

STATE OF KANSAS
STATE HIGHWAY COMMISSION

PROJ. NO. 226-87-US 256(3)
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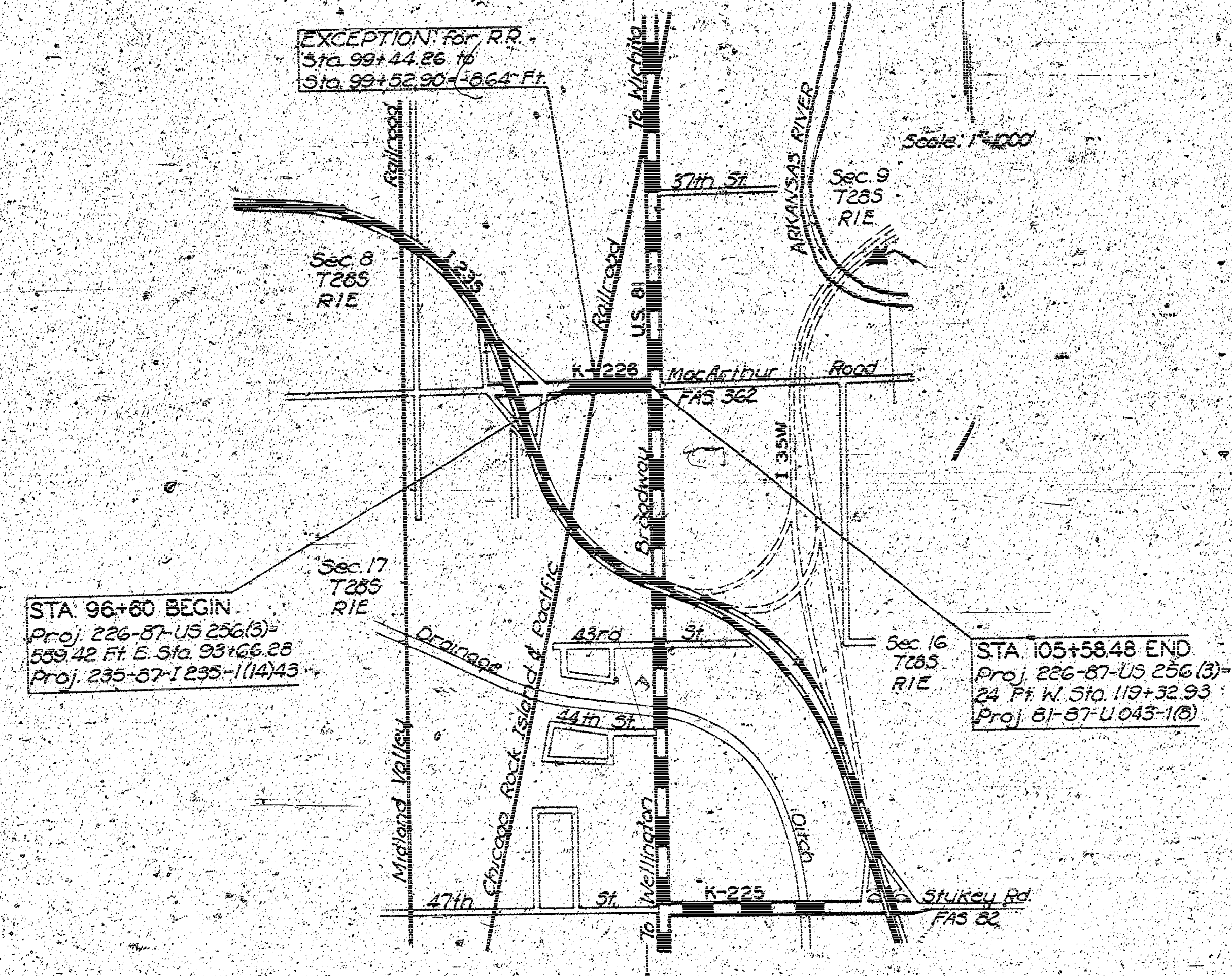
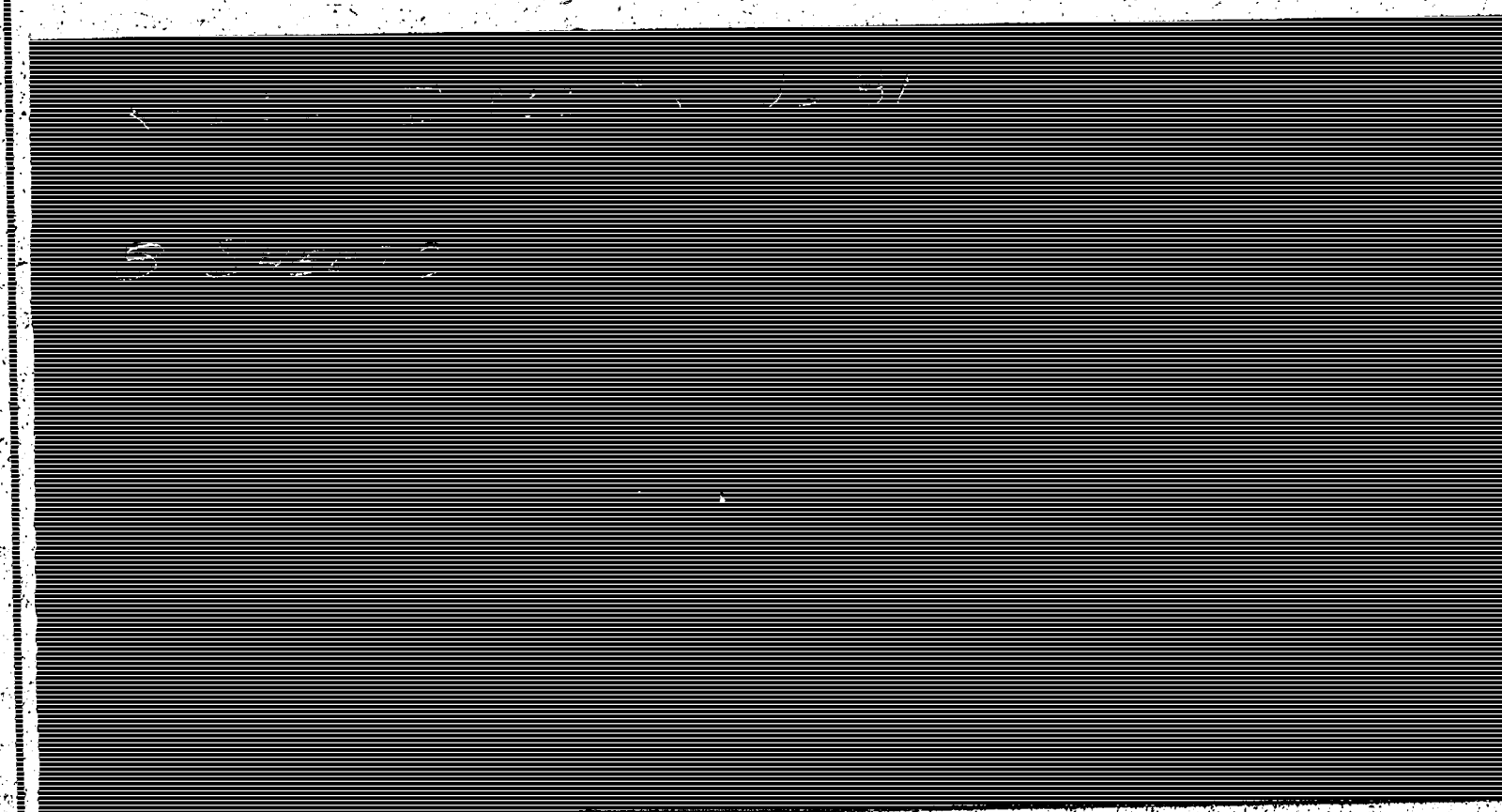
GRADING & PAVING
SODDING

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

FEDERAL AID PROJECT
SEDGWICK COUNTY
K-226

INDEX OF SHEETS

Sh. No.	1	Title Sheet
"	2	Typical Sections
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"	7-8	Payment Details
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"	11	Bar Support & Spacer Sheet
"	12	Quantity Sheet
"	13	Seeding Sheet
"	14	Highway Crossing Protection
"	15	Detail of Crossing Signals
"	16	Timing Diagram (Sheet No. 25 Deleted)
"	17	Traffic Control
"	18	Construction Identification Signs
"	19	Drainage Areas
"	20-31	Cross Sections



DESIGN DESIGNATION
1961 A.D.T. = 6500
1980 A.D.T. = 15,675
D.H.V. = 120%
D = 6%
T = 35%
V = 40 mph
C.R.A. = None

NOTE: TRAFFIC SHALL BE CARRIED
THROUGH CONSTRUCTION

CONVENTIONAL SIGNS

COUNTY LINE	RETAINING WALL
CORPORATE LIMITS	BASE OR SURVEY LINE
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	HERDGE
TRAVELLED WAY	TREES
RAILROADS	GRADE ELEVATION

GROSS LENGTH OF PROJECT 598.45 FT.
EXCEPTIONS
(FOR R.R. STA. 99+44.26 TO STA. 99+52.93 -- 8.64 FT.)

