

Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

AUGUST 10, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

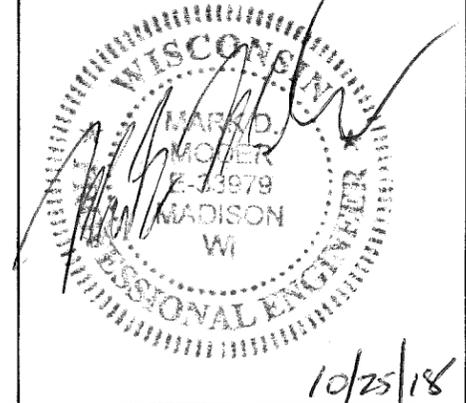
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature]
 City Engineer Date

WATER DESIGNED BY:

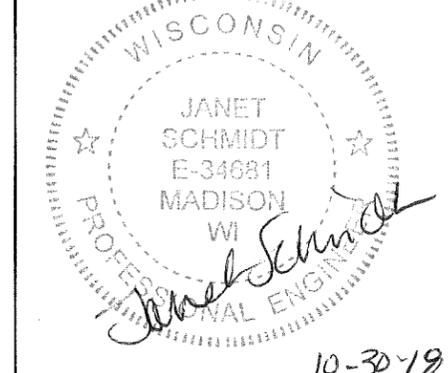


SANITARY SEWER DESIGNED BY:



STORM SEWER DESIGNED BY:

STREET DESIGNED BY:



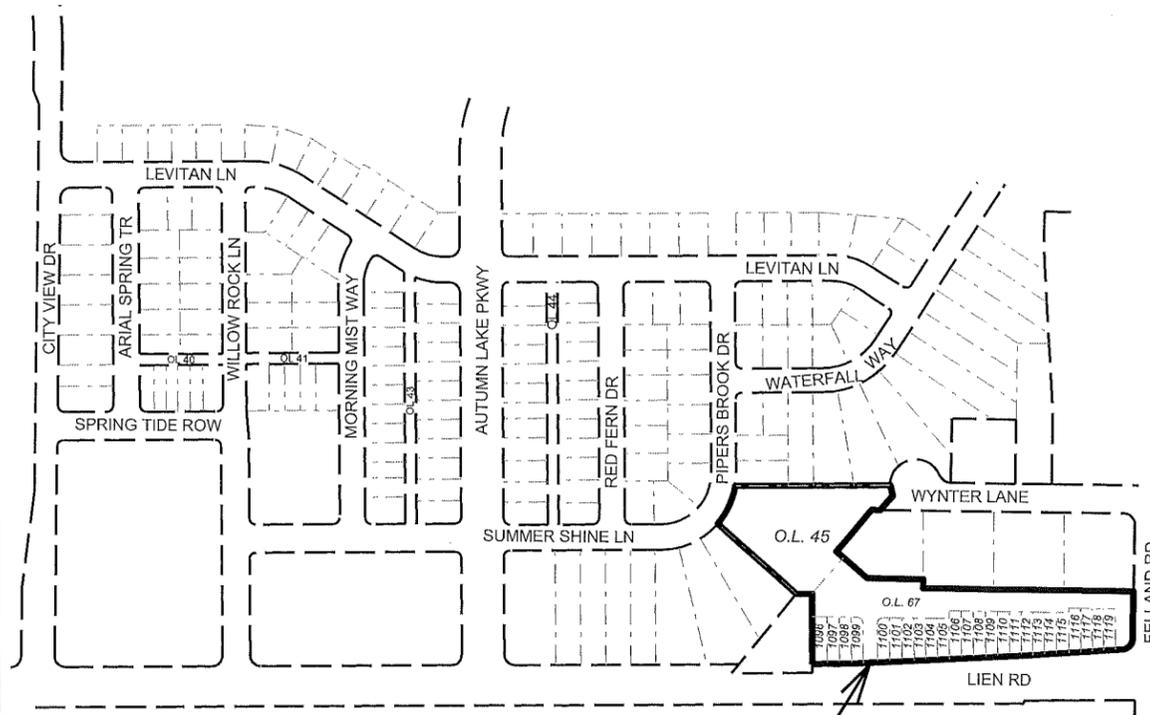
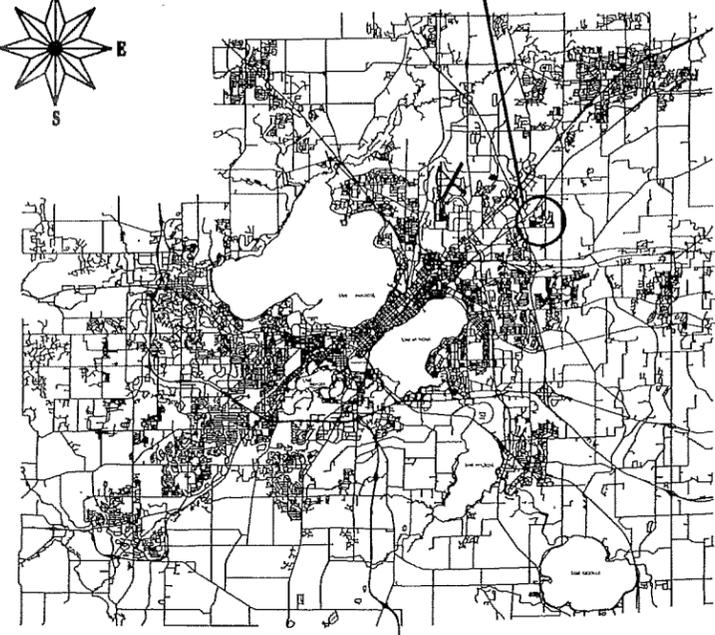
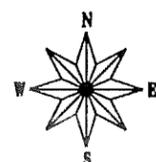
VILLAGE AT AUTUMN LAKE - PHASE 8

