

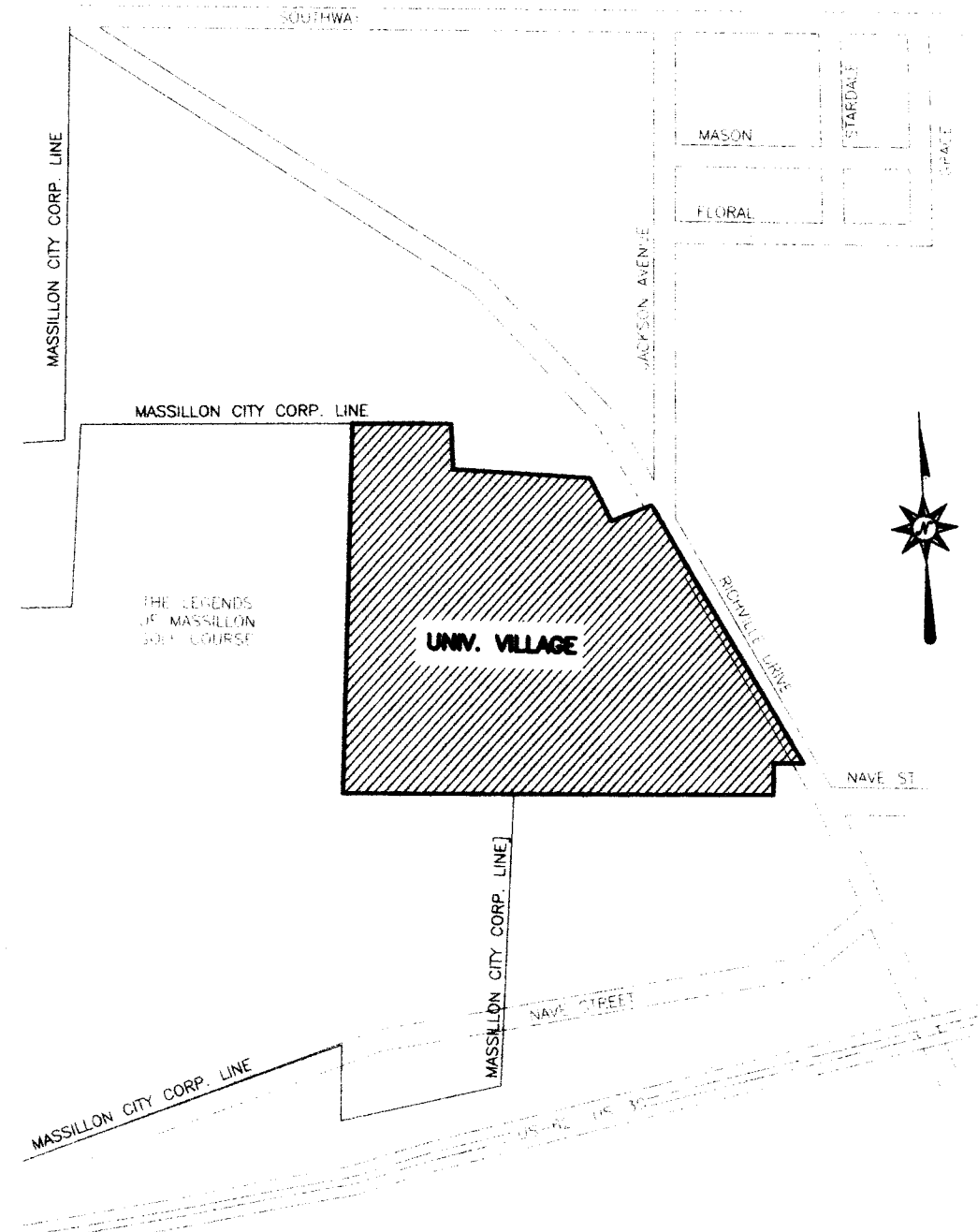
RECORD PLAT
UNIVERSITY VILLAGE PHASE 5

LOCATED IN PART OF O.L. 557 IN THE CITY OF MASSILLON
STARK COUNTY, OHIO

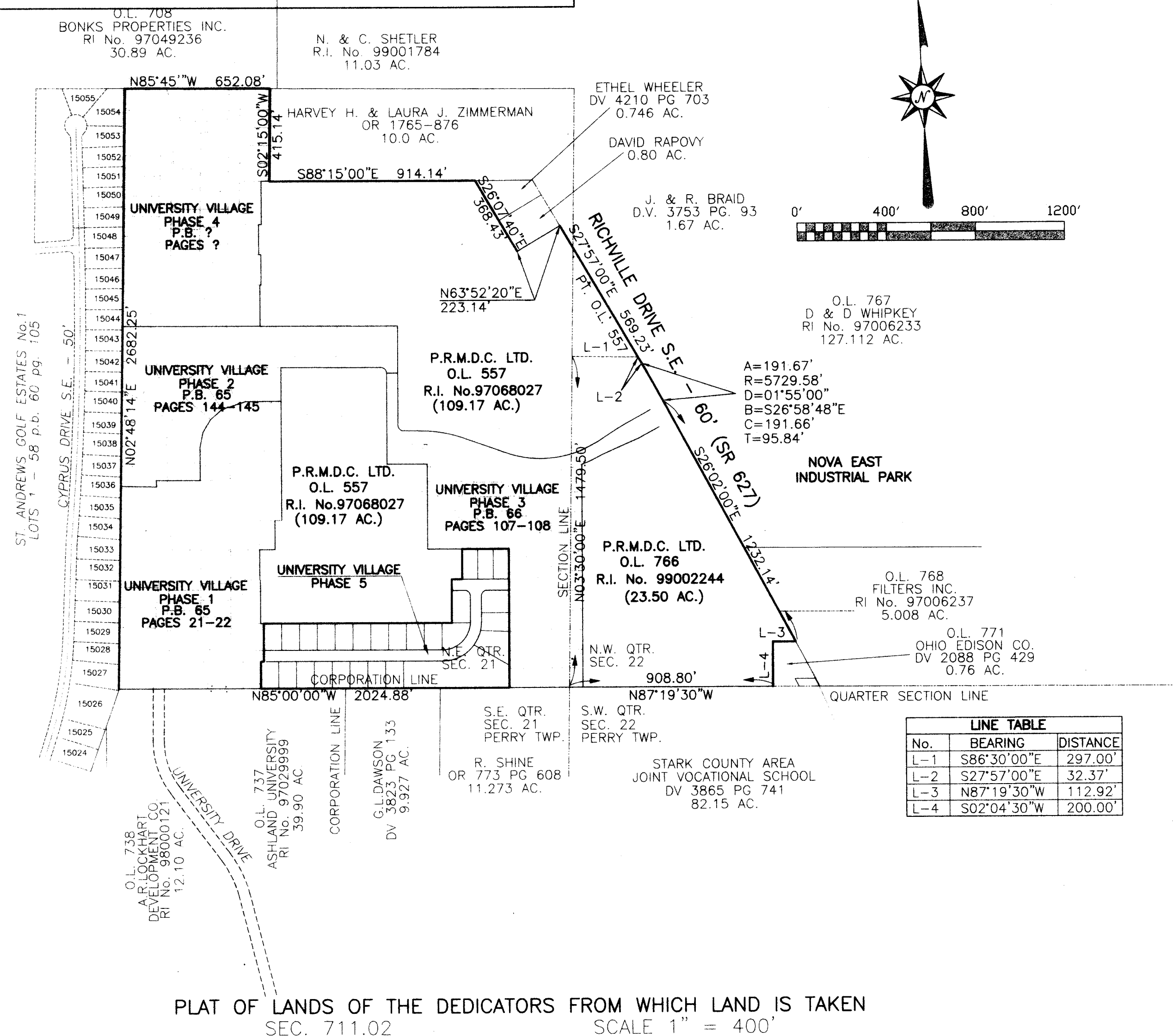
APRIL 2000

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 1.654 Ac.
AREA IN LOTS 7.521 Ac.
TOTAL AREA 9.175 Ac.
TOTAL NUMBER OF LOTS - 27



VICINITY MAP
NOT TO SCALE



PLAT OF LANDS OF THE DEDICATORS FROM WHICH LAND IS TAKEN
SEC. 711.02 SCALE 1" = 400'

REFERENCE DIRECTION

BEARING SYSTEM ESTABLISHED FROM THE
RECORD PLAT OF UNIVERSITY VILLAGE PHASE 1
AS RECORDED IN PLAT BOOK 65 PAGES 21
AND 22 OF THE STARK COUNTY PLAT RECORDS,
USING N87°21'41"W FOR THE SOUTH LINE OF
OUTLOT 557 IN THE CITY OF MASSILLON.

PERTINENT DOCUMENTS

R.I. No. 97068027
R.I. No. 97068026
R.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
R.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. 97049236
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
P.B. 65 PGS. 21-22
P.B. 65 PGS. 144-145
P.B. 66 PGS. 107-108

ACKNOWLEDGEMENTS

I HEREBY CERTIFY THAT THIS IS A CORRECT PLAT OF A SURVEY MADE BY ME THIS _____ DAY
OF _____, 20____ 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.

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 SEWER, STORM SEWER, AND DRAINAGE EASEMENTS AS SHOWN HEREON TO
PUBLIC USE FOREVER.

IN TESTIMONY THEREOF, WE HEREUNTO SET OUR HANDS THIS _____ DAY OF _____
2000.

OWNER- P.R.M.D.C., LTD. WITNESSES

BY FRED W. TOBIN, MANAGING MEMBER

BY JACK L. CUSTER, MEMBER

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 _____ DAY OF _____ 2000.

MY COMMISSION EXPIRES: _____
NOTARY PUBLIC

APPROVED BY THE MASSILLON CITY PLANNING COMMISSION AT A MEETING HELD THIS _____ DAY
OF _____, 200__

CHAIRMAN SECRETARY

APPROVED BY THE MASSILLON CITY ENGINEER THIS _____ DAY OF _____, 200__
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 _____, 200__

MASSILLON CITY LAW DIRECTOR

ACCEPTED BY THE COUNCIL OF THE CITY OF MASSILLON BY ORDINANCE No. _____ PASSED THIS
_____ DAY OF _____, 200__

PRESIDENT CLERK OF COUNCIL

ENTERED FOR TRANSFER BY THE STARK COUNTY AUDITOR THIS _____ DAY OF _____, 200__

STARK COUNTY AUDITOR

RECEIVED FOR RECORD BY THE STARK COUNTY RECORDER THIS _____ DAY OF _____, 200__
PLAT BOOK _____ PAGE _____

STARK COUNTY RECORDER

FEE \$ _____

RECORD PLAT

99266

RECORD PLAT
UNIVERSITY VILLAGE PHASE 5
LOCATED IN PART OF O.L. 557 IN THE CITY OF MASSILLON
STARK COUNTY, OHIO

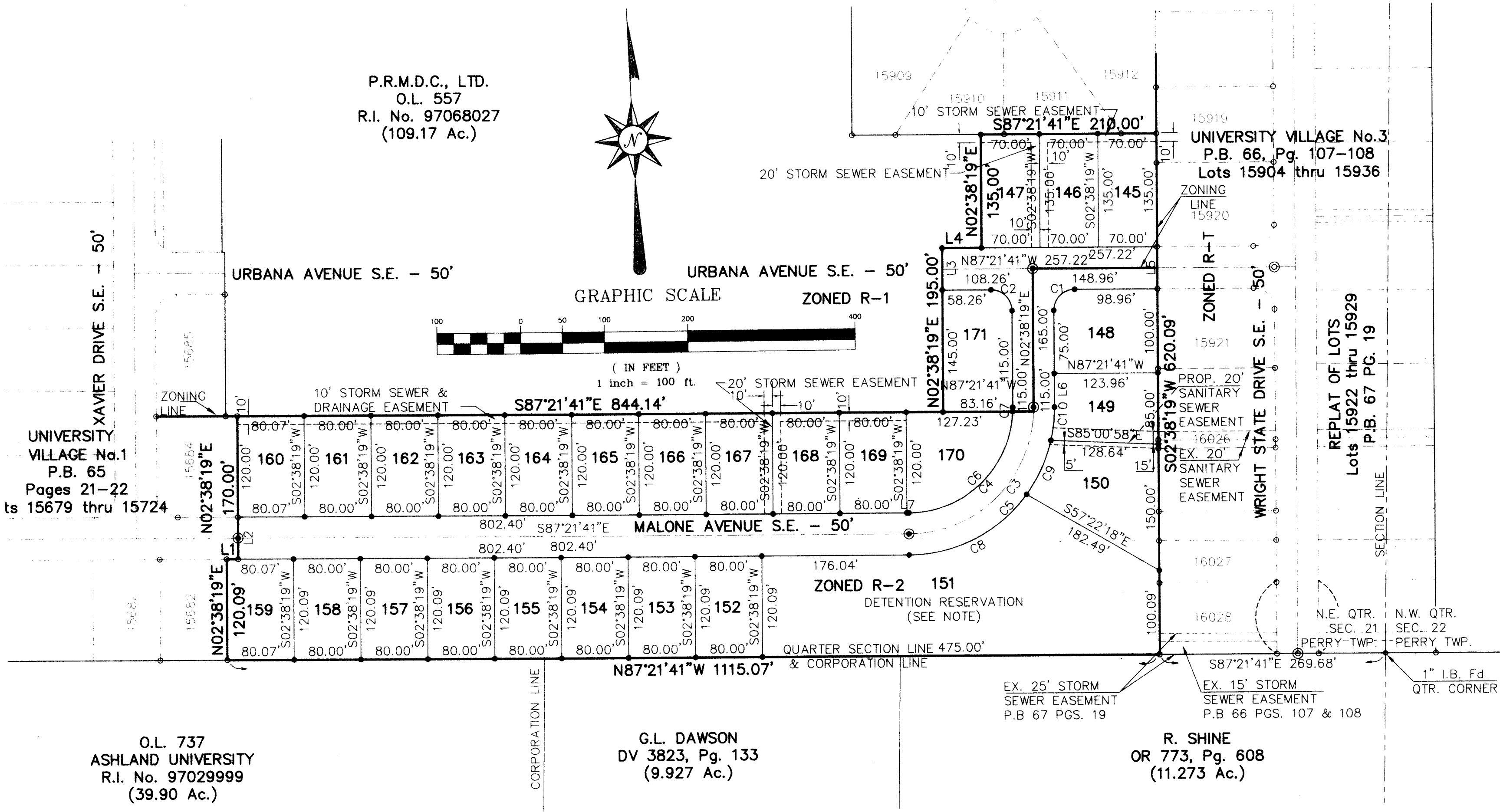
SCALE 1" = 100'

APRIL 2000

— 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

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.



