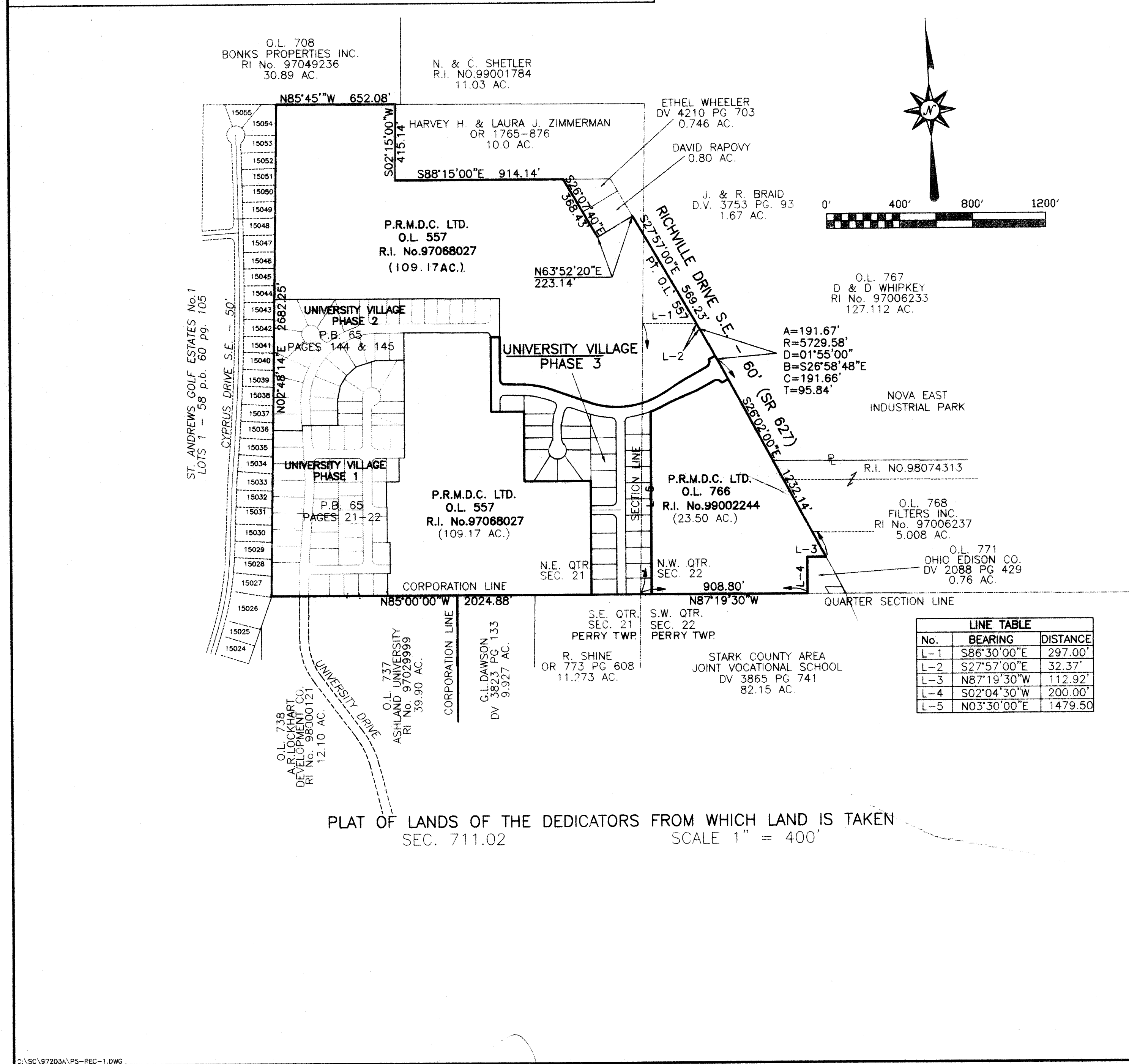
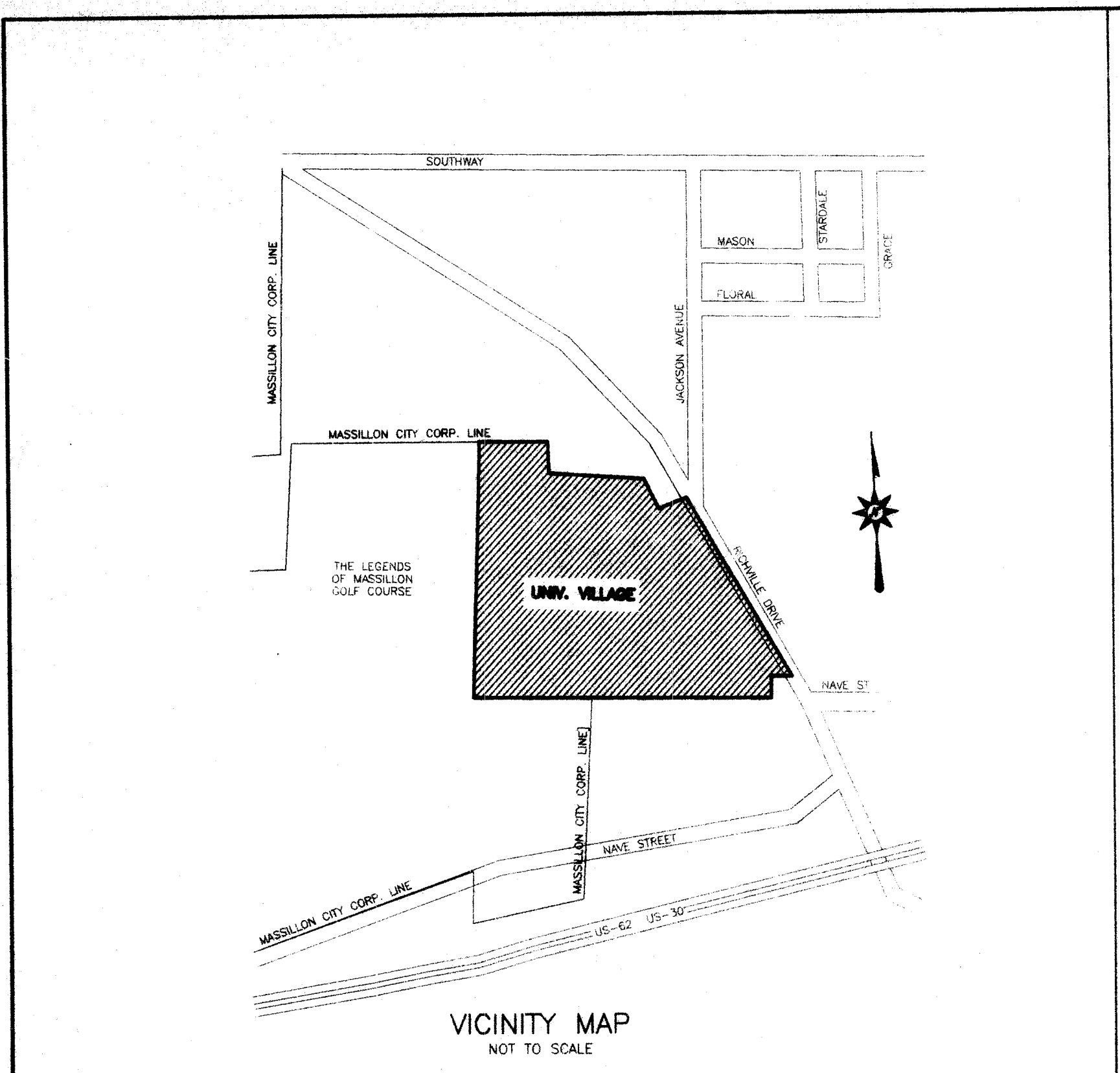




RECORD PLAT
UNIVERSITY VILLAGE PHASE 3
LOCATED IN PART OF LOTS 144 & 145 OF P.B. 65
STARK COUNTY, OHIO

MAY 1999

OWNER/DEVELOPER -
P.R.M.D.C. LTD., A LIMITED PARTNERSHIP
C/O FRED TOBIN
7694 STRAUSSER ST. N.W.
NORTH CANTON, OHIO 44720
PHONE 330-497-9744

AREA IN ROADWAY 4.1693 Ac.
AREA IN LOTS 9.4563 Ac.
TOTAL AREA 13.6256 Ac.

TOTAL NUMBER OF LOTS - 33

AREA IN O.L. 557 = 11.5050 AC.
AREA IN O.L. 766 = 2.1206 AC.

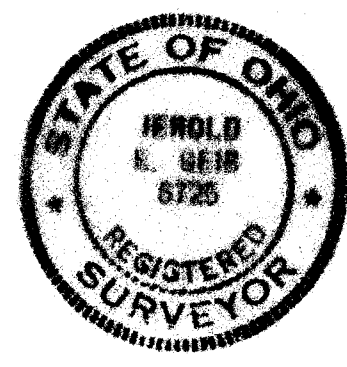
REFERENCE DIRECTION -

BEARING SYSTEM ESTABLISHED FROM SURVEY
OF THE HOL-WIT, INC. PROPERTY BY
ROBERT P. HOOVER, R.S. No. 6155, PERFORMED
IN DEC. 1996, USING N03°23'56"E FOR
THE EAST LINE OF THE N.E. QTR. SEC. 21,
PERRY TOWNSHIP.

PERTINENT DOCUMENTS -

- R.I. No. 97068027
- R.I. No. 97068026
- P.I. No. 98000121
- R.I. No. 97029999
- D.V. 3823 PG. 133
- O.R. 773 PG. 608
- D.V. 3865 PG. 741
- D.V. 2088 PG. 429
- P.I. No. 97006237
- R.I. No. 97006233
- D.V. 4210 PG. 703
- O.R. 1765 PG. 876
- O.R. 1762 PG. 225
- R.I. No. 97049216
- P.B. 60 PG. 105
- P.B. 52 PG. 139
- P.B. 64 PG. 79
- R.I. No. 99001784
- R.I. No. 99002244
- R.I. No. 98074313
- R.R. B. PG. 168
- STARK CO. F.B. 388, PG. 4-11

LINE TABLE		
No.	BEARING	DISTANCE
L-1	S86°30'00"E	297.00'
L-2	S27°57'00"E	32.37'
L-3	N87°19'30"W	112.92'
L-4	S02°04'30"W	200.00'
L-5	N03°30'00"E	1479.50'



I HEREBY CERTIFY THAT THIS IS A CORRECT PLAT OF A SURVEY MADE BY ME THIS 8TH DAY
OF JUNE, 1999 AND THAT THE SURVEY BALANCES AND CLOSES AND THE MONUMENTS
SHOWN HEREON ARE SET AS SHOWN OR SHALL BE SET AS SHOWN AND THAT ALL DIMENSIONAL
AND GEODETIC DETAILS ARE CORRECT.

Jerold E. Geib
REGISTERED SURVEYOR No. 6725
JEROLD E. GEIB

KNOW ALL MEN BY THESE PRESENTS, THAT P.R.M.D.C., LTD. THE OWNER OF THE LAND
SHOWN ON THIS PLAT, REPRESENTED BY FRED W. TOBIN AND JACK L. CUSTER, DULY
AUTHORIZED MEMBERS, DO HEREBY ACKNOWLEDGE THE MAKING AND SIGNING OF THIS
PLAT TO BE THEIR FREE ACT AND DEED AND DO HEREBY DEDICATE THE STREETS,
SANITARY AND STORM SEWER EASEMENTS AS SHOWN HEREON TO PUBLIC USE FOREVER.

IN TESTIMONY THEREOF, WE HEREUNTO SET OUR HANDS THIS 21ST DAY OF JUNE
1999.

OWNER - P.R.M.D.C., LTD.
Fred W. Tobin
BY FRED W. TOBIN, MANAGING MEMBER

Jack L. Custer
BY JACK L. CUSTER, MEMBER

WITNESSES

Russ Doyle
RUSS DOYLE

Bryan J. Ashman
BRYAN J. ASHMAN

Mary Kay Miller
MARY KAY MILLER

STATE OF OHIO
COUNTY OF STARK s.s.

BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY, PERSONALLY APPEARED THE ABOVE
MENTIONED MEMBERS OF P.R.M.D.C., LTD. WHO ACKNOWLEDGED THAT THEY DID SIGN THE
FOREGOING INSTRUMENT AND THAT IT WAS THEIR FREE ACT AND DEED ACCORDING TO LAW,
SWORN TO AND SUBSCRIBED BEFORE ME THIS 21ST DAY OF JUNE, 1999.

MY COMMISSION EXPIRES:

Mary Kay Miller
NOTARY PUBLIC
MARY KAY MILLER
Notary Public, State of Ohio
My Commission Expires Oct. 25, 2002
Recorded in Stark County

APPROVED BY THE MASSILLON CITY PLANNING COMMISSION AT A MEETING HELD THIS _____ DAY
OF _____, 199__

CHAIRMAN

SECRETARY

APPROVED BY THE MASSILLON CITY ENGINEER THIS _____ DAY OF _____, 199__
AND LOT NUMBERS ASSIGNED.

MASSILLON CITY ENGINEER

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE THAT NO ENCUMBRANCES EXIST ON THE LANDS
HEREIN OFFERED FOR PUBLIC USE, THIS _____ DAY OF _____, 199__

MASSILLON CITY LAW DIRECTOR

ACCEPTED BY THE COUNCIL OF THE CITY OF MASSILLON BY ORDINANCE No. _____ PASSED THIS
_____ DAY OF _____, 199__

PRESIDENT

CLERK OF COUNCIL

ENTERED FOR TRANSFER BY THE STARK COUNTY AUDITOR THIS _____ DAY OF _____, 199__

STARK COUNTY AUDITOR

RECEIVED FOR RECORD BY THE STARK COUNTY RECORDER THIS _____ DAY OF _____, 199__
PLAT BOOK _____ PAGE _____

STARK COUNTY RECORDER

FEE \$ _____

RECORD PLAT

UNIVERSITY VILLAGE PHASE 3

PART OF O.L. 557 & 766, CITY OF MASSILLON
STARK COUNTY, OHIO

FOR : P.R.M.D.C. LTD.

DATE: MAY 1999

FIELD BOOK No. N/A

SHEET 1 OF 2

BRYAN J. ASHMAN
JEROLD E. GEIB

COOPER & ASSOCIATES, P.L.L.
ENGINEERS AND SURVEYORS

PHONE (330) 452-5731
FAX No (330) 452-9110

1359 MARKET
AVENUE, NORTH
CANTON, OHIO
44714

DESCRIPTION

REVISIONS

DATE

BY

FILED

97203C

RECORD PLAT
UNIVERSITY VILLAGE PHASE 3
LOCATED IN PART OF OUTLOTS 557 & 766 IN THE CITY OF MASSILLON
STARK COUNTY, OHIO

SCALE 1" = 100'

MAY 1999

OWNER/DEVELOPER -
P.R.M.D.C. LTD., A LIMITED PARTNERSHIP
C/O FRED TOBIN
7694 STRAUSSER ST. N.W.
NORTH CANTON, OHIO 44720
PHONE 330-497-9744

D. & D. WHIPPKEY
O.L. 767
R.I. No. 97006233
(127.112 AC.)

P.R.M.D.C. LTD.
O.L. 766
R.I. No. 97068026

P.R.M.D.C. LTD.
O.L. 766
R.I. No. 99002244
(23.50 AC.)

EASEMENTS AND RESTRICTIONS

AN EASEMENT, TEN FEET WIDE ON THE FRONT AND FIVE FEET WIDE ON THE SIDES AND BACK OF ALL LOTS, AND TEN FEET ON THE EXTERIOR BOUNDARY OF THIS ALLOTMENT IS HEREBY DEDICATED AND RESERVED IN THIS SUBDIVISION TO: COUNTY OF STARK, CITY OF MASSILLON, CONSUMERS OHIO WATER CO., EAST OHIO GAS COMPANY, OHIO EDISON COMPANY, OHIO BELL TELEPHONE COMPANY, MASSILLON CABLE COMPANY, AND ANY P.U.C.O. REGULATED UTILITY FOR THE PURPOSES OF CONSTRUCTION, ERECTION, AND/OR MAINTENANCE OF ANY TRANSMISSION LINES, PIPES, CABLES, CONDUITS, BURIED WIRES, SWALES OR OTHER APPURTENANCES FOR THE TRANSMISSION OF POWER, ELECTRIC, COMMUNICATIONS, STORM WATER, SANITARY SEWER WASTES, WATER, AND/OR ANY FUTURE DEVELOPED PUBLIC UTILITY. THIS EASEMENT GIVES ALL OF THE UTILITIES THE RIGHT TO REMOVE TREES AND LANDSCAPING WITHOUT LIABILITY AS REQUIRED TO MAINTAIN, OPERATE, OR CONSTRUCT THE FACILITIES.

*MAINTENANCE OF ISLANDS WITHIN ROAD R/W SHALL BE RESPONSIBILITY OF DEVELOPER UNTIL SUCH TIME AS HOMEOWNERS ASSOCIATION IS CREATED AND RESPONSIBILITY IS TRANSFERRED TO SAID ASSOCIATION.

