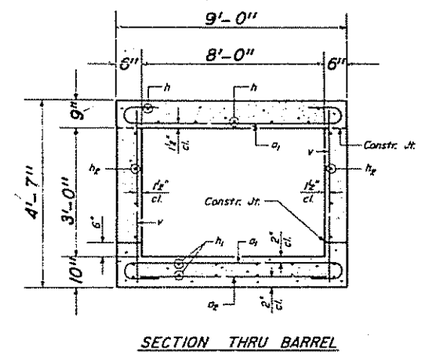


HALF LONG. SECTION

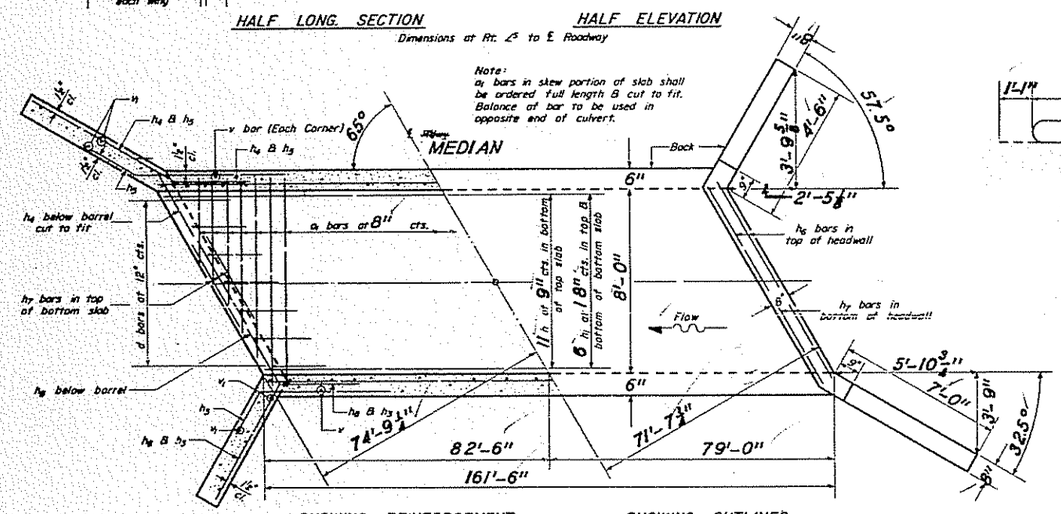
HALF ELEVATION

Dimensions at Rt. ∠s to ℄ Roadway





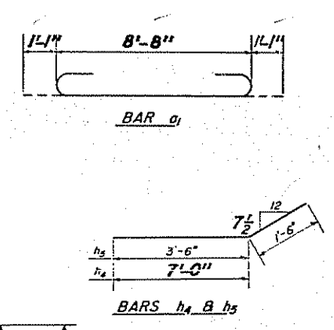
SECTION THRU BARREL



SHOWING REINFORCEMENT

SHOWING OUTLINES

PLAN



BILL OF MATERIAL

Bar	No.	Size	Length
a1	486	#8	10'-10"
a2	43	#4	8'-3"
d	18	#4	4'-6"
h	78	#6	28'-0"
h1	72	#5	28'-0"
h7	36	#5	28'-0"
h3	16	#4	5'-0"
h4	12	#6	8'-6"
h5	16	#6	5'-0"
h8	4	#5	9'-6"
h7	12	#6	9'-6"
h9	12	#4	6'-0"
v	328	#4	4'-3"
v1	16	#4	6'-0"
Class X Concrete		Cu. Yds.	1080
Reinforcement Bars		Lbs.	22,390

GENERAL NOTES

Class X Concrete shall be used throughout.
At least six feet of Barrel shall be poured monolithically with wingwalls.
Exposed edges shall be beveled ¾".
For backfilling & embankments see St'd. Spec's.
Tilt hook of "a1" bars, if necessary, to obtain ½" minimum clearance at top of hook.
The top of the culvert, the backs of the sidewalls above the lower construction joint and the backs of the wings shall be waterproofed in accordance with Art. 51.21 of the St'd. Spec's.
All bars shall be lapped 20 diameters unless otherwise specified.

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

May 29 1964
EXAMINED
PASSED
APPROVED

fs = 20,000 psi.
fc = 1400 psi. Barrel
fc = 1200 psi. Wings
v = 90 psi.
n = 10

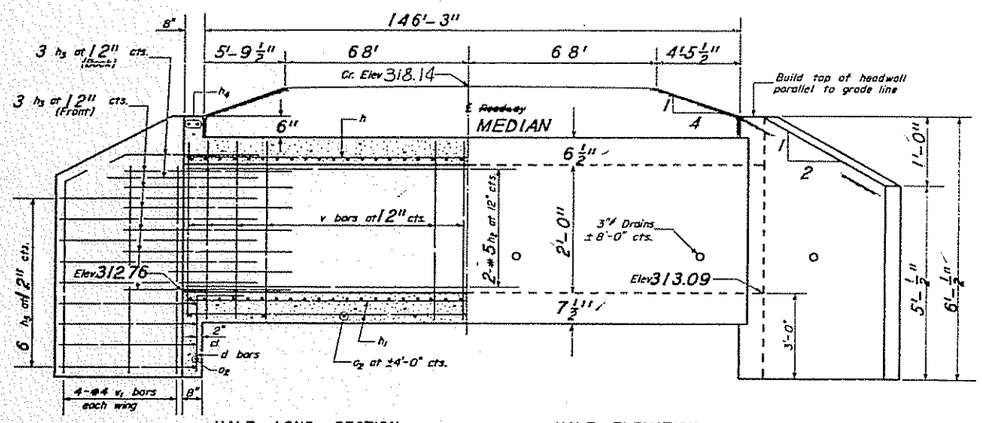
LOADING H20-S16

FAI RT 57
SECTION 46-1
KANKAKEE COUNTY
STA 484+70

STANDARD 2022R

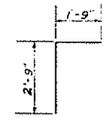
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

57	46-1	KANKAKEE	119	26	SHEET NO. / SHEETS

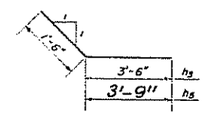


HALF LONG. SECTION

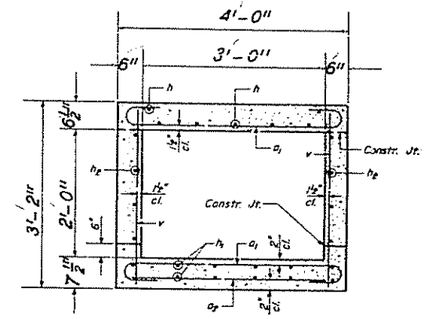
HALF ELEVATION



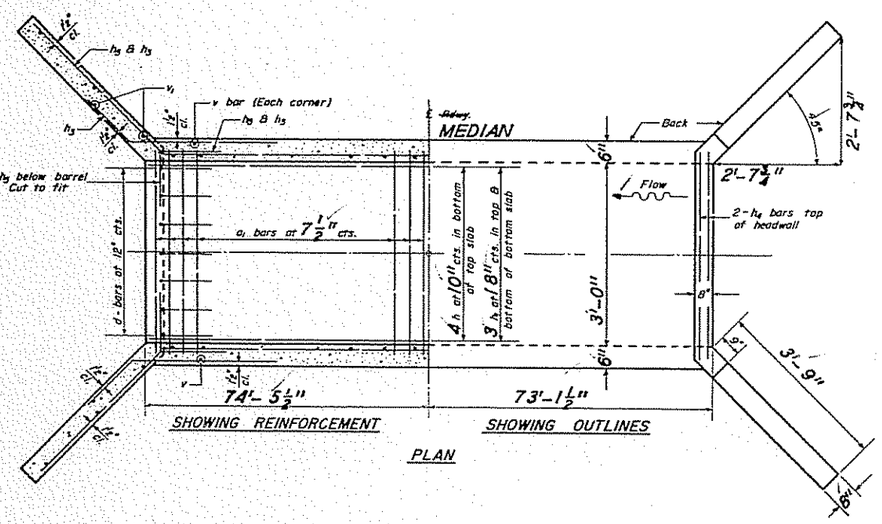
BAR d



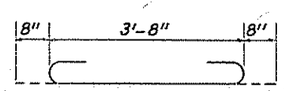
BARS h5 & h5



SECTION THRU BARREL



PLAN



BAR a1

BILL OF MATERIAL

Bar	No.	Size	Length
a1	474	#6	5'-0"
a2	40	#4	3'-3"
d	8	#4	4'-6"
h	30	#5	30'-6"
h1	30	#5	30'-6"
h2	20	#5	30'-6"
h3	24	#4	5'-0"
h4	4	#6	3'-9"
h5	24	#4	5'-3"
v	302	#4	2'-10"
v1	16	#4	5'-0"
Class X Concrete		Cu. Yds.	38.9
Reinforcement Bars		Lbs.	7030

GENERAL NOTES

Class X Concrete shall be used throughout.
At least six feet of Barrel shall be poured monolithically with wingwalls.
Exposed edges shall be beveled ¾".
For backfilling @ embankments see St'd. Spec's.
Tilt hook of a1 bars, if necessary, to obtain 1½" minimum clearance at top of hook.
The top of the culvert, the backs of the sidewalls above the lower construction joint and the backs of the wings shall be waterproofed in accordance with Art. 51.21 of the St'd. Spec's.
All bars shall be lapped 20 diameters unless otherwise specified.

