

THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE AT 1-800-362-2764 AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO BEGINING CONSTRUCTION.

CITY OF MASSILLON

1 JAMES DUNCAN PLAZA
MASSILLON, OHIO 44646

MR. JIM BENEKOS, P.E., P.S. (330) 830-1722

EAST OHIO GAS COMPANY

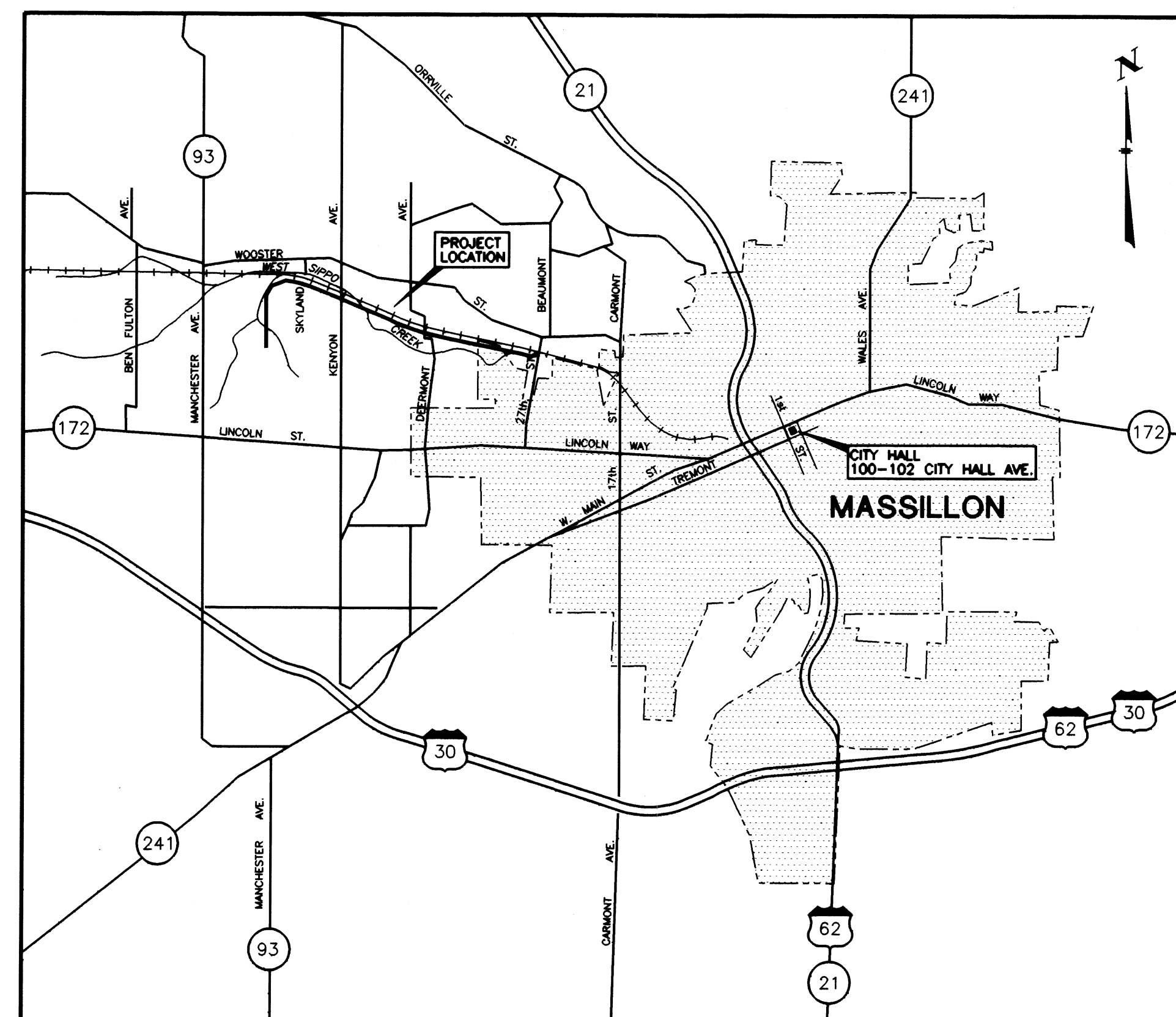
4725 SOUTHWAY STREET N.W.
CANTON OHIO 44706-1936

MR. MARK WETZEL (330) 478-3144

BELDEN & BLAKE CORPORATION

3323 MAGNOLIA ROAD
MAGNOLIA, OHIO 44643

MR. SCOTT KIMBROUGH (330) 866-5551



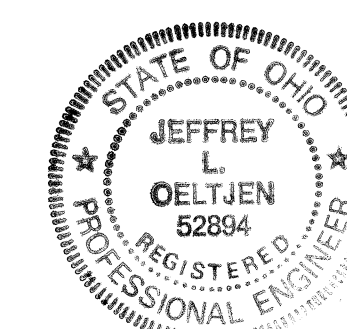
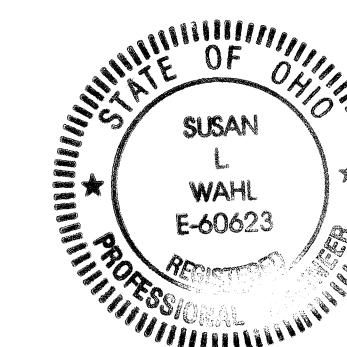
LOCATION MAP
NO SCALE

WEST MASSILLON TRUNK SEWER

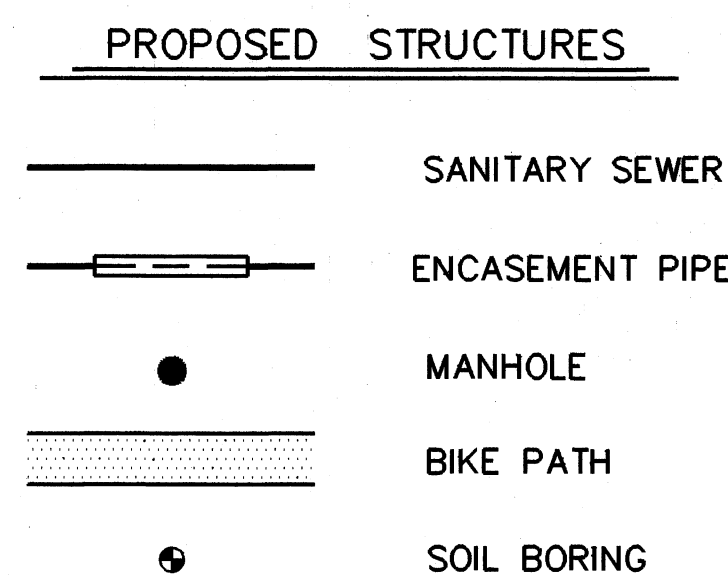
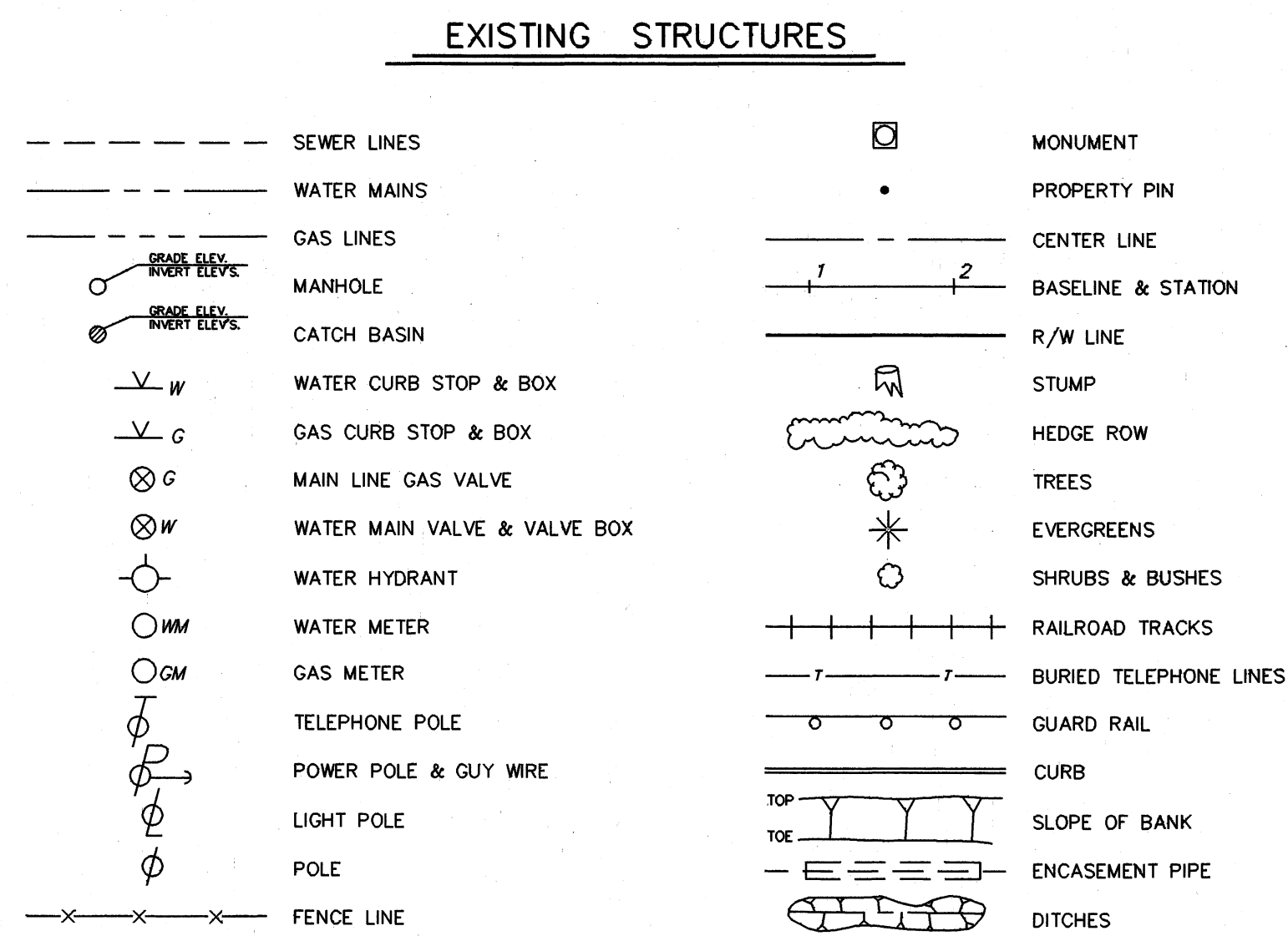
MASSILLON, OHIO

FINKBEINER, PETTIS AND STROUT, INC.
AKRON, OHIO

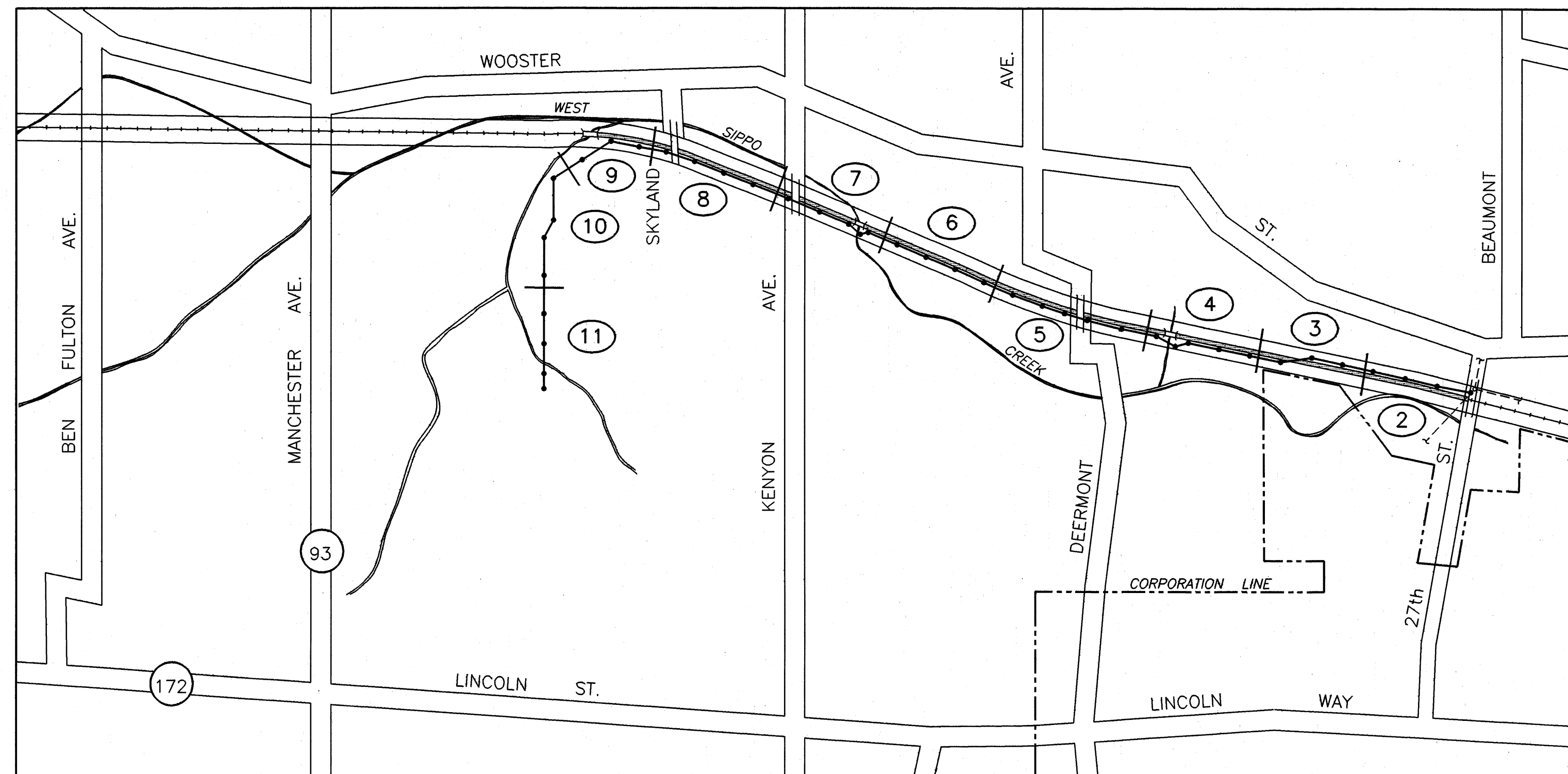
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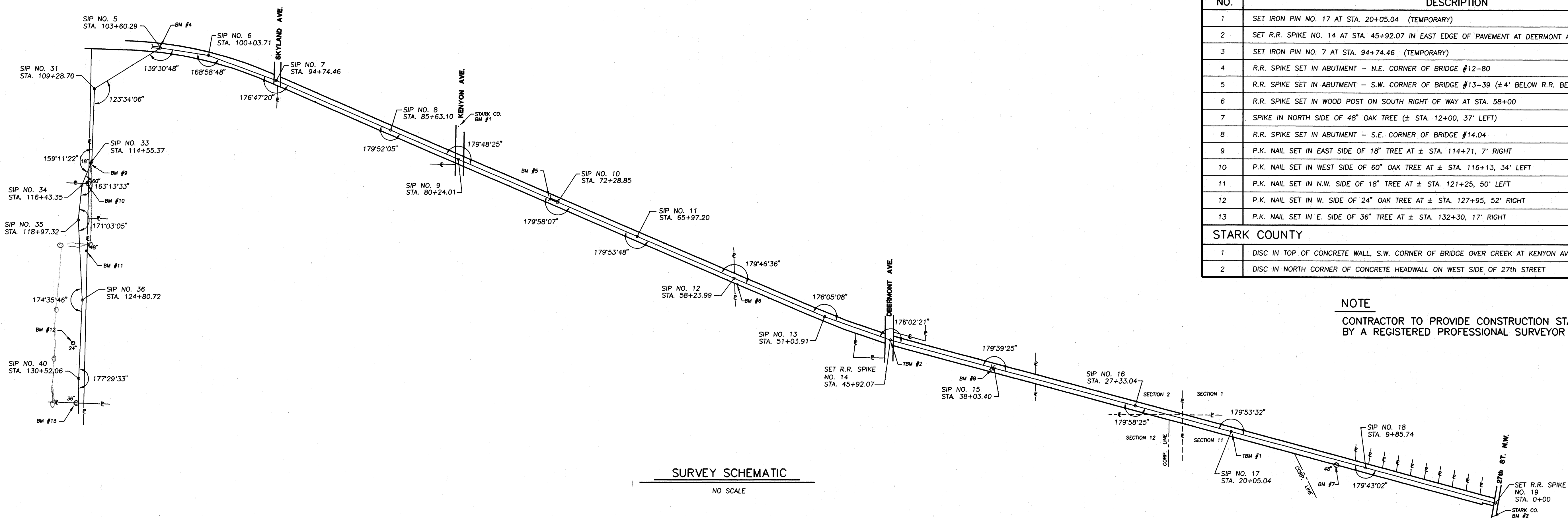
APPROVALS
Alan W. Climer 9-23-96
DIRECTOR OF PUBLIC SERVICE AND SAFETY DATE
Michael Hengst 9/18/96
STARK COUNTY SANITARY ENGINEER DATE
Jim J. Benkos 9/17/96
CITY ENGINEER DATE



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



SHEET INDEX



BENCHMARKS		
FINKBEINER, PETTIS & STROUT, INC.		
NO.	DESCRIPTION	ELEVATION
1	SET IRON PIN NO. 17 AT STA. 20+05.04 (TEMPORARY)	997.17
2	SET R.R. SPIKE NO. 14 AT STA. 45+92.07 IN EAST EDGE OF PAVEMENT AT DEERMONT AVE. (TEMPORARY)	1010.32
3	SET IRON PIN NO. 7 AT STA. 94+74.46 (TEMPORARY)	1017.66
4	R.R. SPIKE SET IN ABUTMENT - N.E. CORNER OF BRIDGE #12-80	1020.71
5	R.R. SPIKE SET IN ABUTMENT - S.W. CORNER OF BRIDGE #13-39 (±4' BELOW R.R. BED)	1007.04
6	R.R. SPIKE SET IN WOOD POST ON SOUTH RIGHT OF WAY AT STA. 58+00	1010.67
7	SPIKE IN NORTH SIDE OF 48" OAK TREE (± STA. 12+00, 37' LEFT)	1005.73
8	R.R. SPIKE SET IN ABUTMENT - S.E. CORNER OF BRIDGE #14.04	1005.73
9	P.K. NAIL SET IN EAST SIDE OF 18" TREE AT ± STA. 114+71, 7' RIGHT	1037.27
10	P.K. NAIL SET IN WEST SIDE OF 60" OAK TREE AT ± STA. 116+13, 34' LEFT	1035.65
11	P.K. NAIL SET IN N.W. SIDE OF 18" TREE AT ± STA. 121+25, 50' LEFT	1037.33
12	P.K. NAIL SET IN W. SIDE OF 24" OAK TREE AT ± STA. 127+95, 52' RIGHT	1039.98
13	P.K. NAIL SET IN E. SIDE OF 36" TREE AT ± STA. 132+30, 17' RIGHT	1050.49
STARK COUNTY		
1	DISC IN TOP OF CONCRETE WALL, S.W. CORNER OF BRIDGE OVER CREEK AT KENYON AVE.	1007.83 (USED)
2	DISC IN NORTH CORNER OF CONCRETE HEADWALL ON WEST SIDE OF 27th STREET	1008.72 (STAMPED)
		981.77

NOTE
 CONTRACTOR TO PROVIDE CONSTRUCTION STAKING BY A REGISTERED PROFESSIONAL SURVEYOR

REV. NO.	DESCRIPTION	DATE	BY	APP'D

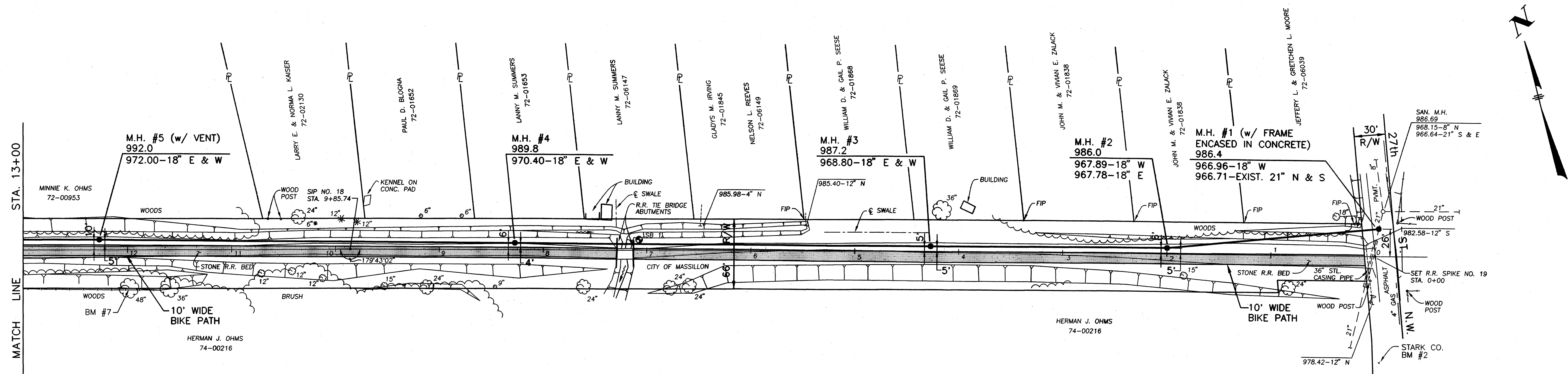
FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
 AKRON, OHIO

SCALE
 AS NOTED
 DESIGNED BY
 S.L.W.
 DRAWN BY
 C.A.S.
 CHECKED BY
 G.G.A./J.L.O.