NET LENGTH OF PROJECT 589.84 FT. 0.168 MILES
NET LENGTH OF BRIDGES 0.00 FT. 0.000 MILES
NET LENGTH OF ROAD 589.84 FT. 0.168 MILES

RECOM. FOR APPROVAL DATE

ENGINEER OF DESIGN
STATE HIGHWAY COMMISSION OF KANSAS

APPROVED DATE

STATE HIGHWAY ENGINEER
STATE HIGHWAY COMMISSION OF KANSAS

RECOM. FOR APPROVAL DATE

ENGINEER
BUREAU OF PUBLIC ROADS
DEPARTMENT OF COMMERCE

APPROVED DATE

DIVISION ENGINEER
BUREAU OF PUBLIC ROADS
DEPARTMENT OF COMMERCE

PLAN
 DATE
 DRAWN BY
 CHECKED BY
 NO.

PROFILE
 DATE
 DRAWN BY
 CHECKED BY
 NO.

GENERAL NOTE

ENCROACHMENTS SUCH AS FENCES, BUILDINGS, TELEPHONE TOWERS, GRAPE AND POWER LINES SHALL BE MOVED BY THE OWNERS.
 IN THE INTEREST OF PUBLIC SAFETY, ALL GAS, GASOLINE AND OIL LINES SHALL BE MOVED BEYOND THE LIMITS OF THE ROADBED BY THE OWNER. THE USUAL PROVISION FOR THEIR RETENTION HAS BEEN MADE.
 ALL WATER LINES LESS THAN THREE FEET BELOW THE SURFACE OF THE HIGHWAY SHALL BE MOVED BY THE OWNERS.
 CAST IRON PIPE SHALL BE REPLACED OR MOVED BY THE OWNERS.
 ALL OTHER UNDERGROUND UTILITIES SHALL BE PLACED IN GOOD CONDITION AND ADJUSTED TO FIT THE NEW CONSTRUCTION BY THE OWNERS.
 ALL LINES SHALL BE MOVED BY THE OWNERS.
 AT THE LOCATION ADJACENT TO THE RIGHT-OF-WAY, UTILITY POLES MAY BE SET AT THE PERMANENT LOCATIONS PRIOR TO CONSTRUCTION AS APPROVED BY THE ENGINEER PROVIDED A MINIMUM VERTICAL CLEARANCE OF 14 FEET IS OBTAINED. THE LOCATION SHALL BE RECORDED TO WORK AROUND THESE POLES TO COMPLETE THE WORK.
 THE GEOLOGICAL INFORMATION SHOWN ON THESE PLANS IS FROM STUDIES MADE IN THE FIELD AND REPRESENTS THE BEST INFORMATION AVAILABLE TO THE KANSAS HIGHWAY COMMISSION.
 CHANNELS SHALL BE CUT AT ALL CULVERTS, UNLESS OTHERWISE NOTED, TO FLOW LINE ELEVATION AND TO A WIDTH OF ONE FOOT OUTSIDE OF EACH OUTSIDE WALL AND WITH SLOPES 2 TO 1 PRIOR TO CONSTRUCTION OF THE CULVERT. QUANTITIES INCLUDED IN EXCAVATION TOTALS.
 ALL TREES TO BE GROUBED ARE MARKED WITH X'S. SPARE ALL TREES NOT MARKED. EXCEPTIONALLY GOOD TREES SHALL BE SPARED BY ADJUSTING THE BACKSLOPE LINES DURING CONSTRUCTION.
 ALL ADDITIONAL RIGHT-OF-WAY SHALL BE TURNED OVER BY THE STATE, UNLESS OTHERWISE NOTED.
 If it is necessary to remove any existing surfacing or structures or sub-streets beyond the limits of the new work as shown on the plans, an equivalent surface shall be replaced by the contractor as a satisfactory item.
 All borrow to be obtained from areas provided by the contractor shall be approved by the Engineer both as to suitability of material and site location. Locations that in the opinion of the Engineer will leave an unsightly appearance on this project will not be approved.

SCALE
 PLAN: 1" = 40'
 PROFILE: Horiz. same as above
 Vert. 1" = 10'

BM #102 Iron Bar South MacArthur Road
 141' Rt. Sta. 92+75 (235-87-1235-11(4)43 Pt. 1) ELEV. 1276.09

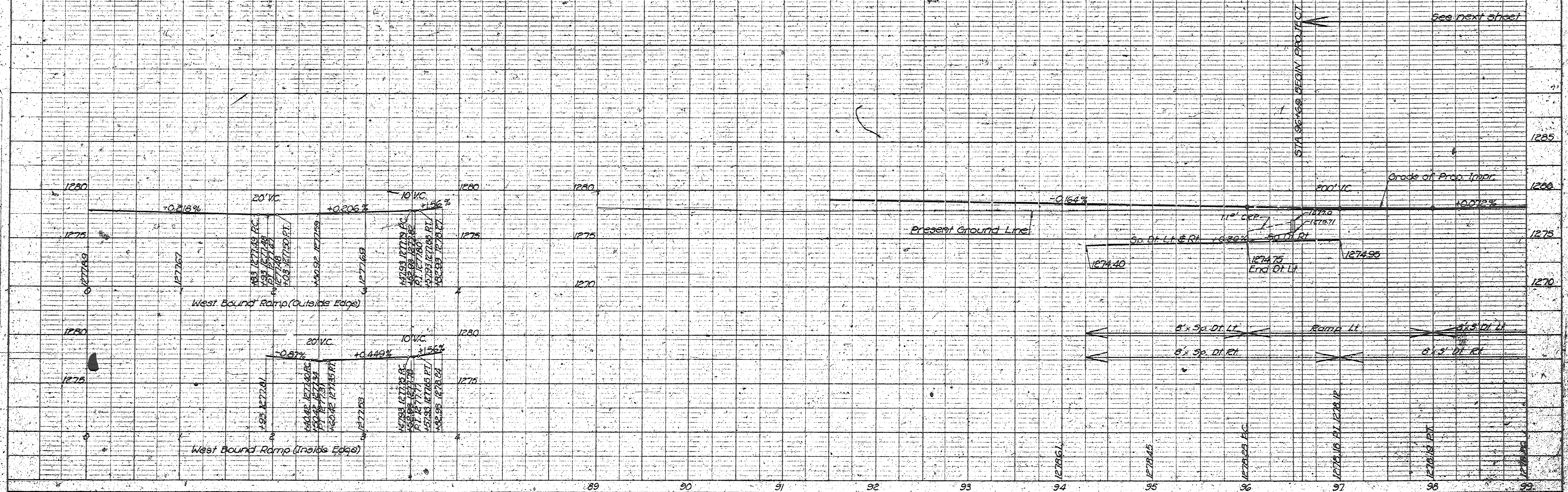


PLATE 3 - PLAN PROFILE, O.P.R. & P. STANDARD
 PRINTED & BOUND BY THE KANSAS HIGHWAY COMMISSION

PC Sta 95+74.98 RI Sta 99+00
 Sec. 8, T28S, R1E
 Dolese Bros. Co.

