

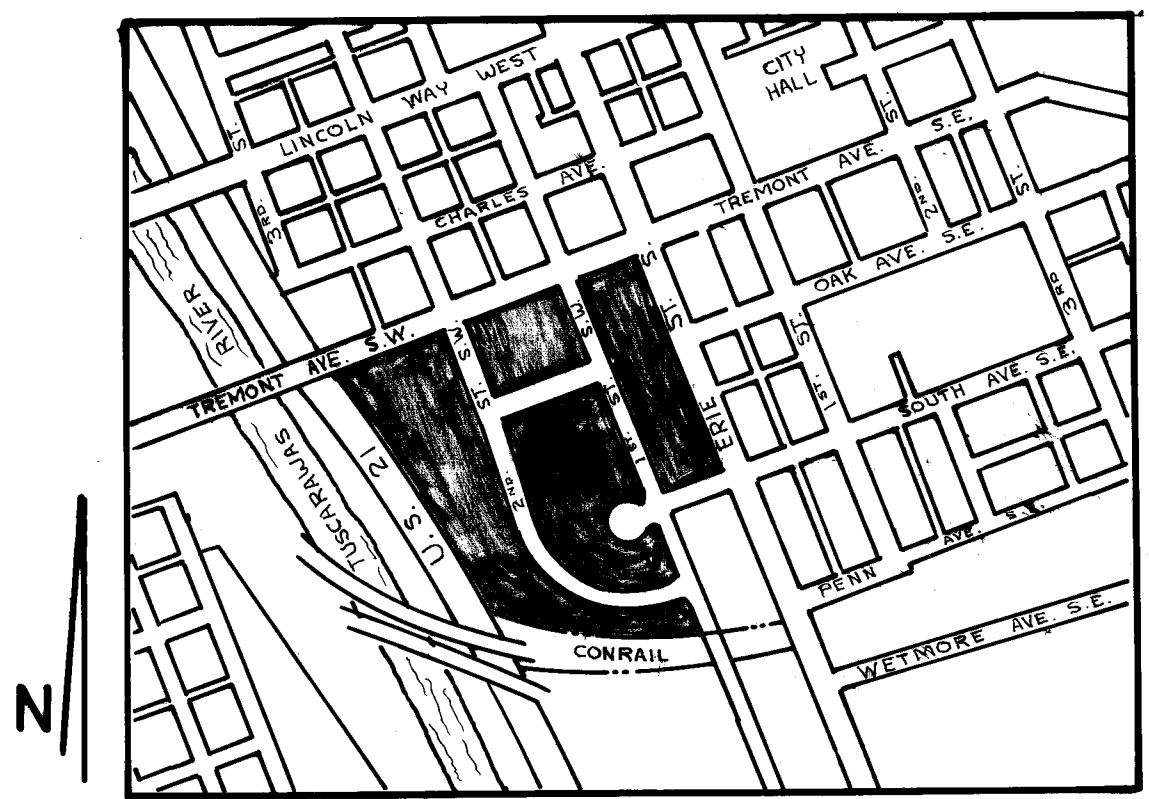
LOWRY PRICE RENEWAL AREA

SIDEWALK, CURB AND STREET IMPROVEMENTS

1ST ST., SOUTH AVE. & OAK AVE. S.W.

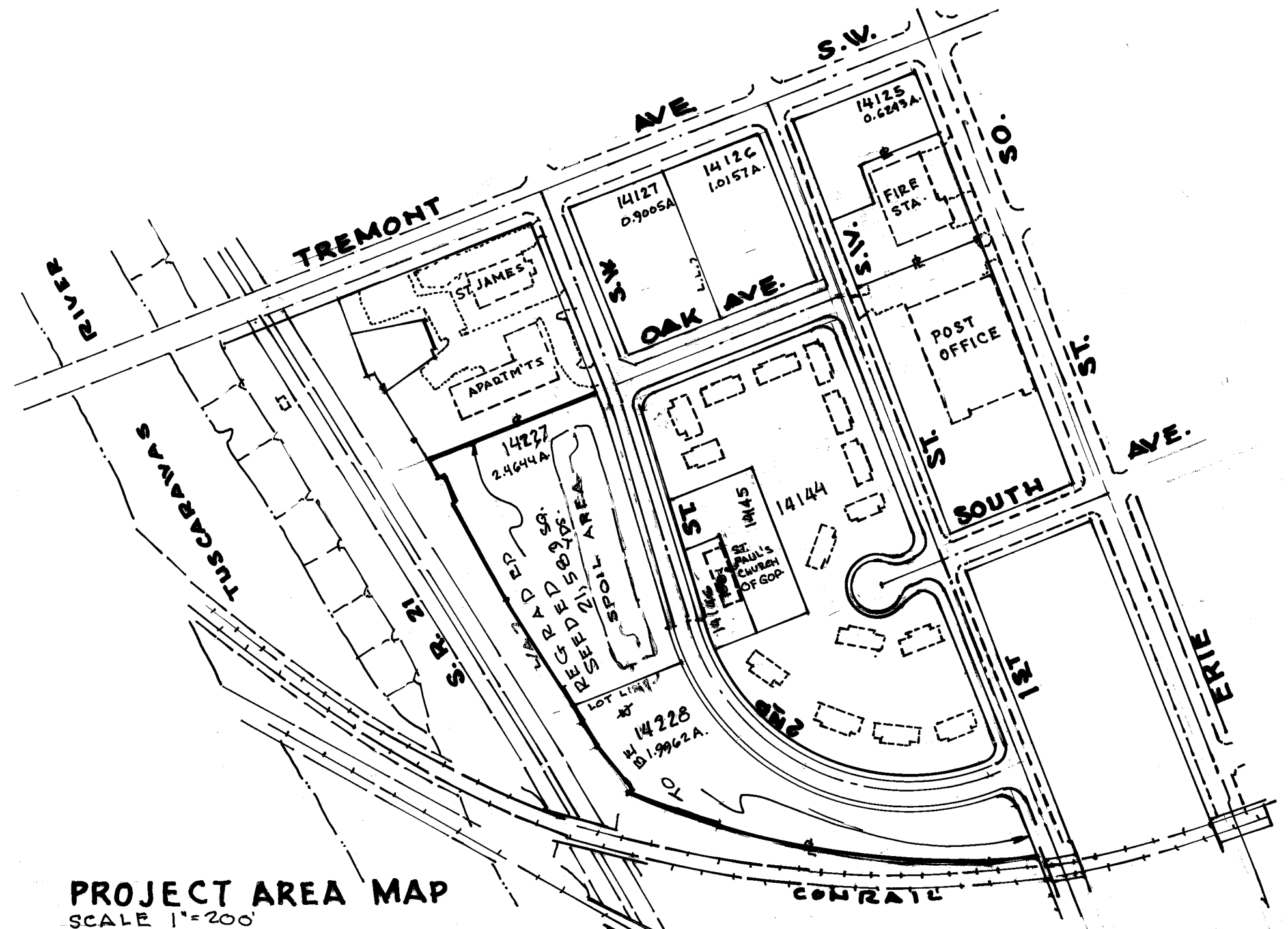
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SITE MAP SCALE 1" = 600"

