

CITY OF MASSILLON, OHIO COUNTY OF STARK

CITY OF MASSILLON

1 JAMES DUNCAN PLAZA
MASSILLON, OHIO 44646
MR. JIM BENEKOS, P.E.,

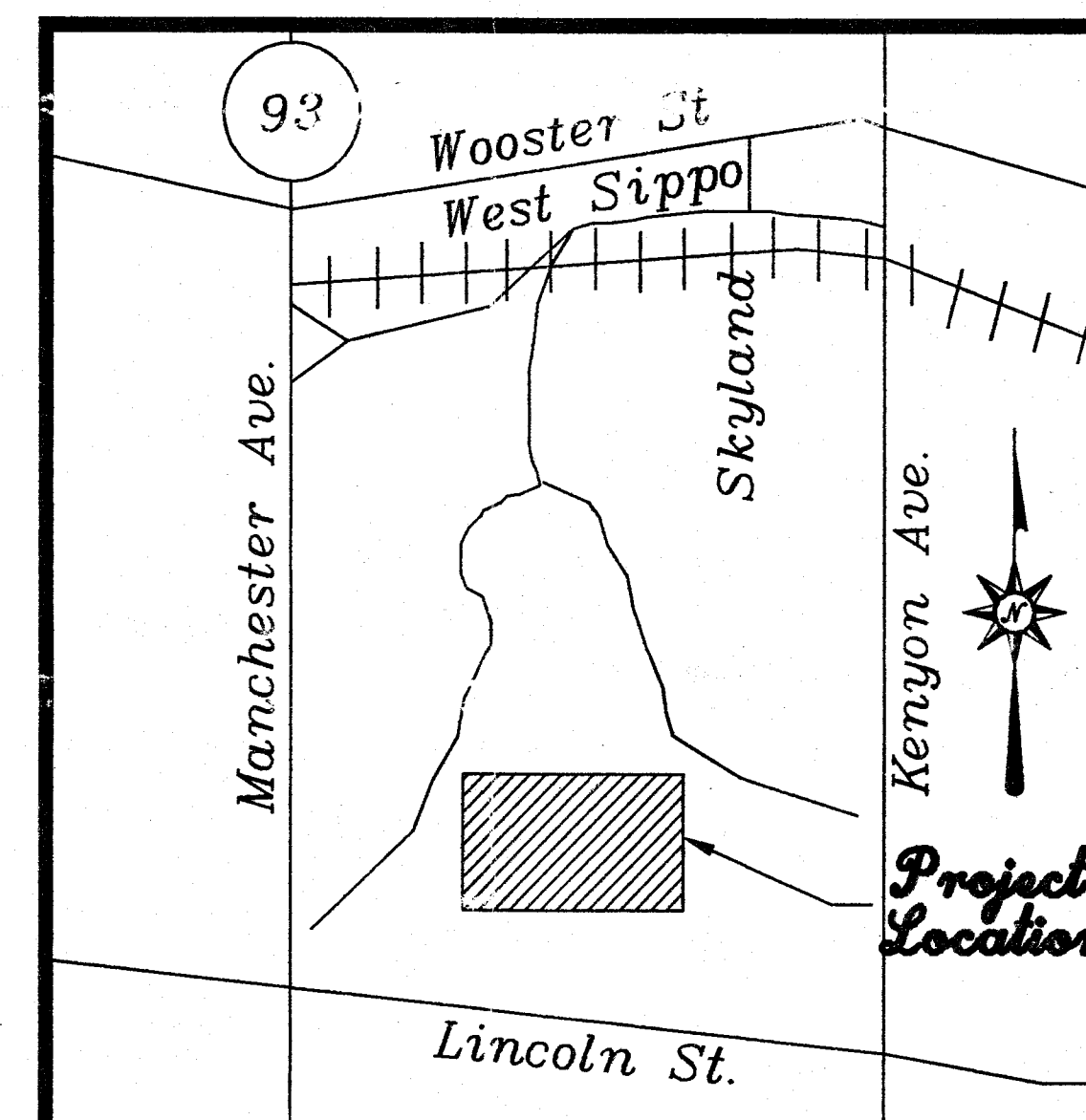
OWNER/DEVELOPER/ PROJECT ENGINEER

W.G. LOCKHART CONSTRUCTION CO.
800 WEST WATERLOO ROAD
AKRON, OHIO 44319
PH: (330) 745-6520
FAX (330) 745-0716

DRAWING LIST

1. TITLE SHEET
2. OVERALL PLAN
3. PLAN & PROFILE STA. 0+00 TO 12+00
4. PLAN & PROFILE STA. 12+00 TO 25+00
5. PLAN & PROFILE STA. 25+00 TO 33+77.39
6. SANITARY DETAILS

MAY, 1999



LOCATION MAP
Not to scale

CONSTRUCTION NOTES: SANITARY SEWER, GRAVITY

CONSTRUCTION SHALL BE INSPECTED BY THE CITY OF MASSILLON CONSTRUCTION DIVISION.
A PRE-CONSTRUCTION MEETING IS REQUIRED. CALL GREG McCUE 1-330-830-1722

ALL MATERIAL AND INSTALLATION SHALL MEET THE FOLLOWING SPECIFICATIONS
AND ALL REQUIREMENTS OF CITY OF MASSILLON AND OHIO EPA.

ALL PIPE SHALL BE SDR-35 PVC ASTM SPEC D3034.

JOINT SPEC SHALL BE ASTM D3212.

BEDDING CLASSIFICATION SHALL BE ASTM D2321 CLASS 10R 2 FOR FLEXIBLE PIPE.