MUNIS NO. 11951

CITY PROJECT NO. 11951

CITY CONTRACT NO. 8237

PROJECT LOCATION



PHASE 8

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAIL

STANDARD NOTES
AND COMMENTS

CITY OF MADISON

EXISTING STREET TREES SHALL BE PROTECTED. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) 48 HOURS PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION -[HTTP://WWW.CITYOFMADISON.COM/BUSINESS/PWDOCUMENTS/STDSPESCS2013/PART1.PDF](http://www.cityofmadison.com/business/pwdocuments/stdspecs2013/part1.pdf)

CONTRACTOR SHALL CONTACT CITY FORESTRY BRAD HOFMANN
BHOFMANN@CITYOFMADISON.COM OR 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.

CONTRACTOR/DEVELOPER SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO THE START OF WORK. WORK WITHIN THE RIGHT-OF-WAY SHALL NOT BEGIN UNTIL THE TRAFFIC CONTROL PLAN IS APPROVED.

ANY PAVEMENT MARKINGS THAT ARE REMOVED OR DAMAGED SHALL BE REPLACED BY THE DEVELOPER/CONTRACTOR AS DIRECTED BY CITY TRAFFIC ENGINEERING.

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

ALL PAVEMENT IN THE FELLAND ROAD RIGHT-OF-WAY SHALL BE TYPE B 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.

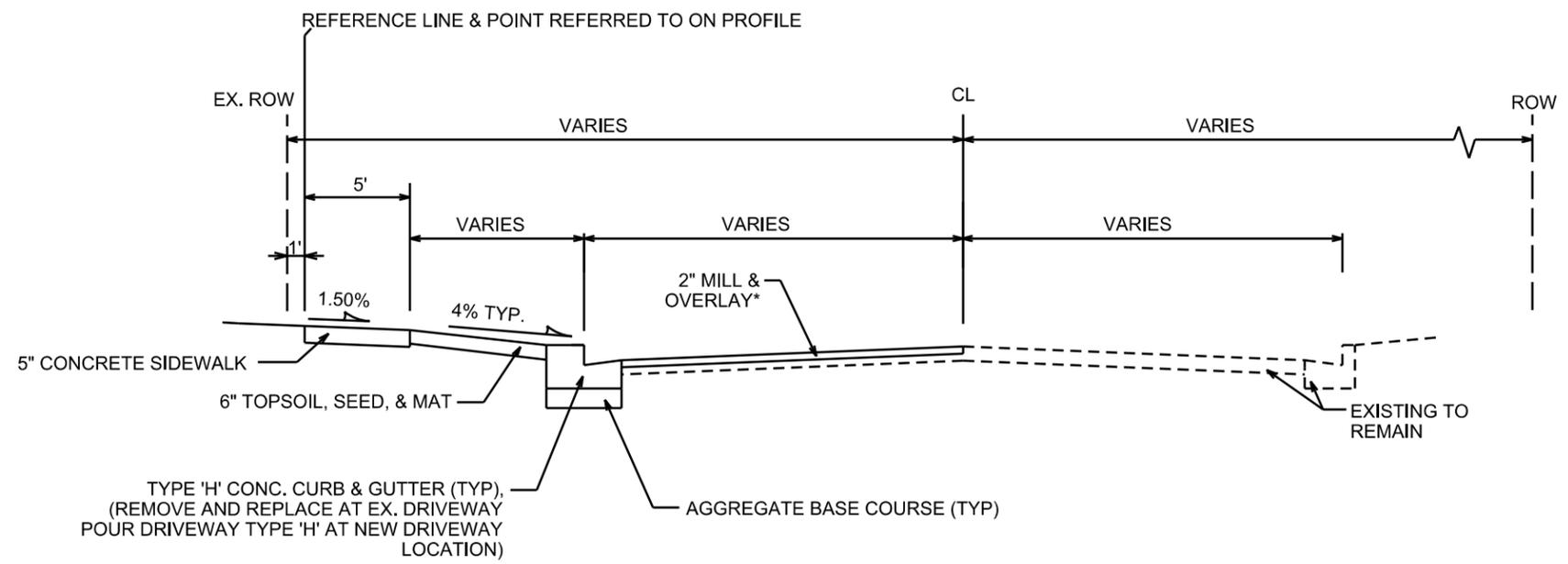
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: _____

