

STATE HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED

FEDERAL AID PROJECT
87M-5899(001)
WICHITA, SEDGWICK COUNTY

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOT. SHEETS
7	KANSAS	87M-5899(001)	1974	1	10

GRADING
STORM SEWER
PAVING
SODDING

INDEX OF SHEETS

- 1. Title Sheet
- 2-3. Typical Sections
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- 17-24A. Pavement Details (Sh. No. 23 deleted)
- 25-28. Miscellaneous Details (Sh. No. 26 deleted)
- 29-42. Storm Drain Plans
- 43-53. Inlet and Manhole Details
- 53A. Concrete End Sections
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- 59. Temporary Project Water Pollution Control
- 59A-59D. Seeding
- 60-61. Traffic Control
- 62. Type III Barricades (Fixed)
- 63. Drainage Areas
- 64-76. Pavement Striping Plans
- 77-79. Traffic Signal Plans
- 79A. Signal Installation Detail
- 80-100. Cross Sections

DESIGN DESIGNATION

ADT (1973) = 8,900
ADT (2000) = 11,200
DHV = 12%
D = 40-60
T = 4%
V = 40
COF A = NONE

CONVENTIONAL SIGNS

COUNTY LINE	.....	RETAINING WALL	
CORPORATE LIMITS	.....	CENTER LINE OF PROJECT	
STATE OR NATIONAL LINE	.....	LEVEE	
TOWNSHIP LINE	.....	CULVERTS	
SECTION LINE	.....	DROP INLETS	
GRANT LINE	.....	ACCESS CONTROL	
FENCE LINE	.....	POWER LINE	
GUARD FENCE	.....	TELEPHONE OR TELEGRAPH LINE	
UNFENCED PROPERTY	.....	MARSH	
RIGHT OF WAY LINE	.....	HEDGE	
TRAVELLED WAY LINE	.....	TREES	
RAILROADS	.....	GRADE ELEVATION	

GROSS LENGTH OF PROJECT 7,239.44 FT

EXCEPTIONS

ADDITION

NET LENGTH OF PROJECT	7,239.44	1.371	MILES
NET LENGTH OF BRIDGES	45.25	0.009	MILES
NET LENGTH OF ROAD	7,194.19	1.362	MILES

SCALE: 1"=400'

STA. 72+50 END
Proj. 87M-5899(001)

EXCEPTION for Equation
 $\$ Sta. 55 + 47.08 = 55 + 54.02 = 6.94$

Traffic to be carried across construction at the following locations:

Mainline
Sta. 0+00 (Pawnee Ave.)
Sta. 33+18.24 (Mt. Vernon Rd.)
Sta. 51+44.23 (Hillside Ave.)
Sta. 64+07.45 (Harry St.)
Mt. Vernon Rd.
Sta. 40+64.9 (Hillside Ave.)

See Sh. No. 4 for additional Traffic Control in accordance with Construction Sequencing.

