

STATE OF KANSAS
STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

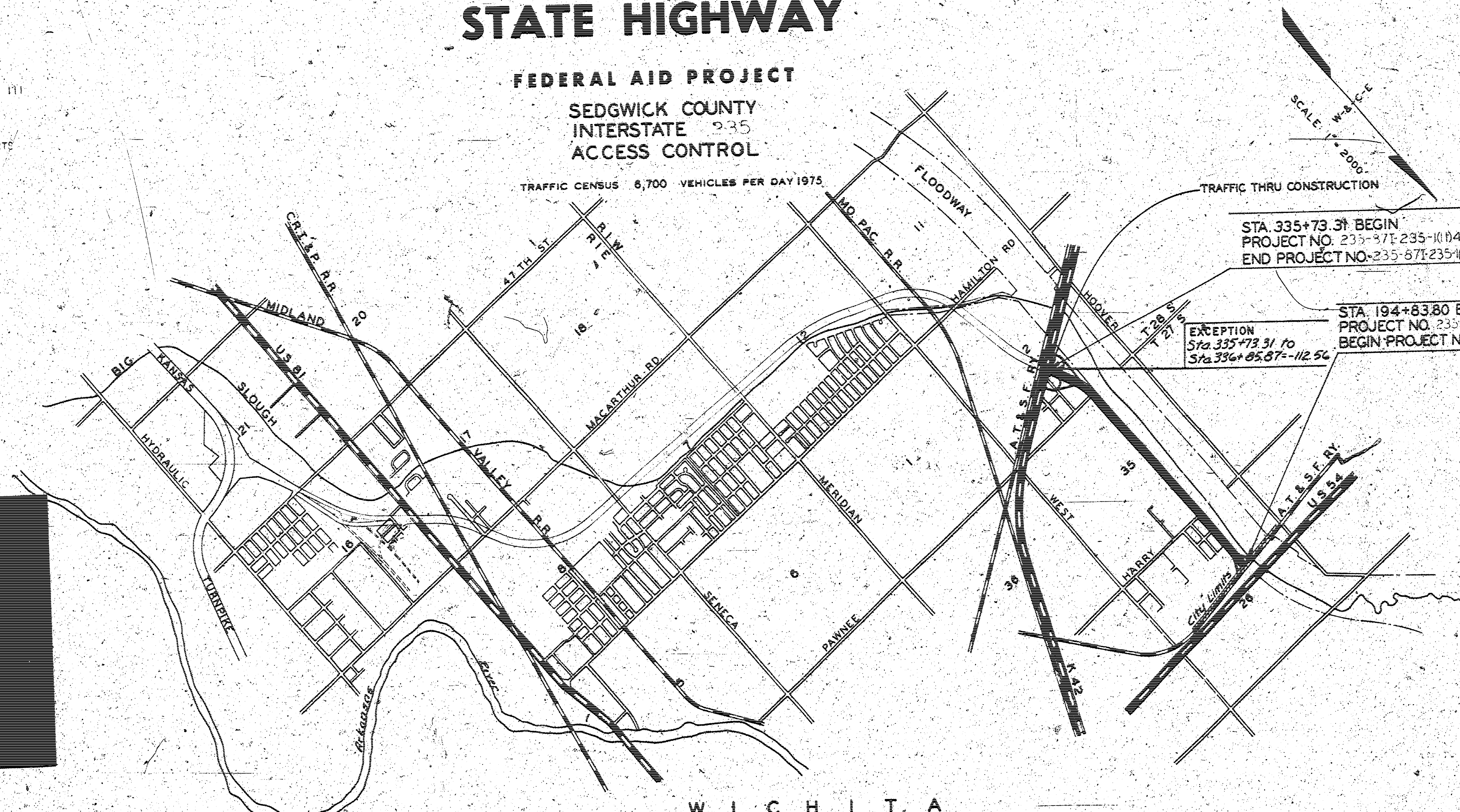
FEDERAL AID PROJECT
SEDGWICK COUNTY
INTERSTATE 235
ACCESS CONTROL

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 ORGAIN 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, 3'x4' 6" & 4'x6" 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

