

#6002

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
	OHIO		



I.C.H. NO. 219 SEC. P-1  
SENECA COUNTY

ON 2711

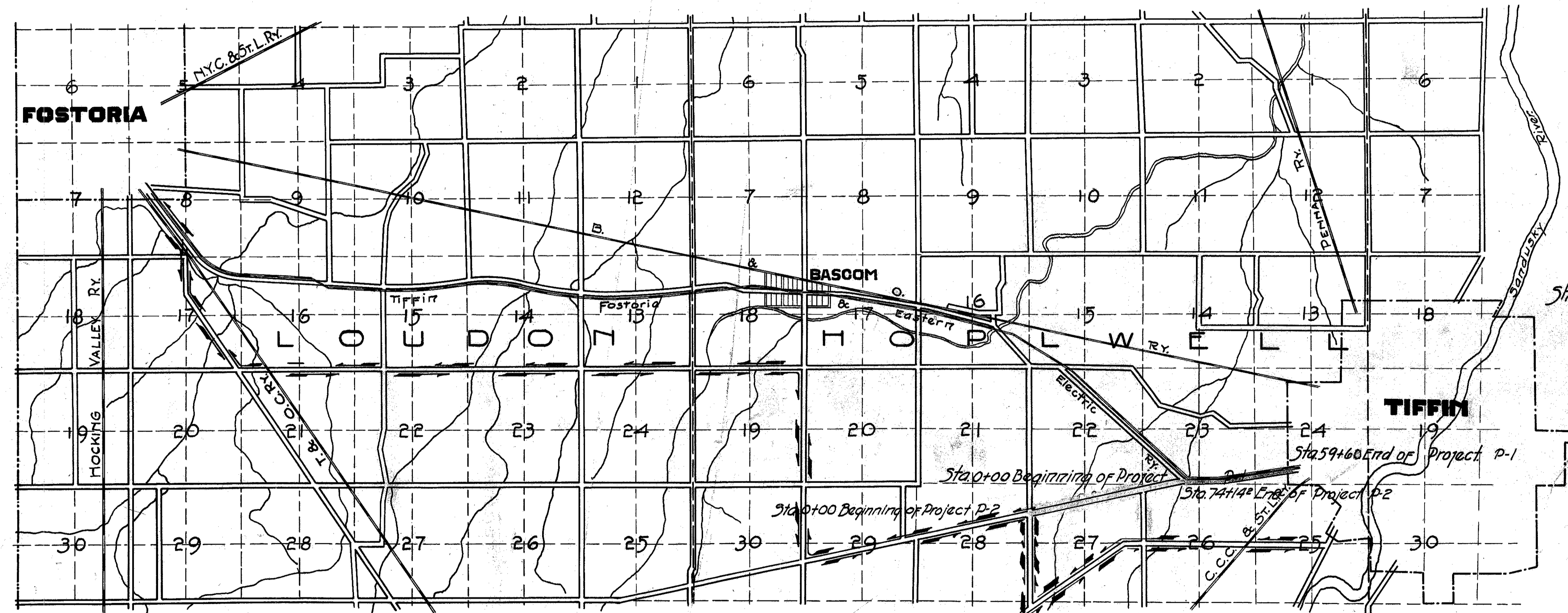
# STATE HIGHWAY DEPARTMENT OF OHIO BUREAU OF CONSTRUCTION

## SEC. P-1 FINDLAY-TIFFIN ROAD

I.C.H. NO. 219 PET. NO. 4201-4252  
**SENECA COUNTY**  
HOPEWELL TWP. APRIL, 1921

File #643

Note:-  
The Standard Specifications of the State Highway Department of Ohio in force in 1919 shall govern this improvement.



- Index to Streets
- Street No 1. Title Page
  - " 2 Typical Cross Section of improvement
  - " 3-4 Plans and Profile of improvement
  - " 5-7 Cross Sections of improvement
  - " 8-10 Bridges and Culverts
  - " 11 Summary of Quantities

- Conventional Signs
- State Line \_\_\_\_\_
  - County Line \_\_\_\_\_
  - Township Line \_\_\_\_\_
  - Section Line \_\_\_\_\_
  - Property Line \_\_\_\_\_
  - Center Line \_\_\_\_\_
  - City or Village Line \_\_\_\_\_
  - Wire Fence \_\_\_\_\_
  - Dicket Fence \_\_\_\_\_
  - Telephone or Trolley Poles TTTT
  - Steam or Electric Railroads \_\_\_\_\_
  - Trees ○○○○○
  - Hedge Fence \_\_\_\_\_

- Scales
- Plan 1 in = 100 ft.
  - Profile (vertical) 1 in = 10 ft.
  - Profile (horizontal) 1 in = 100 ft.
  - Cross Sections 1 in = 5 ft.

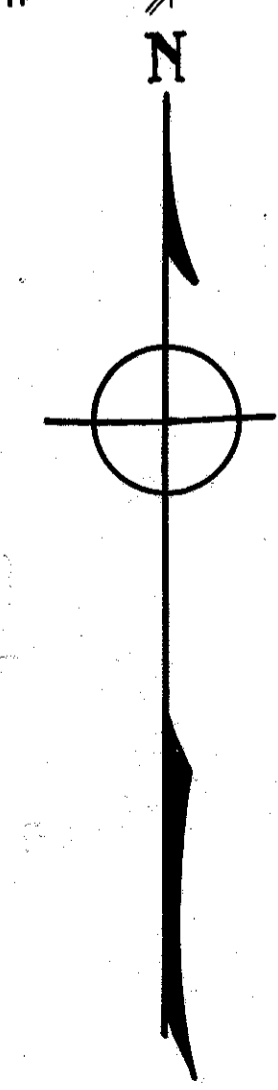
### LOCATION PLAN

SCALE 1 3/4" = 1 MILE

Portion to be improved \_\_\_\_\_ Detours \_\_\_\_\_  
Approved *H. J. Hakes*  
Date April 15 1922 County Surveyor

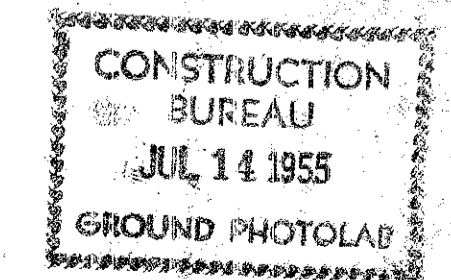
We, the Commissioners of Seneca County hereby approve these plans and certify that the right-of-way is available for the construction of the above improvement.

Signed *W. A. Jordan*  
*W. C. Ballen*  
*F. W. Dushow*  
Date April 15 1922 County Commissioners.