fs = 20,000 psi.
fc = 1400 psi. Barrel
fc = 1200 psi. Wings
v = 90 psi.
n = 10

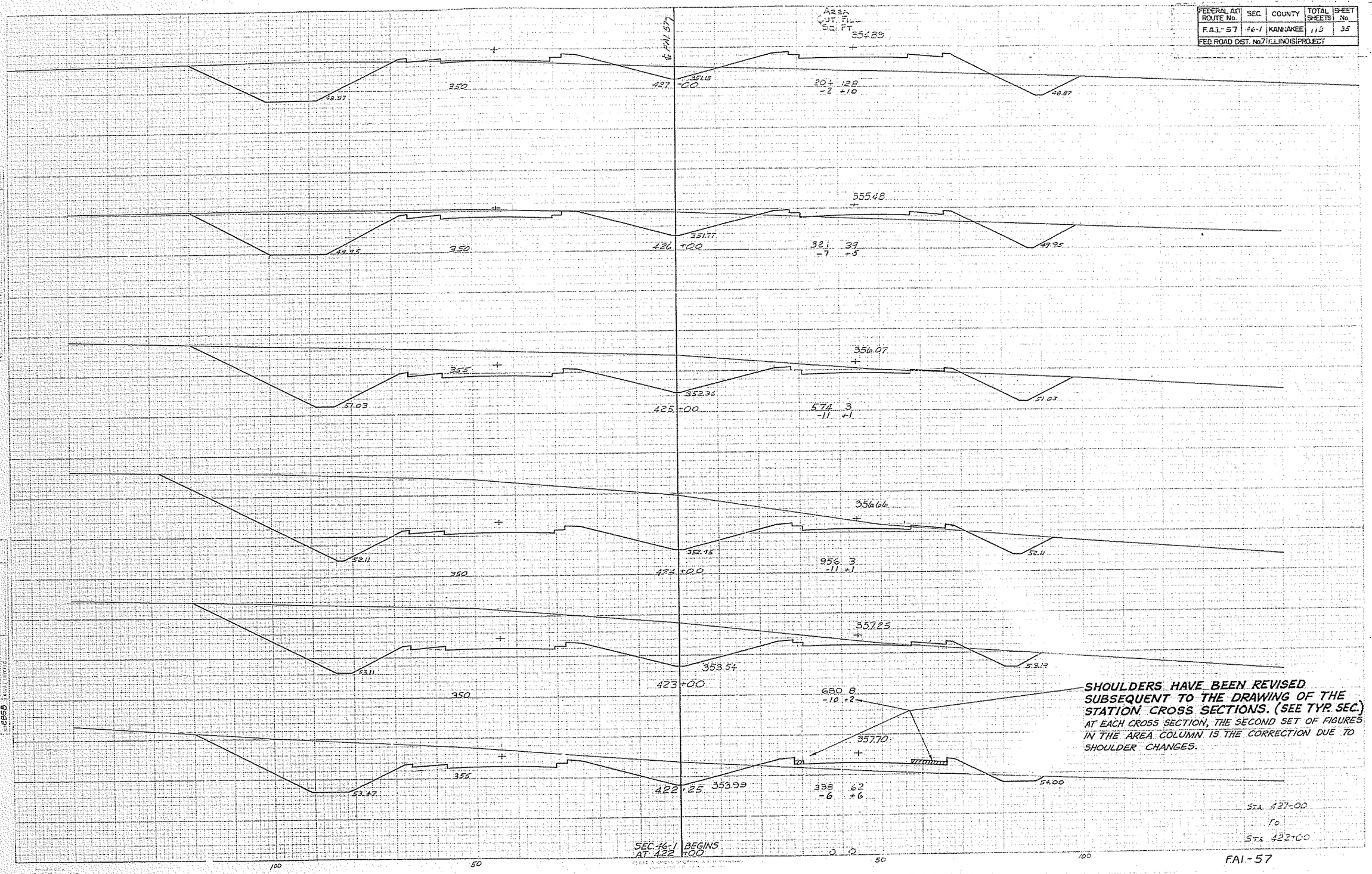
LOADING H20-S16

DESIGNED	May 29 1964
CHECKED	
DRAWN	
CHECKED	
EXAMINED	
PASSED	
APPROVED	

FAI RT 57
SECTION 46-1
KANKAKEE COUNTY
STA 504+35

STANDARD 2020R

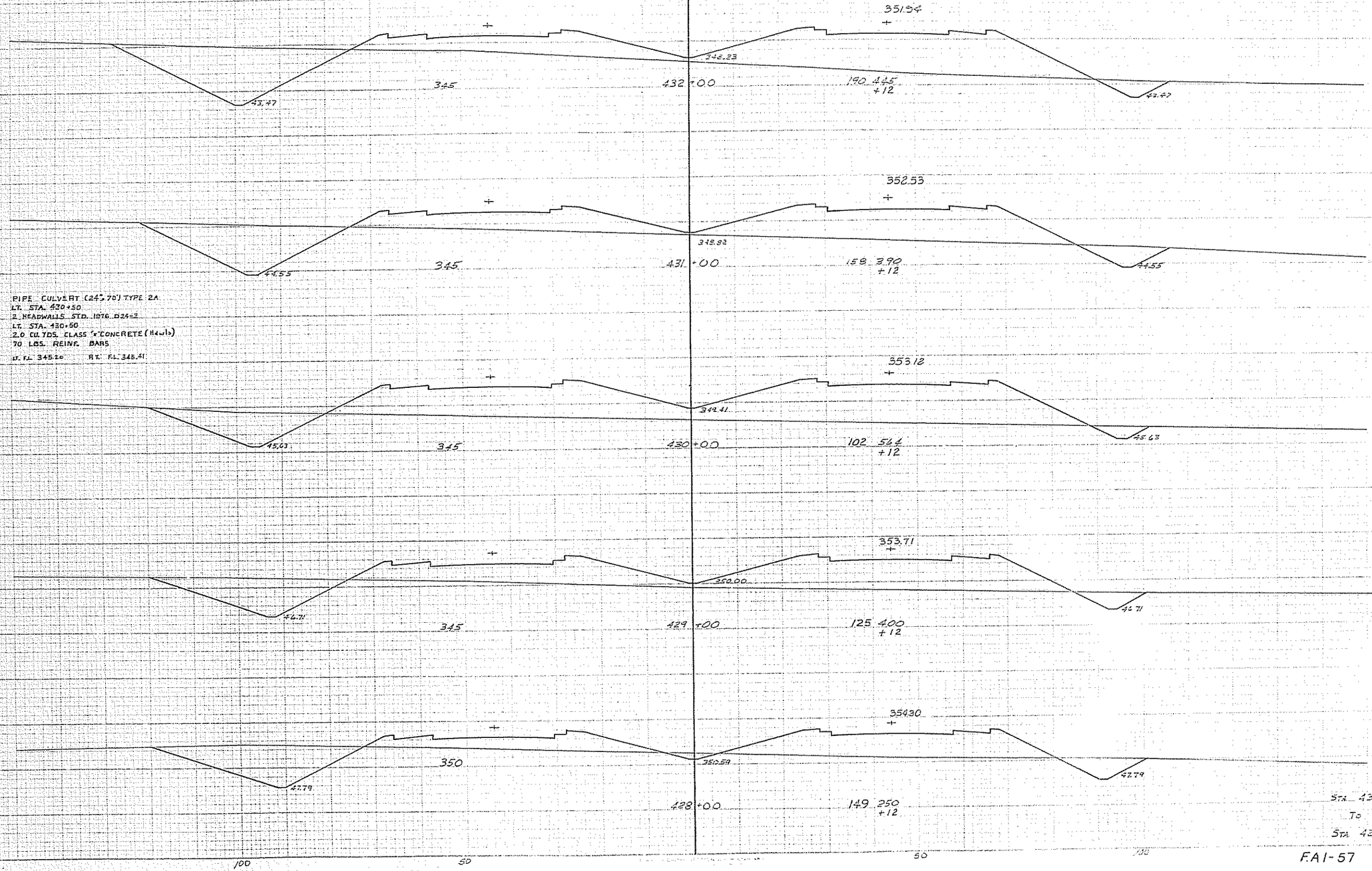
FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	113	35
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	43-1	KANKAKEE	113	36
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

AREA
CUT FILL
SQ. FT.

℄ FAI-57

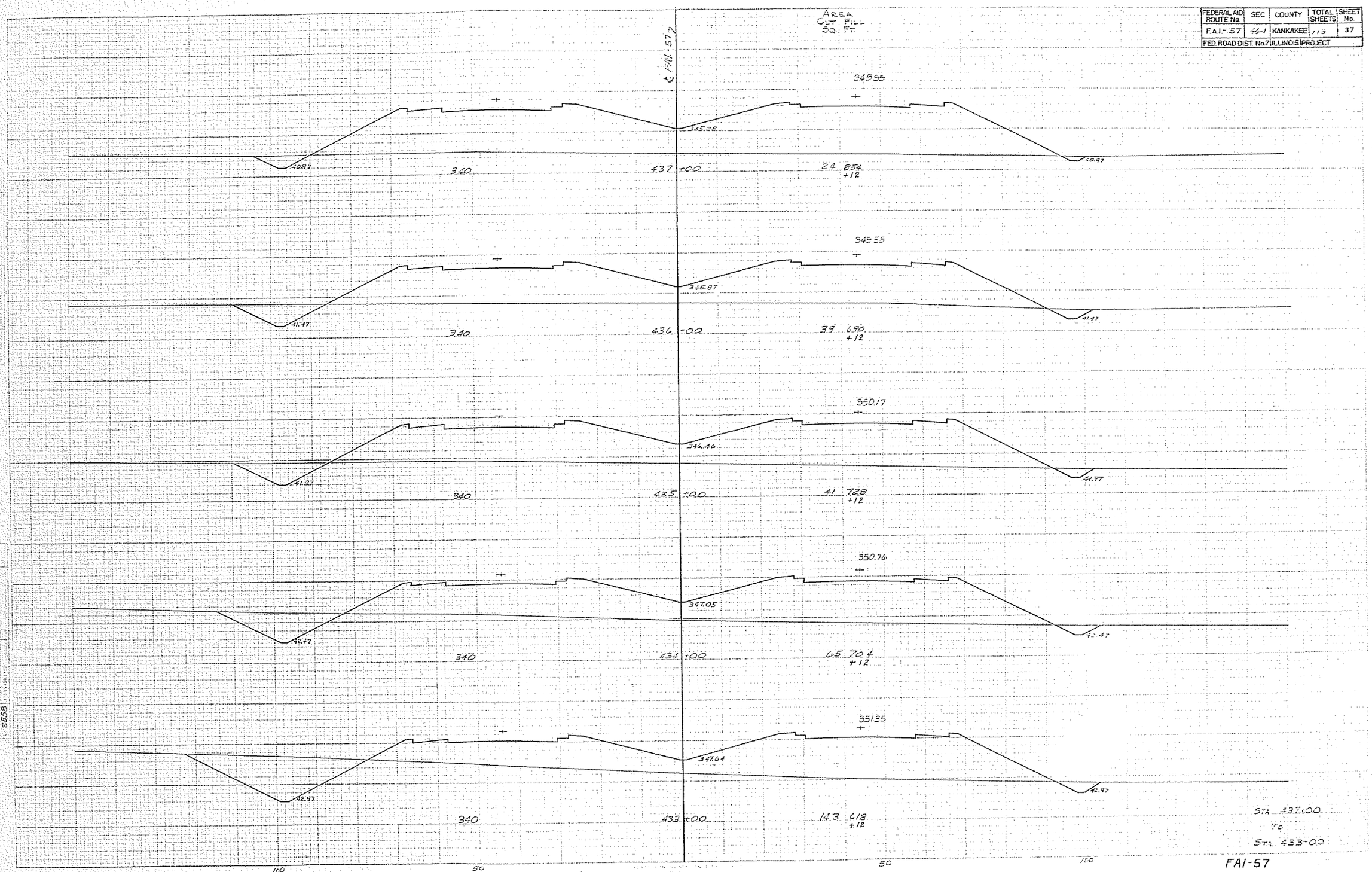


PIPE CULVERT (24", 70') TYPE 2A
LT. STA. 430+50
2 HEADWALLS STD. 1976 B24-2
LT. STA. 430+50
2.0 CU. YDS. CLASS "X" CONCRETE (Hdwls.)
70 LBS. REINF. BARS
LT. F.L. 345.20 RT. F.L. 345.41