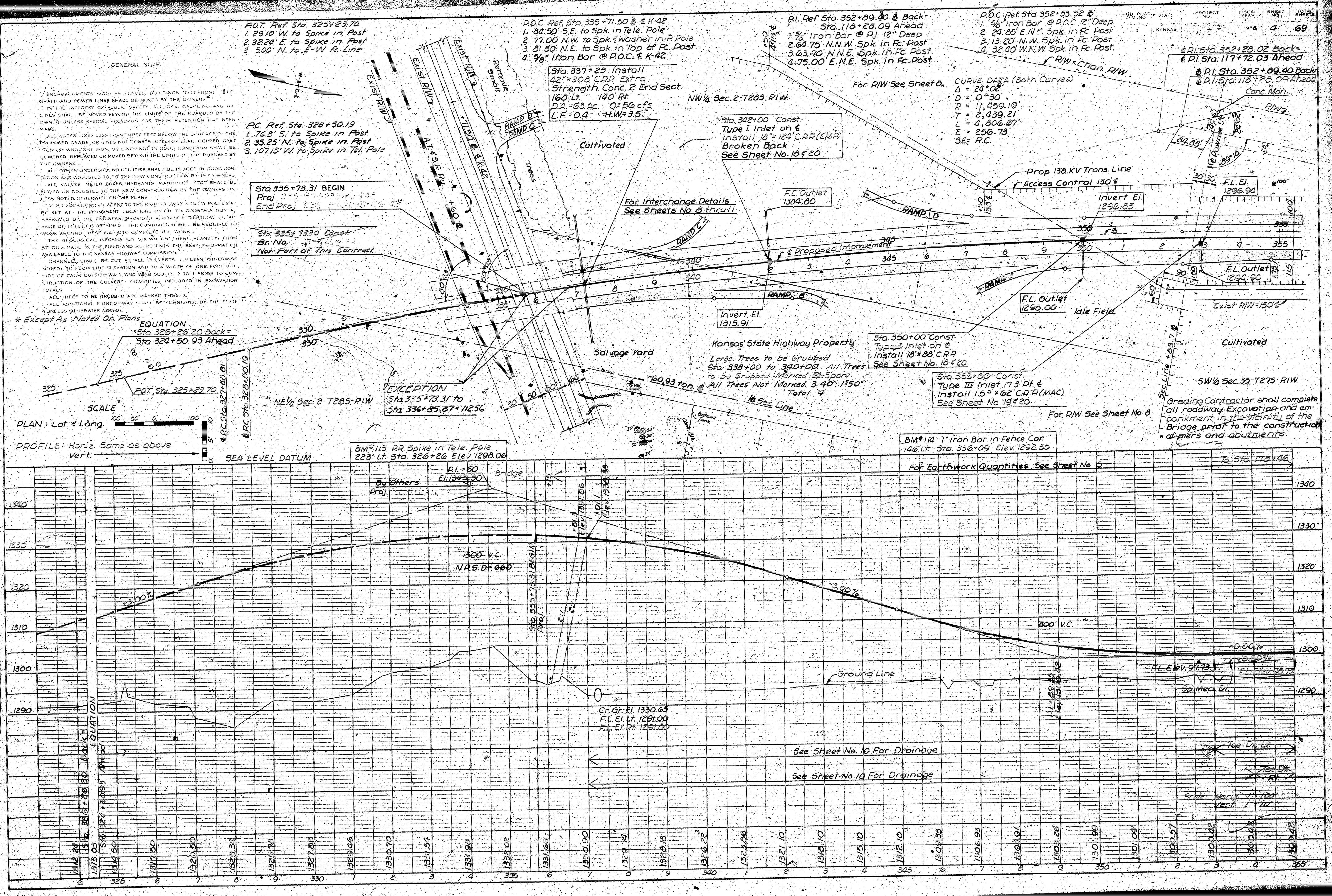
EQUATIONS
STA 375+95.48 BACK = STA 142+11.24 AHEAD
STA 192+46.68 BACK = STA 192+46.43 AHEAD

