

SEEDING
END WIDTH SQ. YDS.

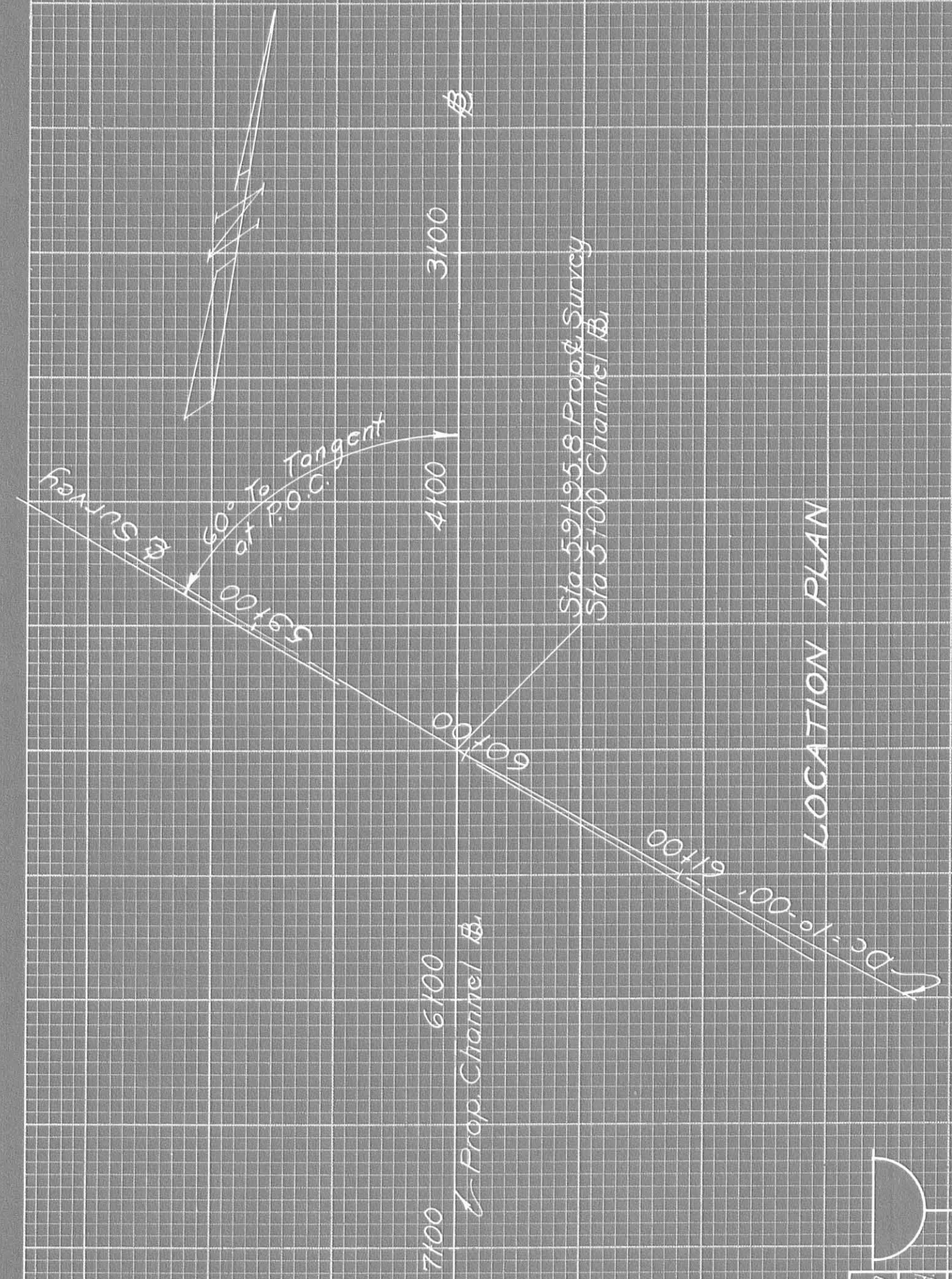
FED. RD. DIVISION STATE PROJECT
2 OHIO
28
36

LOGAN COUNTY
LOG - 720 - (0.99)(4.23)

Sta.	L.F. %	Seeding L.F. %	End Area Volume	
			Cut	Fill
610	0	0	0	0
600	1	0	1	0
590	3	0	7	0
580	12	0	31	0
570	41	0	86	0
560	66	0	26	2
550	91	11	91	11
540	99	2	57	2
530	114	1	14	1
520	51	1	51	1
510	161	1	161	1
500	201	1	201	1
490	161	2	161	2
480	85	2	85	2

E-3 Channel Excavation 681 Cu.Yds.
Embankment 16 Cu.Yds.
Embankment +20% 19 Cu.Yds.

L-9 Seeding 501..... Sq.Yds.



LOCATION PLAN

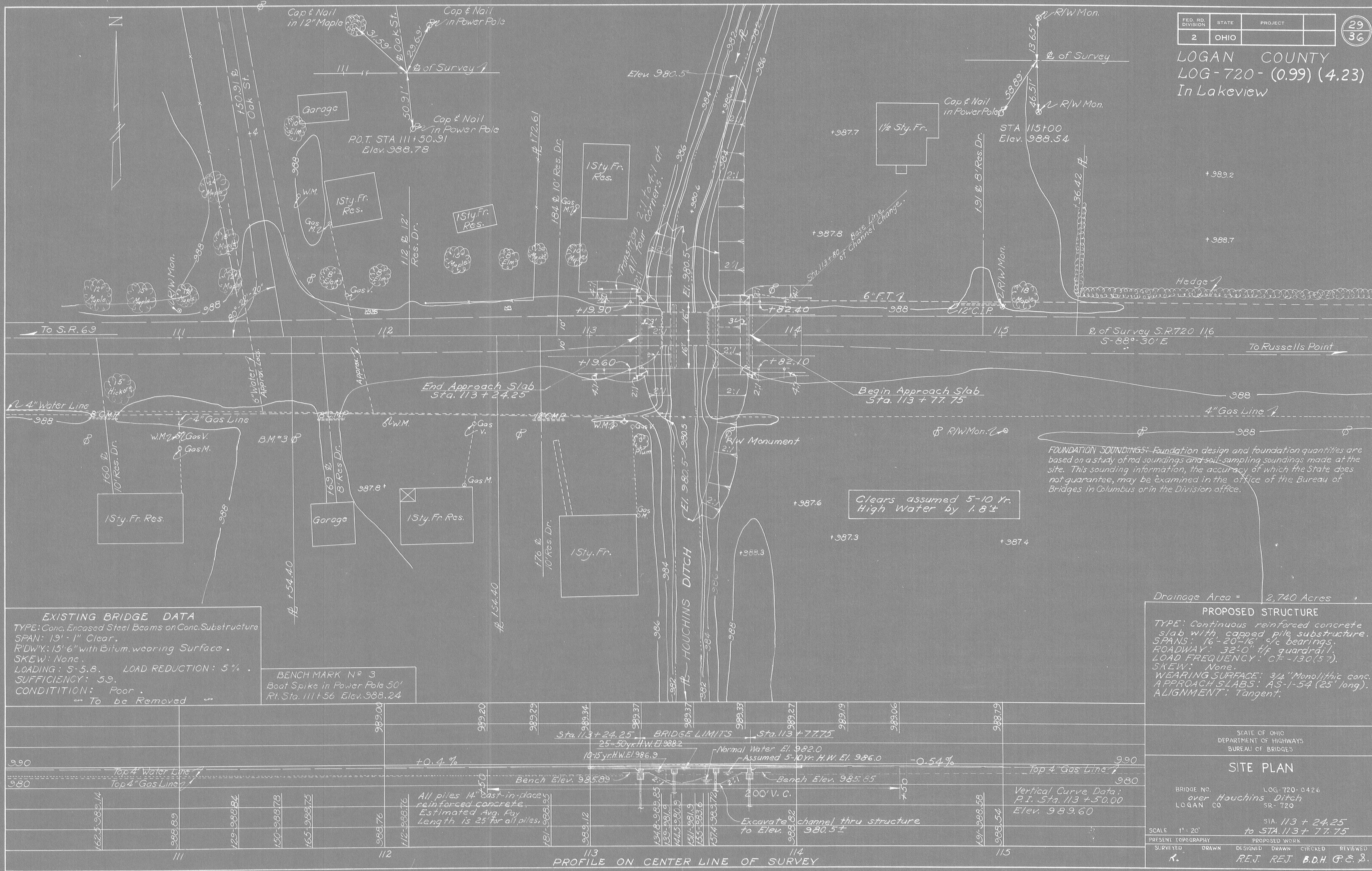
Seeding L.F. %	End Area Volume
0	0
1	1
3	7
12	31
41	86
66	26
91	91
99	57
114	14
51	51
161	161
201	201
161	161
85	85