LINE TABLE		
LINE	LENGTH	BEARING
1	13.71	S87°21'41"E
2	50.00	S02°38'19"W
3	50.00	S02°38'19"W
4	47.22	S87°21'41"E
5	50.00	N02°38'19"E
6	40.00	N02°38'19"E
7	2.33	N87°21'41"W

CURVE TABLE						
NUMBER	LENGTH	RADIUS	DELTA ANGLE	TANGENT	CHORD	BEARING
1	39.27	25.00	90°00'00"	25.00	35.36	S47°38'19"W
2	39.27	25.00	90°00'00"	25.00	35.36	N42°21'41"W
3	235.62	150.00	90°00'00"	150.00	212.13	N47°38'19"E
4	196.35	125.00	90°00'00"	125.00	176.78	N47°38'19"E
5	274.89	175.00	90°00'00"	175.00	247.49	N47°38'19"E
6	191.35	125.00	87°42'27"	120.10	173.21	N48°47'05"E
7	5.00	125.00	02°17'33"	2.50	5.00	N03°47'05"E
8	163.79	175.00	53°37'34"	88.45	157.88	N65°49'32"E
9	71.01	175.00	23°14'59"	36.00	70.53	N27°23'16"E
10	40.09	175.00	13°07'27"	20.13	40.00	N09°12'03"E

LOT NUMBER AND AREA TABLE		
LOT NUMBER	CITY LOT OR OUTLOT NUMBER	AREA (ACRES)
145		0.217
146		0.217
147		0.217
148		0.282
149		0.236
150		0.364
151		1.472
152		0.2205
153		0.2205
154		0.2205
155		0.2205
156		0.2205
157		0.2205
158		0.2205
159		0.2207
160		0.2206
161		0.2204
162		0.2204
163		0.2204
164		0.2204
165		0.2204
166		0.2204
167		0.2204
168		0.2204
169		0.2204
170		0.274
171		0.274
TOTAL		7.521

- LEGEND —
- IRON BAR TO BE SET AT ALL LOT CORNERS AND CURVE POINTS
 - ⊙ MONUMENT SET
 - IRON PIPE OR BAR FOUND (AS NOTED)
 - ⊙ MONUMENT FOUND

SCALE
HORIZ. 1" = 100' VERT. 1" = 10' N/A

DATE: APRIL 2000

FIELD BOOK No. N/A

SHEET 2 OF 2

BRYAN J. ASHMAN
JEROLD E. GEB

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

1350 MARKET
AVENUE NORTH
CANTON, OHIO 44705
PHONE (330) 452-8731
FAX (330) 452-9100

RECORD PLAT

UNIVERSITY VILLAGE PHASE 5

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

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

PROJ. # 99266

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

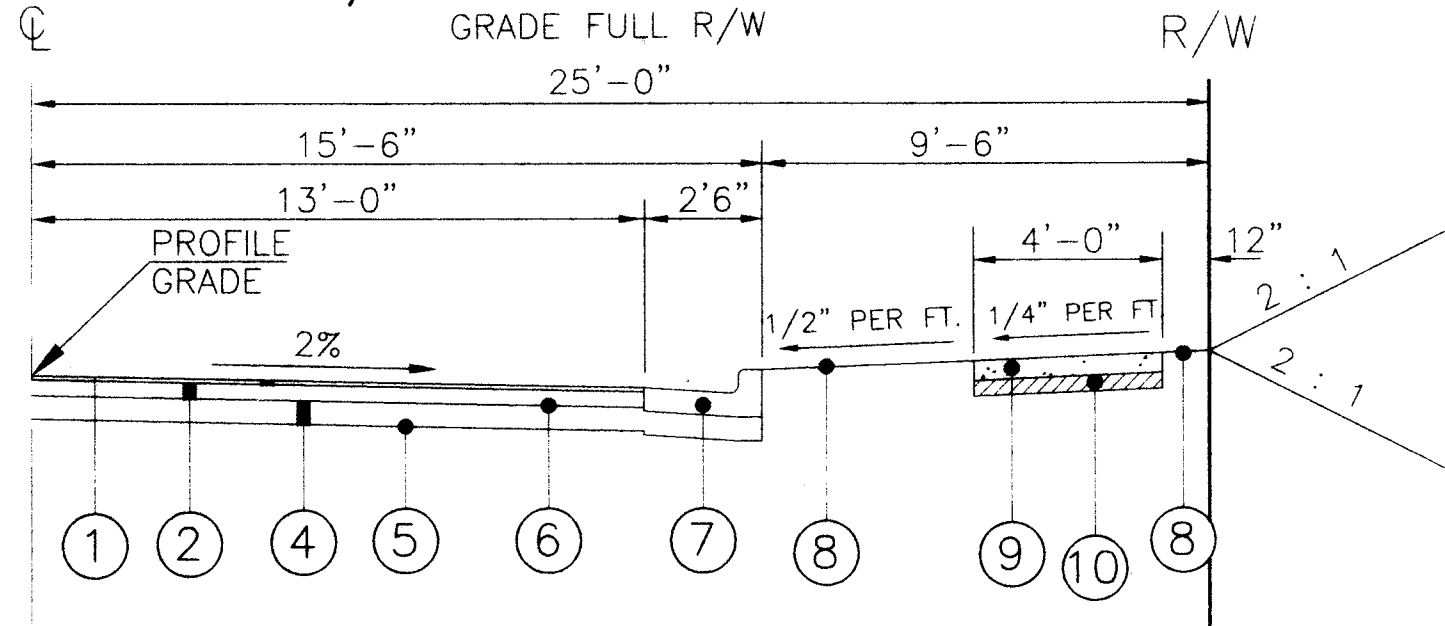
GENERAL NOTES

- 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. S81) AVAILABLE FROM THE CITY ENGINEER.
- CONTRACTOR SHALL CONTACT CITY OF MASSILLON ENGINEERING DEPT. AT 330-830-1722 AT LEAST 3 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 CITY SHALL INSTALL, AT THE DEVELOPER'S 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 AT LEAST 24 HOURS PRIOR TO ANY PAVING.

SANITARY SEWER NOTES

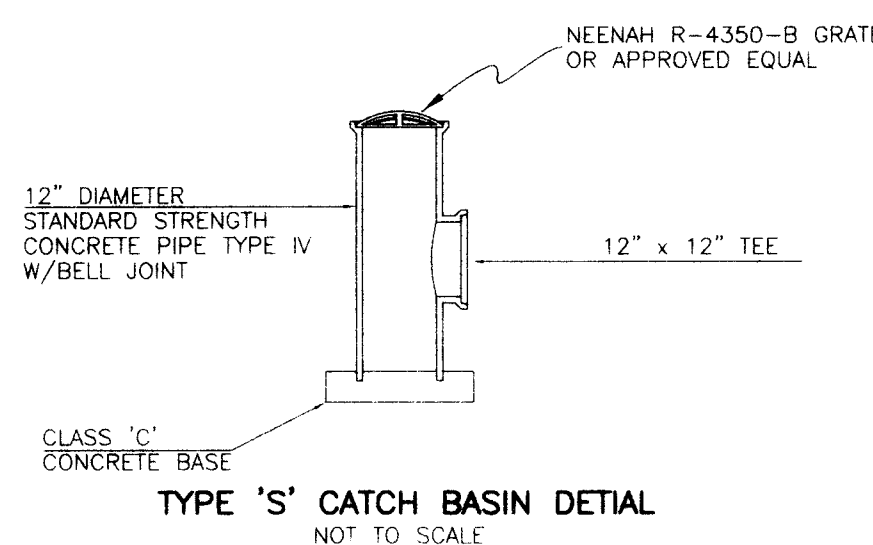
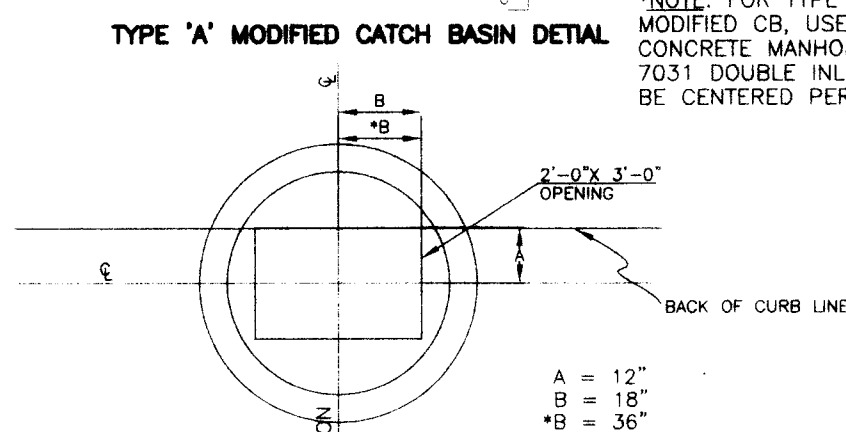
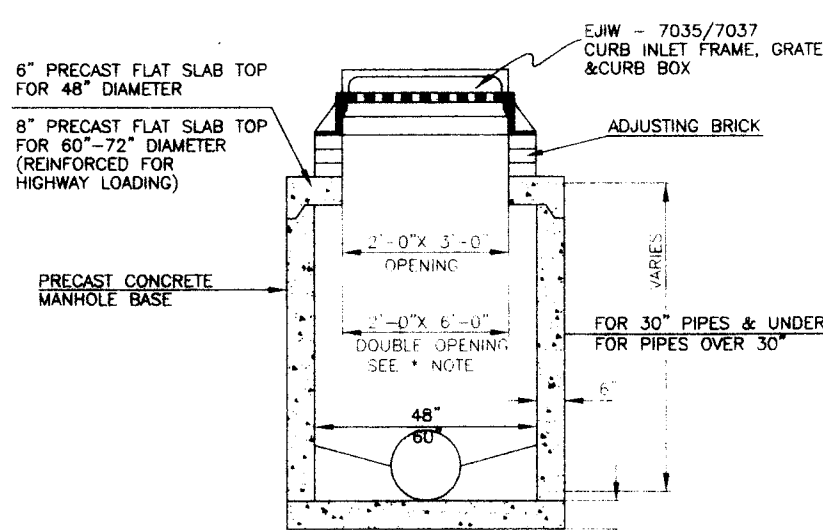
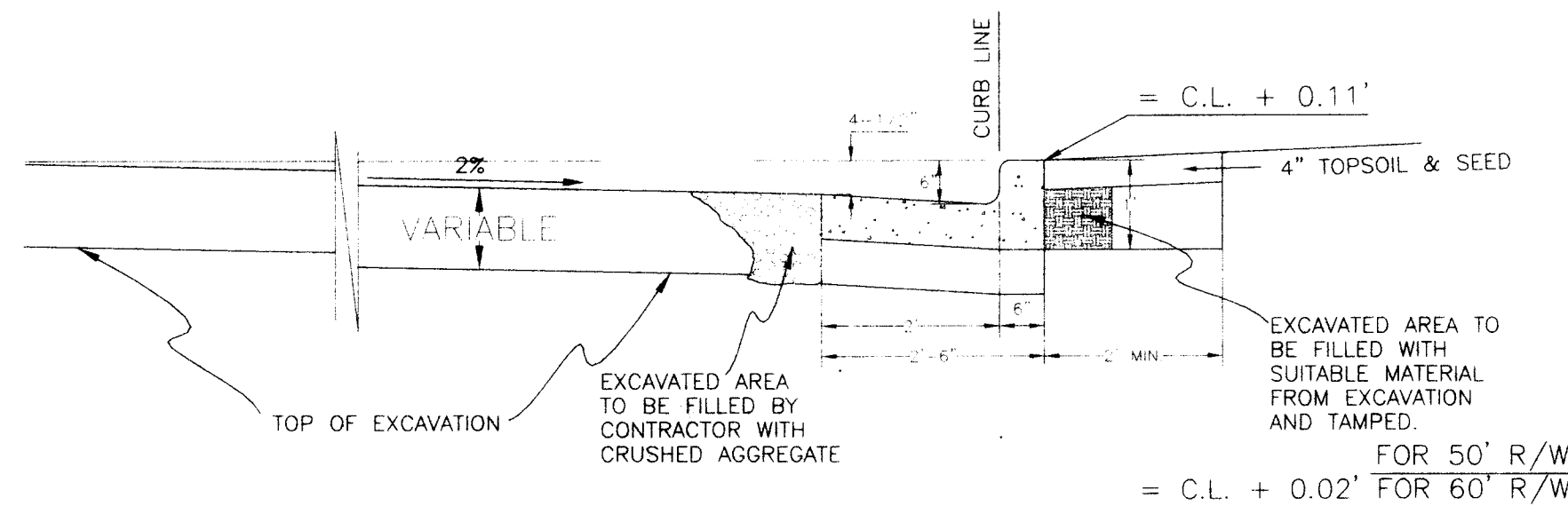
- ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO MASSILLON CITY ENGINEERING DEPARTMENT SPECIFICATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- FIRST FLOOR ELEVATION FOR BUILDING 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 VIDEOTAPE TO THE SANITARY ENGINEERING DEPARTMENT. THE VIDEOTAPE 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 3 DAYS 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, BEDDING PER ASTM-2321.
- 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 SERVICE LATERALS SHALL EXTEND INTO THE LOT 10' BEYOND R/W OR BEYOND FURTHEST UTILITY LINE - WHICHEVER IS GREATER.

50' R/W TYPICAL HALF SECTION



- 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	5,033	S.Y.	SUBGRADE COMPACTION
203	-	C.Y.	ROADWAY EXCAVATION NOT INCL. EMBANK. CONST.
203	-	C.Y.	ROADWAY EMBANKMENT
203	-	C.Y.	EXCAVATION OUTSIDE ROADWAY
203	-	C.Y.	EMBANKMENT OUTSIDE ROADWAY
203	LUMP	L.S.	EROSION AND SEDIMENT CONTROL PER SWP3
ROADWAY			
301	472	C.Y.	BITUMINOUS AGGREGATE BASE(4")
304	839	C.Y.	6" AGGREGATE BASE (2-3" COURSES)
404	177	C.Y.	1-1/2" ASPHALT CONCRETE
408	1,699	GAL.	PRIME COAT (0.04 GAL. PER SQ.YD.)
409	-	C.Y.	SEAL COAT COVER AGGREGATE(0.008 C.Y./SQ.YD.)
409	-	GAL.	SEAL COAT BITUMINOUS MATERIAL (0.3 GAL./SQ. YD.)
604	4	EACH	STANDARD CITY MONUMENTS (ODOT STANDARD)
609	-	L.F.	ODOT TYPE 6 CURB
609	2,829	L.F.	MASSILLON STANDARD CURB AND GUTTER
609	1,720	S.Y.	SEEDING AND MULCHING (ROADWAY)
659	-	L.S.	SEEDING AND MULCHING (OUTSIDE ROADWAY)
608	2	EACH	CURB RAMP (TO BE PERFORMANCE BY HOMEBUILDER)
608	11,300	S.F.	4" CONCRETE WALK(TO BE PERFORMANCE BY HOMEBUILDER)
304	140	C.Y.	4" AGG. BASE UNDER WALK(TO BE PERFORMANCE BY HOMEBUILDER)
SANITARY SEWER			
603	404	L.F.	6" SANITARY SEWER PIPE (LATERALS)
603	405	L.F.	8" SANITARY SEWER PIPE
603	4	EACH	8" x 6" WYES
604	21.72	V.F.	(2) SANITARY MANHOLES (COMPLETE)
604	-	V.F.	(-) 8" DROP ATTACHMENT
604	1	EACH	8" PLUG & MARKER
604	4	EACH	ADJUST MANHOLE RIMS TO PROPOSED GRADE
STORM SEWER			
603	531	L.F.	12" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	841	L.F.	12" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	240	L.F.	15" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	161	L.F.	18" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	-	L.F.	15" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	352	L.F.	24" STORM SEWER (SEE NOTE 16) TYPE 'B'
603	83	L.F.	24" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	-	L.F.	30" STORM SEWER (SEE NOTE 16) TYPE 'C'
603	829	L.F.	6" STORM SEWER (SEE NOTE 16 & 17) TYPE 'B'
603	-	L.F.	6" PVC DOWNSPOUT LATERAL
603	1	EACH	18" PLUG & MARKER
604	5	EACH	CATCH BASIN TYPE 'A'
604	2	EACH	CATCH BASIN TYPE 'A' (MOD.)
604	3	EACH	CATCH BASIN TYPE 'S'
604	2	EACH	CATCH BASIN TYPE 2-2-B
604	-	EACH	CATCH BASIN TYPE 2-4-B
604	1	EACH	STORM MANHOLE (COMPLETE)
604	-	EACH	STORM SEWER CLEANOUT
604	2	EACH	HEADWALL ODOT TYPE 4B (MOD. FULL HEIGHT) 2@24"
601	-	C.Y.	DUMPED ROCK CHANNEL PROTECTION TYPE 'C'
601	-	C.Y.	DUMPED ROCK CHANNEL PROTECTION TYPE 'C'MORTARED IN PLACE
608	-	L.F.	DETENTION BASIN CONCRETE CHANNEL
WATERLINE			
814	-	L.F.	4" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 W/POLYWRAP
814	1,485	L.F.	8" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 W/POLYWRAP
814	-	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	-	EACH	8" x 8" MJ TEE
814	-	EACH	2" GATE VALVE W/BOX
814	2	EACH	8" GATE VALVE W/BOX
814	-	EACH	2" CURB STOP
814	-	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	2	EACH	8"-45" BEND
814	-	EACH	" " BEND
814	-	EACH	" " BEND
814	-	EACH	8" x 2" REDUCER
814	1	EACH	2" BLOW OFF ASSEMBLY
814	2	EACH	REMOVE 8" POJ PLUG W/2" TAP BLOW OFF
814	1	EACH	8" POJ PLUG & MARKER
814	-	EACH	FIRE HYDRANT REMOVED AND RESET
814	2	EACH	FIRE HYDRANT ASSEMBLY, COMPLETE
814	27	EACH	1" WATER SERVICE CONNECTION W/CURB BOX
814	1	EACH	8" TEE

