

CITY OF MASSILLON, OHIO

PAVING & RESURFACING PLANS

RESURFACING – 8TH ST. N.E. , 11TH ST. N.E. , 3RD ST. N.E. , 16TH ST. N.E. , PHILLIPS RD. N.E. , 6TH ST. S.E.
WALLACE AVE. S.E. , 5TH ST. S.E. , MAPLE AVE. S.E. , WOODLAND AVE. S.E. , 9TH ST. S.W.
GROSVENOR ST. N.W. , CHERRY RD. N.W. , ARAPAHOE & MOHICAN AVE. S.E.

PAVING – 19TH ST. N.E. , MAIN AVE. WEST

GENERAL NOTES

ALL CONSTRUCTION TO BE CITY OF MASSILLON SPECIFICATIONS AND STANDARDS, AND THE LATEST ADDITION OF THE STATE OF OHIO, DEPT. OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS.
A PRE CONSTRUCTION MEETING SHALL BE HELD WITH THE CONTRACTOR, SUB-CONTRACTORS, CITY ENGINEER E.E.O. OFFICER.
THE E.E.O. OFFICER SHALL RECEIVE THE REQUIRED WEEKLY AND MONTHLY REPORTS ON THIS PROJECT.
WHEN CONFLICTS ARISE OVER THE INTERPRETATION OF NOTES AND DETAILS IN THE DRAWINGS, THE DRAWINGS TAKE PREFERENCE OVER GENERAL PROVISIONS AND SPECIFICATIONS THAT APPEAR IN THE CONTRACT.
THE CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL ON ALL STREETS PER ITEM 614, MAINTAINING TRAFFIC AT ALL TIMES, HE SHALL POST STREETS FOR NO PARKING THE DAY BEFORE PAVING IS BEGUN.
ALL CONSTRUCTION PAVING AND RESURFACING SHALL BE COMPLETED BEFORE NOV. 1ST. UNLESS ORDERED BY THE CITY.
THE CITY RESERVE THE RIGHT TO DELETE SOME OF THE STREETS IN THIS PROJECT, IF THE PROJECT EXCEEDS THE CAPITAL, THE CITY HAVE ON HAND.
THE CONTRACTOR MAY USE ADJUSTING RINGS, BUT TYPE MUST BE APPROVED BY THE ENGINEER.

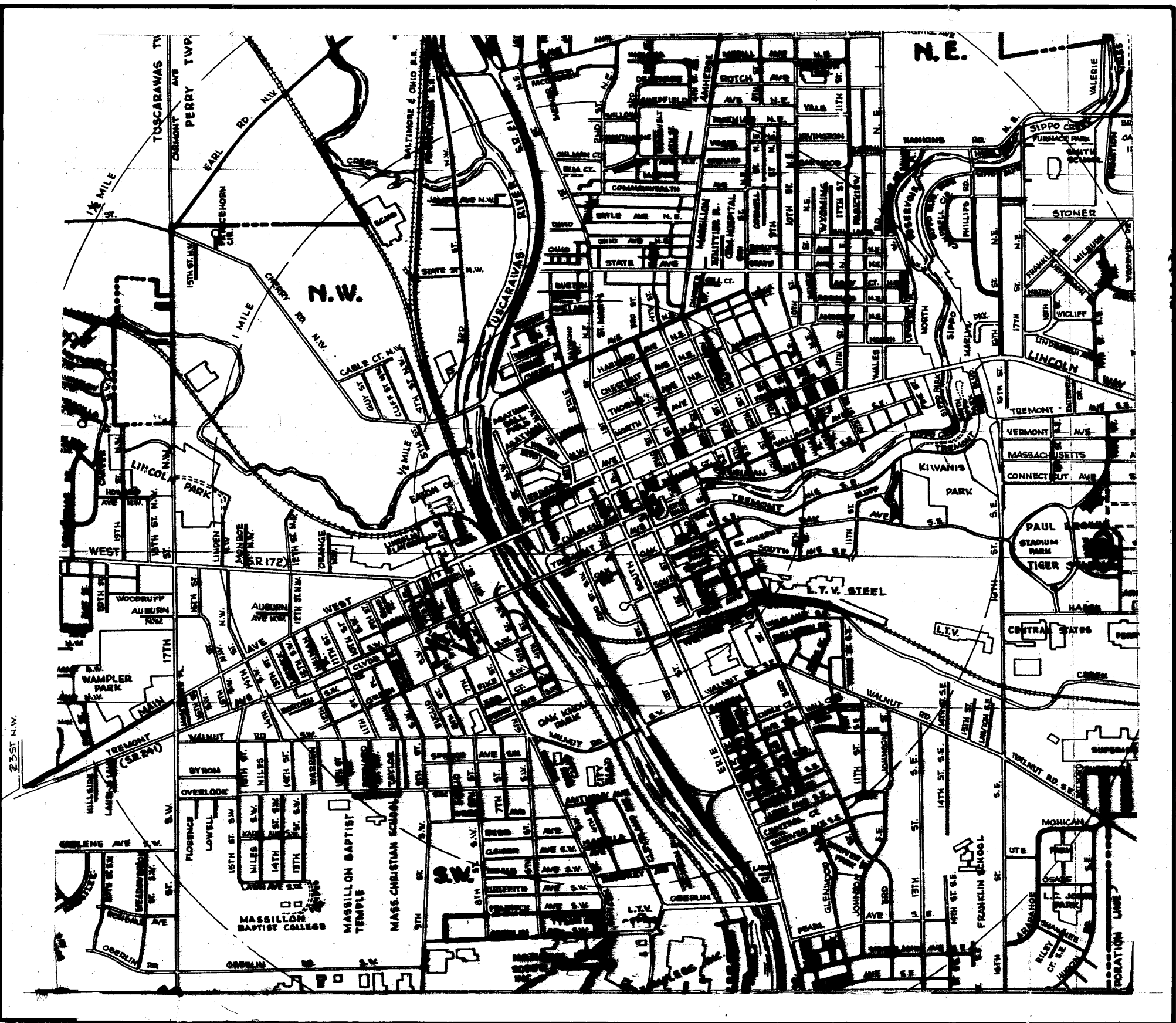
ITEM SPECIAL- PAVEMENT PLANING

BITUMINOUS WITHOUT HEATING THE CONTRACTOR SHALL PLANE OFF EXISTING ASPHALT SURFACE, AS SHOWN ON THE TYPICAL SECTIONS TO THE LIMITS SHOWN ON THE PLANS.
THE PLANNER USED SHALL BE CAPABLE OF PLANING DIRECTLY ADJACENT TO A CURB. THE CONTRACTOR SHALL USE REASONABLE CARE TO NOT DAMAGE EXISTING CURBING. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ANY CURBING DAMAGE AS A RESULT OF THIS WORK AT HIS EXPENSE, TO KEEP THE WORK AREAS CLEAR OF DEBRIS AND GRINDINGS. TO MAKE THE PLANE SURFACE AVAILABLE TO TRAFFIC AS SOON AS POSSIBLE AFTER PLANING OPERATIONS ARE COMPLETE AND TO CLEAN ALL PAVEMENT SURFACES IMMEDIATELY PRIOR TO RESURFACING. THE ASPHALT MATERIAL THAT IS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH SECTION 203.05.
PAYMENT FOR THIS WORK WILL BE MADE AT UNIT PRICE BID PER SQUARE YARD OF ITEM SPECIAL- PAVEMENT PLANING AND SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING ALL MATERIALS AND EQUIPMENT NECESSARY TO PLANE THE EXISTING PAVEMENTS AS SHOWN ON THE PLANS.