PLANS PREPARED BY
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

APPROVED *R.W. Linn* DATE *April 23, 1964*

R.W. LINN, P.E., CITY ENGINEER
WICHITA, KANSAS
PROJ. NO. DAKM574014

RECOM. FOR APPROVAL DATE

ENGINEER OF URBAN HIGHWAYS
STATE HIGHWAY COMMISSION OF KANSAS

APPROVED _____ DATE _____

STATE HIGHWAY ENGINEER
STATE HIGHWAY COMMISSION OF KANSAS

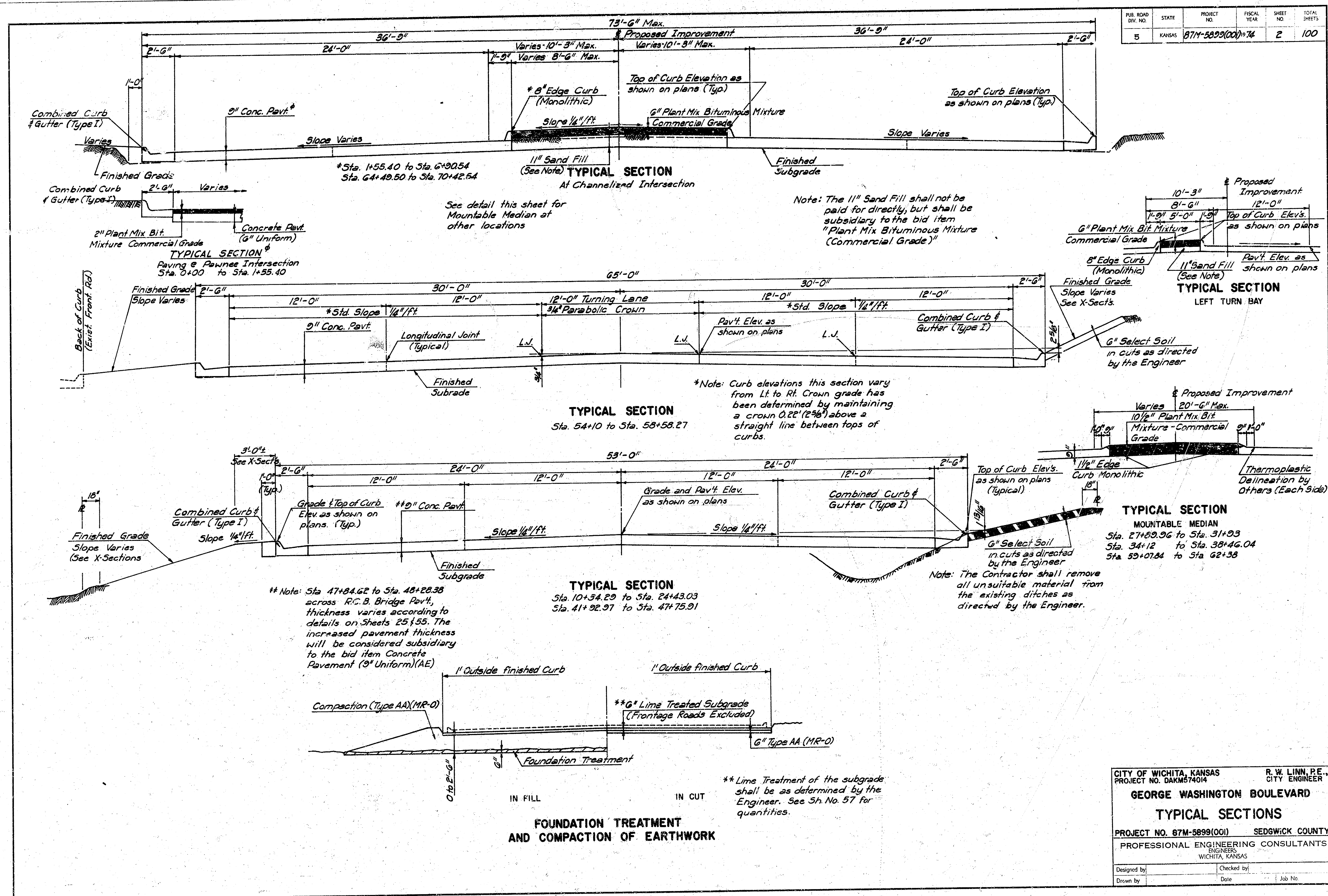
RECOM. FOR APPROVAL DATE

ENGINEER

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

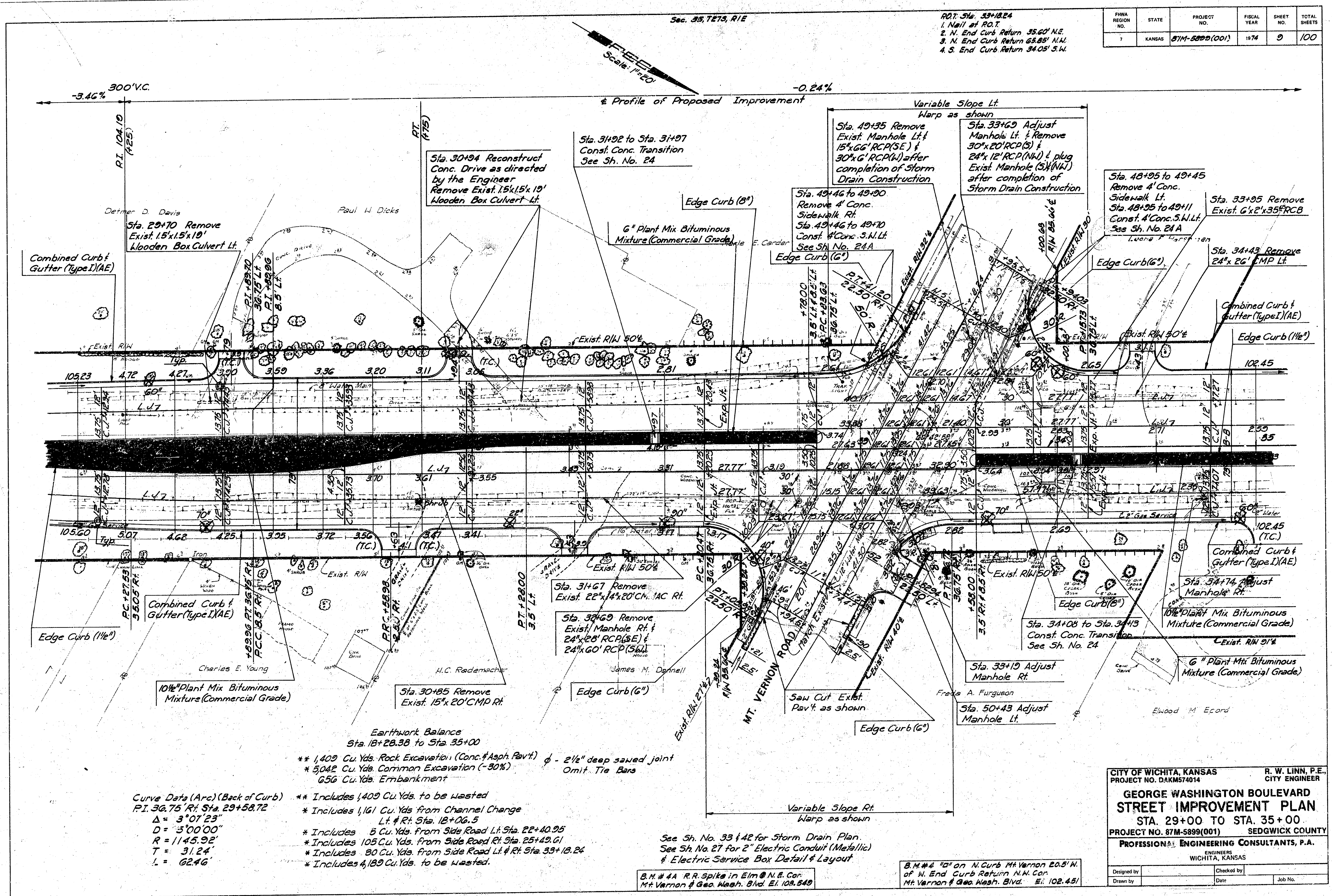
**DIVISION ENGINEER
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION**

See Note 7.7



1 gine Ees 26 5 9 9 9 5 Jewel

3 2



Curve Data (Arc) (Back of Curb)
P.I. 30.75 Rt. Sta. 29+58.72
Δ = 3°01'23"
D = 3°00'00"
R = 1145.92'
T = 31.24'
L = 62.46'