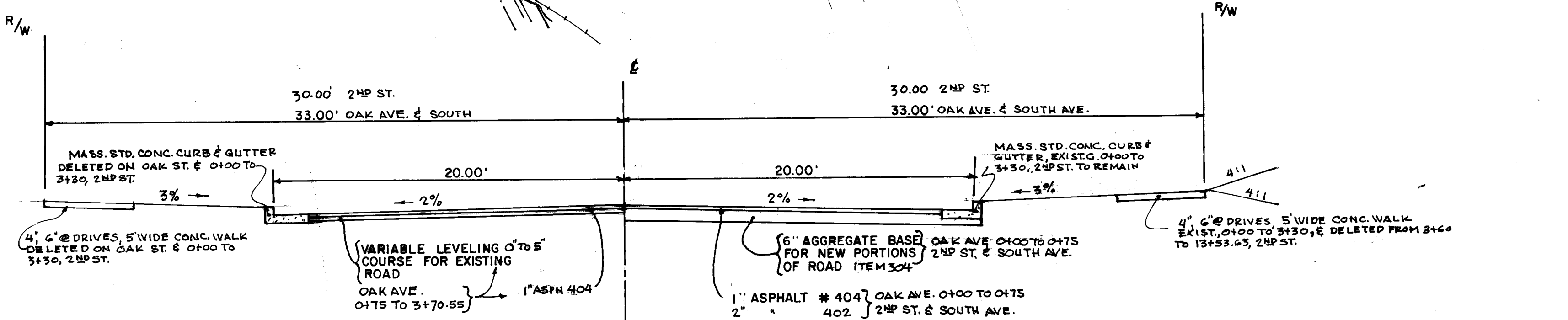
D. A. DEMMER _____ MAYOR
TED WILLOUGHBY _____ SAFETY SERVICE DIR.
ROBERT WAGONER _____ CITY ENGINEER



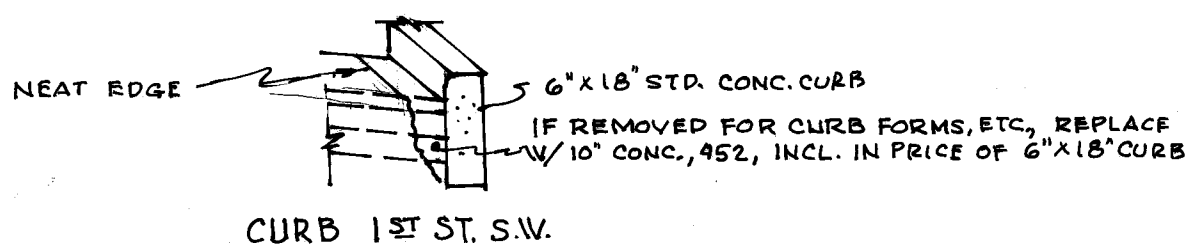
PROJECT AREA MAP SCALE 1" = 200"

GENERAL SUMMARY

SHEET NO.						UNIT	TOTAL QUANTITY	ITEM	DESCRIPTION
6	5	4	3	2	1				
						LUMP	LUMP	201	CLEARING & GRUBBING (SEE GENERAL NOTES)
				1847	1239	LIN. FT.	3086	202	REMOVE EXIST. CURB
				7680	6440	SQ. FT.	14,120	202	REMOVE EXIST. WALK & DRIVES
				6488	258	SQ. YD.	6,746	202	REMOVE EXIST. PAVEM'T
117	1698	243				CU. YDS.	2,058	203	EXCAVATION & EMBANKMENT
(343)	(857)	(253)				CU. YD.	200	203	BORROW (BANK RUN) SEE GENERAL NOTES
						SQ. YD.	21,589	203	REGRADE OPEN SPACE AREA (SEE GENERAL NOTES)
				927	125	CU. YD.	1052	304	AGGREGATE BASE
				261	81	CU. YD.	342	402	ASPHALT CONCRETE
				247	68	CU. YD.	315	404	ASPHALT CONCRETE
				12	4	EACH	16	604	EXIST. MANHOLE ADJUST'D TO GRADE
				6	0	EACH	6	604	EXIST. CATCH BASIN - TYPE "A" ADJ'D TO GRADE
				1	3	EACH	4	604	EXIST. CATCH BASIN - TYPE "B" ADJ'D TO GRADE
				1		EACH	1	604	REBUILD EXIST. TYPE "A" CATCH BASIN
				5203	6154	SQ. FT.	11,357	608	4" CONCRETE WALK
				700	850	SQ. FT.	1,550	608	6" CONCRETE WALK @ DRIVES
				2198	570	LIN. FT.	2768	609	COMBINED CONCRETE CURB & GUTTER, CITY STD.
					645	LIN. FT.	645	609	6"x18" CONCRETE CURB
						CU. YD.	1,300	653	TOP SOIL, FURNISHED & PLACED
						SQ. YD.	22,703	659	SEEDING & MULCHING
						SQ. YD.	1,574	660	SODDING
						TON	2.04	659	COMMERCIAL FERTILIZER
						LUMP	LUMP	623	CONSTRUCTION LAYOUT STAKES