SHEETS INDEX OF STREETS

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13	GROSVENOR ST. N.W.	7-R
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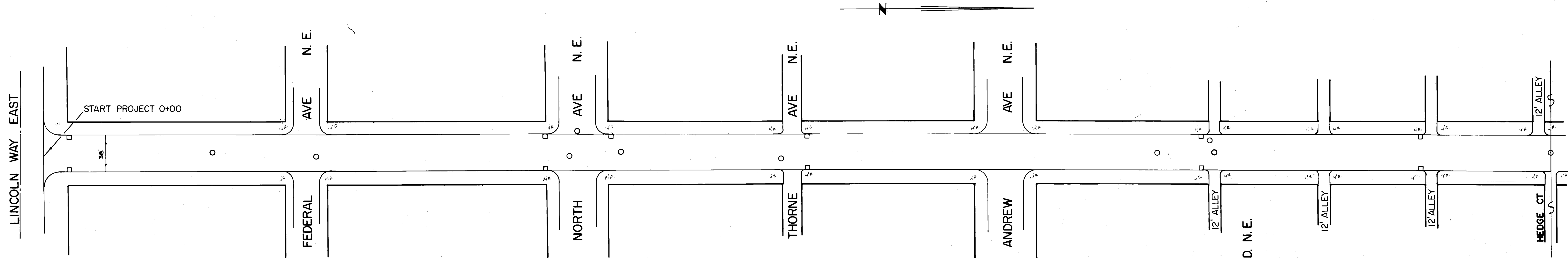
SITE MAP



0 1500 3000
SCALE 1" = 1500'
PLANS, 1" = 50'

MAYOR _____ FRANCIS H. CICCHINELLI JR.
SAFETY SERVICE DIR. BILL H. HAMIT
CITY ENGINEER _____ ROBERT WAGONER

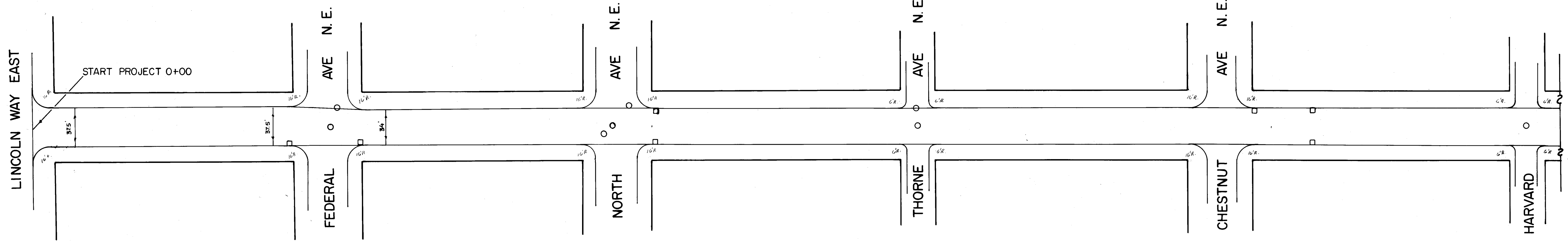
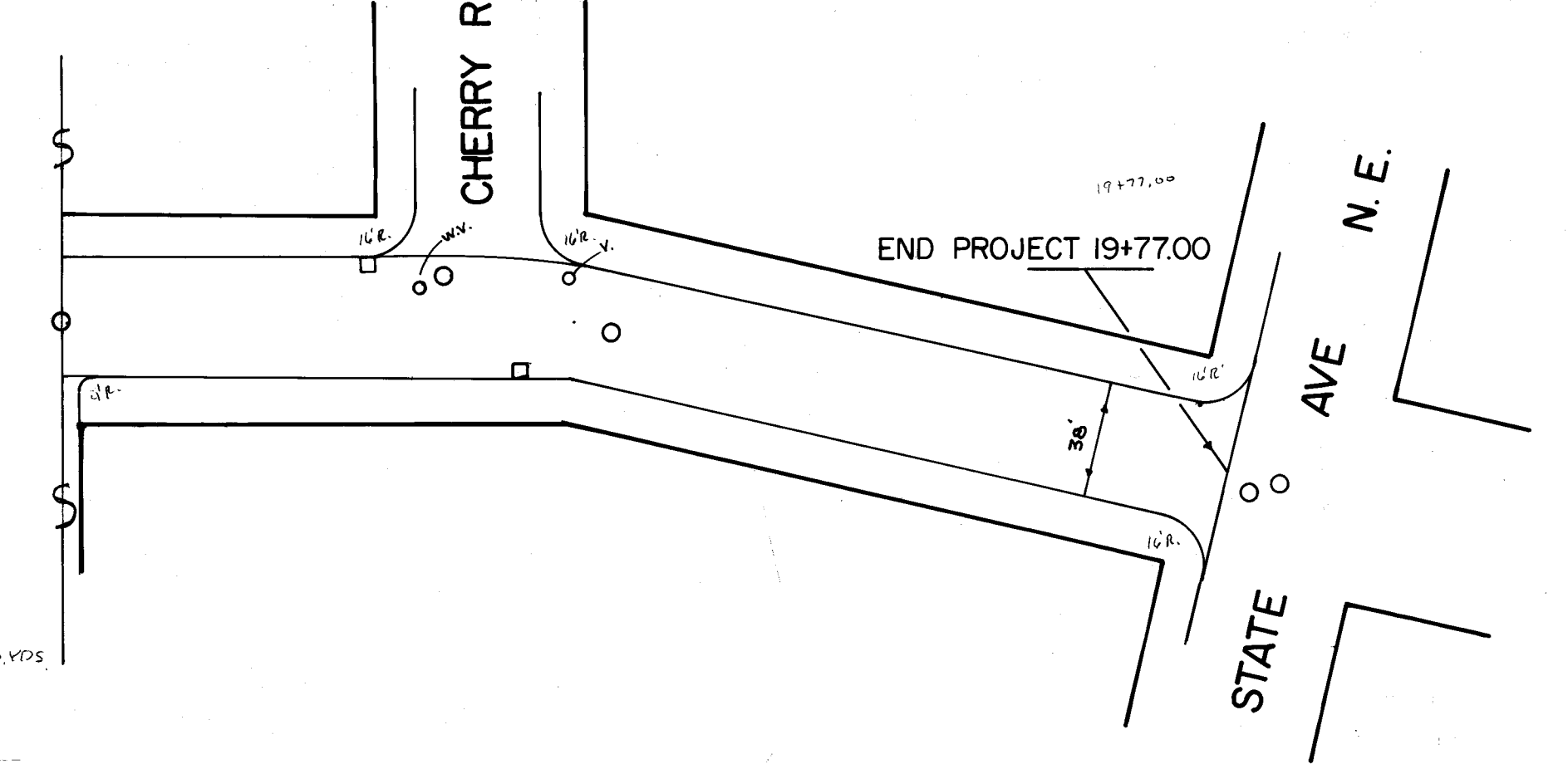
PREPARED BY RON MCPHERSON
MASSILLON CITY ENGINEERING DEPARTMENT



8TH ST. N. E.