SHEET INDEX, SYMBOLS AND SURVEY SCHEMATIC
WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO

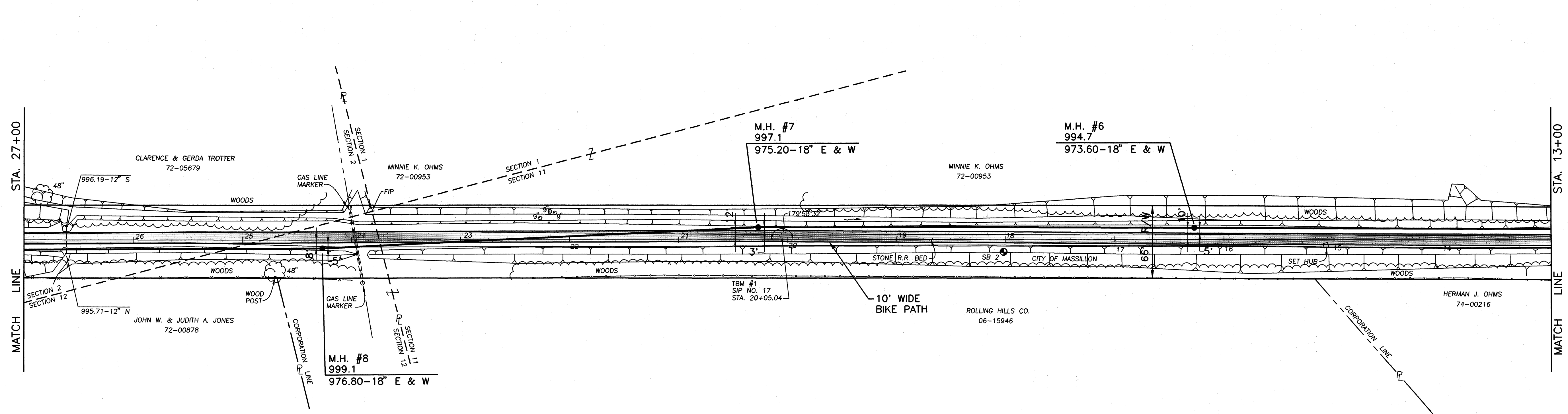
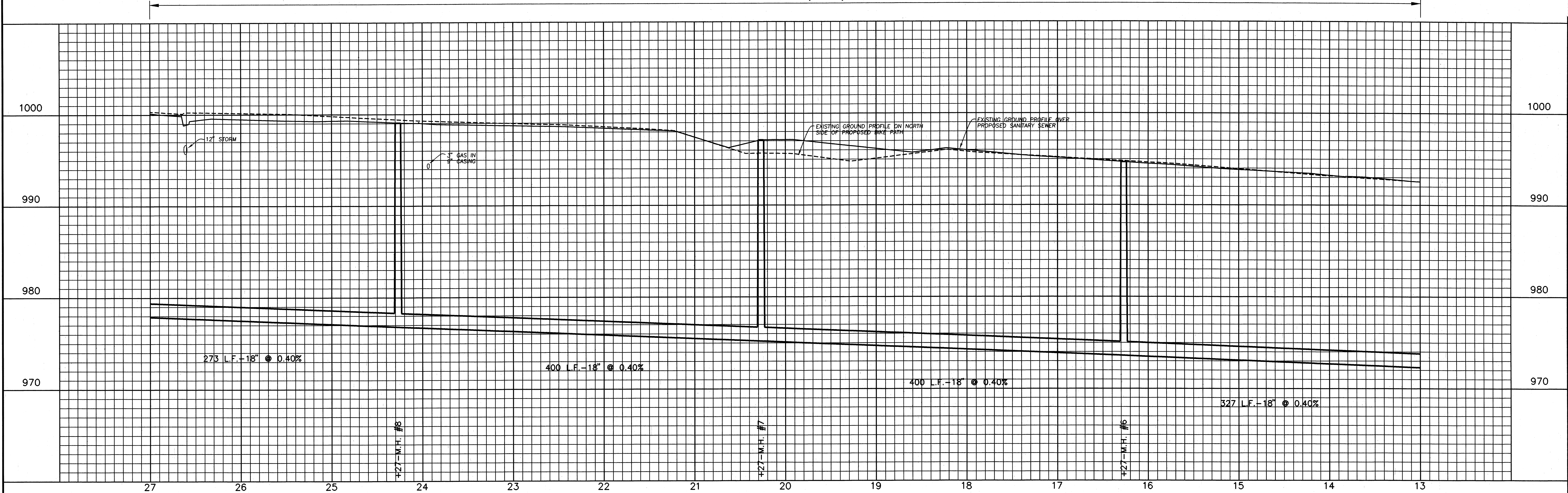
CAD NUMBER MLLINO01
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
1 OF 12

Profile view of a proposed sanitary sewer line. The horizontal axis represents stationing from 13 to 0. The vertical axis represents elevation. A dashed line shows the existing ground profile, and a solid line shows the proposed sewer profile. The sewer profile consists of several segments with different lengths and slopes: 73 L.F. - 18" @ 0.40%, 400 L.F. - 18" @ 0.40%, 400 L.F. - 18" @ 0.40%, 227 L.F. - 18" @ 0.40%, 204 L.F. - 18" @ 0.40% (ACTUAL), and 203 L.F. - 18" @ 0.40% (STATIONING). Vertical manholes are indicated by vertical lines with labels: #5 at station 12.5, #4 at station 8.5, #3 at station 4.5, #2 at station 2.5, and #1 at station 0.5. A note "EXISTING GROUND PROFILE ON NORTH SIDE OF PROPOSED BIKE PATH" points to a dashed line above the sewer profile. A note "EXISTING 21" SAN. SEWER" points to a dashed line below the sewer profile.



STARK COUNTY BENCHMARK #2
 DISC IN N. CORNER OF CONCRETE HEADWALL
 ON WEST SIDE OF 27th STREET
 EL. 981.77

CAD NUMBER MLLUS001
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
2 OF 12



F.P.S. TEMPORARY BENCHMARK #1
SET IRON PIN NO. 17 AT STA. 20+05.04
EL. 997.17

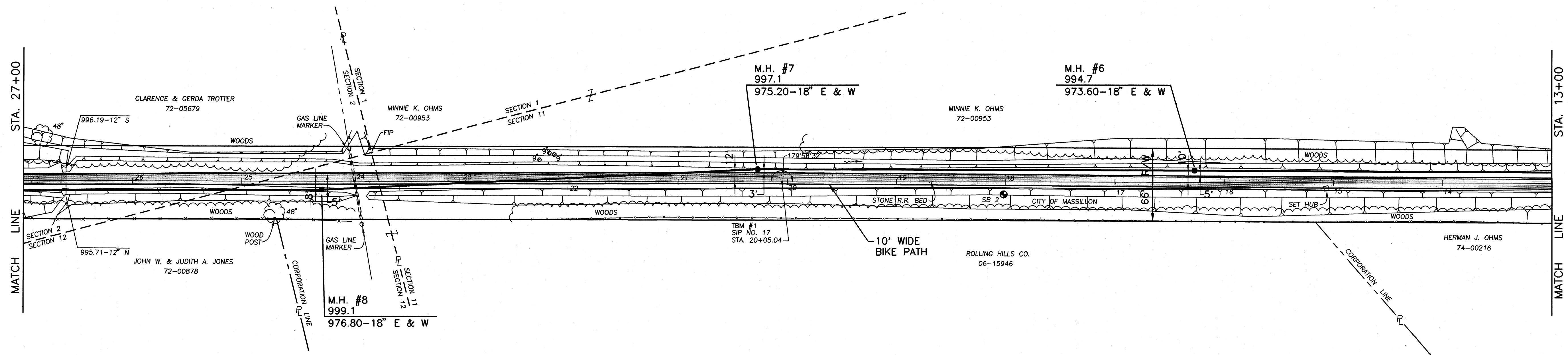
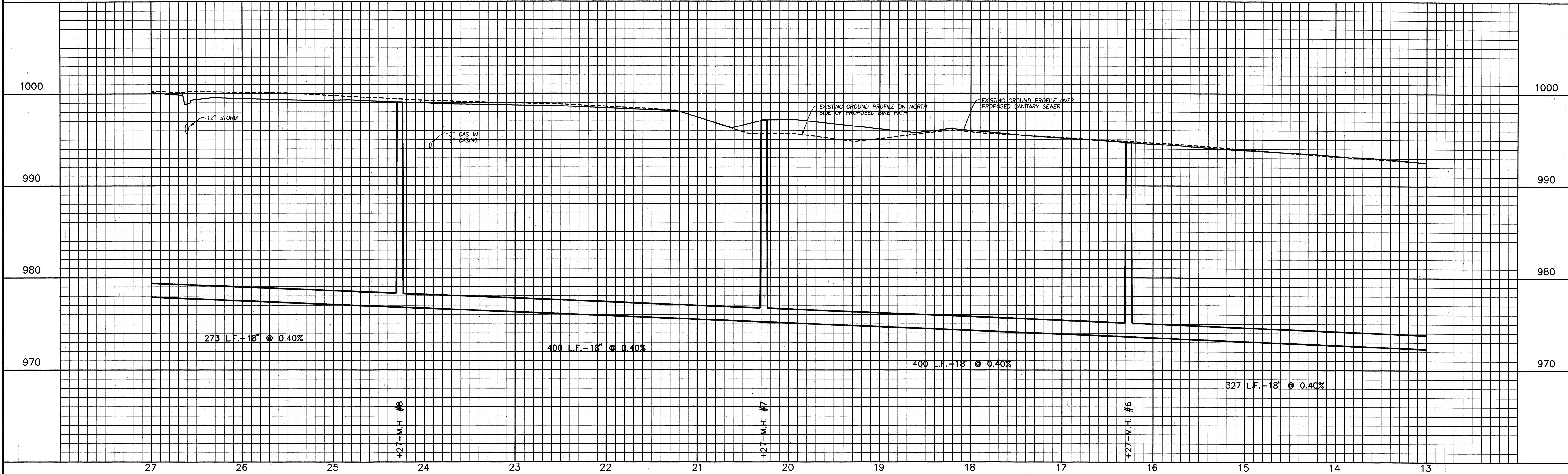
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 13+00 TO STA. 27+00
WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER MLLUS002
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
3 OF 12



F.P.S. TEMPORARY BENCHMARK #1
SET IRON PIN NO. 17 AT STA. 20+05.04
EL. 997.17

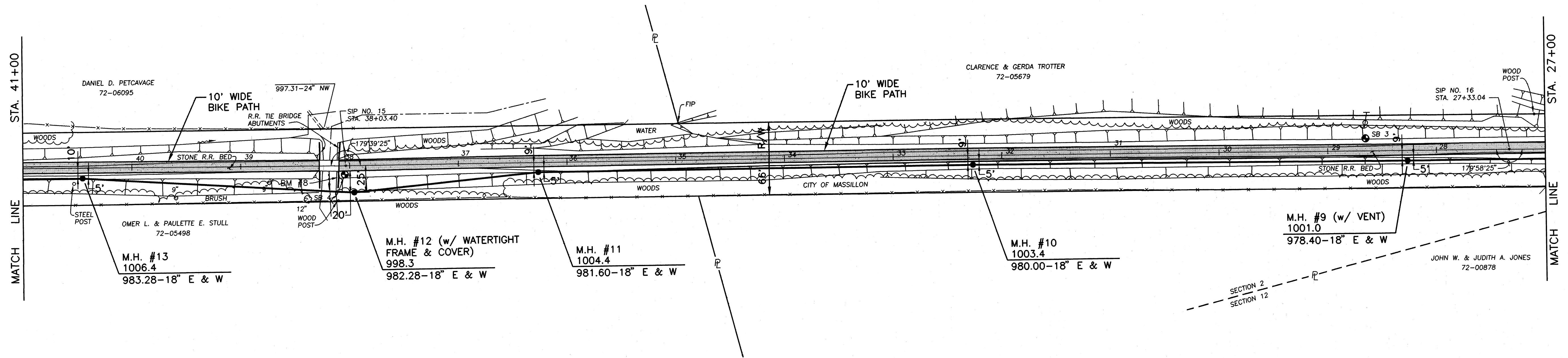
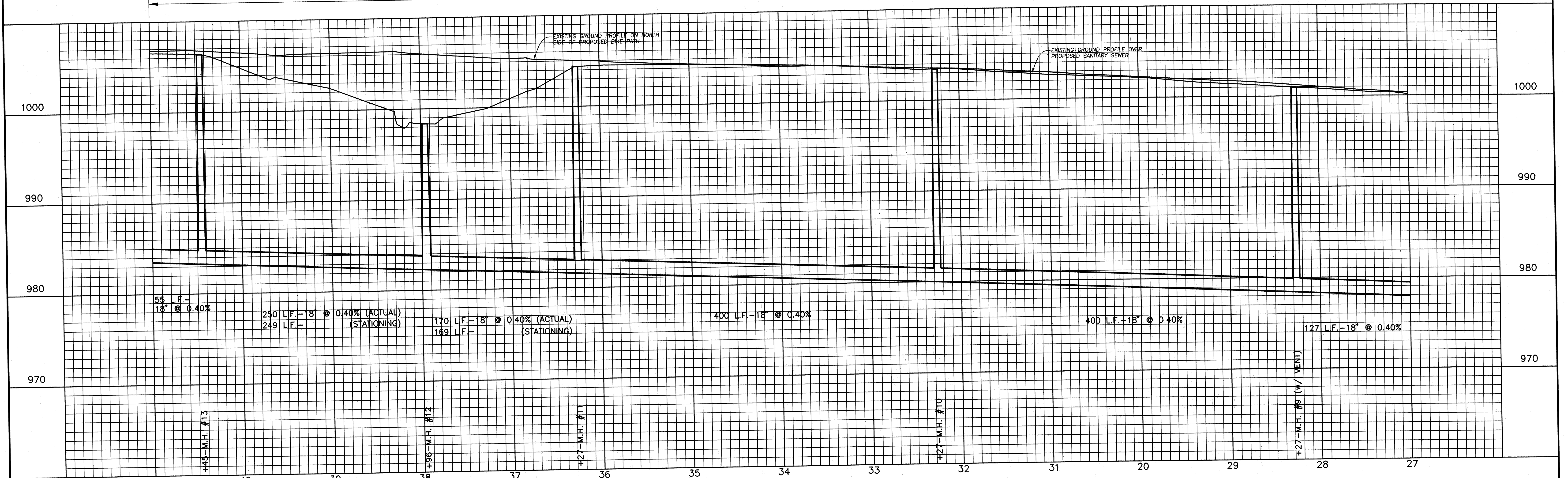
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 13+00 TO STA. 27+00
WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER
MLLUS002
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
3 OF 12



NOTE
ALL BRIDGES SHALL NOT BE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST PRESERVE THE STRUCTURAL INTEGRITY OF THE EXISTING BRIDGES. THE LOAD CAPACITY IS UNKNOWN. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY ON DETERMINING USE OF THE BRIDGES FOR EQUIPMENT ACCESS.

F.P.S. BENCHMARK #8
R.R. SPIKE IN S.E. ABUTMENT
OF BRIDGE 14.04
EL. 1005.73

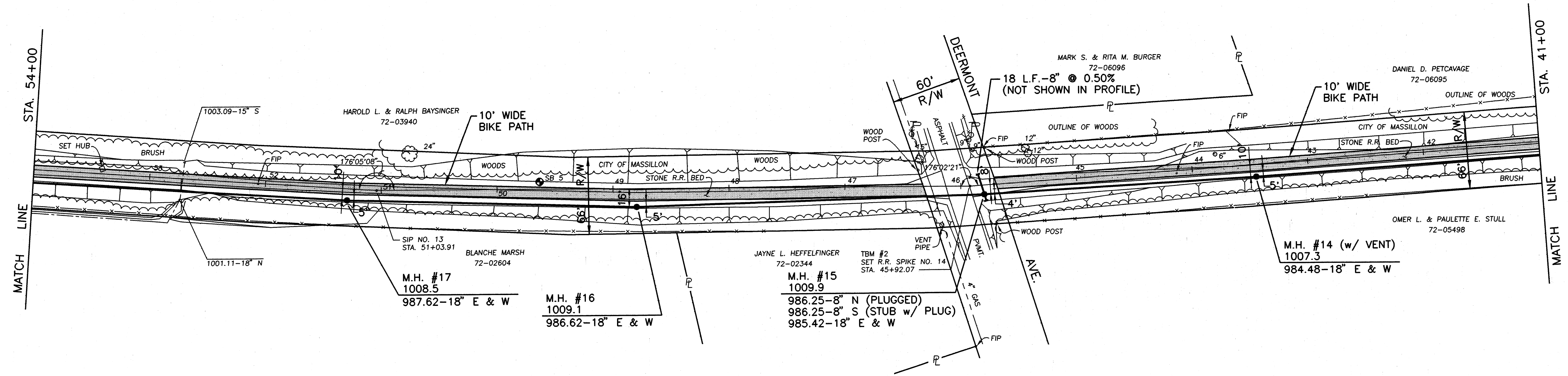
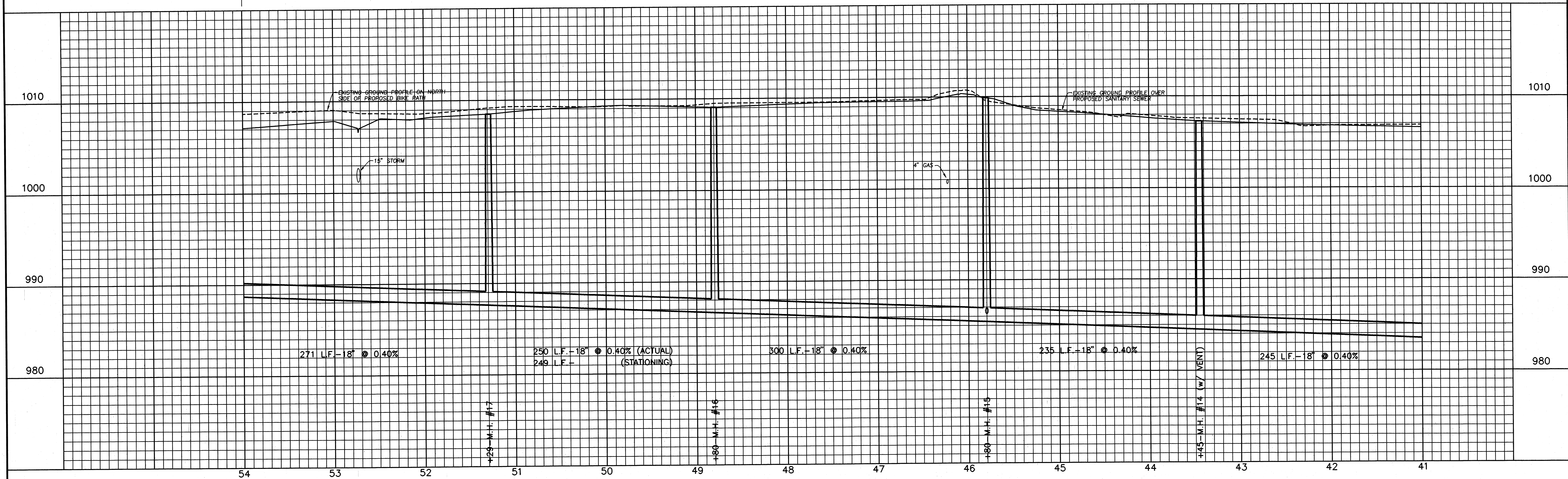
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 27+00 TO STA. 41+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER MLLUS003
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
4 OF 12



F.P.S. TEMPORARY BENCHMARK #2
SET R.R. SPIKE NO. 14 AT STA. 45+92.07 IN
EAST EDGE OF PAVEMENT AT DEERMONT AVENUE
EL. 1010.32