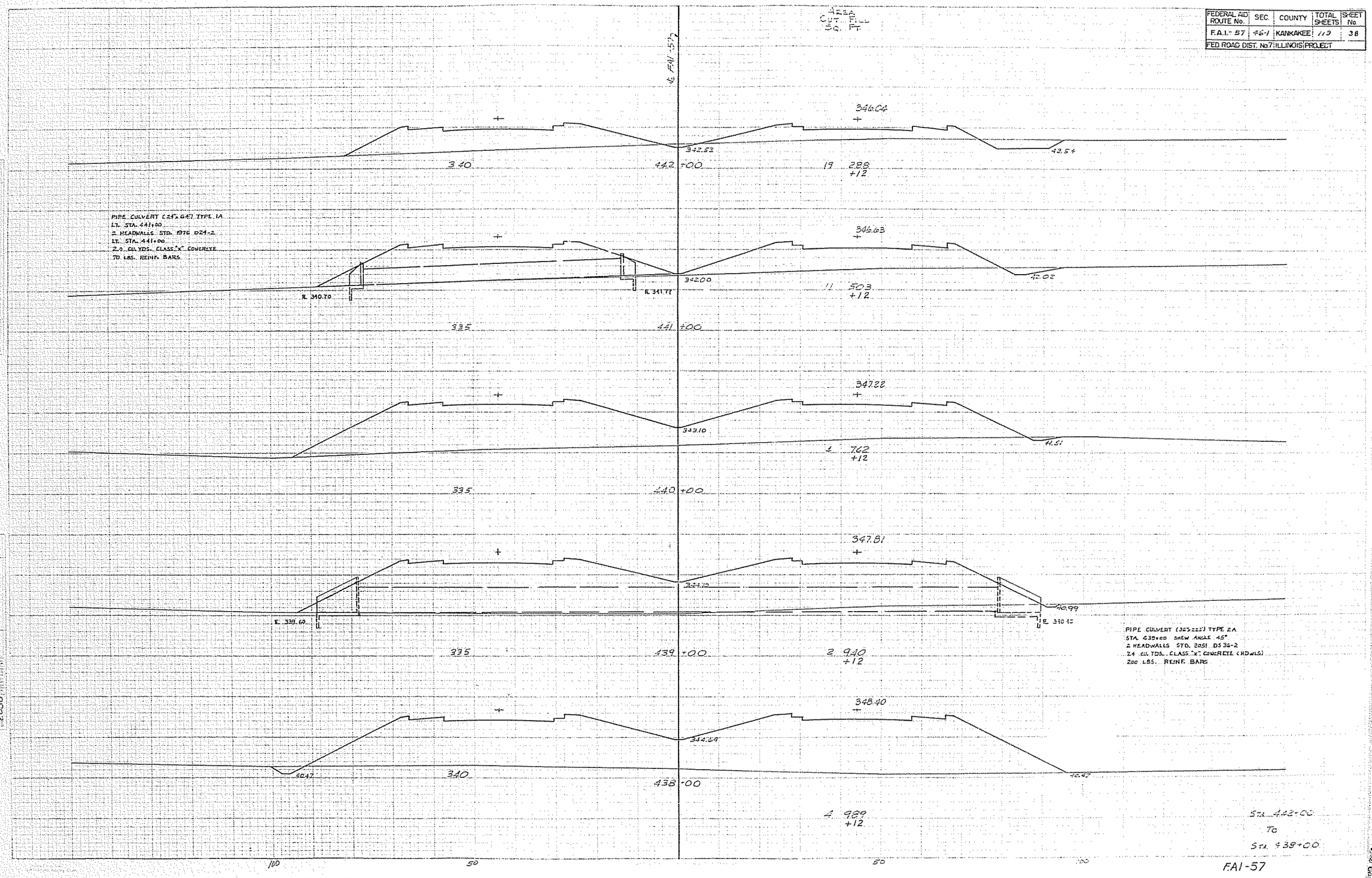
STA. 432+00
TO
STA. 428+00

FAI-57

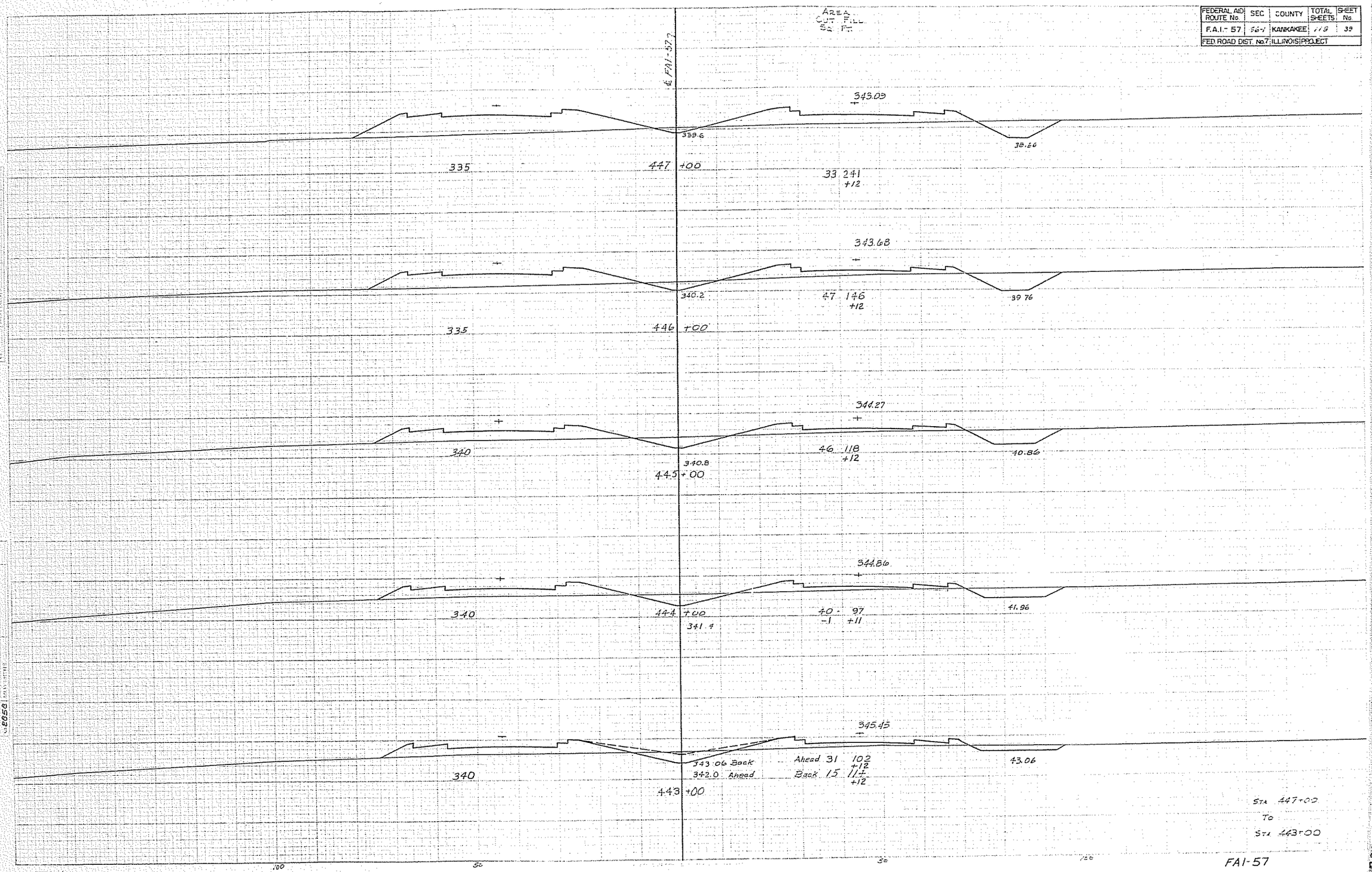
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	42-1	KANKAKEE	113	37
FED. ROAD DIST. No.7	ILLINOIS	PROJECT		



FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.- 57	46-1	KANKAKEE	119	38
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



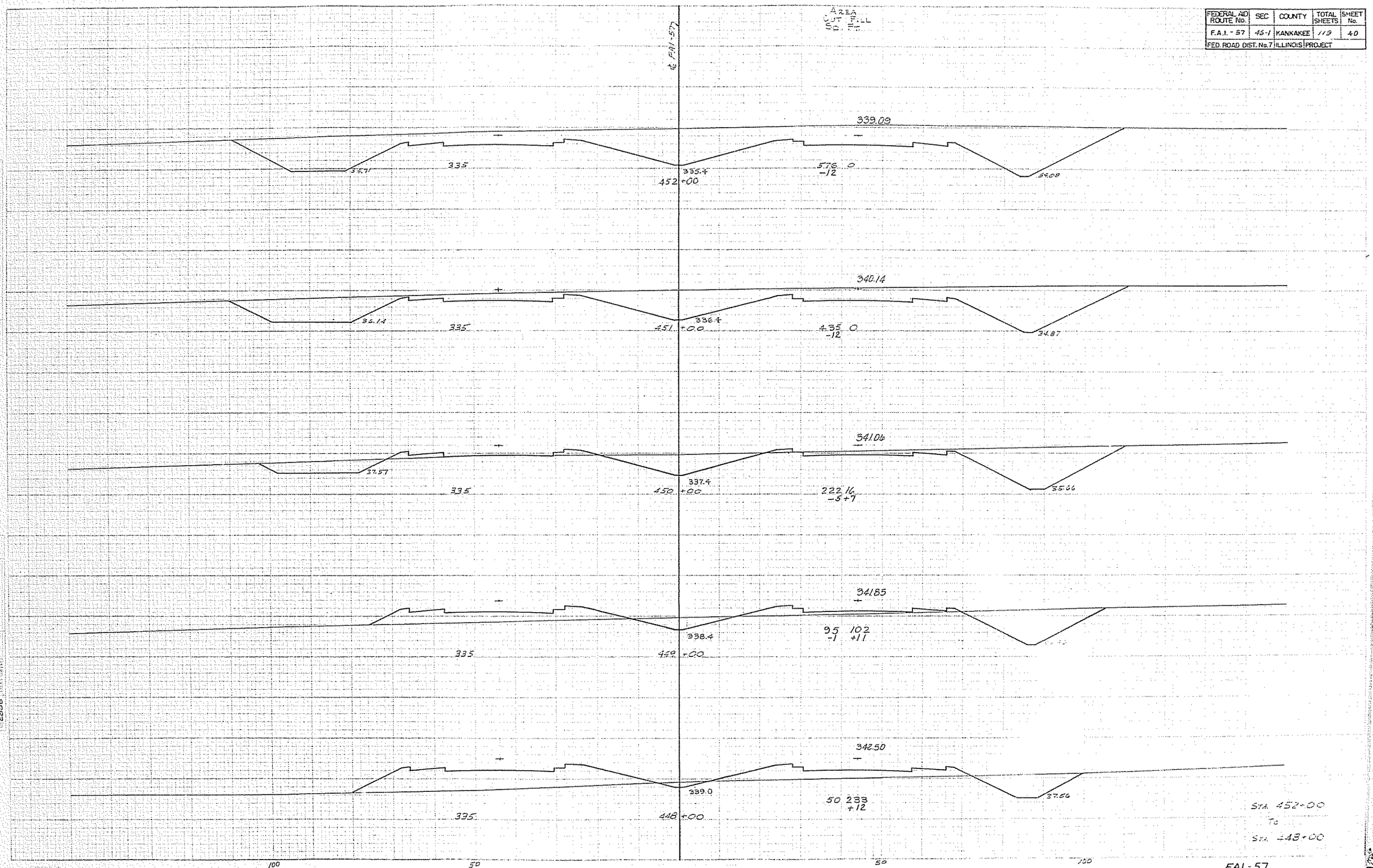
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.- 57	56-1	KANKAKEE	118	39
FED ROAD DIST. No.7	ILLINOIS	PROJECT		



