

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

LEMON TWP.
CITY OF MIDDLETOWN
BUT-73-22.57
BUTLER COUNTY

FRANKLIN TWP.
CITY OF FRANKLIN
WAR-73-0.00
WARREN COUNTY

FED. ROAD DIST. NO. 2
BUTLER COUNTY
BUT-73-22.57
WARREN COUNTY
WAR-73-0.00
LIMITED
This improvement designed for through traffic has been declared a public use by action of the Director of Highways in accordance with the provisions of Section 5511.02 of the Code of Ohio.

~ CONVENTIONAL SIGNS ~

County Line	-----
Township Line	-----
City or Village Line	-----
Property Line (Fence)	-----
Property Line (No Fence)	-----
Center Line	-----
Pole Line	-----
Trees or Stumps to remain	Guy ♂, Telegraph ♂, Power ♂, Light ♂
Trees or Stumps to be removed	⊗
Railroad	⊗

~ INDEX OF SHEETS ~

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Structures 20 Ft. Span and Under	Sheet No 246-293
Structures Over 20 Ft. Span	Sheet No 294-301
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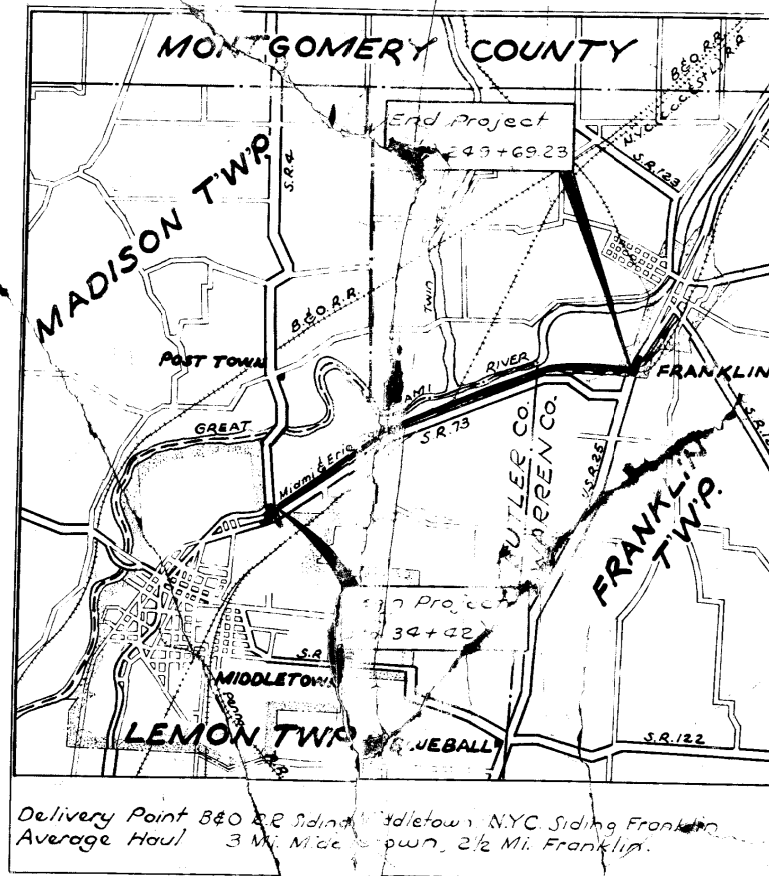
~ LINE DATA ~
PROJECT LENGTH

Length of Project Rural	= 20,958.73 Lin. Ft. or 3.869 Miles
Length of Project Municipal Franklin	= 204.94 Lin. Ft. or 0.133 Mile
Total length of Project Municipal & Rural	= 21,663.67 Lin. Ft. or 4.102 Miles

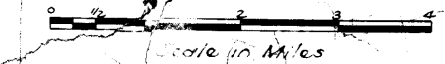
LENGTH OF WORK

Length of Work Municipal Middletown	= 854.97 Lin. Ft. or 0.161 Mile
Length of Work Rural	= 2,423.83 Lin. Ft. or 4.588 Miles
Length of Work Municipal-Franklin	= 1,358.61 Lin. Ft. or 0.352 Mile
Total length of Work Municipal & Rural	= 26,939.41 Lin. Ft. or 5.103 Miles

For Details of Line Data See Sheet No 16



~ LOCATION PLAN ~



Portion to be Improved
State Highway
Other

The Standard Specifications of the State of Ohio, Department of Highways, changes and supplemental specifications, listed in the proposal, shall govern this project. The right of way for this improvement will be provided by the State of Ohio. I hereby approve these plans and declare that the making of this improvement require the closing to traffic of the highway and that provisions for the mg and safety of traffic will be as set forth on the plans and estimates.

- Approved: *[Signature]* Date: 10-27-54 Division Deputy Director
- Approved: *[Signature]* Date: 11-10-55 Deputy Director of Planning and Programming
- Approved: *[Signature]* Date: 11-27-54 Engineer of Bridges
- Approved: *[Signature]* Date: 11-27-54 Engineer of Location and Design
- Approved: *[Signature]* Date: 11-27-55 Deputy Director of Design and Construction
- Approved: *[Signature]* Date: 11-27-55 First Assistant Director
- Approved: *[Signature]* Date: 11-27-55 Director of Highways

~ NOTES ~

Supplemental Specifications	12-1-50	1-1-50	2-1-50	3-1-50	4-1-50	5-1-50	6-1-50	7-1-50	8-1-50	9-1-50	10-1-50	11-1-50	12-1-50
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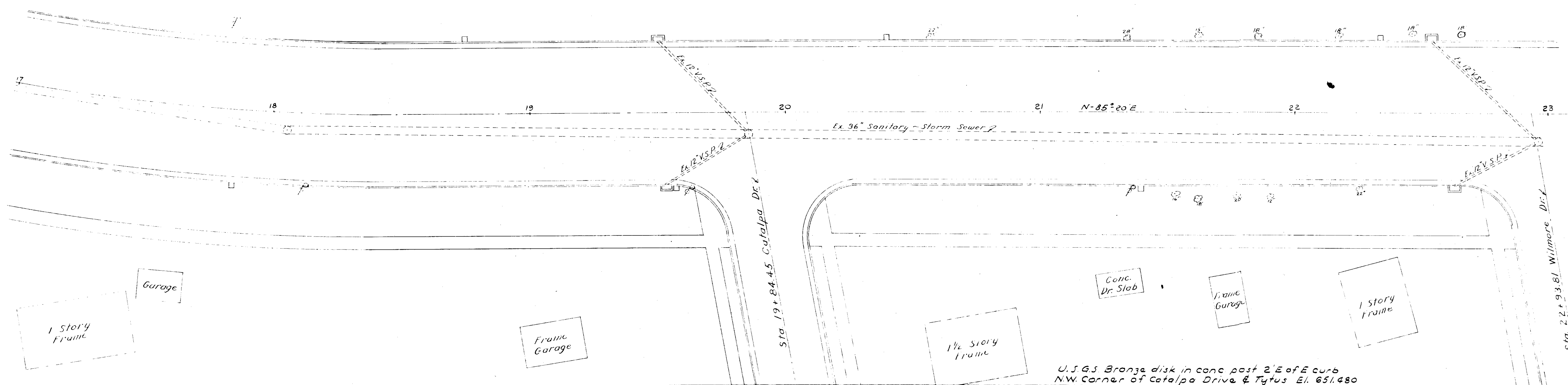
E-1-9-16A

1/2 Story
Frame

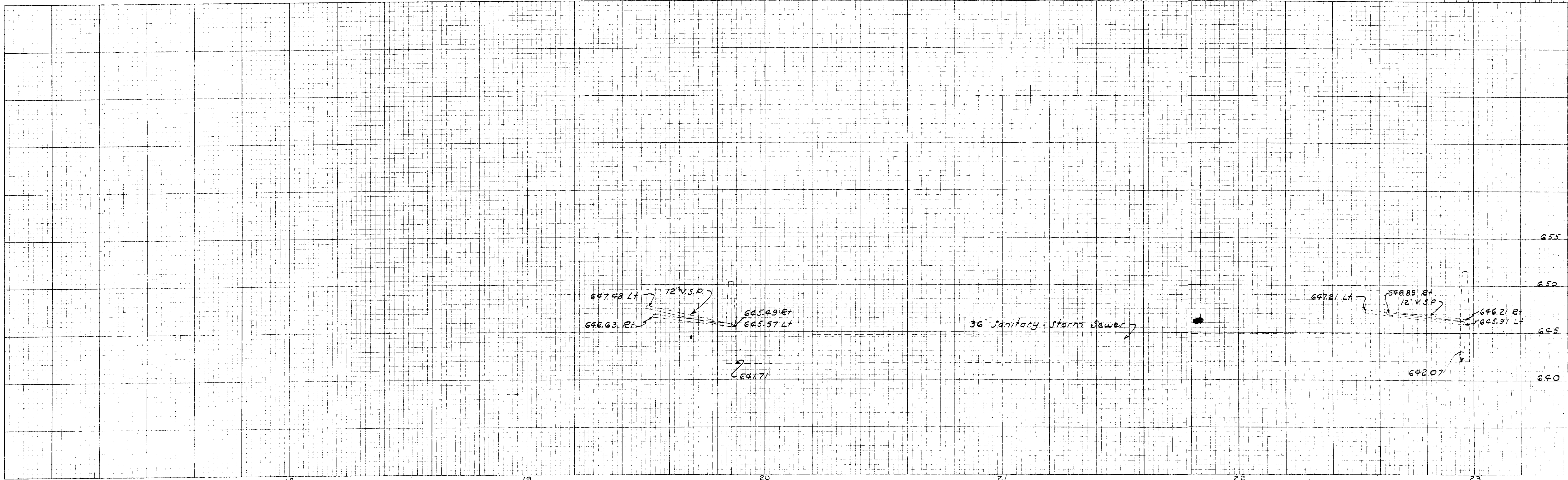
FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		17

327

BUTLER COUNTY
BUT.73 - 22.57
WARREN COUNTY
WAR.73 - 0.00



U.S.G.S Bronze disk in conc post 2' E of E curb
 NW corner of Catalpa Drive & Titus El. 651.480



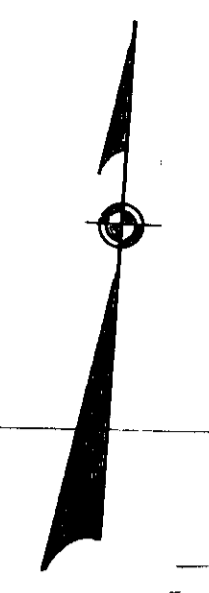
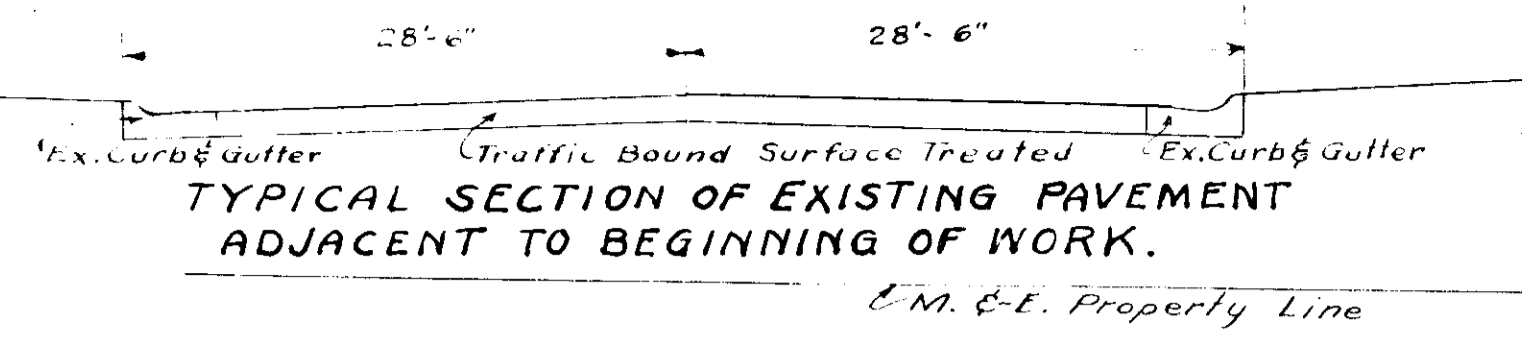
647.48 Lt
 646.63 Rt
 12" V.S.P.
 645.49 Rt
 645.57 Lt
 641.71

36" Sanitary - Storm Sewer

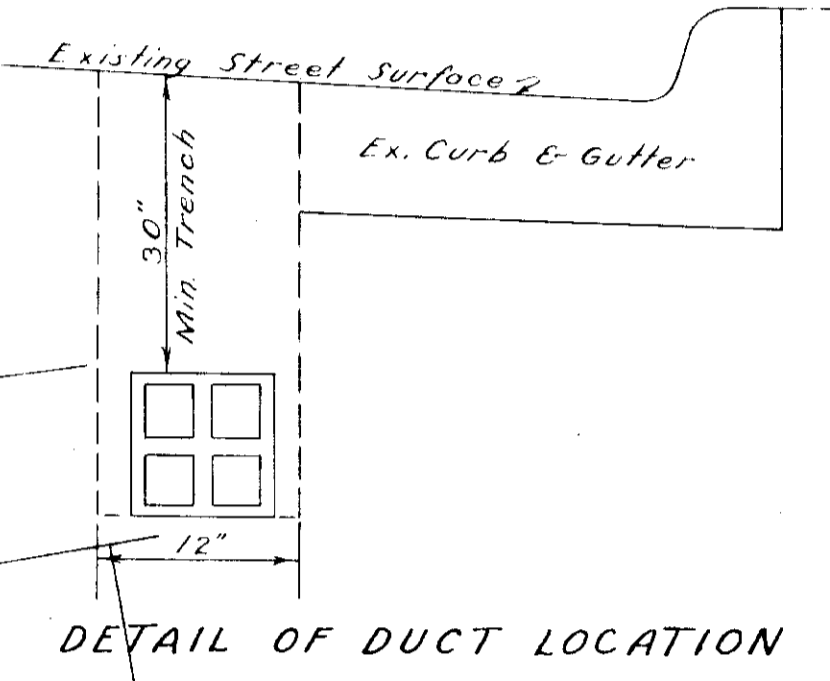
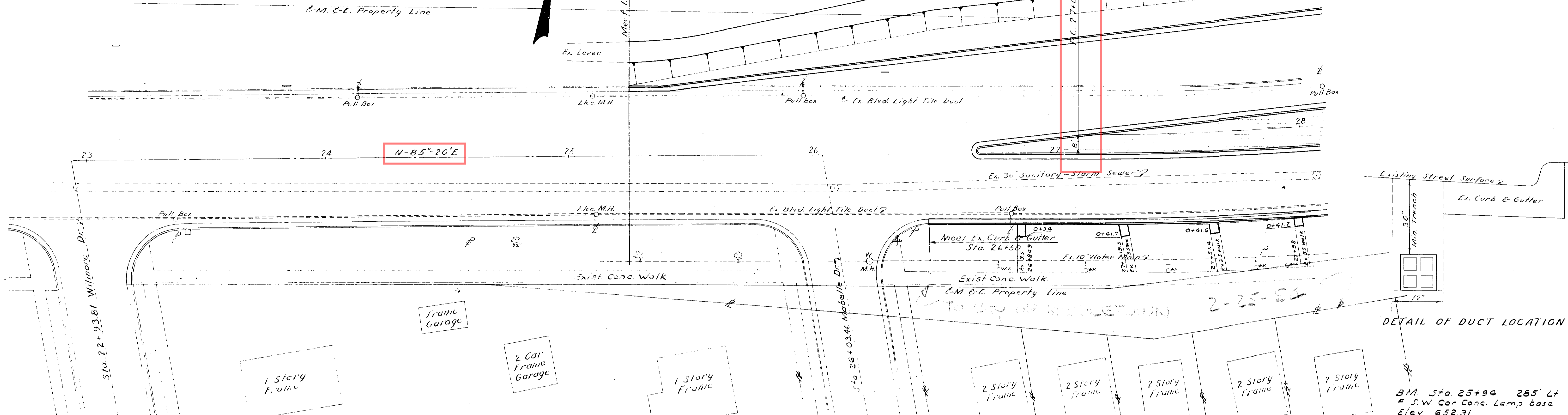
647.21 Lt
 646.89 Rt
 12" V.S.P.
 646.21 Rt
 645.91 Lt
 642.07

STA 17+00 TO STA. 23+00

BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00



Meat. of Exist. - BEGIN WORK
 STA. 25+25



B.M. Sta 25+94 285' Lt
 S.W. Cor. Conc. Lamp base
 Elev. 652.91

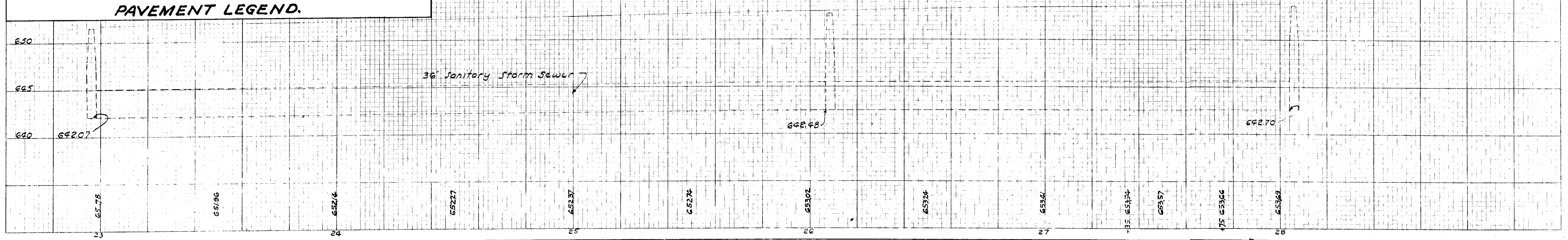
All elevations shown are to U.S.G.S. datum.

UTILITIES

UTILITIES	OWNER	ADDRESS
Gas & Electric	Cincinnati Gas & Electric Co.	4th & Main Sts. Cincinnati Ohio.
Telephone	Ohio Bell Telephone Co.	100 North 3rd St Columbus Ohio.
Water and Sanitary Sewers	City of Middletown	City Building Middletown Ohio.
	Butler Co. Commissioners	Court House Hamilton Ohio.
	City of Franklin	City Building Franklin Ohio.
Telegraph	New York Central Railroad	Division Office, Springfield Ohio.

PAVEMENT LEGEND.

1/4" T-35 Surface 1/4" B-35 Leveling 3" B-35 Base 5" B-119 Base	9" T-71 Pavement 8" I-22 Subbase	2" T-35 Surface 7" I-18 Base
1/4" T-35 Surface 1/4" B-35 Leveling 3" B-35 Base 5" B-119 Base 8" I-22 Subbase	2 1/2" Aver. T-35 Surf 2" Min	1/4" T-35 Surface 1/4" B-35 Leveling T-30 Prime 7" B-119 Base
7" T-70 Pavement	1/4" T-35 Surface 1/4" B-35 Leveling T-30 Prime 5" B-119 Base 4" I-22 Subbase	9" I-18 Surface
6" T-70 Pavement	8" T-70 Pavement	8" I-18 Surface
Var. Depth Surf Course	2" T-35 Surface 5" I-18 Base	1/2" T-35 Surface



STA. 23+00 TO STA. 28+00

BUTLER COUNTY
 BUT.73 - 22.57
 WARREN COUNTY
 WAR.73 - 0.00

CURVE DATA
 Δ = 17° 50' Lt.
 D = 4° 30' Lt.
 T = 199.76
 L = 396.30
 Ex = 15.39
 PI = 29+09.53

CURVE #1

Prop 2" Galvanized
 Conduit. Place 2' under
 proposed pavement
 surface & cap ends.

P.I. = 31+06.07

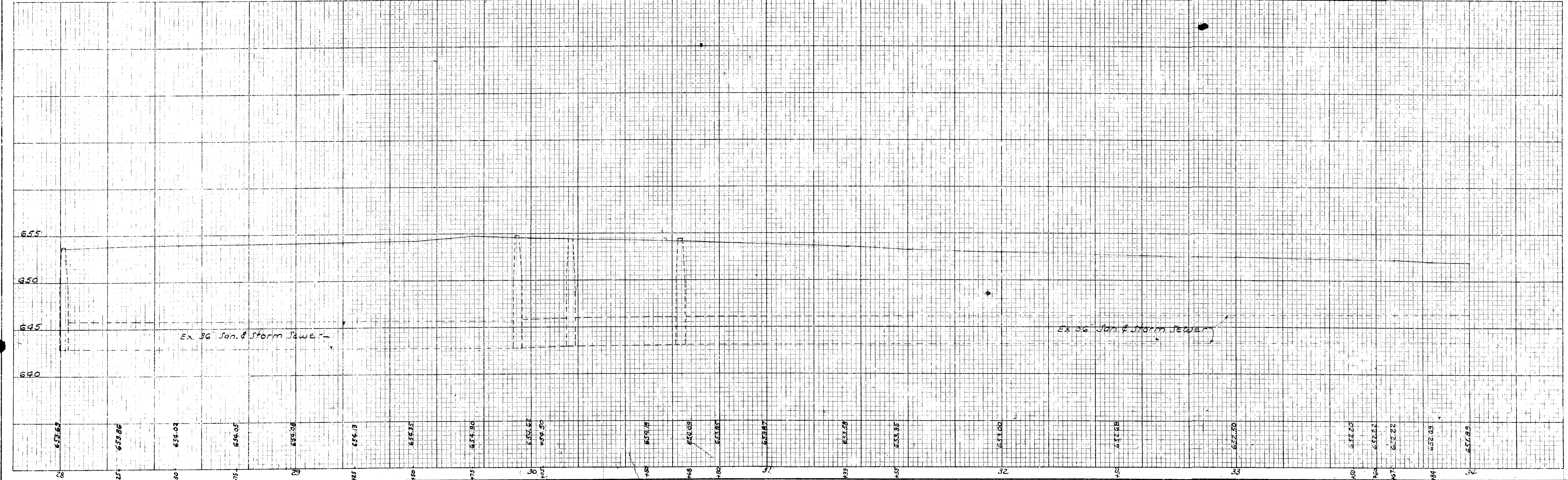
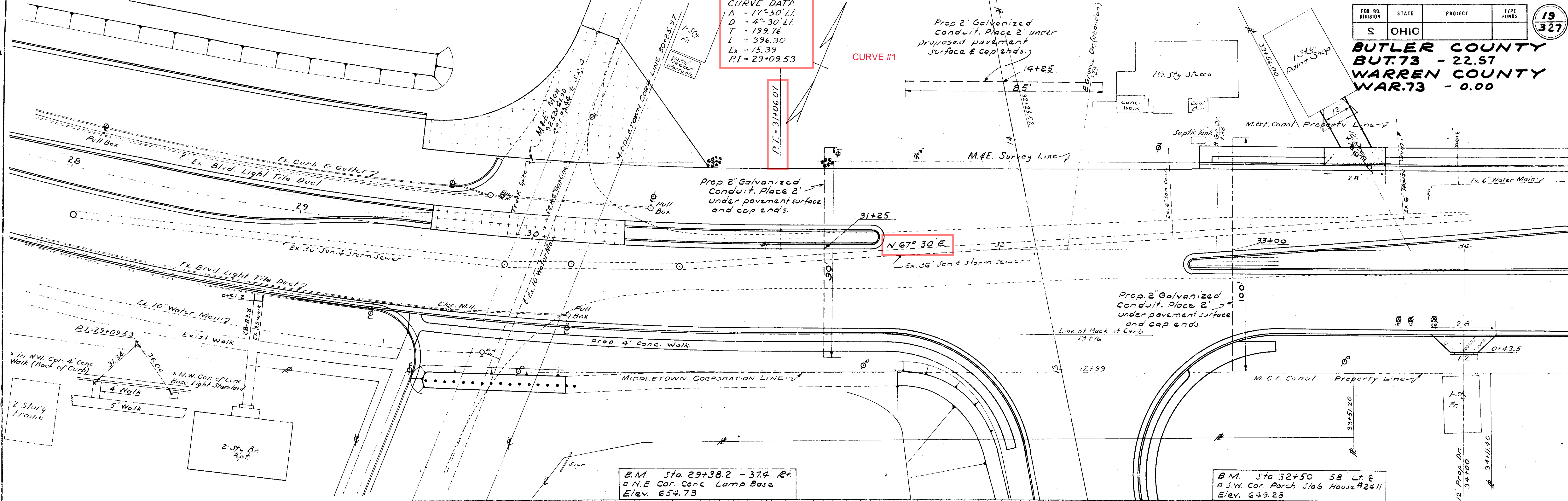
Prop 2" Galvanized
 Conduit. Place 2' under
 pavement surface
 and cap ends.

N 67° 30' E

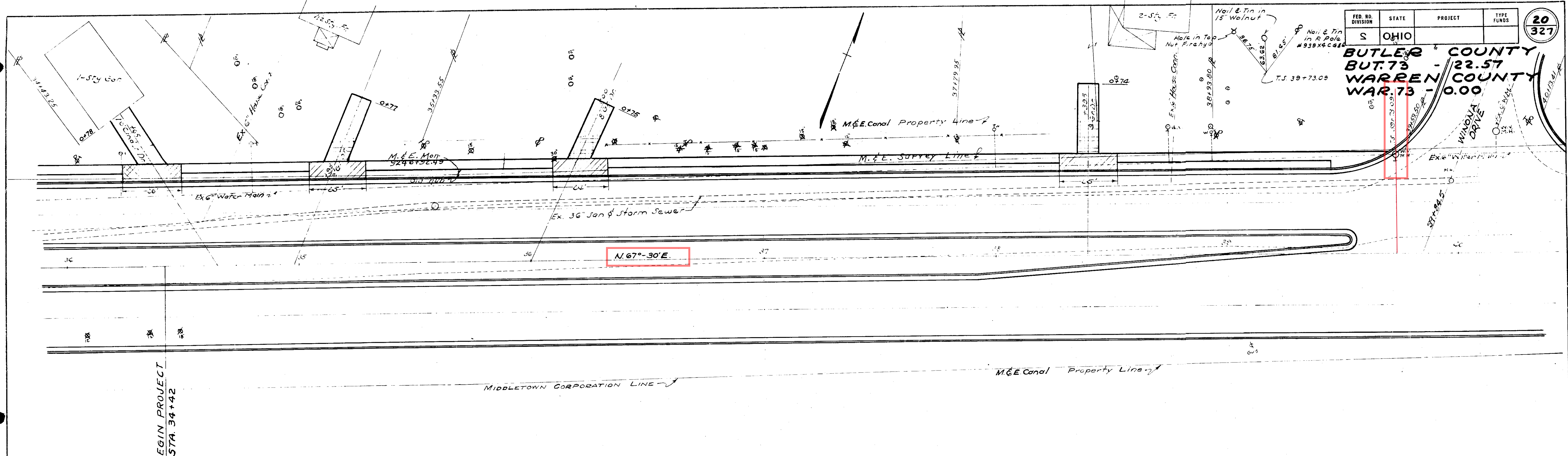
Prop 2" Galvanized
 Conduit. Place 2' under
 pavement surface
 and cap ends

B.M. Sta. 29+38.2 - 37.4 Rft
 a N.E. Cor. Conc. Lamp Base
 Elev. 654.73

B.M. Sta. 32+50 59' Lt E
 a SW Cor. Porch Slab House #2611
 Elev. 649.25



STA. 28+00 To STA. 34+00

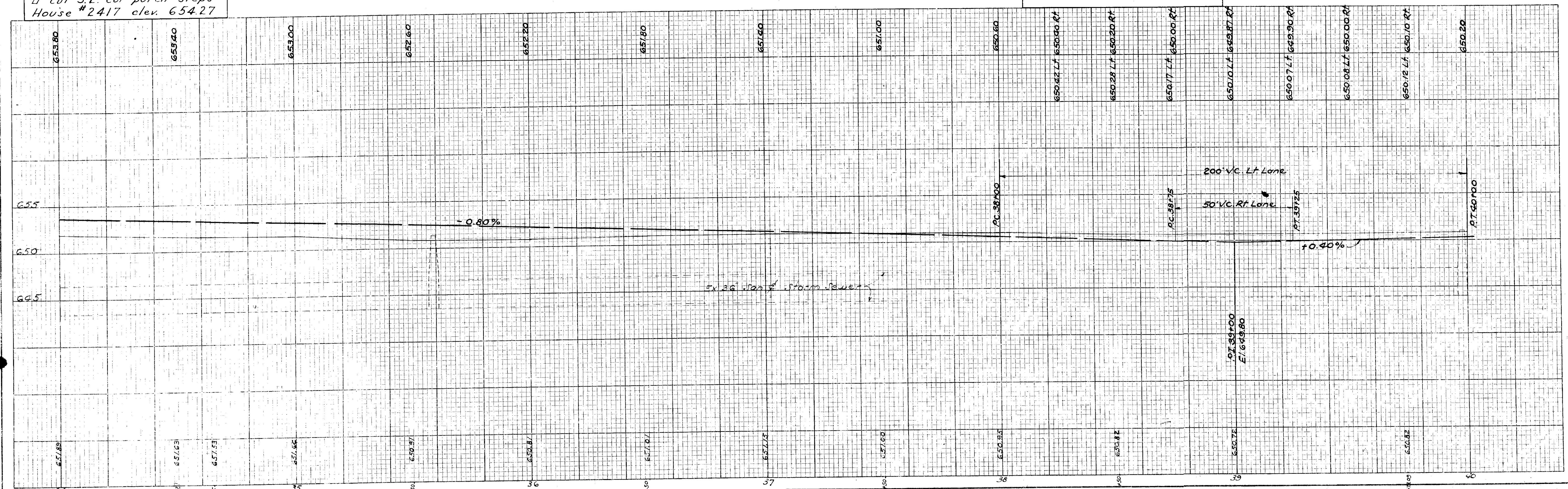


BEGIN PROJECT
STA 34+42

CITY OF MIDDLETOWN

B.M. Sta. 34+95 - 93' Lt.
"d" cut S.E. cor porch steps
House #2417 elev. 654.27

B.M. Sta. 38+40 - 102' Lt.
"d" cut S.W. cor. bottom step
elev. 654.67



STA. 34+00 TO STA. 40+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
S	OHIO		

BUTLER COUNTY
BUT.73 - 22.57
WARREN COUNTY
WAR.73 - 0.00

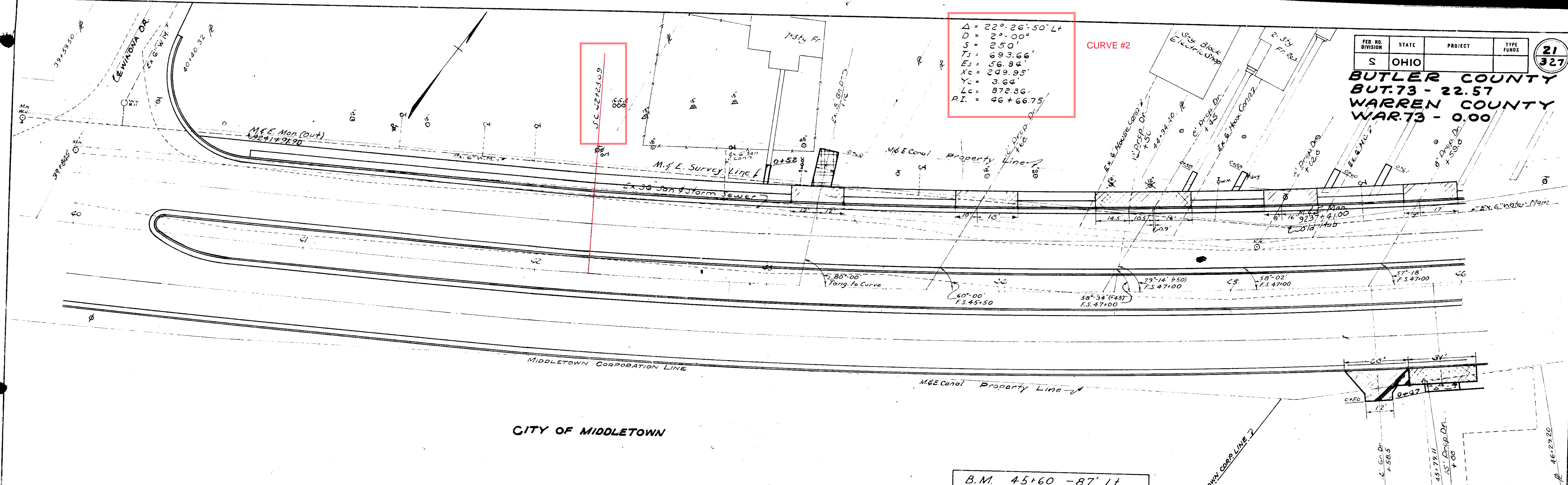
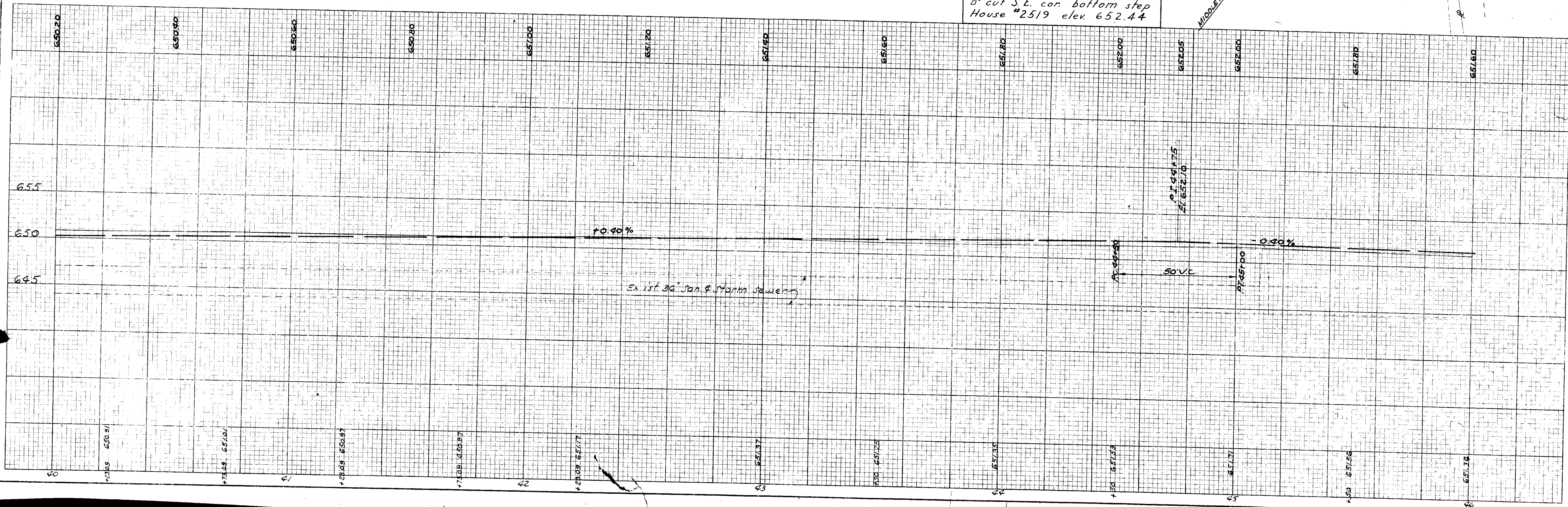
21
327

CURVE #2
 $\Delta = 22^\circ 26' 50" \text{ Lt}$
 $D = 2^\circ 00'$
 $S = 250'$
 $TJ = 693.66'$
 $EJ = 56.84'$
 $Xc = 249.95'$
 $Yc = 3.64'$
 $Lc = 872.36'$
 $P.I. = 46 + 66.75'$

S.C. 42723.09

CITY OF MIDDLETOWN

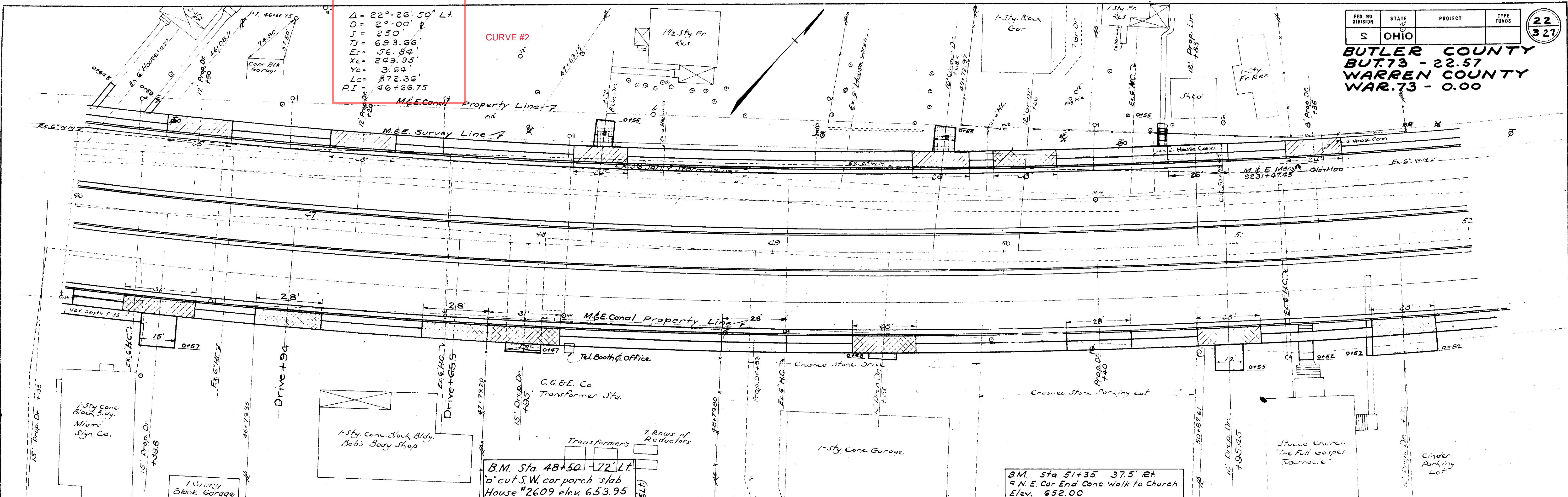
B.M. 45+60 - 87' Lt.
 "a" cut S.E. cor. bottom step
 House #2519 elev. 652.44



BUTLER COUNTY
BUT.73 - 22.57
WARREN COUNTY
WAR.73 - 0.00

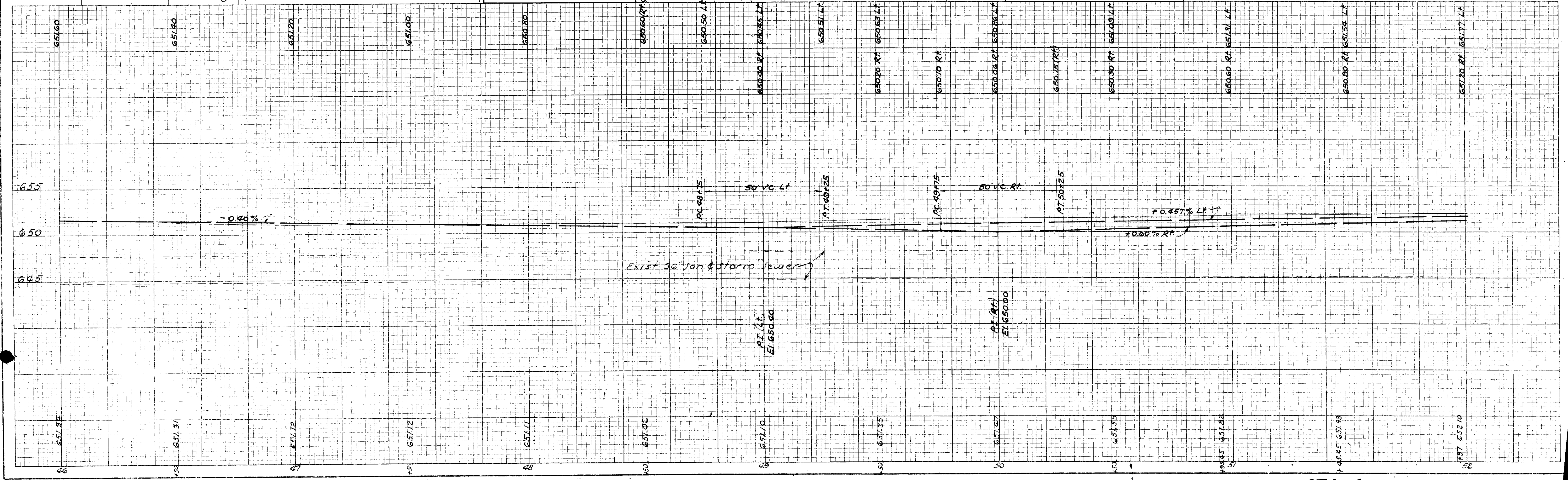
$\Delta = 22^\circ 26' 50''$ LT
 $D = 250$
 $T = 693.66$
 $E = 56.84$
 $X = 249.95$
 $Y = 3.64$
 $LC = 872.36$
 $PI = 46+66.75$

CURVE #2



B.M. Sta 48+50 - 72' LT
 12" cut S.W. cor porch slab
 House #2609 elev. 653.95

B.M. Sta 51+35 37.5' RT
 N.E. Cor End Conc. Walk to Church
 Elev. 652.00

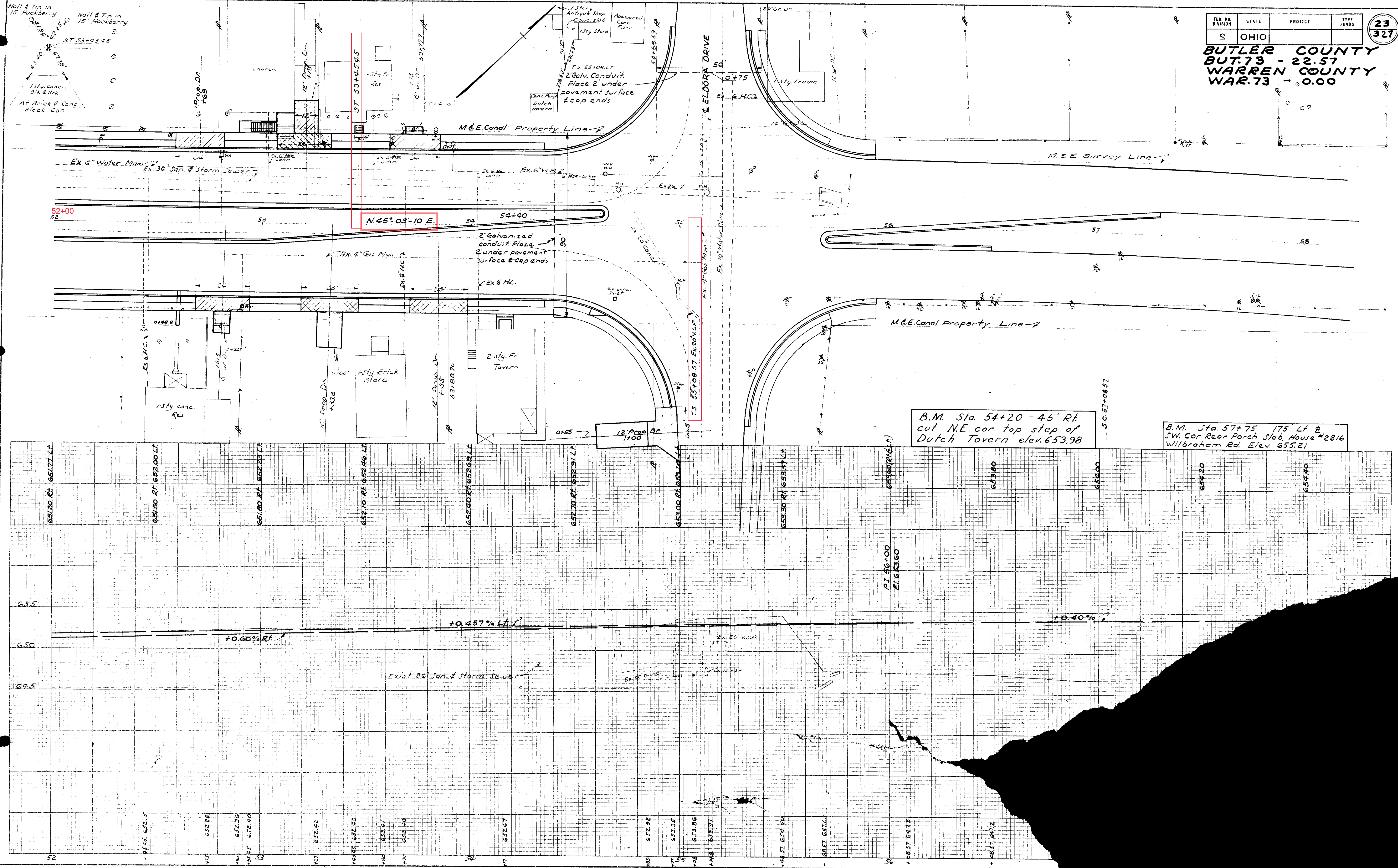


STA. 46+00 To STA. 52+00

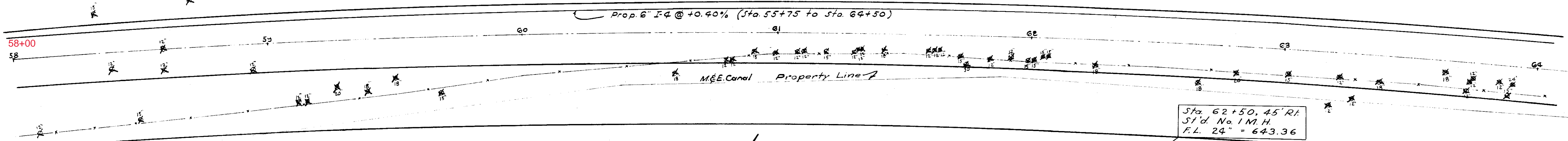
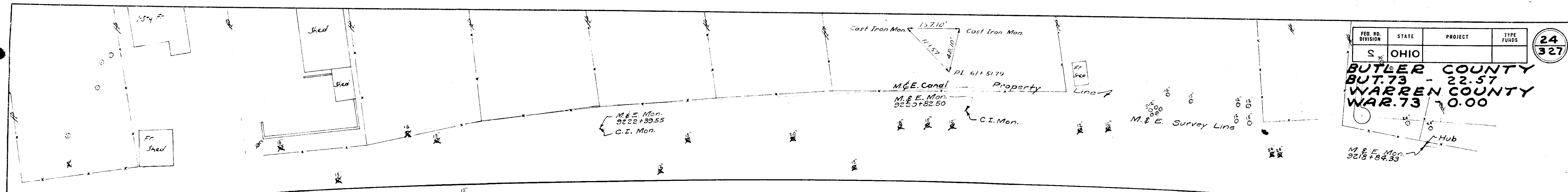
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
S	OHIO		

