

Madison, Wisconsin

INDEX OF SHEETS - STREETS

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

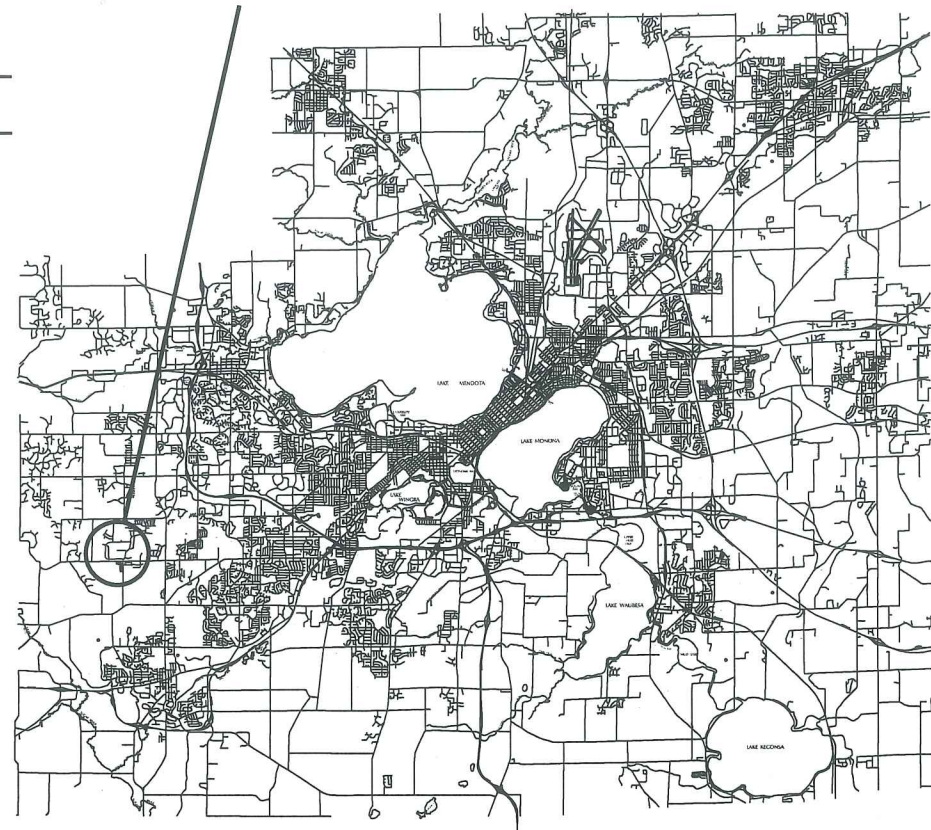
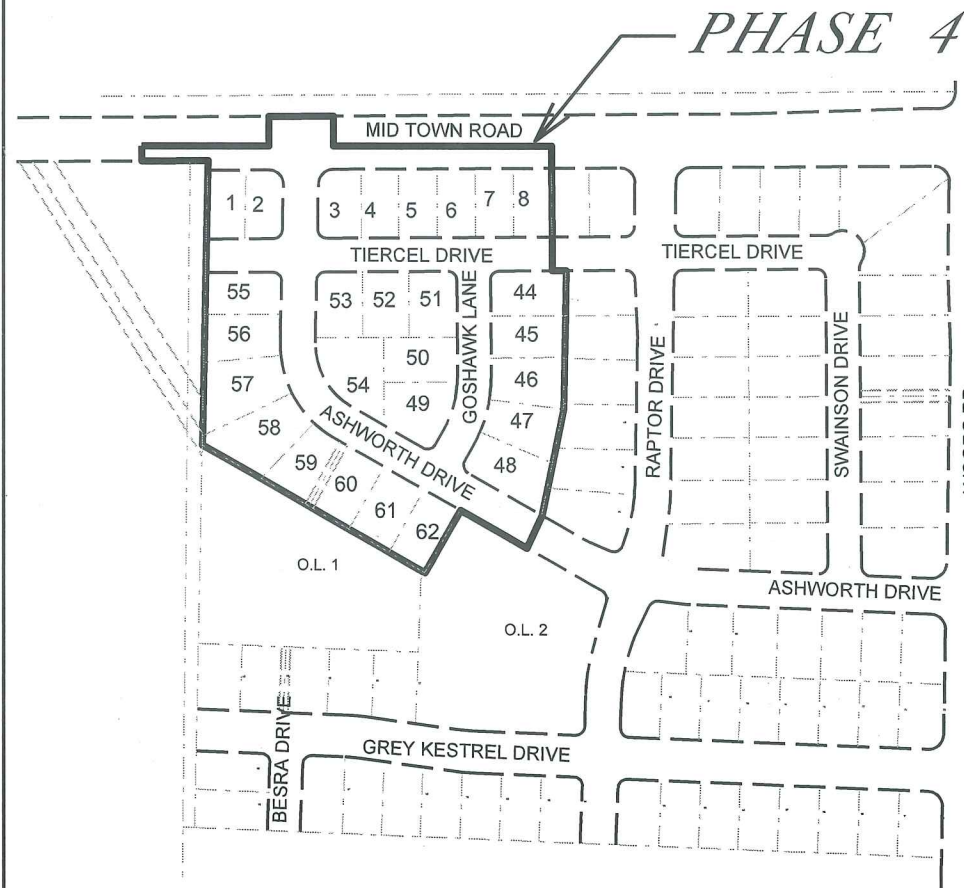
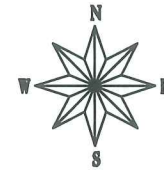
HAWKS VALLEY PHASE 3

CITY PROJECT NO. 11539

CITY CONTRACT NO. 7881

MUNIS NO. 11539

PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT
APPROVED

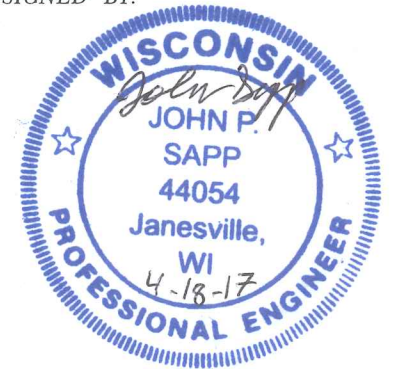
FEBRUARY 2, 2017

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

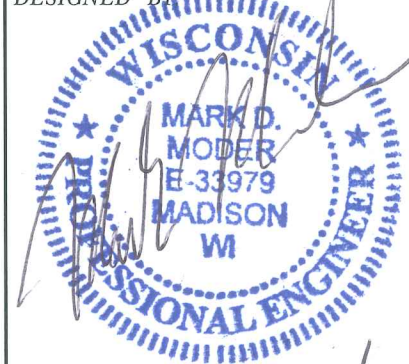
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 4/25/17
City Engineer Date

STREET
DESIGNED BY:



SANITARY SEWER
DESIGNED BY:



WATER
DESIGNED BY:



STORM SEWER
DESIGNED BY:



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS

STORM SEWER

SANITARY SEWER

WATER

OVERHEAD ELECTRIC

POWER POLE

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD

COMBUSTIBLE FLUIDS

— G —

— ST —

— SAN —

— W —

— OH —

⊙

CAUTION

ALL PAVEMENT IN THE ASHWORTH DRIVE, TIERCEL DRIVE, AND GOSHAWK LANE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE MID TOWN ROAD RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED, PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

HAWKS VALLEY PHASE 3
PROJECT NO. 11539

SHEET NO.
D-1

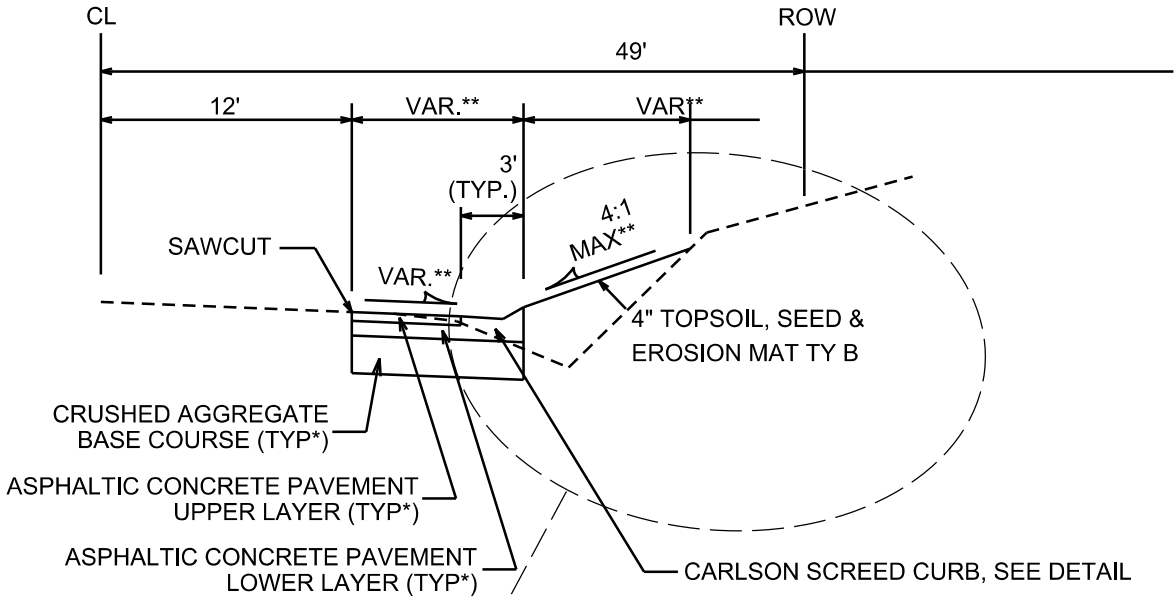
DETAIL

STANDARD NOTES
AND COMMENTS

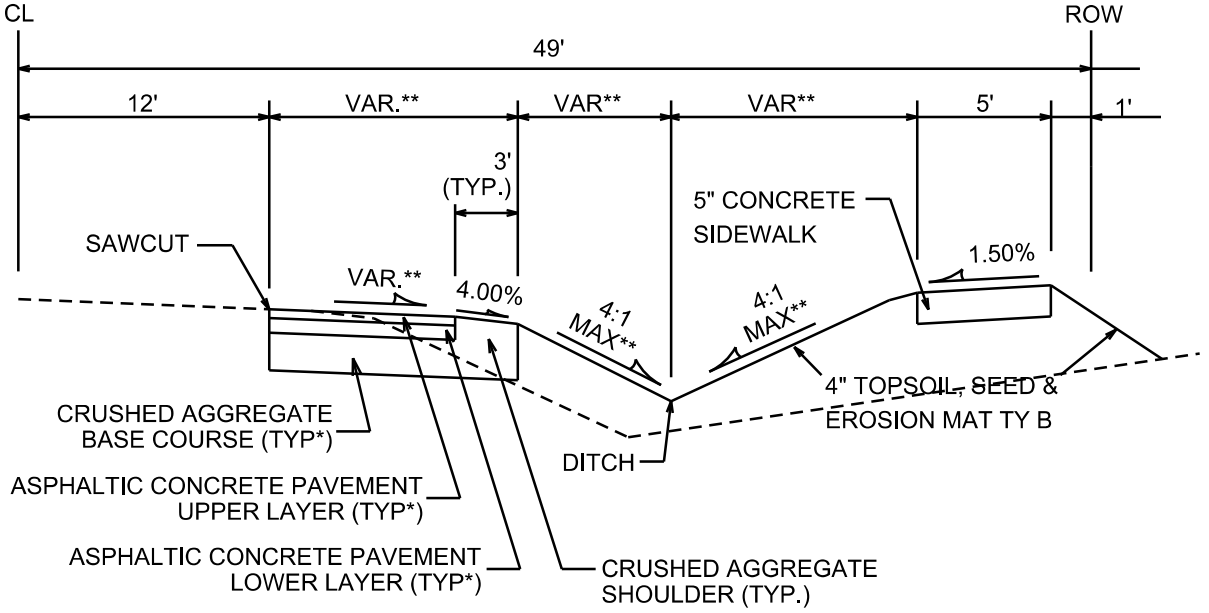
CITY OF MADISON

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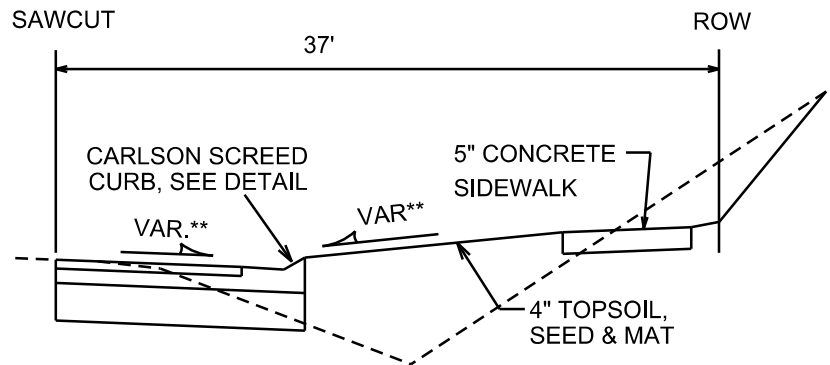
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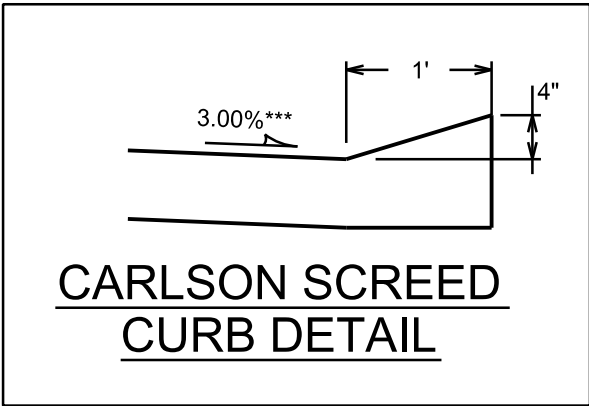
TYPICAL SECTION
MIDTOWN RD
STA 133+75 TO 137+00



