

CONVENTIONAL SIGNS

MANHOLES	○ NEW ○ EXIST.
EDGE PROPOSED PAV'T	
QTR SECTION LINE	
EXISTING RIGHT-OF-WAY	
PROPOSED RIGHT-OF-WAY	
SECTION LINE	
CORPORATION LINE	
FENCE LINE	
GUARD RAIL (EXISTING)	
GUARD RAIL (PROPOSED)	
PROPERTY LINE	
POWER POLES	
TELEPHONE POLES	
TREES OR STUMPS (EXISTING)	
TREES OR STUMPS (TO BE REMOVED)	
EXISTING UNDERGROUND UTILITIES	
GAS VALVE	IG
WATER VALVE	W
FIRE HYDRANT	Hyd.
RAILROAD	
TOWNSHIP LINE	
POLES	
SIGNS	
LIGHT POLES	
WATER LINE	
GAS LINE	
SANITARY SEWER	
STORM SEWER	
DEAD DISTANCE	269.45' (P)
MEASURED DISTANCE	269.45' (D)
TEMPORARY EASEMENT	269.45' (M)
SLOPE EASEMENT	269.45' (C)
WORK AGREEMENT	---
SEWER EASEMENT	---

INDEX OF SHEET

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Centerline Plat	----- 1-2
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LINE DATA

16th STREET

BEGIN WORK	STA. 46+00
BEGIN PROJECT	STA. 51+40
END PROJECT	STA. 85+78.20
END WORK	STA. 86+12
NET LENGTH OF PROJECT	3448.20 L.F. or 0.651 mile
NET LENGTH OF WORK	4012.00 L.F. or 0.740 mile

TREMONT AVE.

BEGIN WORK	STA. 24+00
END WORK	STA. 34+50
NET LENGTH OF WORK	1050.00 L.F. or 0.198 mile

OAK AVE.

BEGIN WORK	STA. 6+45
END WORK	STA. 9+34
NET LENGTH OF WORK	289.00 L.F. or 0.054 mile

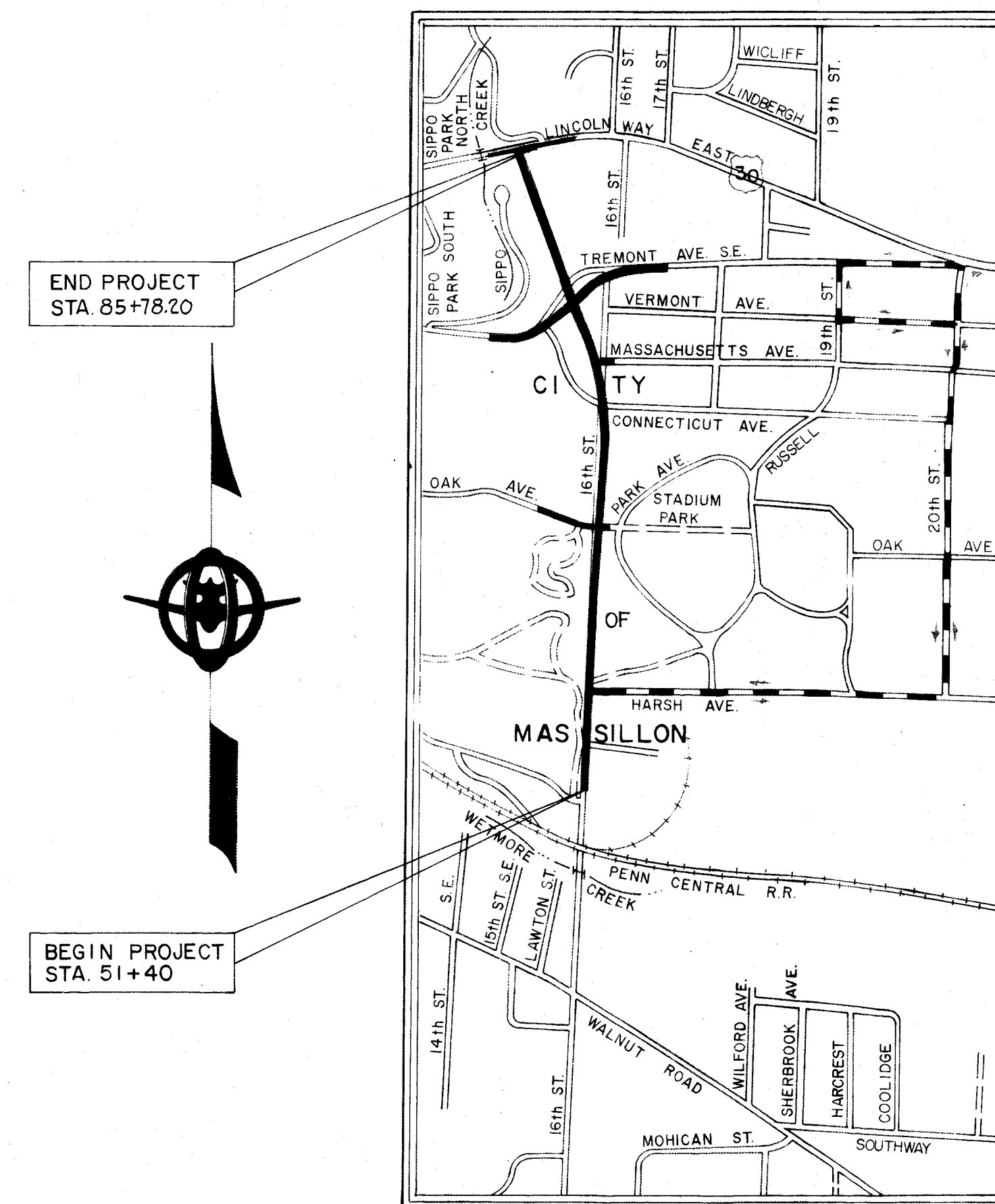
TOTAL NET LENGTH OF PROJECT	3418.70 L.F. or 0.647 mile
TOTAL NET LENGTH OF WORK	5332.00 L.F. or 1.009 miles

DESIGN DESIGNATION

CURRENT A.D.T.	1970	5200
DESIGN YEAR A.D.T.	1993	14100
D.H.V.		1400
DIRECTIONAL DISTRIBUTION		50%
PER CENT B & C TRUCKS		5%
DESIGN SPEED		45

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

STA-16TH STREET S.E.

CITY OF MASSILLON
STARK COUNTY

LOCATION MAP

SCALE OF FEET

800 0 800 1600 2400 3200 4000

Portion to be Improved
Other Roads
Detour Route

SCALES

Plan	50 0 50 100
Profile - Horizontal	50 0 50 100
Profile - Vertical	5 0 5 10
Cross-Sections	5 0 5 10

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS

BP-1	6-1-65		GR-4	11-9-71	MC-8	12-1-67
BP-2	12-1-68		I-2A	6-6-65		
BP-3	1-1-71		L-1	6-1-65		
BP-4	1-1-71		MC-1	6-13-69		
BP-5	1-1-72		MC-3	6-20-69		
BP-6	6-1-65	F-1	6-1-72	MC-4	6-13-69	
BP-7	1-1-66	GR-2B	11-9-71	MC-6	1-1-65	

1973 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

THE RIGHT-OF-WAY FOR THIS IMPROVEMENT WILL BE PROVIDED BY THE CITY OF MASSILLON

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS.

APPROVED	-----	DISTRICT DEPUTY DIRECTOR OF TRANSPORTATION
DATE	-----	
APPROVED	-----	ENGINEER, BUREAU OF BRIDGES
DATE	-----	
APPROVED	-----	ENGINEER, BUREAU OF ROADWAY DESIGN
DATE	-----	
APPROVED	-----	ASSISTANT DEPUTY DIRECTOR FOR HIGHWAY DESIGN
DATE	-----	
APPROVED	-----	ASSISTANT DEPUTY DIRECTOR FOR REAL ESTATE
DATE	-----	
APPROVED	-----	ASSISTANT DEPUTY DIRECTOR FOR PROGRAM DEVELOPMENT
DATE	-----	
APPROVED	-----	CHIEF ENGINEER, DIVISION OF HIGHWAYS
DATE	-----	
APPROVED	-----	DIRECTOR, DEPARTMENT OF TRANSPORTATION
DATE	-----	
APPROVED	-----	CITY OF MASSILLON ENGINEER
DATE	-----	

Plans prepared by: E.S. PRESTON ASSOCIATES, INCORPORATED
COLUMBUS, OHIO*Allan W. Kersch*
OHIO P.E. NO. 1735

SUPPLEMENTAL SPECIFICATIONS

SUPPLEMENTAL DWGS. CITY OF MASSILLON

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	ISSUE 1

72
88

1
17

CENTERLINE SURVEY PLAT

16TH STREET IMPROVEMENT
STARK COUNTY OHIO
MASSILLON TOWNSHIP
T-10-N R-9-W

CITY OF MASSILLON

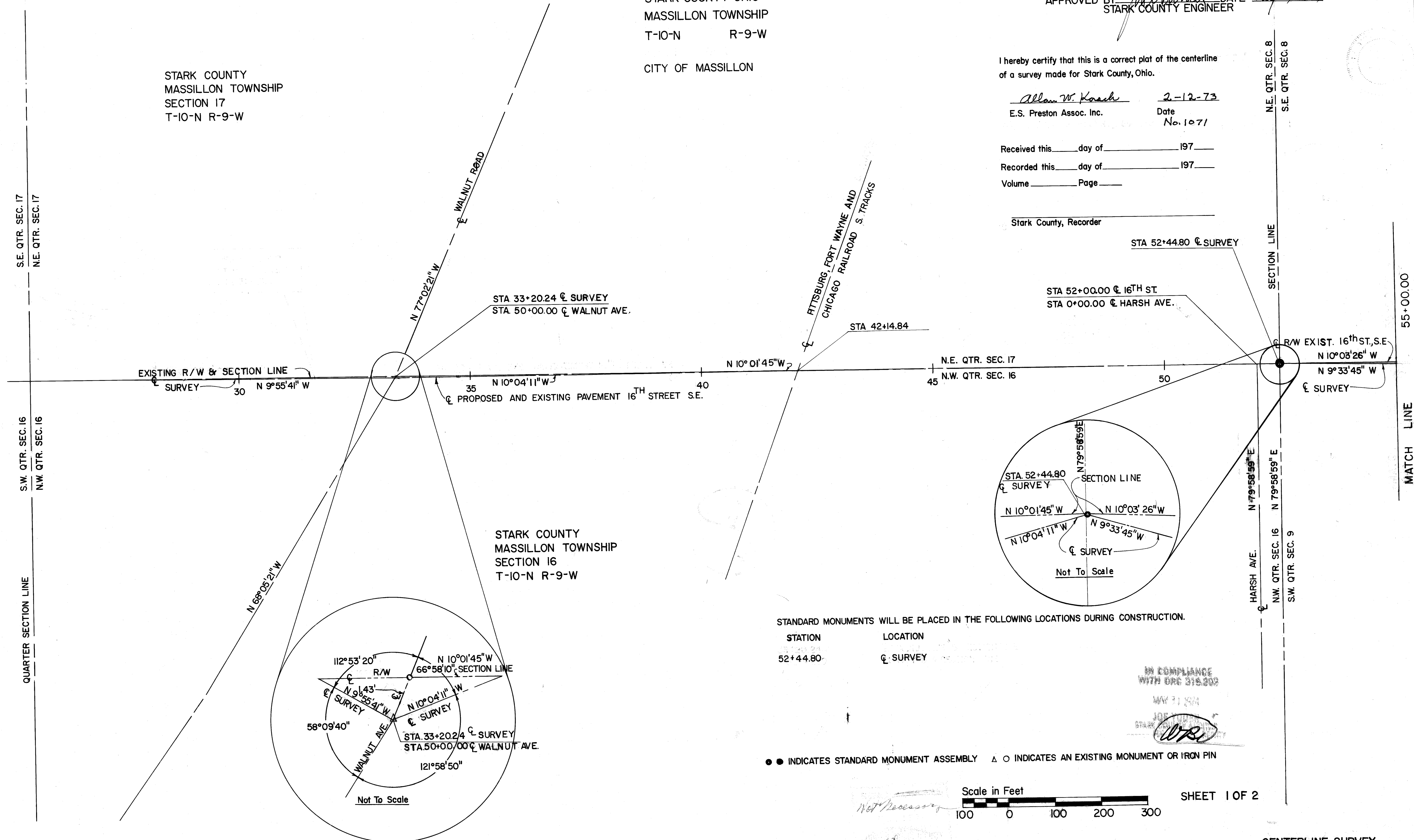
STA-16TH STREET
RIGHT-OF-WAY
APPROVED BY Robert J. Villagran DATE Jan. 21, 1974
MASSILLON CITY ENGINEER
APPROVED BY W. J. [Signature] DATE May 31, 1974
STARK COUNTY ENGINEER

I hereby certify that this is a correct plat of the centerline of a survey made for Stark County, Ohio.

Allan W. Krosch 2-12-73
E.S. Preston Assoc. Inc. Date No. 1071

Received this _____ day of _____ 197 _____
Recorded this _____ day of _____ 197 _____
Volume _____ Page _____

Stark County, Recorder



STARK COUNTY
MASSILLON TOWNSHIP
SECTION 16
T-10-N R-9-W

STANDARD MONUMENTS WILL BE PLACED IN THE FOLLOWING LOCATIONS DURING CONSTRUCTION.