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0	0	0
1	0	1	0
7	0	7	0
31	0	31	0
86	0	86	0
26	2	26	2
91	11	91	11
57	2	57	2
14	1	14	1
51	1	51	1
161	1	161	1
201	1	201	1
161	2	161	2
85	2	85	2

CHANNEL SECTIONS BR. N° LOG - 720 - 0114 STA 5139 TO STA 6110 (SHEET 2 of 2)

PRINTED IN U. S. A. ON MILITARY GRADE CLOTH

LOGAN COUNTY
LOG-720 - (0.99) (4.23)
In Lakeview



Drainage Area = 2,740 Acres

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN

BRIDGE NO. LOG-720-0426
over Hauchins Ditch
LOGAN CO. SR-720

Vertical Curve Data:
P.I. Sta. 113+50.00
Elev. 989.60

SCALE 1" = 20'

PRESENT TOPOGRAPHY PROPOSED WORK

SURVEYED DRAWN DESIGNED DRAWN CHECKED REVIEWED

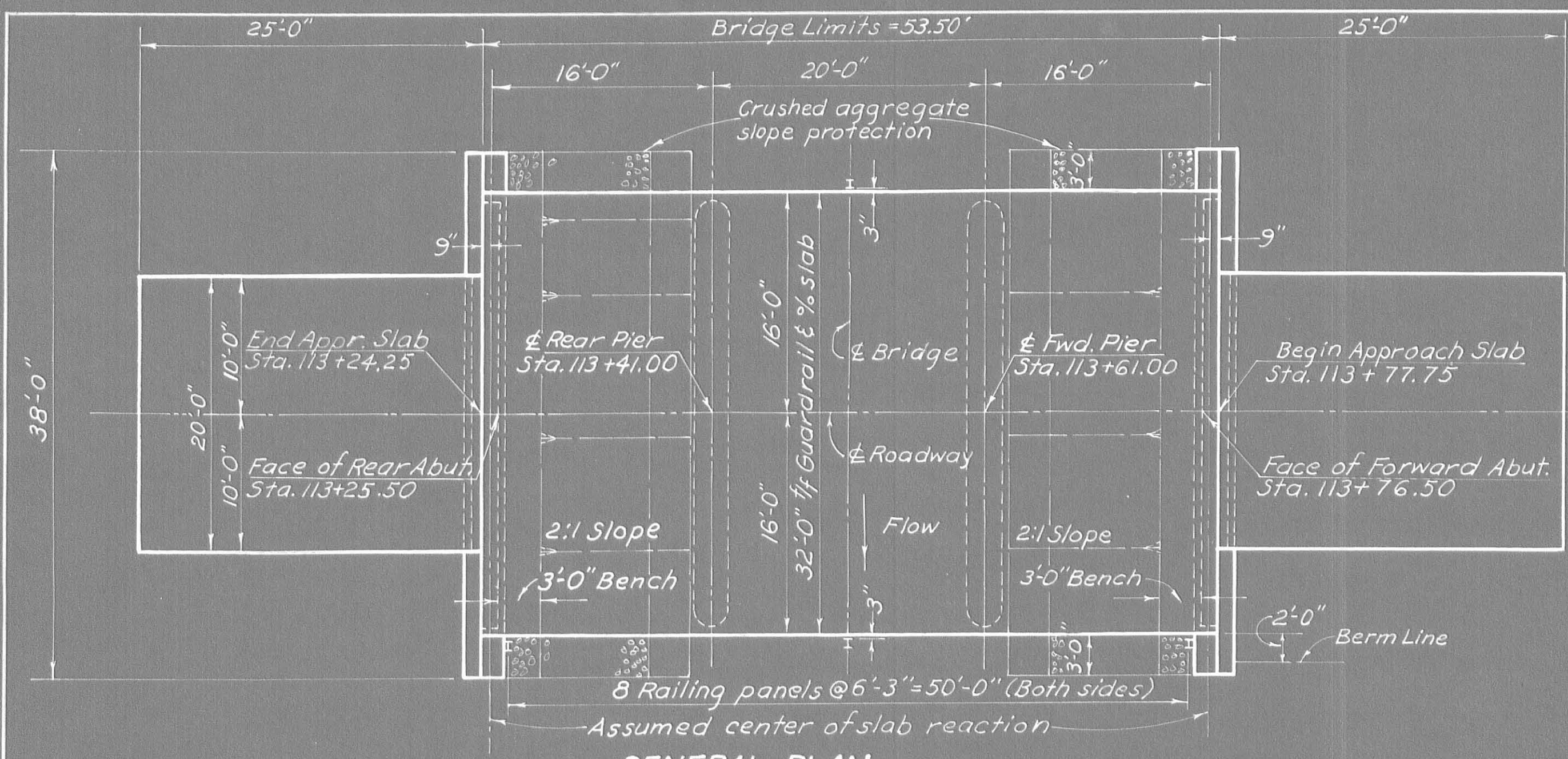
R. REJ. REJ. B.D.H. P.E. S.