APPROVED BY THE MASSILLON CITY ENGINEER
THIS 17th DAY OF MAY, 2002

James J. Bunker
MASSILLON CITY ENGINEER

ENGINEERS ESTIMATE

TOTAL L.F. ROADWAY	1,460.25	\$ 152,600
TOTAL L.F. SANITARY SEWER	809	\$ 32,000
TOTAL L.F. STORM SEWER	3,038	\$ 115,000

TYPICAL SECTION & QUANTITIES

UNIVERSITY VILLAGE PHASE 5

CITY OF MASSILLON
STARK COUNTY, OHIO

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

CITY OF MASSILLON	5/3	CHB	5/11	DATE	REVISIONS	DWN BY: C.H.B.-CHK'D BY:
CITY OF MASSILLON	7/20	CHB	5/11	S.R.		
CWC						

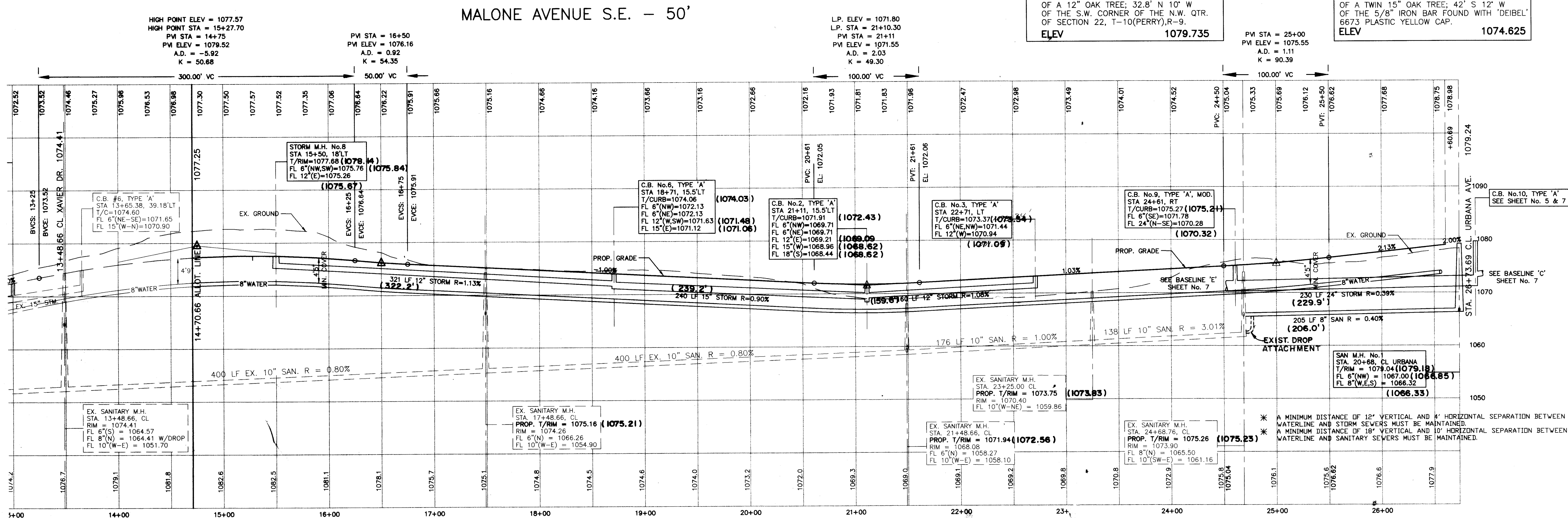
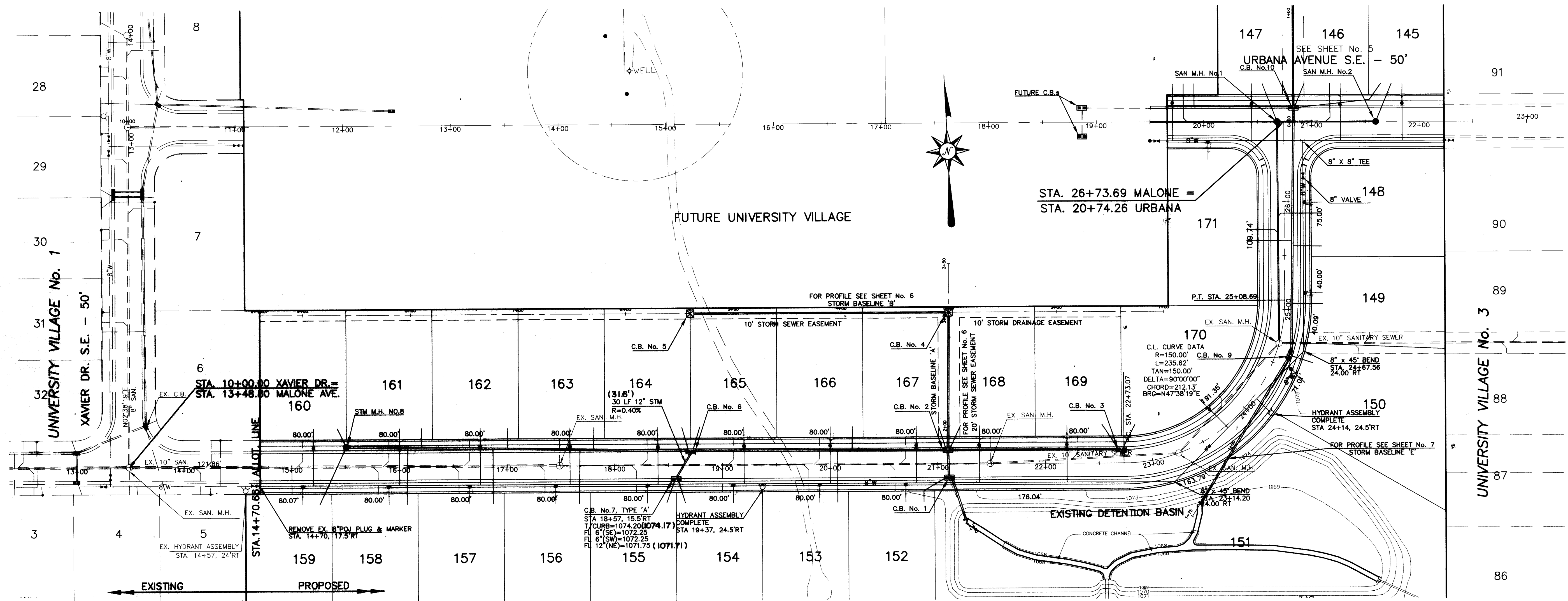
SCALE	N/A	VERT	N/A
HOR	N/A	DATE	APRIL 2000
FIELD BOOK No.	N/A	SHEET	3 OF 7

BRYAN J. ASHMAN
JEROLD E. SEIB

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

1359 MARKET AVENUE, NORTH CANTON, OHIO 44704
PHONE: 330-452-5733 FAX: 330-452-3110

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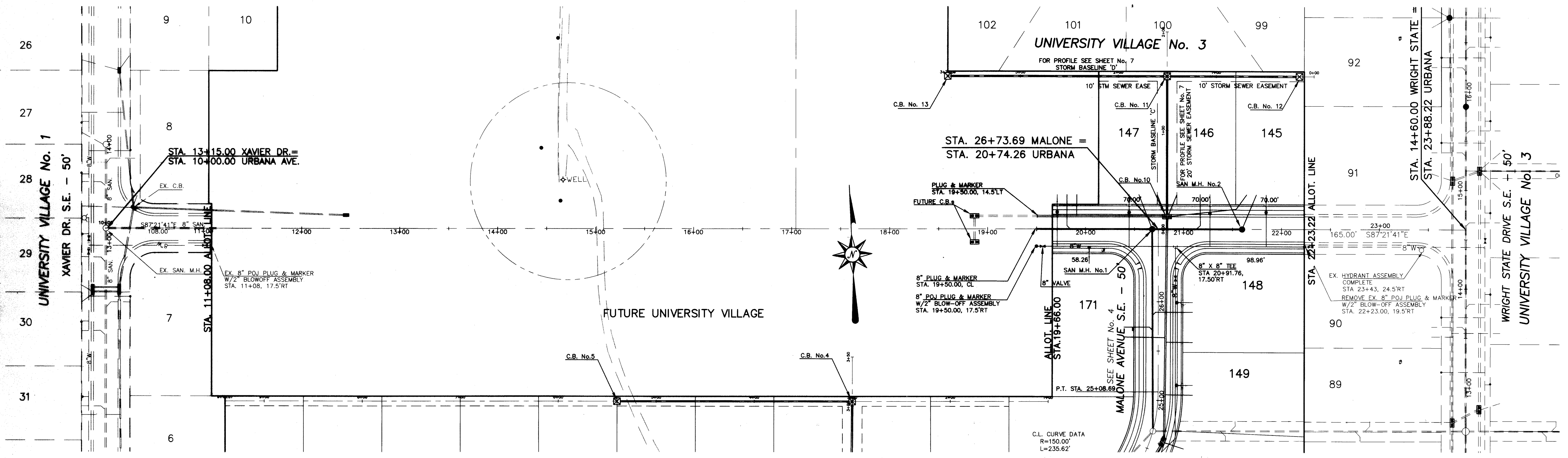


MALONE AVE.

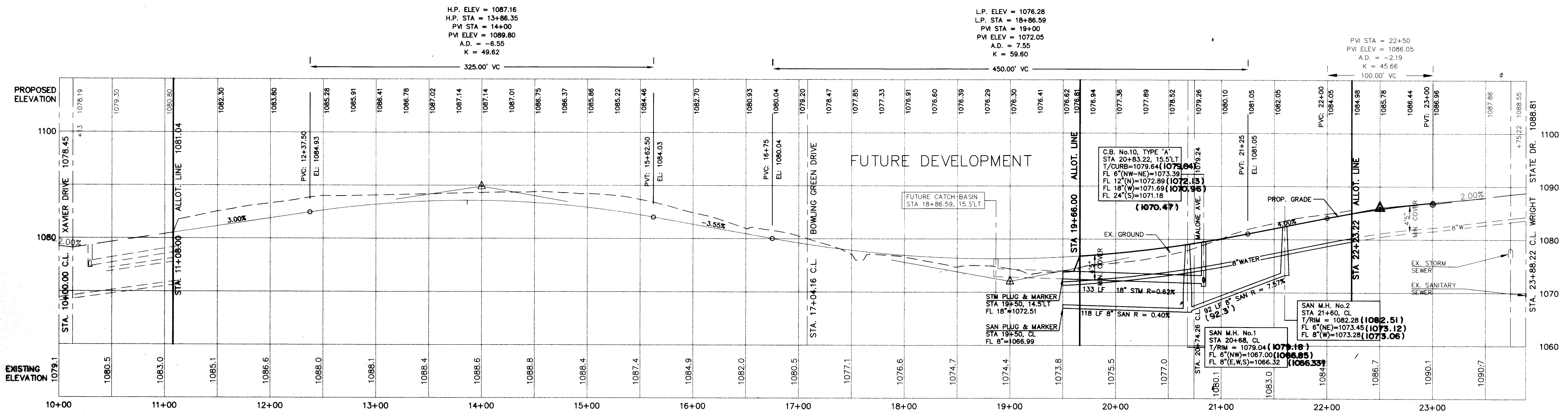
PLAN & PROFILE SHEET		UNIVERSITY VILLAGE		PHASE 5		CITY OF MASSILLON		STARK COUNTY, OHIO		FOR : P.R.M.D.C. LTD.	
BRYAN J. ASHMAN		COOPER & ASSOCIATES, L.L.P.		ENGINEERS AND SURVEYORS		1353 MARKET AVENUE, NORTH CANTON, OHIO 44714		PHONE (330) 452-5731		FAX (330) 452-9110	
DATE: APRIL 2000		SCALE: HOR. 1" = 50' - VER. 1" = 10'		FIELD BOOK No. N/A		SHEET 4		OF 7			
MASSILLON COMMENTS		CHB		DATE		BY		REVISIONS		DRAWN BY: C.H.B. CHK'D BY:	

99 50 05

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URBANA AVENUE S.E. - 50'