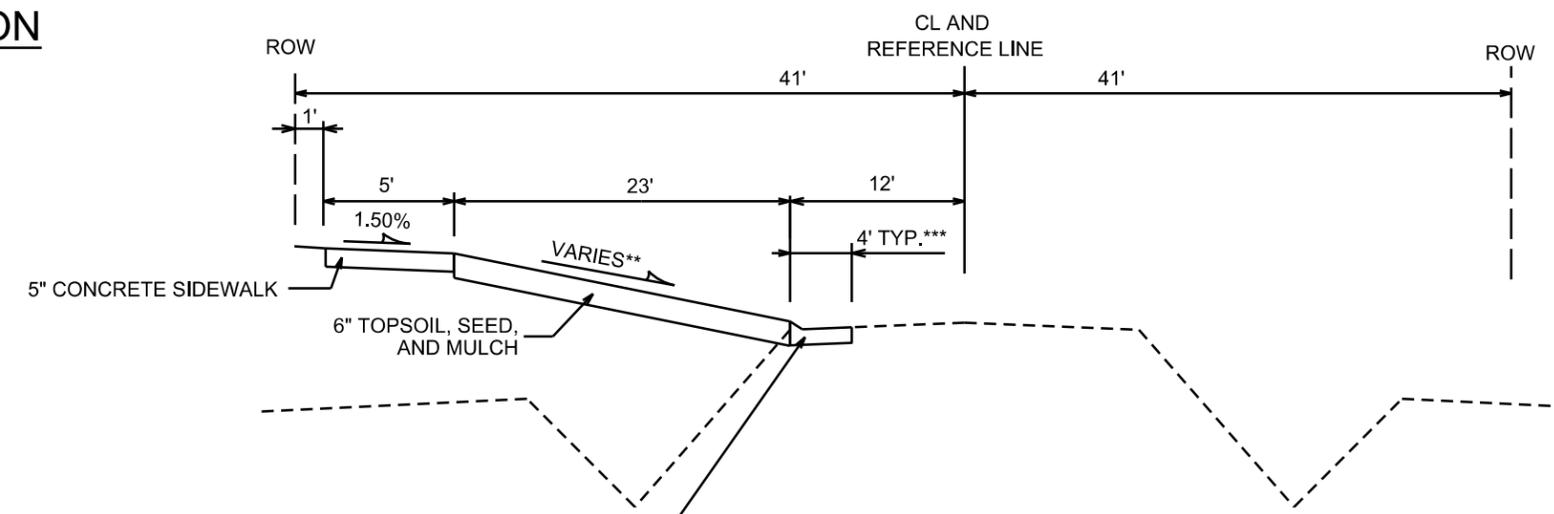
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REV. DATE: _____

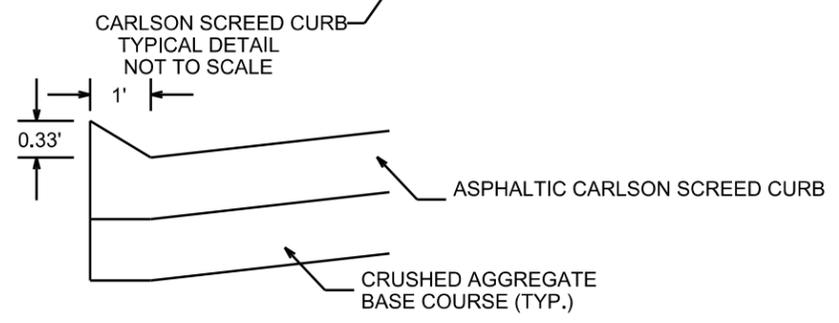
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
LIEN ROAD
NOT TO SCALE