LINE	LENGTH	BEARING
L1	15.23	S21°54'16"W
L2	15.23	N21°54'16"E
L3	26.63	N68°05'44"W
L4	11.36	S02°38'20"W
L5	6.89	N02°38'20"E

NUMBER	LENGTH	RADIUS	DELTA ANGLE	TANGENT	CHORD	BEARING
C1	39.23	25.00	89°54'03"	24.96	35.32	N42°18'42"W
C2	39.60	25.00	90°45'28"	25.33	35.59	N48°01'03"E
C3	191.68	5730.04	1°55'00"	95.85	191.67	S26°58'48"E
C4	161.51	500.00	18°30'29"	81.47	160.81	S77°20'58"E
C5	186.54	500.00	21°22'31"	94.36	185.46	S78°47'00"E
C6	417.10	500.00	47°47'46"	221.55	405.11	N88°00'23"E
C7	84.06	250.00	19°15'56"	42.43	83.67	S12°16'18"W
C8						
C9	230.56	500.00	26°25'15"	117.37	228.53	N77°19'07"E
C10						
C11	151.82	470.00	18°30'29"	76.58	151.16	N77°20'58"W
C12	39.27	25.00	90°00'00"	25.00	35.36	N23°05'44"W
C13	92.47	275.00	19°15'56"	46.67	92.03	N12°18'18"E
C14	21.03	25.00	48°11'23"	11.18	20.41	N26°44'01"E
C15	241.19	50.00	276°22'46"			
C16	21.03	25.00	48°11'23"	11.18	20.41	S21°27'21"E
C17	75.66	225.00	19°15'56"	38.19	75.30	N12°16'18"E
C18	39.27	25.00	90°00'00"	25.00	35.36	S66°54'16"W
C19	171.20	530.00	18°30'29"	86.35	170.46	S77°20'58"E
C20	38.94	25.00	89°14'32"	24.67	35.12	S41°58'57"E
C21	392.07	470.00	47°47'46"	208.26	380.80	N88°00'23"E
C22						
C23						
C24						
C25						
C26						
C27	44.26	50.00	50°43'24"	23.70	42.83	S20°11'21"E
C28						
C29	39.79	50.00	45°36'00"	21.02	38.75	N28°01'43"E
C30	29.68	530.00	03°12'32"	14.85	29.68	S69°42'00"E
C31	30.58	50.00	35°02'32"	15.79	30.11	S22°41'37"W
C32	45.75	50.00	52°25'32"	24.62	44.17	S66°25'39"W
C33	45.92	50.00	52°37'14"	24.72	44.32	N61°02'58"W
C34	34.88	50.00	39°58'04"	18.18	34.18	N14°45'19"W
C35	19.91	275.00	04°08'53"	9.96	19.91	S19°49'49"W
C36	65.84	275.00	13°43'02"	33.08	65.68	N10°53'51"E
C37	6.72	275.00	01°24'00"	3.36	6.72	S03°20'20"W
C38	2.25	225.00	00°34'22"	1.12	2.25	N02°55'31"E
C39	73.41	225.00	18°41'34"	37.03	73.08	N12°33'29"E
C40	148.03	530.00	16°00'09"	74.50	147.55	N76°05'48"W
C41	37.85	25.00	86°44'12"	23.62	34.33	N40°43'46"W
C42	39.27	25.00	90°00'00"	25.00	35.36	N47°38'20"E
C43	39.27	25.00	90°00'00"	25.00	35.36	N42°21'40"W
C44	36.18	25.00	82°55'12"	22.09	33.10	S44°05'56"W
C45	198.42	530.00	21°27'01"	100.39	197.26	N74°50'01"E
C46	118.34	530.00	12°47'37"	59.42	118.10	S77°42'04"E
C47	121.79	530.00	13°09'57"	61.16	121.52	N78°58'33"E
C48	76.63	530.00	08°17'04"	38.38	76.57	S68°15'02"W
C49	22.51	5730.04	00°13'30"	11.26	22.51	S26°08'04"E
C50	47.06	30.00	89°52'11"	29.93	42.38	N70°57'24"W
C51	47.31	30.00	90°21'19"	30.19	42.56	N18°55'51"E
C52	39.10	500.00	04°28'51"	19.56	39.09	N61°52'05"E
C53	39.10	500.00	04°28'51"	19.56	39.09	N61°52'05"E
C54	39.10	500.00	04°28'51"	19.56	39.09	S66°20'56"W
C55	39.10	500.00	04°28'51"	19.56	39.09	S66°20'56"W
C56	11.91	470.00	01°27'05"	5.95	11.91	S85°52'40"E
C57	139.92	470.00	17°03'24"	70.48	139.40	S76°37'26"E

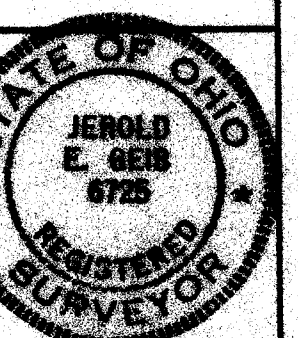
LEGEND

- 1/2" IRON BAR TO BE SET AT ALL LOT CORNERS AND CURVE POINTS
- MONUMENT SET
- IRON PIPE OR BAR FOUND (AS NOTED)
- MONUMENT FOUND
- MAG NAIL SET
- MAG NAIL FOUND

RECORD PLAT

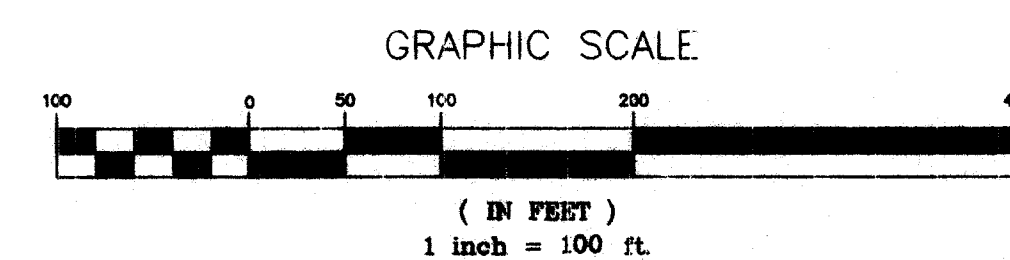
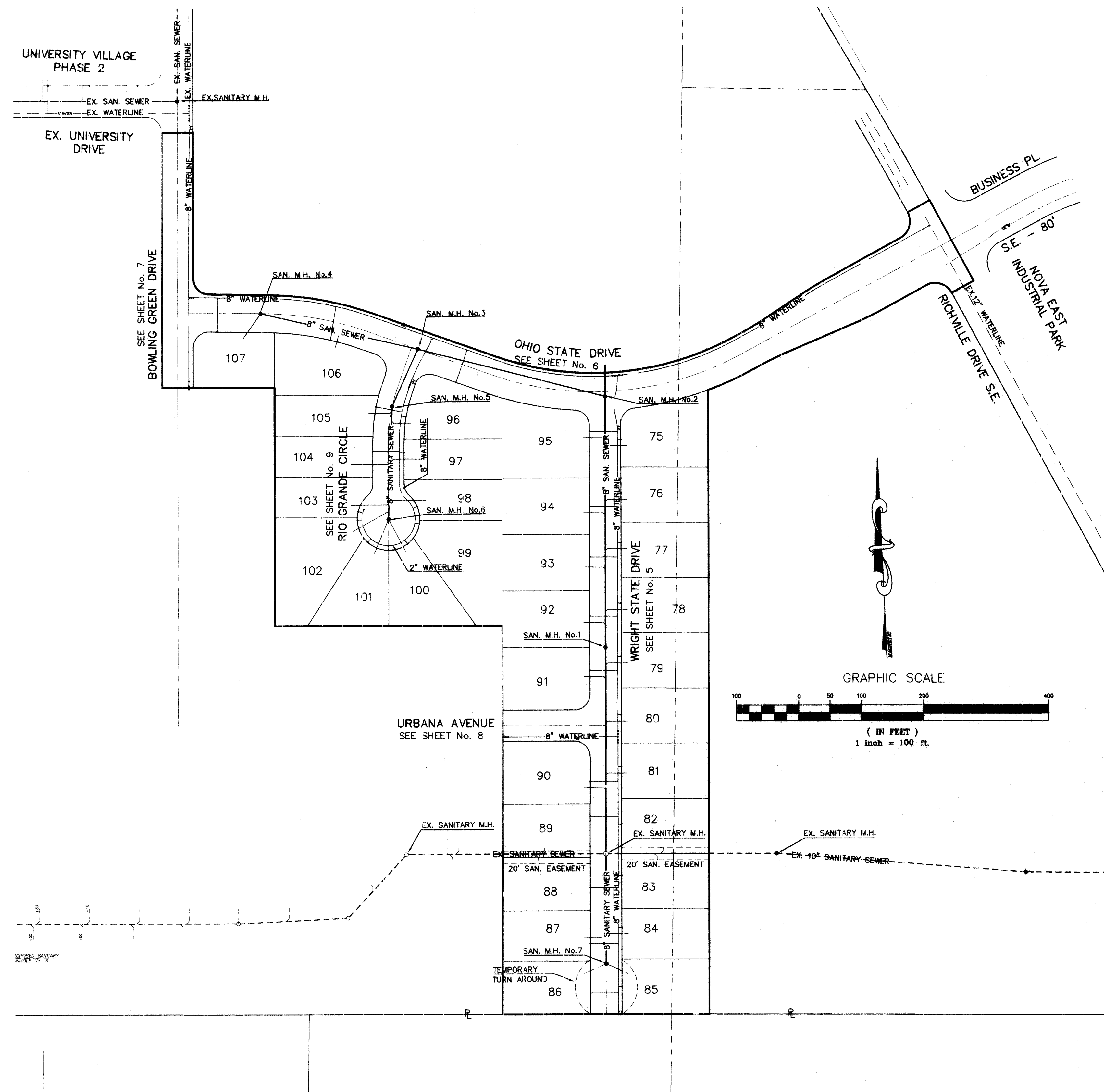
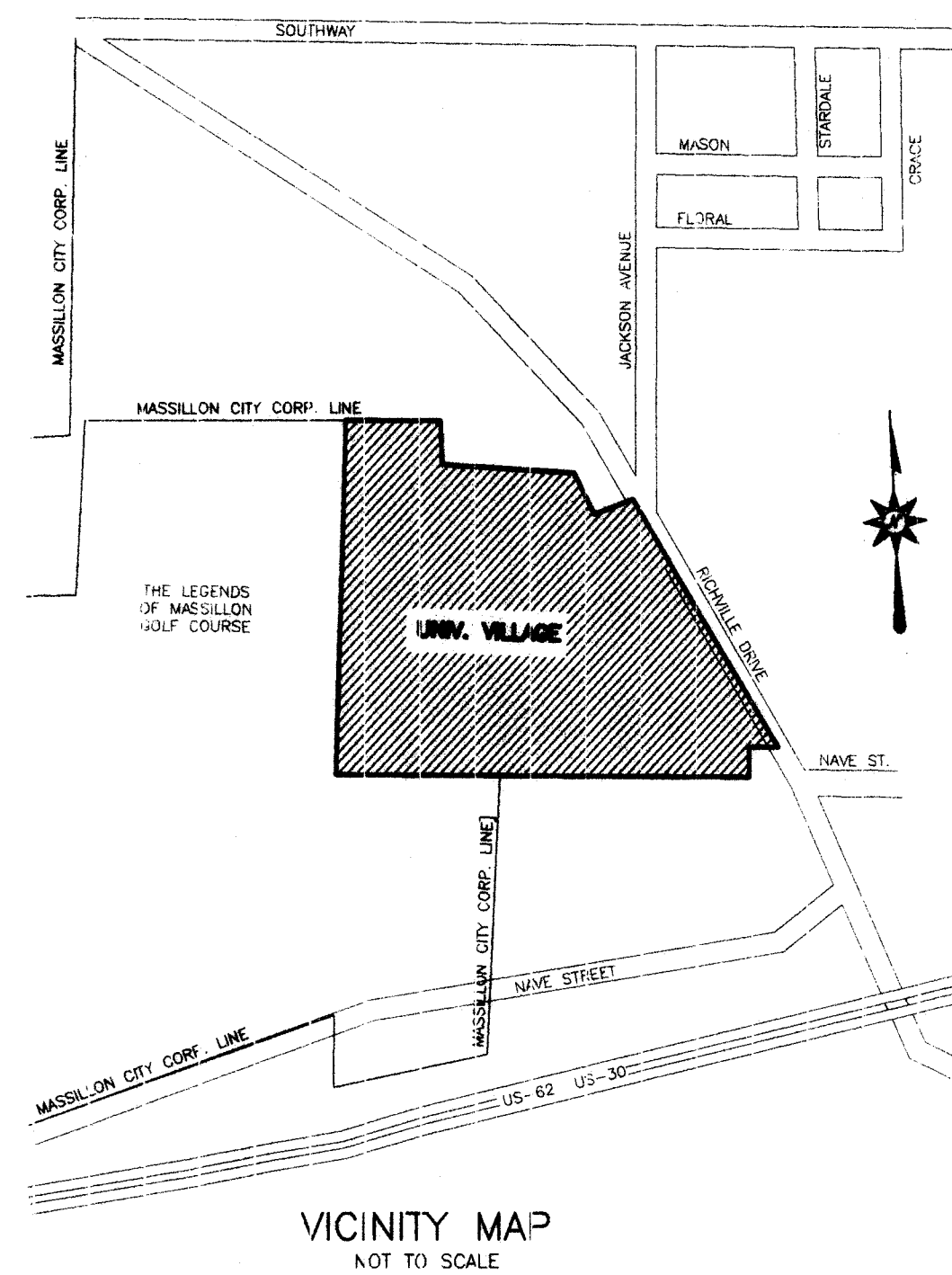
UNIVERSITY VILLAGE PHASE 3

PART OF OUTLOTS 557 AND 766 IN THE CITY OF MASSILLON
STARK COUNTY, OHIO
FOR : P.R.M.D.C. LTD.



NO.	DATE	BY	REVISIONS
1	5/1/99	J.E.G.	1.0
2	5/1/99	J.E.G.	2.0

97203C



GENERAL NOTES

- CONTRACTOR SHALL CHECK DETAIL DRAWINGS FOR MINIMUM GRADE AND BACKFILL REQUIREMENTS.
- ALL COMBINATION CONCRETE CURB AND GUTTER TO BE MASSILLON STANDARD EXCEPT WHERE VARIATIONS ARE TO BE EXTENDED OR MET - SEE SPECIFICATION BOOK AND PLANS.
- EXCAVATION FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE INCLUDED IN THE COST PER LINEAL FOOT OF SAID CURB AND GUTTER.
- ALL COMBINATION CONCRETE CURB AND GUTTER TO BE CONSTRUCTED BEFORE EXCAVATION IS STARTED, WHEN EXCAVATION DOES NOT EXCEED 1'-0" IN DEPTH.
- ROADWAY EXCAVATION TO BE 2" TO 4" BELOW FINISHED GRADE OF STREET AT THE DISCRETION OF THE CITY ENGINEER.
- ALL CATCH BASINS AND MANHOLES TO BE ADJUSTED TO GRADE WHERE NECESSARY.
- ALL CONCRETE TO BE 1:2; 4-6 BAG MIX. 28 DAY - 3000 PSI COMPRESSIVE STRENGTH. MAX. SLUMP TO BE 4".
- CONTRACTOR SHALL PAY INSPECTOR(S) AT THE RATE OF TIME AND ONE HALF OF REGULAR RATE AFTER 4:30 P.M. MONDAY THRU FRIDAY. SATURDAYS ALL DAY AT TIME AND ONE HALF.
- ALL MATERIALS USED WILL BE NEW - NO SALVAGED MATERIAL WILL BE ACCEPTED EXCEPT CASTINGS.
- IF CONTRACTOR EXCAVATES DEEPER THAN NECESSARY FOR CURB AND GUTTER, CONTRACTOR WILL FURNISH ODOT 304 AGGREGATE AND TAMP BEFORE CURB AND GUTTER IS CONSTRUCTED.
- IF SUBGRADE IS UNSUITABLE, CONTRACTOR WILL EXCAVATE AND REPLACE SUCH MATERIAL WITH CRUSHED RUN GRAVEL AT THE DISCRETION OF THE INSPECTOR OR CITY ENGINEER. THIS FILL TO BE PLACED IN 6" LAYERS OR LESS; SAID FILL TO BE COMPACTED TO 95% MAXIMUM LABORATORY DRY WEIGHT BEFORE ANY ADDITIONAL LAYERS ARE ADDED. CONTRACTOR WILL BE PAID FOR EXTRA GRAVEL AND EXCAVATION. THIS COMPACTION TO BE DONE BEFORE FORMS ARE PLACED.
- ALL EXTRA PAY ITEMS WILL HAVE THE APPROVAL OF THE BOARD OF CONTROL BEFORE EXTRA ITEMS ARE INSTALLED.
- CONTRACTOR TO BACKFILL CURB IMMEDIATELY AFTER CURB HAS BEEN IN PLACE FOR 48 HOURS.
- CONTRACTOR WILL NOTIFY COOPER & ASSOCIATES WHEN HE IS IN NEED OF CONSTRUCTION STAKES AND THIS OFFICE WILL COMPLY WITHIN A PERIOD OF 48 HOURS.
- CIRCLE CURB WHEN RADIUS IS 175 FT. OR LESS.
- ALL STORM SEWER PIPES WITHIN PAVEMENT LIMITS OR WITHIN 5' OF B/C LINE SHALL BE REINFORCED CONCRETE PIPE (ODOT 706.02) (* SEE BELOW) AND SHALL BE TYPE 'B' CONDUIT WITH GRANULAR BACKFILL TO WITHIN 1' OF FINISH GRADE IN ACCORDANCE WITH ODOT 603 CLASS B BEDDING AND GRANULAR BACKFILL; ALL STORM SEWERS NOT WITHIN 5' OF B/C SHALL BE SMOOTH LINED CORRUGATED POLYETHYLENE (ODOT 944) OR REINFORCED CONCRETE PIPE (ODOT 706.02) AND SHALL BE TYPE 'C' CONDUIT IN ACCORDANCE WITH ODOT 603 WITH CLASS B BEDDING AND SUITABLE SOIL BACKFILL.
- * OR SMOOTH LINED CORRUGATED POLYETHYLENE(ODOT 944)
- STORM SEWER LATERALS SHALL BE PROVIDED TO EACH LOT. LATERALS SHALL BE 6" PVC(SDR 21) PIPE (UNLESS OTHERWISE NOTED ON THE PLANS) AND SHALL BE DIRECTLY CONNECTED TO THE STORM SEWER WITH APPROVED TEE OR SADDLE CONNECTION. HEADERS SHALL EXTEND 10' INTO THE LOT OR BEYOND FURTHEST UTILITY LINE - WHICHEVER IS GREATER.
- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE ANY WORK IS BEGUN. THE CITY OF MASSILLON IS NOT RESPONSIBLE FOR ANY LOST TIME DUE TO UTILITY RELOCATION.
- MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED IN CONFORMANCE WITH MASSILLON CITY STANDARDS (FILE NO. 581) AVAILABLE FROM THE CITY ENGINEER.
- CONTRACTOR SHALL CONTACT CITY OF MASSILLON ENGINEERING DEPT. AT 330-830-1722 AT LEAST 2 DAYS PRIOR TO THE INITIATION OF CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING.
- STREET LIGHTING IS REQUIRED. DEVELOPER SHALL CO-ORDINATE WITH ELECTRIC UTILITY COMPANY FOR POLE LOCATION AND TYPE.