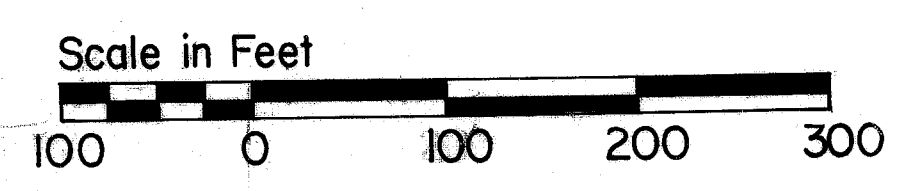
STATION	LOCATION
52+44.80	CL SURVEY

IN COMPLIANCE
WITH ORC 315.000

MAY 31 1974

JOE [Signature]

● ● INDICATES STANDARD MONUMENT ASSEMBLY ▲ ○ INDICATES AN EXISTING MONUMENT OR IRON PIN



SHEET 1 OF 2

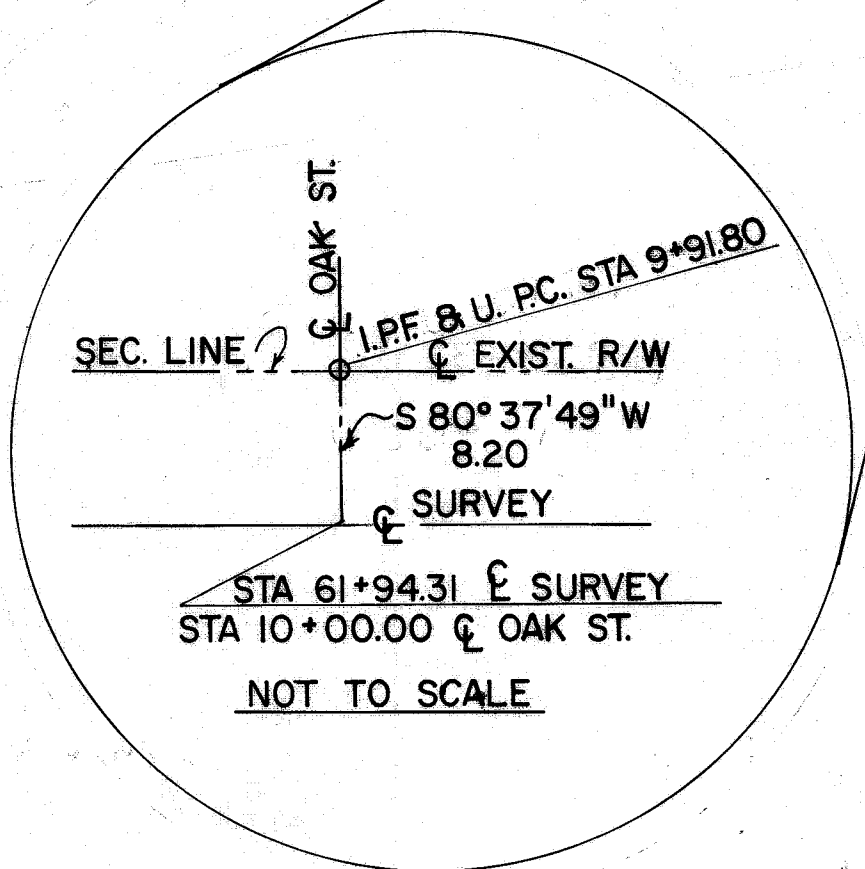
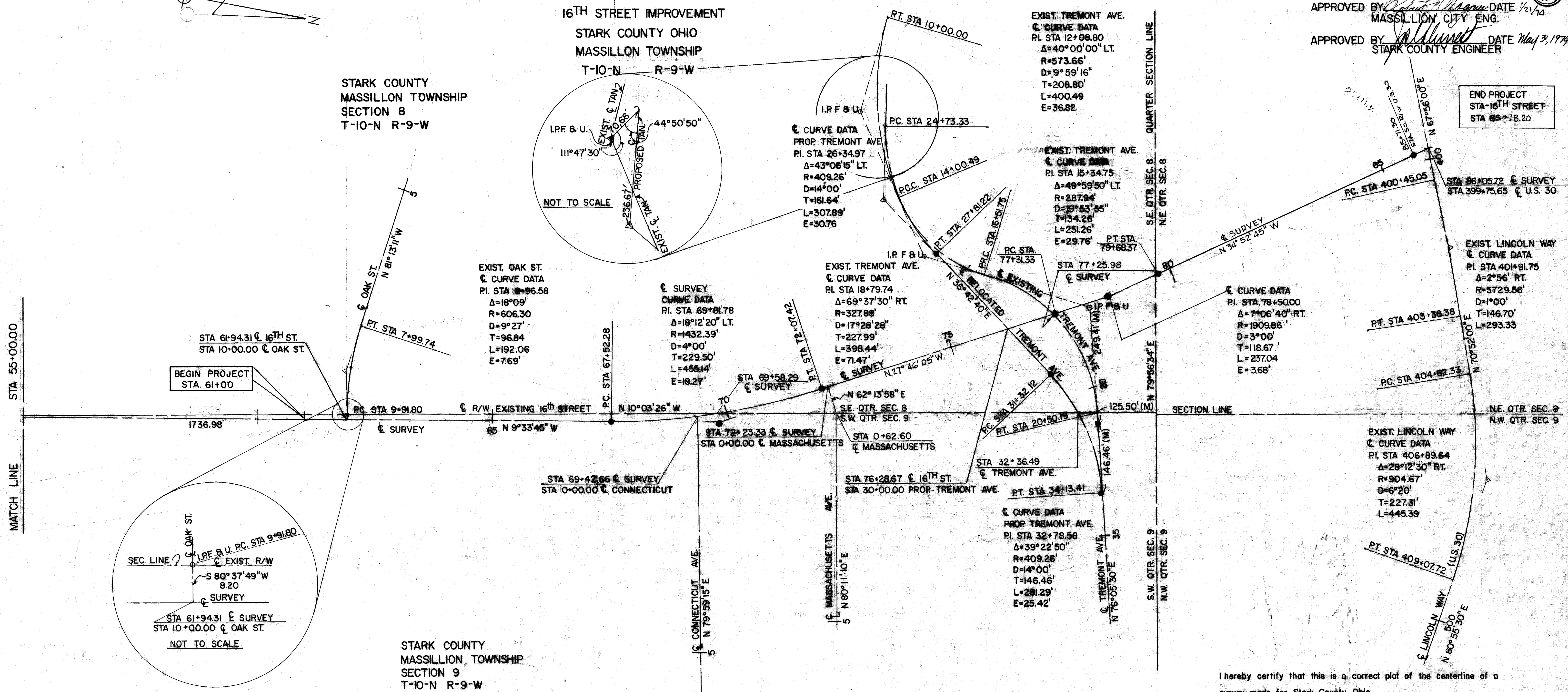
CENTERLINE SURVEY PLAT

16TH STREET IMPROVEMENT
 STARK COUNTY OHIO
 MASSILLON TOWNSHIP
 T-10-N R-9-W

STARK COUNTY
 MASSILLON TOWNSHIP
 SECTION 8
 T-10-N R-9-W

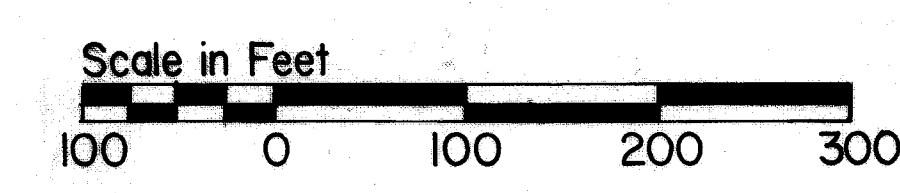
STA-16TH STREET
 RIGHT-OF-WAY
 APPROVED BY *Robert H. Wagner* DATE 1/21/74
 MASSILLION CITY ENG.
 APPROVED BY *W. H. Hurnett* DATE May 3, 1974
 STARK COUNTY ENGINEER

END PROJECT
 STA-16TH STREET
 STA 85+78.20



STANDARD MONUMENT WILL BE PLACED IN THE FOLLOWING LOCATION DURING CONSTRUCTION.

STATION	LOCATION	STATION	LOCATION
67+52.28	SURVEY & P.C.	24+73.33	TREMONT & P.C.
69+81.78	SURVEY & P.I.		
72+07.42	SURVEY & P.T.	27+81.24	TREMONT & P.T.
79+79.84	SURVEY & P.C.	31+32.12	TREMONT & P.C.
81+71.93	SURVEY & P.I.	32+78.58	TREMONT & P.I.
83+63.45	SURVEY & P.T.	34+13.41	TREMONT & P.T.



● INDICATES STANDARD MONUMENT ASSEMBLY.
 ○ INDICATES AN EXISTING MONUMENT OR IRON PIN

I hereby certify that this is a correct plat of the centerline of a survey made for Stark County, Ohio.

Allen W. Korsch
 E.S. Preston Assoc. Inc. No. 1071 Date 2-12-73

IN COMPLIANCE
 WITH ORC 319.202
 MAY 31 1974
 JOE YODER
 AUDITOR STARK COUNTY

Received this 4th day of JUNE 1974
 Recorded this 4th day of JUNE 1974
 Volume 43 Page 131 and 132

Kenneth E. Motta
 Stark County Recorder

SHEET 2 OF 2

CENTERLINE SURVEY

P-300 Acc. No. 2668

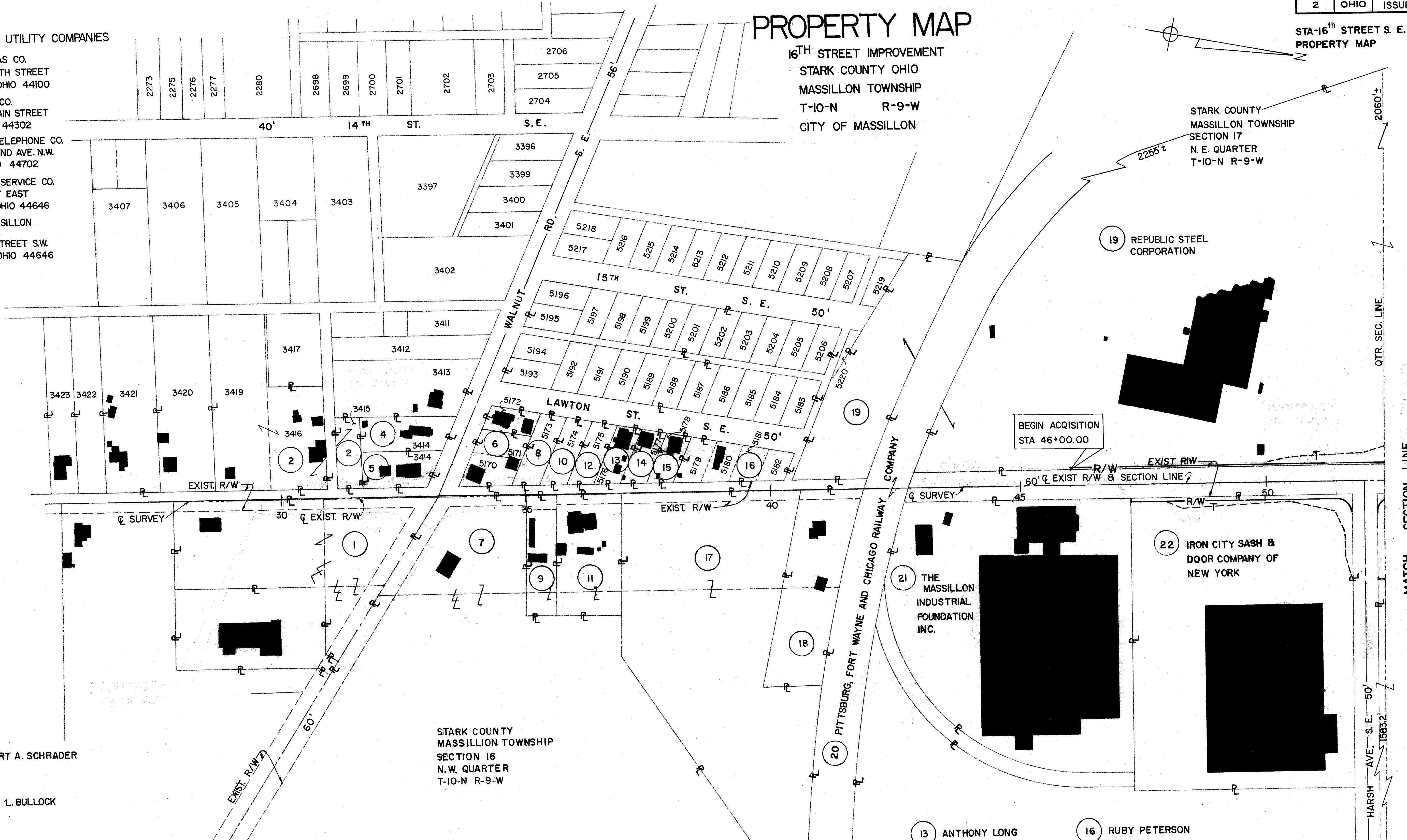
STA-16th STREET S. E.
PROPERTY MAP

PROPERTY MAP

16th STREET IMPROVEMENT
STARK COUNTY OHIO
MASSILLON TOWNSHIP
T-10-N R-9-W
CITY OF MASSILLON

AFFECTED UTILITY COMPANIES

- EAST OHIO GAS CO.
1717 EAST NINTH STREET
CLEVELAND, OHIO 44100
- OHIO EDISON CO.
47 NORTH MAIN STREET
AKRON, OHIO 44302
- OHIO BELL TELEPHONE CO.
401 CLEVELAND AVE. N.W.
CANTON, OHIO 44702
- OHIO WATER SERVICE CO.
LINCOLN WAY EAST
MASSILLON, OHIO 44646
- CITY OF MASSILLON
SEWER DEPT.
2695 ERIE STREET S.W.
MASSILLON, OHIO 44646