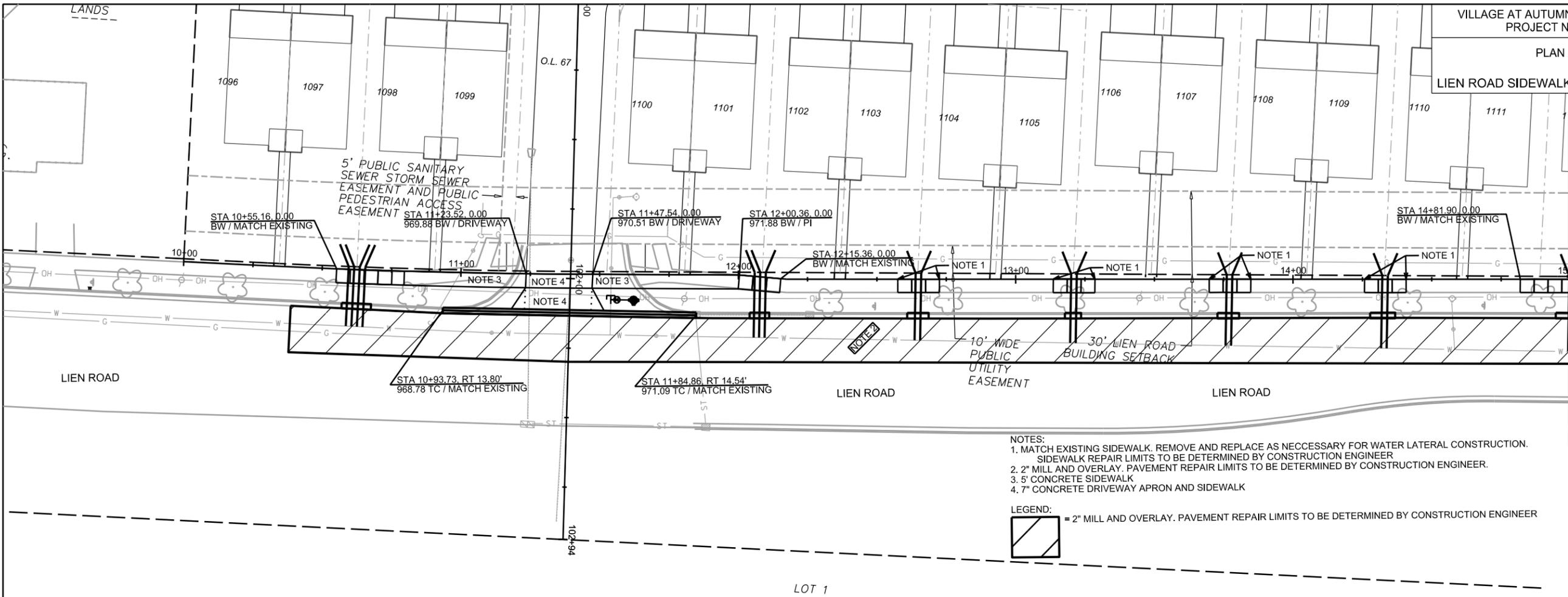
TYPICAL SECTION
FELLAND ROAD
NOT TO SCALE



NOTES:
 * 2" MILL AND OVERLAY REQUIRED PER CITY OF MADISON STANDARDS. FINAL LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER.
 ** FELLAND ROAD TERRACE CROSS SLOPE VARIES. SEE P-3 AND CROSS SECTIONS FOR DETAILS
 *** FELLAND ROAD MILL & OVERLAY LIMITS SHALL BE COMPLETED WHERE A GOOD SAWCUT EDGE CAN BE MAINTAINED. FELLAND ROAD PAVEMENT REPAIR LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER.

PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

MATCHLINE STA 15+00.00



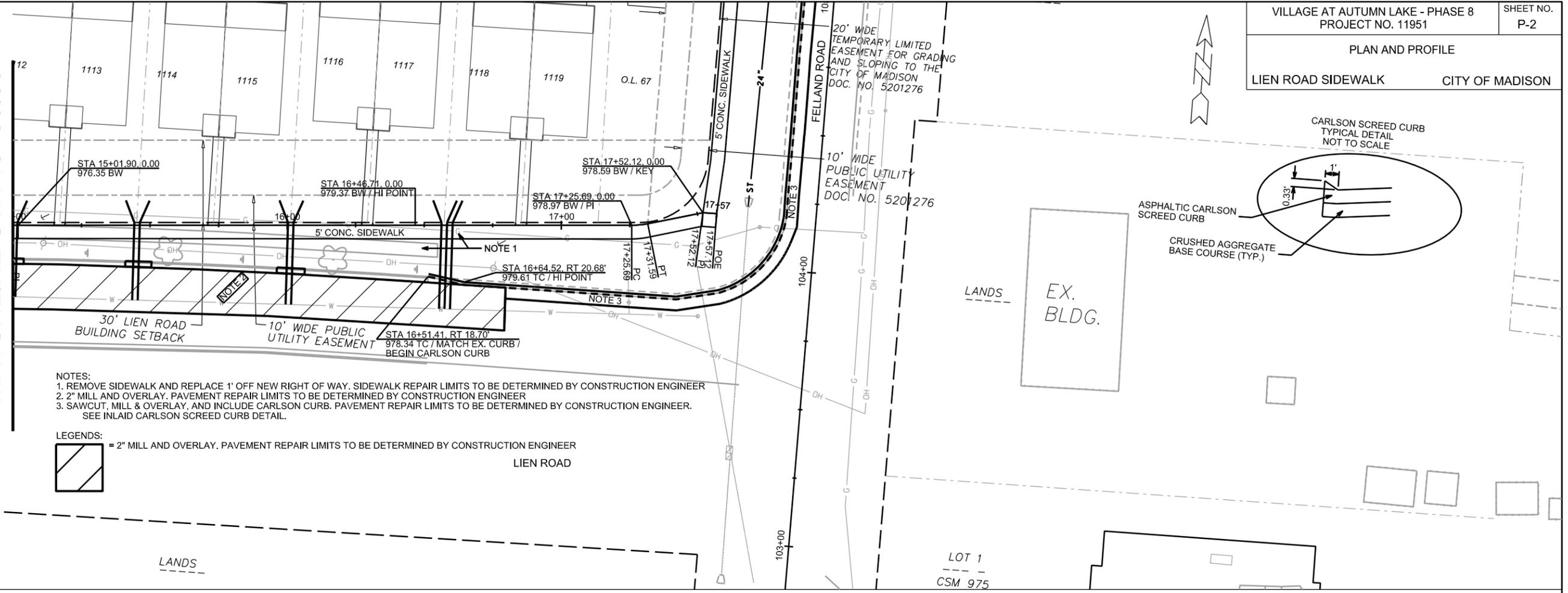
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

MATCHLINE STA 15+00.00

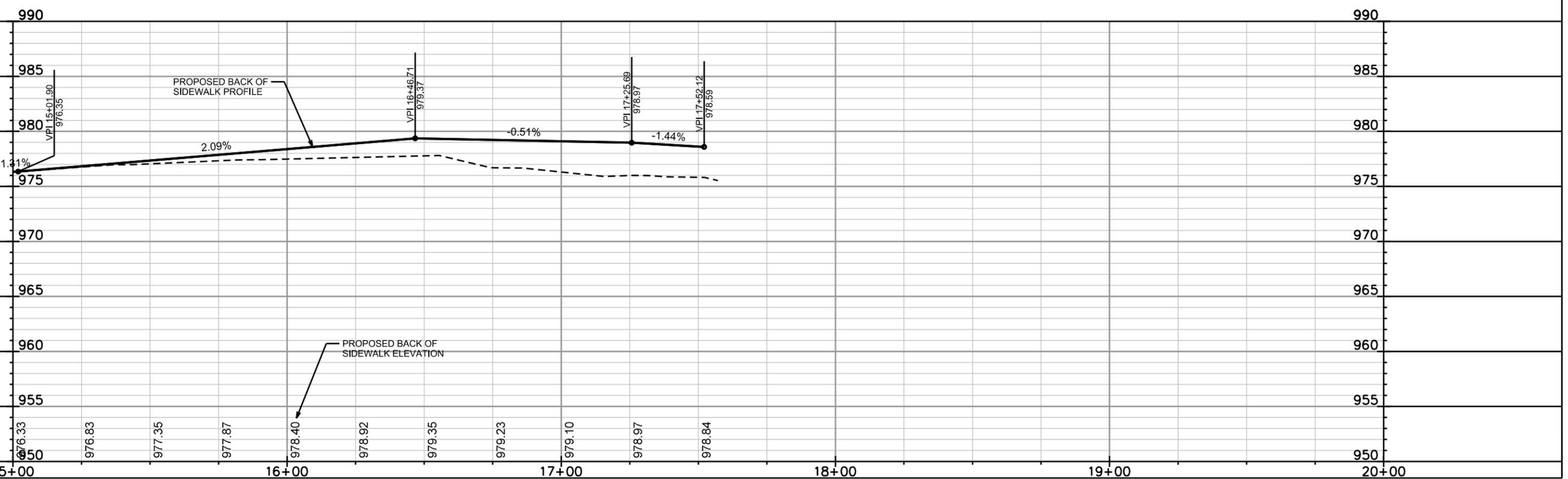
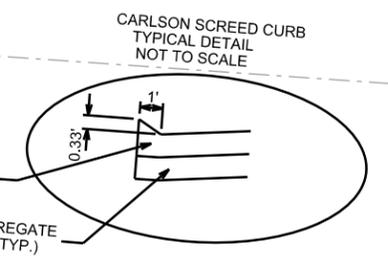


- NOTES:
1. REMOVE SIDEWALK AND REPLACE 1' OFF NEW RIGHT OF WAY. SIDEWALK REPAIR LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER
 2. 2" MILL AND OVERLAY. PAVEMENT REPAIR LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER
 3. SAWCUT, MILL & OVERLAY, AND INCLUDE CARLSON CURB. PAVEMENT REPAIR LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER. SEE INLAID CARLSON SCREED CURB DETAIL.