Sta 95+90 Begin Right-of-Way
 Sta 96+50 Const. Spec. Dr. Inlet 50' Lt. Install 50 Lin. Ft. 1 1/2" CRP (MC) with End Section See Sheet No. 15
 Sta 96+60 BEGIN
 Proj. 226-87-US 256(3)-553.42 Ft. E. Sta. 93+66.28
 Proj. 235-87-1235-11(4)43
 Sta 97+91 Trestle 24' x 42' E.P. Rt. Remove Exist. E.P.
 Rock Island Industrial Addition
 Sec. 17, T28S, R1E
 Don Schmid Motor Co.
 Curve Data:
 1-P-44 Rt.
 D=0'-16'
 T=325.02'
 R=21,485.9'
 L=650.00'
 E=2.46'

DATE	
BY	
REVISION	
1. SURVEYED	
2. DESIGNED	
3. CHECKED	
4. APPROVED	
5. NOTED	

DATE	
BY	
REVISION	
1. SURVEYED	
2. DESIGNED	
3. CHECKED	
4. APPROVED	
5. NOTED	

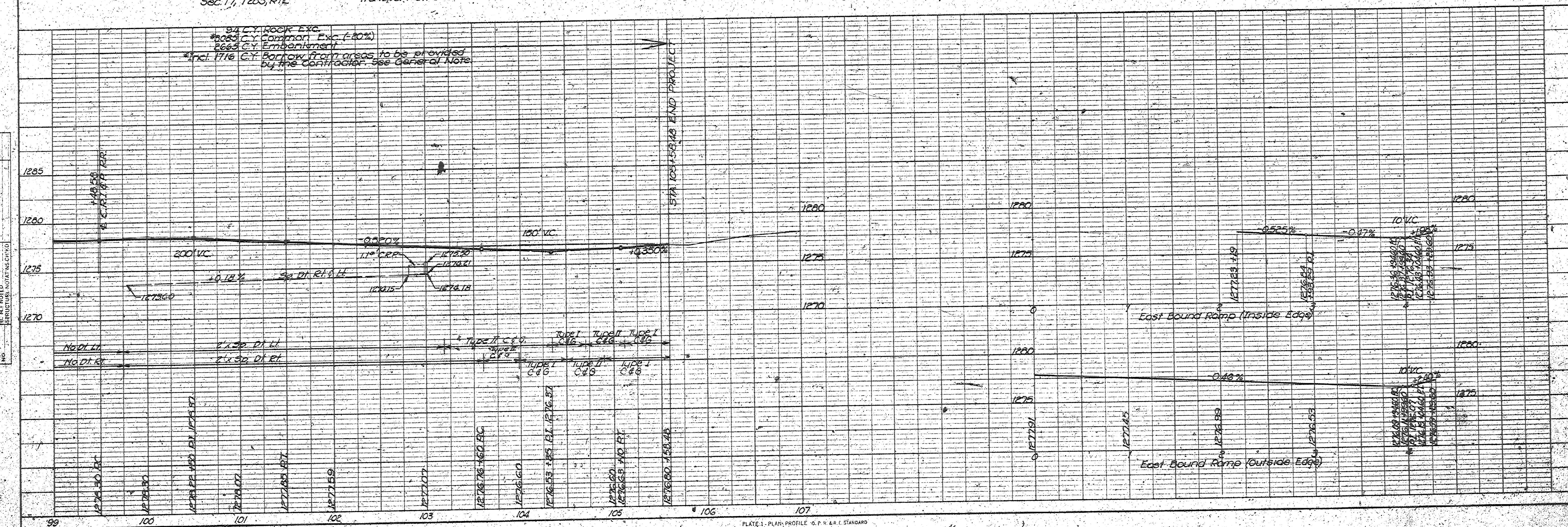
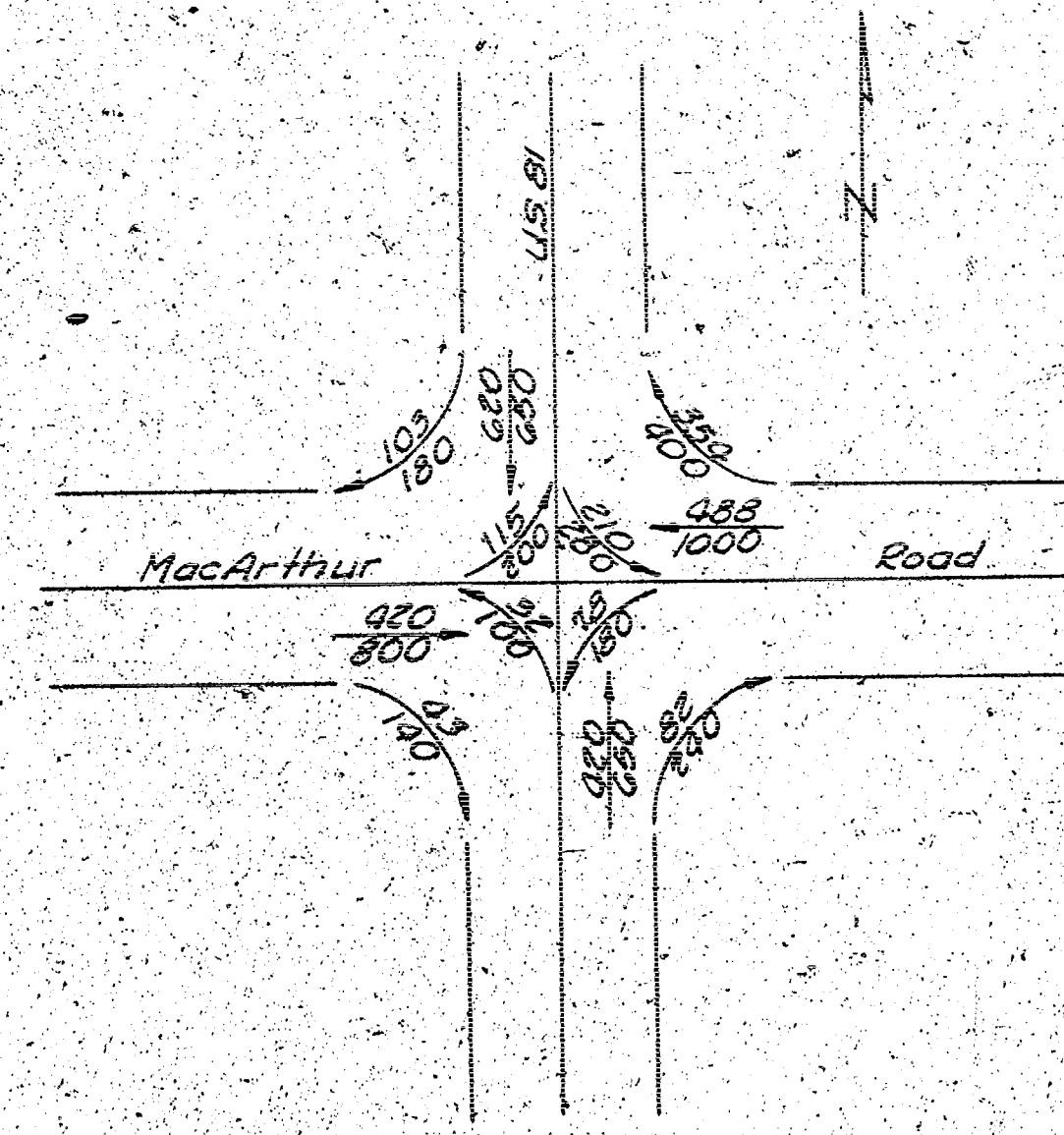
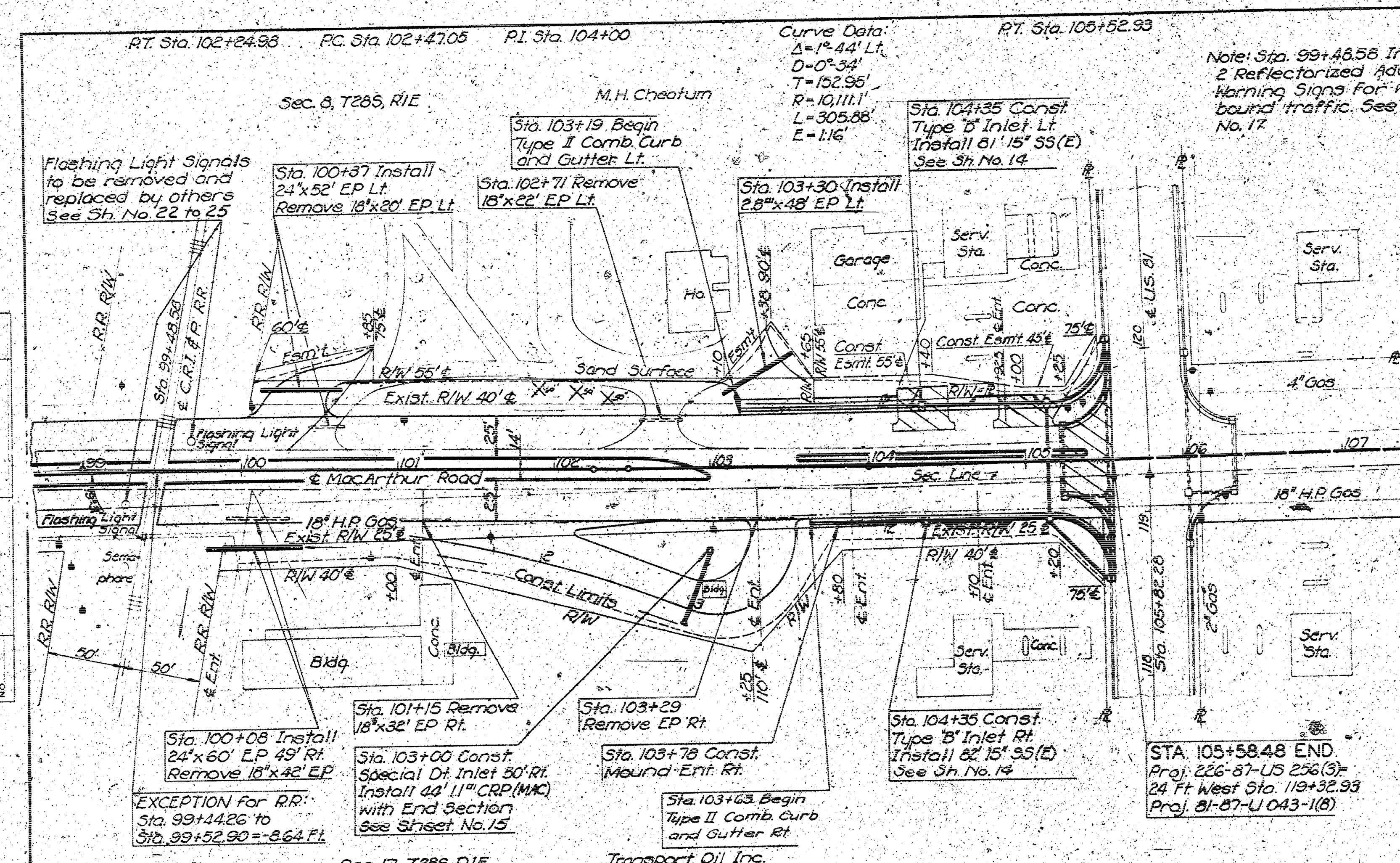
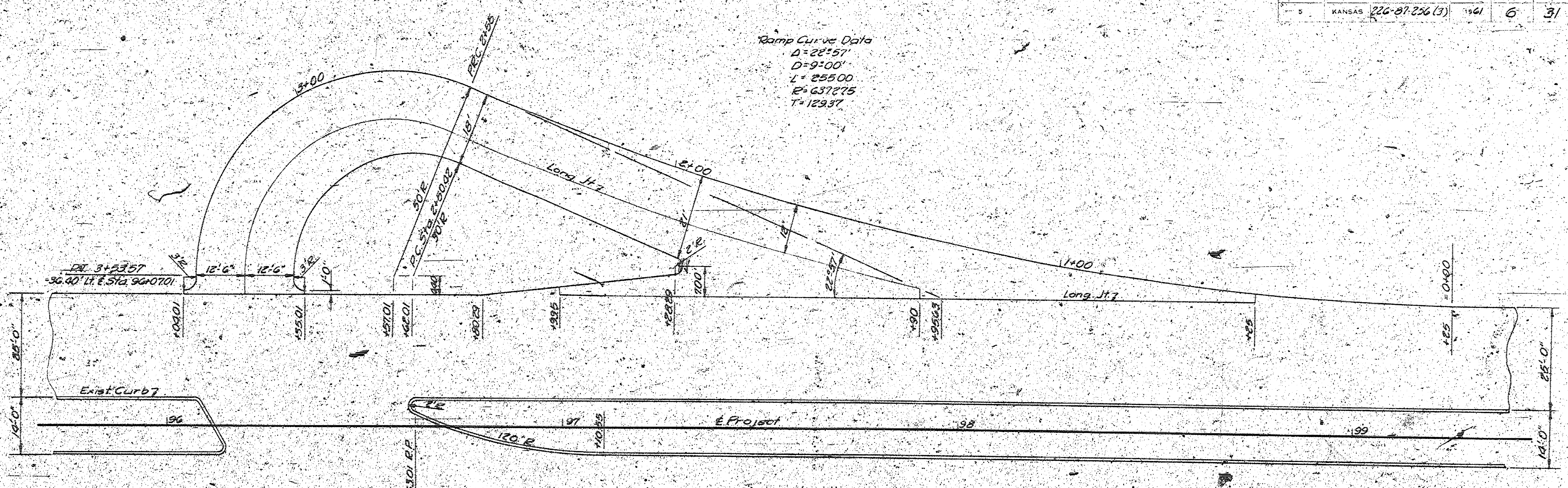