23
327

BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00

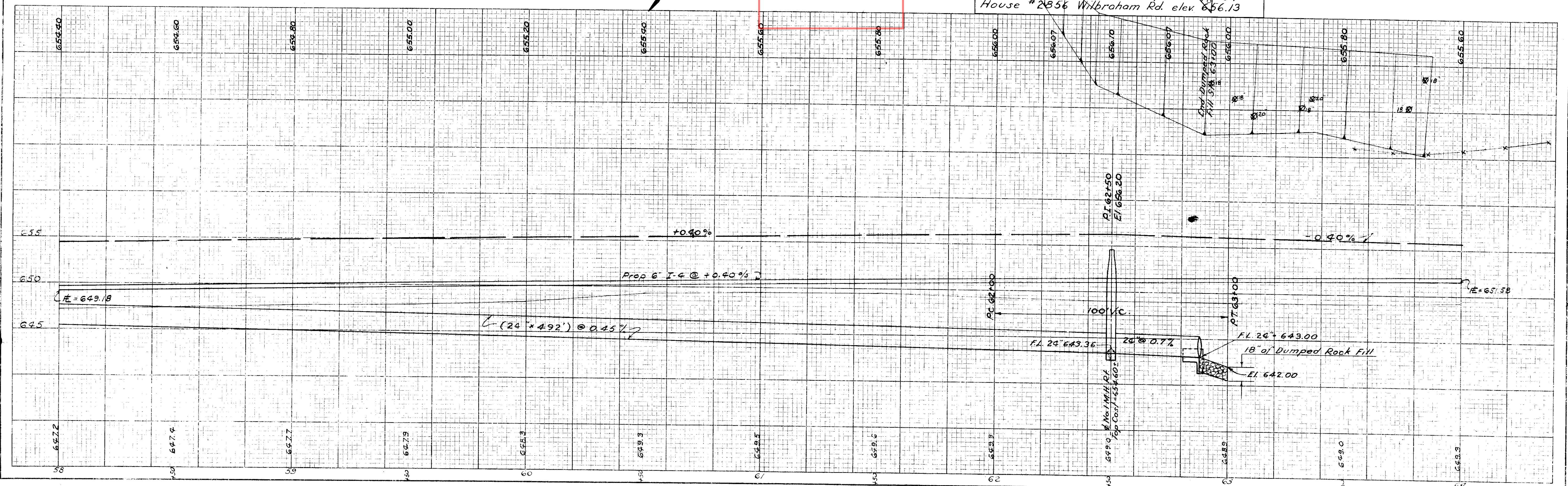
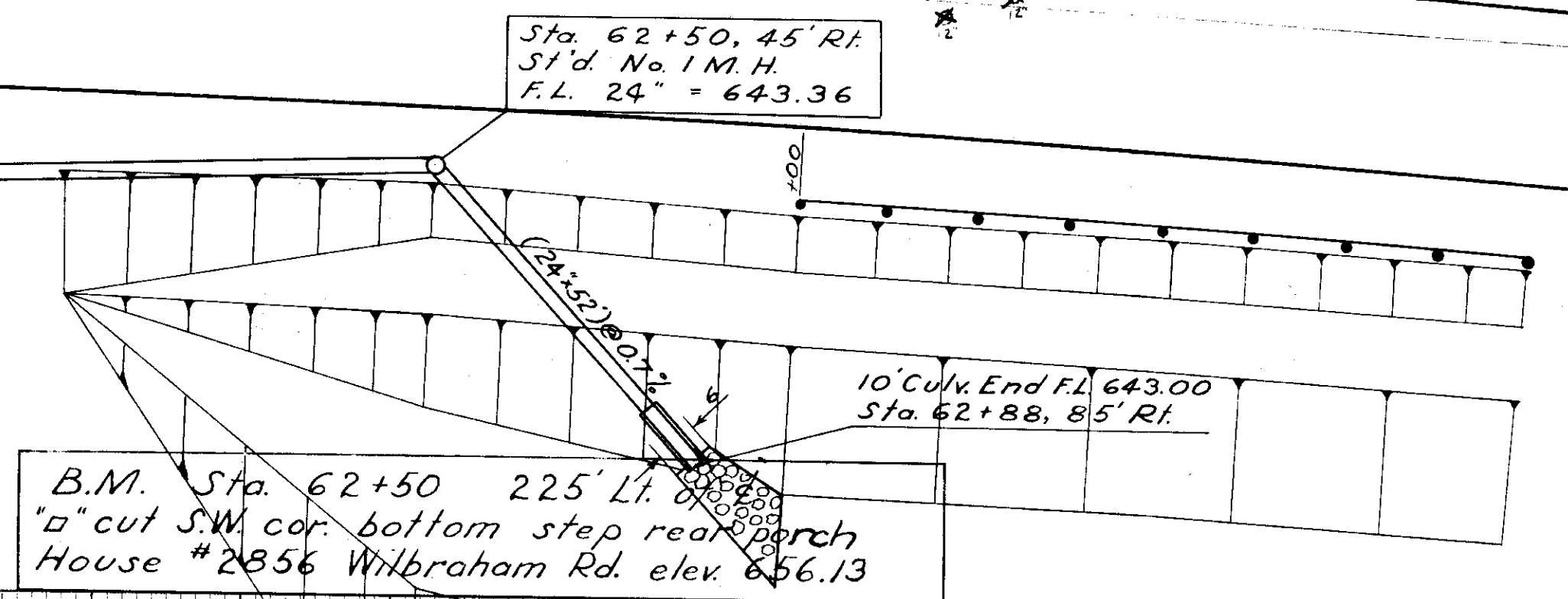


BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 0.00



CURVE #3

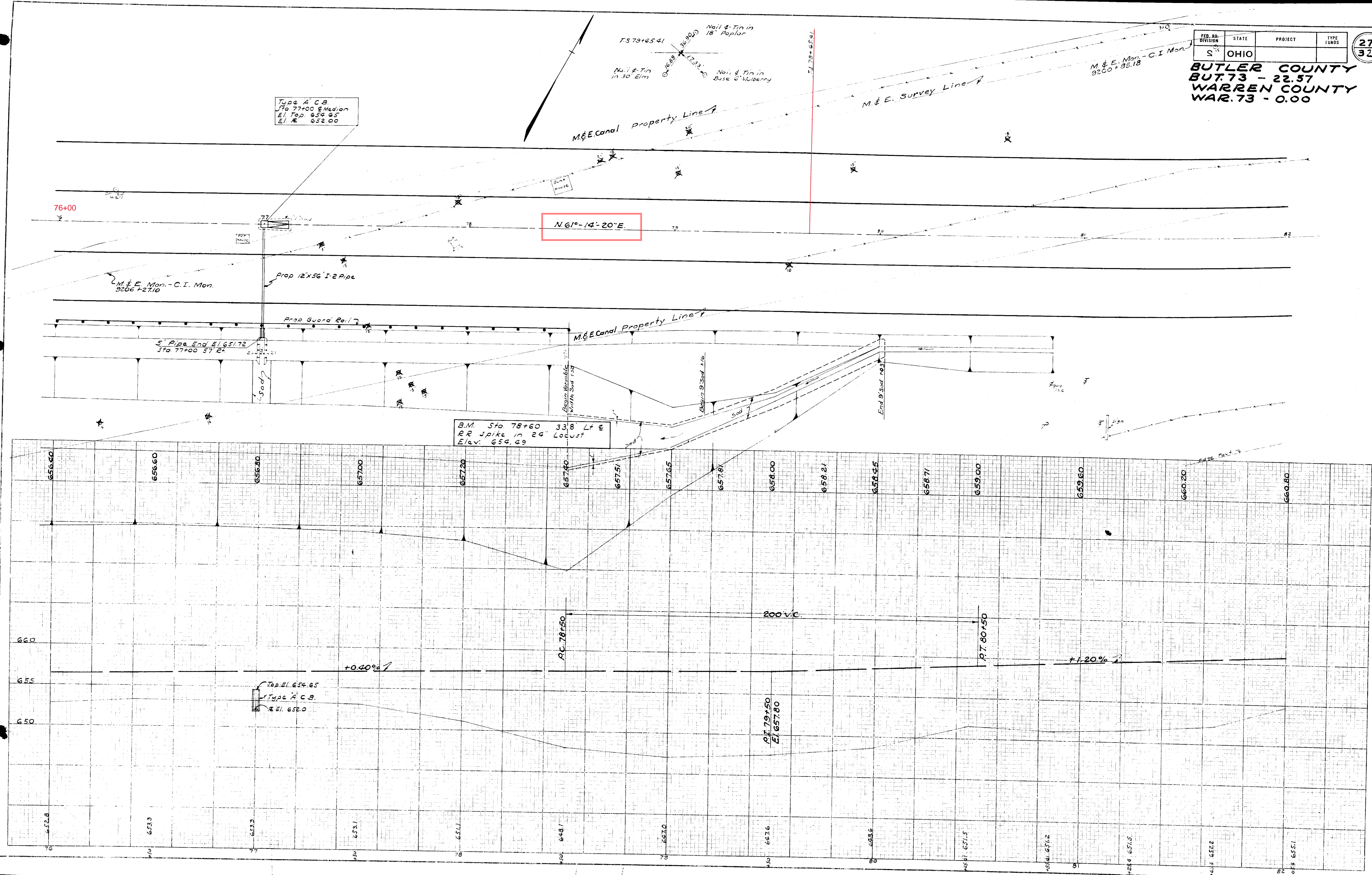
Δ	16° 11' 10" RT
D	1° 30'
Ls	200'
Ts	643.22
Ei	38.91
Xc	123.99
Yc	1.75
Lc	379.07
PI	61+51.79



FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
S	OHIO		

27
327

BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00

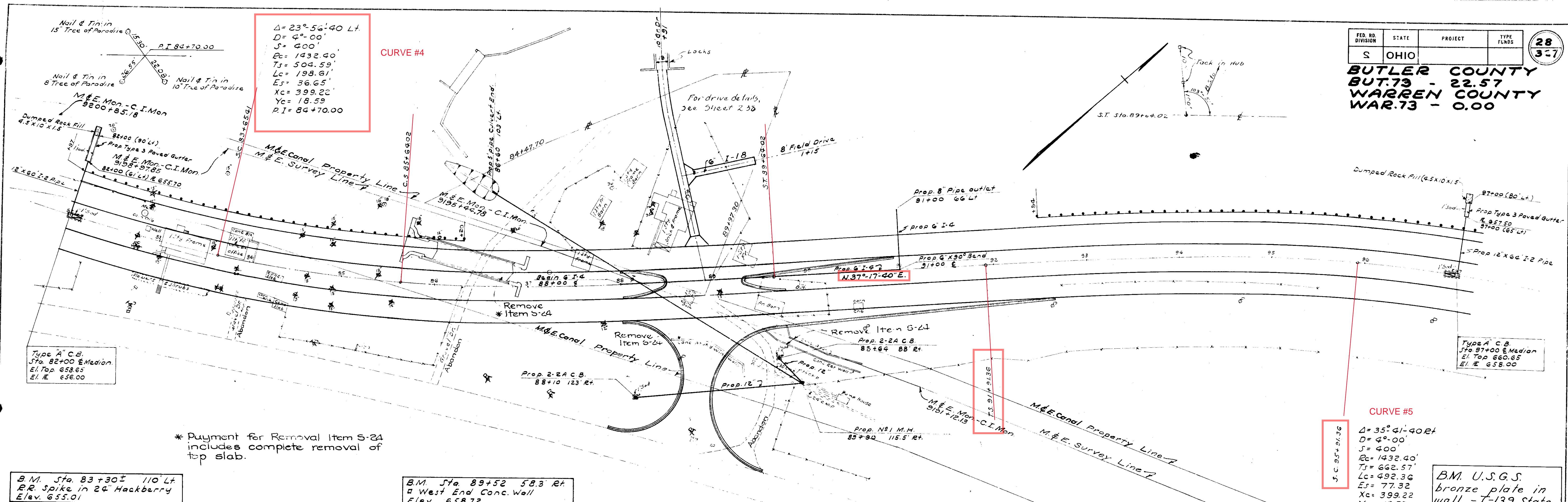


STA 76+00 TO STA 82+00

BUTLER COUNTY
BUT.73 - 22.57
WARREN COUNTY
WAR.73 - 0.00

CURVE #4
 $\Delta = 23^\circ 56' 40" \text{ LT}$
 $D = 4^\circ 00'$
 $S = 600'$
 $Rc = 1432.40'$
 $Ts = 504.59'$
 $Lc = 198.61'$
 $Es = 36.65'$
 $Xc = 399.22'$
 $Yc = 18.59'$
 $PI = 84+70.00$

CURVE #5
 $\Delta = 35^\circ 41' 40" \text{ RT}$
 $D = 4^\circ 00'$
 $S = 400'$
 $Rc = 1432.40'$
 $Ts = 662.57'$
 $Lc = 492.30'$
 $Es = 77.32'$
 $Xc = 399.22'$
 $Yc = 18.59'$
 $PI = 98+53.93$

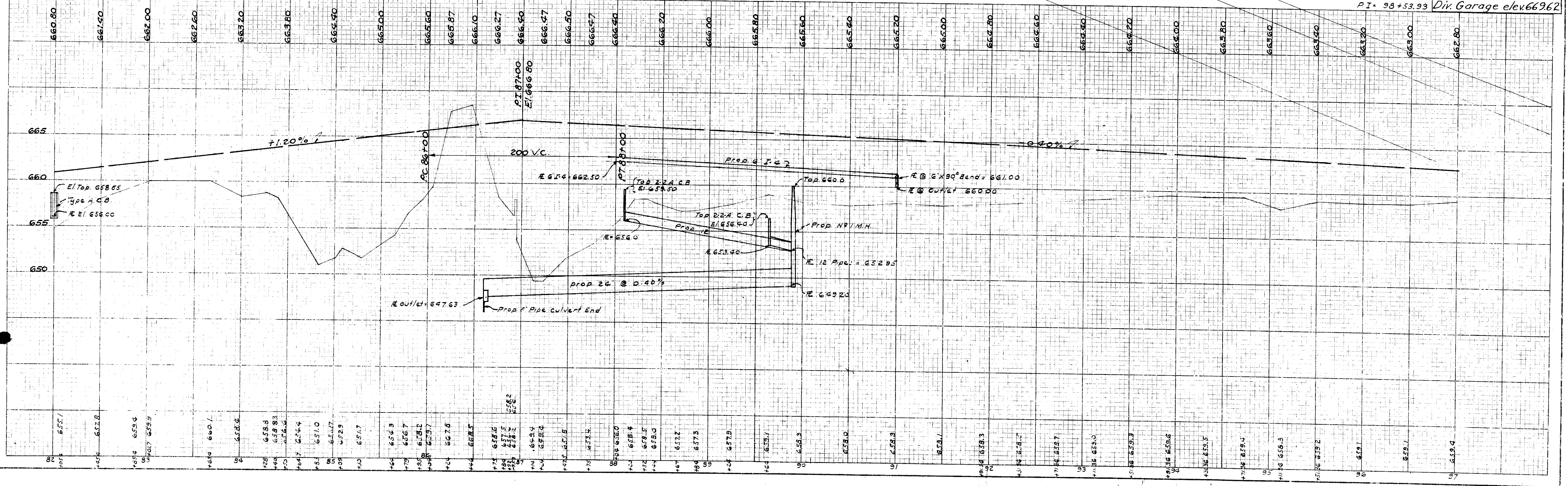


* Payment for Removal Item S-24 includes complete removal of top slab.

B.M. Sta. 83+30± 110' Lt
 RR Spike in 24" Hackberry
 Elev. 655.01

B.M. Sta. 89+52 58.3 Rt
 West End Conc. Wall
 Elev. 658.72

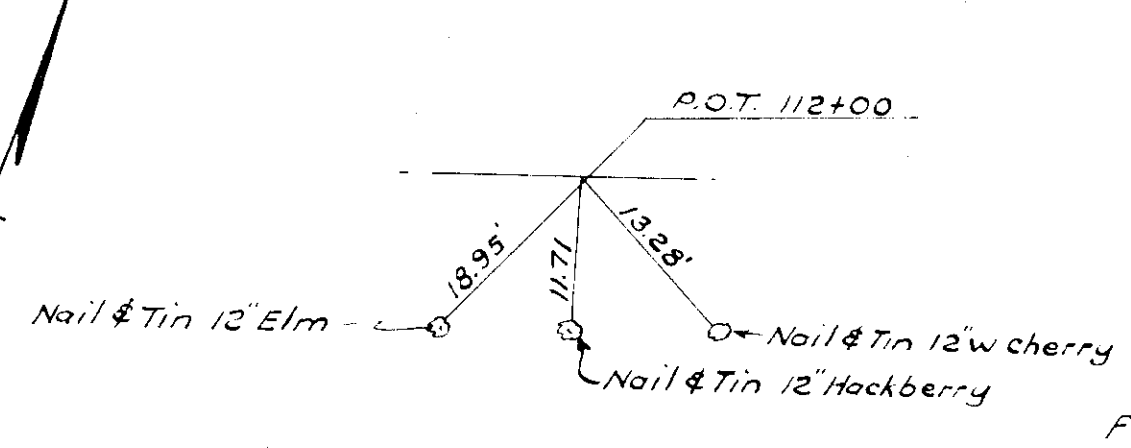
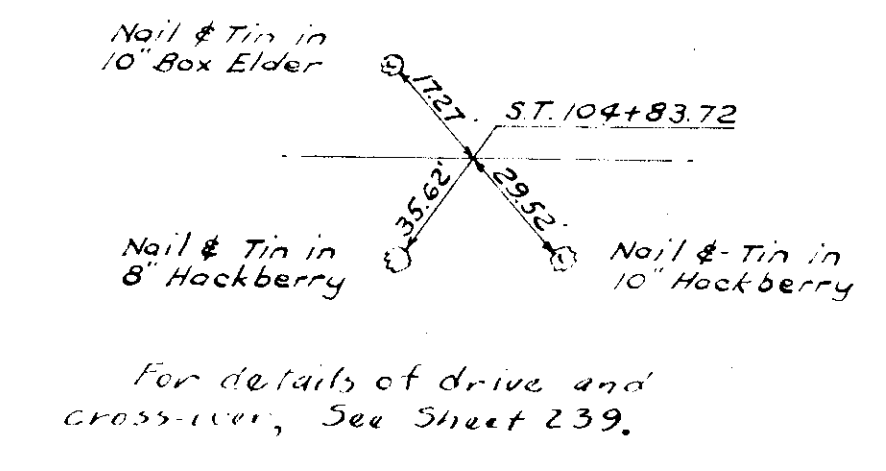
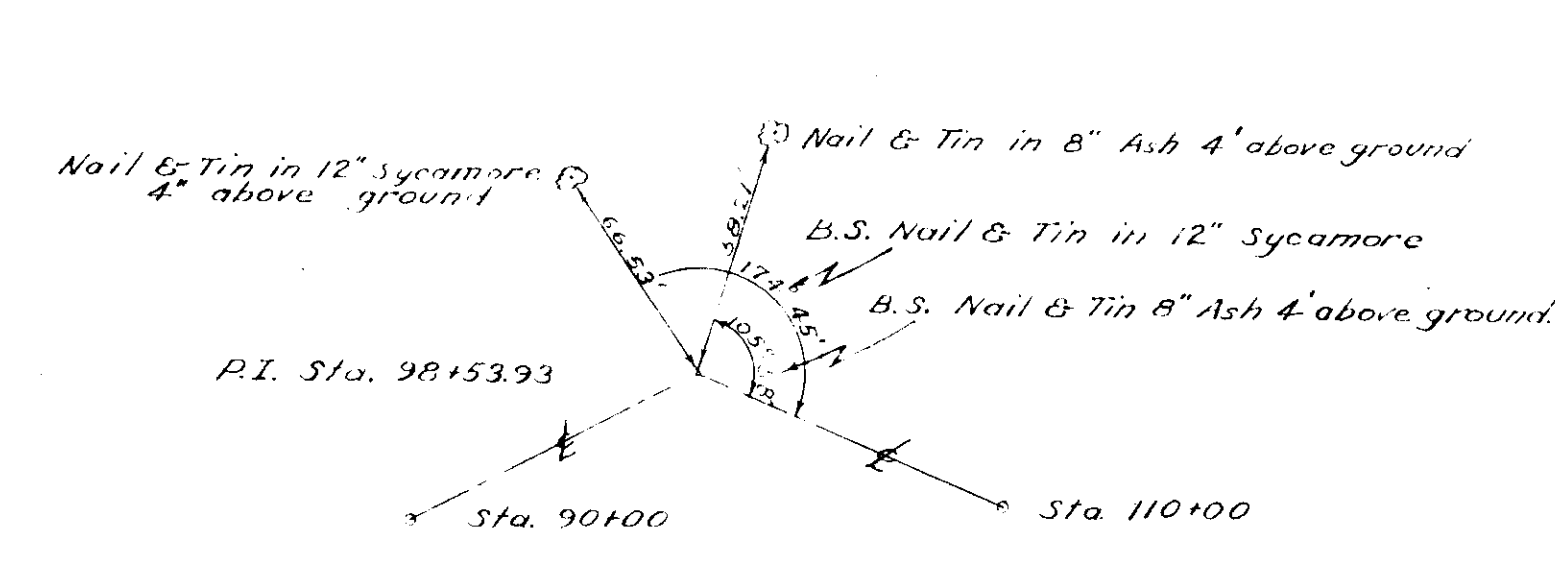
B.M. U.S.G.S.
 bronze plate in
 wall - T-139 State
 Div. Garage elev. 669.62



FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
S	OHIO		

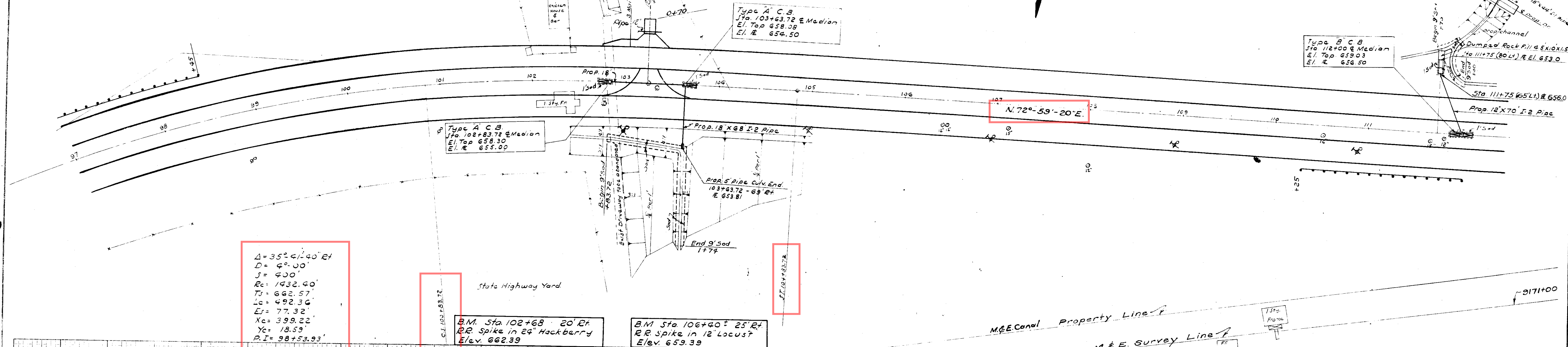
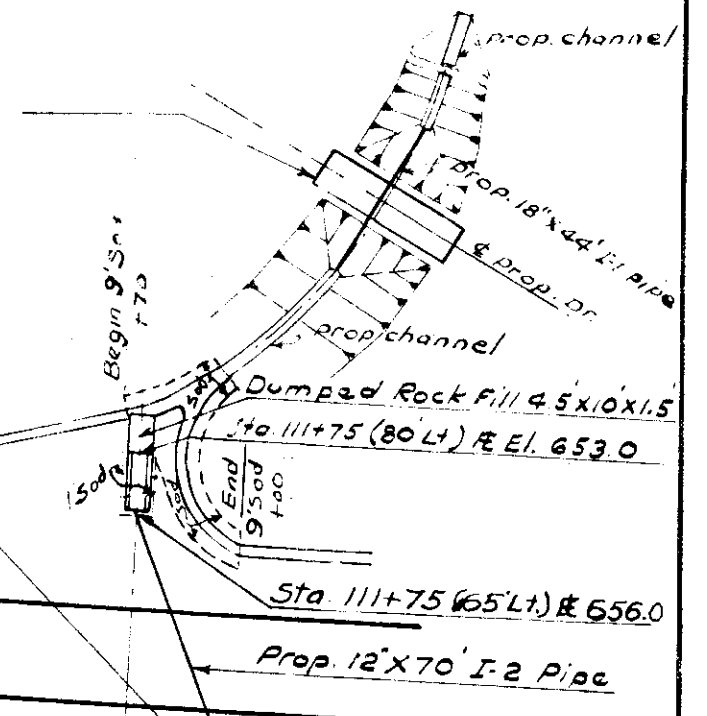
29
327

**BUTLER COUNTY
 BUT. 73 - 22.57
 WARREN COUNTY
 WAR. 73 - 0.00**



For detail See Sheet No 240

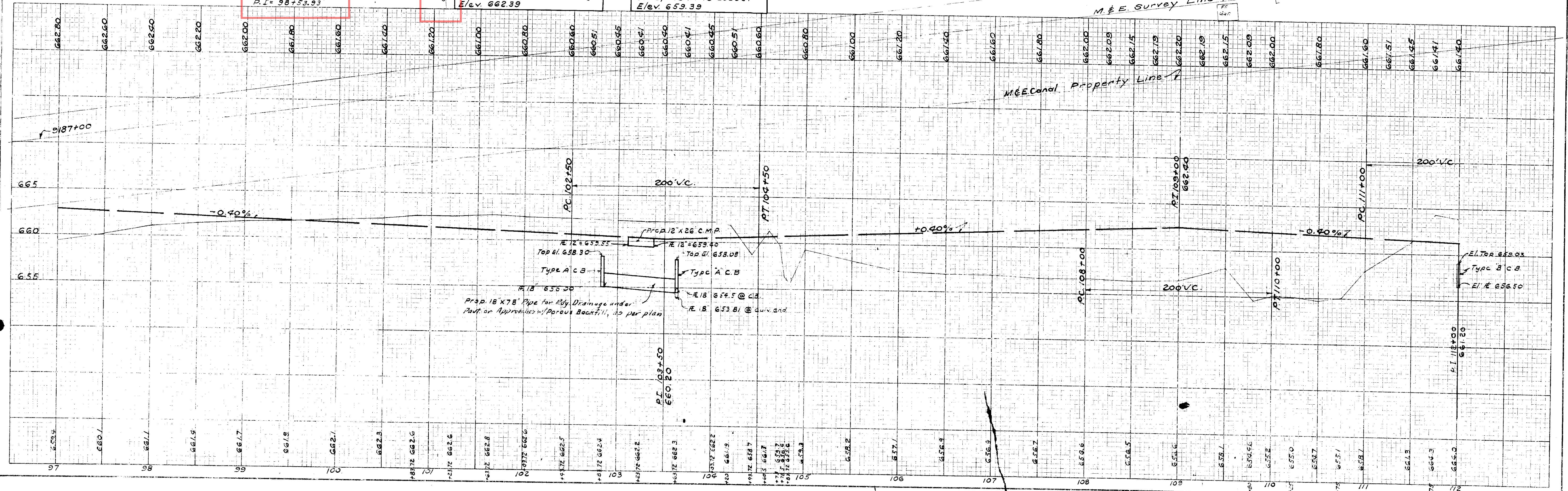
Type A C B
 Sta 112+00 @ Median
 El. Top 659.03
 El. E 656.50



$\Delta = 35^\circ 41' 40'' E$
 $D = 400'$
 $S = 400'$
 $R_c = 1432.40'$
 $T_1 = 662.57'$
 $L_c = 492.36'$
 $E_1 = 77.32'$
 $X_c = 399.22'$
 $Y_c = 18.59'$
 $P.I. = 98+53.93'$

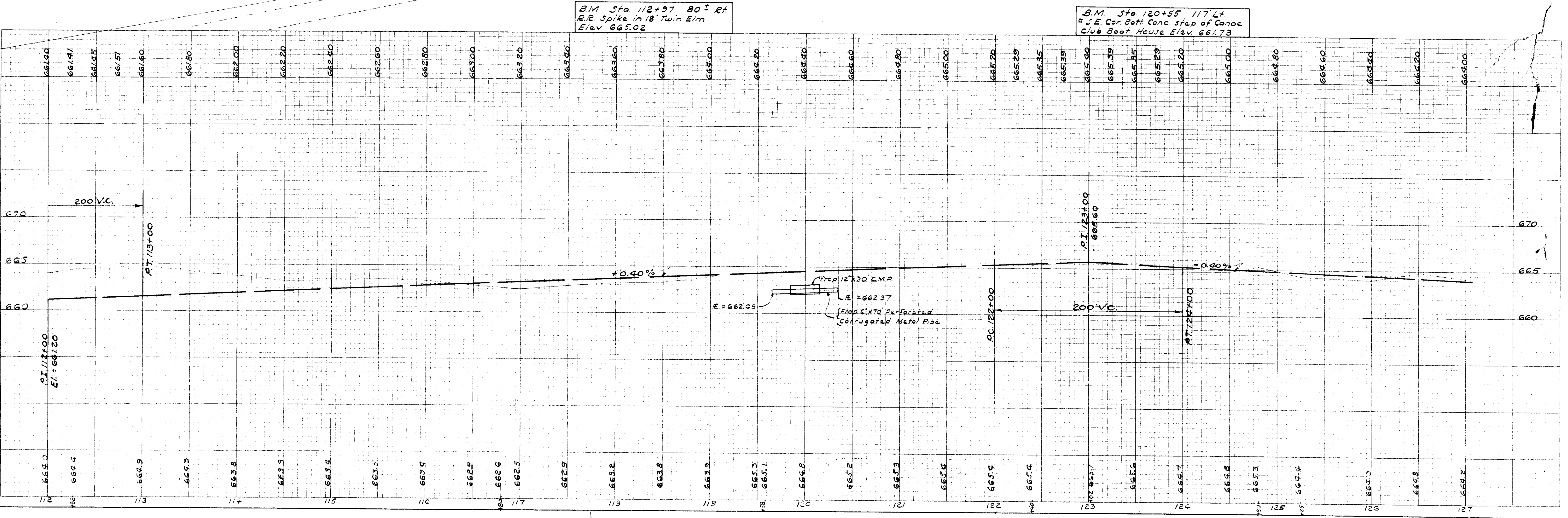
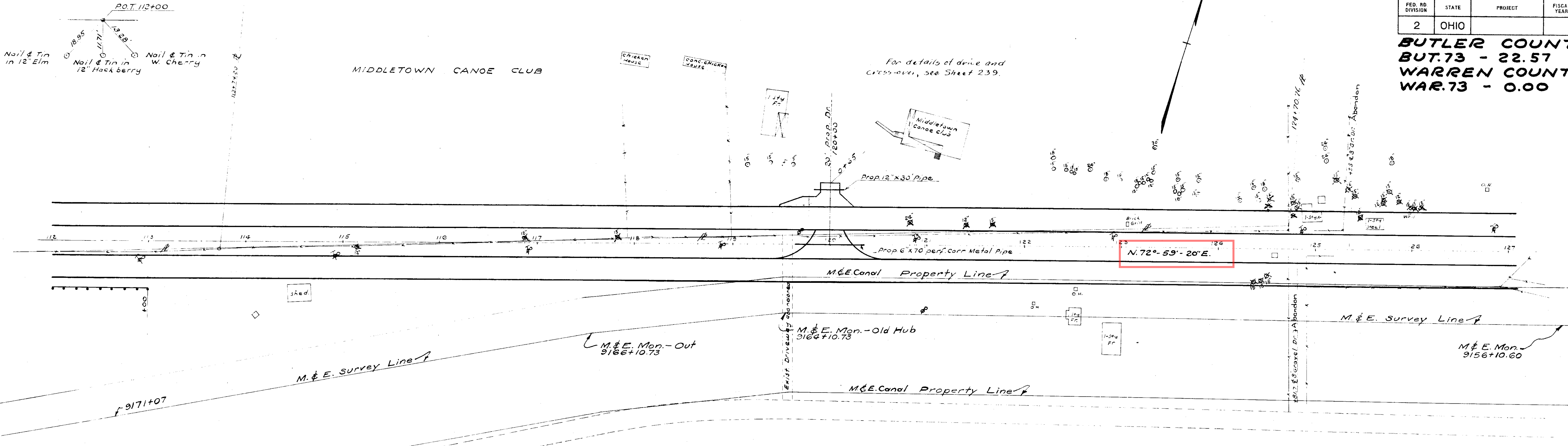
B.M. Sta 102+68 20' E
 R.R. Spike in 24" Hackberry
 E/ev. 662.39

B.M. Sta 106+40 25' E
 R.R. Spike in 12" Locust
 E/ev. 659.39

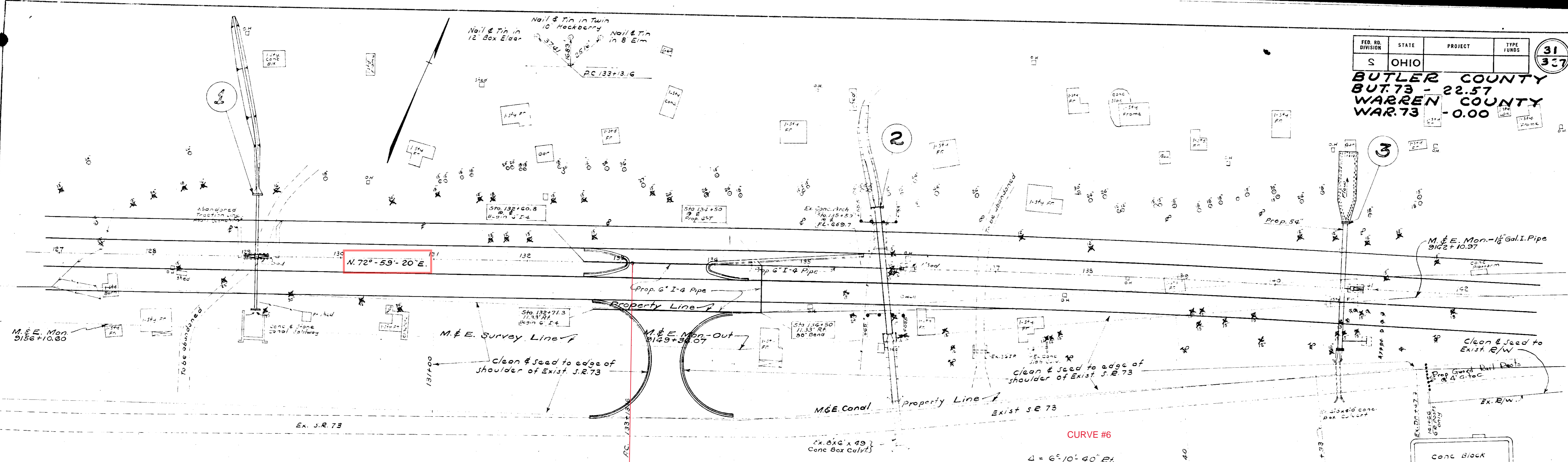


FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		30

BUTLER COUNTY
BUT.73 - 22.57
WARREN COUNTY
WAR.73 - 0.00



STA. 112+00 To STA. 127+00

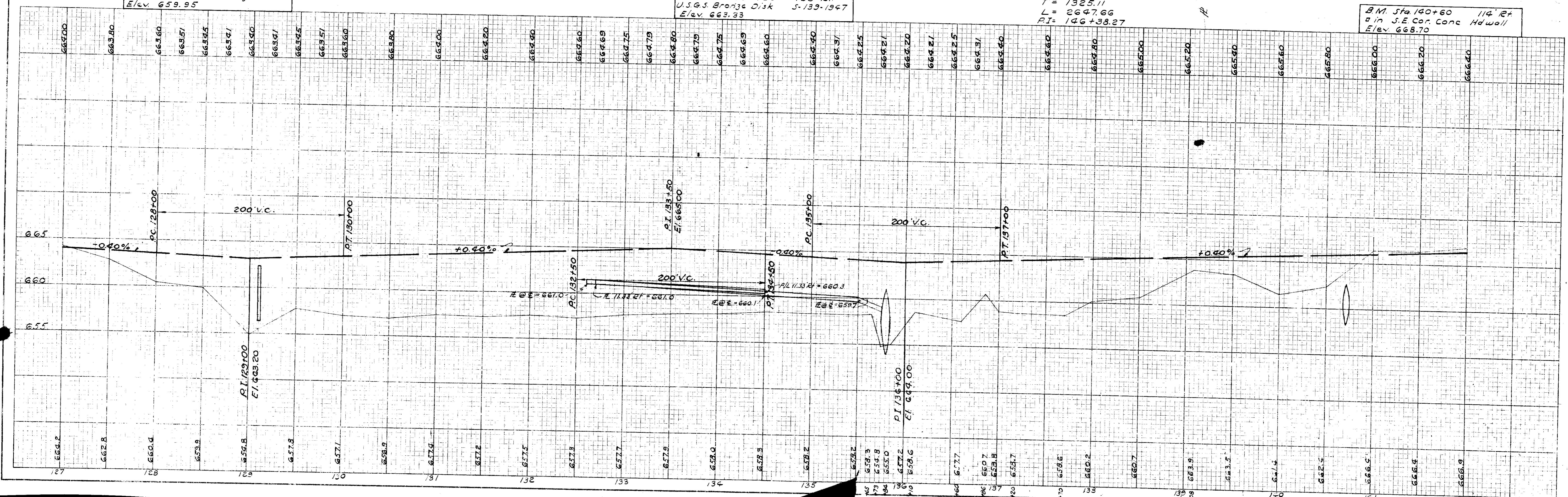


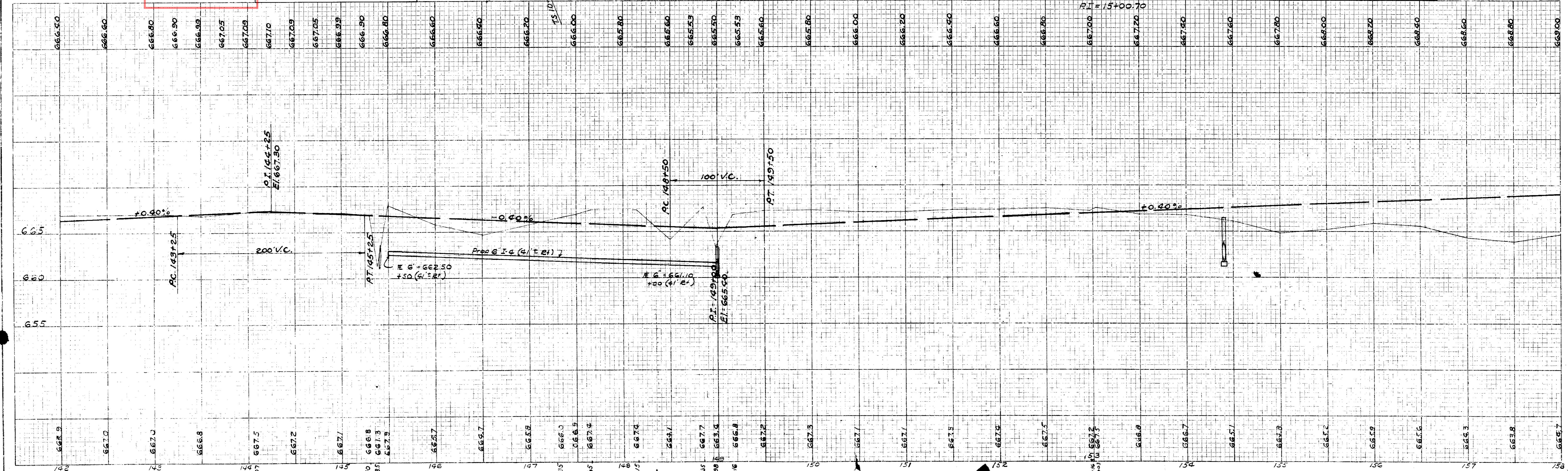
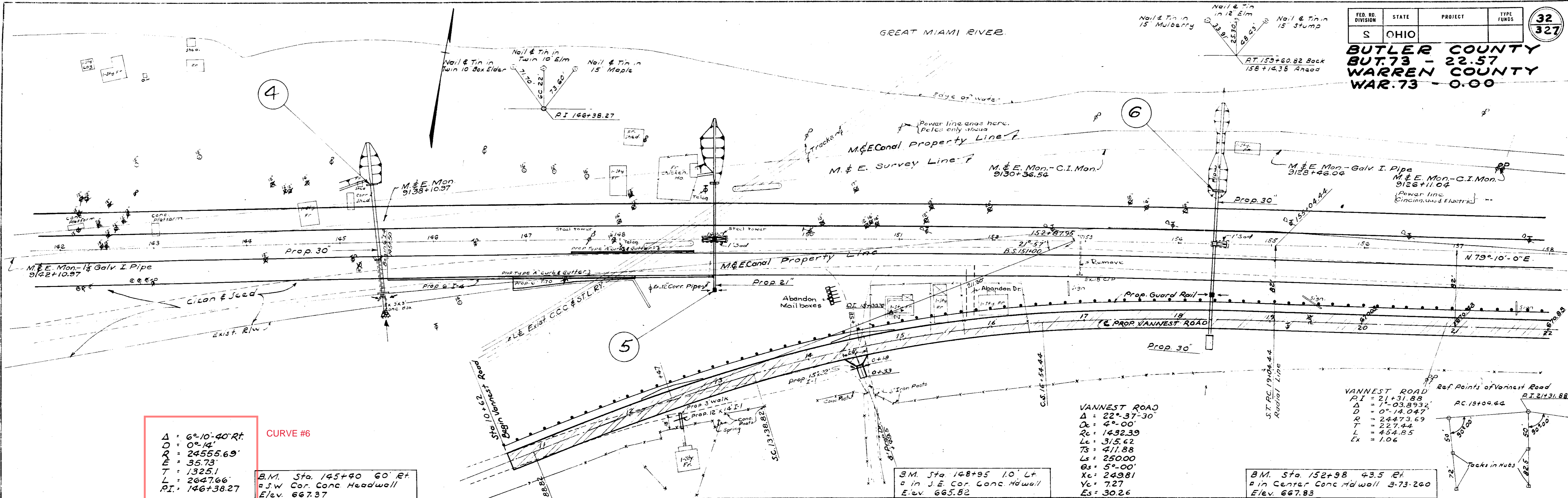
B.M. Sta 129+75 150' Lt
 R.R. Spike in 30 Honey Locust
 Elev. 659.95

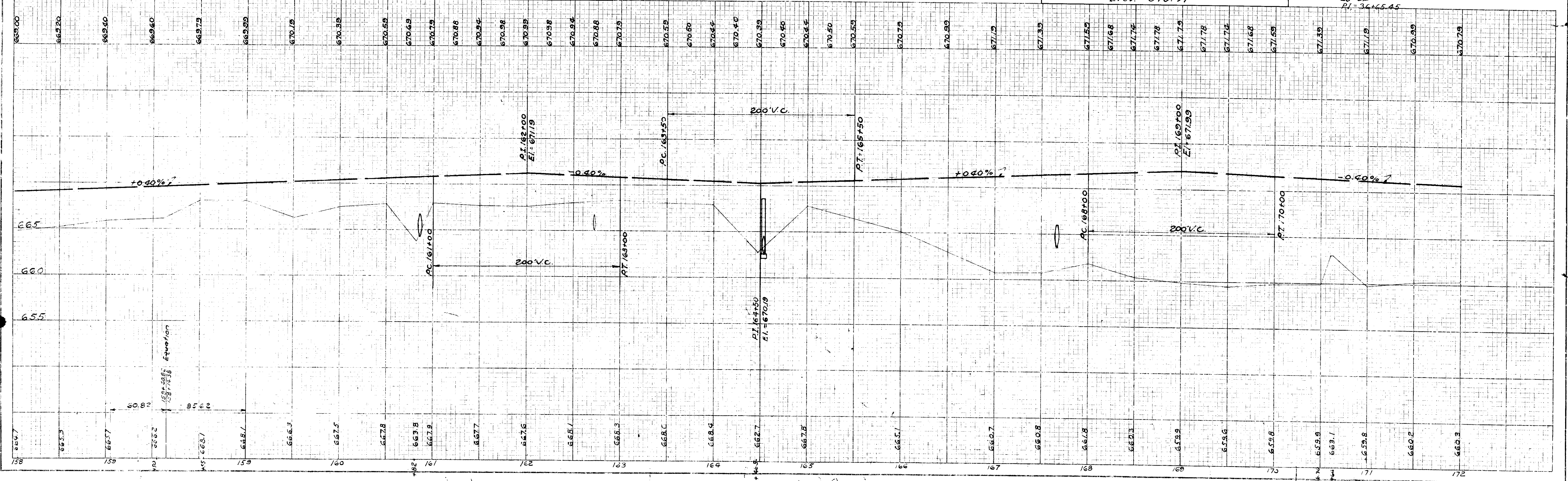
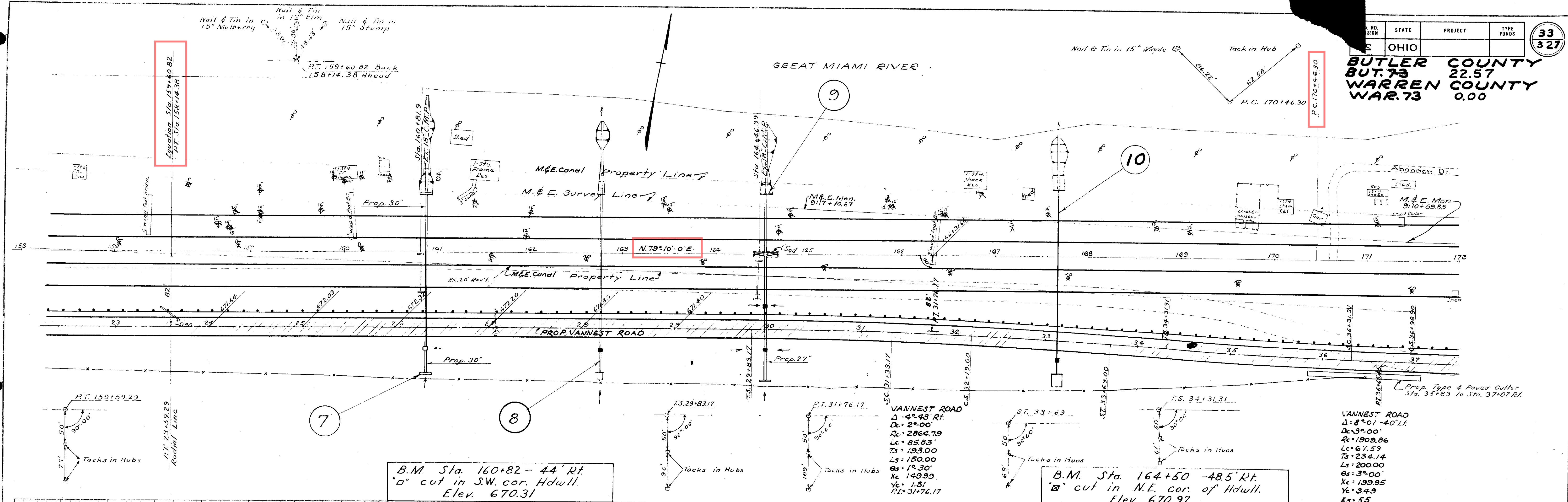
B.M. Sta 135+80 193' Rt
 U.S.G.S. Bronze Disk S-133-1947
 Elev. 663.33

