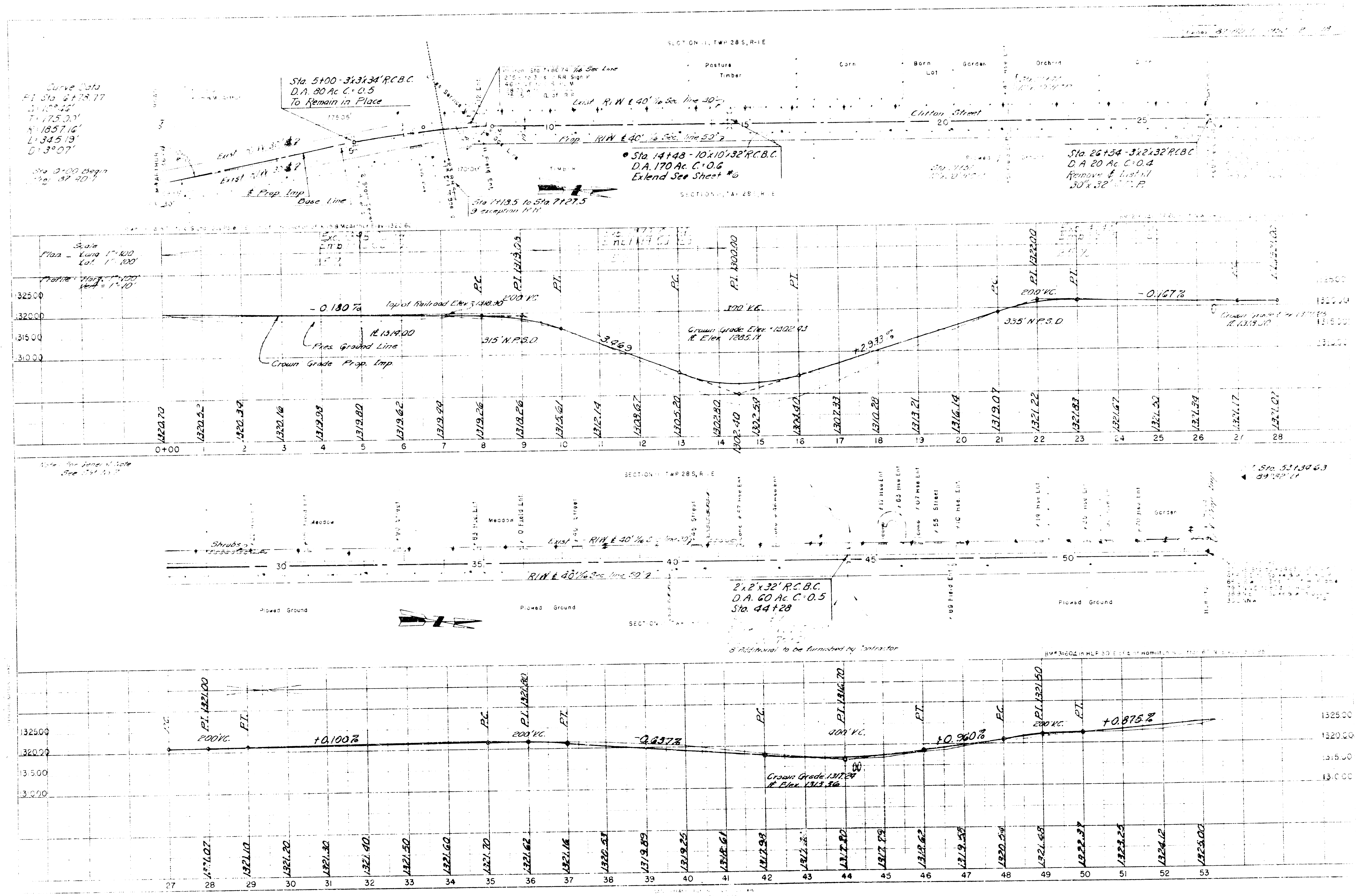
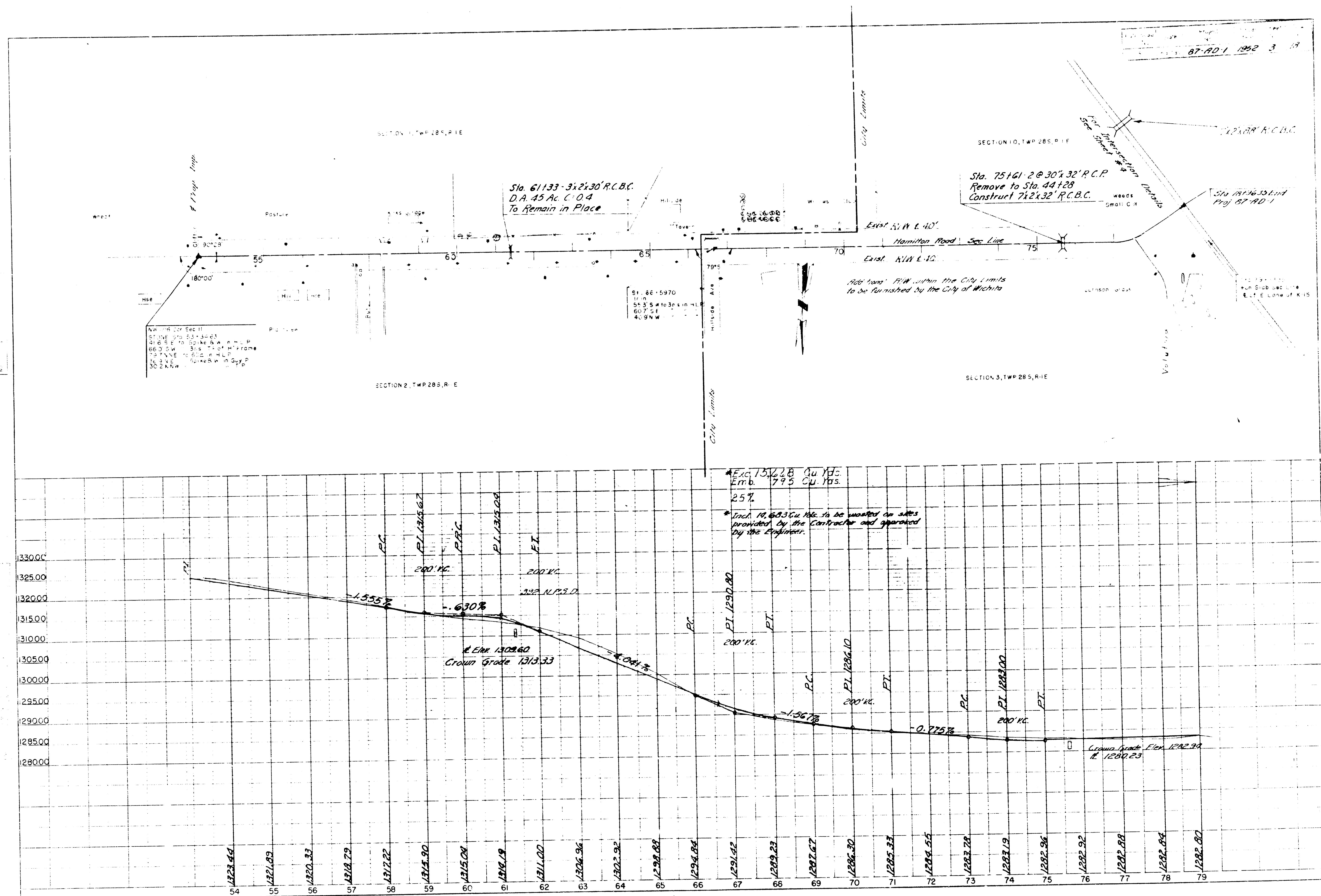
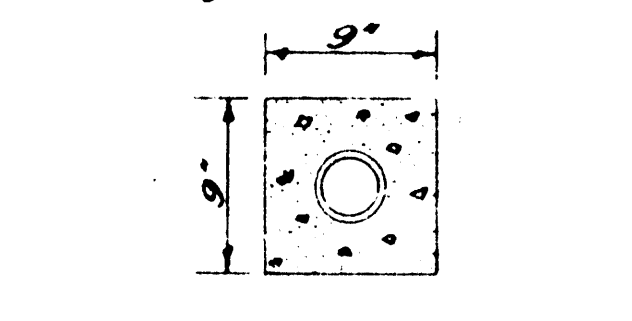
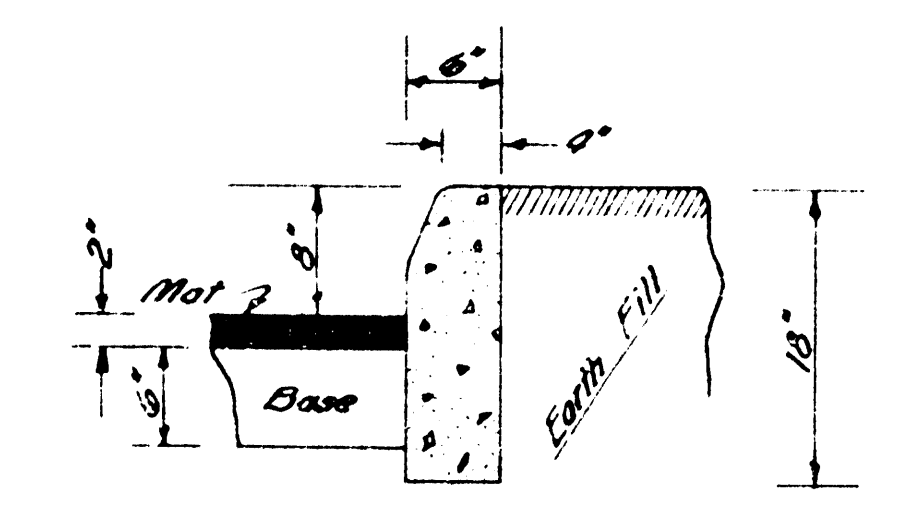