8TH ST. N.E. - ESTIMATED QUANTITIES					
		604 ADJUST MHS EA.	604 ADJUST C. BASIN EA.		
TOTAL		11	13		

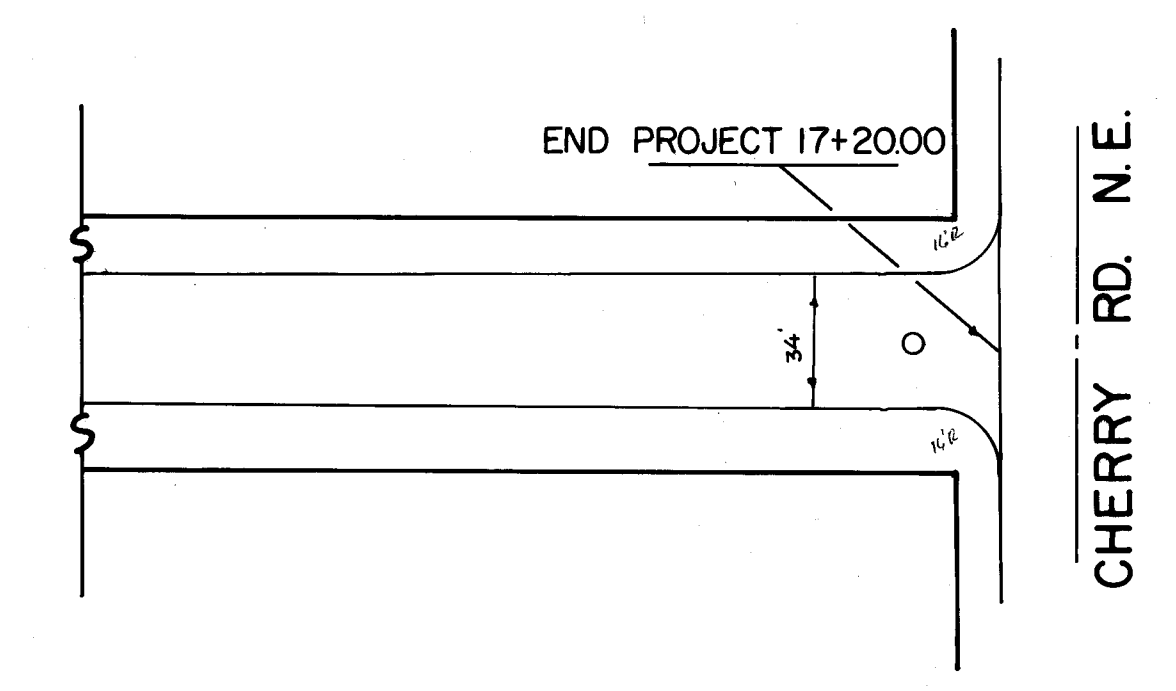
CALCULATIONS:
 0+00 TO 19+77 = 1,977 FT.
 1,977 X 38 = 75,126 SQ.FT.
 16' RAD. = 440 SQ.FT.
 TOTAL = 75,566 SQ.FT.
 $75,566 \times .1250 = 9,445.75$ CU.YDS.
 PAVEMENT PLANING FULL WIDTH 1 1/2' = 8,396 SQ.YDS.



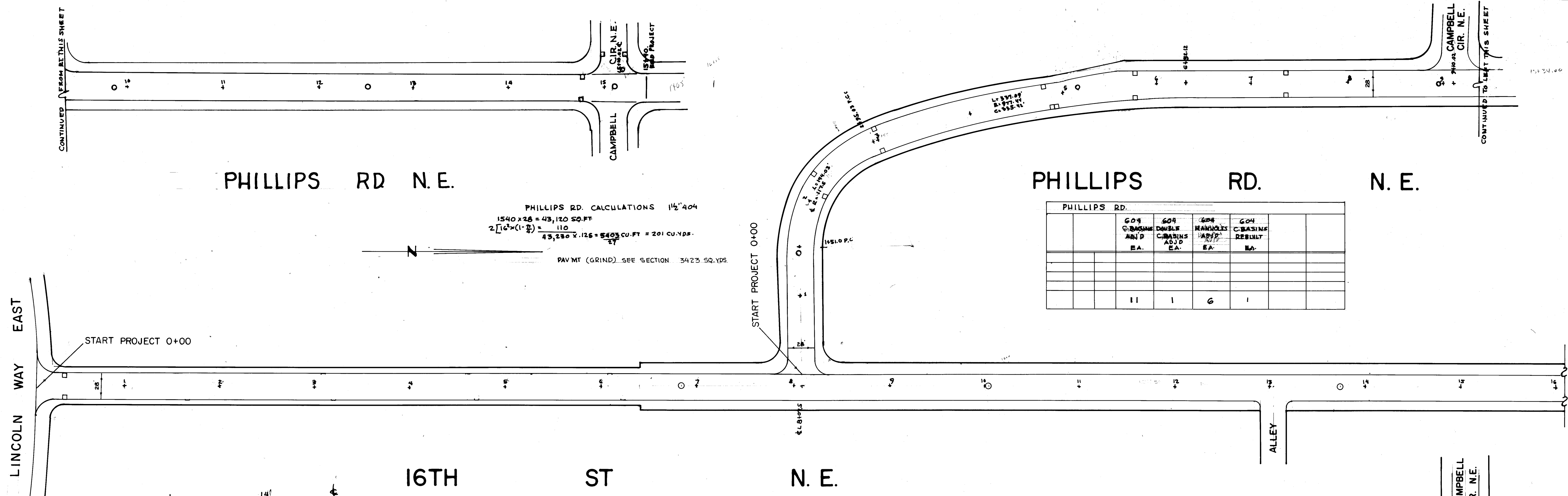
3RD ST. N. E.

3RD ST. N.E. - ESTIMATED QUANTITIES					
		604 ADJUST MHS EA.	604 ADJUST C. BASIN EA.		
TOTAL		6	7		

CALCULATIONS:
 0+00 TO 17+20 = 1,720 FT.
 LIN. WAY TO FEDERAL = 320 X 37.5 = 12,000 SQ.FT.
 1400 X 34 = 47,600 SQ.FT.
 16' RAD. = 440 SQ.FT.
 TOTAL = 60,040 SQ.FT.
 $60,040 \times .1250 = 7,505$ CU.YDS.
 PAVEMENT PLANING FULL WIDTH 1 1/2' = 6,671 SQ.YDS.



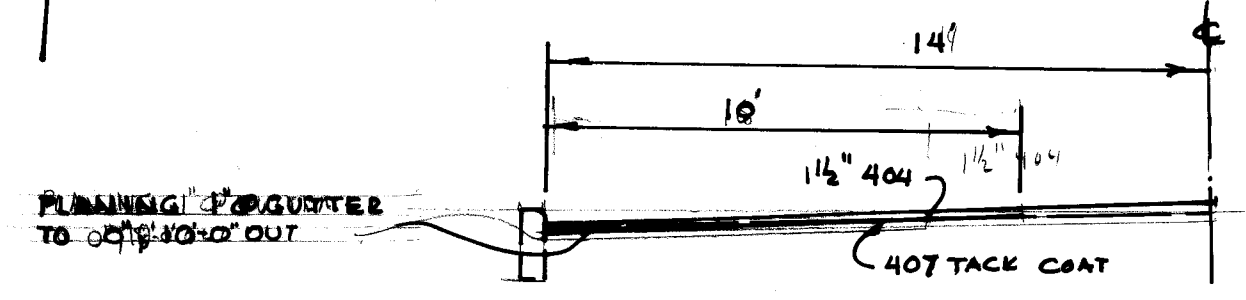
CITY OF MASSILLON, OHIO			
RESURFACING			
8TH ST. N.E. & 3RD ST. N.E.			
DR BY RONNIE MCPHERSON		DEPT. OF PUBLIC SERVICE	
CITY ENG. ROBERT WAGONER		ENGINEERING DIVISION	
SCALE 1" = 50'	DATE 7-5-89	2 R	



PHILLIPS RD. CALCULATIONS 1 1/2" 404
 $1540 \times 28 = 43,120 \text{ SQ. FT.}$
 $2 \left[\frac{1}{2} \times (1 - \frac{1}{2}) \right] = 110$
 $43,230 \times .125 = 5403 \text{ CU. FT.} = 201 \text{ CU. YDS.}$
 PAV. MT (GRIND) SEE SECTION 3423 SQ. YDS.

PHILLIPS RD.