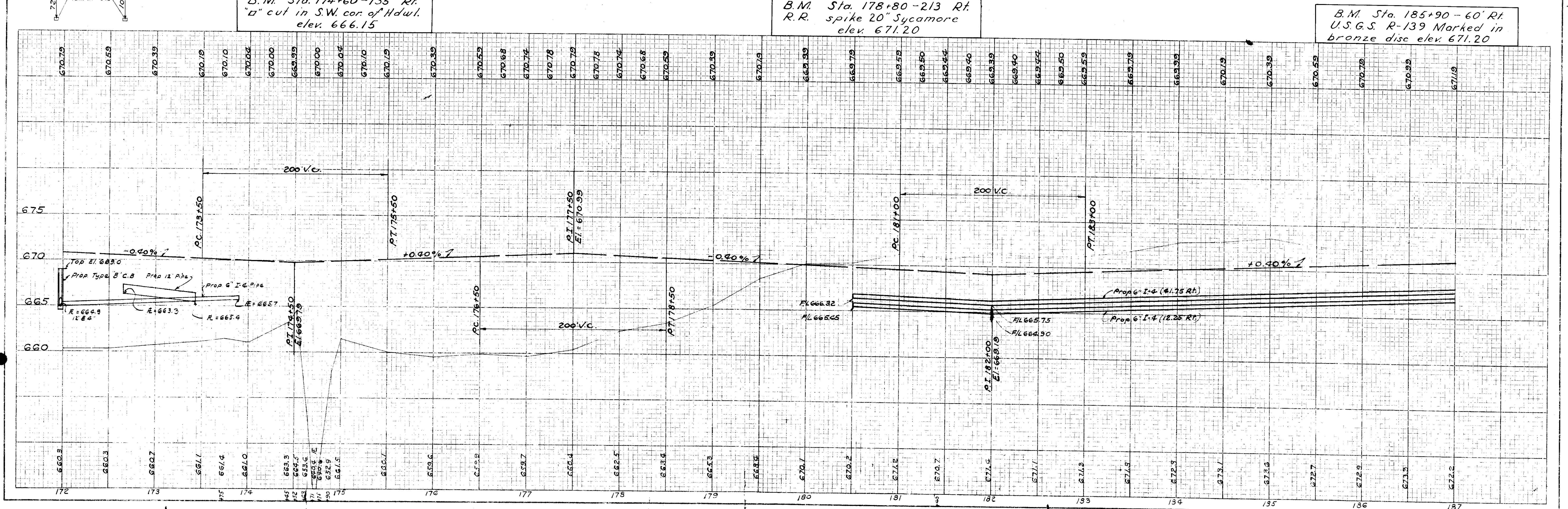
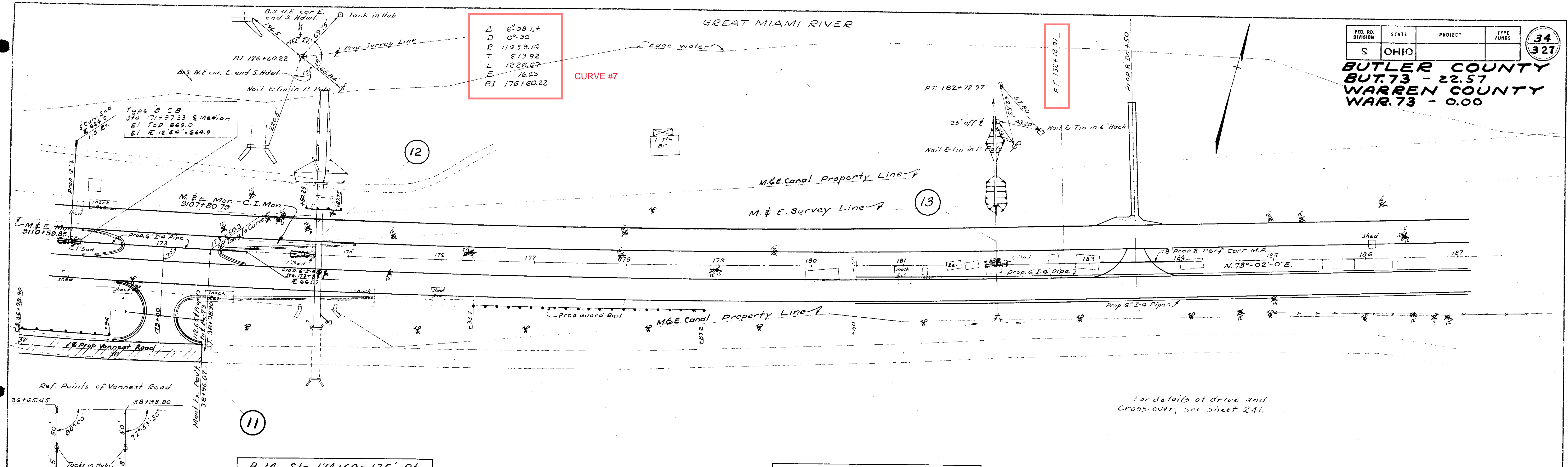
CURVE #6
 $\Delta = 6^{\circ}10'40''$ Bl.
 $D = 0^{\circ}14'$
 $R = 24555.69'$
 $E = 35.73'$
 $T = 1325.11'$
 $L = 2647.66'$
 $PI = 146+38.27$

B.M. Sta 140+60 114' Rt
 in S.E. Cor. Conc. Hdwall
 Elev. 668.70









B.M. Sta. 174+60 - 135' Rt.
 "D" cut in S.W. cor. of Hdwl.
 elev. 666.15

B.M. Sta. 178+80 - 213 Rt.
 R.R. spike 20" Sycamore
 elev. 671.20

B.M. Sta. 185+90 - 60' Rt.
 U.S.G.S. R-139 Marked in
 bronze disc elev. 671.20

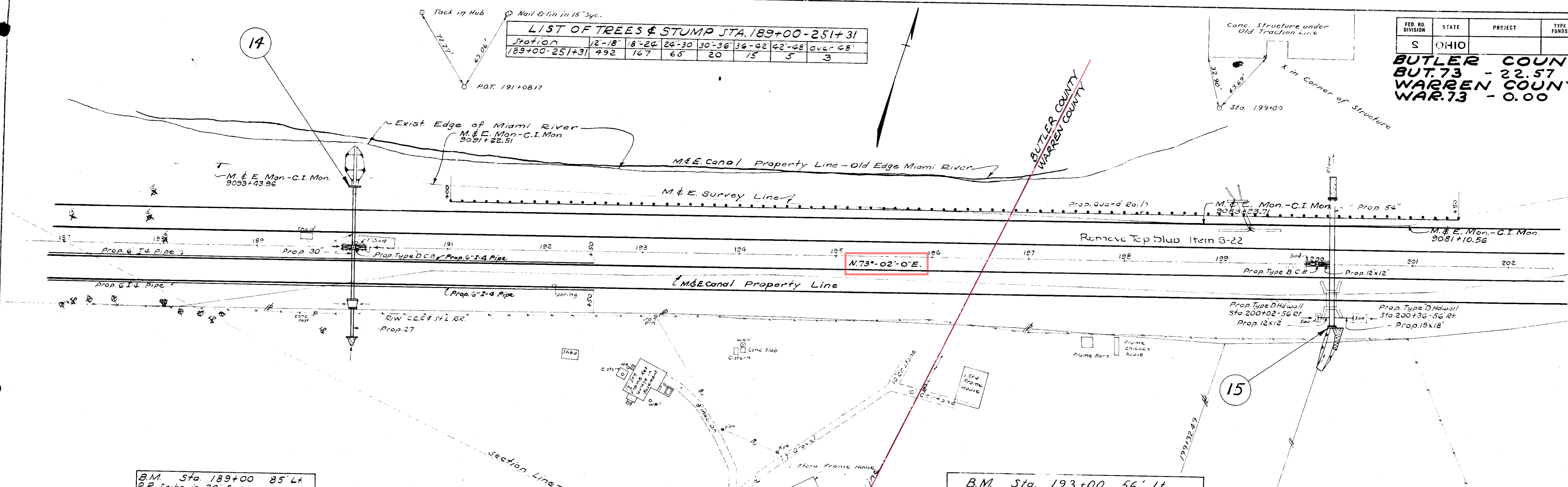
For details of drive and
 cross-over, see sheet 241.

LIST OF TREES & STUMP STA. 189+00-251+31

Station	12-18"	18-24"	24-30"	30-36"	36-42"	42-48"	Over 48"
189+00-251+31	492	167	65	20	15	5	3

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
S	OHIO		

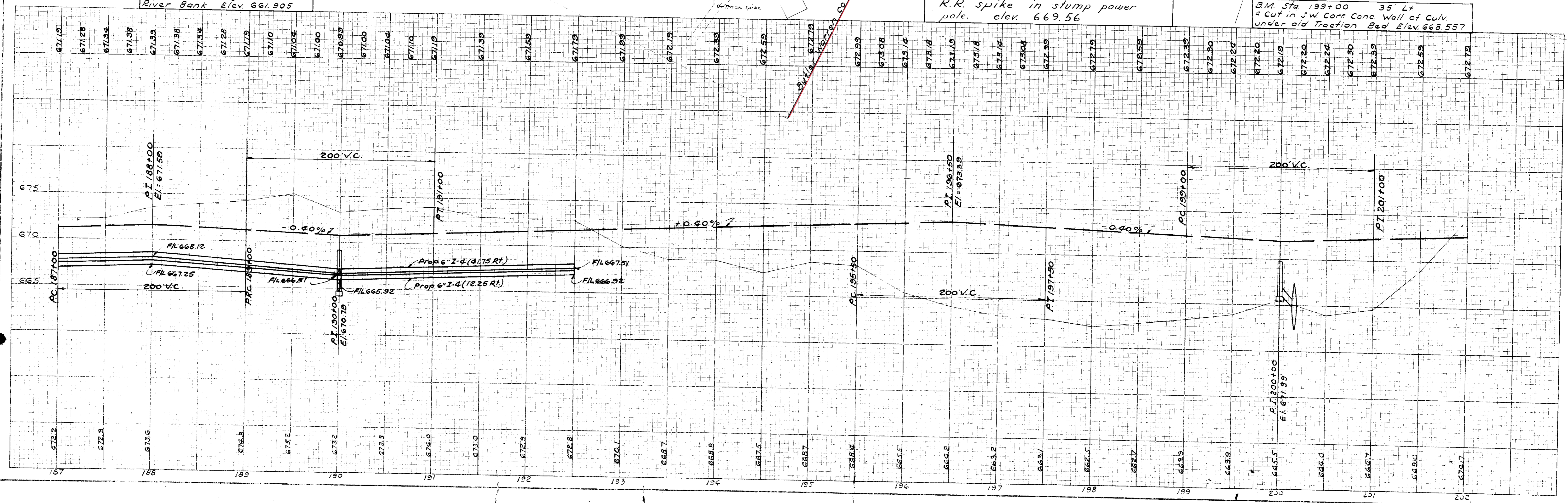
**BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00**



B.M. Sta. 189+00 85' Lt.
R.R. Spike in 20' sycamore on
River Bank Elev. 661.905

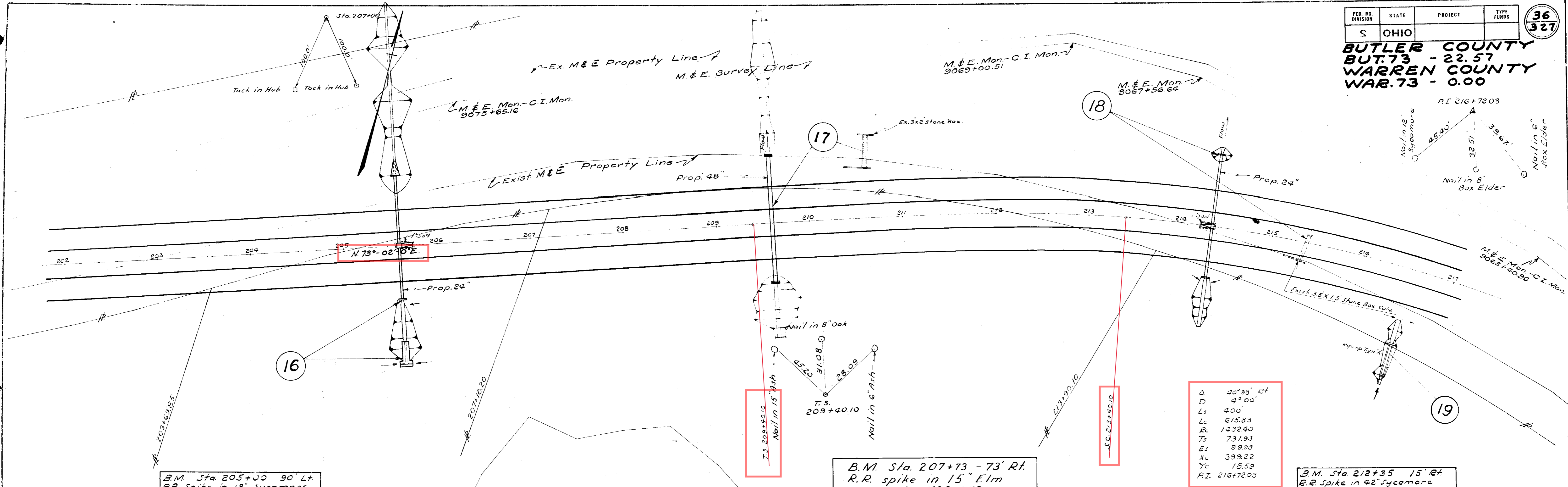
B.M. Sta. 193+00 56' Lt.
R.R. spike in stump power
pole. elev. 669.56

B.M. Sta. 199+00 35' Lt.
a cut in S.W. Corr. Conc. Wall of Culv.
under old Traction Bed Elev. 668.557



STA. 187+00 TO STA. 202+00

BUTLER COUNTY
 BUT.73 - 22.57
 WARREN COUNTY
 WAR.73 - 0.00

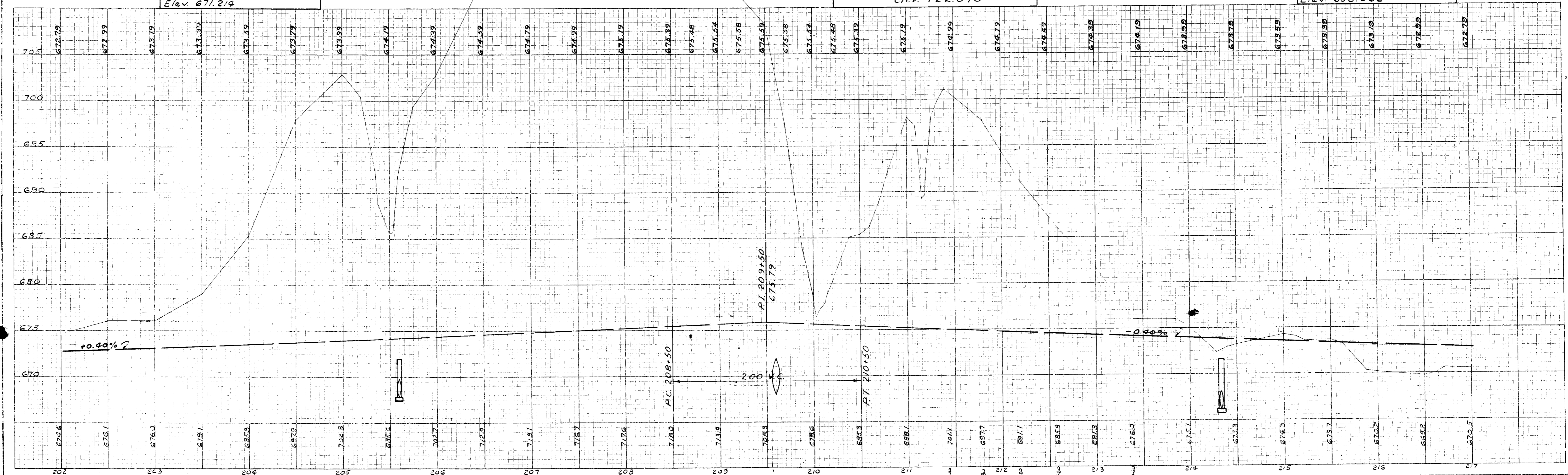


B.M. Sta 205+00 90' Lt
 R.R. Spike in 18" Sycamore
 Elev. 671.214

B.M. Sta. 207+73 - 73' Rt.
 R.R. spike in 15" Elm
 elev. 722.073

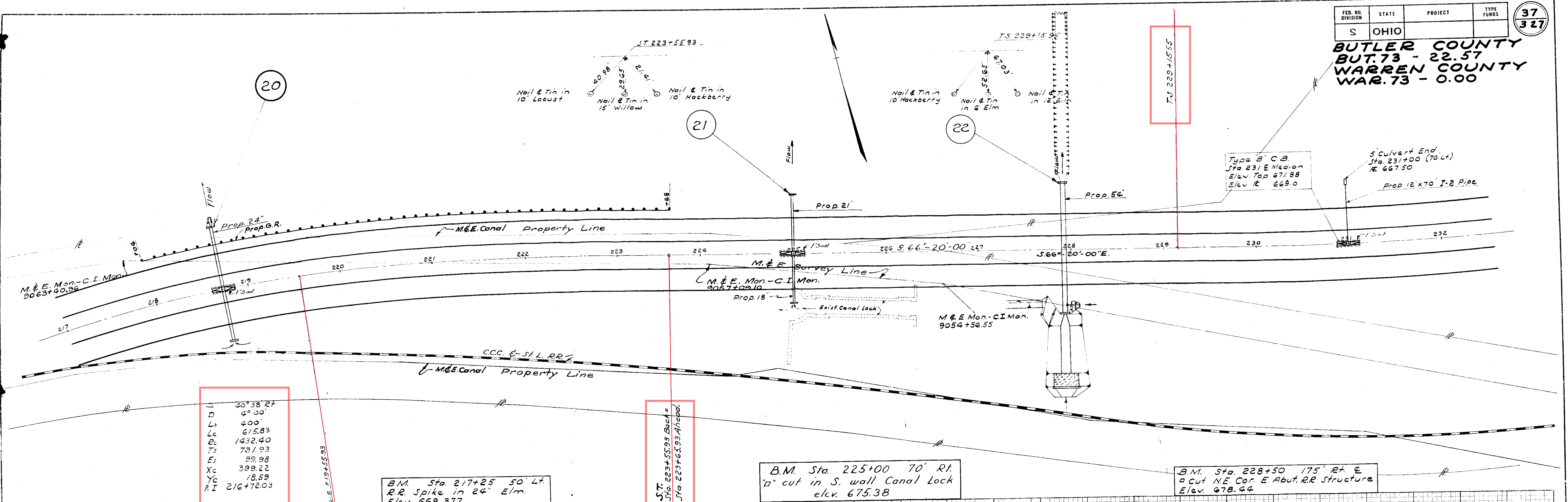
B.M. Sta 212+35 15' Rt
 R.R. Spike in 42" Sycamore
 Elev. 698.062

Δ	30°35' Rt
D	4°00'
Ls	400'
Rc	615.83
Ts	1432.40
Tt	731.93
Xc	399.22
Yc	18.59
P.I.	21672.03



STA. 202+00 To STA. 217+00

BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00



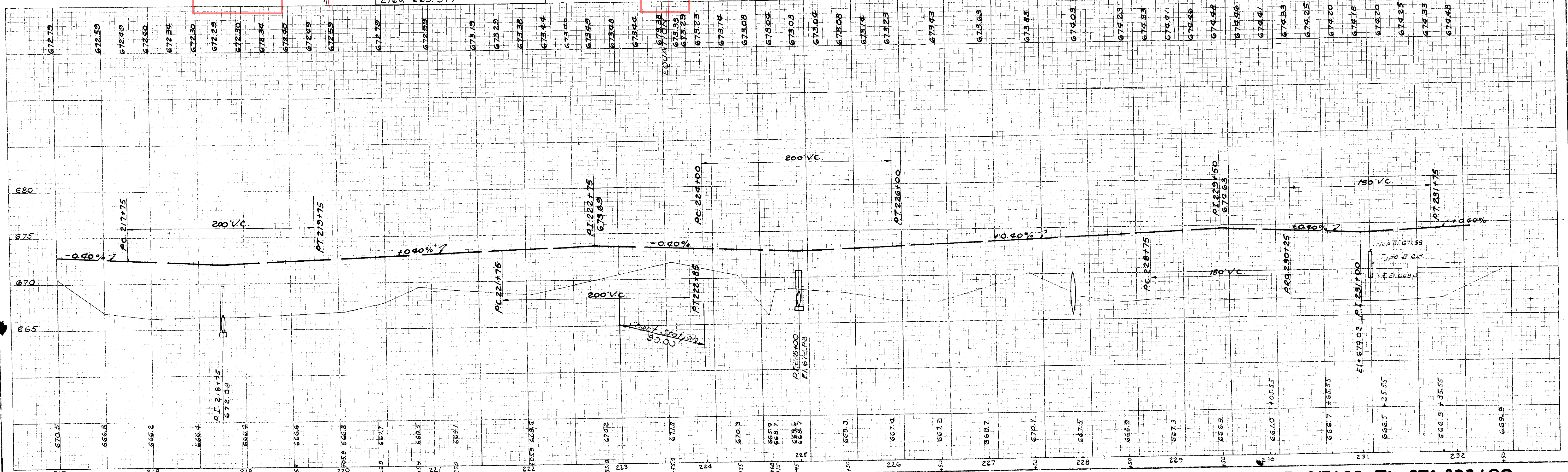
L 30° 38' 21"
 D 4° 00'
 Lc 400'
 Lc 615.83
 R 1432.40
 T 731.93
 E 99.98
 Xc 399.22
 Yc 18.59
 P I 216+72.03

B.M. Sta. 217+25 50' Lt.
 R.R. Spike in 24" Elm.
 Elev. 669.377

S.T. Sta. 223+55.99 Back =
 Sta. 223+65.93 A/hebd.

B.M. Sta. 225+00 70' Rt.
 "d" cut in S. wall Canal Lock
 elev. 675.38

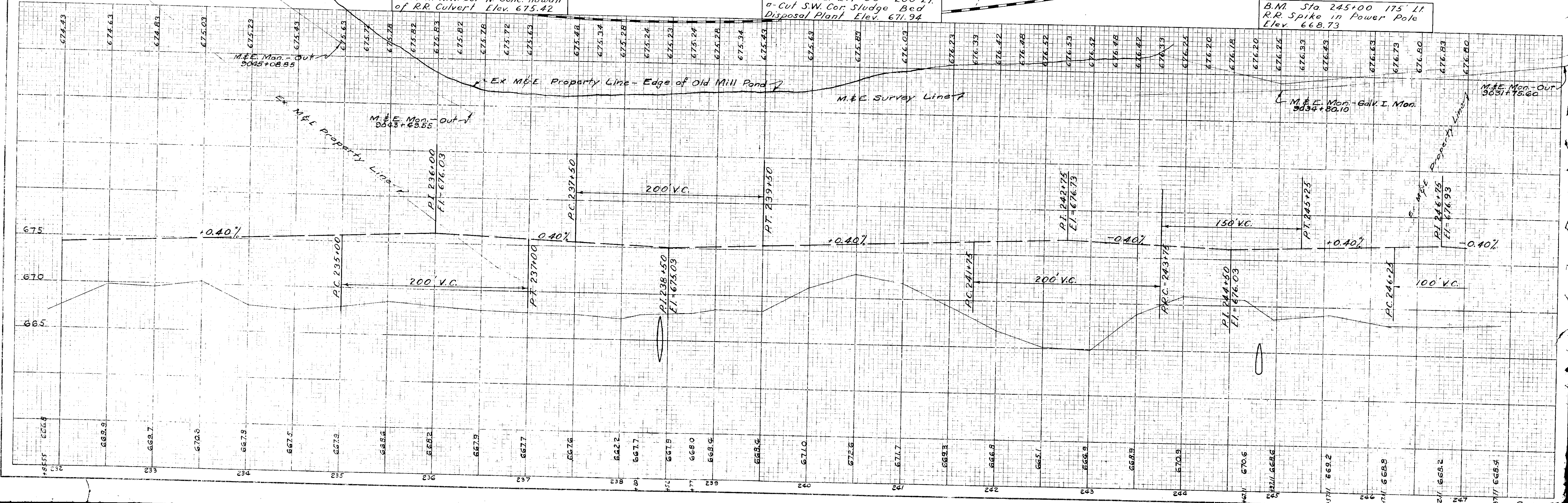
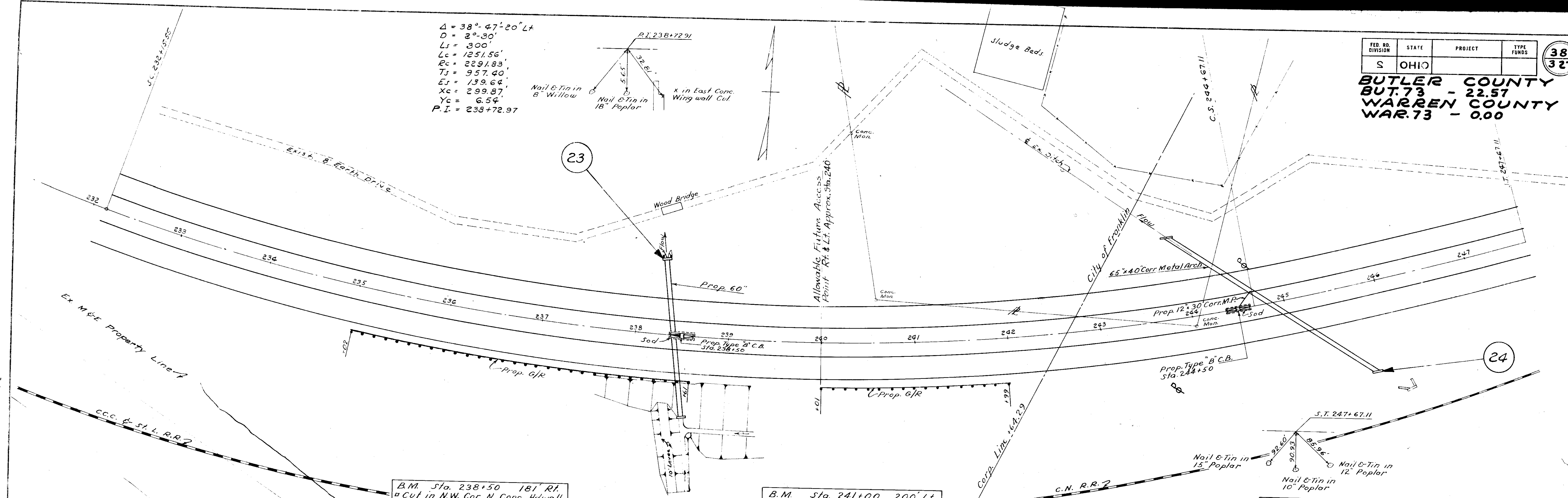
B.M. Sta. 228+50 175' Rt. &
 a Cut NE Cor. E. Abut. RR Structure
 Elev. 678.44



STA 217+00 TO STA 232+00

$\Delta = 38^\circ - 47' - 20''$ Lt
 $D = 2^\circ - 30'$
 $L_c = 1251.56'$
 $R_c = 2291.83'$
 $T_s = 957.40'$
 $E_s = 139.64'$
 $X_c = 299.87'$
 $Y_c = 6.54'$
 $P.I. = 238+72.97$

Nail & Tin in 8" Willow
 Nail & Tin in 18" Poplar
 x in East Conc. Wing wall Cul.



B.M. Sta. 238+50 181' Rt.
 a-Cut in N.W. Cor. N. Conc. Hdwall
 of R.R. Culvert Elev. 675.42

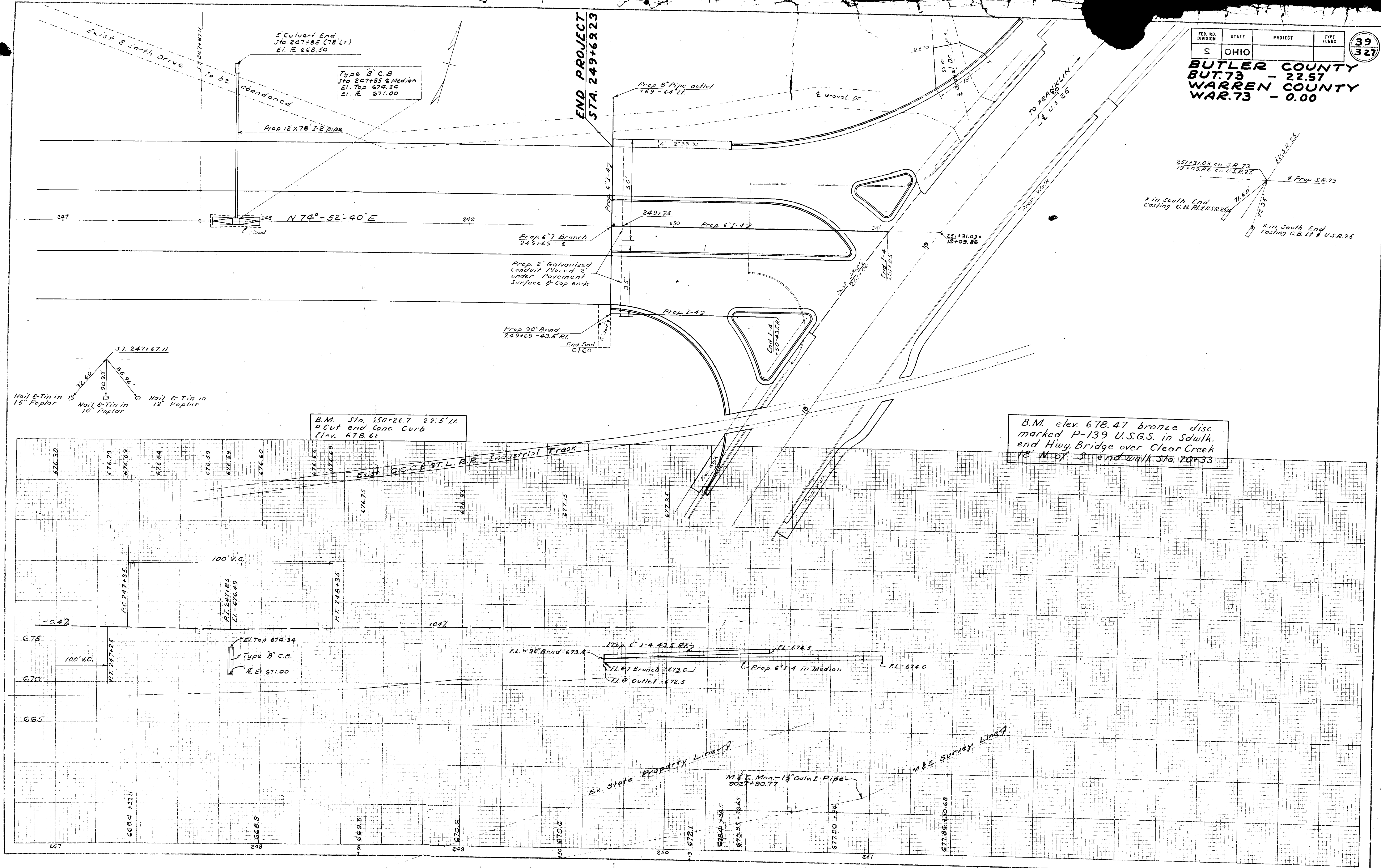
B.M. Sta. 241+00 200' Lt.
 a-Cut S.W. Cor. Sludge Bed
 Disposal Plant Elev. 671.94

B.M. Sta. 245+00 175' Lt.
 R.R. Spike in Power Pole
 Elev. 668.73

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
S	OHIO		

39
327

BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00



END PROJECT
STA. 249+69.23

Type B' C.B.
Sta. 247+85 @ Median
El. Top 679.34
El. R. 671.00

Prop. 2" Galvanized
Conduit Placed 2'
under Pavement
Surface & Cop ends

B.M. elev. 678.47 bronze disc
marked P-139 U.S.G.S. in Sdwlk.
end Hwy. Bridge over Clear Creek
18' N of S. end walk Sta. 20+33

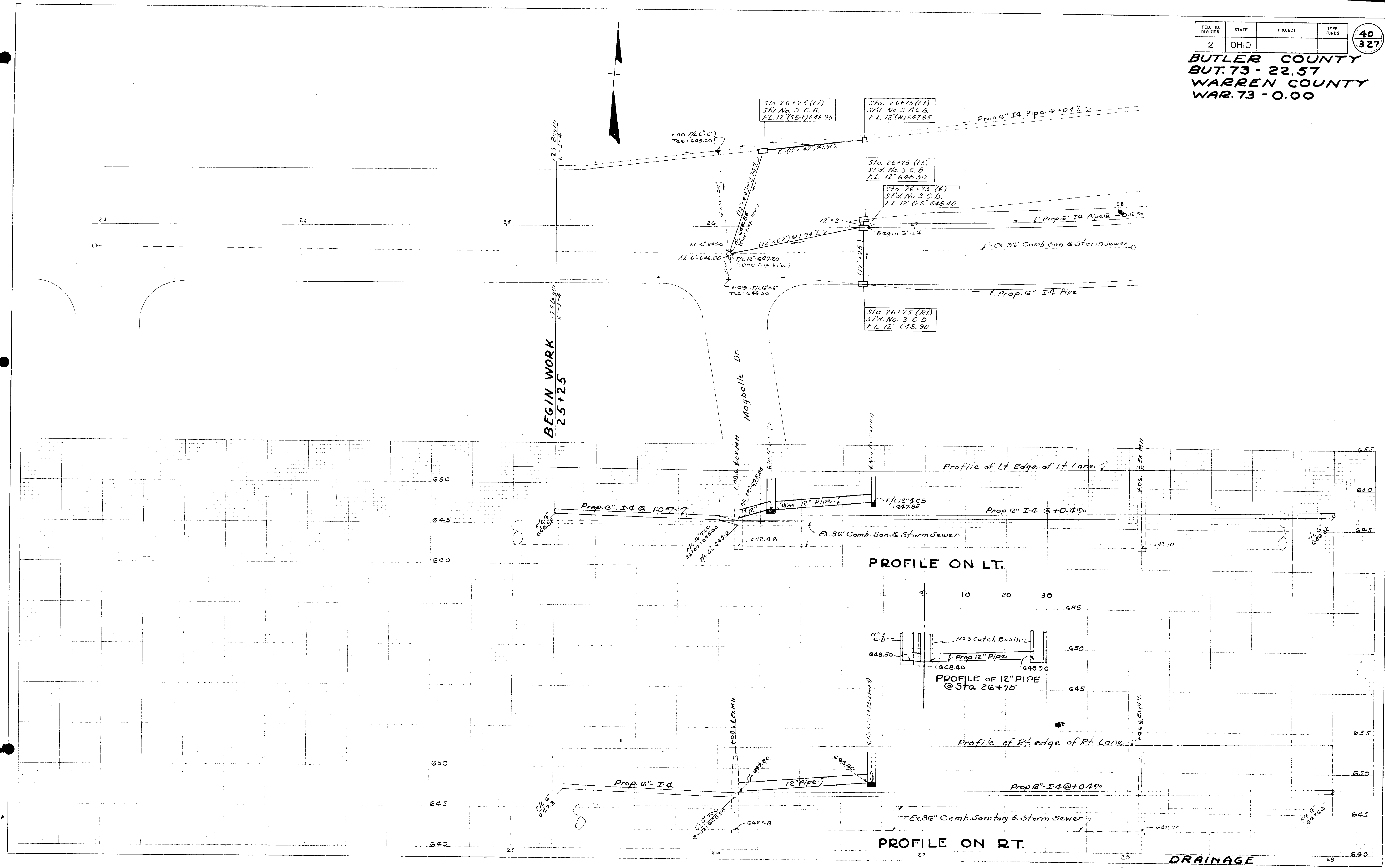
B.M. Sta. 250+26.7 22.5' LH
Cut end Conc. Curb
Elev. 678.61

STA. 247+00 TO STA. 251+31.03

FED. RD DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

40
327

BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00



PROFILE ON LT.

PROFILE OF 12\"/>

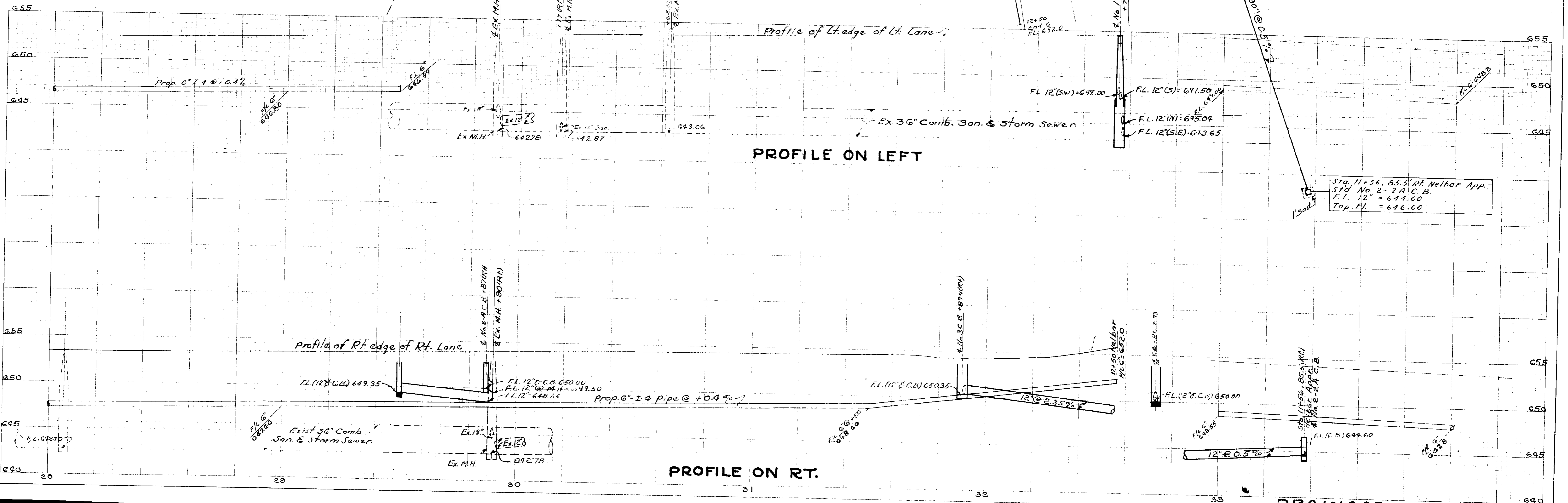
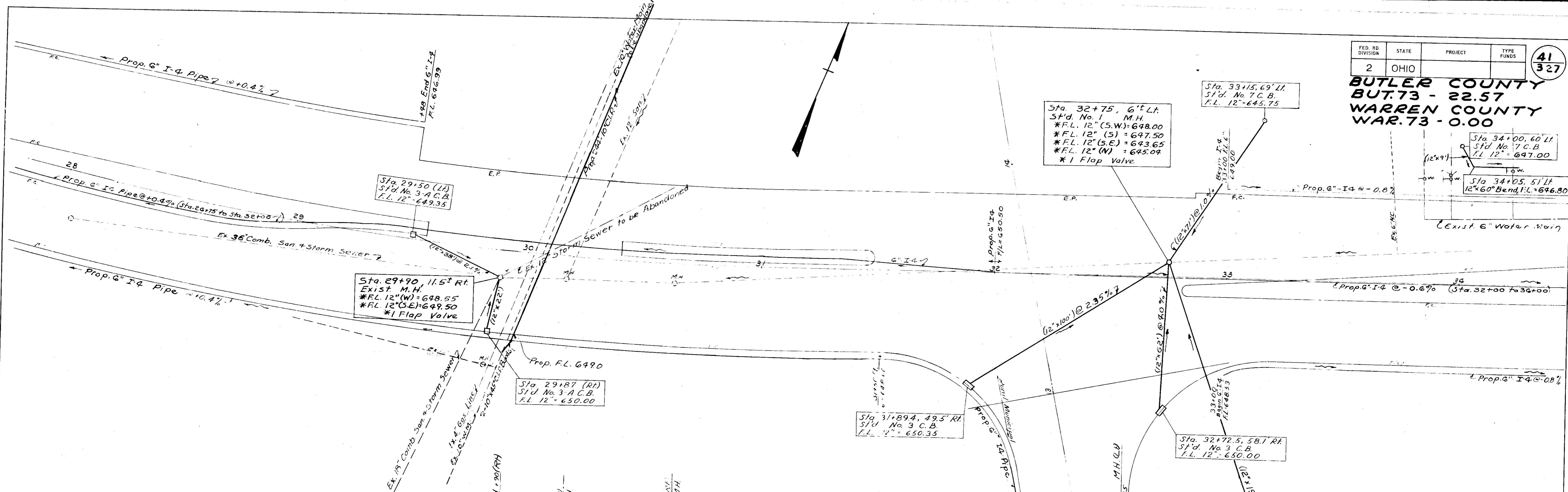
PROFILE ON RT.