Earthwork Balance
Sta. 18+28.38 to Sta. 35+00
** 1,409 Cu. Yds. Rock Excavation (Conc. Asphalt Pavt.)
* 5042 Cu. Yds. Common Excavation (-30%)
656 Cu. Yds. Embankment
** Includes 1,409 Cu. Yds. to be wasted
* Includes 1,161 Cu. Yds. from Channel Change
Lt. # Rt. Sta. 18+06.5
* Includes 5 Cu. Yds. from Side Road Lt. Sta. 22+40.25
* Includes 105 Cu. Yds. from Side Road Rt. Sta. 25+49.61
* Includes 80 Cu. Yds. from Side Road Lt. # Rt. Sta. 33+18.24
* Includes 4,139 Cu. Yds. to be wasted

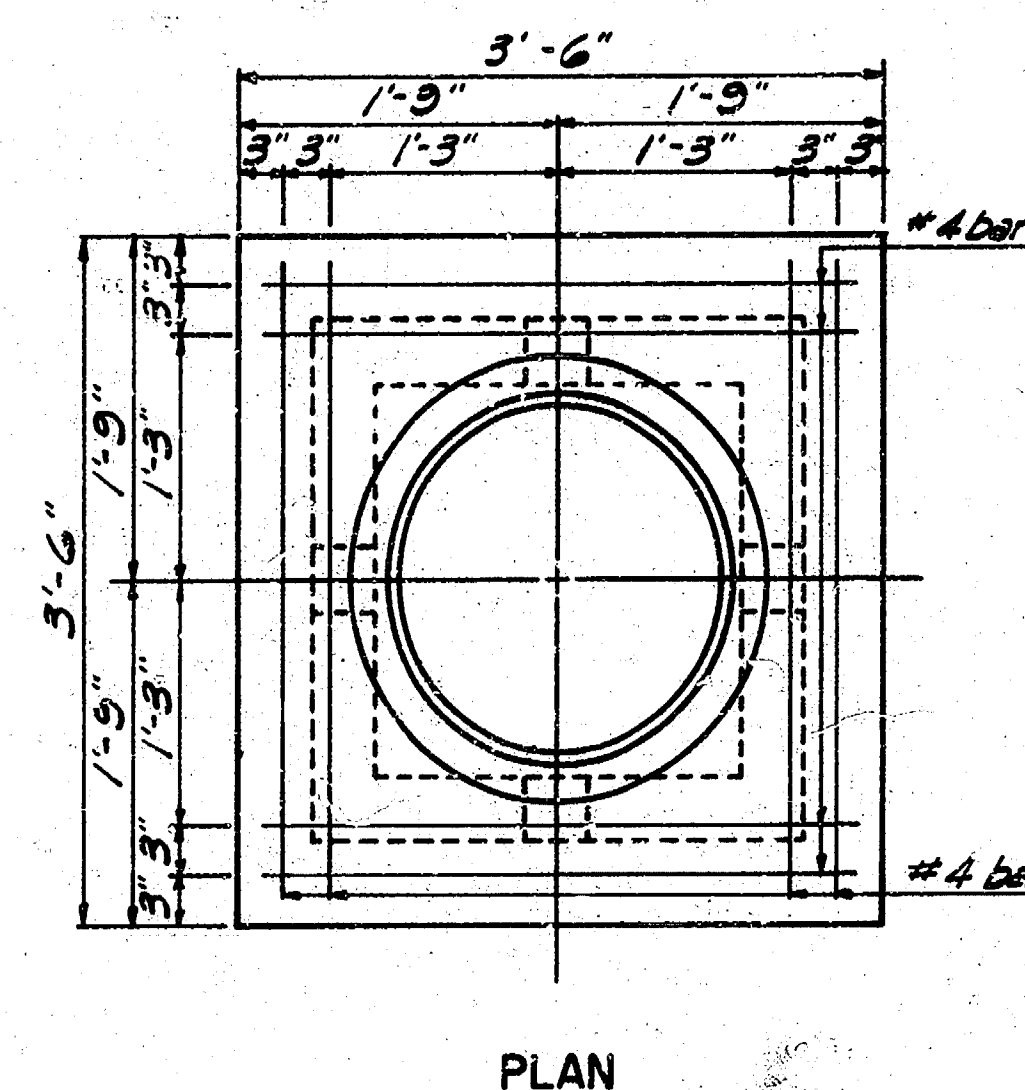
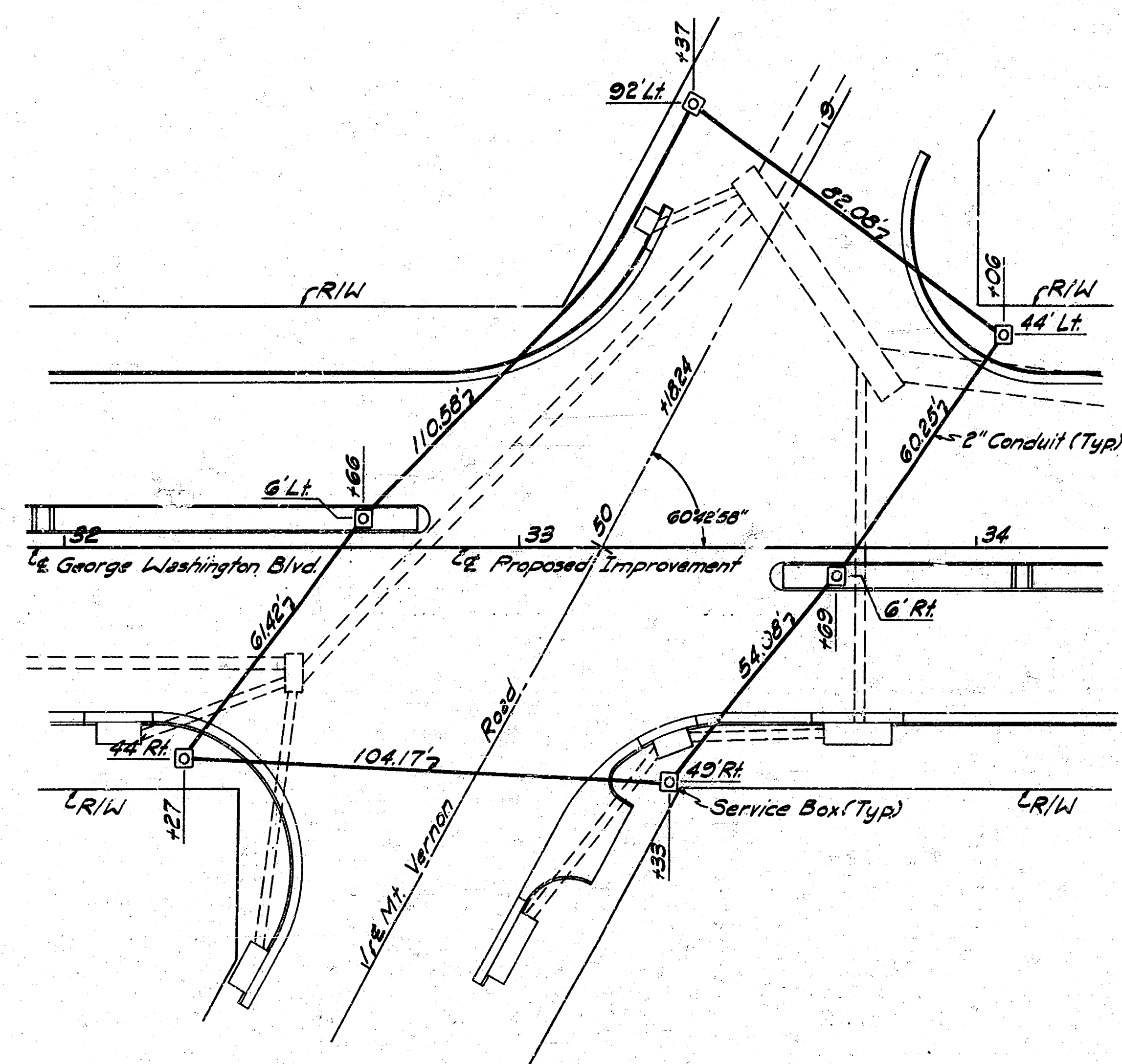
See Sh. No. 33 for Storm Drain Plan
See Sh. No. 27 for 2" Electric Conduit (Metallic)
& Electric Service Box Detail & Layout