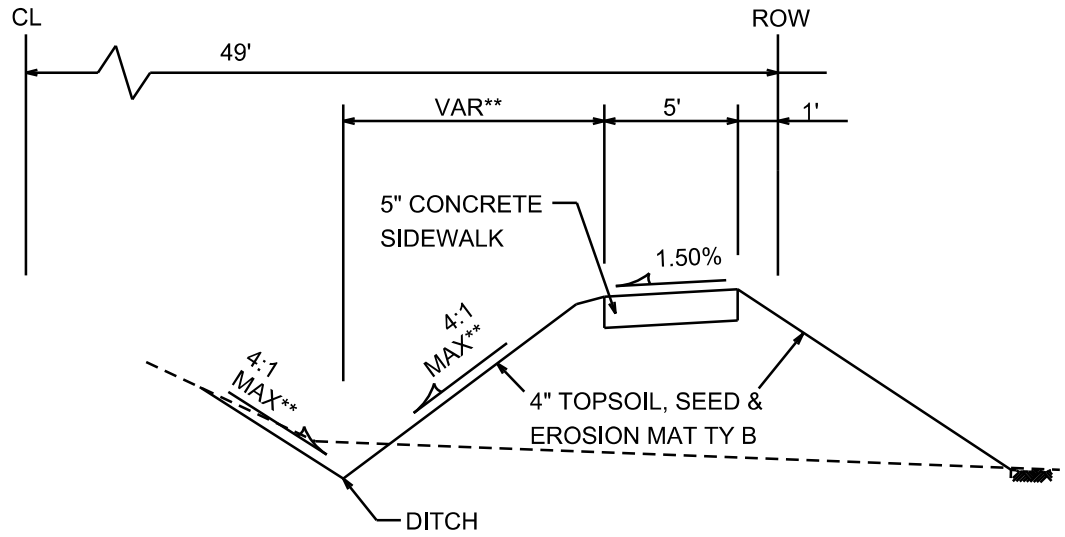
TYPICAL SECTION
MIDTOWN RD
STA 137+00 TO 137+50



PROPOSED RIGHT SIDE
FOR STA 134+40 TO 137+00



**CARLSON SCREED
CURB DETAIL**



TYPICAL SECTION
MIDTOWN RD
STA 137+50 TO STA 140+09

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE GRADATION 2	ASPHALTIC CONCRETE PAVEMENT			
		TYPE	THICKNESS	TYPE	THICKNESS
A	10"	E-0.3	1.75"	E-0.3	1.75"
B	10"	E-1	2.25"	E-1	2"
C	10"	E-3	3.25"	E-3	2"

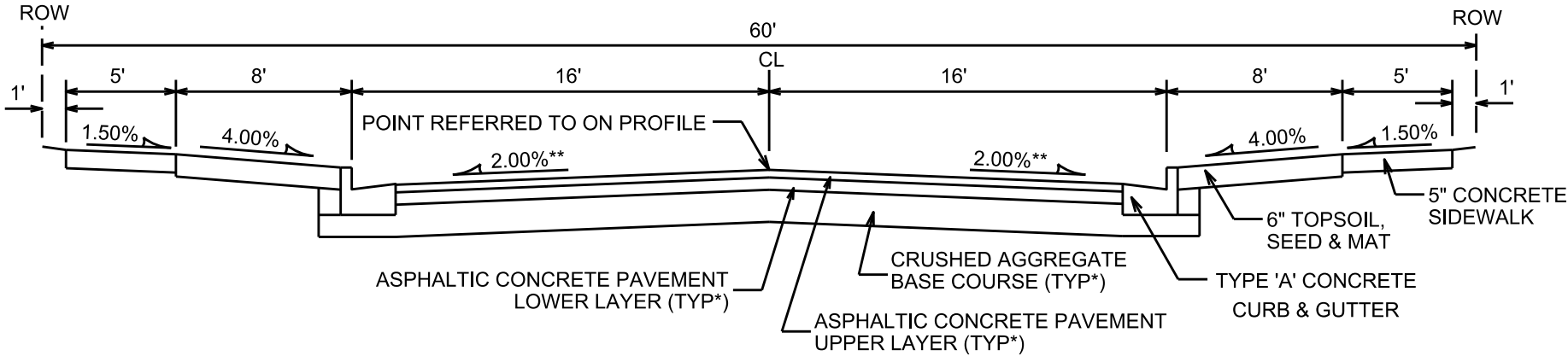
- NOTES:
- * MID TOWN ROAD TO BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
 - ** SEE CROSS SECTIONS FOR OFFSETS, ELEVATIONS, AND SLOPES

PLOT SCALE: _____

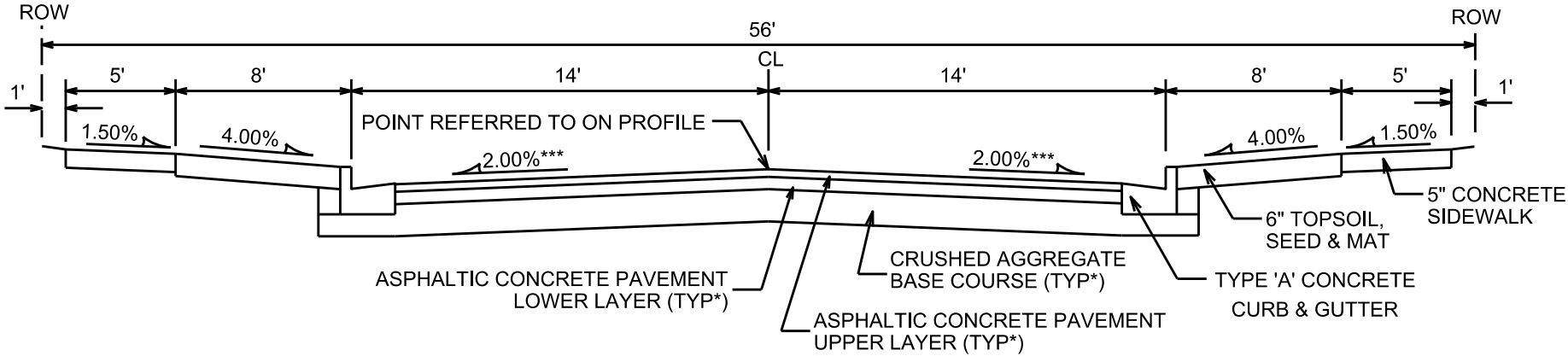
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
ASHWORTH DR.
NOT TO SCALE



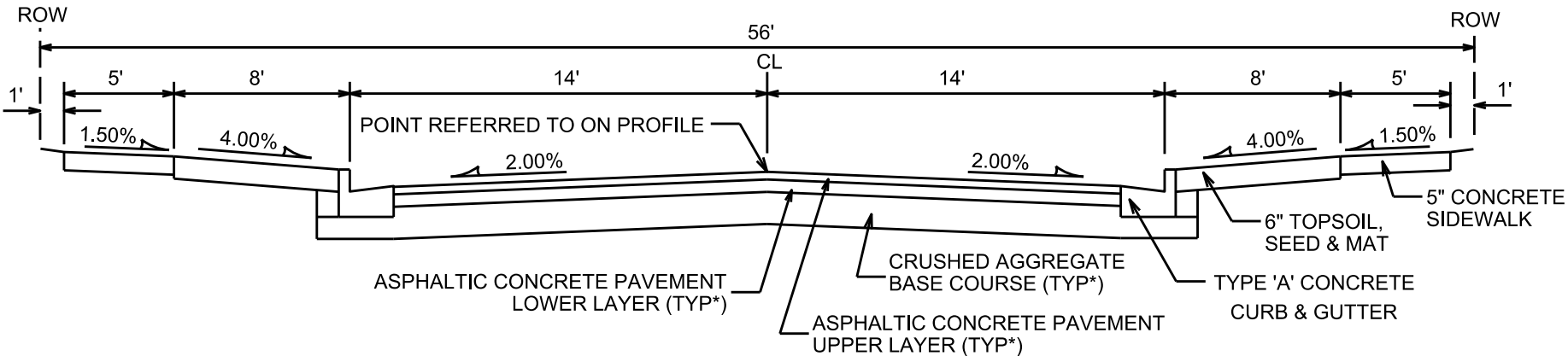
TYPICAL SECTION
GOSHAWK LANE
NOT TO SCALE

NOTES:

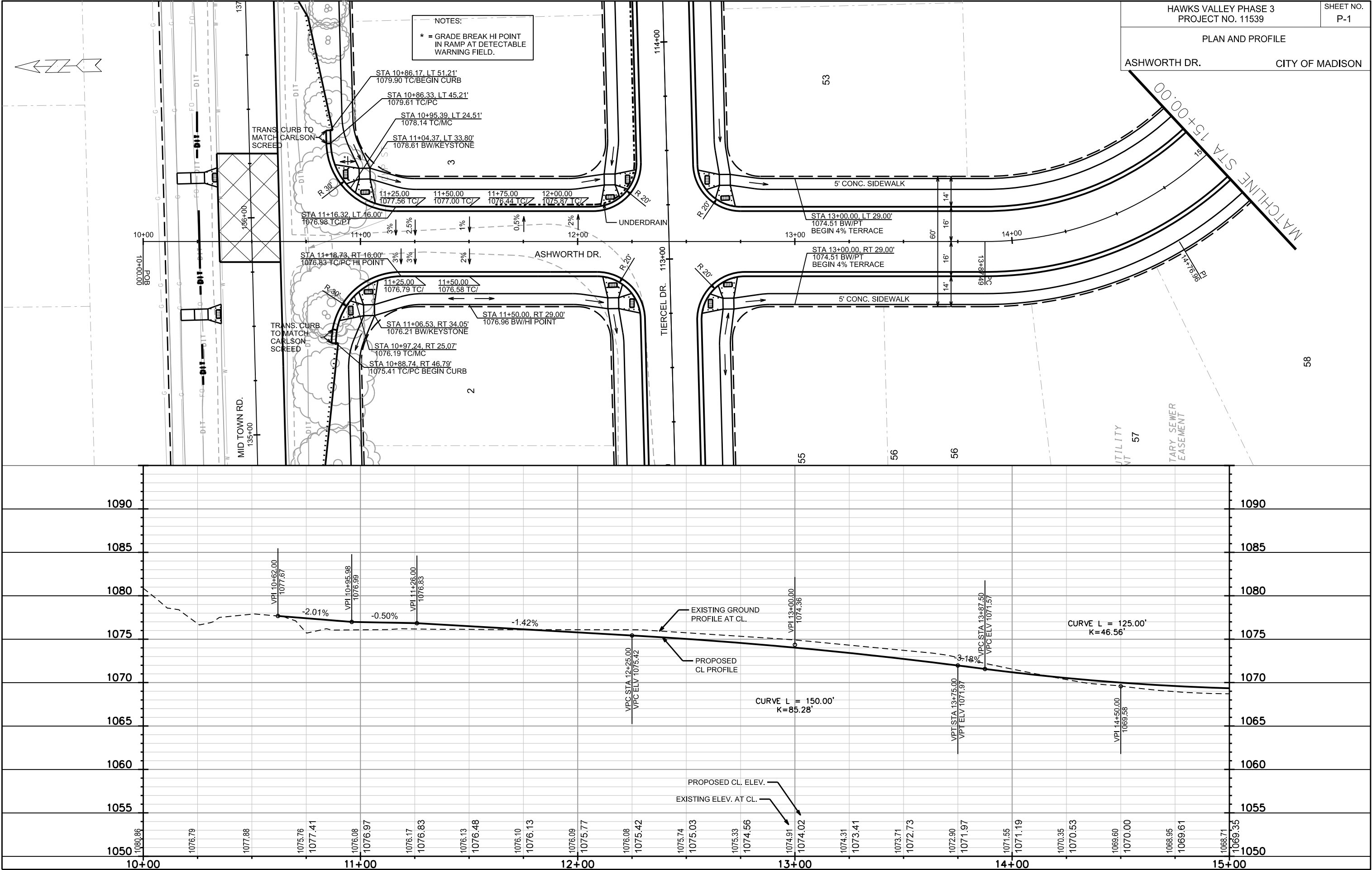
- * ASHWORTH DRIVE, GOSHAWK LANE, AND TIERCEL DRIVE TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- ** ASHWORTH DR. CROSS SLOPE VARIES FROM STA 11+00 TO 12+00. SEE PLANS
- *** GOSHAWK LN. CROSS SLOPE VARIES FROM STA 52+50 TO 54+00. SEE PLANS