DRAINAGE
STA. 23+00 TO STA. 28+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

BUTLER COUNTY
BUT.73 - 22.57
WARREN COUNTY
WAR.73 - 0.00

41
327

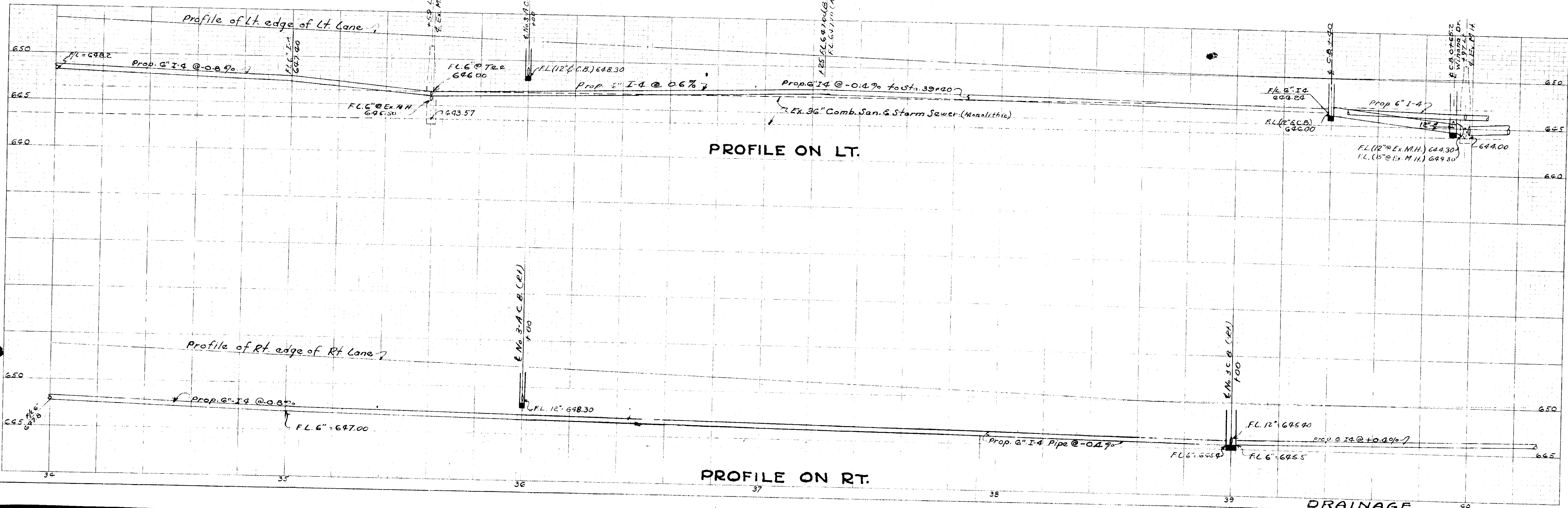
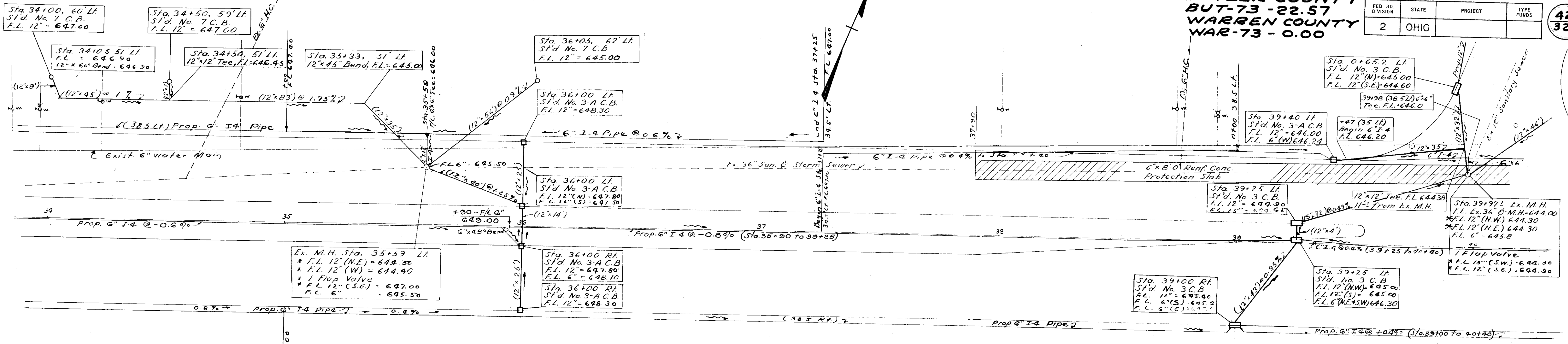


DRAINAGE

**BUTLER COUNTY
BUT-73 - 22.57
WARREN COUNTY
WAR-73 - 0.00**

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

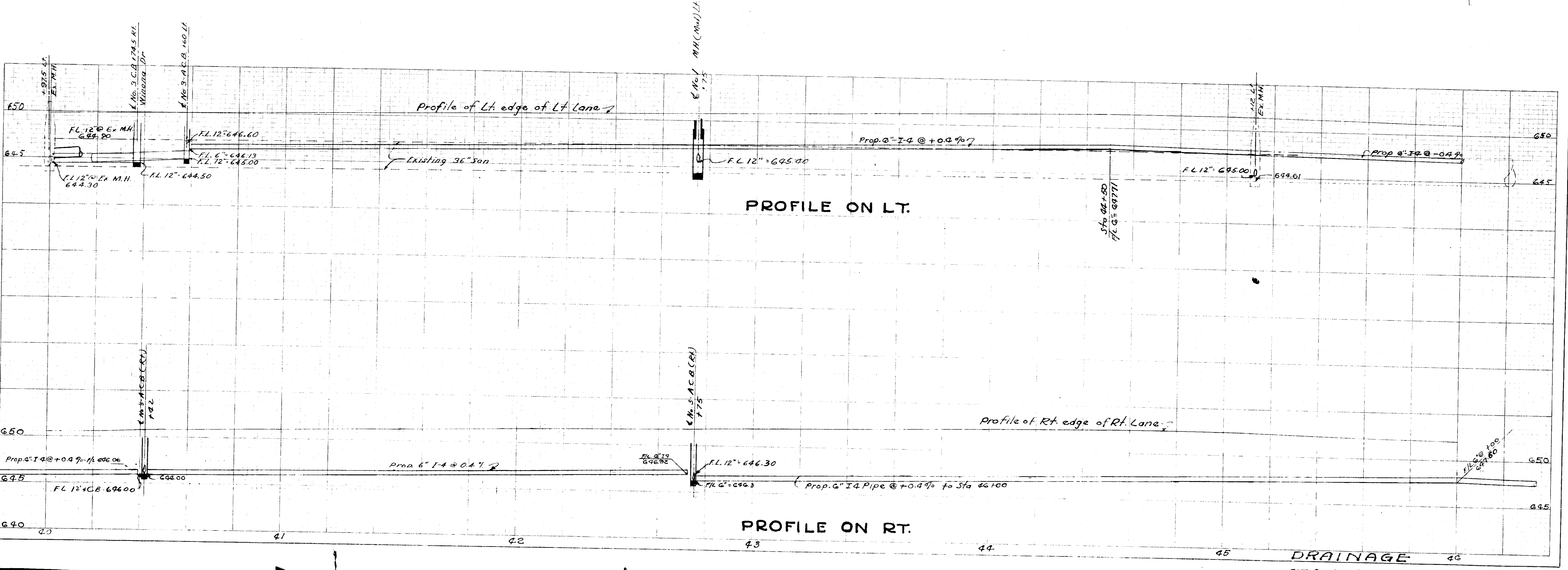
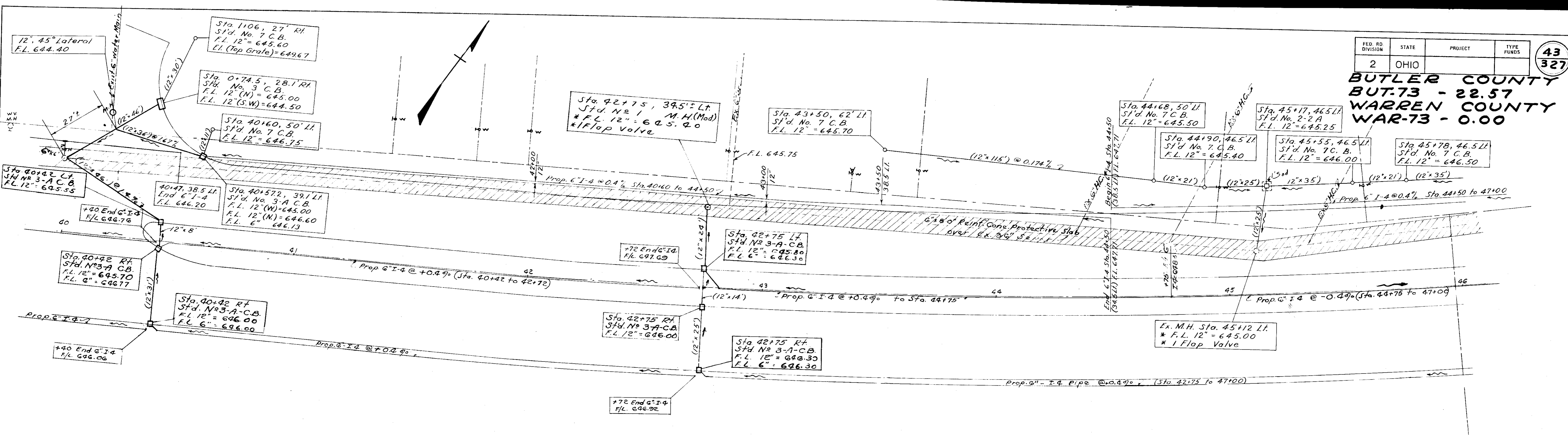
42
327



FED. RD DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

43
327

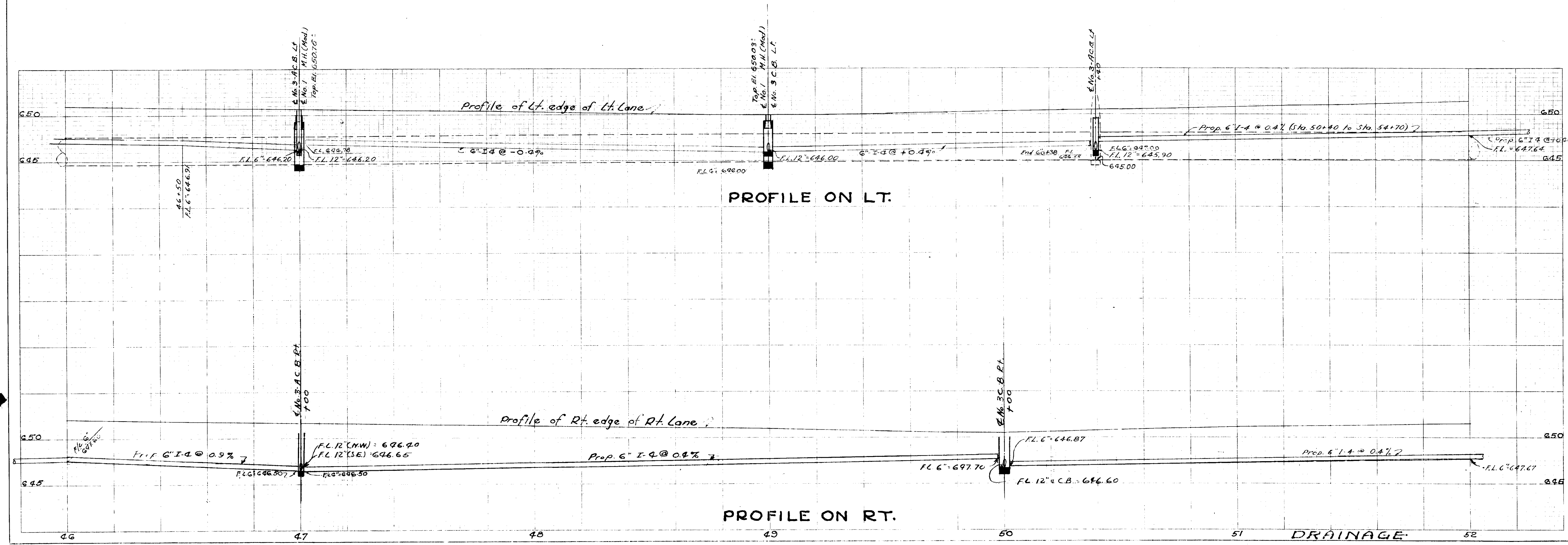
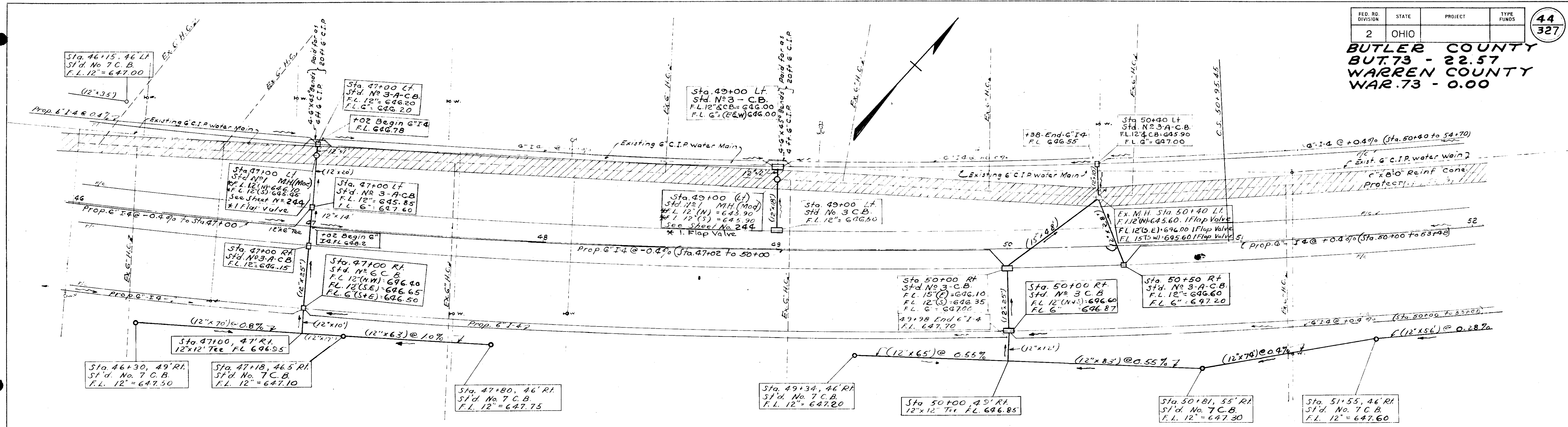
**BUTLER COUNTY
WARREN COUNTY**
BUT-73 - 22.57
WAR-73 - 0.00



FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

44
327

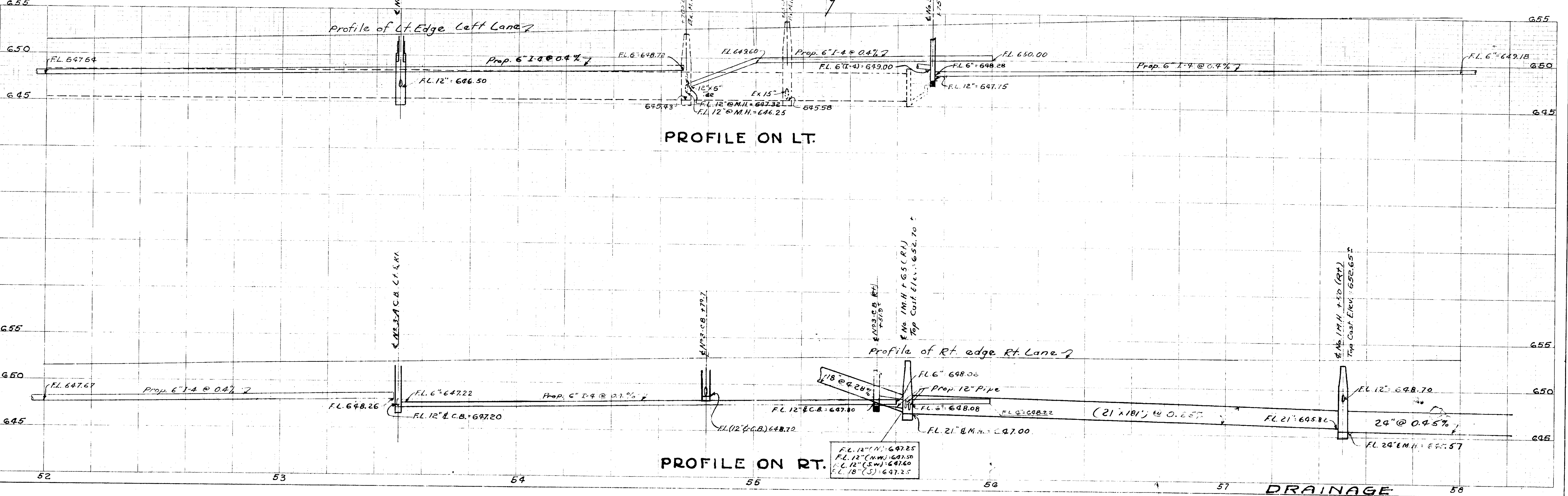
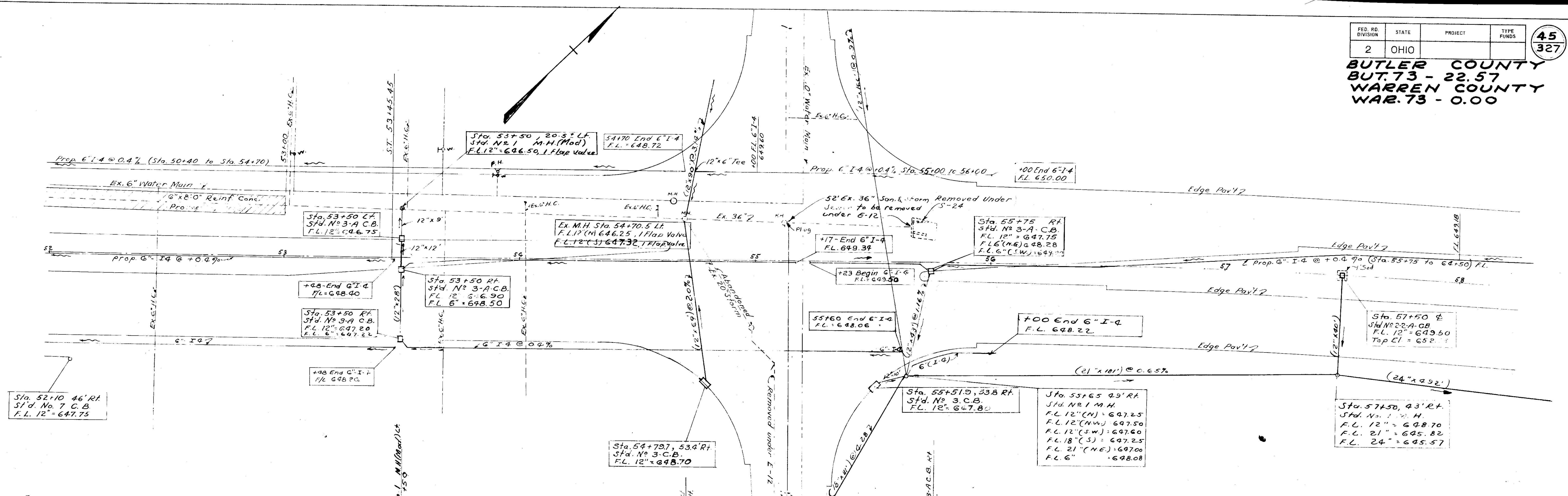
BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00



PROFILE ON RT.

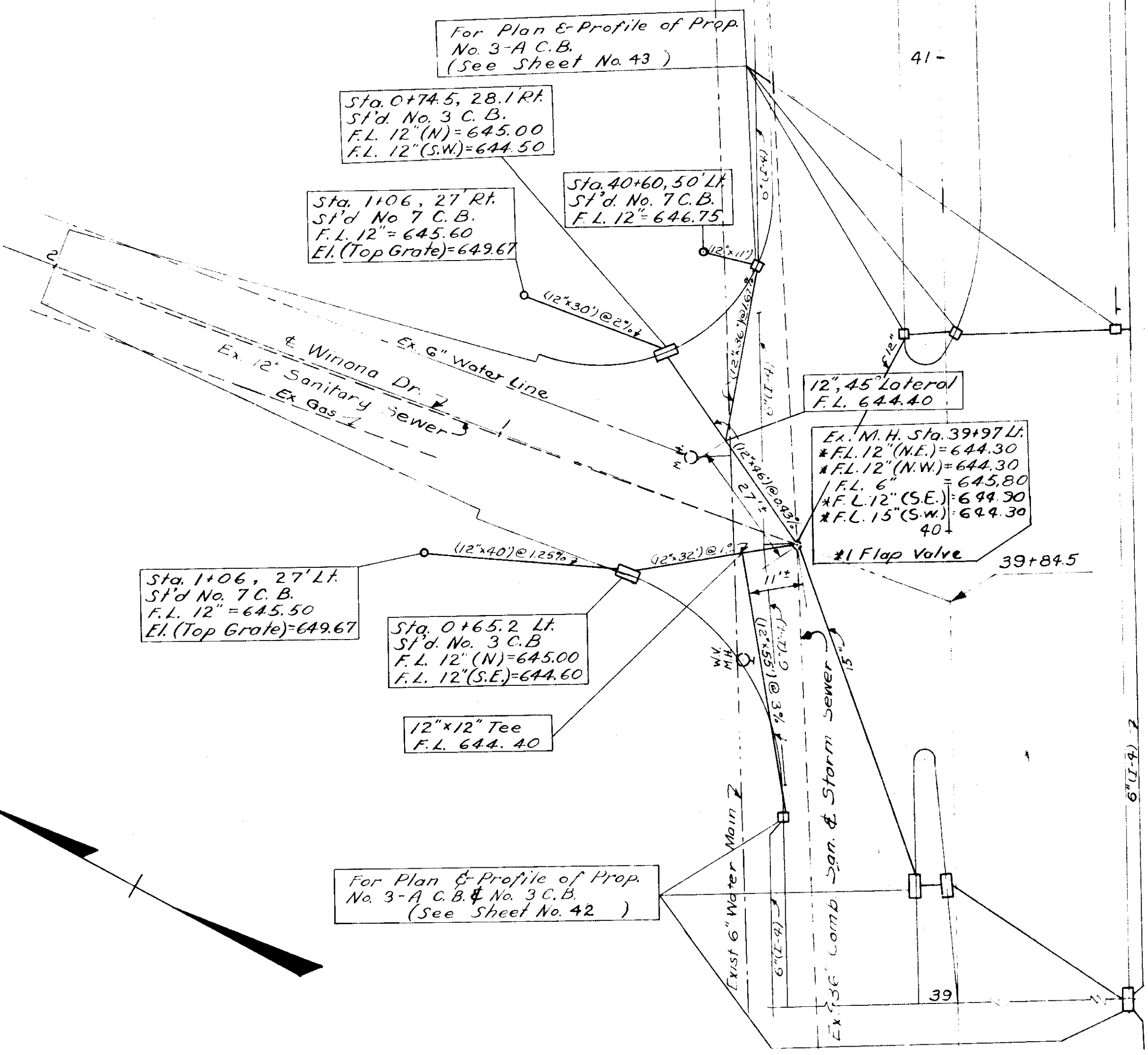
PROFILE ON LT.

DRAINAGE
STA. 46+00 TO STA. 52+00



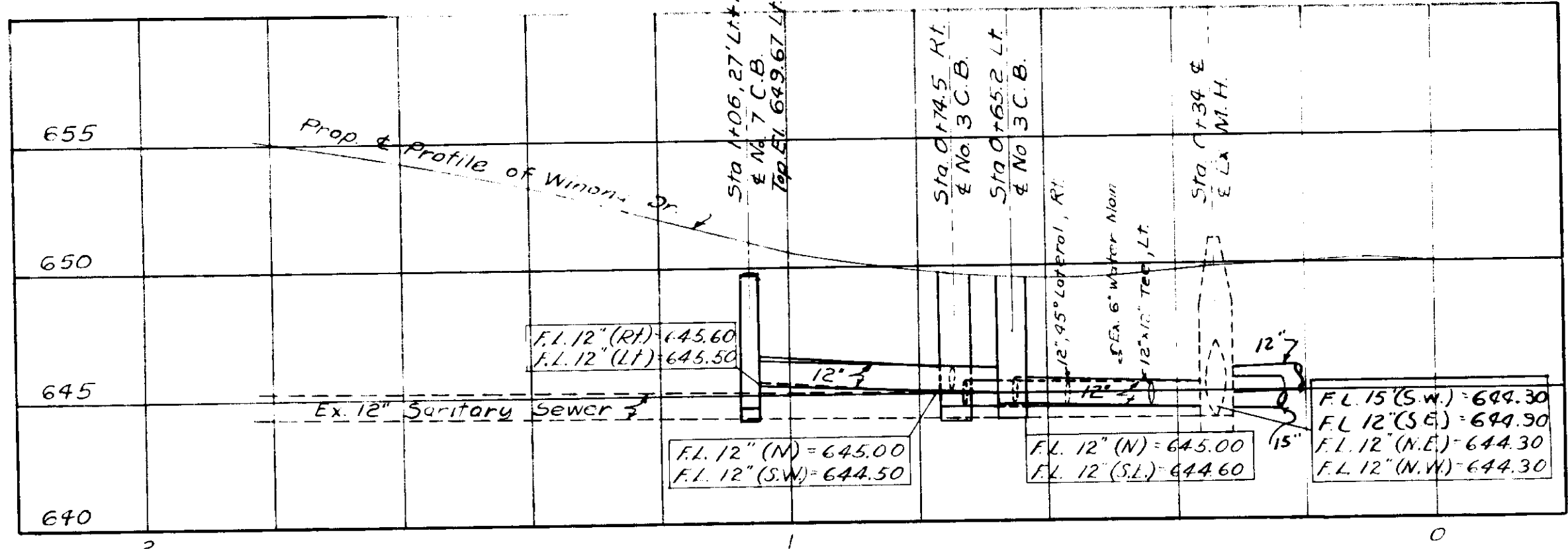
BUTLER COUNTY
BUT.-73 22.57
WARREN COUNTY
WAR.-73 0.00

Sta. 55+65.49' Rt.
Std. No. 1 M.H.
F.L. 12" (N) = 647.25
F.L. 12" (NW) = 647.50
F.L. 18" (S) = 647.60
F.L. 21" (NE) = 647.00
F.L. 6" = 648.08

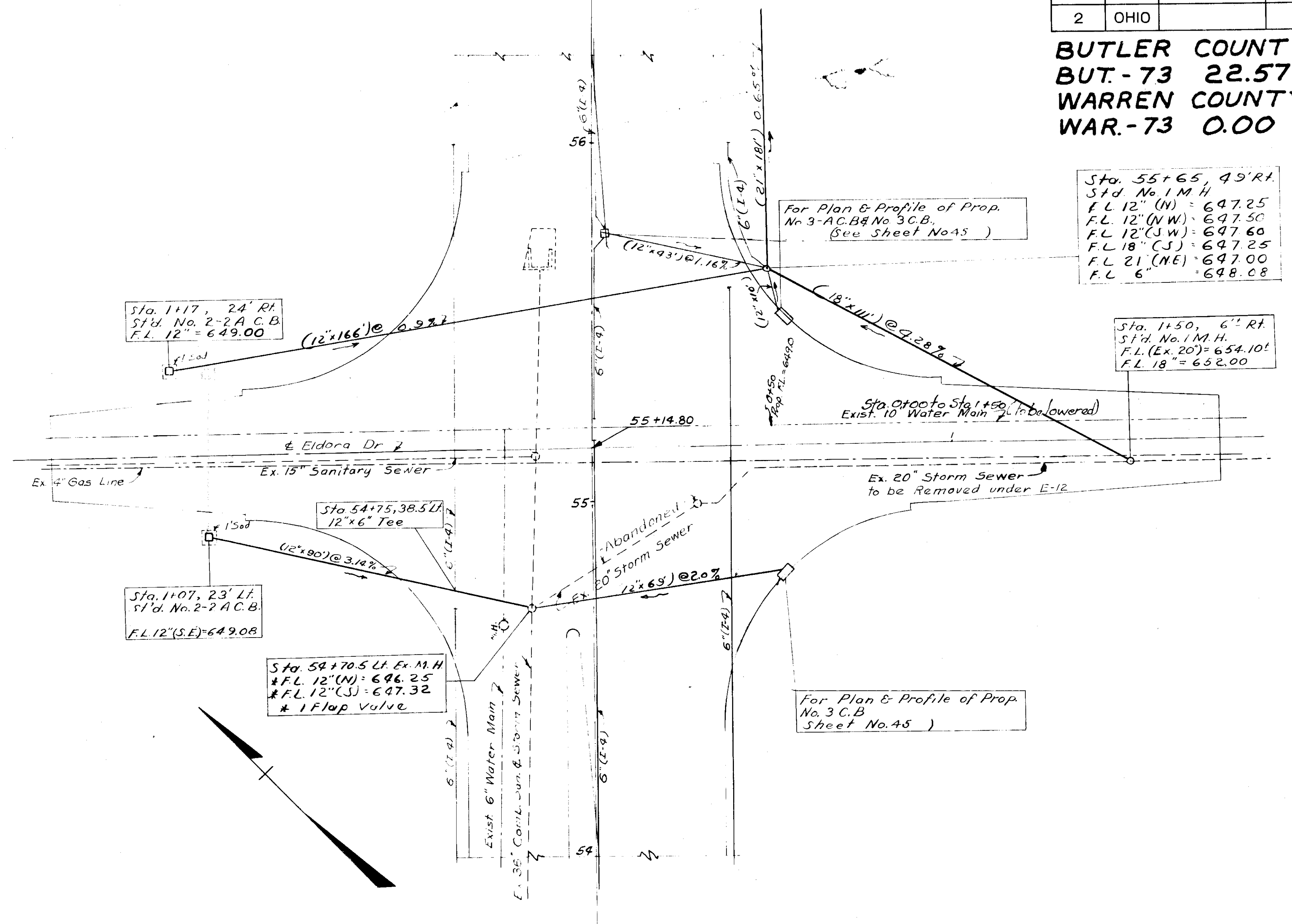


STORM SEWER LAYOUT FOR WINONA DR.

Scale: 1" = 20'

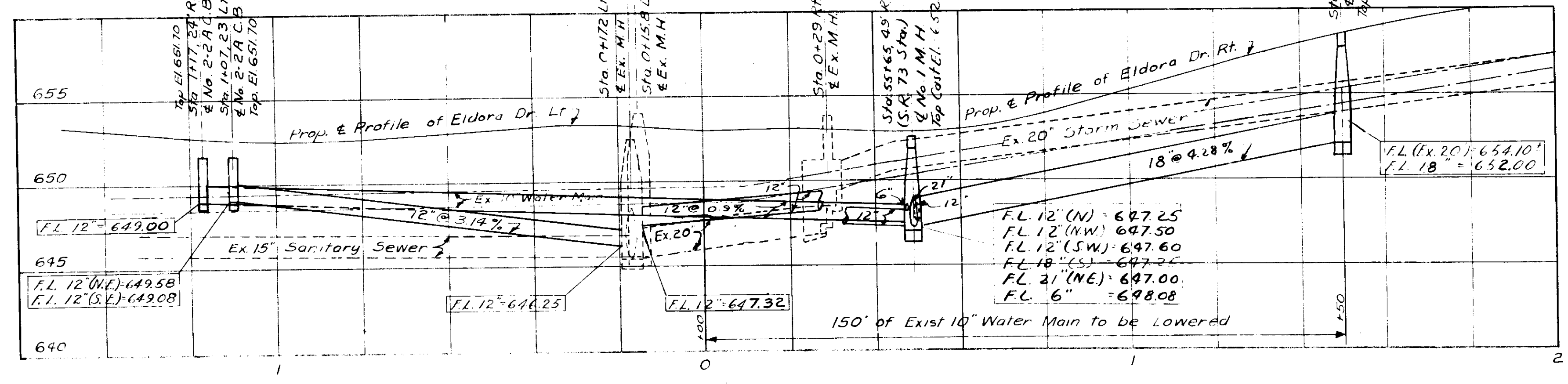


PROFILE
Scale: H: 1" = 20'
V: 1" = 5'



STORM SEWER LAYOUT FOR ELDORA DR.

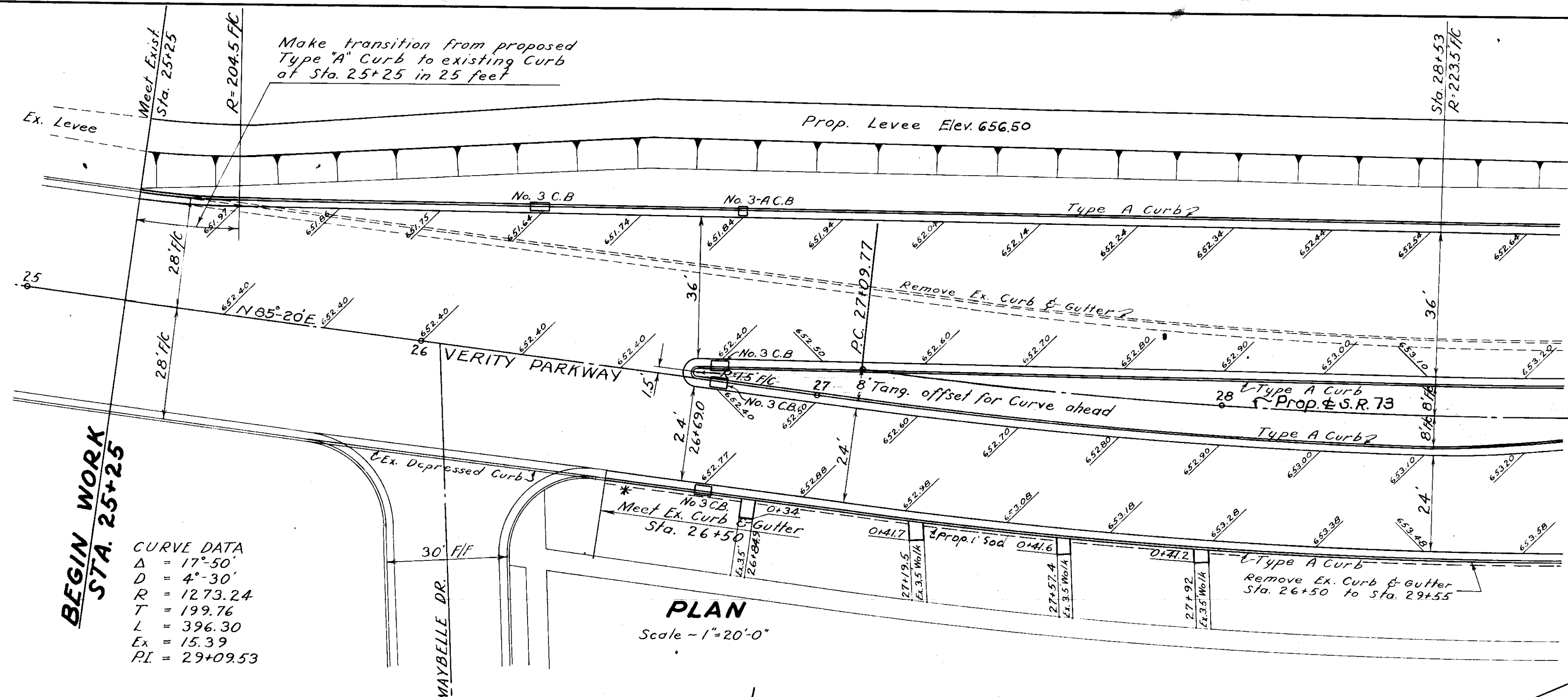
Scale: 1" = 20'



PROFILE
Scale: H: 1" = 20'
V: 1" = 5'

DRAINAGE LAYOUT & PROFILE
WINONA DR. & ELDORA DR.

BUTLER COUNTY
BUT.-73-22.57
WARREN COUNTY
WAR.-73-0.00

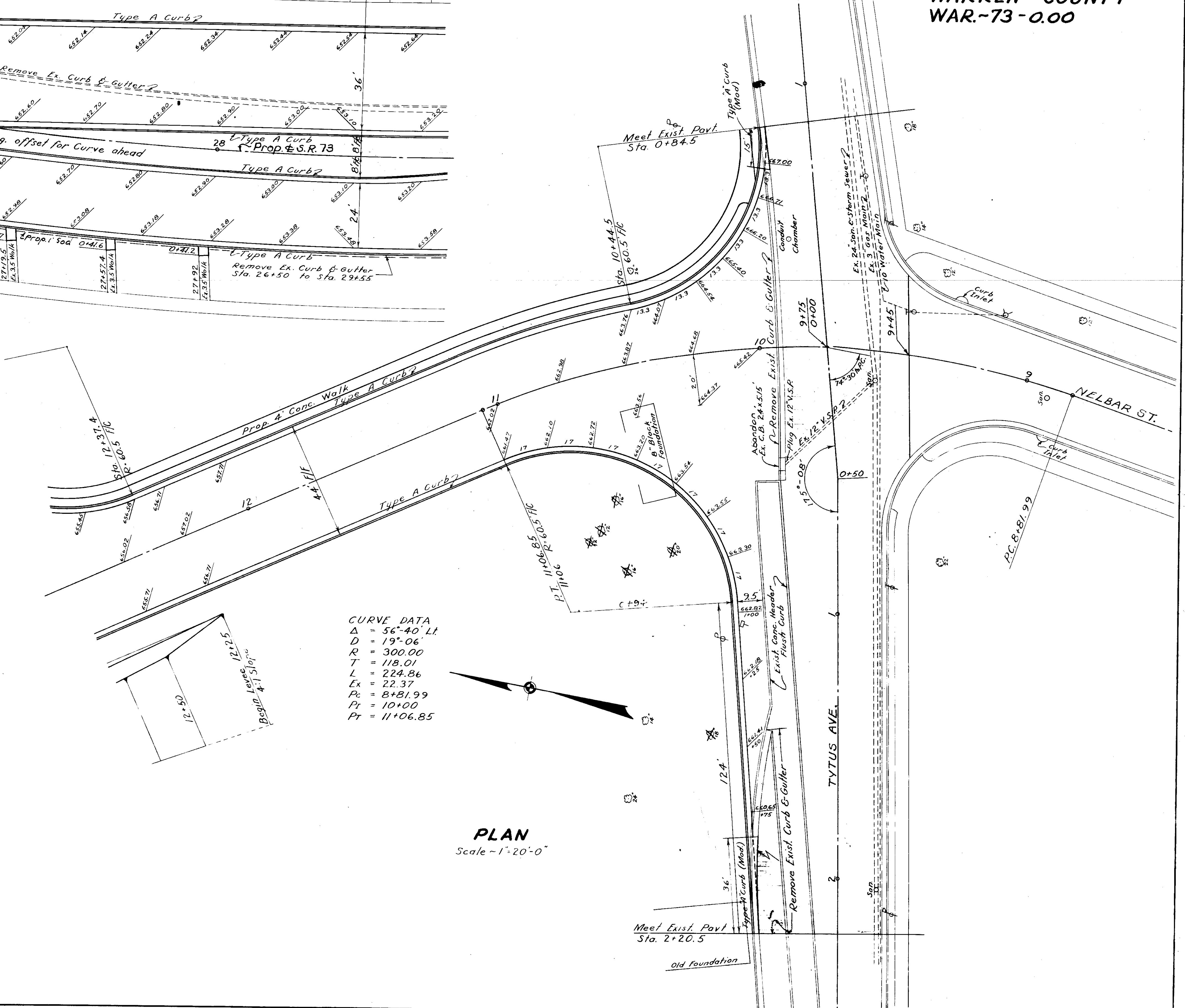


BEGIN WORK
STA. 25+25

CURVE DATA
 $\Delta = 17^{\circ}50'$
 $D = 4^{\circ}30'$
 $R = 1273.24$
 $T = 199.76$
 $L = 396.30$
 $Ex = 15.39$
 $PI = 29+09.53$

PLAN
Scale - 1"=20'-0"

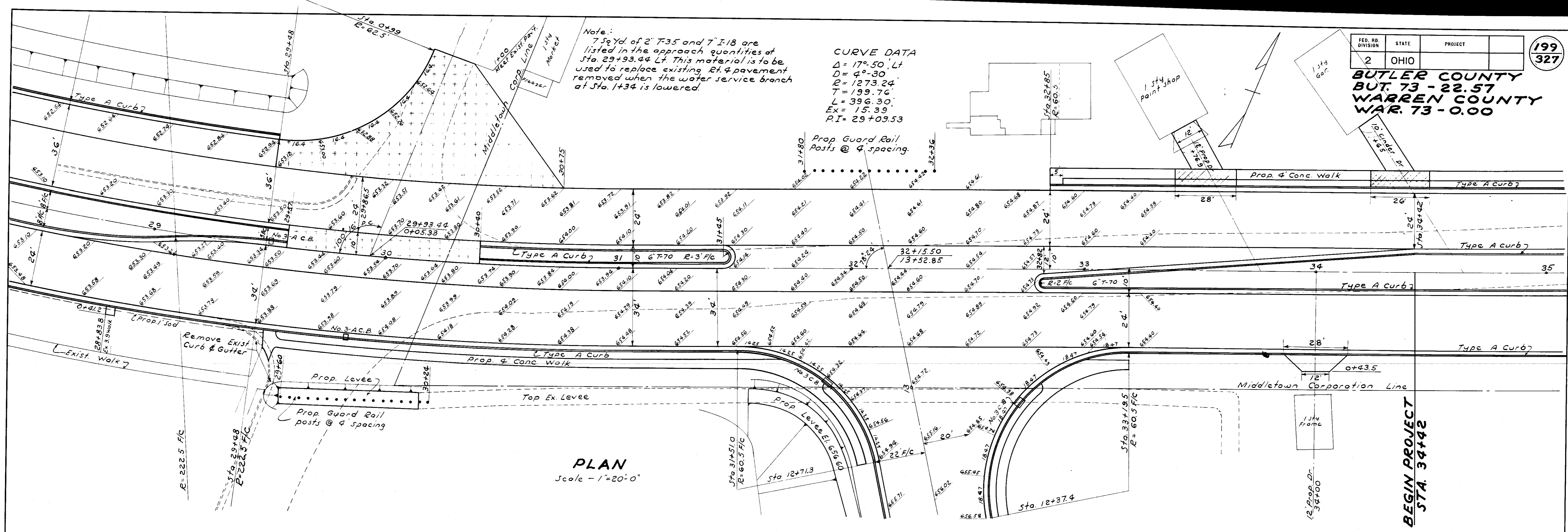
* Note:-
Curb on Rt. from Sta. 25+25 to Sta. 26+50 is to remain in place and if damaged during Construction will be replaced by the Contractor at his expense.



CURVE DATA
 $\Delta = 56^{\circ}40' LI$
 $D = 19^{\circ}06'$
 $R = 300.00$
 $T = 118.01$
 $L = 224.86$
 $Ex = 22.37$
 $PC = 8+81.99$
 $PI = 10+00$
 $PT = 11+06.85$

PLAN
Scale - 1"=20'-0"

**BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00**

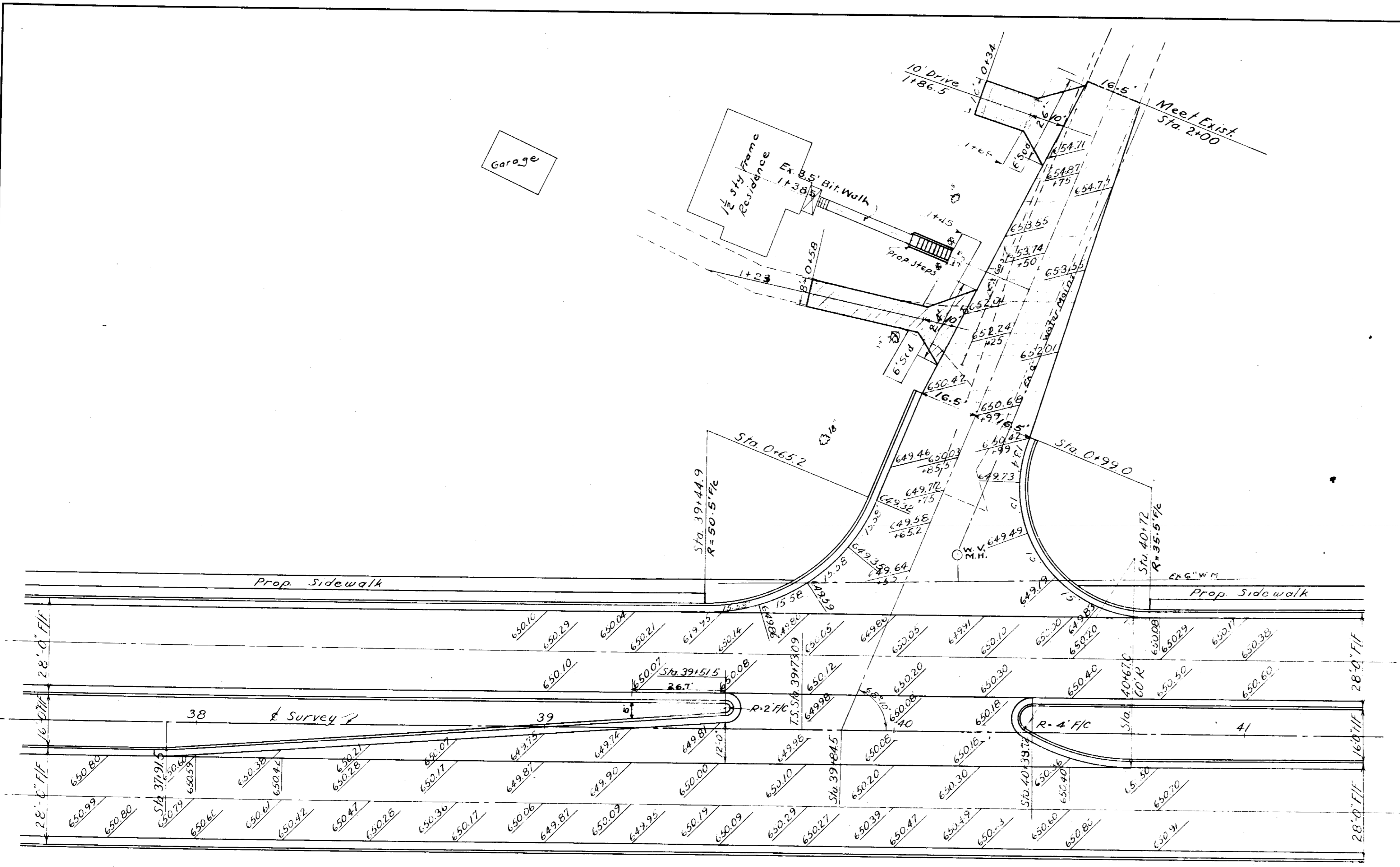


ESTIMATED QUANTITIES

Location	Portland Cement Concrete Pavement		Asphaltic Concrete Surface Course		1 1/2" Asphaltic Concrete Leveling Course	3" Asphaltic Concrete Base Course	5" Crushed Aggregate Base Course	8" Subbase A or B	Type A Combination Curb & Gutter Modified	Type A Combination Curb & Gutter	Sidewalks	Guard Rail Posts Only	Removal and Disposal of Existing Curb and Gutter	Sealing Vertical Face of Existing Pavement	Bituminous Prime Coat	Stabilized Crushed Aggregate Shoulders & Approaches	Sodding	Seeding and Protecting	7" Crushed Aggregate Base Course	Commercial Fertilizer (10-6-4) Mix.	See Sheet No
	Item T-70	Item T-8	Item T-35	2 1/2" Aver. 2" Min.	Item B-35	Item B-35	Item B-119	Item I-22	Item I-12	Item I-12	Item I-13	Item I-15	Item E-8	Item B-35	Item F-30	Item I-18	Item L-10	Item L-9	Item B-119	Item L-9	
	6"	8"	1 1/4"	2"	Sq. Yd.	Sq. Yd.	Sq. Yd.	Sq. Yd.	Lin. Ft.	Lin. Ft.	Sq. Ft.	Each	Lin. Ft.	Lin. Ft.	Sq. Yd.	Sq. Yd.	Sq. Yd.	Sq. Yd.	Sq. Yd.	Ton	
MUNICIPAL CITY OF MIDDLETOWN																					
25+25-30+25.97	3320		33450		33450	33470	33520	4180	13750		3450	17	7850	1250				59	3423	414	0.313
29+93.44 Lt.			406.0	7.0	406.0																
32+15.50 Rt.			1871.0		1505	1871.0	1871.0	1871.0	3131	731.0	51.0	1557.0		2100	2770	414	7.0				
26+84.9 Walk prop. 73 Rt.																		124	4190	414	0.388
27+19.5 Walk prop. 73 Rt.																					198
27+57.4 Walk prop. 73 Rt.																					198
27+92 Walk prop. 73 Rt.																					198
28+83 Walk prop. 73 Rt.																					198
From Drainage To pavement summary	3320		56220	7.0	1505	56220	52180	52230	7311	21060	51.0			9950	4020	414	7.0	2		414	.001
To Sidewalk & Steps																					9
To Erosion Control																					8
To Guard Rail																		185	7613		11
RURAL																					
30+25.97-34+42	76.0		29770		29770	29800	29850	37770	10380		14250							91	1507		0.144
33+76.9 - E Dr. prop. 73 Lt.		21.8																			199
34+00 - E Dr. prop. 73 Rt.		15.3																			199
31+80 - 32+36 Lt.																					199
To Pavement Summary	76.0	37.3	29770		29770	29800	29850	37770	10380		14250							91	1507		0.144
To Sidewalk & Steps																					8
To Erosion Control																					11
To Guard Rail																					12

BEGIN PROJECT STA. 34+42

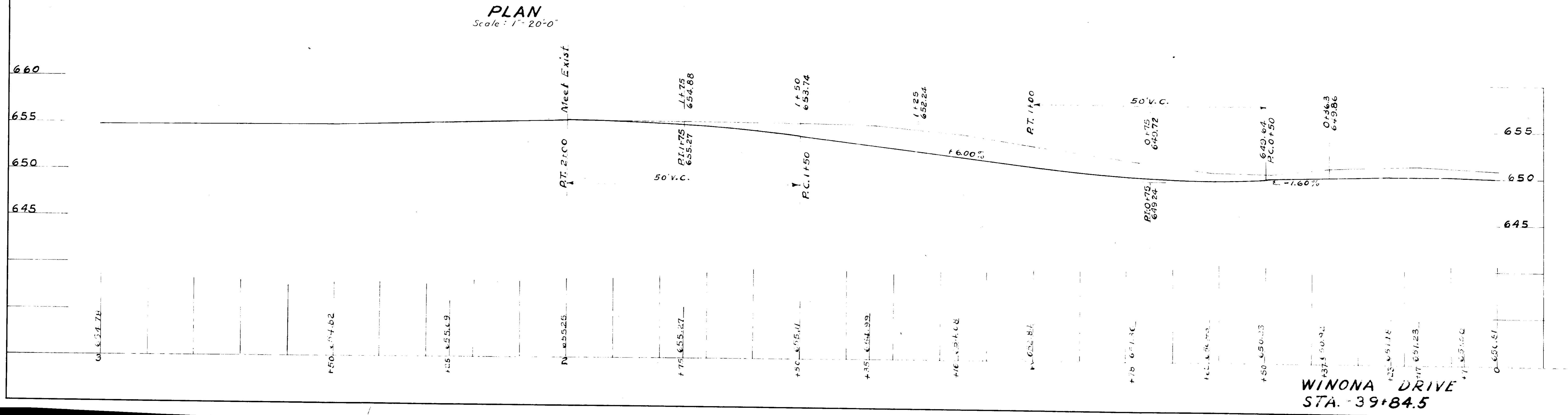
BUTLER COUNTY
 BUT.-73 - 22.57
 WARREN COUNTY
 WAR.-73 - 0.00



ESTIMATED QUANTITIES

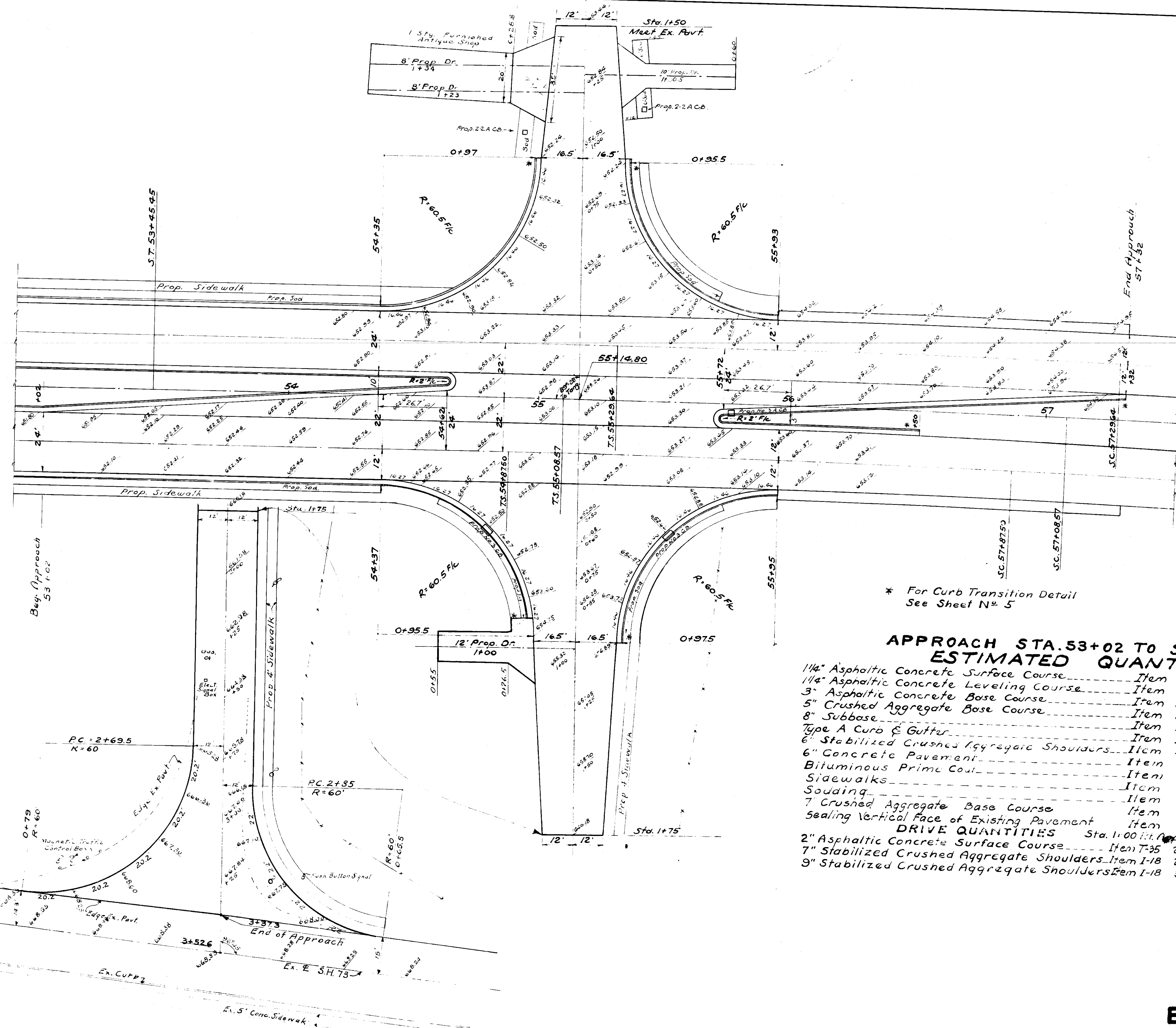
1 1/4" Asphaltic Concrete Surface Course	Item T-35	918.6	Sq. Yd.
1 1/4" Asphaltic Concrete Leveling Course	Item B-35	918.6	Sq. Yd.
3" Asphaltic Concrete Base Course	Item B-35	641.0	Sq. Yd.
5" Crushed Agg. Base Course	Item B-119	641.0	Sq. Yd.
7" Crushed Agg. Base Course	Item B-119	290.0	Sq. Yd.
Type A Curb & Gutter	Deduction Item I-12	121.5	Lin. Ft.
Bituminous Prime Coat	Item T-30	290.0	Sq. Yd.
4" Concrete Sidewalk	Deduction Item I-13	352.0	Sq. Ft.
6" Concrete Pavement	Item T-70	12.3	Sq. Yd.
Concrete Steps 5" Riser 15" Tread	Item I-13	40.5	Lin. Ft.
Sodding	Item L-10	34.7	Sq. Yd.