STA. 113 + 24.25
to STA. 113 + 77.75

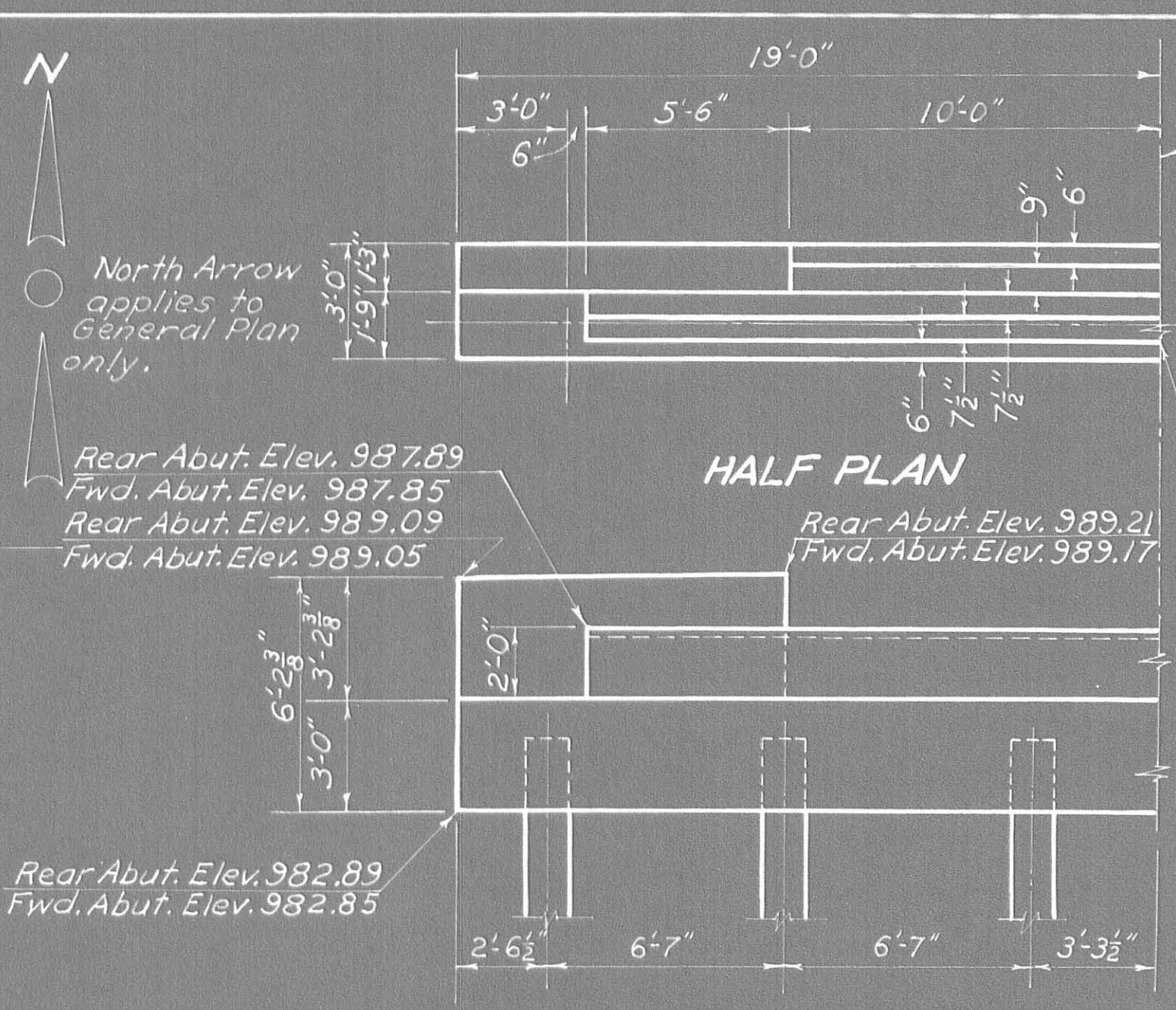
BFG 6-21-62

LOGAN COUNTY
LOG-720-(0.99)(4.23)

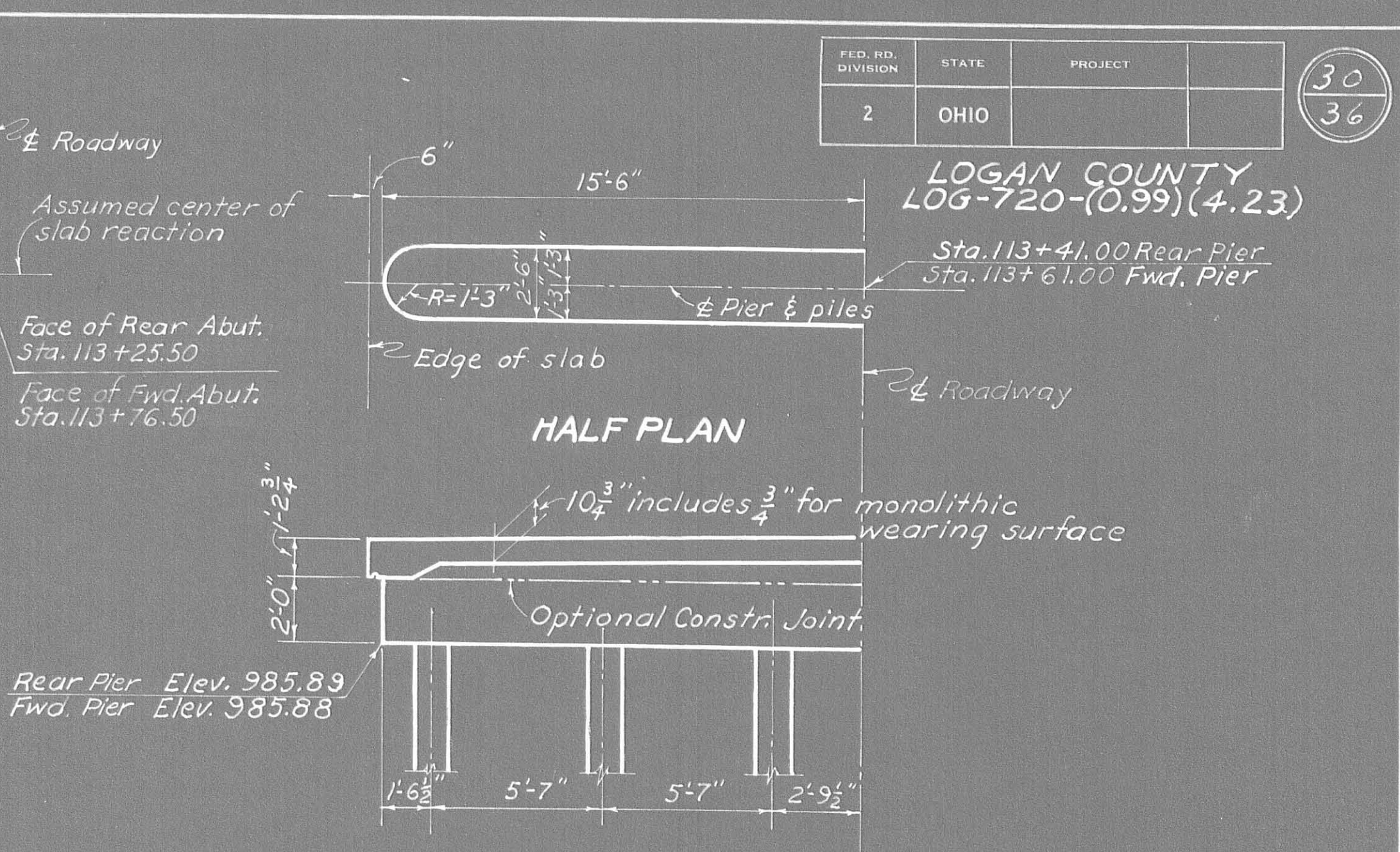
Sta. 113+41.00 Rear Pier
Sta. 113+61.00 Fwd. Pier