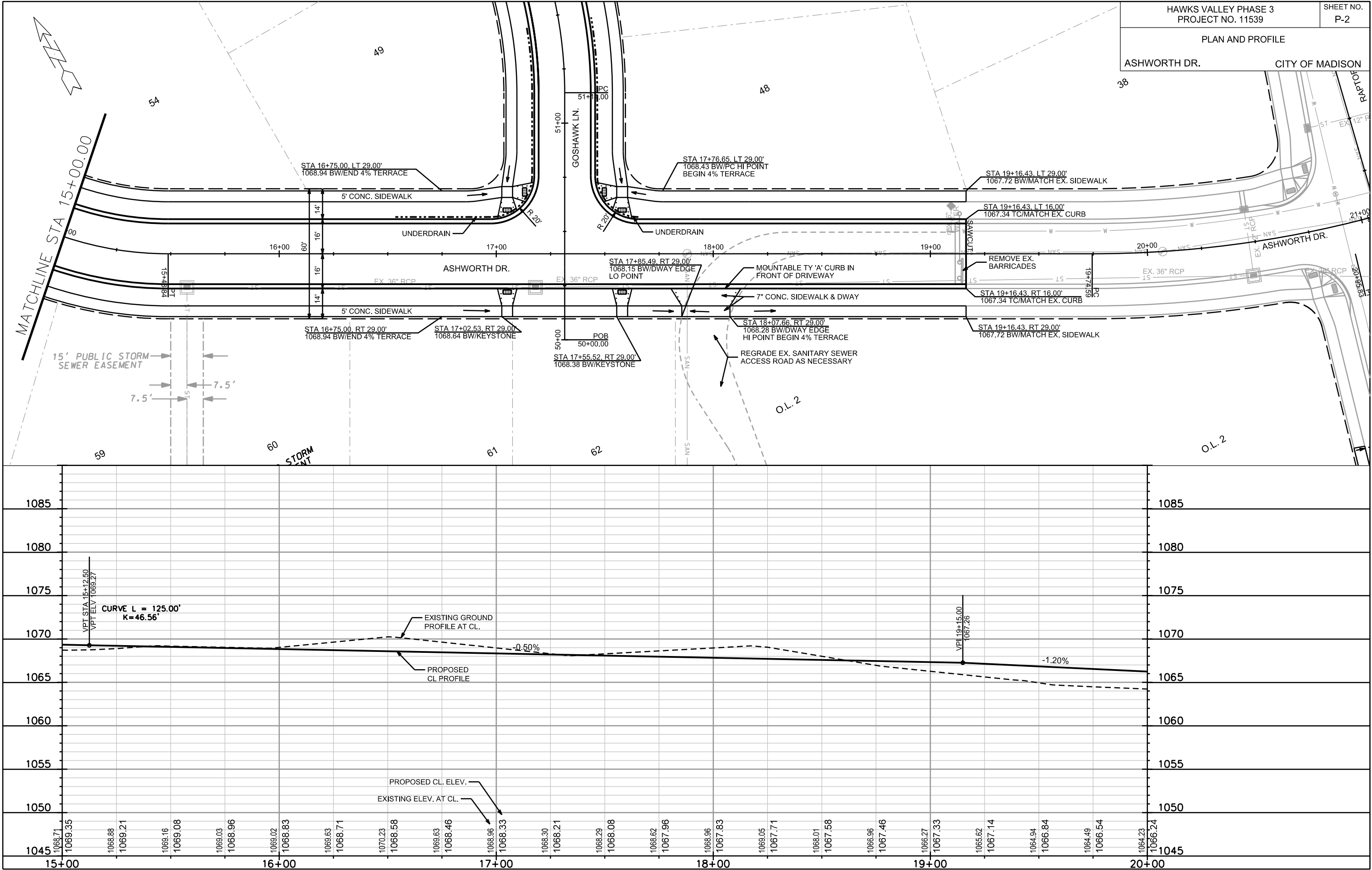
CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE GRADATION 2	ASPHALTIC CONCRETE PAVEMENT			
		LOWER LAYER	UPPER LAYER	LOWER LAYER	UPPER LAYER
		TYPE	THICKNESS	TYPE	THICKNESS
A	10"	E-0.3	1.75"	E-0.3	1.75"
B	10"	E-1	2.25"	E-1	2"
C	10"	E-3	3.25"	E-3	2"

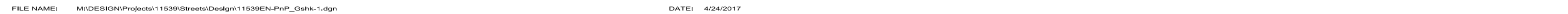


TYPICAL SECTION
TIERCEL DR.
NOT TO SCALE





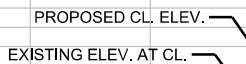
GOSHAWK LN. CITY OF MADISON



8	9
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* = GRADE BREAK HI POINT IN RAMP AT DETECTABLE WARNING FIELD.

** = FROM STA 114+85 TO STA 117+33.18, INSTALL SIDEWALK AT CONSTANT LONGITUDINAL SLOPE BETWEEN VPIs SHOWN ON THE PLAN. ALL KEYSTONES HAVE A 1.5% LONGITUDINAL SLOPE AND 1.5% CROSS SLOPE.