MINIMUM SLOPE SHALL BE 0.50%

MAXIMUM MANHOLE SPACING SHALL BE 400 FEET.

SEWER SHALL MEET AIR TEST SECTION 33.93 AND 33.95 IN TEN STATE STANDARDS AND ASTM SPEC F1417.

FLEXIBLE PIPE SHALL MEET DEFLECTION TEST SECTION 33.85, TEN STATE STANDARDS FOR PLASTIC PIPE MEETING ASTM D3034.

ALL MANHOLES SHALL BE PRECAST CONCRETE MEETING ASTM MATERIAL SPEC C478 AND JOINT SPEC ASTM C443.

MANHOLES SHALL MEET LEAKAGE TEST SECTION 34.7, TEN STATE STANDARDS AND ASTM SPEC C1244.

MANHOLES SHALL HAVE 2 COATS OF EPOXY COATING PER CITY OF MASSILLON SPECS.

LATERALS SHALL BE LAID AT NO LESS THAN 1.00% AND BE NO SHALLOWER THAN
8 FEET AT THE RIGHT OF WAY LINE. LATERALS SHALL EXTEND 12 FEET +/- BEYOND R.O.W.

ALL OPEN END LENGTHS OF SANITARY SEWER PIPES OR STUBS ARE TO BE BULKHEADED WITH REMOVABLE STOPPERS
WITH COMPRESSION JOINTS SUFFICIENTLY SEALED TO WITHSTAND REQUIRED TESTING.

ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

ALIGNMENT TO FUTURE SEWER EXTENSION TO BE FIELD VERIFIED.