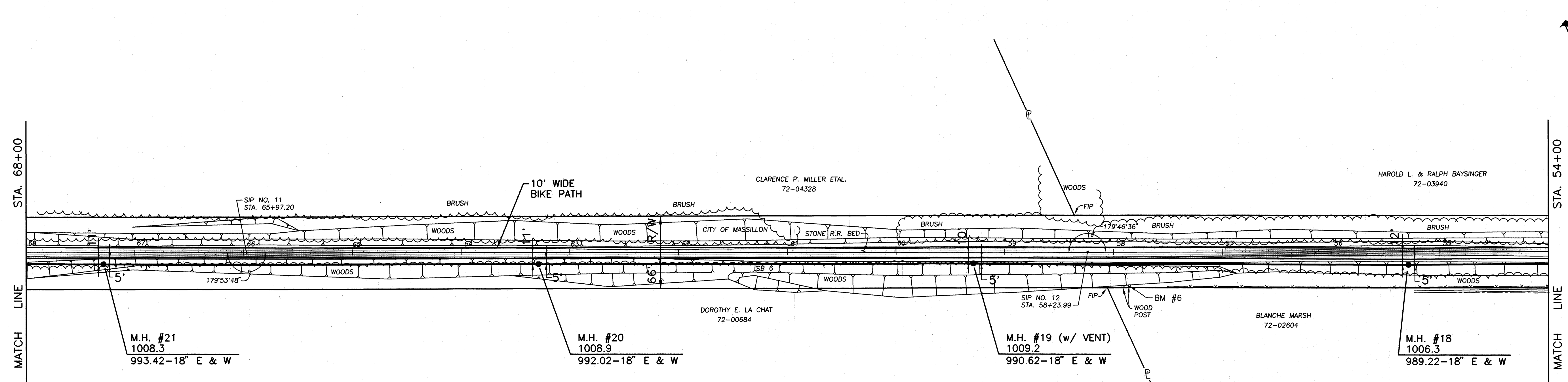
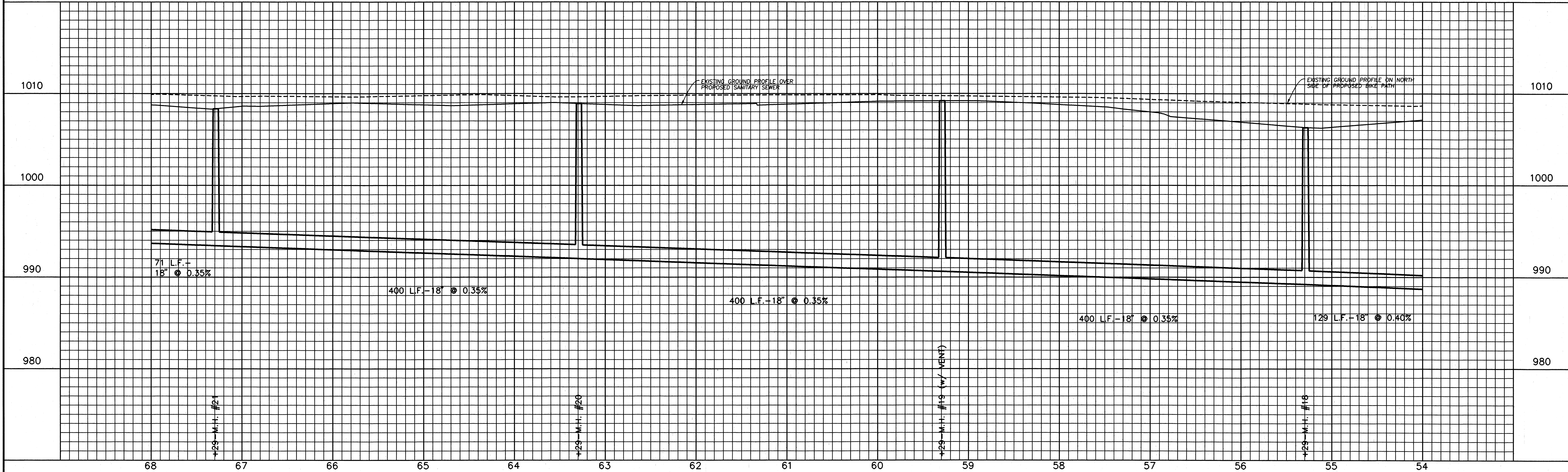
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 41+00 TO STA. 54+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER MLLUS004
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
5 OF 12



F.P.S. BENCHMARK #6
R.R. SPIKE SET IN WOOD POST ON
SOUTH RIGHT OF WAY @ STA. 58+00
EL. 1010.67

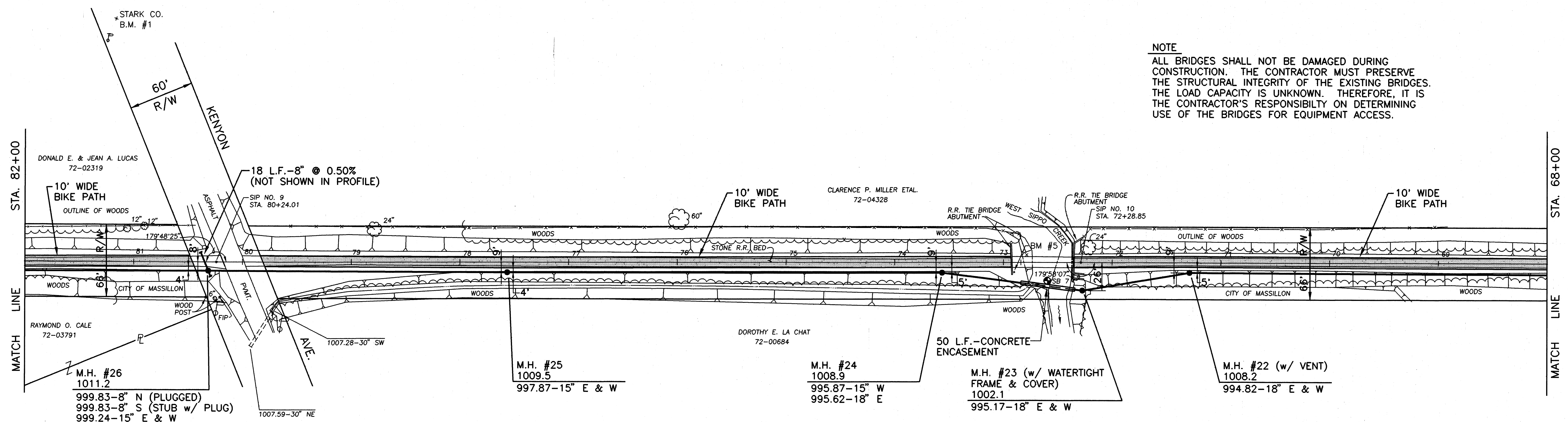
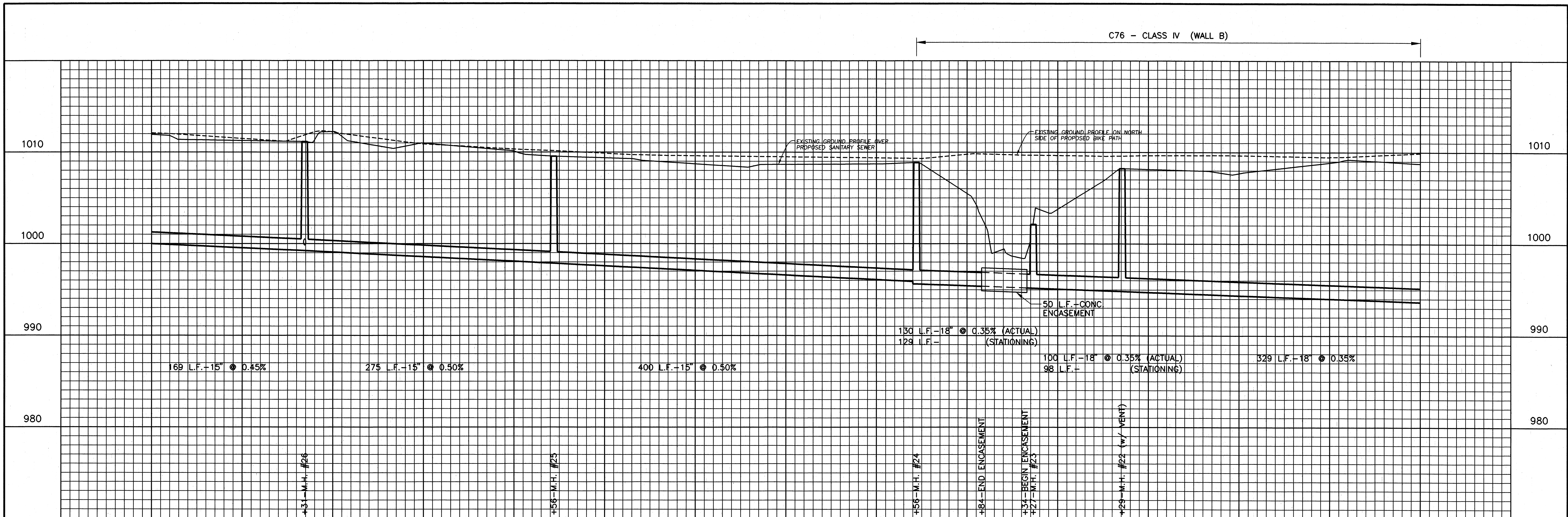
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 54+00 TO STA. 68+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER
MLLUS005
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
6 OF 12



STARK COUNTY BENCHMARK #1
DISC IN TOP OF CONCRETE WALL, S.W. CORNER
OF BRIDGE OVER CREEK AT KENYON AVENUE
(STAMPED EL. 1008.72)
FPS EL. 1007.83 (USED)

F.P.S. BENCHMARK #5
R.R. SPIKE SET IN S.W. CORNER
ABUTMENT OF BRIDGE #13-39
(± 4' BELOW R.R. BED)
EL. 1007.04

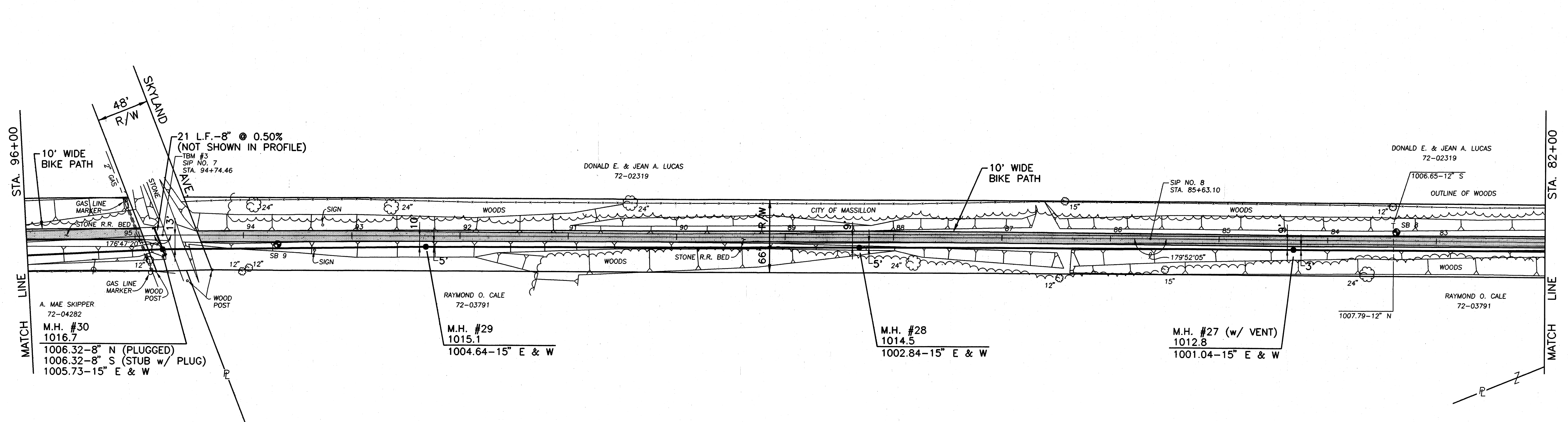
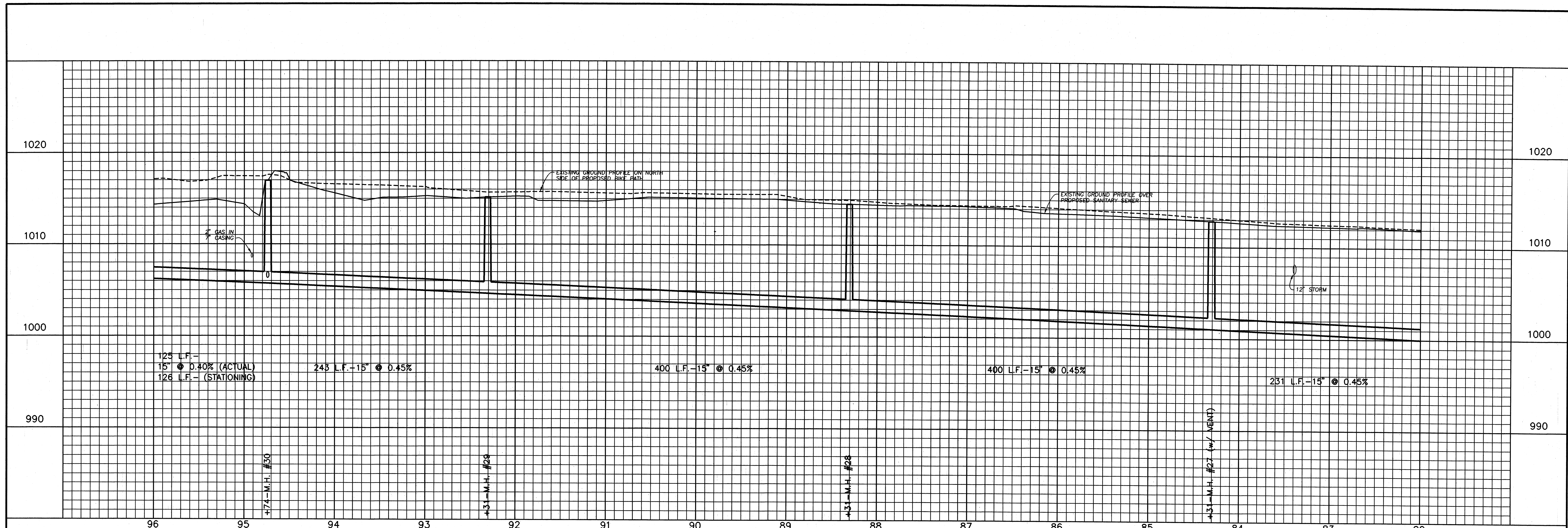
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 68+00 TO STA. 82+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER
MLLUS006
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
7 OF 12



F.P.S. TEMPORARY BENCHMARK #3
SET IRON PIN NO. 7 AT STA. 94+74.46
EL. 1017.66

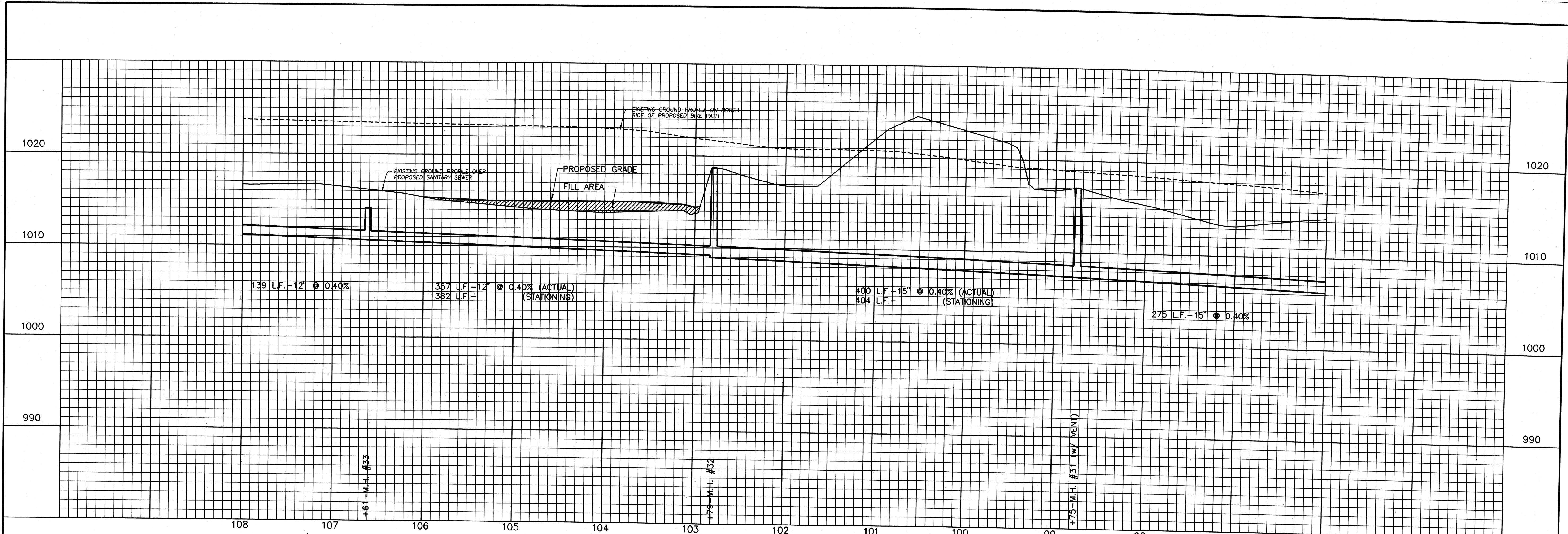
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

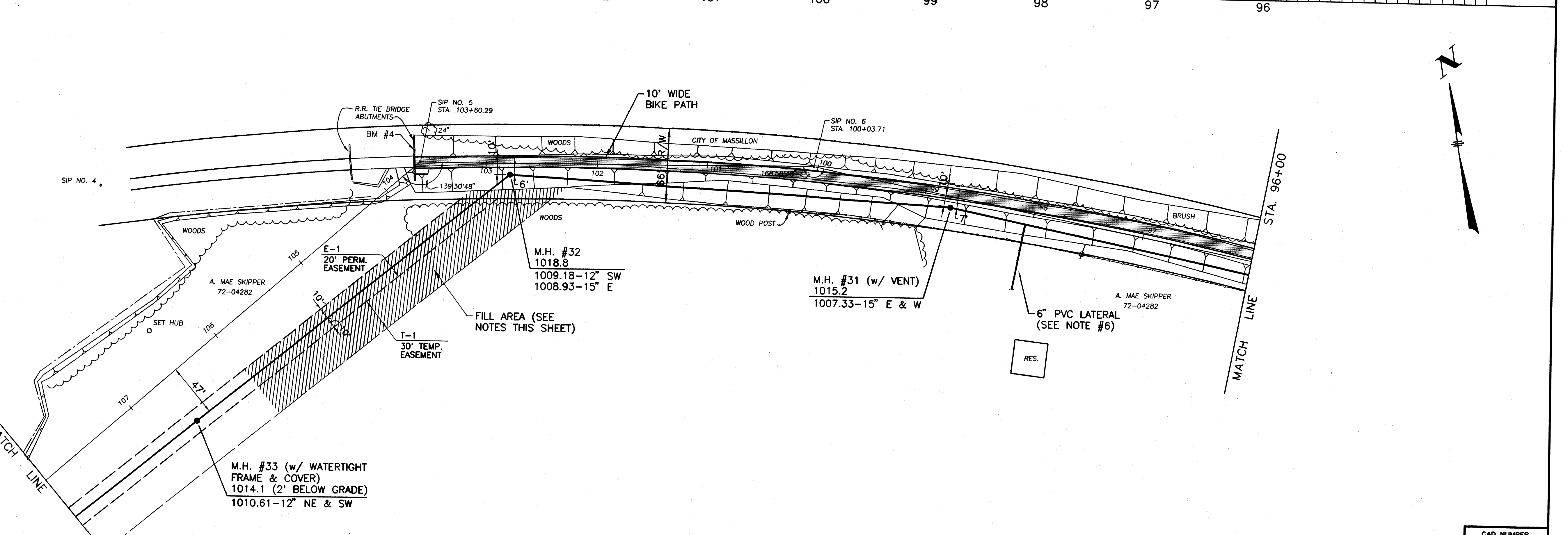
SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 82+00 TO STA. 96+00
WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER
MLLUS007
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
8 OF 12



- NOTES
1. CONTRACTOR TO GRADE EDGES OF FILL AREA TO MEET EXISTING GRADE AND PREVENT THE FORMATION OF LOW SPOTS AND PONDING.
 2. NO ADDITIONAL PAYMENT WILL BE MADE FOR HAULING OF FILL MATERIAL.
 3. CONTRACTOR TO REPAIR OR REPLACE FIELD TILE DAMAGED OR DESTROYED DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 02750 OF THE SPECIFICATIONS.
 4. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO THE CROPS FROM STATION 102+00 TO STATION 133+00. THE CONTRACTOR SHALL PAY THE FARMER \$550 PER ACRE OF LAND FOR CROPS UNABLE TO BE HARVESTED DUE TO CONSTRUCTION OF THE SANITARY SEWER. COST TO BE INCLUDED IN LINEAR FEET OF SANITARY SEWER. CONTRACTOR IS RESPONSIBLE TO ADHERE TO TERMS AND CONDITIONS OF EASEMENTS.
 5. ALL BRIDGES SHALL NOT BE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST PRESERVE THE STRUCTURAL INTEGRITY OF THE EXISTING BRIDGES. THE LOAD CAPACITY IS UNKNOWN. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY ON DETERMINING USE OF THE BRIDGES FOR EQUIPMENT ACCESS.
 6. THE 6" PVC LATERAL AT STA. 98+06 ± SHALL BE CONSTRUCTED BY THE CONTRACTOR TO THE RESIDENCE IN ORDER TO ABANDON THE EXISTING SEPTIC TANK. THE SEPTIC TANK SHALL BE PUMPED EMPTY, DEMOLISHED TO 3' BELOW GROUND SURFACE WITH THE REMAINDER OF THE TANK FILLED WITH SAND, IN ACCORDANCE WITH STARK COUNTY HEALTH DEPARTMENT REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GRADING, SEEDING AND RESTORATION ON THE PRIVATE PROPERTY AND SHALL FIELD VERIFY THE SEPTIC TANK LOCATION.