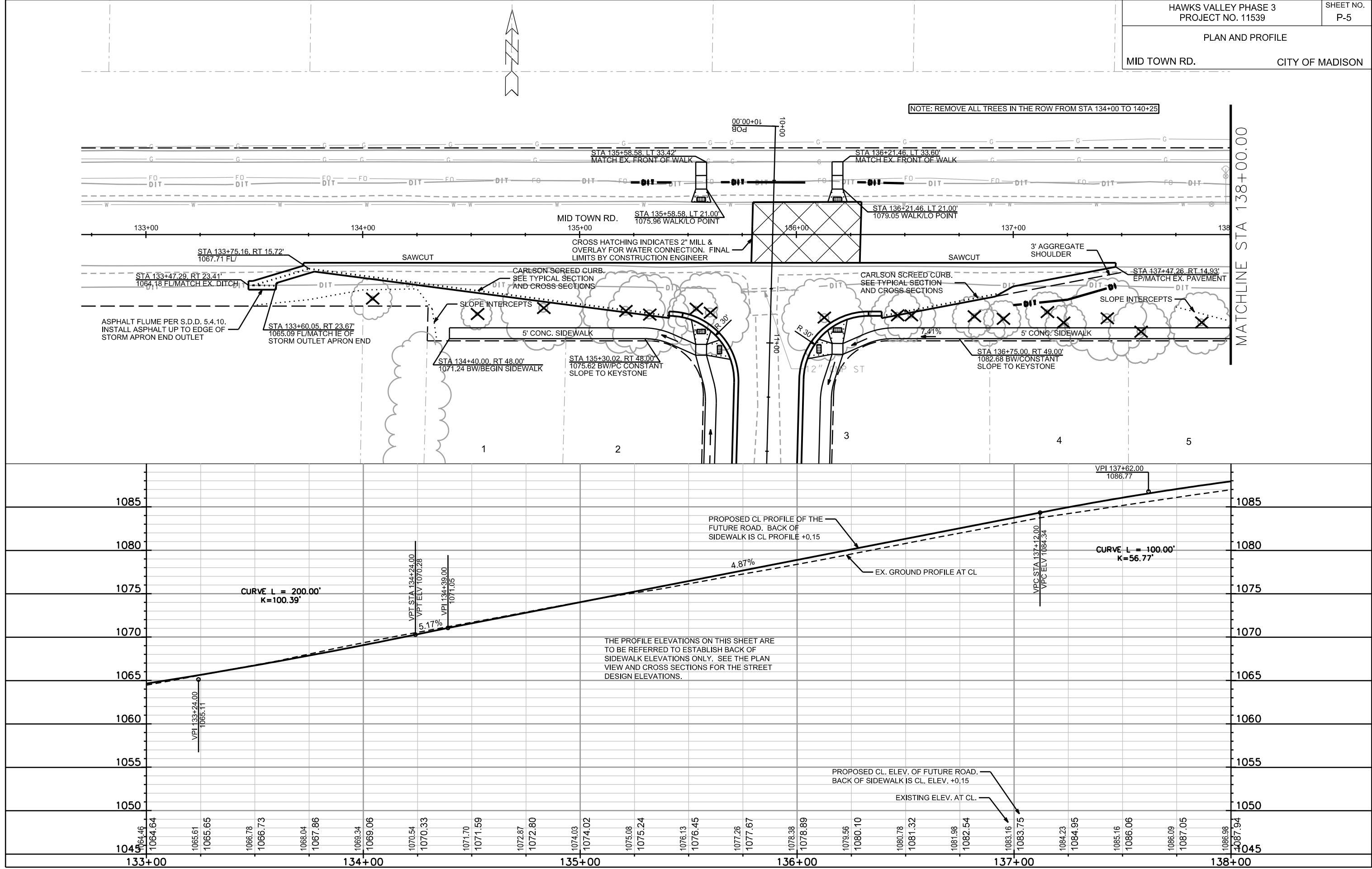


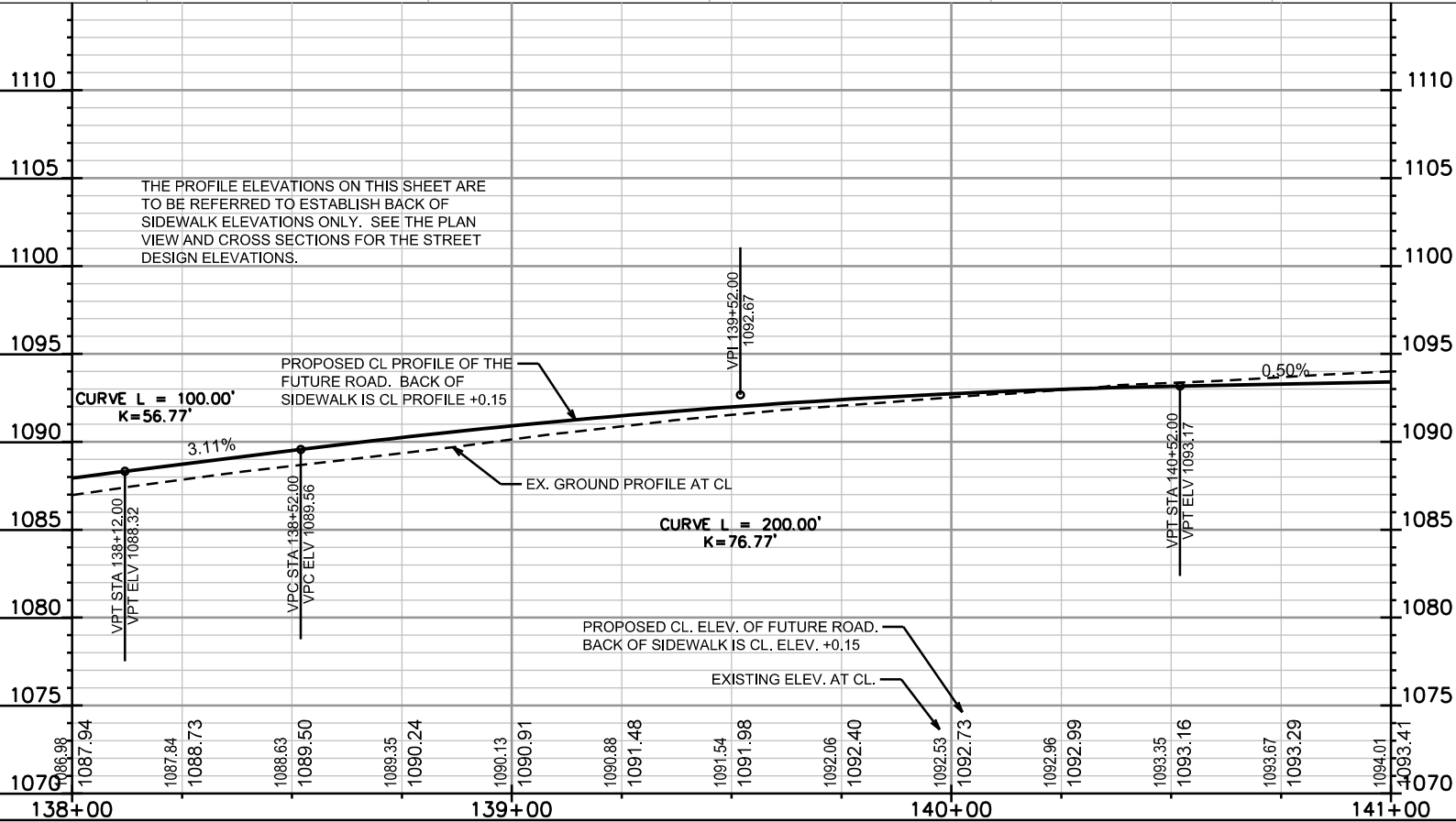
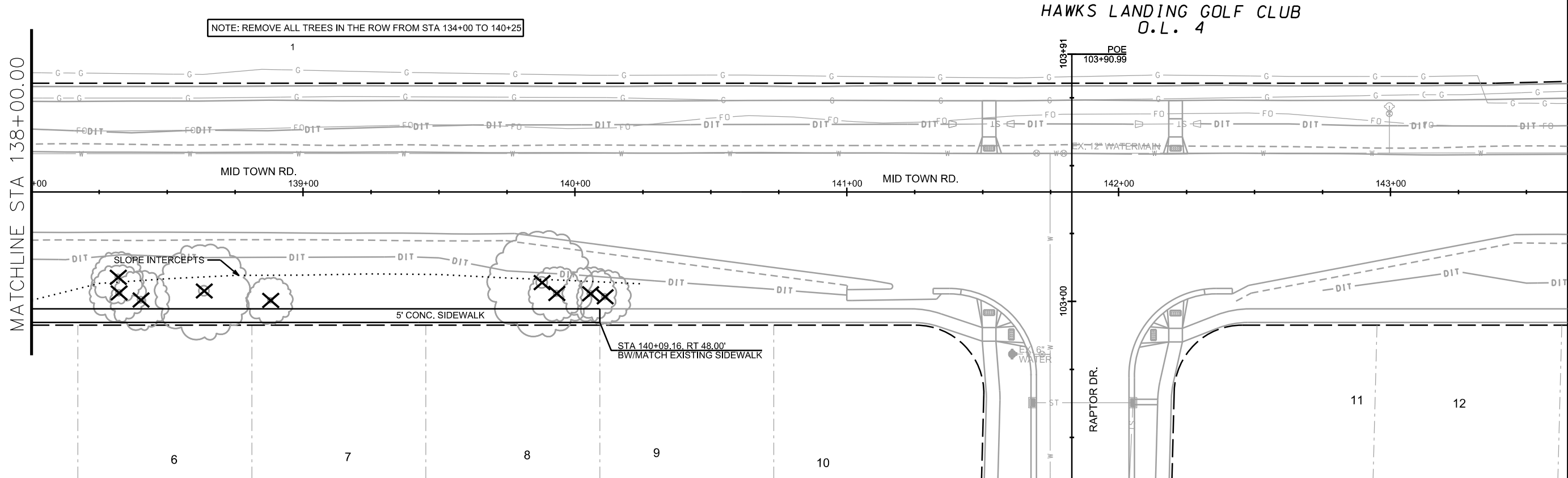
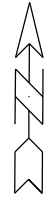
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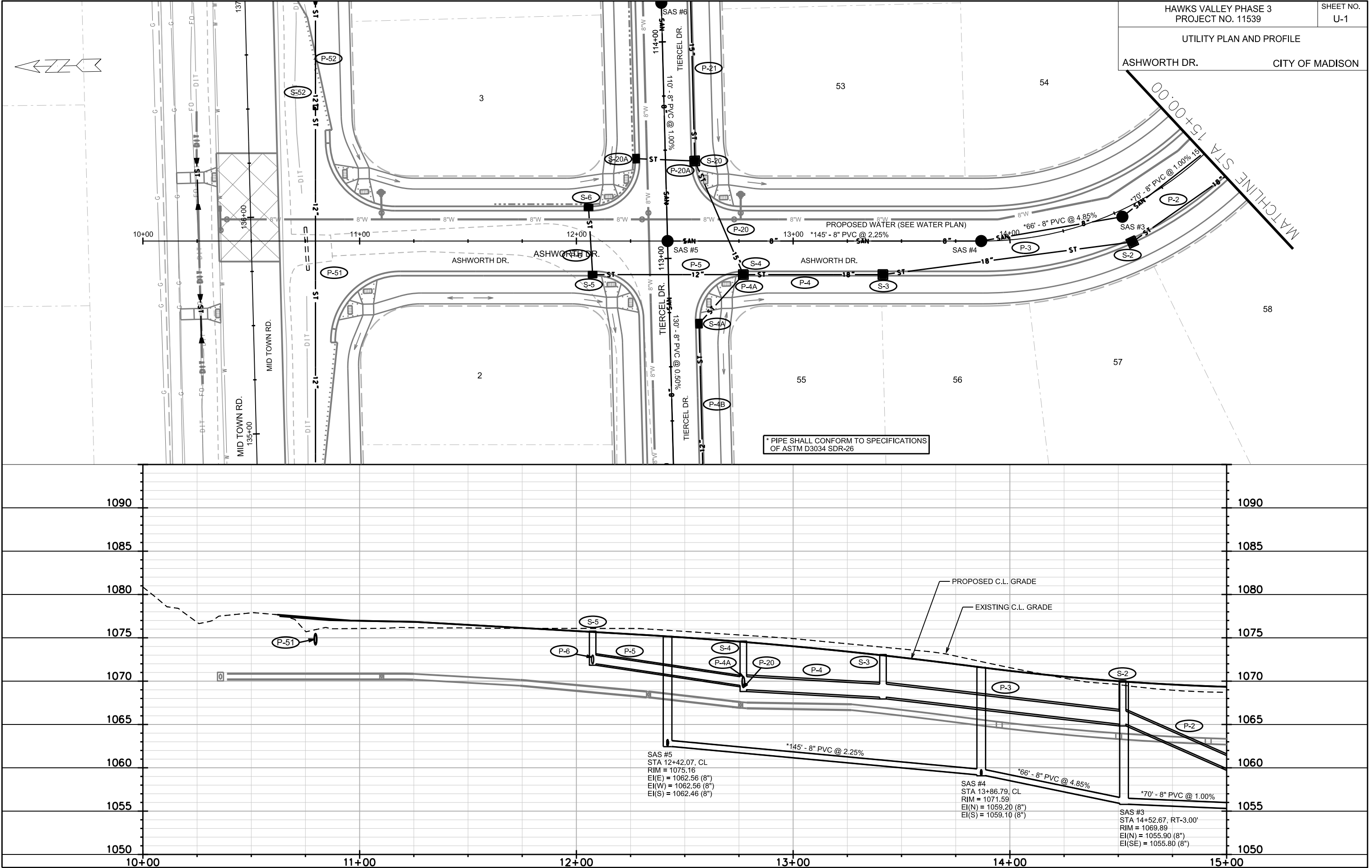
PLOT NAME: _____

REV. DATE: _____

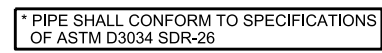
ORIGINATOR: CITY OF MADISON, STREETS DIVISION







ASHWORTH DR.	CITY OF MADISON
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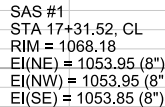
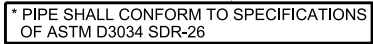


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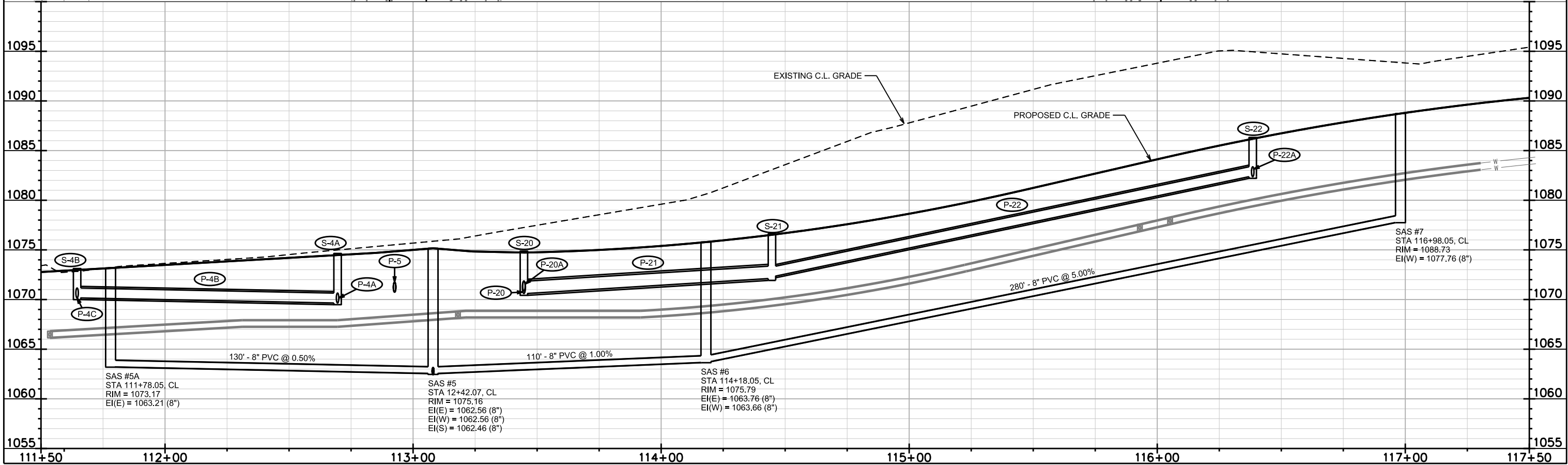
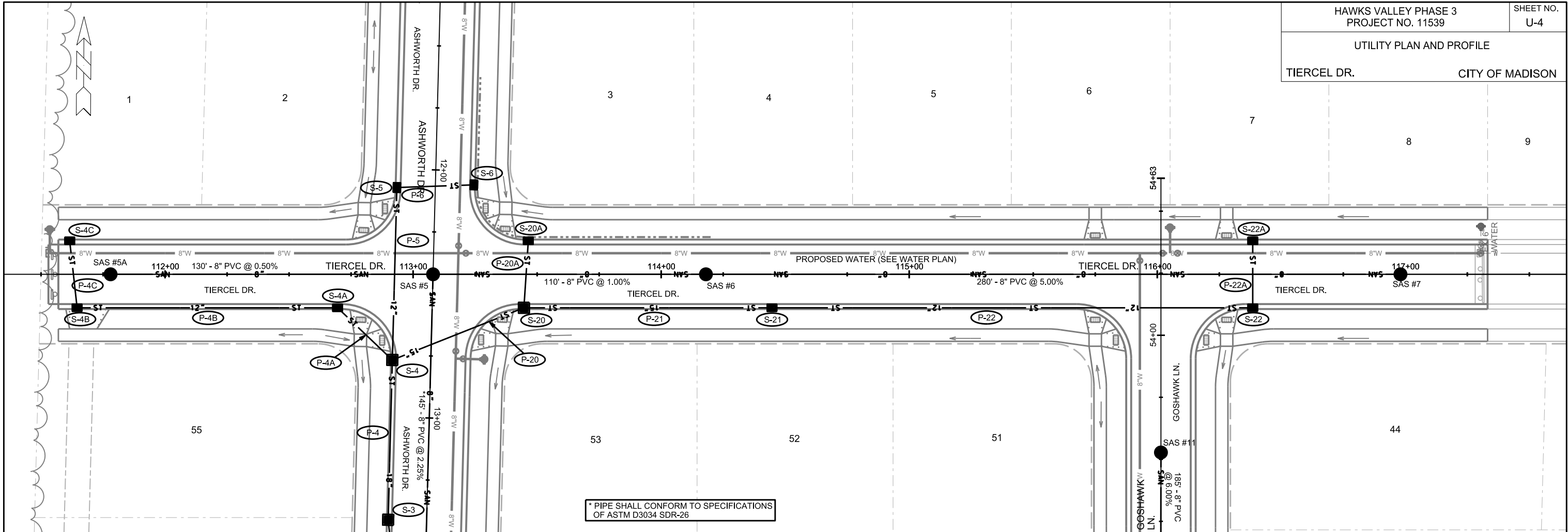
7

54+63

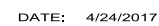


SAS #10
STA 51+68.73, RT-6.00'
RIM = 1070.09
EI(N) = 1059.25 (8")
EI(SW) = 1059.15 (8")

SAS #11	
STA 53+52.76, CL	
RIM = 1081.69	
EI(S) = 1070.35 (8")	



MID TOWN RD.	CITY OF MADISON
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SANITARY SEWER SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
ASHWORTH DRIVE						
SAS #1	17+31.52	CL	1068.18	1053.85	14.33	-
SAS #2	15+21.91	RT-3.00	1069.16	1055.00	14.16	-
SAS #3	14+52.67	RT-3.00	1069.89	1055.80	14.09	-
SAS #4	13+86.79	CL	1071.59	1059.10	12.49	-
SAS #5	12+42.07	CL	1075.16	1062.46	12.70	-
TIERCEL DRIVE						
SAS #5A	111+78.05	CL	1073.17	1063.21	9.96	-
SAS #6	114+18.05	CL	1075.79	1063.66	12.13	-
SAS #7	116+98.05	CL	1088.73	1077.76	10.97	-
GOSHAWK LANE						
SAS #10	51+68.73	RT-6.00	1070.09	1059.15	10.94	-
SAS #11	53+52.76	CL	1081.69	1070.35	11.34	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
ASHWORTH DRIVE								
EX SAS #1668-004	SAS#1	1051.31	1053.85	56.5	4.50%	8"	SDR-26	-
SAS #1	SAS #2	1053.95	1055.00	210	0.50%	8"	SDR-26	-
SAS #2	SAS #3	1055.10	1055.80	70	1.00%	8"	SDR-26	-
SAS #3	SAS #4	1055.90	1059.10	66	4.85%	8"	SDR-26	-
SAS #4	SAS #5	1059.20	1062.46	145	2.25%	8"	SDR-26	-
TIERCEL DRIVE								
SAS #5	SAS #5A	1062.56	1063.21	130	0.50%	8"	SDR-35	-
SAS #5	SAS #6	1062.56	1063.66	110	1.00%	8"	SDR-35	-
SAS #6	SAS #7	1063.76	1077.76	280	5.00%	8"	SDR-35	-
GOSHAWK LANE								
SAS #1	SAS #10	1053.95	1059.15	130	4.00%	8"	SDR-26	-
SAS #10	SAS #11	1059.25	1070.35	185	6.00%	8"	SDR-35	-