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

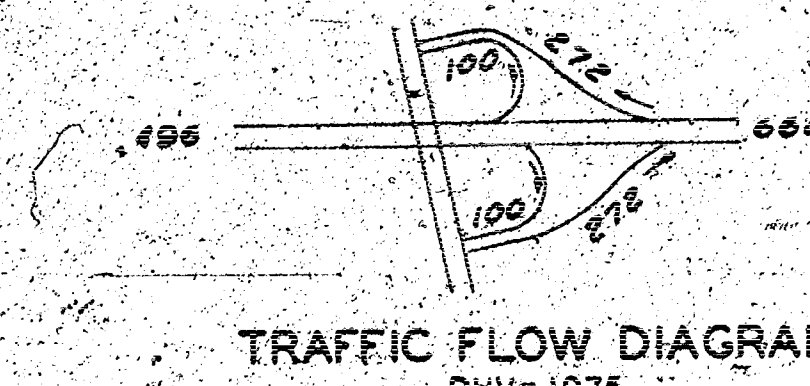
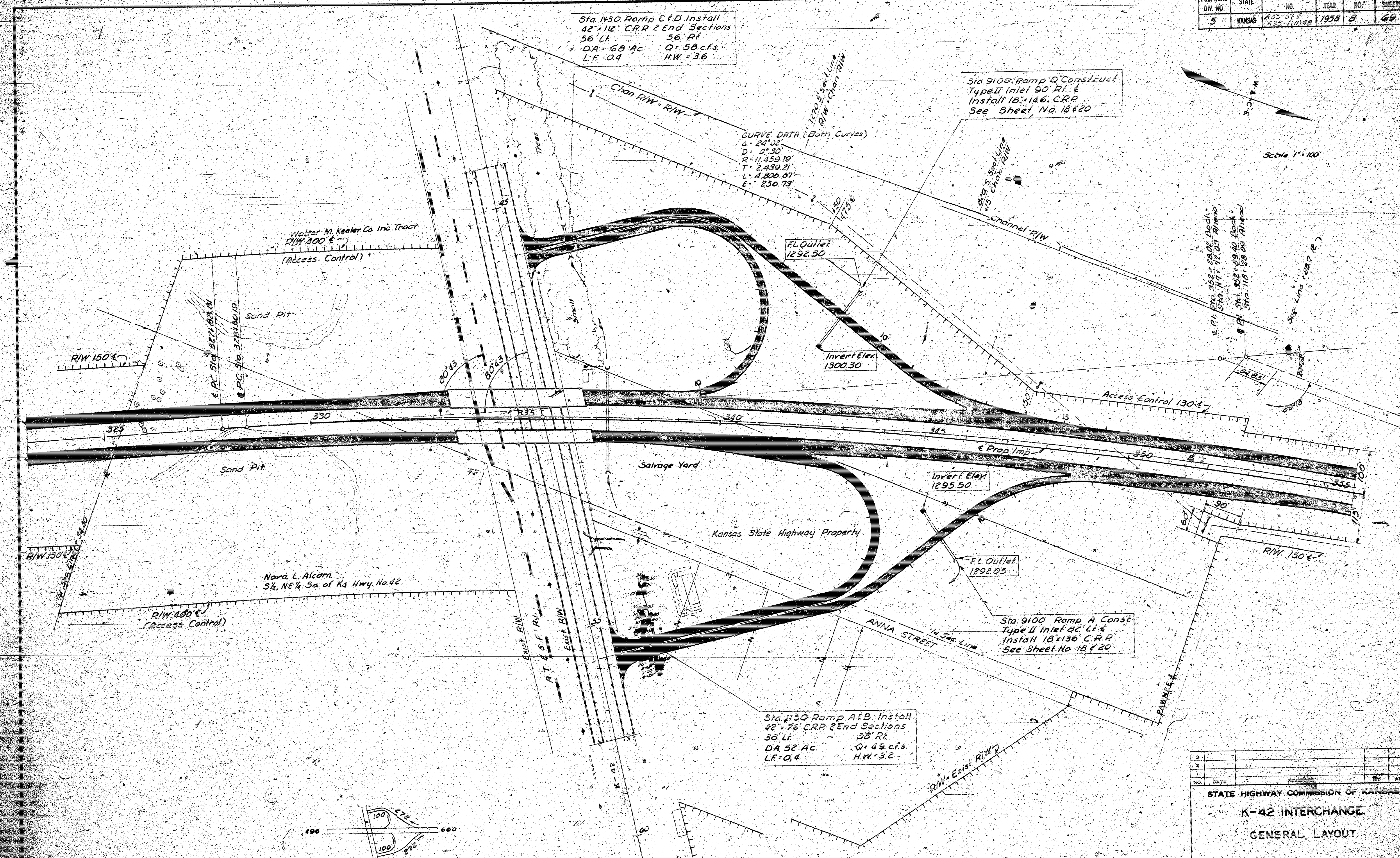
RECOM. FOR APPROVAL DATE	RECOM. FOR APPROVAL DATE
ENGINEER OF DESIGN STATE HIGHWAY COMMISSION OF KANSAS	ENGINEER BUREAU OF PUBLIC ROADS DEPARTMENT OF COMMERCE
APPROVED DATE	APPROVED DATE
STATE HIGHWAY ENGINEER STATE HIGHWAY COMMISSION OF KANSAS	DISTRICT ENGINEER BUREAU OF PUBLIC ROADS DEPARTMENT OF COMMERCE