1 HERBERT A. SCHRADER

2 MATTIE L. BULLOCK

3 No. NOT USED

4 PAULINE LEMON ETAL.

5 PAULINE LEMON

6 HARRY A. BALDWIN
ANNA M. BALDWIN

7 THE STANDARD OIL COMPANY

8 WILLIAM H. BRADLEY
AND INEZ BALLINGER BRADLEY

9 JOHN R. CHENEY
AND JOANN L. CHENEY

10 KRIST TSOCHIEFF ADM.

11 ANNA WERHANOWSKYI

12 WILBERT EDWARDS

13 ANTHONY LONG

14 PATRICIA A. GABELE

15 MOZELL MAPP

16 RUBY PETERSON

17 SUPERIOR'S BRAND MEATS INC.

18 KENETH HALCO
KATHERGNE HALCO



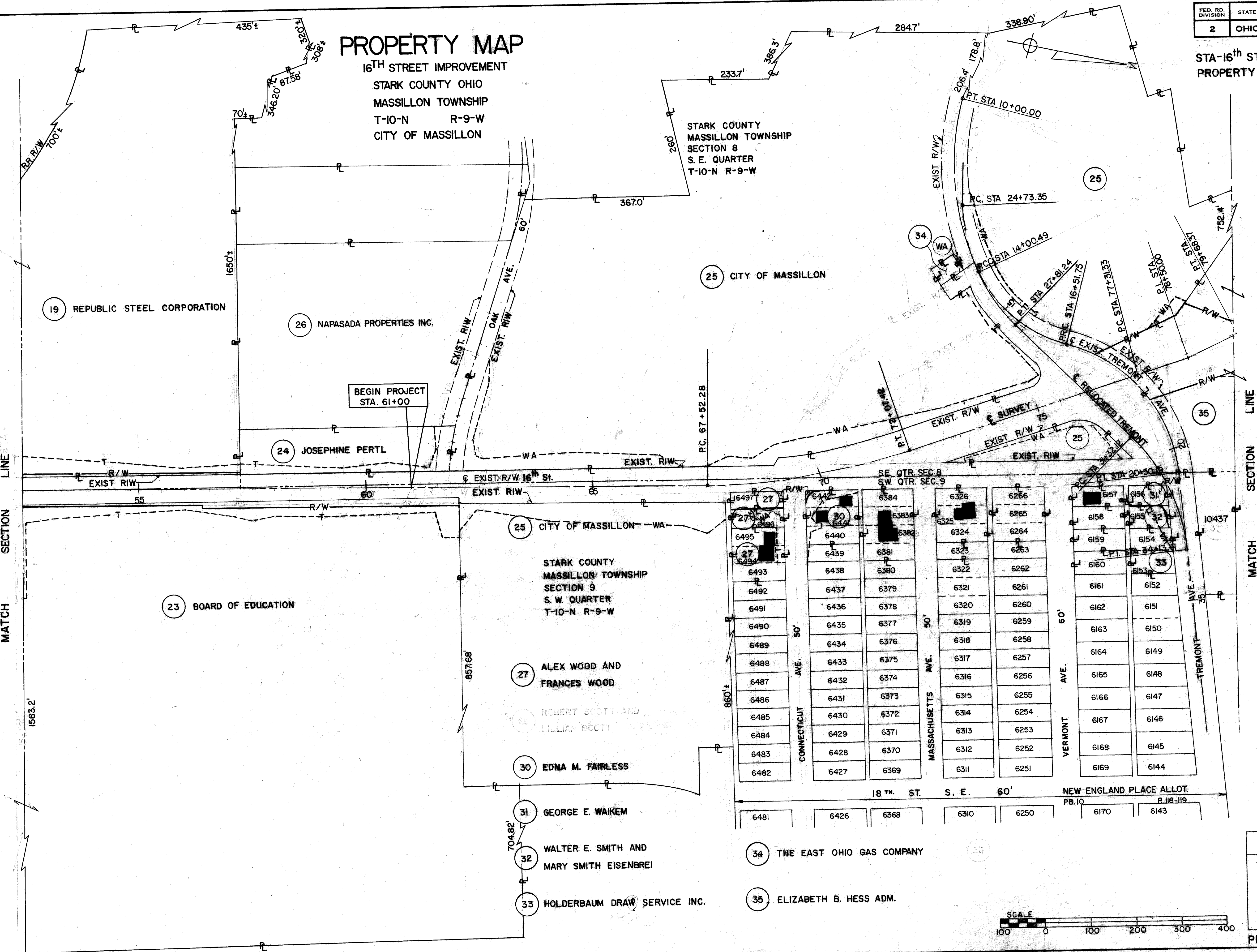
REVISED	DATE

STA-16th STREET S.E.
PROPERTY MAP

PROPERTY MAP

16th STREET IMPROVEMENT
STARK COUNTY OHIO
MASSILLON TOWNSHIP
T-10-N R-9-W
CITY OF MASSILLON

STARK COUNTY
MASSILLON TOWNSHIP
SECTION 8
S. E. QUARTER
T-10-N R-9-W



FUNDS	
ISSUE 1	
REVISED	DATE
<i>Jerry L. Ridgely</i>	4/2/75

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	ISSUE 1

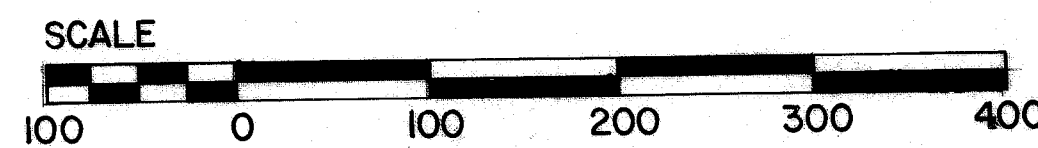
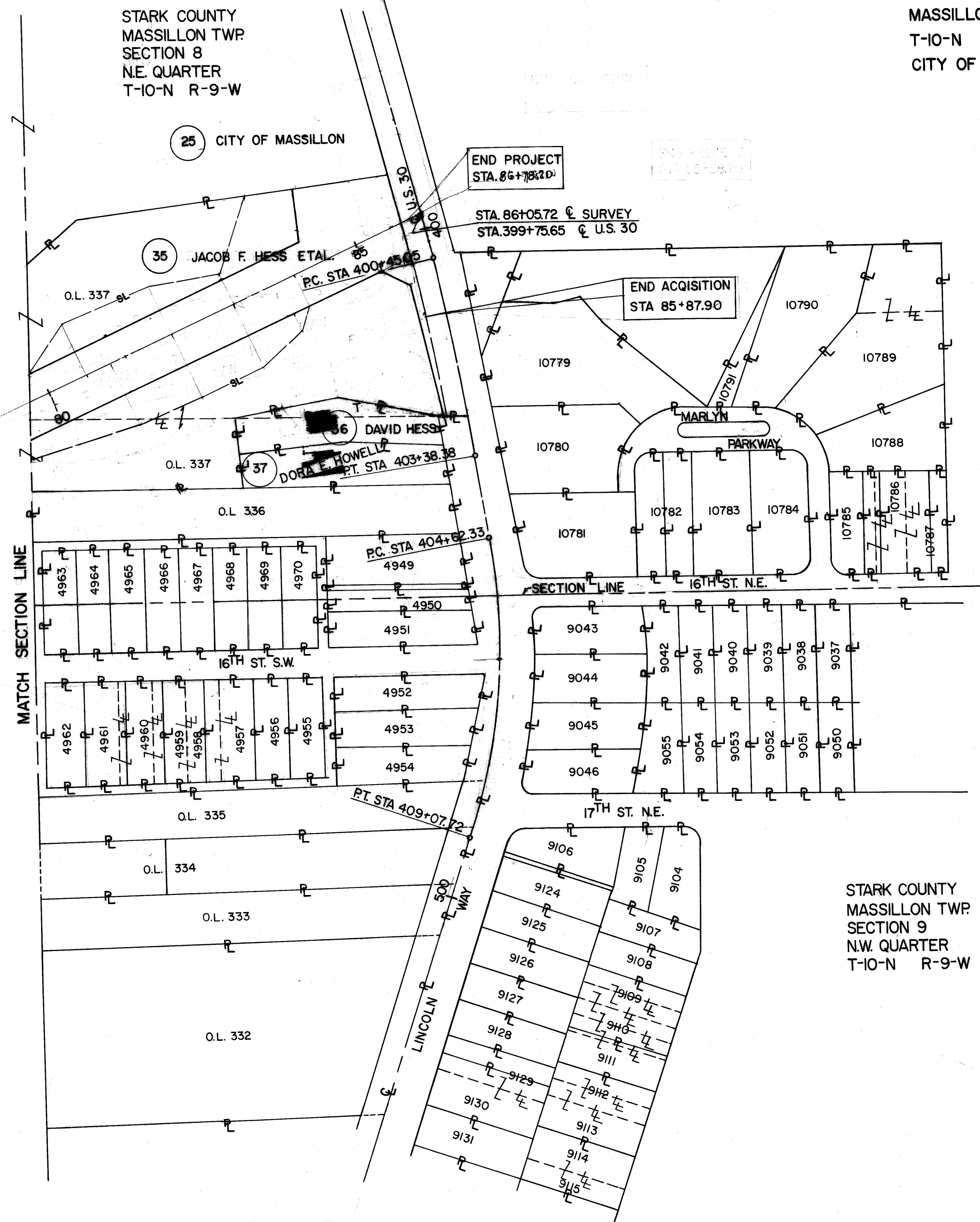
76
88

STA 16TH STREET S.E.
PROPERTY MAP

5
17

PROPERTY MAP

16TH STREET IMPROVEMENT
STARK COUNTY OHIO
MASSILLON TOWNSHIP
T-10-N R-9-W
CITY OF MASSILLON



FUNDS	
ISSUE - 1	
REVISED	DATE

PROPERTY MAP
P-300 Acc. No. 2671

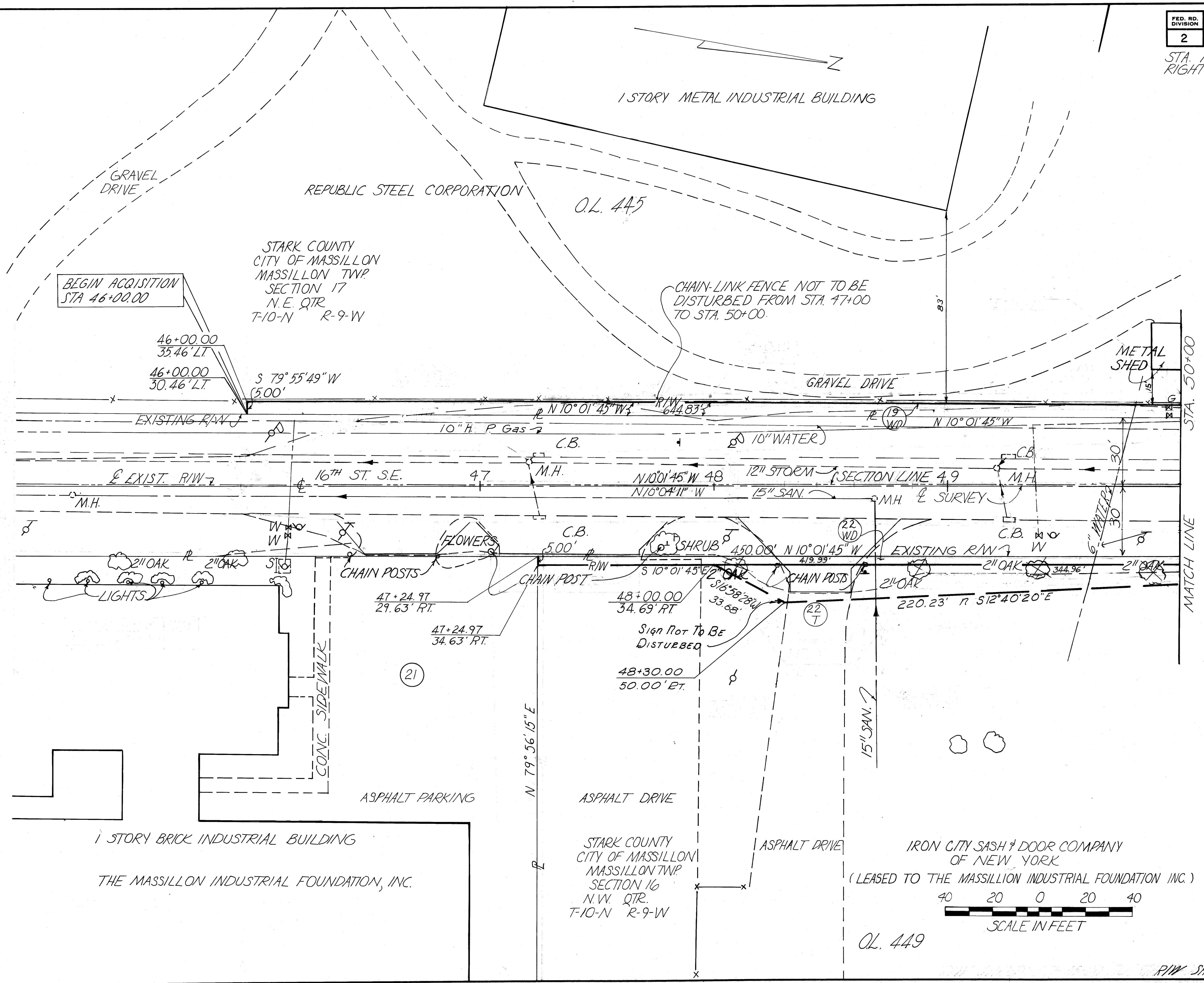
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	ISSUE 1	

AUDITORS PARCEL NO.	PARCEL NO.	OWNER	DEED RECORD		DEED AREA	TOTAL P.R.O.	TOTAL TAKE	P.R.O. IN TAKE	NET TAKE		NET RESIDUE		SHEET NO.	REMARKS	FUNDS
			BOOK	PAGE					LAND	BLDG.	LEFT	RIGHT			
	19-WD 19-T	REPUBLIC STEEL CORPORATION	1206	198	543381 SF	0 SF	4635 SF 15706 SF	0 SF	4635 SF 15706 SF	P	638746 SF	0 SF	7,8, & 9	SLOPE CONSTRUCTION & FENCE REMOVAL FROM STA 50+00 TO STA 57+30	ISSUE 1
	20	PITTSBURG, FORT WAYNE AND CHICAGO RAILWAY COMPANY											3	NO TAKE	"
	21	THE MASSILLON INDUSTRIAL DEVELOPMENT FOUNDATION, INC.	2998	461	208652 SF	0 SF					0 SF	208652 SF	7	NO TAKE	"
	22-WD 22-T	IRON CITY SASH & DOOR COMPANY OF NEW YORK	2319 3485	121 439	226512 SF	0 SF	2432 SF 6652 SF	0 SF	2432 SF 6652 SF	P	0 SF	224080 SF	7 & 8 7 & 8	DRIVE & SLOPE CONSTRUCTION REMOVAL OF 7-2 IN. TREES	"
	23-WD 23-T	BOARD OF EDUCATION	1231	41	1548994 SF	0 SF	12091 SF 27845 SF	0 SF	12091 SF 27845 SF	P	0 SF	536903 SF	8, 9, & 10 8, 9 & 10	DRIVE & SLOPE CONSTRUCTION AND REMOVAL OF 29 TREES	"
	24-T	JOSEPHINE PERTL	1619	3	46391 SF	3012 SF	7853 SF		7853 SF		43379 SF	0 SF	9	SLOPE & DRIVE CONSTRUCTION	"
	25-WA 25-AWA 25-CWA 25-DWA 25-EWA 25-FWA 25-BWA	THE CITY OF MASSILLON 13 & 16	188 460	97 279									14 10 & 11 1112, 13 & 14 12 & 13 17 10 & 11	SLOPE & OTHER REQUIRED CONST. WORK AREA WORK AREA WORK AREA WORK AREA WORK AREA	"
	26	NAPASADA PROPERTIES, INC.	2877	333	202118 SF						202118 SF	0 SF	10	NO TAKE	"
	27-WD 27-T	ALEX WOOD AND FRANCES WOOD	3323	609	18687 SF	0 SF	4887 SF 1193 SF	0 SF	4887 SF 1193 SF		0 SF	13800 SF	11 11	TOTAL TAKE OF LOT. NO. 6497 DRIVE CONST. & REMOVAL OF 14 IN. TREE	"
	27-WA	ALEX WOOD AND FRANCES WOOD	2610	518	4617 SF						0 SF	4617 SF	11	LEVELING	"
	28, 29	NUMBERS NOT USED													"
	30-WD 30-T	EDNA M. FAIRLESS	2971 2902	34 399	14070 SF	0 SF	193 SF 3184 SF		193 SF 3184 SF		0 SF	13877 SF	11 11 & 12	DRIVE & SLOPE CONSTRUCTION	"
	31-WD	GEORGE E. WAIKEM	2367	3	3715 SF	0 SF	3715 SF SF	0 SF	3715 SF SF		0 SF	0 SF	15	TOTAL TAKE OF LOT. NO. 6156	"
	32-WD 32-T	WALTER E. SMITH AND MARY SMITH EISENBREI			4529 SF	0 SF	384 SF 1202 SF	0 SF	384 SF 1202 SF		0 SF	4145 SF	15 15	SLOPE & DRIVE CONSTRUCTION	"
	33-WA	HOLDERBAUM DRAIN SERVICE, INC.	3518	394	8581 SF						0 SF	8581 SF	15	GRADING	"
	34-WA	THE EAST OHIO GAS CO.	2906	56	2483 SF	0 SF	0 SF	0 SF			2483 SF		14	GRADING	"
	35-WD 35-SL 35-ASL 35-WA	JACOB F. HESS, H. CHARLES HESS, GORDON & JACOB HESS, DORTHY M. HESS, HELEN MIRIAM HESS, DAVID HESS, ANNA E. CRONE, DORA E. HOWELLS, RUTH WILLIAMS, HELEN KOESTER SUN, ANN KOESTER WARNER, GRACE FINLEY, EMMA C. KOESTER, AND LUCILLE SWEITZER	2664	256	284,056 SF	23,287 SF	104,217 SF	18,021 SF	86,196 SF	P	59,038 SF	115,535 SF	13, 16 & 17 16 & 17 16 & 17	SLOPE CONSTRUCTION SLOPE CONSTRUCTION WORK AREA	"
	36-	DAVID HESS	1831	181	15682 SF						0 SF	15682 SF	17		"
	37	DORA E. HOWELLS	1098	132	17424 SF						0 SF	17424 SF	17	NO TAKE	"