WEST MASSILLON TRUNK SEWER EXTENSION

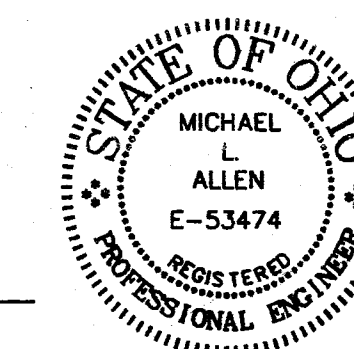
APPROVALS

CITY ENGINEER _____ DATE _____

SUBMITTED BY: _____
MICHAEL L. ALLEN, P.E. #53474 DATE _____

SUBMITTED BY: _____
OWNER/DEVELOPER: A.R. LOCKHART, PRESIDENT DATE _____

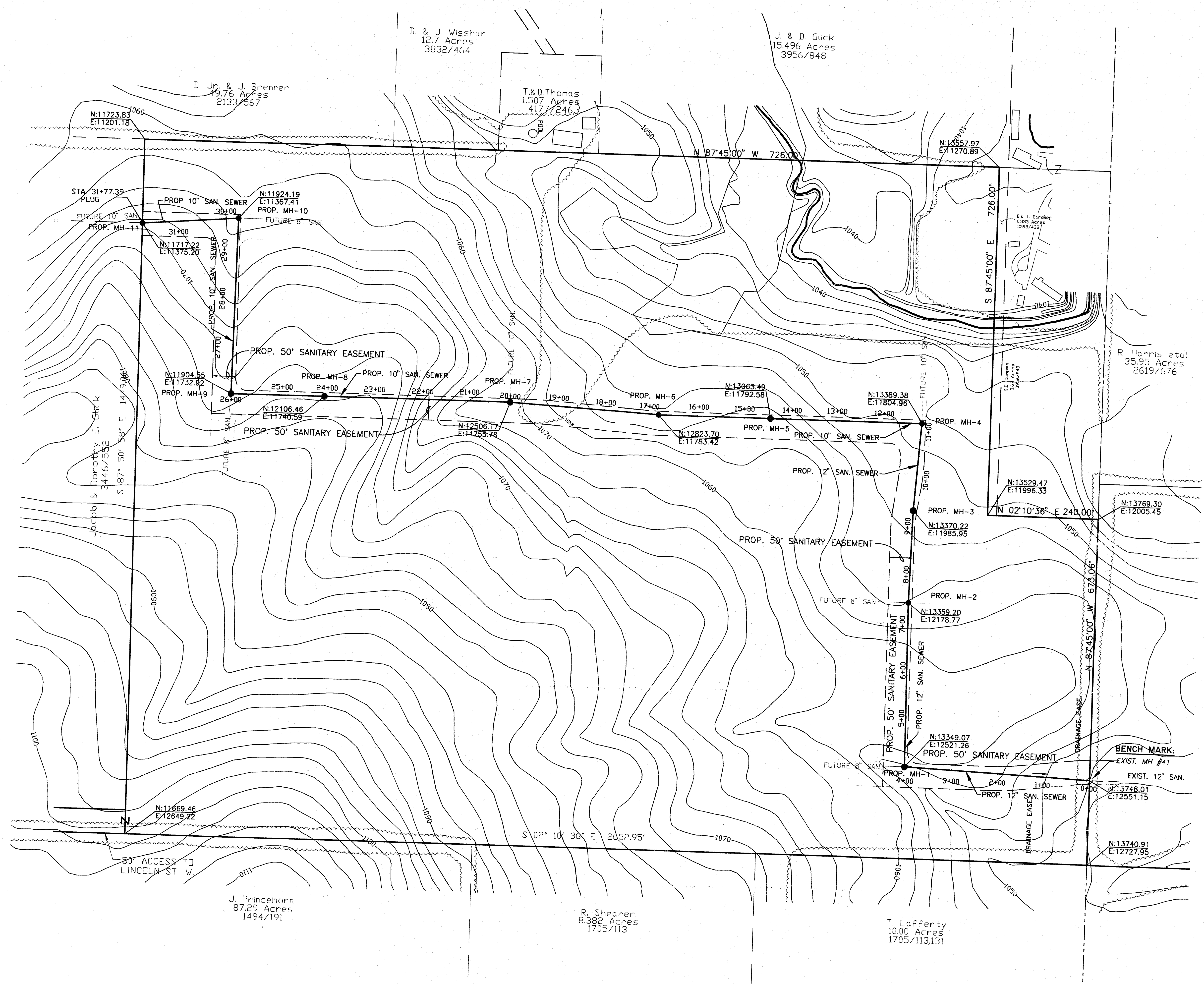
APPROVED BY: _____
OWNER/DEVELOPER: A.R. LOCKHART, PRESIDENT DATE _____



As Built Drawings
4/19/00

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICES

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0' 100' 200' 300'