THE DEVELOPER SHALL INSTALL, AT HIS COST, STREET SIGNS REPRESENTING THE NAMES OF ALL STREETS AT ALL INTERSECTIONS. DEVELOPER ALSO RESPONSIBLE FOR STOP SIGNS AND DIRECTIONAL SIGNS AS NECESSARY. ALL SIGNS SHALL CONFORM WITH CITY OF MASSILLON REGULATIONS.

THERE IS TO BE NO CONSTRUCTION TRAFFIC UTILIZING EXISTING ROADWAY WITHIN UNIVERSITY VILLAGE PHASE I. ALL CONSTRUCTION TRAFFIC MUST USE THE EXISTING CONSTRUCTION ROAD FROM RICHVILLE DRIVE.

CONTRACTOR SHALL NOTIFY CITY ENGINEER'S OFFICE (830-1722) FOR APPROVAL (PROOF-ROLLING) OF SUBGRADE PRIOR TO ANY PAVING.

SANITARY SEWER NOTES

- ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO MASSILLON CITY ENGINEERING DEPARTMENT SPECIFICATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- FIRST FLOOR ELEVATION FOR BUILDING AT THE BUILDING SETBACK LINE SHALL BE A MINIMUM OF 6" ABOVE STREET CENTERLINE GRADE.
- MINIMUM COVER OVER ALL SANITARY SEWER MUST BE 3.0 FEET.
- ALL SANITARY SEWERS, 8" DIAMETER AND LARGER, MUST PASS INTERNAL TELEVISION INSPECTION. THE CONTRACTOR SHALL PROVIDE COMPLETE INTERNAL INSPECTION VIDEO TAPE TO THE SANITARY ENGINEERING DEPARTMENT. THE VIDEO TAPING PROCEDURE MUST BE IN ACCORDANCE WITH STARK COUNTY SANITARY ENGINEERING DEPARTMENT SPECIFICATIONS.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF MASSILLON ENGINEERING DEPT., (330-830-1722) TO SCHEDULE A PRE-CONSTRUCTION MEETING. A MINIMUM OF 72 HOURS NOTICE IS REQUIRED TO SCHEDULE THIS MEETING.
- SANITARY SEWER MAY BE ANY OF THE FOLLOWING MATERIALS, HOWEVER THE COMPLETE SYSTEM MUST BE UNIFORM IN PIPE MATERIAL:
 - V.C.P. EXTRA STRENGTH A.S.T.M. C-700 WITH COMPRESSION TYPE JOINTS IN CONFORMANCE WITH A.S.T.M. C-425
 - A.B.S. COMPOSITE PIPE A.S.T.M. D-2680 WITH CHEMICALLY WELDED PREMIUM JOINTS ASTM D-2680.
 - P.V.C. PIPE A.S.T.M. D-3034 S.D.R. 35 MAXIMUM WITH GASKETED PREMIUM JOINTS ASTM D-3212.
- A BULKHEAD SHALL BE CONSTRUCTED IN THE EXISTING MANHOLE AT THE ENTRANCE OF THE PROPOSED SEWER PIPE AND REMAIN IN PLACE UNTIL THE NEW SEWER LINE IS COMPLETE, TESTED AND APPROVED BY THE MASSILLON CITY ENGINEER, AT WHICH TIME THE BULKHEAD SHALL BE REMOVED.
- LEAKAGE LIMIT TEST TO BE 100 GAL/IN/MI/DAY.
- MANHOLE AND TRENCHES SHALL BE PER MASSILLON DETAILS DRAWINGS. SANITARY SEWER PIPE TO BE PVC PER ASTM-3034 WITH JOINTS PER ASTM-3212. BEDDING PER ASTM-2321.
- SANITARY SERVICE LATERALS SHALL EXTEND INTO THE LOT 10' BEYOND R/W OR BEYOND FURTHEST UTILITY LINE - WHICHEVER IS GREATER.

WATERLINE NOTES:

ALL WATERLINES AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO CONSUMERS OHIO WATER COMPANY SPECIFICATIONS AND DETAILS IN EFFECT AT THE TIME OF CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF ALL WATER MAINS AND THE SERVICE CONNECTIONS FROM ALL 2" WATER MAINS. CONSUMER OHIO WATER COMPANY WILL BE RESPONSIBLE FOR CONSTRUCTION OF ALL WATER SERVICE CONNECTIONS FROM 8" WATER MAINS.

WATER MAIN MATERIALS SHALL CONFORM TO AWWA C151 FOR DUCTILE CAST IRON PIPE.

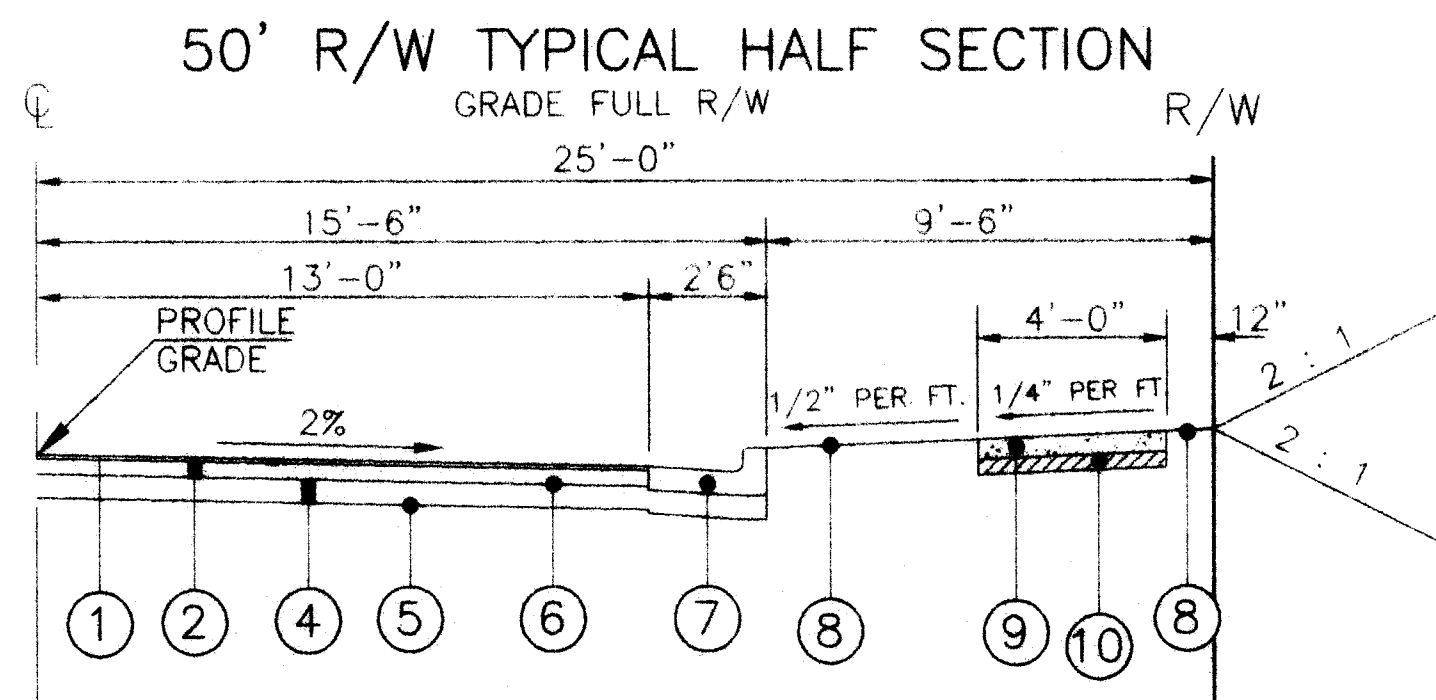
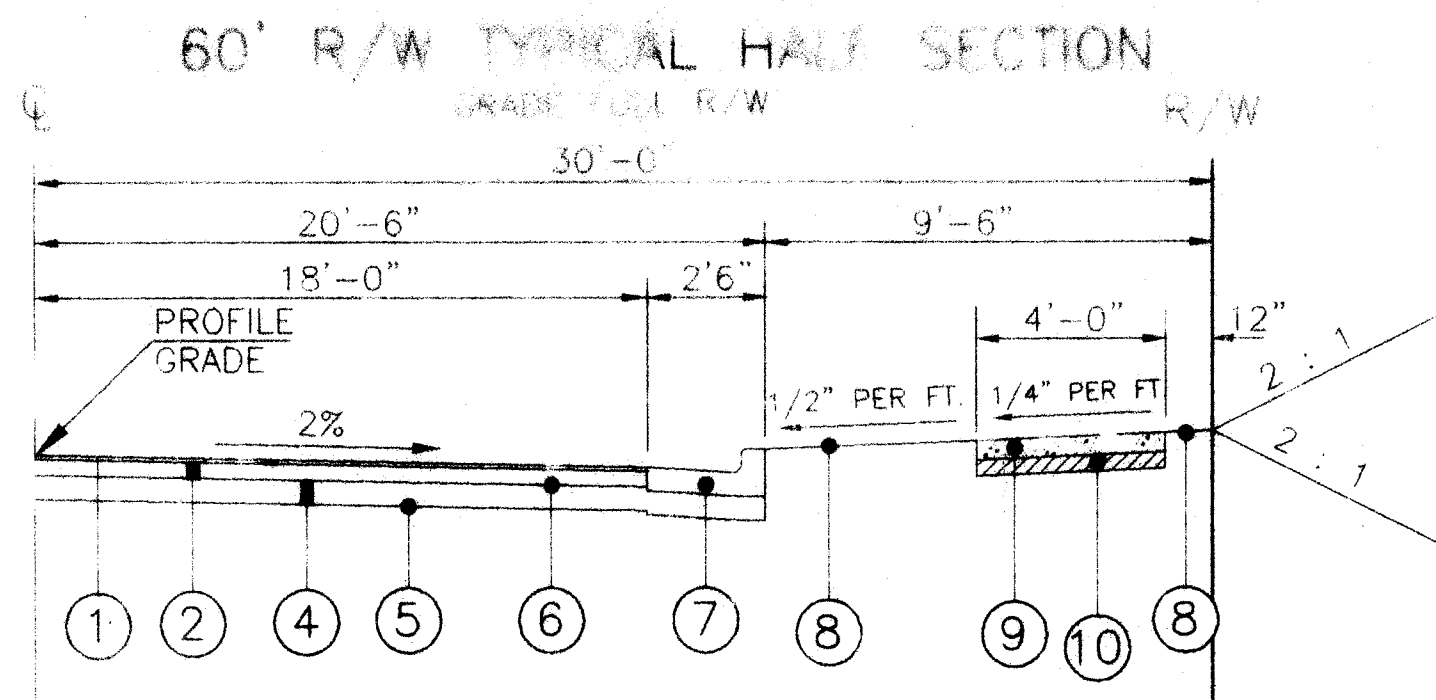
WATER MAINS SHALL BE INSTALLED AND PRESSURE TESTED IN ACCORDANCE WITH AWWA C600.

WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651.

APPROVED BY CONSUMERS OHIO WATER COMPANY
THIS _____ DAY OF _____, 199____

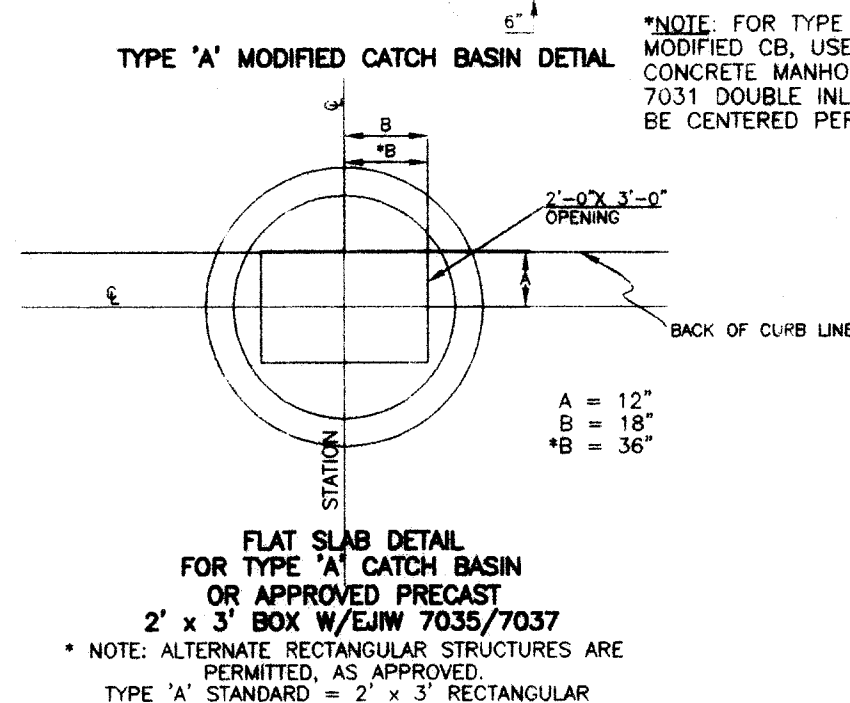
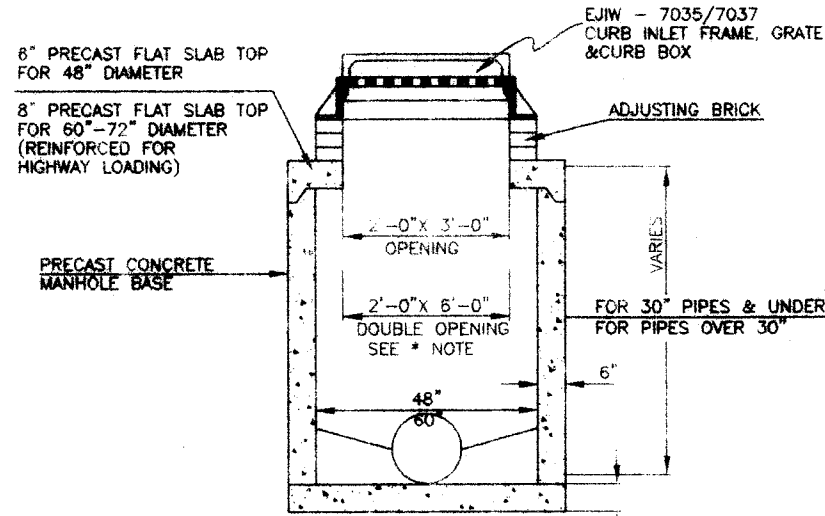
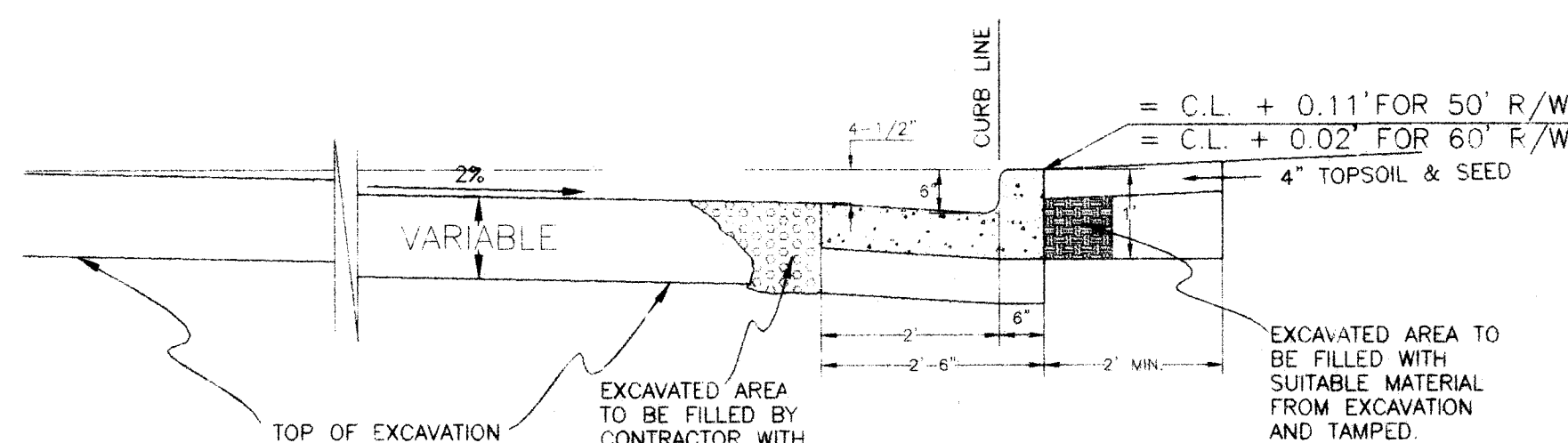
DONALD L. SNYDER, COWC

NOTE : CONTRACTOR MUST CONSTRUCT ALL WATER LINES AND WATER SERVICE LINES SUCH THAT A MINIMUM OF 18" VERTICAL AND 10' HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER AND A MINIMUM OF 12" VERTICAL AND 4' HORIZONTAL BETWEEN STORM SEWER IS MAINTAINED.