F.P.S. BENCHMARK #4
R.R. SPIKE IN ABUTMENT
N.E. CORNER OF BRIDGE 12-80
EL. 1020.71

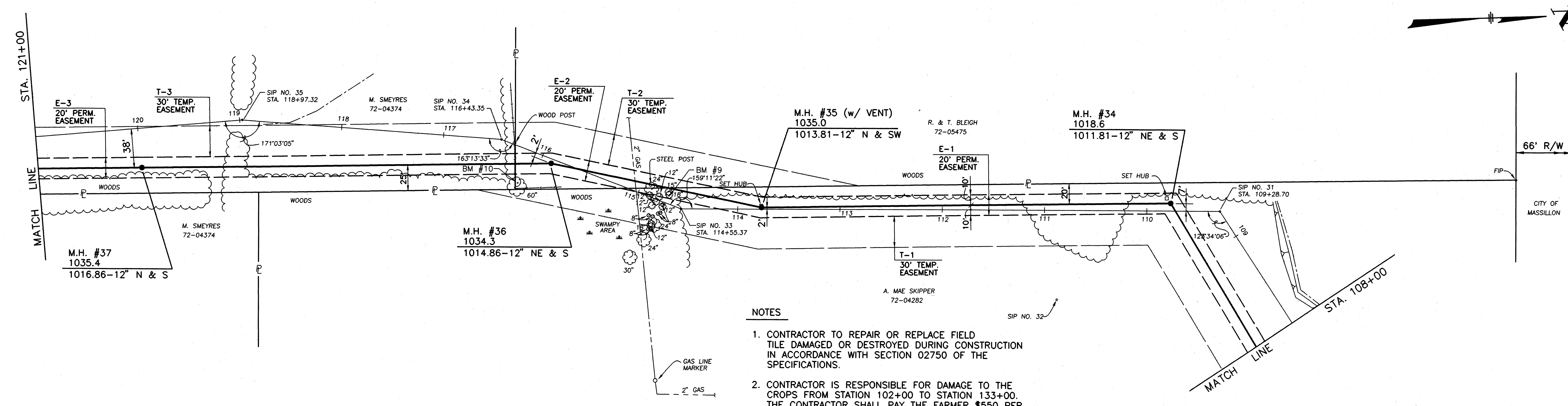
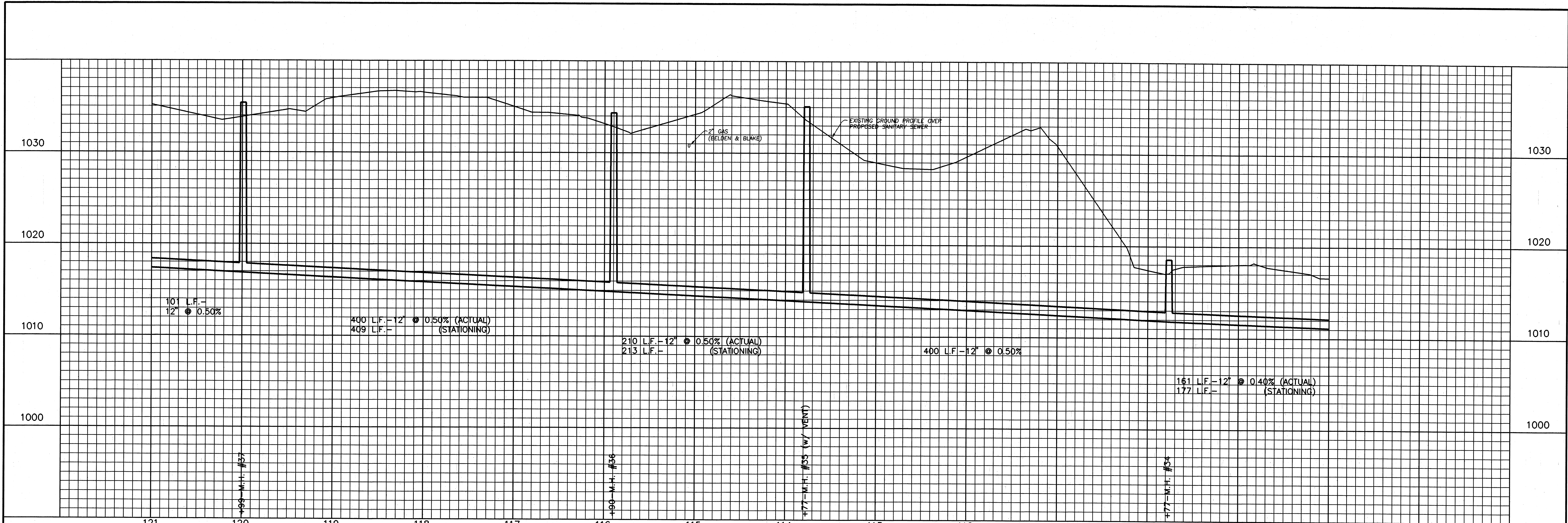
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & SROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
HORIZ. 1"=50' VERT. 1"=5'	S.L.W.	C.A.S.	G.G.A./J.L.O.

STA. 96+00 TO STA. 108+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER
MLLUS008
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
9 OF 12



- NOTES
1. CONTRACTOR TO REPAIR OR REPLACE FIELD TILE DAMAGED OR DESTROYED DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 02750 OF THE SPECIFICATIONS.
 2. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO THE CROPS FROM STATION 102+00 TO STATION 133+00. THE CONTRACTOR SHALL PAY THE FARMER \$550 PER ACRE OF LAND FOR CROPS UNABLE TO BE HARVESTED DUE TO CONSTRUCTION OF THE SANITARY SEWER. COST TO BE INCLUDED IN LINEAR FEET OF SANITARY SEWER. CONTRACTOR IS RESPONSIBLE TO ADHERE TO TERMS AND CONDITIONS OF EASEMENTS.

F.P.S. BENCHMARK #10
P.K. NAIL SET IN W. SIDE OF 60" OAK
TREE AT ± STA. 116+13.34' LT.
EL. 1035.65

F.P.S. BENCHMARK #9
P.K. NAIL SET IN E. SIDE OF 18"
TREE AT ± STA. 114+71.7' RT.
EL. 1037.27

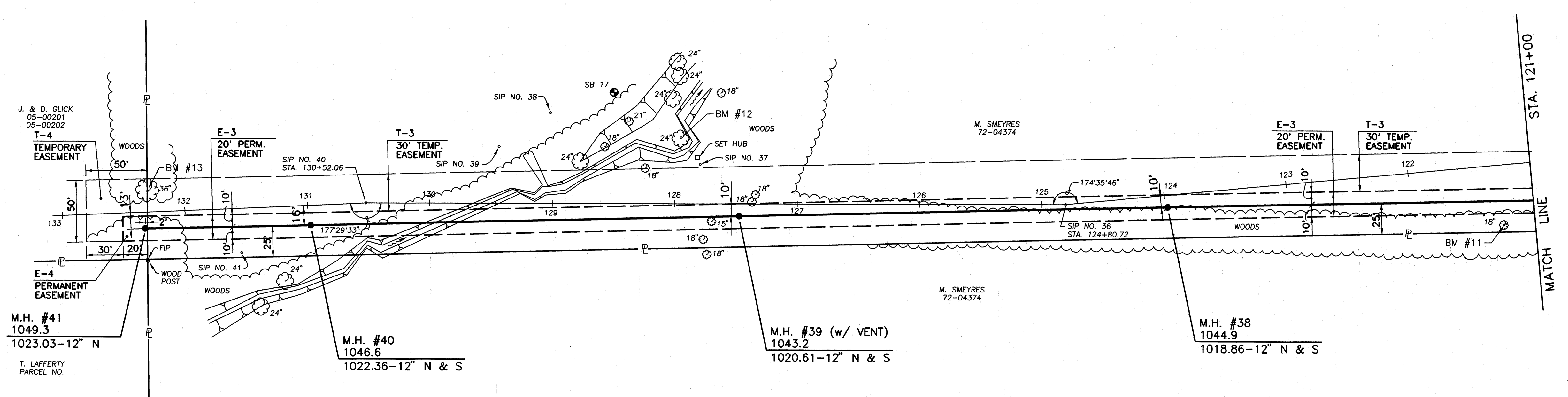
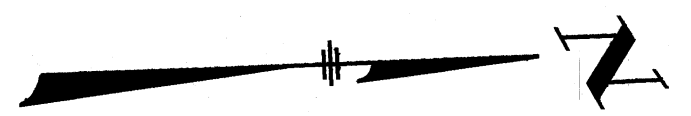
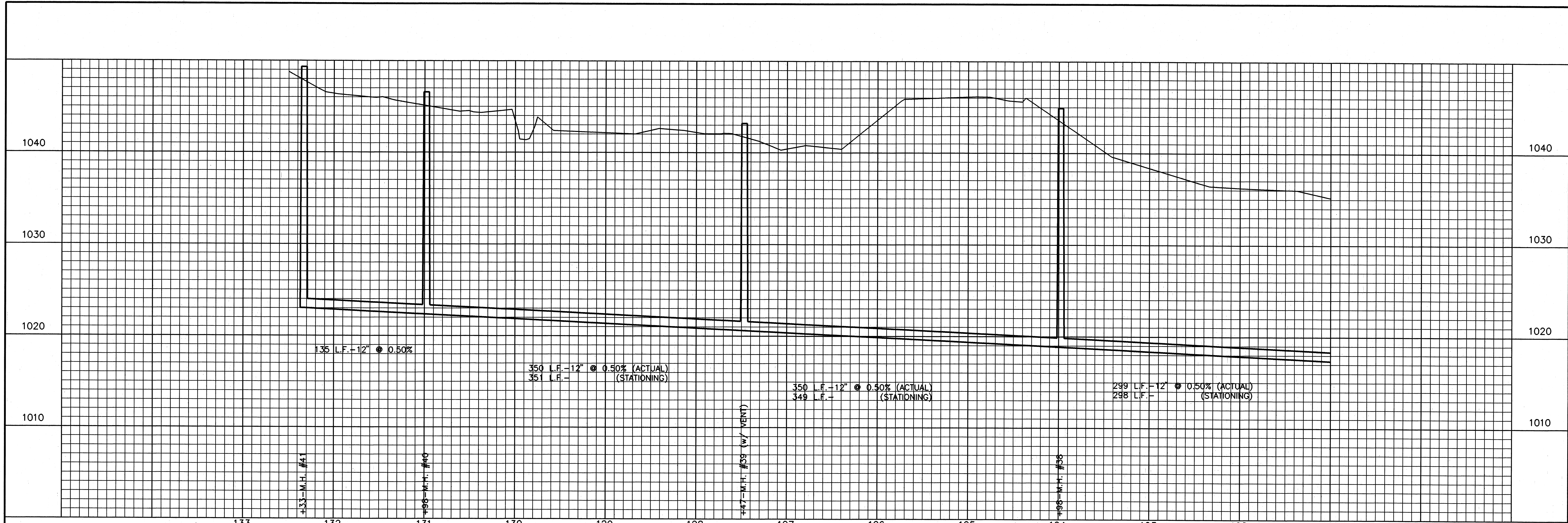
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & SROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 108+00 TO STA. 121+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER MLLUS009
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
10 OF 12



F.P.S. BENCHMARK #13
P.K. NAIL SET IN E. SIDE OF 36\"/>

F.P.S. BENCHMARK #12
P.K. NAIL SET IN W. SIDE OF 24\"/>

F.P.S. BENCHMARK #11
P.K. NAIL SET IN N.W. SIDE OF 18\"/>

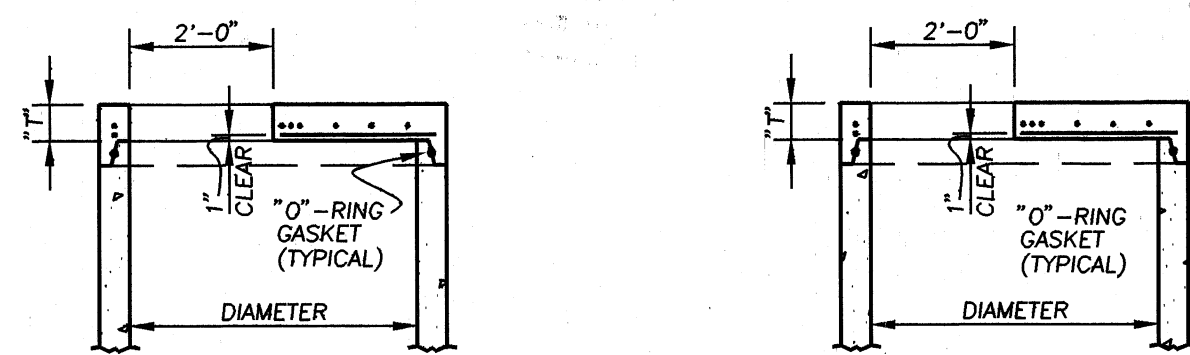
REV. NO.	DESCRIPTION	DATE	BY	APPD

FINKBEINER, PETTIS & SROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1\"/>

STA. 121+00 TO STA. 133+00
WEST MASSILLON TRUNK SEWER
MASSILLON, OHIO

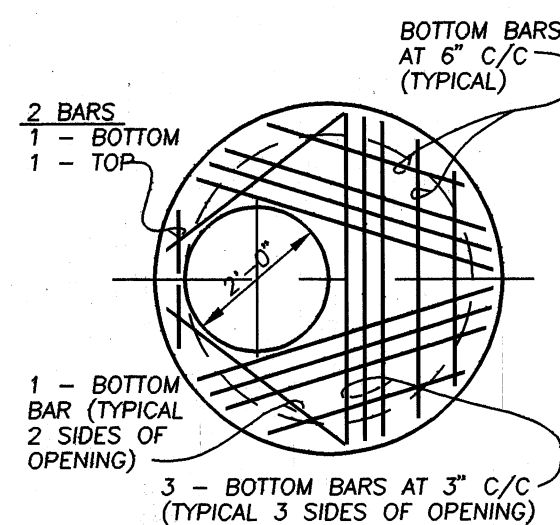
CAD NUMBER MLLUS010
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
11 OF 12



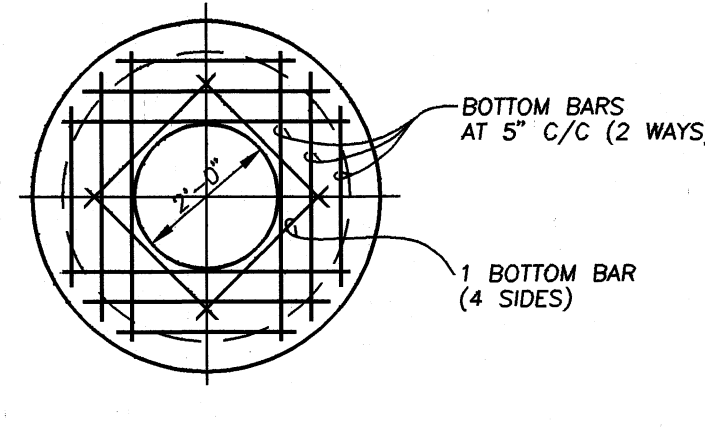
SECTION
PRECAST
TOP SLAB

MANHOLE TOP SLAB SCHEDULE *			
MARK	DIAMETER	MINIMUM "T"	REINFORCING BAR SIZE
#33	4'-0"	6"	# 4

* IF DISTANCE FROM TOP OF FRAME TO TOP OF PIPE PENETRATION IS GREATER THAN 4'-4", A PRECAST ECCENTRIC CONE TOP MUST BE USED.



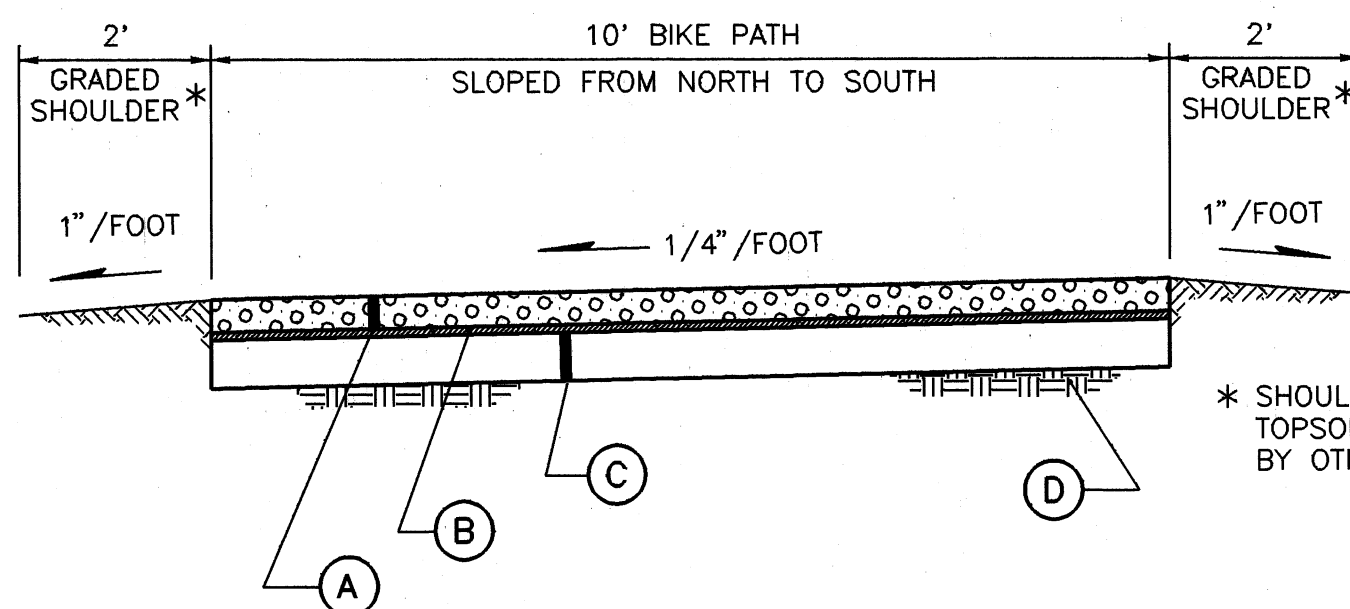
PLAN



PLAN

MANHOLE TOP SLAB DETAILS

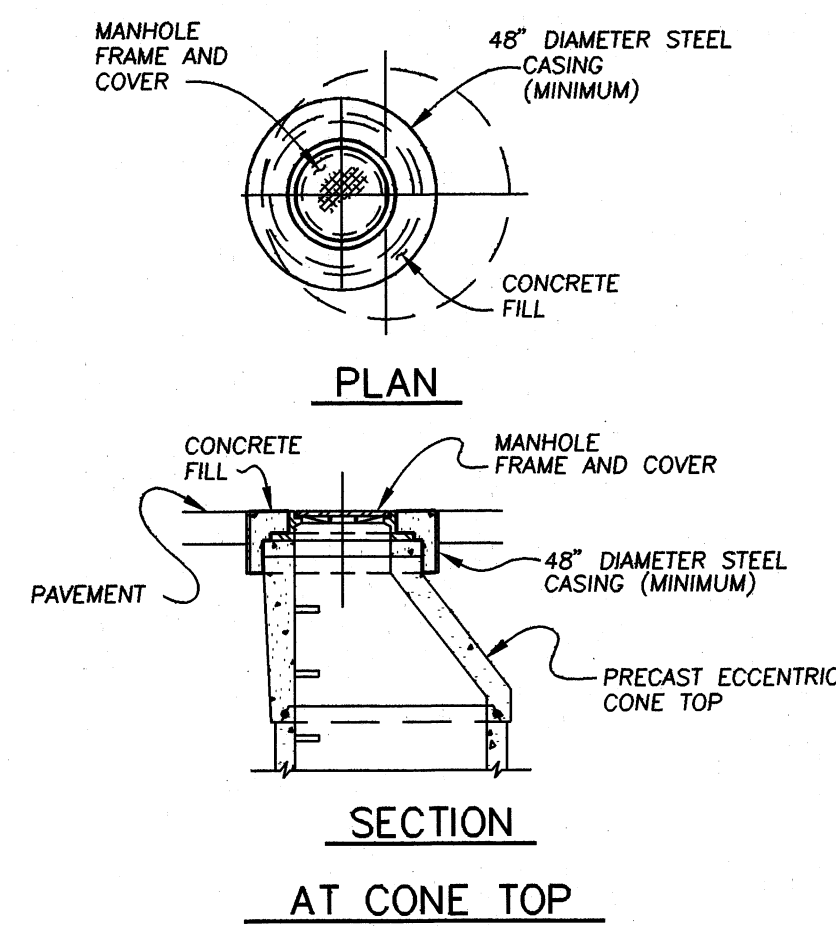
3/8" = 1'-0"



BIKE PATH TYPICAL SECTION

NO SCALE

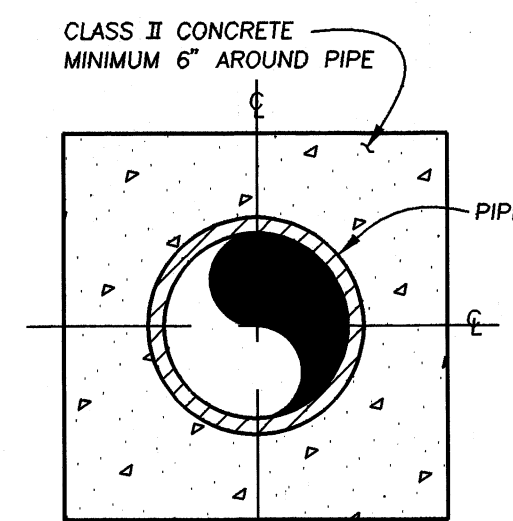
- (A) ODOT ITEM 411-1 1/2" THICK STABILIZED CRUSHED AGGREGATE
- (B) ODOT ITEM 408-PRIME COAT
- (C) ODOT ITEM 304-6" THICK AGGREGATE BASE
- (D) ODOT ITEM 203-SUBGRADE COMPACTION