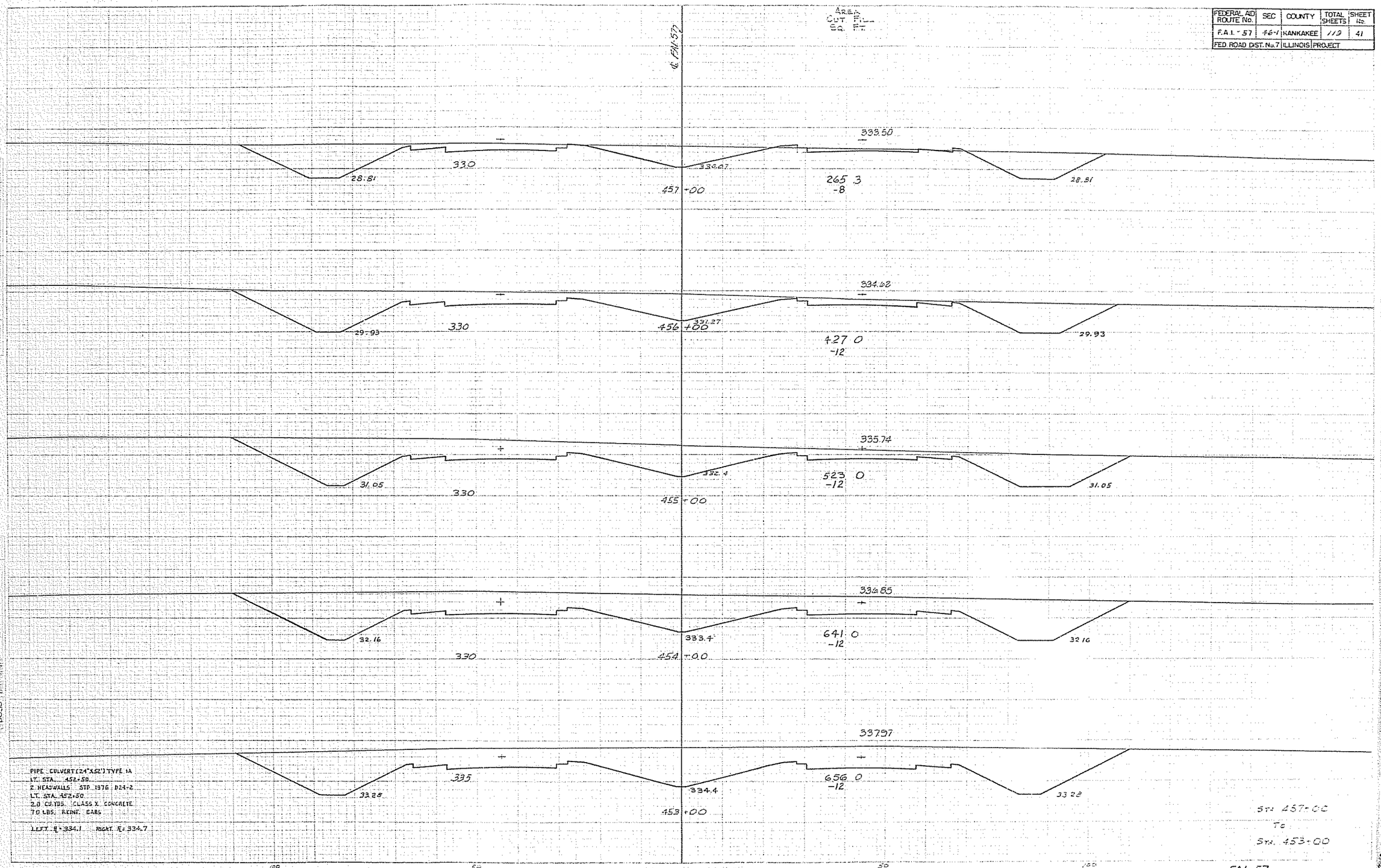
STA 447+00
TO
STA 443+00

FAI-57

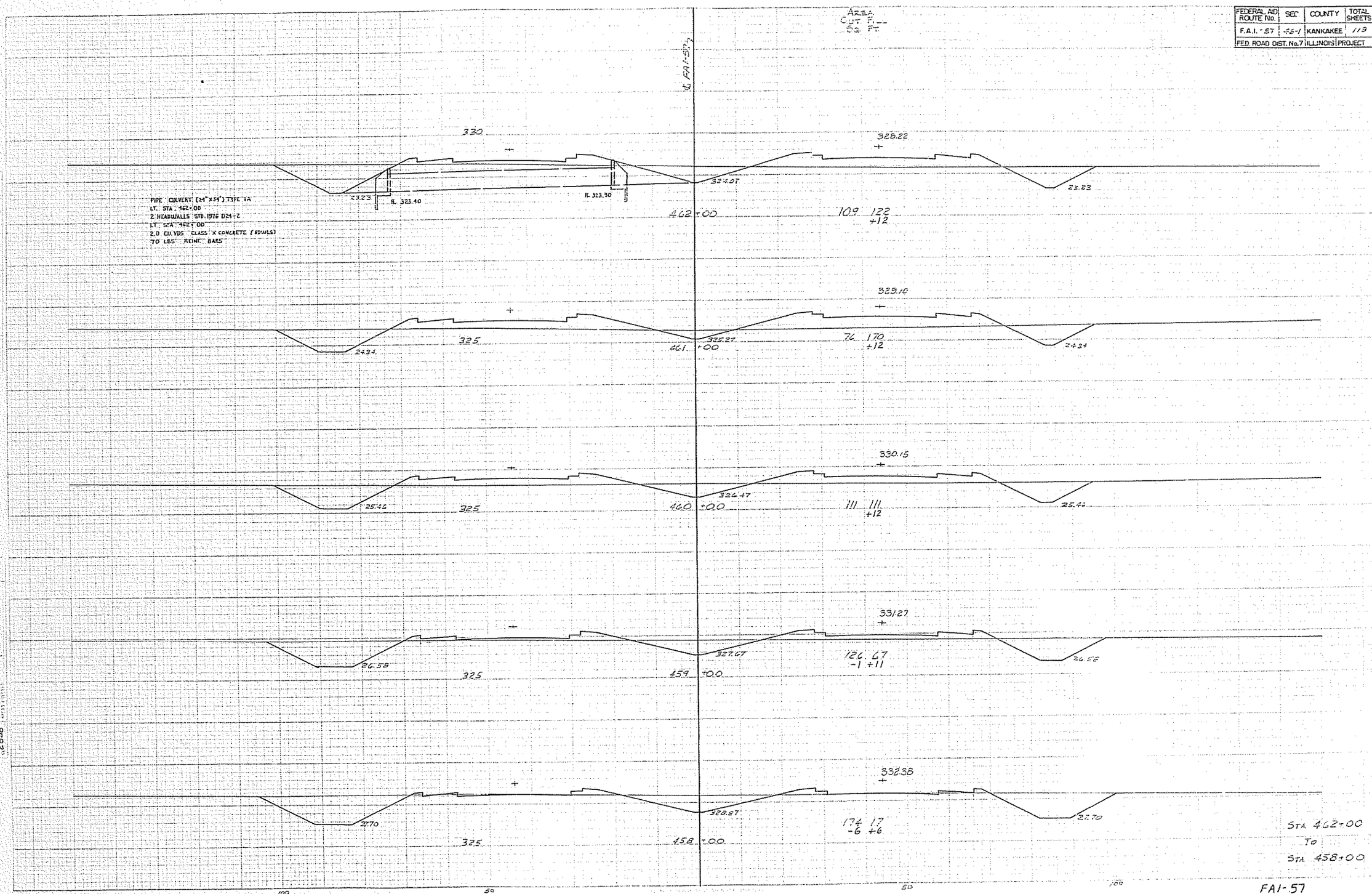
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. - 57	46-1	KANKAKEE	113	40
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



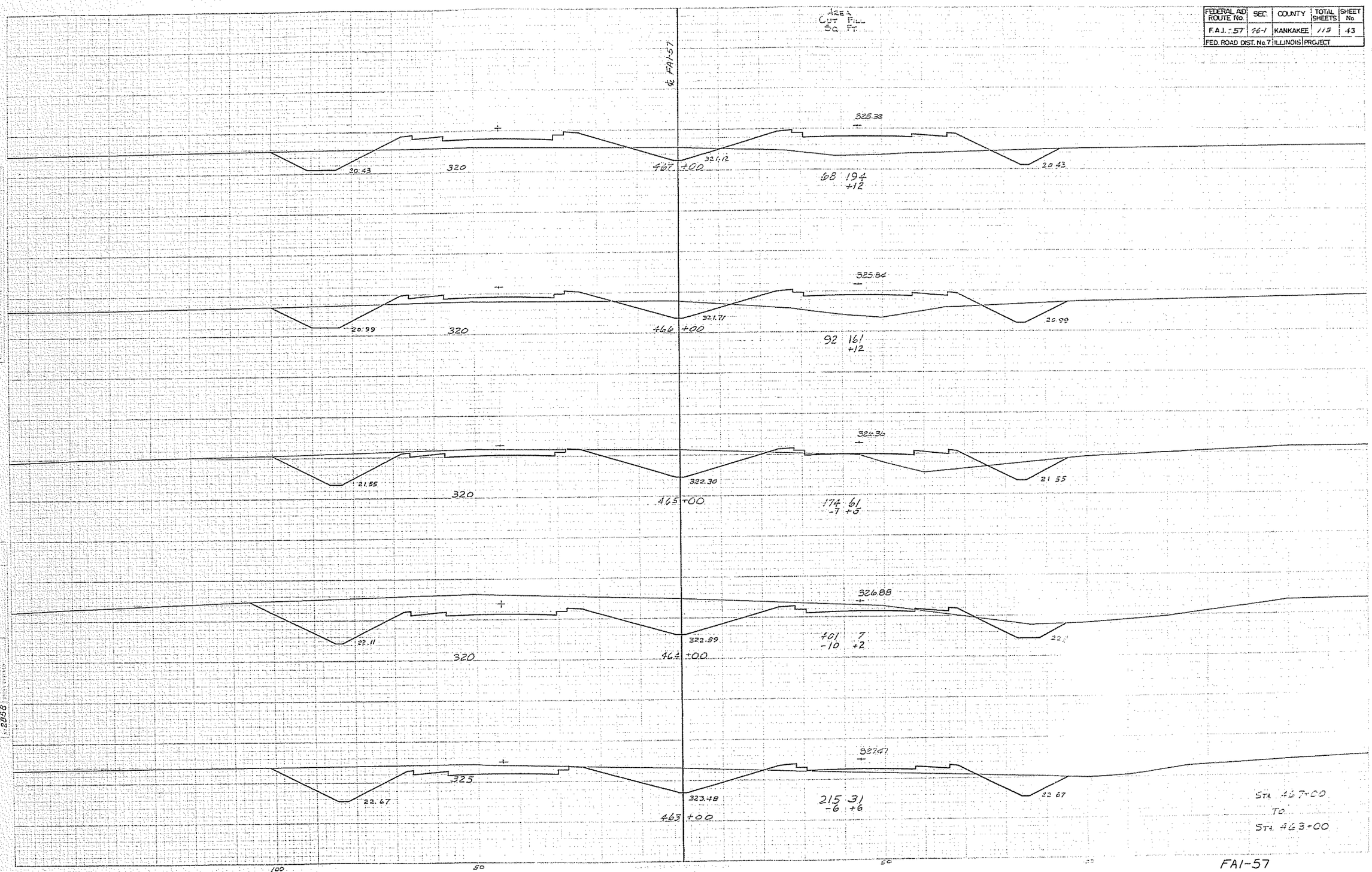
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. - 57	46-1	KANKAKEE	113	41
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



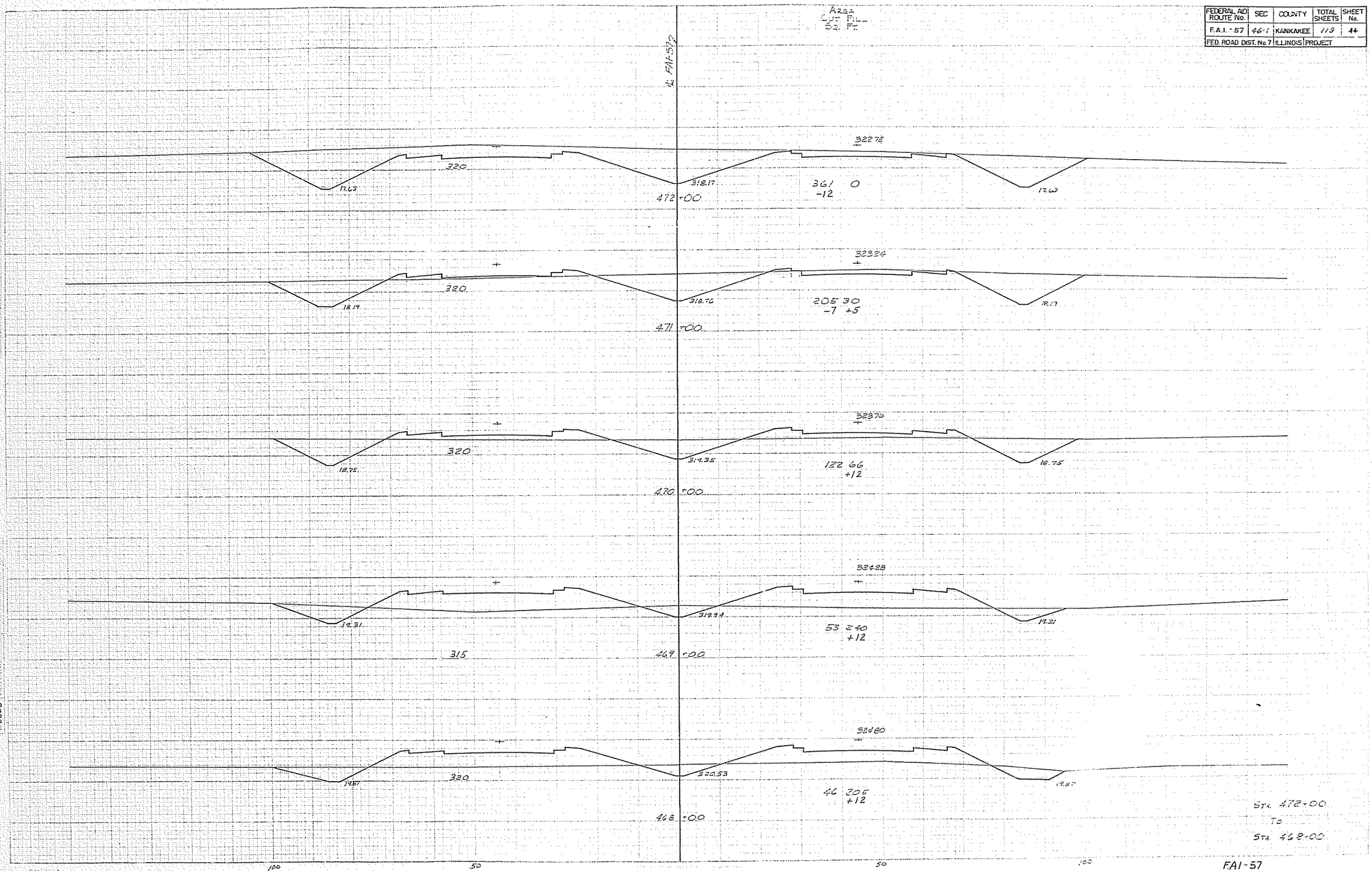
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. - 57	45-1	KANKAKEE	119	42
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



FEDERAL AID ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	76-1	KANKAKEE	115	43
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