STA-16TH STREET
RIGHT OF WAY

NO. OF TOTAL TAKES-0
TOTAL NO. OF OWNERS- 14
TOTAL NO. OF STRUCTURES-0

REVISIONS		
DATE	DESCRIPTION	INIT
	SUMMARY SHEET	



- (19) TBA 4635 SQ. FT.
- (21) NO TAKE
- (22) TBA 2432 SQ. FT.
- (22) TBA 6652 SQ. FT.

IRON CITY SASH & DOOR COMPANY
OF NEW YORK
(LEASED TO THE MASSILLON INDUSTRIAL FOUNDATION INC.)

OL. 449

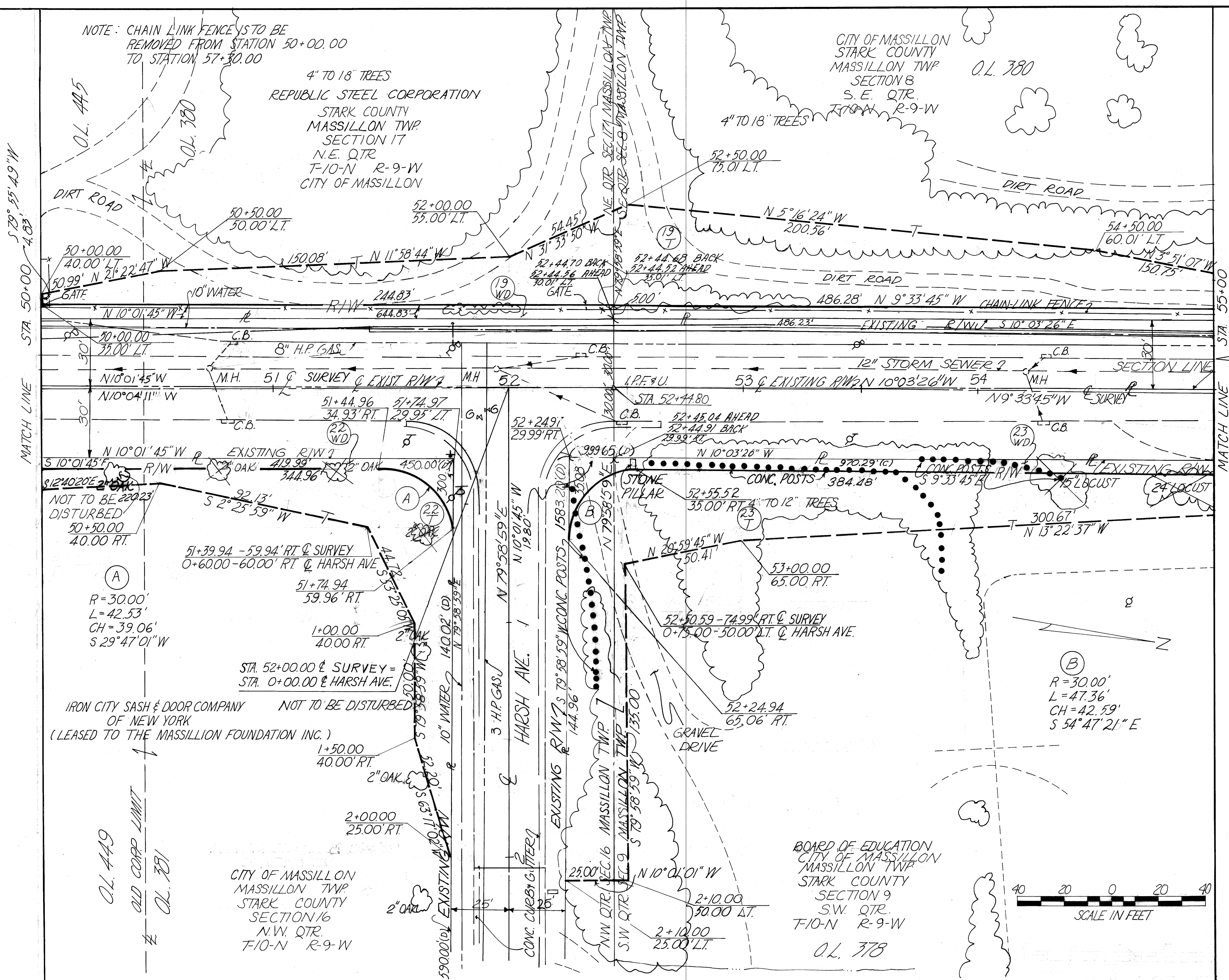
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SCALE IN FEET

FUNDS ISSUE 1	
REVISED Jury L. Ridgley	DATE 4/2/75

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	ISSUE 1	

STA. 16TH ST. S.E.
RIGHT OF WAY

79
88
8
17



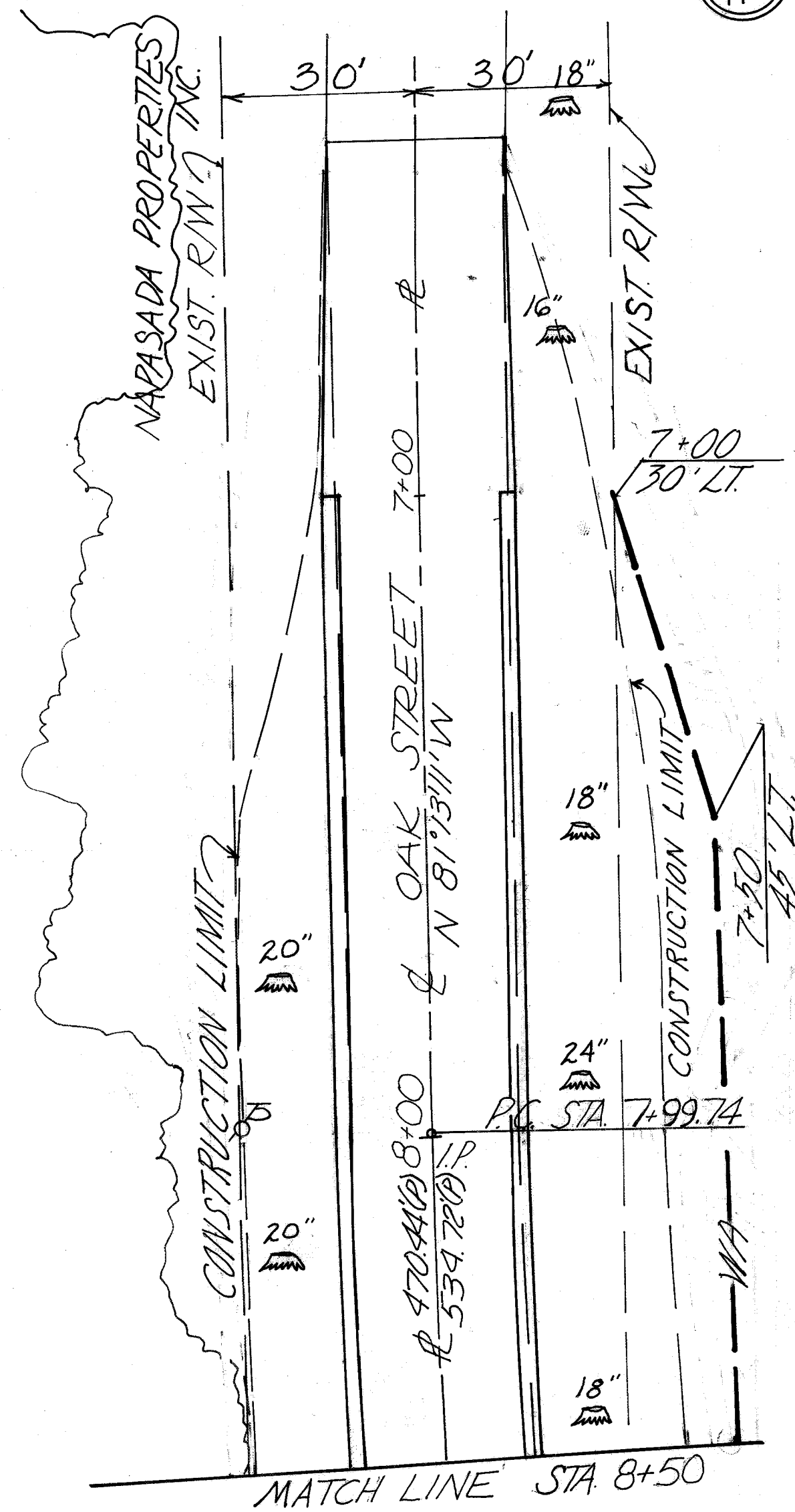
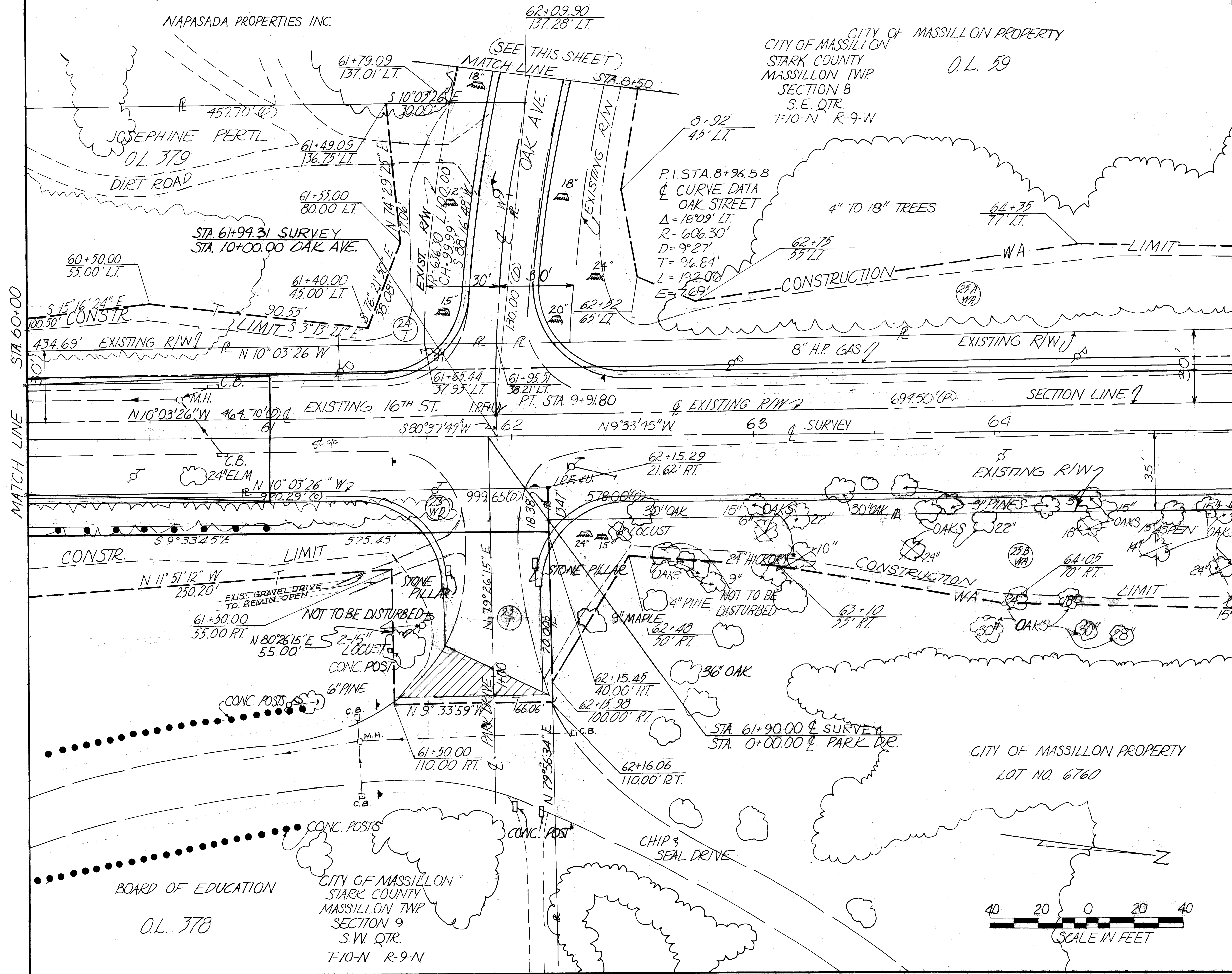
- (19) WD TBA 4635 SQ. FT.
- (19) T TBA 15706 SQ. FT.
- (22) WD TBA 2432 SQ. FT.
- (22) T TBA 6652 SQ. FT.
- (23) WD TBA 12091 SQ. FT.
- (23) T TBA 27345 SQ. FT.