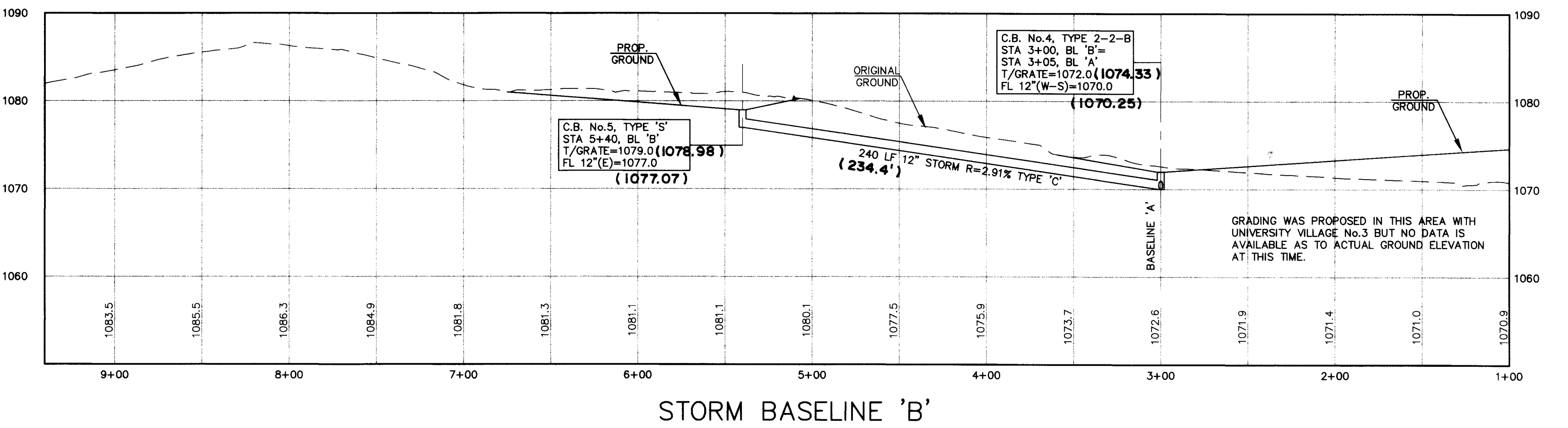
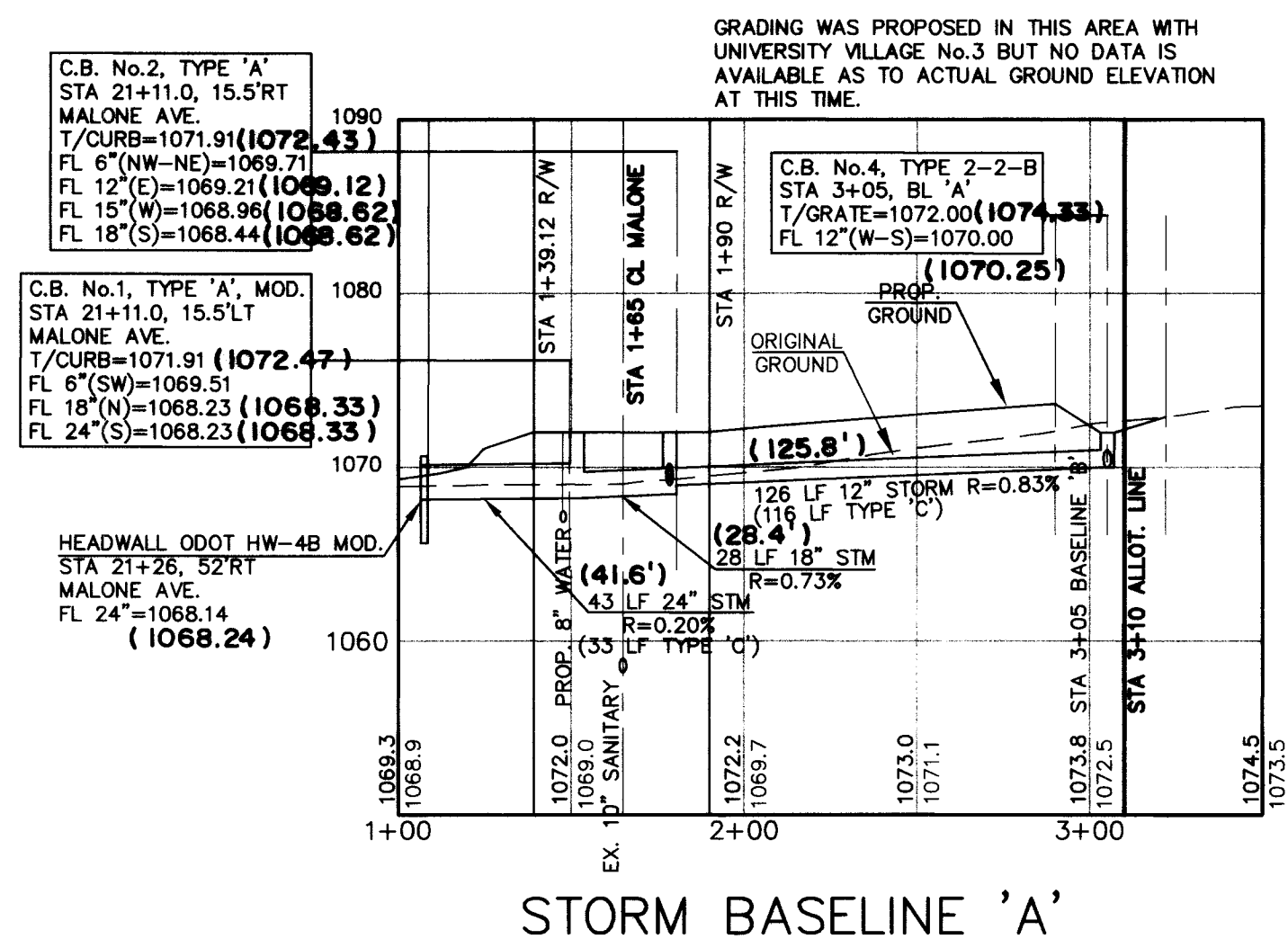
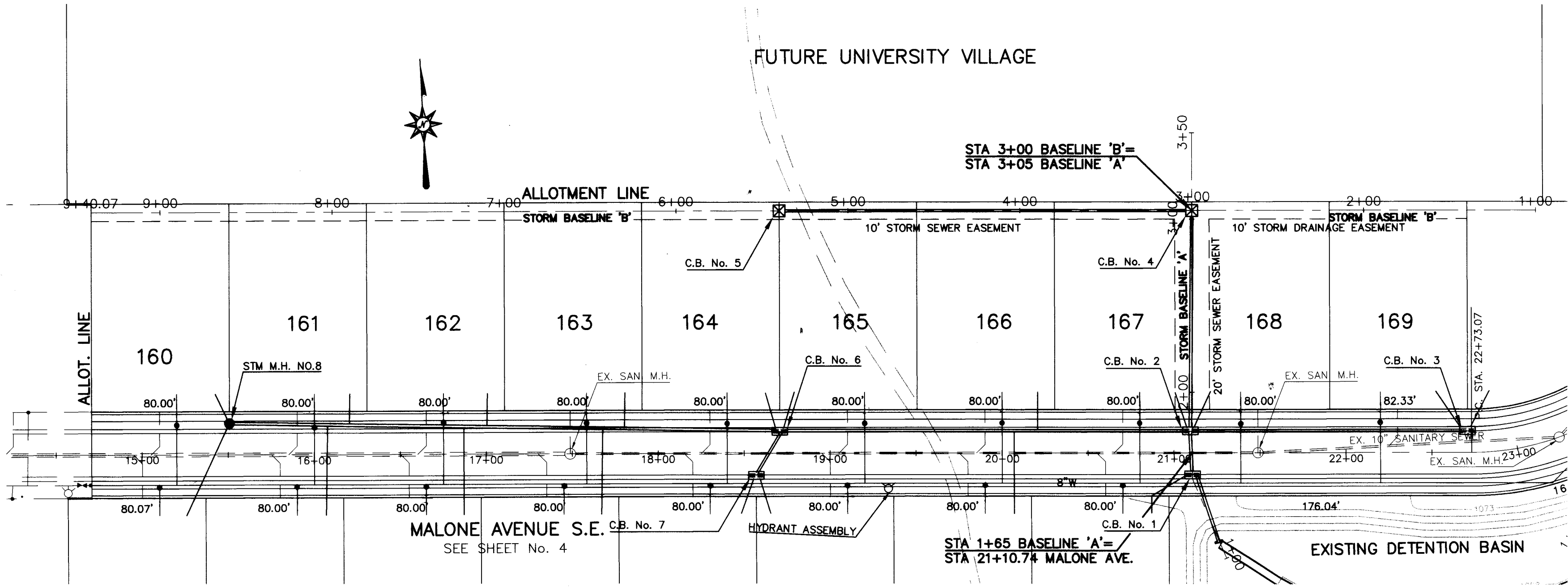
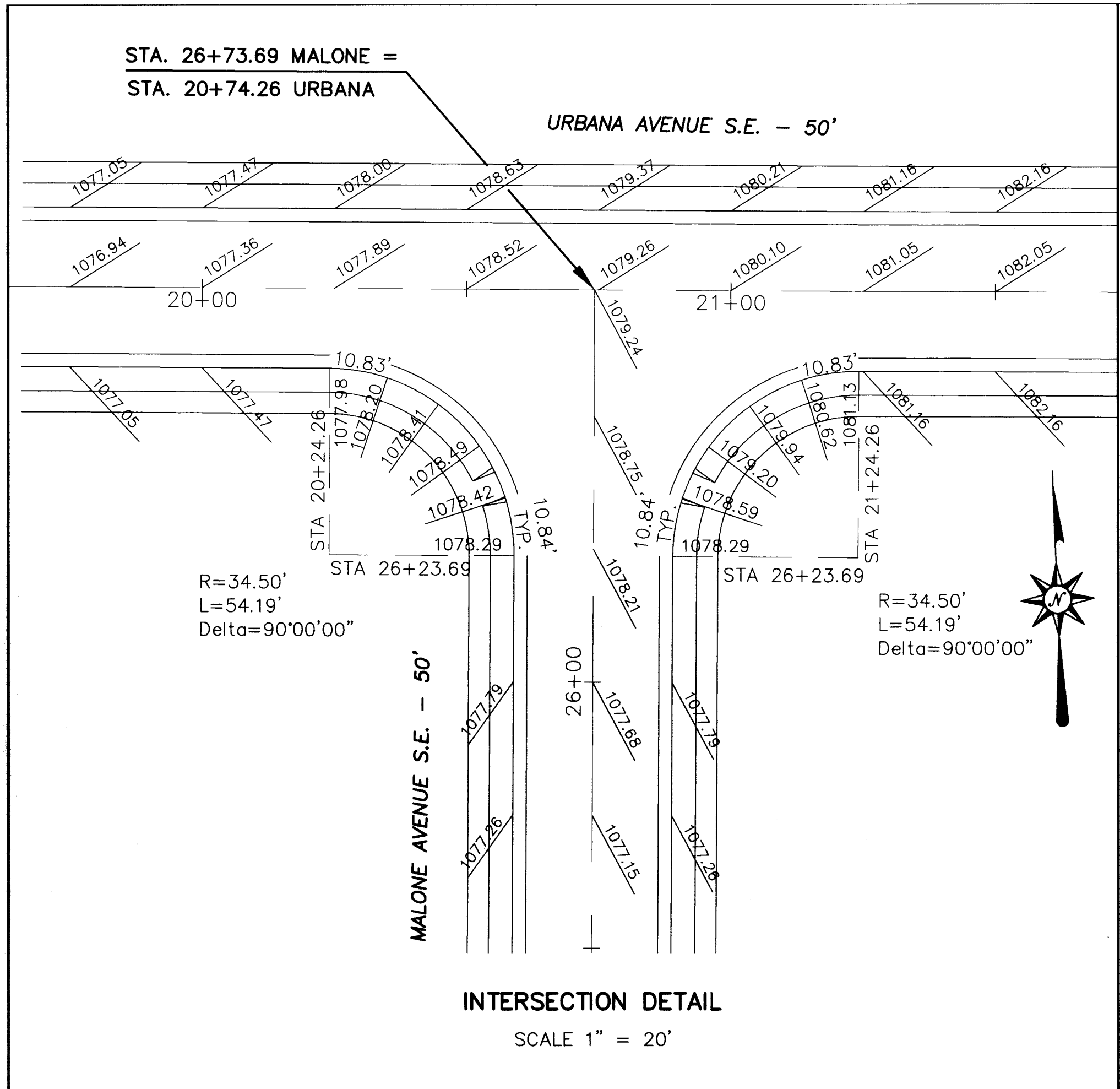
* A MINIMUM DISTANCE OF 12" VERTICAL AND 4' HORIZONTAL SEPARATION BETWEEN WATERLINE AND STORM SEWERS MUST BE MAINTAINED.
* A MINIMUM DISTANCE OF 18" VERTICAL AND 10' HORIZONTAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWERS MUST BE MAINTAINED.

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

PLAN & PROFILE SHEET UNIVERSITY VILLAGE PHASE 5 CITY OF MASSILLON STARK COUNTY, OHIO FOR : P.R.M.D.C. LTD.		COOPER & ASSOCIATES, L.L.P. ENGINEERS AND SURVEYORS 1359 MARKET AVENUE, NORTH CANTON, OHIO 44714 PHONE (330) 452-5731 FAX No (330) 452-9110		BRYAN J. ASHMAN JEROLD E. GEIB		DATE: APRIL 2000 FIELD BOOK No. N/A SHEET 5 OF 7	
PROJ# 99266		DWG BY: C.H.B. CHK'D BY:					