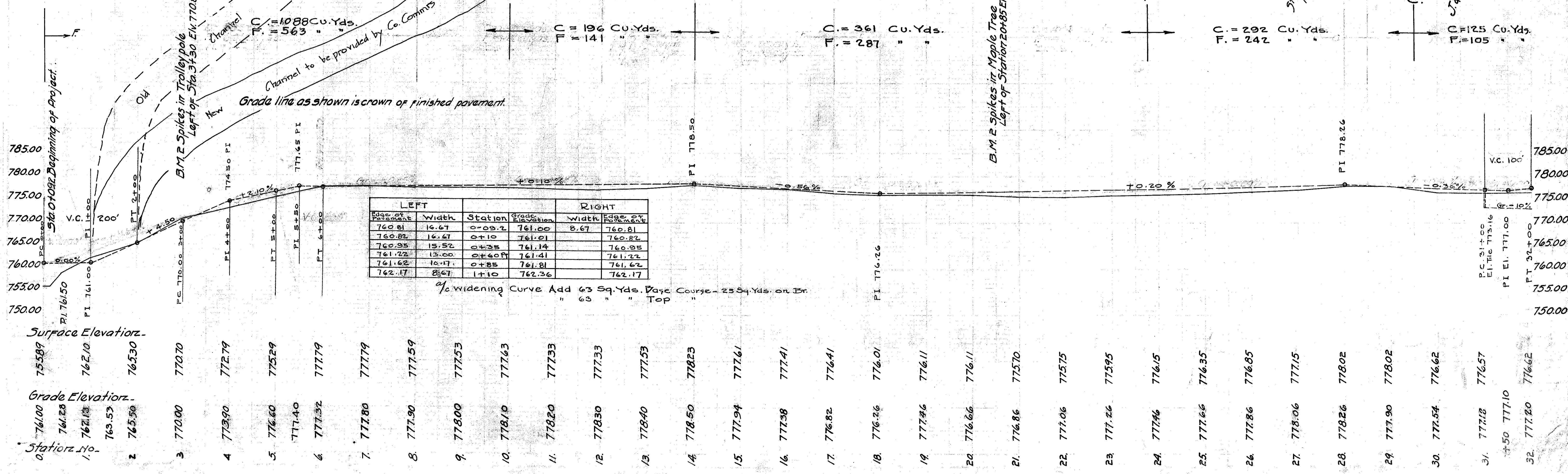
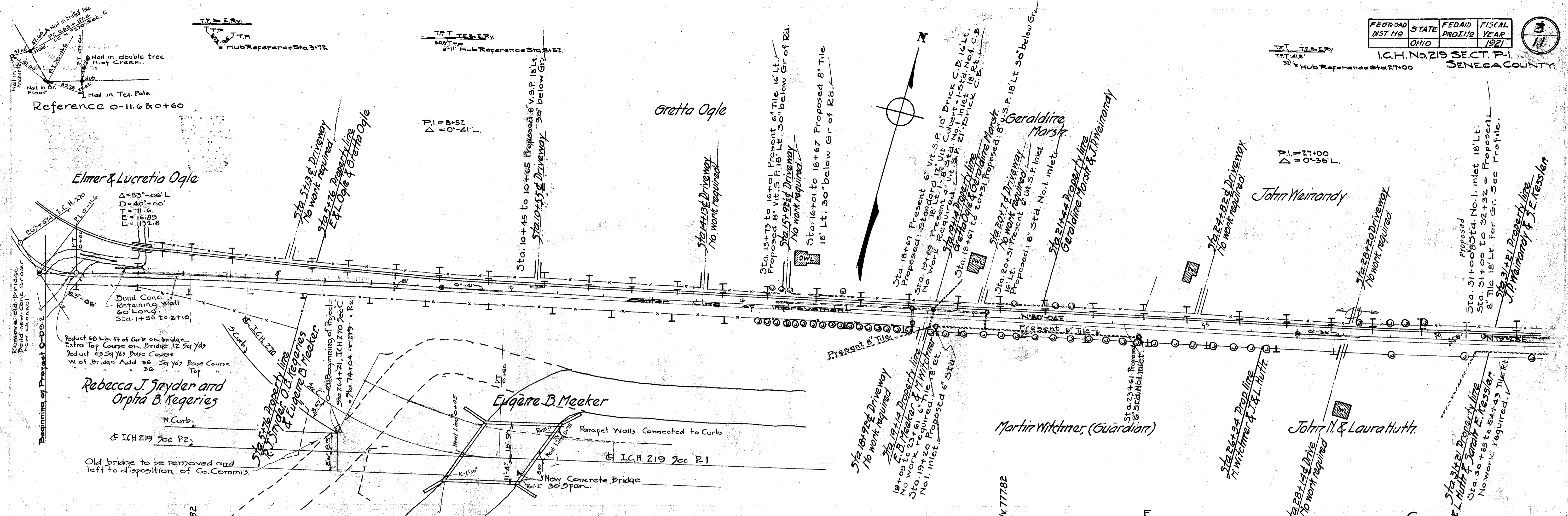
Recommended for Approval \_\_\_\_\_  
Date \_\_\_\_\_ District Engineer Bureau of Public Roads.  
Recommended for Approval \_\_\_\_\_  
Date \_\_\_\_\_ Chief Engineer Bureau of Public Roads  
Approved \_\_\_\_\_  
Date \_\_\_\_\_ Chief of Bureau  
Approved *John F. Hallen*  
Date April 15 22 Division Engineer  
Approved *E. L. Blouse*  
Date 4/28/22 Chief Highway Engineer

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and detours will be indicated by signs as shown on the plans.  
Signed *Leon C. Flick*  
Date 6/14/21 State Highway Commissioner

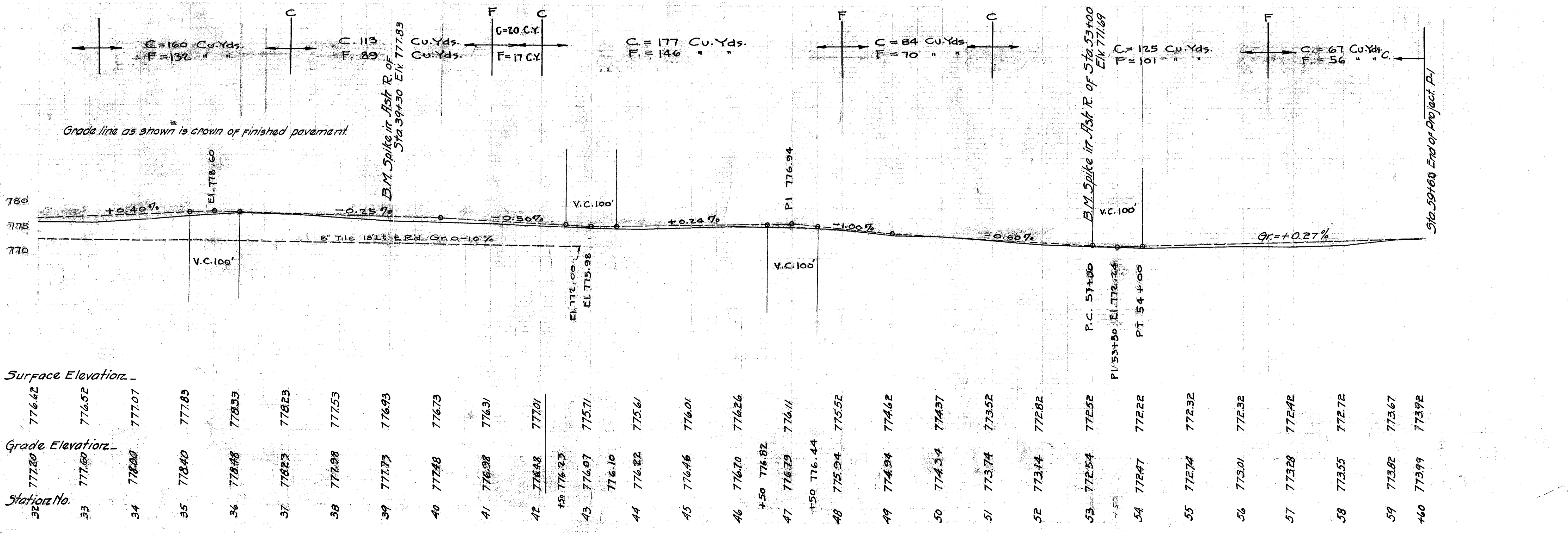
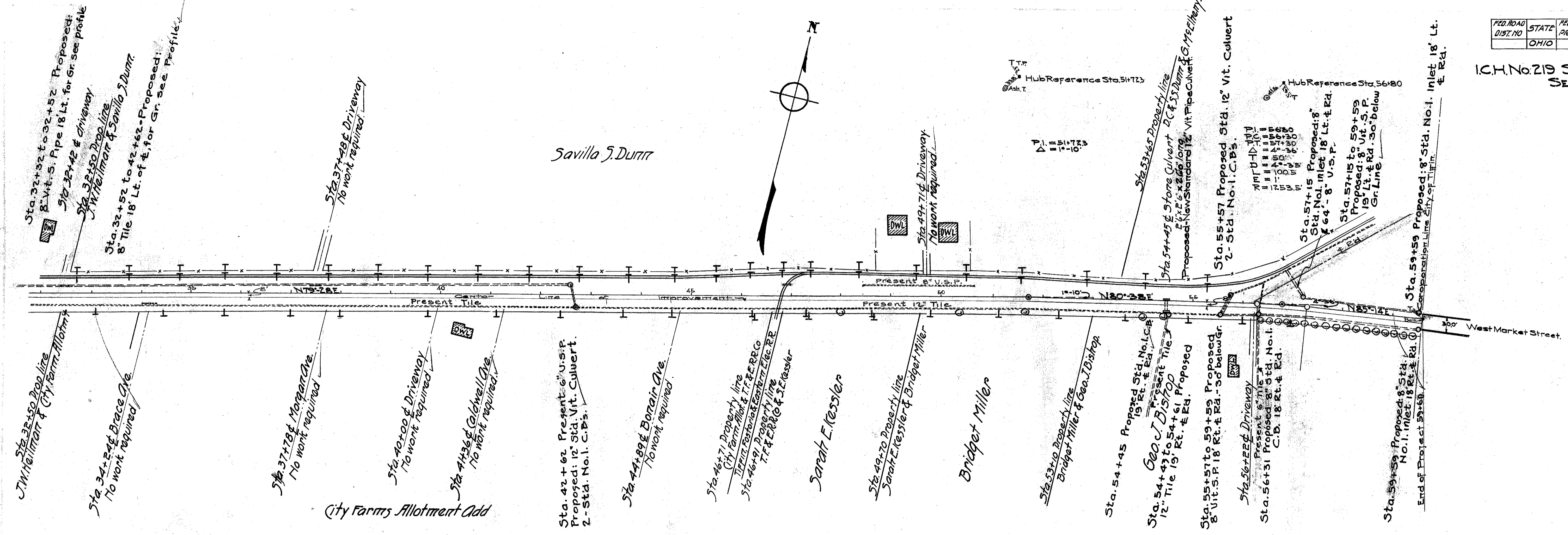