B.M. # 44 R.R. Spike in Elm @ N.E. Cor.
Mt. Vernon & Geo. Wash. Blvd. E.I. 102.549

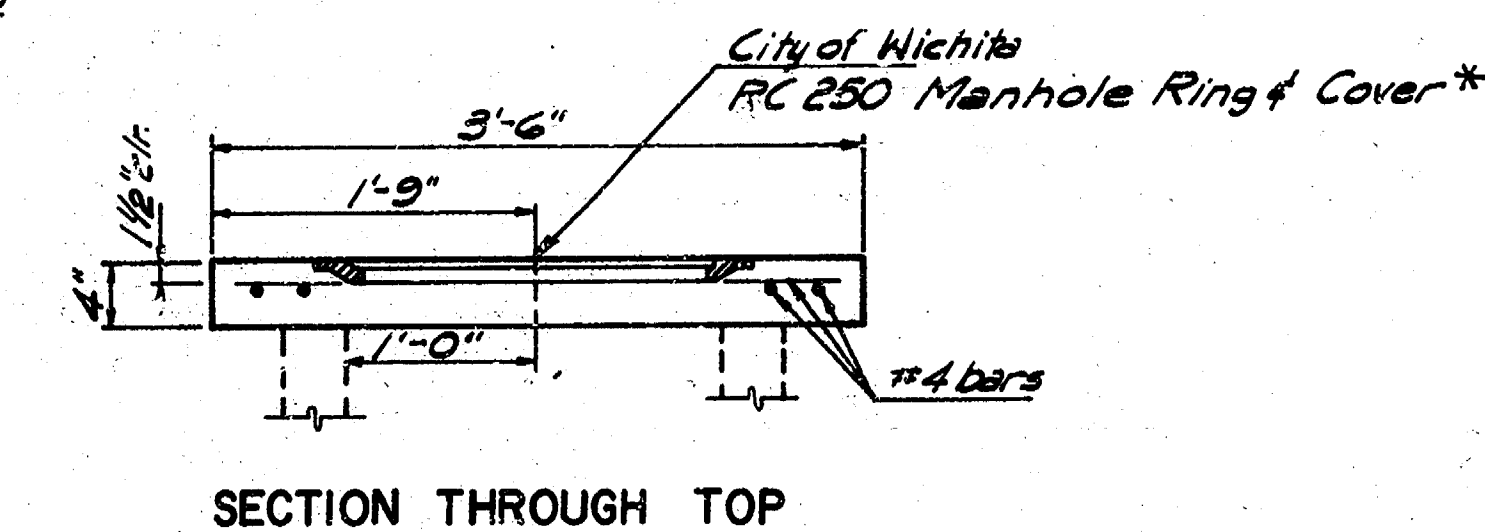
B.M. # 41 on N. Curb Mt. Vernon 20.5' W.
of W. End Curb Return N.M. Cor.
Mt. Vernon & Geo. Wash. Blvd. E.I. 102.431

CITY OF WICHITA, KANSAS PROJECT NO. DAKM574014		R. W. LINN, P.E. CITY ENGINEER	
GEORGE WASHINGTON BOULEVARD STREET IMPROVEMENT PLAN			
STA. 29+00 TO STA. 35+00			
PROJECT NO. 87M-5899(001)		SEDGWICK COUNTY	
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by	Checked by	Date	Job No.