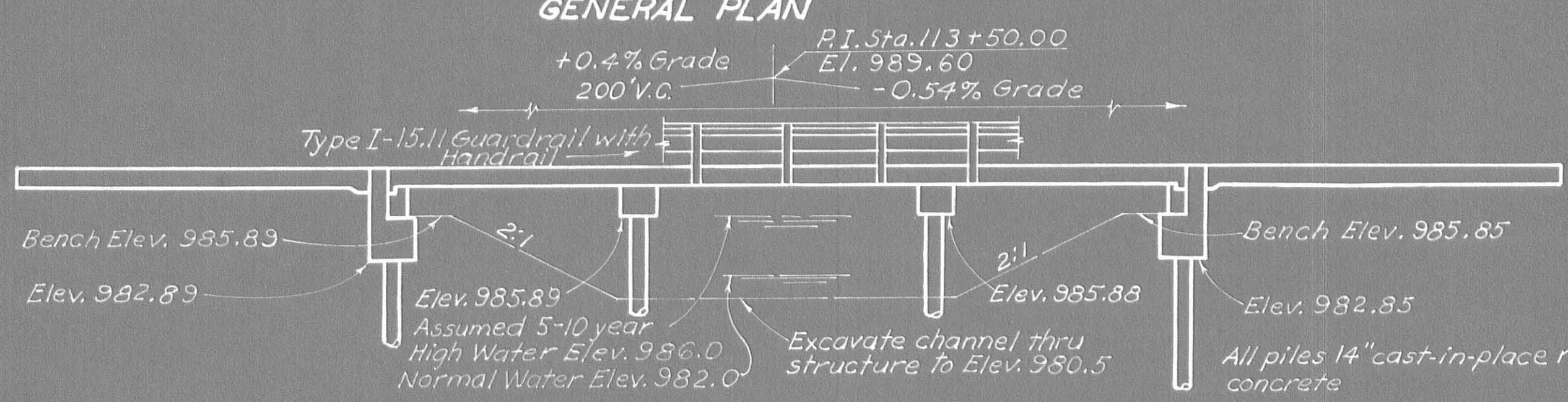
GENERAL PLAN



HALF ELEVATION
ABUTMENT DETAILS



HALF ELEVATION
PIER DETAILS



ELEVATION

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CS-1-54, A-1-54 and P-1-54, revised 7-16-56, 12-1-54 and 2-2-59 respectively.

EXISTING STRUCTURE: When no longer needed to maintain traffic the existing structure shall be removed.

PILES shall be driven to a minimum bearing capacity of 20 tons per pile for the abutments and 21 tons per pile for the piers.

PIER PILE ENCASEMENT as shown on Std. Dwg. No. P-1-54 may be omitted provided that the tapered portion, if any, of all pier piles does not extend above the stream bed or the proposed surface of the ground. If the tapered portion of any pile extends above these limitations, the encasement will be required for all the pier piles. If the encasement is omitted the pile casings shall have a thickness of metal not less than No. 7 gauge, and the painting of the piles shall extend to low water elevation or, if the proposed surface of the ground is above low water, the painting shall extend to at least one foot below the proposed surface of the ground.

REINFORCING STEEL clearance from top surface of concrete deck slab shall be $1\frac{3}{4}$ "

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp.	Bending Diagrams					Mark	No.	Length	Weight	Shp.
Superstructure					Piers					Replacement Bars				
F820	52	14'-0"	1944	S	B720	14'-5" 0%	2'-2" 0%	P502	P701	72	4'-0"	589	S	
G820	24	8'-6"	545	S	C720	12'-10" 0%		P501	P501	4	28'-6"	119	S	
H820	26	7'-6"	521	S				P502	P502	4.8	9'-0"	451	B	
A720	90	19'-3"	3541	S				P503	P503	8	6'-4"	53	B	
B720	30	15'-3"	935	B				P401	P401	48	5'-5"	174	B	
C720	28	13'-8"	782	B										
D720	15	15'-6"	475	S										
E720	14	11'-0"	315	S										
J601	26	11'-5"	446	S										
K601	13	10'-0"	195	S										
M601	52	31'-5"	2454	S										
N601	41	31'-5"	1935	S										
Abutments														
R1001	16	16'-11"	1165	S										
R801	16	20'-1"	858	S										
R501	16	19'-7"	327	S										
R502	116	6'-7"	797	B										
R503	8	16'-1"	134	S										
R504	24	5'-4"	134	S										
R505	28	7'-11"	231	B										
R506	8	8'-8"	72	S										
R507	16	4'-11"	82	S										
R508	16	6'-8"	111	B										
R509	16	8'-5"	140	B										
R401	48	5'-5"	174	B										

BAR SIZE is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four are used, indicate the bar size number. For example, A720 is a No.7 size bar and R1001 is a No.10 size.

REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Testing Laboratory, test samples as provided in Sec. 5-4.02 need not be furnished and replacement bars will not be required.

*See Proposal Note.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Super.	Abut.	Piers	Gen'l.
E-2	76	Cu.yds.	Unclassified excavation		76		
E-3	517	Cu.yds.	Channel excavation				517
S-1	74	Cu.yds.	Class "C" concrete, superstructure & pier caps	62		12	
S-1	37	Cu.yds.	Class "E" concrete, abutments		37		
S-4	21558	Lbs.	Reinforcing steel	14088	4225	3245	
S-14	107.00	Lin.ft.	Railing (Type I-15.11 with handrail and galvanized steel posts and bolts)	107.00			
S-16	Lump	Sum	First test pile				
S-18	600	Lin.ft.	14" cast-in-place, reinforced concrete piles		300	300	
S-24	Lump	Sum	Removal of existing structure				Lump
S-29	14	Cu.yds.	Porous backfill		14		
I-10	94	Sq.yds.	Crushed aggregate slope protection				94
*Special	74	Each	Water-reducing, set-retarding admixture	62		12	