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE: 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

BENCH MARK:
INVERT OF EXISTING MANHOLE No. 41
ELEV. 1023.94

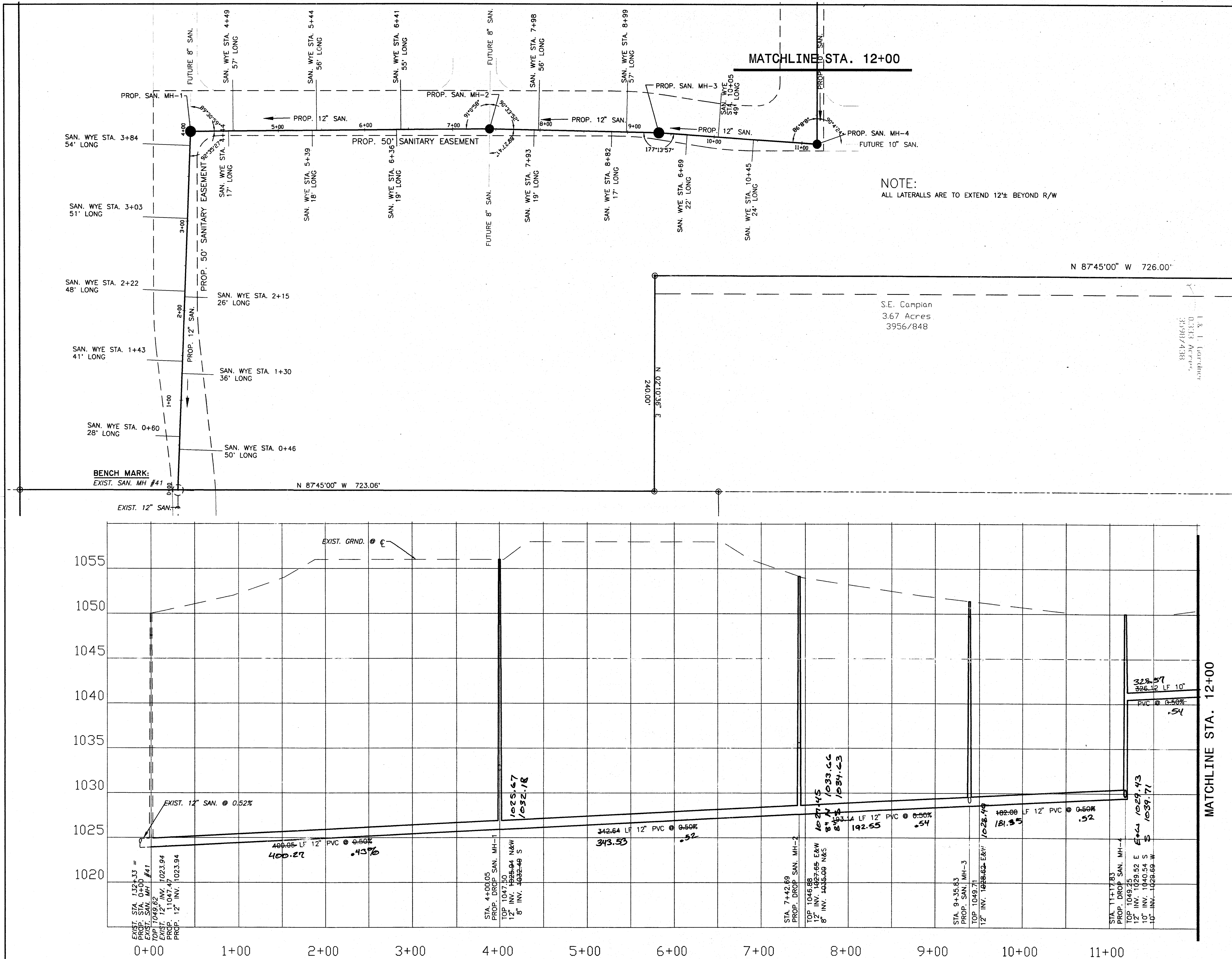
As Built Drawings
4/9/00

CONSTRUCTION CO.

PROJECT NUMBER		700		W. MASSILLON TRUNK SEWER EXT.	
DATE: 4/4/00		SCALE: 1" = 100' HORIZ		SANTARY DETAILS	
NO. 1		DATE		REVISION	
NO. 2		DATE		REVISION	
NO. 3		DATE		REVISION	
NO. 4		DATE		REVISION	
NO. 5		DATE		REVISION	
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NO. 100		DATE		REVISION	

W. MASSILLON TRUNK SEWER EXT.
STA. 0+00 TO STA. 31+77.38

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2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE: 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