SPECIFIC NOTES

STORM SEWER SCHEDULE

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
ASHWORTH DRIVE							
S-0	15+55.00	RT-15.10	TAP	-	1054.51	-	-
S-1	15+06.66	RT-15.50	3X3 SAS	1069.40	1059.34	10.06	W/R-3067-7004-V
S-2	14+51.97	RT-15.50	3X3 SAS	1070.06	1065.04	5.02	W/R-3067-7004-V
S-3	13+41.45	RT-15.50	3X3 SAS	1073.07	1068.15	4.92	W/R-3067-7004-V
S-4	12+77.02	RT-15.50	3X3 SAS	1074.62	1069.01	5.61	W/R-3067-7004-V
S-5	12+07.50	RT-15.50	H INLET	1075.77	1072.00	3.77	W/R-3067-7004-V
S-6	12+05.61	LT-15.50	H INLET	1075.80	1072.16	3.64	W/R-3067-7004-V
S-30	15+57.52	RT-13.00	TAP	-	1064.02	-	-
S-31	15+57.53	LT-15.50	H INLET	1069.14	1064.94	4.20	W/R-3067-7004-V
TIERCEL DRIVE							
S-4A	112+69.56	RT-13.50	H INLET	1074.64	1069.65	4.99	W/R-3067-7004-V
S-4B	111+61.56	RT-13.50	H INLET	1073.12	1070.16	2.96	W/R-3067-CDS-V
S-4C	111+61.56	LT-13.50	H INLET	1073.08	1070.31	2.77	W/R-3067-7004-V
S-20	113+44.68	RT-13.50	3X3 SAS	1074.87	1070.61	4.26	W/R-3067-7004-V
S-20A	113+46.45	LT-13.50	H INLET	1074.87	1071.02	3.85	LP, W/R-3067-7004-V, (1)
S-21	114+44.68	RT-13.50	H INLET	1076.66	1072.11	4.55	W/R-3067-7004-V
S-22	116+38.50	RT-13.50	H INLET	1086.32	1082.37	3.95	W/R-3067-7004-V
S-22A	116+38.50	LT-13.50	H INLET	1086.32	1082.62	3.70	W/R-3067-7004-V
GOSHAWK LANE							
S-40	50+26.68	LT-13.50	TAP	-	1061.42	-	-
S-41	50+78.00	LT-13.50	H INLET	1067.91	1063.91	4.00	LP,W/R-3067-7004-V, (1)
S-42	50+78.00	RT-16.58	H INLET	1067.91	1064.19	3.72	LP,W/R-3067-7004-V; (1)
MID TOWN ROAD							
S-50	133+60.05	RT-23.70	12" RCP AE	-	1065.09	-	W/GATE
S-51	134+35.02	RT-25.63	VERT. BEND	-	1067.83	-	-
S-52	136.49.95	RT-31.23	VERT. BEND	-	1076.96	-	-
S-53	137+00.00	RT-32.54	12" RCP AE	-	1081.18	-	W/GATE
S-60	135+42.47	LT-24.08	12" RCP AE	-	1073.85	-	W/GATE
S-61	135+65.22	LT-24.18	12" RCP AE	-	1073.97	-	W/GATE
S-70	136+04.08	LT-24.07	12" RCP AE	-	1076.95	-	W/GATE
S-71	136+28.10	LT-24.18	12" RCP AE	-	1077.07	-	W/GATE

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	ID NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
ASHWORTH DRIVE							
ADJ-1	IN 1668-004	15+57.52	RT-15.50	1066.42	1069.14	2.72	-
GOSHAWK LANE							
ADJ-2	IN 1668-031	50+26.68	LT-13.50	1067.55	1068.34	0.79	-

SPECIFIC NOTES

(1) SEE CITY OF MADISON SDD 5.7.7A

PROPOSED STORM PIPES

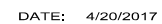
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
ASHWORTH DRIVE										
P-1	S-0	S-1	1054.51	1059.34	55	51	9.49%	18"	TYPE II	-
P-2	S-1	S-2	1059.34	1065.04	60	56.9	10.00%	18"	TYPE II	-
P-3	S-2	S-3	1065.04	1068.15	116	112.9	2.75%	18"	TYPE II	-
P-4	S-3	S-4	1068.15	1069.01	64.5	61.4	1.40%	18"	TYPE II	-
P-5	S-4	S-5	1069.51	1072.00	69.5	66.5	3.75%	12"	TYPE I	-
P-6	S-5	S-6	1072.00	1072.16	31	29.1	0.55%	12"	TYPE I	-
P-30	S-30	S-31	1064.02	1064.94	35	30.7	3.00%	15"	TYPE I	-
TIERCEL DRIVE										
P-4A	S-4	S-4A	1069.51	1069.65	30.5	27	0.50%	12"	TYPE II	-
P-4B	S-4A	S-4B	1069.65	1070.16	105	102	0.50%	12"	TYPE II	-
P-4C	S-4B	S-4C	1070.16	1070.31	27	25.2	0.60%	12"	TYPE I	-
P-20	S-4	S-20	1069.26	1070.61	57	53.8	2.50%	15"	TYPE I	-
P-20A	S-20	S-20A	1070.86	1071.02	27	24.5	0.65%	12"	TYPE I	-
P-21	S-20	S-21	1070.61	1072.11	100	97	1.55%	15"	TYPE II	-
P-22	S-21	S-22	1072.36	1082.37	194	190.8	5.25%	12"	TYPE I	-
P-22A	S-22	S-22A	1082.37	1082.62	27	25	1.00%	12"	TYPE I	-
GOSHAWK LANE										
P-40	S-40	S-41	1061.42	1063.91	54	49.8	5.00%	15"	TYPE I	-
P-41	S-41	S-42	1063.91	1064.19	30	28.2	1.00%	15"	TYPE I	-
MID TOWN ROAD										
P-50	S-50	S-51	1065.09	1067.83	69	75	3.65%	12"	TYPE I	-
P-51	S-51	S-52	1067.83	1076.96	215	215	4.25%	12"	TYPE I	-
P-52	S-52	S-53	1076.96	1081.18	44	50	8.45%	12"	TYPE I	-
P-60	S-60	S-61	1073.85	1073.97	11	22.7	0.53%	12"	TYPE II	-
P-70	S-70	S-71	1076.95	1077.07	12	24	0.50%	12"	TYPE II	-

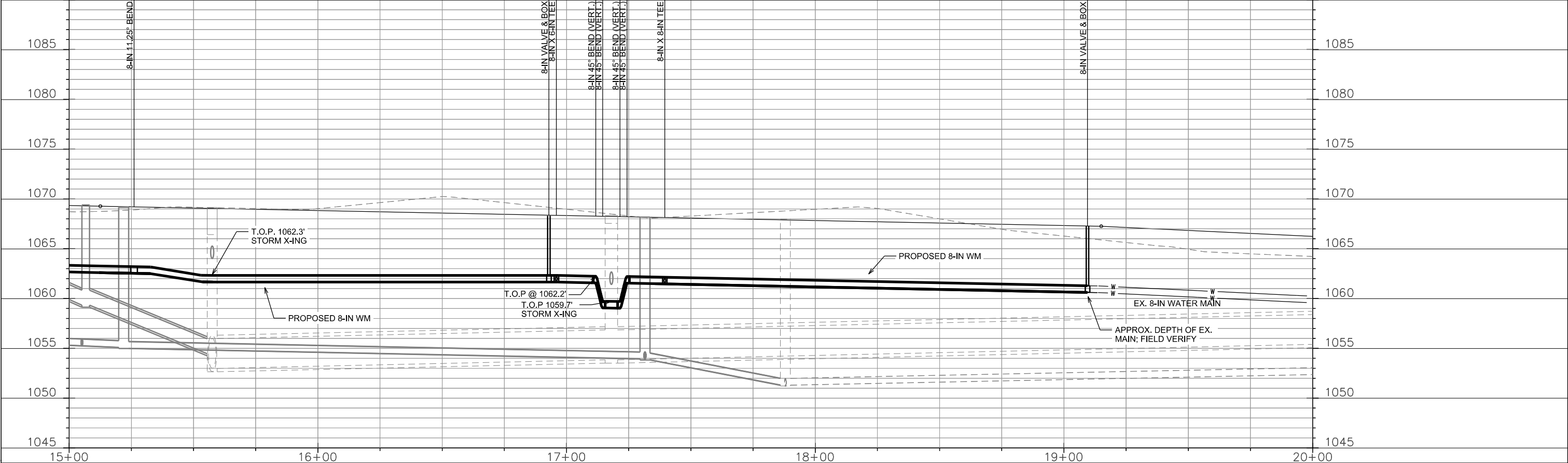
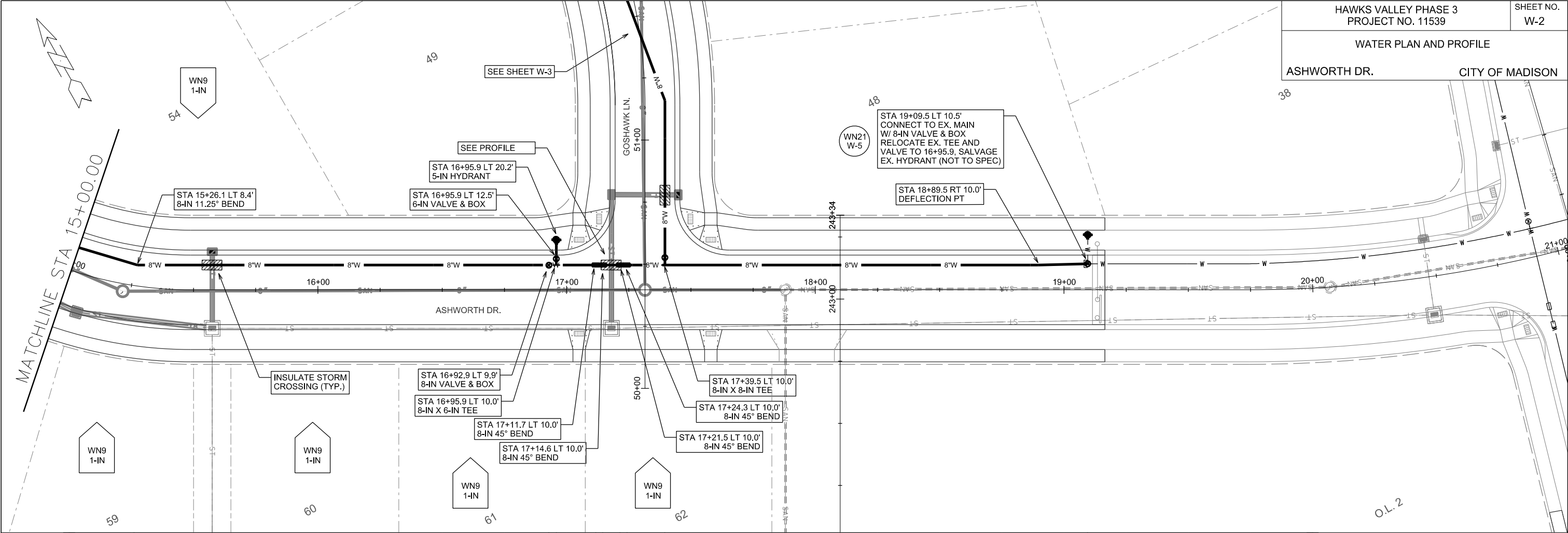
NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

STANDARD NOTES:

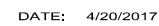
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

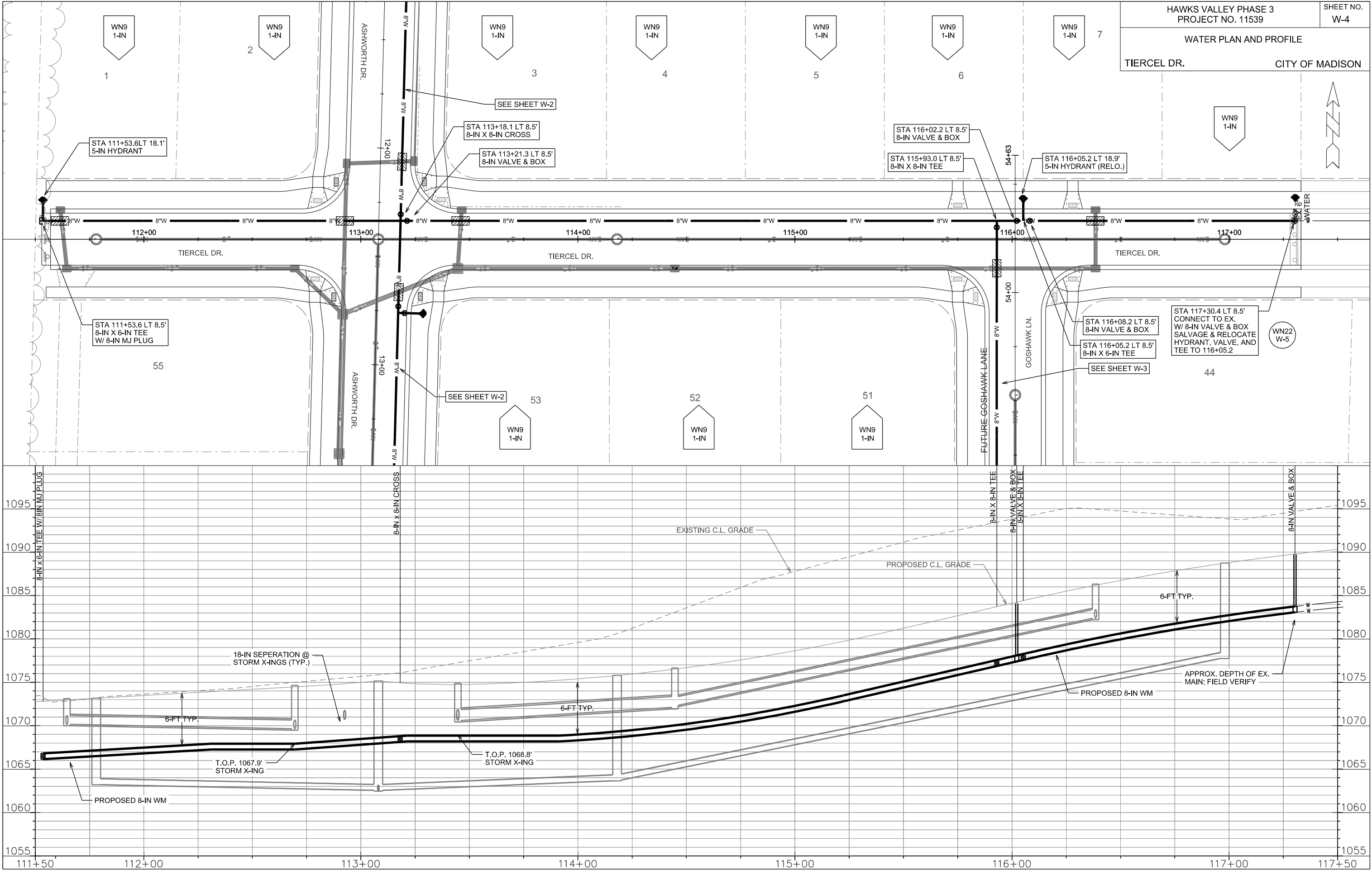
ASHWORTH DR.	CITY OF MADISON
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WATER PLAN AND PROFILE	
GOSHAWK LN.	CITY OF MADISON