SECTION
AT CONE TOP

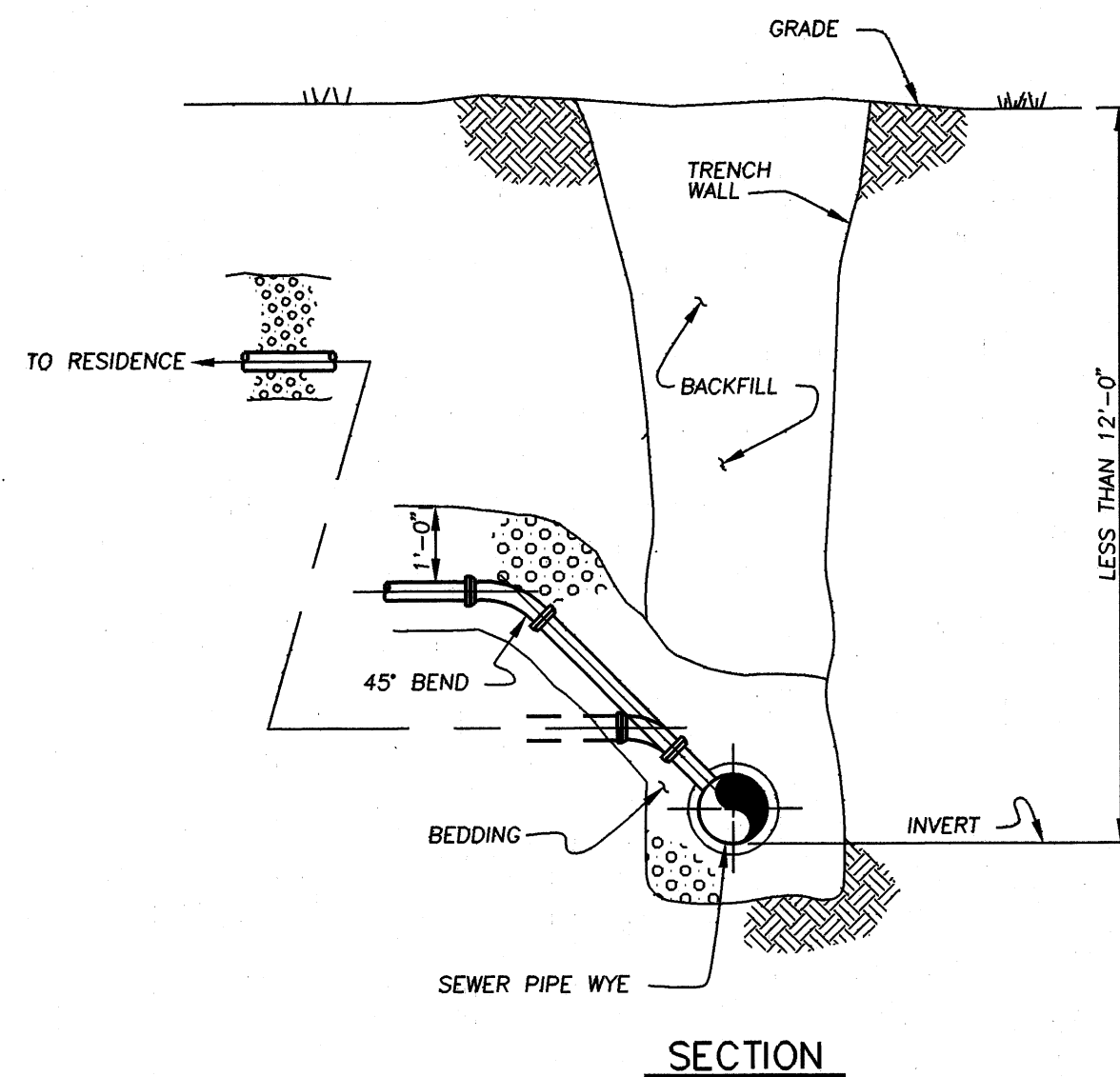
MANHOLE FRAME ENCASUREMENT DETAILS

1/4" = 1'-0"



SECTION
CONCRETE ENCASUREMENT DETAIL

NO SCALE



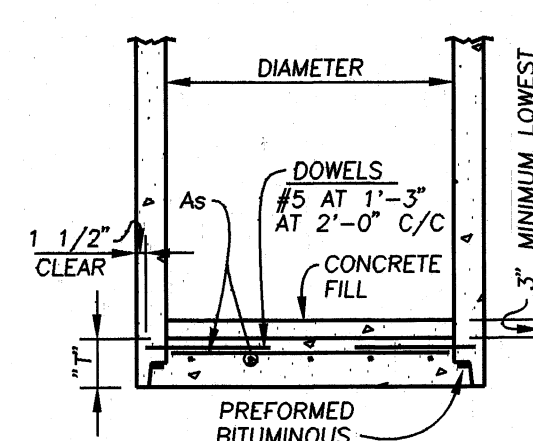
SECTION

SANITARY SERVICE CONNECTIONS

NO SCALE

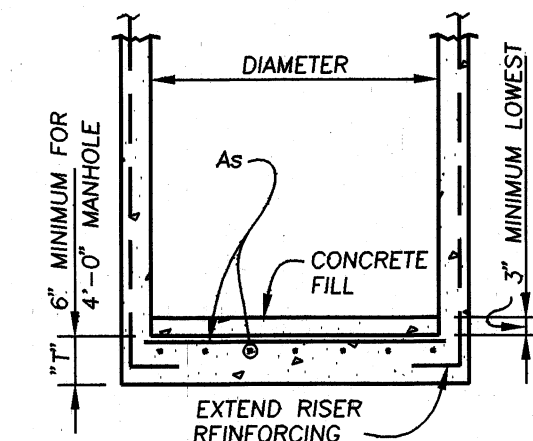
MANHOLE BOTTOM SLAB SCHEDULE			
MARK	DIAMETER	MINIMUM "T"	MINIMUM "E"
#2	4'-0"	8"	4"
#1	5'-0"	8"	6"

NOTE: PLACE BOTTOM SLAB STEEL REINFORCEMENT IN TOP OF SLAB WITH 1 1/2" CONCRETE COVER.



SECTION

INTEGRAL PRECAST
BOTTOM SLAB AND
BOTTOM RISER
(CAST IN SEPARATE
OPERATIONS)



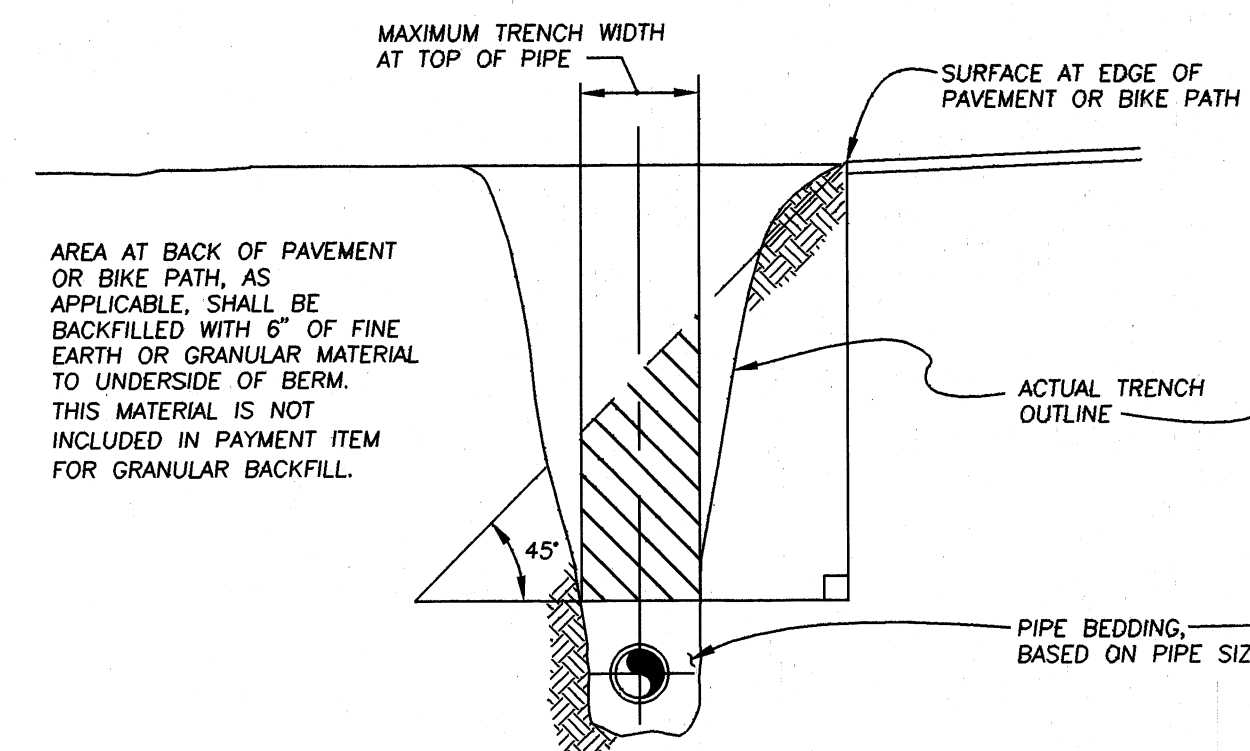
SECTION

MONOLITHIC BOTTOM SLAB
AND BOTTOM RISER

BASE RISER SECTION WITH INTEGRAL FLOOR

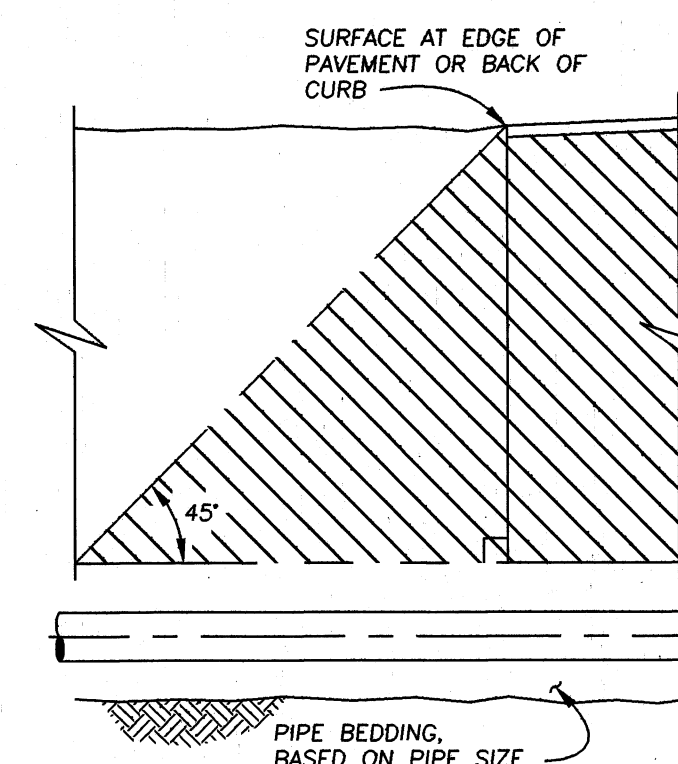
MANHOLE BOTTOM SLAB DETAILS

3/8" = 1'-0"



SECTION
OUTSIDE PAVEMENT

CROSSING PAVEMENT WITHIN MAXIMUM TRENCH WIDTH

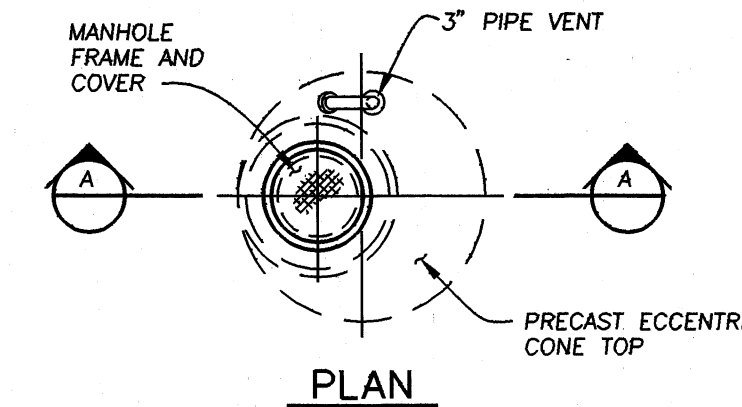
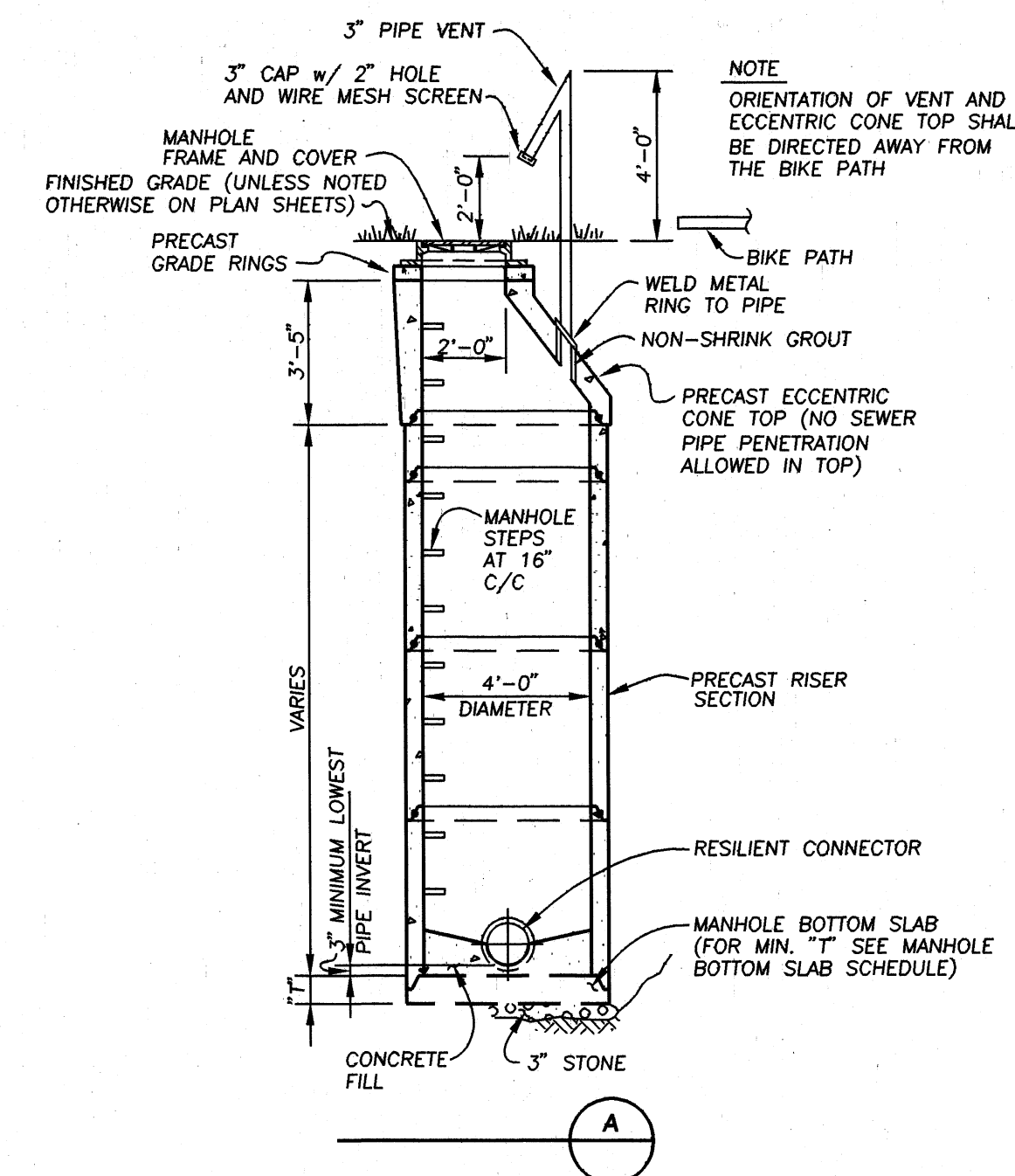


SECTION
INSIDE PAVEMENT

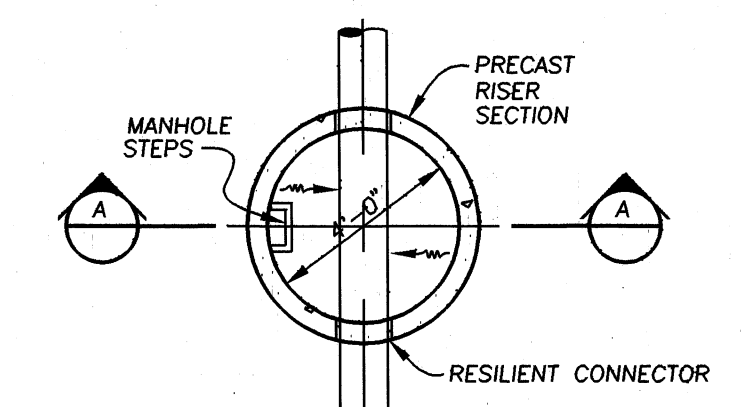
CROSSING PAVEMENT WITHIN MAXIMUM TRENCH WIDTH

GRANULAR BACKFILL

NO SCALE



PLAN

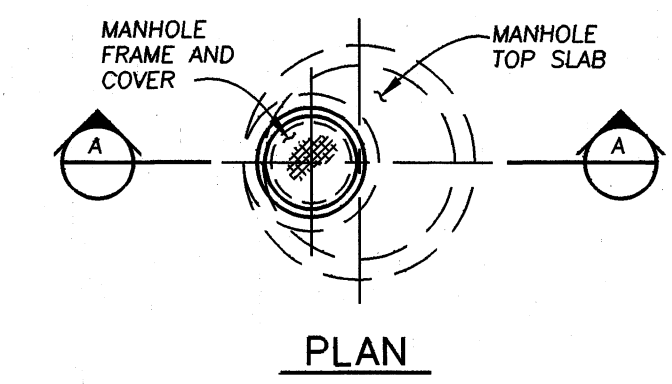


SECTIONAL PLAN

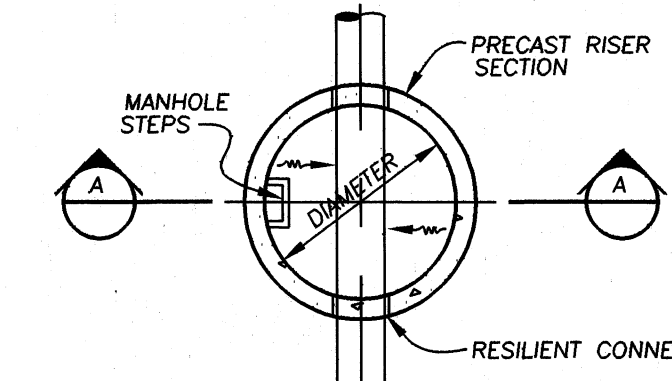
NOTES: PRECAST SECTIONS ("O"-RING) AND RESILIENT CONNECTORS ARE TO BE USED UNLESS OTHERWISE SPECIFIED.
NOT ALL MANHOLES REQUIRE THE 3" VENT SHOWN. REFER TO THE PLAN SHEETS FOR LOCATIONS OF MANHOLES WHICH ARE TO BE VENTED.

MANHOLE DETAILS

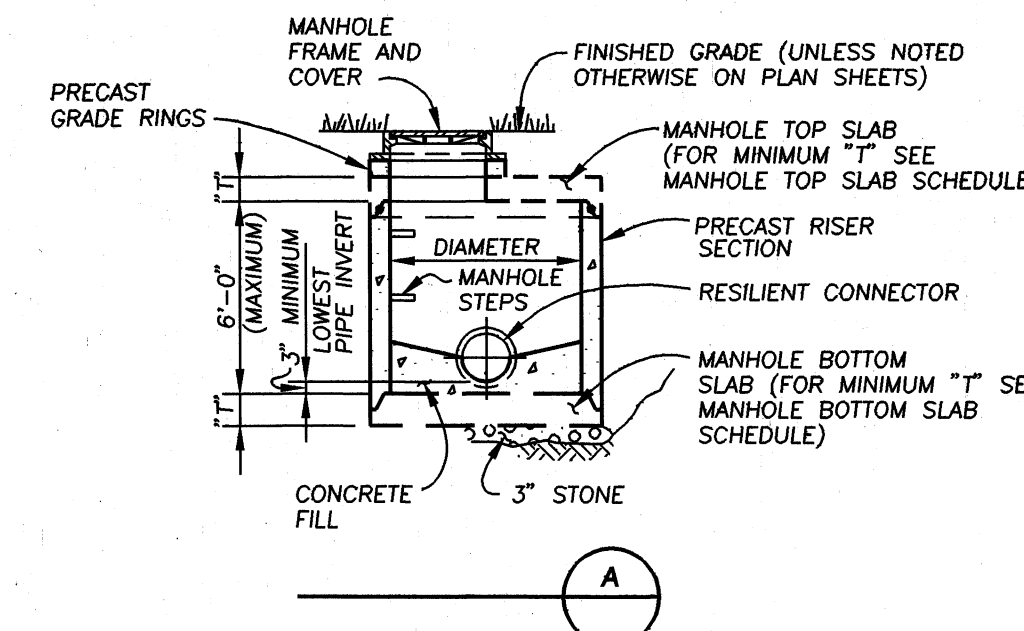
1/4" = 1'-0"



PLAN



SECTIONAL PLAN



NOTE: PRECAST SECTIONS ("O"-RING) AND RESILIENT CONNECTORS ARE TO BE USED UNLESS OTHERWISE SPECIFIED.

SHALLOW MANHOLE DETAILS

1/4" = 1'-0"

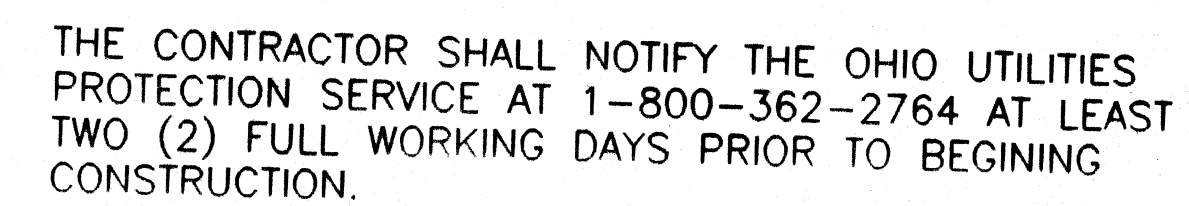
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE AS NOTED
DESIGNED BY S.L.W.
DRAWN BY C.A.S.
CHECKED BY G.G.A./J.L.O.