TYPICAL SECTION SCALE 1" = 5"



GEN. NOTE: 1. BORROW (BANK RUN) SHALL BE USED IN AREAS OF UNSUITABLE SOIL, AT ENGINEER'S DIRECTIONS.

GENERAL NOTES:

1. ALL REFERENCE TO ITEMS APPEARING IN THESE PLANS SHALL REFER TO STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST EDITION. MASSILLON CITY STANDARD CURBS AND GUTTER, CATCH BASINS AND MANHOLES SHALL BE USED.
2. THE LOCATION OF DRIVES, ARE INDICATED TO SHOW WHERE 6" WALK IS TO BE USED, DRIVES AND APRONS BY OTHERS.
3. CENTERLINE CONTROL WILL BE FURNISHED BY THE CITY. ALL OTHER SURVEYING AND STAKING WILL BE BY CONTRACTOR UNDER ITEM 623, CONSTR. LAYOUT STAKES.
4. QUANTITIES FOR SODDING ARE CALCULATED FOR THE SOIL AREA BETWEEN THE WALK & CURB IN FRONT OF DUPLEX UNITS AND ST. PAUL'S CHURCH. SEEDING QUANTITIES ARE CALCULATED FOR ALL THE AREA WEST AND SOUTH OF THE WEST AND SOUTH CURB OF 2ND ST. S.W. AND LOTS 14227 AND 14228, SEE PROJECT AREA MAP.
5. COOPERATION: THE CONTRACTOR SHALL COOPERATE WITH THE CONTRACTOR PRESENTLY BUILDING HOUSING UNITS IN THE PROJECT AREA AS TO ACCESS TO
- (5 CONT.) SITE AND JOINING IMPROVEMENTS.
6. THE CONTRACTOR SHALL SUBMIT WITH THE BID, A SCHEDULE AS TO HOW HE PLANS TO PROCEED WITH THE MAJOR ITEMS, INCLUDING TENTATIVE DATES AS TO COMPLETION. IT IS IMPORTANT IN THAT THE HOUSING UNITS MAY BE READY FOR OCCUPANCY.
7. CURB RAMPS: SEVEN CURB RAMPS WILL BE REQUIRED, INCLUDE COST IN CONC. WALK AND CURB & GUTTER.
8. MAINTAINING TRAFFIC: TRAFFIC SHALL BE MAINTAINED ON 1ST ST. S.E. AT ALL TIMES, OAK AVE, 2ND ST. AND SOUTH AVE., MAINTAIN ACCESS TO PROPERTY.
9. CLEARING AND GRUBBING SHALL INCLUDE REMOVAL AND DISPOSING OF VARIOUS DEBRIS WITHIN LOTS 14227 AND 14228 AND STREETS TO BE IMPROVED.
10. REGRADE OPEN SPACE AREA, IN ON LOTS 14227 AND 14228, TO BE GRADED TO A CONTOUR SUITABLE FOR SEEDING, SALVAGE TOP SOIL WHERE POSSIBLE, CONCRETE OR STONE MAY BE BUILT ON SITE WHERE APPROVED BY THE ENGINEER.

FINAL SURVEY
DATE: _____
BY: _____
NO. _____

ORIGINAL SURVEY
DATE: _____
BY: _____
NO. _____

ESTIMATED QUANTITIES					
STATIONS		609	608	608	608
FROM	TO	CONC. CONC. CITY STD. L.F.	CONC. CONC. CITY STD. L.F.	CONC. CONC. CITY STD. L.F.	CONC. CONC. CITY STD. L.F.
C-1	OAK AVE. RT. 1450 TO 3179.5	235			
C-2	1ST ST. RT. 3179.5 TO 14144		356		
C-3	SOUTH AVE. RT. 14144 TO 14148	335			
C-4	1ST ST. RT. 14148 TO 14150		252		
C-5	1ST ST. RT. 14150 TO 14155		37		
W-1	1ST ST. RT. 14155 TO 14158			1020	150
W-2	1ST ST. RT. 14158 TO 14160			1885	300
W-3	SOUTH AVE. RT. 14160 TO 14165			1372	400
W-4	1ST ST. RT. 14165 TO 14170			1260	
W-5	1ST ST. RT. 14170 TO 14175			187	
W-6	1ST ST. RT. 14175 TO 14180			850	
TOTALS		570	645	6154	850

SEWERS			
STATIONS	FROM	TO	EA.
S-1	OAK AVE. RT. 1450	TO 14144	2
S-2	OAK AVE. RT. 14144	TO 14148	1
S-3	OAK AVE. RT. 14148	TO 14150	1
S-4	1ST ST. RT. 14150	TO 14155	1
S-5	SOUTH AVE. RT. 14155	TO 14160	1
S-6	SOUTH AVE. RT. 14160	TO 14165	1
S-7	1ST ST. RT. 14165	TO 14170	1
TOTALS			4

PAVING CALCULATIONS:
ITEM 404 - ASPH. CONC.
1450 TO 3179.55 OAK AVE.
LXWLT = 220.55 x 35.5 x 0.125 = 36.25
@ CURB RET. OAK & 1ST
SOUTH AVE.
0417 TO 0450.23 33.23 x 36 x 0.125 = 36.97 CY.
@ CURB RET. 1ST ST.
0450.23 TO 14148.00
CUL-DE-SAC 11.38' 260.23 x 36 = 3279.34 S.F.
@ 0450.51 TO 14105 29.06 x 24.44 = 711.68 S.F.

