STATE OF KANSAS

STATE HIGHWAY COMMISSION

PROJECT 35W-87I-35W-1(25)50

INDEX OF SHEETS
See Sheet No 2

Br. No. 35W-87-18.31

Br. No. 35W-87-18.18

Br. No. 35W-87-18.09

Br. No. 35W-87-17.79

PLAN AND PROFILE OF PROPOSED

STATE HIGHWAY

FEDERAL AID PROJECT

SEDGWICK COUNTY
INTERSTATE 35W
ACCESS CONTROL

TRAFFIC CENSUS 2[illegible] VEHICLES PER DAY [illegible]

35W-87-25.62

35W-87-25.66

BEGIN Proj. 35W-87I-35W-1(25)50 PART II

PRELIMINARY DRAWING

Br. No. 35W-87-25.92

Br. No. 35W-87-25.87

END Proj. 35W-87I-35W-1(25) 50 PART II

END Proj. 35W-87I-35W-1(25)50 PART I

BEGIN Proj. 35W-87I-35W-1(25)50 PART II

Br. No. 35W-87-18.11

Br. No. 35W-87-19.80

WILSON & COMPANY ENGINEERS

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		
BOARD FENCE	TELEPHONE OR TELEGRAPH LINE		
UNFENCED PROPERTY	MARSH		
RIGHT OF WAY LINE	HEDGE		
TRAVELLED WAY	TREES		
RAILROADS	GRADE ELEVATION		
ACCESS CONTROL	CITY LIMITS		

GROSS LENGTH OF PROJECT

EXCEPTIONS

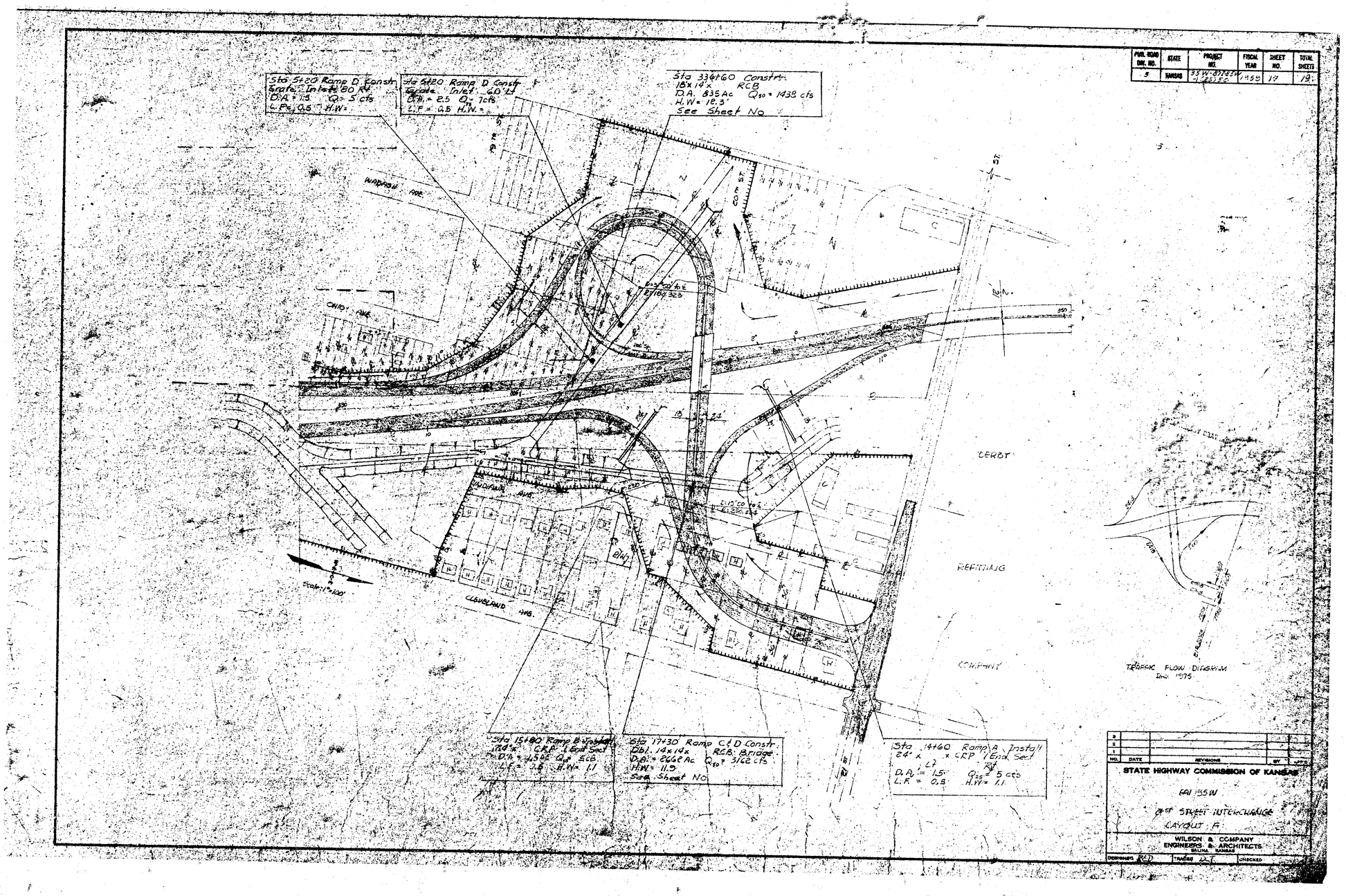
ADDITIONS

NET LENGTH OF PROJECT [illegible] MILES

NET LENGTH OF BRIDGES [illegible] MILES

NET LENGTH OF ROAD [illegible] MILES

ENGINEER OF DESIGN STATE HIGHWAY COMMISSION	ENGINEER BUREAU OF PUBLIC ROADS DEPARTMENT OF COMMERCE
STATE HIGHWAY ENGINEER STATE HIGHWAY COMMISSION OF KANSAS	DISTRICT ENGINEER BUREAU OF PUBLIC ROADS DEPARTMENT OF COMMERCE



PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-87-35W -1(23)50	1959	17	19

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

STATE HIGHWAY COMMISSION OF KANSAS

FAI 35W

21st STREET INTERCHANGE

LAYOUT A

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA, KANSAS

DESIGNED RED | TRACED D.T. | CHECKED

P.O.T. Ref. Sta 340+76.14
1.
2. 02.60' S. Spike in 70" Elm.
3. 77.40' S.S.W. Spike in 40" Elm.
4. 47.75' N. Spike in top Fence Post.