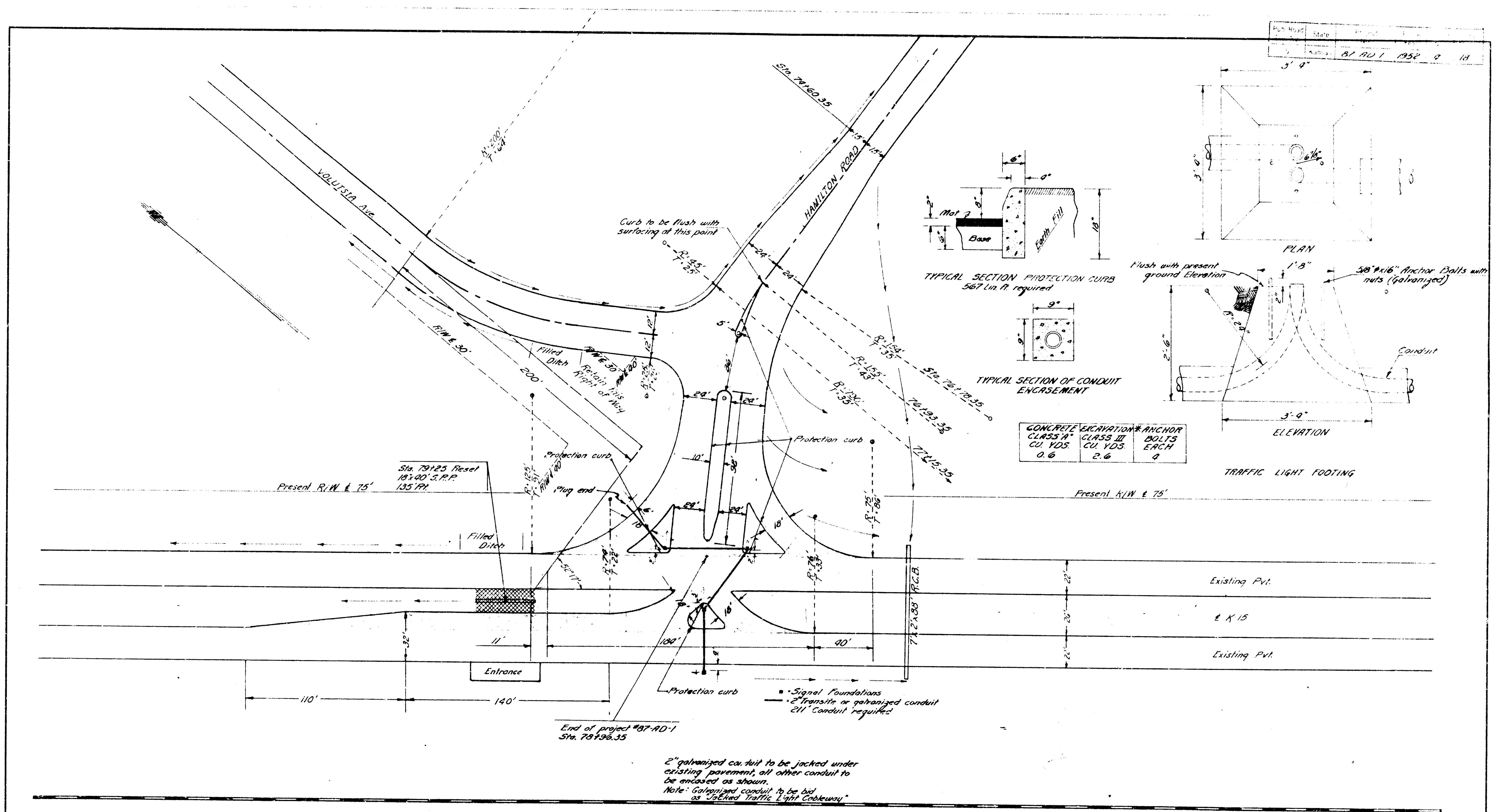
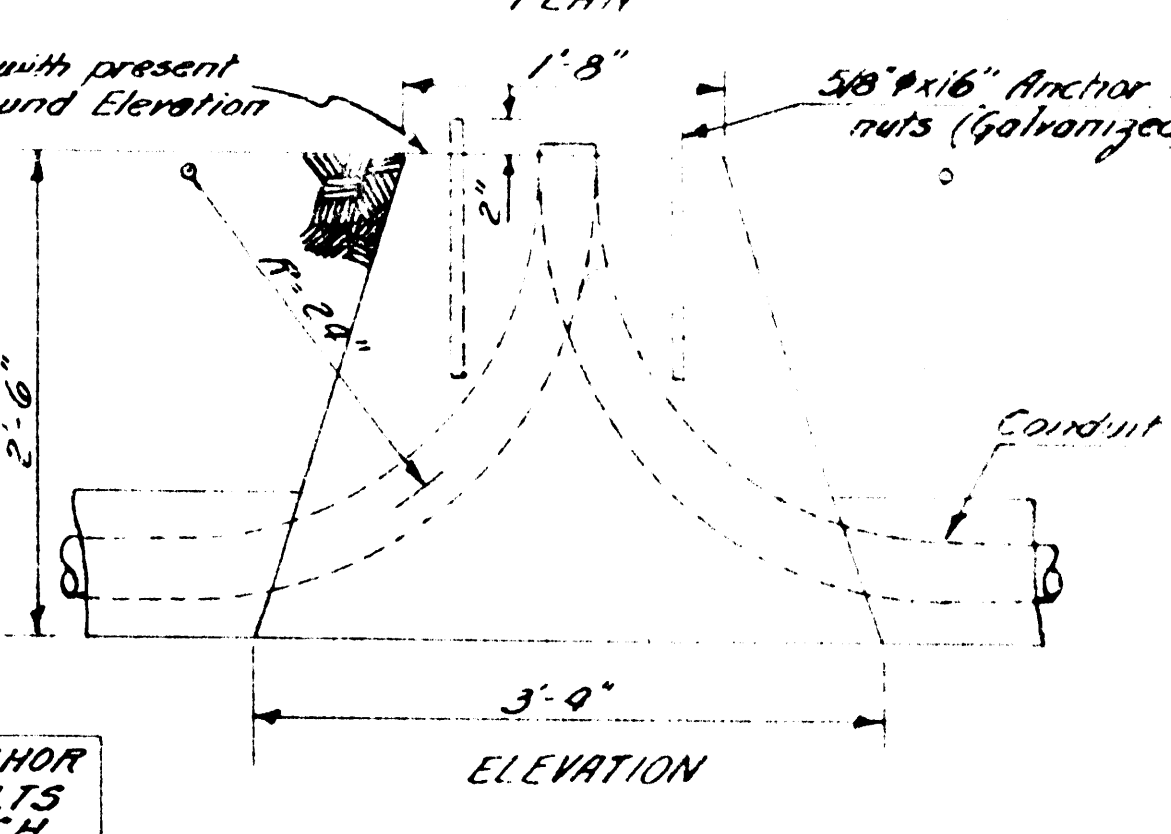
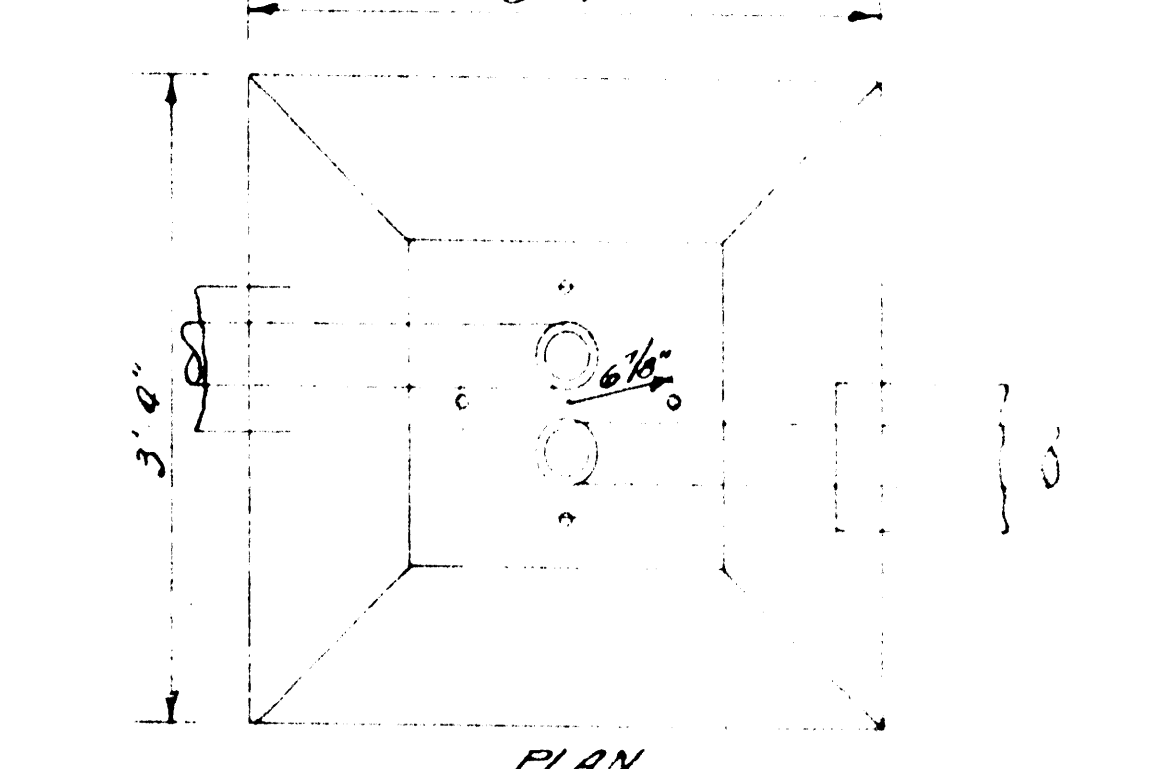