ITEM 402 ASPH. CONC. THICKNESS VAR. 0" TO 4" AVE. 2"
OAK AVE. 1450 TO 3179.55
SAME AS 404
SOUTH AVE. 402 SAME AS 404
0417.39 TO 0450.51 36.25
1106.43 x 12 = 145.11
0450.23 TO 0480.51 30.28 x 36 = 1090.08
5233.74 x 0.125 = 24.23 CY.
TOTAL SOUTH AVE. 31.21 CY.

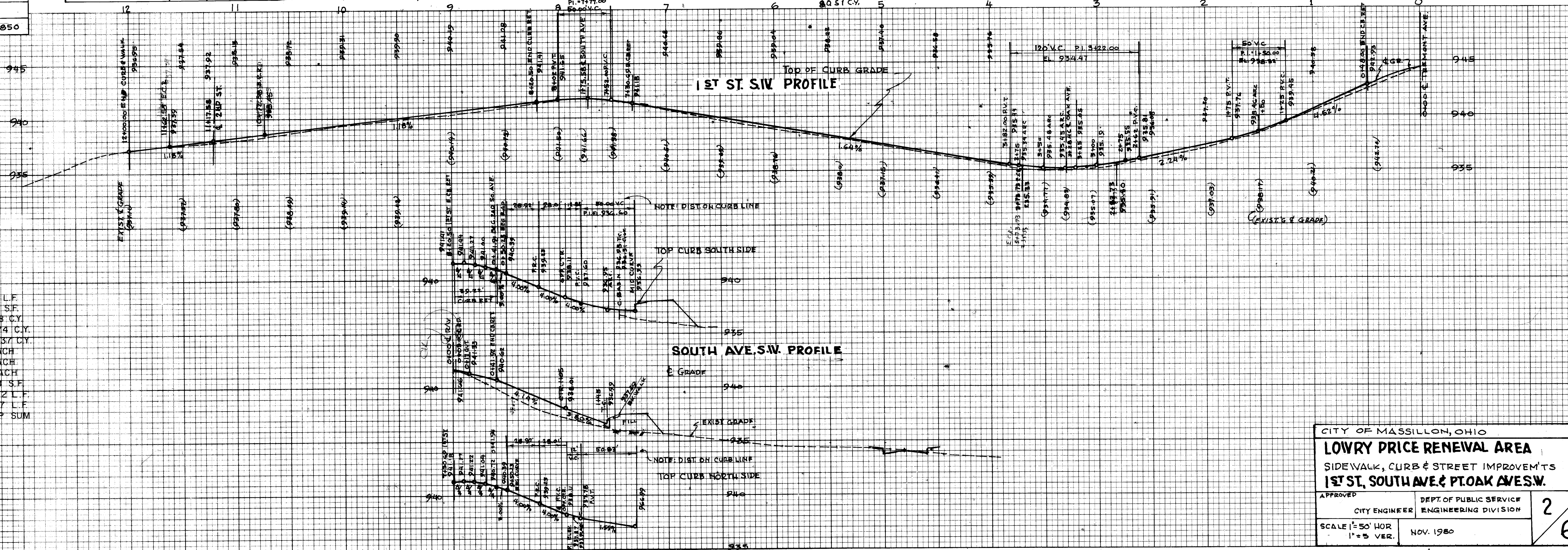
ITEM 304
SOUTH AVE.
FROM 404:
31.21 CY x 4 = 124.84 CU.YD.

REMOVALS			
STATIONS	FROM	TO	EA.
R-1	OAK AVE. RT. 1450 TO 3179.55		221
R-2	1ST ST. RT. 3179.5 TO 14144		370
R-3	SOUTH AVE. RT. 14144 TO 14148		336
R-4	1ST ST. RT. 14148 TO 14150		312
TOTALS			1239

REVISIONS:

EX. CURB - REMOVE
EX. WALK - REMOVE
AGGREGATE BASE
ASPHALT CONCRETE 402
ASPHALT CONCRETE 404
EX. M.F. - ADJ. TO GRADE
EX. C. BASIN - ADJ. TO GRADE "A"
EX. C. BASIN - ADJ. TO GRADE "B"
4" CONCRETE WALK
COMB. CONC. C. & G. - CITY STD.
6" x 18" CONCRETE CURB
CONSTRUCTION STAKES

880 L.F.
250 S.F.
61.68 CY.
17,274 CY.
110,637 CY.
4 EACH
1 EACH
2 EACH
2108 S.F.
380.2 L.F.
634.7 L.F.
LUMP SUM



CITY OF MASSILLON, OHIO
LOWRY PRICE RENEWAL AREA
SIDEWALK, CURB & STREET IMPROVEMENTS
1ST ST. SOUTH AVE. & P.O. OAK AVES. S.W.