DATE	BY	REVISION
10/1/58	J. H. HARRIS	1. PREPARED FOR KANSAS HIGHWAY DEPT.
10/1/58	J. H. HARRIS	2. CHECKED BY KANSAS HIGHWAY DEPT.
10/1/58	J. H. HARRIS	3. APPROVED BY KANSAS HIGHWAY DEPT.
10/1/58	J. H. HARRIS	4. FINAL REVIEW BY KANSAS HIGHWAY DEPT.

DATE	BY	REVISION
10/1/58	J. H. HARRIS	1. PREPARED FOR KANSAS HIGHWAY DEPT.
10/1/58	J. H. HARRIS	2. CHECKED BY KANSAS HIGHWAY DEPT.
10/1/58	J. H. HARRIS	3. APPROVED BY KANSAS HIGHWAY DEPT.
10/1/58	J. H. HARRIS	4. FINAL REVIEW BY KANSAS HIGHWAY DEPT.



PUB. ROAD DN. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	135-277 135-10156	1958	8	69



NO.	DATE	REVISIONS	BY	APP'D
1				
2				

STATE HIGHWAY COMMISSION OF KANSAS
K-42 INTERCHANGE
GENERAL LAYOUT

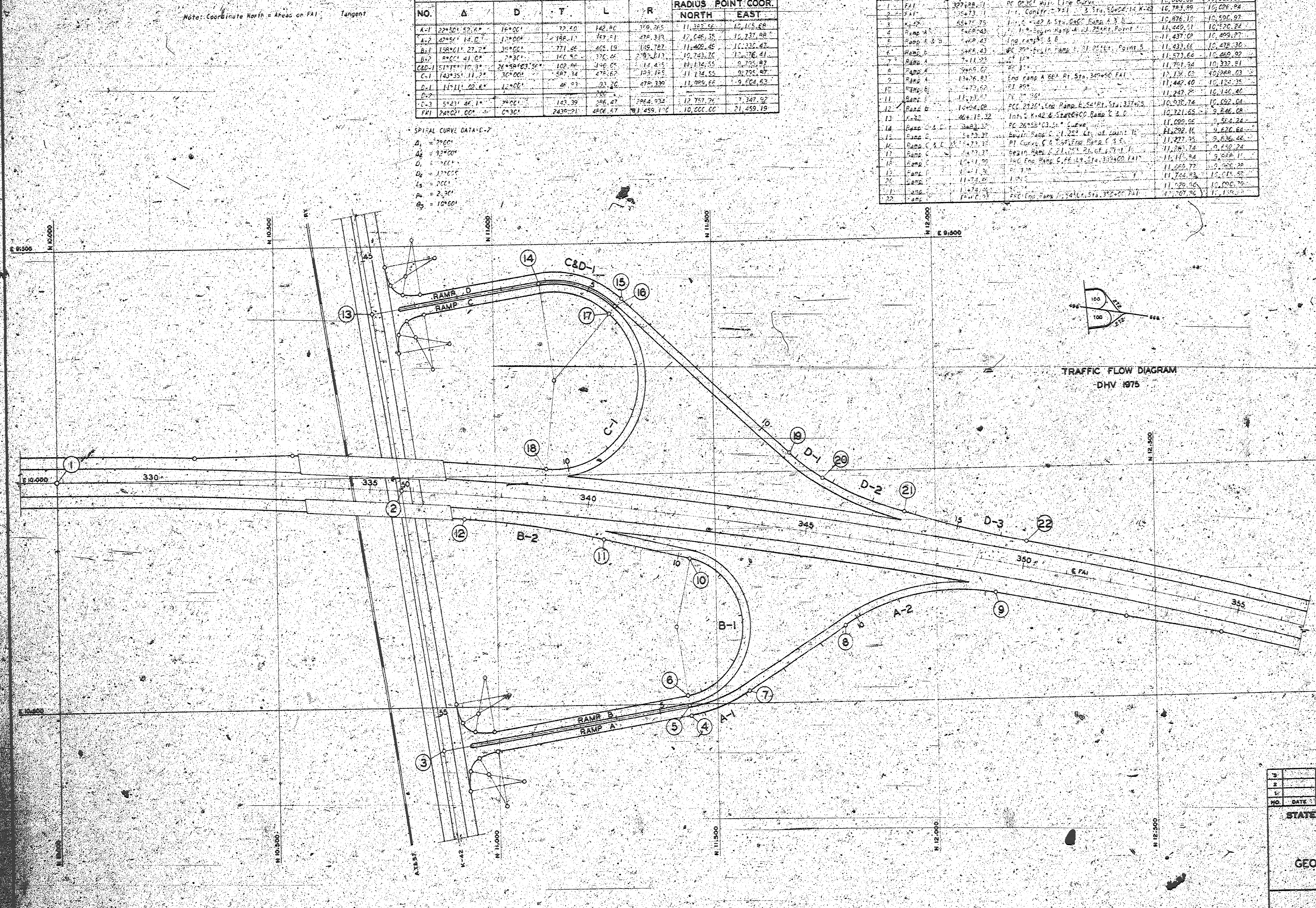
WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA, KANSAS