CONCRETE	EXCAVATION	ANCHOR
CLASS A	CLASS III	BOLTS
CU. YDS.	CU. YDS.	EACH
0.6	2.6	9

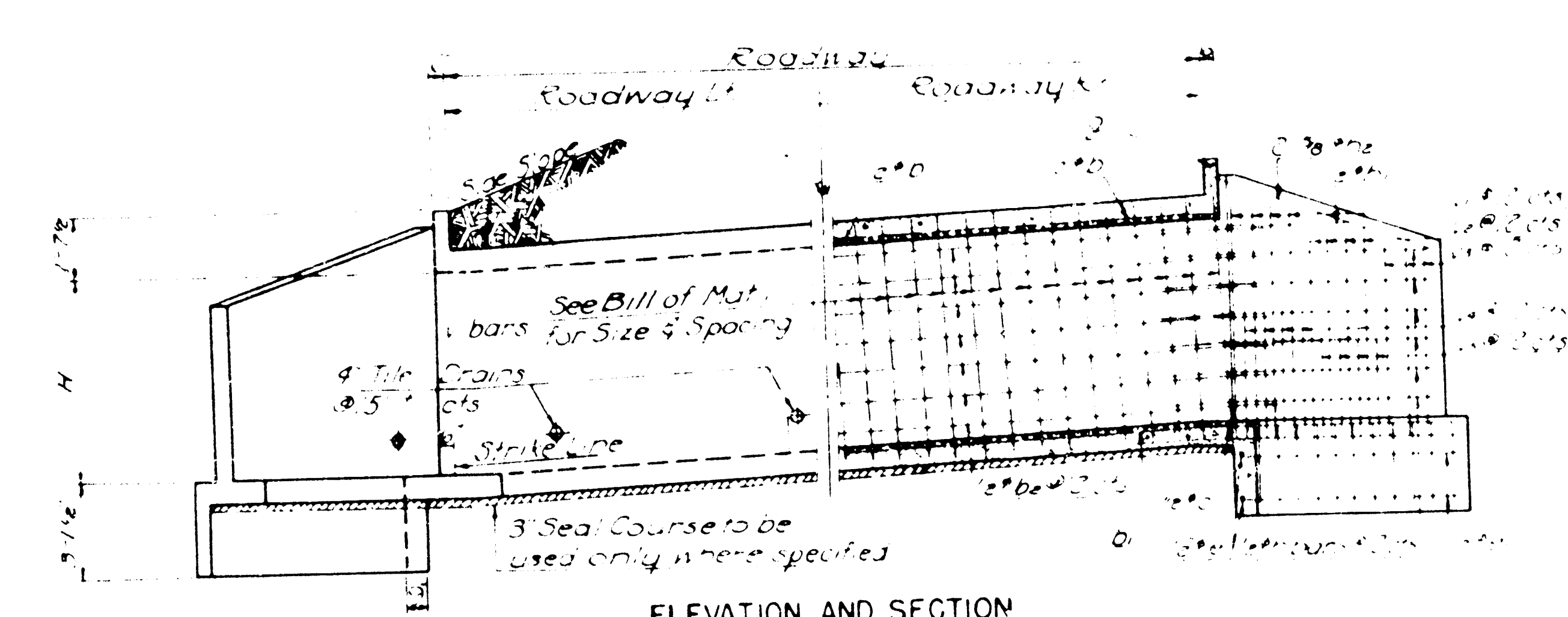


TRAFFIC LIGHT FOOTING

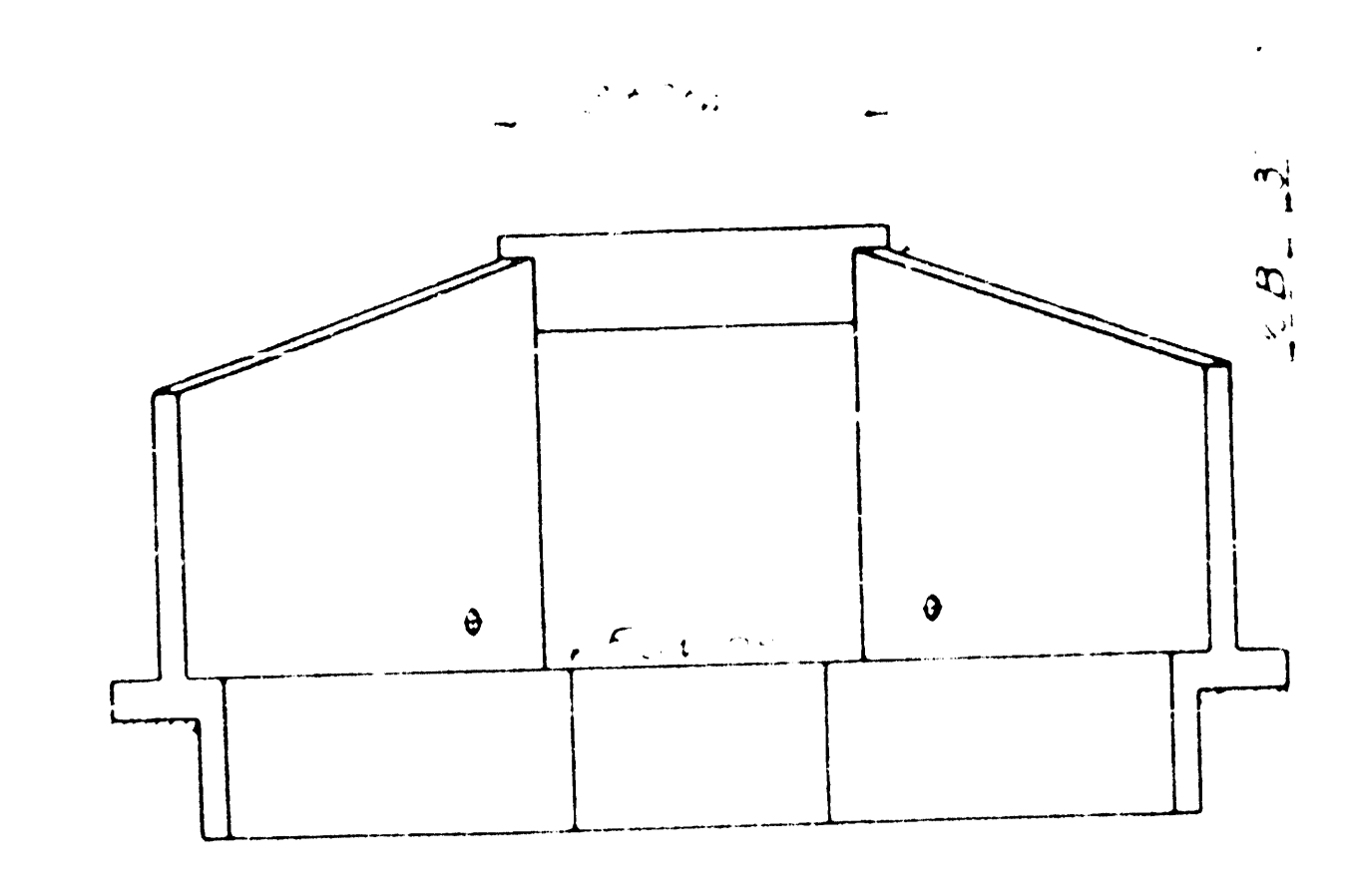
INTERSECTION DETAILS K-15 & HAMILTON RD.

PREPARED BY
SEDGWICK COUNTY ENGINEERING DEPT.
RUFUS S. KIRK — COUNTY ENGINEER

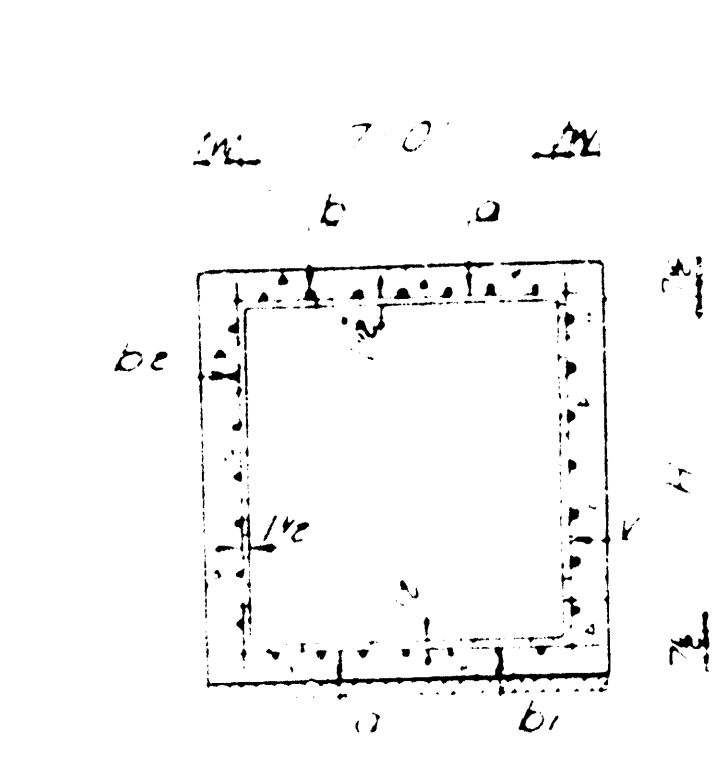
REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	1"=30'	R.P.H.	R.W.M.		
DATE					
PLANFILE				TOTAL SHEETS	