	604 C-BASINS ADJD EA.	604 DOUBLE C-BASINS ADJD EA.	604 MANHOLES ADJD EA.	604 C-BASINS REBUILT EA.	
	11	1	6	1	

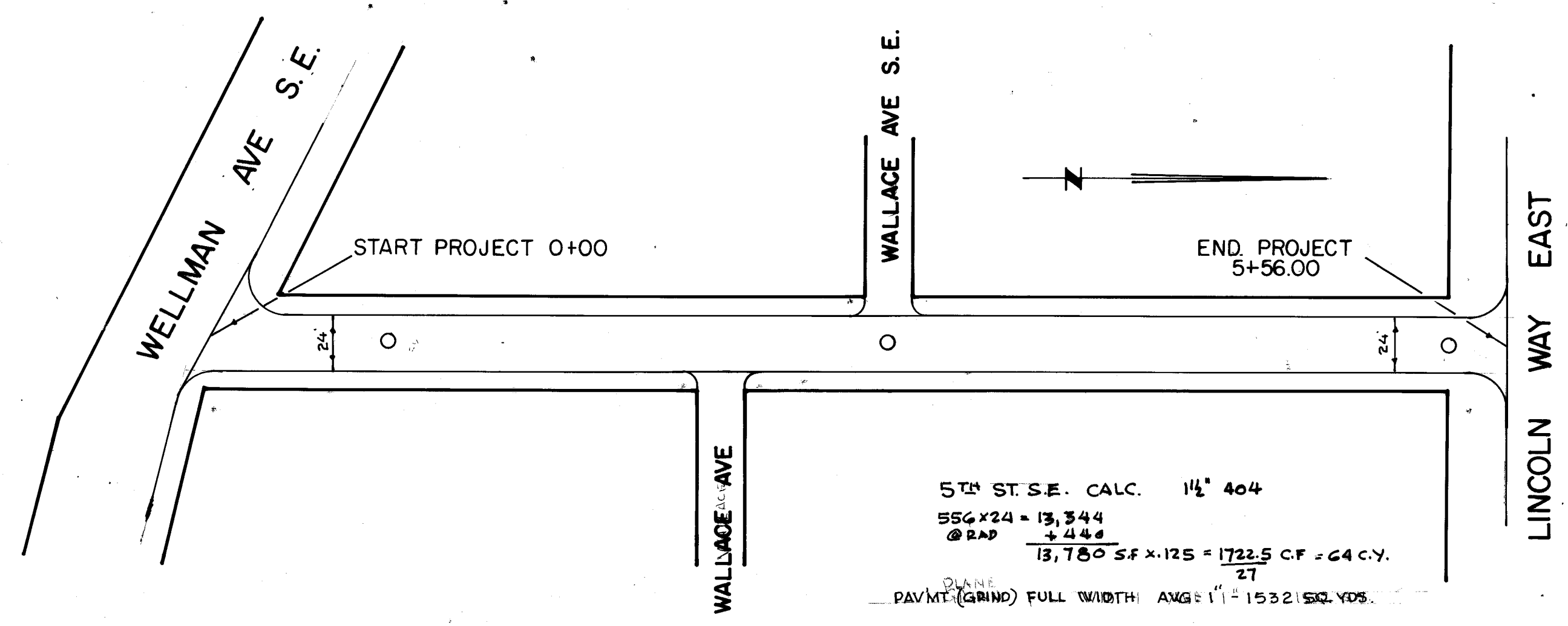


SECTION 16TH ST. & PHILLIPS RD N.E.
 SCALE 1"=4"

16TH ST. N.E. CALCULATIONS 1 1/2" 404
 $2826 \times 28 = 79,142 \text{ S.F.}$
 $\text{@ } 1/2" = 110$
 $79,252 \text{ S.F.} \times .125 = 9906 \text{ C.F.} = 377 \text{ CU. YDS.}$
 PAV. MT (GRIND) SEE SECTION - 4722 SQ. YDS.

16TH ST. N.E.

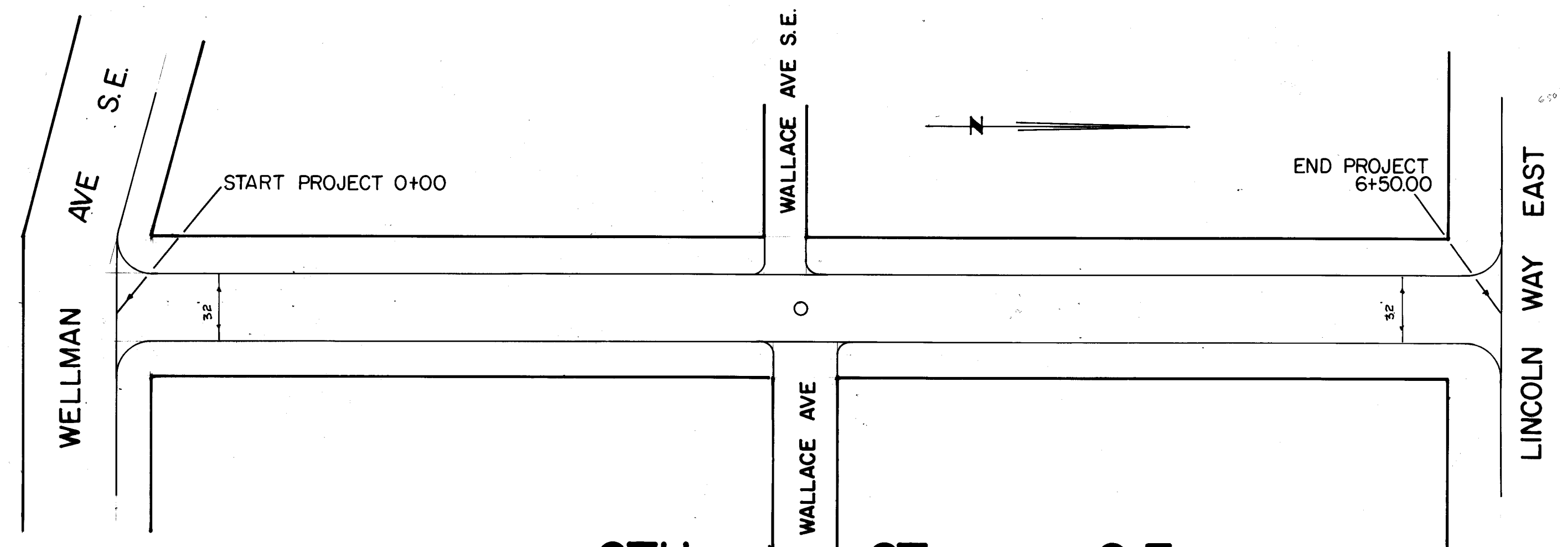
	604 C-BASINS ADJD EA.	604 DOUBLE C-BASINS ADJD EA.	604 C-BASINS REBUILT EA.	604 MANHOLES ADJD EA.	
	3	1	1	6	



5TH ST. S.E. CALC. 1 1/2" 404
 $556 \times 24 = 13,344$
 $\text{@ } 1/2" = 444$
 $13,788 \text{ S.F.} \times .125 = 1723 \text{ C.F.} = 64 \text{ C.Y.}$
 PAV. MT (GRIND) FULL WIDTH: AVG. 1" = 1532 SQ. YDS.

5TH ST. & 6TH ST. S.E.

	604 MANHOLES ADJD EA.			
	4			



6TH ST. S.E. CALC. 1 1/2" 404
 $650 \times 32 = 20,800$
 $\text{@ } 1/2" = 440$
 $21,240 \times .125 = 2655 \text{ C.F.} = 99 \text{ C.Y.}$
 PAV. MT PLANING FULL WIDTH 1" @ GUT, 1" @ CROWN = 2360 SQ. YDS.