DETAILS
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER MLLDS001
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
12 OF 12



1 JAMES DUNCAN PLAZA
MASSILLON, OHIO 44646

MR. JIM BENEKOS, P.E., P.S. (330) 830-1722

4725 SOUTHWAY STREET N.W.
CANTON OHIO 44706-1936

MR. MARK WETZEL (330) 478-3144

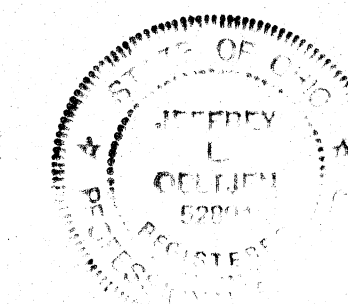
3323 MAGNOLIA ROAD
MAGNOLIA, OHIO 44643

MR. SCOTT KIMBROUGH (330) 866-5551



FINKBEINER, PETTIS AND STROUT, INC.
AKRON, OHIO

1996



Alan W. Climer
DIRECTOR OF PUBLIC SERVICE AND SAFETY

Michael Amoside
STARK COUNTY SANITARY ENGINEER

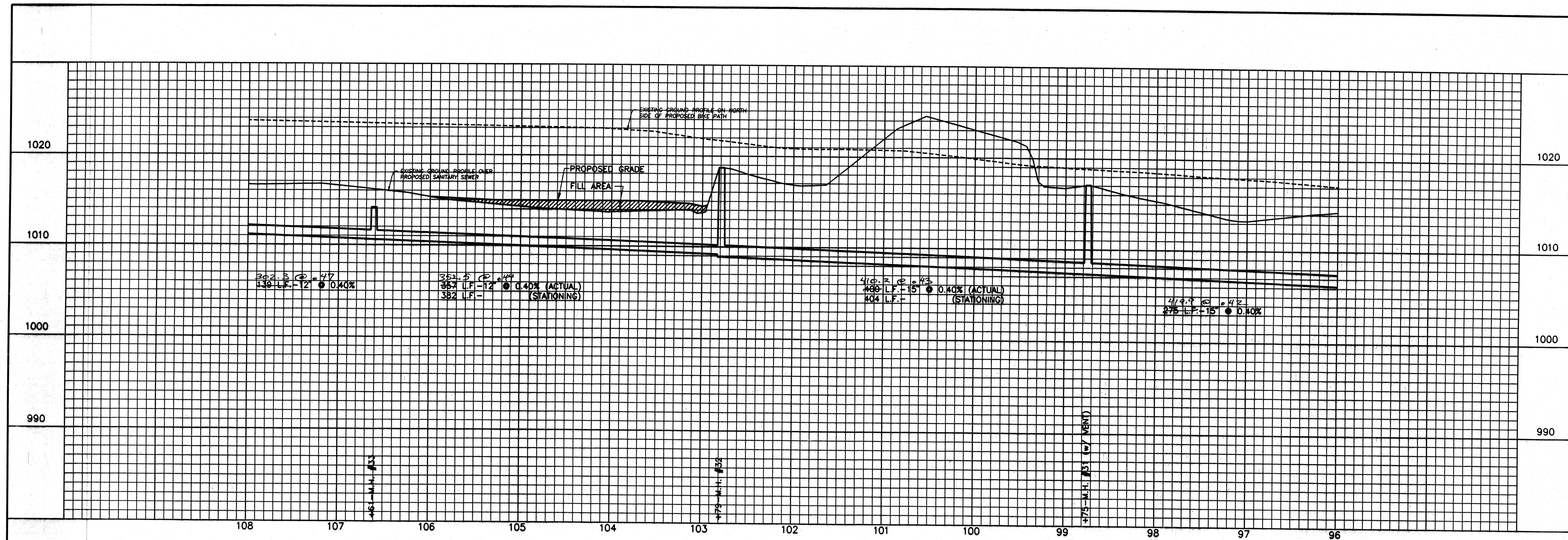
9-23-96
DATE

9/13/96
DATE

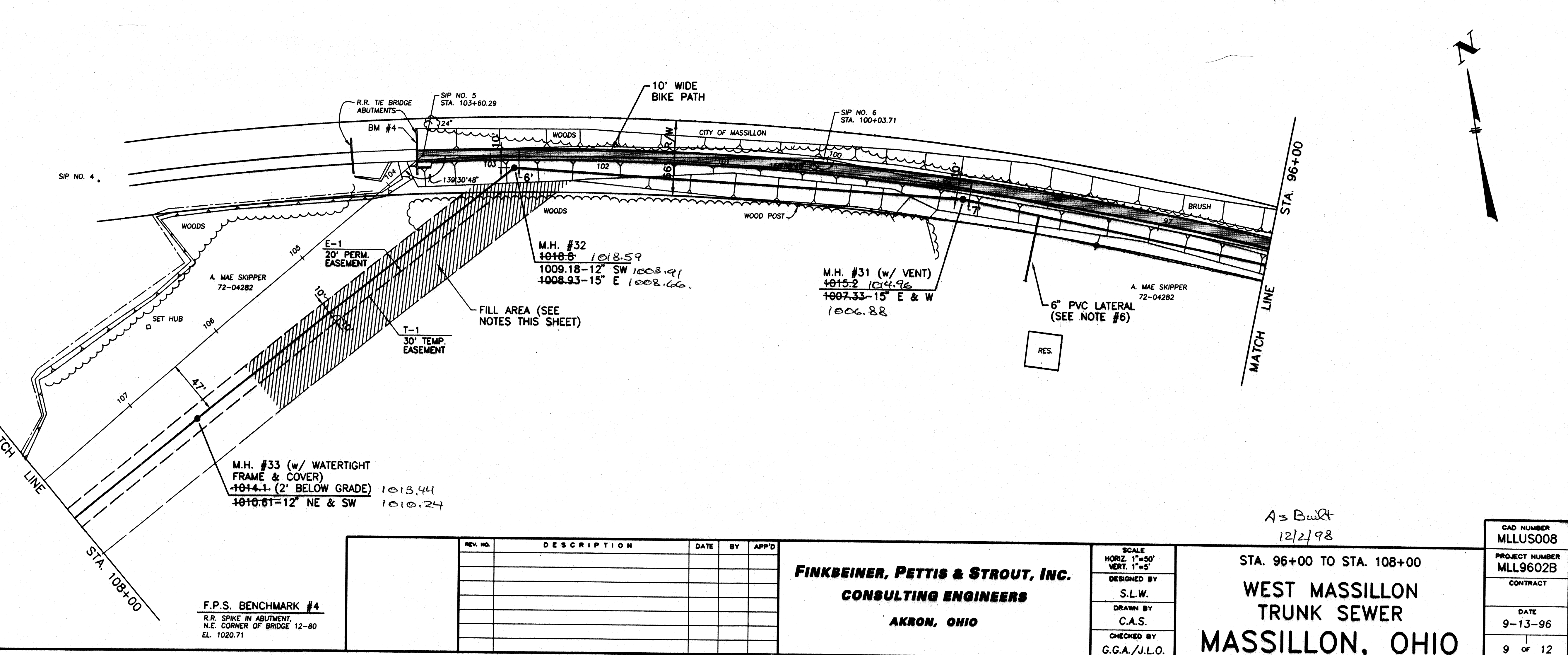
James J. Benekos
CITY ENGINEER

9/17/96
DATE

12/2/98



- NOTES**
- CONTRACTOR TO GRADE EDGES OF FILL AREA TO MEET EXISTING GRADE AND PREVENT THE FORMATION OF LOW SPOTS AND PONDING.
 - NO ADDITIONAL PAYMENT WILL BE MADE FOR HAULING OF FILL MATERIAL.
 - CONTRACTOR TO REPAIR OR REPLACE FIELD TILE DAMAGED OR DESTROYED DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 02750 OF THE SPECIFICATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO THE CROPS FROM STATION 102+00 TO STATION 133+00. THE CONTRACTOR SHALL PAY THE FARMER \$550 PER ACRE OF LAND FOR CROPS UNABLE TO BE HARVESTED DUE TO CONSTRUCTION OF THE SANITARY SEWER. COST TO BE INCLUDED IN LINEAR FEET OF SANITARY SEWER. CONTRACTOR IS RESPONSIBLE TO ADHERE TO TERMS AND CONDITIONS OF EASEMENTS.
 - ALL BRIDGES SHALL NOT BE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST PRESERVE THE STRUCTURAL INTEGRITY OF THE EXISTING BRIDGES. THE LOAD CAPACITY IS UNKNOWN. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY ON DETERMINING USE OF THE BRIDGES FOR EQUIPMENT ACCESS.
 - THE 6" PVC LATERAL AT STA. 98+06 ± SHALL BE CONSTRUCTED BY THE CONTRACTOR TO THE RESIDENCE IN ORDER TO ABANDON THE EXISTING SEPTIC TANK. THE SEPTIC TANK SHALL BE PUMPED EMPTY, DEMOLISHED TO 3' BELOW GROUND SURFACE WITH THE REMAINDER OF THE TANK FILLED WITH SAND, IN ACCORDANCE WITH STARK COUNTY HEALTH DEPARTMENT REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GRADING, SEEDING AND RESTORATION ON THE PRIVATE PROPERTY AND SHALL FIELD VERIFY THE SEPTIC TANK LOCATION.



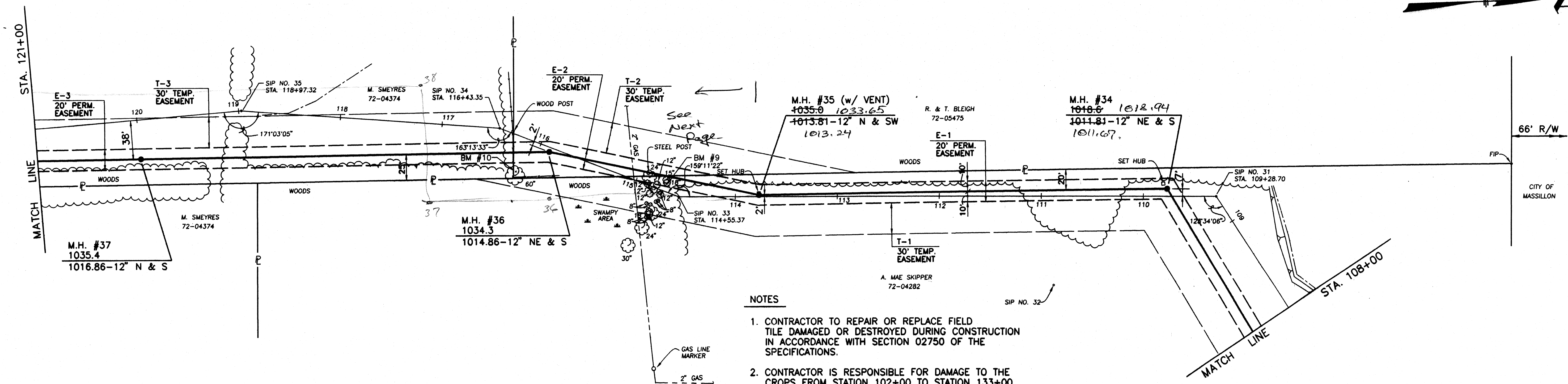
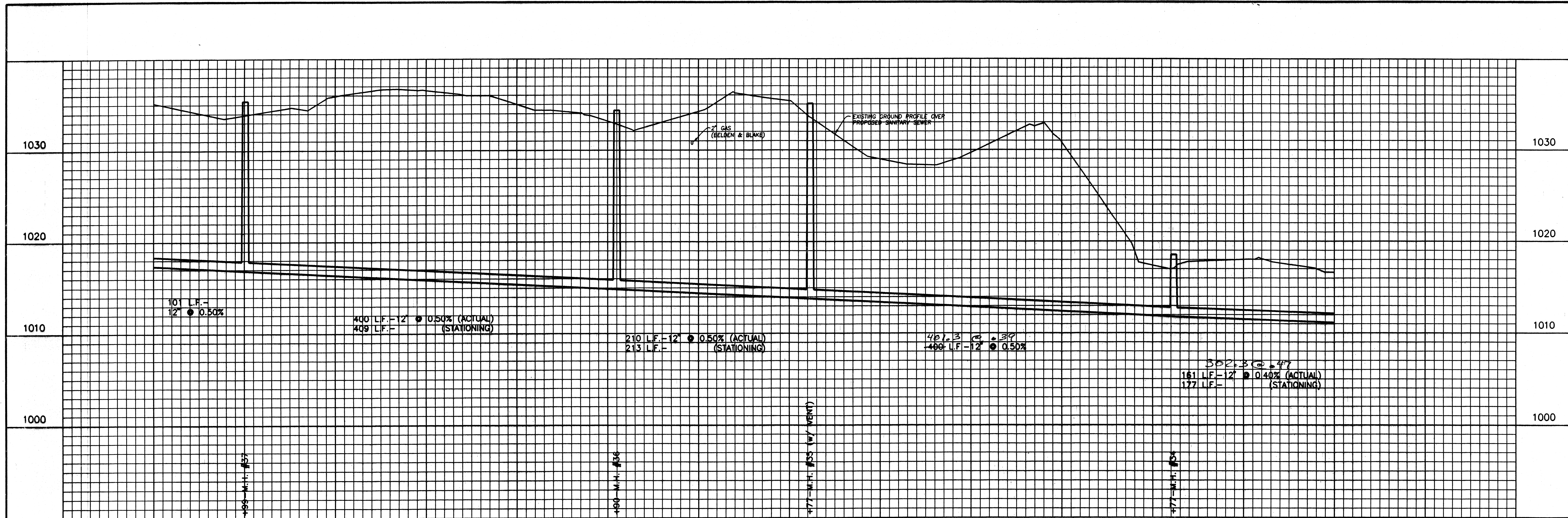
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
 HORIZ. 1"=50'
 VERT. 1"=5'
 DESIGNED BY
 S.L.W.
 DRAWN BY
 C.A.S.
 CHECKED BY
 G.G.A./J.L.O.

STA. 96+00 TO STA. 108+00
WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER
 MLLUS008
 PROJECT NUMBER
 MLL9602B
 CONTRACT
 DATE
 9-13-96
 9 OF 12



NOTES

- CONTRACTOR TO REPAIR OR REPLACE FIELD TILE DAMAGED OR DESTROYED DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 02750 OF THE SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO THE CROPS FROM STATION 102+00 TO STATION 133+00. THE CONTRACTOR SHALL PAY THE FARMER \$550 PER ACRE OF LAND FOR CROPS UNABLE TO BE HARVESTED DUE TO CONSTRUCTION OF THE SANITARY SEWER. COST TO BE INCLUDED IN LINEAR FEET OF SANITARY SEWER. CONTRACTOR IS RESPONSIBLE TO ADHERE TO TERMS AND CONDITIONS OF EASEMENTS.

F.P.S. BENCHMARK #10
P.K. NAIL SET IN W. SIDE OF 60' OAK
TREE AT ± STA. 116+13.34' LT.
EL. 1035.65

F.P.S. BENCHMARK #9
P.K. NAIL SET IN E. SIDE OF 18'
TREE AT ± STA. 114+71.7' RT.
EL. 1037.27

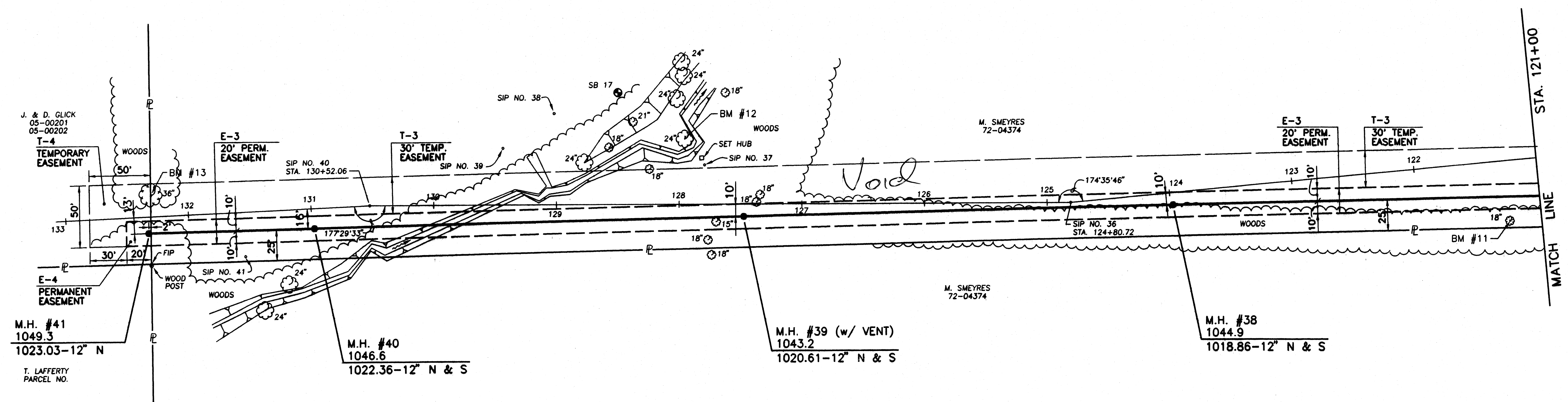
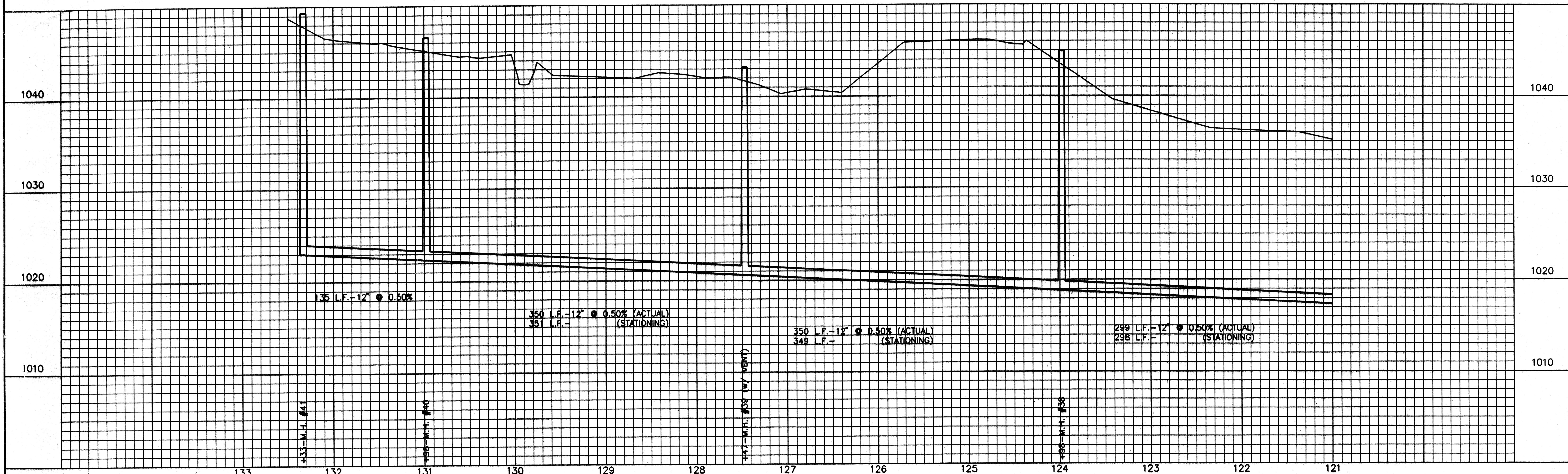
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE HORIZ. 1"=50' VERT. 1"=5'
DESIGNED BY S.L.W.
DRAWN BY C.A.S.
CHECKED BY G.G.A./J.L.O.

