

STATE OF KANSAS
STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

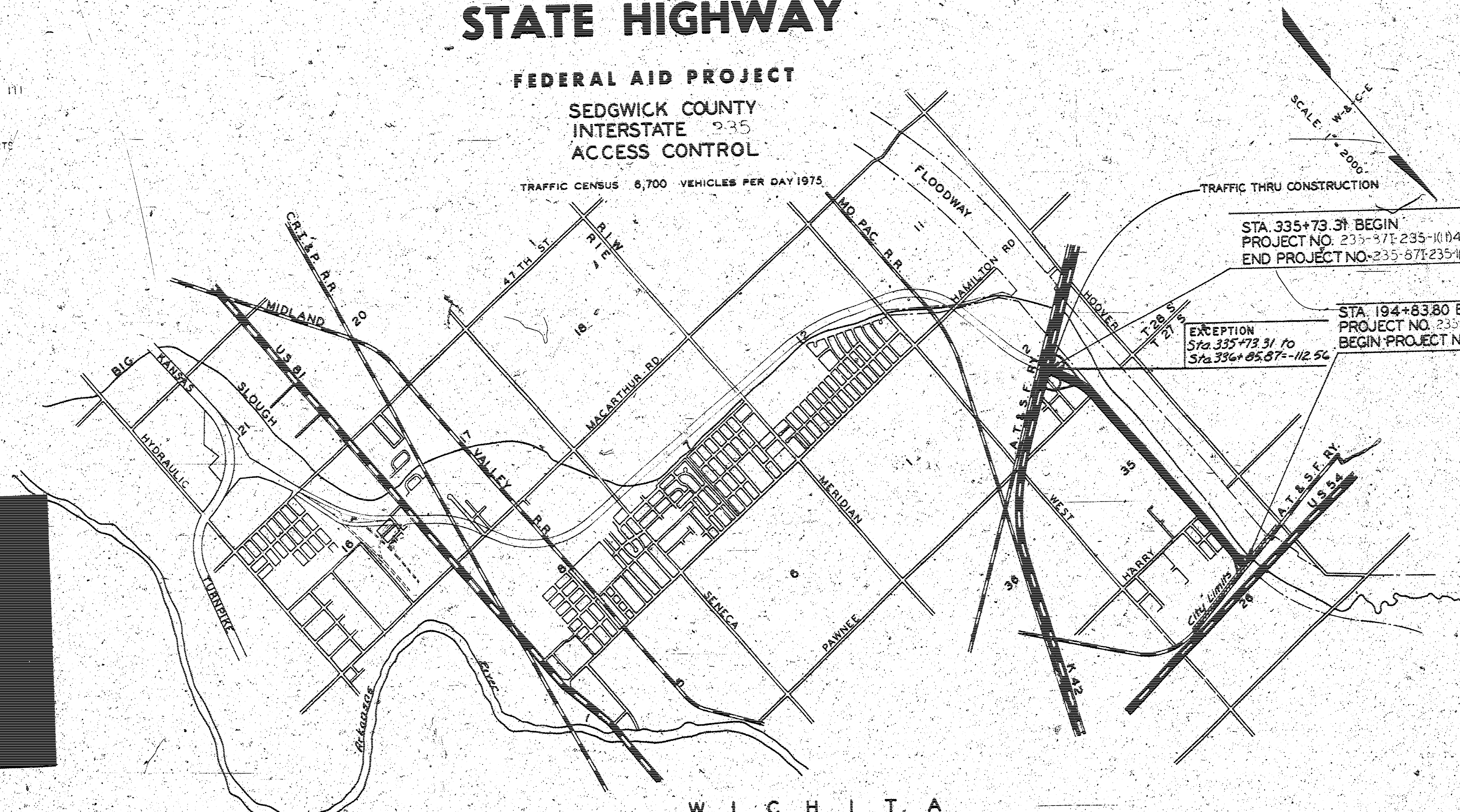
FEDERAL AID PROJECT
SEDGWICK COUNTY
INTERSTATE 235
ACCESS CONTROL

PUR. ROAD NO.	STATE	PROJECT	YEAR	SHEET	TOTAL
5	KANSAS	235-871-235-10048	1958	1	68

PROJ. NO. 235-871-235-10048
GRADING

INDEX OF SHEETS

1. TITLE SHEET
- 2.-3. TYPICAL SECTIONS
- 4.-7. PLAN & PROFILE
8. GENERAL LAYOUT OF K-10 INTERCHANGE
9. GEOMETRICS OF K-10 INTERCHANGE
10. RAMP GRADES K-10 INTERCHANGE
11. RAMP DETAILS K-10 INTERCHANGE
12. GENERAL LAYOUT OF US-54 INTERCHANGE
13. GEOMETRICS OF US-54 INTERCHANGE
14. RAMP GRADES US-54 INTERCHANGE
15. RAMP DETAILS US-54 INTERCHANGE
- 16.-17. CONCRETE DITCH INLETS, TYPE I / TYPE II
18. CONCRETE DITCH INLETS, TYPE I / TYPE II
19. CONCRETE DITCH INLETS, TYPE I / TYPE II
20. MEDIAN OR GROUND SECTION & SCHEDULES
21. RIPRAP & DITCH LINING
22. STEEL PLATE GUARD FENCE
23. METAL END SECTION FOR ROUND & ARCH METAL CULVERTS
24. CONCRETE END SECTION FOR CONCRETE PIPE
25. R.C. BOX CULVERTS, 30" x 18" & 4' x 8' SPANS
26. CONSTRUCTION TRAFFIC CONTROL
27. SUMMARY OF QUANTITIES
28. SUBGRADE MODIFICATION SUMMARY
29. DRAINAGE AREAS
- 30.-80. ROADWAY CROSS SECTIONS



STA. 335+73.31 BEGIN
PROJECT NO. 235-871-235-10048
END PROJECT NO. 235-871-235-10042

EXCEPTION
Sta. 335+73.31 to
Sta. 336+85.87 - 112.56
STA. 194+83.80 END
PROJECT NO. 235-871-235-10048
BEGIN PROJECT NO. 235-871-235-10049 PT. I