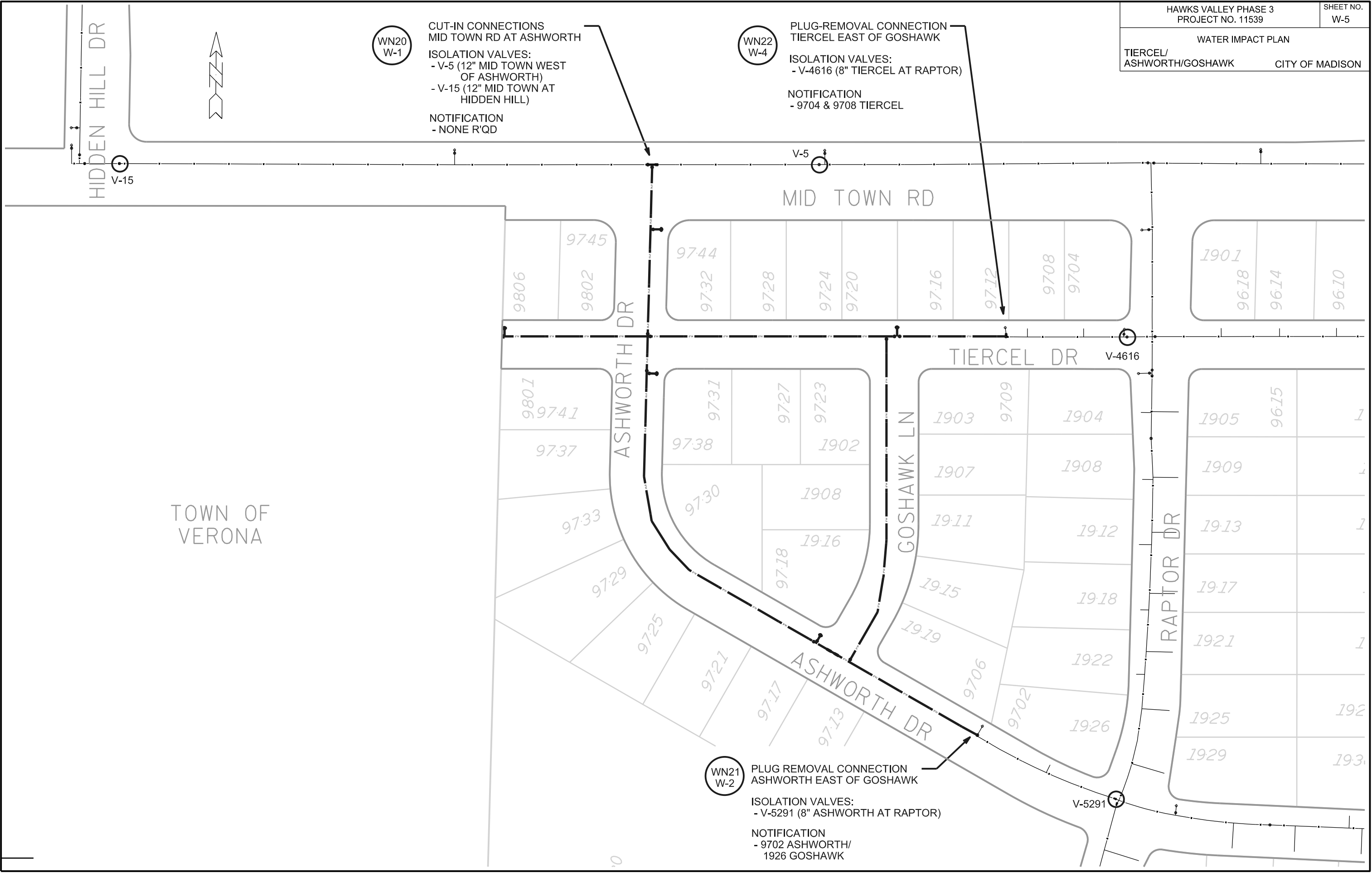


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



HAWKS VALLEY PHASE 3 PROJECT NO. 11539		SHEET NO. W-5
WATER IMPACT PLAN		
TIERCEL/ ASHWORTH/GOSHAWK		CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- | | |
|-----------------------|-----------------------------------|
| 40-FT - 6-IN PIPE | 1 - 12-IN CUT-IN SLEEVE |
| 1860-FT - 8-IN PIPE | 2 - 8-IN 11.25° BEND |
| 20-FT - 12-IN PIPE | 3 - 8-IN 22.5° BEND |
| 2 - 6-IN VALVE & BOX | 4 - 8-IN 45° BEND |
| 11 - 8-IN VALVE & BOX | 88 L.F. 2-IN STYROFOAM INSULATION |
| 1 - 12-IN VALVE & BOX | 2120-FT - POLY WRAP |
| 3 - 8-IN X 6-IN TEE | 1-IN COPPER (AS REQ'D) |
| 2 - 8-IN X 8-IN TEE | 3 - 5-IN HYDRANT |
| 1 - 12-IN X 8-IN TEE | |
| 1 - 8-IN X 8-IN CROSS | |

ESTIMATE OF MATERIALS SALVAGED:

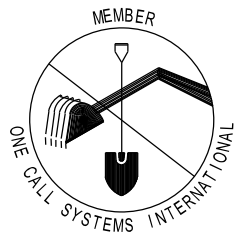
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 2 - 8-IN X 6-IN TEE (RELOCATED)
1 - 6-IN VALVE & BOX (RELOCATED)
1 - 5-IN HYDRANTS (RELOCATED)
1 - 5-IN HYDRANTS (SALVAGED)

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

HAWKS VALLEY PH. 3
PROJECT NO. 11539

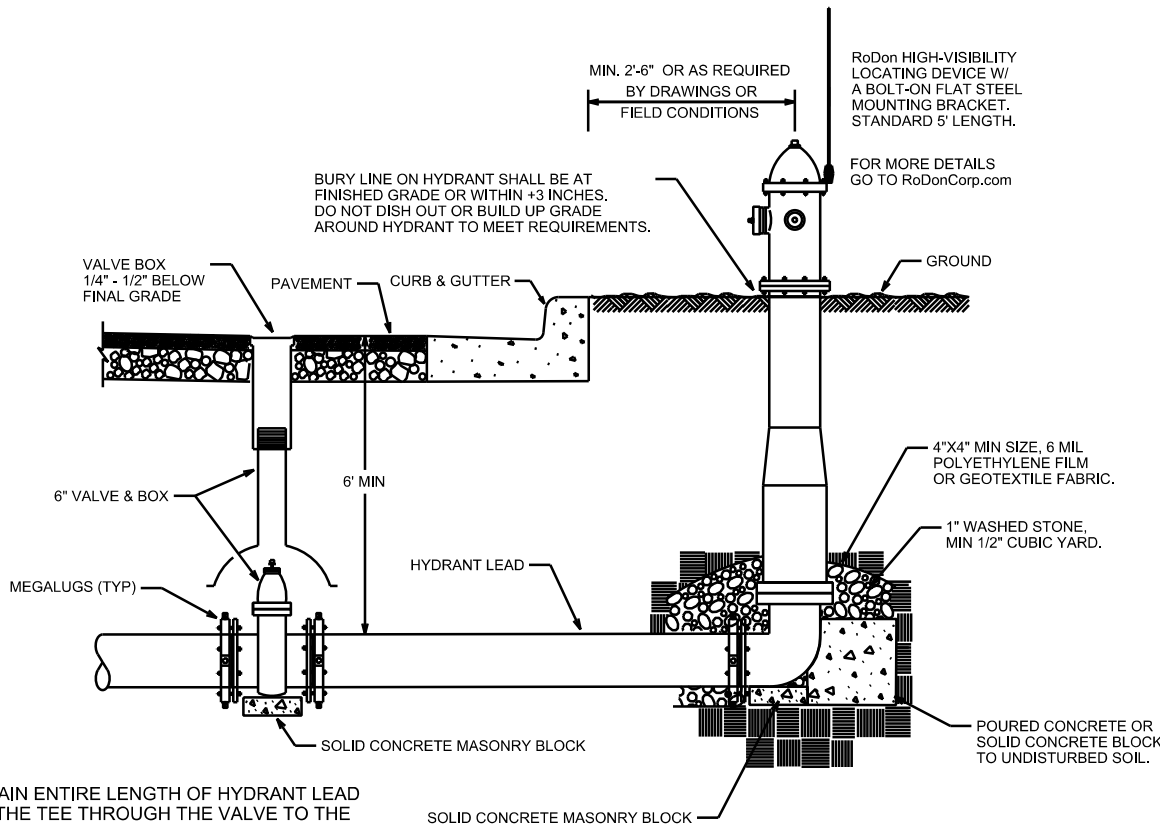
SHEET NO.
W-6

WATER ESTIMATE OF MATERIALS
GOSHAWK, ASHWORTH, TIERCEL CITY OF MADISON

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



NOTE:

1. RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

CROSS SECTIONS

MID TOWN ROAD

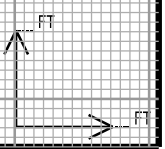
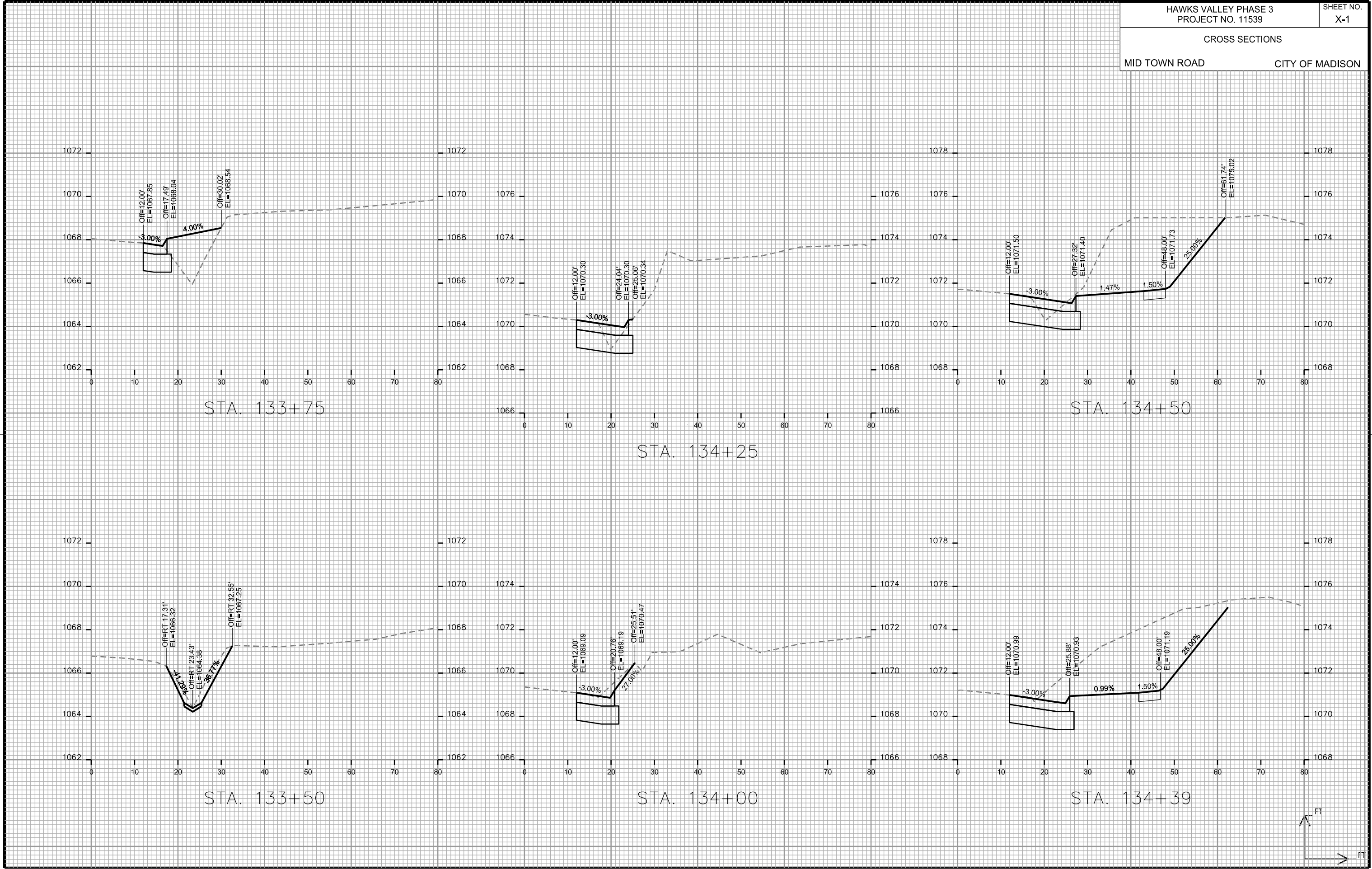
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