- ITEM 404 1-1/2" ASPHALT CONCRETE SURFACE
- ITEM 301 4" BITUMINOUS AGGREGATE BASE
- ITEM 304 6" AGGREGATE BASE (2-3" COURSES)
- ITEM 203 COMPACTED SUBGRADE
- ITEM 408 BITUMINOUS PRIME COAT(0.4 GAL/SY)
- ITEM 609 MASSILLON STANDARD CURB AND GUTTER (ODOT TYPE 2)
- ITEM 659 SEEDING AND MULCHING
- ITEM 608 4" CONCRETE WALK (TO BE PERFORMED BY HOMEBUILDER)
- ITEM 304 4" AGGREGATE BASE UNDER WALK (TO BE PERFORMED BY HOMEBUILDER)

MASSILLON STANDARD CURB AND GUTTER DETAIL (ODOT TYPE 2)

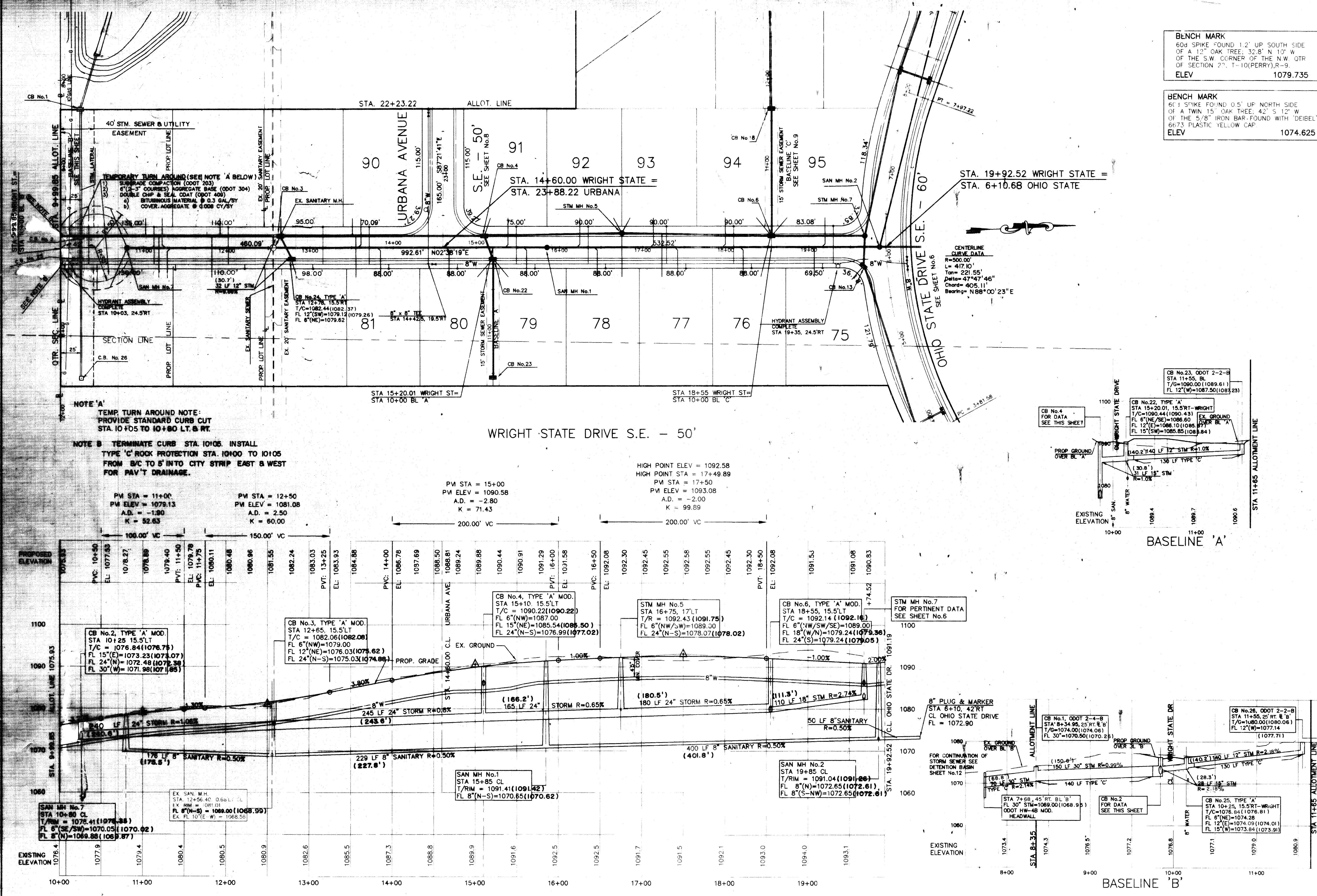


ESTIMATED QUANTITIES

ITEM	QTY.	UNIT	DESCRIPTION
EARTHWORK			
203	13,645	S.Y.	SUBGRADE COMPACTION
203	6700	C.Y.	ROADWAY EXCAVATION NOT INCL. EMBANK. CONST.
203	3300	C.Y.	ROADWAY EMBANKMENT
203	2100	C.Y.	EXCAVATION OUTSIDE ROADWAY
203	11,300	C.Y.	EMBANKMENT OUTSIDE ROADWAY
203	LUMP	L.S.	EROSION AND SEDIMENT CONTROL AS REQUIRED
ROADWAY			
301	1299	C.Y.	BITUMINOUS AGGREGATE BASE(4")
304	2274	C.Y.	6" AGGREGATE BASE (2-3" COURSES)
404	299	C.Y.	1-1/2" ASPHALT CONCRETE
404	487	C.Y.	1-1/2" ASPHALT CONCRETE
408	4676	GAL.	PRIME COAT (0.04 GAL. PER SQ.YD.)
409	4	C.Y.	SEAL COAT COVER AGGREGATE(0.008 C.Y./SQ.YD.)
409	151	GAL.	SEAL COAT BITUMINOUS MATERIAL (0.3 GAL./SQ. YD.)
604	12	EACH	STANDARD CITY MONUMENTS (ODOT STANDARD)
609	437	L.F.	ODOT TYPE 6 CURB
609	6049	L.F.	MASSILLON STANDARD CURB AND GUTTER
609	4056	S.Y.	SEEDING AND MULCHING (ROADWAY)
659	LUMP	L.S.	SEEDING AND MULCHING (OUTSIDE ROADWAY)
608	10	EACH	CURB RAMP (TO BE PERFORMANCE BY HOMEBUILDER)
608	24,200	S.F.	4" CONCRETE WALK(TO BE PERFORMANCE BY HOMEBUILDER)
304	N/A	C.Y.	4" AGG. BASE UNDER WALK(TO BE PERFORMANCE BY HOMEBUILDER)
SANITARY SEWER			
8C	1230	L.F.	6" SANITARY SEWER PIPE (LATERALS)
8	1673	L.F.	8" SANITARY SEWER PIPE
8A	24	EACH	8" x 6" WYES
16	94.52	V.F.	(7) SANITARY MANHOLES (COMPLETE)
16	-	V.F.	(-) 8" DROP ATTACHMENT
16	1	EACH	8" PLUG & MARKER
STORM SEWER			
603	667	L.F.	12" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	382	L.F.	12" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	1113	L.F.	15" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	368	L.F.	18" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	182	L.F.	15" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	847	L.F.	24" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	10	L.F.	30" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	240	L.F.	30" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	-	L.F.	6" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	1055	L.F.	6" PVC DOWNSPOUT LATERAL
603	160	L.F.	18" STORM SEWER (SEE NOTE 16) TYPE 'C'
604	15	EACH	CATCH BASIN TYPE 'A'
604	4	EACH	CATCH BASIN TYPE 'A' (MOD.)
604	-	EACH	CATCH BASIN TYPE 'A' (DBL.)
604	4	EACH	CATCH BASIN TYPE 2-2-B
604	1	EACH	CATCH BASIN TYPE 2-4-B
604	5	EACH	STORM MANHOLE (COMPLETE)
604	3	EACH	STORM SEWER CLEANOUT
604	0.84	C.Y.	HEADWALL ODOT TYPE 4B (MOD. FULL HEIGHT) 10'30",20'15"
601	9.68	C.Y.	DUMPED ROCK CHANNEL PROTECTION TYPE 'C'
608	260	L.F.	DETENTION BASIN CONCRETE CHANNEL
604	2	EACH	HEADWALL ODOT TYPE 4B (1/2 HEIGHT) 2 AT 12"
WATERLINE			
814	-	L.F.	4" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 W/POLYWRAP
814	3010	L.F.	8" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 W/POLYWRAP
814	250	L.F.	2" TYPE 'K' COPPER TUBING OR PVC W/TRACER WIRE OR 2" HDPE SDR9 PE 3409
814	-	EACH	8" x 8" MJ CROSS
814	3	EACH	8" x 8" MJ TEE
814	1	EACH	2" GATE VALVE W/BOX
814	7	EACH	8" GATE VALVE W/BOX
814	-	EACH	2" CURB STOP
814	1	EACH	12" x 8" TAPPING SLEEVE WITH 8" VALVE
814	-	EACH	8" x 8" x 2" TAPPED TEE
814	-	EACH	8" 11-1/4" BEND
814	-	EACH	8" 45° BEND
814	-	EACH	" " BEND
814	-	EACH	" " BEND
814	1	EACH	8" x 2" REDUCER
814	3	EACH	2" BLOW OFF ASSEMBLY
814	-	EACH	8" POJ PLUG W/2" TAP BLOW OFF
814	3	EACH	8" POJ PLUG & MARKER
814	-	EACH	FIRE HYDRANT REMOVED AND RESET
814	4	EACH	FIRE HYDRANT ASSEMBLY, COMPLETE
814	9	EACH	WATER SERVICE CONNECTION W/CURB BOX (830'/1") BY CONTRACTOR
814	24	EACH	WATER SERVICE CONNECTION W/CURB BOX (830'/1") BY OTHERS

APPROVED BY THE MASSILLON CITY ENGINEER
THIS 29th DAY OF July, 1999

James J. Bunkers
MASSILLON CITY ENGINEER



BENCH MARK
60" SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE, 32.8' N 10' W
OF THE S.W. CORNER OF THE NW QTR
OF SECTION 27, T-10(PERRY), R-9
ELEV 1079.735

BENCH MARK
60" SPIKE FOUND 0.5' UP NORTH SIDE
OF A 12" OAK TREE, 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP
ELEV 1074.625

SCALE
HORIZ 1" = 50'
VERT 1" = 10'

DATE
APRIL 1999

FIELD BOOK NO.
N/A

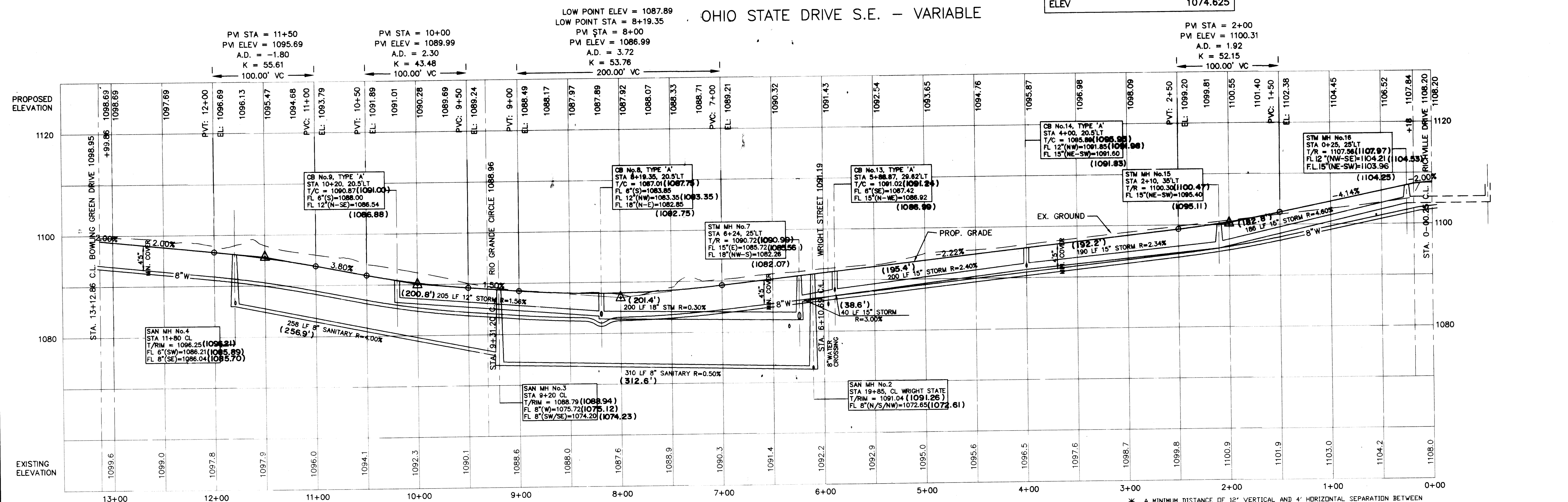
SHEET
5 OF 12

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
1359 MARKET AVENUE, NORTH CANTON, OHIO 44714
PHONE (330) 452-5731
FAX (330) 452-9110

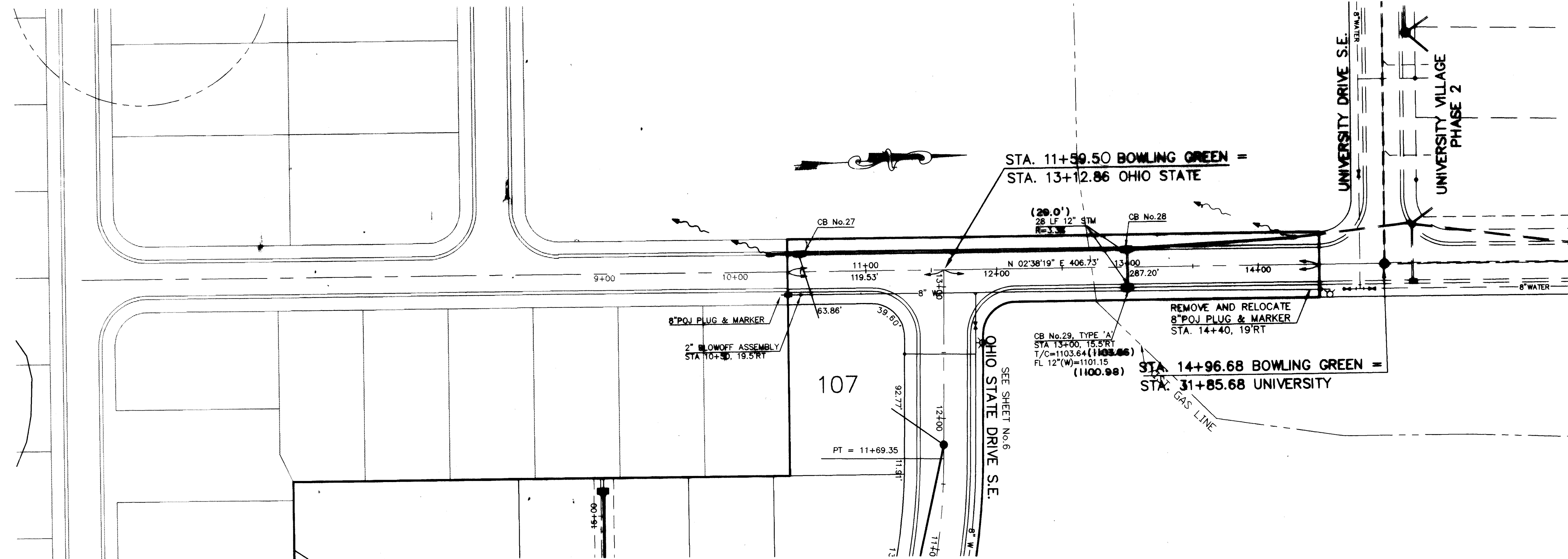
PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.