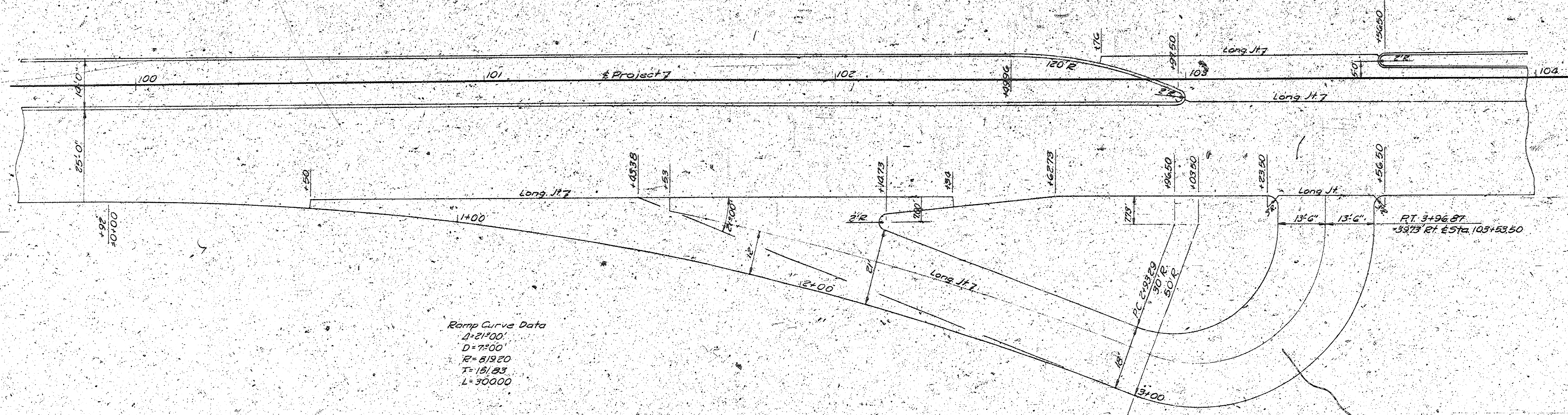
PLATE 1: PLAN, PROFILE, & P&R STANDARD
NEUTRAL & CO. INC. NEW YORK

PUB. ROAD	STATE	PROJECT	FILE NO.	SHEET	DATE
2	KANSAS	220-87-236 (3)	1161	6	3/1

Ramp Curve Data
 $\Delta = 28^\circ 57'$
 $D = 9^\circ 00'$
 $L = 255.00$
 $E = 6376.75$
 $T = 123.37$



WEST BOUND LANE



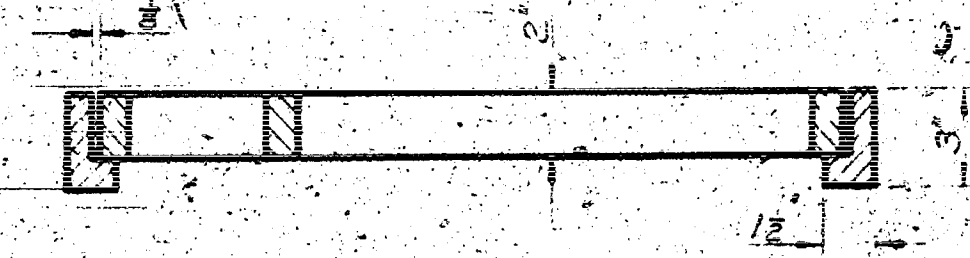
EAST BOUND LANE

Ramp Curve Data
 $\Delta = 21^\circ 00'$
 $D = 7^\circ 00'$
 $R = 819.20$
 $T = 18.84$
 $L = 500.00$