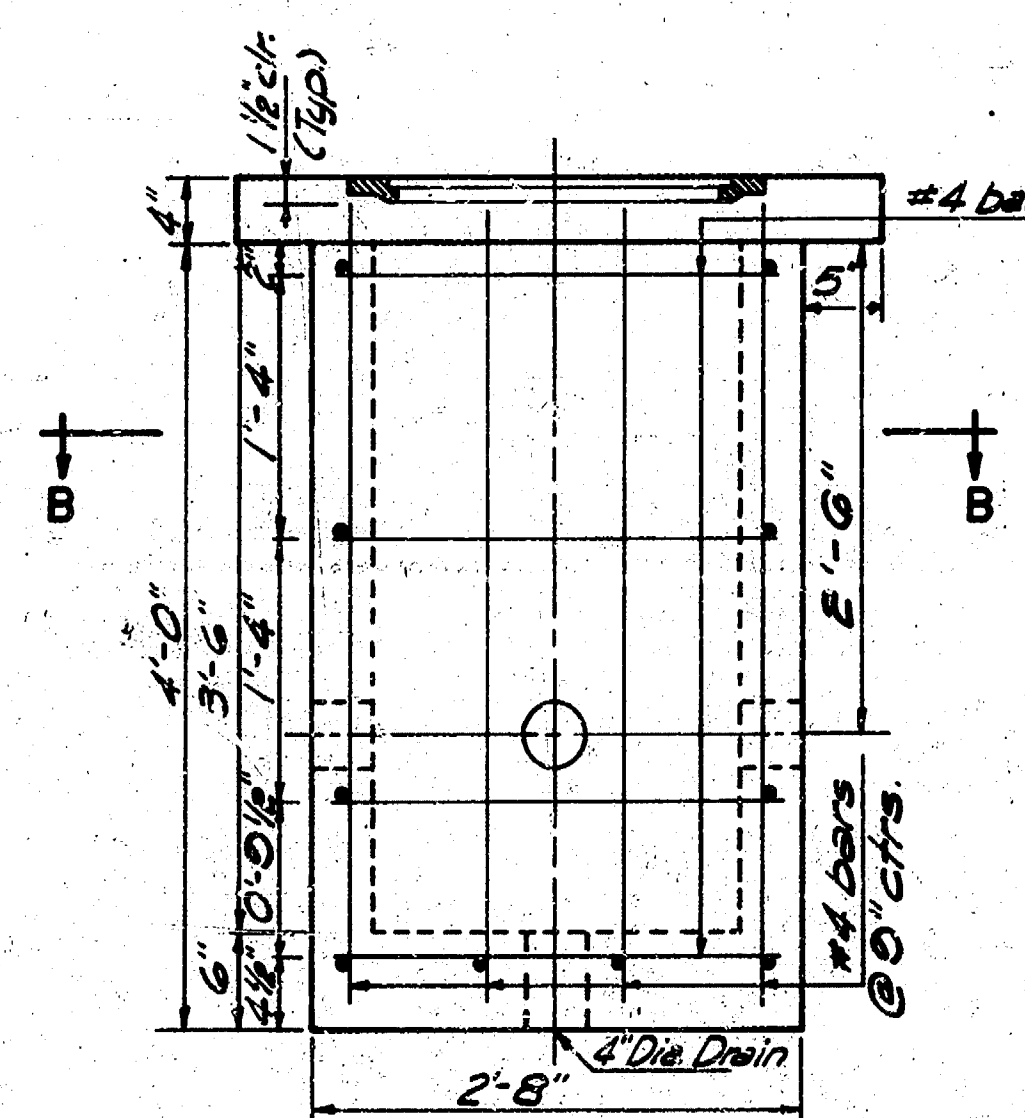
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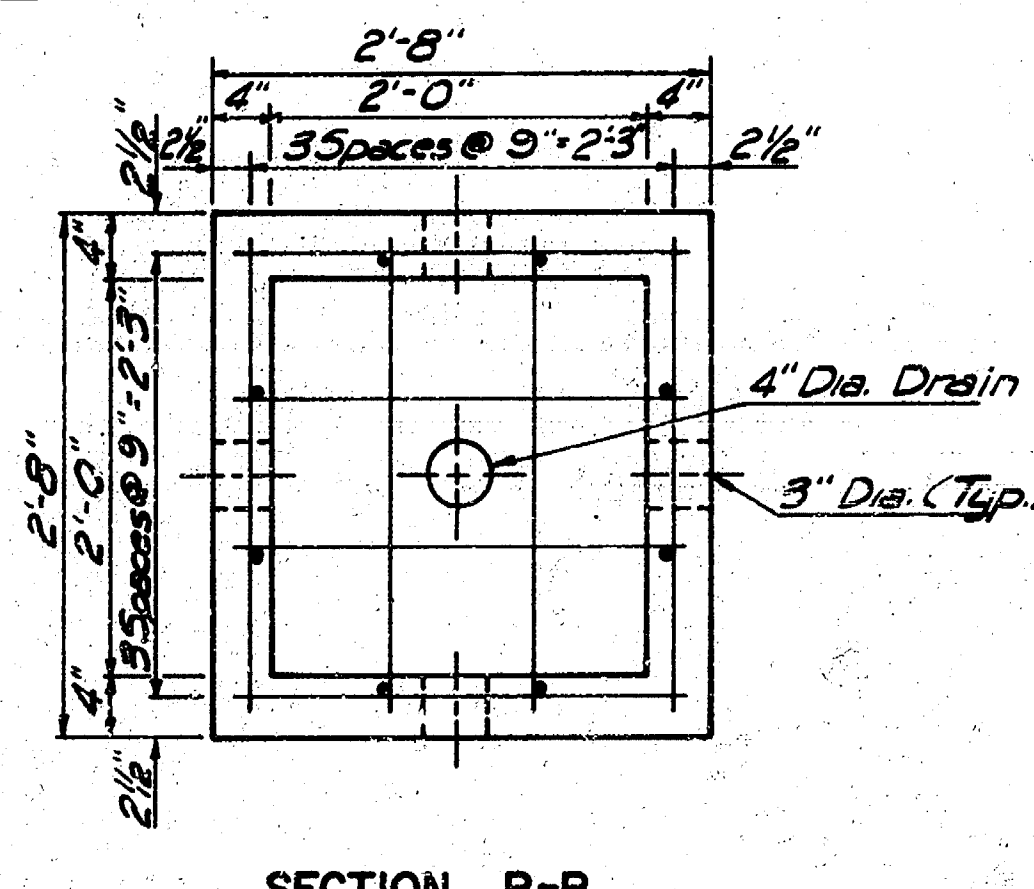
PLAN