APPROVED: _____
CITY ENGINEER
DEPT. OF PUBLIC SERVICE
ENGINEERING DIVISION

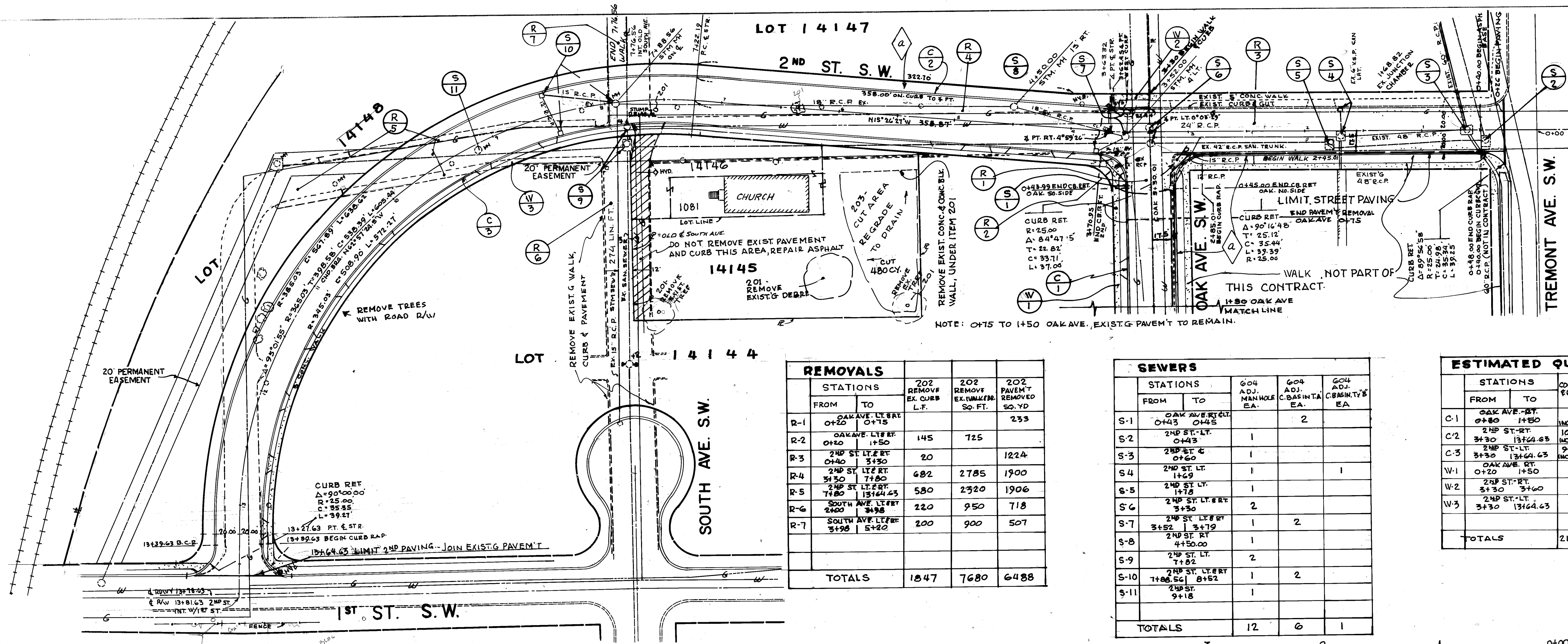
SCALE: 1" = 50' HOR.
1" = 5' VER.