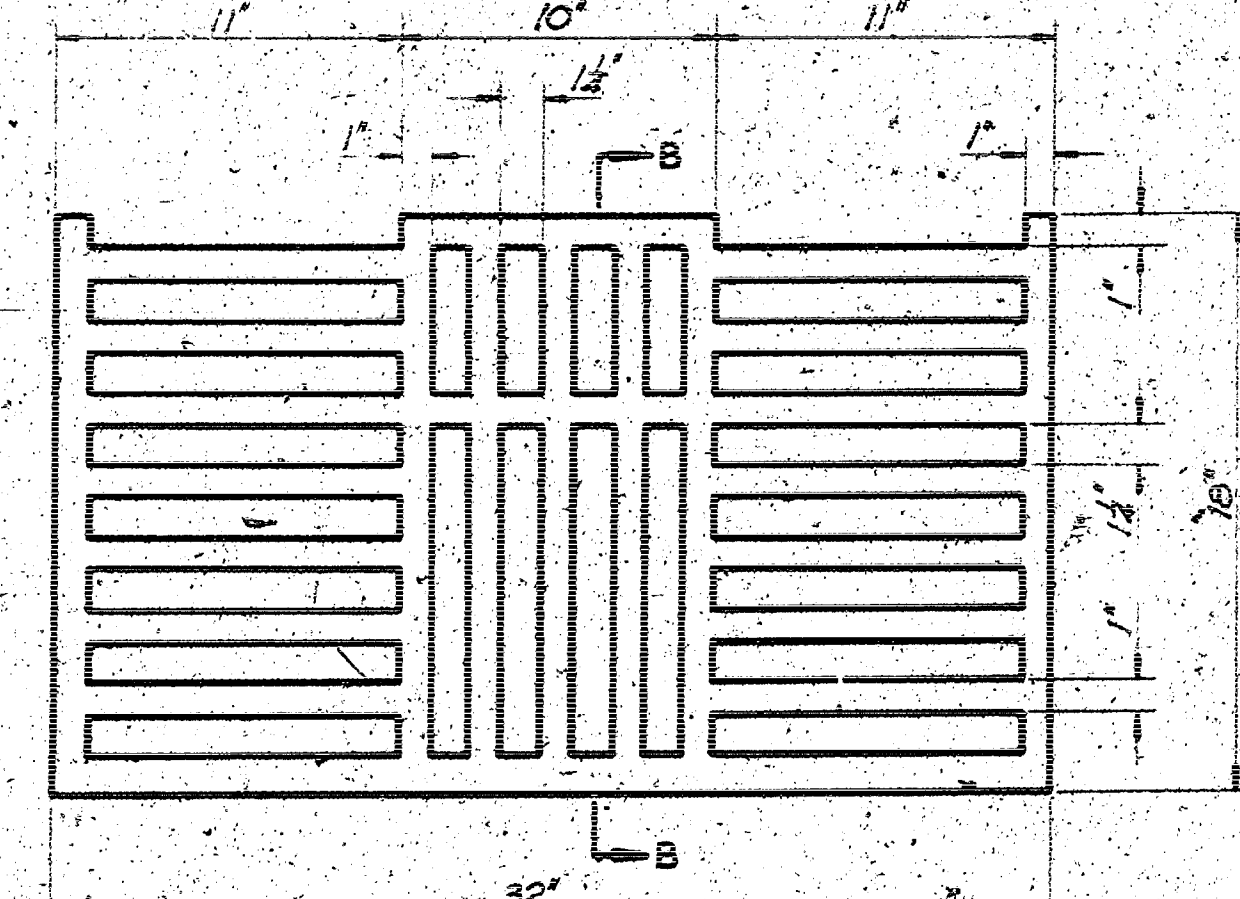
STATE HIGHWAY COMMISSION OF KANSAS					
U-TURN RAMP DETAILS					
PROJECT NO.	220-87-236 (3)	SCALE	1" = 15'	DATE	3/1
DESIGNER	TRAC	CHECKED	TRAC	DATE	3/1
DESIGN	TRAC	CHECKED	TRAC	DATE	3/1