Curve Data
Δ = 30° 27' 55"
D_c = 2°00'
L_s = 200'
L_c = 1323.27'
T_t = 880.29'
E_s = 104.92'
X_c = 199.98'
Y_c = 2.33'
θ_s = 1°00'
T.S. = Sta 343+80.07
S.C. = Sta 345+80.07
C.S. = Sta 359+03.34
S.T. = Sta 361+03.34

P.O.S.T. Ref. Sta 346+22.70
1.
2. 28.60' S. Spike in Power Pole.
3. 59.37' N.N.W. Spike in Power Pole.
4. 62.20' S.S.W. Spike in top Fence Post.

P.I. Ref. Sta 352+60.36
1.
2. 68.56' N.W. Spike in Telephone Pole.
3. 07.85' N. to E. Rail
4. 07.80' E. to W. Edge of Tanks.
5. 40.90' N.W. to End of Fence.

PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-871-35W -1-22152	1959	7	

Sta. 343+11± END P.I.E. BEGIN Project 35W-871-35W-1(22152)
E.W.T.
Should Limited Access Owned Under Bridge?
Warehouse
Metal Building
Kansas Texas Oil Co.
Tank Storage Area
Engineering Building
Derby Oil Co.
Lumber Yard
Concrete Slab
Drainage Basin
Concrete Foundation
2'x3' Drainage Basin
Industrial Sewer
Conduit Box
Water Meter
Guard Rail
Guard Posts
Guard Roof Sewer Vent
Head Box Curb Inlet
Elev. 1308.9
Elev. 1314.9
Elev. 1319.4
Exist. 2-19" CMP
12"-15"-40' (MINIMUM)
Ohio St. (Construction)
STREET
Bridge
Tank
Stacks
Tank Area
(R/W?)
(R/W-50')
(L.A.=50')
345
350
355
340
SECTION A-A
D: 11.5', n: .013, S: .001'/'
A: 355.6 sq. ft. R: 6.42 ft. V: 10.10'
V: 9.77', Q: 3590 cu. ft. (50%)
BM #23 3/4" Iron Bar Sta 345+20 - 926' Rt. Elev. 1307.49
BM #24 3/4" Iron Bar Sta 348+20 - 225' Lt. Elev. 1310.90

Scale 1" = 50'

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

STATE HIGHWAY COMMISSION OF KANSAS

PLAN

STA. 340+00 - STA. 355+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA, KANSAS

DESIGNED | TRACED | CHECKED

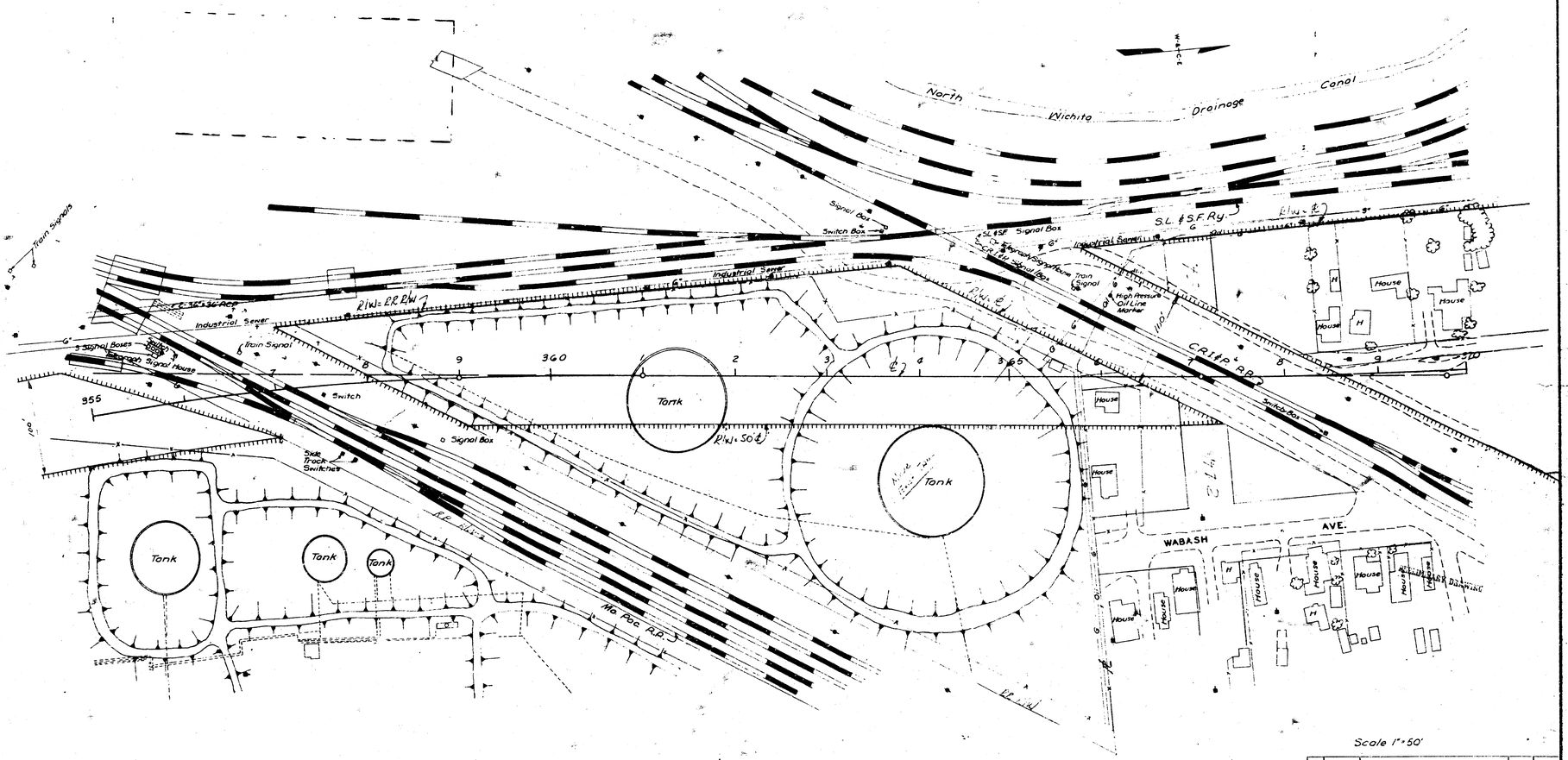
P.O.S.T. Ref. Sta 357+05.66
1.
2. 39.63' N. to Spike in Telegraph Pole.
3. 32.57' S.W. to Spike in Telegraph Pole.
4. 55.31' W. to top of Fence Corner.

P.O.T. Ref. Sta. 365+27.98 ℄ Dike
1. 3/8" Iron Bar
2. 17.15' N.W. to S.E. Cor. of Bldg.
3. 30.22' N. to T-Rail.