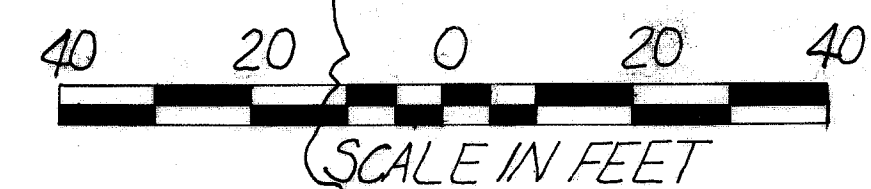
FUNDS	
ISSUE	DATE
1	4/2/75

R/W SHEET STA 50+00 TO STA 55+00

P-300 Acc. No. 2674



- (23) TBA 12091 SQ. FT.
- (23) TBA 27745 SQ. FT.
- (24) TBA 7853 SQ. FT.



FUNDS	
ISSUE	1
REVISED	DATE
Jerry L. Ridgely	4/2/15

STARK COUNTY
MASSILLON TWP.
SECTION 8
S.E. QTR.
T-10-N R-9-W
CITY OF MASSILLON

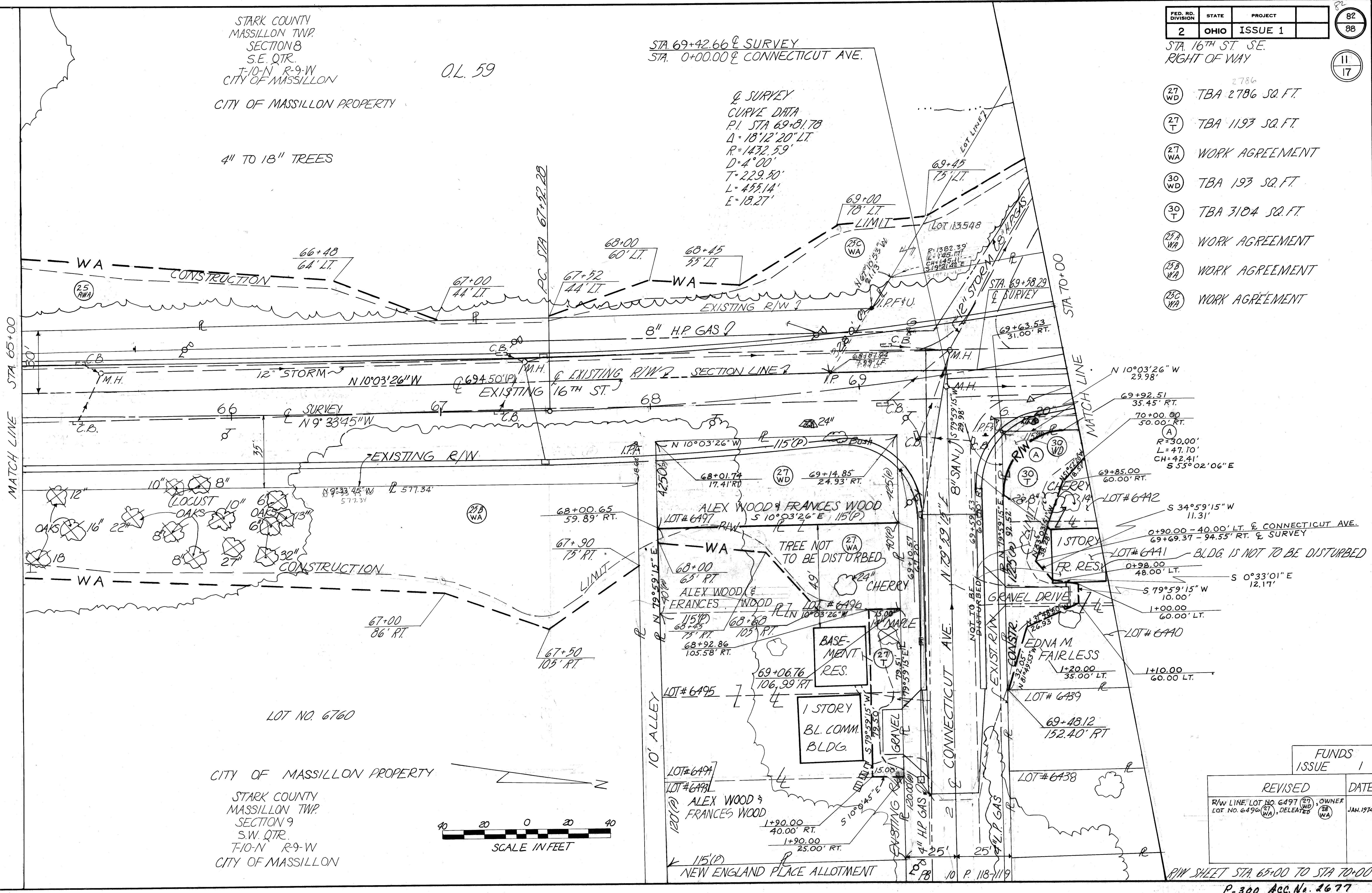
O.L. 59

CITY OF MASSILLON PROPERTY

STA. 69+42.66 & SURVEY
STA. 0+00.00 & CONNECTICUT AVE.

& SURVEY
CURVE DATA
P1 STA 69+81.78
Δ=18°12'20" LT
R=1432.59'
D=4°00'
T=229.50'
L=455.14'
E=18.27'

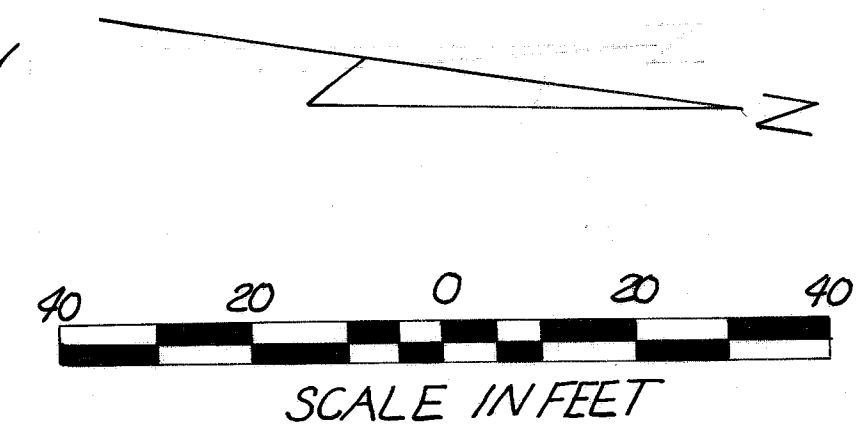
- (27 WD) TBA 2786 SQ. FT.
- (27 T) TBA 1193 SQ. FT.
- (27 WA) WORK AGREEMENT
- (30 WD) TBA 193 SQ. FT.
- (30 T) TBA 3104 SQ. FT.
- (25A WA) WORK AGREEMENT
- (25B WA) WORK AGREEMENT
- (25C WA) WORK AGREEMENT



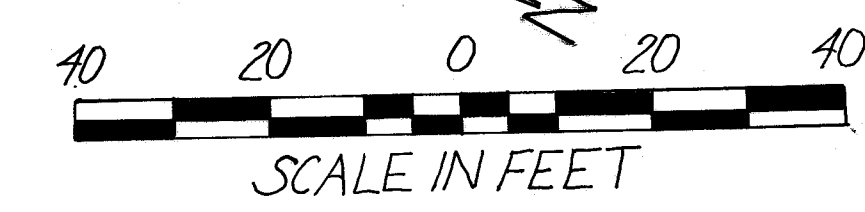
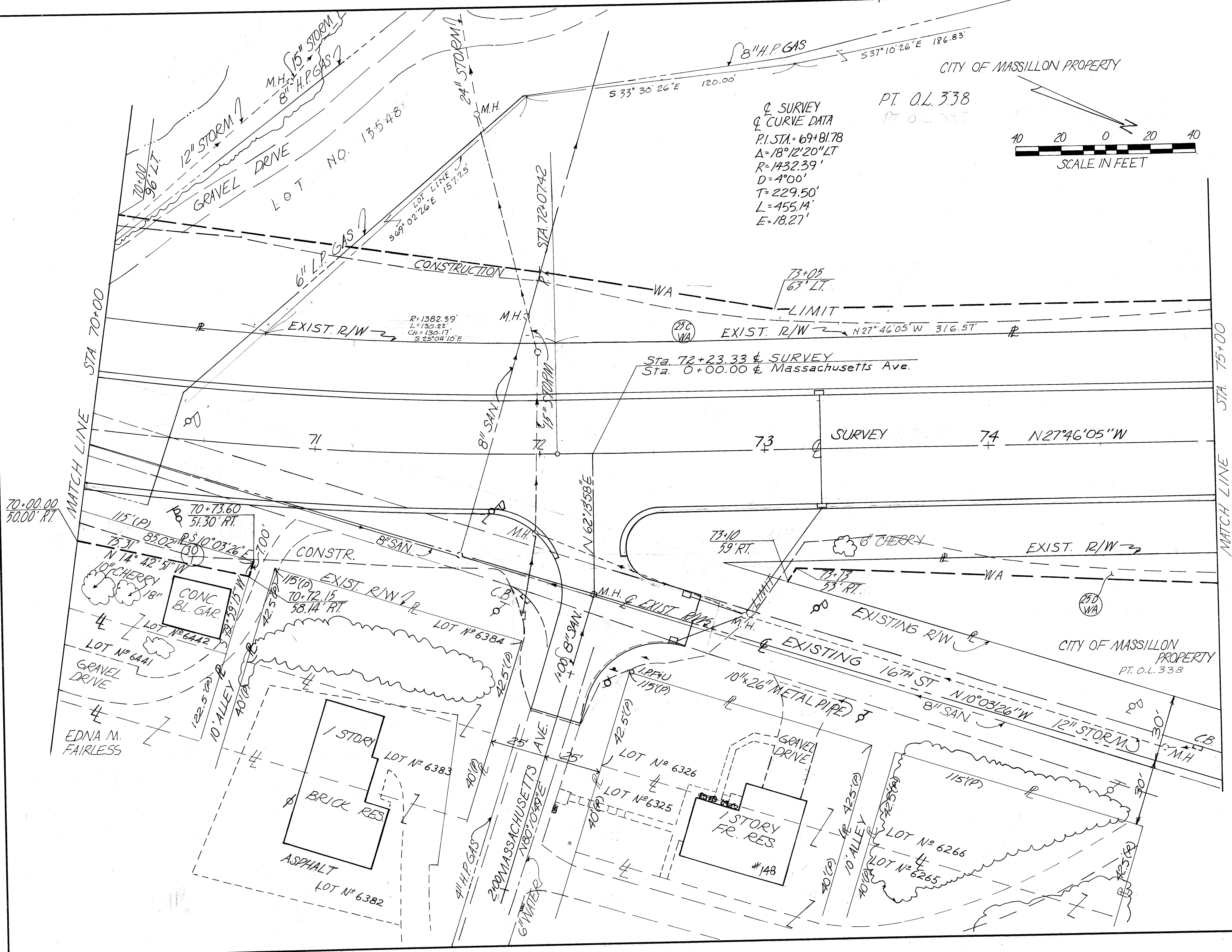
LOT NO. 6760

CITY OF MASSILLON PROPERTY

STARK COUNTY
MASSILLON TWP.
SECTION 9
S.W. QTR.
T-10-N R-9-W
CITY OF MASSILLON



FUNDS		ISSUE	1
REVISED	DATE		
R/W LINE LOT NO. 6497 (27) OWNER LOT NO. 6496 (27), DELETED (28)		JAN. 1974	



Q SURVEY
Q CURVE DATA
P.I. STA = 69+81.78
Δ = 18° 12' 20" LT
R = 1432.39'
D = 4° 00'
T = 229.50'
L = 455.14'
E = 18.27'

Sta. 72+23.33 & SURVEY
Sta. 0+00.00 & Massachusetts Ave.

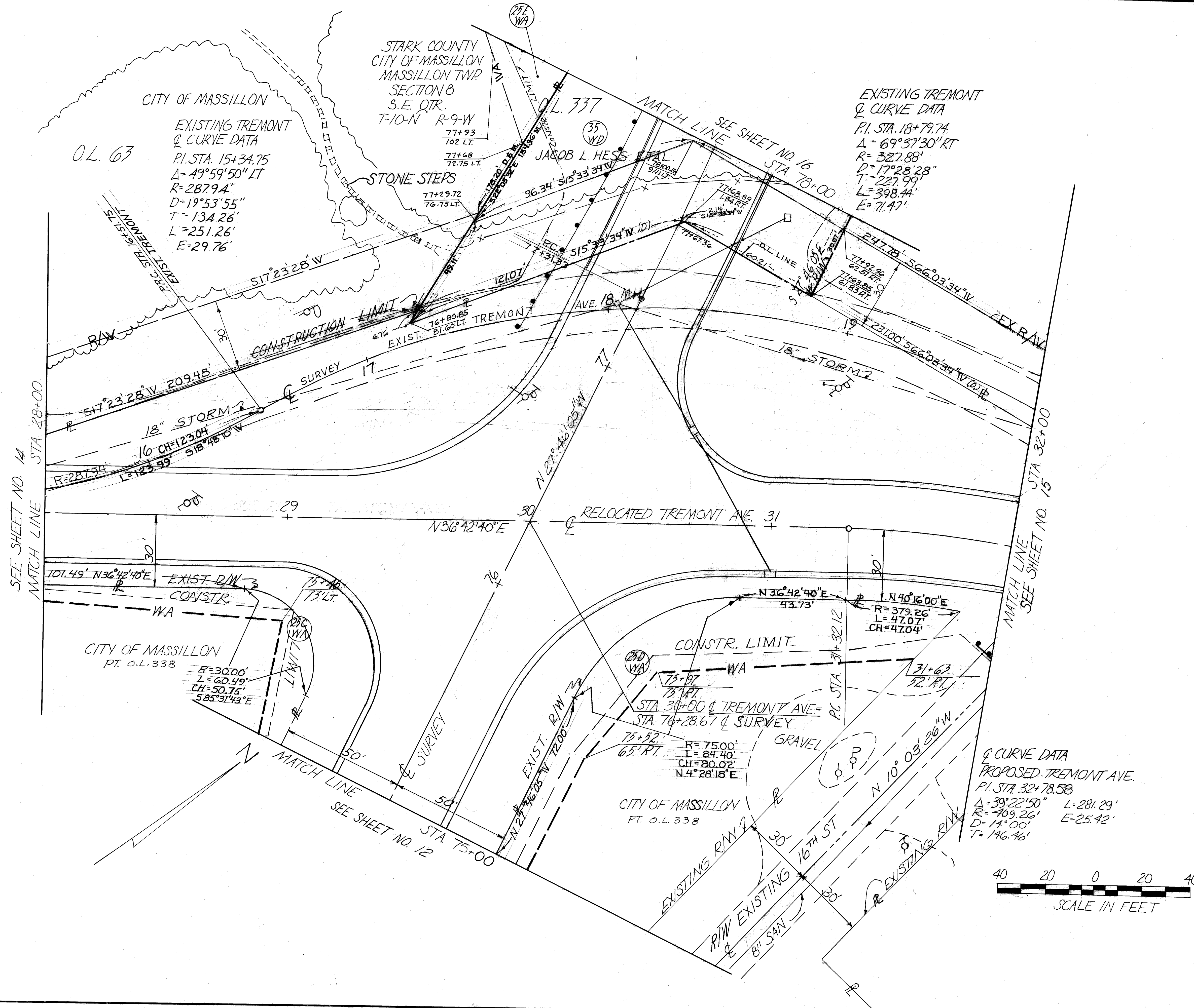
- (30) TBA 3184 SQ. FT.
- (25C) WORK AGREEMENT
- (25D) WORK AGREEMENT