LEGENDS:

- [Hatched Box] = 2" MILL AND OVERLAY. PAVEMENT REPAIR LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER

LIEN ROAD



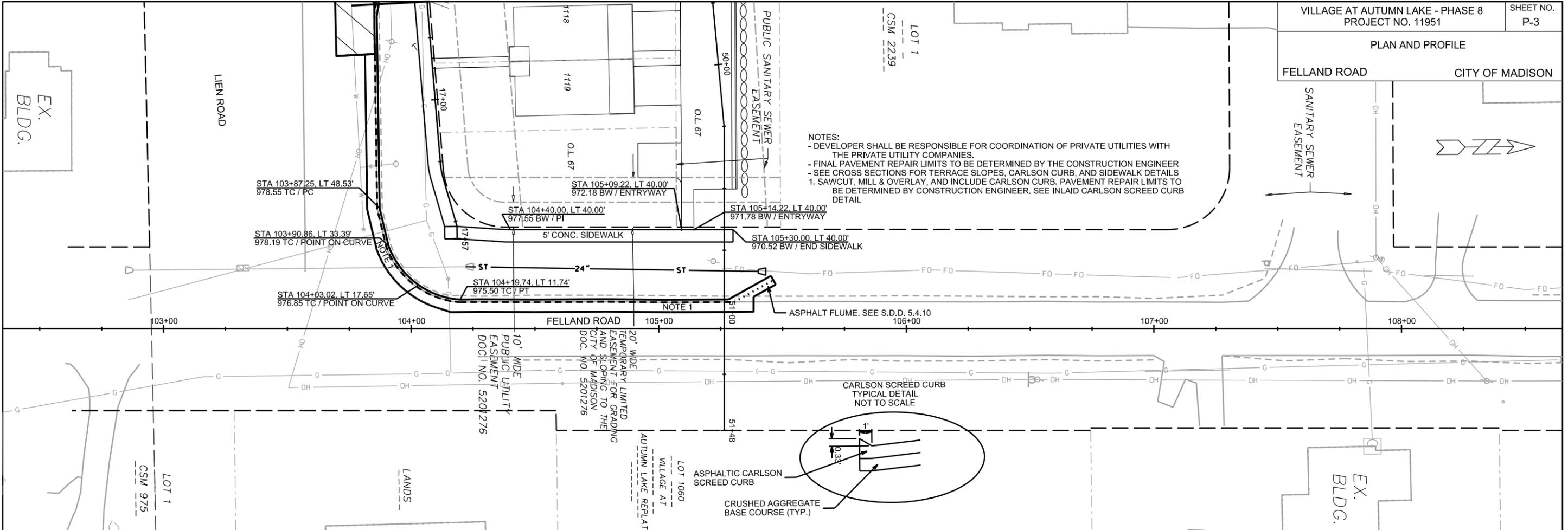
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PLOT NAME: _____