Curve Data
Δ = 5°21'49"
D_c = 1°00'
T = 268.38'
L = 536.36'
E = 6.28'
P.C. = Sta 367+12.13
P.T. = Sta 372+48.49

P.I. Ref. Sta 369+80.51
1. 3/8" Iron Bar
2. 22.62' W. Spike in Power Pole.
3. 40.19' N.N.W. Spike in 30" Tree.
4. 76.35' E. Spike in Telegraph Pole.

PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-87T-35W -1-(25)50	1959	9	



Scale 1" = 50'

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

STATE HIGHWAY COMMISSION OF KANSAS

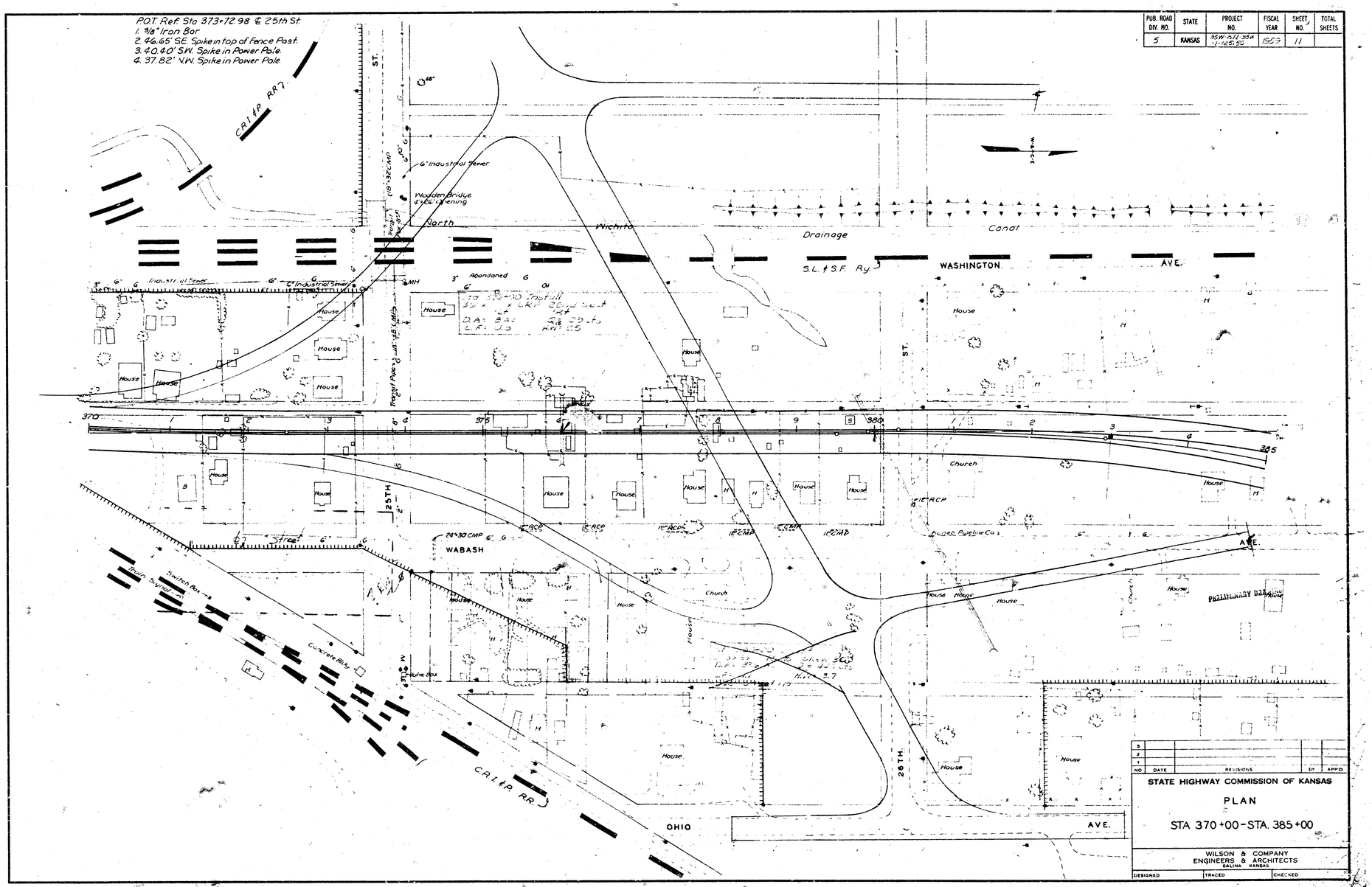
PLAN

STA. 355+00 - STA. 370+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA, KANSAS

DESIGNED | TRACED | CHECKED

B.M. # 25 3/4" Iron Bar
Sta 366+07 - 164' Lt.
Elev. 1311.52



PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-87E-35A -1-125.50	1959	11	

NO	DATE	REVISIONS	BY	APP'D
3				
2				
1				

STATE HIGHWAY COMMISSION OF KANSAS

PLAN

STA 370+00 - STA. 385+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA KANSAS

DESIGNED | TRACED | CHECKED

PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-81F-33K (-1651-50)	1959	20	27

Sta 4+60 25th St Const
50' Bottom Paved Ditch 2:1 SS
Under Bridge
D.A.: 852 Ac. Q=1030 cfs
L.F. 1.0 H.W.: 3.5

Sta 5+50 Ramp C Const
24' Bottom Pave'd Ditch 2:1 SS
Under Bridge
D.A.: 852 Ac. Q=1030 cfs
L.F. 1.0 H.W.: 3.5

Sta 4+60 25th St Const
5'x4' RCB
D.A.: 32 Ac Q=70 cfs
L.F. 1.0 H.W.: 3.0

Sta 10+50 Ramp D Const
Paved Ditch 2:1 SS
Under Bridge
D.A.: 4.5 cfs
L.F. = H.W.: 4.0

Sta 10+50 Ramp D Const
10' Bottom Paved Ditch
2:1 SS
D.A.: 284 Ac. - 260 cfs
L.F. 1.0 H.W. 3.8

"50' Bottom Ditch
2:1 SS
S= 0.0025'

Mainline Curve Data
Δ: 5°21'28.86"
D: 1°00'
T: 268.38
L: 536.36
E: 6.28
Rc: 5729.12.18
R: 5721.55.95

Sta 7+50 Ramp B Install
30'x ' x CRP & end Sect
'L'
D.A.: 6 Ac Q= 69 cfs
L.F.: 0.8 H.W.: 2.4

Sta 7+50 Ramp B Install
30'x ' x CRP & end Sect
'L'

Sta 10+50 Const
6'-10'x4' RCB
D.A. 40 Ac Q 576 cfs
L.F. 1.0 H.W.: 4.7

Sta 16+00 Frontage Road Install
36" x CRP & End Sect.