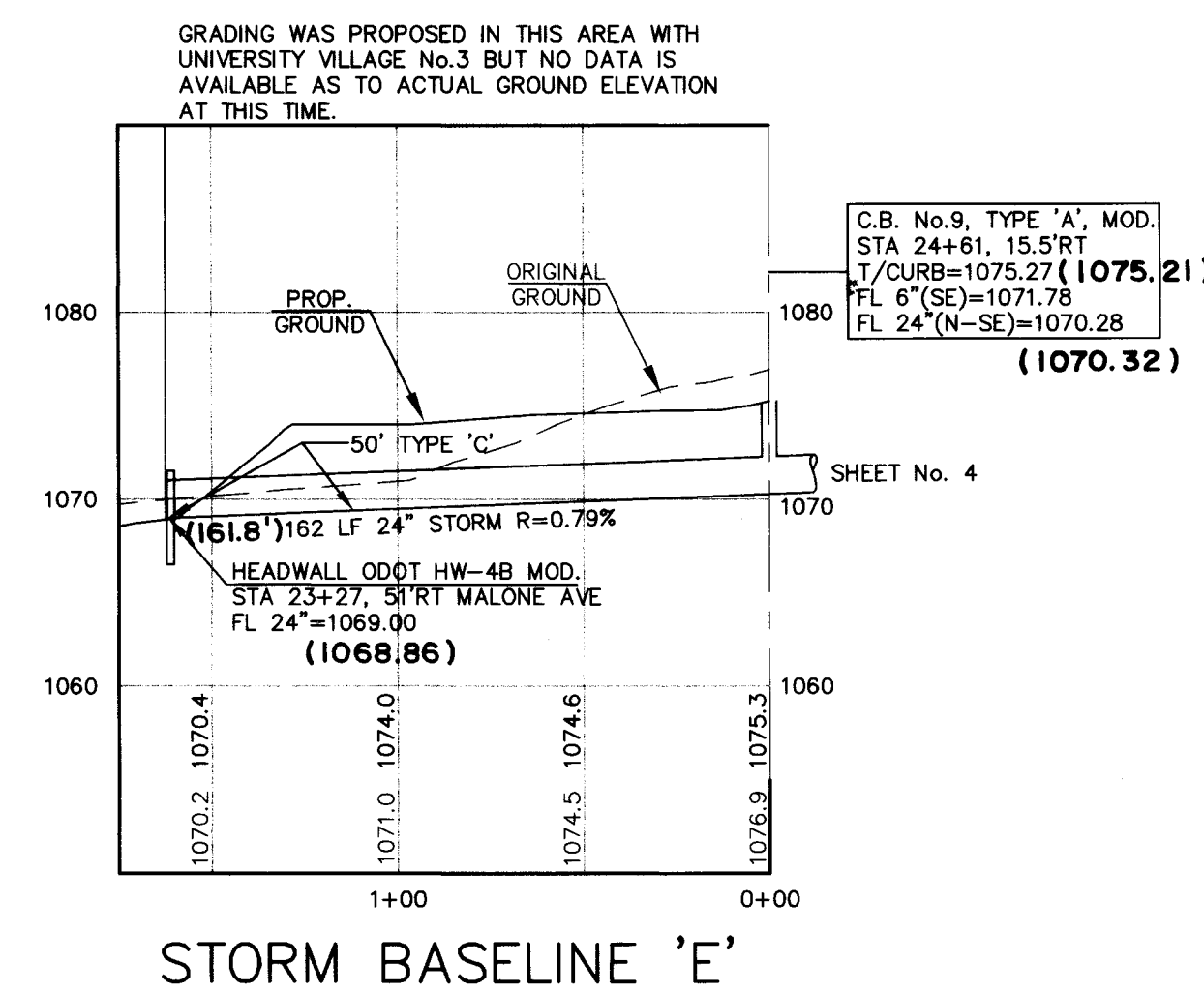
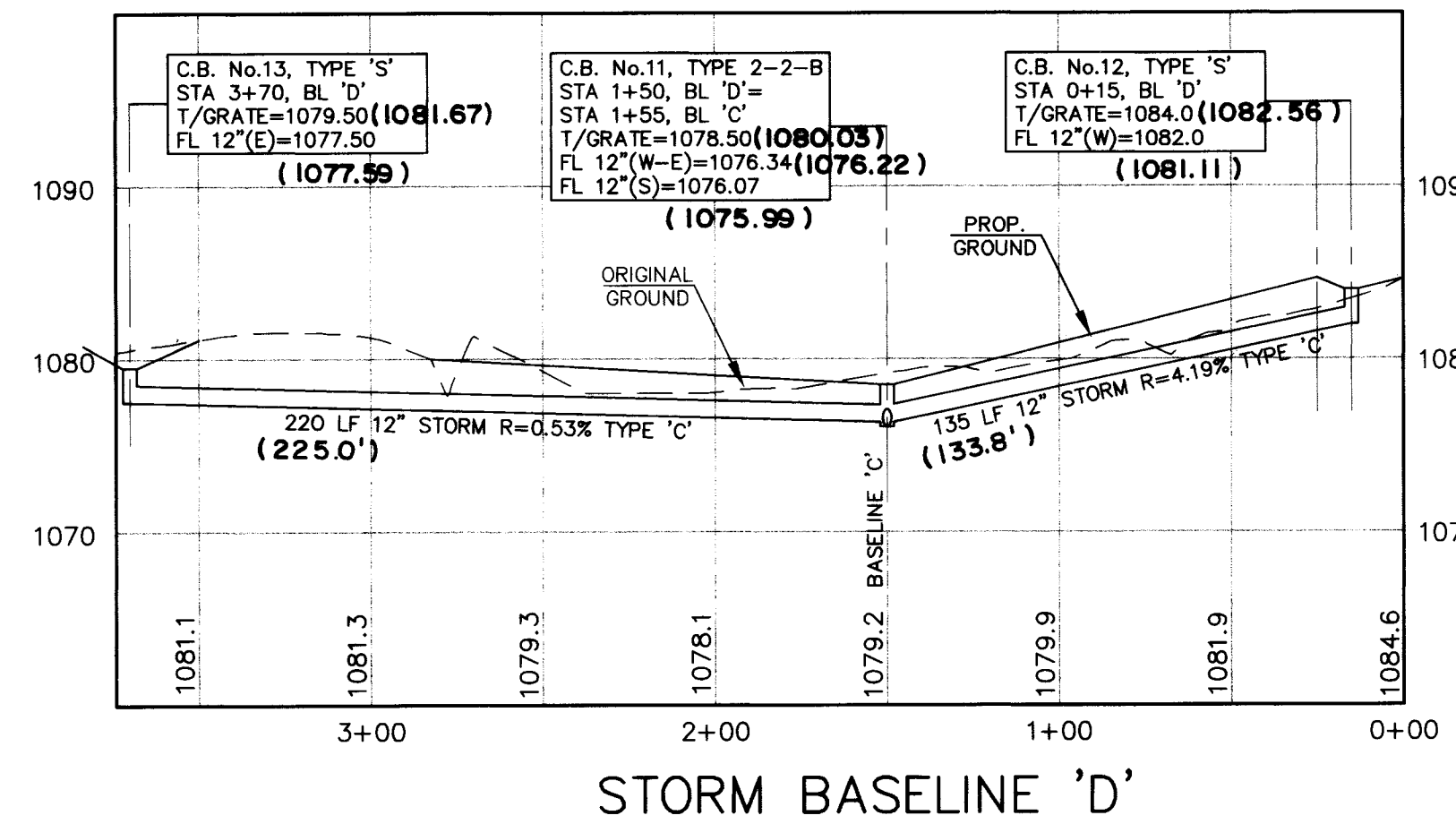
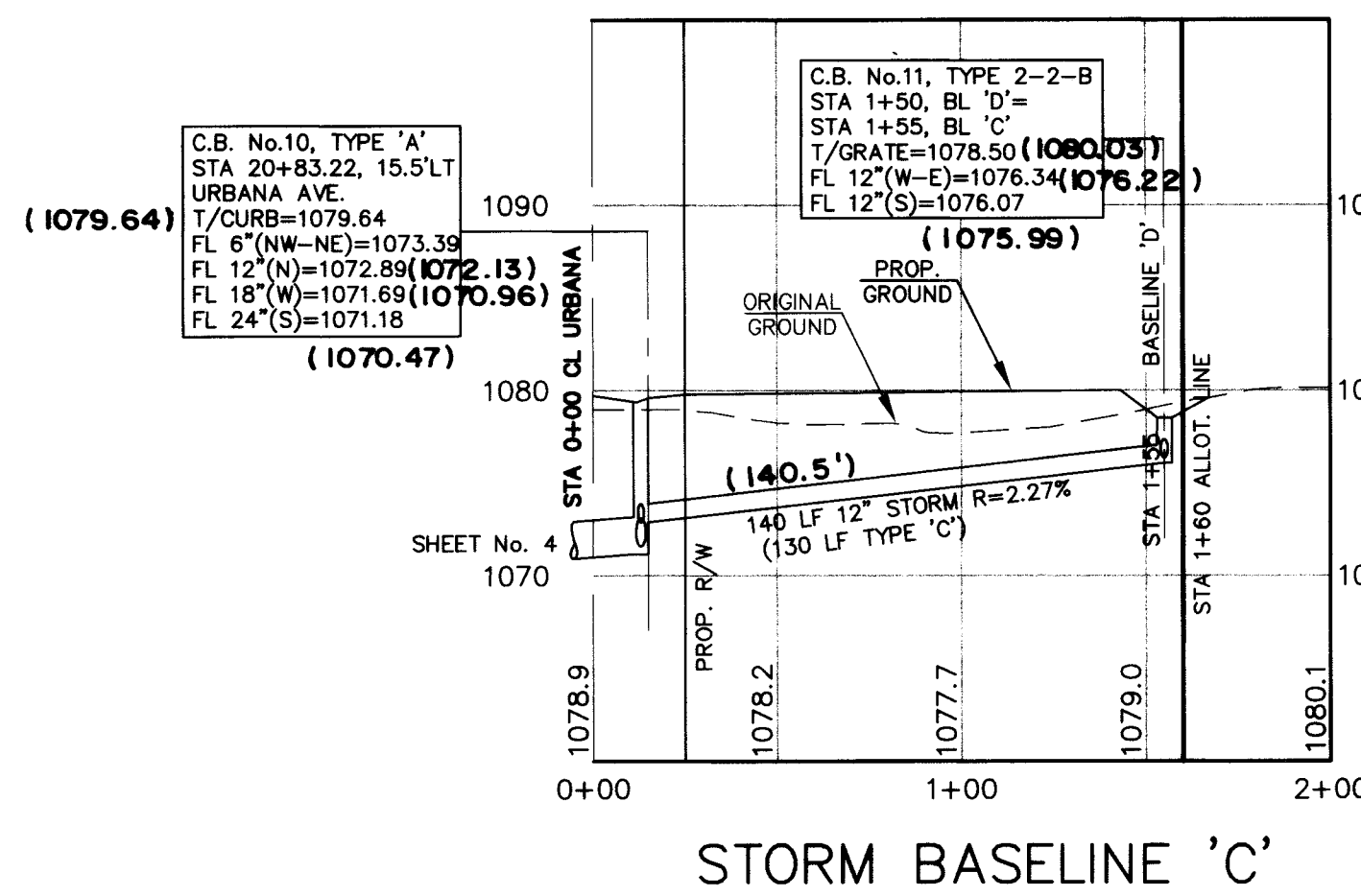
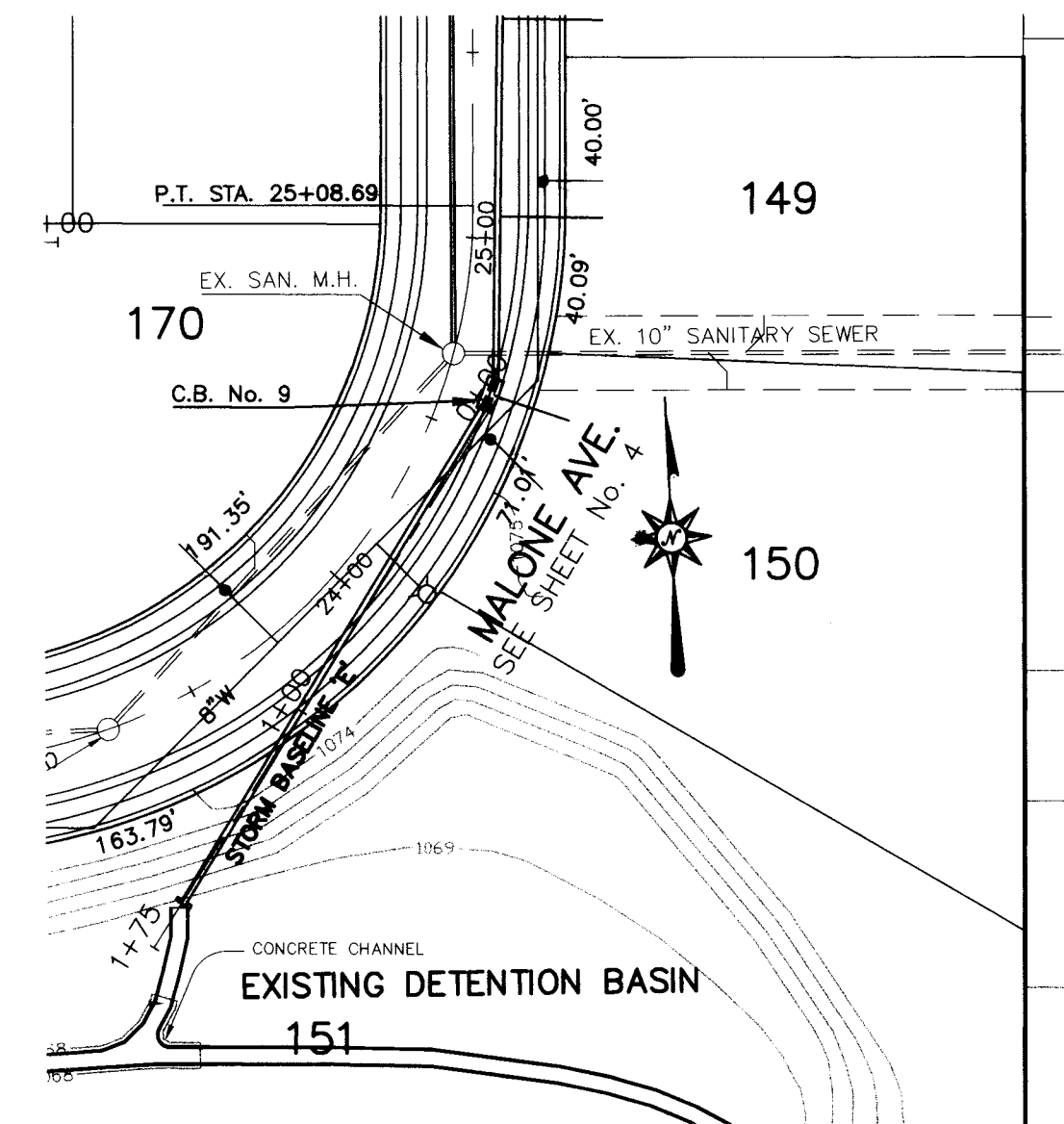
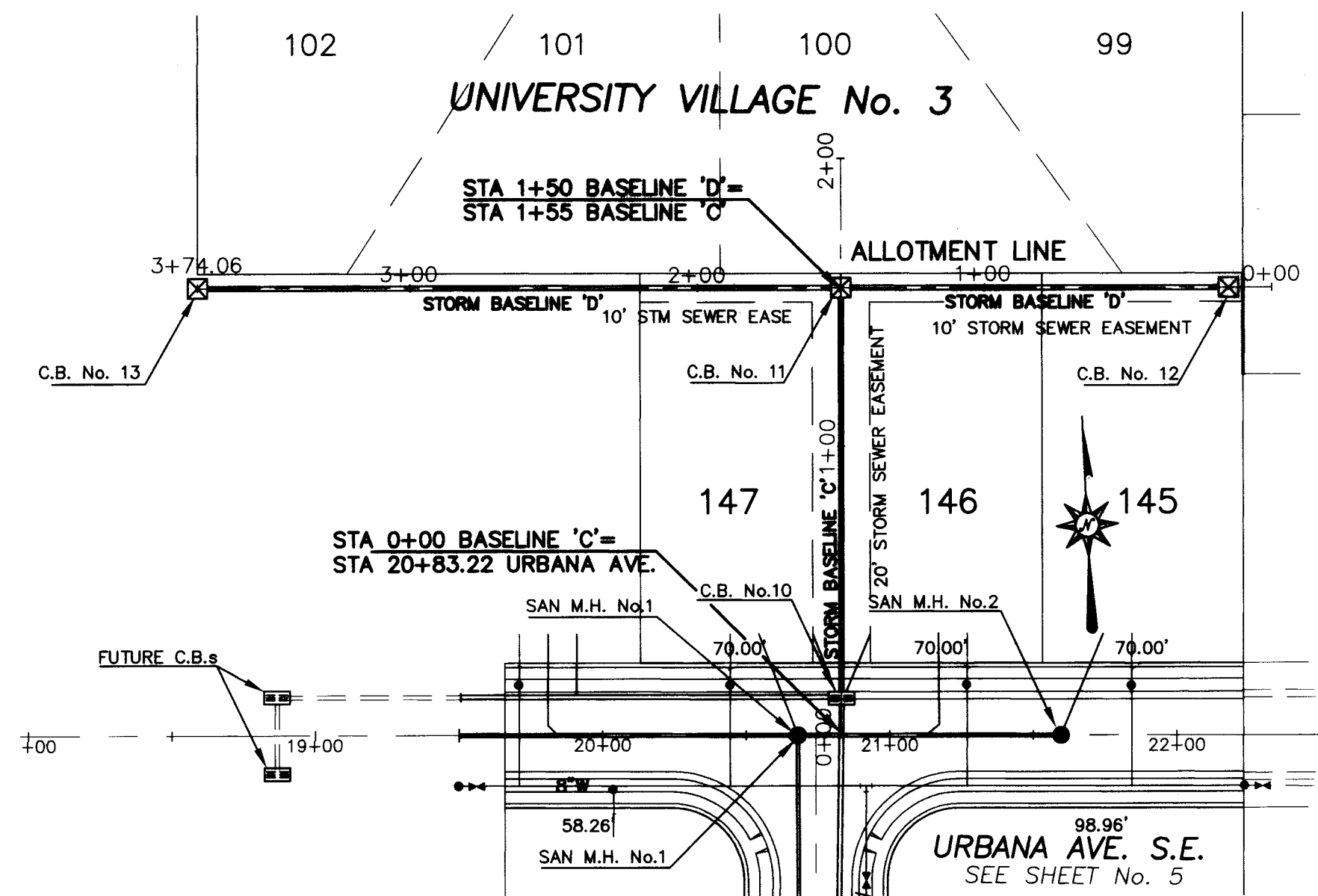
URBANA AVE.