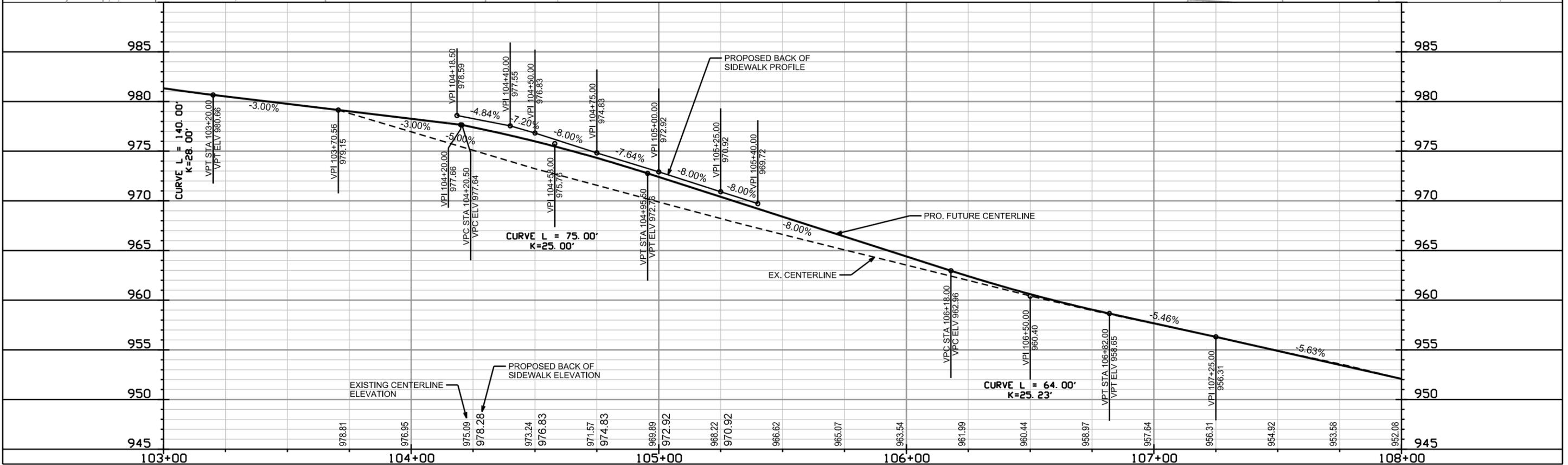
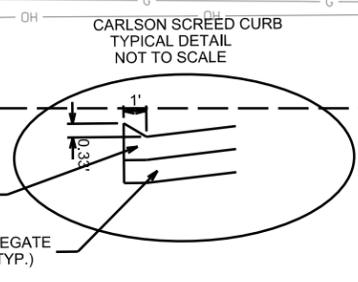
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
FELLAND ROAD CITY OF MADISON



- NOTES:
 - DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATION OF PRIVATE UTILITIES WITH THE PRIVATE UTILITY COMPANIES.
 - FINAL PAVEMENT REPAIR LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER
 - SEE CROSS SECTIONS FOR TERRACE SLOPES, CARLSON CURB, AND SIDEWALK DETAILS
 1. SAWCUT, MILL & OVERLAY, AND INCLUDE CARLSON CURB. PAVEMENT REPAIR LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER. SEE INLAID CARLSON SCREED CURB DETAIL