Mainline Curve Data (℄)
Δ: 46° 33' 22.37"
D: 5°00'
Ls: 300'
Lc: 1251.88'
Ts: 972.54'
Rc: 1145.91'
Ys: 26.21'
θs: 8° 30'
T.S.: 378+91.79
S.C.: 382+91.79
C.S.: 395+43.67
S.T.: 398+43.67
S.E.: 0.0774 ft/ft

Note: All turns are AASHO C-03

PRELIMINARY DRAFTING

NO	DATE	REVISIONS	BY	APP'D
3				
2				
1				

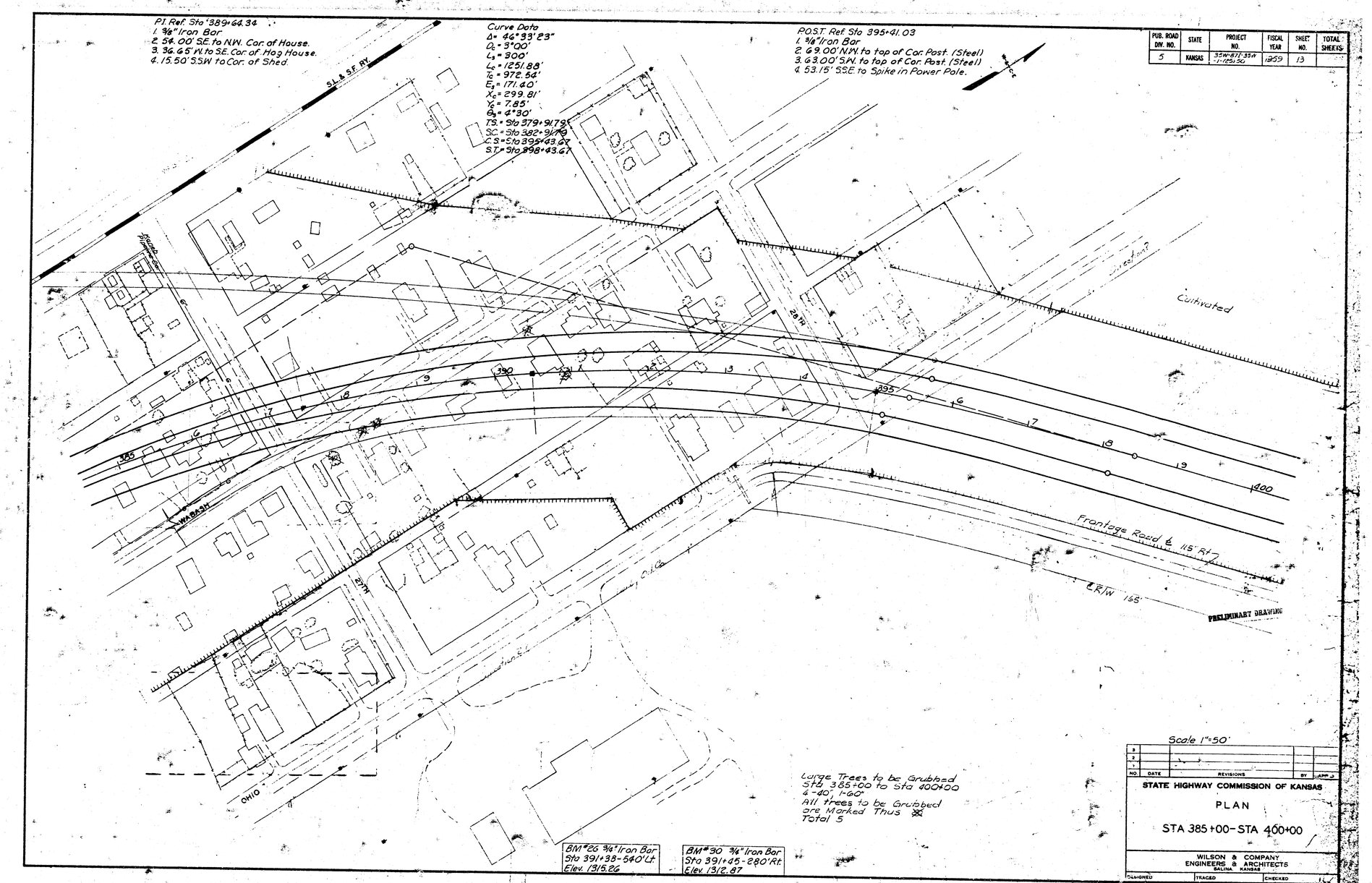
STATE HIGHWAY COMMISSION OF KANSAS

PRELIMINARY LAYOUT SKETCH

25TH STREET INTERCHANGE

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA, KANSAS

DESIGNED LCT | TRACED LCT | CHECKED



PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-87I-35W-1-(25)50	1959	13	

Scale 1"=50'