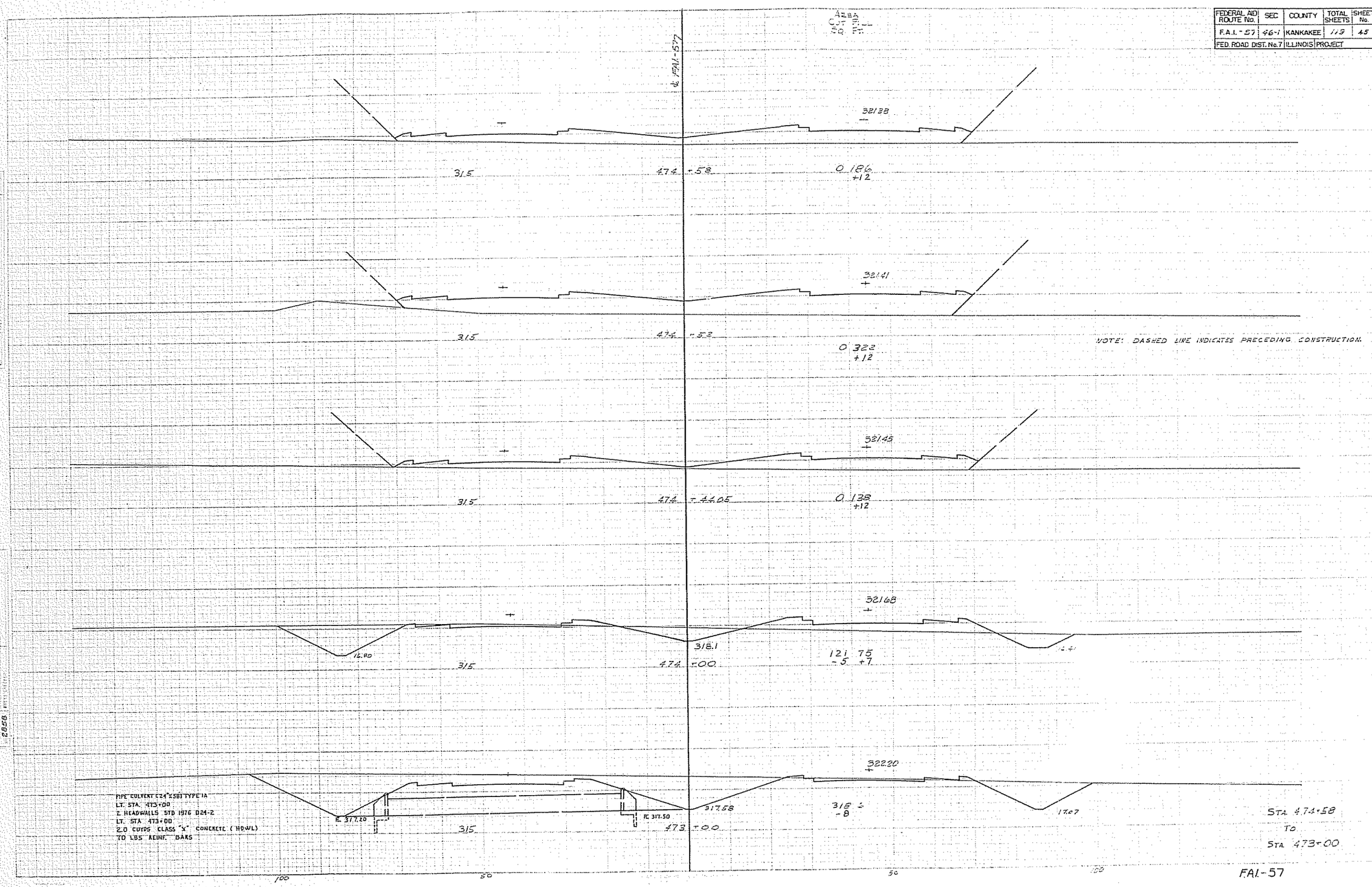


FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. * 57	46-1	KANKAKEE	119	44
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



STA. 472+00
TO
STA. 468+00

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. - 57	46-1	KANKAKEE	113	45
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

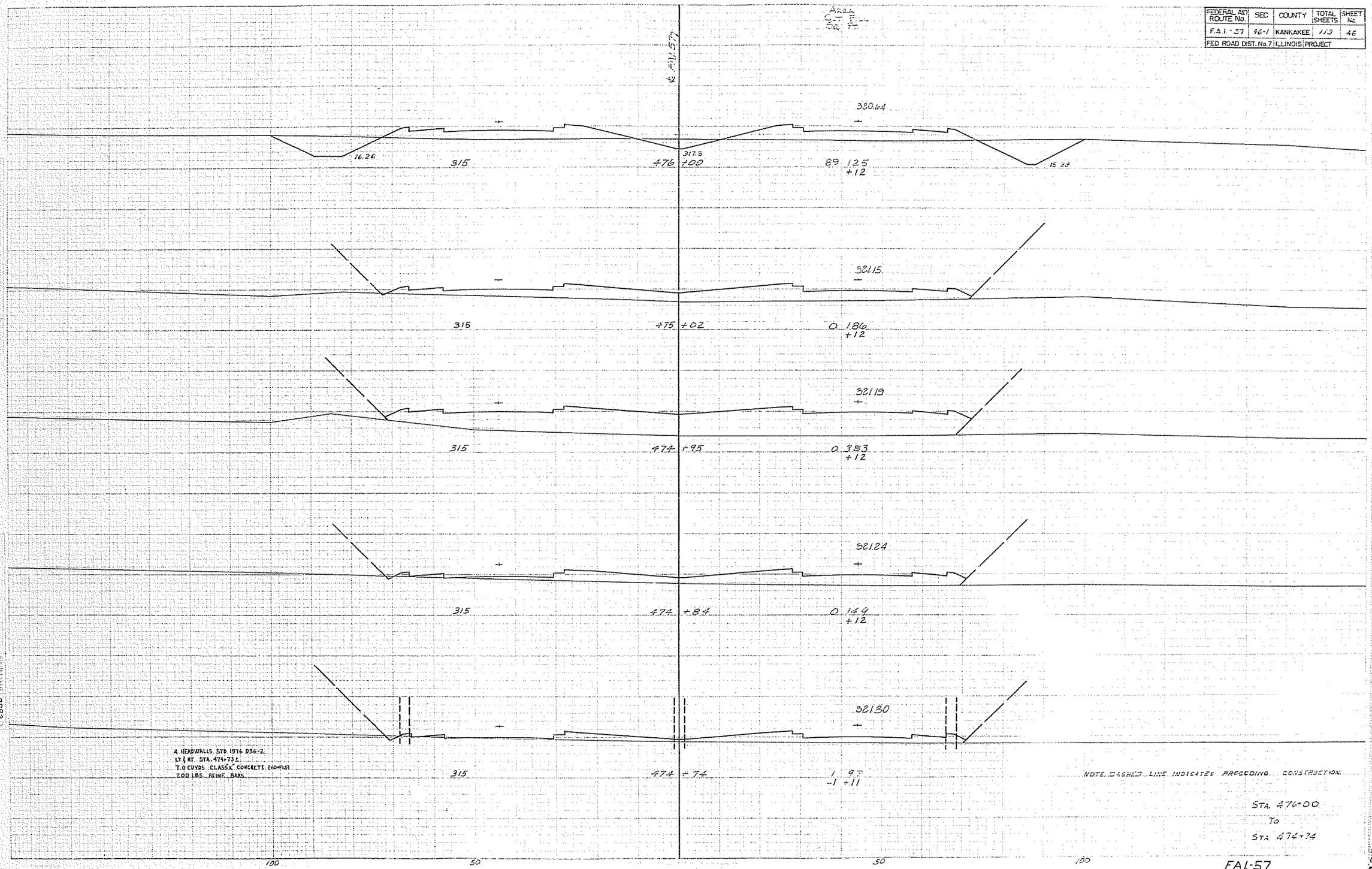


NOTE: DASHED LINE INDICATES PRECEDING CONSTRUCTION.

STA. 474+58
TO
STA. 473+00

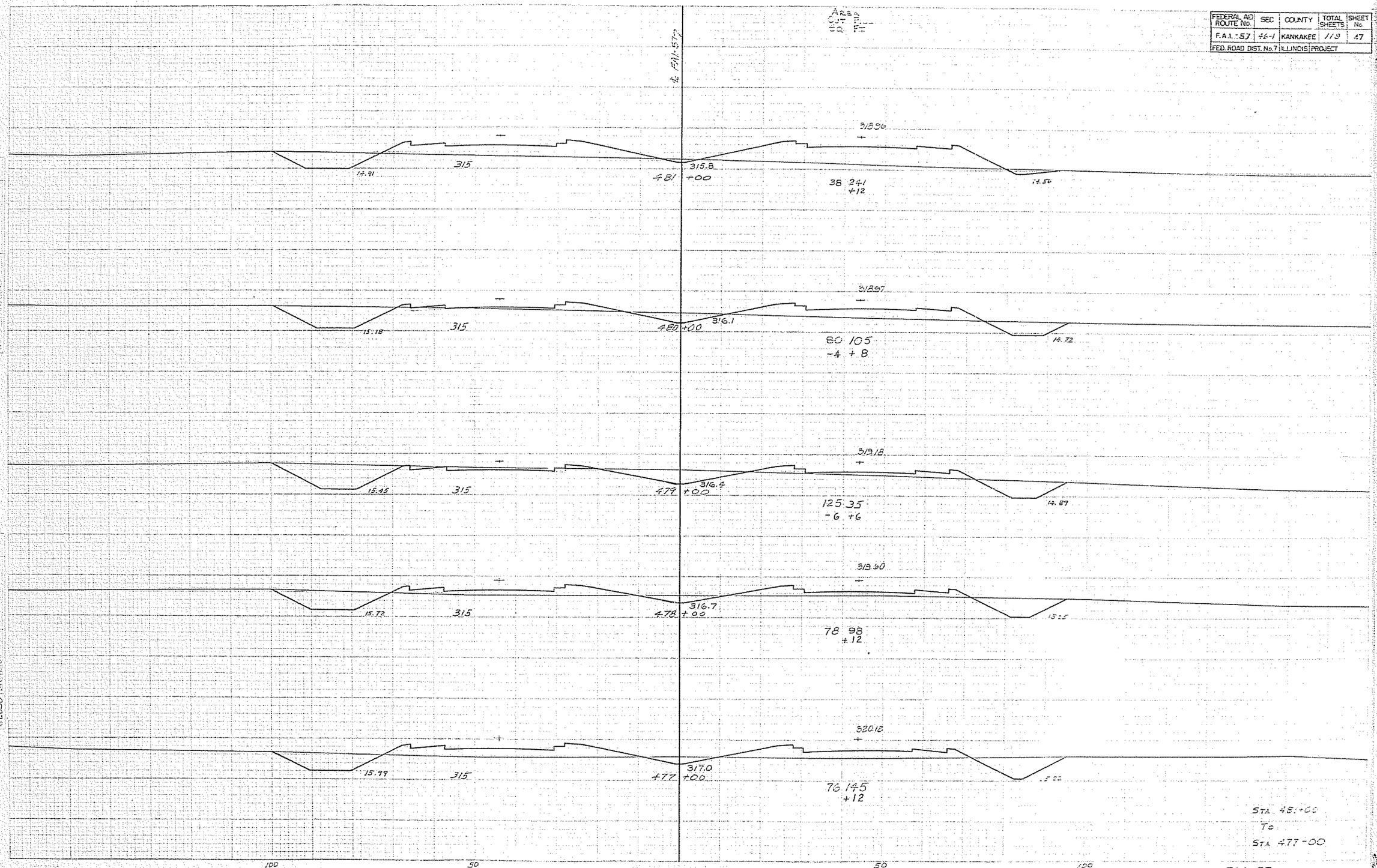
FAI-57

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	113	46
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