NOV. 1980

2
6

FINAL SURVEY
DATE
BY
SHEET NO.
NO. OF SHEETS
NOTES
CHECKED

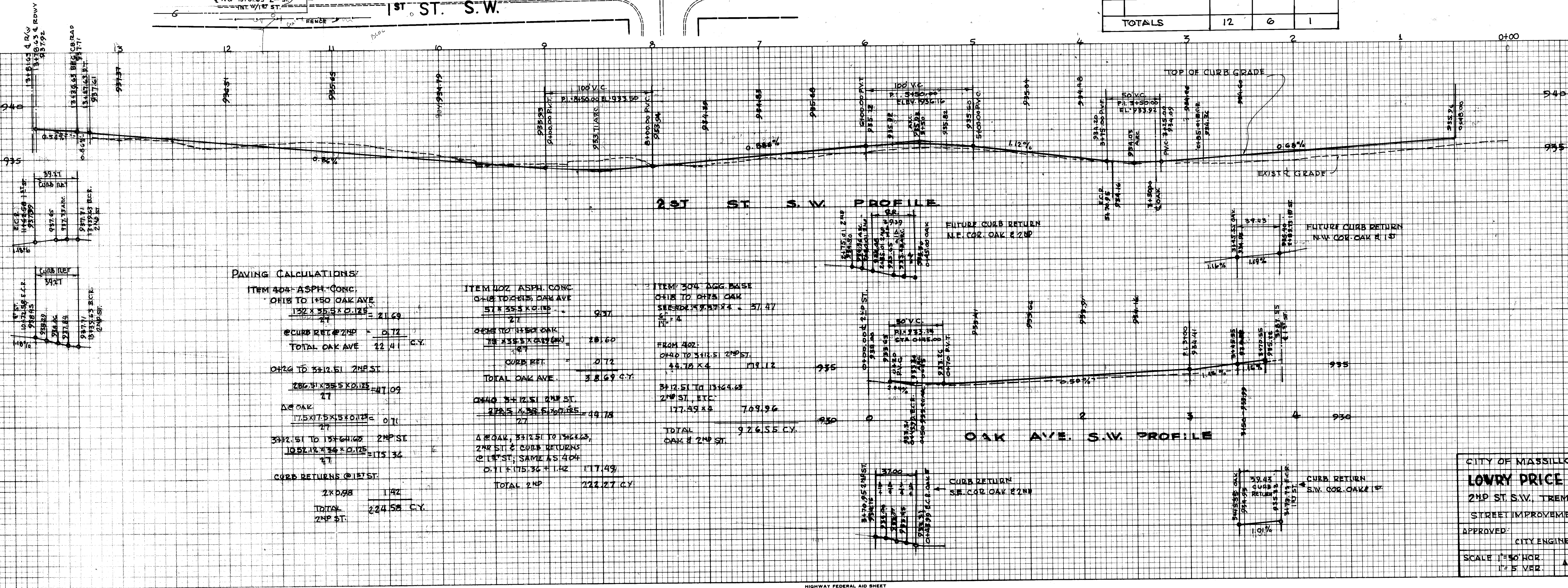
ORIGINAL SURVEY
DATE
BY
SHEET NO.
NO. OF SHEETS
NOTES
CHECKED



REMOVALS		STATIONS			202 REMOVED		
FROM	TO	STATION	TO	STATION	EX. CONC.	EX. ASPH.	PAVEMENT
R-1	OAK AVE. L.T. RT.	0+43	0+45				233
R-2	OAK AVE. L.T. RT.	0+40	1+50		145	725	
R-3	2ND ST. L.T. RT.	0+40	3+30		20		1224
R-4	2ND ST. L.T. RT.	3+30	1+50		682	2785	1900
R-5	2ND ST. L.T. RT.	1+50	13+44.43		580	2320	1906
R-6	SOUTH AVE. L.T. RT.	2+00	3+30		220	950	718
R-7	SOUTH AVE. L.T. RT.	3+30	5+20		200	900	507
TOTALS					1847	7680	6488

SEWERS		STATIONS			604 ADJ.		
FROM	TO	STATION	TO	STATION	MANHOLE	ADJ. MANHOLE	ADJ. MANHOLE
S-1	OAK AVE. RT.	0+43	0+45				2
S-2	2ND ST. L.T.	0+43			1		
S-3	2ND ST. L.T.	0+40			1		
S-4	2ND ST. L.T.	1+49			1		1
S-5	2ND ST. L.T.	1+18			1		
S-6	2ND ST. L.T. RT.	3+30			2		
S-7	2ND ST. L.T. RT.	3+52	3+59		1	2	
S-8	2ND ST. RT.	4+50.00			1		
S-9	2ND ST. L.T.	7+80			2		
S-10	2ND ST. L.T. RT.	11+05.50	8+52		1	2	
S-11	2ND ST.	9+18			1		
TOTALS					12	6	1

ESTIMATED QUANTITIES		STATIONS			609 CONCRETE		
FROM	TO	STATION	TO	STATION	CONCRETE	605 CONC. WALK	605 CONC. WALK
C-1	OAK AVE. RT.	0+40	1+50		143.01		
C-2	2ND ST. RT.	3+30	13+44.43		1080.33		
C-3	2ND ST. L.T.	3+30	13+44.43		974.78		
W-1	OAK AVE. RT.	0+40	1+50			859	50
W-2	2ND ST. RT.	3+30	13+44.43			185	
W-3	2ND ST. L.T.	3+30	13+44.43			4159	650
TOTALS					2198.12	5203	700



PAVING CALCULATIONS:

ITEM 404 ASPH. CONC.

0+43 TO 1+50 OAK AVE

132' x 35.5' x 0.18' = 21.49

@ CURB RET. @ 2ND = 0.72

TOTAL OAK AVE 22.41 C.Y.

0+40 TO 3+30 2ND ST.

286.3' x 35.5' x 0.18' = 47.09

@ OAK 3+30 TO 1+50 = 0.71

TOTAL 2ND ST. 48.80 C.Y.

3+30 TO 13+44.43 2ND ST.

1052.12' x 35.5' x 0.18' = 175.34

@ 1ST ST. SAME AS 404

0.71 x 175.34 = 124.49

TOTAL 2ND ST. 224.59 C.Y.

2ND ST.

224.59 C.Y.

2ND ST.

224.59 C.Y.

2ND ST.

224.59 C.Y.

2ND ST.

224.59 C.Y.

2ND ST.

224.59 C.Y.

2ND ST.

224.59 C.Y.

ITEM 402 ASPH. CONC.

0+43 TO 1+50 OAK AVE

51' x 35.5' x 0.18' = 9.37

@ CURB RET. @ 2ND = 0.72

TOTAL OAK AVE 10.09 C.Y.

0+40 TO 3+30 2ND ST.

286.3' x 35.5' x 0.18' = 47.09

@ OAK 3+30 TO 1+50 = 0.71

TOTAL 2ND ST. 48.80 C.Y.

3+30 TO 13+44.43 2ND ST.

1052.12' x 35.5' x 0.18' = 175.34

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TOTAL 2ND ST. 224.59 C.Y.

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224.59 C.Y.

2ND ST.

224.59 C.Y.

2ND ST.

224.59 C.Y.

2ND ST.

224.59 C.Y.

ITEM 304 AGG. BASE

0+43 TO 1+50 OAK AVE

51' x 35.5' x 0.18' = 9.37

@ CURB RET. @ 2ND = 0.72

TOTAL OAK AVE 10.09 C.Y.

0+40 TO 3+30 2ND ST.

286.3' x 35.5' x 0.18' = 47.09

@ OAK 3+30 TO 1+50 = 0.71

TOTAL 2ND ST. 48.80 C.Y.

3+30 TO 13+44.43 2ND ST.

1052.12' x 35.5' x 0.18' = 175.34

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2ND ST.