STATE OF OHIO
REGISTERED PROFESSIONAL ENGINEER
BRYAN J. ASHMAN
E-643804

9/24	M.M.	9/24	M.M.
10/10	10/10	10/10	10/10
11/10	11/10	11/10	11/10
12/10	12/10	12/10	12/10
1/11	1/11	1/11	1/11
2/11	2/11	2/11	2/11
3/11	3/11	3/11	3/11
4/11	4/11	4/11	4/11
5/11	5/11	5/11	5/11
6/11	6/11	6/11	6/11
7/11	7/11	7/11	7/11
8/11	8/11	8/11	8/11
9/11	9/11	9/11	9/11
10/11	10/11	10/11	10/11
11/11	11/11	11/11	11/11
12/11	12/11	12/11	12/11
1/12	1/12	1/12	1/12
2/12	2/12	2/12	2/12
3/12	3/12	3/12	3/12
4/12	4/12	4/12	4/12
5/12	5/12	5/12	5/12
6/12	6/12	6/12	6/12
7/12	7/12	7/12	7/12
8/12	8/12	8/12	8/12
9/12	9/12	9/12	9/12
10/12	10/12	10/12	10/12
11/12	11/12	11/12	11/12
12/12	12/12	12/12	12/12
1/13	1/13	1/13	1/13
2/13	2/13	2/13	2/13
3/13	3/13	3/13	3/13
4/13	4/13	4/13	4/13
5/13	5/13	5/13	5/13
6/13	6/13	6/13	6/13
7/13	7/13	7/13	7/13
8/13	8/13	8/13	8/13
9/13	9/13	9/13	9/13
10/13	10/13	10/13	10/13
11/13	11/13	11/13	11/13
12/13	12/13	12/13	12/13
1/14	1/14	1/14	1/14
2/14	2/14	2/14	2/14
3/14	3/14	3/14	3/14
4/14	4/14	4/14	4/14
5/14	5/14	5/14	5/14
6/14	6/14	6/14	6/14
7/14	7/14	7/14	7/14
8/14	8/14	8/14	8/14
9/14	9/14	9/14	9/14
10/14	10/14	10/14	10/14
11/14	11/14	11/14	11/14
12/14	12/14	12/14	12/14
1/15	1/15	1/15	1/15
2/15	2/15	2/15	2/15
3/15	3/15	3/15	3/15
4/15	4/15	4/15	4/15
5/15	5/15	5/15	5/15
6/15	6/15	6/15	6/15
7/15	7/15	7/15	7/15
8/15	8/15	8/15	8/15
9/15	9/15	9/15	9/15
10/15	10/15	10/15	10/15
11/15	11/15	11/15	11/15
12/15	12/15	12/15	12/15
1/16	1/16	1/16	1/16
2/16	2/16	2/16	2/16
3/16	3/16	3/16	3/16
4/16	4/16	4/16	4/16
5/16	5/16	5/16	5/16
6/16	6/16	6/16	6/16
7/16	7/16	7/16	7/16
8/16	8/16	8/16	8/16
9/16	9/16	9/16	9/16
10/16	10/16	10/16	10/16
11/16	11/16	11/16	11/16
12/16	12/16	12/16	12/16
1/17	1/17	1/17	1/17
2/17	2/17	2/17	2/17
3/17	3/17	3/17	3/17
4/17	4/17	4/17	4/17
5/17	5/17	5/17	5/17
6/17	6/17	6/17	6/17
7/17	7/17	7/17	7/17
8/17	8/17	8/17	8/17
9/17	9/17	9/17	9/17
10/17	10/17	10/17	10/17
11/17	11/17	11/17	11/17
12/17	12/17	12/17	12/17
1/18	1/18	1/18	1/18
2/18	2/18	2/18	2/18
3/18	3/18	3/18	3/18
4/18	4/18	4/18	4/18
5/18	5/18	5/18	5/18
6/18	6/18	6/18	6/18
7/18	7/18	7/18	7/18
8/18	8/18	8/18	8/18
9/18	9/18	9/18	9/18
10/18	10/18	10/18	10/18
11/18	11/18	11/18	11/18
12/18	12/18	12/18	12/18
1/19	1/19	1/19	1/19
2/19	2/19	2/19	2/19
3/19	3/19	3/19	3/19
4/19	4/19	4/19	4/19
5/19	5/19	5/19	5/19
6/19	6/19	6/19	6/19
7/19	7/19	7/19	7/19
8/19	8/19	8/19	8/19
9/19	9/19	9/19	9/19
10/19	10/19	10/19	10/19
11/19	11/19	11/19	11/19
12/19	12/19	12/19	12/19
1/20	1/20	1/20	1/20
2/20	2/20	2/20	2/20
3/20	3/20	3/20	3/20
4/20	4/20	4/20	4/20
5/20	5/20	5/20	5/20
6/20	6/20	6/20	6/20
7/20	7/20	7/20	7/20
8/20	8/20	8/20	8/20
9/20	9/20	9/20	9/20
10/20	10/20	10/20	10/20
11/20	11/20	11/20	11/20
12/20	12/20	12/20	12/20
1/21	1/21	1/21	1/21
2/21	2/21	2/21	2/21
3/21	3/21	3/21	3/21
4/21	4/21	4/21	4/21
5/21	5/21	5/21	5/21
6/21	6/21	6/21	6/21
7/21	7/21	7/21	7/21
8/21	8/21	8/21	8/21
9/21	9/21	9/21	9/21
10/21	10/21	10/21	10/21
11/21	11/21	11/21	11/21
12/21	12/21	12/21	12/21
1/22	1/22	1/22	1/22
2/22	2/22	2/22	2/22
3/22	3/22	3/22	3/22
4/22	4/22	4/22	4/22
5/22	5/22	5/22	5/22
6/22	6/22	6/22	6/22
7/22	7/22	7/22	7/22
8/22	8/22	8/22	8/22
9/22	9/22	9/22	9/22
10/22	10/22	10/22	10/22
11/22	11/22	11/22	11/22
12/22	12/22	12/22	12/22
1/23	1/23	1/23	1/23
2/23	2/23	2/23	2/23
3/23	3/23	3/23	3/23
4/23	4/23	4/23	4/23
5/23	5/23	5/23	5/23
6/23	6/23	6/23	6/23
7/23	7/23	7/23	7/23
8/23	8/23	8/23	8/23
9/23	9/23	9/23	9/23
10/23	10/23	10/23	10/23
11/23	11/23	11/23	11/23
12/23	12/23	12/23	12/23
1/24	1/24	1/24	1/24
2/24	2/24	2/24	2/24
3/24	3/24	3/24	3/24
4/24	4/24	4/24	4/24
5/24	5/24	5/24	5/24
6/24	6/24	6/24	6/24
7/24	7/24	7/24	7/24
8/24	8/24	8/24	8/24
9/24	9/24	9/24	9/24
10/24	10/24	10/24	10/24
11/24	11/24	11/24	11/24
12/24	12/24	12/24	12/24
1/25	1/25	1/25	1/25
2/25	2/25	2/25	2/25
3/25	3/25	3/25	3/25
4/25	4/25	4/25	4/25
5/25	5/25	5/25	5/25
6/25	6/25	6/25	6/25
7/25	7/25	7/25	7/25
8/25	8/25	8/25	8/25
9/25	9/25	9/25	9/25
10/25	10/25	10/25	10/25
11/25	11/25	11/25	11/25
12/25	12/25	12/25	12/25
1/26	1/26	1/26	1/26
2/26	2/26	2/26	2/26
3/26	3/26	3/26	3/26
4/26	4/26	4/26	4/26
5/26	5/26	5/26	5/26
6/26	6/26	6/26	6/26
7/26	7/26	7/26	7/26
8/26	8/26	8/26	8/26
9/26	9/26	9/26	9/26
10/26	10/26	10/26	10/26
11/26	11/26	11/26	11/26
12/26	12/26	12/26	12/26
1/27	1/27	1/27	1/27
2/27	2/27	2/27	2/27
3/27	3/27	3/27	3/27
4/27	4/27	4/27	4/27
5/27	5/27	5/27	5/27
6/27	6/27	6/27	6/27
7/27	7/27	7/27	7/27
8/27	8/27	8/27	8/27
9/27	9/27	9/27	9/27
10/27	10/27	10/27	10/27
11/27	11/27	11/27	11/27
12/27	12/27	12/27	12/27
1/28	1/28	1/28	1/28
2/28	2/28	2/28	2/28
3/28	3/28	3/28	3/28
4/28	4/28	4/28	4/28
5/28	5/28	5/28	5/28
6/28	6/28	6/28	6/28
7/28	7/28	7/28	7/28
8/28	8/28	8/28	8/28
9/28	9/28	9/28	9/28
10/28	10/28	10/28	10/28
11/28	11/28	11/28	11/28
12/28	12/28	12/28	12/28
1/29	1/29	1/29	1/29
2/29	2/29	2/29	2/29
3/29	3/29	3/29	3/29
4/29	4/29	4/29	4/29
5/29	5/29	5/29	5/29
6/29	6/29	6/29	6/29
7/29	7/29	7/29	7/29
8/29	8/29	8/29	8/29
9/29	9/29	9/29	9/29
10/29	10/29	10/29	10/29
11/29	11/29	11/29	11/29
12/29	12/29	12/29	12/29
1/30	1/30	1/30	1/30
2/30	2/30	2/30	2/30
3/30	3/30	3/30	3/30
4/30	4/30	4/30	4/30
5/30	5/30	5/30	5/30
6/30	6/30	6/30	6/30
7/30	7/30	7/30	7/30
8/30	8/30	8/30	8/30
9/30	9/30	9/30	9/30
10/30	10/30	10/30	10/30
11/30	11/30	11/30	11/30
12/30	12/30	12/30	12/30
1/31	1/31	1/31	1/31
2/31	2/31	2/31	2/31
3/31	3/31	3/31	3/31
4/31	4/31	4/31	4/31
5/31	5/31	5/31	5/31
6/31	6/31	6/31	6/31
7/31	7/31	7/31	7/31
8/31	8/31	8/31	8/31
9/31	9/31	9/31	9/31
10/31	10/31	10/31	10/31
11/31	11/31	11/31	11/31
12/31	12/31	12/31	12/31
1/32	1/32	1/32	1/32
2/32	2/32	2/32	2/32
3/32	3/32	3/32	3/32
4/32	4/32	4/32	4/32
5/32	5/32	5/32	5/32
6/32	6/32	6/32	6/32
7/32	7/32	7/32	7/32
8/32	8/32	8/32	8/32
9/32	9/32	9/32	9/32
10/32	10/32	10/32	10/32
11/32	11/32	11/32	11/32
12/32	12/32	12/32	12/32
1/33	1/33	1/33	1/33
2/33	2/33	2/33	2/33
3/33	3/33	3/33	3/33
4/33	4/33	4/33	4/33
5/33	5/33	5/33	5/33
6/33	6/33	6/33	6/33
7/33	7/33	7/33	7/33
8/33	8/33	8/33	8/33
9/33	9/33	9/33	9/33
10/33	10/33	10/33	10/33
11/33	11/33	11/33	11/33
12/33	12/33	12/33	12/33
1/34	1/34	1/34	1/34
2/34	2/34	2/34	2/34
3/34	3/34	3/34	3/34
4/34	4/34	4/34	4/34
5/34	5/34	5/34	5/34
6/34	6/34	6/3	



OHIO STATE DR.

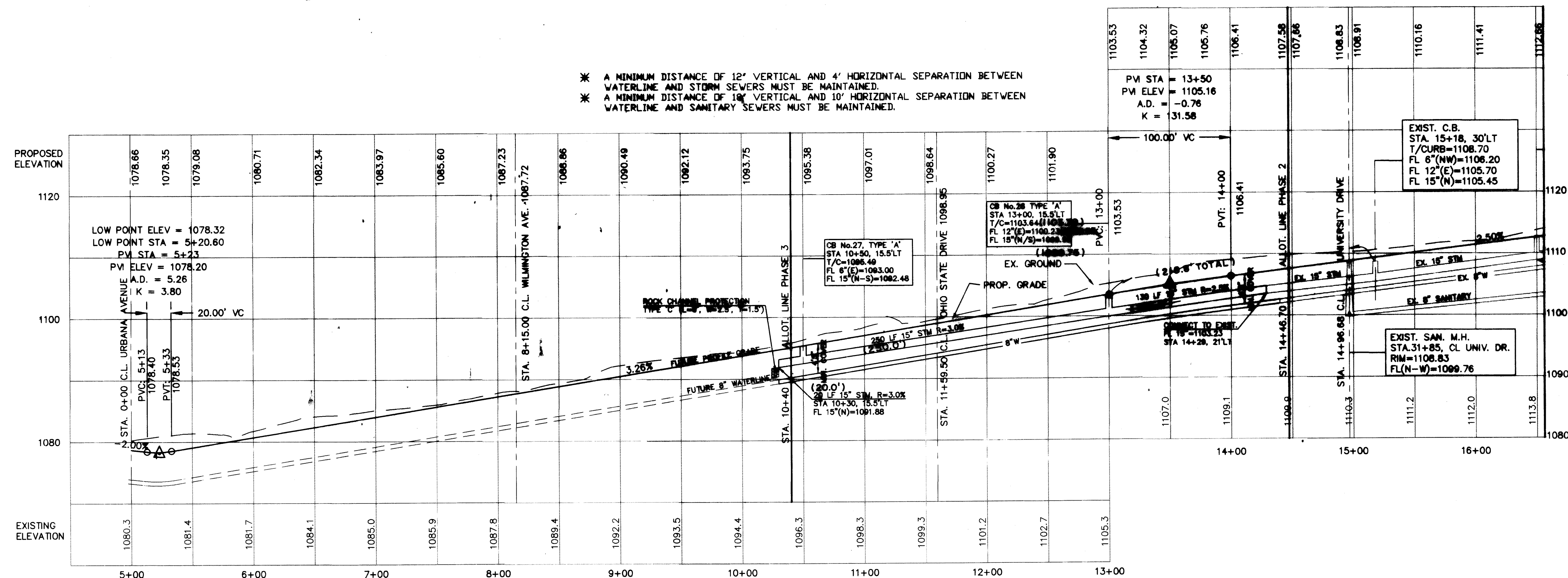


BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1079.735

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV 1074.825

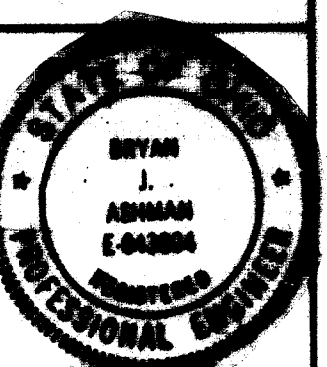
BOWLING GREEN DRIVE S.E. - 50'

- * A MINIMUM DISTANCE OF 12" VERTICAL AND 4' HORIZONTAL SEPARATION BETWEEN WATERLINE AND STORM SEWERS MUST BE MAINTAINED.
- * A MINIMUM DISTANCE OF 10" VERTICAL AND 10' HORIZONTAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWERS MUST BE MAINTAINED.



BOWLING GREEN DR.

PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.



REVISION	DATE	BY
1	7/16	CHB
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

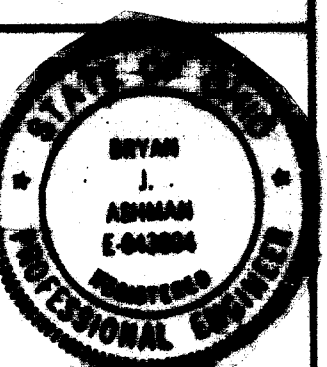
97203C

BRYAN J. ASHMAN
JENNIFER E. GEB

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
PHONE (330) 452-5731
FAX (330) 452-9110



PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.



REVISION	DATE	BY
1	7/16	CHB
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

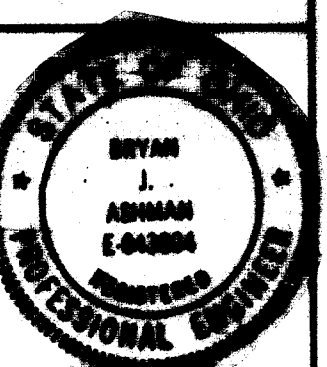
97203C

BRYAN J. ASHMAN
JENNIFER E. GEB

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
PHONE (330) 452-5731
FAX (330) 452-9110



PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.



REVISION	DATE	BY
1	7/16	CHB
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

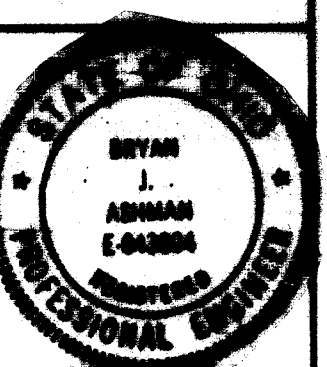
97203C

BRYAN J. ASHMAN
JENNIFER E. GEB

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
PHONE (330) 452-5731
FAX (330) 452-9110



PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.