STA. 108+00 TO STA. 121+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER MLLUS009
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
10 of 12



F.P.S. BENCHMARK #13
P.K. NAIL SET IN E. SIDE OF 36" TREE AT STA. 132+30, 17' RT. EL. 1050.49

F.P.S. BENCHMARK #12
P.K. NAIL SET IN W. SIDE OF 24" OAK TREE AT STA. 127+95, 52' RT. EL. 1039.98

F.P.S. BENCHMARK #11
P.K. NAIL SET IN N.W. SIDE OF 18" TREE AT STA. 121+25, 50' LT. EL. 1037.33

REV. NO.	DESCRIPTION	DATE	BY	APP'D

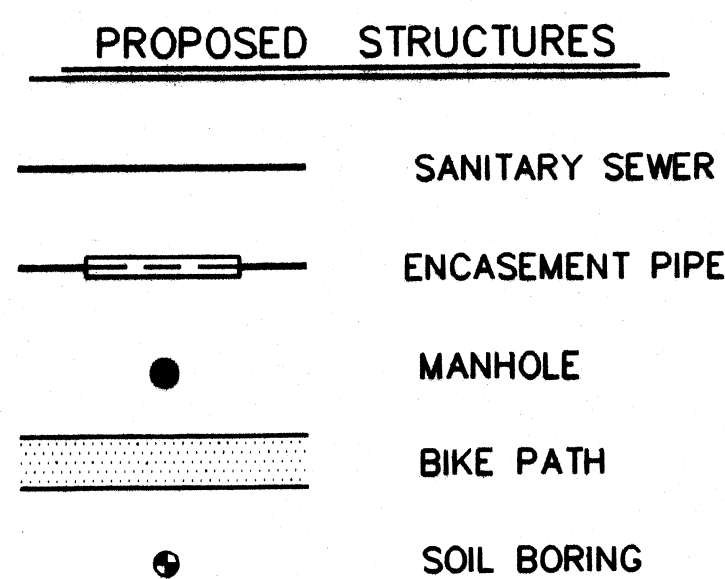
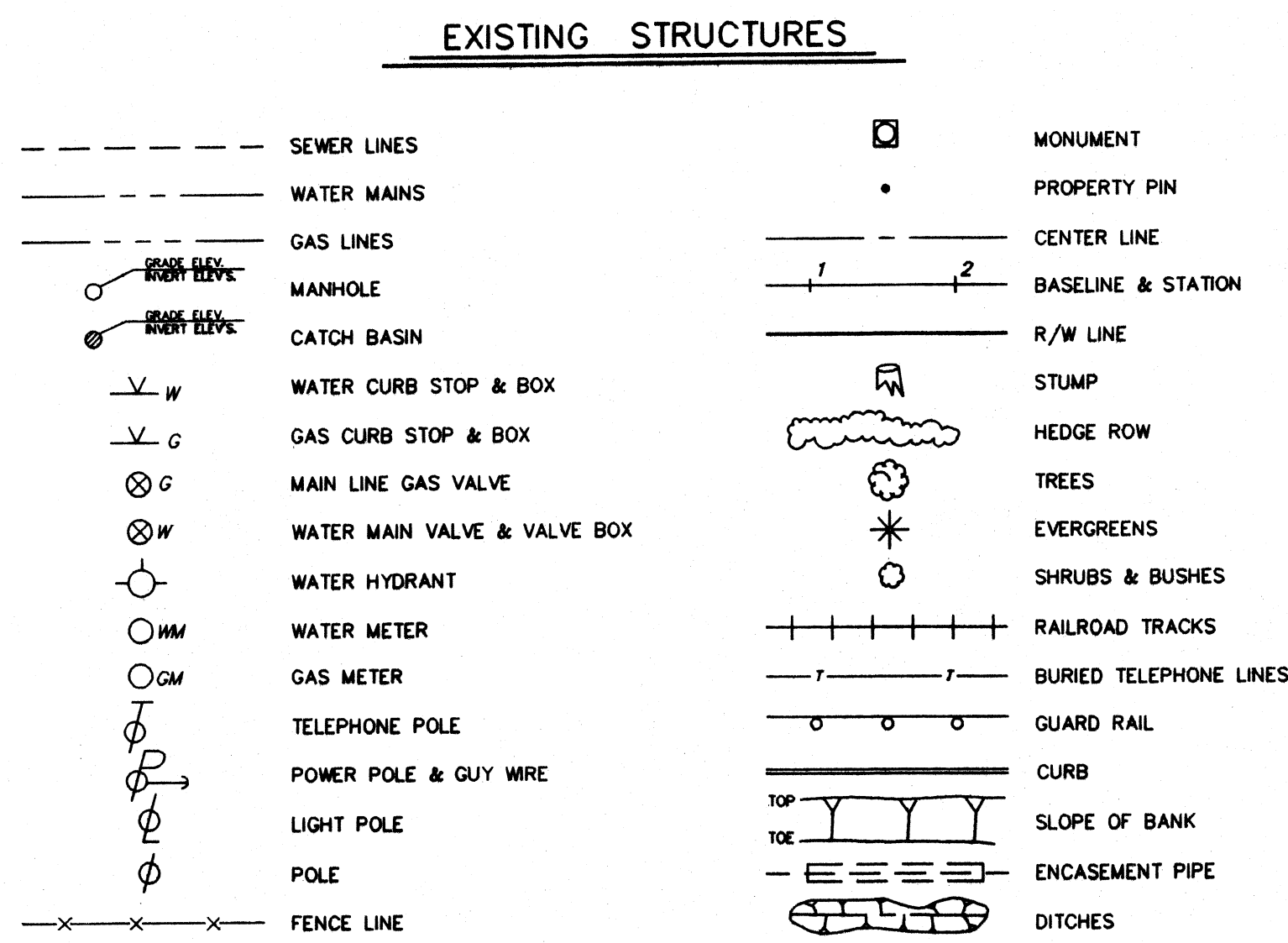
FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

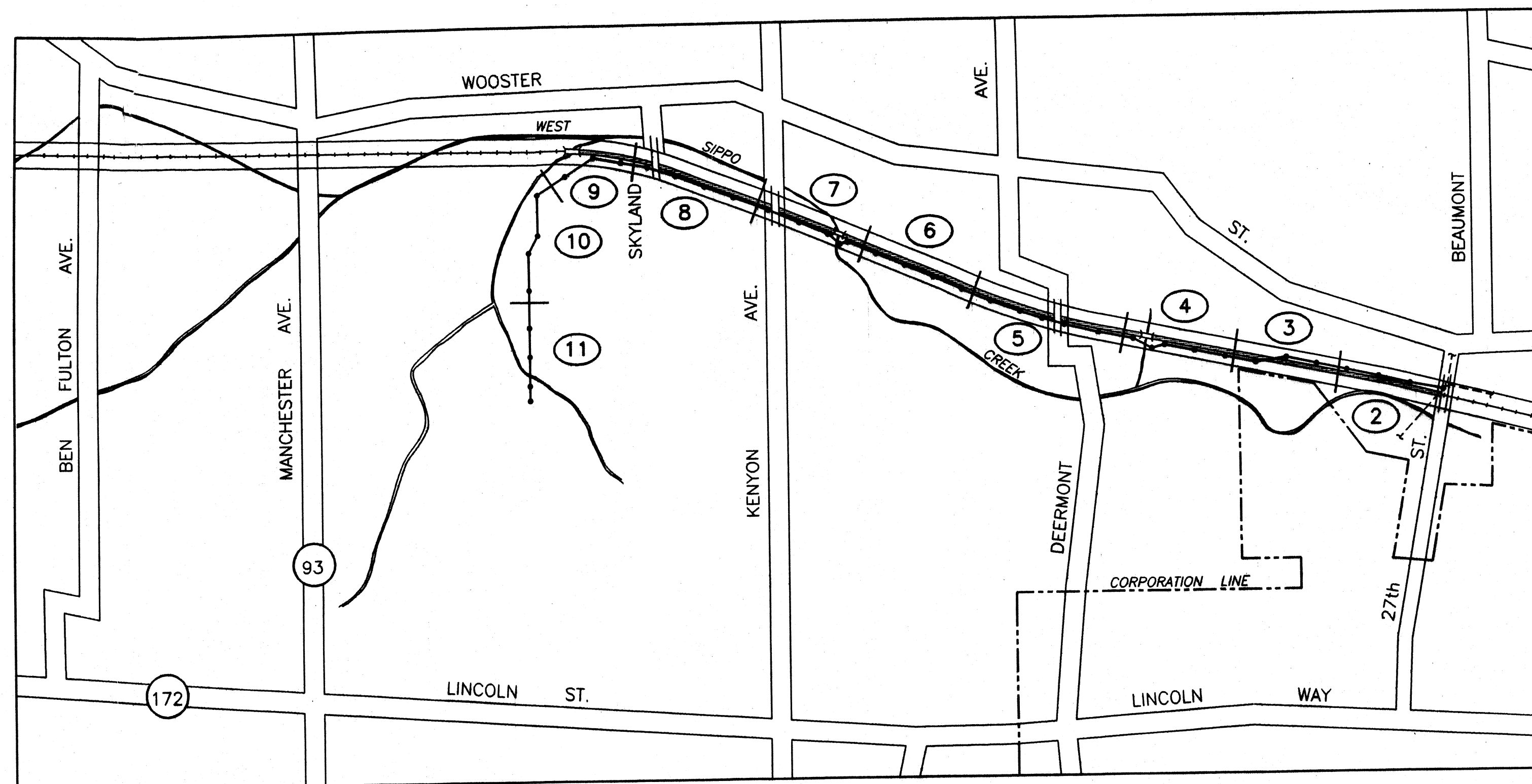
STA. 121+00 TO STA. 133+00
WEST MASSILLON TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER MLLUS010
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
11 of 12

As Bldg
12/2/98



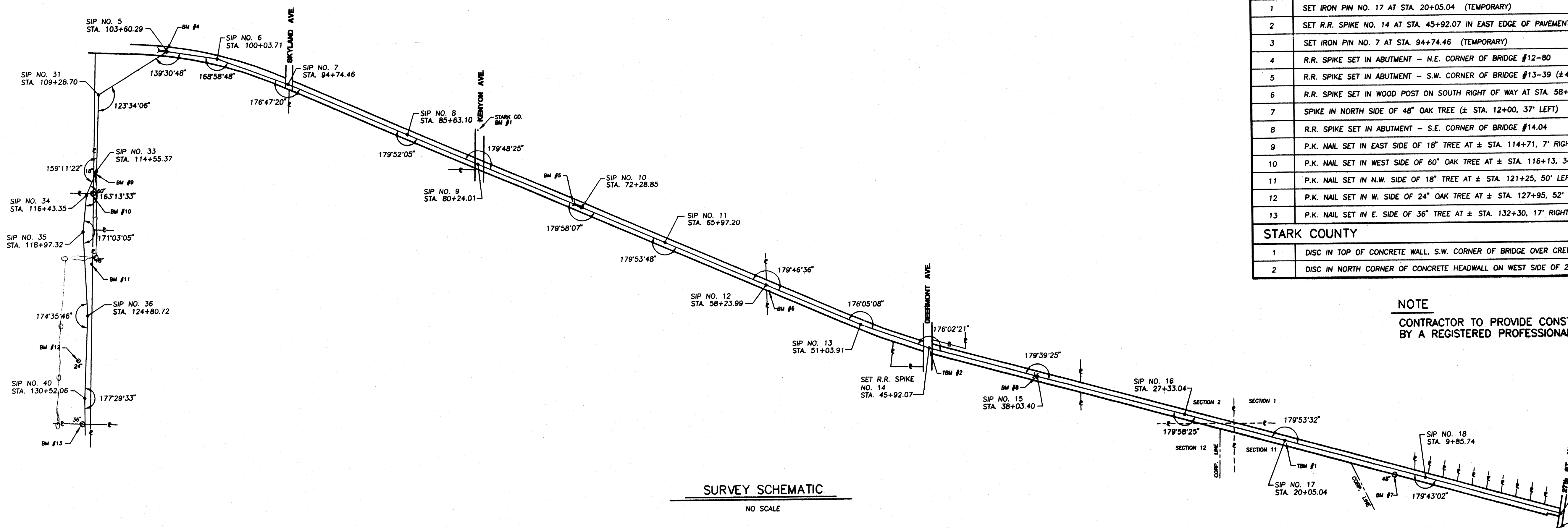
NOTE
ROOF DRAINS, FOUNDATION DRAINS AND OTHER
CLEAN WATER CONNECTIONS TO THE SANITARY
SEWER SYSTEM ARE PROHIBITED.



SHEET INDEX

BENCHMARKS		
FINKBEINER, PETTIS & SROUT, INC.		
NO.	DESCRIPTION	ELEVATION
1	SET IRON PIN NO. 17 AT STA. 20+05.04 (TEMPORARY)	997.17
2	SET R.R. SPIKE NO. 14 AT STA. 45+92.07 IN EAST EDGE OF PAVEMENT AT DEERMONT AVE. (TEMPORARY)	1010.32
3	SET IRON PIN NO. 7 AT STA. 94+74.46 (TEMPORARY)	1017.66
4	R.R. SPIKE SET IN ABUTMENT - N.E. CORNER OF BRIDGE #12-80	1020.71
5	R.R. SPIKE SET IN ABUTMENT - S.W. CORNER OF BRIDGE #13-39 (± 4' BELOW R.R. BED)	1007.04
6	R.R. SPIKE SET IN WOOD POST ON SOUTH RIGHT OF WAY AT STA. 58+00	1010.67
7	SPIKE IN NORTH SIDE OF 48" OAK TREE (± STA. 12+00, 37' LEFT)	1005.73
8	R.R. SPIKE SET IN ABUTMENT - S.E. CORNER OF BRIDGE #14.04	1005.73
9	P.K. NAIL SET IN EAST SIDE OF 18" TREE AT ± STA. 114+71, 7' RIGHT	1037.27
10	P.K. NAIL SET IN WEST SIDE OF 60" OAK TREE AT ± STA. 116+13, 34' LEFT	1035.65
11	P.K. NAIL SET IN N.W. SIDE OF 18" TREE AT ± STA. 121+25, 50' LEFT	1037.33
12	P.K. NAIL SET IN W. SIDE OF 24" OAK TREE AT ± STA. 127+95, 52' RIGHT	1039.98
13	P.K. NAIL SET IN E. SIDE OF 36" TREE AT ± STA. 132+30, 17' RIGHT	1050.49
STARK COUNTY		
1	DISC IN TOP OF CONCRETE WALL, S.W. CORNER OF BRIDGE OVER CREEK AT KENYON AVE.	1007.83 (USED)
2	DISC IN NORTH CORNER OF CONCRETE HEADWALL ON WEST SIDE OF 27th STREET	1008.72 (STAMPED)
		981.77

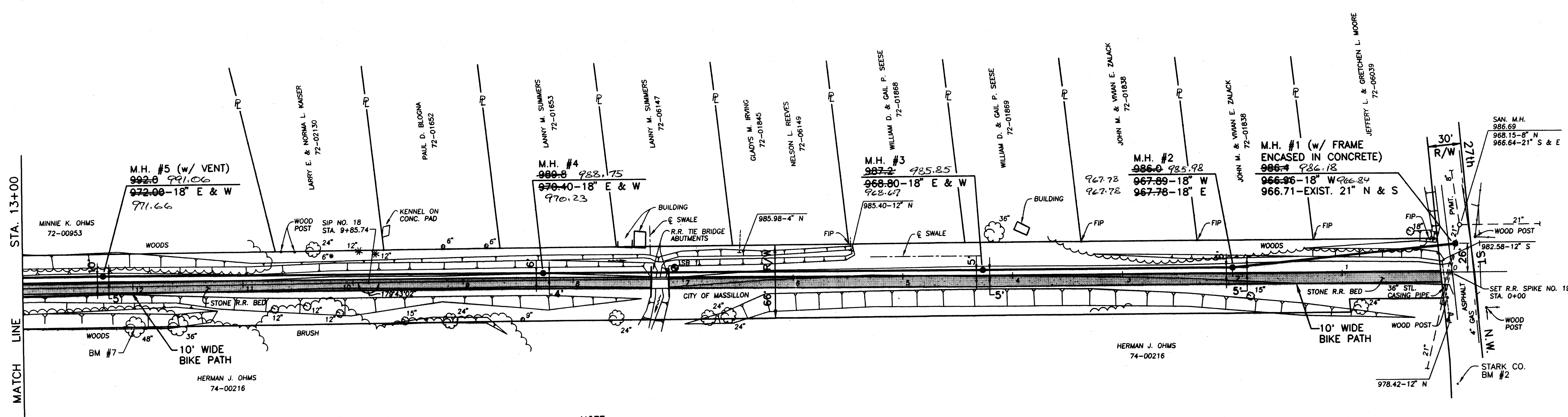
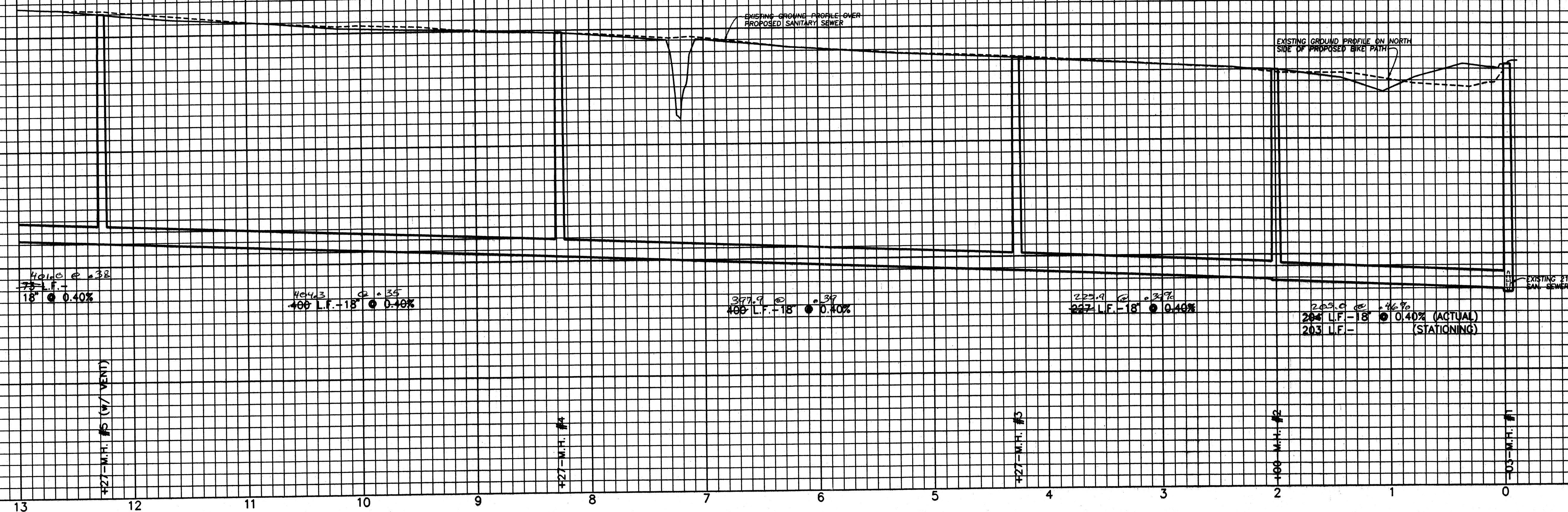
NOTE
CONTRACTOR TO PROVIDE CONSTRUCTION STAKING
BY A REGISTERED PROFESSIONAL SURVEYOR



SURVEY SCHEMATIC
NO SCALE

REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & SROUT, INC.		SCALE AS NOTED	SHEET INDEX, SYMBOLS AND SURVEY SCHEMATIC
CONSULTING ENGINEERS		DESIGNED BY S.L.W.	
AKRON, OHIO		DRAWN BY C.A.S.	
		CHECKED BY G.G.A./J.L.O.	
			WEST MASSILLON TRUNK SEWER MASSILLON, OHIO
			DATE 9-13-96
			1 OF 12



NOTE

ALL BRIDGES SHALL NOT BE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST PRESERVE THE STRUCTURAL INTEGRITY OF THE EXISTING BRIDGES. THE LOAD CAPACITY IS UNKNOWN. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY ON DETERMINING USE OF THE BRIDGES FOR EQUIPMENT ACCESS.

F.P.S. BENCHMARK #7
SPIKE IN NORTH SIDE OF 48" OAK
TREE (± STA. 12+00, 37' LEFT)
EL. 1005.73

STARK COUNTY BENCHMARK #2
DISC IN N. CORNER OF CONCRETE HEADWALL
ON WEST SIDE OF 27th STREET
EL. 981.77

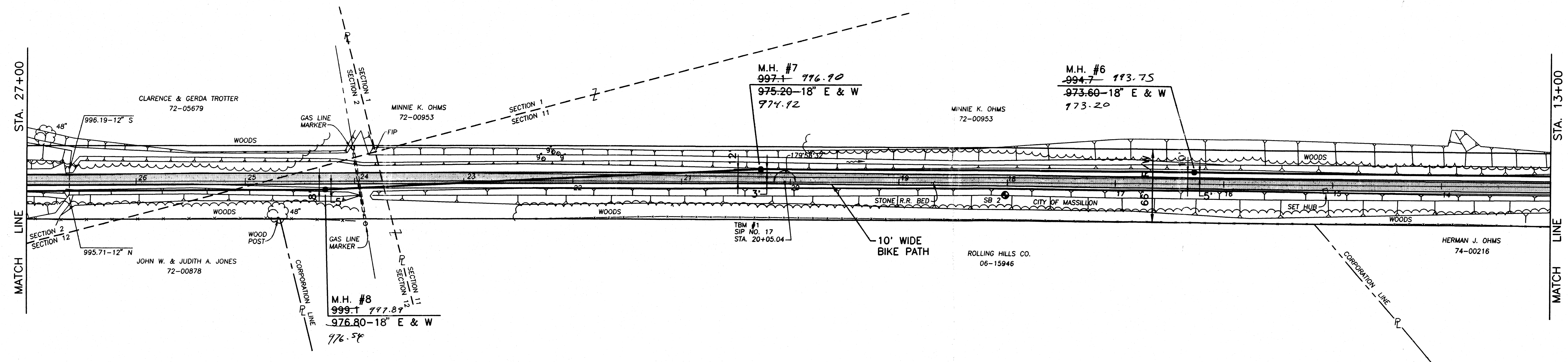
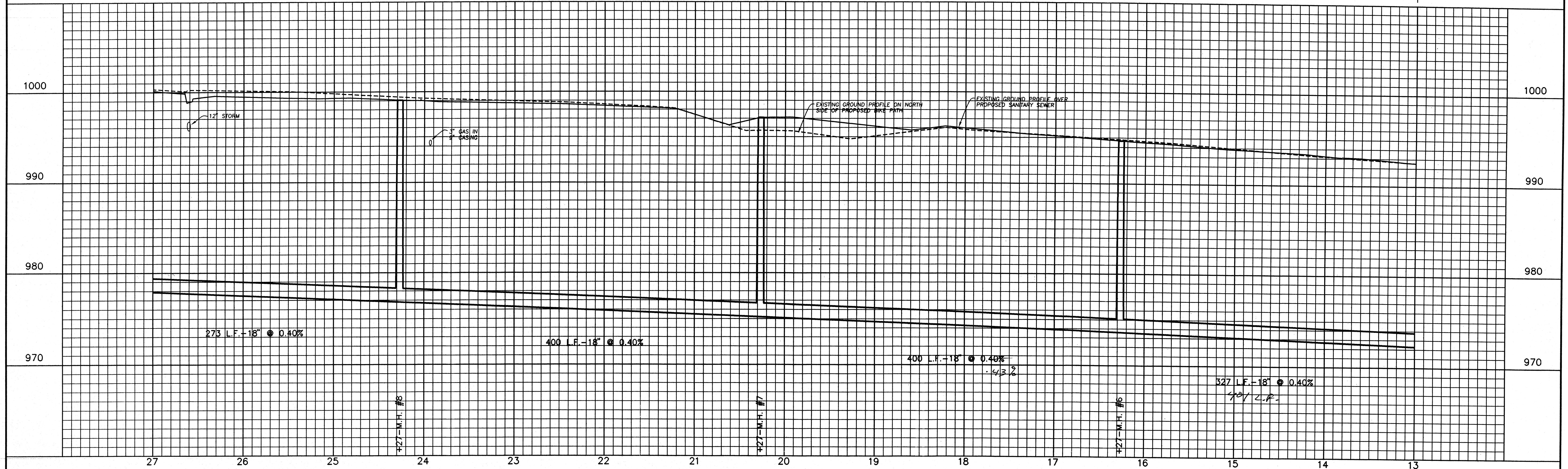
As built
12/2/98