BENCH MARK:
INVERT OF EXISTING MANHOLE No. 41
ELEV. 1023.94

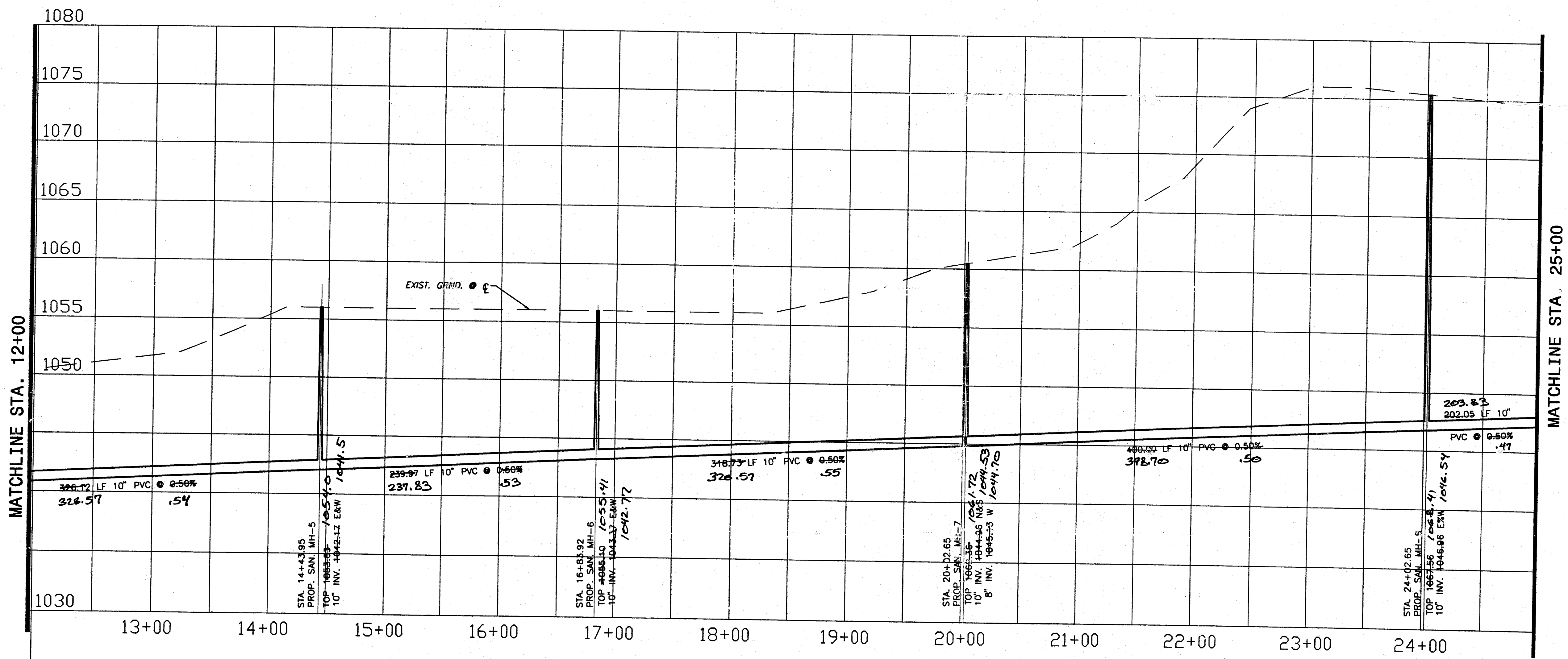
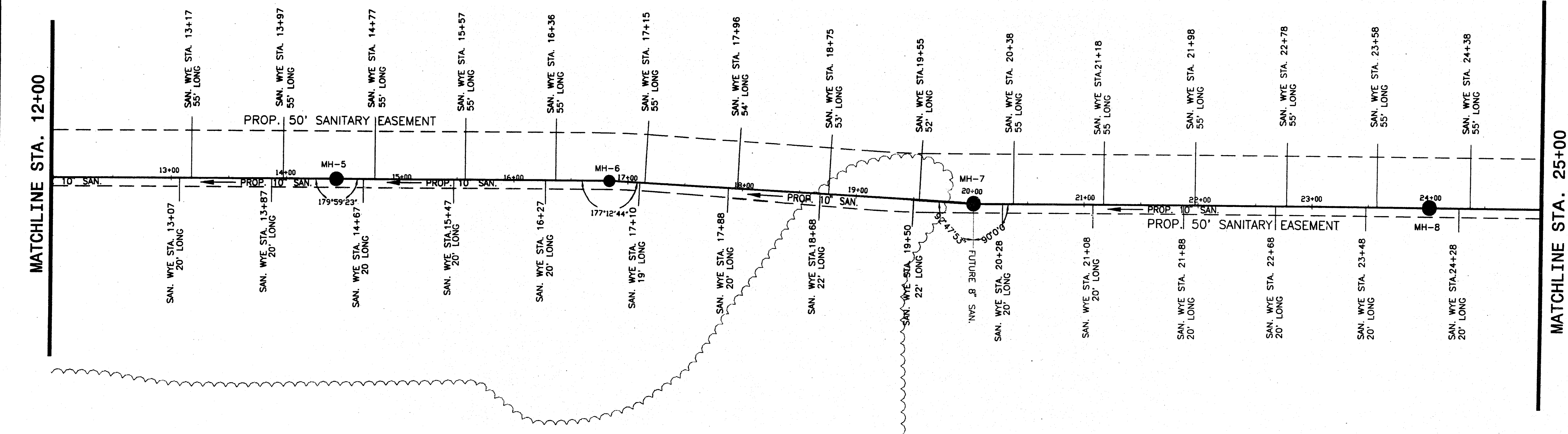
As Built Drawings
4/9/00.

LOCKHART
CONSTRUCTION CO.

W. MASSILLON TRUNK SEWER EXT.
STA. 0+00 TO STA. 12+00

PROJECT NUMBER			W. MASSILLON TRUNK SEWER EXT.			700			PROJECT NUMBER		
DATE: 5/4/99			PLAN AND PROFILE			700			PROJECT NUMBER		
SCALE: 1" = 20' HORIZ.									PROJECT NUMBER		
SCALE: 1" = 5' VERT.									PROJECT NUMBER		
DRAWN: CJB									PROJECT NUMBER		
CHECKED: JRB									PROJECT NUMBER		

NOTE:
ALL LATERALS ARE TO EXTEND 12'± BEYOND R/W



0' 50' 100' 150'

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE: 800-362-2764
ONE UTILITIES PROTECTION SERVICE