CITY OF MASSILLON, OHIO

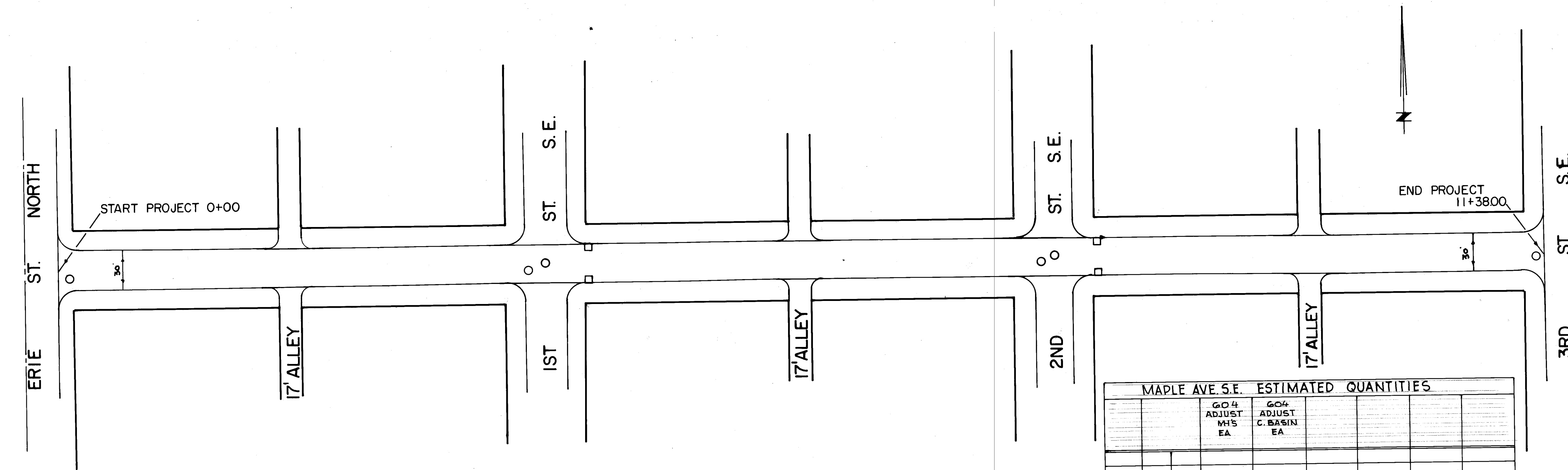
RESURFACING

PHILLIPS RD N.E., 16TH ST N.E., 5TH ST. S.E.
 6TH ST. S.E.

DR BY RONNIE MCPHERSON DEPT. OF PUBLIC SERVICE
 CITY ENG. ROBERT WAGONER ENGINEERING DIVISION

SCALE 1"= 50' DATE 7/89

FILE NO. P-326 ACC NO 3084

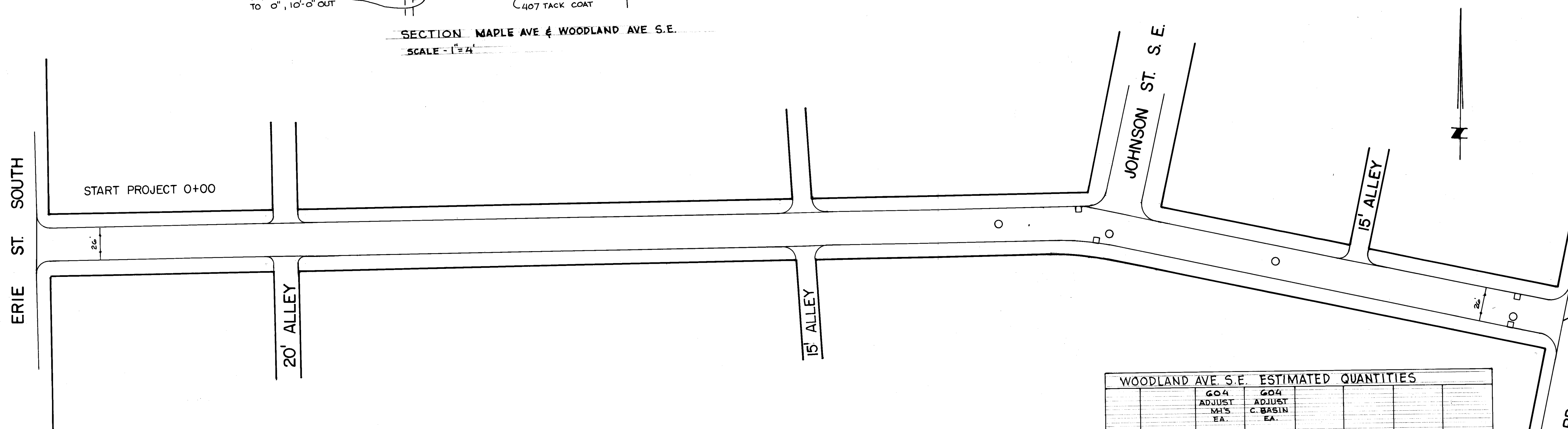
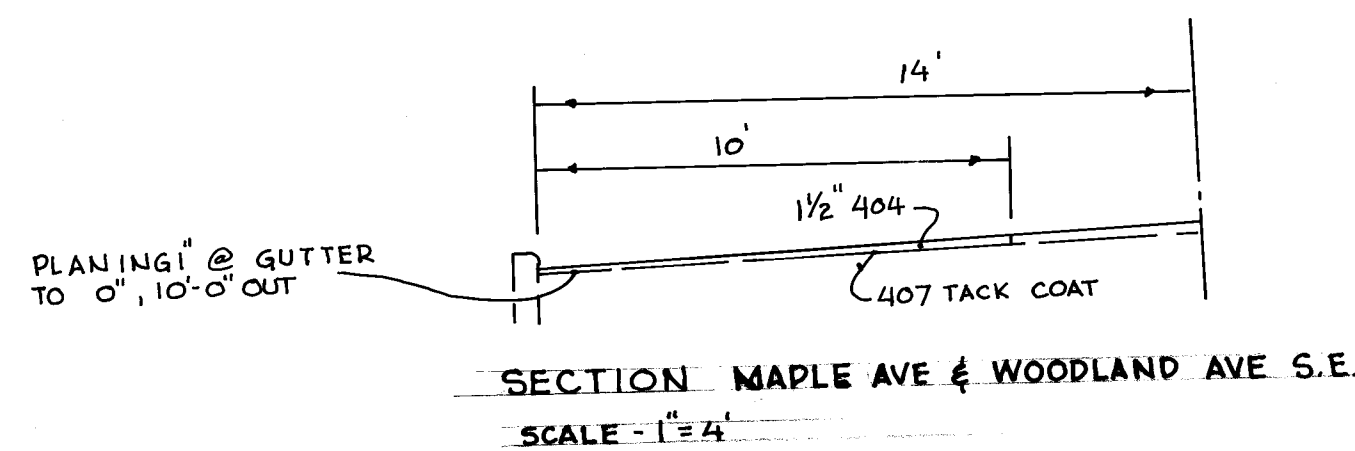


MAPLE AVE S.E.

MAPLE AVE S.E. ESTIMATED QUANTITIES						
	GO 4 ADJUST M'S EA	GO 4 ADJUST C. BASIN EA				
TOTAL	6	4				

CALCULATIONS: $1\frac{1}{2}$ "-404
 0+00 TO 11+38 = 1,138 FT.
 1138×30 = 34,140 SQ. FT.
 RAD. = 440 SQ. FT.
 TOTAL = 34,580 SQ. FT.

$34,580 \times .1250$ = 4322.5 CU. YDS.
 PAVEMENT (GRIND) SEE SECTION - 3842 SQ. YDS.