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

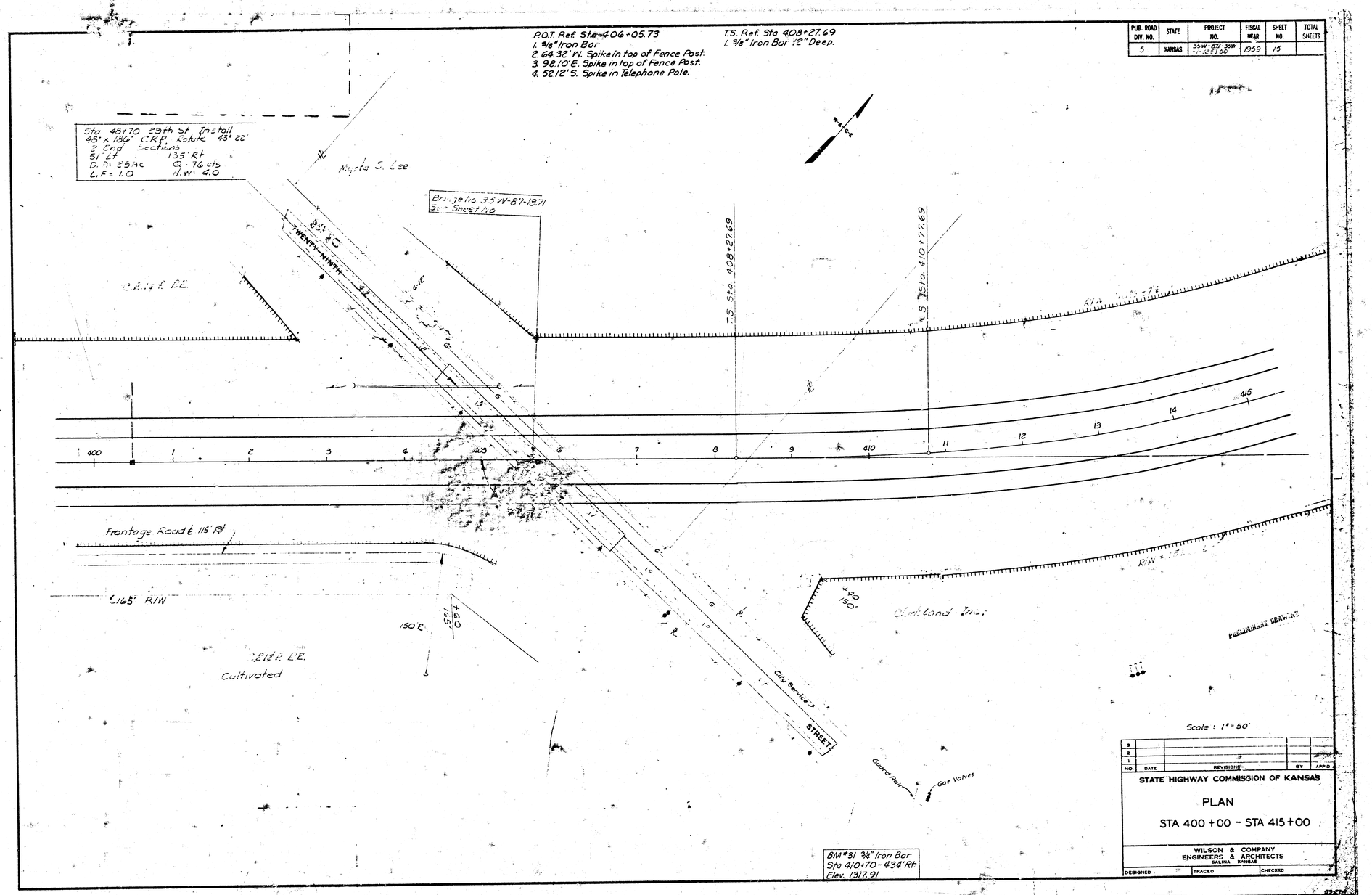
STATE HIGHWAY COMMISSION OF KANSAS

PLAN

STA 385+00 - STA 400+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA KANSAS

DESIGNED | TRACED | CHECKED



PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-87-35W-1-125)50	1959	15	

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

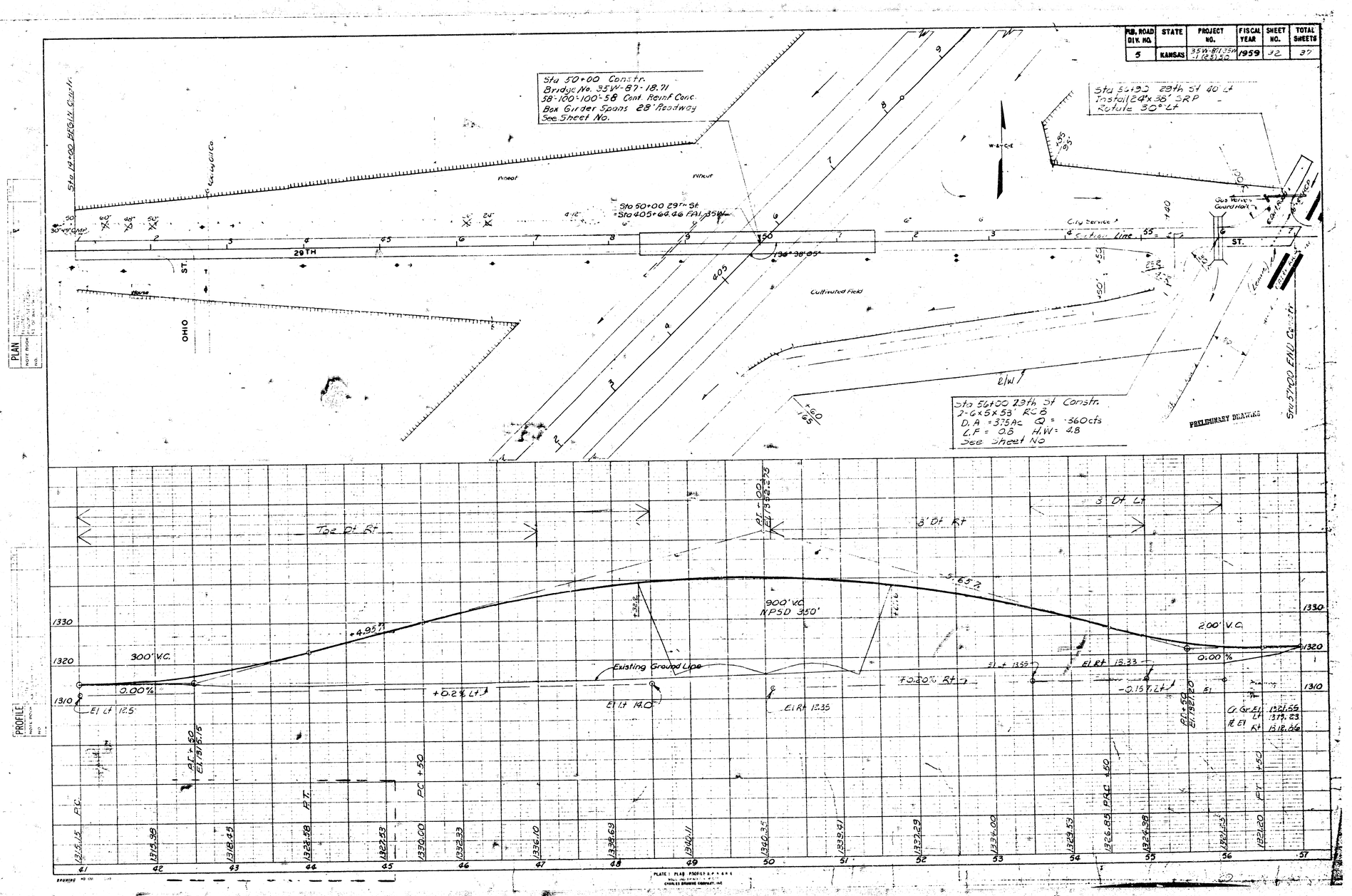
STATE HIGHWAY COMMISSION OF KANSAS

PLAN

STA 400+00 - STA 415+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA KANSAS