DESIGNED: DeJulio, TRACED: Carpenter, CHECKED: [Signature]

CURVE DATA						
NO.	Δ	D	T	L	R	RADIUS POINT COOR.
						NORTH EAST
A-1	24°50' 57.4"	36.000	77.50	142.80	119.765	11,322.56 12,415.68
A-2	42°56' 14.0"	12.000	188.11	327.51	479.335	17,646.35 12,131.20
B-1	128°01' 27.2"	30.000	771.26	462.19	1,055.721	11,492.46 12,132.42
B-2	65°01' 41.0"	24.000	415.80	232.06	578.511	10,743.26 12,076.41
C-1	142°35' 11.2"	30.000	587.34	479.60	1,055.721	11,134.55 9,755.87
C-2	57°11' 00.0"	24.000	415.80	232.06	578.511	11,134.55 9,755.87
D-1	117°11' 22.6"	12.000	188.11	327.51	479.335	11,322.56 12,415.68
D-2	57°11' 00.0"	24.000	415.80	232.06	578.511	11,134.55 9,755.87
D-3	142°35' 11.2"	30.000	587.34	479.60	1,055.721	11,134.55 9,755.87
E-1	24°50' 57.4"	36.000	77.50	142.80	119.765	11,322.56 12,415.68

ALIGNMENT DATA				NORTH EAST	
NO.	ROAD	STA	DESCRIPTION		
1	FAI	307.125	PC 24°50' 57.4" Curve	11,322.56	12,415.68
2	FAI	354.73	PT 42°56' 14.0" Curve	17,646.35	12,131.20
3	FAI	482.94	PC 128°01' 27.2" Curve	11,492.46	12,132.42
4	RAMP A	519.43	PT 65°01' 41.0" Curve	10,743.26	12,076.41
5	RAMP A & B	549.53	PC 142°35' 11.2" Curve	11,134.55	9,755.87
6	RAMP A	579.63	PT 57°11' 00.0" Curve	11,134.55	9,755.87
7	RAMP A	609.73	PC 117°11' 22.6" Curve	11,322.56	12,415.68
8	RAMP A	639.83	PT 57°11' 00.0" Curve	11,134.55	9,755.87
9	RAMP A	669.93	PC 142°35' 11.2" Curve	11,134.55	9,755.87
10	RAMP B	699.93	PT 128°01' 27.2" Curve	11,492.46	12,132.42
11	RAMP B	730.03	PC 65°01' 41.0" Curve	10,743.26	12,076.41
12	RAMP B	760.13	PT 24°50' 57.4" Curve	11,322.56	12,415.68
13	RAMP C	790.23	PC 42°56' 14.0" Curve	17,646.35	12,131.20
14	RAMP C	820.33	PT 128°01' 27.2" Curve	11,492.46	12,132.42
15	RAMP C	850.43	PC 65°01' 41.0" Curve	10,743.26	12,076.41
16	RAMP C	880.53	PT 142°35' 11.2" Curve	11,134.55	9,755.87
17	RAMP C	910.63	PT 57°11' 00.0" Curve	11,134.55	9,755.87
18	RAMP C	940.73	PC 117°11' 22.6" Curve	11,322.56	12,415.68
19	RAMP C	970.83	PT 57°11' 00.0" Curve	11,134.55	9,755.87
20	RAMP C	1000.93	PC 142°35' 11.2" Curve	11,134.55	9,755.87
21	RAMP C	1031.03	PT 128°01' 27.2" Curve	11,492.46	12,132.42
22	RAMP C	1061.13	PC 65°01' 41.0" Curve	10,743.26	12,076.41
23	RAMP C	1091.23	PT 24°50' 57.4" Curve	11,322.56	12,415.68
24	RAMP C	1121.33	PC 42°56' 14.0" Curve	17,646.35	12,131.20