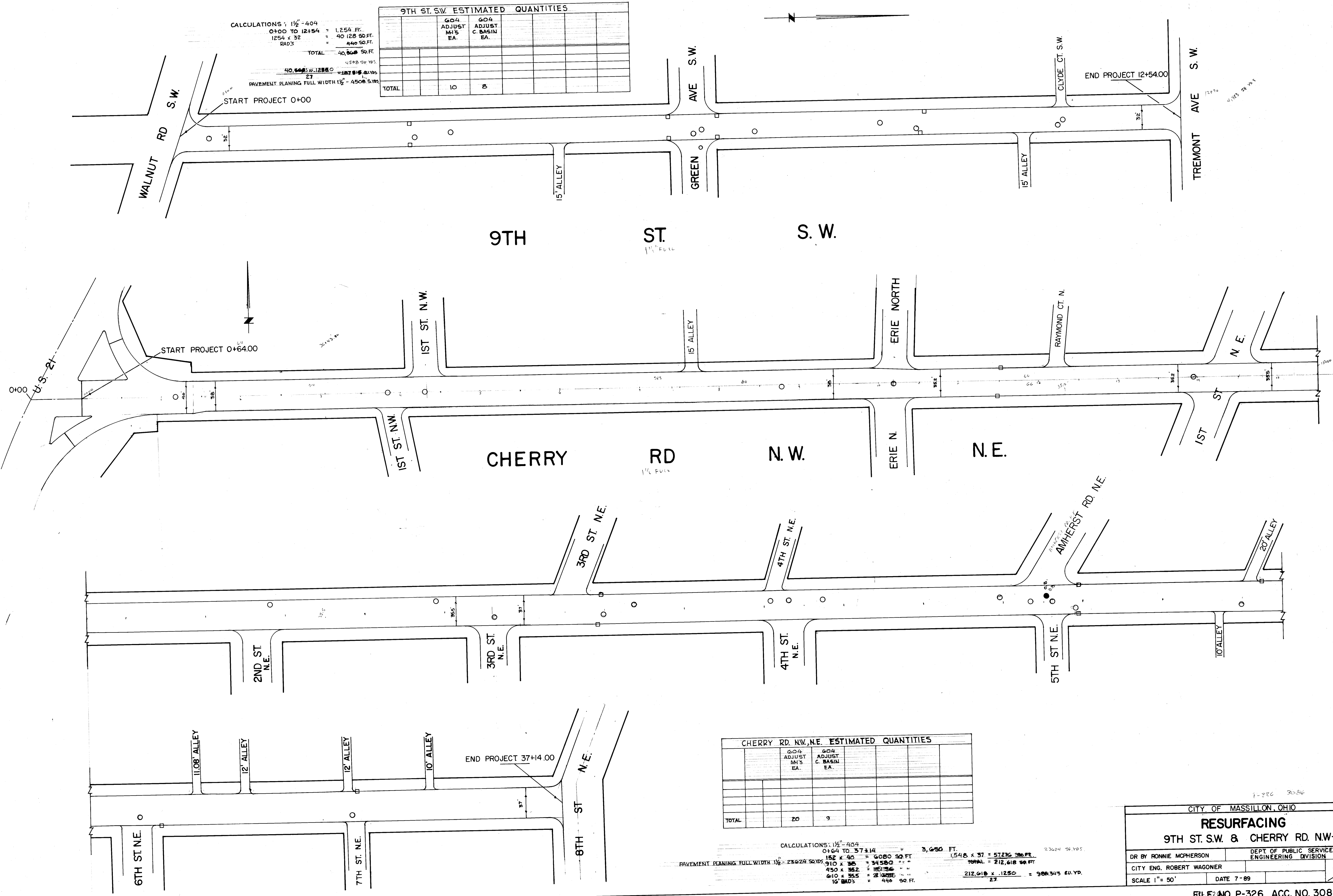
WOODLAND AVE S.E.

WOODLAND AVE S.E. ESTIMATED QUANTITIES						
	GO 4 ADJUST M'S EA	GO 4 ADJUST C. BASIN EA				
TOTAL	4	4				

CALCULATIONS: $1\frac{1}{2}$ "-404
 0+00 TO 11+53 = 1,153 FT.
 1153×20 = 23,060 SQ. FT.
 RAD. = 440 SQ. FT.
 TOTAL = 23,500 SQ. FT.

$23,500 \times .125$ = 2937.5 CU. YDS.
 PAVEMENT (GRIND) SEE SECTION - 3379 SQ. YDS.

CITY OF MASSILLON, OHIO			
RESURFACING			
MAPLE AVE S.E. & WOODLAND AVE S.E.			
DR BY RONNIE MCPHERSON	DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION		
CITY ENG. ROBERT WAGONER			
SCALE 1" = 50'	DATE 7-89	5 R	



CALCULATIONS: $1\frac{1}{2} \times 404$
 $0+00 \text{ TO } 12+54 = 1,254 \text{ FT.}$
 $1254 \times 32 = 40,128 \text{ SQ. FT.}$
RAD'S 440 SQ. FT.
TOTAL $40,568 \text{ SQ. FT.}$
 $40,568 \div 54 \text{ YDS.} = 751.26 \text{ YDS.}$
 $40,568 \div 12880 = 3.15 \text{ YDS.}$
PAVEMENT PLANING FULL WIDTH $1\frac{1}{2} \times 4508 \text{ YDS.}$
27

9TH ST. S.W. ESTIMATED QUANTITIES					
	60/4 ADJUST M'S EA.	60/4 ADJUST C. BASIN EA.			
TOTAL	10	8			

CHERRY RD. N.W., N.E. ESTIMATED QUANTITIES					
	60/4 ADJUST M'S EA.	60/4 ADJUST C. BASIN EA.			
TOTAL	20	9			

CALCULATIONS: $1\frac{1}{2} \times 404$
 $0+64 \text{ TO } 37+14 = 3,450 \text{ FT.}$
 $152 \times 40 = 6,080 \text{ SQ. FT.}$
 $910 \times 35 = 31,850 \text{ SQ. FT.}$
 $450 \times 352 = 158,400 \text{ SQ. FT.}$
 $610 \times 355 = 216,550 \text{ SQ. FT.}$
 $16 \text{ RAD'S} = 440 \text{ SQ. FT.}$
 $1,548 \times 37 = 57,276 \text{ SQ. FT.}$
TOTAL $212,618 \text{ SQ. FT.}$
 $212,618 \div 1250 = 169.65 \text{ YDS.}$
27

CITY OF MASSILLON, OHIO	
RESURFACING	
9TH ST. S.W. & CHERRY RD. N.W.-N.E.	
DR BY RONNIE MCPHERSON	DEPT. OF PUBLIC SERVICE
CITY ENG. ROBERT WAGONER	ENGINEERING DIVISION
SCALE 1" = 50'	DATE 7-89

16TH ST. S.E.

START PROJECT 0+00

START PROJECT 0+25

LINCOLN WAY WEST

STANDISH N.W.

GROSVENOR DR. N. W.

END PROJECT 13+73.38

ALDEN AVE. N.W.

UTE AVE S.E.

ARAPAHOE RD.

OSAGE AVE S.E.

S. E.

MOHICAN RD S.E.

5TH ST. S.E.

START PROJECT 0+00

6TH ST. S.E.

END PROJECT 3+25.00

WALLACE AVE S.E.

WALLACE AVE. S.E. ESTIMATED QUANTITIES					
		604 ADJUST MHS EA.	604 ADJUST C. BASIN EA.		
TOTAL		0	0		

CALCULATIONS: $1\frac{1}{2}$ " - 404
 $0+00$ TO $3+25$ = 325 FT.
 325×20 = 6,500 SQ. FT. 722 SQ. YDS.
 $6500 \times .125$ = 812.50 C.F.
 $\frac{812.50}{27}$ = 30.09 CU. YDS.
 PAVEMENT PLANING - NONE

GROSVENOR DR N.W., ESTIMATED QUANTITIES					
		604 ADJUST MHS EA.	604 ADJUST C. BASIN EA.		
TOTAL		0	4		

CALCULATIONS: GROSVENOR DR. N.W. $1\frac{1}{2}$ " - 404
 $0+25$ TO $13+73.38$ = 1,348.38 FT.
 $0+25$ TO $4+93.17$ = 478.17 FT.
 420.27×33 = 13,868.91 SQ. FT.
 928.11×28 = 25,987.08 SQ. FT.
 $16' RAD'S$ = 440.00 SQ. FT.
 TOTAL = 39,875.72 SQ. FT.
 $\frac{39,875.72}{27}$ = 1,476.88 CU. YDS.
 PAVEMENT PLANING FULL WIDTH $1\frac{1}{2}$ " - 4451 SQ. YDS.