SECTION THROUGH TOP



ELEVATION



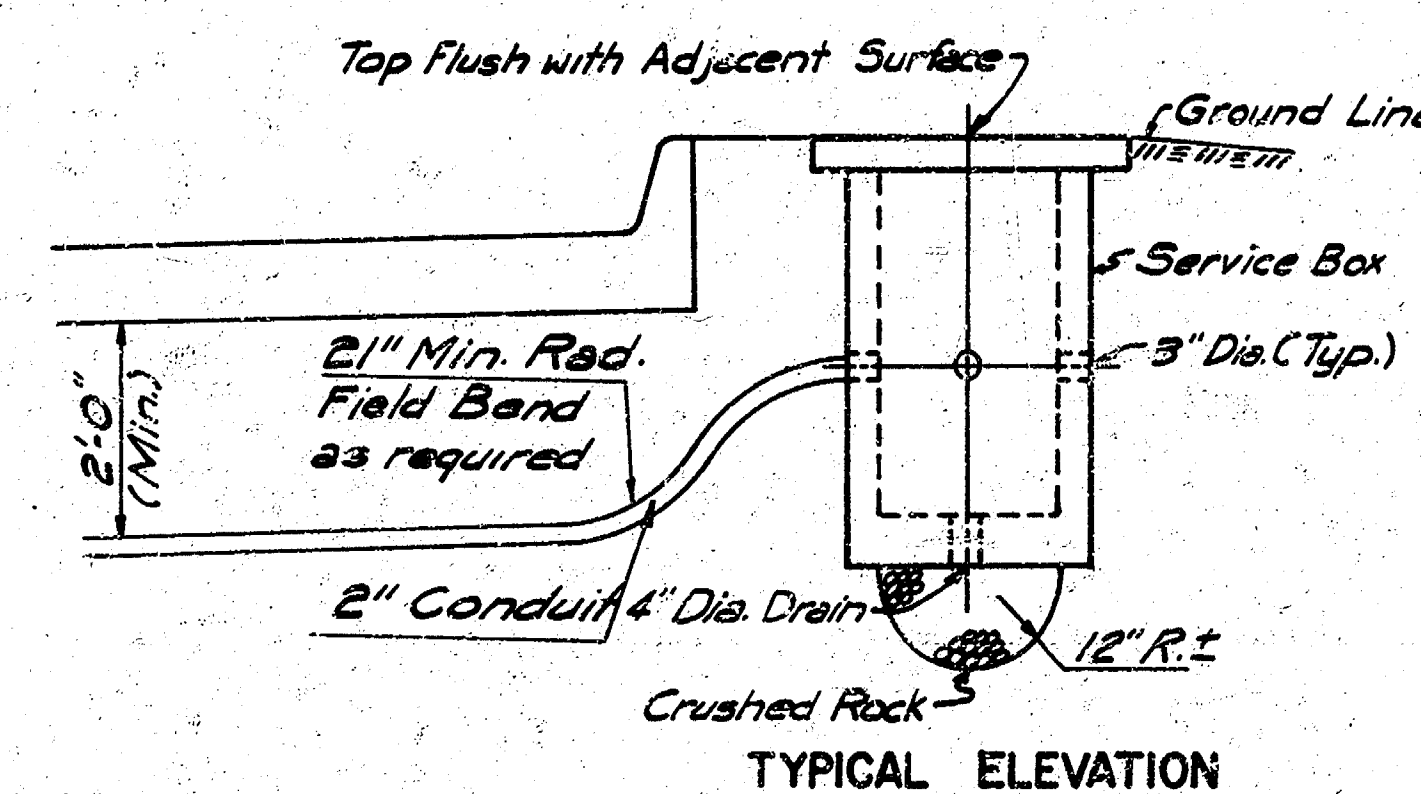
SECTION B-B

Quantities per Service Box	
Class A Concrete	0.65 Cu Yds
Reinforcing Steel	71 Lbs.
R.C. 250*	1 Each

NOTES:
A pre-cast service box with an open bottom will be accepted as an alternate, subject to the Approval of the Engineer.

All items of work and material required to construct the service boxes shall be paid for under bid item "Electric Service Boxes" (Each).