MID TOWN ROAD

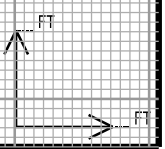
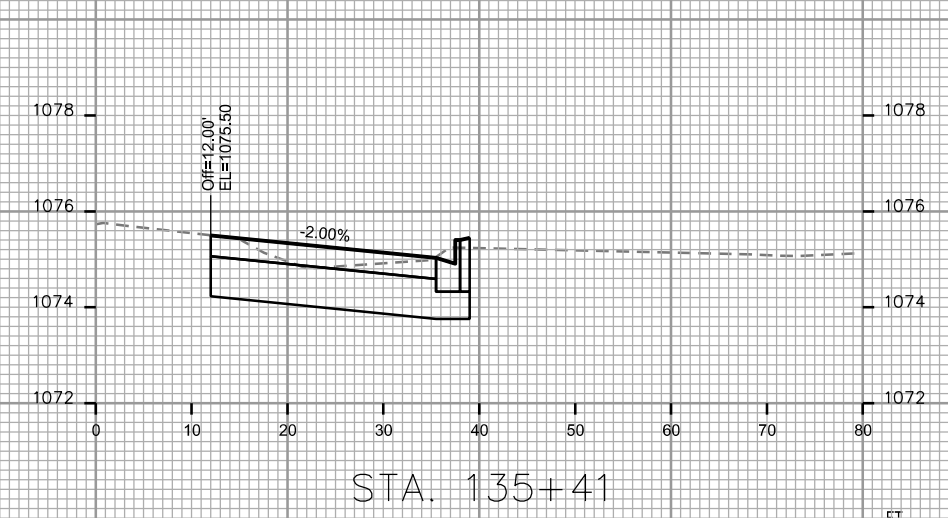
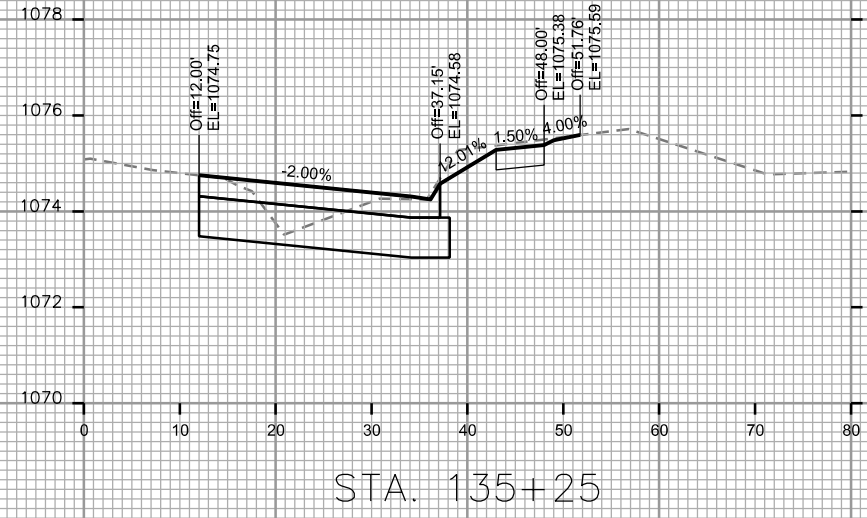
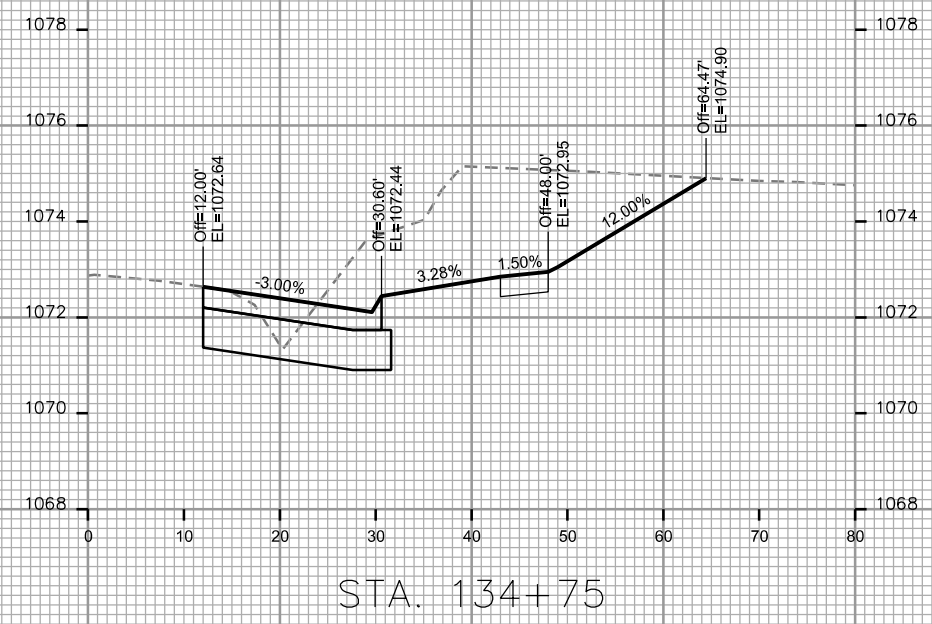
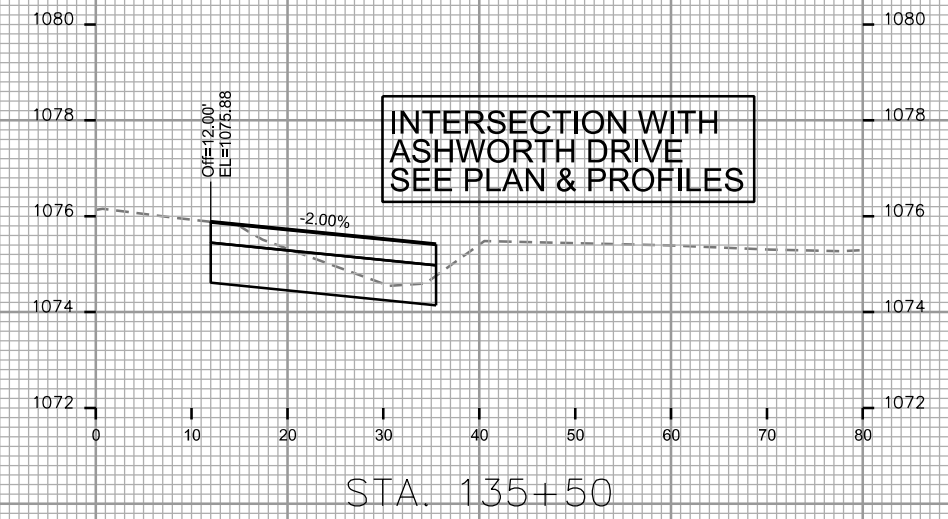
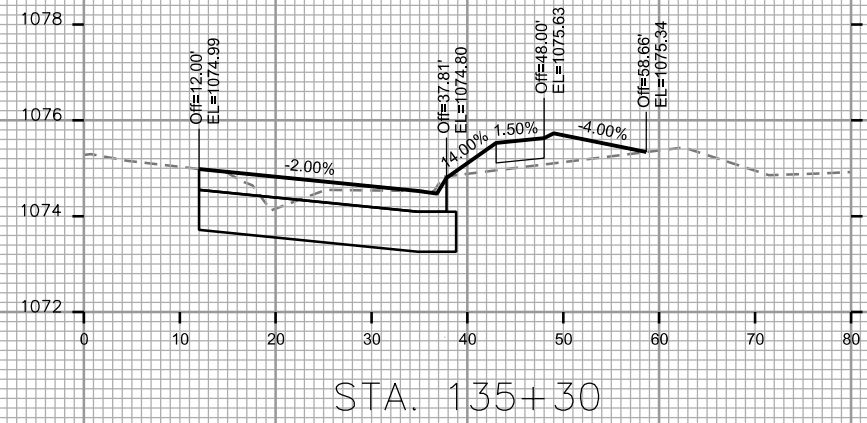
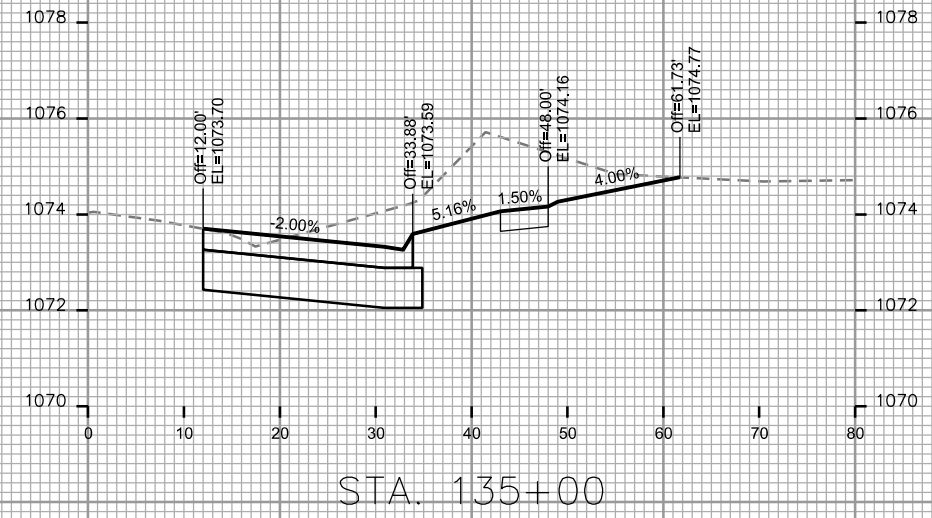
CITY OF MADISON