ARAPAHOE RD. & MOHICAN RD S.E. - ESTIMATED QUANTITIES					
		604 ADJUST MHS EA.	604 ADJUST C. BASIN EA.		
TOTAL		12	7		

CALCULATIONS:
 485×33 = 16,005 SQ. FT.
 2119×23 = 48,737 SQ. FT.
 110×4 = 440 SQ. FT.
 TOTAL = 65,182 SQ. FT. 7242 SQ. YDS.
 $65,182 \times .125$ = 8147.75 C.F.
 $\frac{8147.75}{27}$ = 301.768 CU. YDS.
 PAVEMENT PLANING - NONE

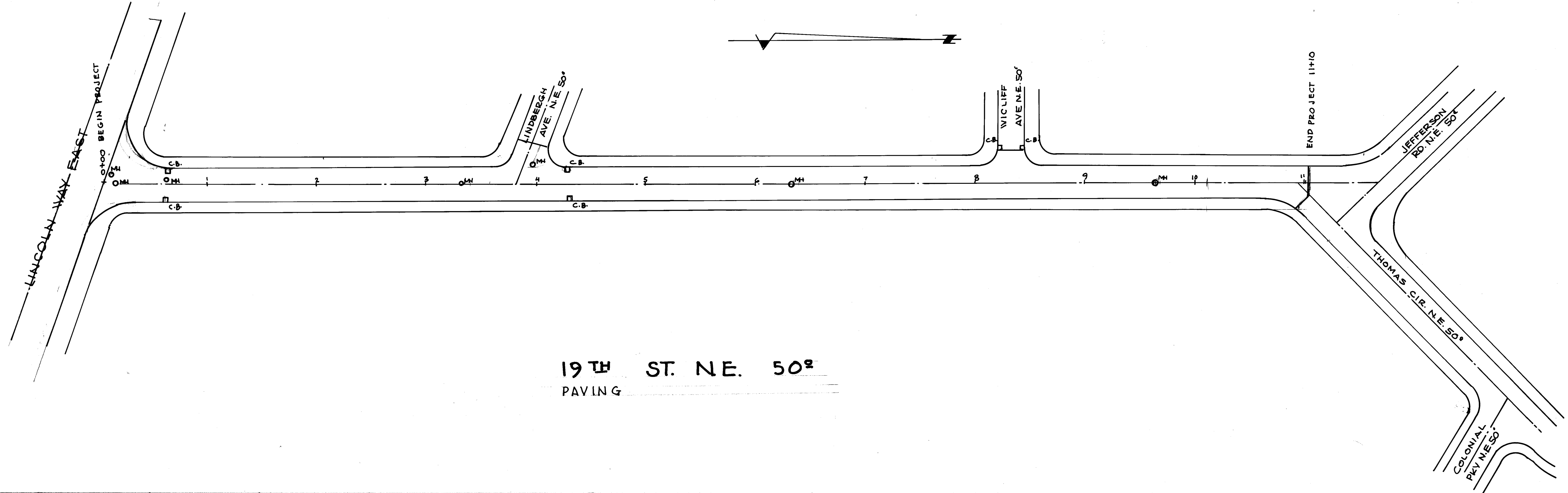
HURON RD. S.E.

END PROJECT 26+04.89

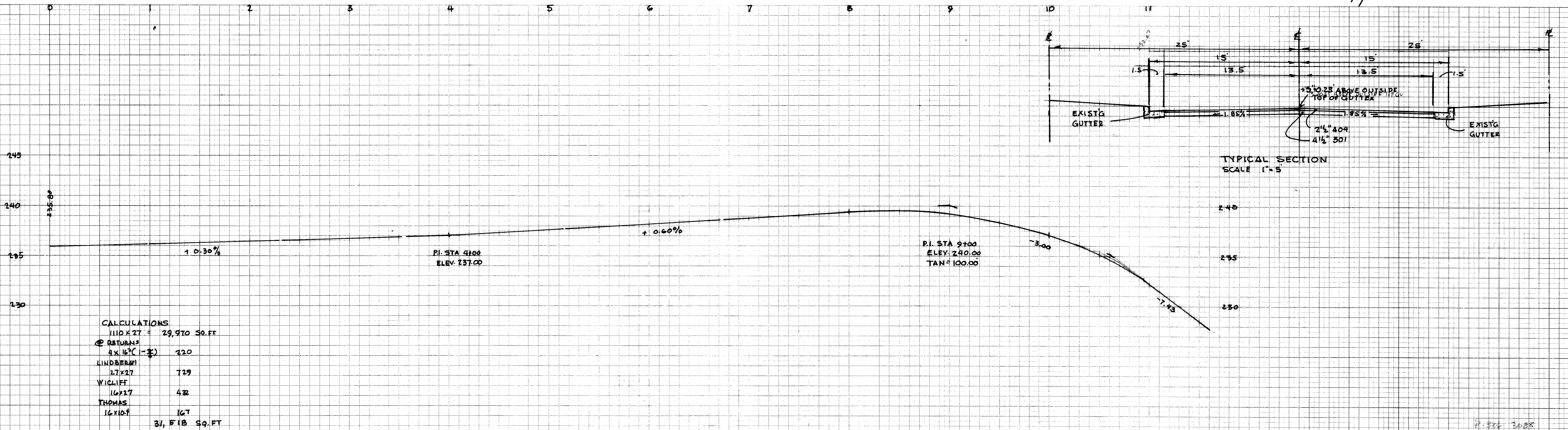
RICHVILLE DR S.E.

CITY OF MASSILLON, OHIO	
GROSVENOR DR. N.W. RESURFACING WALLACE AVE. S.E.	
ARAPAHOE RD. S.E. & MOHICAN RD. S.E.	
DR. BY RON MCPHERSON	DEPT. OF PUBLIC SERVICE
CITY ENG. ROBERT WAGONER	ENGINEERING DIVISION
SCALE 1" = 50'	DATE 7/89
	7

FINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
TEMPLATE		
AREAS		
CHECKED		

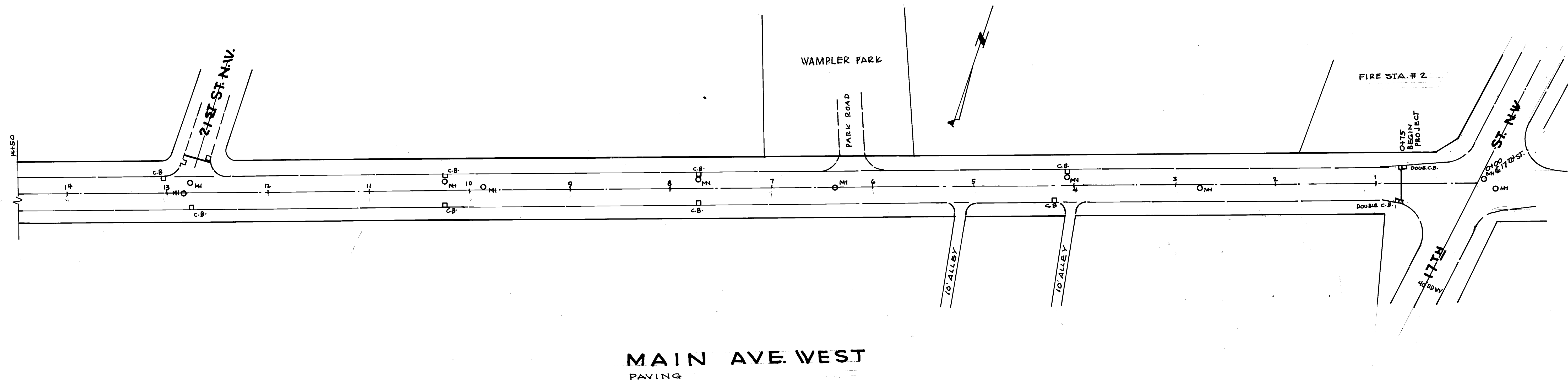


ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
TEMPLATE		
AREAS		
CHECKED		



FINAL	DATE
SURVEY	BY
NOTE BOOK	SURVEYED
NO.	TEMPLATE
	AREAS
	CHECKED

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	SURVEYED
NO.	TEMPLATE
	AREAS
	CHECKED



MAIN AVE. WEST
PAVING

CALCULATIONS:	
2395' x 25'	69,455 SQ. FT.
TRANSITION 40' x 20' x 20'	172
" " " " " " " "	80
21' ST. 20' ST. AV.	17,406
21' ST. 20' ST. AV.	17,406
21' ST. 40' ST. AV.	1456
	90,245 SQ. FT.