CONVENTIONAL SIGNS

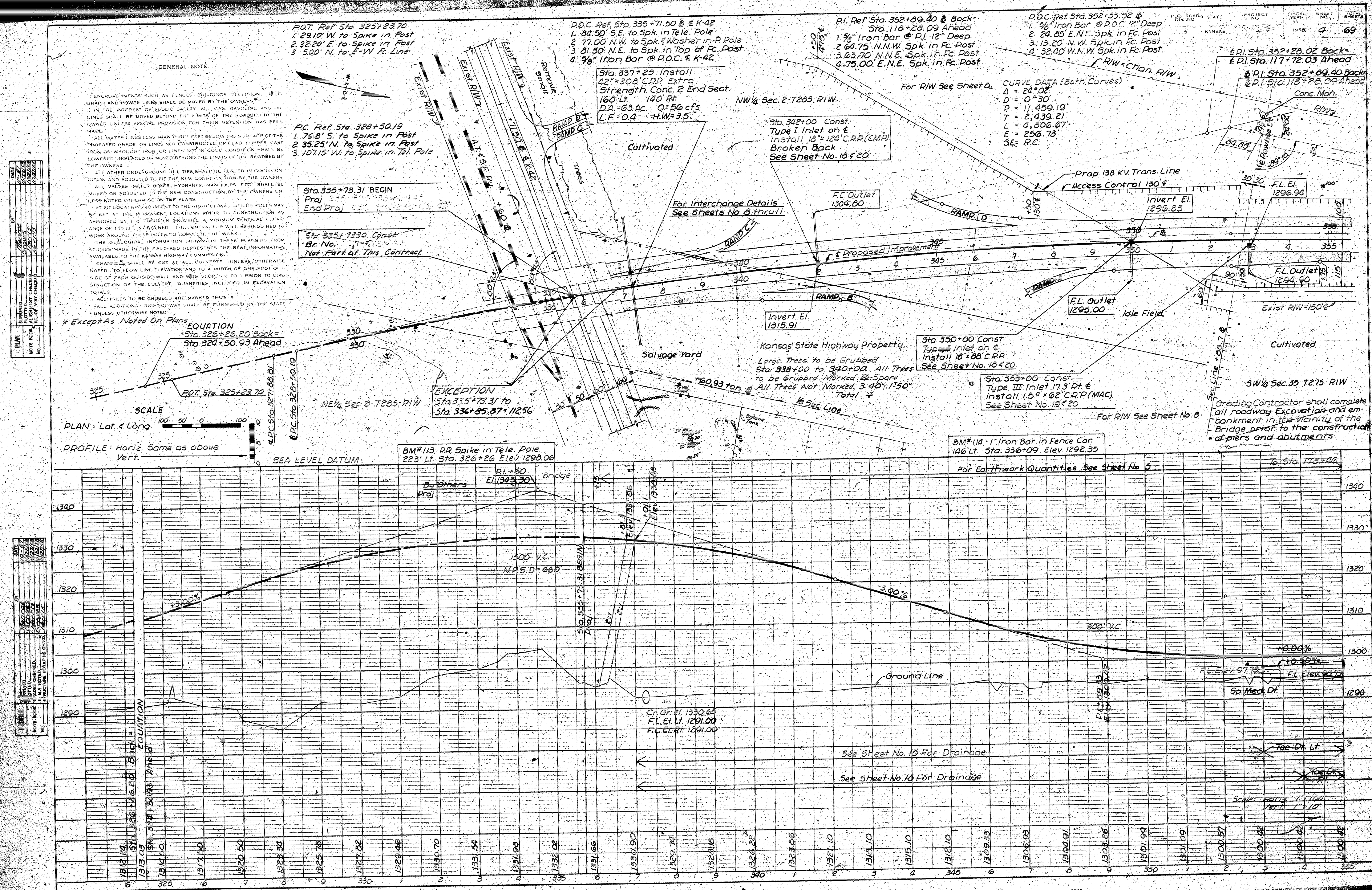
COUNTY LINE	RETAINING WALL
CITY, VILLAGE, OR BOROUGH	BASE OR SURVEY LINE
STATE OR NATIONAL LINE	LEVEE
TOWNSHIP LINE	CULVERTS
SECTION LINE	DROP INLETS
GRANT LINE	TROLLEY POLE
FENCE LINE	POWER LINE
GUARD FENCE	TELEPHONE OR TELEGRAPH LINE
UNFENCED PROPERTY	WATERSHED
RIGHT OF WAY LINE	HEDGE
TRAVELLED WAY	TREES
RAILROADS	GRADE ELEVATION
ACCESS CONTROL	CITY LIMITS

GRAND LENGTH OF PROJECT 9,295.18
EXCEPTIONS 112.56
ADDITIONS 0
NET LENGTH OF PROJECT 9,182.62
NET LENGTH OF BRIDGES 0.00
NET LENGTH OF ROAD 9,182.62