25	RAMP C	1151.43	PT 128°01' 27.2" Curve	11,492.46	12,132.42
26	RAMP C	1181.53	PC 65°01' 41.0" Curve	10,743.26	12,076.41
27	RAMP C	1211.63	PT 142°35' 11.2" Curve	11,134.55	9,755.87
28	RAMP C	1241.73	PT 57°11' 00.0" Curve	11,134.55	9,755.87
29	RAMP C	1271.83	PC 117°11' 22.6" Curve	11,322.56	12,415.68
30	RAMP C	1301.93	PT 57°11' 00.0" Curve	11,134.55	9,755.87
31	RAMP C	1332.03	PC 142°35' 11.2" Curve	11,134.55	9,755.87
32	RAMP C	1362.13	PT 128°01' 27.2" Curve	11,492.46	12,132.42
33	RAMP C	1392.23	PC 65°01' 41.0" Curve	10,743.26	12,076.41
34	RAMP C	1422.33	PT 24°50' 57.4" Curve	11,322.56	12,415.68
35	RAMP C	1452.43	PC 42°56' 14.0" Curve	17,646.35	12,131.20
36	RAMP C	1482.53	PT 128°01' 27.2" Curve	11,492.46	12,132.42
37	RAMP C	1512.63	PC 65°01' 41.0" Curve	10,743.26	12,076.41
38	RAMP C	1542.73	PT 142°35' 11.2" Curve	11,134.55	9,755.87
39	RAMP C	1572.83	PT 57°11' 00.0" Curve	11,134.55	9,755.87
40	RAMP C	1602.93	PC 117°11' 22.6" Curve	11,322.56	12,415.68
41	RAMP C	1633.03	PT 57°11' 00.0" Curve	11,134.55	9,755.87
42	RAMP C	1663.13	PC 142°35' 11.2" Curve	11,134.55	9,755.87
43	RAMP C	1693.23	PT 128°01' 27.2" Curve	11,492.46	12,132.42
44	RAMP C	1723.33	PC 65°01' 41.0" Curve	10,743.26	12,076.41
45	RAMP C	1753.43	PT 24°50' 57.4" Curve	11,322.56	12,415.68
46	RAMP C	1783.53	PC 42°56' 14.0" Curve	17,646.35	12,131.20
47	RAMP C	1813.63	PT 128°01' 27.2" Curve	11,492.46	12,132.42
48	RAMP C	1843.73	PC 65°01' 41.0" Curve	10,743.26	12,076.41
49	RAMP C	1873.83	PT 142°35' 11.2" Curve	11,134.55	9,755.87
50	RAMP C	1903.93	PT 57°11' 00.0" Curve	11,134.55	9,755.87
51	RAMP C	1934.03	PC 117°11' 22.6" Curve	11,322.56	12,415.68
52	RAMP C	1964.13	PT 57°11' 00.0" Curve	11,134.55	9,755.87
53	RAMP C	1994.23	PC 142°35' 11.2" Curve	11,134.55	9,755.87
54	RAMP C	2024.33	PT 128°01' 27.2" Curve	11,492.46	12,132.42
55	RAMP C	2054.43	PC 65°01' 41.0" Curve	10,743.26	12,076.41
56	RAMP C	2084.53	PT 24°50' 57.4" Curve	11,322.56	12,415.68
57	RAMP C	2114.63	PC 42°56' 14.0" Curve	17,646.35	12,131.20
58	RAMP C	2144.73	PT 128°01' 27.2" Curve	11,492.46	12,132.42
59	RAMP C	2174.83	PC 65°01' 41.0" Curve	10,743.26	12,076.41
60	RAMP C	2204.93	PT 142°35' 11.2" Curve	11,134.55	9,755.87
61	RAMP C	2235.03	PT 57°11' 00.0" Curve	11,134.55	9,755.87
62	RAMP C	2265.13	PC 117°11' 22.6" Curve	11,322.56	12,415.68