DITCH INLET

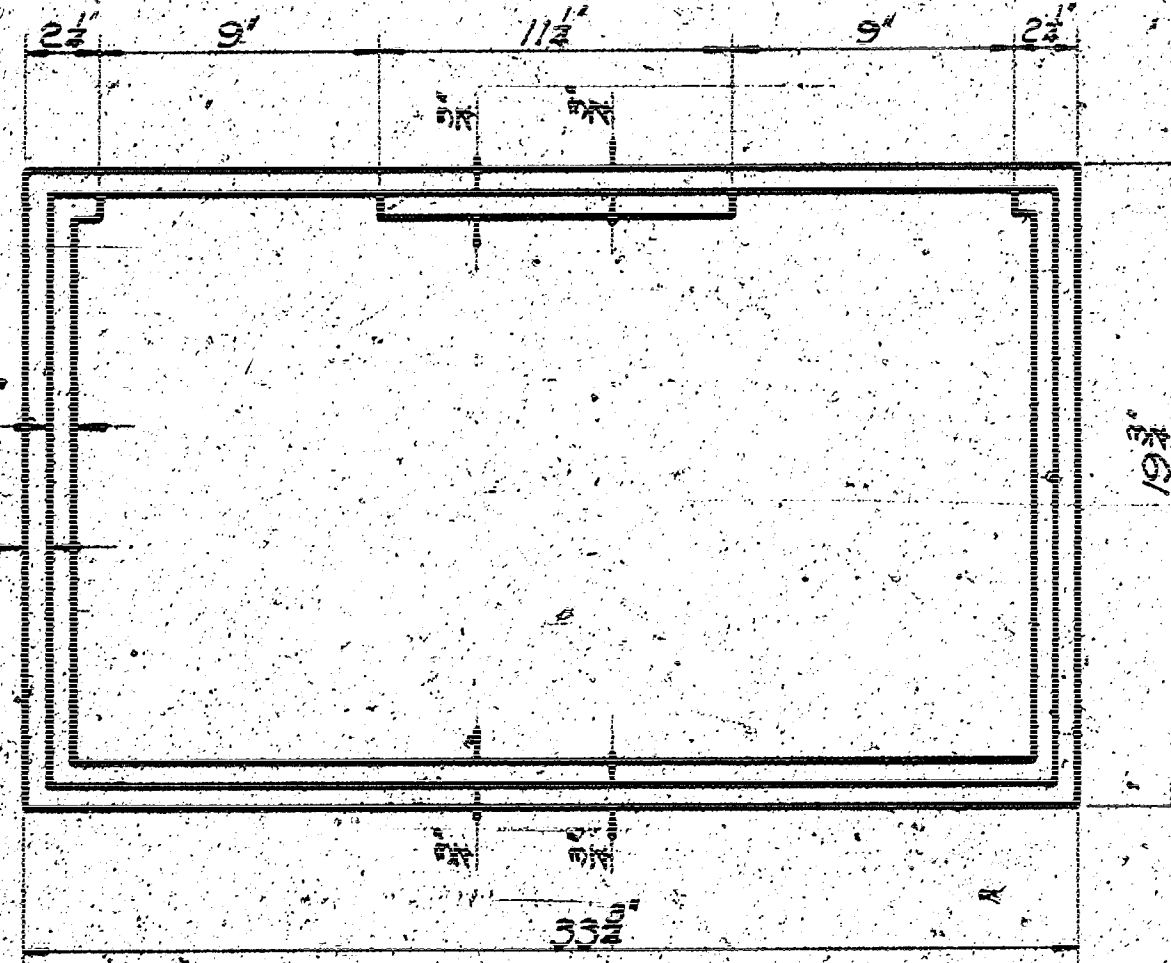
LT STA. 96+50
RT STA. 103+00



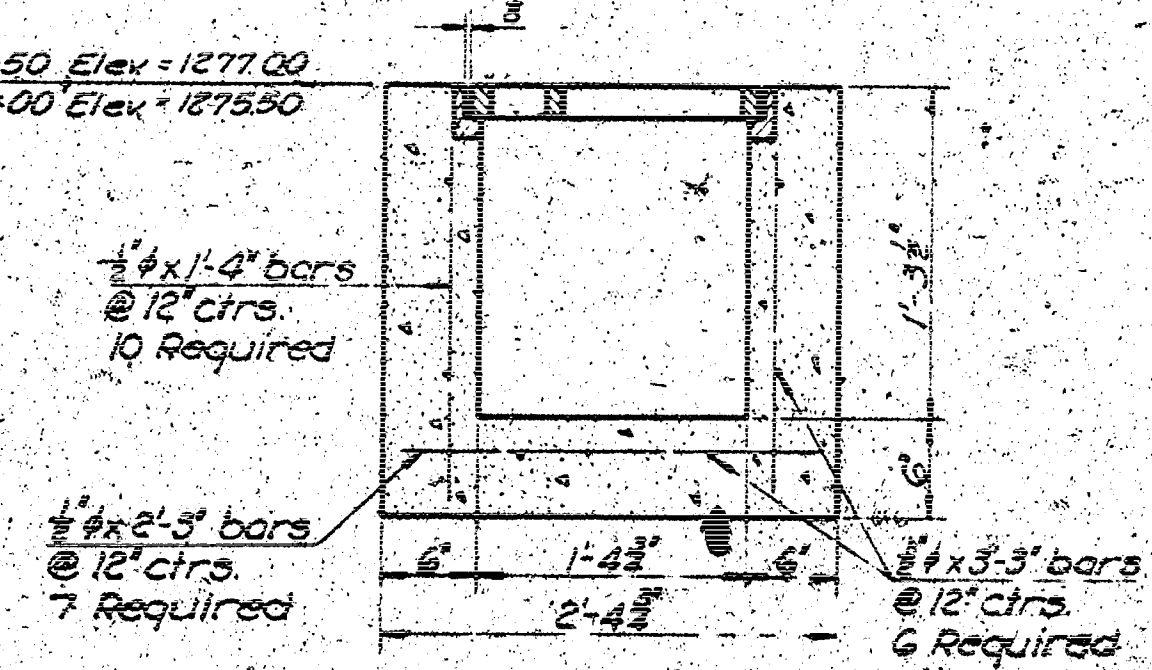
SECTION B-B



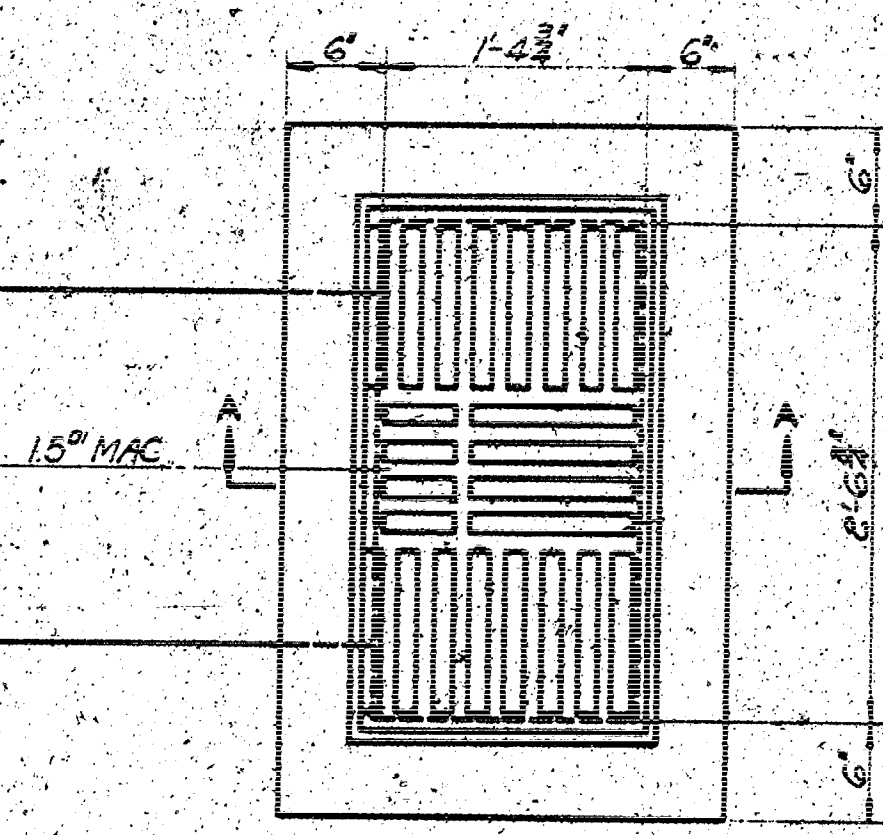
PLAN OF GRATE
Weight: 170 Lbs.



PLAN OF FRAME
Weight: 85 Lbs.
Scale: 2"=1'



SECTION A-A



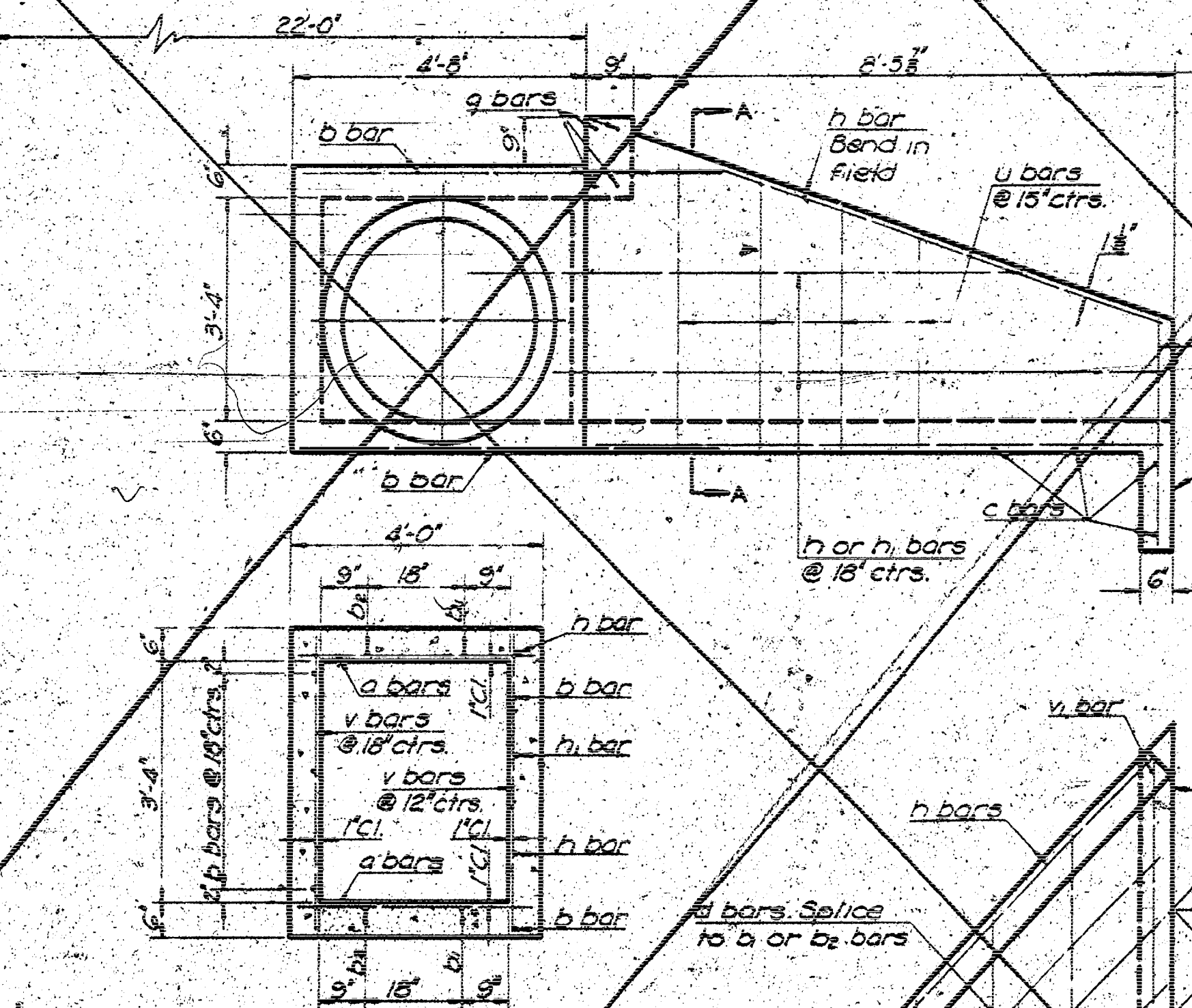
PLAN Scale: 1/2"=1'

QUANTITIES	
Class "A" Concrete	0.6 Cu Yd
Reinforcing Steel	25 Lbs
Cast Iron	255 Lbs
Class "B" Excavation	2 Cu Yds