	Drive Sta. 1+23	Drive Sta. 1+86.5	Unit	Total
2" Asphaltic Concrete Surface Course	Item T-35	47.1	Sq. Yd.	64.0
5" Stabilized Crushed Agg. Shoulders & Apr's.	Item I-18	47.1	Sq. Yd.	64.0
8" Stabilized Crushed Agg. Shoulders & Apr's.	Item I-18		Sq. Yd.	19.8



WINONA DRIVE
 STA. 39+84.5

WARREN COUNTY
WAR. 73-22.57
BUTLER COUNTY
BUT-73-0.00



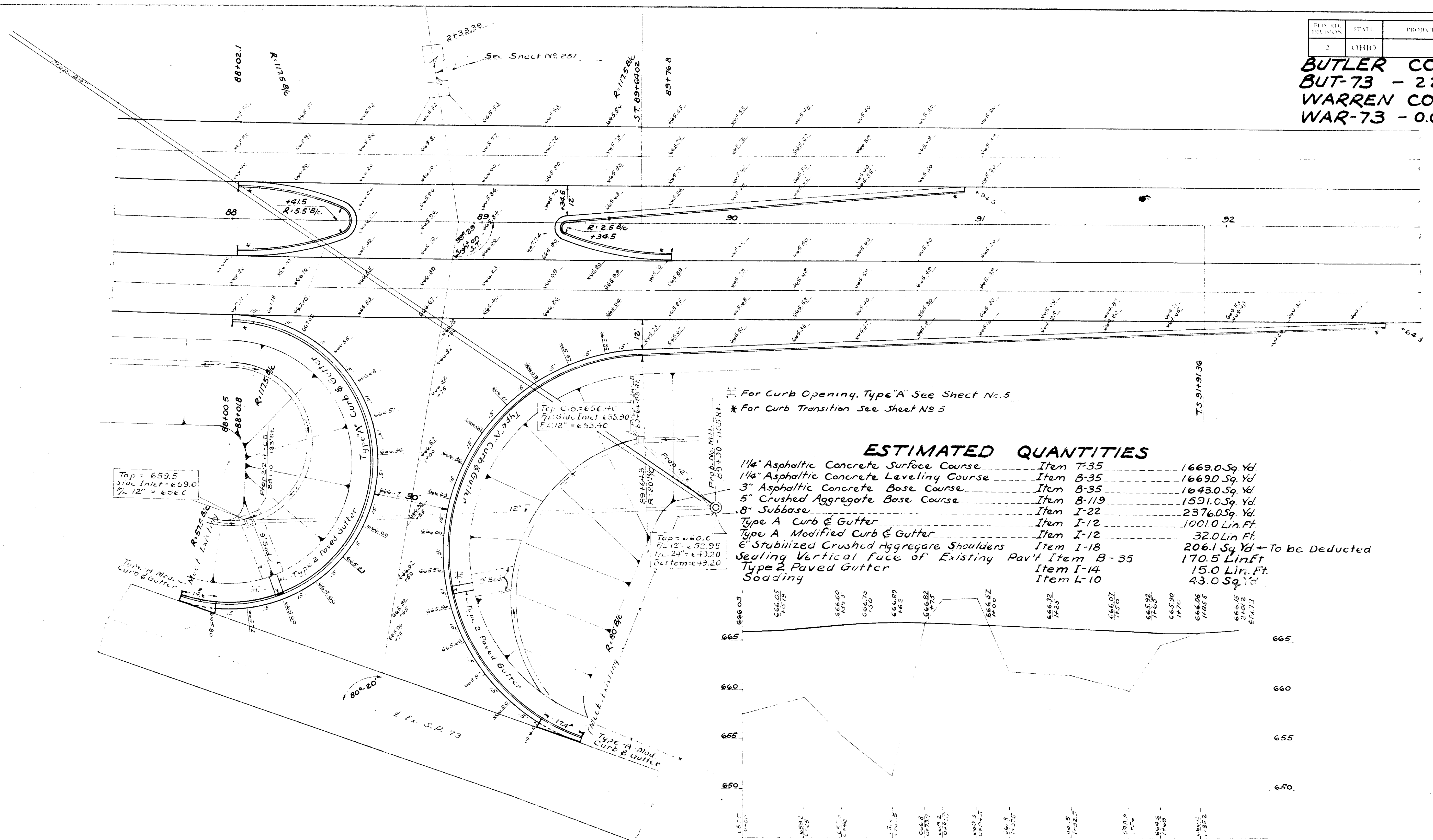
* For Curb Transition Detail
See Sheet N# 5

**APPROACH STA. 53+02 TO STA. 57+32
ESTIMATED QUANTITIES**

1 1/4" Asphaltic Concrete Surface Course	Item T-35	4601.0	Sq. Yd.
1 1/4" Asphaltic Concrete Leveling Course	Item B-35	4601.0	Sq. Yd.
3" Asphaltic Concrete Base Course	Item B-35	4448.0	Sq. Yd.
5" Crushed Aggregate Base Course	Item B-119	4479.0	Sq. Yd.
8" Subbase	Item I-22	3660.0	Sq. Yd.
Type A Curb & Gutter	Item I-12	1201.0	Lin. Ft.
6" Stabilized Crushed Aggregate Shoulders	Item I-18	123.0	Sq. Yd.
6" Concrete Pavement	Item T-70	24.6	Sq. Yd.
Bituminous Prime Coat	Item T-30	173.0	Sq. Yd.
Sidewalks	Item I-13	3513.0	Sq. Ft.
Souding	Item L-10	115.0	Sq. Yd.
7" Crushed Aggregate Base Course	Item B-119	173.0	Sq. Yd.
Sealing Vertical Face of Existing Pavement	Item B-35	145.0	Lin. Ft.
DRIVE QUANTITIES			
2" Asphaltic Concrete Surface Course	Item T-35	222	45.8
7" Stabilized Crushed Aggregate Shoulders	Item I-18	222	45.8
9" Stabilized Crushed Aggregate Shoulders	Item I-18	380	40.4
			Total
		88.0	88.0 Sq. Yd.
		88.0	88.0 Sq. Yd.
		40.4	78.4 Sq. Yd.

**ELDORA DRIVE RT. & LT.
STA. 55+14.80**

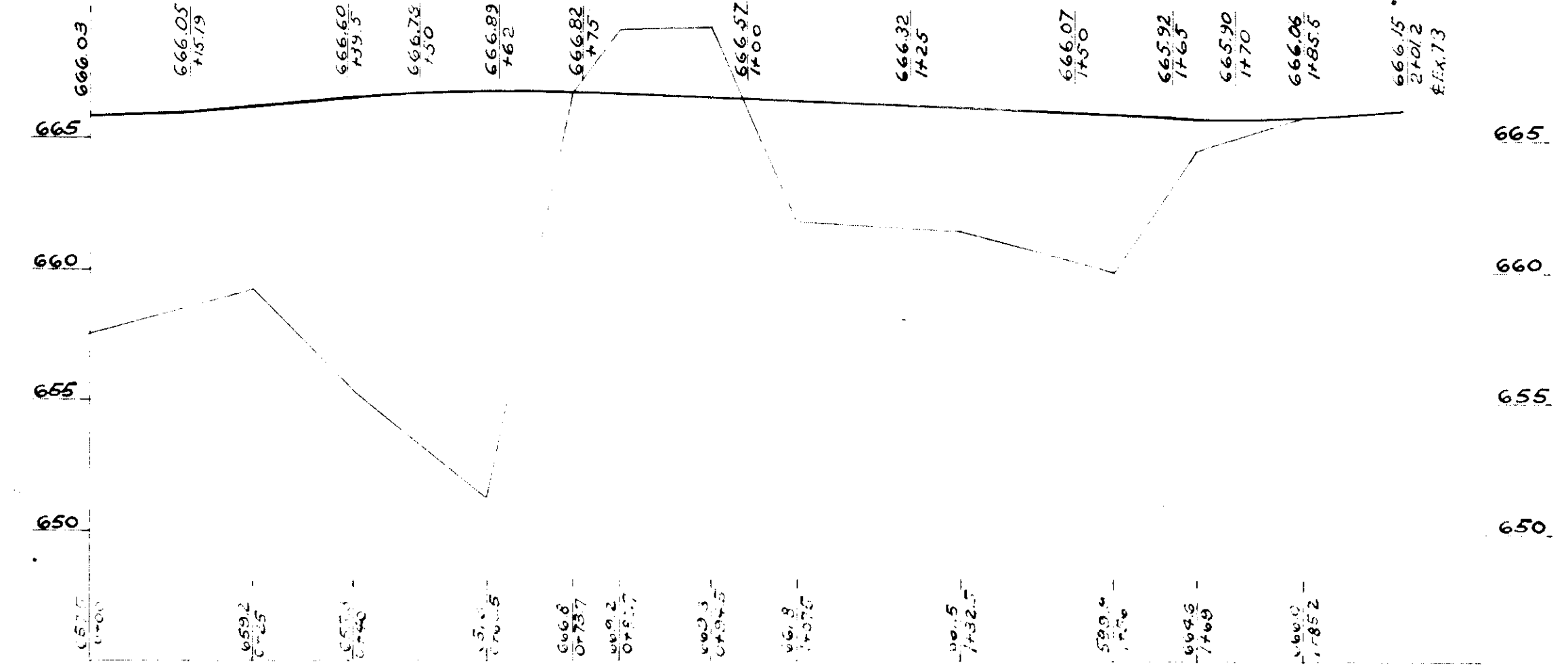
BUTLER COUNTY
BUT-73 - 22.57
WARREN COUNTY
WAR-73 - 0.00



For Curb Opening, Type A See Sheet No. 5
 * For Curb Transition See Sheet No. 5

ESTIMATED QUANTITIES

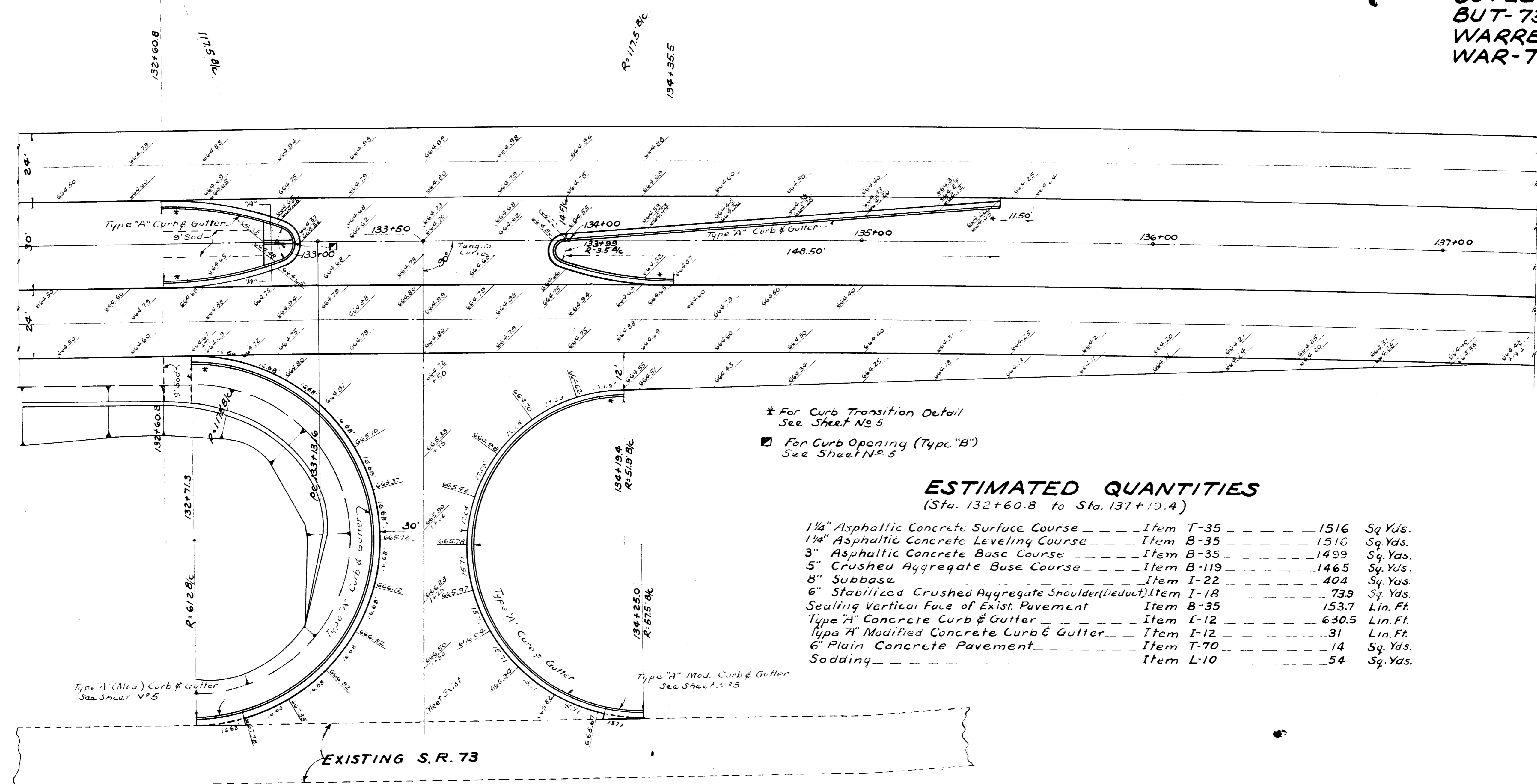
1 1/4" Asphaltic Concrete Surface Course	Item F-35	1669.0 Sq. Yd.
1 1/4" Asphaltic Concrete Leveling Course	Item B-35	1669.0 Sq. Yd.
3" Asphaltic Concrete Base Course	Item B-35	1643.0 Sq. Yd.
5" Crushed Aggregate Base Course	Item B-119	1591.0 Sq. Yd.
8" Subbase	Item I-22	2376.0 Sq. Yd.
Type A Curb & Gutter	Item I-12	1001.0 Lin. Ft.
Type A Modified Curb & Gutter	Item I-12	32.0 Lin. Ft.
6" Stabilized Crushed Aggregate Shoulders	Item I-18	206.1 Sq. Yd. - To be Deducted
Sealing Vertical face of Existing Pav't	Item B-35	170.5 Lin. Ft.
Type 2 Paved Gutter	Item I-14	15.0 Lin. Ft.
Sodding	Item L-10	43.0 Sq. Yd.



PROFILE
 Scale: { Hor. 1" = 20'
 Vert. 1" = 5'

APPROACH
STA. 88+91 RT.

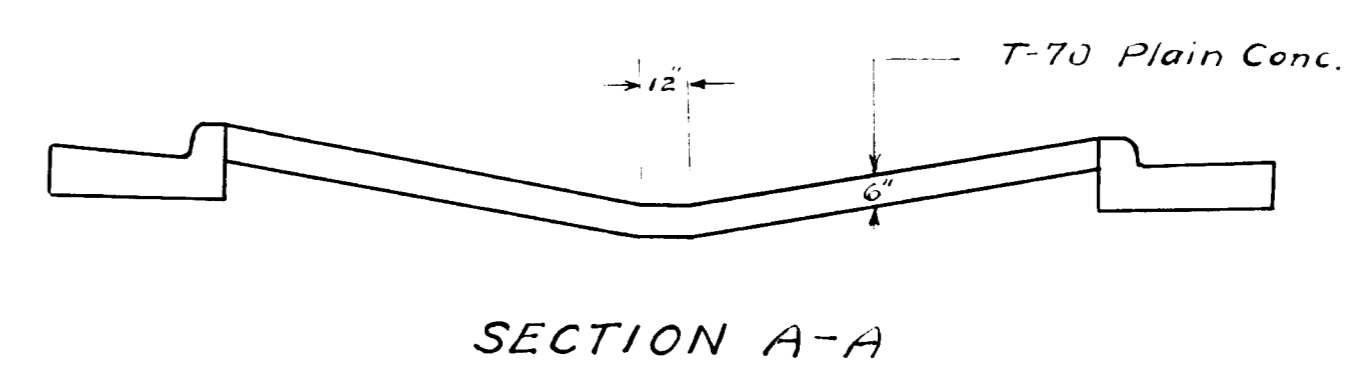
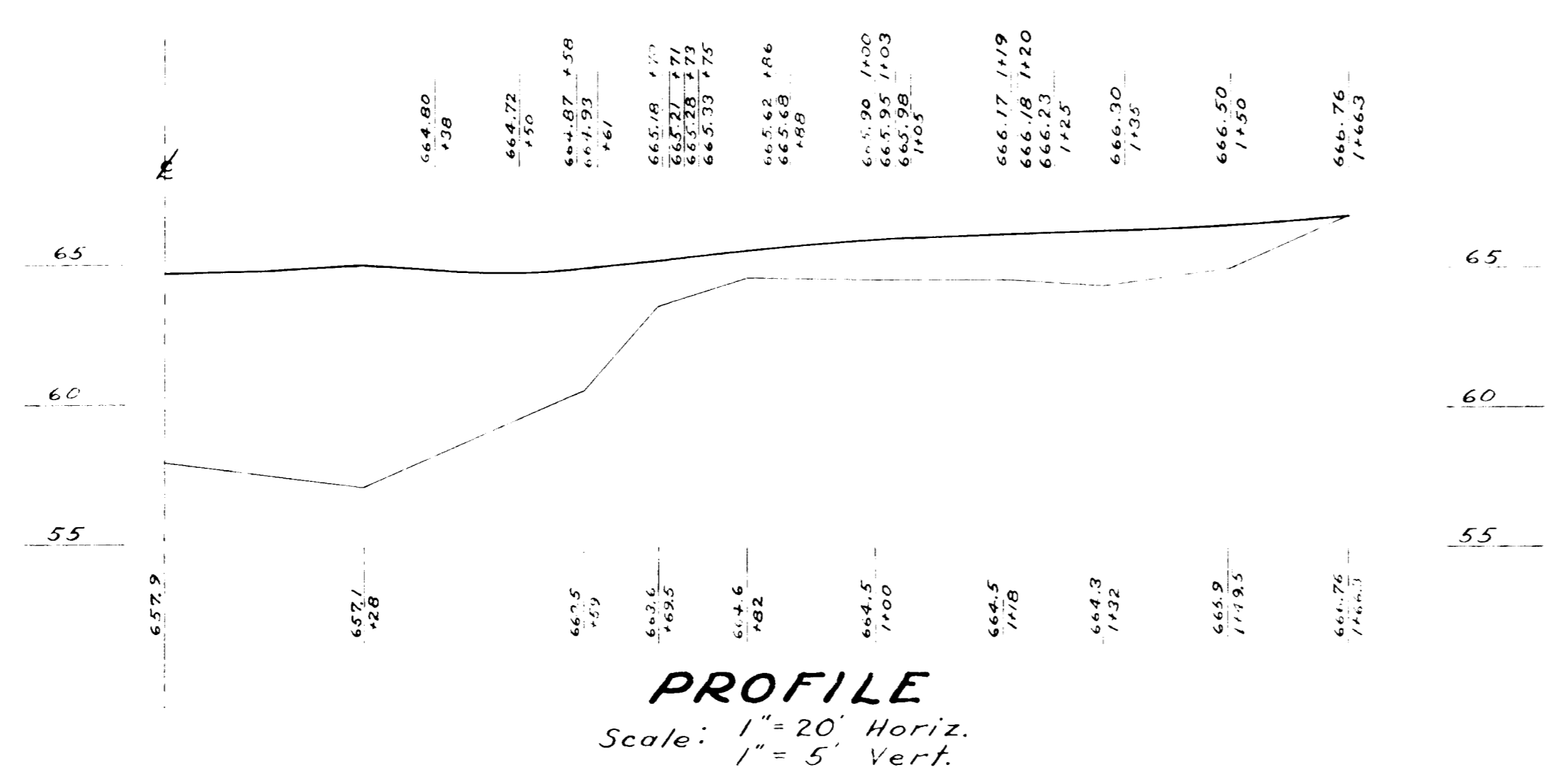
BUTLER COUNTY
BUT-73-22.57
WARREN COUNTY
WAR-73-0.00



* For Curb Transition Detail
 See Sheet No 5
 □ For Curb Opening (Type "B")
 See Sheet No 5

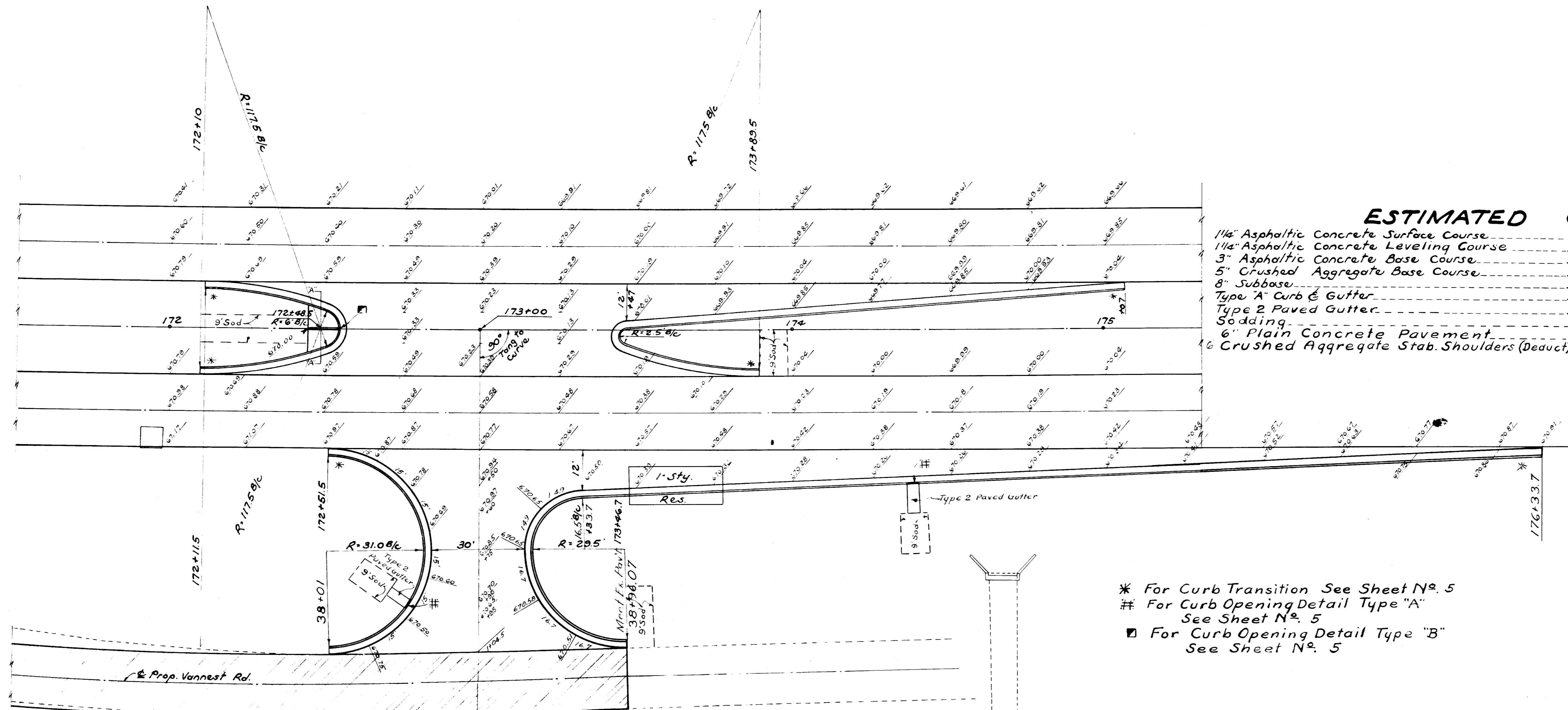
ESTIMATED QUANTITIES
 (Sta. 132+60.8 to Sta. 137+19.4)

1 1/4" Asphaltic Concrete Surface Course	Item T-35	1516	Sq. Yds.
1 1/4" Asphaltic Concrete Leveling Course	Item B-35	1516	Sq. Yds.
3" Asphaltic Concrete Base Course	Item B-35	1499	Sq. Yds.
5" Crushed Aggregate Base Course	Item B-119	1465	Sq. Yds.
8" Subbase	Item I-22	404	Sq. Yds.
6" Stabilized Crushed Aggregate Shoulder (Deduct)	Item I-18	73.9	Sq. Yds.
Sealing Vertical Face of Exist. Pavement	Item B-35	153.7	Lin. Ft.
Type "A" Concrete Curb & Gutter	Item I-12	630.5	Lin. Ft.
Type "A" Modified Concrete Curb & Gutter	Item I-12	31	Lin. Ft.
6" Plain Concrete Pavement	Item T-70	14	Sq. Yds.
Sodding	Item L-10	54	Sq. Yds.



APPROACH STA. 133+50 RT.

BUTLER COUNTY
 BUT-73 - 22.57
 WARREN COUNTY
 WAR-73 - 0.00



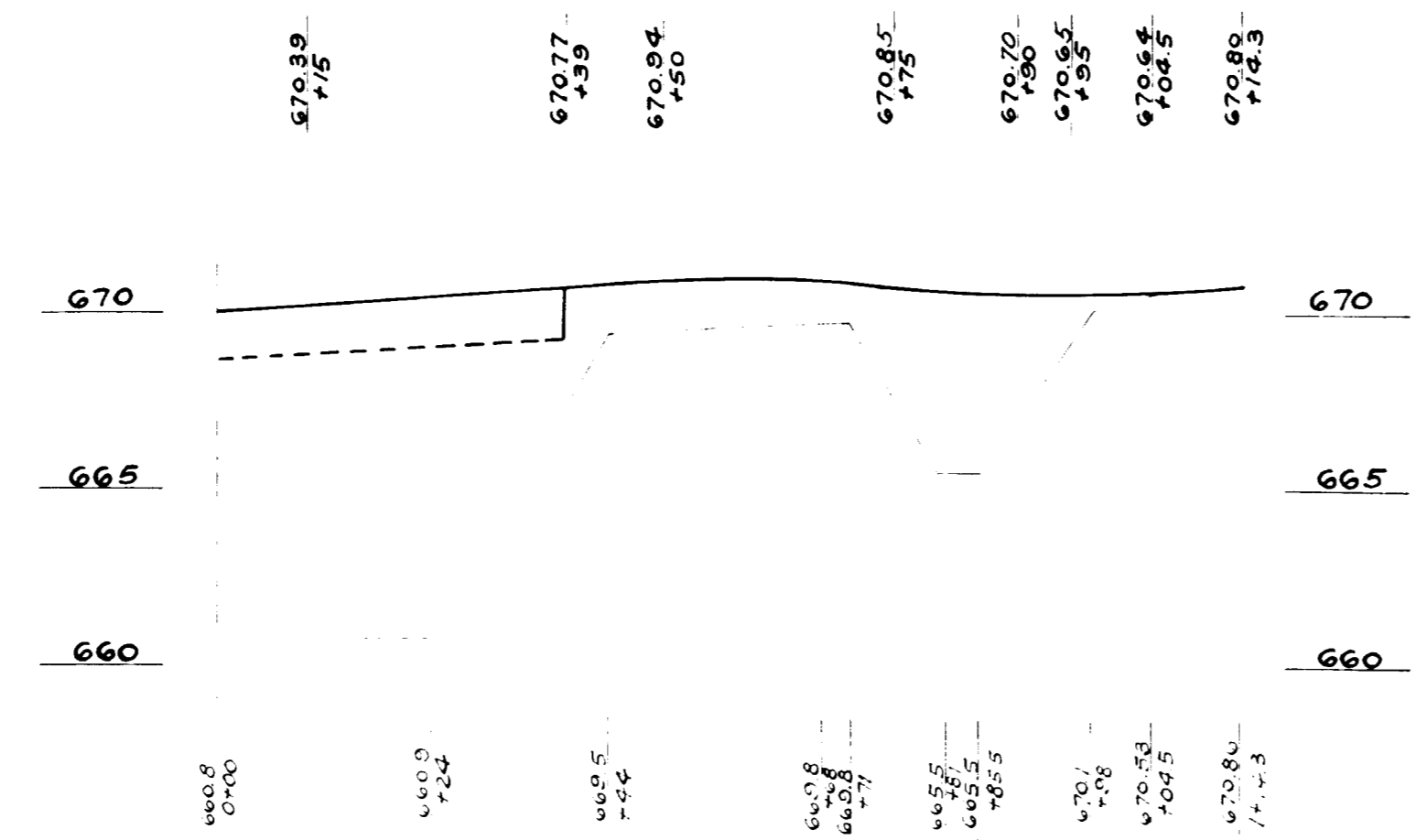
ESTIMATED QUANTITIES

1 1/4" Asphaltic Concrete Surface Course	Item 7-35	988.0 Sq. Yd.
1 1/4" Asphaltic Concrete Leveling Course	Item 8-35	988.0 Sq. Yd.
3" Asphaltic Concrete Base Course	Item 8-35	964.0 Sq. Yd.
5" Crushed Aggregate Base Course	Item 8-119	917.0 Sq. Yd.
8" Subbase	Item 1-22	1223.0 Sq. Yd.
Type A Curb & Gutter	Item 1-12	774.0 Lin. Ft.
Type 2 Paved Gutter	Item 1-14	17.0 Lin. Ft.
Sodding	Item L-9	84.0 Sq. Yd.
6" Plain Concrete Pavement	Item T-70	11.1 Sq. Yd.
Crushed Aggregate Stab. Shoulders (Deduct)	Item I-18	163.9 Sq. Yd.

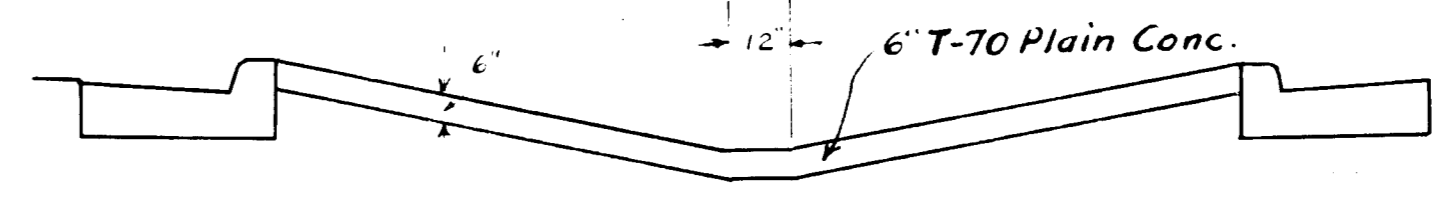
- * For Curb Transition See Sheet N^o. 5
- # For Curb Opening Detail Type "A" See Sheet N^o. 5
- For Curb Opening Detail Type "B" See Sheet N^o. 5

Note: For Side Road Culvert
 See Sheet N^o. 264

PLAN
 Scale: 1" = 20'



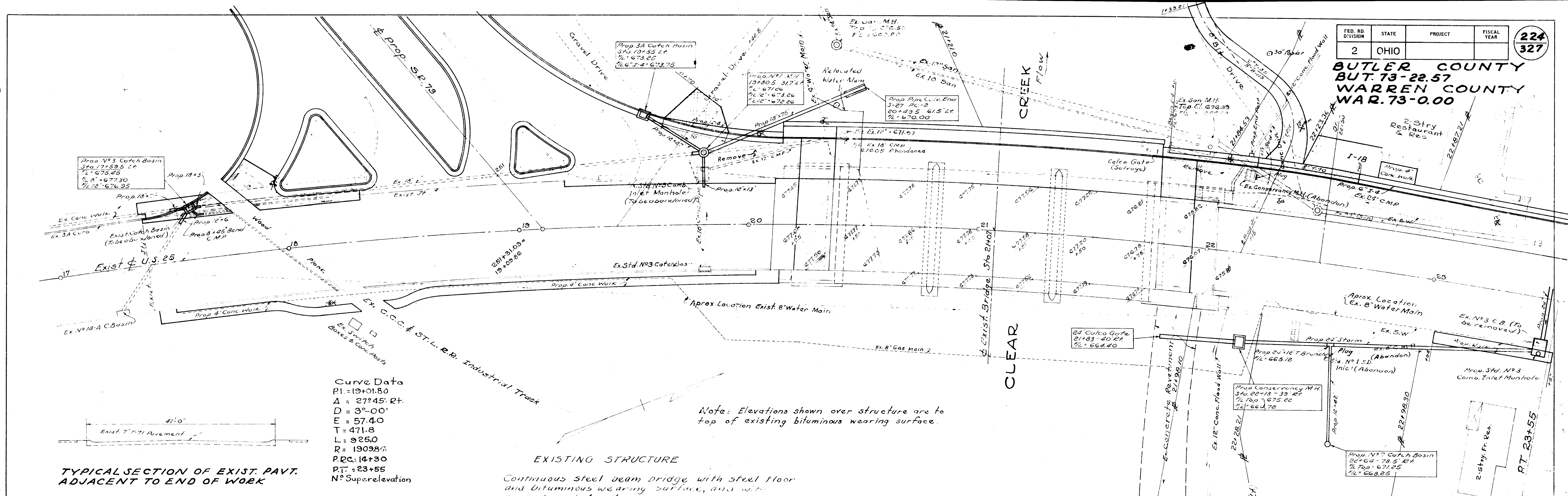
PROFILE
 Scale: 1" = 20' Horiz.
 1" = 5' Vert.



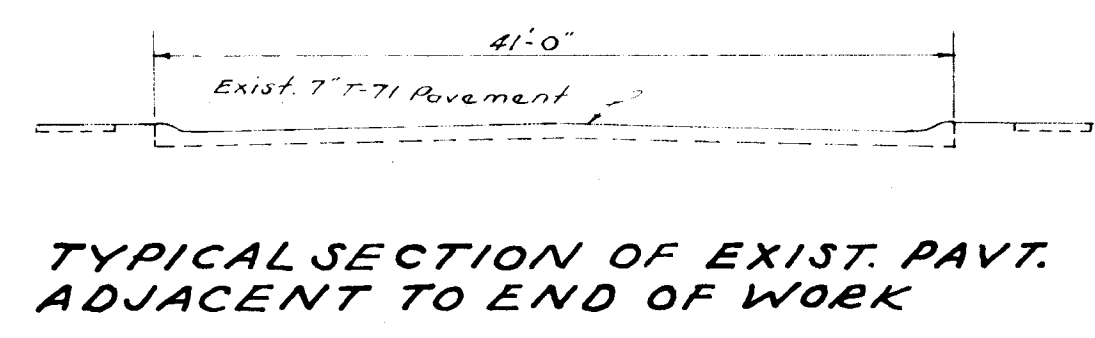
SECTION "A"-A"

APPROACH STA. 173+00

BUTLER COUNTY
 BUT. 73-22.57
 WARREN COUNTY
 WAR. 73-0.00

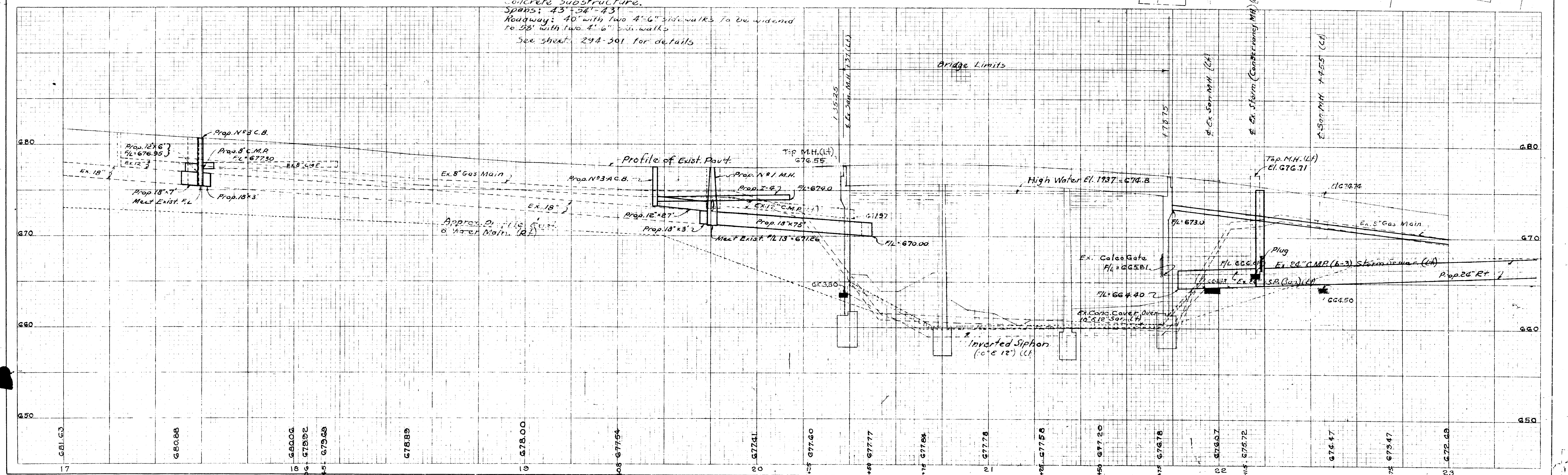


Curve Data
 PI = 19+01.80
 Δ = 27°45' RT
 D = 3°00'
 E = 57.40
 T = 471.8
 L = 925.0
 R = 19098.0
 P.C. = 14+30
 P.T. = 23+55
 N° Superelevation



Note: Elevations shown over structure are to top of existing bituminous wearing surface.

EXISTING STRUCTURE
 Continuous steel beam bridge with steel floor and bituminous wearing surface, and with concrete substructure.
 Spans: 43'-54"-43'
 Roadway: 40' with two 4'-6\"/>

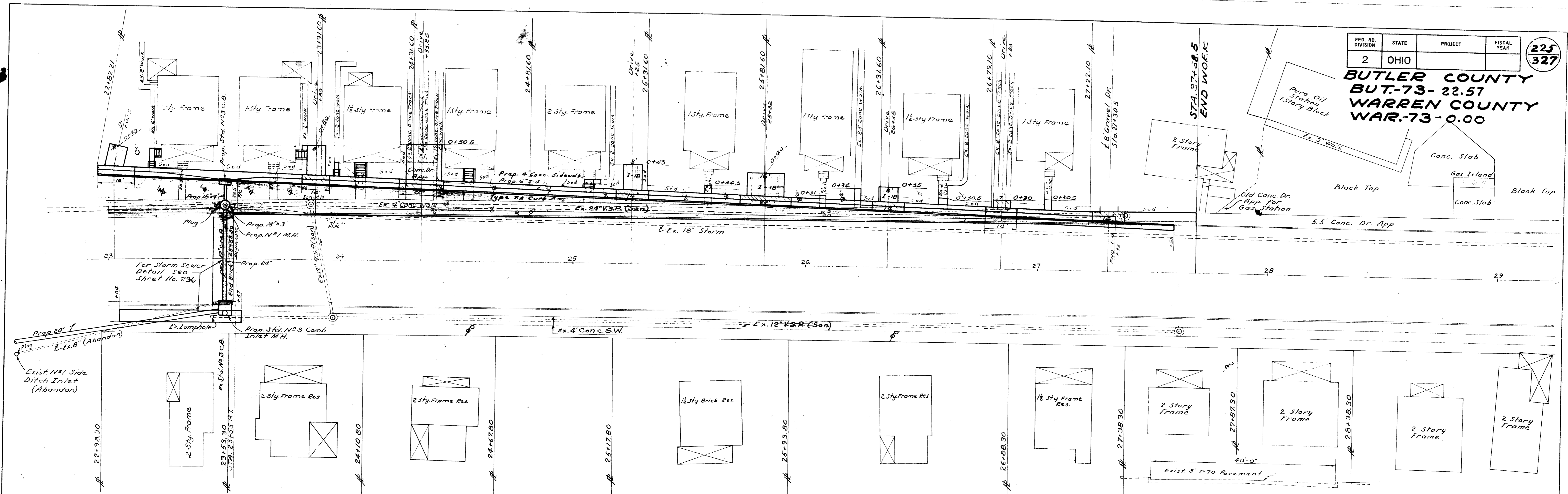


(US-25) APPROACH - STA: 251+31.03 LT. & RT. - STA: 17+00 TO 23+00.