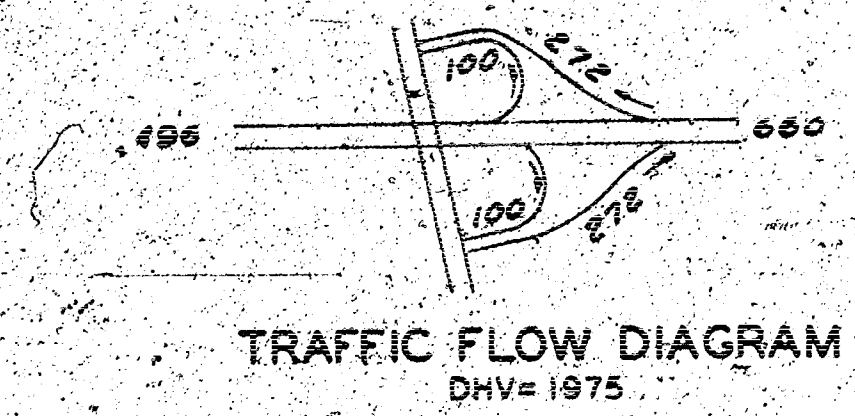
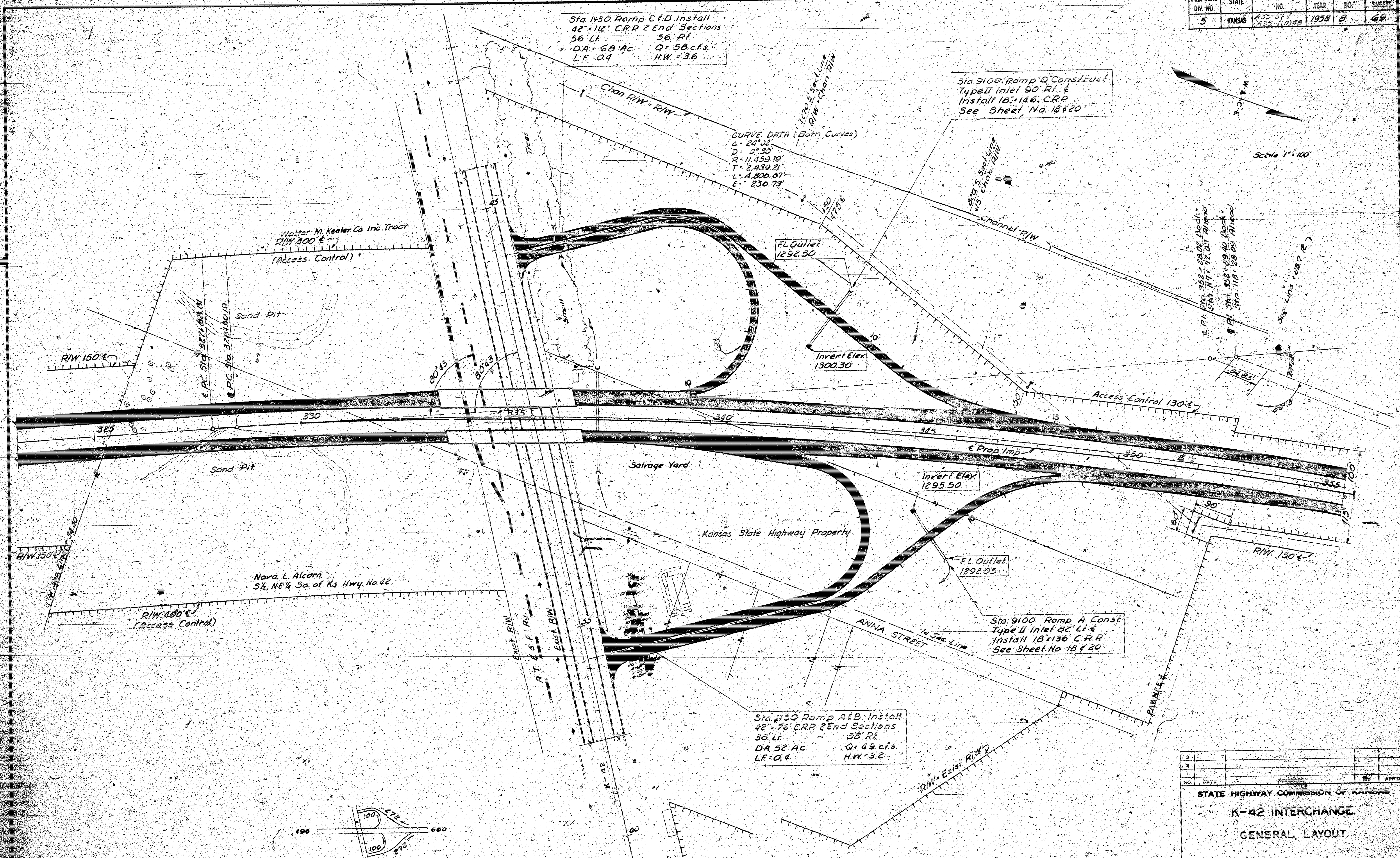
EQUATIONS
STA. 375+95.48 BACK = STA. 142+11.24 AHEAD
STA. 192+46.68 BACK = STA. 192+46.43 AHEAD