*To be furnished by Traffic Dept., City of Wichita.



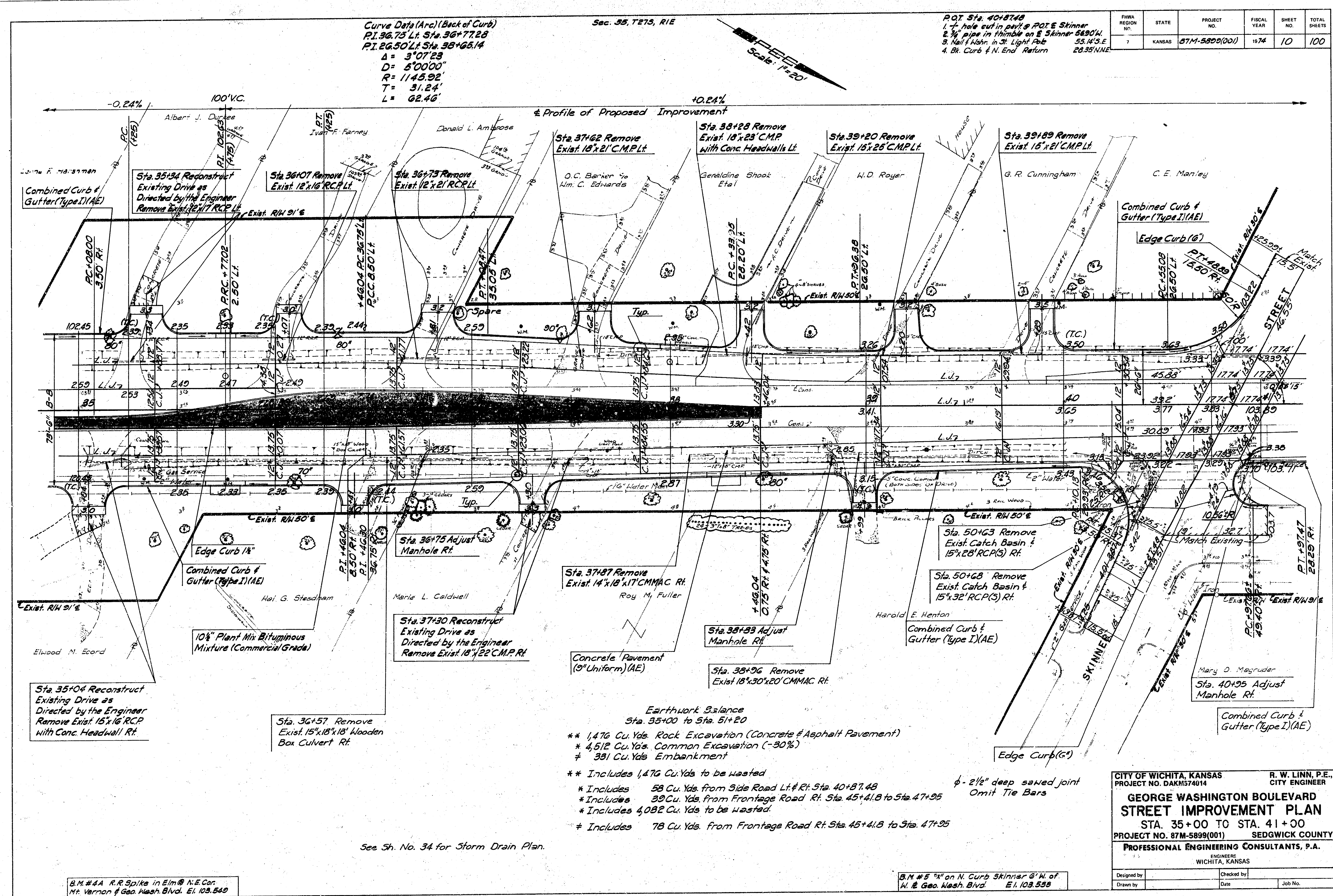
TYPICAL ELEVATION

SERVICE BOX DETAILS

CITY OF WICHITA, KANSAS
PROJECT NO. DAKM574014
GEORGE WASHINGTON BOULEVARD
ELECTRIC SVC. BOX DTLS.

PROJECT NO. 87M-5899(001) SEDGWICK COUNTY
PROFESSIONAL ENGINEERING CONSULTANTS
ENGINEERS
WICHITA, KANSAS

Designed by _____ Checked by _____
Drawn by _____ Date _____



Curve Data (Arc) (Back of Curb)
P.I. 36+73 Lt. Sta. 36+77.28
P.I. 26+50 Lt. Sta. 36+65.14
Δ = 3°07'23"
D = 5'00'00"
R = 1145.92'
T = 31.24'
L = 62.46'

Sec. 35, T27S, R1E

P.O.T. Sta. 40+87.48
1. 4\"/>

FINA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87M-5899(001)	1974	10	100

Profile of Proposed Improvement

- Earthwork Balance
Sta. 35+00 to Sta. 51+20
- ** 1,476 Cu. Yds. Rock Excavation (Concrete & Asphalt Pavement)
 - * 4,512 Cu. Yds. Common Excavation (-30%)
 - + 391 Cu. Yds. Embankment
- ** Includes 1,476 Cu. Yds. to be wasted
- * Includes 58 Cu. Yds. from Side Road Lt. # Rt. Sta. 40+87.48
 - * Includes 39 Cu. Yds. from Frontage Road Rt. Sta. 45+41.8 to Sta. 47+95
 - * Includes 4,082 Cu. Yds. to be wasted
 - + Includes 78 Cu. Yds. from Frontage Road Rt. Sta. 45+41.8 to Sta. 47+25

See Sh. No. 34 for Storm Drain Plan.