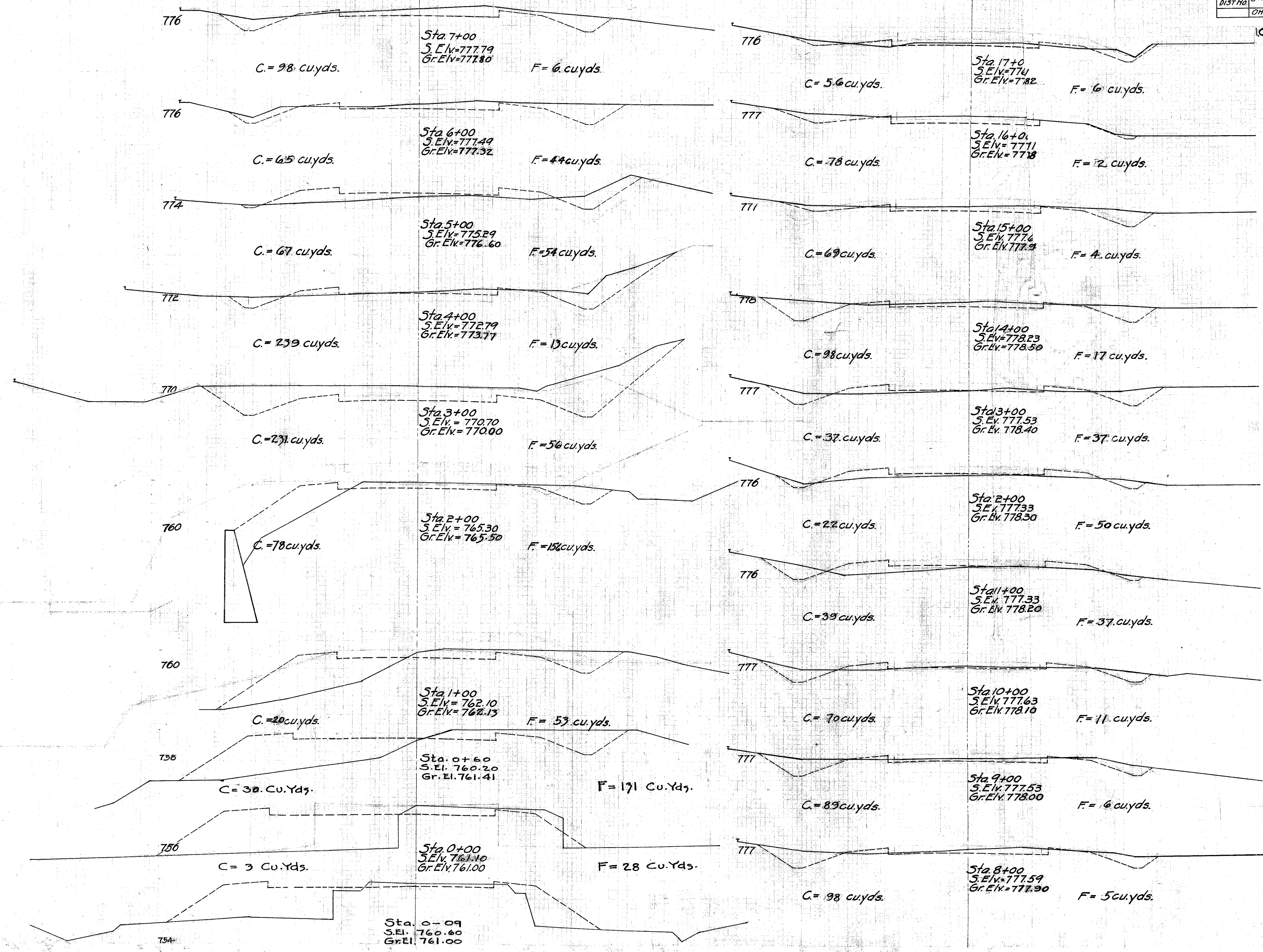




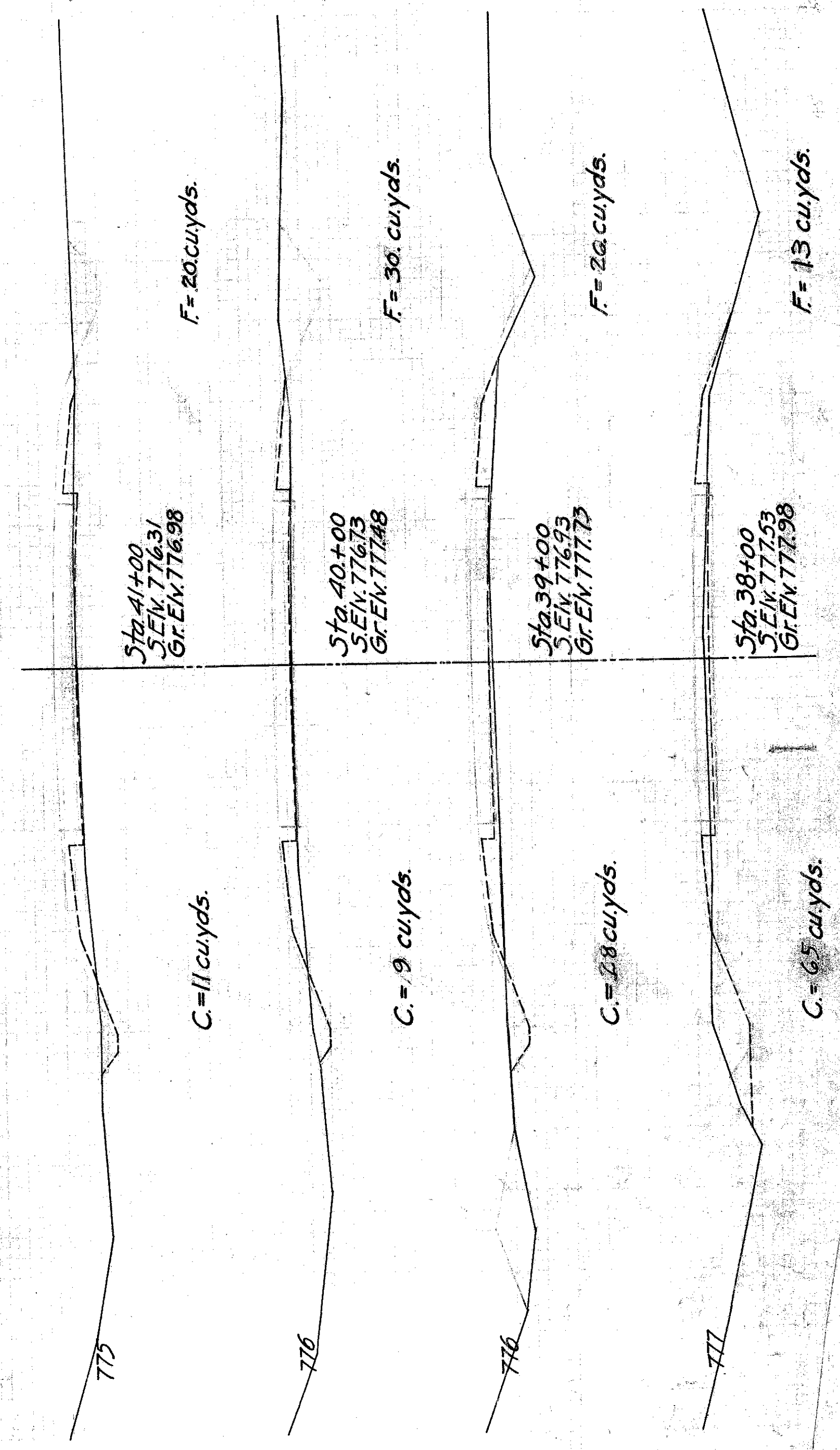
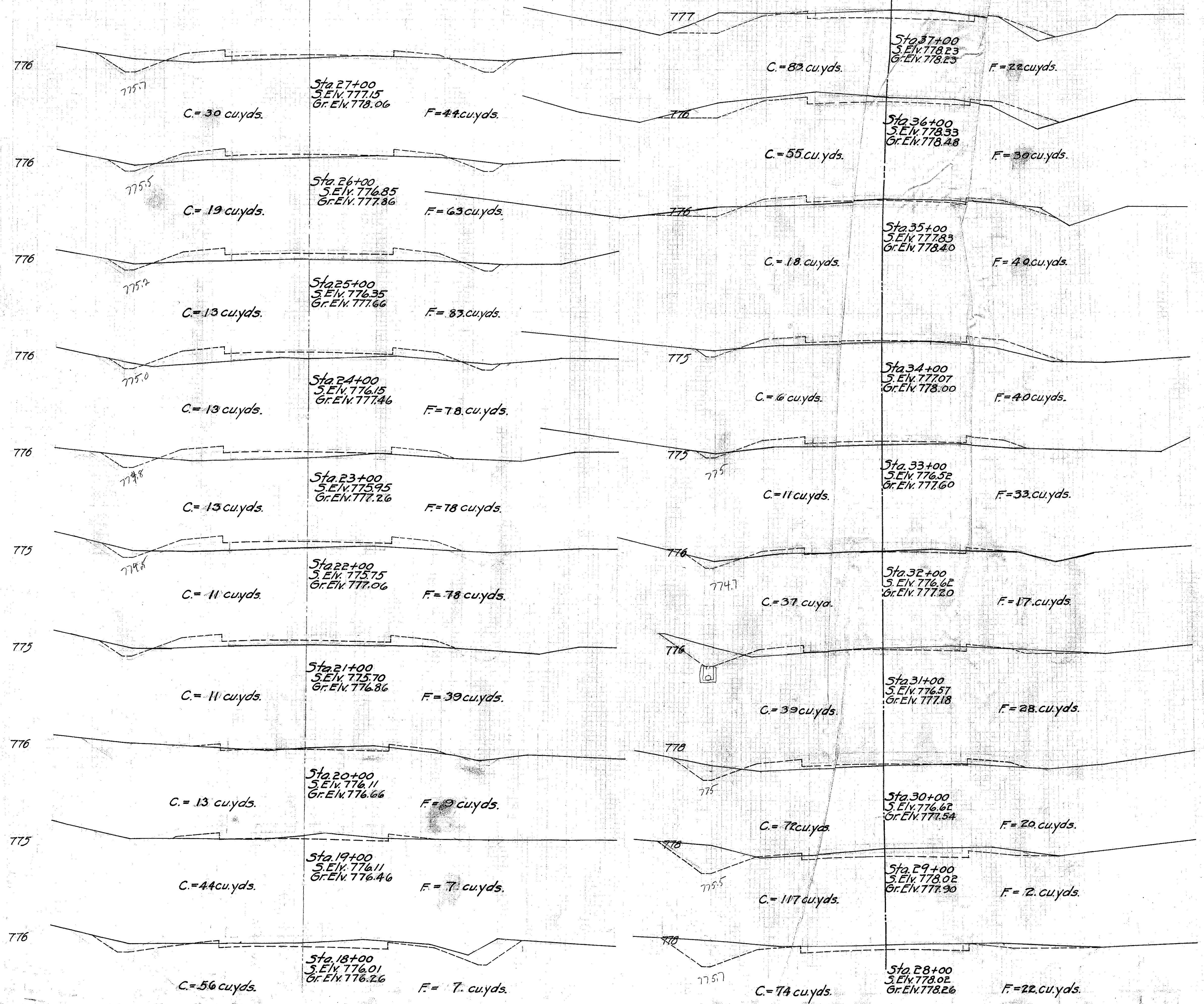