REVISION	DATE	BY
1	7/16	CHB
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

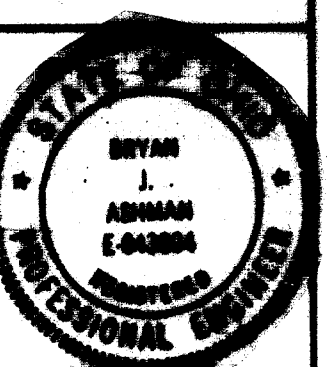
97203C

BRYAN J. ASHMAN
JENNIFER E. GEB

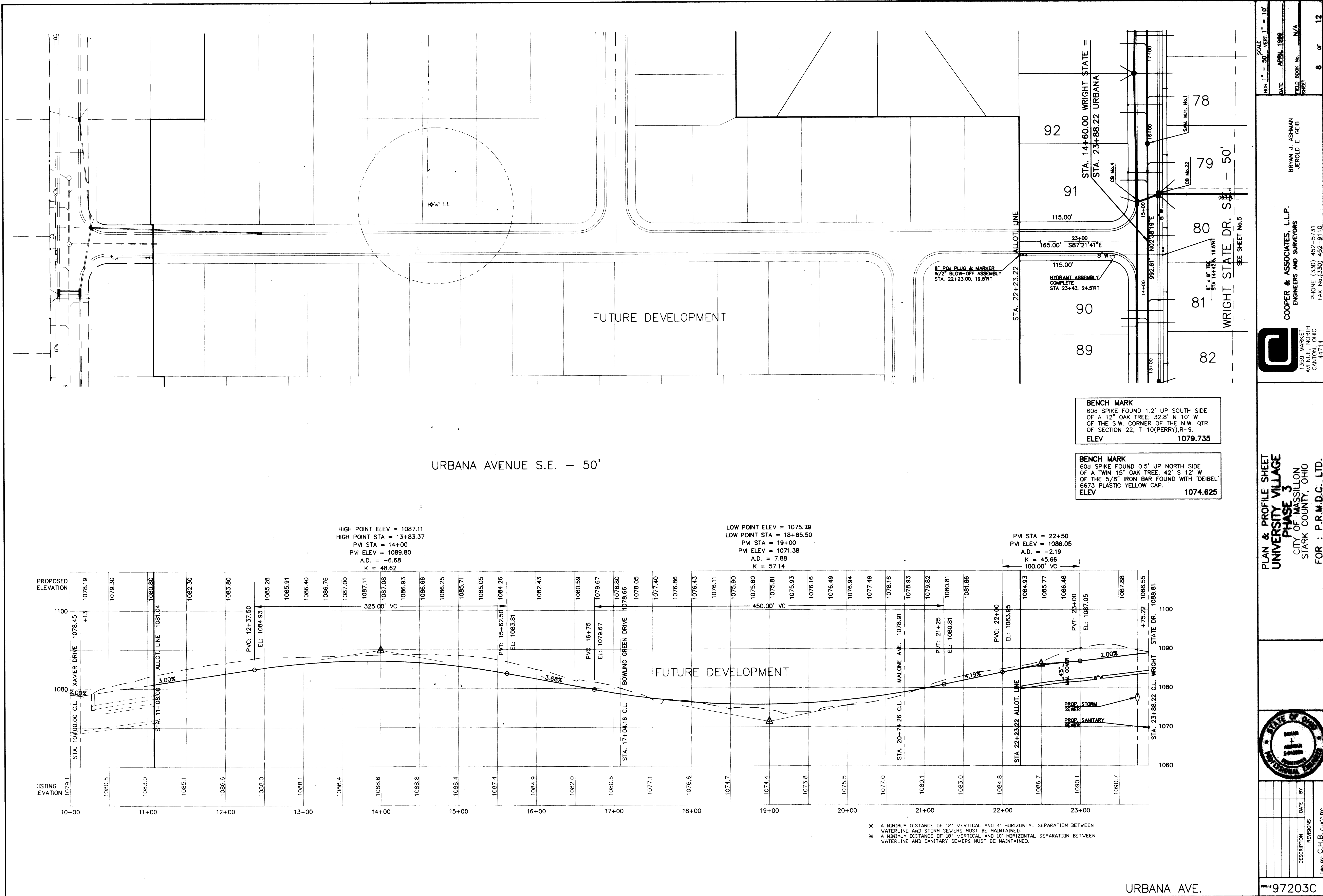
COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
PHONE (330) 452-5731
FAX (330) 452-9110



PLAN & PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.

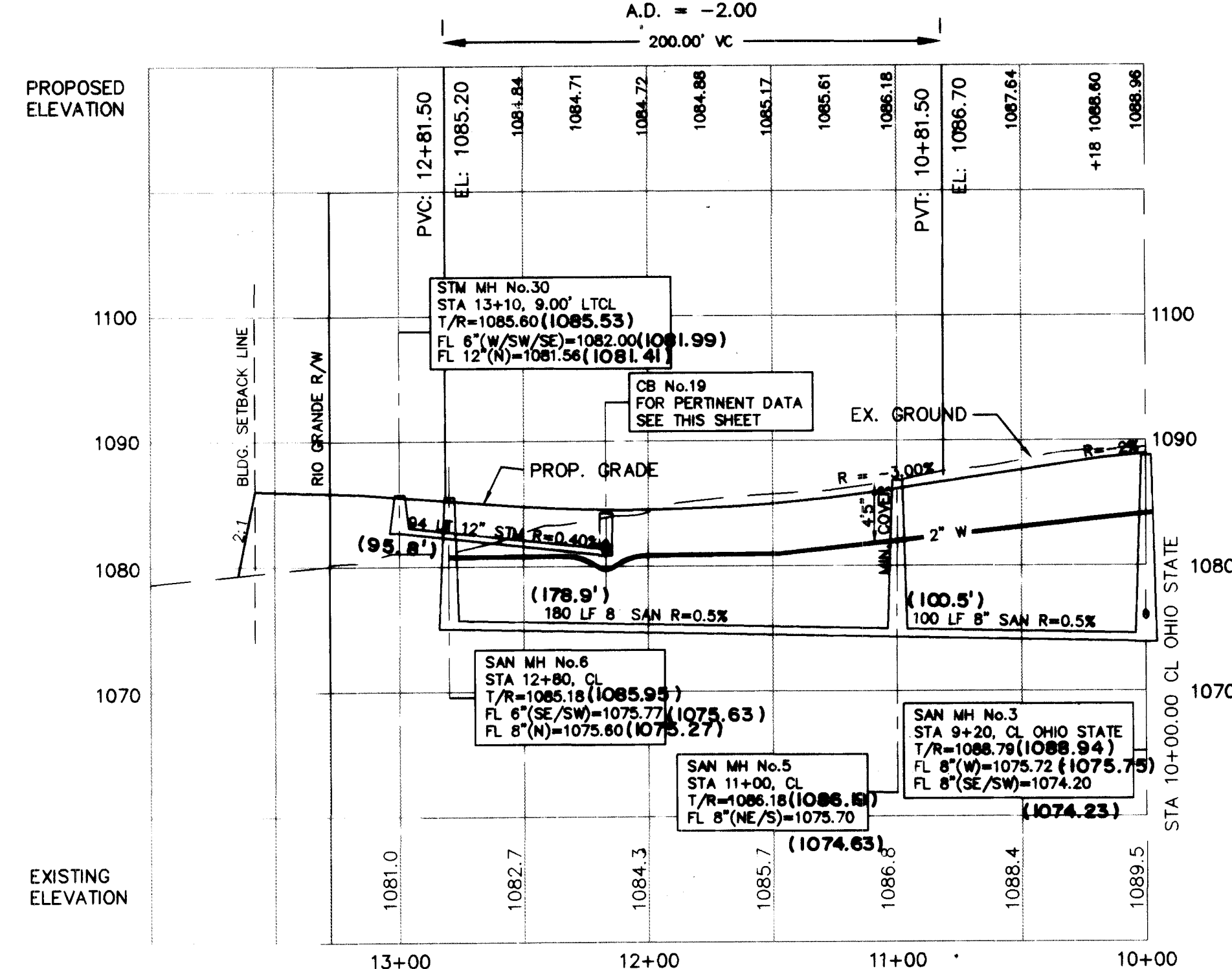
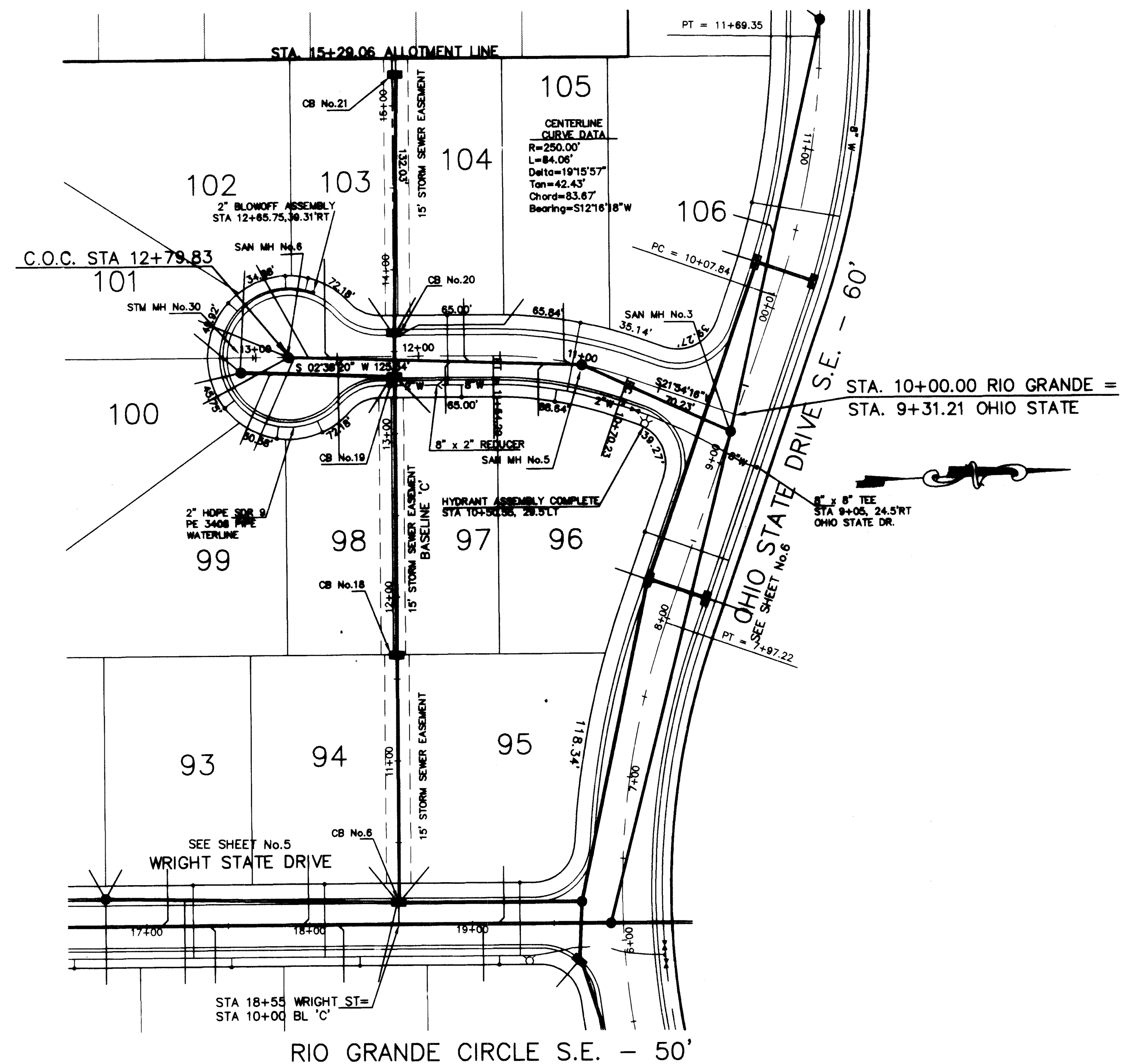
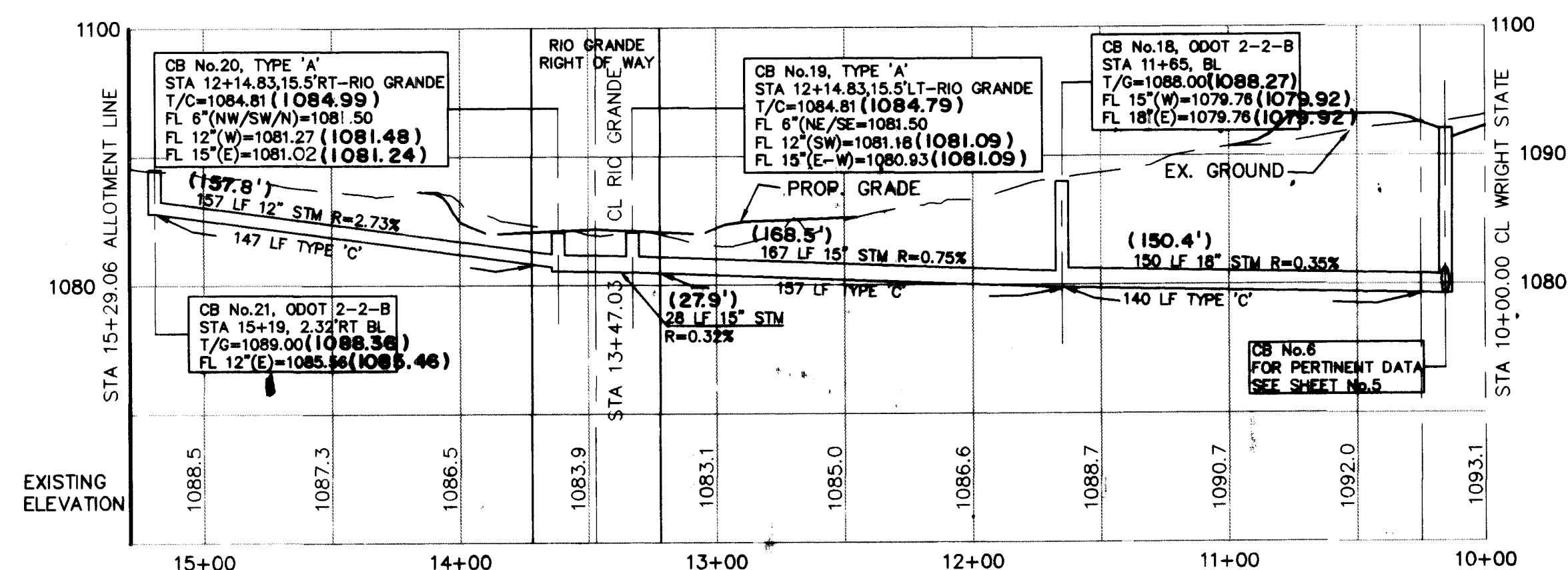


--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1079.735

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A 12" OAK TREE; 42' S 12' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1074.625