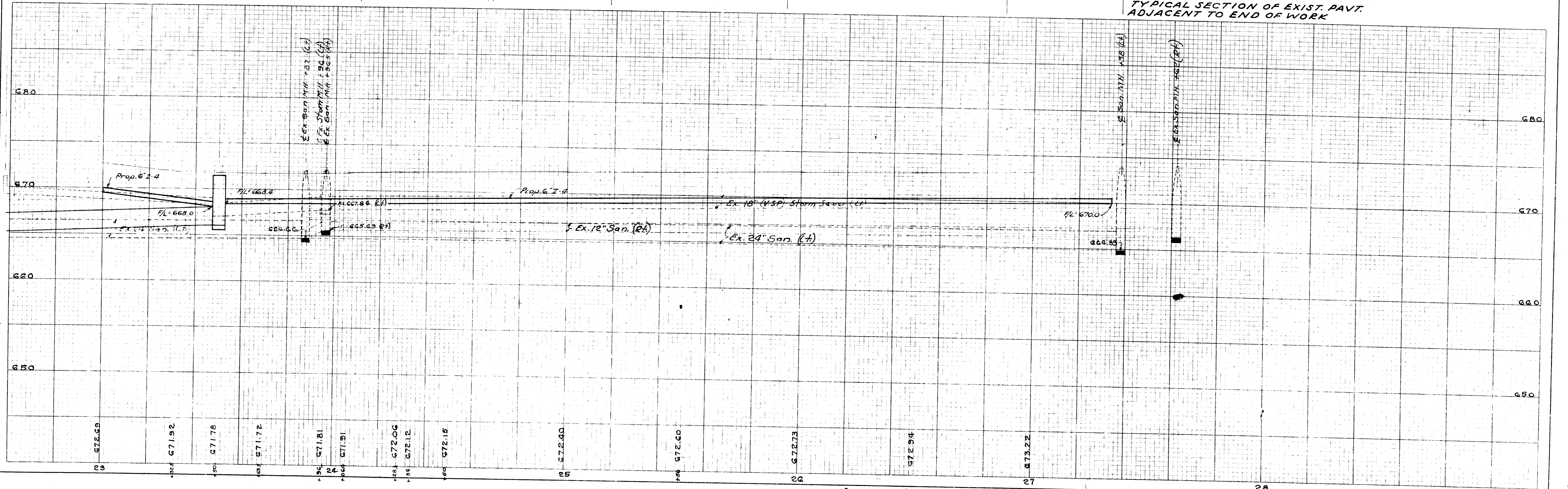
FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		

225
327

**BUTLER COUNTY
BUT-73-22.57
WARREN COUNTY
WAR-73-0.00**



TYPICAL SECTION OF EXIST. PAVT. ADJACENT TO END OF WORK



BUTLER COUNTY
BUT-73-22.57
WARREN COUNTY
WAR-73-0.00

NON PARTICIPATING ITEMS APPR. STA. 249+69.23

Location	Side	Resetting Existing Curb Box & Stop Cock	Resetting Existing Fire Hydrant including Valve & Valve Box	6" C.I. Pipe Cement lined Class 150 including special castings complete in place	Adjust Existing Sanitary Manholes to Grade	Furnish & Place Std. No. 1 Light Manhole Frame & Cover	Remove and Relay 4" Water Main	See Sheet No.
Route 25 Stationing		Item Special Each	Item Special Each	Item Special Lin. Ft.	Item I-8 Each	Item I-8 I-8	Item Special Lin. Ft.	
MUNICIPAL FRANKLIN								
22+77.4	Lt.	1						224
23+46.4	Lt.	1						225
23+55	Lt.	1						225
23+98.5	Lt.	1						225
24+67.5	Lt.	1						225
24+76	Lt.		1	9				225
25+15	Lt.	1						225
25+56	Lt.	1						225
26+09	Lt.	1						225
26+50	Lt.	1						225
27+18	Lt.	1						225
27+97	Lt.				1	1		224
28+46	Lt.				1	1		224
28+87	Lt.				1	1		225
27+38	Lt.				1			225
20+40	Lt.						48	224
Totals								
To Non Participating Summary		10	1	9	4	1*	48	10

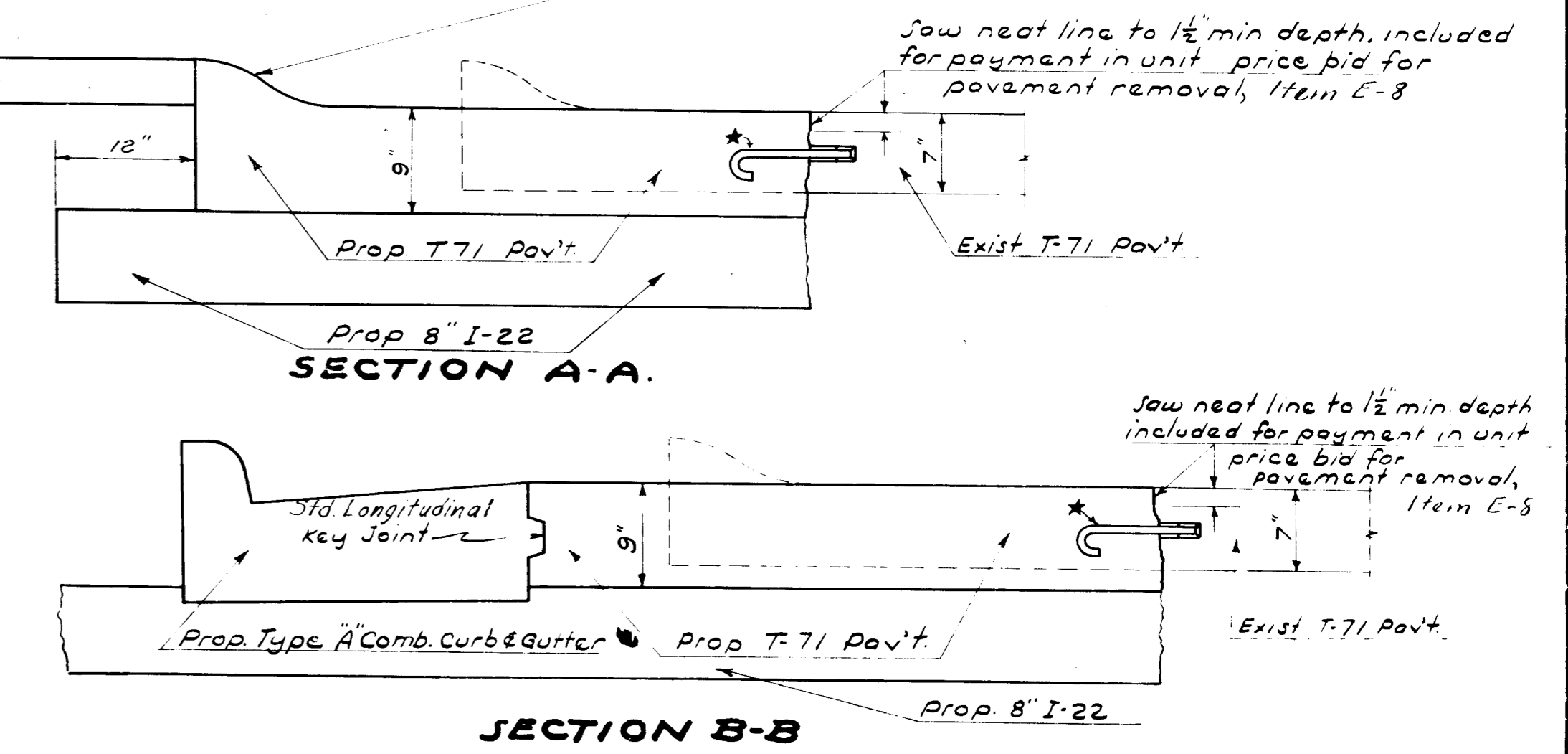
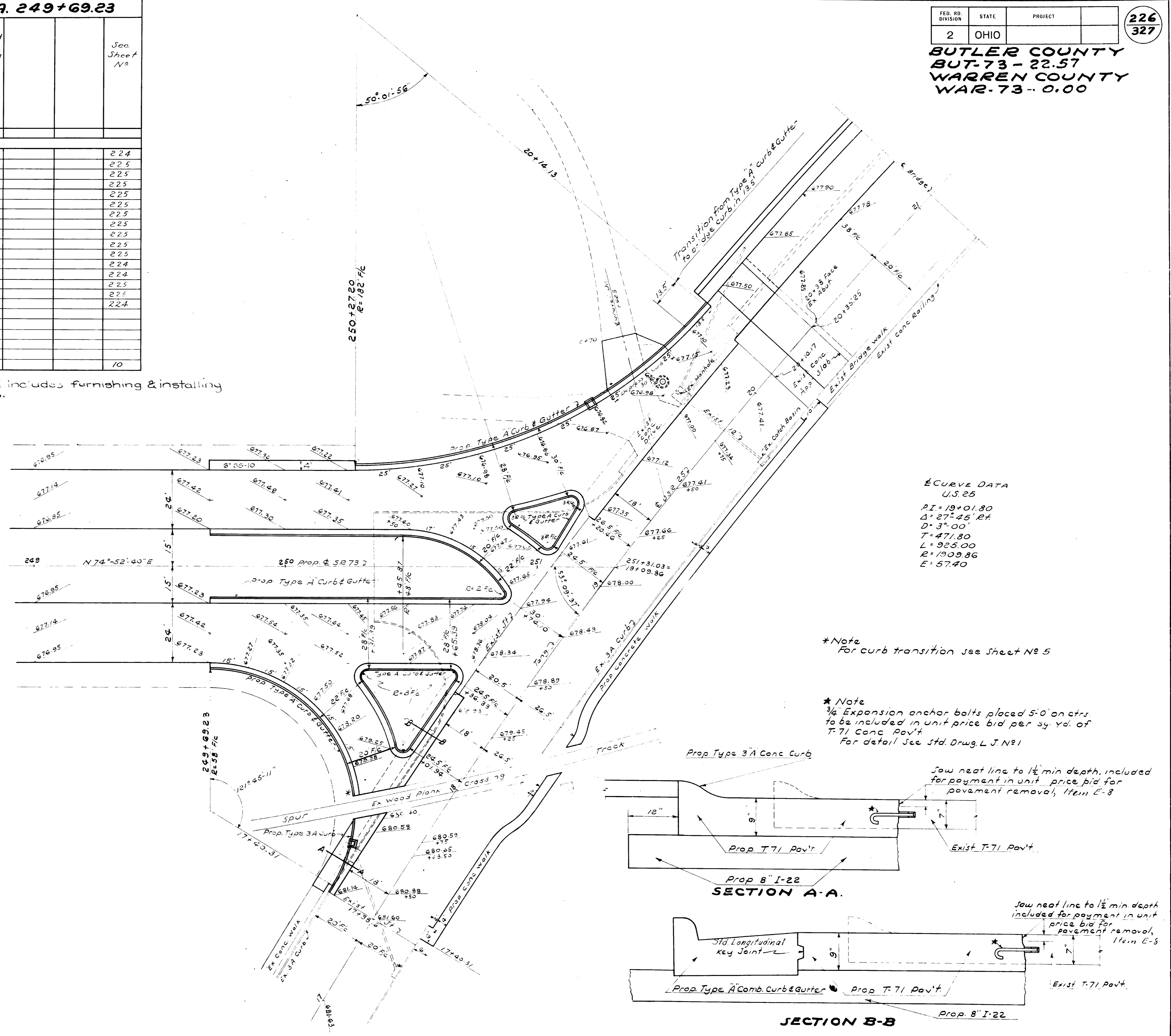
* Price bid includes furnishing & installing 4 dowels.

ELECTRICAL EQUIPMENT APPR. STA. 249+69.23

Station	Side	2" Galvanized Conduit Item S-25 Lin. Ft.	See Sheet No.
MUNICIPAL FRANKLIN			
249+75	R&L	85	39
Total			
To Electrical Equip. Summary		85	11

ESTIMATED QUANTITIES

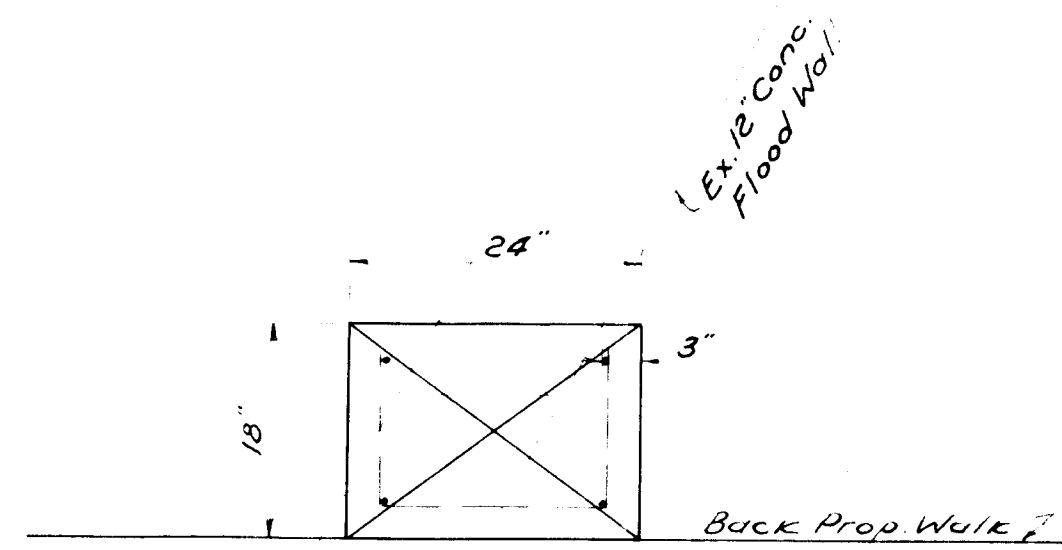
1 1/2" Asph. Conc. Surface Course Item T-35	1169	Sq. Yd.
1/4" Asph. Conc. Leveling Course Item B-35	1169	Sq. Yd.
3" Asph. Conc. Base Course Item B-35	1169	Sq. Yd.
5" Crushed Aggregate Base Item B-119	1169	Sq. Yd.
8" Subbase Item I-22	2110	Sq. Yd.
Type A Conc. Curb and Gutter Item I-12	665	Lin. Ft.
Type 3A Conc. Curb Item I-12	31	Lin. Ft.
3" Reinf. Conc. Pavement Item T-71	71	Sq. Yd.
6" Stabilized Crushed Aggregate Item I-18	258	Sq. Yd.
4" Concrete Sidewalk Item I-13	1180	Sq. Ft.
Removal and Disposal of Existing Pavement Item E-8	479	Sq. Yd.
3" Portland Cement Concrete Pavement Item T-70 (Drive)	34	Sq. Yd.
Sealing Vertical Face of Existing Pavement Item B-35	236	Lin. Ft.



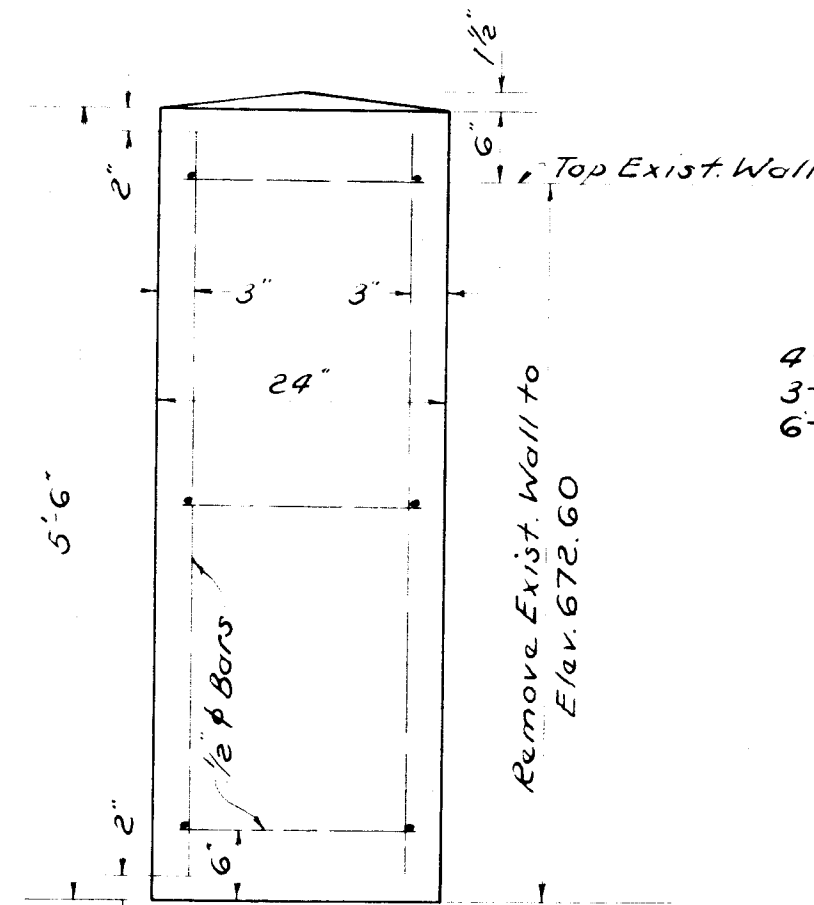
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

239
327

BUTLER COUNTY
BUT. 73-22.57
WARREN COUNTY
WAR. 73-0.00



PLAN
Scale: 3/2" = 1'-0"



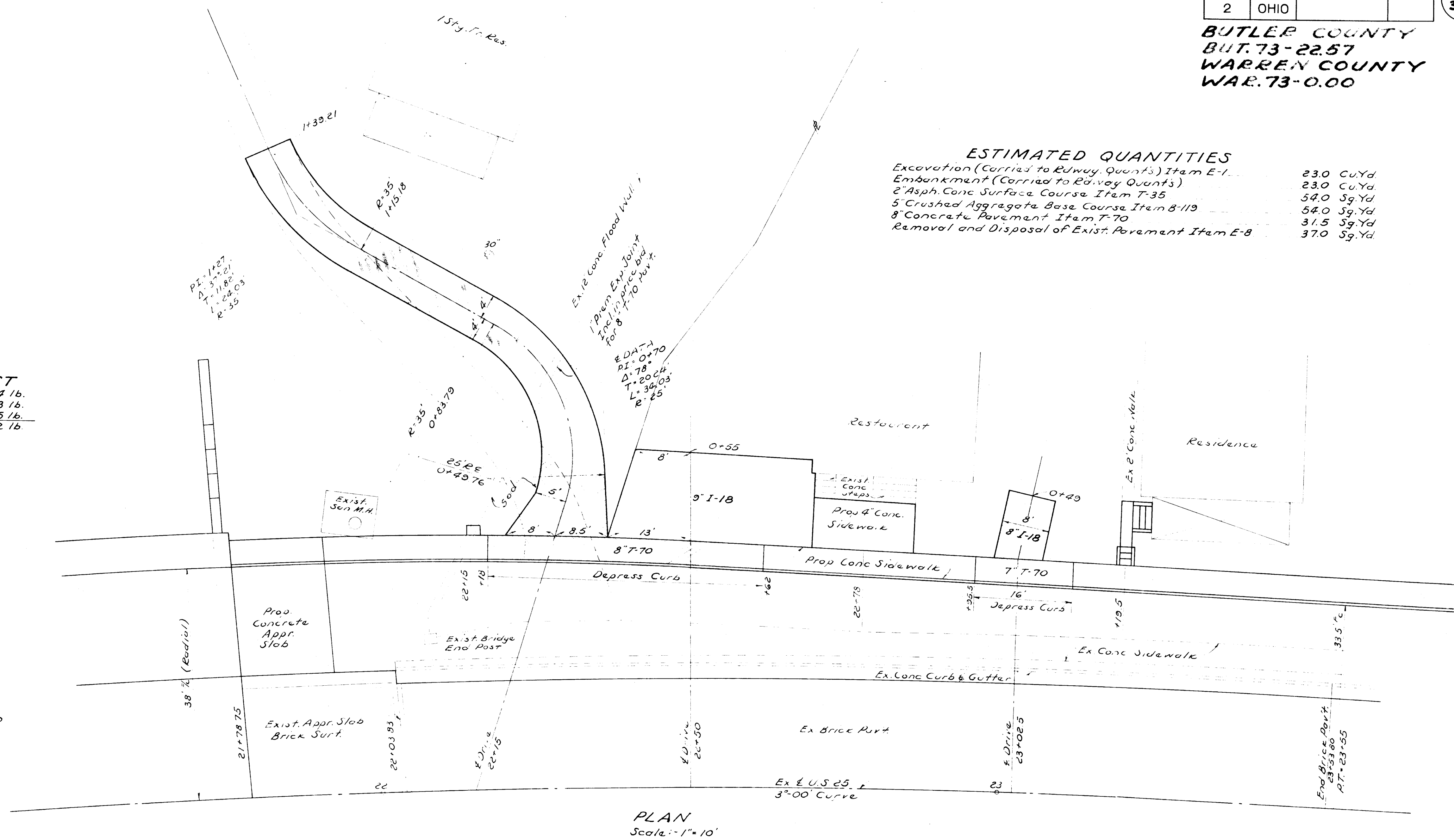
ELEVATION
DETAIL CONC. END POST
STA. 22+11 to STA. 22+15

STEEL LIST

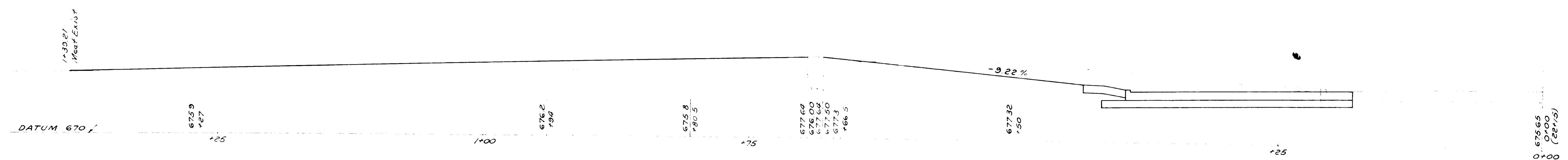
4-V Bars 1/2" x 5'-2"	= 14 lb.
3-H Bars 1/2" x 1'-8"	= 3 lb.
6-H Bars 1/2" x 1'-2"	= 5 lb.
Total	= 22 lb.

ESTIMATED QUANTITIES

Conc for Structures Item S-1 (Class C)	0.50 Cu. Yd.
Reinf. Steel Item S-4	22 Lbs
Removal of Portions of Exist. Structure Item S-22	Lump Lump Sum



PLAN
Scale: 1" = 10'



PROFILE DRIVE STA. 22+15 LT.
Scale: 1" = 5' Hor & Vert.

DRIVE STA. 22+15 LT.
DETAIL CONC. END POST (U.S. 25)

ESTIMATED QUANTITIES

Excavation (Carried to Rdway Quants) Item E-1	230 Cu. Yd.
Embankment (Carried to Rdway Quants)	230 Cu. Yd.
2" Asph. Conc Surface Course Item T-35	54.0 Sq. Yd.
5" Crushed Aggregate Base Course Item B-119	54.0 Sq. Yd.
8" Concrete Pavement Item T-70	31.5 Sq. Yd.
Removal and Disposal of Exist. Pavement Item E-8	370 Sq. Yd.

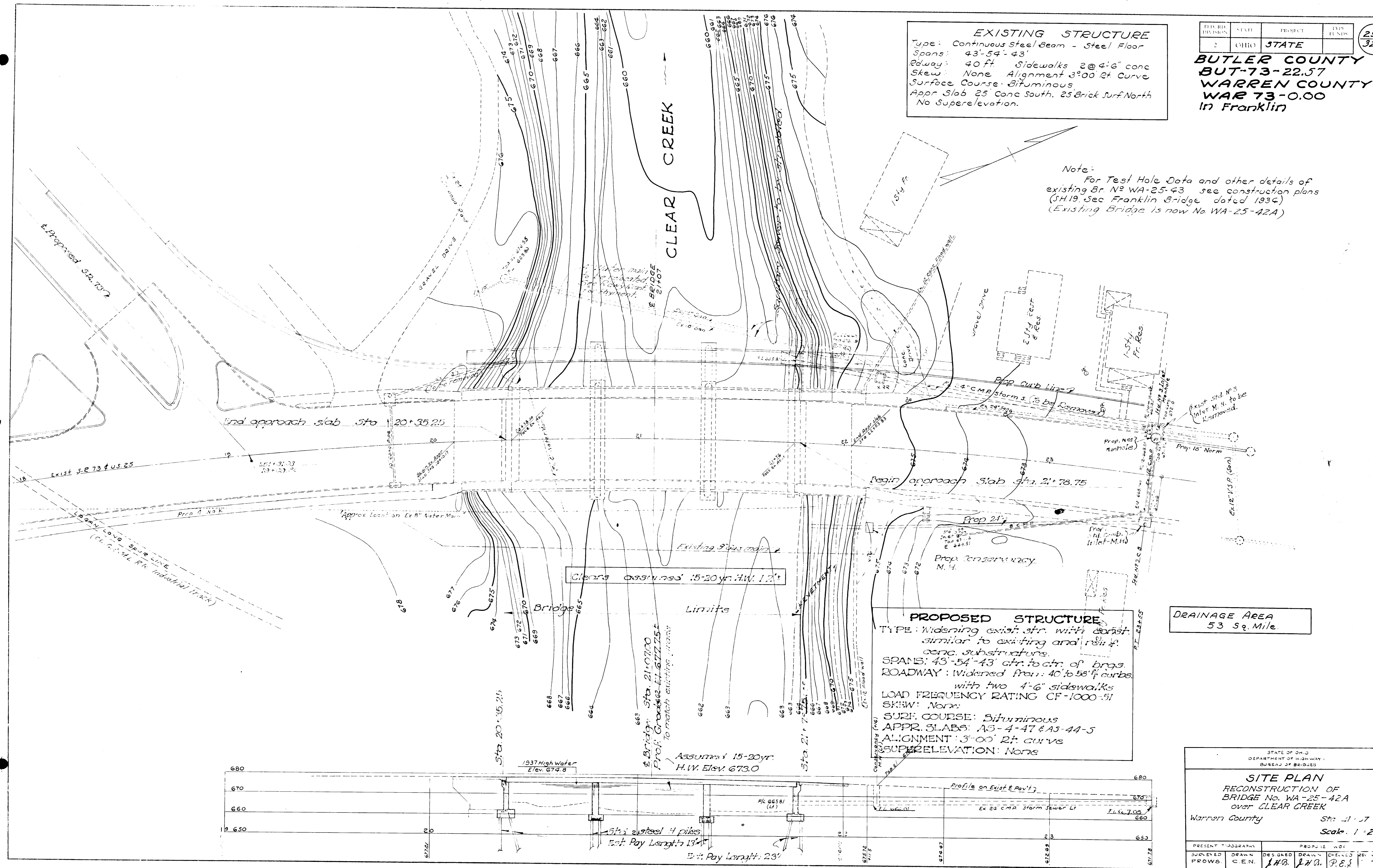
FED. RD. DIVISION	STATE	PROJECT	FY/FUNDS
2	OHIO	STATE	

294
327

**BUTLER COUNTY
BUT-73-22.57
WARREN COUNTY
WAR 73-0.00
In Franklin**

EXISTING STRUCTURE
 Type: Continuous Steel Beam - Steel Floor
 Spans: 43'-54' - 43'
 Rdway: 40 ft Sidewalks 2@4'-6" conc
 Skew: None Alignment 3°00' Rt Curve
 Surface Course: Bituminous
 Appr Slab 25' Conc South, 25' Brick Surf North
 No Superelevation.

Note:
 For Test Hole Data and other details of
 existing Br. No WA-25-43 see construction plans
 (SH.19, Sec Franklin Bridge dated 1934)
 (Existing Bridge is now No WA-25-42A)



PROPOSED STRUCTURE
 TYPE: Widening exist. str. with const. similar to existing and reinf. conc. substructure.
 SPANS: 43'-54' - 43' ctr. to ctr. of brgs.
 ROADWAY: Widened from 40' to 58' w/ curbs with two 4'-6" sidewalks
 LOAD FREQUENCY RATING CF-1000-51
 SKI-W: None
 SURF. COURSE: Bituminous
 APPR. SLABS: AS-4-47 & AS-44-5
 ALIGNMENT: 3°00' Rt. curve
 SUPERELEVATION: None

DRAINAGE AREA
53 sq. Mile.

STATE OF OHIO
 DEPARTMENT OF HIGHWAY
 BUREAU OF BRIDGES

SITE PLAN
 RECONSTRUCTION OF
 BRIDGE No. WA-25-42A
 over CLEAR CREEK
 Warren County Sta. 21+57
 Scale: 1" = 2'

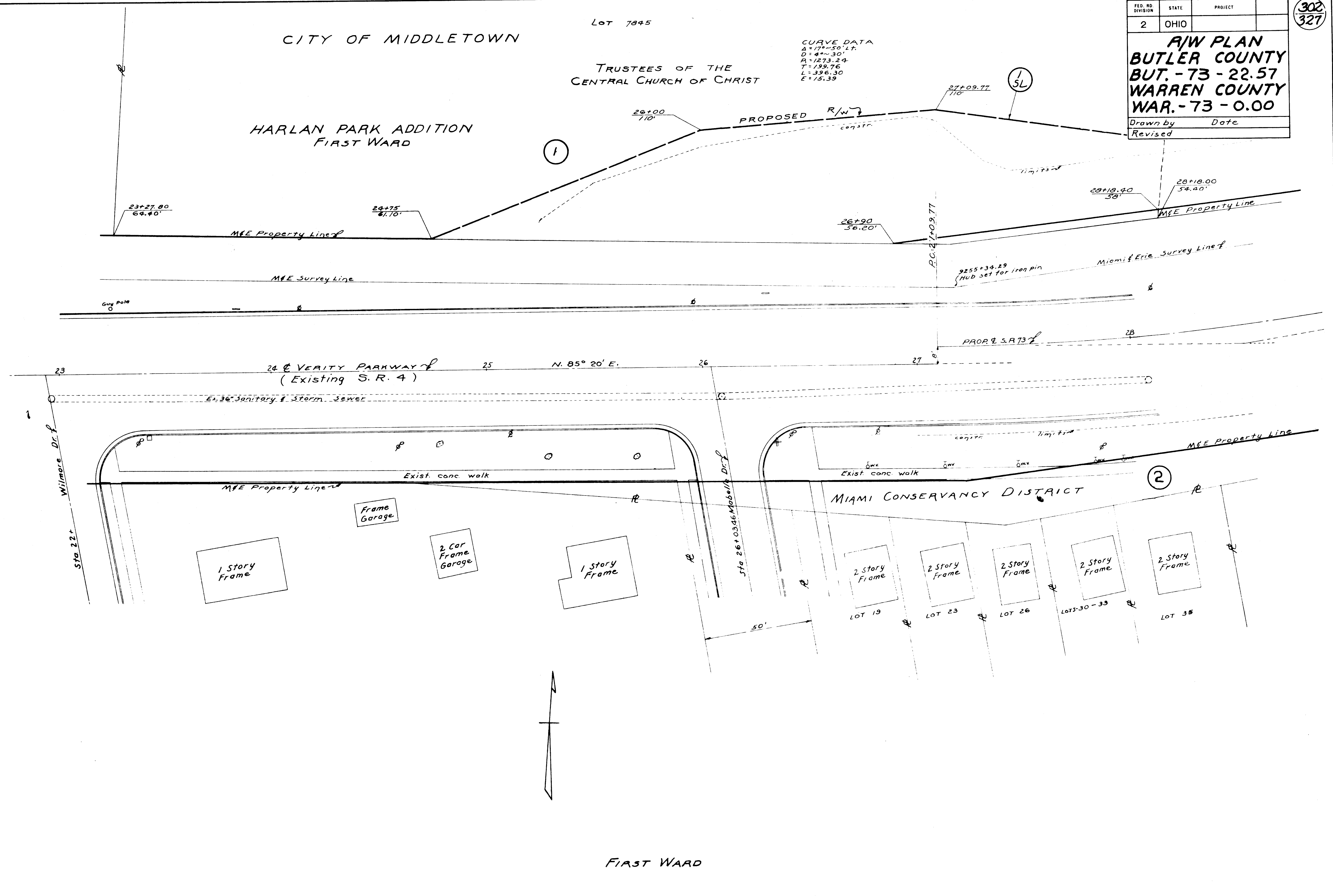
PRESENT DRAWING		PROPOSED	
DRAWN	C.E.N.	DESIGNED	CHECKED
		J.H.B.	J.H.B.
		P.E.S.	

BFG 8-23-54

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

R/W PLAN	
BUTLER COUNTY	
BUT. - 73 - 22.57	
WARREN COUNTY	
WAR. - 73 - 0.00	
Drawn by	Date
Revised	

302
327



Sta 23+00 to Sta 28+00

7995

TRUSTEES OF THE
CENTRAL CHURCH OF CHRIST

7821

CITY OF MIDDLETOWN

NOTE:
FOR PARCELS 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, & 15,
SEE R/W PLANS BUT-4-(23.10-23.22)

AVALON SUBDIVISION
SEC. 23-T.2-R.4

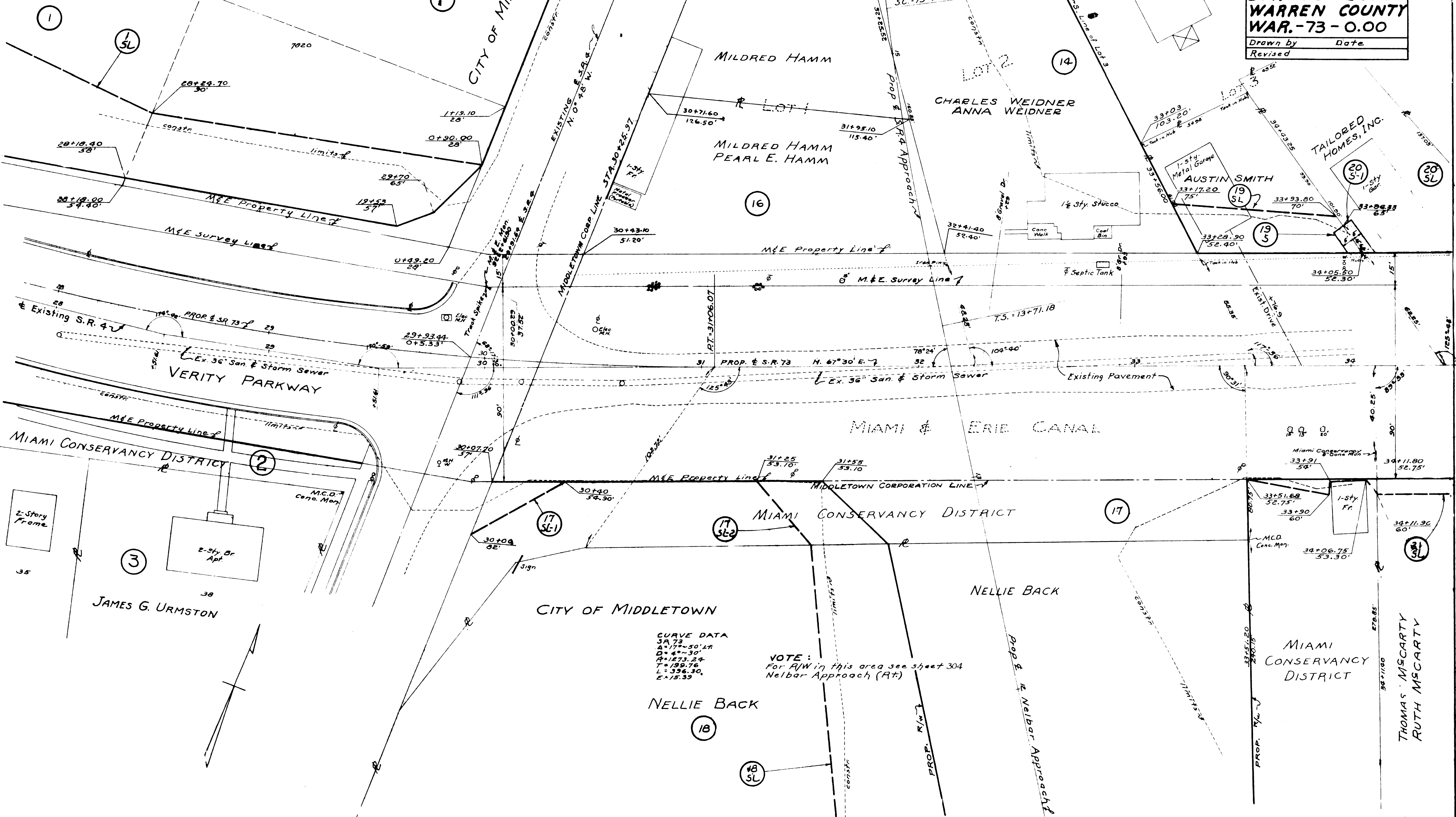
SC. 15+21.18

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

**R/W PLAN
BUTLER COUNTY
BUT.-73-22.57
WARREN COUNTY
WAR.-73-0.00**

Drawn by _____ Date _____
Revised _____

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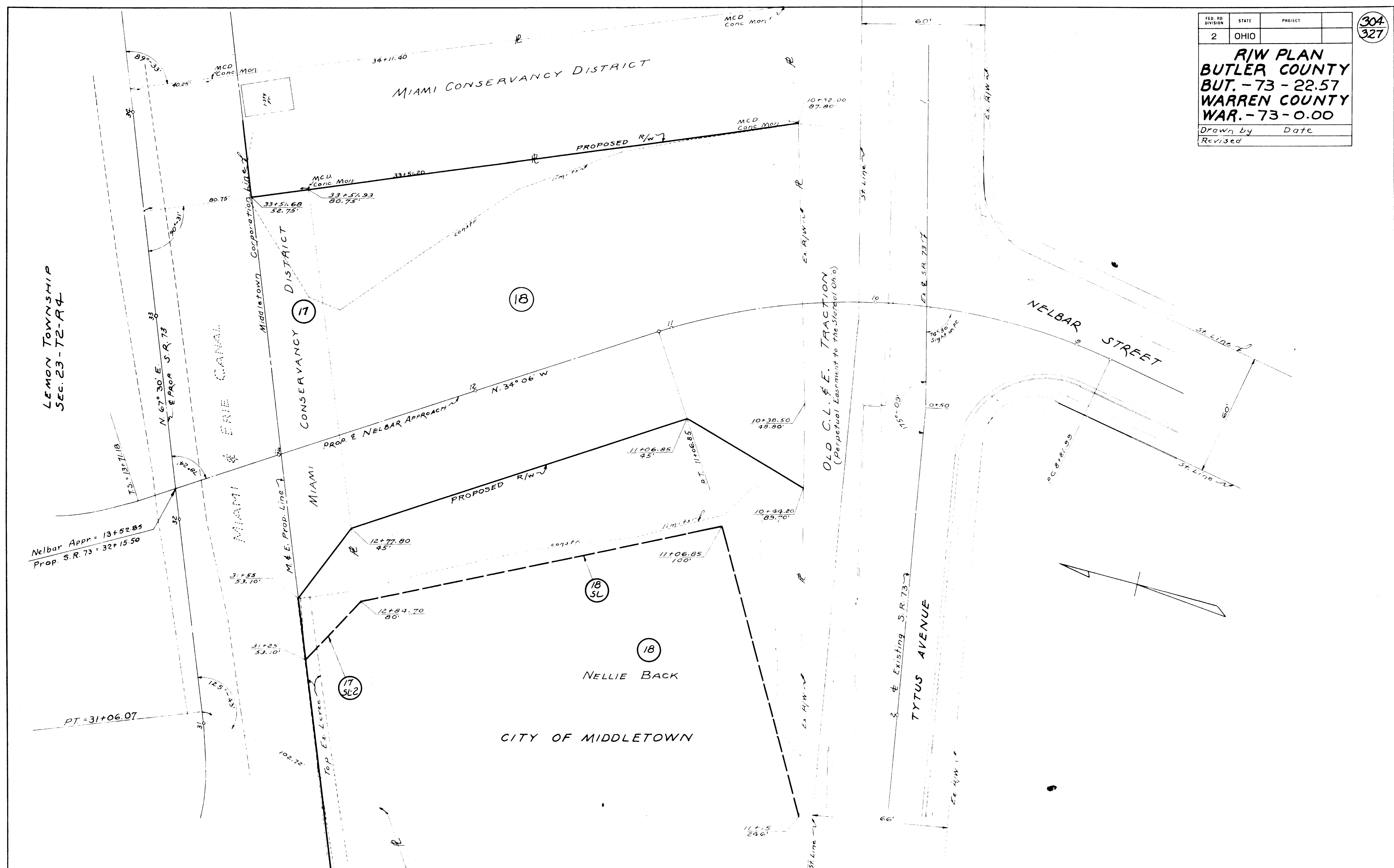
Sta 28+00 to Sta 34+00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

R/W PLAN
BUTLER COUNTY
BUT. - 73 - 22.57
WARREN COUNTY
WAR. - 73 - 0.00

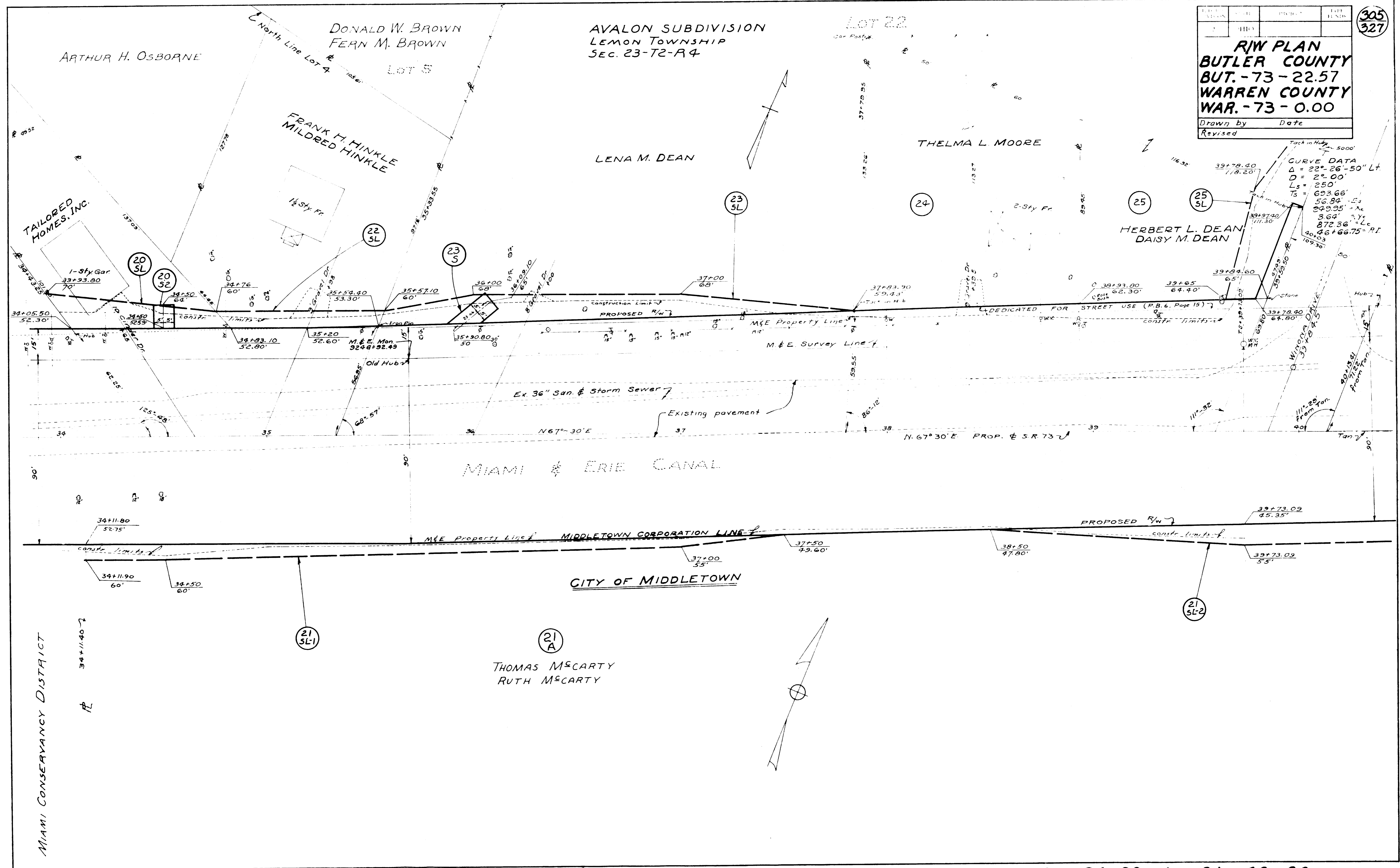
Drawn by _____ Date _____
 Revised _____

LEMON TOWNSHIP
 SEC. 23-72-R4



NELBAR APPROACH (RT.)