DESIGNED | TRACED | CHECKED



FED. ROAD DIV. NO. 5
STATE KANSAS
PROJECT NO. 35W-87-1 35W-1 (25) 50
FISCAL YEAR 1959
SHEET NO. 32
TOTAL SHEETS 37
Sta 50+00 Constr.
Bridge No. 35W-87-18.71
58'-100'-100'-58 Cont. Reinf Conc.
Box Girder Spans 28' Roadway
See Sheet No.
Sta 14+00 BEGIN Constr.
Sta 50+00 29th St
Sta 405+64.46 FAI 35W
Sta 56+00 29th St 40' Lt
Install 24"x38' SRP
Rotate 30° Lt
Sta 56+00 29th St Constr.
2-6x5x53' RCB
D.A = 375 Ac Q = 360 cfs
L.F = 0.8 H.W = 4.8
See Sheet No
Sta 57+00 END Constr.
29TH
ST.
OHIO
Wheat
Cultivated Field
City Service
Section Line
Gas Valves Guard Rail
PRELIMINARY DRAWING
PLAN
PROFILE
Toe Dt Rt
3' Dt Rt
3' Dt Lt
900' V.C.
NPSD 350'
300' V.C.
200' V.C.
+4.95%
-5.65%
0.00%
+0.2% Lt
+0.20% Rt
-0.15% Lt
Existing Ground Line
El Lt 12.5
El Lt 14.0
El Rt 12.35
El Rt 13.33
P.C.
P.T.
PC +50
PRC +50
PT +50
1330
1320
1310
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57

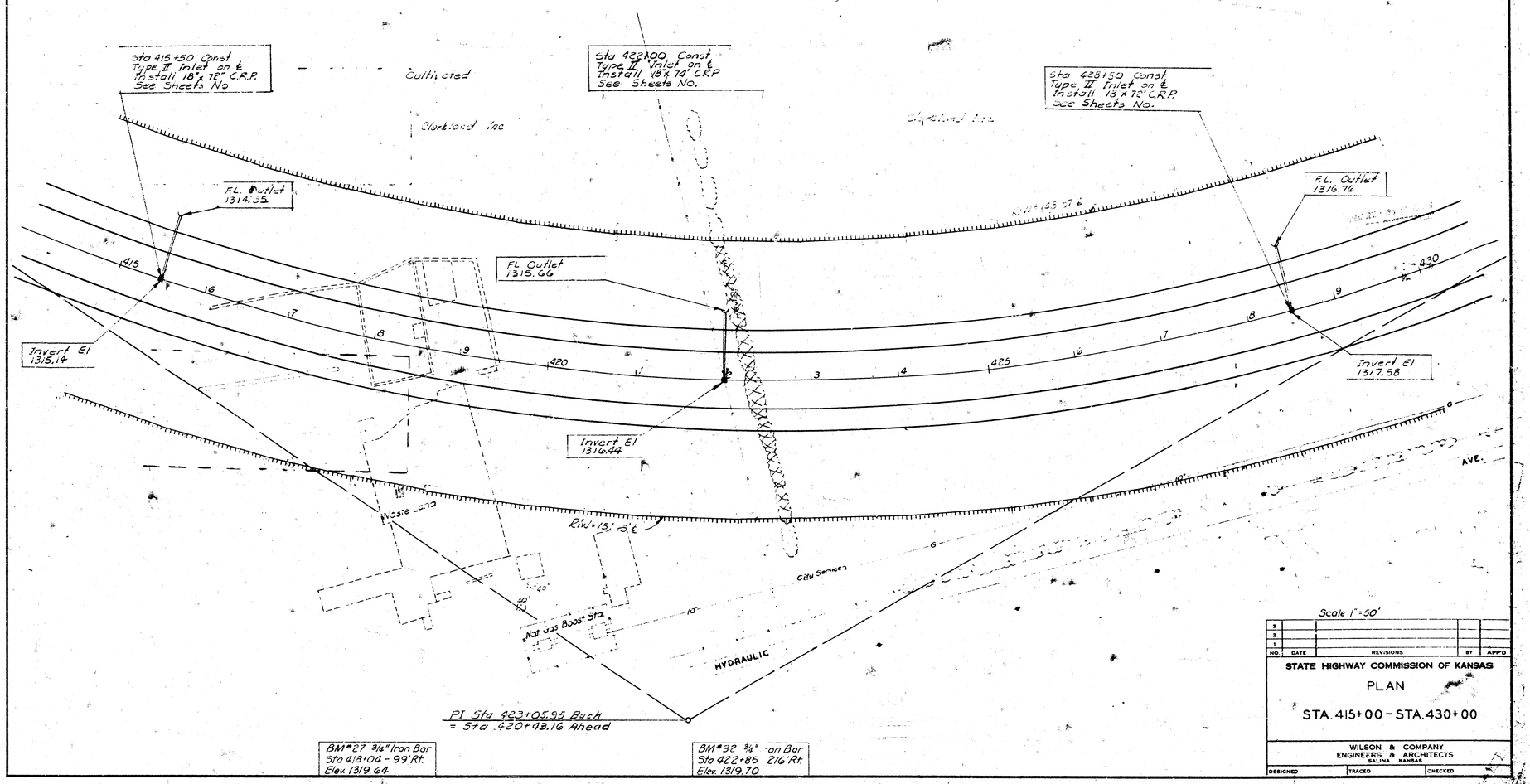
PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	55W-87I-35W -1-(25)50	1959	17	

P.O.S.T. Ref. Sta 418+63.45
1.
2. 36.50' N. to S.W. Cor. of Bldg. Remains.
3. 50.00' N.W. to 6" Hackberry Tree.
4. 09.55' N. to S. Edge of Foundation.

Curve Data PI Sta 423+05.95
$\Delta = 61°05'36''$
$D_c = 2°30'$ R=2292.01'
$L_s = 250'$
$L_c = 2193.73'$
$T_c = 1478.26'$
$E_s = 370.67'$
$X_c = 249.93'$
$Y_c = 4.54'$
$\theta_s = 3°07'30''$
T.S. = Sta 408+27.69
S.C. = Sta 410+77.69
C.S. = Sta 432+71.42
S.T. = Sta 435+21.42
SE = 0.06'/ft

P.I. Ref. Sta 423+05.95
1. 3/8" Iron Bar
2. 96.10' S.E. to Telegraph Pole.
3. 64.85' N.W. Spike in Telephone Pole.
4. 109.65' S.W. Spike in Telephone Pole.

P.O.S.T. Ref. Sta. 423+86.67
1. 3/8" Iron Bar
2. 26.05' S. Spike in Hedge Stump.
3. 03.00' E. to N.-S. Hedge.
4. 19.98' N. to Spike in 12" Hedge.