BENCH MARK
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OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
#673 PLASTIC YELLOW CAP.
ELEV 1074.625

INTERSECTION DETAIL &
STORM BASELINE PROFILES 'A', 'B'



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

STORM BASELINE PROFILES 'C', 'D', 'E'

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

DATE: APRIL 2000

FIELD BOOK No. N/A

SHEET 7 OF 7

BRYAN J. ASHMAN
JEROLD E. GEIB

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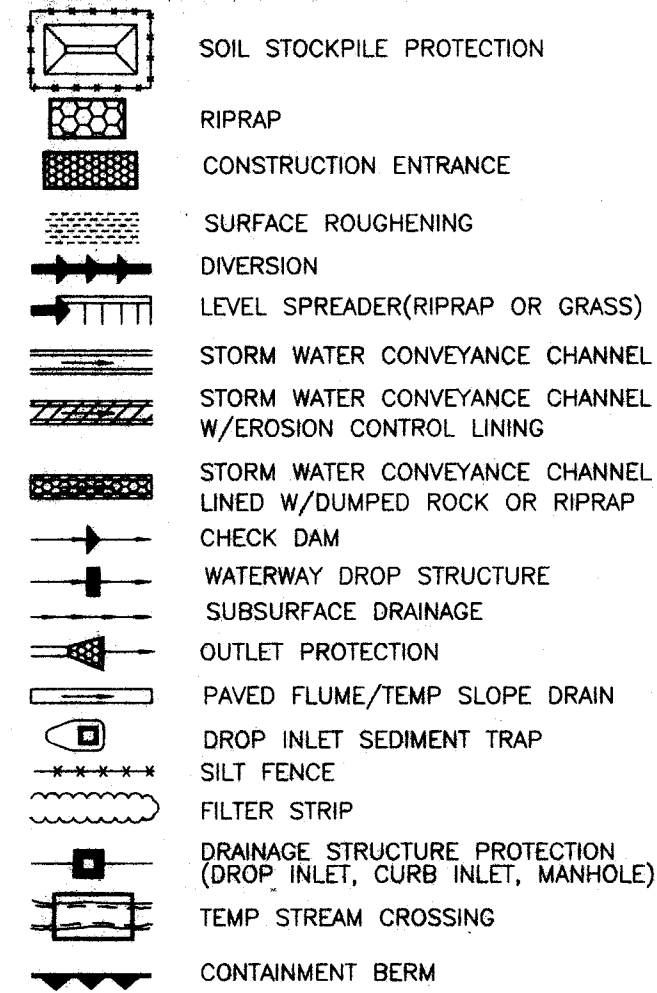
PROFILE SHEET
UNIVERSITY VILLAGE
PHASE 5
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR : P.R.M.D.C. LTD.

PROJ. # 99266

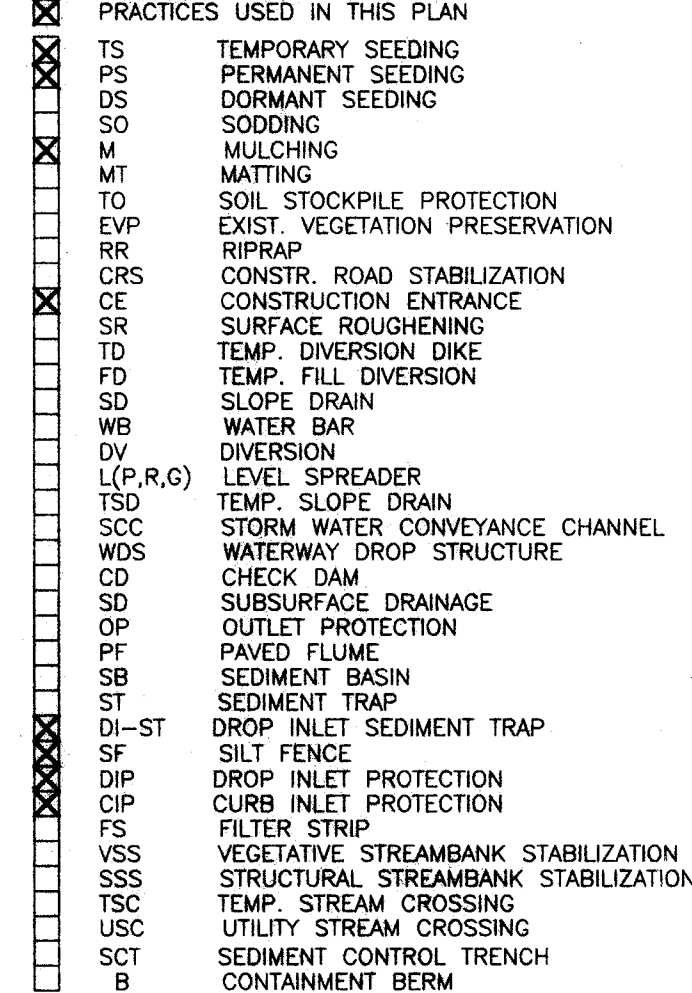
REVISIONS	DATE	BY

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

BEST MANAGEMENT PRACTICE LEGEND



BEST MANAGEMENT PRACTICES

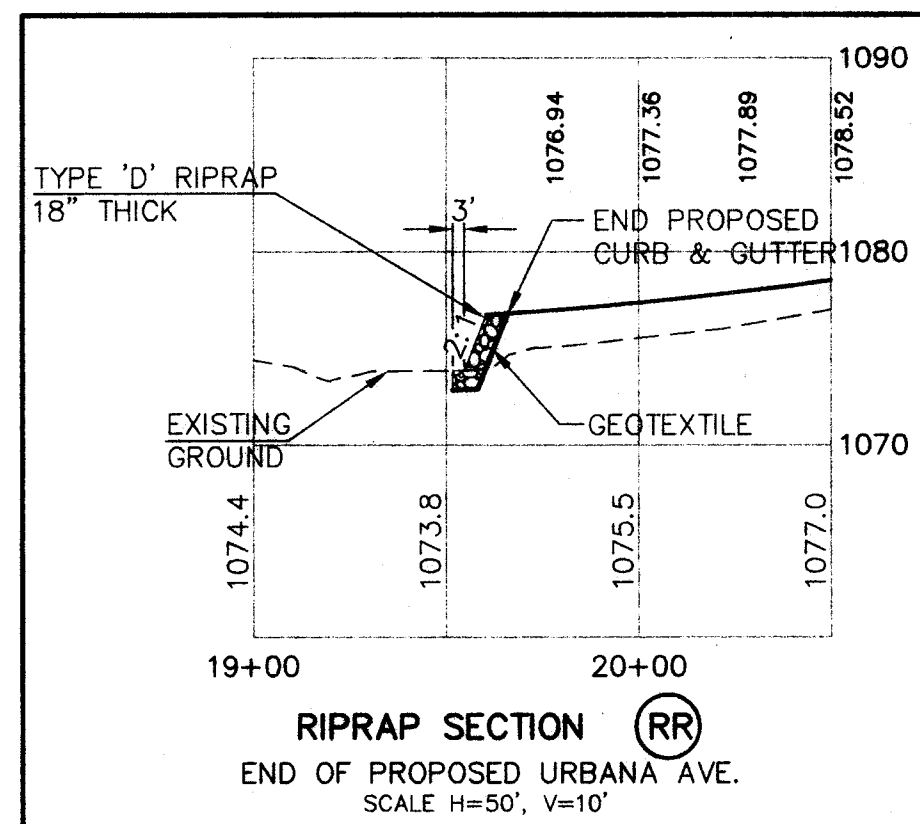


TYPICAL SOIL PROTECTION CHART

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING			A	A	A	A	A	A	A			
DORMANT SEEDING	B	B										
TEMPORARY SEEDING			C	C	C	D	D	D	D			
SODDING			E	E	E	E	E	E	E			
MULCHING	F	F	F	F	F	F	F	F	F			

A = KENTUCKY BLUEGRASS AT 90 LB/AC MIXED WITH PERENNIAL RYEGRASS AT 30 LB/AC
 B = KENTUCKY BLUEGRASS AT 135 LB/AC MIXED WITH PERENNIAL RYEGRASS AT 45 LB/AC PLUS 2 TONS/AC STRAW MULCH
 C = SPRING OATS AT 100 LB/AC
 D = WHEAT OR CEREAL RYE AT 150 LB/AC
 E = SOD
 F = STRAW MULCH AT 2 TONS/AC
 * = IRRIGATION NEEDED DURING JUNE AND JULY
 ** = IRRIGATION NEEDED FOR 2-3 WEEKS AFTER APPLYING SOD

STORM WATER POLLUTION PREVENTION PLAN UNIVERSITY VILLAGE PHASE 5 CURRENT NPDES PERMIT No. OHR107020



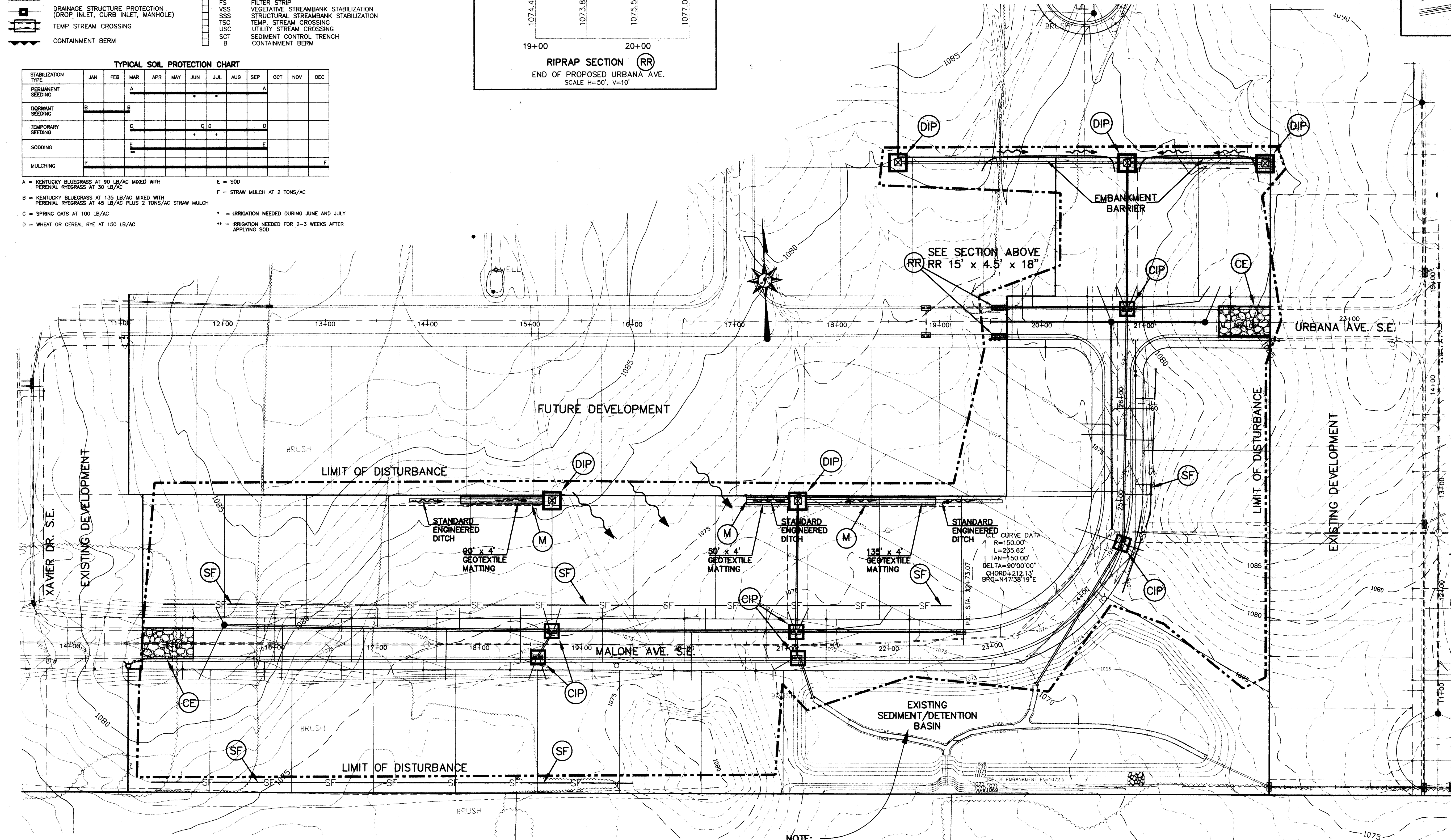
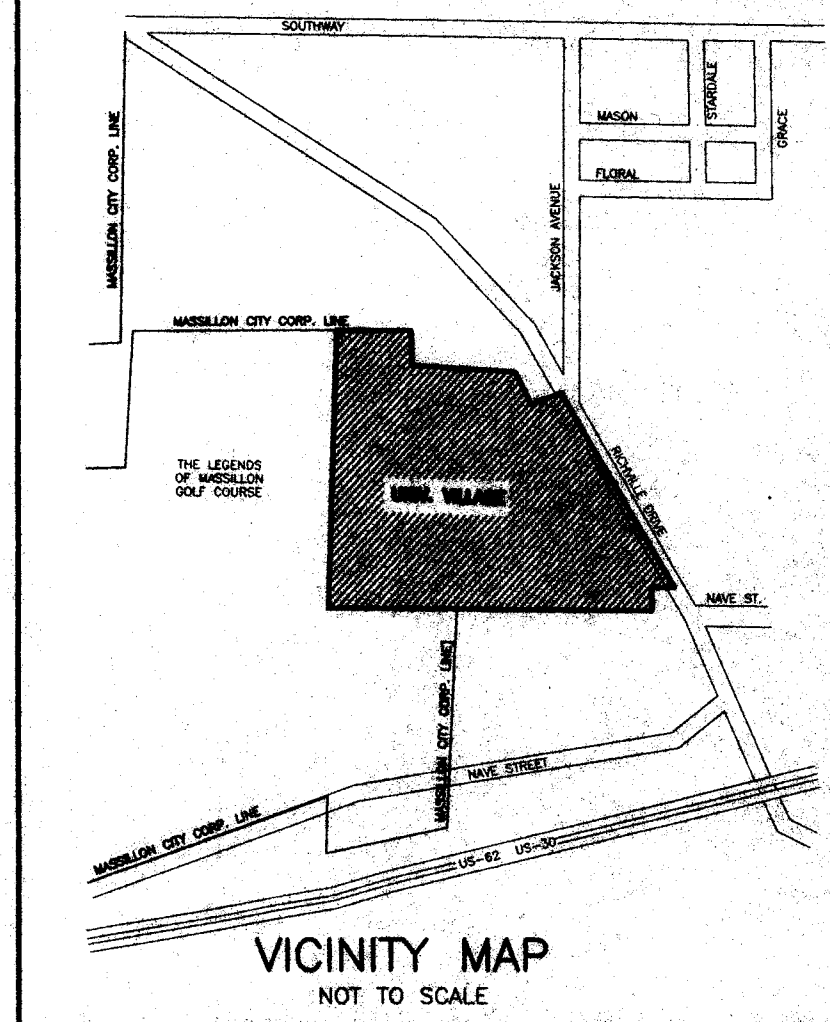
TOPSOIL STOCKPILE PROTECTION (TO)

LOCATIONS FOR TOPSOIL STOCKPILES SHOULD BE CAREFULLY SELECTED TO INSURE THAT ANY MATERIAL ERODED FROM THE STOCKPILES DOES NOT HAVE DIRECT ACCESS INTO A STORM DRAIN OR DRAINAGEWAY.

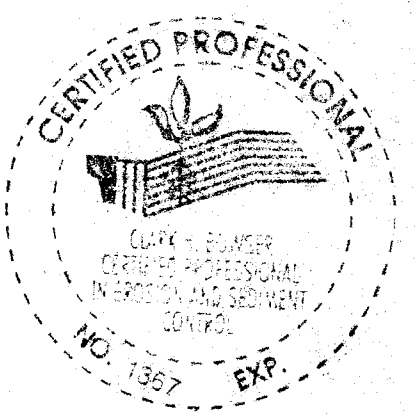
THE STOCKPILES SHOULD BE PROTECTED BY EITHER BEING COVERED WITH PLASTIC SHEETING OR BY THE APPLICATION OF TEMPORARY SEEDING.