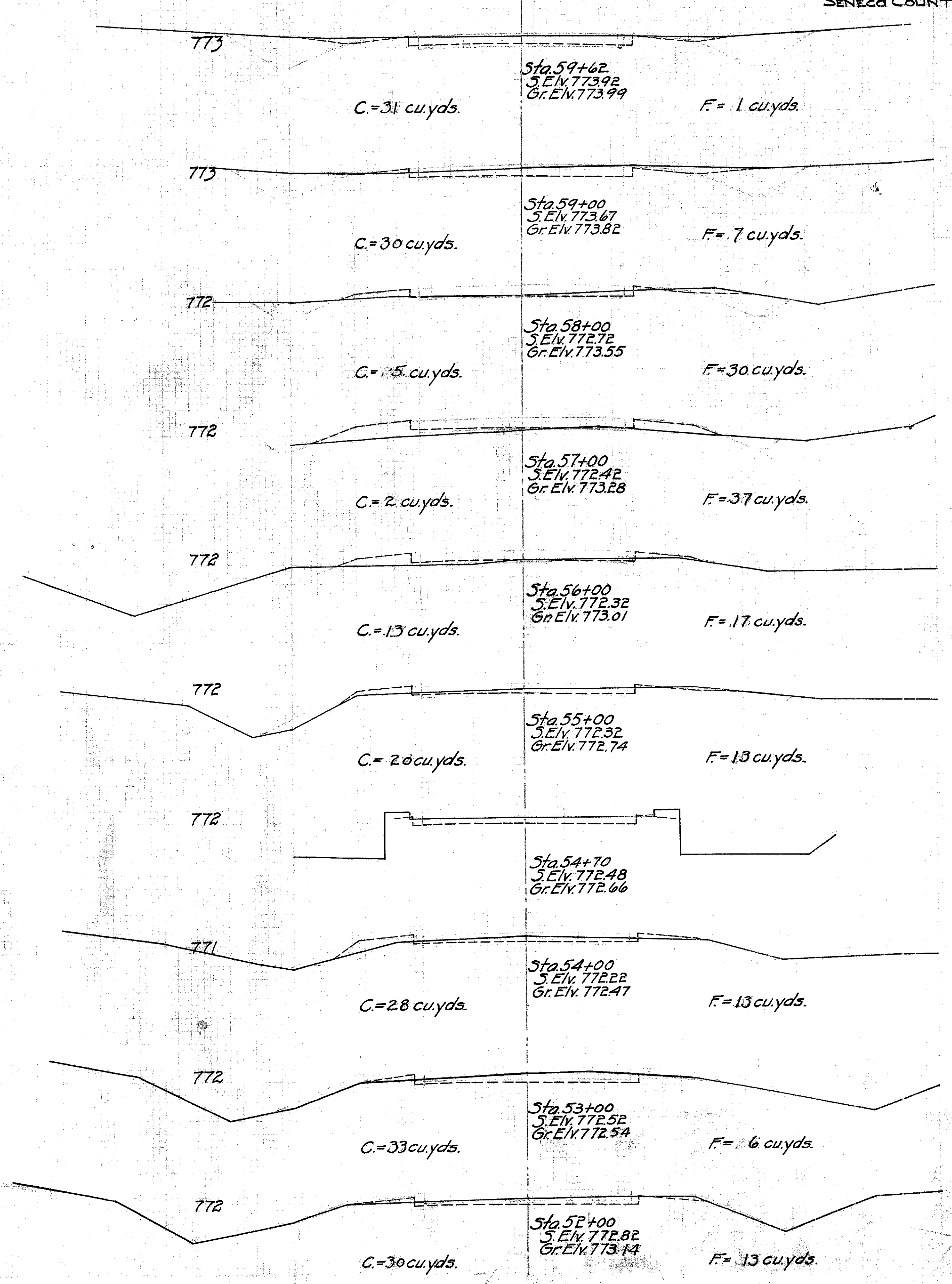
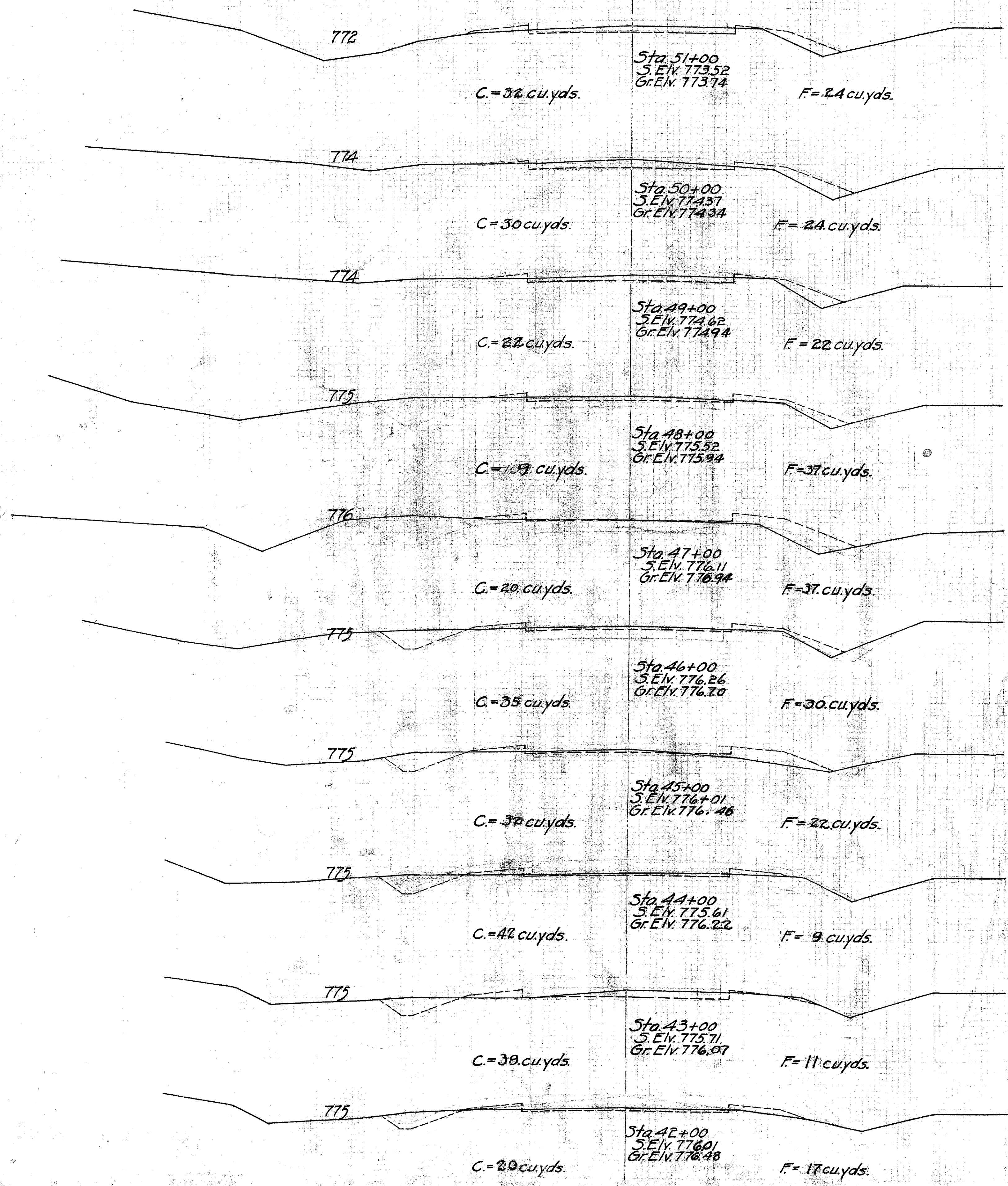






FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
	OHIO		1951

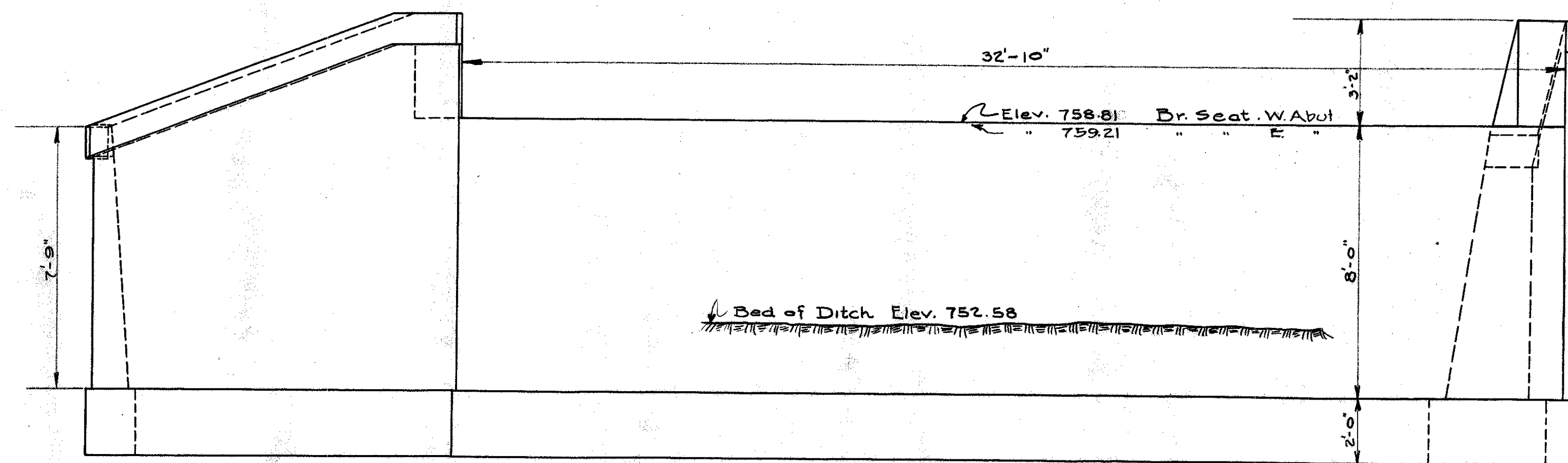
ICH. No. 219 SECT. P-1  
SENECA COUNTY.



FED RD. DIST. No.	STATE	FED AID PROJ. No.	FISCAL YEAR
	OHIO		

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I.C.H. No. 219 SECTION P-1  
SENECA COUNTY



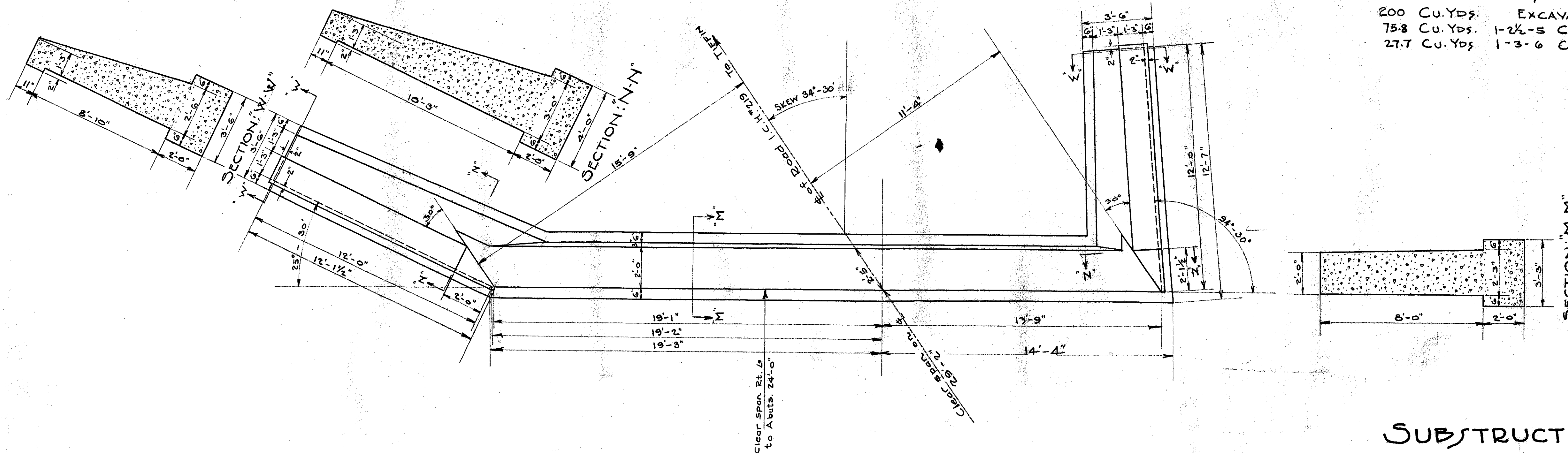
FRONT ELEVATION

NOTE:-

BUILD 2-ABUTMENTS AS PER THIS PLAN  
ALL EXPOSED EDGES CHAMFERED 1/2" X 1/2"  
CONCRETE 1-3-6 MIX IN FOOTERS - ALL OTHER CONC. 1-2 1/2-5 MIX  
NEW CREEK CHANNEL 24' WIDE DOWN TO ELEV. 752.58  
WILL BE CUT THROUGH ON SEPARATE CONTRACT. TO  
BE LET BY THE COUNTY - QUANTITY OF EXCAVATION  
FIGURED ON THAT BASIS.