DATE	SCALE	PROJECT	TOP. ELEV.
R/W PLAN			
BUTLER COUNTY			
BUT.-73-22.57			
WARREN COUNTY			
WAR.-73-0.00			
Drawn by		Date	
Revised			



Curve Data

$\Delta = 22^\circ 26' 50''$	LT
$D = 2^\circ 00'$	
$L_s = 250'$	
$T_s = 603.66'$	
$56.84' = E_s$	
$249.35' = X_c$	
$3.64' = Y_c$	
$872.36' = L_c$	
$46 + 66.75 = P.I.$	
90.03	
109.30	

AVALON SUBDIVISION
LEMON TOWNSHIP
Sec. 23-T2-R4

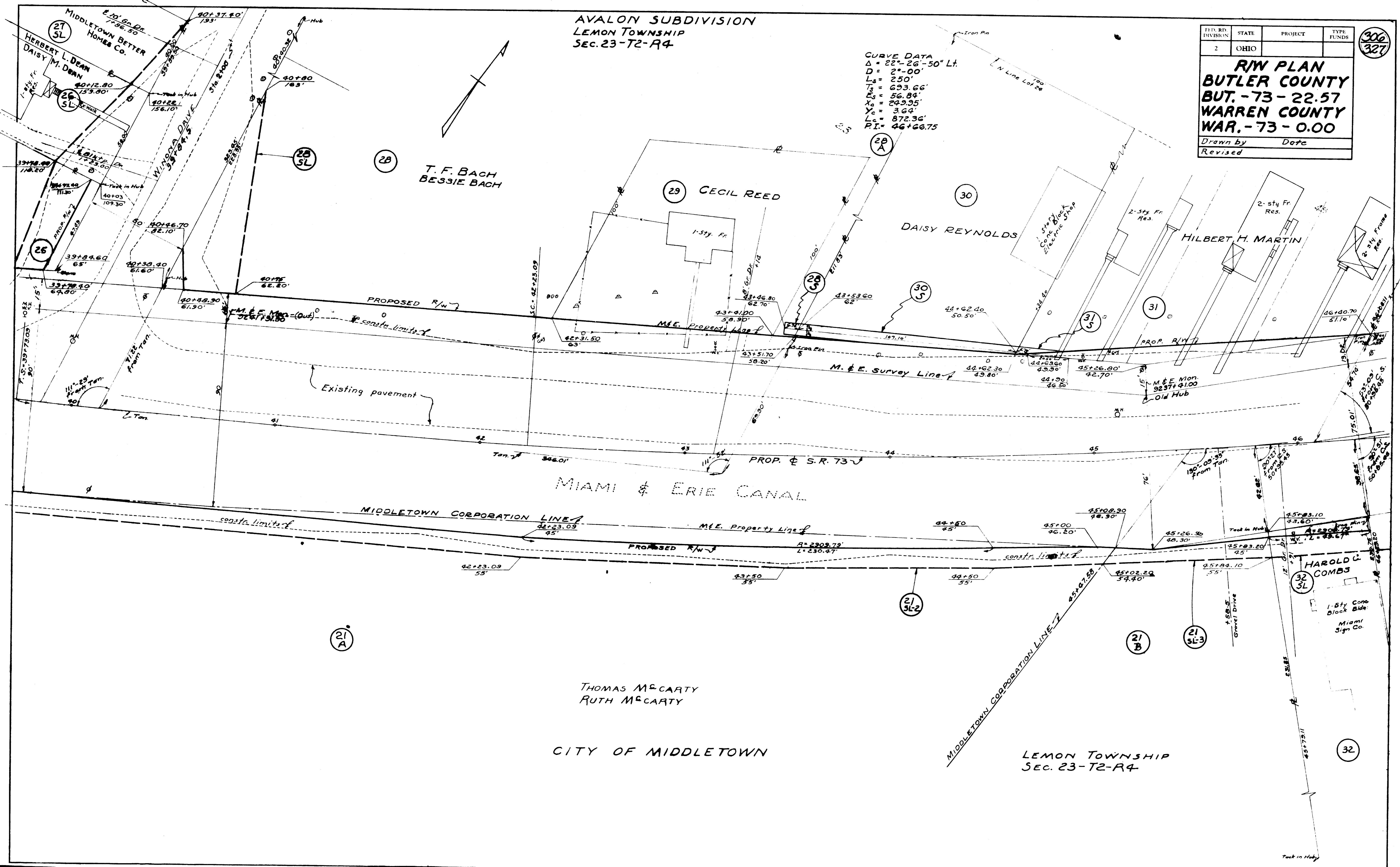
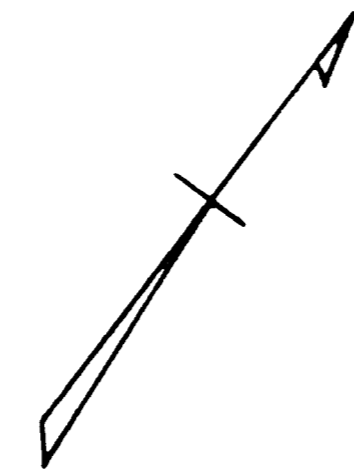
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

**R/W PLAN
BUTLER COUNTY
BUT. -73-22.57
WARREN COUNTY
WAR. -73-0.00**

Drawn by _____ Date _____
Revised _____

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CURVE DATA
 $\Delta = 22^{\circ}-26'-50''$ Lt.
 $D = 2^{\circ}-00'$
 $L_s = 250'$
 $T_s = 693.66'$
 $E_s = 56.84'$
 $X_0 = 249.95'$
 $Y_0 = 3.64'$
 $L_c = 872.36'$
 $P.I. = 46+66.75$



THOMAS McCARTY
RUTH McCARTY

CITY OF MIDDLETOWN

LEMON TOWNSHIP
SEC. 23-T2-R4

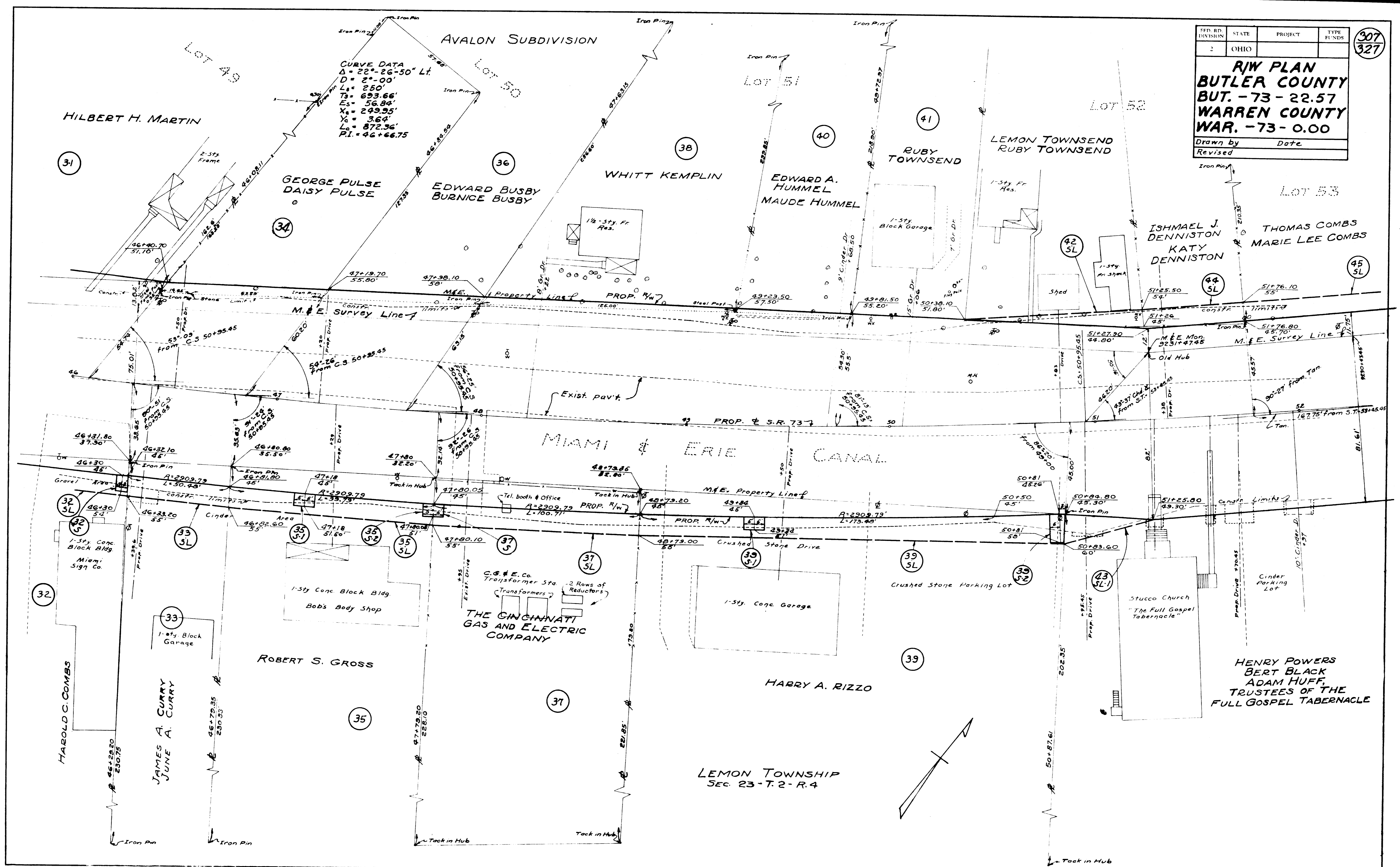
Sta 40+00 to Sta 46+00

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

(307)
(327)

**R/W PLAN
BUTLER COUNTY
BUT. -73-22.57
WARREN COUNTY
WAR. -73-0.00**

Drawn by _____ Date _____
Revised _____



Sta 46+00 to Sta 52+00

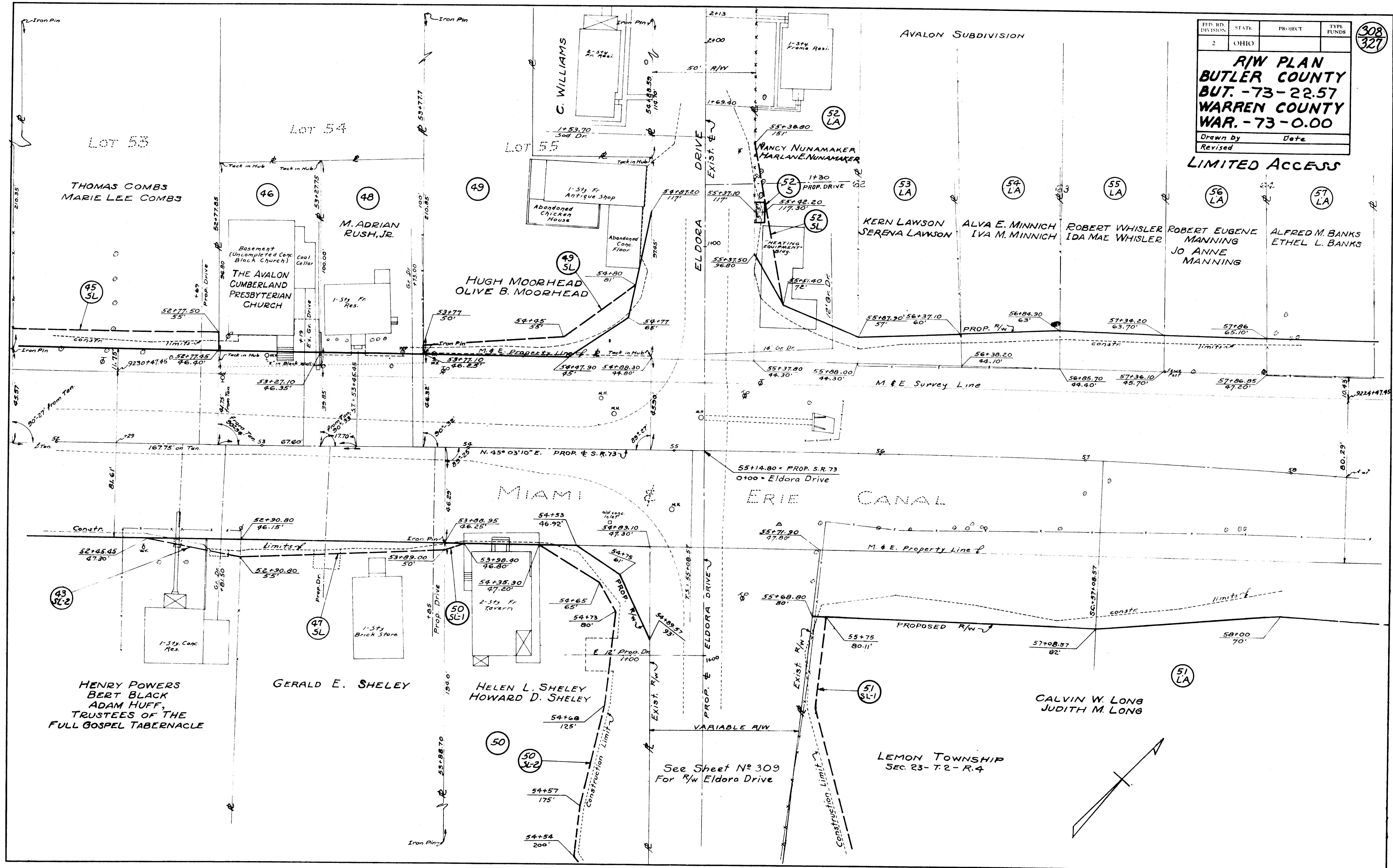
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

308
327

**R/W PLAN
BUTLER COUNTY
BUT. -73-22.57
WARREN COUNTY
WAR. -73-0.00**

Drawn by _____ Date _____
Revised _____

LIMITED ACCESS



THOMAS COMBS
MARIE LEE COMBS

LOT 54

LOT 55

AVALON SUBDIVISION

M. ADRIAN RUSH, JR.

HUGH MOORHEAD
OLIVE B. MOORHEAD

KERN LAWSON
SERENA LAWSON

ALVA E. MINNICH
IVA M. MINNICH

ROBERT WHISLER
IDA MAE WHISLER

ROBERT EUGENE MANNING
JO ANNE MANNING

ALFRED M. BANKS
ETHEL L. BANKS

HENRY POWERS
BERT BLACK
ADAM HUFF,
TRUSTEES OF THE
FULL GOSPEL TABERNACLE

GERALD E. SHELEY

HELEN L. SHELEY
HOWARD D. SHELEY

CALVIN W. LONG
JUDITH M. LONG

See Sheet No 309
For R/W Eldora Drive

LEMON TOWNSHIP
SEC. 23-T. 2-R. 4

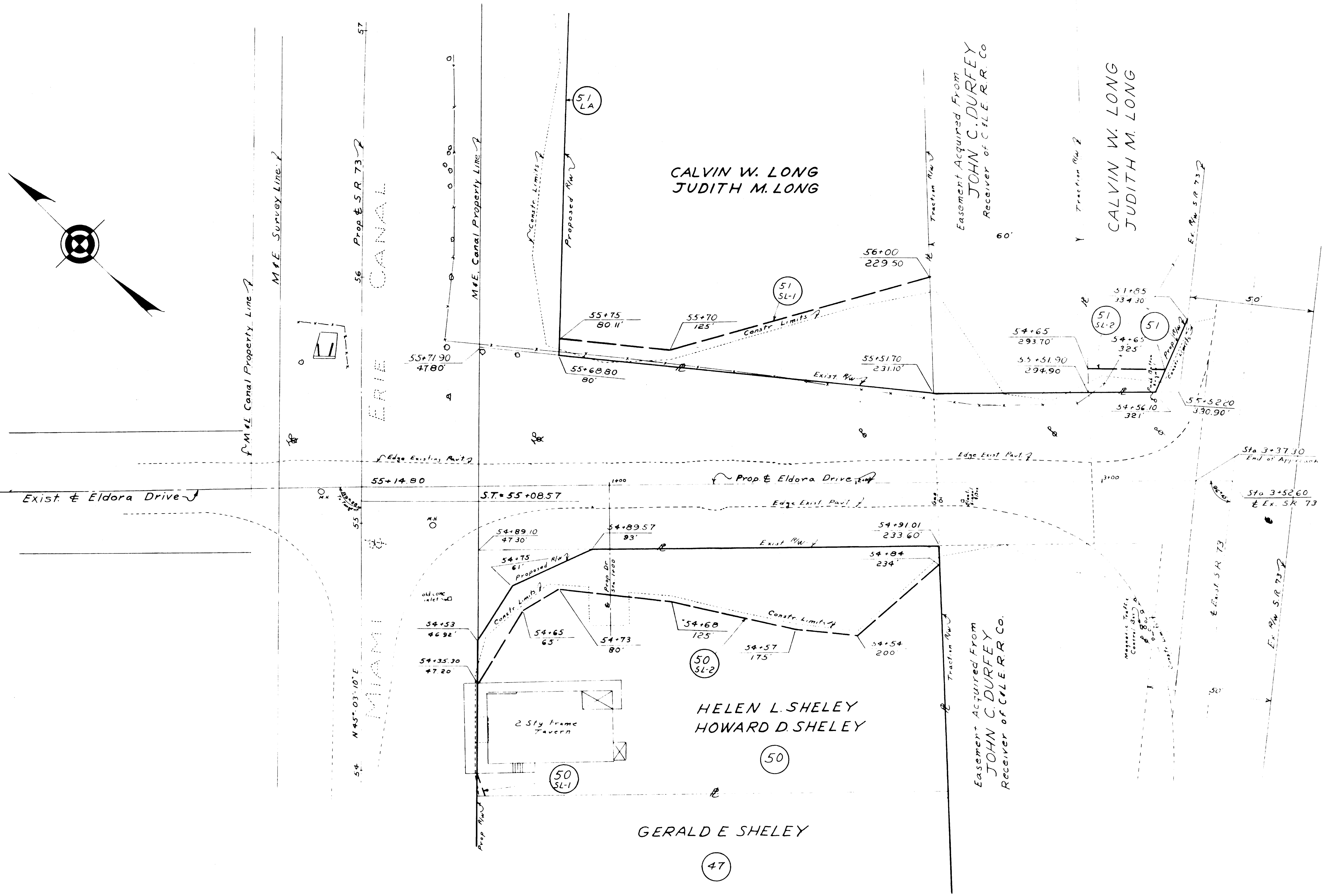
Sta 52+00 to Sta 58+00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

R/W PLAN
 BUTLER COUNTY
 BUT. -73-22.57
 WARREN COUNTY
 WAR. -73-0.00

Drawn by _____ Date _____
 Revised _____

309
327



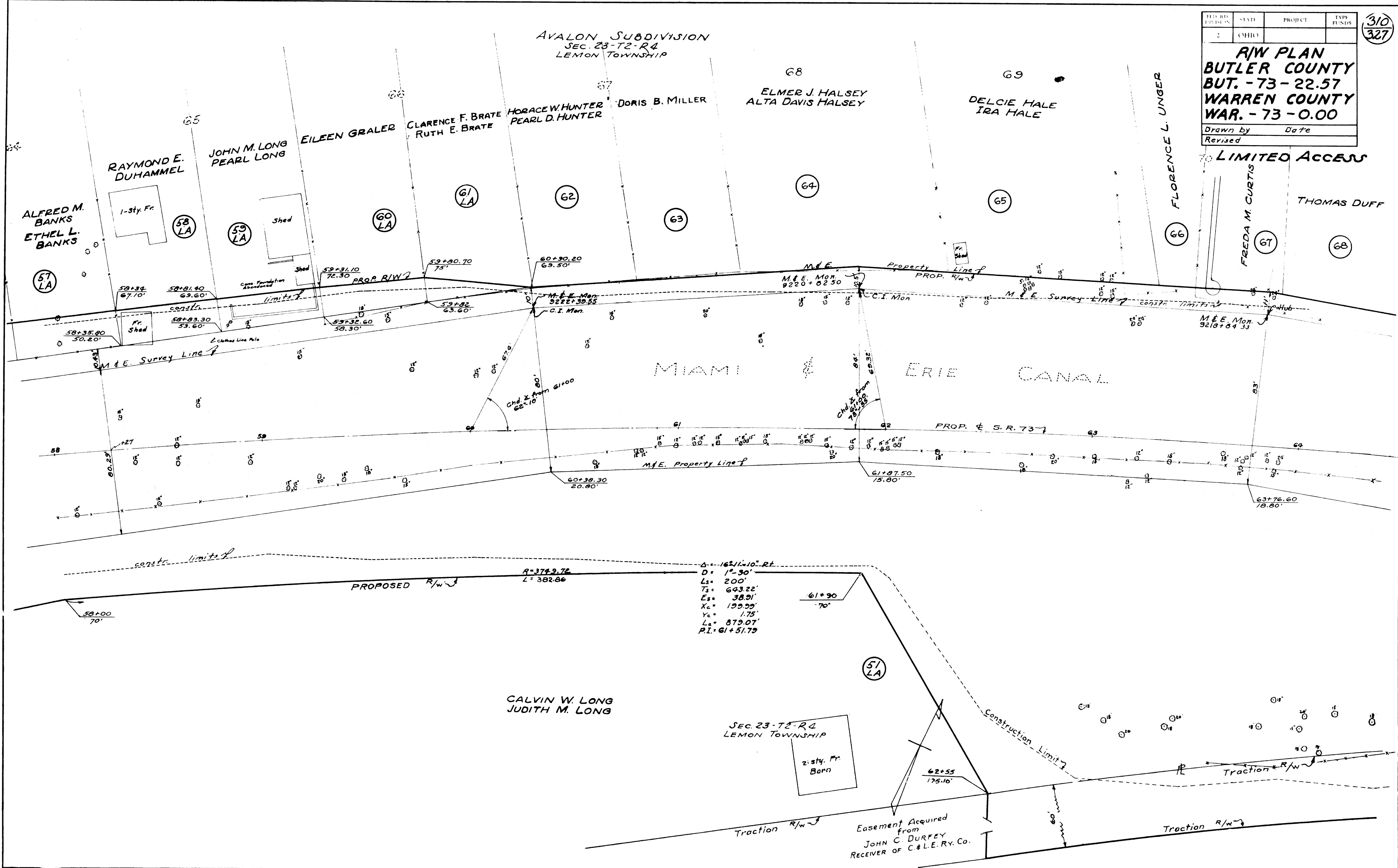
SEC 23-T2-R4
 LEMON TOWNSHIP

ELDORA DRIVE Sta. 55+14.80 RT.

FD 40	STATE	PROJECT	TYPE
DIVISION			FUNDS
2	OHIO		
R/W PLAN			
BUTLER COUNTY			
BUT. - 73 - 22.57			
WARREN COUNTY			
WAR. - 73 - 0.00			
Drawn by		Date	
Revised			

(310)
(327)

AVALON SUBDIVISION
SEC. 23-T2-R4
LEMON TOWNSHIP



$\Delta = 16211.10'$	RT
$D = 1^{\circ} 30'$	
$L_s = 200'$	
$T_s = 643.22'$	
$E_s = 38.91'$	
$X_c = 199.99'$	
$Y_c = 1.75'$	
$L_a = 879.07'$	
$P.I. = 61+51.79$	

Sta 58+00 to Sta 64+00

AVALON SUBDIVISION
SEC. 23-T2-R4
LEMON TOWNSHIP

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

311
327

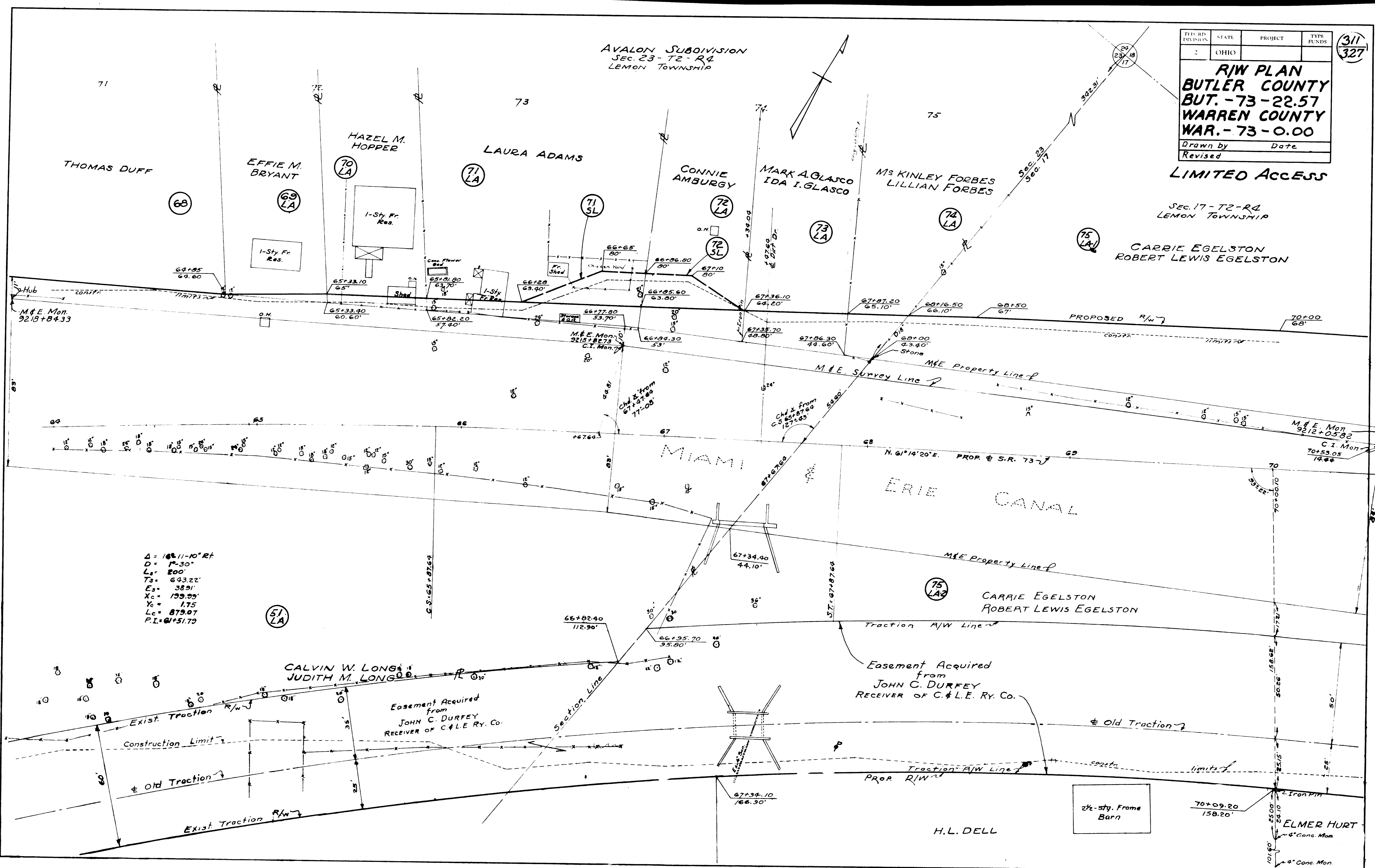
**R/W PLAN
BUTLER COUNTY
BUT. - 73-22.57
WARREN COUNTY
WAR. - 73-0.00**

Drawn by _____ Date _____
Revised _____

LIMITED ACCESS

SEC. 17-T2-R4
LEMON TOWNSHIP

CARRIE EGELSTON
ROBERT LEWIS EGELSTON



$\Delta = 109.11-10^{\circ} 21'$
 $D = 1^{\circ} 30'$
 $L_s = 200'$
 $T_s = 643.22'$
 $E_s = 38.91'$
 $X_c = 139.99'$
 $Y_c = 1.75'$
 $L_c = 879.87'$
 $P.I. = 61^{\circ} 51.79'$

Sta 64+00 to Sta 70+00

LEMON TOWNSHIP
SEC. 17-T.2-R.4

LEMON TOWNSHIP
SEC. 18-T.2-R.4

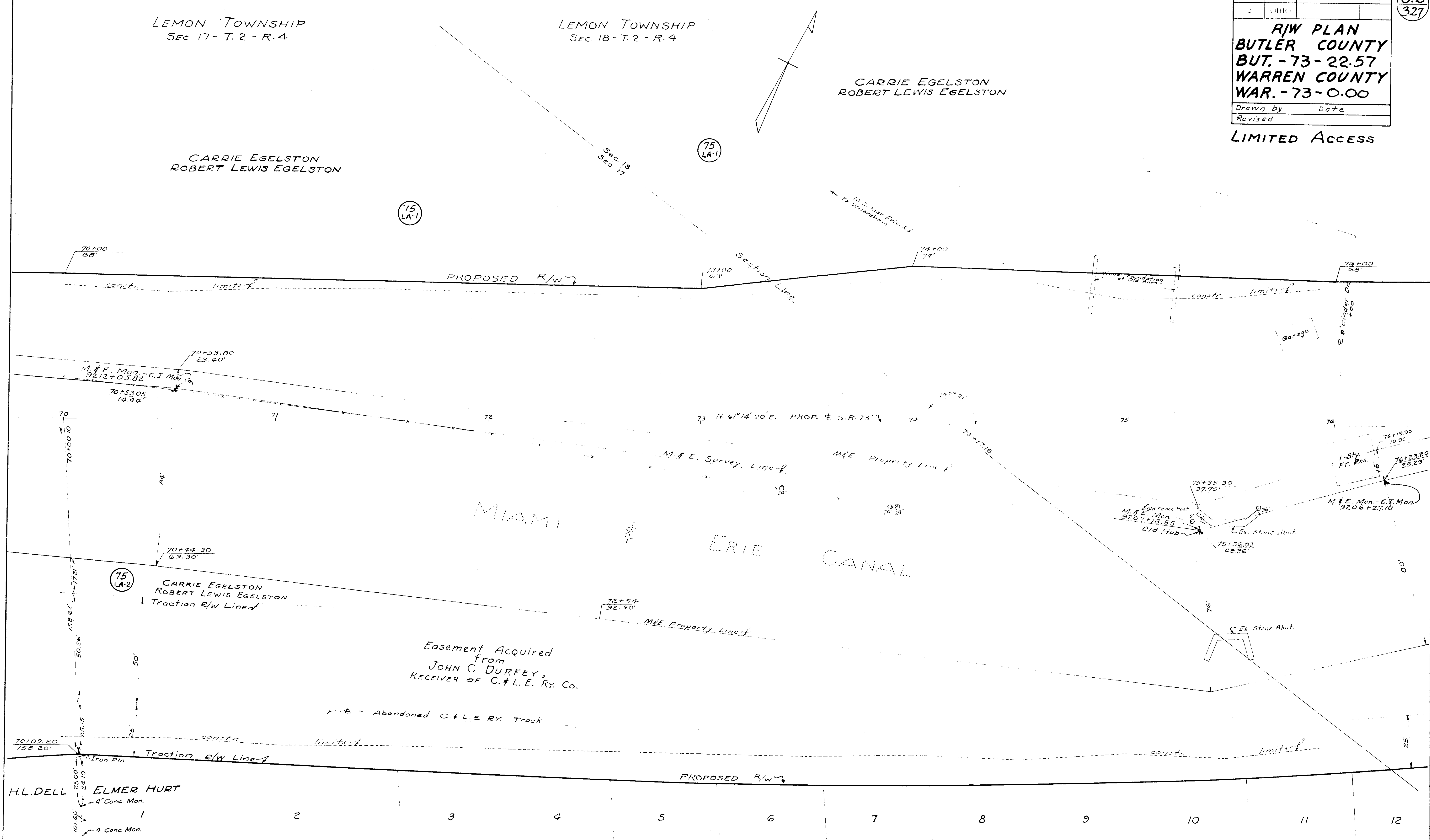
PROJECT	DATE	PROJECT	TITLE
2	OHIO		
R/W PLAN BUTLER COUNTY BUT. - 73-22.57 WARREN COUNTY WAR. - 73-0.00			
Drawn by		Date	
Revised			

312
327

CARRIE EGELSTON
ROBERT LEWIS EGELSTON

CARRIE EGELSTON
ROBERT LEWIS EGELSTON

LIMITED ACCESS



Easement Acquired
from
JOHN C. DURFEY,
RECEIVER OF C. & L. E. RY. CO.

H.L. DELL
ELMER HURT
4" Conc. Mon.
9 Conc. Mon.

WEST MAPLE PARK
SECTION 17 T2-R4 LEMON TWP.

Sta 70+00 to Sta 76+00

SEC 18-T2-R4
LEMON TOWNSHIP

$\Delta = 23^{\circ} - 56' - 40''$ Lt.
 $D = 4^{\circ} - 00'$
 $L_s = 400'$
 $R_c = 1432.90'$
 $T_s = 502.59'$
 $L_c = 198.61'$
 $E_s = 30.65'$
 $X_c = 399.22'$
 $Y_c = 18.59'$
 $P.I. = 84+70.00$

DATE	DATE	PROJECT	DATE
REVISED	REVISED	REVISED	REVISED

313
327

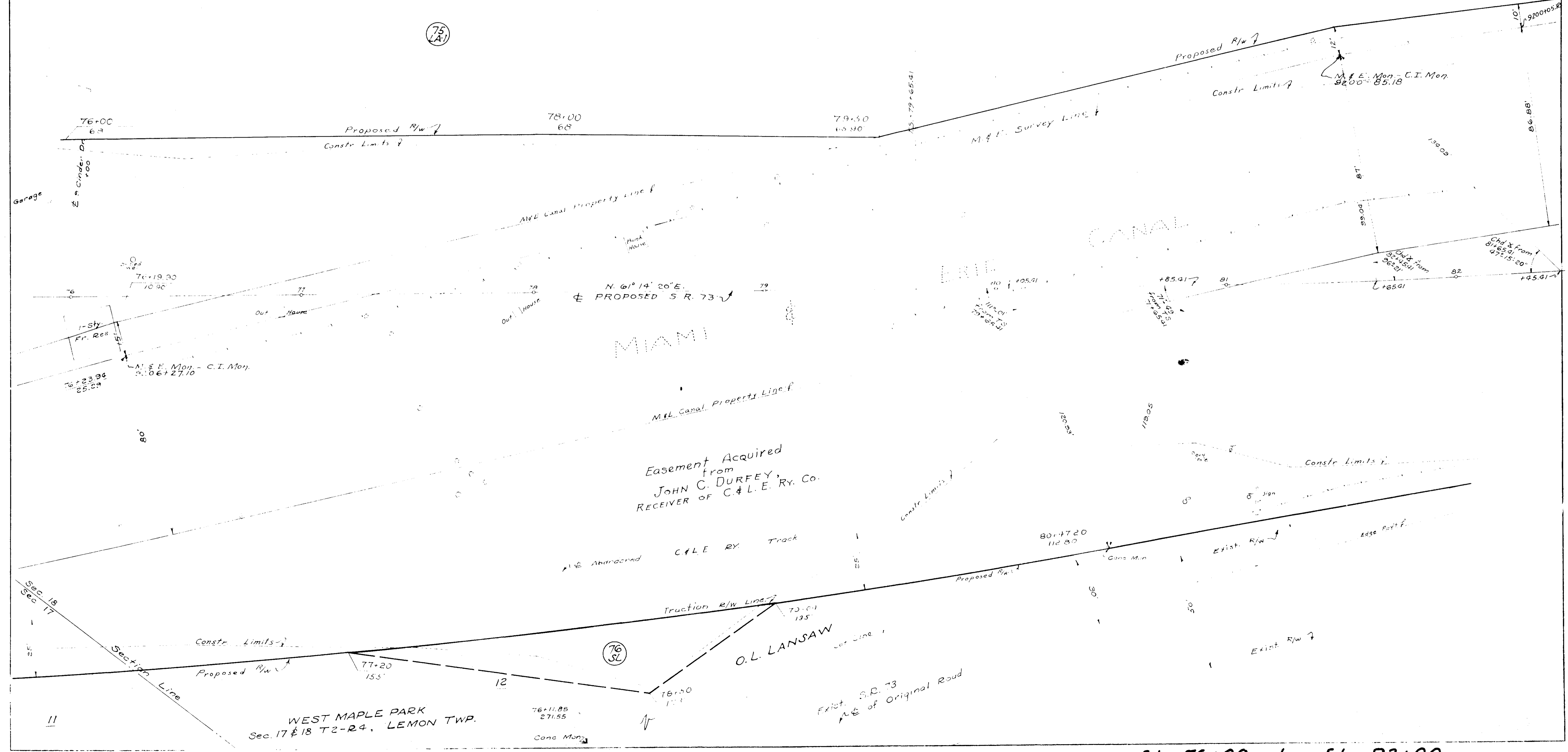
R/W PLAN
BUTLER COUNTY
BUT. -73-22.57
WARREN COUNTY
WAR. -73-0.00

Drawn by _____ Date _____
 Revised _____

LIMITED ACCESS

CARLIE EGELSTON
ROBERT LEWIS EGELSTON

(75 LA)



Easement Acquired
from
JOHN C. DURFEY,
RECEIVER OF C. & L. E. RY. CO.

O.L. LANSAW

WEST MAPLE PARK
Sec. 17 & 18 T2-R4, LEMON TWP.

Sta 76+00 to Sta 82+00

F.D. NO.	STATE	PROJECT	TYPE FUNDS
2	OHIO		

314
327

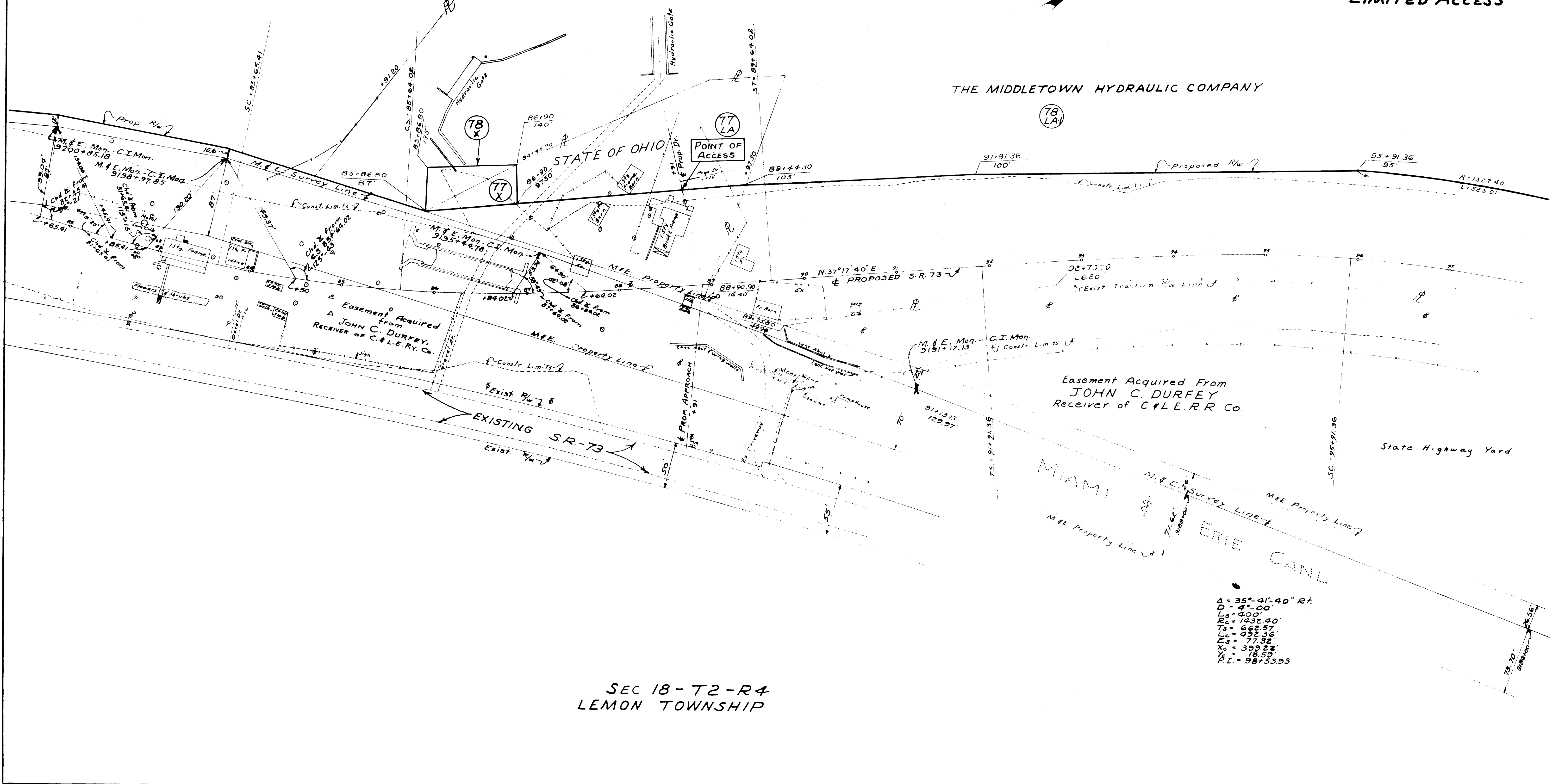
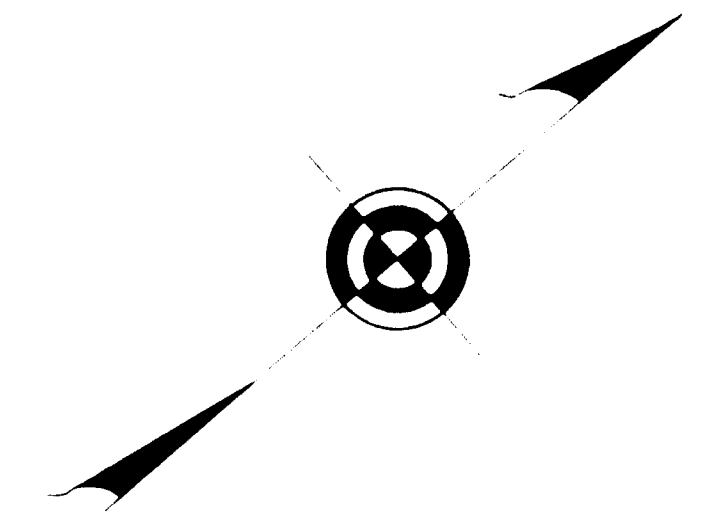
R/W PLAN
BUTLER COUNTY
BUT. -73- 22.57
WARREN COUNTY
WAR. -73- 0.00

Drawn by _____ Date _____
 Revised _____

LIMITED ACCESS

$\Delta = 23^{\circ}56'40''$ Lt.
 $D = 4^{\circ}00'$
 $L_s = 400'$
 $R_c = 1432.40'$
 $T_b = 504.59'$
 $L_c = 198.61'$
 $E_s = 36.65'$
 $X_g = 399.22'$
 $Y_c = 18.59'$
 $P.I. = 84+70.00$

CARRIE EGELSTON
 ROBERT LEWIS EGELSTON



THE MIDDLETOWN HYDRAULIC COMPANY

STATE OF OHIO

Easement Acquired From
 JOHN C. DURFEY
 Receiver of C. & L. E. R. R. Co.

State Highway Yard

MIAMI
 M. & E. Survey Line
 ERIE
 CANAL

$\Delta = 35^{\circ}41'40''$ Rt.
 $D = 4^{\circ}00'$
 $L_s = 400'$
 $R_c = 1432.40'$
 $T_b = 682.57'$
 $L_c = 452.36'$
 $E_s = 77.32'$
 $X_g = 399.22'$
 $Y_c = 18.59'$
 $P.I. = 98+53.93$

SEC 18-T2-R4
 LEMON TOWNSHIP

Sta 82+00 to Sta 97+00

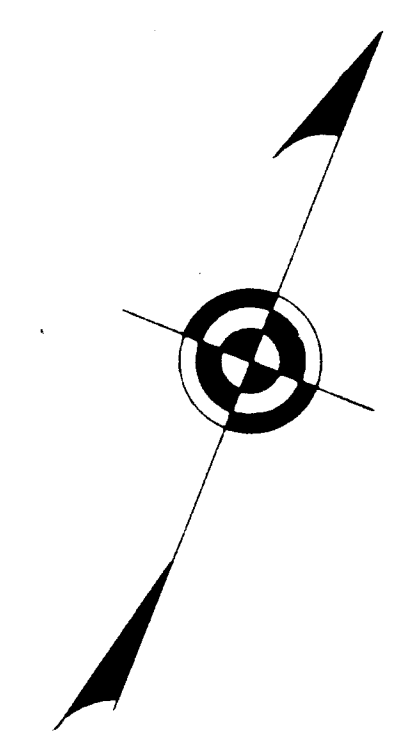
TDY RD DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

315
327

R/W PLAN
BUTLER COUNTY
BUT. -73-22.57
WARREN COUNTY
WAR. -73-0.00

Drawn by _____ Date _____
Revised _____

$\Delta = 35^{\circ}41'40''$ Rt
 $D = 4^{\circ}00'$
 $L_s = 400'$
 $R_c = 1432.40'$
 $T_s = 662.37'$
 $L_t = 435.96'$
 $E_s = 77.32'$
 $X_c = 399.22'$
 $Y_c = 18.55'$
 $P.I. = 98^{\circ}53.93'$

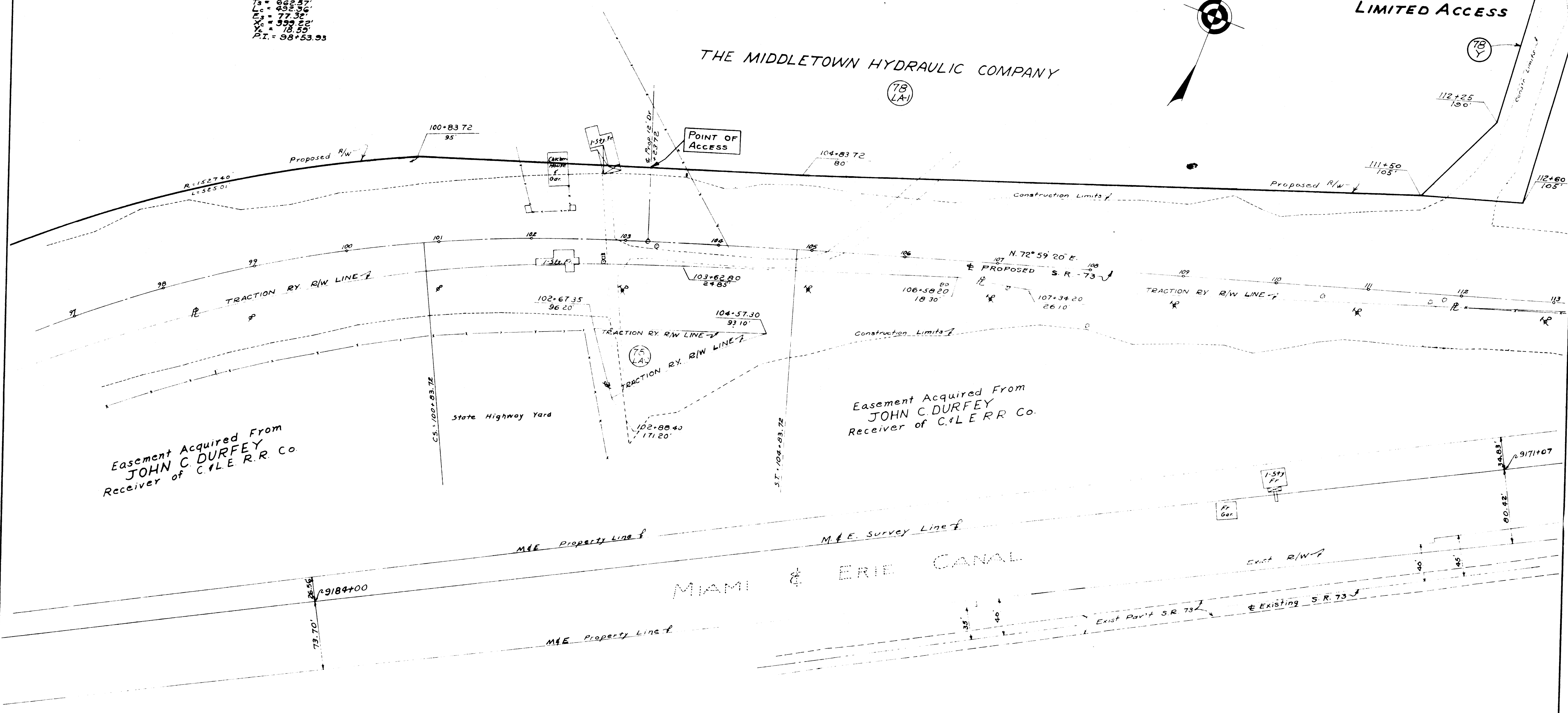


LIMITED ACCESS

THE MIDDLETOWN HYDRAULIC COMPANY

(78 LA)

POINT OF ACCESS



Easement Acquired From
JOHN C. DURFEY
Receiver of C. & L. E. R. R. Co.

Easement Acquired From
JOHN C. DURFEY
Receiver of C. & L. E. R. R. Co.