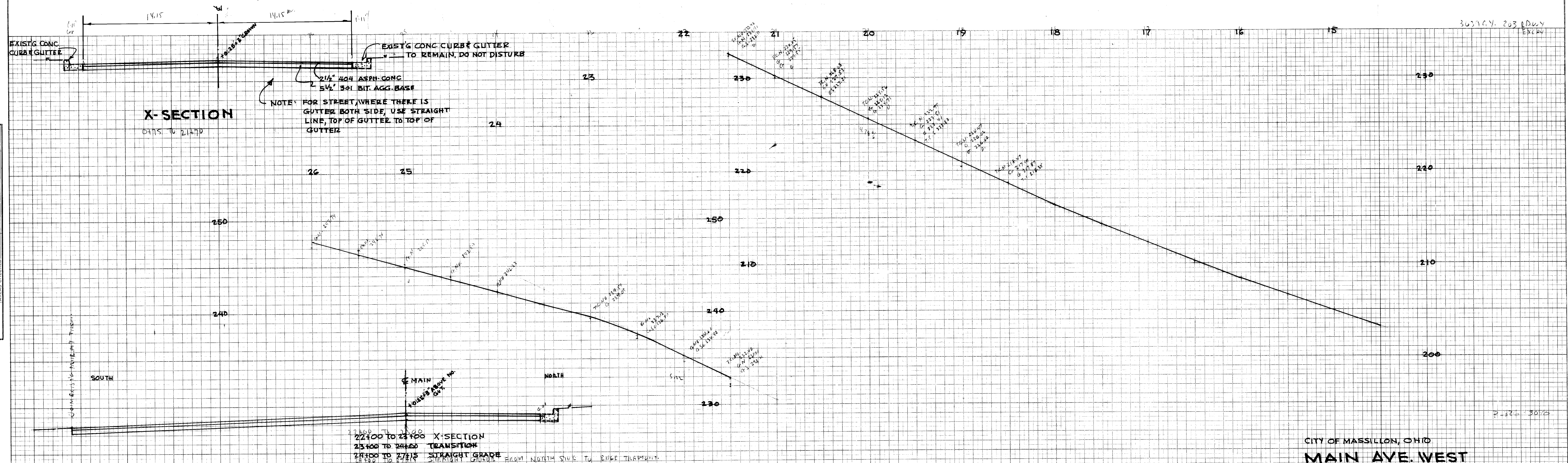
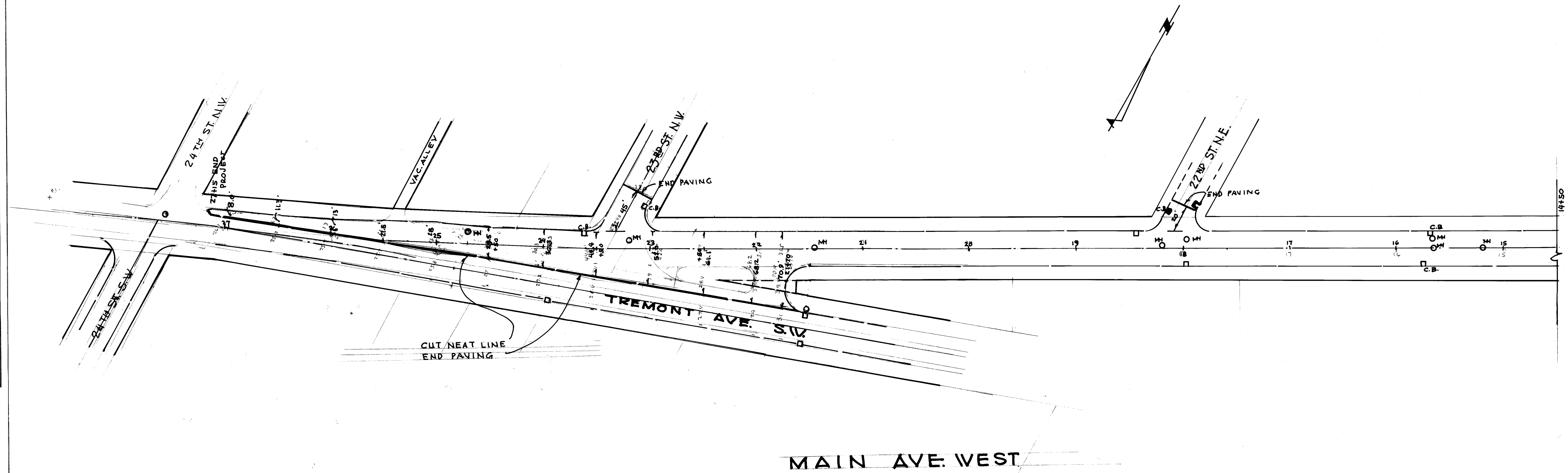
QUANTITIES:	
203 ROADWAY EXCAV.	3640 CU. YDS.
201 5 1/2" BIT. AGG. BASE	1532 C.Y.
404 2 1/2" ASPH. CONC.	696.4 C.Y.
310 SUB. BASE (OP. ENG. DIRECTION)	400 C.Y.
408 PRIME COAT	4000 GAL.
409 SEAL COAT @ EDGES	100 GAL.
604 CATCH BASINS ADJ'D	12 EA.
604 CATCH BASINS REBUILT	4 EA.
604 MANHOLES ADJ'D	14 EA.
614 TRAFFIC MAINTAIN'D	LUMP

GENERAL NOTES: 17TH ST. N.W. & MAIN AVE. WEST
ALL CONSTRUCTION TO BE CITY OF MASSILLON SPECIFICATIONS AND STANDARDS, AND THE LATEST ADDITION OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS.
THE CONTRACTOR SHALL PROVIDE TEMPORARY MEANS FOR ACCESS TO THE ADJOINING PROPERTIES. ADJOINING PROPERTIES SHALL NOT BE LEFT WITHOUT ACCESS FOR MORE THAN ONE DAY AT A TIME. COST WILL BE INCLUDED IN ITEM 614. THE TEMPORARY ACCESS SHALL BE A MIN. OF 24 FEET WIDE. THE PROVISIONS FOR TEMPORARY ACCESS SHALL BE APPROVED BY THE ENGINEER.
THE CONTRACTOR SHALL NOT DISTURB THE EXISTING CURB & GUTTER. CONTRACTOR SHALL BE LIABLE FOR DAMAGES TO EXISTING CURB & GUTTER.
CONTRACTOR WILL FURNISH ALL BARRICADES AND SIGNS FOR TRAFFIC CONTROL. THE STREET WILL BE OPEN FOR TRAFFIC TO LOCAL RESIDENTS PER ABOVE NOTE, WITH THE LEAST INCONVENIENCE TO THE LOCAL RESIDENTS.
CONTRACTOR SHALL MAINTAIN STREET DURING CONSTRUCTION.
EXCAVATED MATERIAL MAY BE TRUCKED TO DUMP SITE WEST OF 9TH ST. S.W. 700' SOUTH OF INDUSTRIAL AVE. S.W. CONTRACTOR SHALL GRADE & PUSH MATERIAL INTO HOLE & GRADE.
CONTRACTOR SHALL REMOVE NO MORE THAN 900 L.F. OF STREET AT A TIME, MAIN AVE. WEST ONLY UNTIL 5 1/2" BITUMINOUS AGG. BASE IS PLACED.

CITY OF MASSILLON, OHIO
MAIN AVE. WEST
PAVING FROM 17TH ST. N.W. TO TREMONT AVE. S.W.
SCALE 1" = 50' HOR., 1" = 5' VERT.
JULY 1969
DEPT. OF PUB. SERVICE
ENG. DIVISION

FINAL SURVEY	DATE
SURVEYED	BY
NOTED	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTED	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED



CITY OF MASSILLON, OHIO
MAIN AVE. WEST
 PAVING, FROM 17th ST. N.W. TO TREMONT AVE. S.W.
 SCALE 1"=50' HOR., 1"=5' VER.
 DEPT. OF PUB. SERVICE
 JULY 1989
 ENG. DIV.