ESTIMATED QUANTITIES IN 2-ABUTMENTS

200 CU. YDS. EXCAVATION.  
75.8 CU. YDS. 1-2 1/2-5 CONCRETE.  
27.7 CU. YDS. 1-3-6 CONCRETE.



SUBSTRUCTURE BRIDGE NO. 159  
STATION 0+50  
HOPEWELL TOWNSHIP





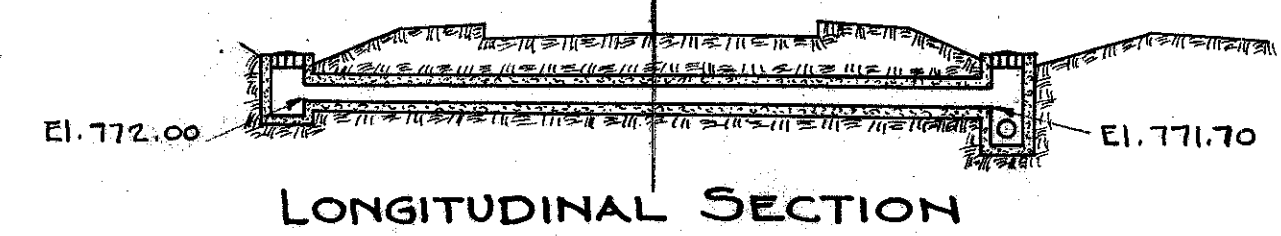
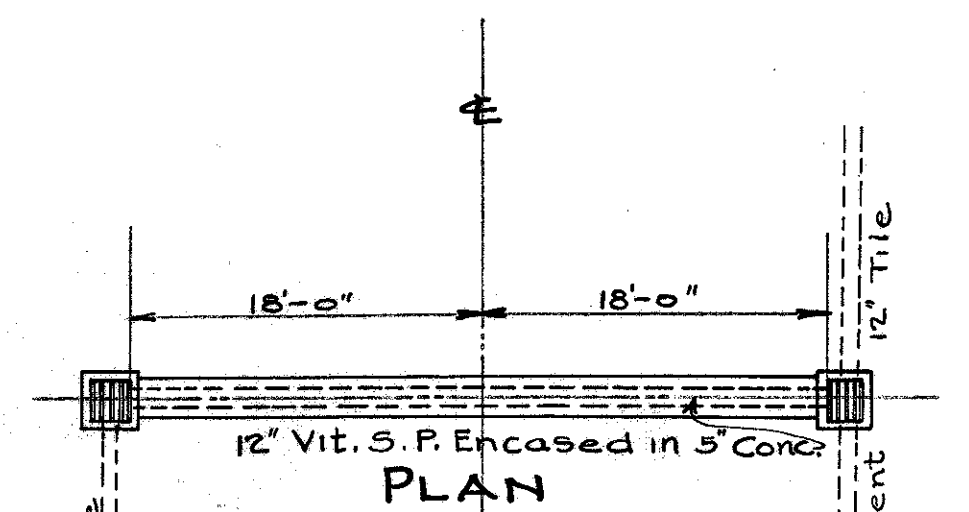


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I.C.H. NO. 219 SECTION P-1  
SENECA COUNTY

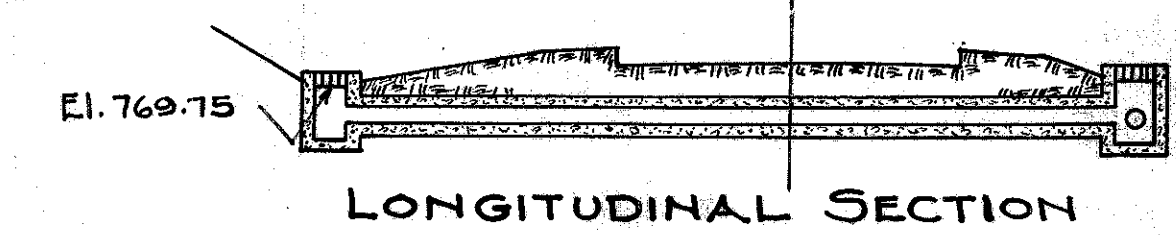
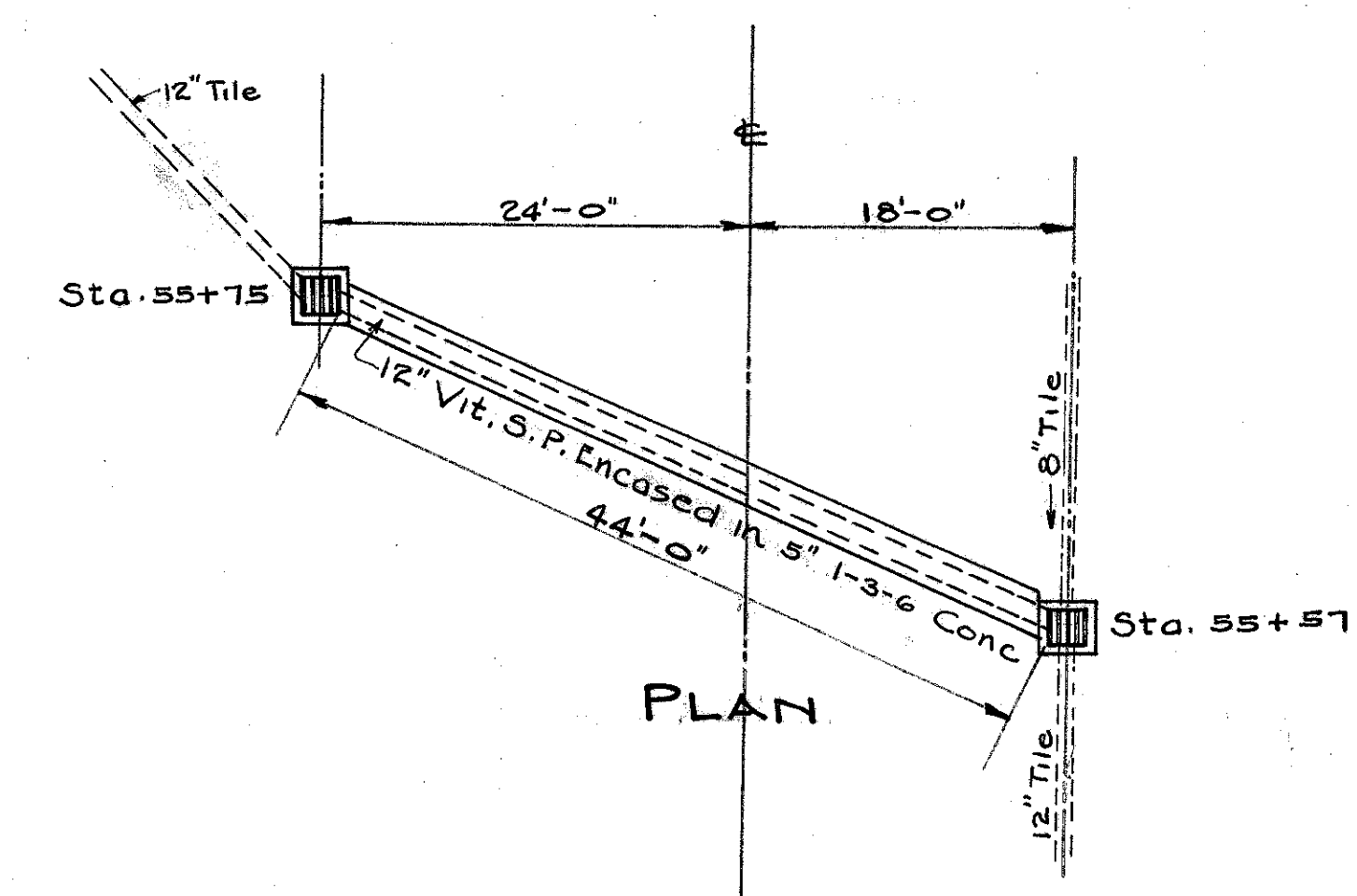
ESTIMATE QUANTITIES  
Excavation 10 Cu.Yds.  
Concrete 1-3-6 3.8 " "  
12" Vit. S. Pipe 36 Lin. Ft.  
Std. No. 1 C.B.'s. 2



12" VITRIFIED PIPE CULVERT - 2 STD. NO. 1 C.B.'s.