FAI-57

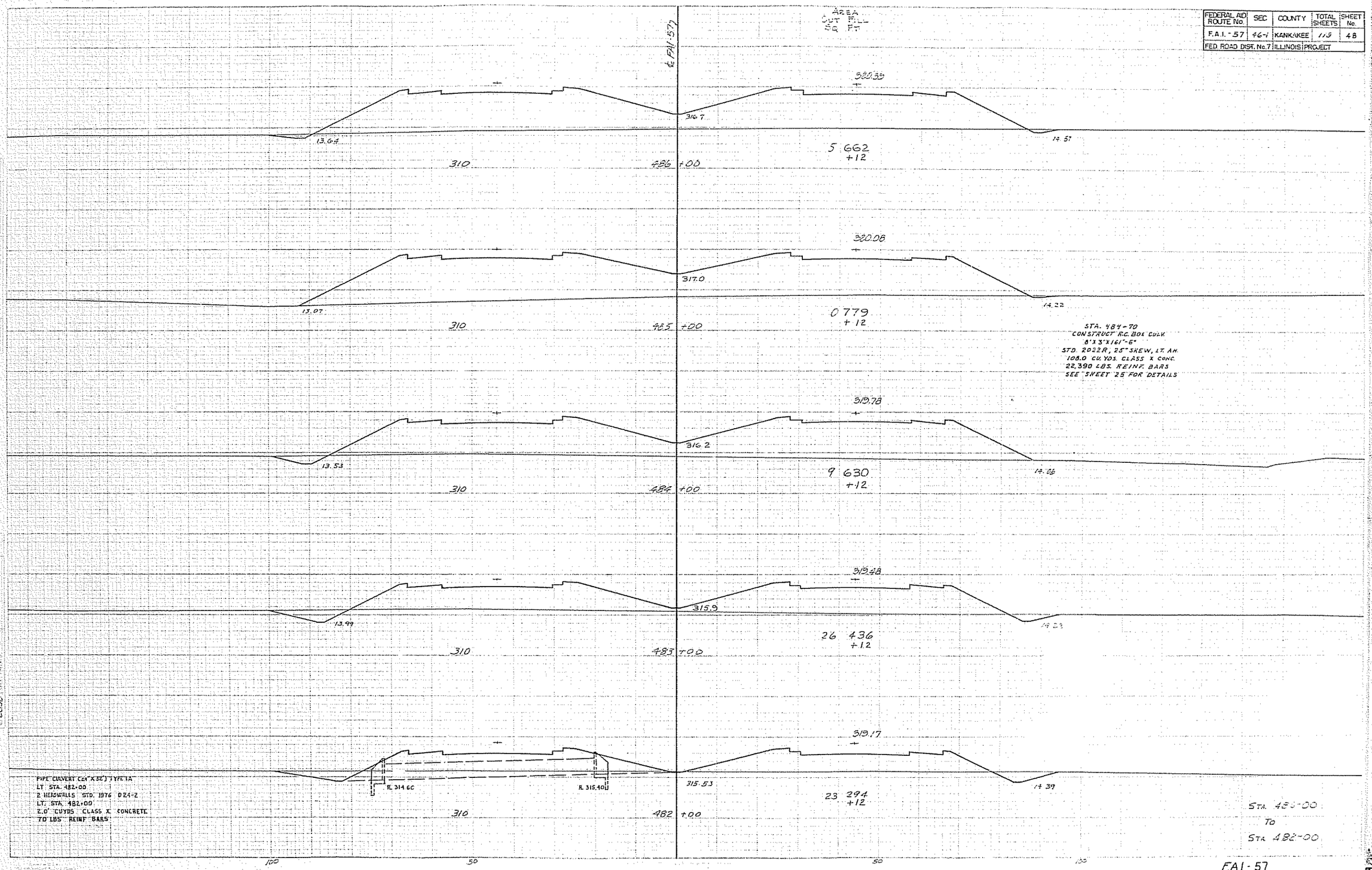
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. 57	46-1	KANKAKEE	119	47
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



STA. 481+00
To
STA. 477-00

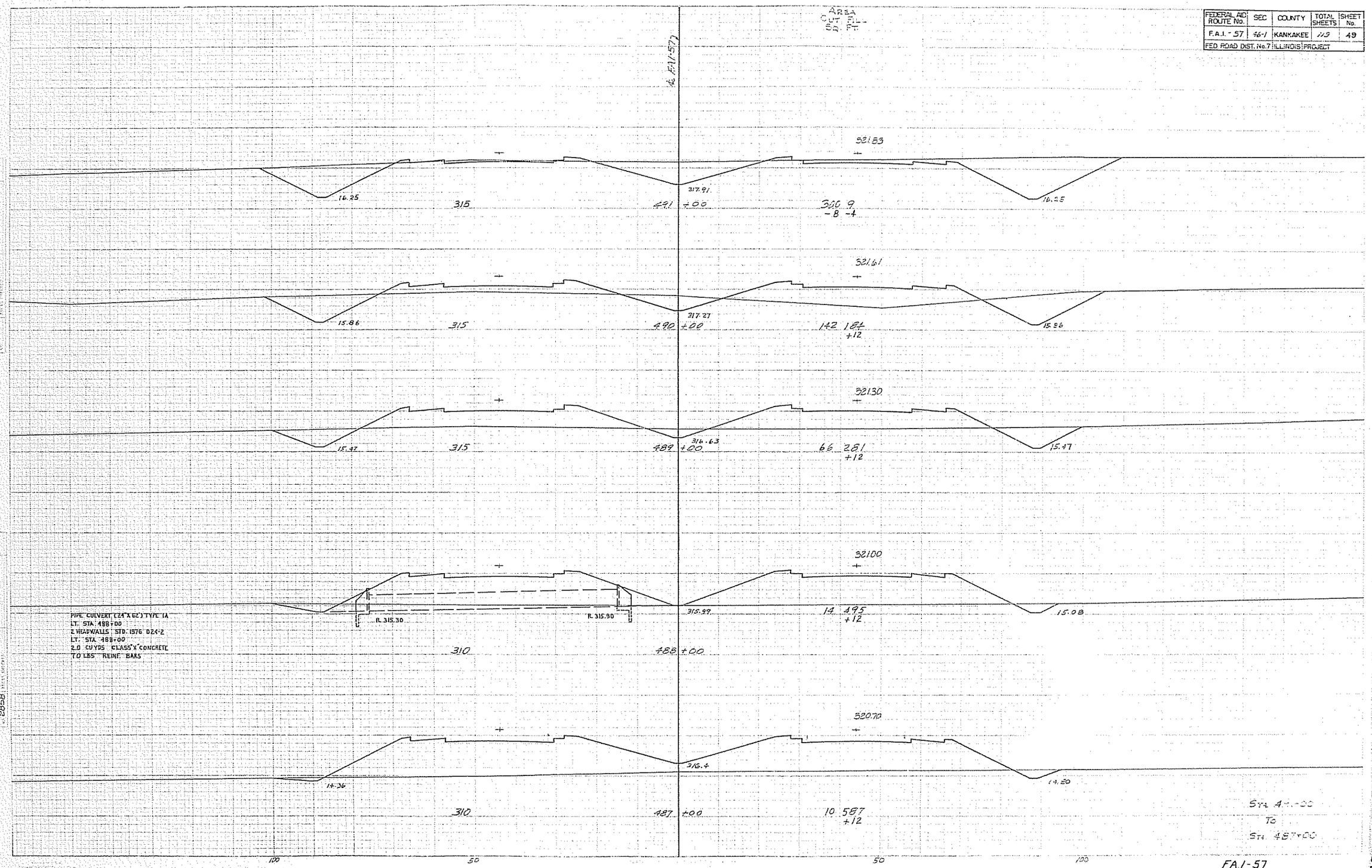
FAI-57

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. - 57	46-1	KANKAKEE	113	48
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



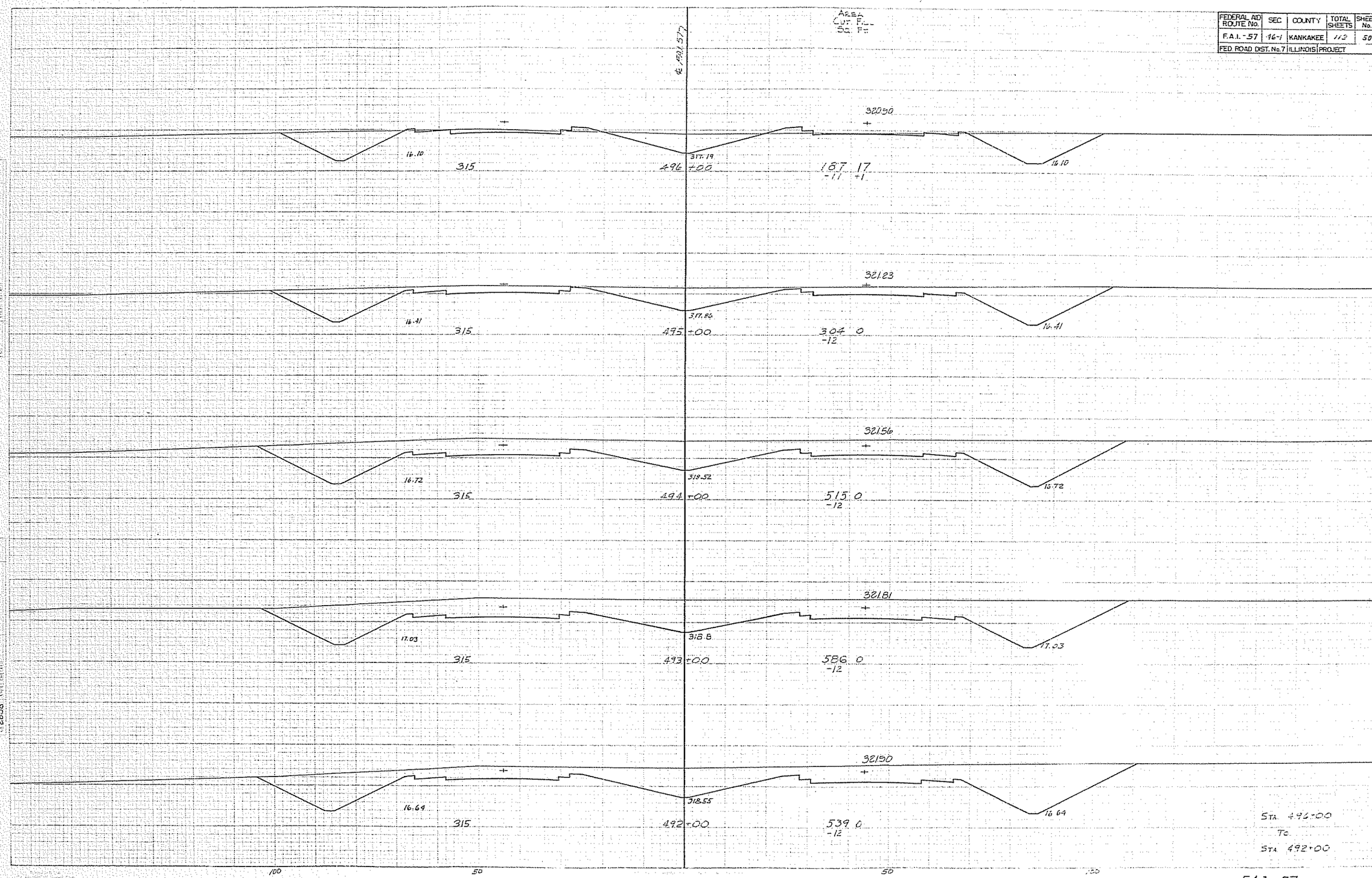
FAI-57

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. - 57	46-1	KANKAKEE	113	49
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



F.A.I.-57

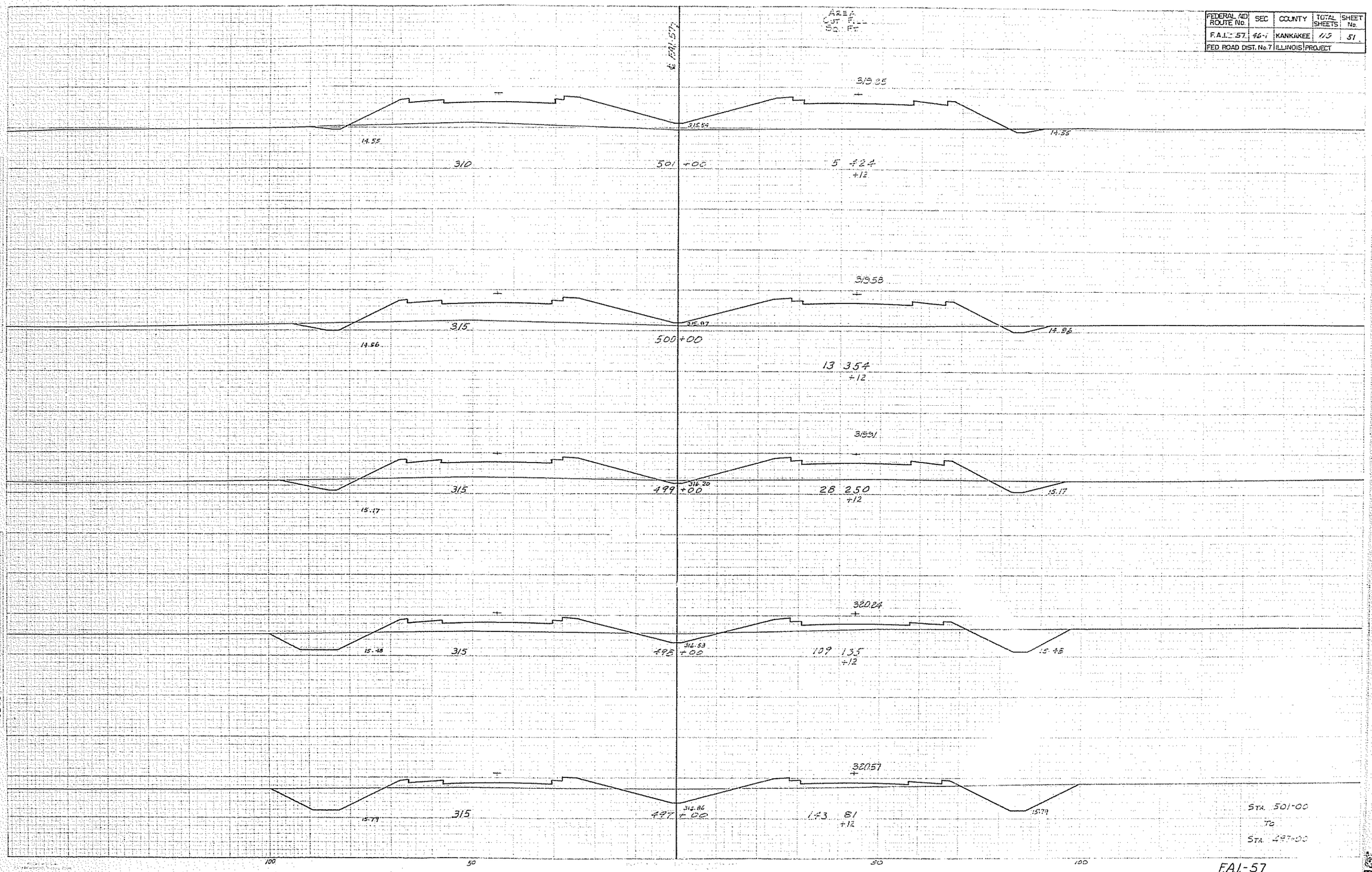
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	96-1	KANKAKEE	113	50
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