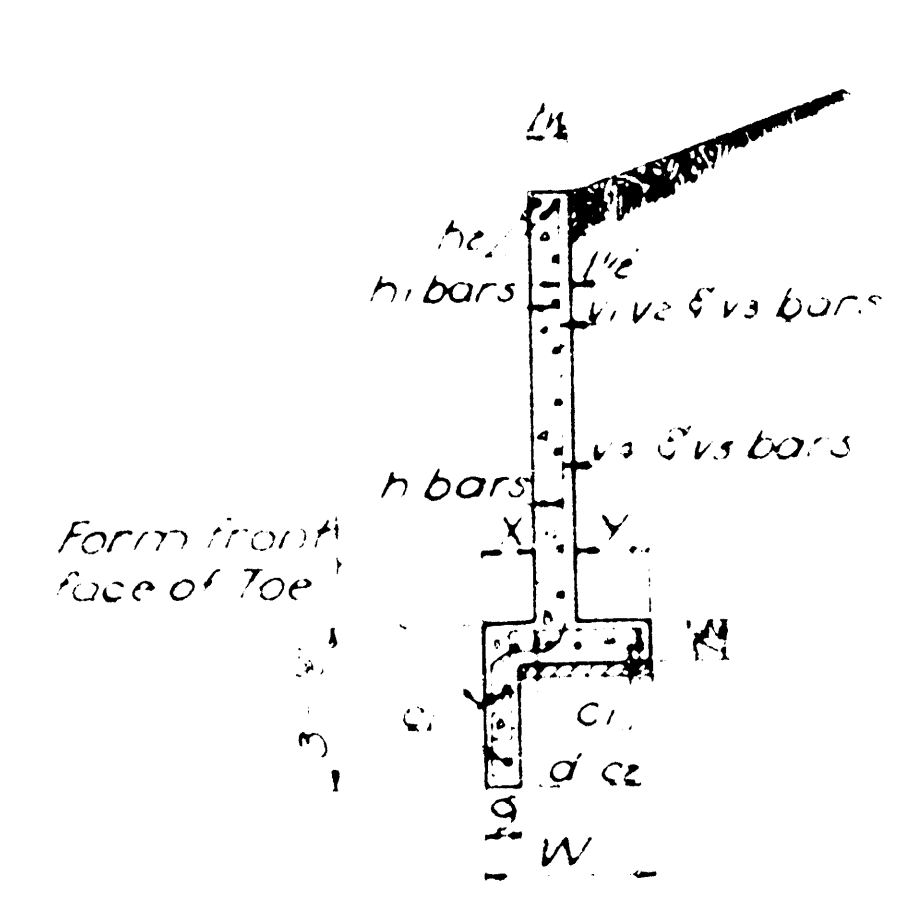
ELEVATION AND SECTION



END ELEVATION

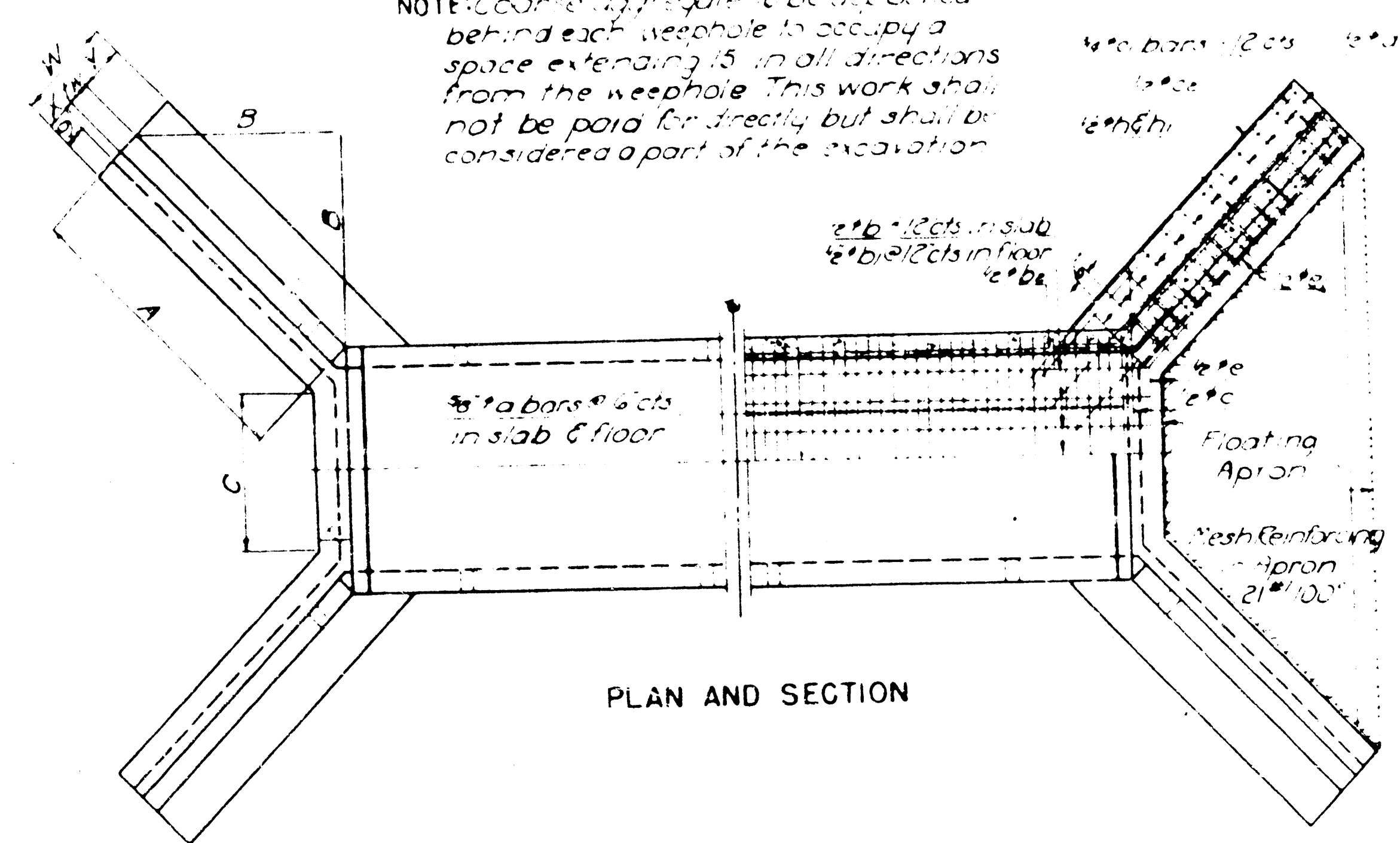


SECTION THRU BOX

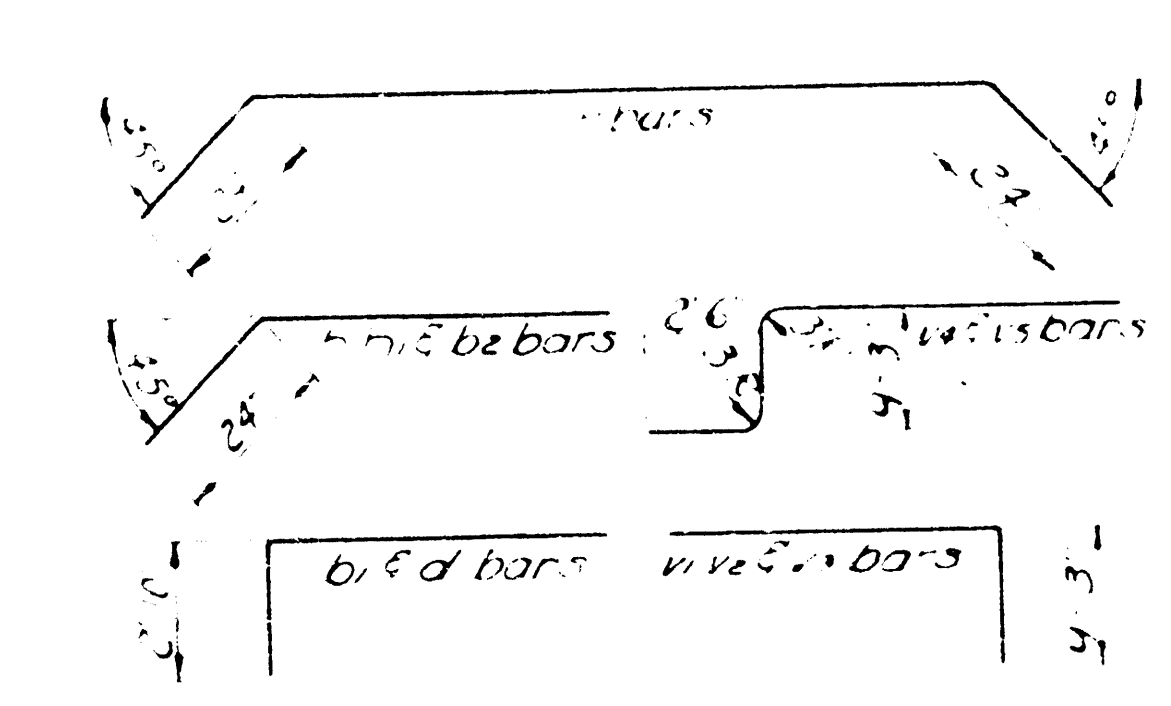


SECTION THRU WING

NOTE: Coarse aggregate to be deposited behind each weephole to occupy a space extending in all directions from the weephole. This work shall not be paid for directly but shall be considered a part of the excavation.



PLAN AND SECTION



SECTION THRU APRON

Des. gn Note: Length b: $b \times 1 \times 2.7$
 $b \times b \times 2.4$

1. Roadway Horizontal distance
 " Length Distance along box

BENDING DIAGRAMS

LIST OF CULVERTS

[illegible][illegible]

NOTE: Class A Concrete to be used thru-out
Exposed edges with a 1/2" triangular
molding.

Seal Course consisting of 3" Class A
Concrete to be constructed only where
specified on the plans or by the Engineer.
No reinforcing shall be placed until Seal
Course has gained sufficient strength to
permit working upon it without injury.

floating Aeron to be constructed only
between downstream wings in locations
subject to action where specified on the
plans or by the Engineer.

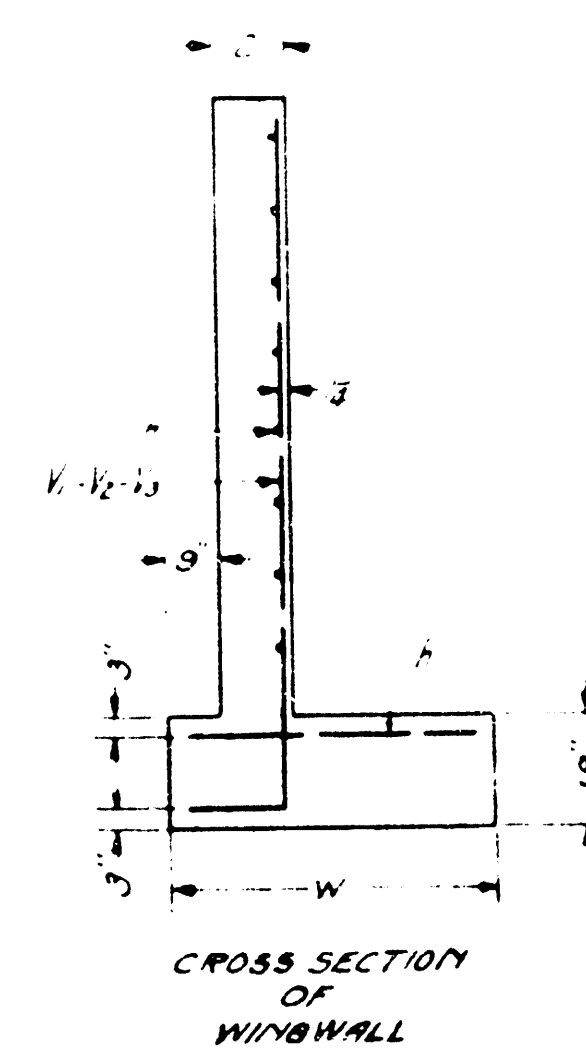
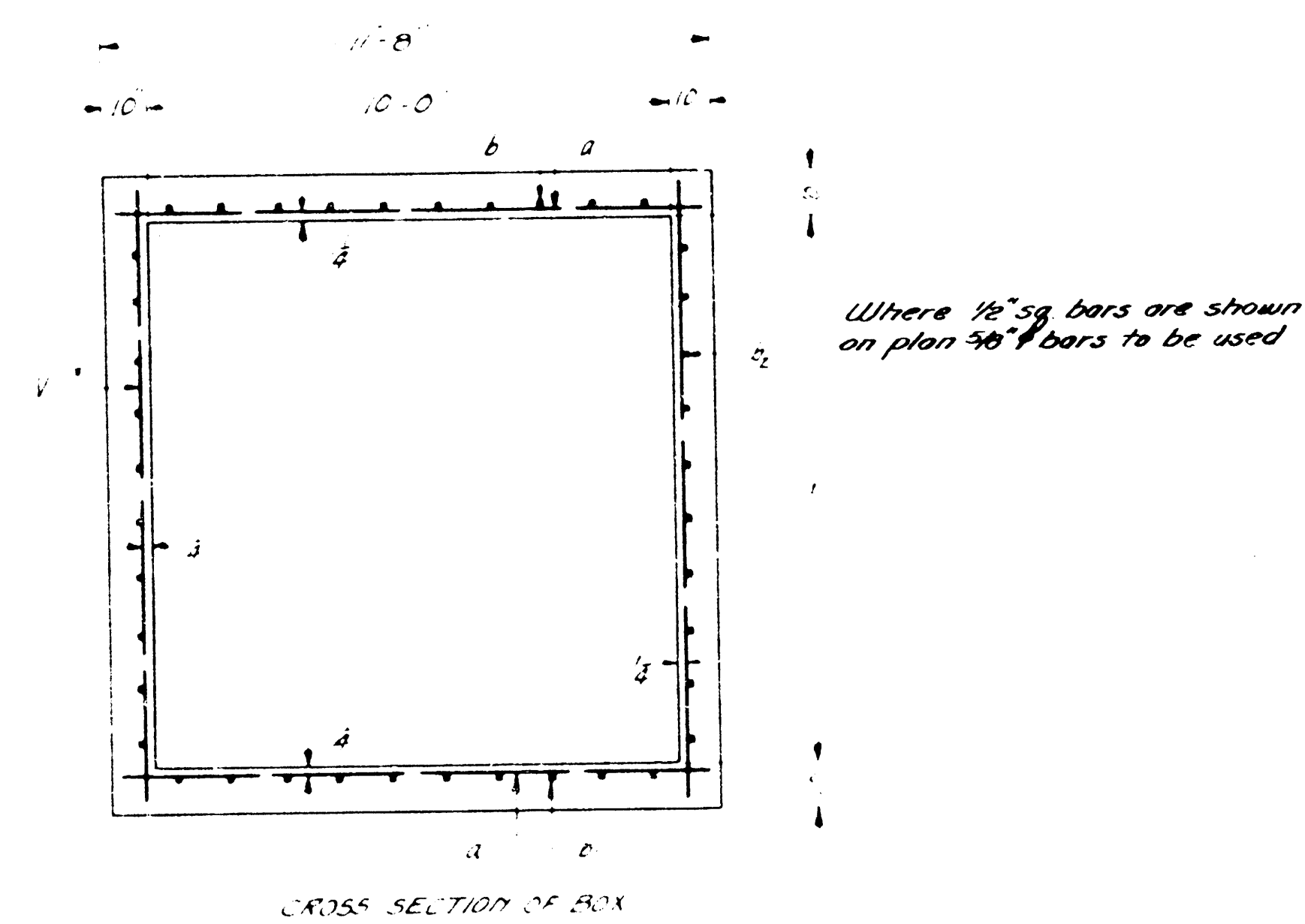
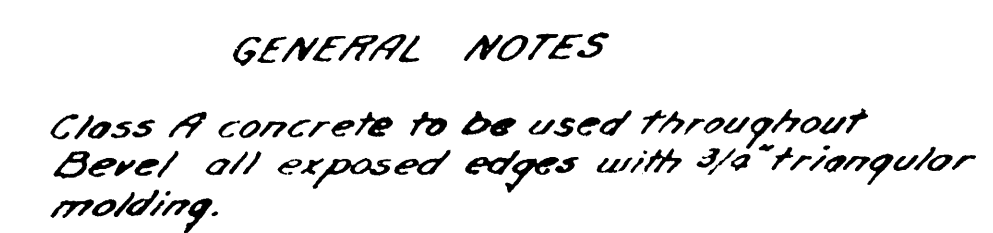
Payment for additional quantities result-
ing from including Seal Course and Aeron
is changes in original Plans shall be made
at unit price for various items involved.