STA. 42+62

ESTIMATE QUANTITIES  
Excavation 15 Cu.Yds.  
Concrete 1-3-6 4.7 " "  
12" Vit. S. Pipe 44 Lin. Ft.  
Std. No. 1 C.B.'s. 2

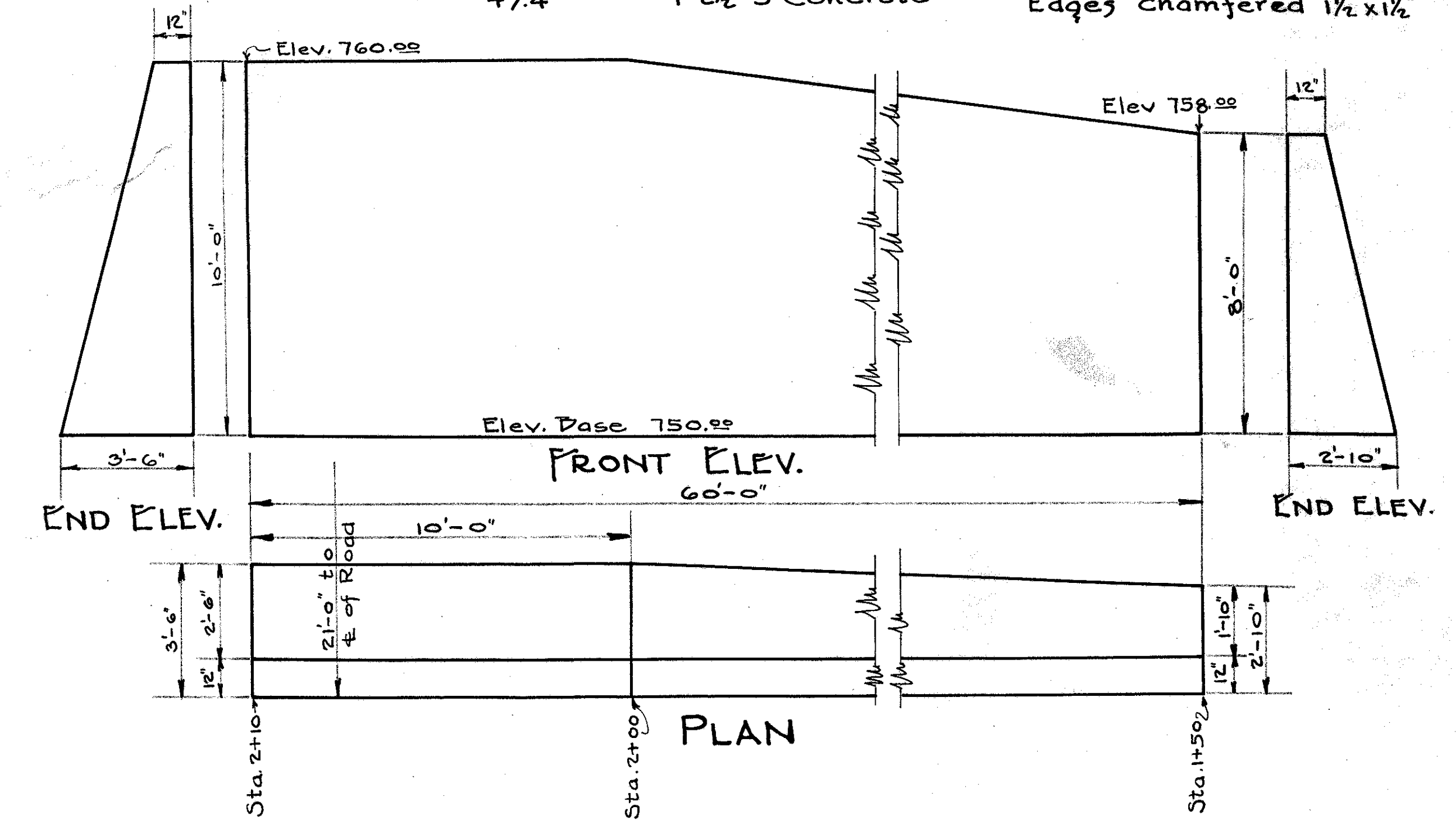


12" VITRIFIED PIPE CULVERT - 2 STD. NO. 1 C.B.'s.

STA. 55+57

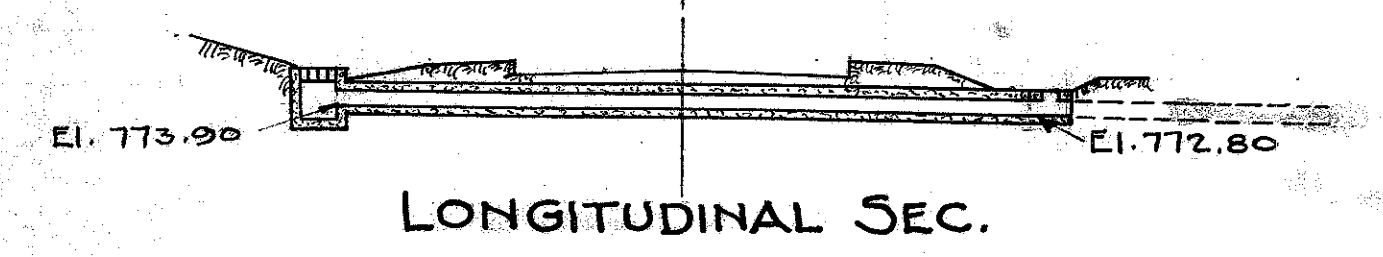
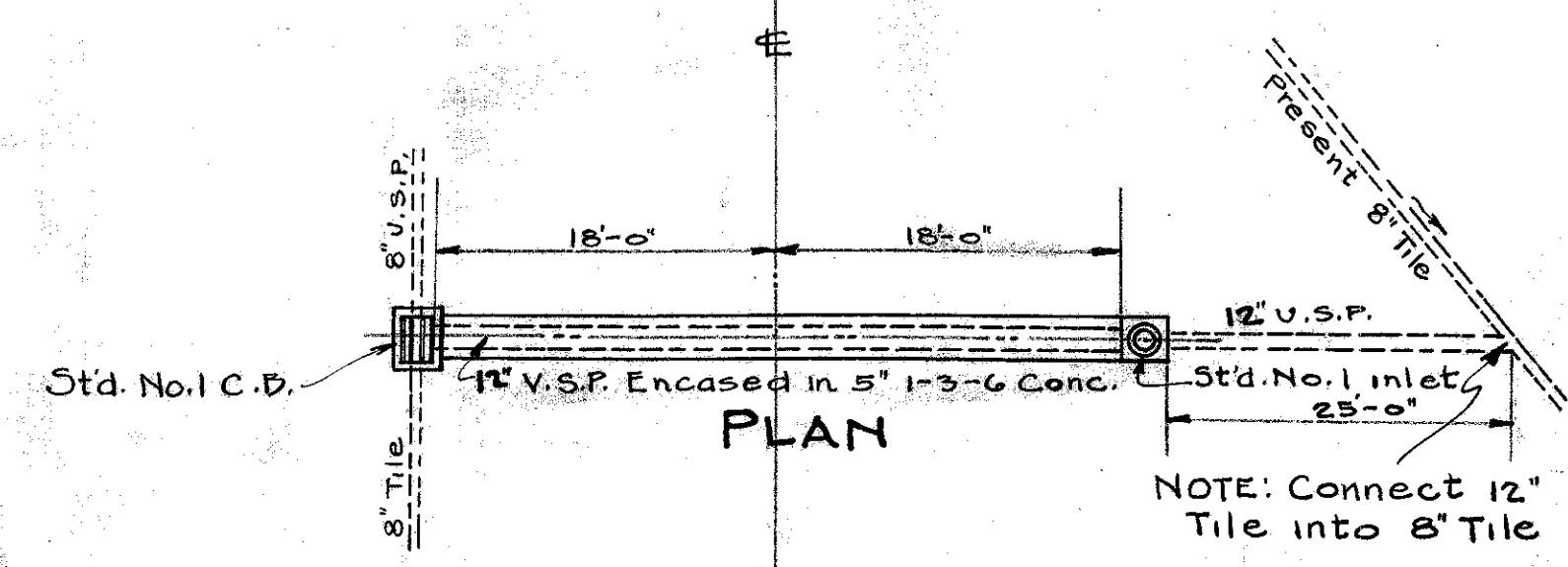
ESTIMATE QUANTITIES  
40 Cu.Yds. Excavation  
43.4 " " 1-2 1/2-5 Concrete