Scale 1" = 50'

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

STATE HIGHWAY COMMISSION OF KANSAS

PLAN

STA. 415+00 - STA. 430+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA KANSAS

DESIGNED | TRACED | CHECKED

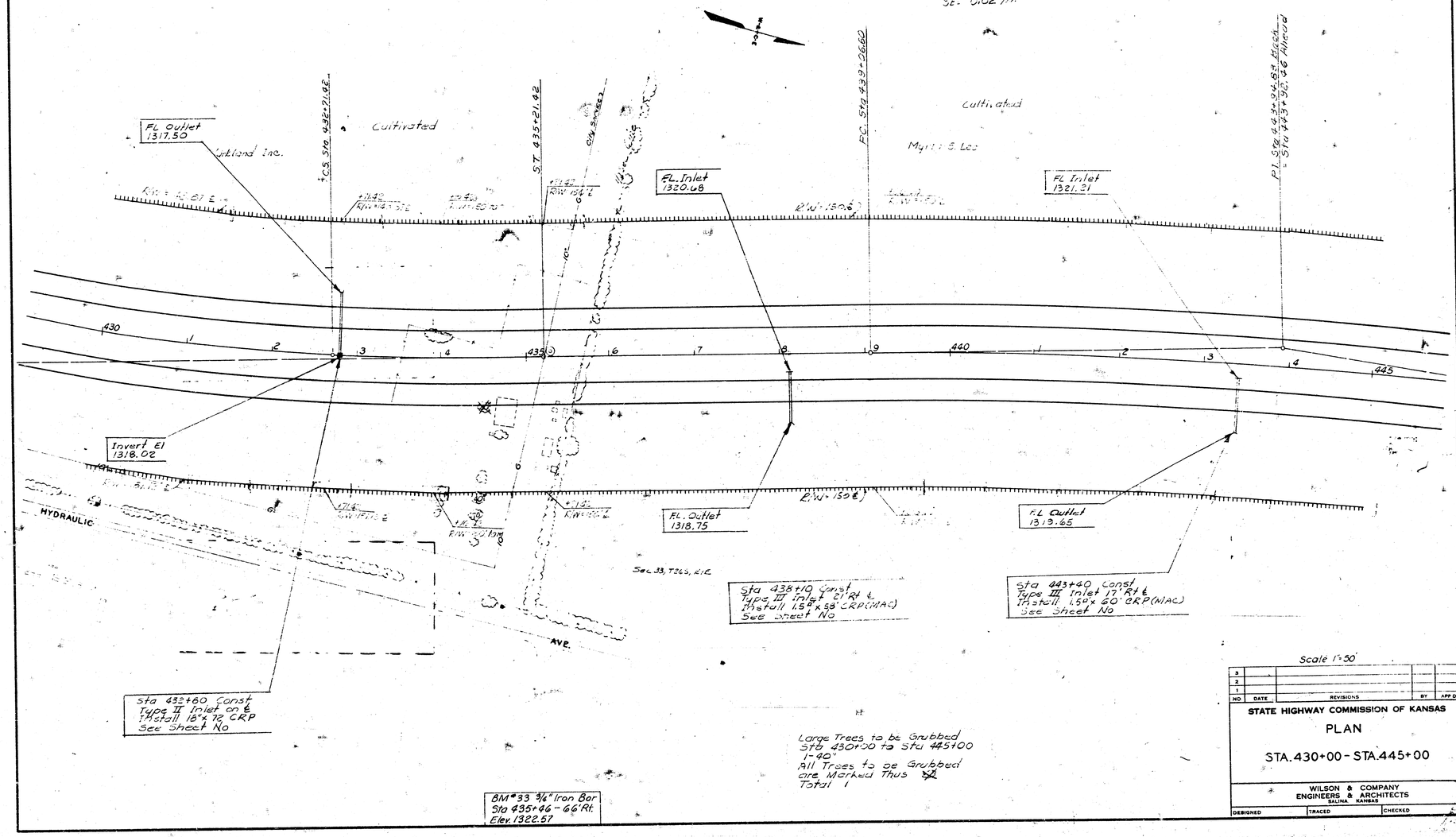
PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	35W-81(-35)-1-125,30	1959	19	

S.T. Ref. Sta 435+21.42
1. 3/8" Iron Bar
2. 56.65' S.S.W. Spike in top Fence Post.
3. 27.80' N.N.E. Spike in top Fence Post.
4. 61.90' N.W. Spike in Hedge Tree.

P.O.T. Ref. Sta 435+64.35
1. 3/8" Iron Bar
2. 31.88' W. Spike in Hedge Tree
3. 27.05' E.N.E. Spike in top Fence Post.
4. 34.15' E.S.E. Spike in top Fence Post.

Curve Data
Δ = 9°44'27"
D = 1°00'
T = 488.23'
L = 974.09'
E = 20.76'
P.C. = Sta 439+06.60
P.T. = Sta 448+80.69
R = 5729.65
S.E. 0.02'/ft.

P.I. Ref. Sta 443+94.83
3/8" Iron Bar 12" Deep



BM = 33 3/4" Iron Bar
Sta 435+46 - 66' Rt.
Elev. 1322.57

Large Trees to be Grubbed
Sta 430+00 to Sta 445+00
1-40"
All Trees to be Grubbed are Marked Thus ☒
Total 1

Scale 1"=50'