Wire reinforcing mesh shall be
electro-welded square mesh, and
shall be composed of No. 10 gauge steel
wire spaced at 12" centers each way.

Reinforced joints to be provided on all corners
of 45° or more in box length and to be so
spaced as to divide the box into sections of
equal length.
Maximum height for this design
is 0.

STATE HIGHWAY COMMISSION OF KANSAS
CONCRETE
BOX CULVERT
7 FT SPAN
STD NO. H 15 1940-4=1
11' x 14' 6"
11' x 14' 6"

Pub. Road Dist. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	Kansas	87-AD-1	1952	6	18

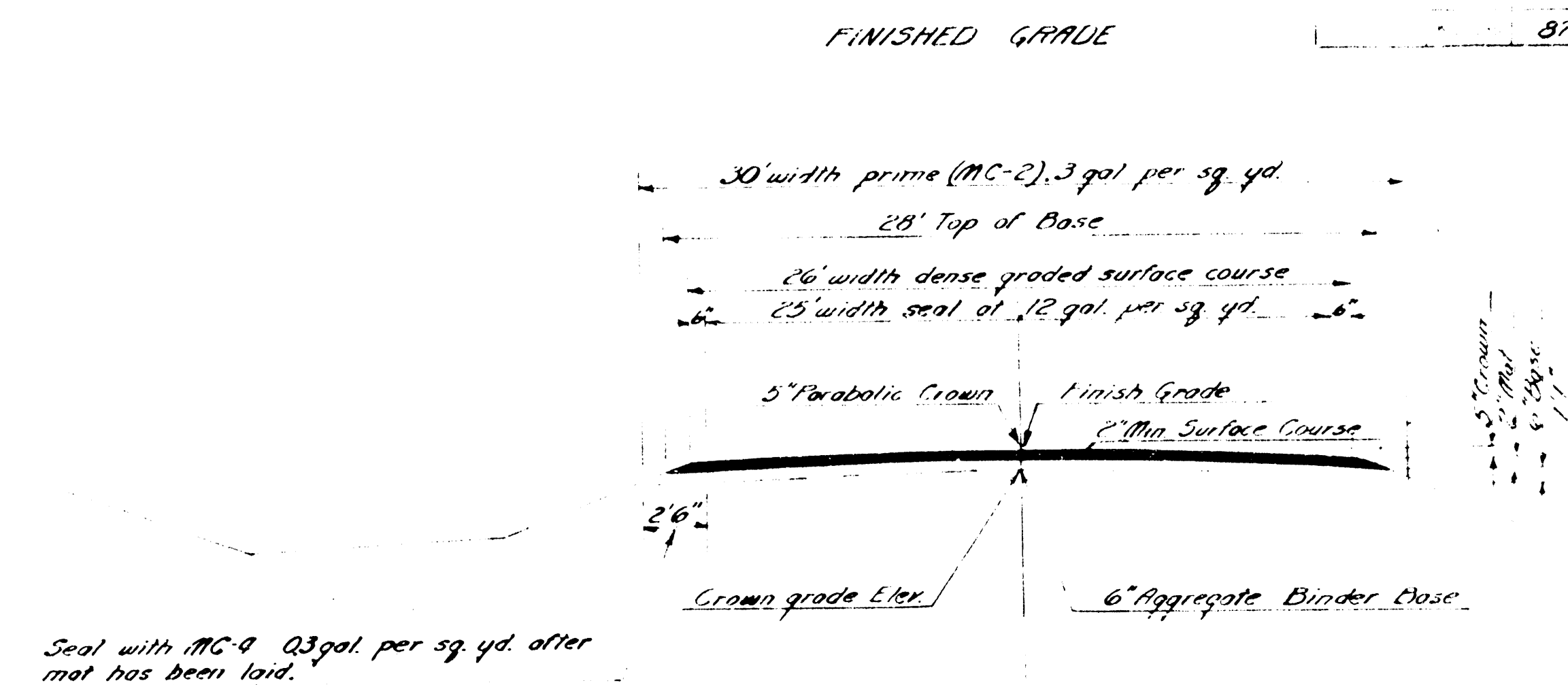
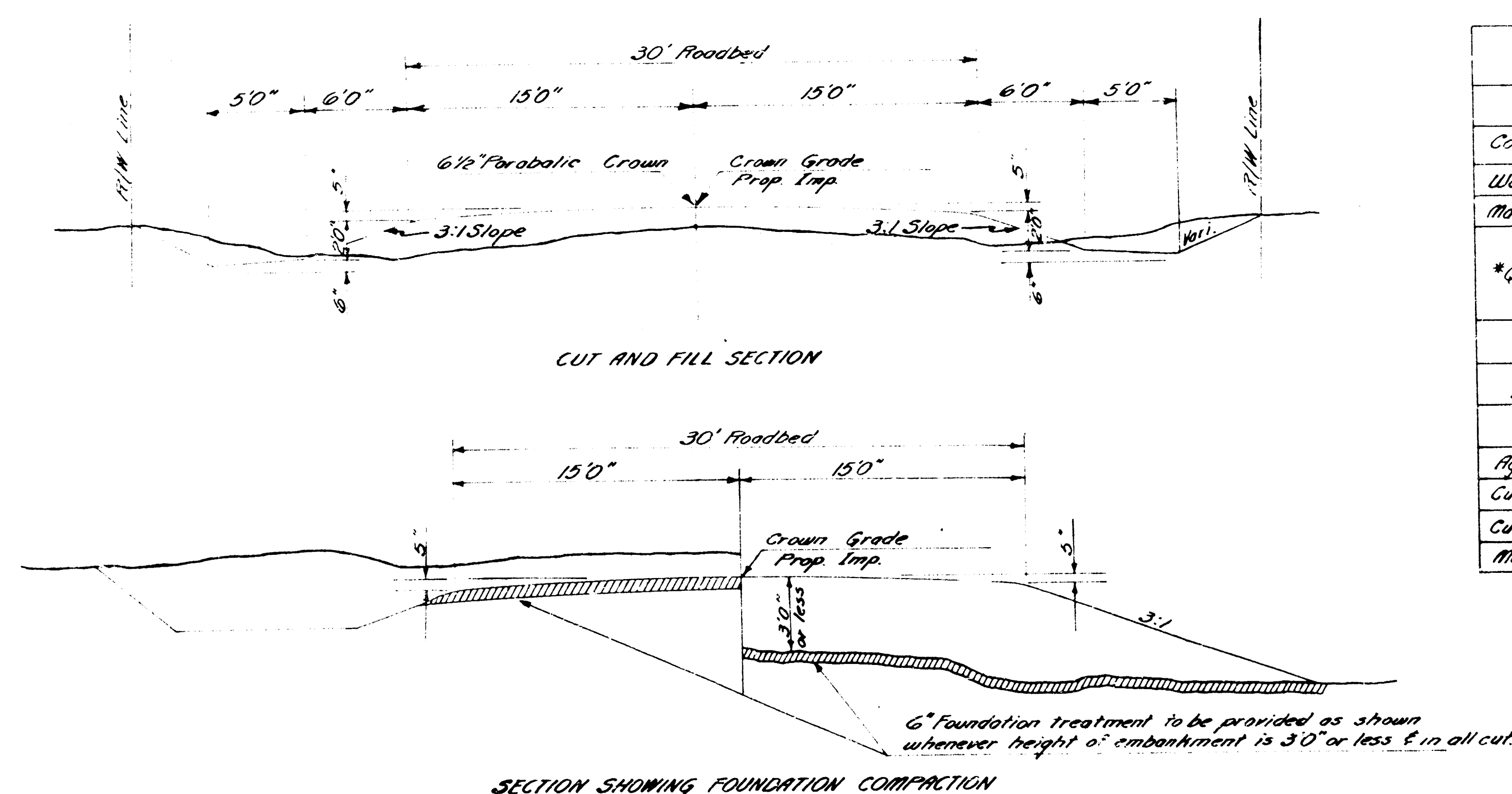


	A	B	H	W	Bar	V
Latex		5.2	10.0	4.8	Source	12"
Dimensions	11.6					
No.	3	6	22	6	4	4
Bar	173	14	10	20	22	24
Size	3/8	3/8	1/2	3/8	3/8	3/8
Length	11-5	23-6	24-3	25-6	4-5	13-5
Reinforcing Steel lbs.						40.14
Concrete Class A Cu Yds.						94.7

10'x10' RCBC EXTENSION RT.
Sta. 14+48

All additional right of way required shall be furnished by
 Seaguard County.
 Encroachments such as fences, buildings, telephone,
 telegraph and power lines shall be moved by the owners.
 All water lines less than three feet below the surface of
 the proposed grade or not in good condition shall be
 located, repaired or moved beyond the limits of the road-
 bed by the owners.
 All other underground utilities shall be placed in good
 condition and adjusted to fit the new construction by the
 owners.
 If a contractor shall contact utility companies for location
 of all underground lines prior to construction.
 In the interest of Public Safety, all gas, gasoline and oil
 lines shall be moved beyond the limits of the roadbed by the
 owner unless special provision for their retention has been
 made.
 Typical sections shown on this sheet shall govern
 regardless of the templates shown on cross-sections.
 For list of entrances & side road pipe to be reset see
 quantity sheet.