STA. 492+00
TO
STA. 492+00

F.A.I.-57

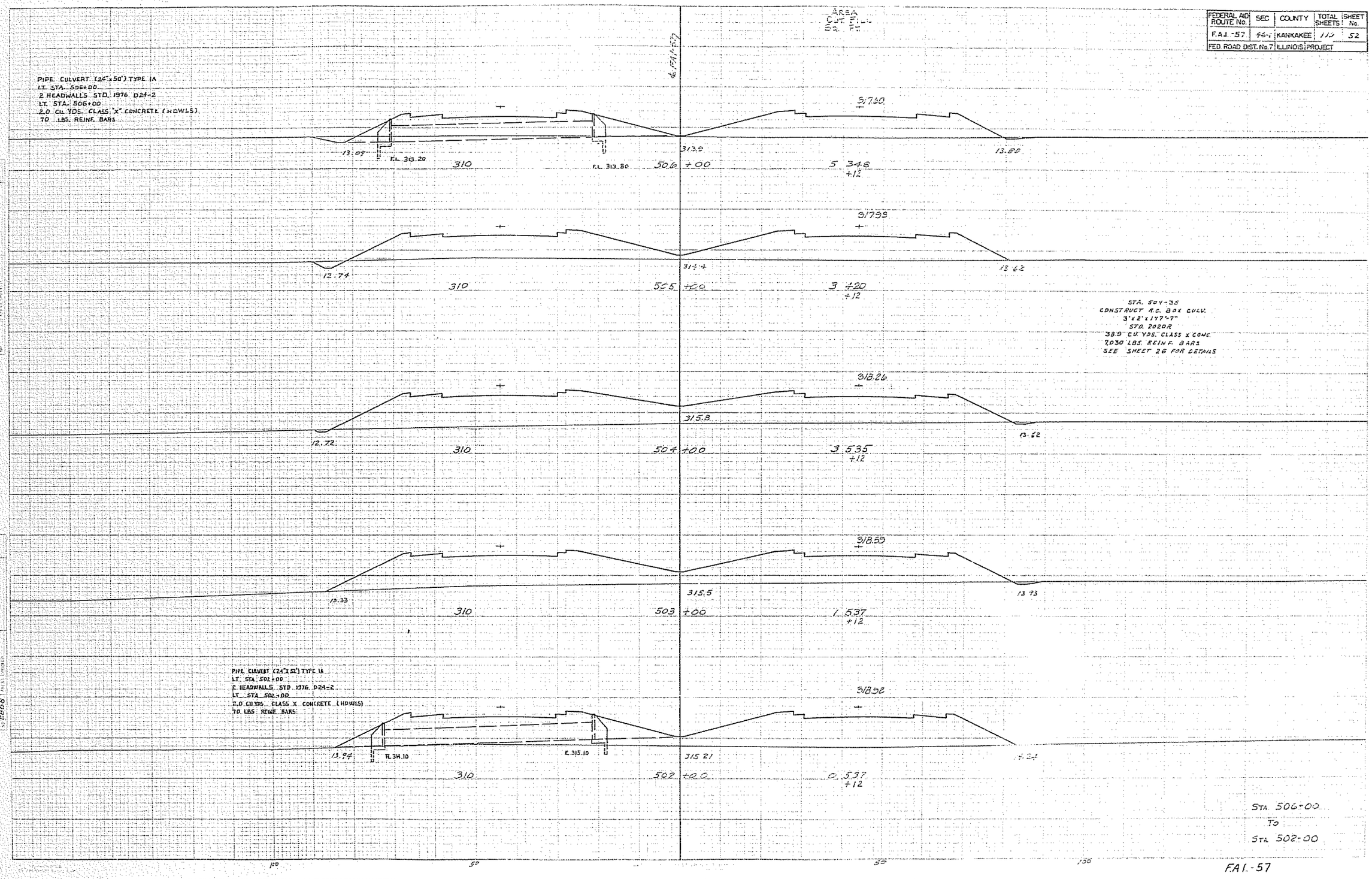
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. 57	46-1	KANKAKEE	113	51
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



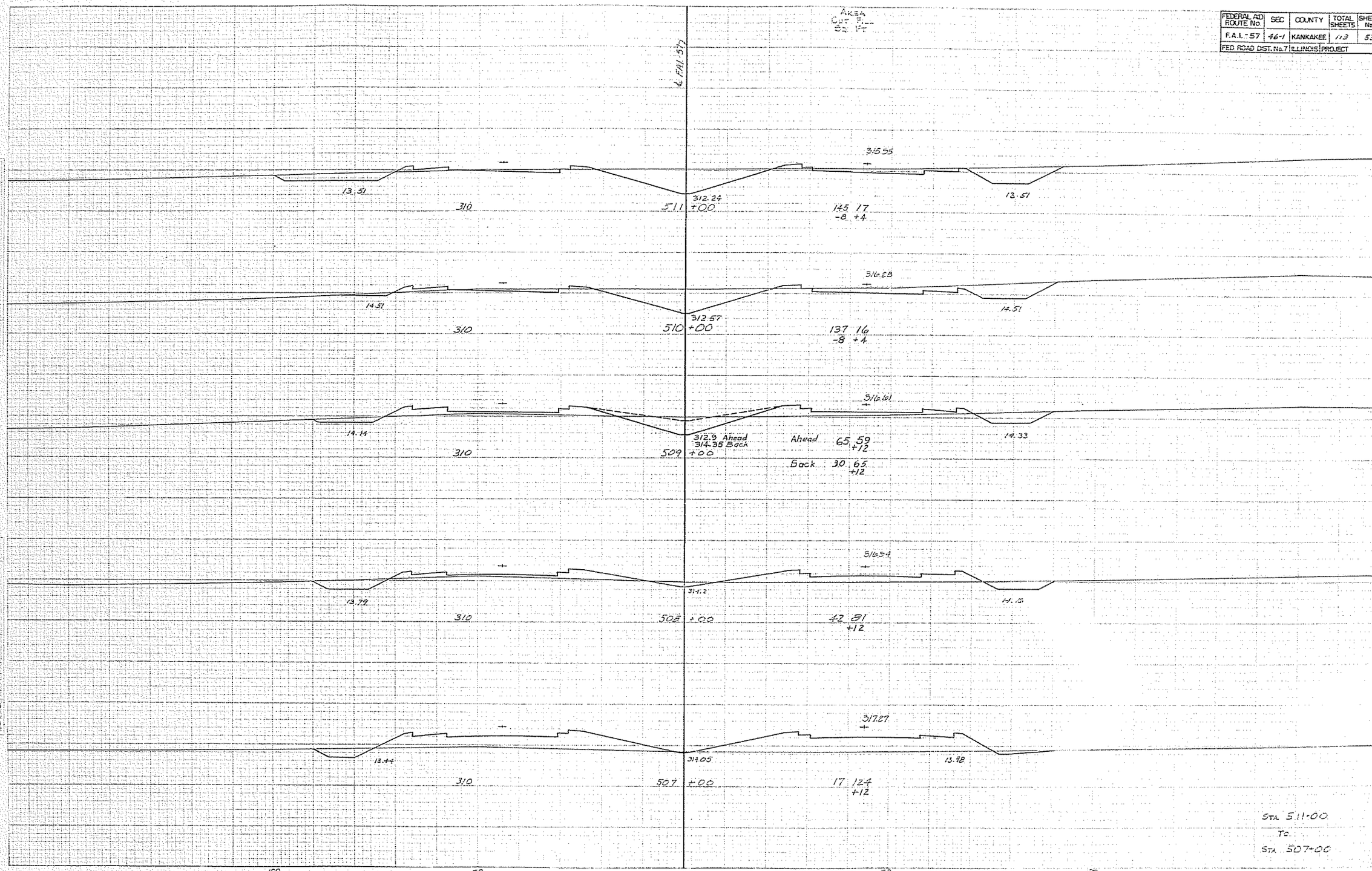
STA. 501+00
TO
STA. 497+00

FAI-57

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. -57	46-1	KANKAKEE	115	52
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

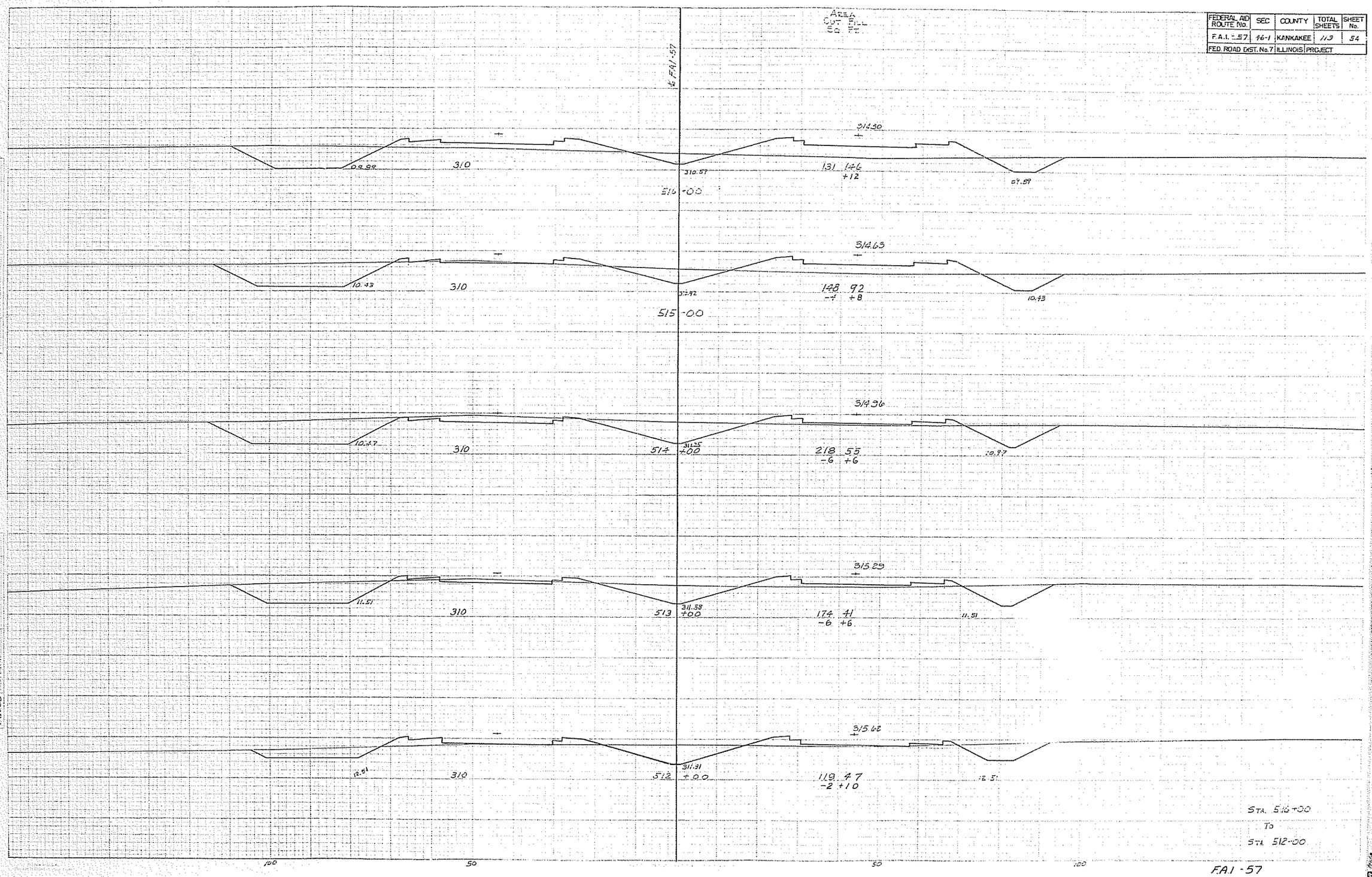


FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	113	53
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