PLANS PREPARED BY: DATE Oct. 28, 1958
WILSON & COMPANY ENGINEERS

RECOMM. FOR APPROVAL DATE	RECOMM. FOR APPROVAL DATE
ENGINEER OF DESIGN STATE HIGHWAY COMMISSION OF KANSAS	ENGINEER BUREAU OF PUBLIC ROADS DEPARTMENT OF COMMERCE
APPROVED DATE	APPROVED DATE
STATE HIGHWAY ENGINEER STATE HIGHWAY COMMISSION OF KANSAS	DISTRICT ENGINEER BUREAU OF PUBLIC ROADS DEPARTMENT OF COMMERCE



PUB. ROAD DN. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	135-277 135-10156	1938	8	69



NO.	DATE	REVISIONS	BY	APP'D
1				
2				

STATE HIGHWAY COMMISSION OF KANSAS
K-42 INTERCHANGE
GENERAL LAYOUT

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA, KANSAS

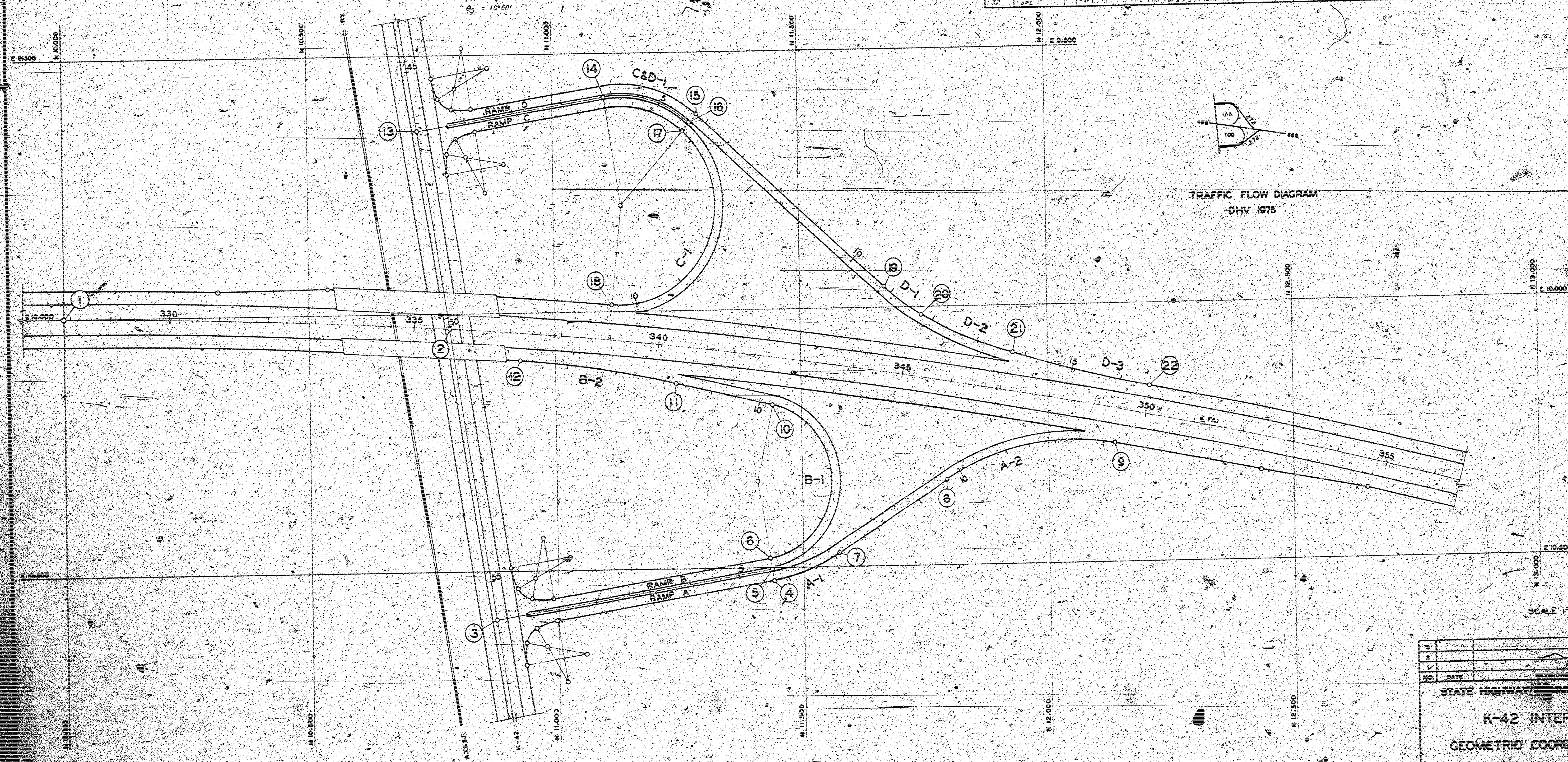
DESIGNED: DeJulio, Checked: Carpenter, Checked: [Signature]