THE BASE OF THE STOCKPILES SHOULD BE PROTECTED BY A LINE OF SILT FENCE ALONG THE LOWER SIDE(S) OF THE STOCKPILE AND NO CLOSER THAN 6' FROM THE BASE.

THE STOCKPILE PROTECTION SHALL REMAIN IN PLACE AND FUNCTIONING UNTIL THE STOCKPILE HAS BEEN REMOVED.



NOTE: THE SEDIMENT BASIN MODIFICATIONS TO THE DETENTION BASIN WERE INSTALLED UNDER UNIVERSITY VILLAGE PHASE 3 IN ACCORDANCE WITH THE SWP3 PREPARED FOR THAT PHASE OF CONSTRUCTION. THOSE MODIFICATIONS MUST REMAIN AND BE MAINTAINED THROUGHOUT THE DEVELOPMENT OF THE ENTIRE CONTRIBUTING AREA.



RECEIVED
JUL 24 2000
OHIO EPA NEDO

STORM WATER POLLUTION PREVENTION PLAN
UNIVERSITY VILLAGE PHASE 5
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C., LTD.

COOPER & ASSOCIATES, L.L.P.
ENGINEERS AND SURVEYORS
1359 MARKET AVENUE, NORTH CANTON, OHIO 44714
PHONE (330) 452-5731
FAX (330) 452-5110

NO.	DATE	BY	REVISIONS
1			
2			
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PREPARED BY:
C.H.B.
DATE: April 2000
SCALE: 1" = 50'
HOR. 1" = 50'
VERT. 1" = 10'
SHEET: 1E OF 3E
PROJECT: 99266E

- TS

TS

- | TEMPORARY SEEDING SPECIES SELECTION | | | |
|-------------------------------------|--|-------------------|----------|
| SEEDING DATES | SPECIES | LB./1,000 SQ. FT. | PER ACRE |
| MARCH 1 TO AUGUST 15 | OATS | 3 | 4 BUSHEL |
| | TALL FESCUE | 1 | 40 LBS. |
| | ANNUAL RYEGRASS | 1 | 40 LBS. |
| | PERENNIAL RYEGRASS | 1 | 40 LBS. |
| | TALL FESCUE | 1 | 40 LBS. |
| | ANNUAL RYEGRASS | 1 | 40 LBS. |
| AUGUST 16 TO NOVEMBER 1 | RYE | 3 | 2 BUSHEL |
| | TALL FESCUE | 1 | 40 LBS. |
| | ANNUAL RYEGRASS | 1 | 40 LBS. |
| | WHEAT | 1 | 2 BUSHEL |
| | TALL FESCUE | 1 | 40 LBS. |
| | ANNUAL RYEGRASS | 1 | 40 LBS. |
| | PERENNIAL RYEGRASS | 1 | 40 LBS. |
| | TALL FESCUE | 1 | 40 LBS. |
| NOV. 1 TO SPRING SEEDING | MULCH, SODDING OR DORMANT SEEDING ONLY | | |

PS

PS

VEGETAT

PERMANENT SEEDING			
SEED MIX	SEEDING RATE		NOTES:
	LB./ACRE	LB./1,000 S.F.	
GENERAL USE			
CREEPING RED FESCUE	20-40	1/2 - 1	
DOMESTIC RYEGRASS	10-20	1/4 - 1/2	
KENTUCKY BLUEGRASS	10-20	1/4 - 1/2	
TALL FESCUE	40	1	
DWARF FESCUE	40	1	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40	1	
CROWN VETCH	10	1/4	NOT LATER THAN AUGUST
TALL FESCUE	20	1/2	
FLAT PEA	20	1/2	NOT LATER THAN AUGUST
TALL FESCUE	20	1/2	
ROAD DITCHES AND SWALES			
TALL FESCUE	40	1	
DWARF FESCUE	90	2 1/4	
KENTUCKY BLUEGRASS	5		
LAWNS			
KENTUCKY BLUEGRASS	60	1/2	
PERENNIAL RYEGRASS	60	1/2	
KENTUCKY BLUEGRASS	60	1/2	FOR SHADED AREAS
CREEPING RED FESCUE	60	1/2	

FERTILIZATION AND MOWING				
MIXTURE	FORMULA	LB./AC.	LIME	MOWING
CREeping RED FESCUE RUEGRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL, YEARLY OR AS NEEDED	NOT CLOSER THAN 3"
TALL FESCUE	10-10-10	500		NOT CLOSER THAN 4"
DWARF FESCUE	10-10-10	500		NOT CLOSER THAN 2"
CROWN VETCH FESCUE	0-20-20	400	SPRING, YEARLY FOLLOWING ESTABLISH- MENT AND EVERY 4-7 YEARS THEREAFTER	DO NOT MOW
FLAT PEA FESCUE	0-20-20	400		DO NOT MOW

MT

- ## NON-SEDIMENT POLLUTION CONTROL

ALLS OF 25 GAL. OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MIN. OF THE DISCOVERY OF THE RELEASE.

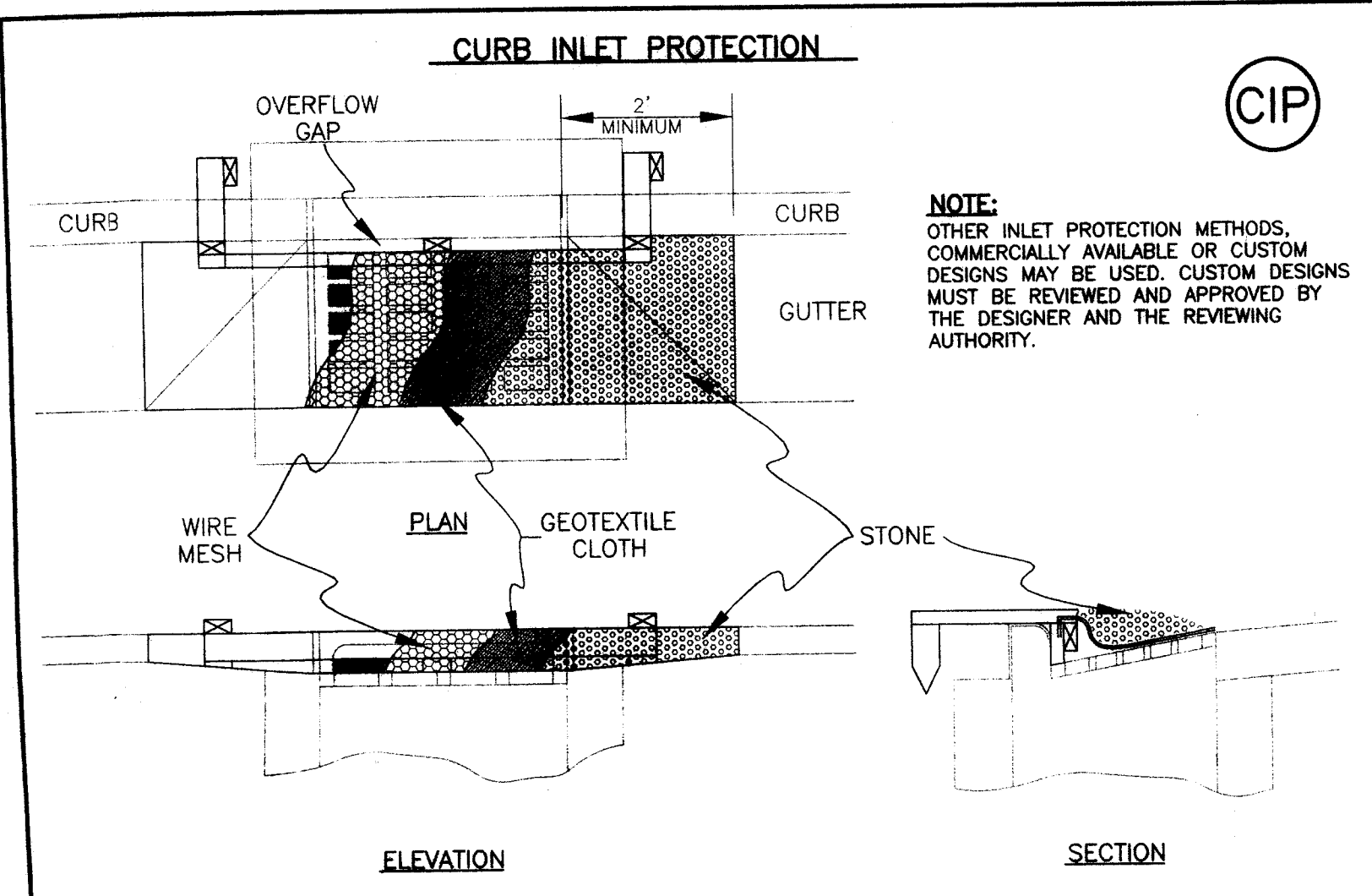
RR

SEWERAGE
APPROVED
CANA ENVIRONMENTAL PROTECTION AGENCY
AS EVIDENCED BY COPY OF
LETTER OF APPROVAL
HERETO ATTACHED

1. INSTALL SOIL STABILIZATION AND SEDIMENT CONTROL PRACTICES

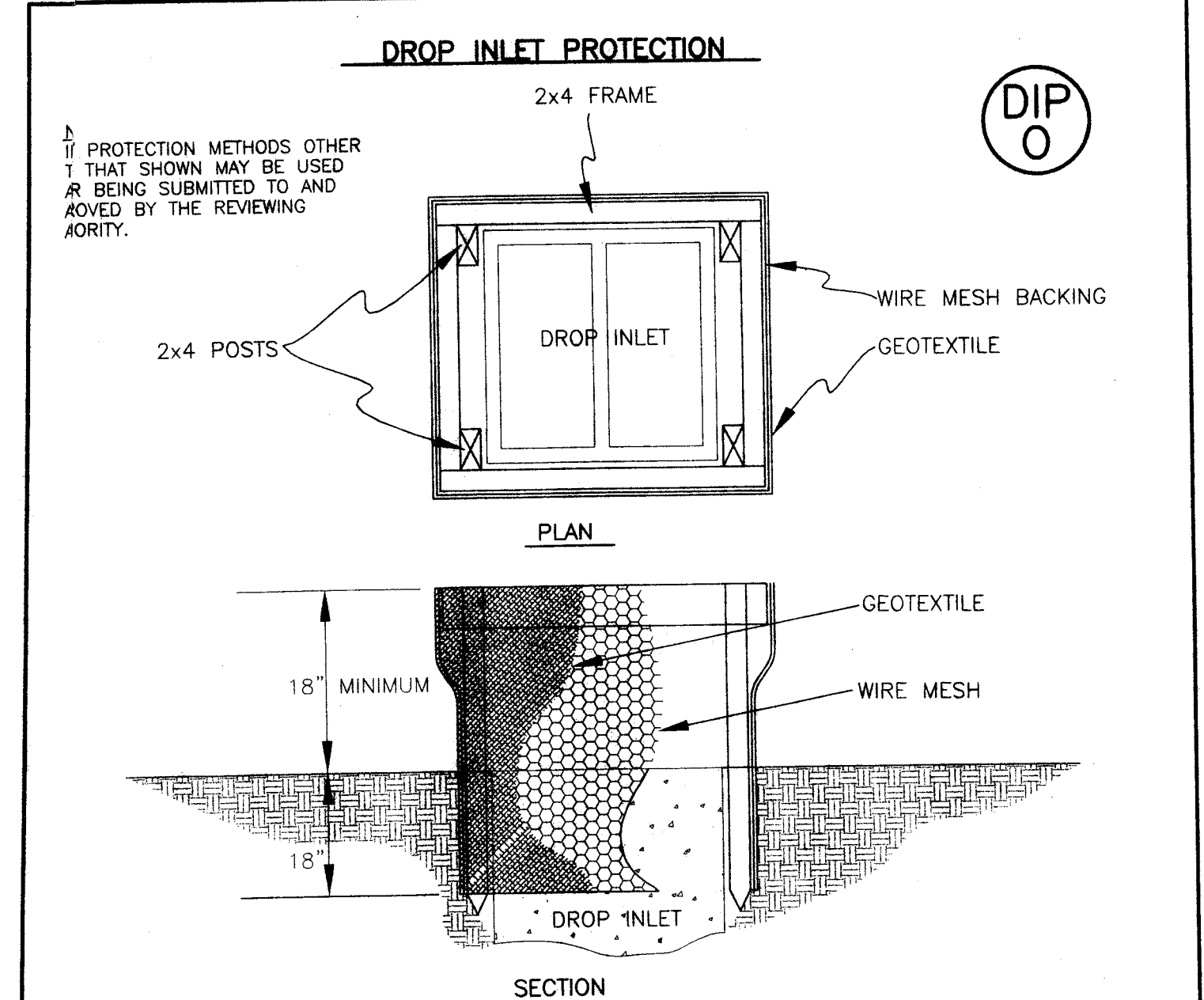
- # STORM WATER POLLUTION PREVENTION PLAN

STORM WATER POLLUTION PREVENTION PLAN
UNIVERSITY VILLAGE PHASE 5
CURRENT NPDES PERMIT No. OHR107020



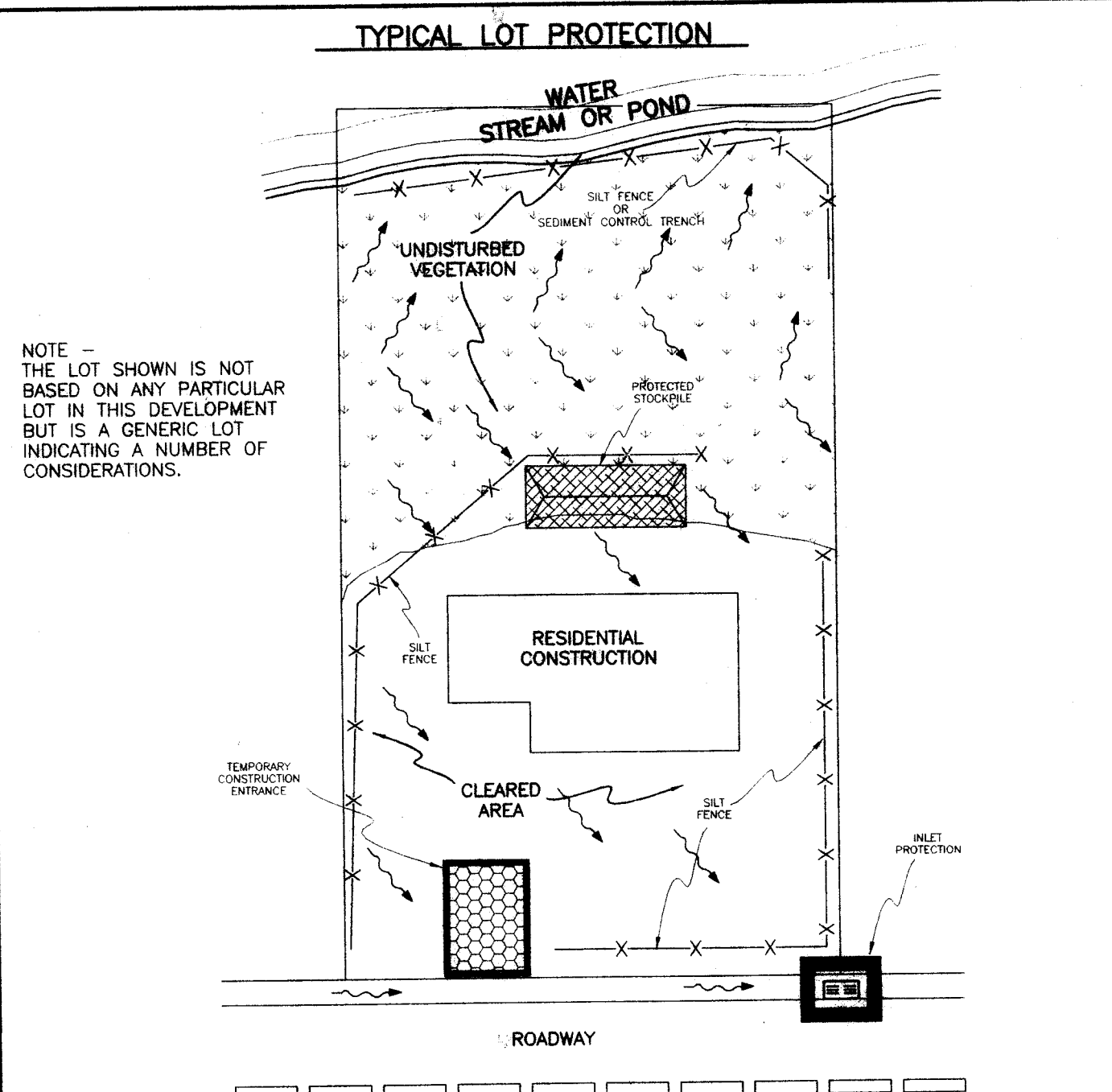
FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT

- SPECIFICATIONS**
- INLET PROTECTION MUST BE INSTALLED AT EACH CURB INLET PROVIDING ACCESS TO A STORM DRAIN THAT DOES NOT OUTLET INTO A SEDIMENT TRAP OR SEDIMENT BASIN.
 - INLET PROTECTION MUST BE INSTALLED AT THE FIRST INLET DOWNSTREAM OF SEDIMENT OBSERVED IN THE GUTTER SECTION.
 - INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
 - THE WOODEN FRAME IS TO BE CONSTRUCTED OF 2" X 4" CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1" BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2x4 STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB.
 - THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30" AND 4' LONGER THAN THE THROAT LENGTH OF THE INLET, 2' ON EACH SIDE.
 - GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH.
 - THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2x4 FRAME.
 - TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH.