FUNDS		ISSUE	1
REVISED	DATE		
ADDED LOT 13548	JAN. 1974		

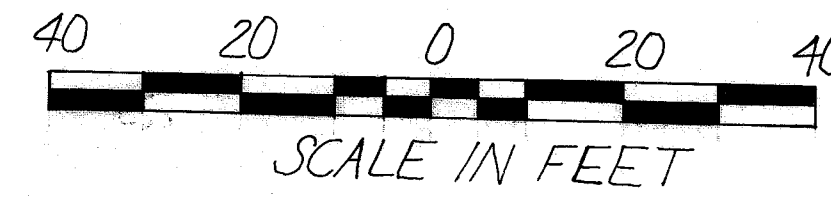
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	ISSUE 1	

STA. 16TH ST. S.E.
RIGHT OF WAY

84
88
13
17

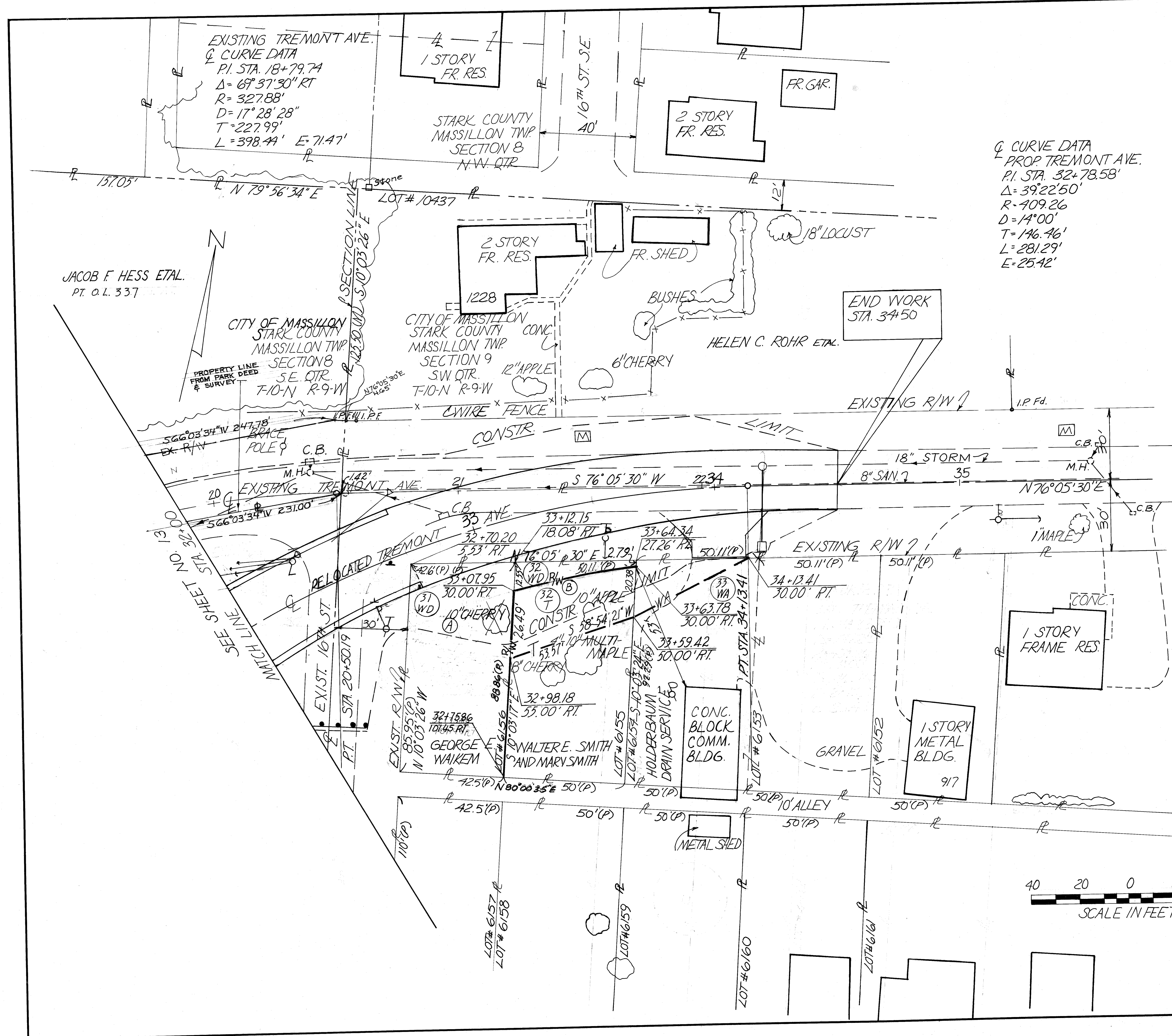


- (25) WA WORK AGREEMENT
- (35) WD TBA 86198 SQ. FT.
PRO 18021 SQ. FT.
CONTO 4219 SQ. FT.
- (25) WA WORK AGREEMENT
- (25) WA WORK AGREEMENT
- (25) WA WORK AGREEMENT



FUNDS	
ISSUE	1
REVISED	DATE
ALINEMENT, 16 TH ST., NO. OF STA 77+31, R/W LINE TREMONT AVE, SO. R.O.L. 337	JAN. 74

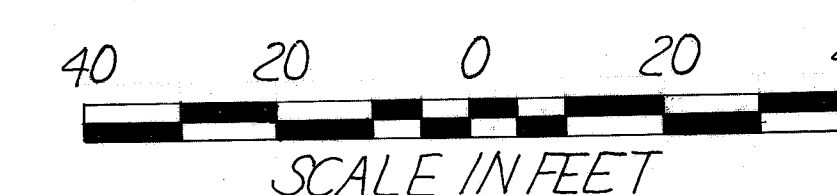
R/W SHEET STA 75+00 TO STA. 78+00



- (31) TBA 839 SQ. FT.
- (31) TBA 681 SQ. FT.
- (32) TBA 384 SQ. FT.
- (32) TBA 1202 SQ. FT.
- (33) WORK AGREEMENT

(A)
R=379.26'
L=45.90'
CH=45.87'
S 57° 51' 38" W

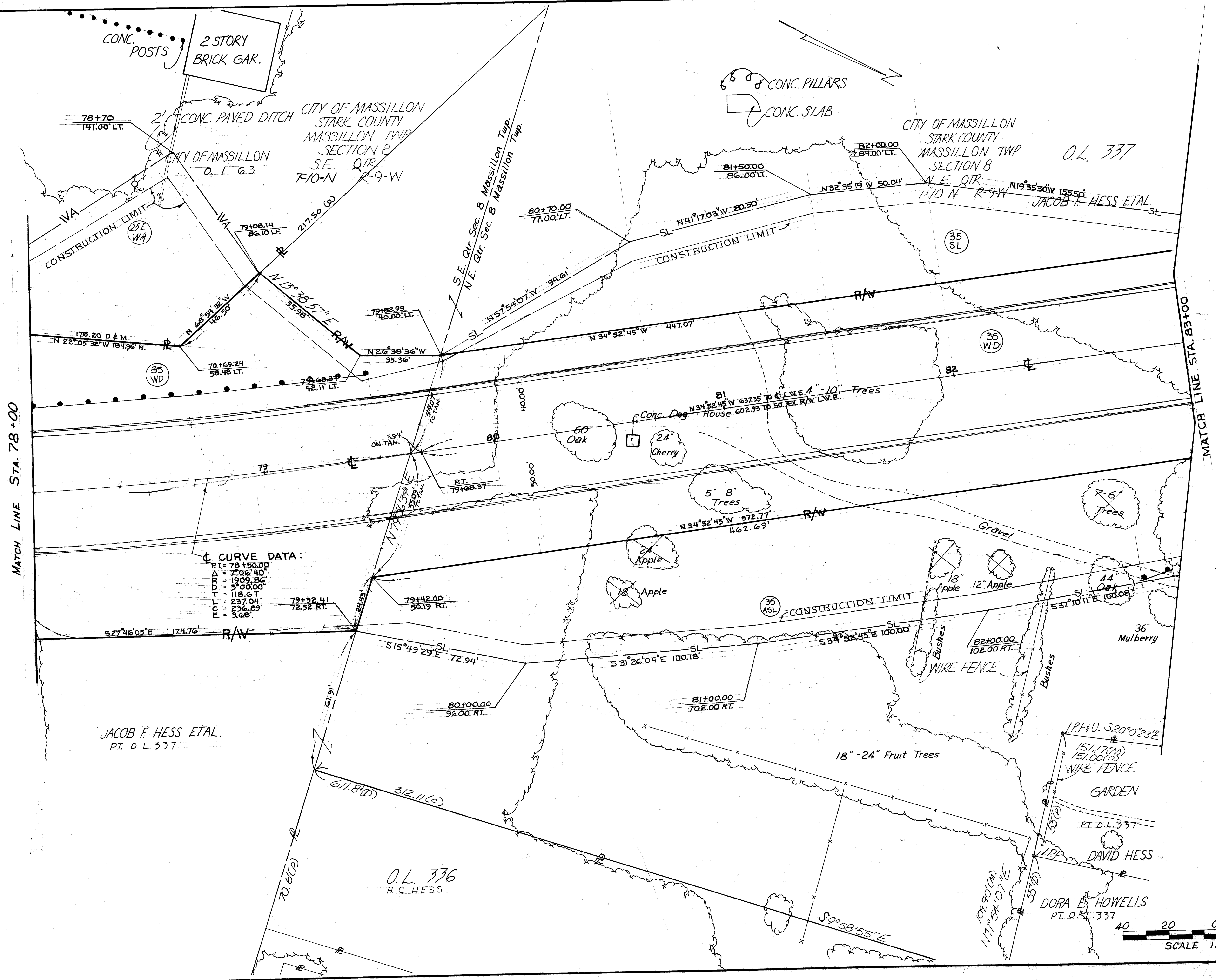
(B)
R=379.26'
L=51.73'
CH=51.69'
S 65° 14' 06" W



FUNDS
ISSUE 1

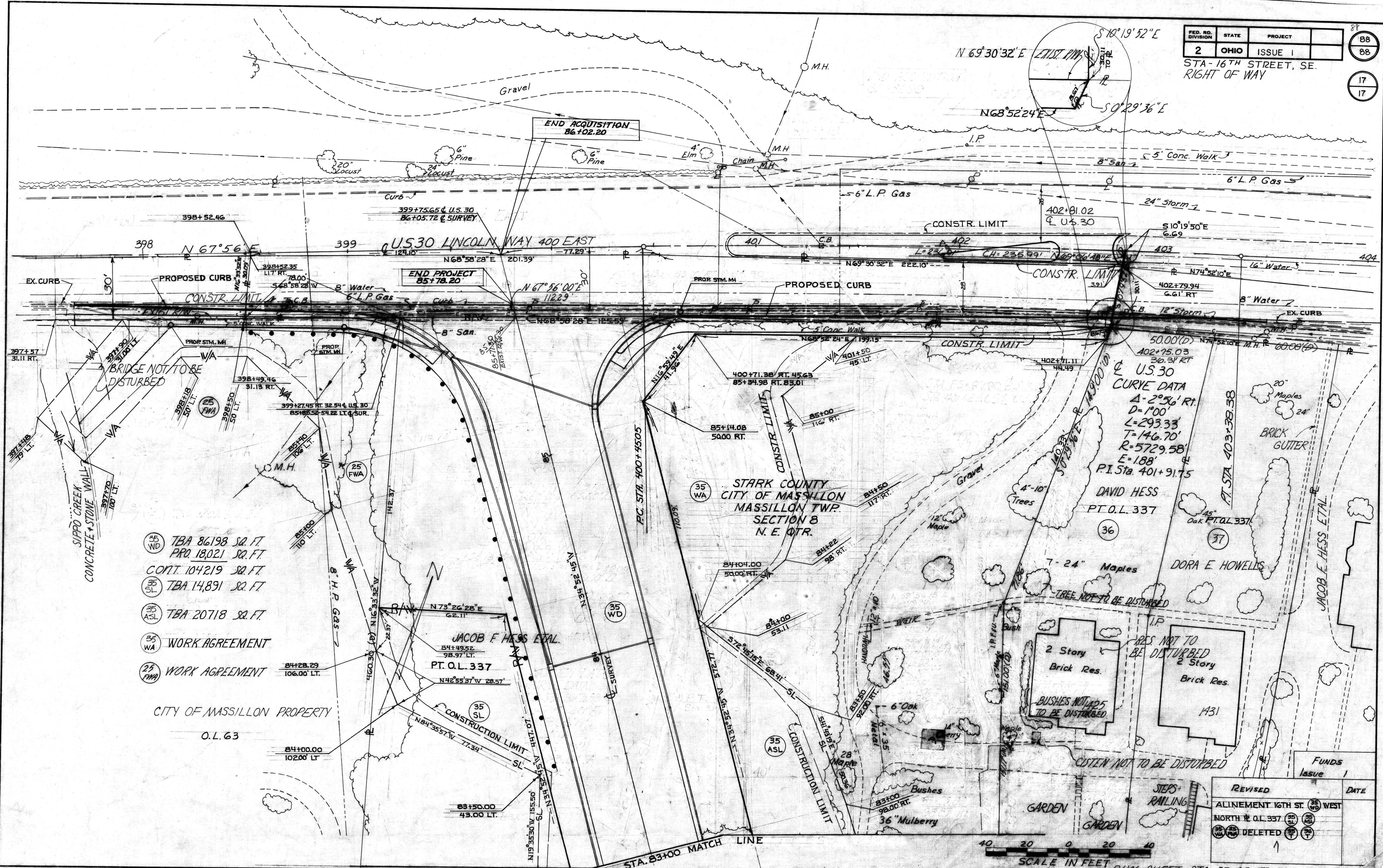
REVISED	DATE
SO. F. HESS PROP. O.L. 337	JAN '74

TREMONT AVE. R/W SHEET STA. 32+00 TO END WORK
P-300 ACC. NO. 2681



- (27) EWA WORK AGREEMENT
- (35) TBA 86198 SQ. FT. PRO. 18021 SQ. FT. CONT. 104219 SQ. FT.
- (35) TBA 14891 SQ. FT.
- (35) TBA 20718 SQ. FT.