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

**GENERAL PLAN & ELEVATION,
ESTIMATED QUANTITIES, NOTES
& STEEL LIST, PIER & ABUTMENT DETAILS**

BRIDGE NO. LOG-720-0426
OVER HOUGHINS DITCH

STA. 113+24.25
113+77.75

LOGAN COUNTY

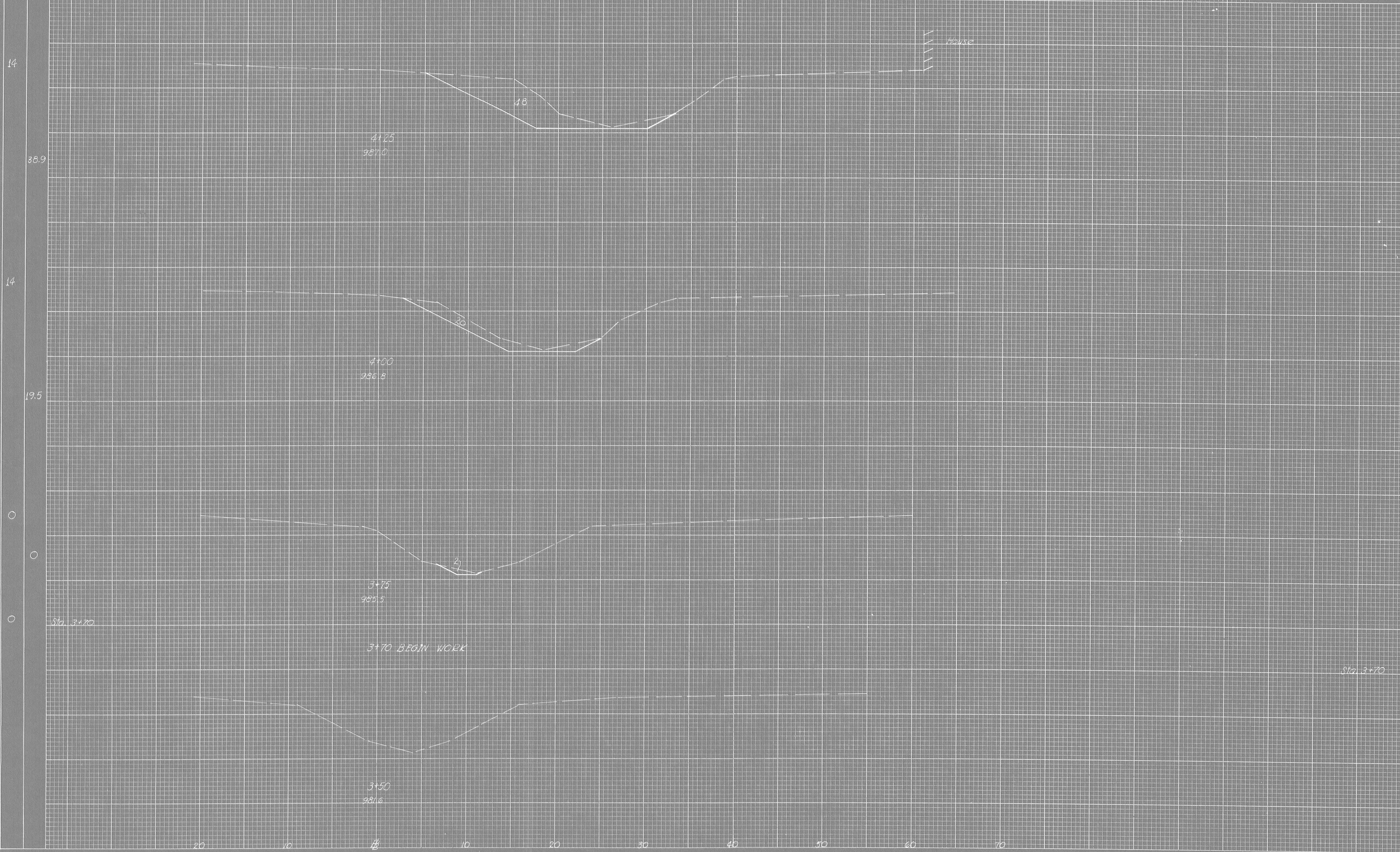
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
KLH	KLH	ND	CPD	BFG	6-21-62	

SEEDING
END WIDTH SQ. YDS.

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

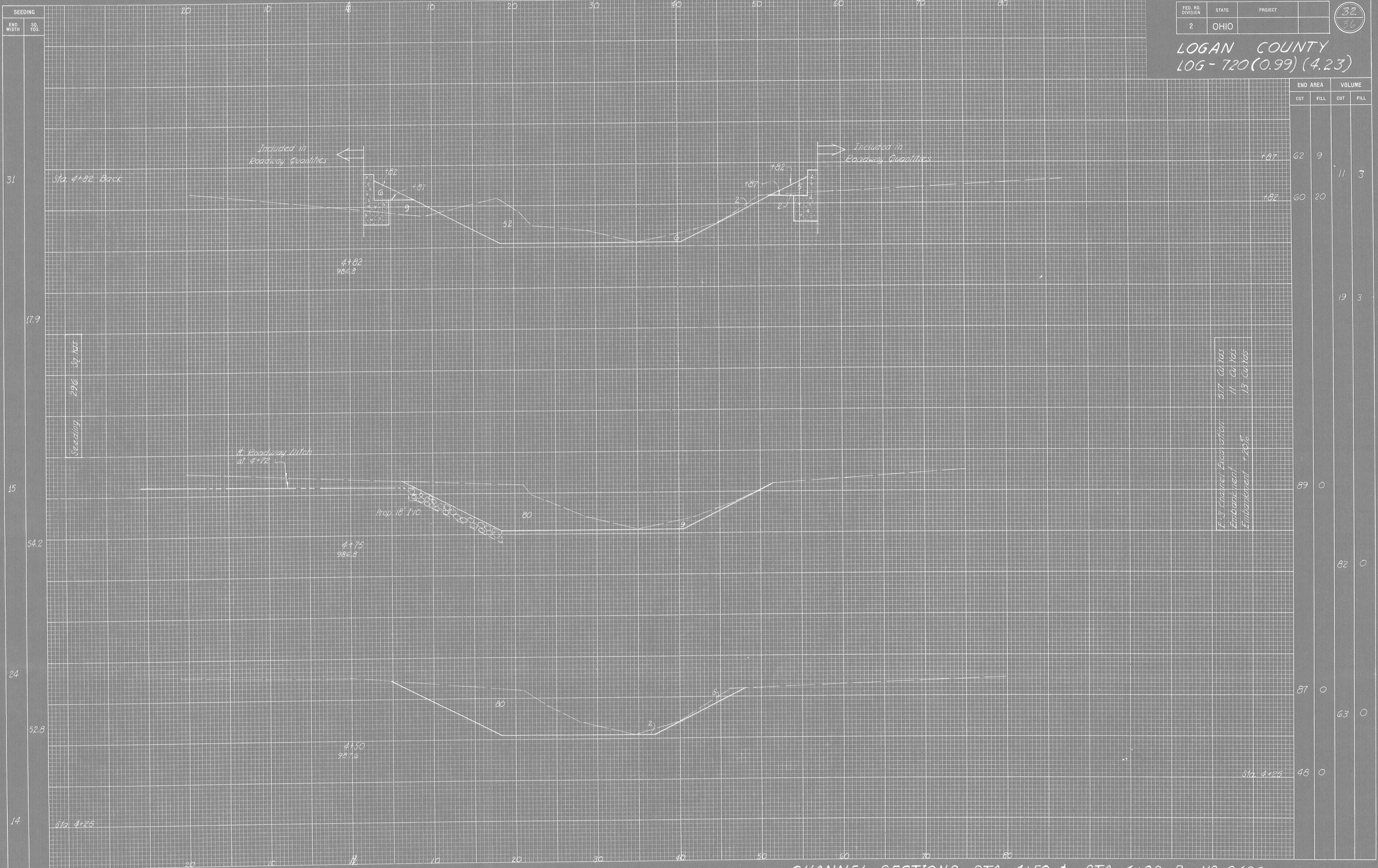
31
36

LOGAN COUNTY
LOG - 720(0.99)(4.23)



END AREA		VOLUME	
CUT	FILL	CUT	FILL
48	0		
		32	0
		20	0
		10	0
		2	0
		1	0
		0	0

LOGAN COUNTY
LOG-720(0.99)(4.23)