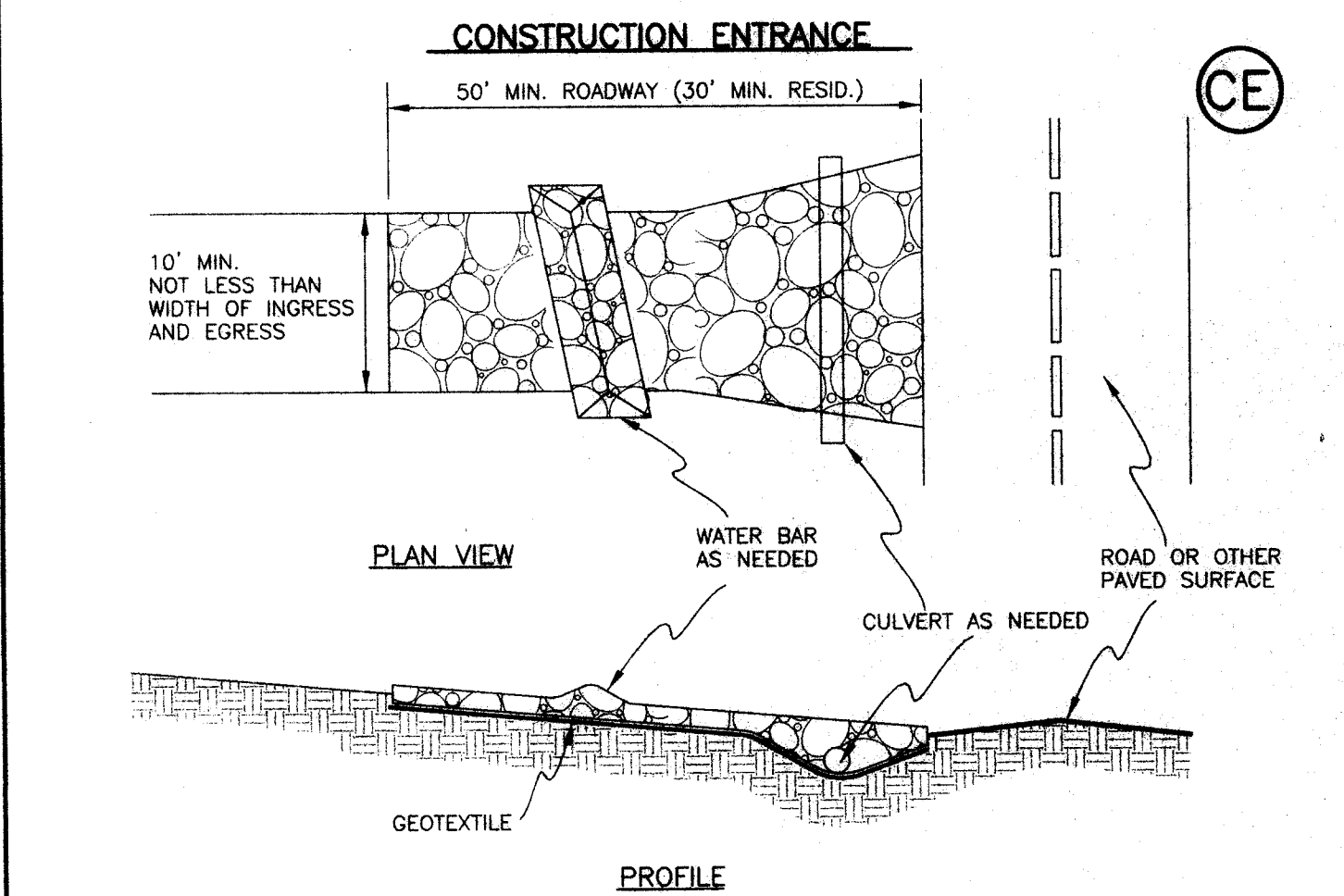


FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT

- SPECIFICATIONS**
- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
 - THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
 - THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER. THE 2x4 POSTS SHALL BE DRIVEN 1" INTO THE GROUND AT THE FOUR CORNERS OF THE INLET AND THE TOP PORTIONS OF 2x4 FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6" BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
 - WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
 - GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO IT. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
 - BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6" LAYERS UNTIL THE EARTH IS EVEN WITH THE NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
 - A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF THE EARTH DIKE SHALL BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME.

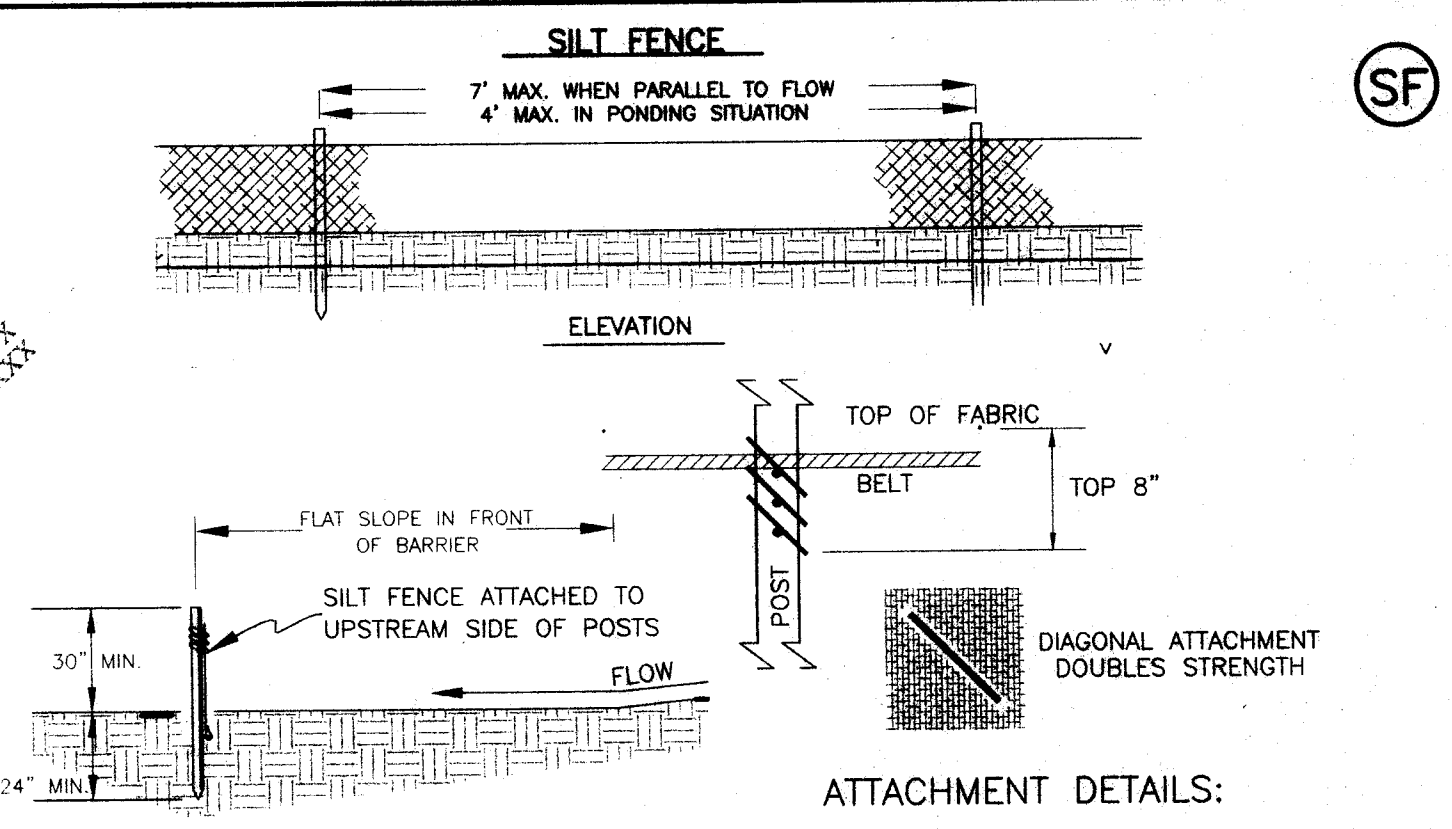


- SPECIFICATIONS**
- EXISTING VEGETATION SHALL BE RETAINED ON IDLE PORTIONS OF THE BUILDING LOTS FOR AS LONG AS CONSTRUCTION OPERATIONS ALLOW. CLEARING SHALL BE DONE SO ONLY ACTIVE WORKING AREAS ARE BARE.
 - TEMPORARY SEED (ANNUAL RYE, OATS, ETC.) AND/OR MULCH SHALL BE APPLIED TO AREAS, SUCH AS STOCKPILES, THAT ARE BARE AND NOT ACTIVELY BEING WORKED. THIS SHALL APPLY TO AREAS THAT WILL NOT BE REWORKED FOR 14 DAYS OR MORE.
 - STOCKPILES EXCAVATED FROM BASEMENTS SHALL BE SITUATED AWAY FROM STREETS, SWALES, OR OTHER WATERWAYS AND SHALL BE SEEDDED AND/OR MULCHED.
 - SILT FENCE SHALL CONTROL SHEET FLOW RUNOFF FROM THE BUILDING LOT. IT SHALL NOT BE CONSTRUCTED IN CHANNELS OR AREAS OF CONCENTRATED FLOW. OTHER SEDIMENT CONTROLS SUCH AS INLET PROTECTION AND SEDIMENT TRAPS SHALL ALSO BE USED AS NEEDED TO CONTROL SEDIMENT RUNOFF.
 - CONSTRUCTION VEHICLE ACCESS SHALL BE LIMITED TO ONE ROUTE, TO THE GREATEST EXTENT PRACTICAL. THE ACCESS SHALL BE GRAVEL OR CRUSHED ROCK APPLIED TO THE DRIVEWAY AREA.
 - MUD TRACKED ONTO THE STREET OR SEDIMENT SETTLED AROUND CURB INLET PROTECTION SHALL BE REMOVED DAILY OR AS NEEDED TO PREVENT IT FROM ACCUMULATING. IT SHALL BE REMOVED BY SHOVELLING AND SCRAPING AND SHALL NOT BE WASHED OFF PAVED SURFACES OR INTO STORM DRAINS.
- THIS "TYPICAL LOT" IS REPRESENTATIVE ONLY. EROSION AND SEDIMENT CONTROL FOR SPECIFIC LOTS MUST ACCOUNT FOR THE ACTUAL SIZE AND SHAPE OF THE LOT, THE ACTUAL GROUND SLOPES THAT EXIST AS WELL AS THE FINISHED SLOPES, THE ACTUAL LIMITS OF NECESSARILY DISTURBED AREAS, AND ACCESS TO THE PUBLIC ROADWAY FOR BOTH CONSTRUCTION VEHICLES AND STORM WATER RUNOFF.



FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT

- SPECIFICATIONS**
- STONE SIZE - TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50' (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
 - THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6" THICK.
 - WIDTH - THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
 - BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
 - CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
 - WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
 - MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
 - CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.



- ATTACHMENT DETAILS:**
- GATHER FABRIC AT POSTS IF NEEDED.
 - USE THREE TIES PER POST, ALL WITHIN TOP 8" OF FABRIC.
 - POSITION TIES DIAGONALLY, PUNCTURING HOLES VERTICALLY A MINIMUM OF 1" APART.
 - HANG EACH TIE ON A POST NIPPLE AND TIGHTEN SECURELY.
 - USE CABLE TIES (50 lbs.) OR SOFT WIRE.

- SPECIFICATIONS**
- SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
 - SILT FENCE SHALL BE INSTALLED BY THE SLICING METHOD USING AN INTEGRATED SOIL SLICING MACHINE SUCH AS A "TOMMY" BY CARPENTER EROSION CONTROL, OR SIMILAR.
 - SLICING MUST BEGIN BEFORE THE CRITICAL POINT TO INSURE ADEQUATE DEPTH OF FABRIC AND CONTINUE BEYOND THE CRITICAL POINT TO INSURE FABRIC DEPTH IS MAINTAINED FOLLOWING REMOVAL OF THE APPARATUS FROM THE SOIL.
 - COMPACTION SHALL BE ACHIEVED BY WHEEL ROLLING THE POWER EQUIPMENT OVER EACH SIDE OF THE SILT FENCE - THE UPSTREAM SIDE FIRST, THEN THE DOWNSTREAM SIDE. COMPACT THE SOIL WITH THE LOADER BUCKET FULL OF MATERIAL FOR ADDED WEIGHT. IN DRY CONDITIONS, OR WHERE LARGE CLOUDS OF SOIL ARE DISRUPTED, 2 OR 3 COMPACTION PASSES OVER EACH SIDE ARE REQUIRED.
 - POSTS SHALL BE PLACED AFTER THE FABRIC IS IN PLACE AND THE ADJACENT SOIL HAS BEEN COMPACTED.

CRITERIA FOR SILT FENCE MATERIALS

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MINIMUM	ASTM D 1682
MULLEN BURST STRENGTH	190 PSI MINIMUM	ASTM D 3786
SLURRY FLOW RATE	0.3 GAL./MIN./SQ. FT. MAXIMUM	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MINIMUM	ASTM-G-26

STORM WATER POLLUTION PREVENTION PLAN
UNIVERSITY VILLAGE PHASE 5
CITY OF MASSILLON
STARK COUNTY, OHIO
FOR: P.R.M.D.C., LTD.

PREPARED BY:
C.H.B.

DATE: April 2000
SCALE: N/A
HOR: N/A
VERT: N/A
SHEET: 3E OF 3E
PROJ: 99266E

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REVISIONS

DATE BY

DESCRIPTION