63	RAMP C	2295.23	PT 57°11' 00.0" Curve	11,134.55	9,755.87
64	RAMP C	2325.33	PC 142°35' 11.2" Curve	11,134.55	9,755.87
65	RAMP C	2355.43	PT 128°01' 27.2" Curve	11,492.46	12,132.42
66	RAMP C	2385.53	PC 65°01' 41.0" Curve	10,743.26	12,076.41
67	RAMP C	2415.63	PT 24°50' 57.4" Curve	11,322.56	12,415.68
68	RAMP C	2445.73	PC 42°56' 14.0" Curve	17,646.35	12,131.20
69	RAMP C	2475.83	PT 128°01' 27.2" Curve	11,492.46	12,132.42
70	RAMP C	2505.93	PC 65°01' 41.0" Curve	10,743.26	12,076.41
71	RAMP C	2536.03	PT 142°35' 11.2" Curve	11,134.55	9,755.87
72	RAMP C	2566.13	PT 57°11' 00.0" Curve	11,134.55	9,755.87
73	RAMP C	2596.23	PC 117°11' 22.6" Curve	11,322.56	12,415.68
74	RAMP C	2626.33	PT 57°11' 00.0" Curve	11,134.55	9,755.87
75	RAMP C	2656.43	PC 142°35' 11.2" Curve	11,134.55	9,755.87
76	RAMP C	2686.53	PT 128°01' 27.2" Curve	11,492.46	12,132.42
77	RAMP C	2716.63	PC 65°01' 41.0" Curve	10,743.26	12,076.41
78	RAMP C	2746.73	PT 24°50' 57.4" Curve	11,322.56	12,415.68
79	RAMP C	2776.83	PC 42°56' 14.0" Curve	17,646.35	12,131.20
80	RAMP C	2806.93	PT 128°01' 27.2" Curve	11,492.46	12,132.42
81	RAMP C	2837.03	PC 65°01' 41.0" Curve	10,743.26	12,076.41
82	RAMP C	2867.13	PT 142°35' 11.2" Curve	11,134.55	9,755.87
83	RAMP C	2897.23	PT 57°11' 00.0" Curve	11,134.55	9,755.87
84	RAMP C	2927.33	PC 117°11' 22.6" Curve	11,322.56	12,415.68
85	RAMP C	2957.43	PT 57°11' 00.0" Curve	11,134.55	9,755.87
86	RAMP C	2987.53	PC 142°35' 11.2" Curve	11,134.55	9,755.87
87	RAMP C	3017.63	PT 128°01' 27.2" Curve	11,492.46	12,132.42
88	RAMP C	3047.73	PC 65°01' 41.0" Curve	10,743.26	12,076.41
89	RAMP C	3077.83	PT 24°50' 57.4" Curve	11,322.56	12,415.68
90	RAMP C	3107.93	PC 42°56' 14.0" Curve	17,646.35	12,131.20
91	RAMP C	3138.03	PT 128°01' 27.2" Curve	11,492.46	12,132.42
92	RAMP C	3168.13	PC 65°01' 41.0" Curve	10,743.26	12,076.41
93	RAMP C	3198.23	PT 142°35' 11.2" Curve	11,134.55	9,755.87
94	RAMP C	3228.33	PT 57°11' 00.0" Curve	11,134.55	9,755.87
95	RAMP C	3258.43	PC 117°11' 22.6" Curve	11,322.56	12,415.68
96	RAMP C	3288.53	PT 57°11' 00.0" Curve	11,134.55	9,755.87
97	RAMP C	3318.63	PC 142°35' 11.2" Curve	11,134.55	9,755.87
98	RAMP C	3348.73	PT 128°01' 27.2" Curve	11,492.46	12,132.42
99	RAMP C	3378.83	PC 65°01' 41.0" Curve	10,743.26	12,076.41
100	RAMP C	3408.93	PT 24°50' 57.4" Curve	11,322.56	12,415.68