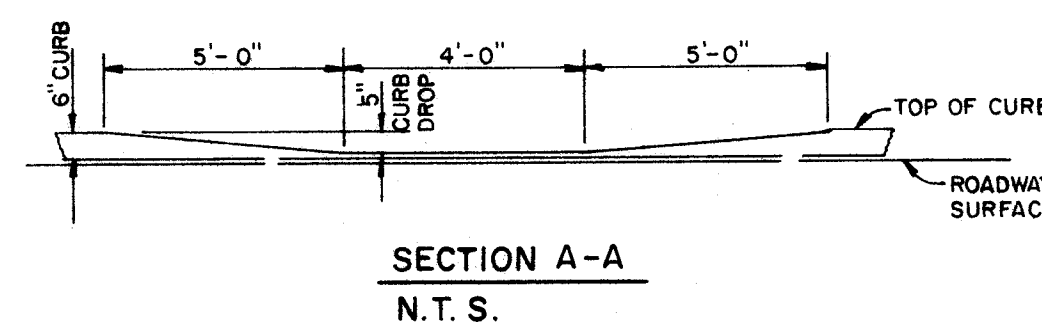
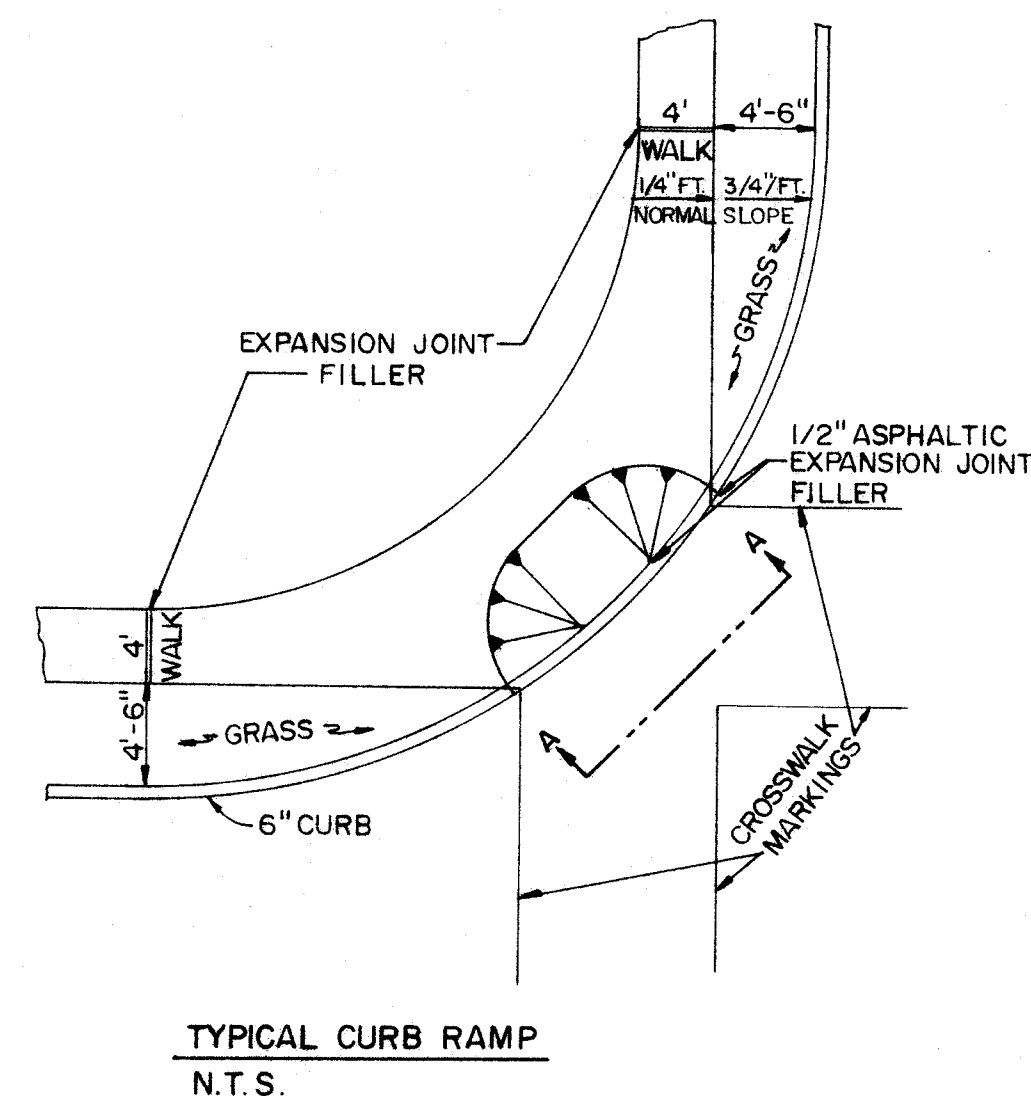
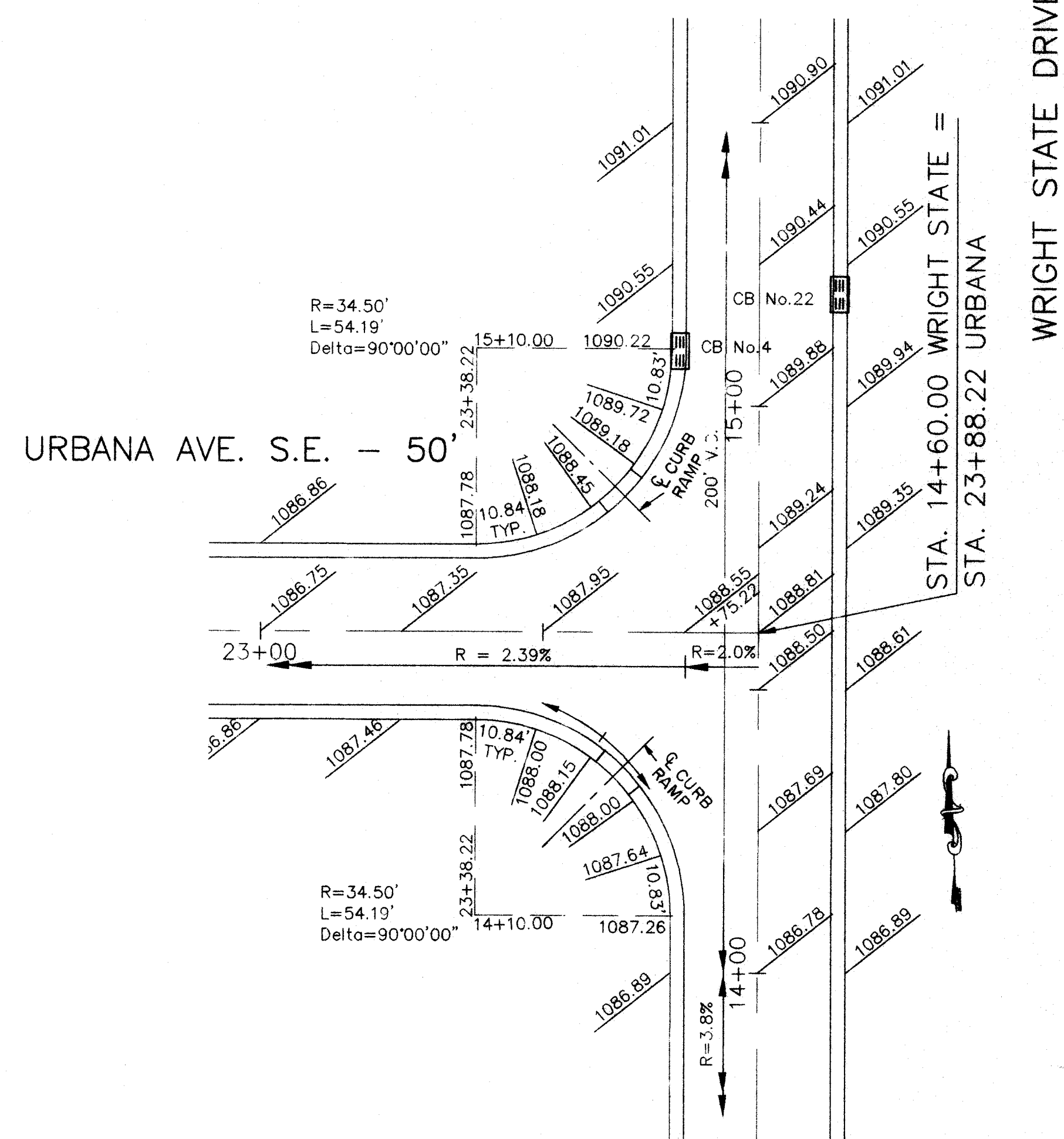
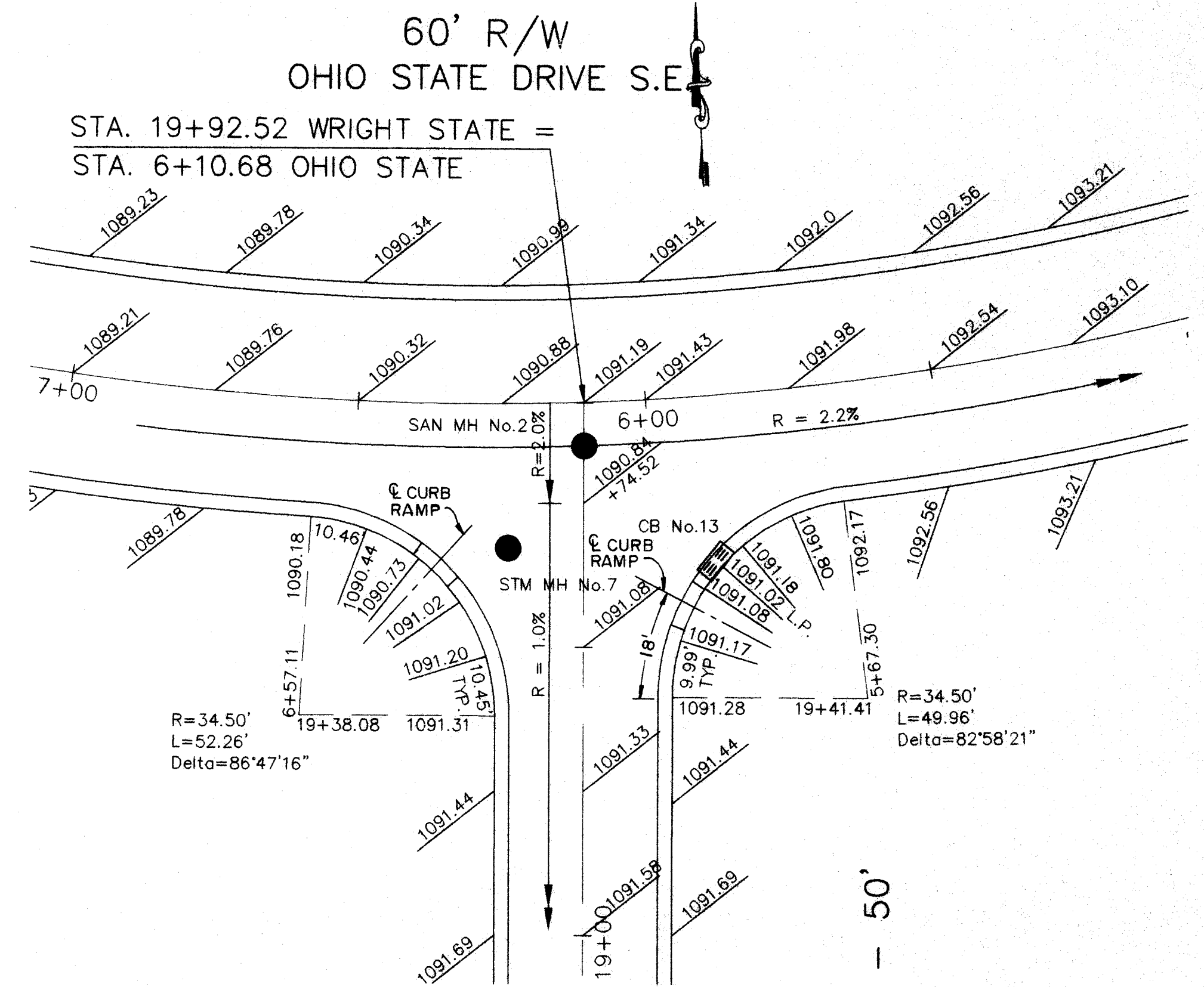
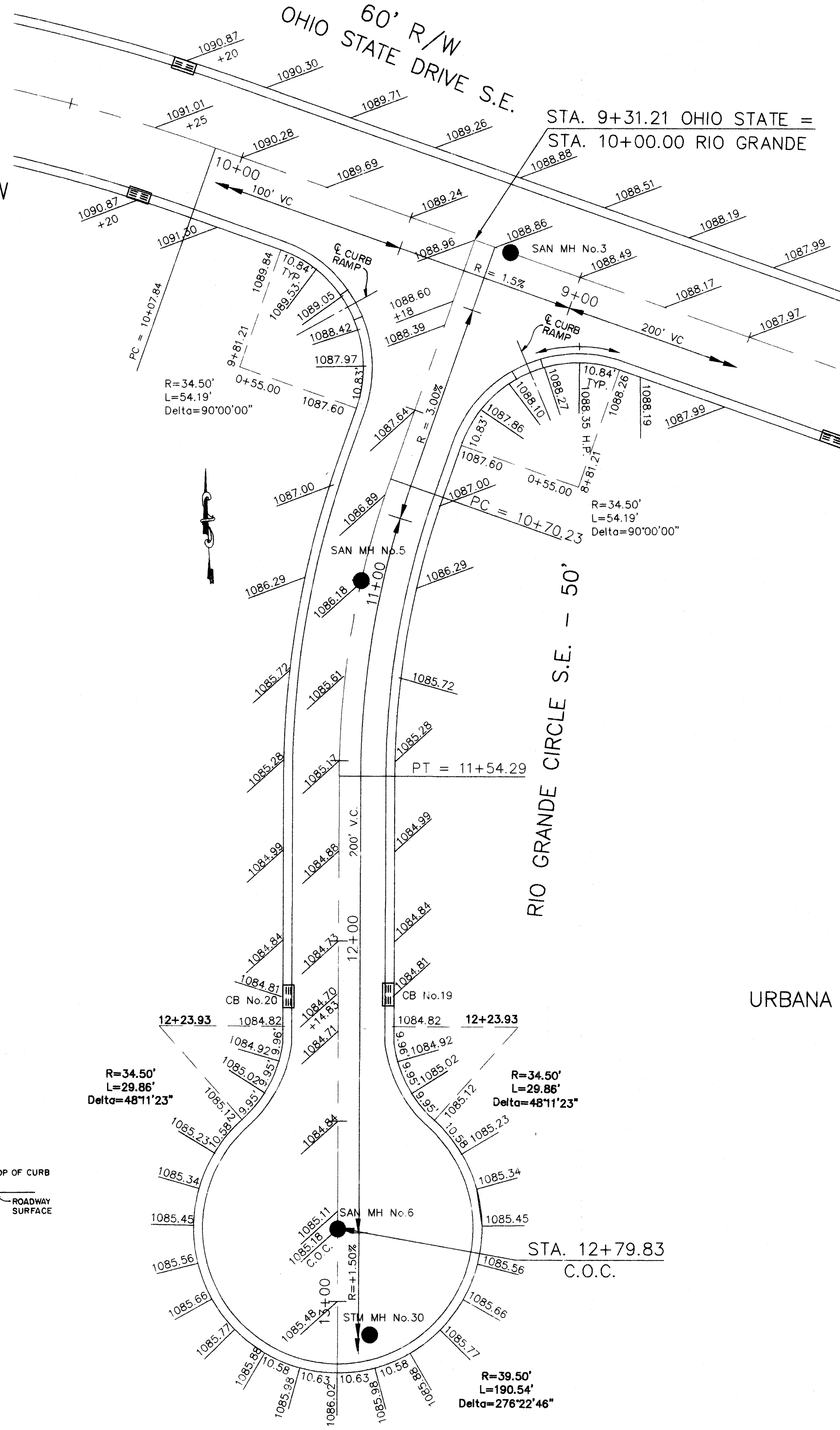
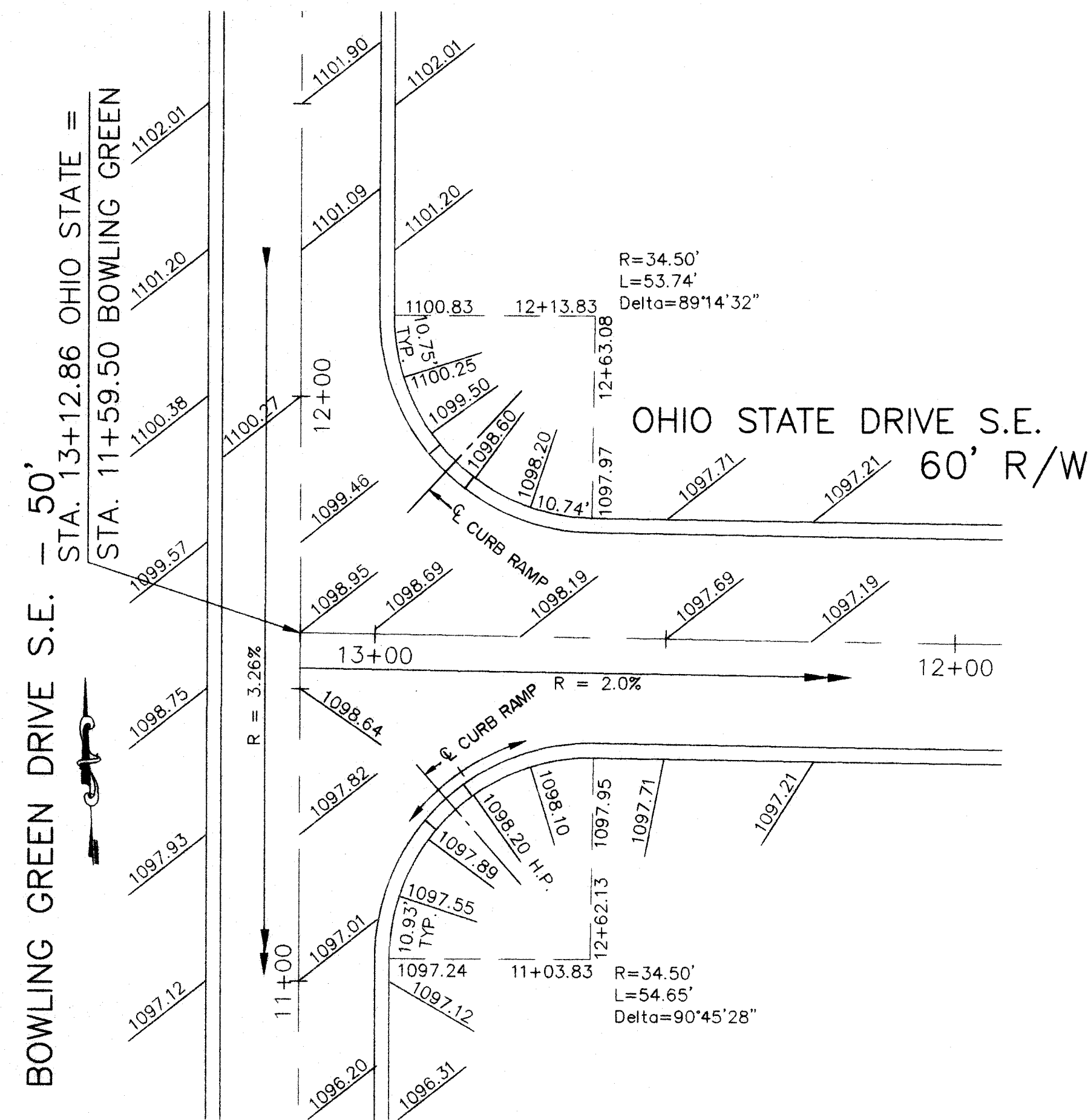


- * A MINIMUM DISTANCE OF 12' VERTICAL AND 4' HORIZONTAL SEPARATION BETWEEN WATERLINE AND STORM SEWERS MUST BE MAINTAINED.
- * A MINIMUM DISTANCE OF 18' VERTICAL AND 10' HORIZONTAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWERS MUST BE MAINTAINED.

BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY),R-9.