B.M. #44 R.R. Spike in Elm @ N.E. Cor.
Mt. Vernon & Geo. Wash. Blvd. El. 103.549

B.M. #5 "X" on N. Curb Skinner @ N. of
Al. & Geo. Wash. Blvd. El. 103.538

CITY OF WICHITA, KANSAS
PROJECT NO. DAK1574014

GEORGE WASHINGTON BOULEVARD
STREET IMPROVEMENT PLAN
STA. 35+00 TO STA. 41+00
PROJECT NO. 87M-5899(001) SEDGWICK COUNTY

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

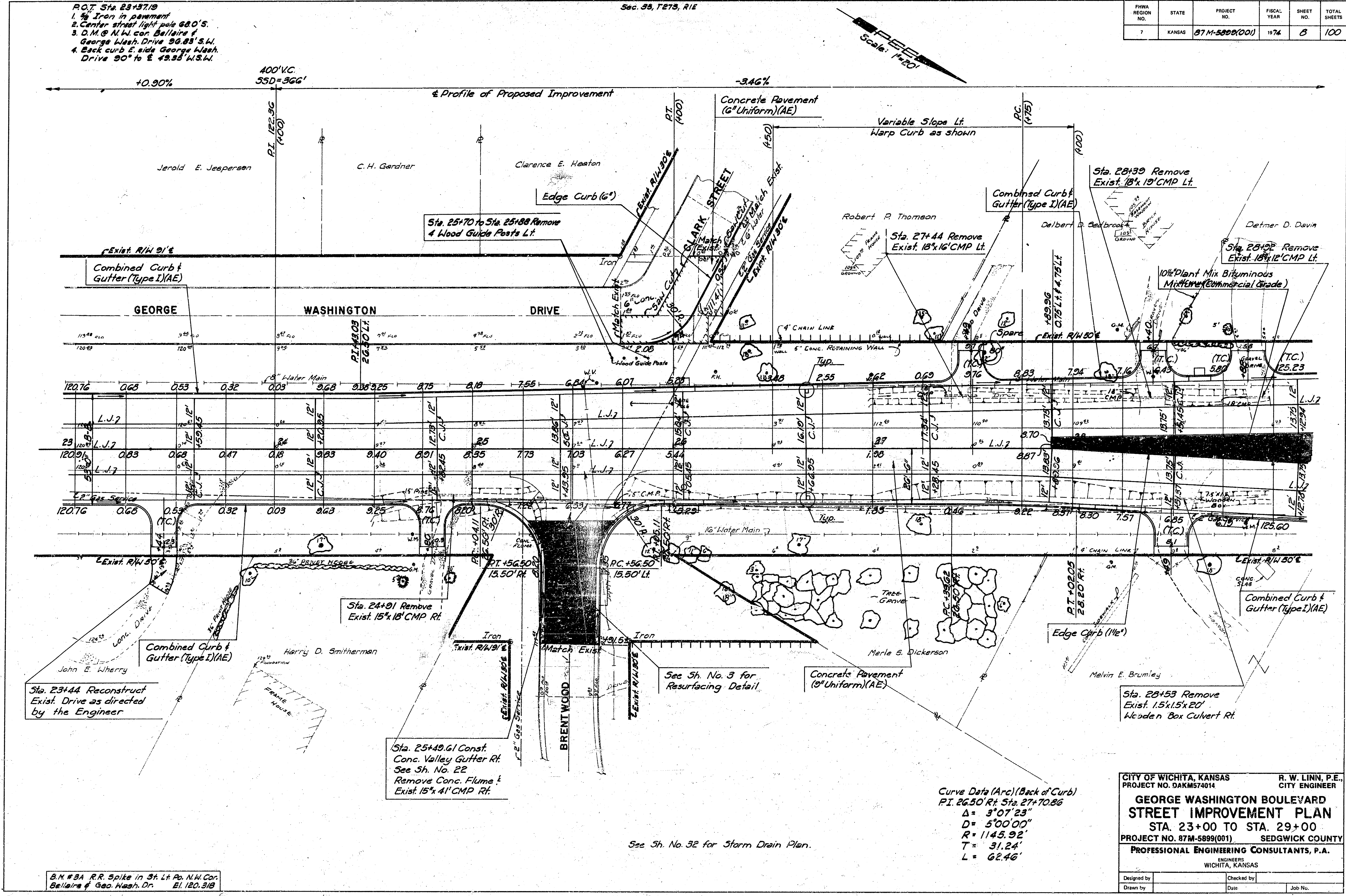
R. W. LINN, P.E.
CITY ENGINEER

Designed by _____
Checked by _____
Drawn by _____
Date _____
Job No. _____

R.O.T. Sta. 23+37.19
 1. 1/2" Iron in pavement
 2. Center street light pole 6'0" S.
 3. D.M. & N.W. con. Ballaire f.
 George Wash. Drive 96.88' S.W.
 4. Back curb & side George Wash.
 Drive 90' to E 43.88' W.S.W.

Sec. 35, T27S, R1E

FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87M-5899(001)	1974	8	100



CITY OF WICHITA, KANSAS
 PROJECT NO. DAKM574014
GEORGE WASHINGTON BOULEVARD STREET IMPROVEMENT PLAN
 STA. 23+00 TO STA. 29+00
 PROJECT NO. 87M-5899(001) SEDGWICK COUNTY
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEERS
 WICHITA, KANSAS
 R. W. LINN, P.E., CITY ENGINEER
 Designed by _____ Checked by _____
 Drawn by _____ Date _____ Job No. _____

2" = 34' R.R. Spike in 3" Lt. Po. N.W. Con.
 Ballaire f. Geo. Wash. Dr. E. 120.518