PIPES						
Size	Size	Type	RM	LP	Reced	Replace
6150	15'x30"	CMP	✓			
8111	18'x30"	CMP	✓		✓	
8112	18'x20"	CMP		✓	✓	
21197	Filled Ditch			✓		
21151	Filled Ditch		✓		✓	
26163	18'x20"	CMP	✓			
29122	16'x20"	CMP		✓		
30158	16'x20"	CMP		✓		
31103	15'x20"	CMP		✓		
36100	16'x20"	CMP		✓		
41127	16'x20"	CMP		✓		
42146	18'x20"	CMP		✓		
43117	15'x20"	CMP		✓		
43163	15'x18"	CMP		✓		
46107	15'x20"	CMP		✓		
46189	18'x20"	CMP	✓			
47110	18'x20"	C.T.C.				
49116	18'x20"	CMP		✓		
50135	18'x20"	CMP		✓		
50190	18'x20"	C.T.C.		✓		
51170	18'x20"	C.T.C.		✓		
58109	18'x20"	CMP		✓		
59113	12'x18"	CMP		✓		
66155	15'x32"	CMP		✓		
SIDE ROAD PIPES						
32190	18'x30"	C.T.C.			✓	
37190	16'x30"	CMP		✓		
40145	16'x30"	CMP		✓		
46155	18'x18"	CMP		✓		



TYPICAL SECTION BASE COURSE DENSE GRADED SURFACE COURSE

- * Quantities have been based on the following
 - * combined material (A15.2) 100/lbs per cu ft.
- * * Water - 5 M. Gal. per 510
- * aggregate - (B.M. 1) 125/lbs. per cu ft. of Mat
- * Cutt Back Asphalt - MC-4 for Mat 5% of M¹ of app
- * * Compaction :
 - * Mat Seal - MC-4 (0.12 Gal. Per Sq. Yd.)
 - * Shoulder Seal - MC-4 (0.3 Gal. Per Sq. Yd.)
 - * Base Prime - MC-2 (30 Gal. Per Sq. Yd.)
- * Quantities are based on dry weights
- * * Incl. M. Gals. for Subgrade Preparation

Embankment grade to be brought to crown grade 1:1%.

Use 6" stabilized base protected by a bituminous mat surface course having a minimum thickness of 1.5" to be placed to the embankment under base course type A15.2 as covered in the "Standard Specifications." Type B compaction shall be used through the project for all embankment locations where foundation treatment is required. Quantities for foundation treatment are included in "Composition of embankment type A15.2"

Surfacing to be 2" Dense Graded Road Mix Surface Course (Class C-1)

Summary of Quantities for Base Course		
ITEM	Total for Project	Unit
Combined Material (AB-2)	*2821	Tons
Water	85.18	M Gal.
Manipulation	*2821	Tons
*Quantities have been increased 8% for contingencies		

Summary of Quantities for Surface Course		
Dense Graded Surface Course (Class C-1)		
ITEM	Total for Project	Unit
Aggregate (BMA-1)	2473	Tons
Cut back Asphalt (MC-2) for Prime	871.3	Gal.
Cut back Asphalt (MC-9) for Mol & Seal	3090	Gal.
Manipulation	2473	Tons

TYPICAL SECTIONS & SUMMARY OF QUANTITIES					
PREPARED BY					
SEDGWICK COUNTY ENGINEERING DEPT.					
— COUNTY ENGINEER					
REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	DATE				
	PLANFILE		TOTAL SHEETS		

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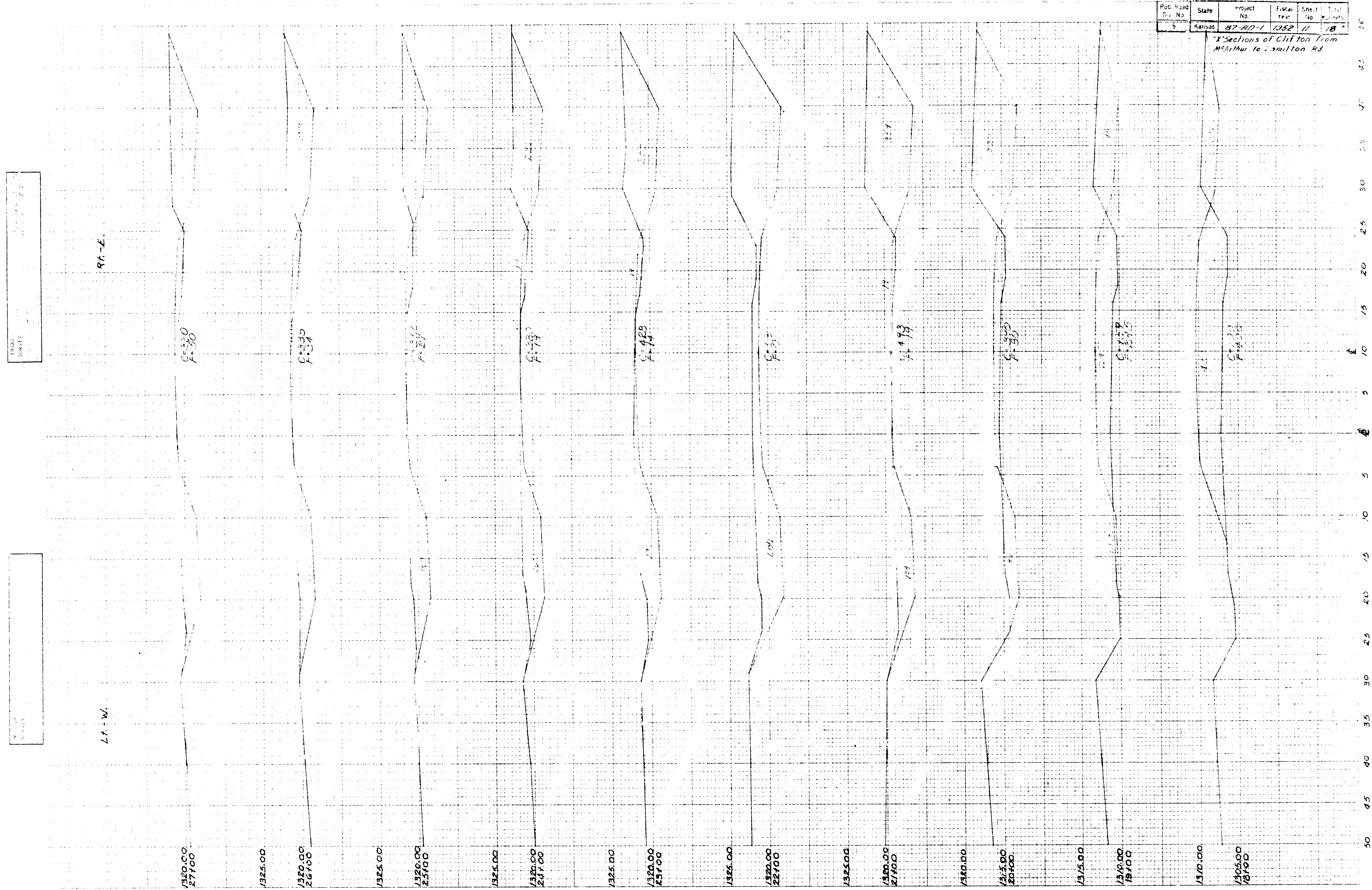
6 of RR Spui into Boeing and Air Base

Top of McArthur & Clifton Rd.

Project	State	Sheet	Scale
27-201	1950	3	1" = 100'
Sections of Clifton Trm.			
McArthur to Hamilton Rd			

Pub. Road Div. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	Kansas	87-AD-1	1952	11	18

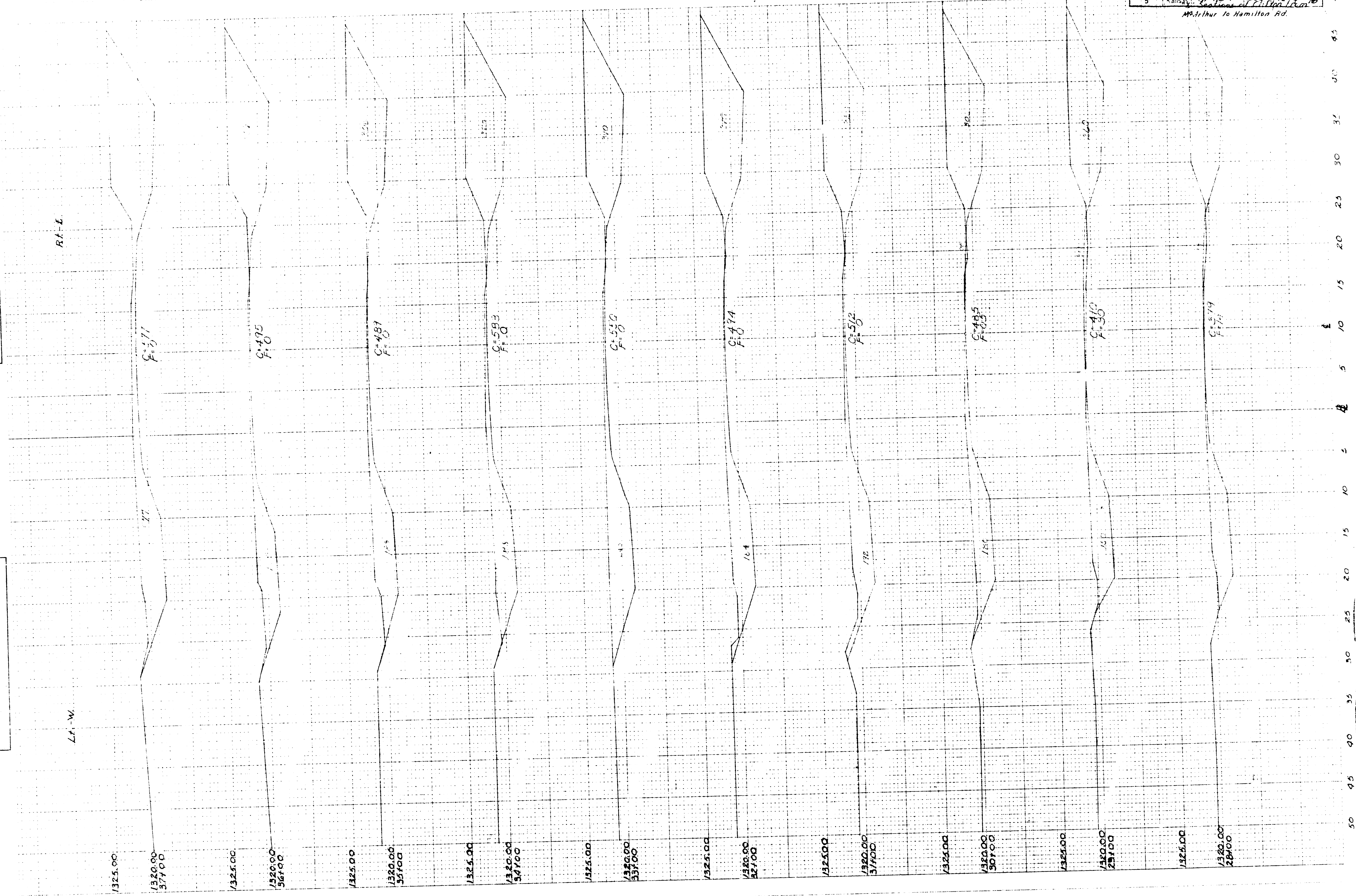
*X Sections of Clifton from McArthur to Hamilton Rd.