ELEV **1079.735**

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV **1074.625**



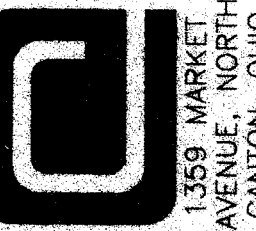
BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV 1079.735

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
8673 PLASTIC YELLOW CAP.
ELEV 1074.625

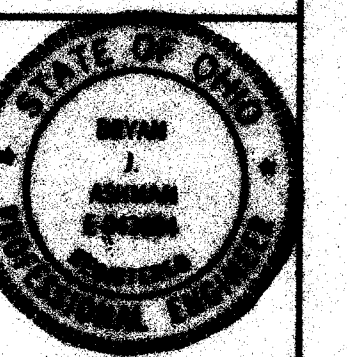
SCALE: 1" = 20'
DATE: APRIL 1999
SHEET: 10 OF 12

BRYAN J. ASHMAN
JEROLD E. GIBB

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS

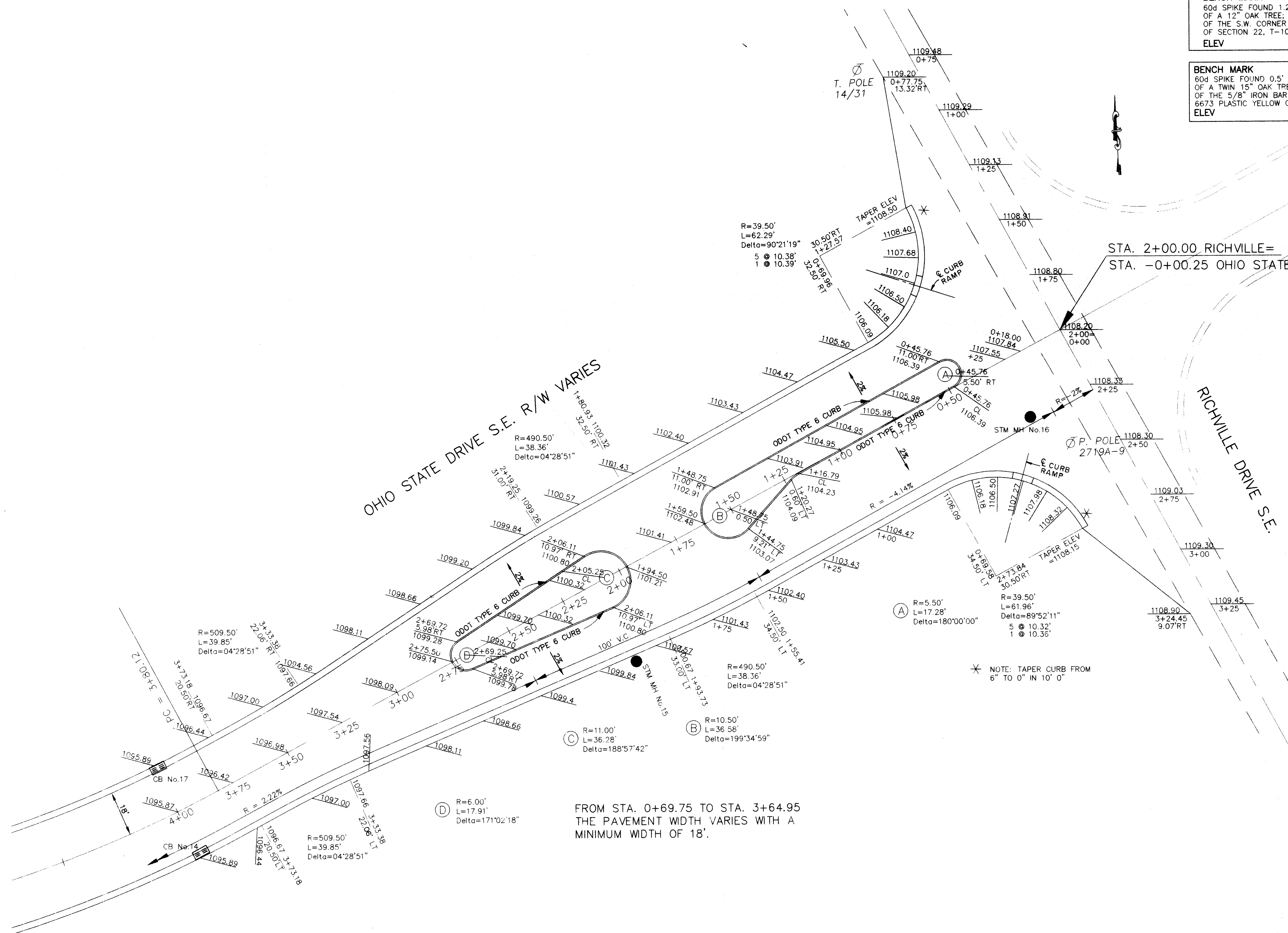


INTERSECTION DETAILS
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.



NO.	DATE	BY	REVISIONS
1	6/13	T.D.	CHB
2	7/20	CHB	CHB
3	7/20	CHB	CHB

DWN BY: C.H.B. CHK'D BY:



BENCH MARK
60d SPIKE FOUND 1.2' UP SOUTH SIDE
OF A 12" OAK TREE; 32.8' N 10' W
OF THE S.W. CORNER OF THE N.W. QTR.
OF SECTION 22, T-10(PERRY), R-9.
ELEV **1079.735**

BENCH MARK
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV **1074.625**

STA. 2+00.00 RICHVILLE=
STA. -0+00.25 OHIO STATE

* NOTE: TAPER CURB FROM
6" TO 0" IN 10' 0"

SCALE: 1" = 20' VERT. N/A
DATE: APRIL 1999
FIELD BOOK No. N/A
SHEET 11 OF 12

BRYAN J. ASHMAN
JEROLD E. GEIB

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
PHONE (330) 452-5731
FAX (330) 452-9110
44714



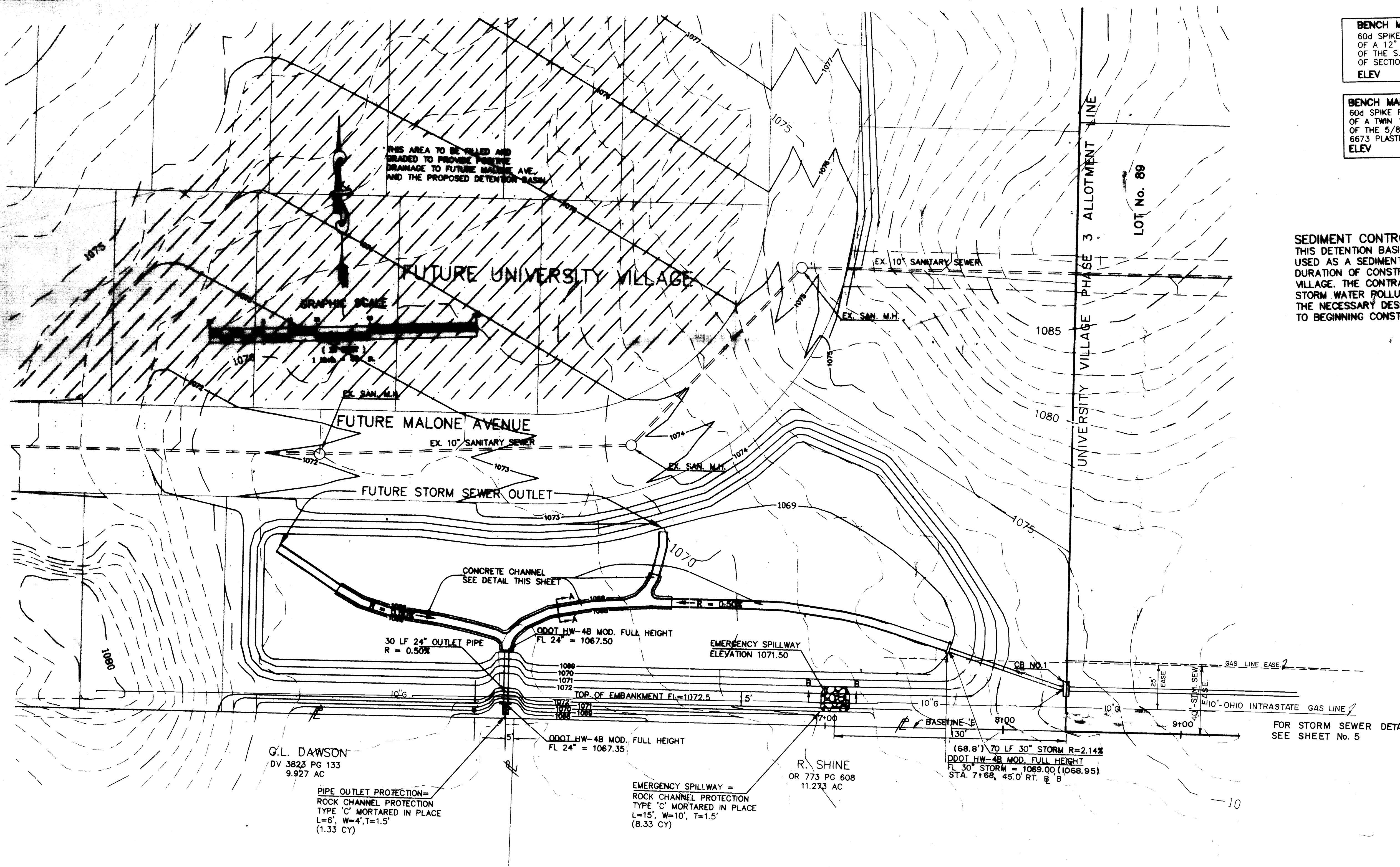
INTERSECTION DETAIL
UNIVERSITY VILLAGE
PHASE 3
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C. LTD.



NO.	DATE	BY	REVISIONS
1	8/3	T.D.	MASS CITY COMMENTS
2	6/30	JEG	GEOMETRY
3			DESCRIPTION
4			REVISIONS

PROJ# 97203C
DWG BY: C.H.B. CHK'D BY:

INTERSECTION DETAIL



BENCH MARK
 60d SPIKE FOUND 1.2' UP SOUTH SIDE
 OF A 12" OAK TREE; 32.8' N 10' W
 OF THE S.W. CORNER OF THE N.W. QTR.
 OF SECTION 22, T-10(PERRY), R-9
ELEV 1079.735

BENCH MARK
 60d SPIKE FOUND 0.5' UP NORTH SIDE
 OF A TWIN 15" OAK TREE; 42' S 12' W
 OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
 6673 PLASTIC YELLOW CAP.
ELEV 1074.625

SEDIMENT CONTROL NOTE:
 THIS DETENTION BASIN IS TO BE MODIFIED AND
 USED AS A SEDIMENT BASIN THROUGHOUT THE
 DURATION OF CONSTRUCTION OF UNIVERSITY
 VILLAGE. THE CONTRACTOR MUST REFER TO THE
 STORM WATER POLLUTION PREVENTION PLAN FOR
 THE NECESSARY DESIGN MODIFICATIONS PRIOR
 TO BEGINNING CONSTRUCTION OF THE DETENTION BASIN.

G.L. DAWSON
 DV 3823 PG 133
 9.927 AC

PIPE OUTLET PROTECTION =
 ROCK CHANNEL PROTECTION
 TYPE 'C' MORTARED IN PLACE
 L=6', W=4', T=1.5'
 (1.33 CY)

ODOT HW-48 MOD. FULL HEIGHT
 FL 24" = 1067.50

EMERGENCY SPILLWAY
 ELEVATION 1071.50

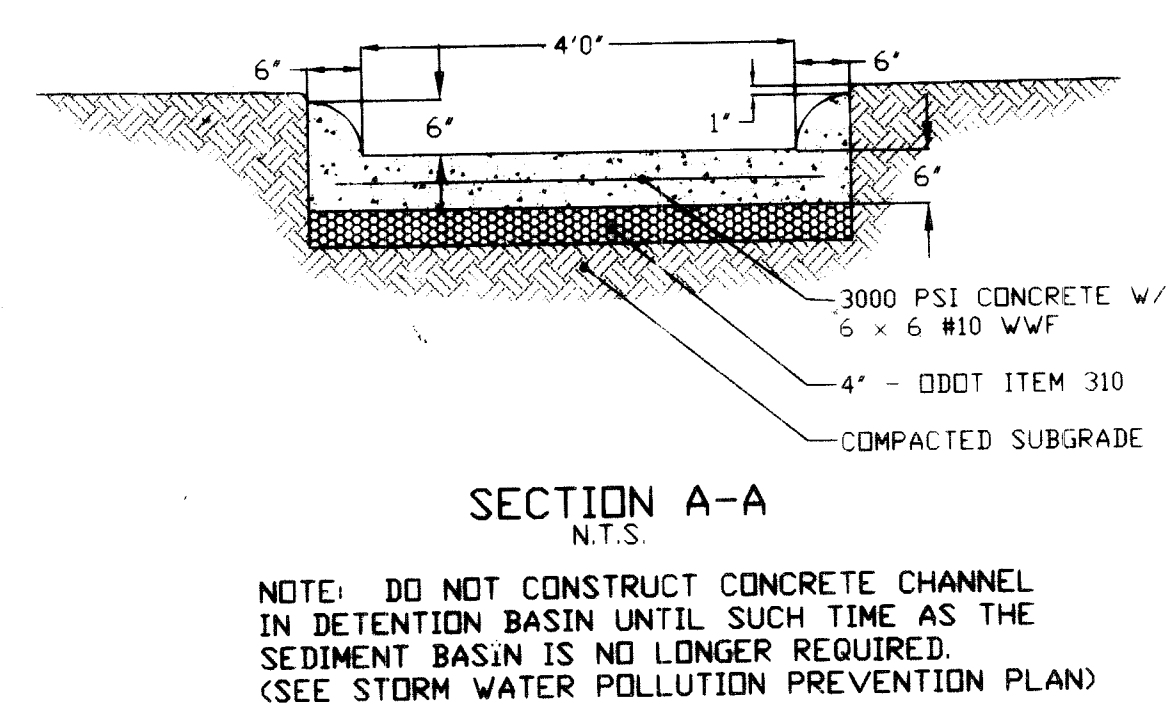
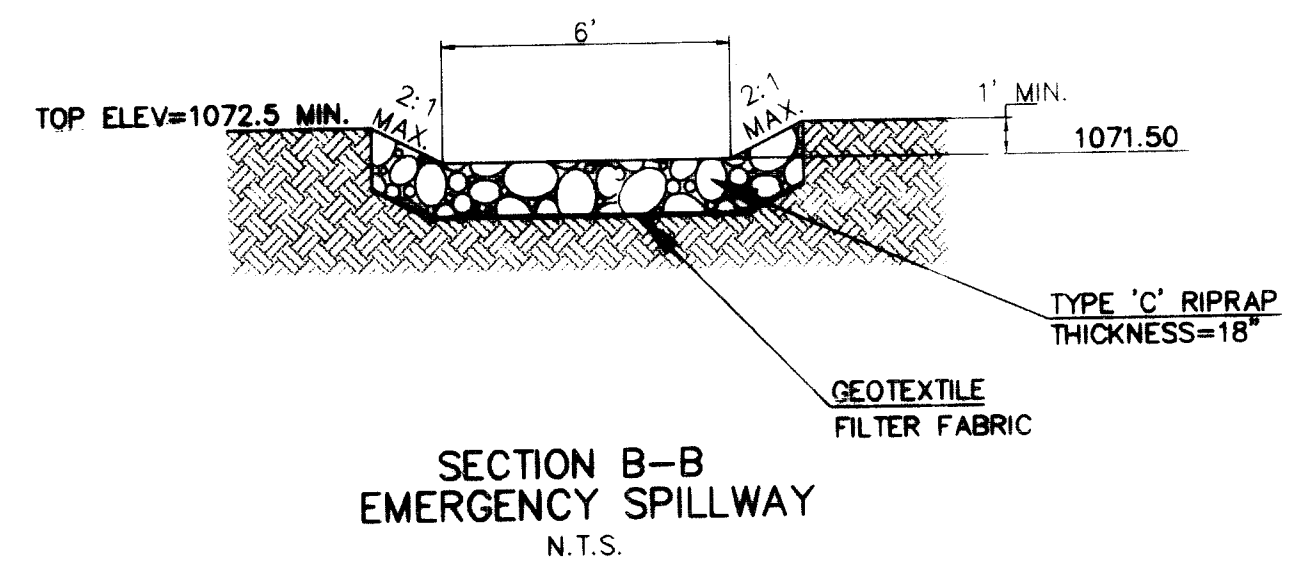
ODOT HW-48 MOD. FULL HEIGHT
 FL 24" = 1067.35

EMERGENCY SPILLWAY =
 ROCK CHANNEL PROTECTION
 TYPE 'C' MORTARED IN PLACE
 L=15', W=10', T=1.5'
 (8.33 CY)

R. SHINE
 OR 773 PG 608
 11.273 AC

(68.8') 70 LF 30" STORM R=2.14%
 ODOT HW-48 MOD. FULL HEIGHT
 FL 30" STORM = 1069.00 (1068.95)
 STA. 7+68, 45.0 RT. @ 8'

FOR STORM SEWER DETAIL
 SEE SHEET No. 5



NOTE: DO NOT CONSTRUCT CONCRETE CHANNEL
 IN DETENTION BASIN UNTIL SUCH TIME AS THE
 SEDIMENT BASIN IS NO LONGER REQUIRED.
 (SEE STORM WATER POLLUTION PREVENTION PLAN)

SCALE: 1" = 30' HOR. 1" = 10' VERT.

DATE: APRIL 1999

FIELD BOOK No. N/A

SHEET 12 OF 12

BRYAN J. ASHMAN
 JEROLD E. GEBB

COOPER & ASSOCIATES, L.L.P.
 ENGINEERS AND SURVEYORS

1350 MARKET AVENUE, NORTH CANTON, OHIO 44714

PHONE (330) 452-5731
 FAX (330) 452-9110

DETENTION BASIN DETAIL
 UNIVERSITY VILLAGE
 PHASE 3
 CITY OF MASSILLON
 STARK COUNTY, OHIO

FOR: P.R.M.D.C. LTD.

STATE OF OHIO
 BRYAN J. ASHMAN
 E-043804
 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISIONS
1	9/23/98	M.L.N.	CHB
2	7/19	CHB	CHB

BASE LINE B' STN. RELOC. 9/23/98
 MASS. CITY COMMENTS
 DESCRIPTION
 DWN BY: C.H.B.-CHK'D BY:

DETENTION BASIN DETAIL 97203C