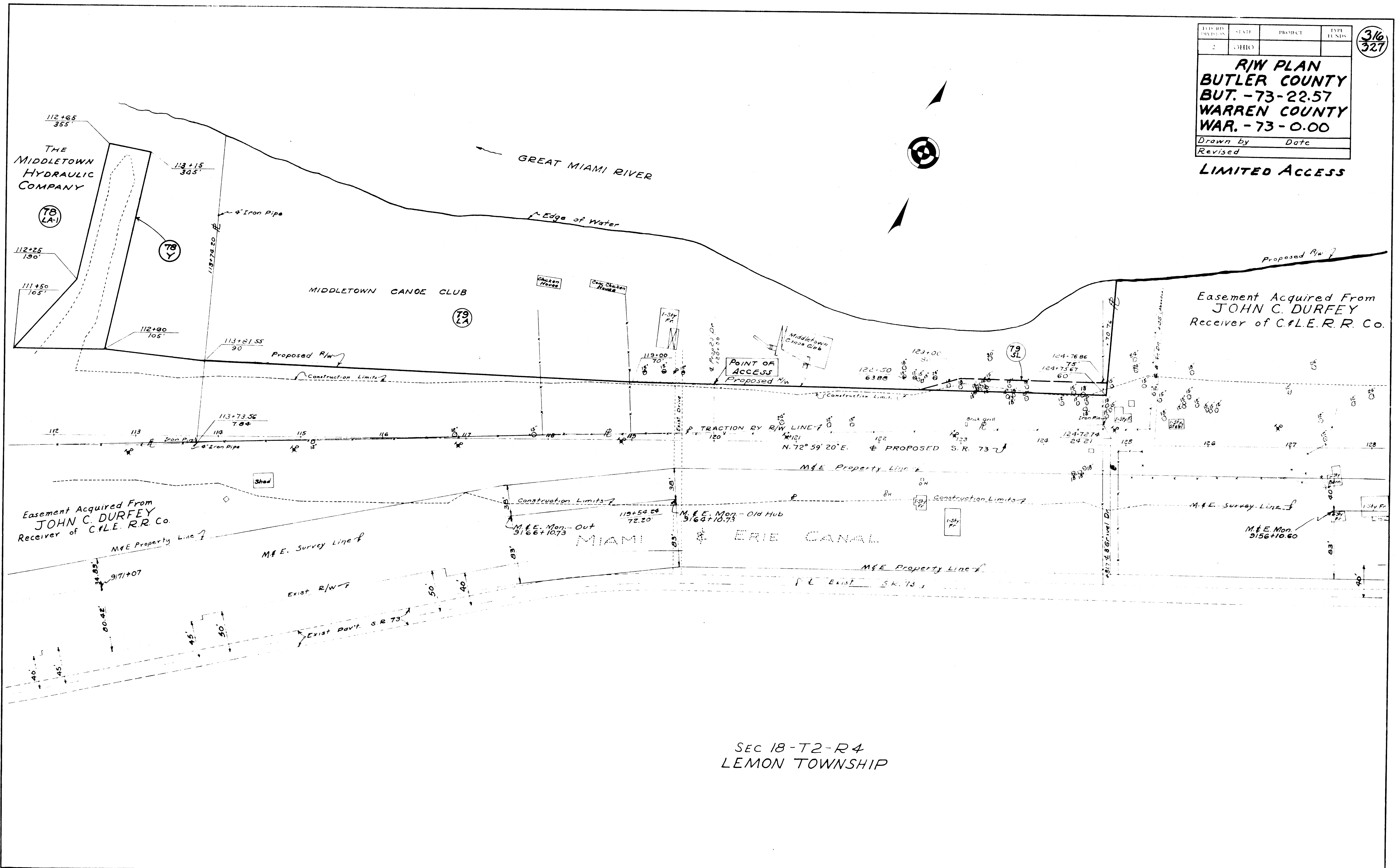
SEC 18-T2-R4
LEMON TOWNSHIP

Sta 97+00 to Sta 112+00

FILE NO.	STATE	PROJECT	TYPE
2	OHIO		FUNDS

316
327

**R/W PLAN
BUTLER COUNTY
BUT. - 73-22.57
WARREN COUNTY
WAR. - 73-0.00**
 Drawn by _____ Date _____
 Revised _____
LIMITED ACCESS



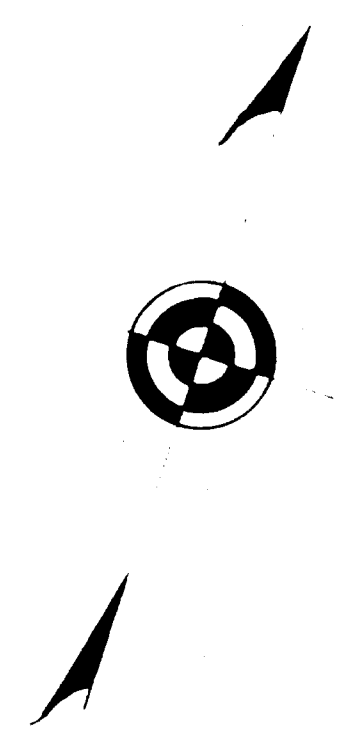
SEC 18-T2-R4
LEMON TOWNSHIP

Sta 112+00 to Sta 127+00

317
327

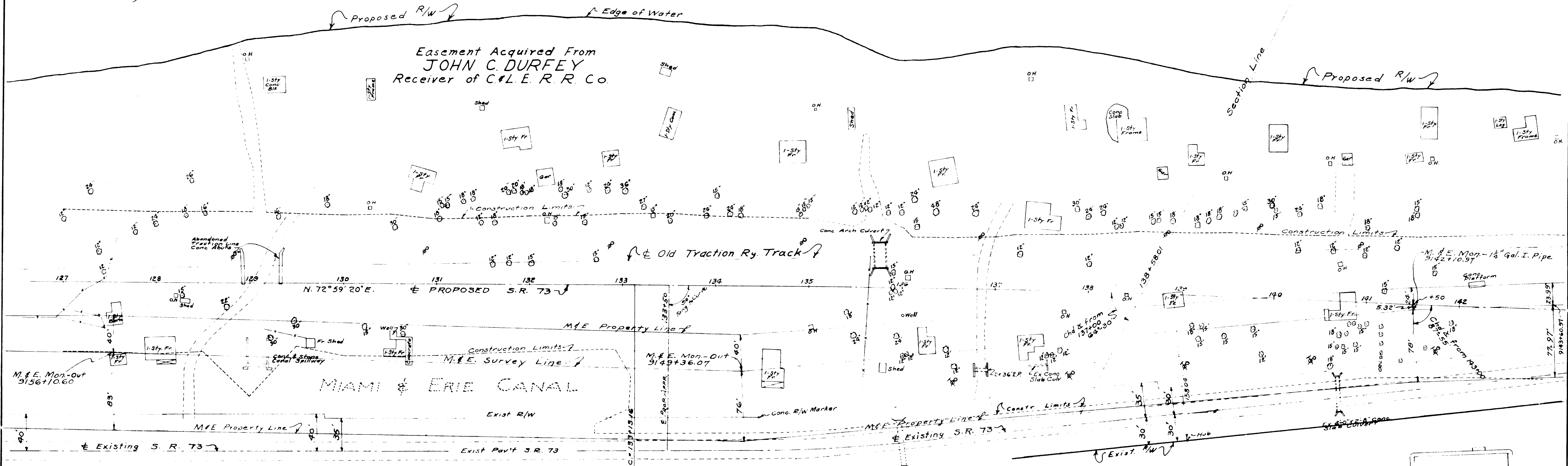
1	DATE	PROJECT	TYPE FUNDS
2	OHIO		
R/W PLAN BUTLER COUNTY BUT.-73-22.57 WARREN COUNTY WAR.-73-0.00			
Drawn by		Date	
Revised			

LIMITED ACCESS



GREAT MIAMI RIVER

Easement Acquired From
JOHN C. DURFEY
Receiver of C. & L. E. R. R. Co.



$\Delta = 6^{\circ}10'40''$ Lt.
 $D = 0^{\circ}14'$
 $R = 24555.33'$
 $E = 35.73'$
 $T = 1325.11'$
 $L = 2647.66'$
 $PI = 146+38.27$

Conc. Block
 Garage
 GEORGE E. KUHN
 ROBERT J. KUHN

80

PEARL J. RANDALL

SEC 18-T2-R4
LEMON TOWNSHIP

SEC 12-T2-R4
LEMON TOWNSHIP

Sta 127+00 to Sta 142+00

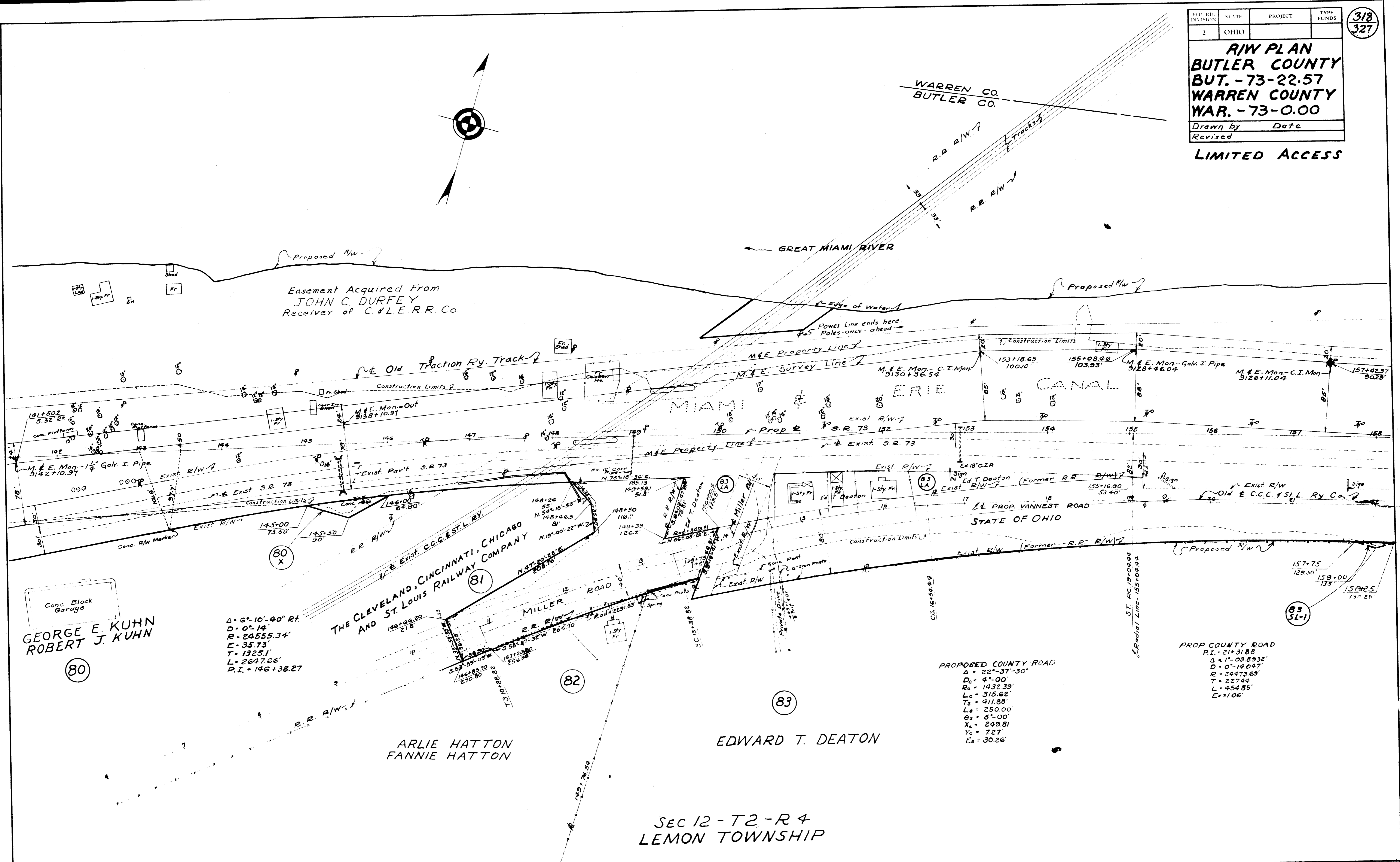
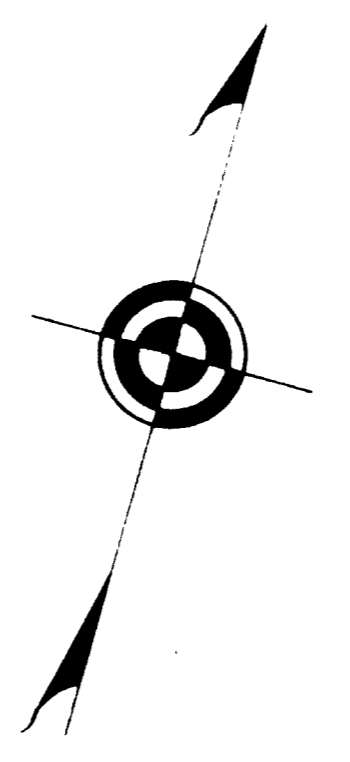
PLANS DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

318
327

R/W PLAN
BUTLER COUNTY
BUT. - 73-22.57
WARREN COUNTY
WAR. - 73-0.00

Drawn by _____ Date _____
Revised _____

LIMITED ACCESS



Easement Acquired From
JOHN C. DURFEY
Receiver of C. & L. E. R. R. Co.

Conc. Block
Garage

GEORGE E. KUHN
ROBERT J. KUHN

$\Delta = 6^{\circ}10'40''$ RT
 $D = 0^{\circ}14'$
 $R = 24555.34'$
 $E = 35.73'$
 $T = 1325.1'$
 $L = 2647.66'$
 $P.I. = 146+38.27$

**THE CLEVELAND, CINCINNATI, CHICAGO
AND ST. LOUIS RAILWAY COMPANY**

ARLIE HATTON
FANNIE HATTON

EDWARD T. DEATON

SEC 12 - T2 - R 4
LEMON TOWNSHIP

PROPOSED COUNTY ROAD
 $\Delta = 22^{\circ}37'30''$
 $D_c = 4^{\circ}00'$
 $R_c = 1432.39'$
 $L_c = 315.62'$
 $T_s = 411.88'$
 $L_s = 250.00'$
 $\theta_s = 6^{\circ}00'$
 $X_c = 249.81'$
 $Y_c = 7.27'$
 $E_s = 30.26'$

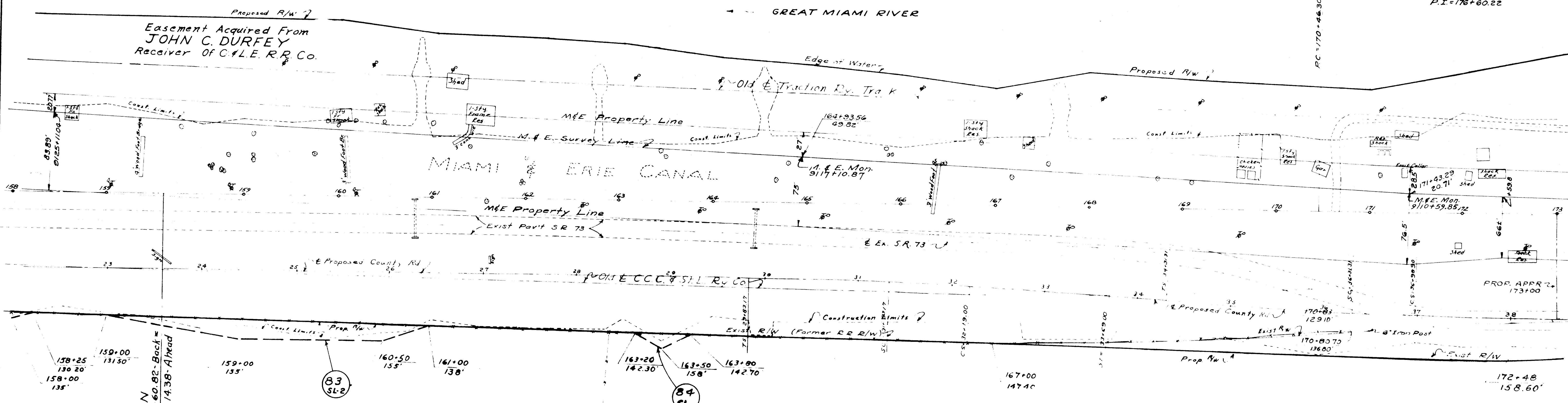
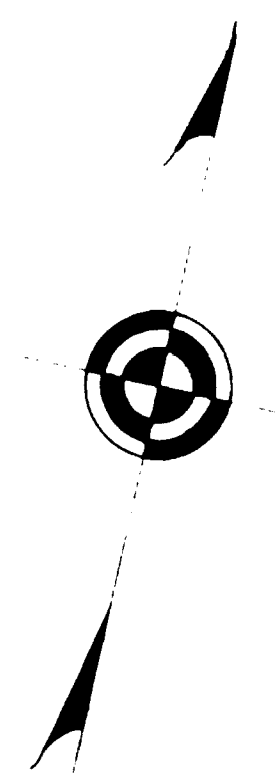
PROP COUNTY ROAD
 $P.I. = 21+31.88$
 $\Delta = 1^{\circ}03'53.32''$
 $D = 0^{\circ}14'04.97''$
 $R = 24473.63'$
 $T = 227.44'$
 $L = 454.85'$
 $Ex = 1.06'$

Sta 142+00. to Sta 158+00

DESIGN NUMBER	SCALE	PROJECT
-	CHIO	
R/W PLAN BUTLER COUNTY BUT. 73 - 22.57 WARREN COUNTY WAR. 73 - 0.00		
Drawn by	Date	
Revised		

LIMITED ACCESS

$\Delta = 6^{\circ}08'Lt$
 $D = 0^{\circ}30'$
 $R = 1459.16'$
 $L = 613.92'$
 $T = 1226.67'$
 $E = 10.63'$
 $P.I. = 176+60.22$



EQUATION
 P.T. Sta. 159+60.82-Back =
 Sta. 158+14.38-Ahead

(83)
EDWARD T. DEATON

PROPOSED COUNTY ROAD
 $\Delta = 4^{\circ}43' Rt$
 $D = 2^{\circ}00'$
 $R = 2864.79'$
 $L = 85.83'$
 $T = 193.00'$
 $L_s = 150.00'$
 $\theta_s = 1^{\circ}30'$
 $X_c = 149.99'$
 $Y_c = 131'$
 $P.I. = 31+76.17$

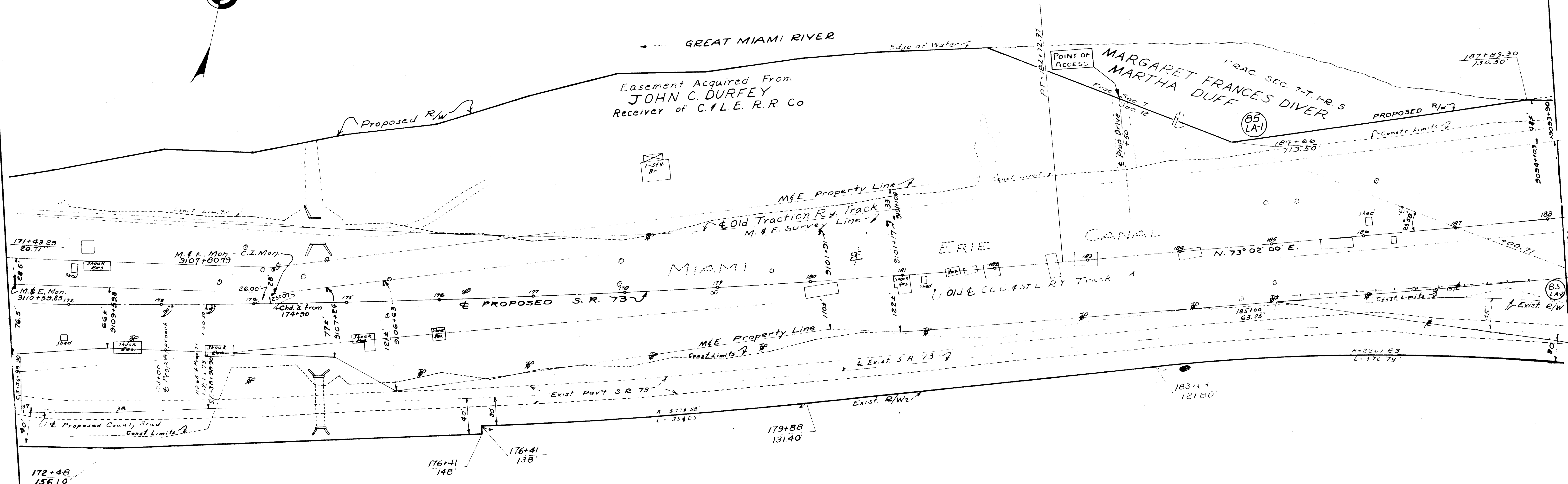
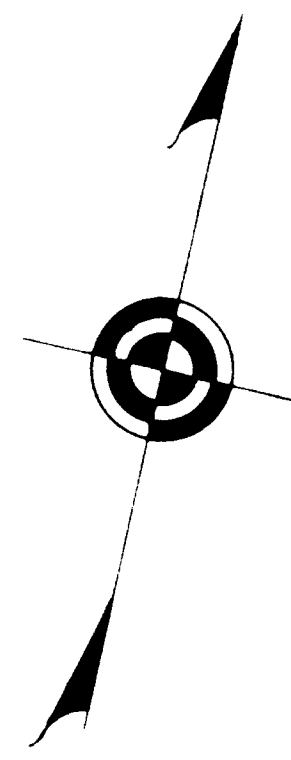
(84)
**J. ROBERT BROWN
PHILIP BROWN
BETTY M. SCOTT**

PROPOSED COUNTY ROAD
 $\Delta = 8^{\circ}01'40' Lt$
 $D = 3^{\circ}00'$
 $R = 1909.86'$
 $L = 67.59'$
 $T = 234.14'$
 $L_s = 200.00'$
 $\theta_s = 3^{\circ}00'$
 $X_c = 199.95'$
 $Y_c = 34.9'$
 $E_s = 5.3'$
 $P.I. = 36+63.45$

SEC 12 - T2 - R4
 LEMON TOWNSHIP

LIMITED ACCESS

Δ = 6°08' Lt.
D = 0°-30'
R12 = 11453.16'
L = 613.92'
P.L. = 1226.67'
P.L. = 176+60.22



(84)

J. ROBERT BROWN
PHILIP BROWN
BETTY M. SCOTT

SEC 12-T2-R4
LEMON TOWNSHIP

Sta 172+00 to Sta 187+00

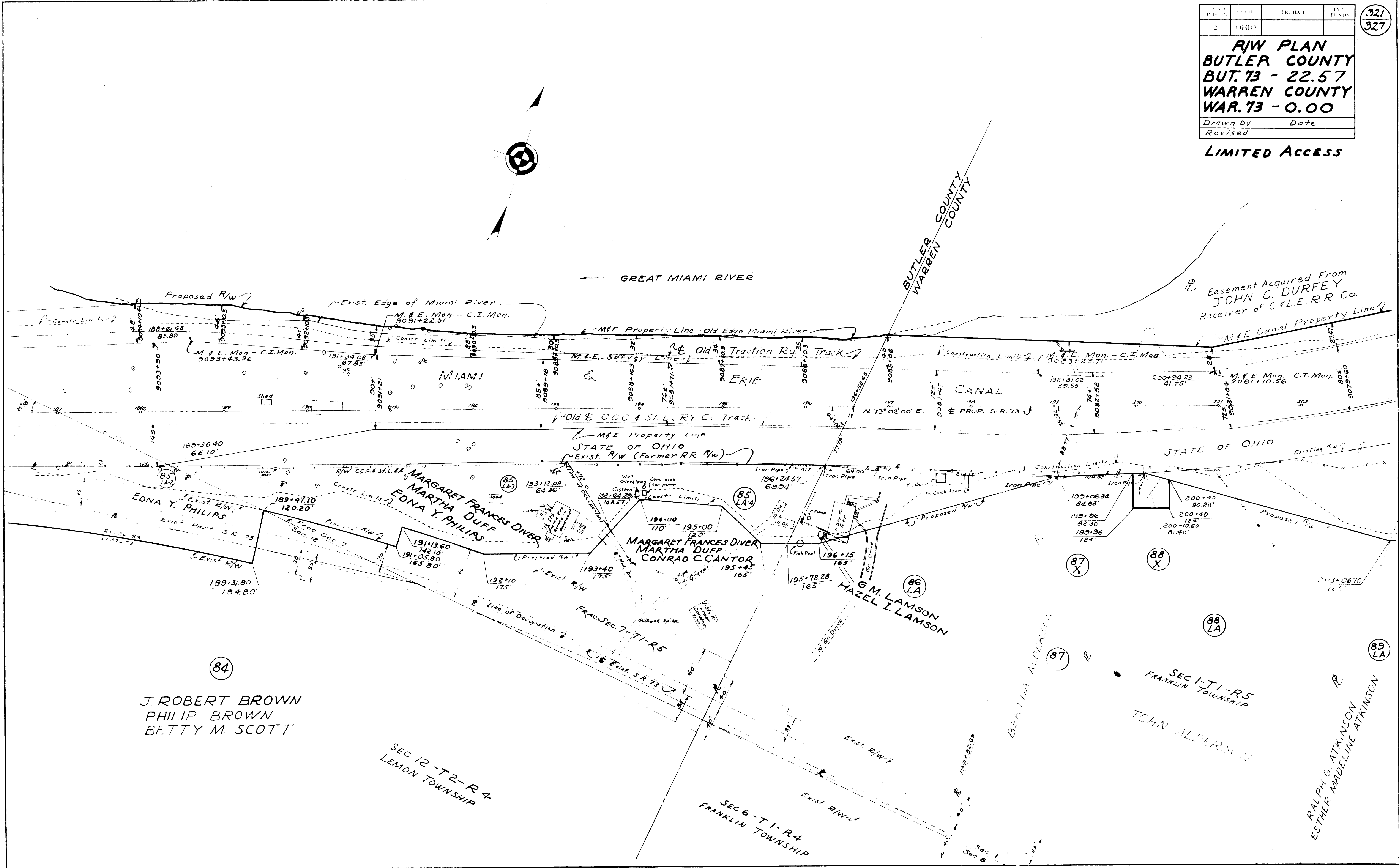
PROJECT NO.	STATE	PROJECT	FUND
2	OHIO		

321
327

RJW PLAN
BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00

Drawn by _____ Date _____
 Revised _____

LIMITED ACCESS



84
 J. ROBERT BROWN
 PHILIP BROWN
 BETTY M. SCOTT

SEC 12-T2-R4
 LEMON TOWNSHIP

SEC 6-T1-R4
 FRANKLIN TOWNSHIP

Sta 187+00 to Sta 202+00

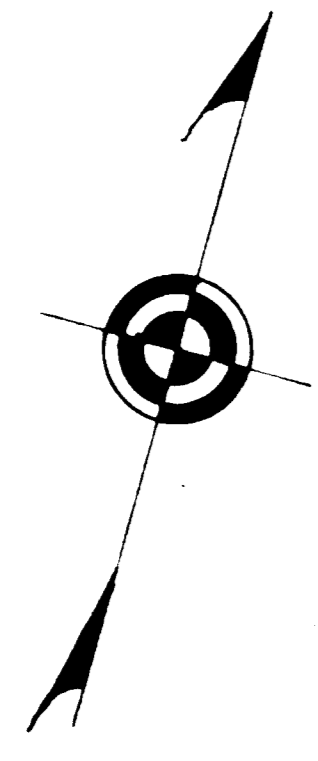
FID. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

322
327

**R/W PLAN
BUTLER COUNTY
BUT. -73-22.57
WARREN COUNTY
WAR. -73-0.00**

Drawn by _____ Date _____
Revised _____

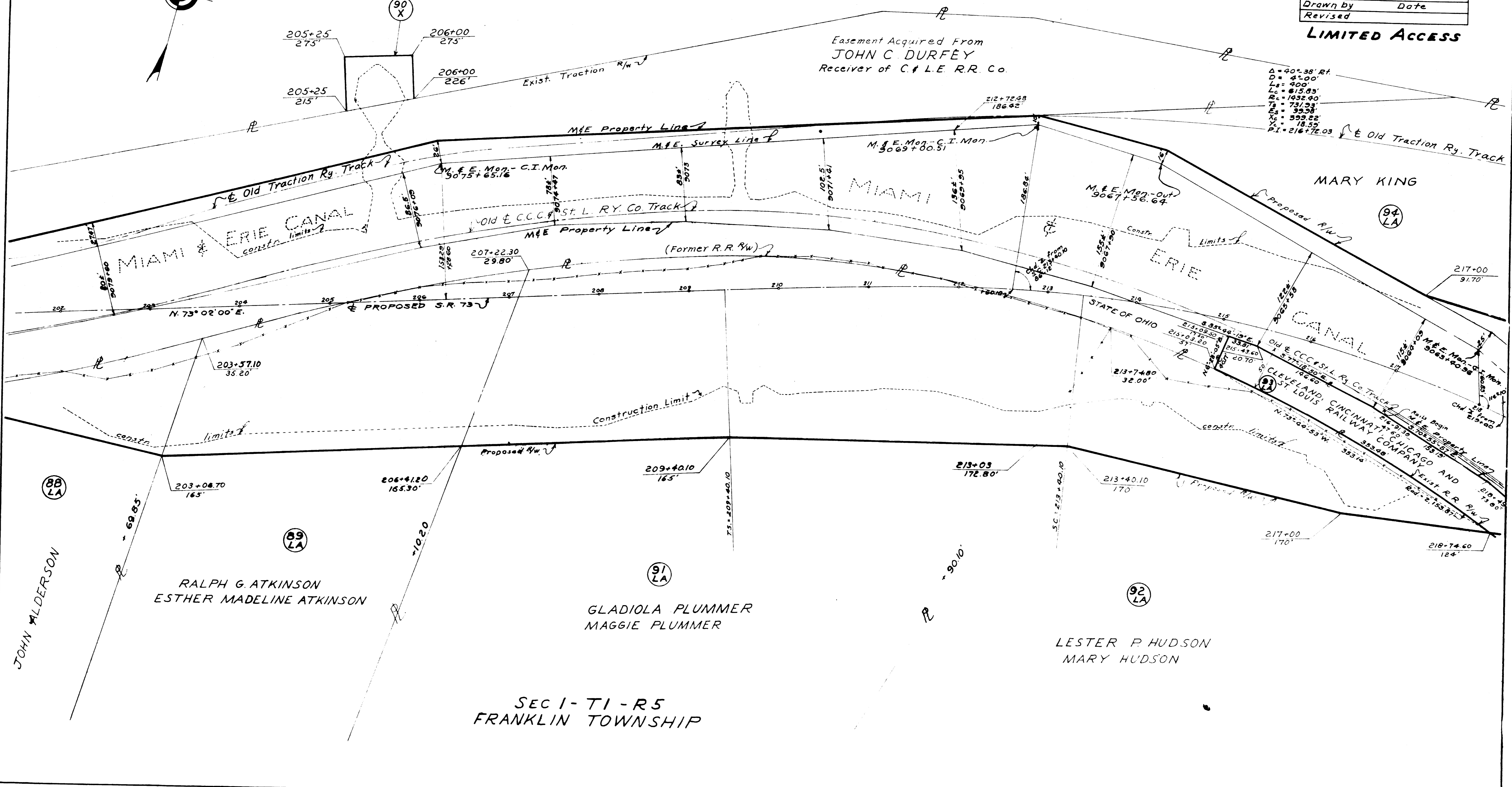
LIMITED ACCESS



MARY B. CRAIG

Easement Acquired From
JOHN C. DURFÉY
Receiver of C. & L. E. R.R. Co.

$\Delta = 90^{\circ}38' R.$
 $D = 4^{\circ}00'$
 $L = 400'$
 $L_c = 615.85'$
 $R_c = 1432.90'$
 $T_1 = 731.33'$
 $T_2 = 39.58'$
 $X_c = 599.22'$
 $Y_c = 18.52'$
 $P.I. = 216^{\circ}77.03'$



SEC 1 - T1 - R5
FRANKLIN TOWNSHIP

Sta 202+00 to Sta 217+00

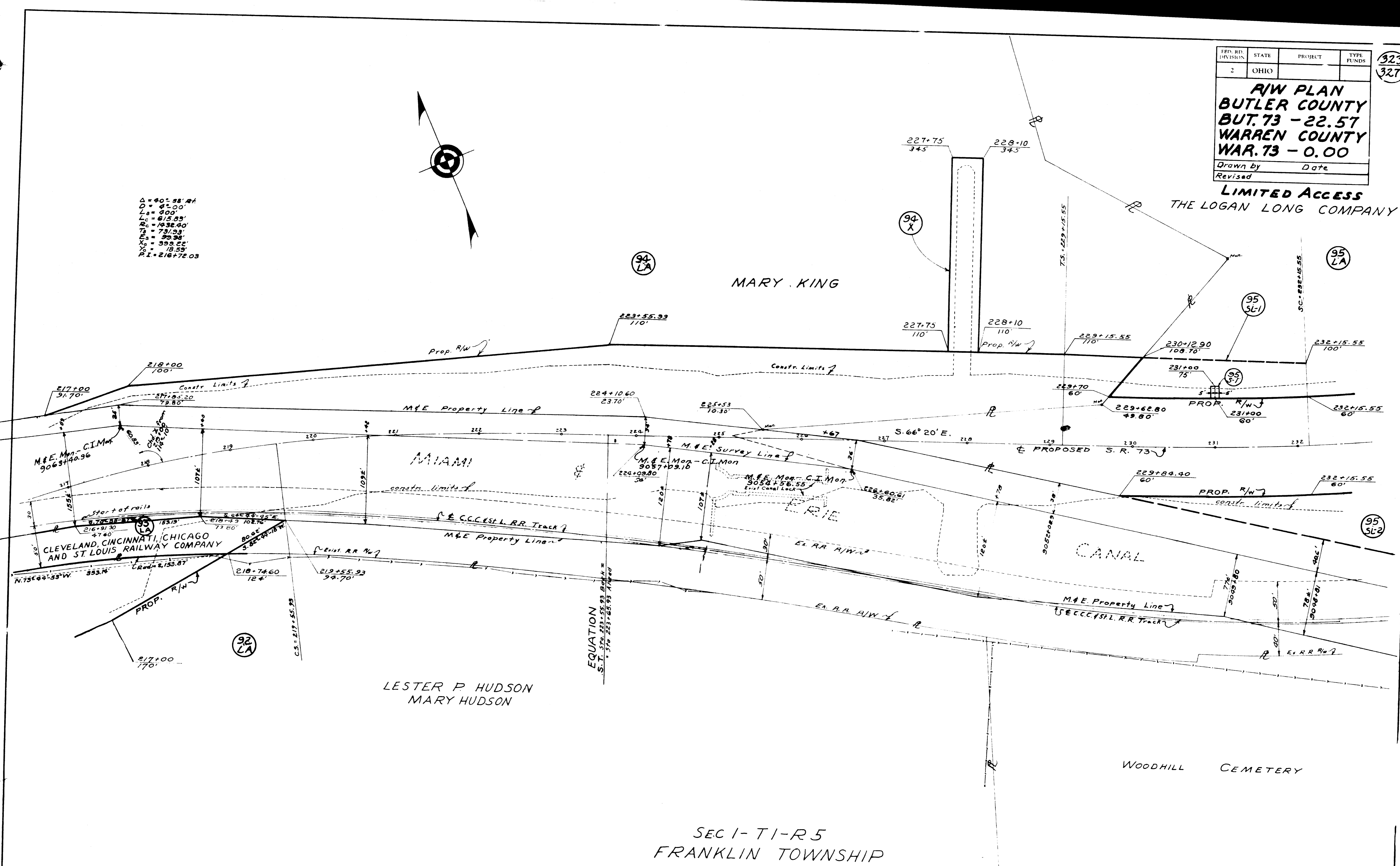
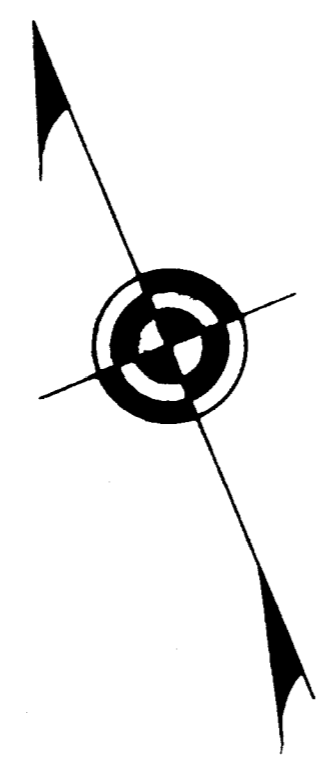
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

323
327

R/W PLAN
BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00

Drawn by _____ Date _____
 Revised _____

$\Delta = 40' 58.84"$
 $D = 42.00'$
 $L = 400'$
 $L_c = 615.85'$
 $R_c = 1432.40'$
 $T_1 = 731.53'$
 $E_1 = 25.34'$
 $X_0 = 359.22'$
 $Y_0 = 18.59'$
 $P.I. = 216+72.03$



SEC 1-T1-R5
 FRANKLIN TOWNSHIP

Sta 217+00 to Sta 232+00

FRANKLIN TWP.
SEC. 1 - T. 1 - R. 5

City of Franklin, Ohio
Sewage Treatment Plant

FED. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

**R/W PLAN
BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00**

Drawn by _____ Date _____
Revised _____

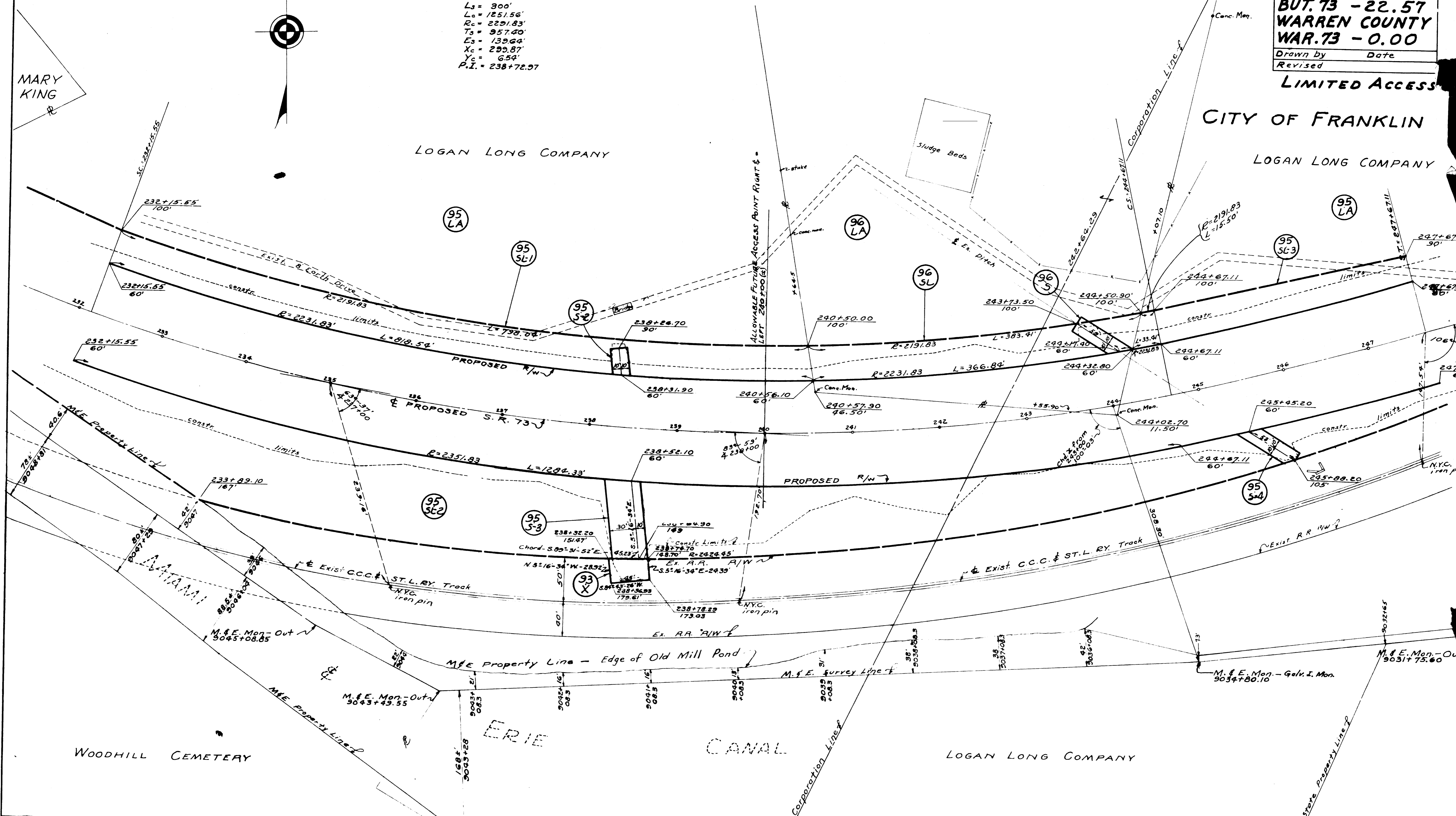
$\Delta = 38^\circ - 47' - 20''$ Lt.
 $D = 2^\circ - 30'$
 $L_s = 300'$
 $L_o = 1251.56'$
 $R_c = 2291.83'$
 $T_s = 957.40'$
 $E_s = 139.64'$
 $X_c = 299.87'$
 $Y_c = 6.54'$
 $P.I. = 238+72.97$

MARY KING

LIMITED ACCESS

CITY OF FRANKLIN

LOGAN LONG COMPANY



WOODHILL CEMETERY

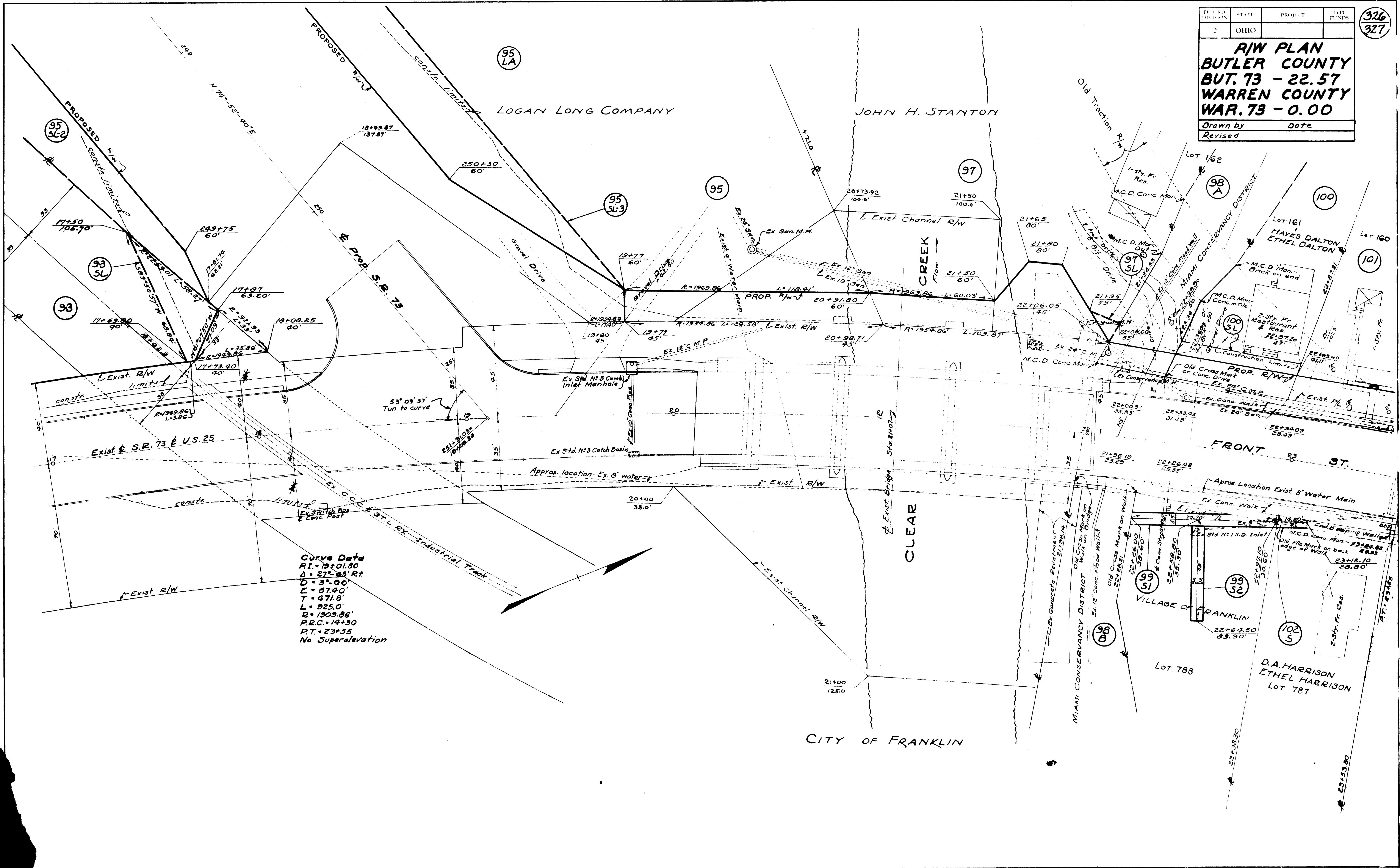
ERIE

CANAL

LOGAN LONG COMPANY

BOARD DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

R/W PLAN
BUTLER COUNTY
BUT. 73 - 22.57
WARREN COUNTY
WAR. 73 - 0.00
 Drawn by _____ Date _____
 Revised _____



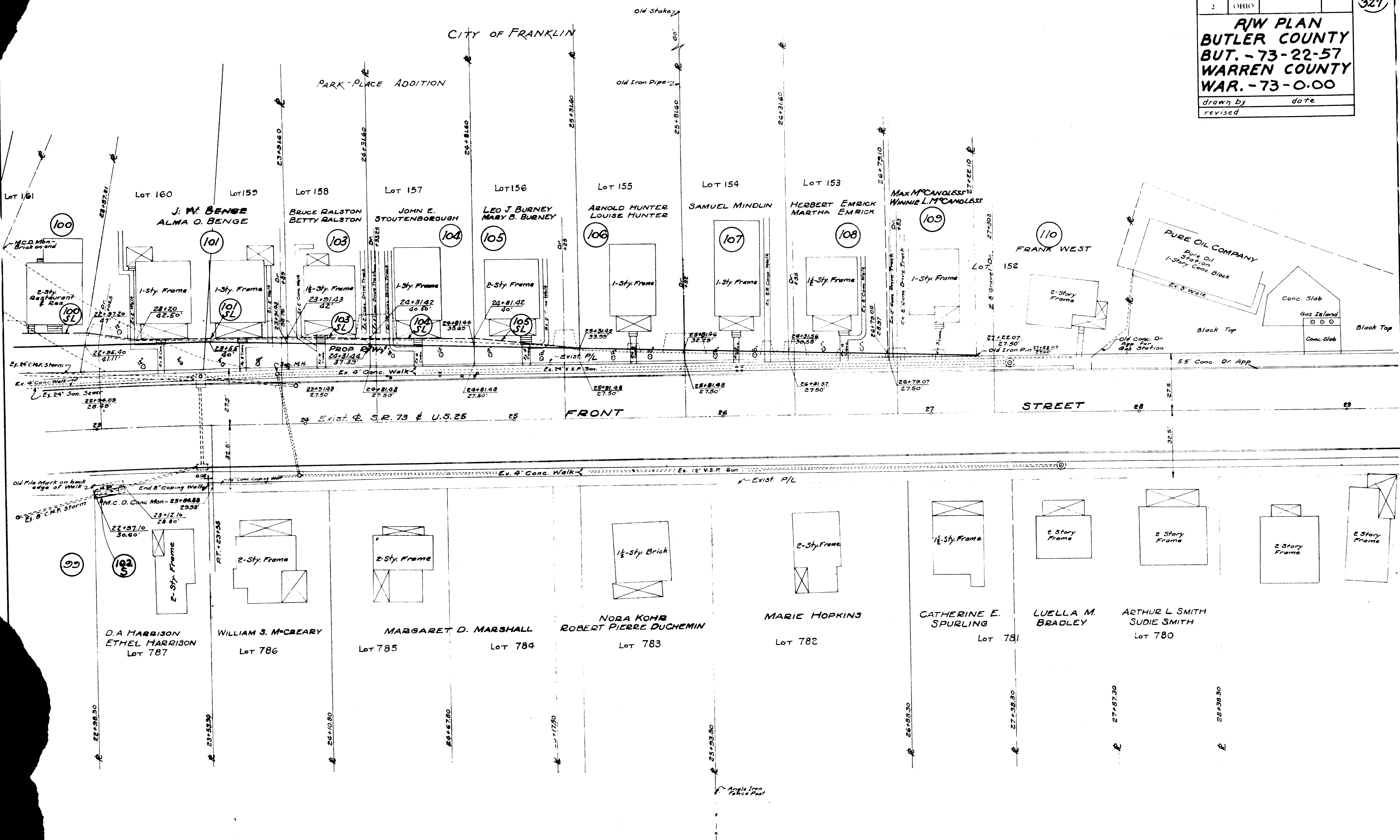
APPR. Sta 251+31.03 (17+00 - 23+00)

FID. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

327
327

R/W PLAN
BUTLER COUNTY
BUT. - 73-22-57
WARREN COUNTY
WAR. - 73-0.00

drawn by _____ date _____
revised _____



APPR. Sta 251+31.03 (23+00-28+00)