NO	DATE	REVISIONS	BY	APP'D
3				
2				
1				

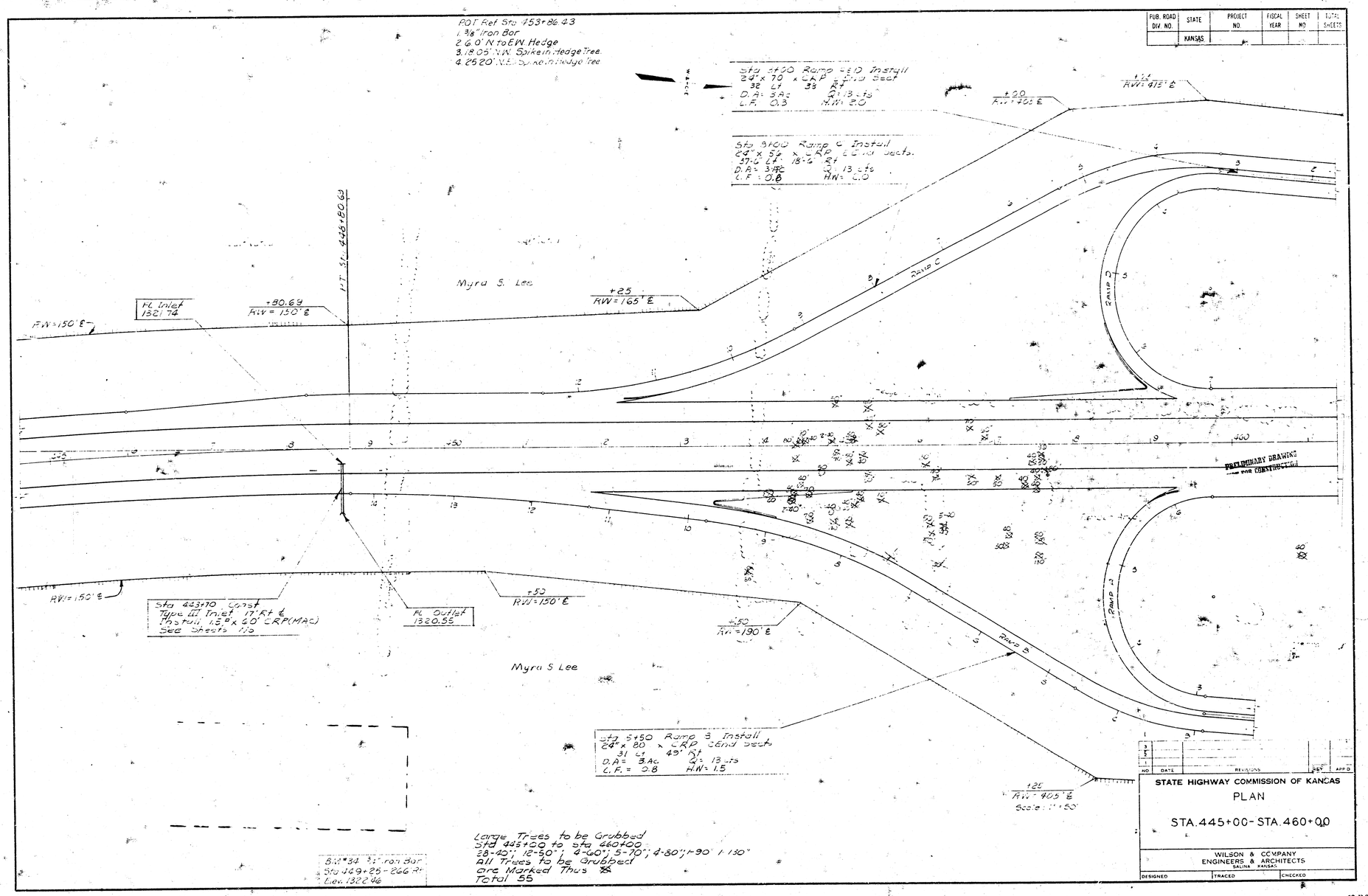
STATE HIGHWAY COMMISSION OF KANSAS

PLAN

STA. 430+00 - STA. 445+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA, KANSAS

DESIGNED | TRACED | CHECKED



FUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	KANSAS				

NO	DATE	REVISIONS	REV	APP'D
3				
2				
1				

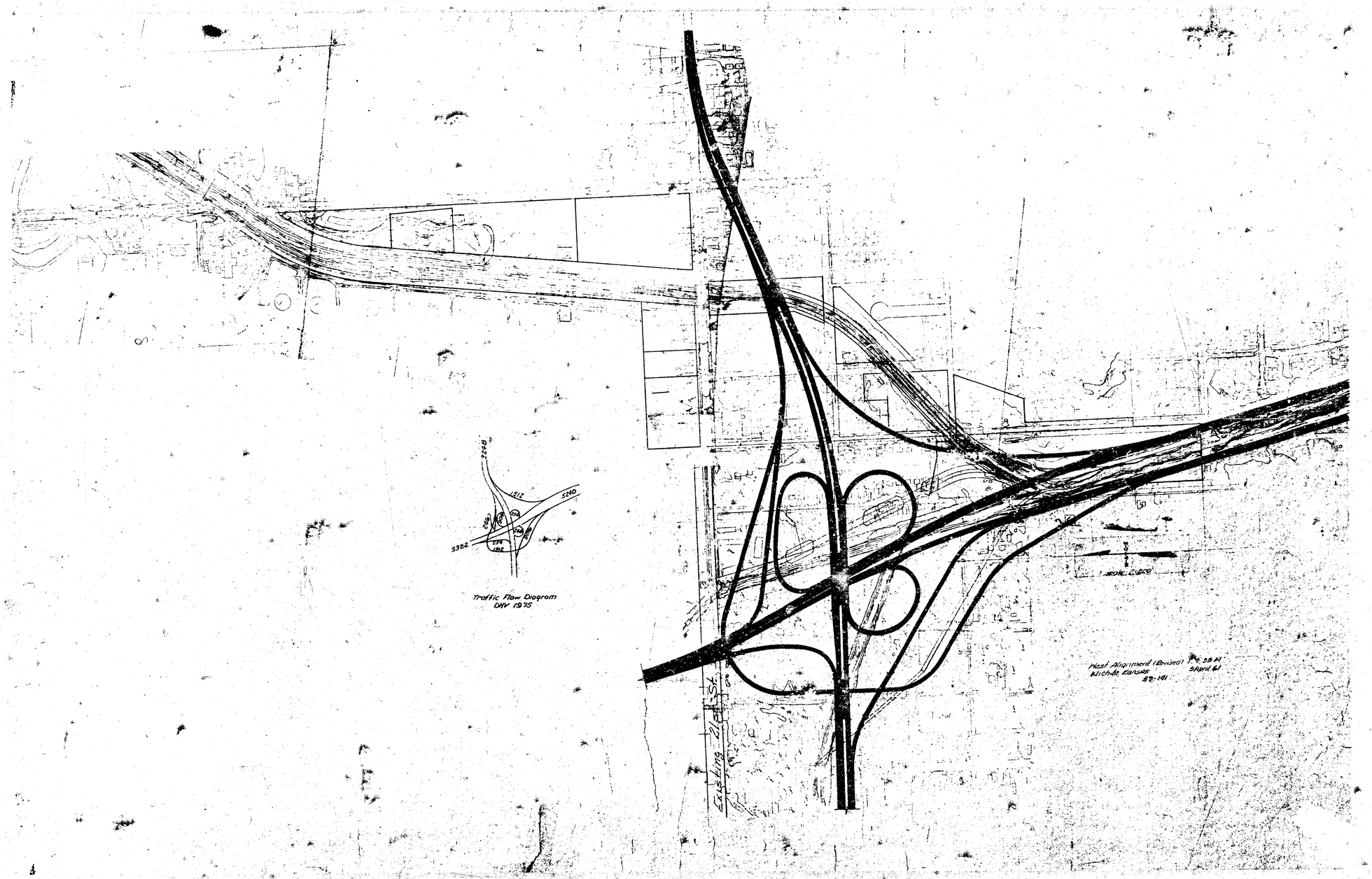
STATE HIGHWAY COMMISSION OF KANSAS

PLAN

STA. 445+00 - STA. 460+00

WILSON & COMPANY
ENGINEERS & ARCHITECTS
SALINA KANSAS

DESIGNED | TRACED | CHECKED


Existing 21st St.
Traffic Flow Diagram
DHV 1975
3248
1512
5240
3382
Scale 1:200
West Alignment (Revised)
Wichita, Kansas
59-141
3 April 61