PUB. ROAD	STATE	PROJECT NO.	SCALE	SHEET NO.	TOTAL SHEETS
5	KANSAS	1930	1" = 100'	9	49



STATE HIGHWAY COMMISSION OF KANSAS

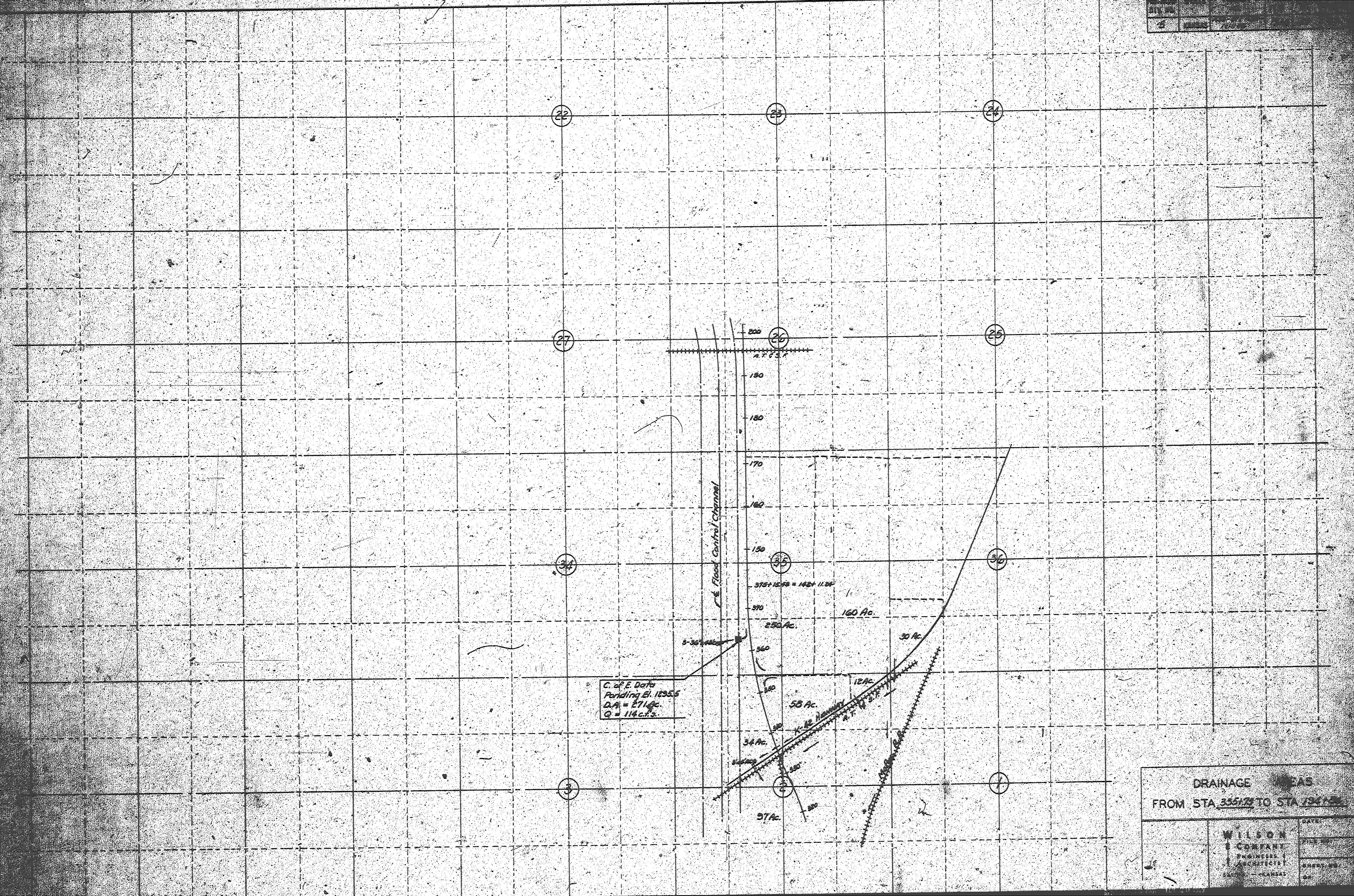
K-42 INTERCHANGE

GEOMETRIC COORDINATE LAYOUT

WILSON & COMPANY

ENGINEERS & ARCHITECTS

DESIGNED BY J. L. D. CRAY



DRAINAGE AREAS	
FROM STA 356+72 TO STA 194+24	
WILSON	DATE
COMPANY	PROJECT NO.
ENGINEER	DESIGNED BY
DRAWN BY	CHECKED BY