CURVE DATA						
NO.	Δ	D	T	L	R	RADIUS POINT COOR.
						NORTH EAST
A-1	22°50' 57.4"	364.00	77.50	142.80	119.765	11,322.56 12,415.68
A-2	42°56' 14.0"	172.00	188.17	327.51	479.335	17,646.35 12,131.20
B-1	128°01' 27.2"	304.00	771.26	462.19	135.727	11,492.46 12,132.42
B-2	65°01' 41.0"	243.00	141.80	270.06	279.817	10,743.26 12,076.41
C-1	142°35' 11.2"	304.00	587.34	479.60	135.145	11,134.55 9,755.87
C-2	57°11' 00.0"	243.00	141.80	270.06	279.817	10,743.26 12,076.41
D-1	117°11' 22.6"	124.00	86.73	132.20	676.330	11,295.66 9,064.42
D-2	52°41' 06.1"	243.00	141.80	270.06	279.817	10,743.26 12,076.41
D-3	242°03' 00.0"	243.00	243.00	486.00	11,459.17	10,000.00 21,459.19

SPIRAL CURVE DATA-E-2
 $A_1 = 22^{\circ}50'57.4"$
 $A_2 = 42^{\circ}56'14.0"$
 $B_1 = 128^{\circ}01'27.2"$
 $B_2 = 65^{\circ}01'41.0"$
 $C_1 = 142^{\circ}35'11.2"$
 $C_2 = 57^{\circ}11'00.0"$
 $D_1 = 117^{\circ}11'22.6"$
 $D_2 = 52^{\circ}41'06.1"$
 $D_3 = 242^{\circ}03'00.0"$

ALIGNMENT DATA				NORTH EAST	
NO.	ROAD	STA	DESCRIPTION		
1	FAI	327.125	PC C&D-1	10,000.00	10,000.00
2	FAI	354.73	PT C&D-1	10,743.26	10,000.00
3	FAI	368.43	PC A-2	10,876.35	10,506.87
4	FAI	368.43	PT A-2	11,469.51	10,506.87
5	RAMP A & B	368.43	Begin Ramp A & B	11,469.51	10,506.87
6	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
7	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
8	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
9	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
10	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
11	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
12	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
13	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
14	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
15	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
16	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
17	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
18	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
19	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
20	RAMP A	368.43	End Ramp A	11,469.51	10,506.87
21	RAMP A	368.43	Begin Ramp A	11,469.51	10,506.87
22	RAMP A	368.43	End Ramp A	11,469.51	10,506.87