FUNDS	
ISSUE	1
REVISED	DATE
ALINEMENT, 16TH ST. S.E. INVEST # HESS PROP. (PT. O.L. 337), (35) (35) (35)	JAN. 74



- (35 WD) TBA 86198 SQ. FT
- PRO. 18,021 SQ. FT
- CONT. 10,4219 SQ. FT
- (35 SL) TBA 14,891 SQ. FT
- (35 ASL) TBA 20,718 SQ. FT
- (35 WA) WORK AGREEMENT
- (35 FWA) WORK AGREEMENT

CITY OF MASSILLON PROPERTY
O.L. 63

STARK COUNTY
CITY OF MASSILLON
MASSILLON TWP.
SECTION 8
N.E. QTR.

CURVE DATA
 $\Delta = 2^\circ 56' 11"$ RT.
 $D = 1^\circ 00'$
 $L = 293.33'$
 $T = 146.70'$
 $R = 5729.58'$
 $E = 1.88'$
 P.I. Sta. 401+91.75

DAVID HESS
PT. O.L. 337

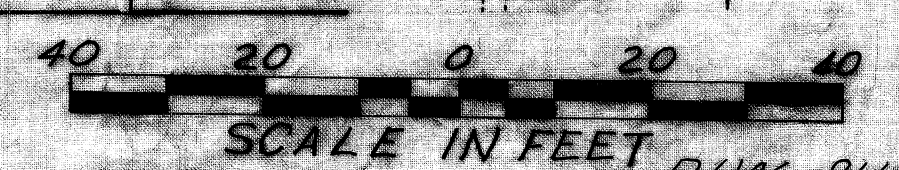
DORA E. HOWELLS

2 Story
Brick Res.

2 Story
Brick Res.

GARDEN

GARDEN



FUNDS		Issue 1	
REVISED	DATE	REVISED	DATE
ALINEMENT 16TH ST. (35 WD) WEST			
NORTH TO O.L. 337 (35 SL)			
(35 WA) DELETED (35 T)			

R/WK SHEET STA. 83+00 TO END OF WORK

GENERAL INFORMATION

INTRODUCTION

THIS REPORT CONSISTS OF THE SOILS INVESTIGATION OF 0.76 MILE OF PROPOSED 16TH STREET, BEGINNING AT EXISTING 16TH STREET, 500 FEET SOUTH OF HARSH AVENUE, EXTENDING NORTHWARD AND TERMINATING AT USR 30 (LINCOLN WAY EAST) INCLUDED IN THIS REPORT ARE SOIL PROFILES OF OAK AVENUE AND TREMONT AVENUE

PROPOSED GRADES INDICATE THE FOLLOWING MAXIMUM PROPOSED CUTS AND FILL EMBANKMENTS:

	CUTS (MAX)	FILL EMBANKMENTS (MAX)
16TH STREET	30'	18'
OAK AVENUE	3'	-
TREMONT AVENUE	5'	3'

GEOLOGY OF THE PROJECT

THE PROJECT IS LOCATED ON THE MODERATELY DISSECTED, GLACIATED ALLEGHENY PLATEAU. IN AN AREA WHERE MODERATELY THICK GLACIAL DRIFT OVERLIES SAND-STONE BEDROCK, OF PENNSYLVANIAN AGE

EXPLORATION

EXPLORATORY BORINGS WERE MADE BY MEANS OF TRUCK-MOUNTED MECHANICAL SOIL AUGER, HAND AUGER (IN DIFFICULT ACCESS AREAS) AND ROTARY-TYPE DRILL RIG, BETWEEN APRIL 28 AND MAY 2, 1972 AND ON MAY 10, 1972

INVESTIGATIONAL FINDINGS

MATERIALS ENCOUNTERED ON THE PROJECT WERE PREDOMINANTLY COMPRISED OF SANDY SILTS (A-4g), GENERALLY HAVING LOW MOISTURE CONTENTS AND MOISTURE CONTENTS IN THE LOWER PORTIONS OF THE PLASTIC RANGE

WET MATERIALS WERE ENCOUNTERED AT 16TH STREET STATIONS 62+50 AND 64+00

LEGEND FOR PROJECT AVERAGE RESULTS OF TESTS— 48 SAMPLES TESTED

DESCRIPTION	H.R.B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
GRAVEL	A-1-a(0)	A-1-a	63	17	10	10	-	NP	NP	10	3
GRAVEL WITH SAND	A-1-b(0)	A-1-b	41	17	22	18	-	NP	NP	10	2
COARSE AND FINE SAND	---	A-3a	17	26	40	17	-	NP	NP	13	1
STONE FRAGMENTS WITH SAND AND SILT	A-2-4(0)	A-2-4	42	9	17	21	11	22	5	12	3
SANDY SILT	A-4(4)	A-4a	20	7	20	36	17	22	6	15	29
SILT	A-4(8)	A-4b	7	6	13	50	24	26	8	22	1
SILT AND CLAY	A- (9)	A-6a	10	5	13	43	29	31	13	21	7
SILTY CLAY	A-6(10)	A-6b	2	1	3	55	39	37	16	21	2

TOPSOIL=X'-APPROXIMATE DEPTH

AUGER BORING-PLAN VIEW

DRIVE SAMPLE BORING-PLAN VIEW

AUGER BORING PLOTTED TO VERTICAL SCALE ONLY

DRIVE SAMPLE BORING PLOTTED TO VERTICAL SCALE ONLY

NOTE: FIGURES BESIDE BORINGS INDICATE WATER CONTENT IN PERCENT F G /5

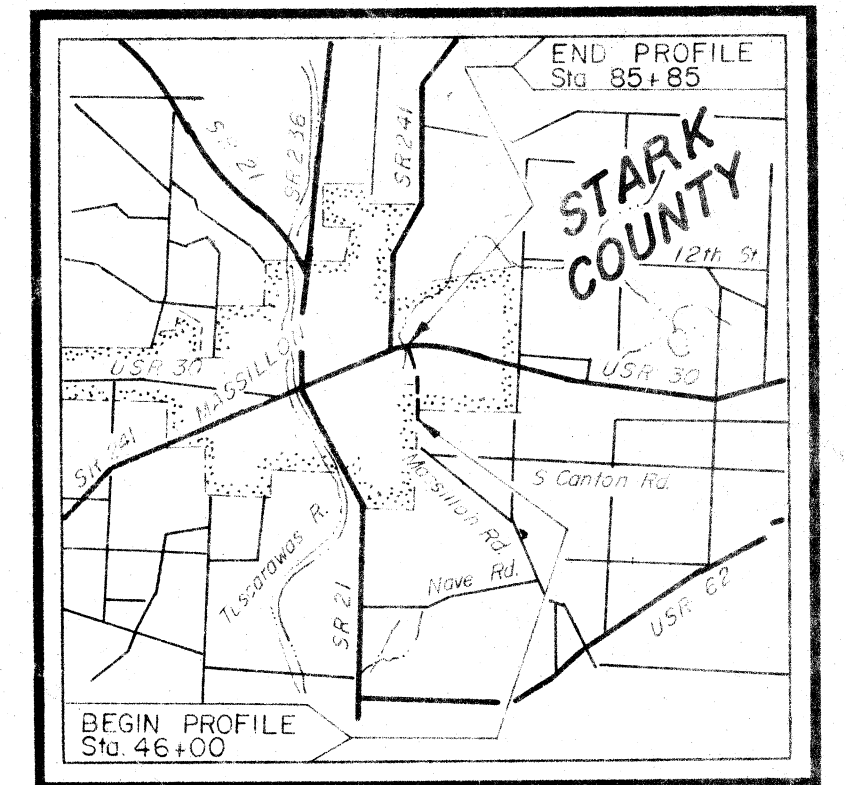
WATER CONTENT NEARLY EQUAL TO OR GREATER THAN LIQUID LIMIT

NUMBER OF BLOWS FOR "STANDARD PENETRATION" TEST.
X=NUMBER OF BLOWS FOR FIRST 6 INCHES
Y=NUMBER OF BLOWS FOR SECOND 6 INCHES

SOIL PROFILE STARK COUNTY

STA- 16th ST. S.E.
OHIO STATE HIGHWAY TESTING
LABORATORY
1620 W. BROAD ST. COLUMBUS, OHIO 43223

NOTE: INFORMATION SHOWN BY THIS SUBGRADE PROFILE WAS OBTAINED SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THIS DATA AND IT IS NOT TO BE CONSTRUED AS A PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT.



LOCATION MAP

Recon-J.S.M. 4/18/72
Drilling-Auger-W.S.B. 5/10/72
Core-H.D.P. 4/28/72 to 5/2/72
Drafting-A.F. 6/5/72

SUMMARY OF SOIL TEST DATA

NOTE: NP SHOWN IN LIQUID LIMIT AND PLASTICITY INDEX COLUMNS INDICATES THAT THE MATERIAL IS NON-PLASTIC
*DENOTES SAMPLE TAKEN AT OR NEAR GRADE

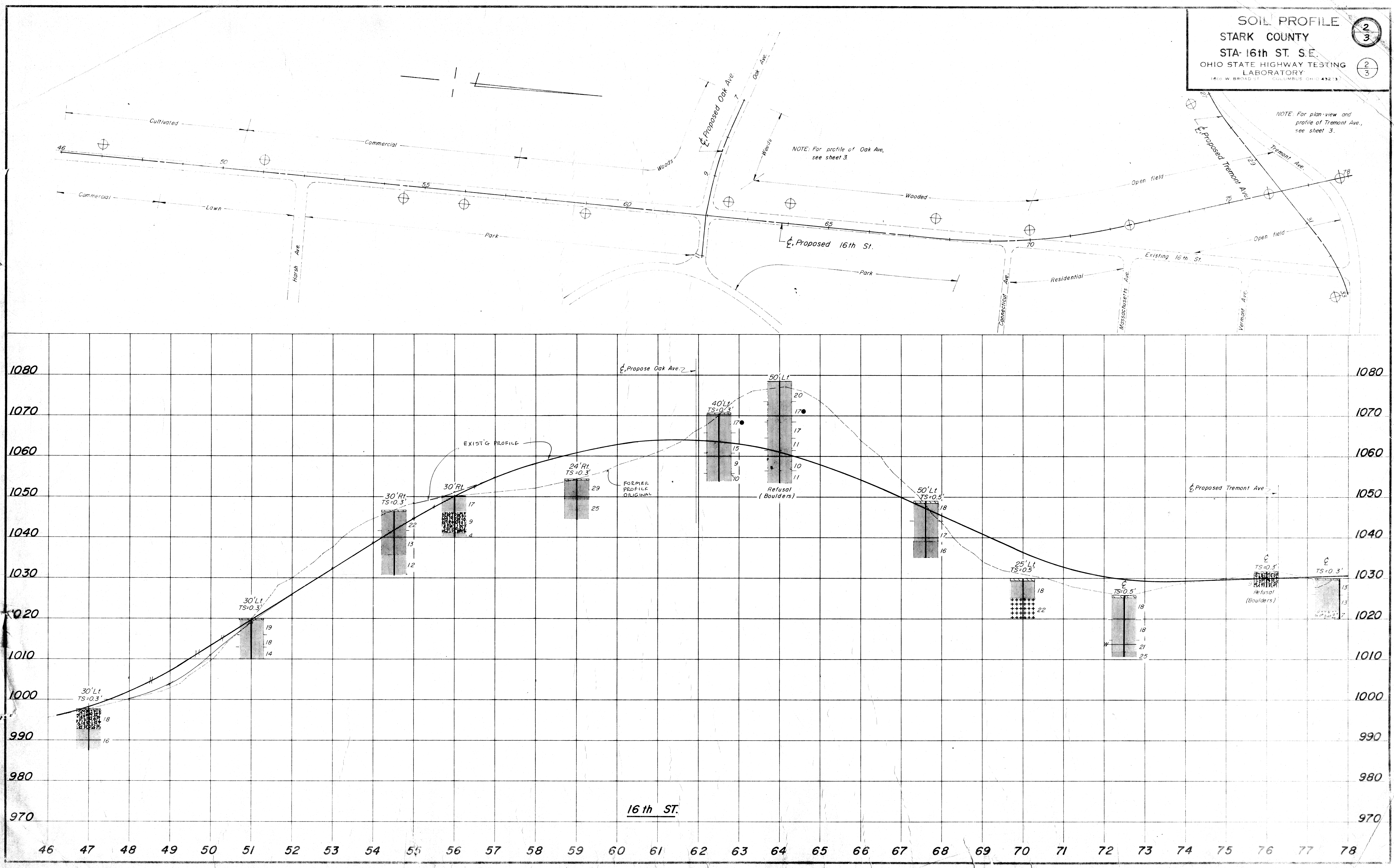
STATION & OFFSET	DEPTH		% TO AGG	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS
	FROM	TO									
16TH STREET											
47+00 30'Lt	0 3-5 0	38	11	20	23	8	NP	NP	8	A-2-4 *	
	5 0-10 0	27	11	19	31	12	NP	NP	16	A-4a	
51+00 30'Lt	0 3-4 0	35	10	12	31	12	26	9	19	A-4a *	
	4 0-7 0	23	4	26	37	10	NP	NP	13	A-4a	
	7 0-10 0	10	8	22	41	19	20	5	14	A-4a	
54+50 30'Rt	0 3-5 0	9	3	9	50	29	30	12	22	A-6a *	
	5 0-11 0	18	6	22	35	19	24	11	13	A-6a *	
	11 0-16 0	24	9	18	34	15	20	6	12	A-4a	
56+00 30'Rt	0 0-4 0	4	1	4	54	37	36	16	17	A-6b *	
	4 0-9 0	45	6	16	21	12	22	8	9	A-2-4	
	9 0-10 0	12	5	39	38	6	NP	NP	4	A-4a	
59+00 24'Rt	0 3-5 0	0	2	4	61	33	34	12	29	A-6a	
	5 0-10 0	0	1	2	56	41	37	16	23	A-6b	
62+50 40'Lt	0 3-5 0	7	6	22	41	24	19	4	17	A-4a	
	5 0-10 0	26	7	20	30	17	23	8	15	A-4a	
	10 0-15 0	8	6	22	43	21	22	7	9	A-4a	
	15 0-17 0	16	9	19	36	20	20	6	10	A-4a	
64+00 50'Lt	0 5-5 0	9	5	20	45	21	24	8	20	A-4a	
	5 0-10 0	28	5	18	34	15	20	7	17	A-4a	
	10 0-14 0	11	6	20	43	20	20	7	17	A-4a	
	14 0-17 0	39	6	19	29	12	20	6	11	A-4a	
	17 0-22 0	30	8	17	25	14	18	5	10	A-4a	
	22 0-25 0	20	8	18	35	19	19	7	11	A-4a	
67+60 50'Lt	0 5-5 0	23	8	20	33	16	23	10	18	A-4a	
	5 0-10 0	6	10	26	42	16	NP	NP	17	A-4a	
	10 0-14 0	6	5	12	38	39	32	14	16	A-6a	
70+00 25'Lt	0 5-5 0	16	7	21	36	20	23	8	18	A-4a	
	5 0-10 0	7	6	13	50	24	26	8	22	A-4b	
72+50 CL	0 5-6 0	19	9	14	38	20	24	7	18	A-4a	
	6 0-11 0	20	7	18	37	18	25	9	18	A-4a	
	11 0-14 0	10	6	19	44	21	27	10	21	A-4a	
	14 0-15 0	19	8	17	32	24	35	15	25	A-6a	
76+00 CL	0 3-4 0	43	11	13	21	12	22	7	9	A-2-4 *	
77+80 CL	0 3-4 0	27	12	18	32	15	22	7	13	A-4a *	
	4 0-6 0	35	13	16	25	11	21	7	13	A-4a	
	8 0-10 0	70	16	6	4	4	NP	NP	7	A-1-a	
TREMONT AVENUE											
78+75 CL	0 0-1.5	58	11	13	13	5	NP	NP	8	A-1-b	
27+00 50'Rt	0 5-5 0	24	9	18	32	17	23	7	17	A-4a	
	5 0-10 0	19	9	19	37	16	21	7	13	A-4a	
33+00 30'Rt	0 3-2 0	12	7	20	41	20	26	10	15	A-4a *	
DRIVE SAMPLE SOIL TEST DATA											
16TH STREET											
82+00 CL	0 0-1 0	8	8	20	46	18	35	11	23	A-6a	
	5 0-6 0	17	9	18	35	21	25	9	20	A-4a	
	10 0-11 0	15	6	16	39	24	26	12	19	A-6a	
	15 0-16 0	24	27	30	-	19	NP	NP	13	A-1-b	
	25 0-26 0	4	6	19	48	23	24	7	20	A-4a	
	30 0-31 0	51	19	18	-	12	NP	NP	12	A-1-a *	
	35 0-36 0	67	15	8	-	10	NP	NP	11	A-1-a	
	40 0-41 0	17	26	40	-	17	NP	NP	13	A-3a	