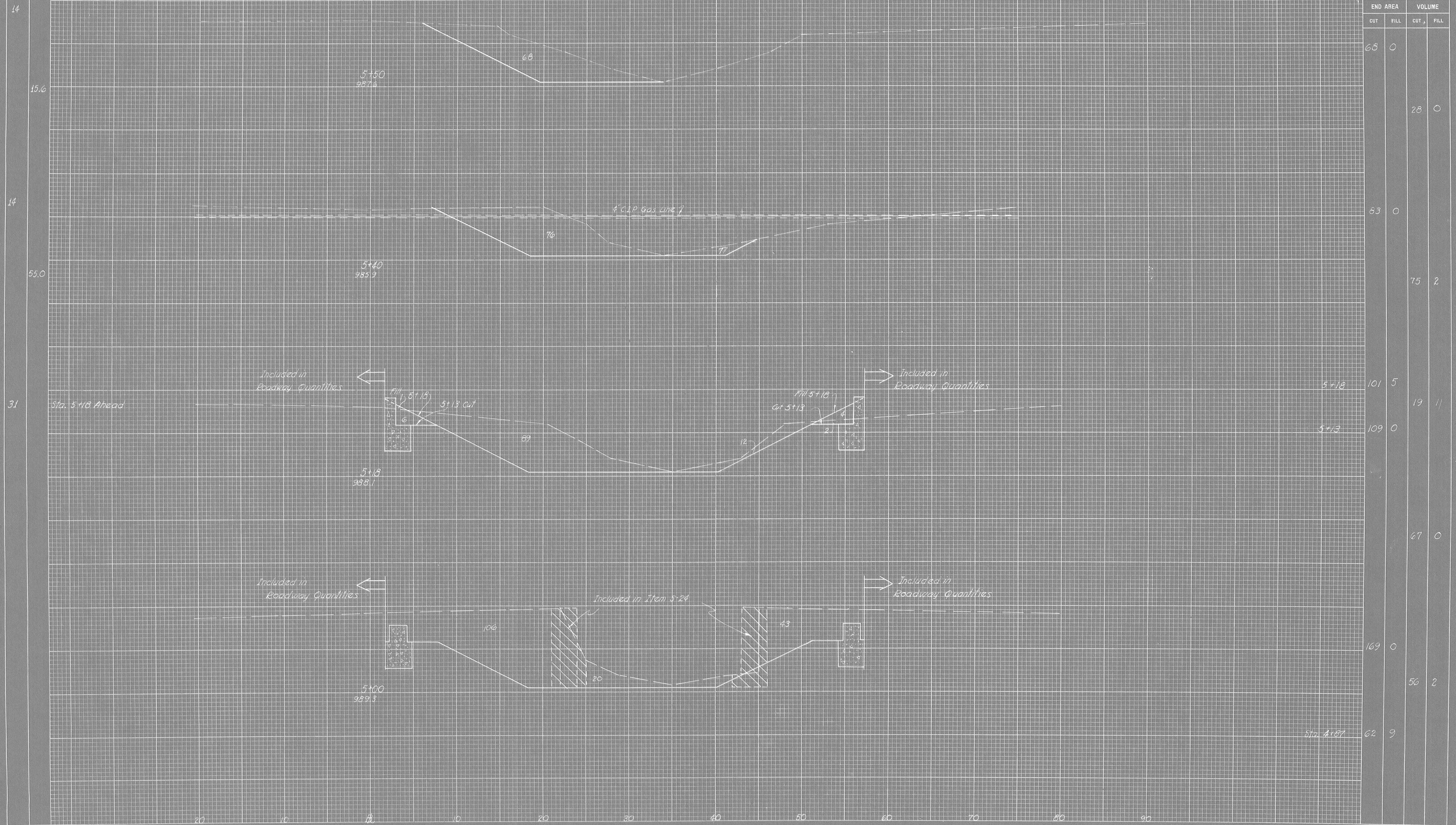
CHANNEL SECTIONS STA. 4+50 to STA. 4+82 Br. N^o 0426

SEEDING
END WIDTH SO. YDS.

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

LOGAN COUNTY
LOG-720-(0.99) (4.23)

33
36



END AREA	VOLUME	
	CUT	FILL
68	0	
		28
63	0	
		75
		2
5+18	101	5
		19
5+13	109	0
		67
		0
		56
		2
Sta. 4+87	62	9

CHANNEL SECTIONS STA. 5+00 to STA. 5+50 Br. N^o 0426

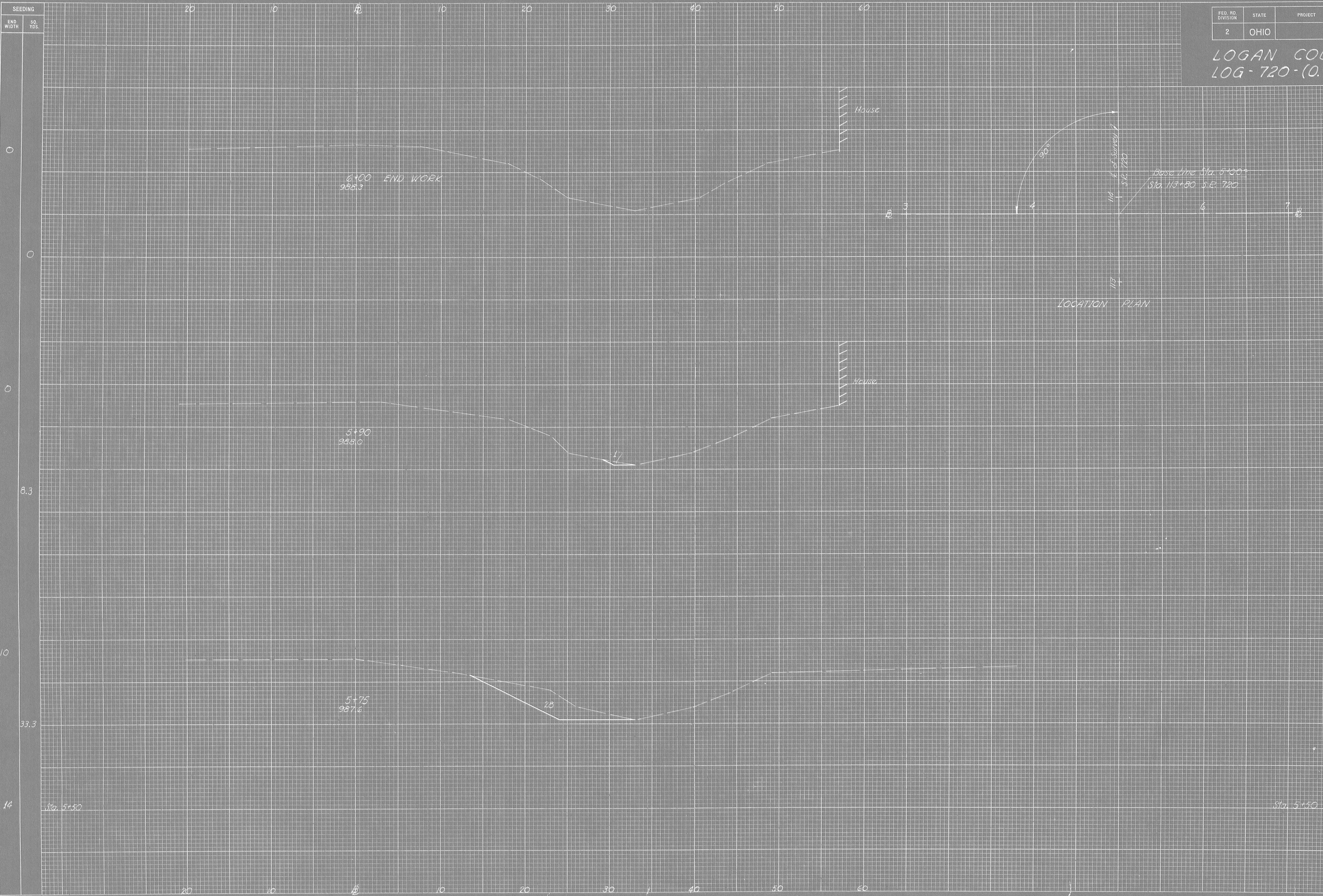
PRINTED IN U. S. A.
ON GULF-TRADE CLOTH

SEEDING
END WIDTH
SO YDS.