NOTE: Concrete 1-2 1/2-5 Mix  
Edges chamfered 1/2" x 1/2"



RETAINING WALL - NORTH SIDE OF ROAD  
STATION 1+50 TO 2+10

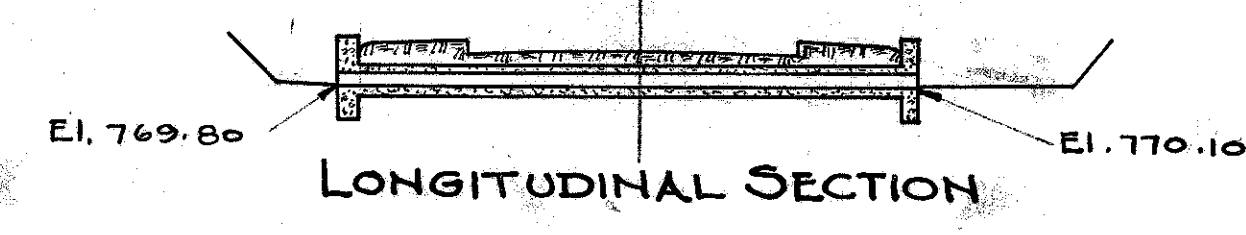
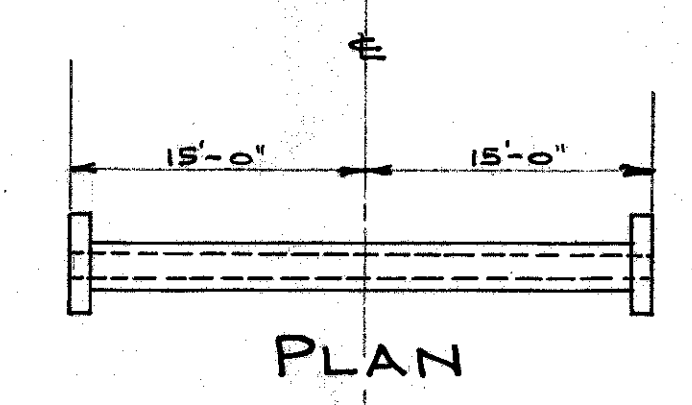
ESTIMATE QUANTITIES  
Excavation 13 Cu.Yds.  
Concrete 1-3-6 3.8 " "  
Std. No. 1 C.B. 1  
12" St. No. 1 inlet 1  
12" Vit. S. Pipe 60 Lin. Ft.  
35' Encased



12" VITRIFIED CULV - 1 STD. NO. 1 C.B. - 1 STD. NO. 1 INLET

STA. 18+67

ESTIMATE QUANTITIES  
Excavation 6 Cu.Yds.  
Concrete 1-2-4 2 " "  
Concrete 1-3-6 3 " "  
Reinf Steel 45 Lbs.  
12" Vit. S. Pipe 30 Lin. Ft.



STANDARD 12" VITRIFIED CULVERT

STA. 54+45



## SUMMARY OF QUANTITIES

STATION	TYPE	SIZE	LENGTH	EXCAVATION Cu.Yds.	CONCRETE				REINF. STEEL Lbs.	VITRIFIED PIPE			DRAIN TILE			STD. NO. C.P. No.	STD. NO. 1 INLETS		TYPE 'D' RAILING Lin.Ft.	REMARKS	
					1-2-4	1-2 1/2-5	1-3-6			8"	10"	12"	8"	10"	12"		6"	8"			
<b>STRUCTURES UNDER 20 FT.</b>																					
1+50 to 2+10	Conc. Retaining Wall	8' to 10' High	60'	40		43.4															
18+67	V.S.P. Encased	8"	70'	13			3.8				60'			1		1				For Inlet use 8" on 12" U.S.P.T"	
42+62	"	12"	36'	10			3.8				36			2							
54+45	"	12"	30'	6	2.0		3.0	45			30										
55+57	"	12"	44'	15			4.7				44			2							
<b>TOTAL OF QUANTITIES</b>				<b>84</b>	<b>2.0</b>	<b>43.4</b>	<b>15.3</b>	<b>45</b>			<b>170</b>			<b>5</b>		<b>1</b>					
<b>STRUCTURES OVER 20 FT.</b>																					
0+50	Sub. Struc.	24' R'wy.	30' span	200		75.8	27.7														
0+50	Conc. Deam	24' R'wy.	30' span		40.1			7770												66'	
<b>TOTAL OF QUANTITIES</b>				<b>200</b>	<b>40.1</b>	<b>75.8</b>	<b>27.7</b>	<b>7770</b>													<b>66'</b>
<b>STRUCTURES FOR PRIVATE DRIVES AND DRAIN TILE ETC.</b>																					
10+45 to 10+65	V.S.P. Drain	8"	20'	2					20											18' Lt. & Rd. 30" below Gr. Line	
15+73 " 16+01	" "	8"	28'	2					28											18' Lt. & Rd. " " " "	
16+01 " 18+67	Tile "	8"	266'	25							266									18' Lt. & Rd. " " " "	
18+67 " 20+31	V.S.P. "	8"	164'	16					164											18' Lt. & Rd. " " " "	
19+20	Std. No. 1 met	6"													1					18' Rt. & Rd.	
20+31	" " "	8"														1				18' Lt. & Rd.	
31+00	" " "	8"															1			18' Lt. & Rd.	
31+00 to 32+32	Tile Drain	8"	132'	12							132									18' Lt. & Rd. for Gr. See Profile	
32+32 " 32+52	V.S.P. "	8"	20'	2					20											18' " " " " " " " "	
32+52 " 42+62	Tile "	8"	1010'	100							1010									18' " " " " " " " "	
54+45	Std. No. 1 C.B.	2' x 2'		1										1						19' Rt. & Rd.	
54+43 to 54+61	Tile Drain	12"	18'	2								18								19' " " "	
55+57 " 59+59	V.S.P. Drain	8"	402'	40					402											18' " " " 30" below Gr. Line	
56+31	Std. No. 1 C.B.	2' x 2'												1						18' " " "	
57+15	V.S.P. Drain	8"	64'	6					64											Crosses intersecting road & connects with 12" U.S.P.	
57+15	Std. No. 1 inlet	8"														1				19' Lt. & Rd.	
57+15 to 59+59	V.S.P. Drain	8"	244'	25					244											19' Lt. & Rd. 30" below Gr. Line	
59+59	Std. No. 1 inlet	8"														2				18' Rt. and 18' Lt. & Rd.	
23+61	" " "	6"														1				18' Rt. & Rd.	
<b>TOTAL OF QUANTITIES</b>				<b>233</b>					<b>942</b>			<b>1408</b>	<b>18</b>	<b>2</b>	<b>2</b>	<b>5</b>					

### SUMMARY-ROADWAY & PAVEMENT

Type	Excavation	Perms, Slopes & Ditches	Concrete Base	Reinf. Concrete Pavement	Plain Concrete Pavement	1st Course W.P. Macadam	2nd Course W.P. Macadam	Bituminous Concrete	Bituminous Concrete	2' x 8" Concrete Curb
	Cu.Yds.	Lin.Ft.	7" thick 1-2 1/2-3 mix Sq.Yds.	8" thick 1-1 1/2-3 mix Sq.Yds.	4" thick 1-1 1/2-3 mix Sq.Yds.	5" thick Sq.Yds.	4" thick Sq.Yds.	2" thick Sec. 5-2 A-2(a) Sq.Yds.	2" thick Sec. 5-2 A-2(b) Sq.Yds.	1-1 1/2-3 mix Lin.Ft.
A	2808	5969	11508					10723		11870
B	2808	5969	11508						10723	11870
C	2705	5969		11508	91					
D	3013	5969				11508	11508	11599		