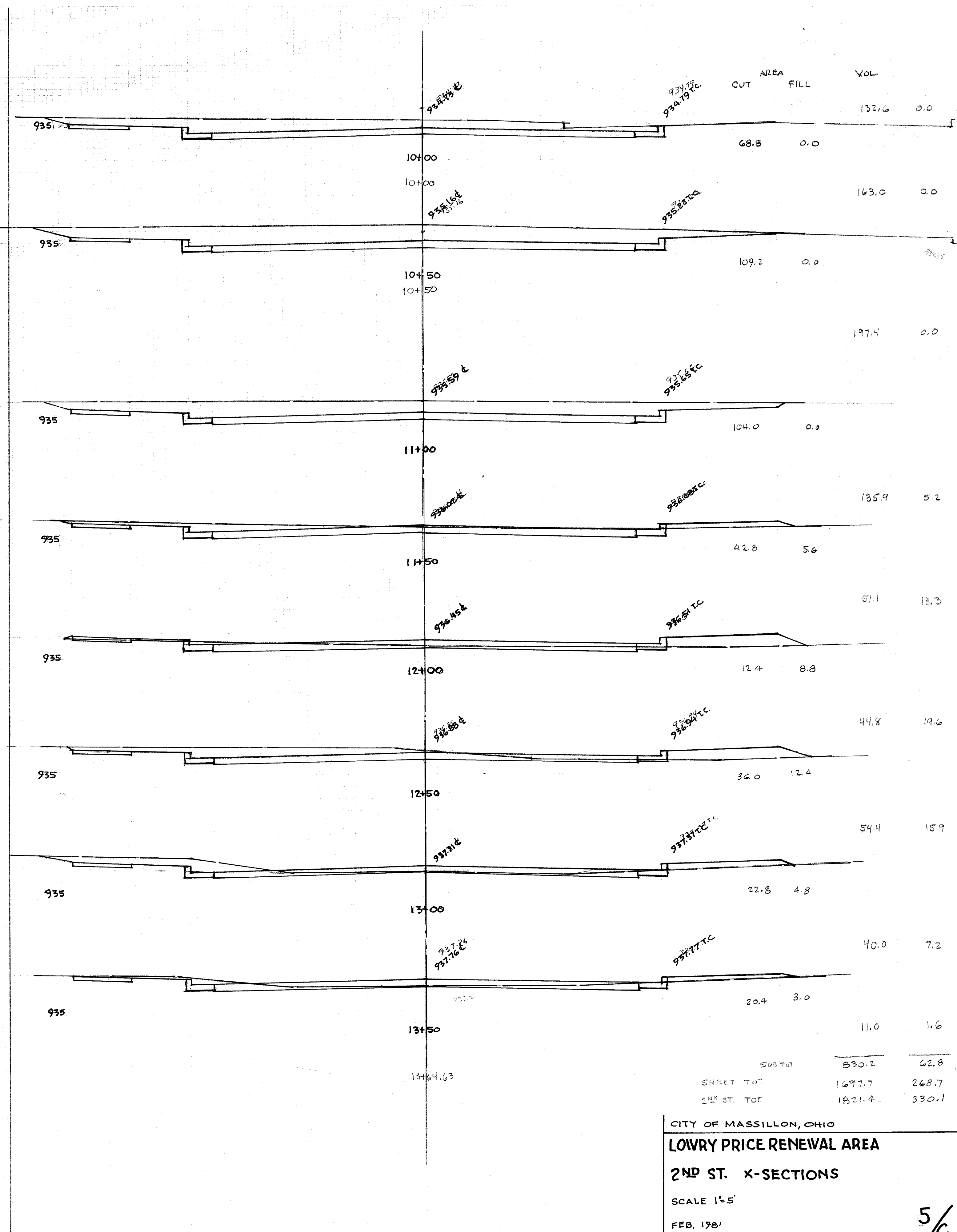
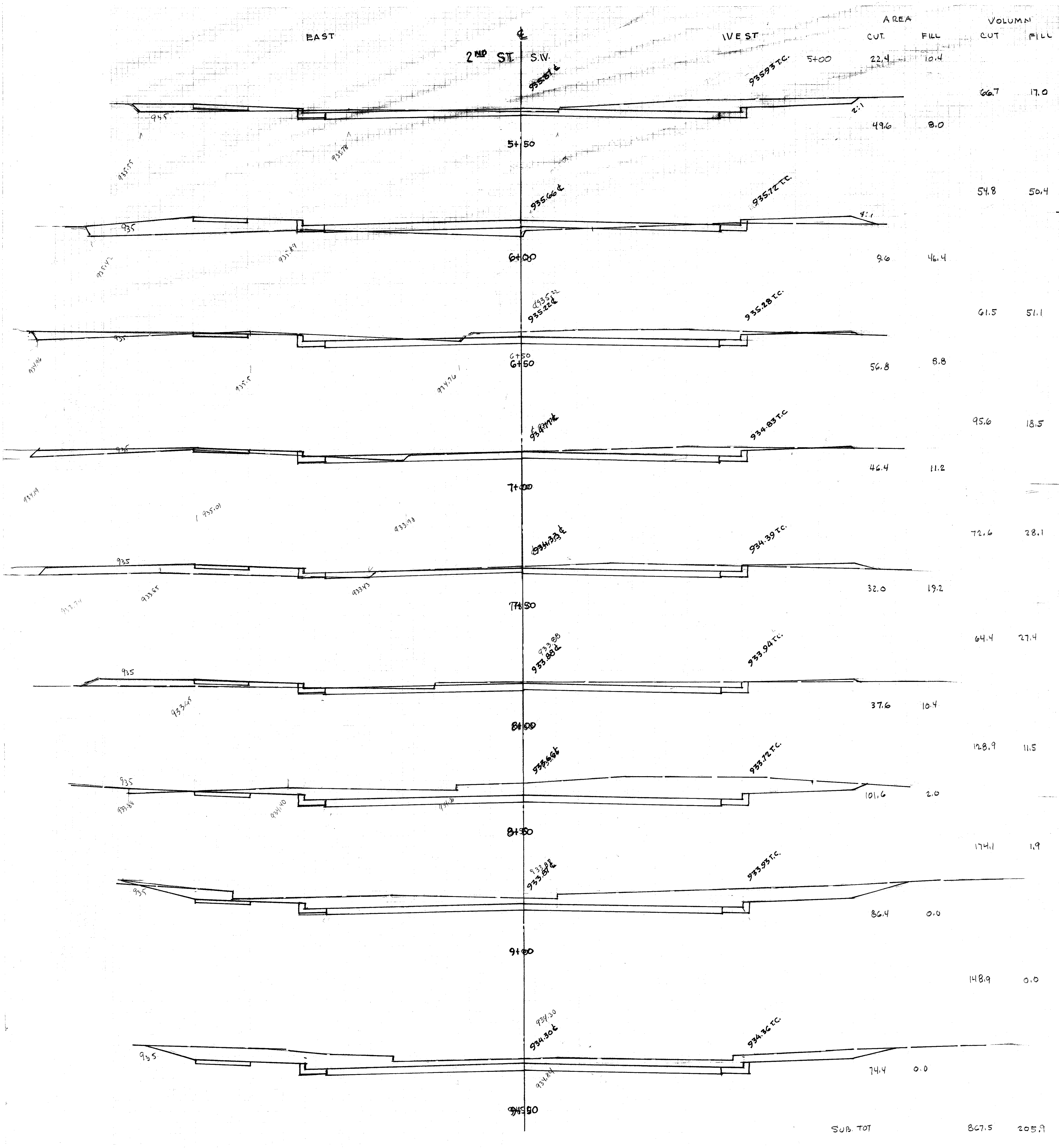
224.59 C.Y.