Pub. Road Dist. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	Kansas	47-AD-1	1952	12	12

*Sections of Clinton from
Mo. Arthur to Hamilton Rd.*

ANNALS
OF THE ENTOMOLOGICAL SOCIETY OF AMERICA
[Vol. 52, No. 1, February 1959]



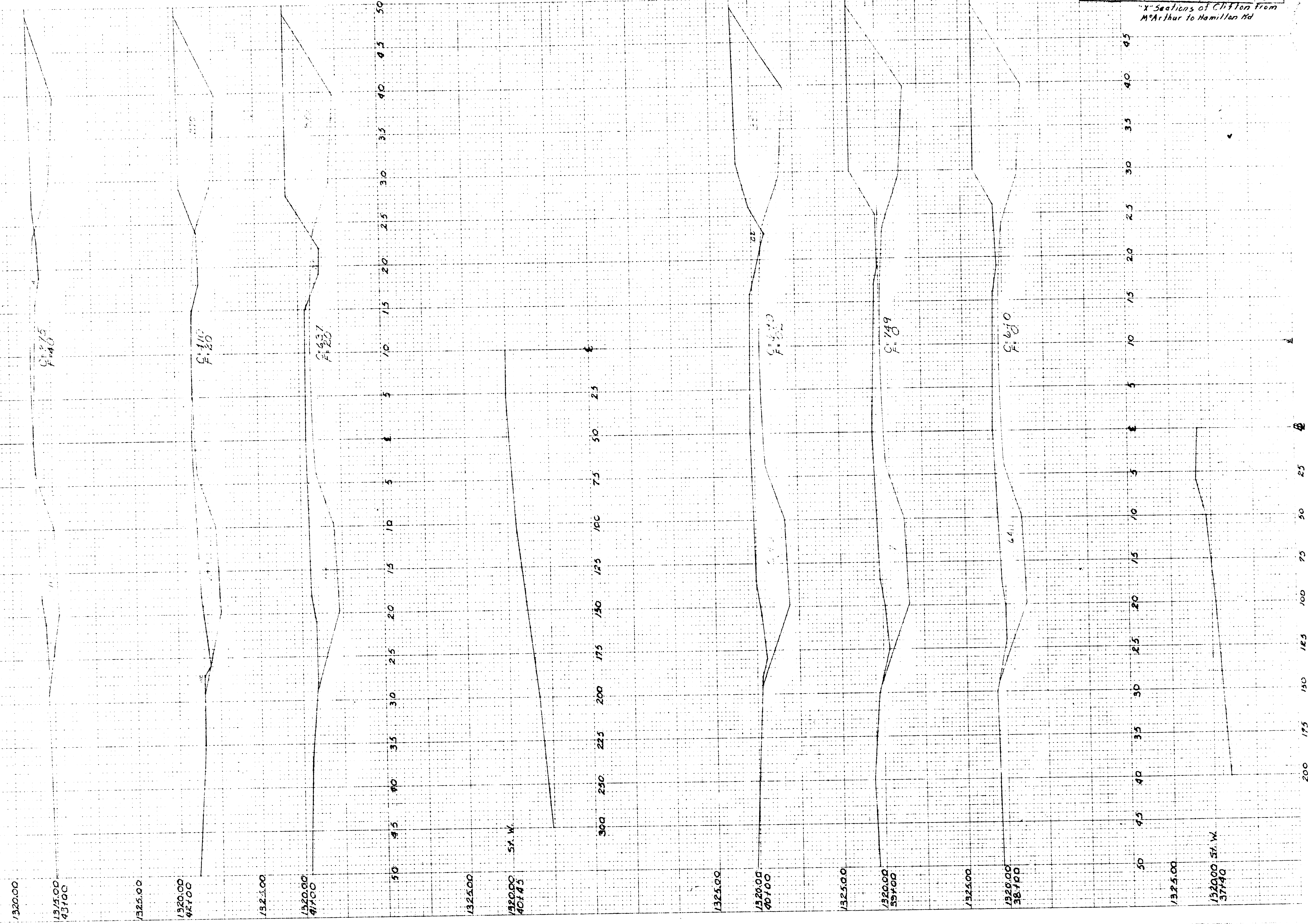
Mo. Arthur 10 Hamilton Rd.

SECTION
DATA

DATE
1948

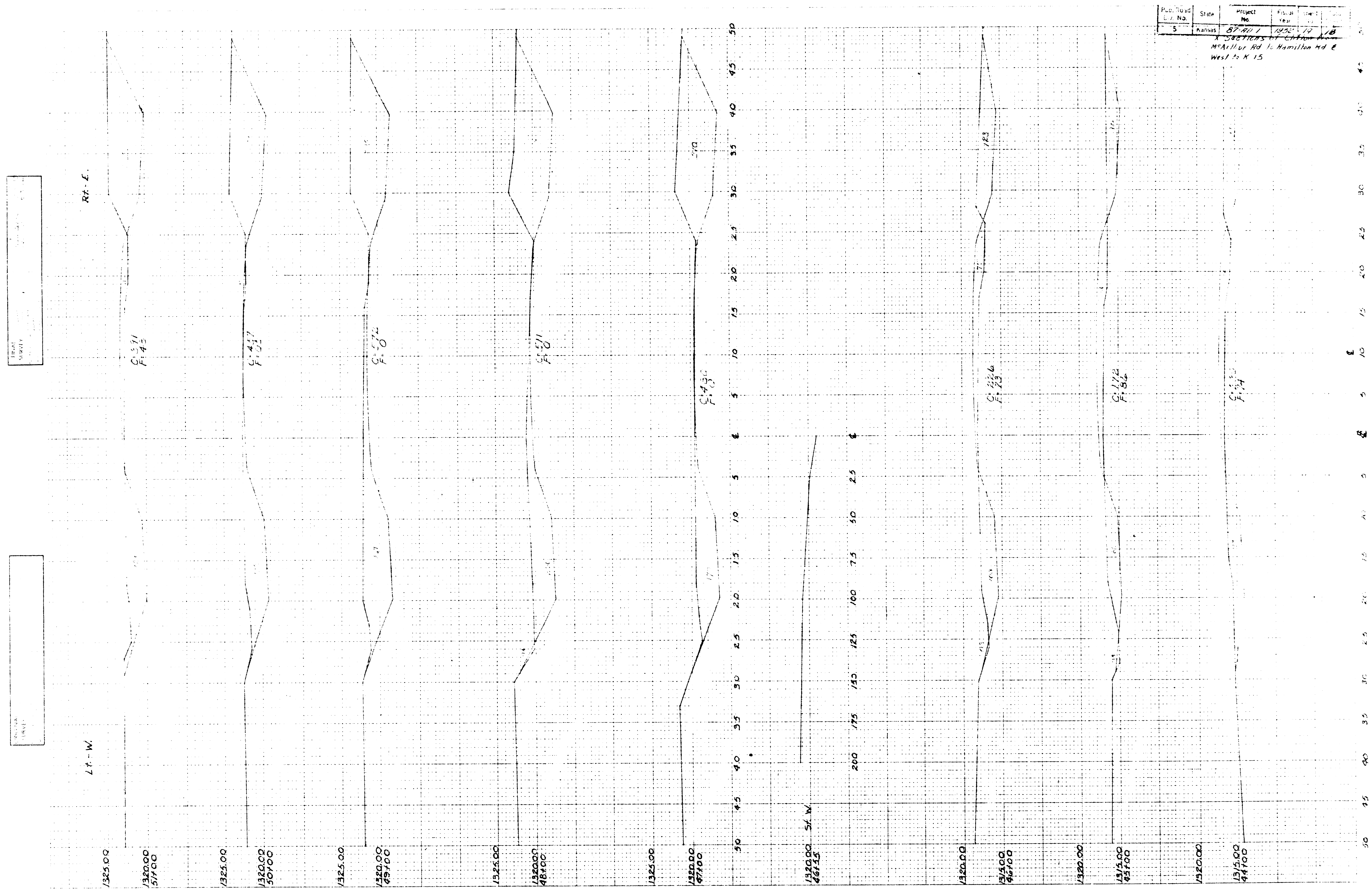
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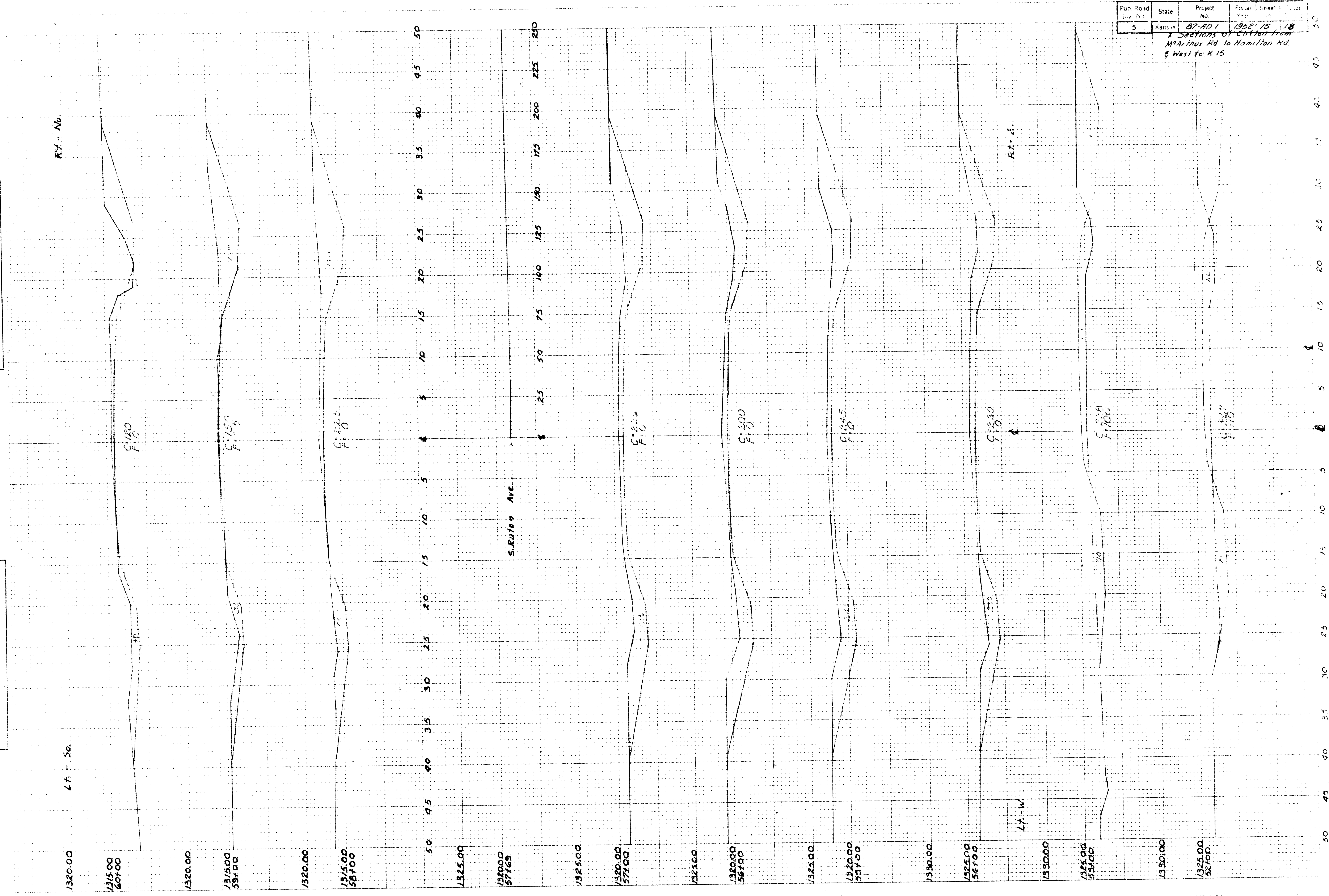
Proj. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
87-207	Mass.	1948	1948	13	18