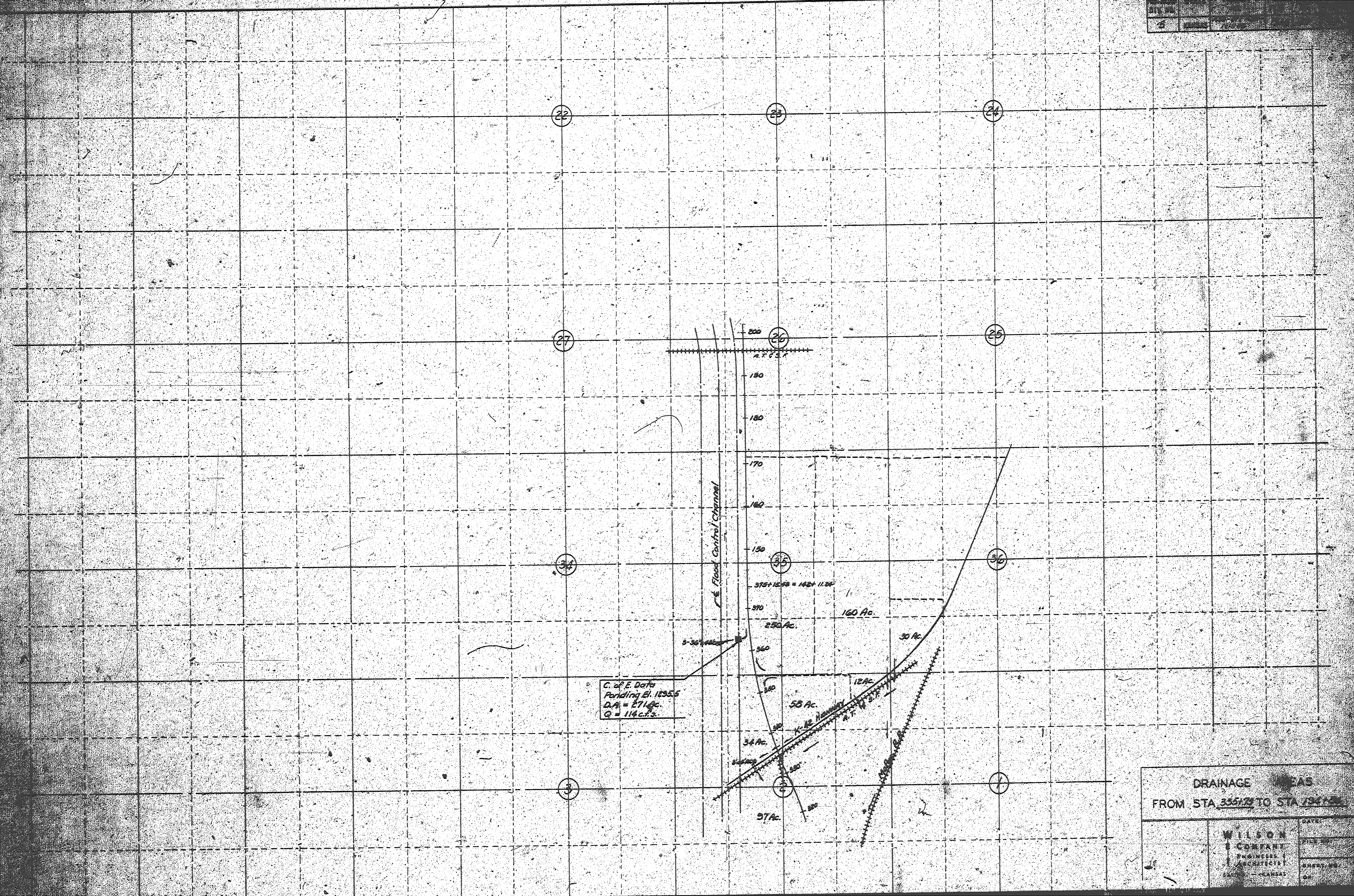
PUB. ROAD	STATE	PROJECT NO.	SCALE	SHEET NO.	TOTAL SHEETS
5	KANSAS	22-111-20	1950	9	49



NO.	DATE	REVISIONS	BY	CHK
1				
2				
3				

STATE HIGHWAY DEPARTMENT OF HIGHWAYS
K-42 INTERCHANGE
 GEOMETRIC COORDINATE LAYOUT

WILSON & COMPANY
 ENGINEERS & ARCHITECTS
 1001 N. 10TH ST., KANSAS CITY, MO.
 DESIGNED BY: J. L. D. CRAY
 CHECKED BY: J. L. D. CRAY



DRAINAGE AREAS	
FROM STA 356+72 TO STA 194+24	
WILSON	DATE
COMPANY	PROJECT
ENGINEER	DRAWN BY
CHECKED BY	APPROVED BY