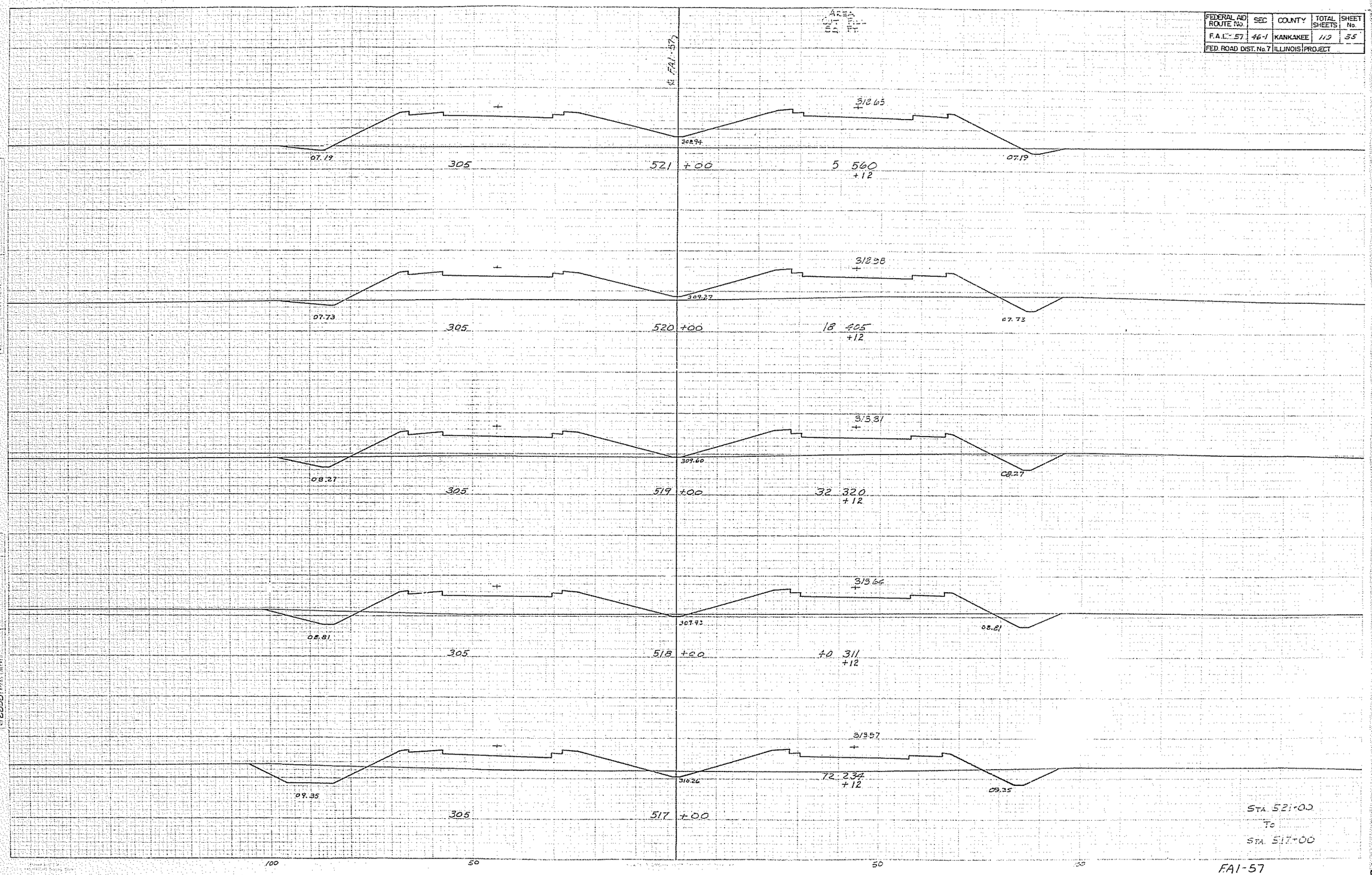


FAI-57

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. - 57	96-1	KANKAKEE	113	54
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



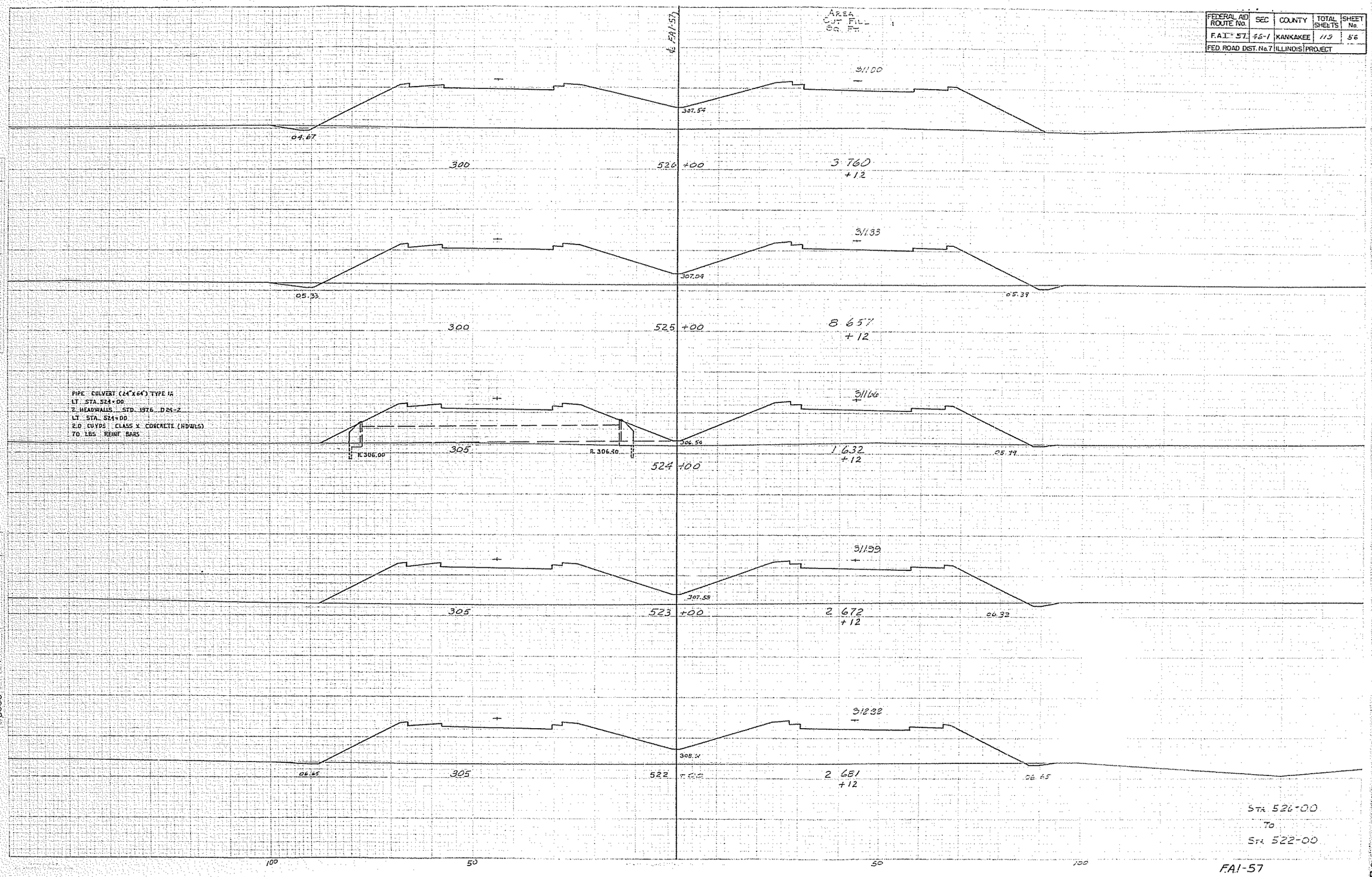
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. 57	46-1	KANKAKEE	119	55
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



STA. 521+00
TO
STA. 517+00

FAI-57

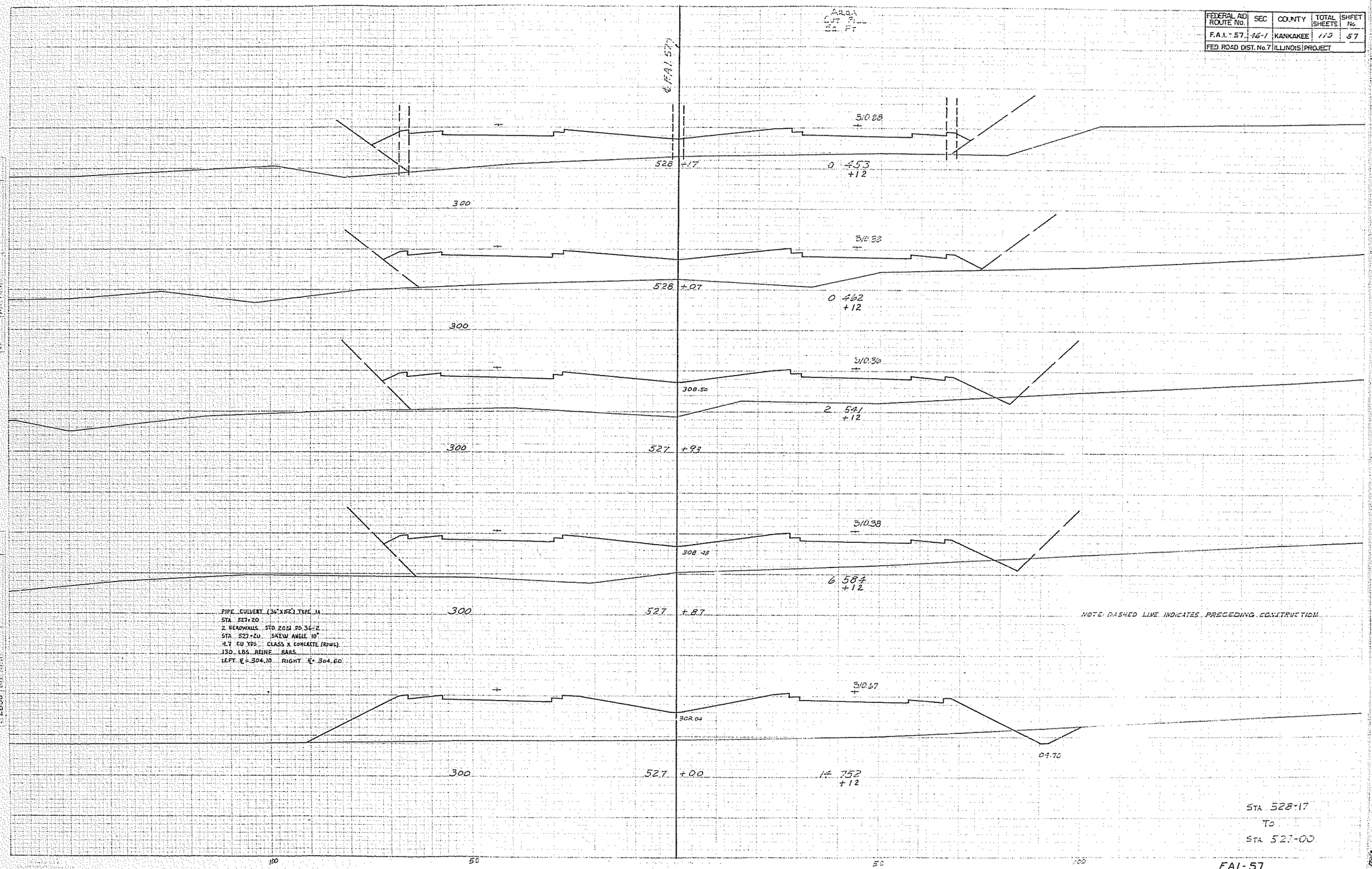
FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	113	56
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



STA. 526+00
TO
STA. 522+00

FAI-57

FEDERAL AID ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I.-57	46-1	KANKAKEE	113	57
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



STA. 528+17
TO
STA. 527+00

FAI-57