Sections of Chilton from
M^{rs} Arthur to Hamilton Rd



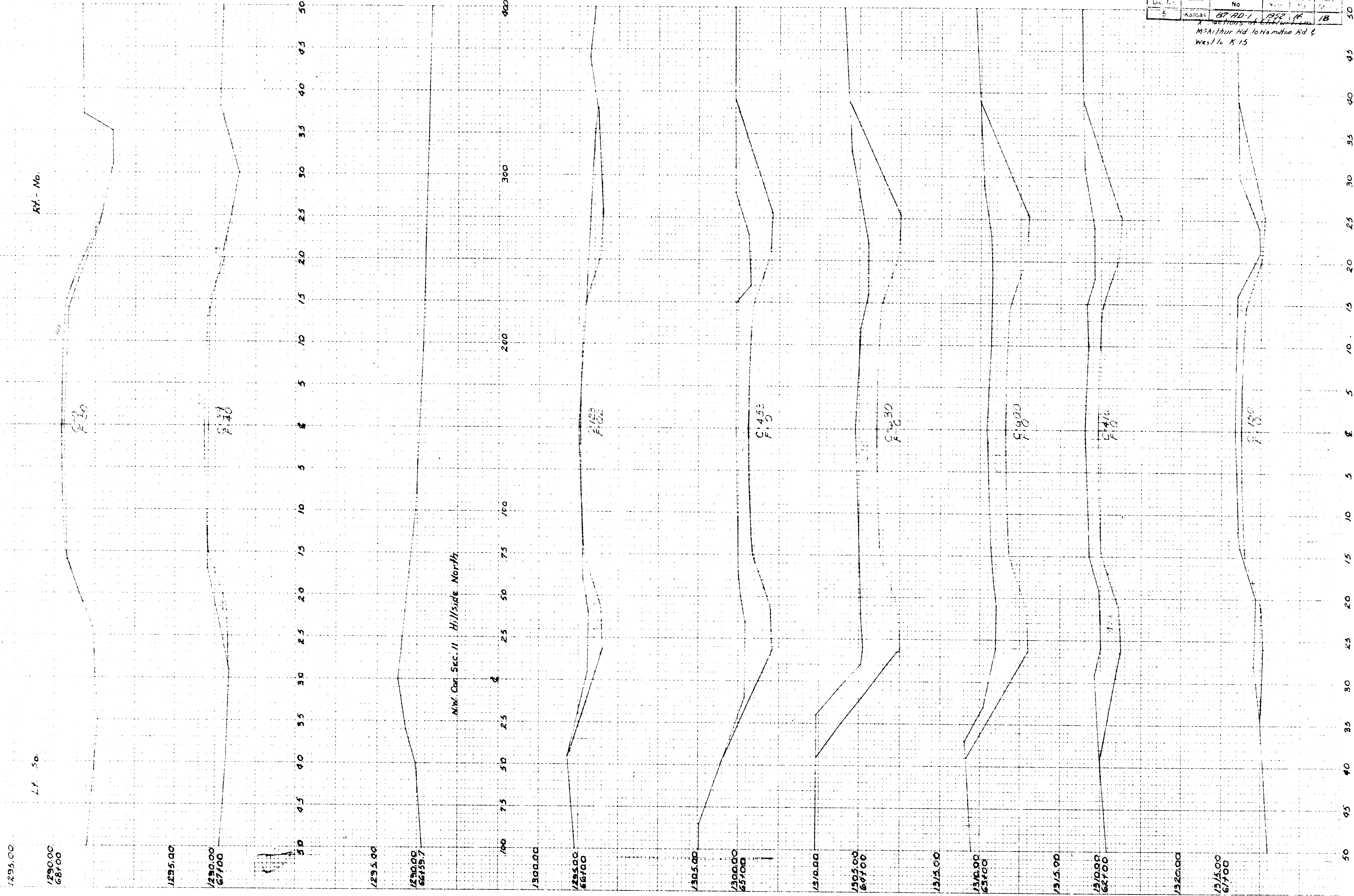
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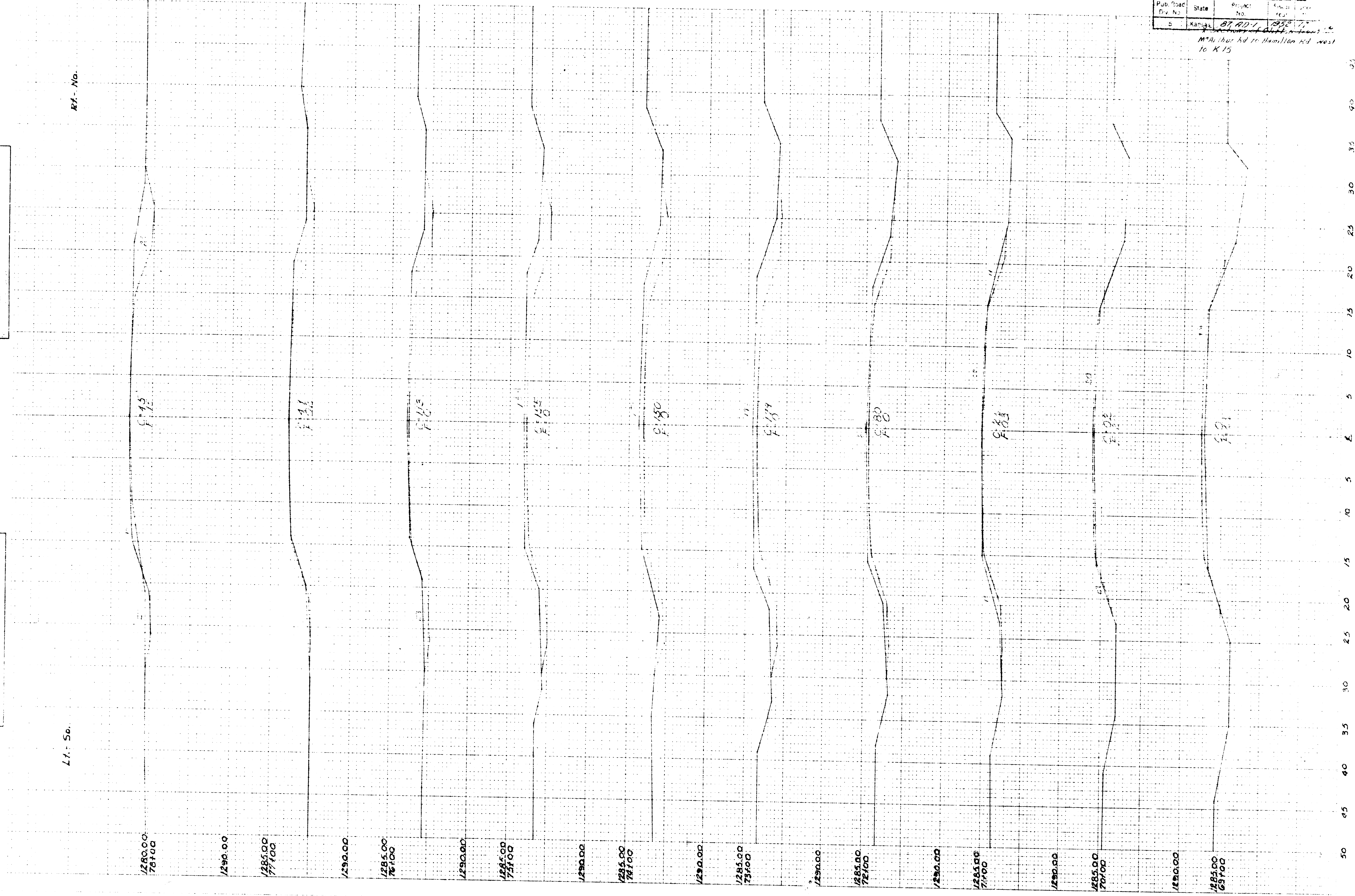
Prop. State	State	Project	Sheet	Total
5	10	10	10	10
MSA Arthur Rd to Hamilton Rd & West to R 15				

DATE

TIME

LT. 56.

RT. No.



50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50

Pub. Road Div. No.	State	Project No.	Fiscal Year	Sheet No.	51
5	Kal. 335	87 RD-1	1952 TB	1	

2 Sections of Elevation from
McArthur Rd to Hamilton Rd. West
to K-15