BENCH MARK:
INVERT OF EXISTING MANHOLE No. 41
ELEV. 1023.94

As Built Drawings
4/9/00

W. G. LOCKHART
CONSTRUCTION CO.

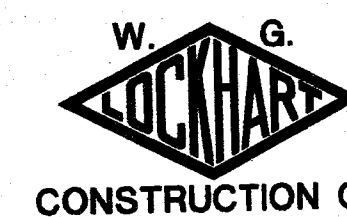
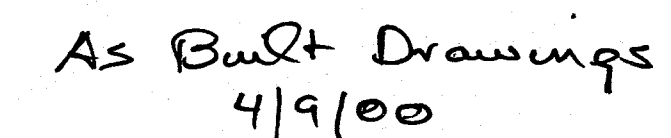
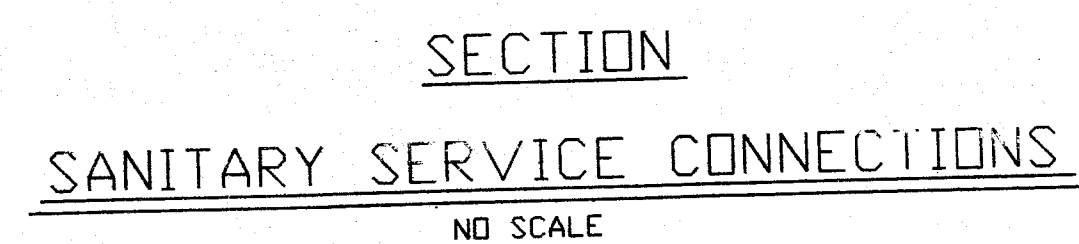
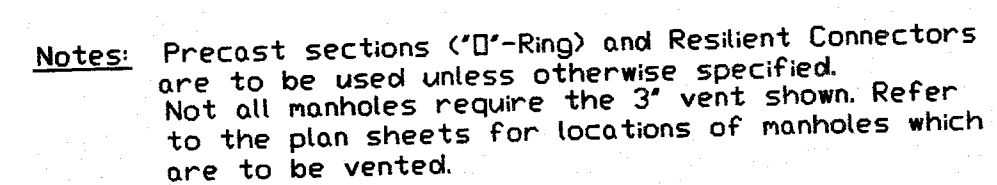
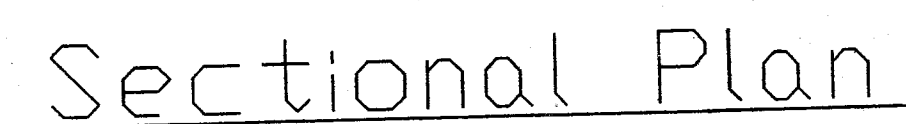
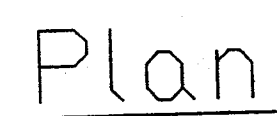
DATE: 9/2/99	NO. 1	DATE	REVISION
SCALE: H' 20' V' 5'	1		
DRAWN: CTB	2		
CHECKED: JFB	3		

W. MASSILLON TRUNK SEWER EXT.
PLAN AND PROFILE

PROJECT NUMBER: 700

W. G. LOCKHART CONSTRUCTION CO.
800 West Waterloo Road Akron, Ohio 44314
(330) 745-6520

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6



W. MASSILLON TRUNK SEWER EXT.

	F.C. LOCKHART CONSTRUCTION CO. 800 West Waterloo Road Akron, Ohio 44314 (330) 7745-6520	PROJECT NUMBER 700	W. MASSILLON TRUNK SEWER EXT. SANITARY DETAILS					DATE <u>4/4/99</u>	No.	DATE	REVISION	BY
			SCALE <u>NONE</u>	1								
			SCALE <u>NONE</u>	2								
			DRAWN <u>CFB</u>	3								
			CHECKED <u>JEB</u>									