FINKBEINER, PETTIS & SROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 0+00 TO STA. 13+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER
MLLUS001
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
2 OF 12



F.P.S. TEMPORARY BENCHMARK #1
SET IRON PIN NO. 17 AT STA. 20+05.04
EL. 997.17

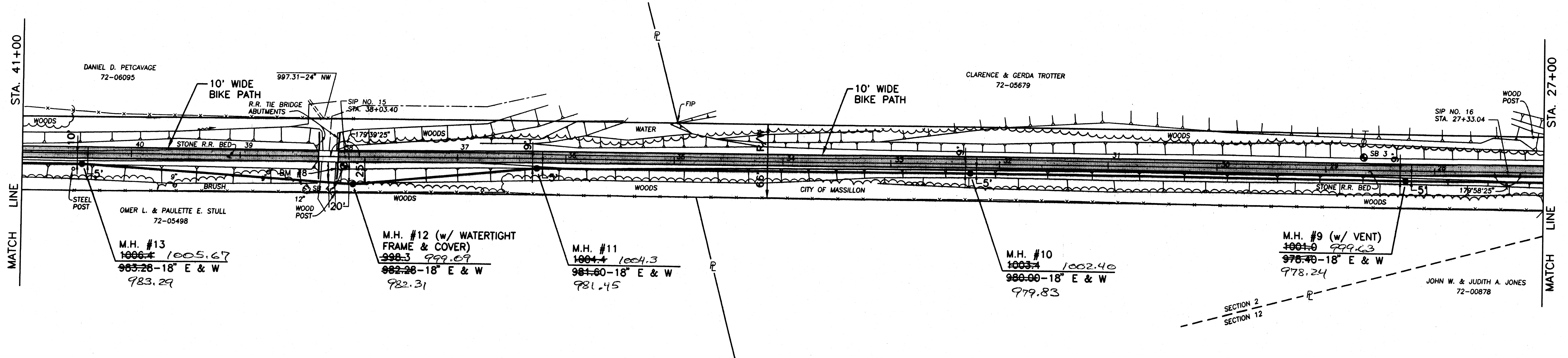
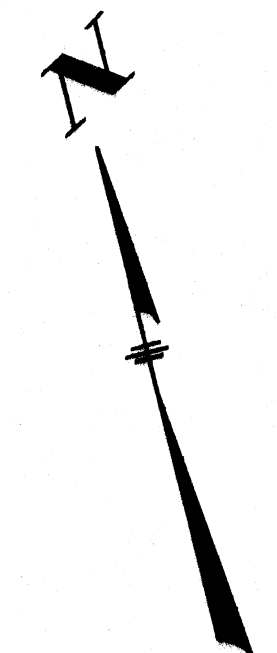
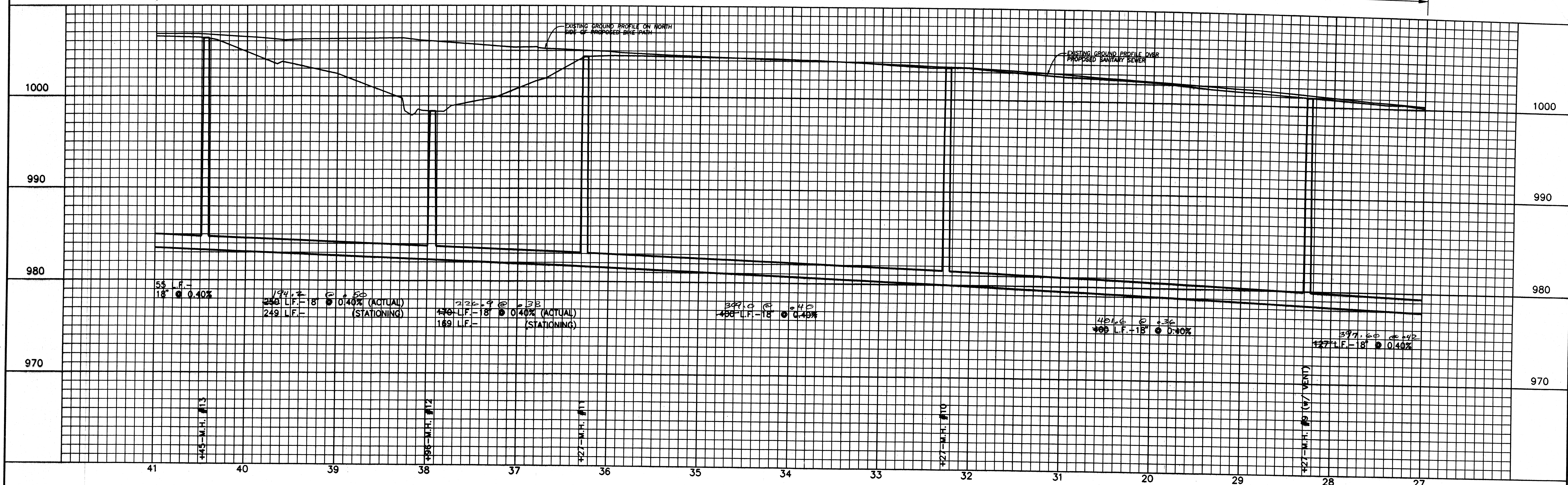
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & SROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 13+00 TO STA. 27+00
WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER
MLLUS002
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
3 OF 12



NOTE:
ALL BRIDGES SHALL NOT BE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST PRESERVE THE STRUCTURAL INTEGRITY OF THE EXISTING BRIDGES. THE LOAD CAPACITY IS UNKNOWN. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY ON DETERMINING USE OF THE BRIDGES FOR EQUIPMENT ACCESS.

F.P.S. BENCHMARK #8
R.R. SPIKE IN S.E. ABUTMENT
OF BRIDGE 14.04
EL. 1005.73

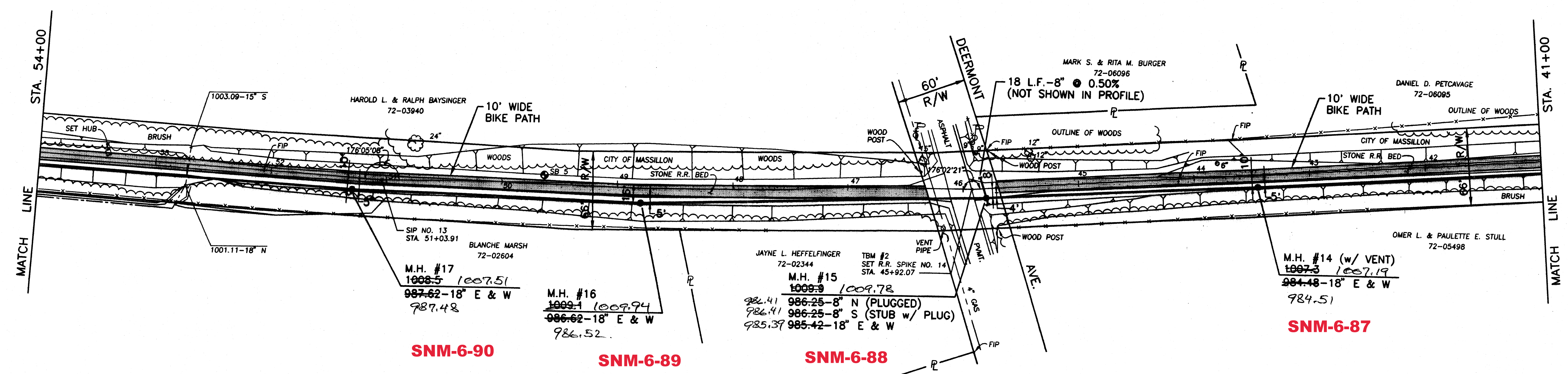
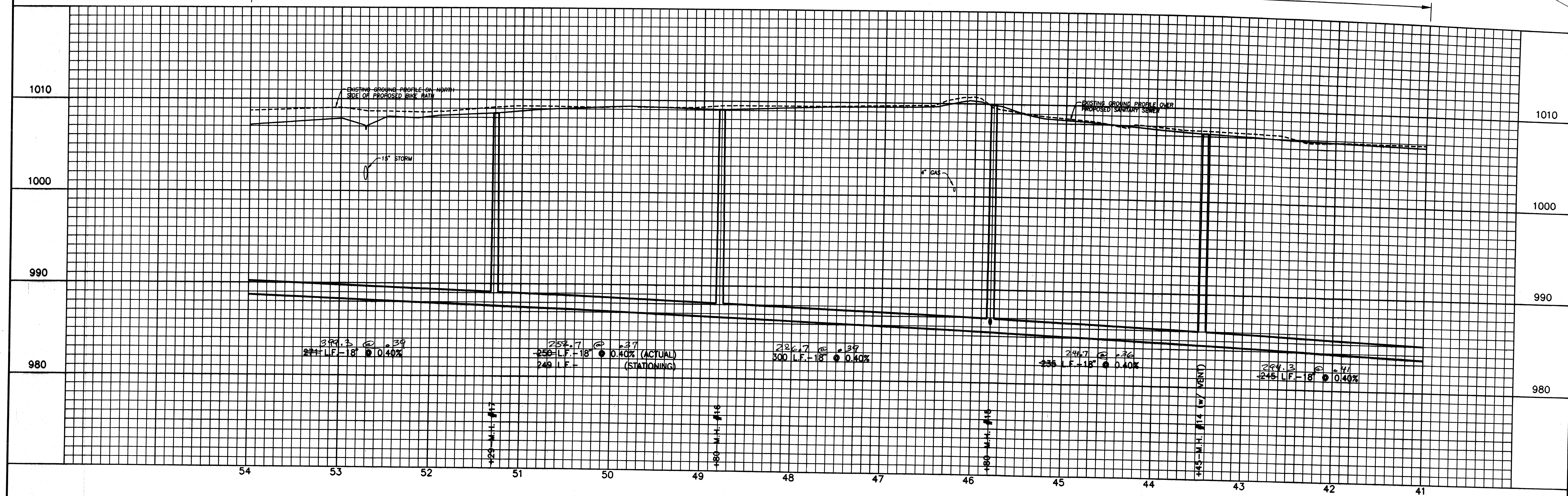
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & SROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 27+00 TO STA. 41+00
WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER
MLLUS003
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
4 OF 12



F.P.S. TEMPORARY BENCHMARK #2
SET R.R. SPIKE NO. 14 AT STA. 45+92.07 IN
EAST EDGE OF PAVEMENT AT DEERMONT AVENUE
EL. 1010.32

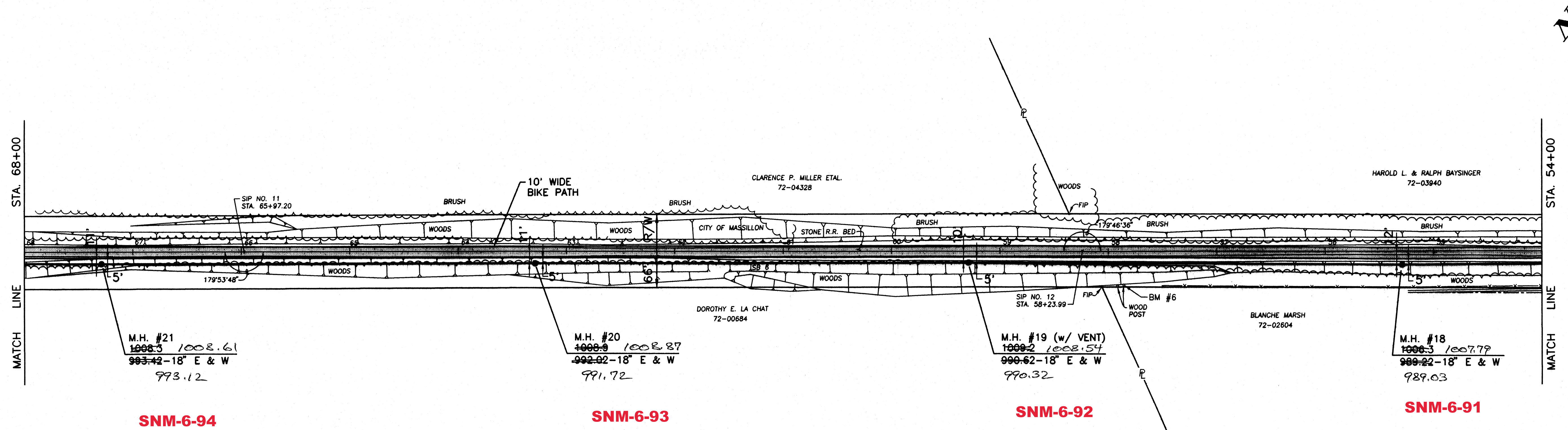
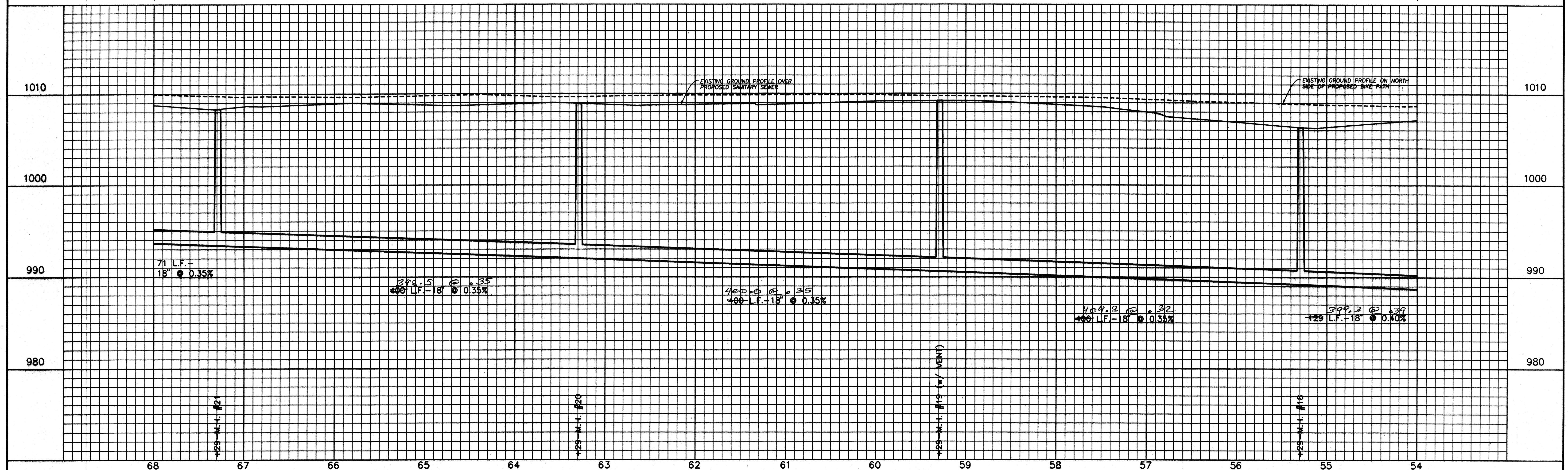
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

STA. 41+00 TO STA. 54+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER
MLLUS004
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
5 of 12



F.P.S. BENCHMARK #6
R.R. SPIKE SET IN WOOD POST ON
SOUTH RIGHT OF WAY @ STA. 58+00
EL. 1010.67

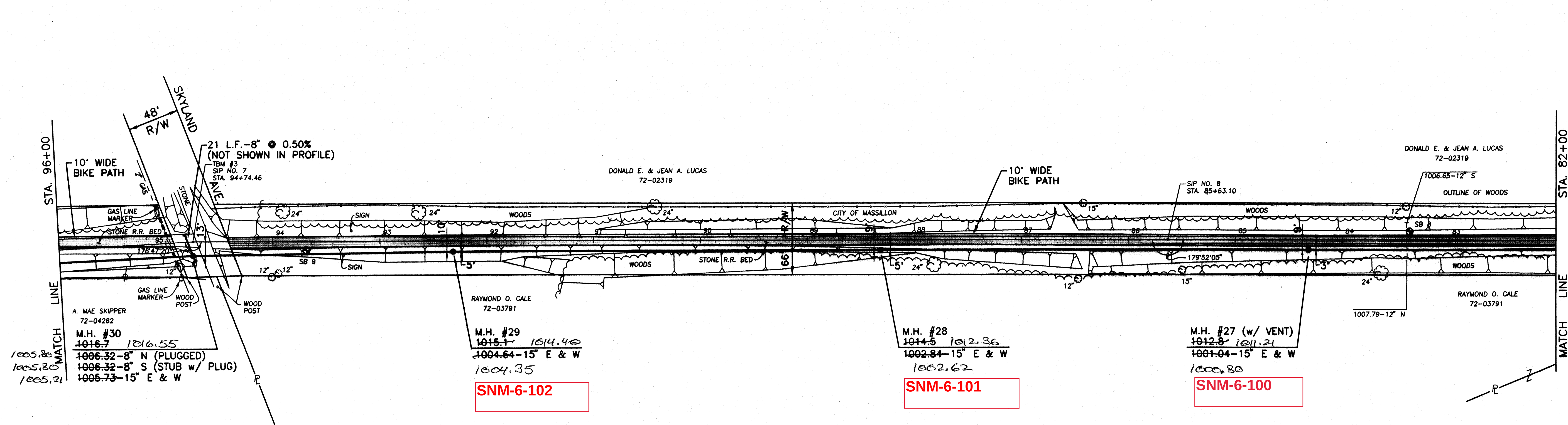
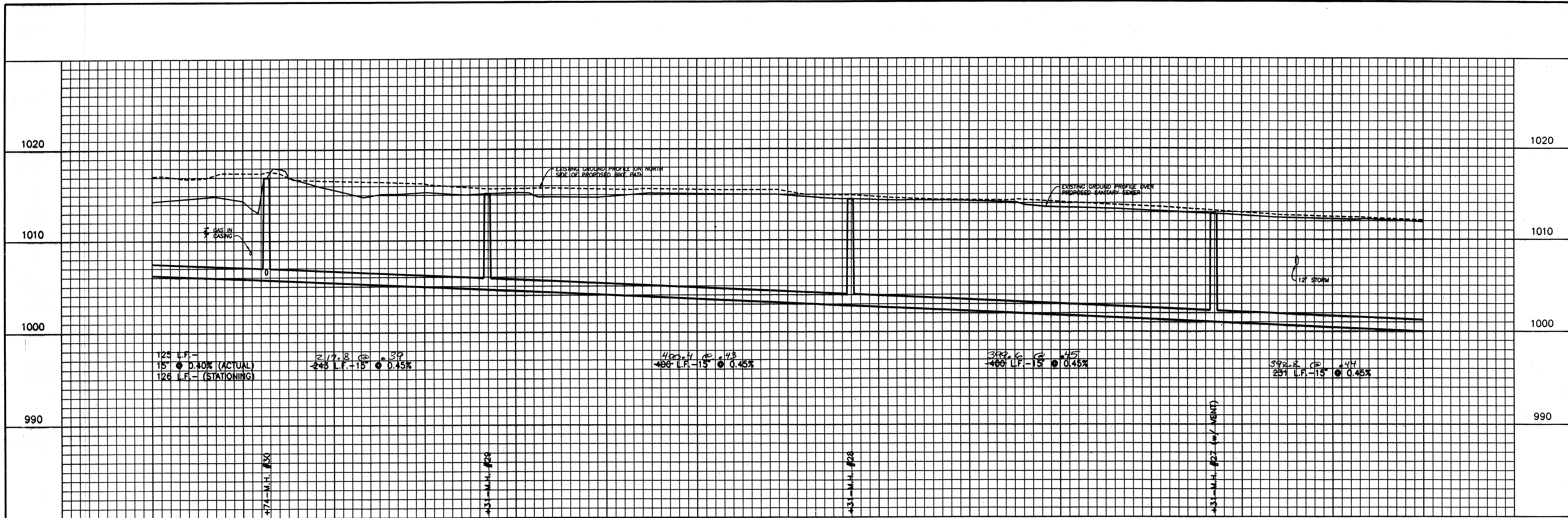
REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & STROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

As built
12/2/98
STA. 54+00 TO STA. 68+00
**WEST MASSILLON
TRUNK SEWER
MASSILLON, OHIO**

CAD NUMBER MLLUS005
PROJECT NUMBER MLL9602B
CONTRACT
DATE 9-13-96
6 OF 12



F.P.S. TEMPORARY BENCHMARK #3
SET IRON PIN NO. 7 AT STA. 94+74.46
EL. 1017.66

REV. NO.	DESCRIPTION	DATE	BY	APP'D

FINKBEINER, PETTIS & SROUT, INC.
CONSULTING ENGINEERS
AKRON, OHIO

SCALE
HORIZ. 1"=50'
VERT. 1"=5'
DESIGNED BY
S.L.W.
DRAWN BY
C.A.S.
CHECKED BY
G.G.A./J.L.O.

As built
12/2/98
STA. 82+00 TO STA. 96+00
WEST MASSILLON TRUNK SEWER
MASSILLON, OHIO

CAD NUMBER
MLLUS007
PROJECT NUMBER
MLL9602B
CONTRACT
DATE
9-13-96
8 OF 12

SE 647 ACC NO 2359