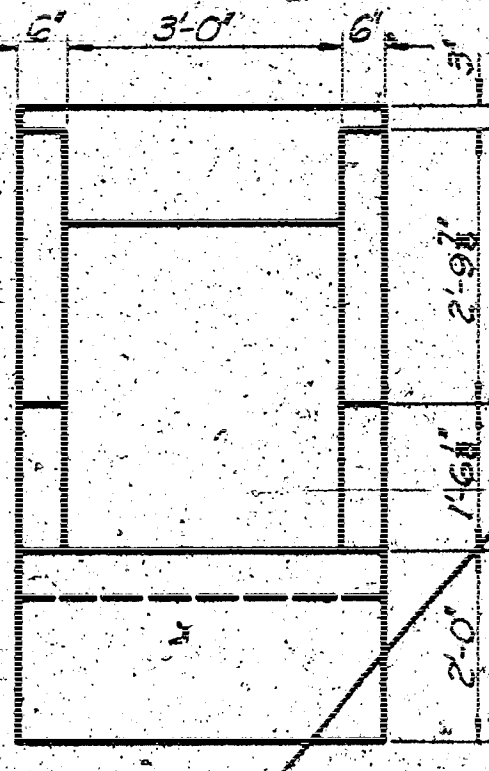
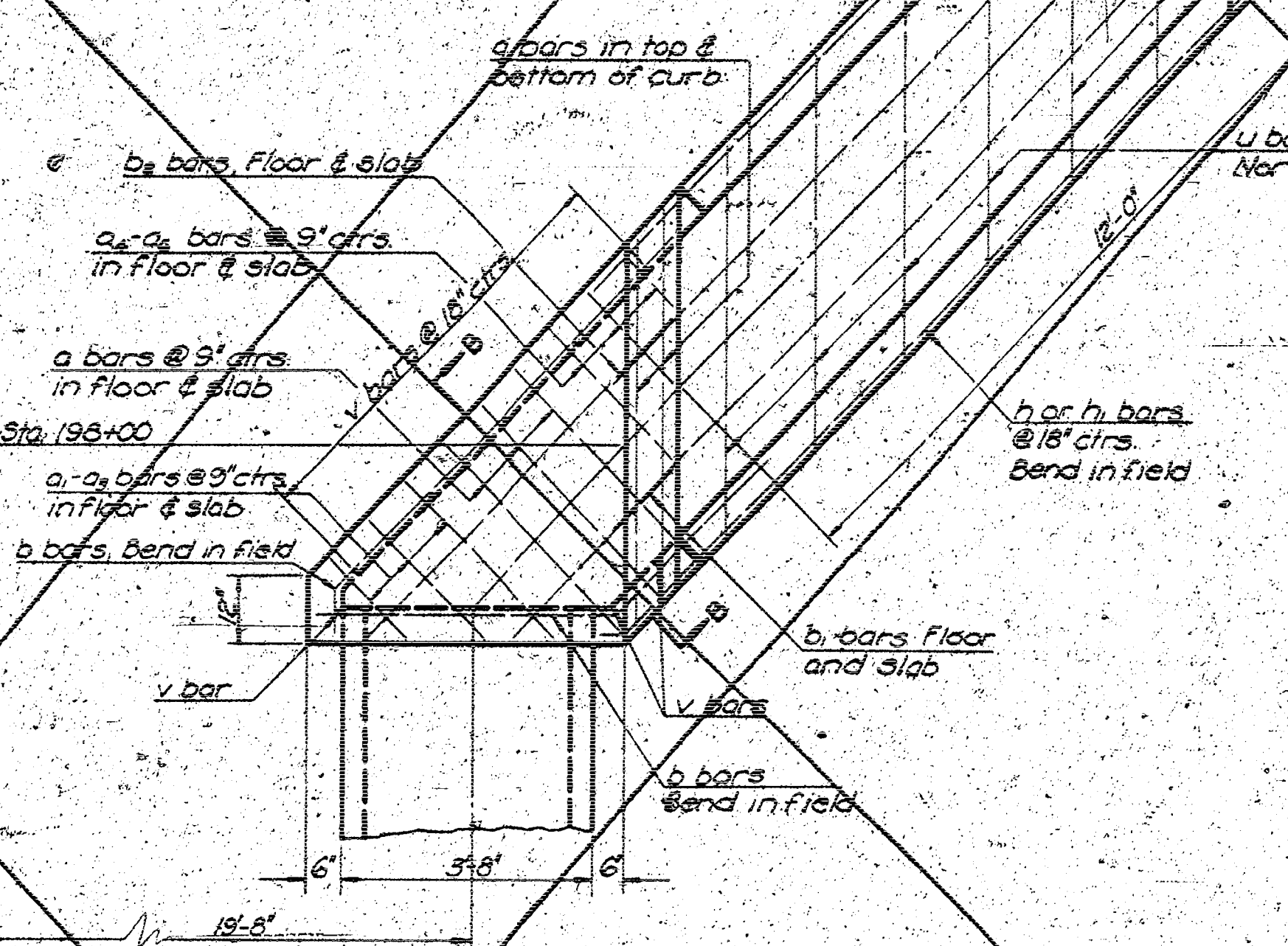
Notes:
Use Class "A" Concrete thruout.
All weights of castings are calculated weights with 10% allowed for fillets, overruns, anchor bars and bolts.
Standard gutter castings for Type 4GC catch basin and catch basin manhole used by City of Topeka.

SPECIAL OUTLET HEADWALL

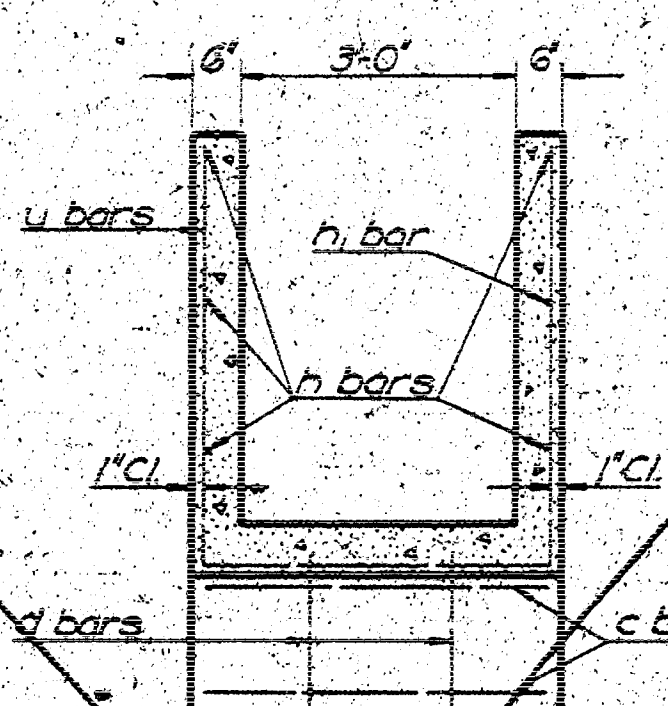
RT STA. 198+00



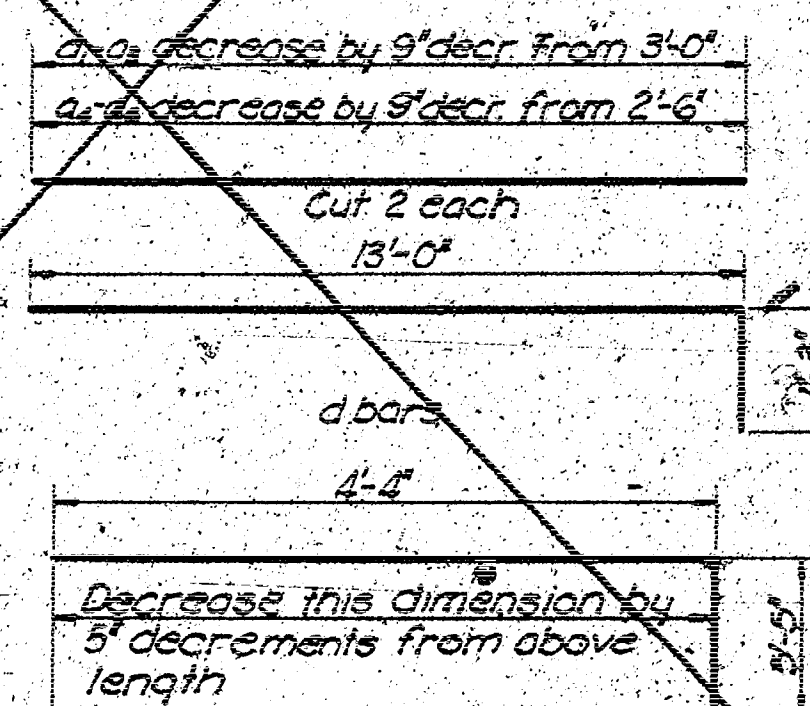
SECTION B-B



END ELEVATION



SECTION A-A



BENDING DIAGRAMS
All dimensions are cut to cut of bars.
All bars are No. 4.

Note: See Sta. No. for General Note.