2ND ST.

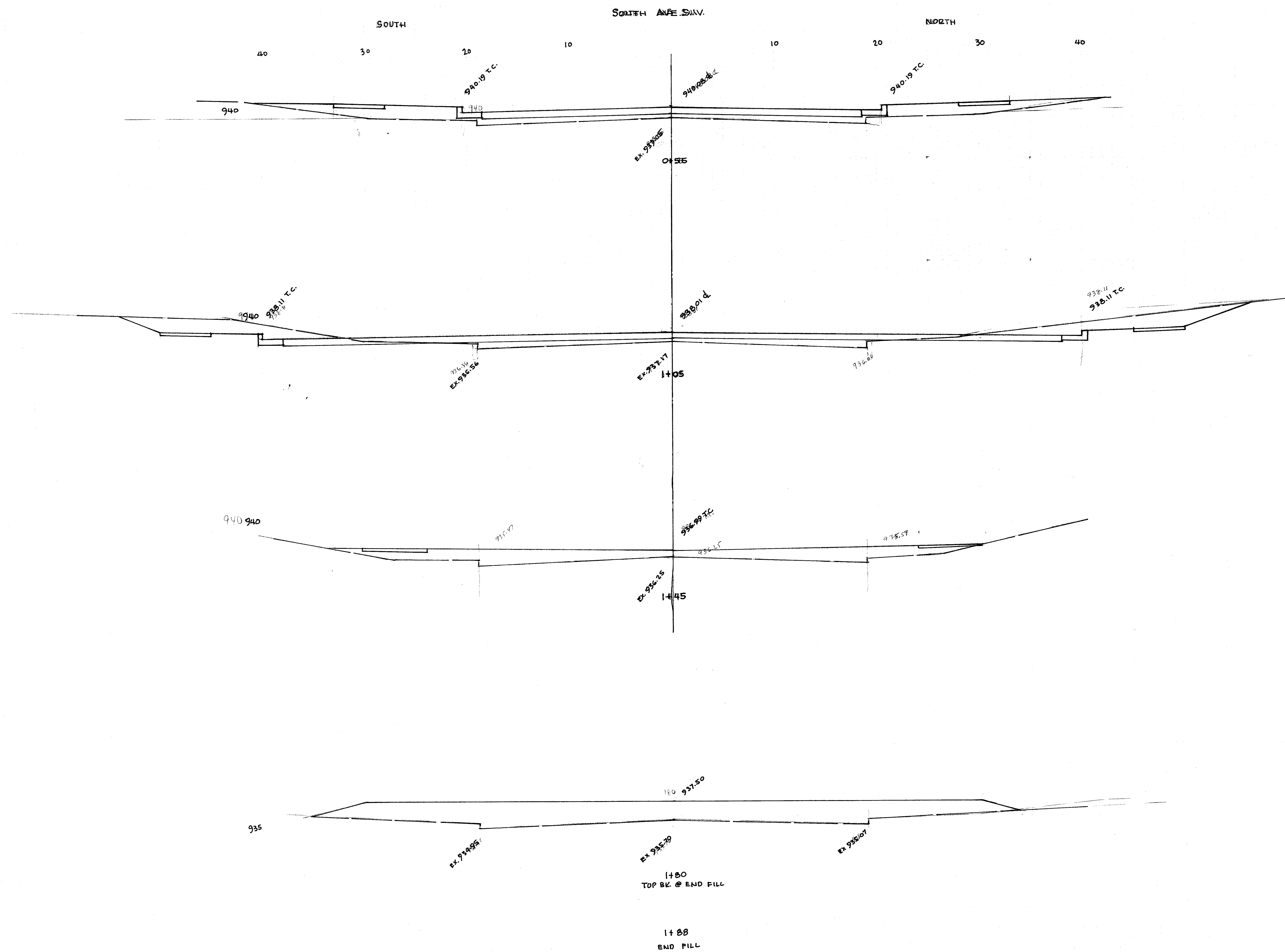
224.59 C.Y.

2ND ST.

224.59 C.Y.



CITY OF MASSILLON, OHIO
 LOWRY PRICE RENEWAL AREA
 2ND ST. X-SECTIONS
 SCALE 1"=5'
 FEB. 1981



	AREA		VOL.	
	CUT	FILL	CUT	FILL
0+17	0.0	0.0		
0+55	0.0	6088	0.0	42.79
			65.19	88.15
	70.4	34.4		
			52.15	83.56
	0.00	78.4		
			0.00	129.62
	0.00	121.46		
			0.0	18.01
	0.00	0.00		
TOTALS			117.24 CY.	362.13 CY.

CITY OF MASSILLON, OHIO
LOWRY PRICE RENEWAL AREA
SOUTH AVE X-SECTIONS
 SCALE 1"=5'
 FEB. 1981