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

34
36

LOGAN COUNTY
LOG-720-(0.99)(4.23)



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0	0	0
1	0	1	0
8	0	8	0
28	0	28	0
45	0	45	0
68	0	68	0

INDEX OF PARCELS

1962

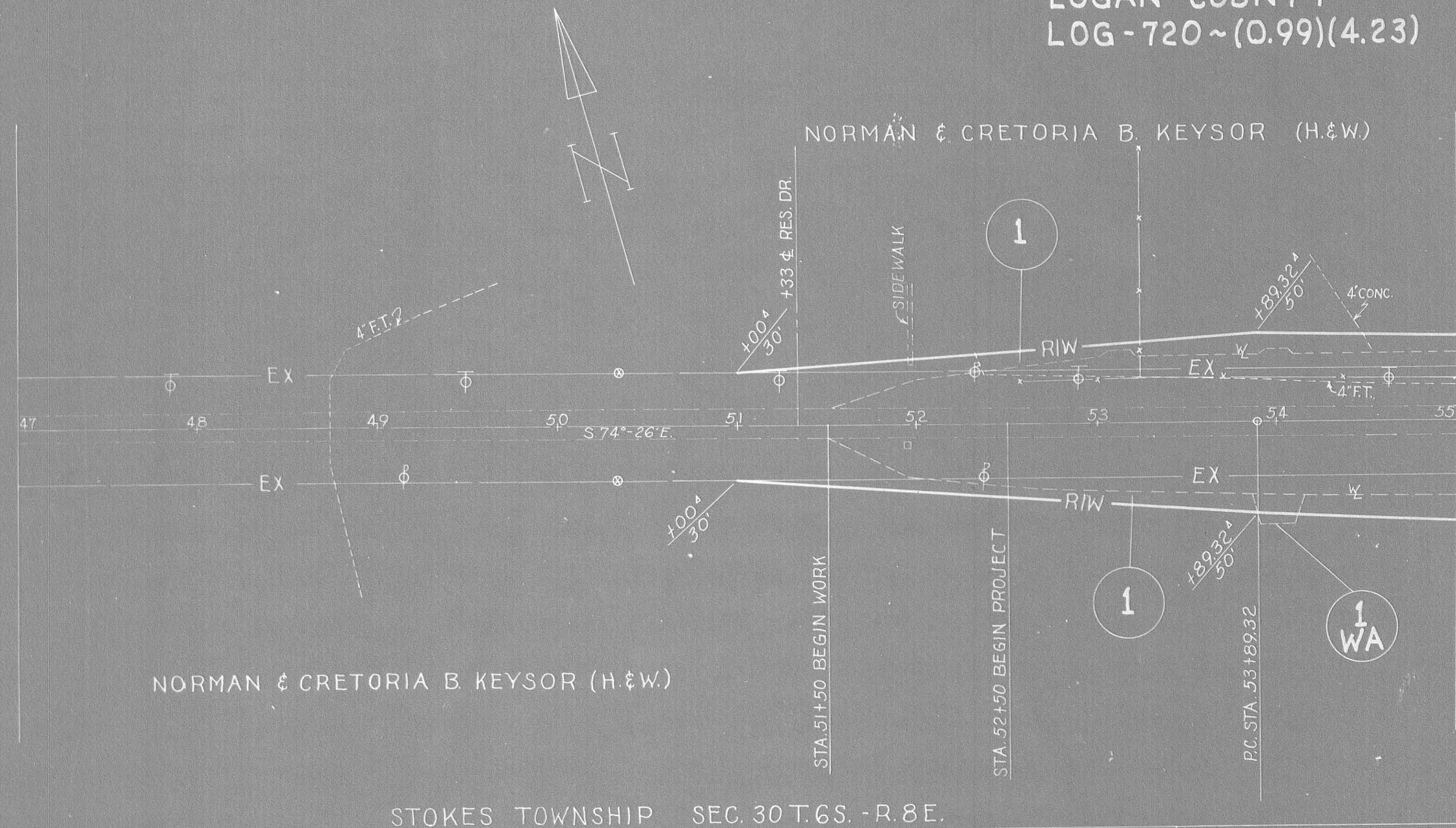
PAR. No	OWNER	AREA ACRES	EXISTING STRUCTURES	SHEET No	REMARKS	RECORDING DATA VOL. PG. DATE
1	NORMAN KEYSOR, ET AL	1.29		1		
1TS1	" " " "	0.08		1		
1TS2	" " " "	0.08		1		
1WA	" " " "			1		
2	OPAL M. SCHOFFNER	0.05		2		
2WA	" " " "			2		
3	HELEN V. REED NORVIEL	0.03		2		
3TS	" " " "	0.01		2		
4TS	R.L. MILLER, ET AL	0.02		2		
5TS	THE VILLAGE OF LAKEVIEW	0.04		2		
6	EARL E. ROUSH, ET AL	0.10		2		
6TS	" " " "	0.04		2		
6WA	" " " "			2		
7WA	KYRLE N. RUHL			2		

PART I
STOKES TOWNSHIP SEC. 30 T. 6S. - R. 8E.

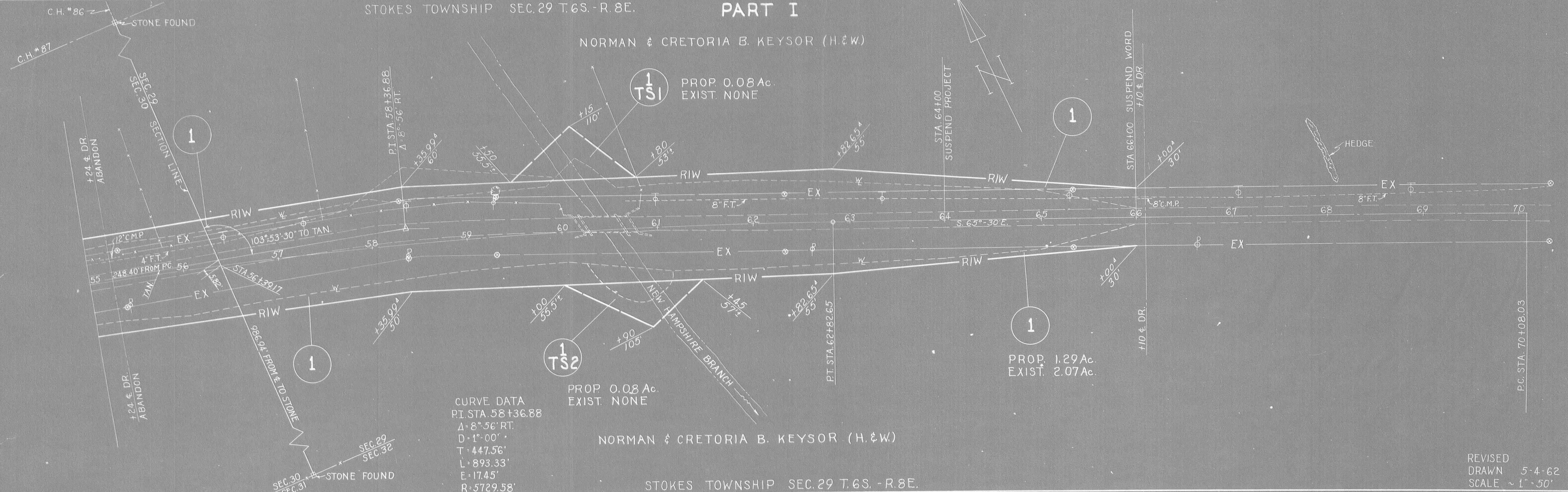
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