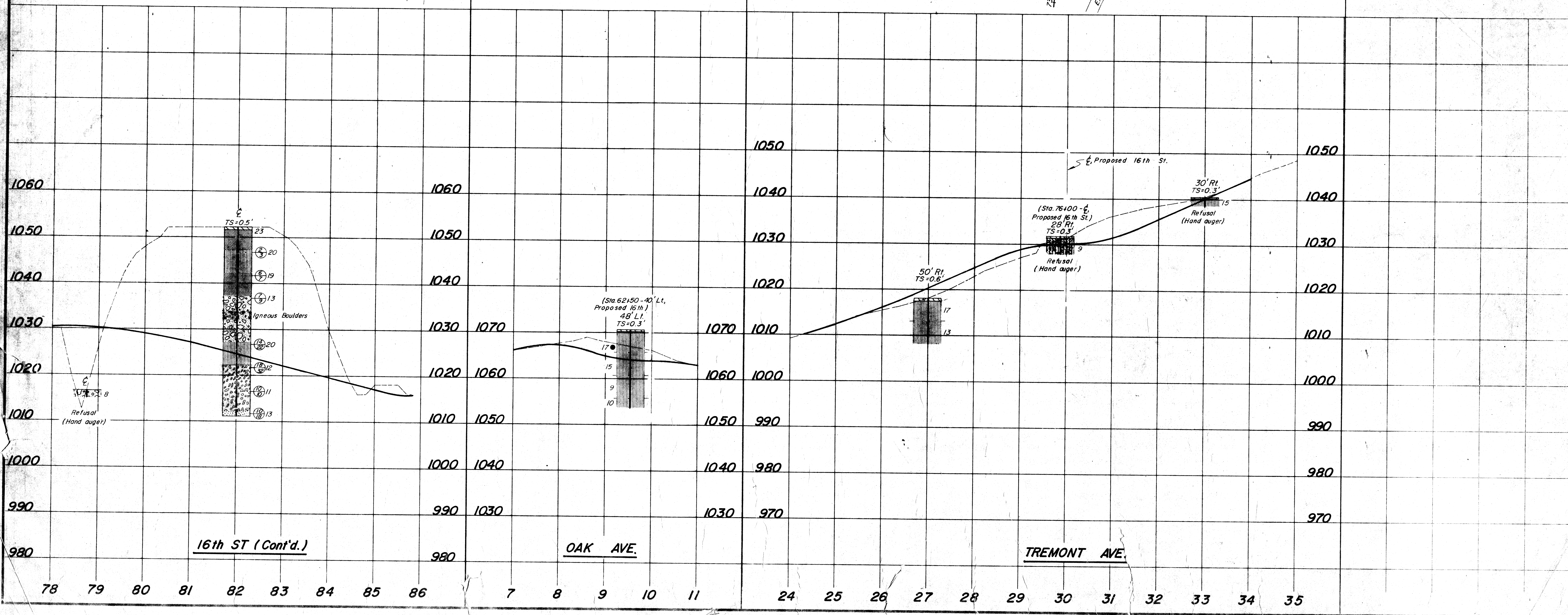
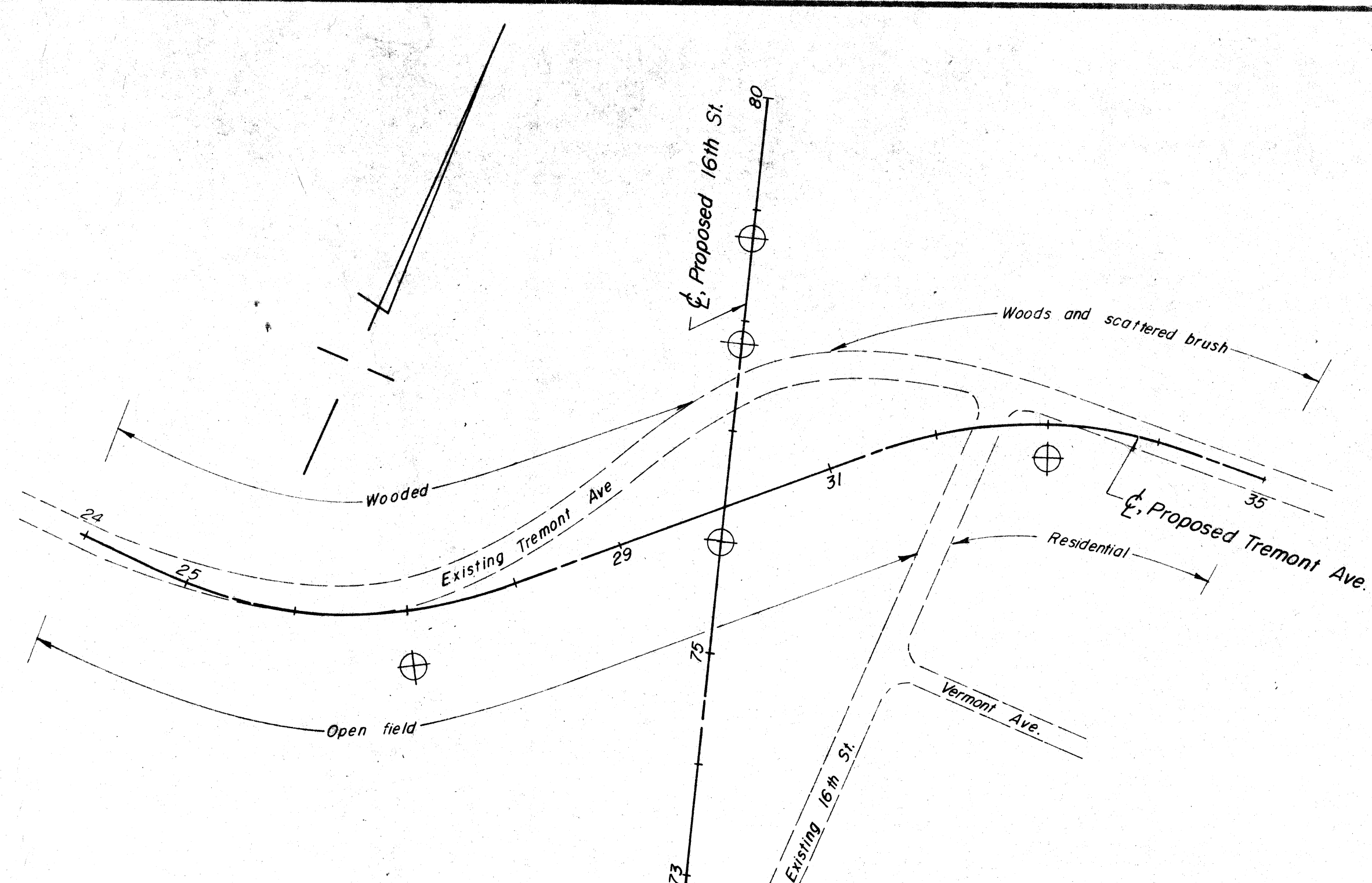
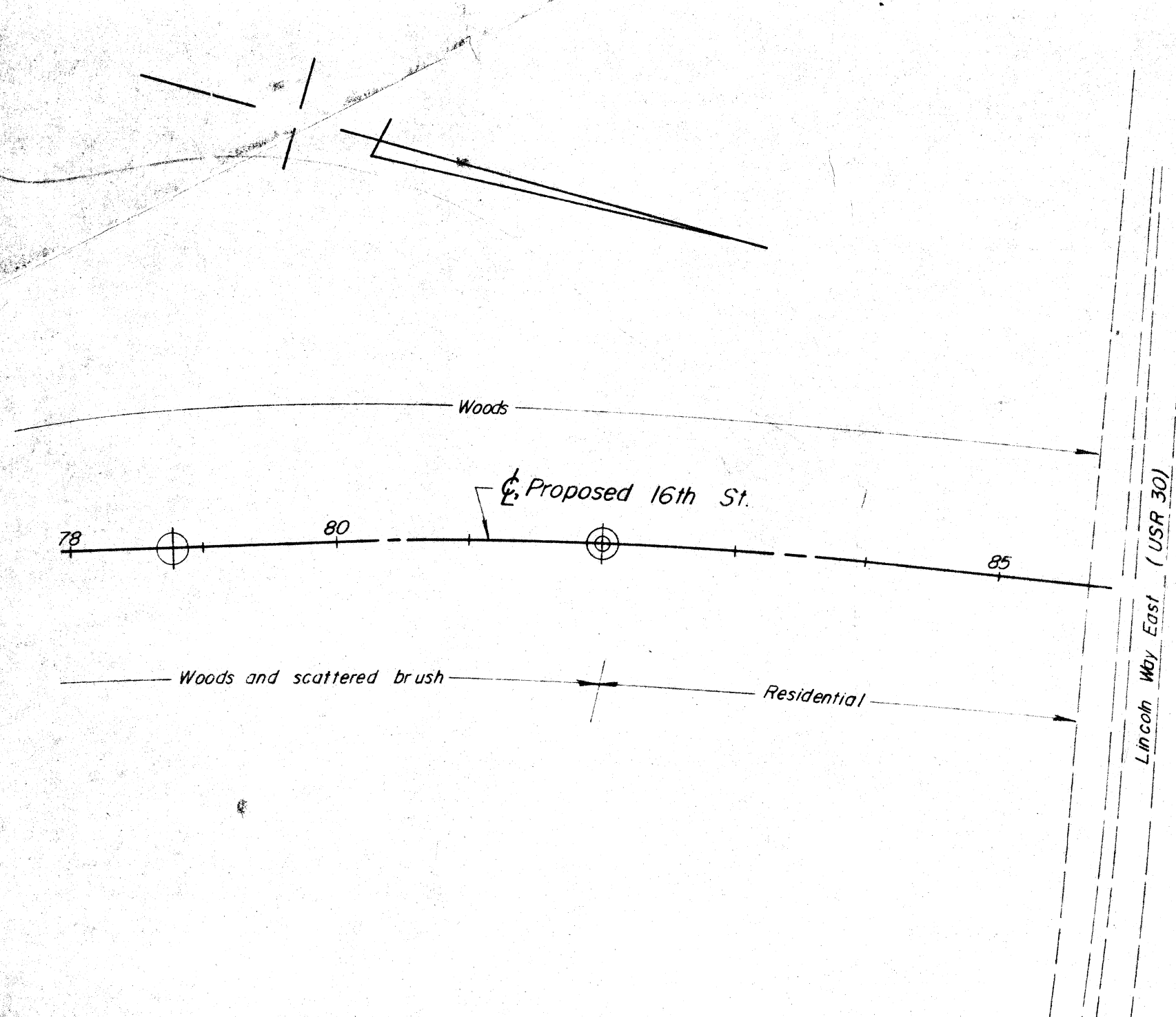
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SOIL PROFILE
STARK COUNTY
STA- 16th ST. S.E.
OHIO STATE HIGHWAY TESTING
LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43213

2
3

2
3





PROPOSED 16TH ST. S.E., ISSUE NO. 1, RIGHT OF WAY
 O.L. 63 & PT. O.L. 337, J.F. HESS
 DEC. 1973 BY MASSILLON CITY ENG. OFF., R.F. WAGONER, CITY ENG.
 SCALE 1" = 50'

CITY OF MASSILLON

PROPERTY LINE PARK DEED & SURVEY

NET RESIDUE LT.
 59,038.00
 1.355 AC.

TOTAL TAKE

NET RESIDUE RT.
 120,801.00
 2.773 AC.

CURVE DATA:
 P1=78+50.00
 R=1909.86'
 L=118.67'
 T=118.67'
 E=3.68'
 C=28.89'

PRO. 10,513
 0.241 AC.

O.L. 336

PRO. 12,774
 0.293 AC.