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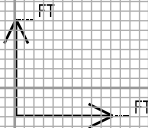
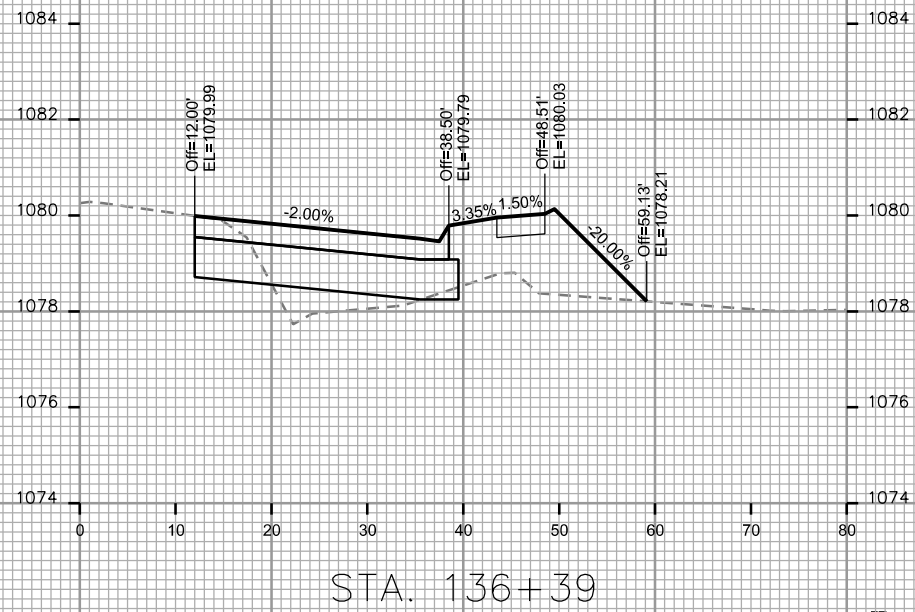
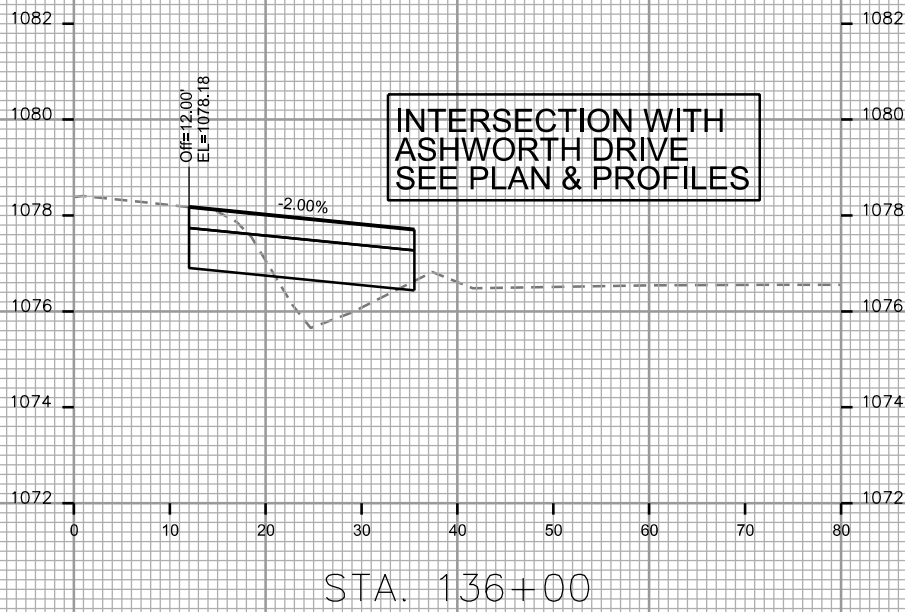
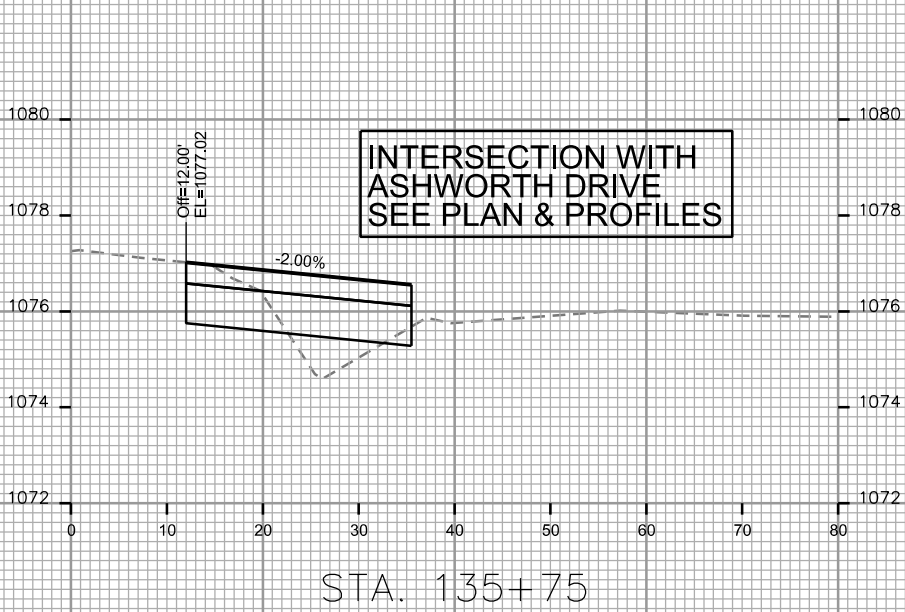
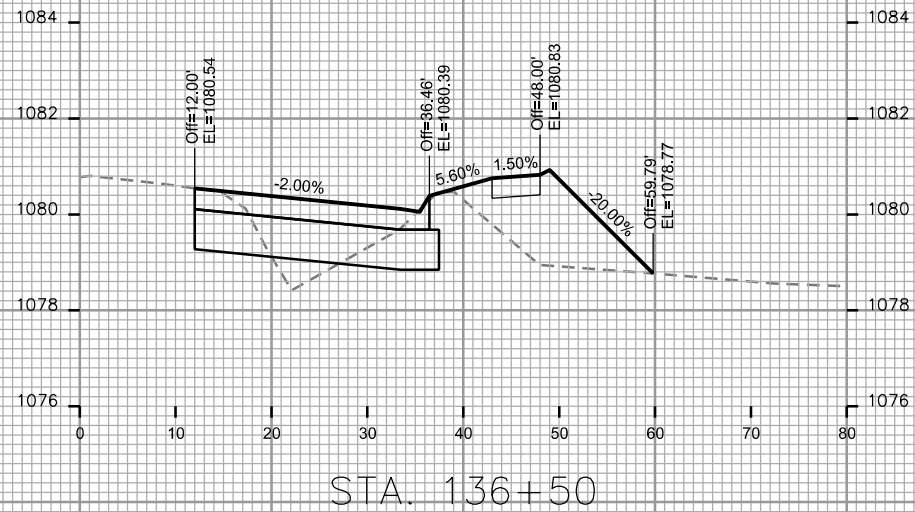
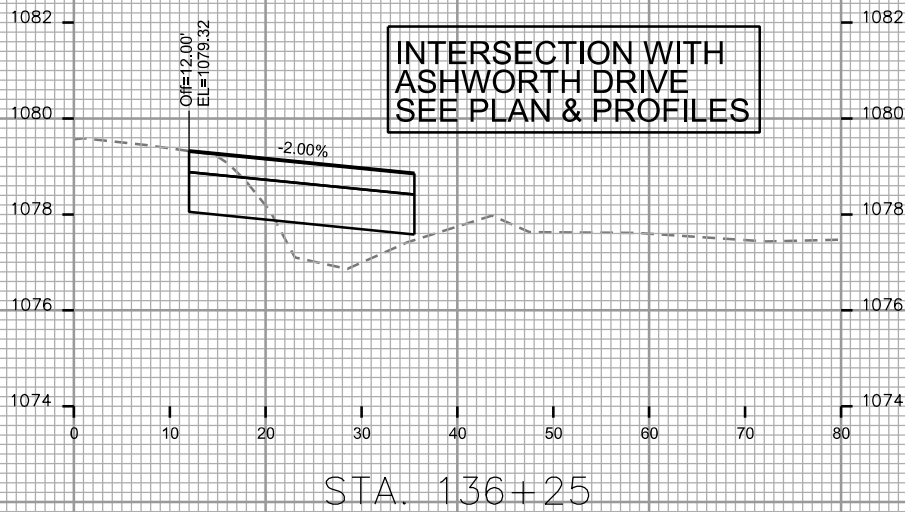
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

MID TOWN ROAD

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

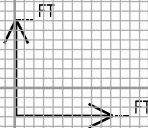
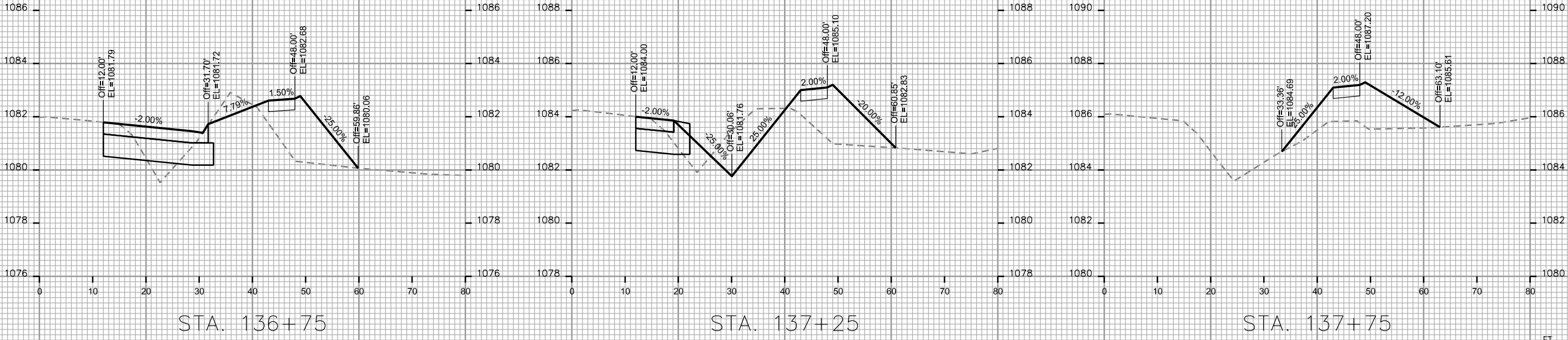
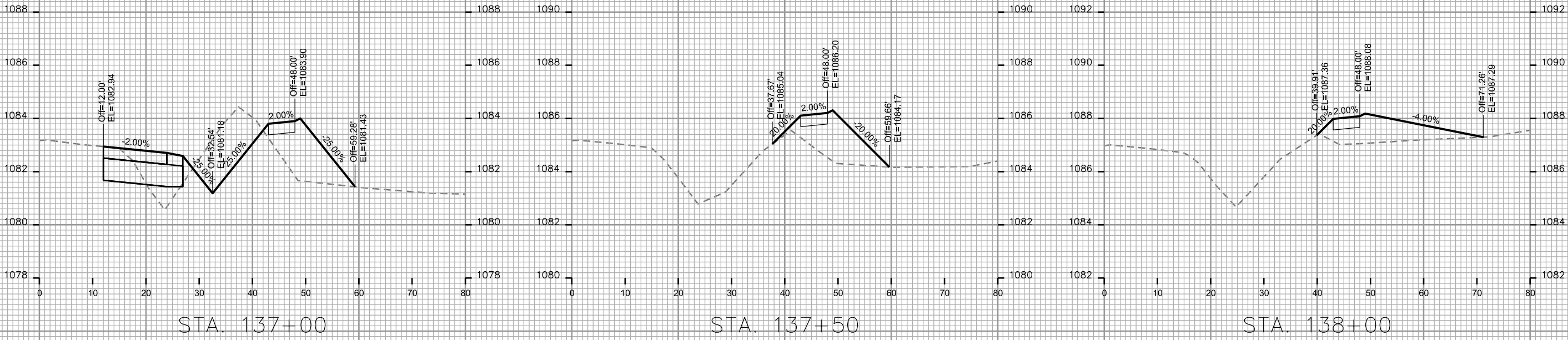
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CROSS SECTIONS

MID TOWN ROAD

CITY OF MADISON

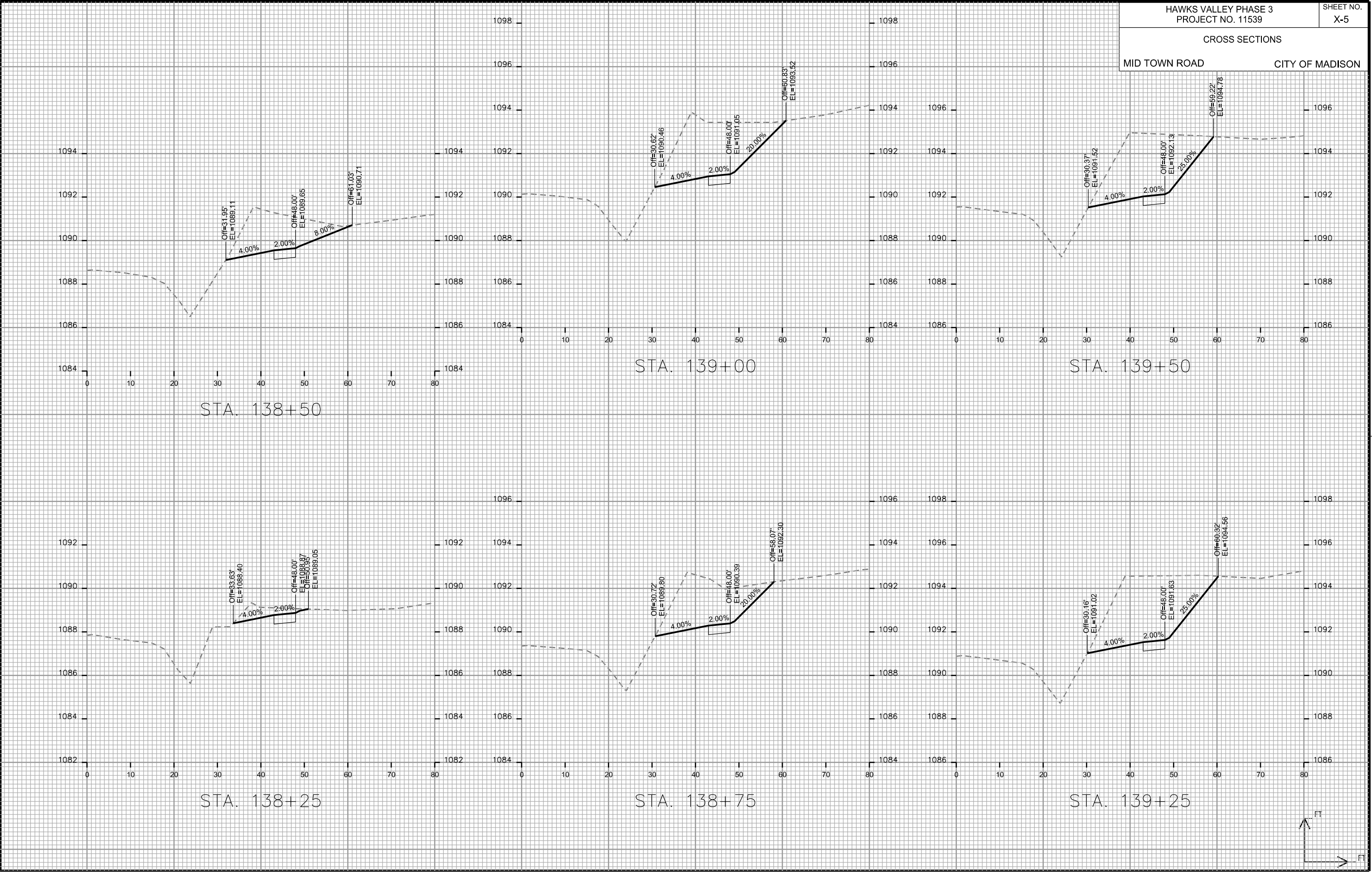


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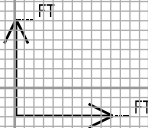
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CROSS SECTIONS

MID TOWN ROAD

CITY OF MADISON



CROSS SECTIONS

MID TOWN ROAD

CITY OF MADISON

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