LOGAN COUNTY
LOG-720~(0.99)(4.23)

35
36



STOKES TOWNSHIP SEC. 29 T. 6S. - R. 8E. PART I



CURVE DATA
P.I. STA. 58+36.88
Δ=8°-56' RT.
D=1'-00"
T=447.56'
L=893.33'
E=17.45'
R=5729.58'

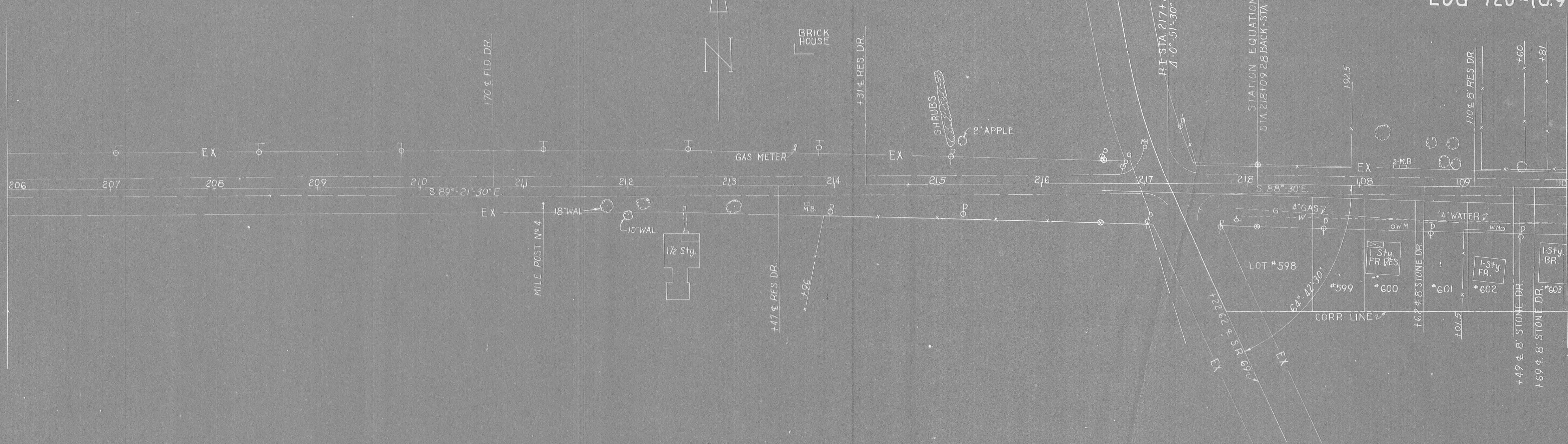
STOKES TOWNSHIP SEC. 29 T. 6S. - R. 8E.

REVISED
DRAWN 5-4-62
SCALE ~ 1" = 50'

PART II

VILLAGE OF LAKEVIEW

STOKES TWP. SEC. 34 T. 6S. - R. 8E.



STOKES TWP. SEC. 34 T. 6S. - R. 8E.

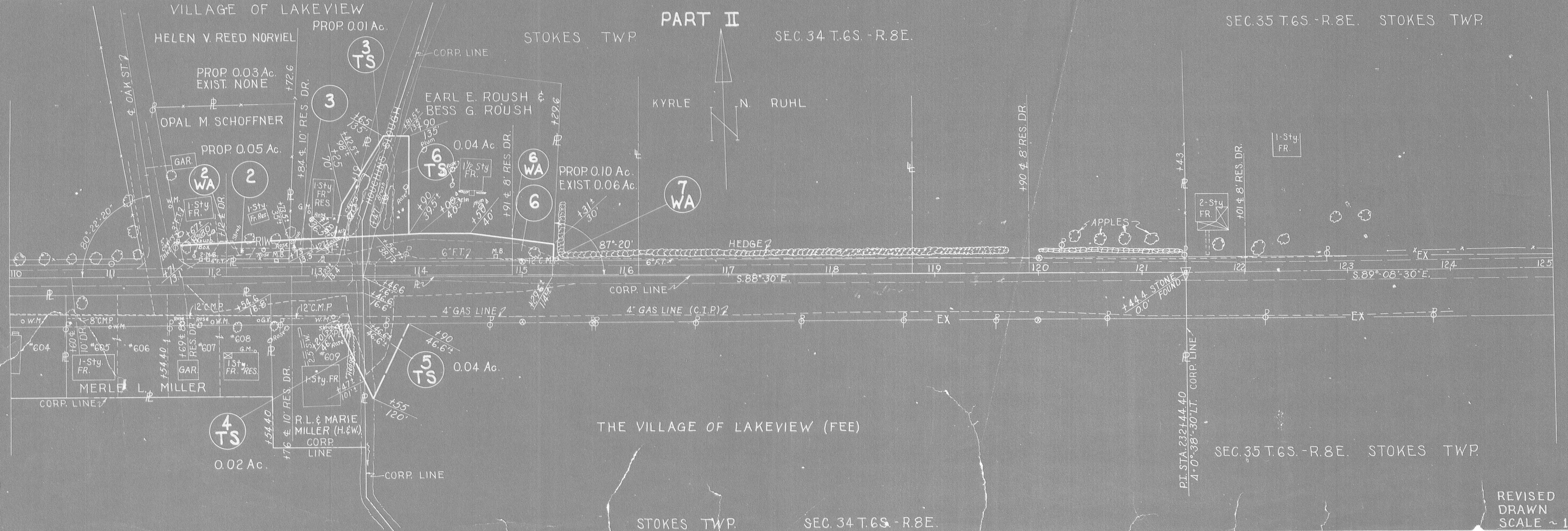
PART II

VILLAGE OF LAKEVIEW

STOKES TWP.

SEC. 34 T. 6S. - R. 8E.

SEC. 35 T. 6S. - R. 8E. STOKES TWP.



STOKES TWP. SEC. 34 T. 6S. - R. 8E.

SEC. 35 T. 6S. - R. 8E. STOKES TWP.

REVISED
DRAWN 5-4-62
SCALE ~ 1" = 50'