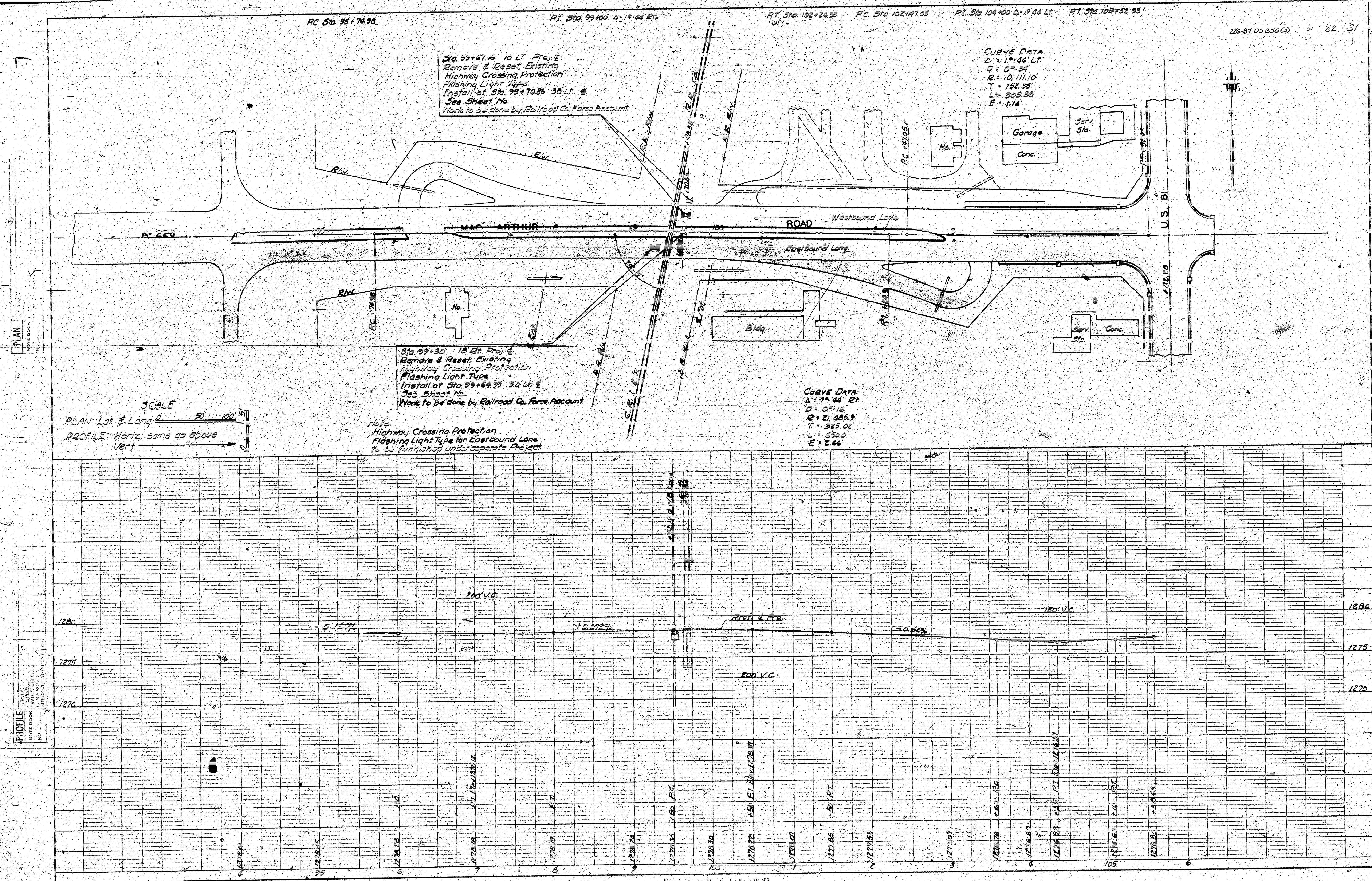
BAR LIST	
Bar	a
Number	12
Length	3'-9"

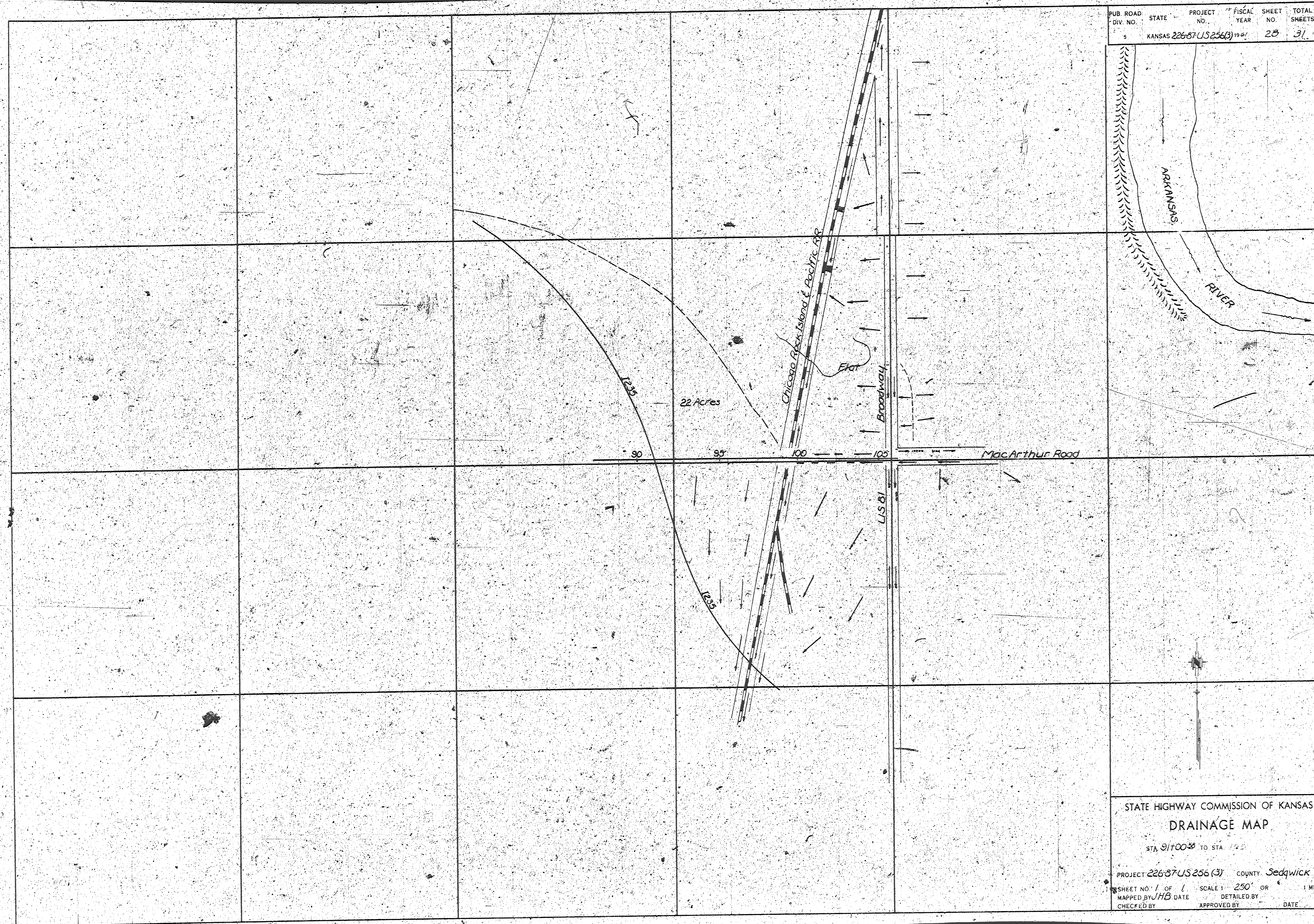
QUANTITIES	
Class "A" Concrete	4.0 CY
Reinf. Steel	230 Lbs
Class "B" Exc.	21 CY

STATE HIGHWAY COMMISSION OF KANSAS

DITCH INLETS

DESIGNED BY M.K. DRAWN BY M.K. CHECKED BY M.K. APPROVED BY M.K.





PUB. ROAD	STATE	PROJECT	FISCAL	SHEET	TOTAL
DIV. NO.	NO.	NO.	YEAR	NO.	SHEETS
5	KANSAS	22637US256(3)	1941	20	31

STATE HIGHWAY COMMISSION OF KANSAS
DRAINAGE MAP
STA. 91+00 TO STA. 105+00
PROJECT 22637US256(3) COUNTY Sedgwick
SHEET NO. 1 OF 1 SCALE 1" = 250' OR 1 MILE
MAPPED BY/HB DATE DETAILED BY
CHECKED BY APPROVED BY DATE