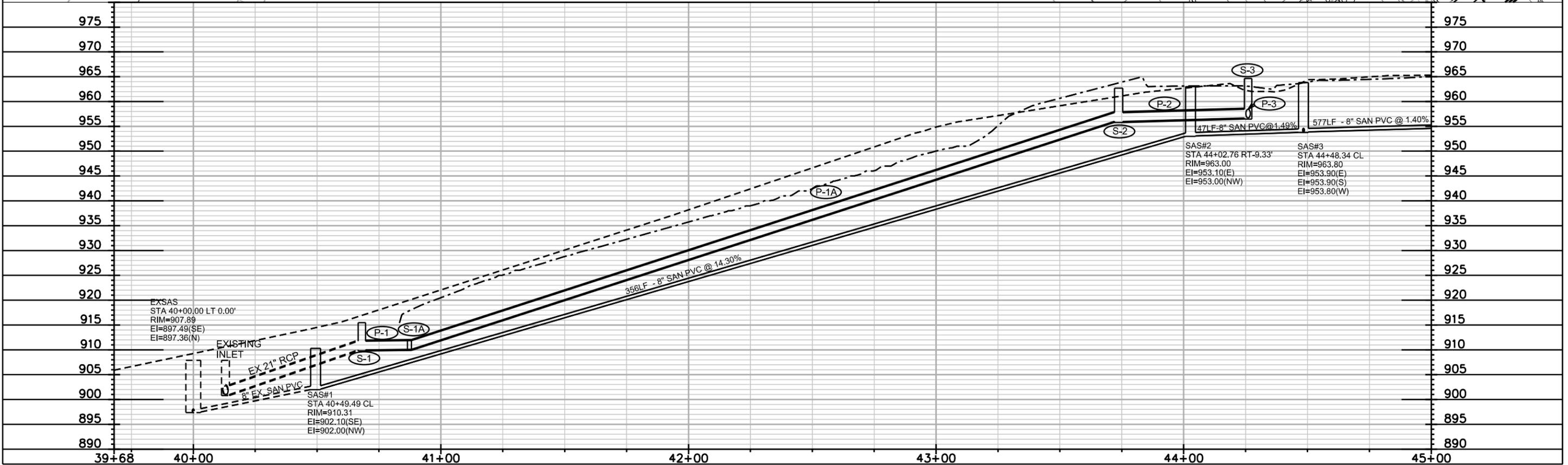
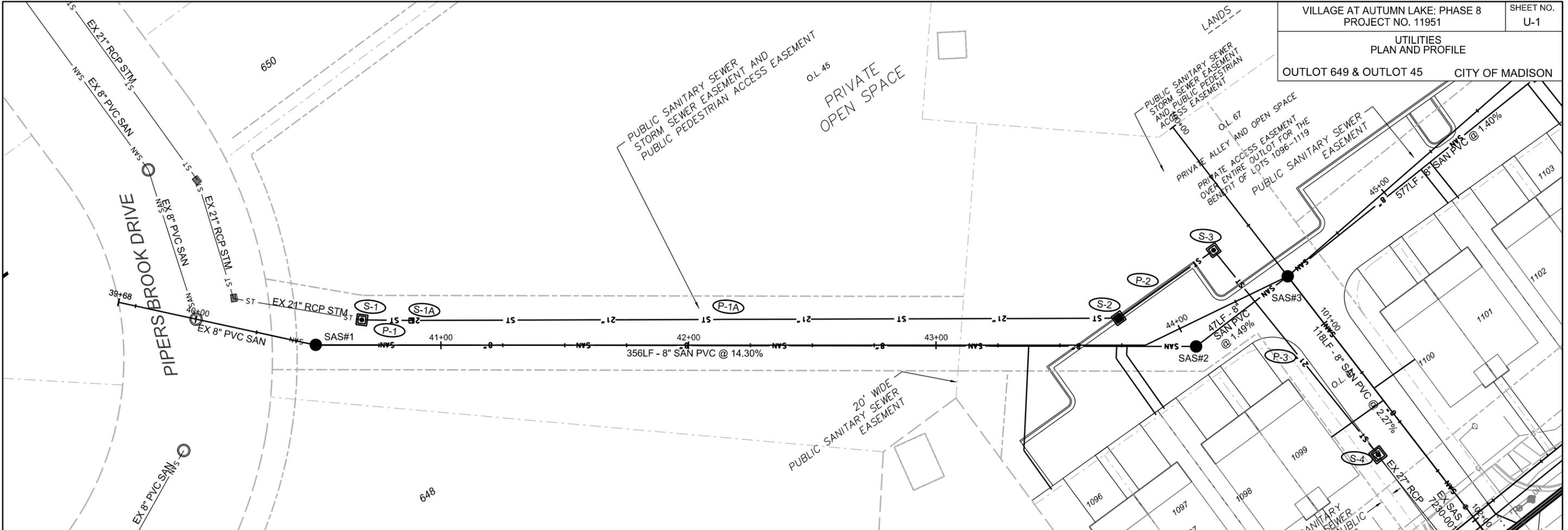


PLOT SCALE:

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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



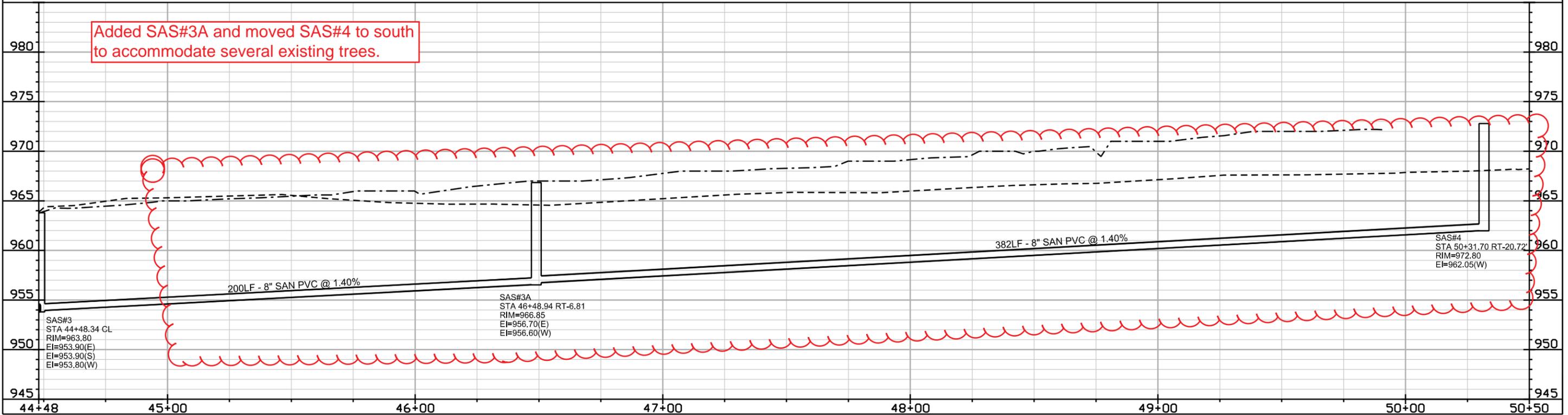
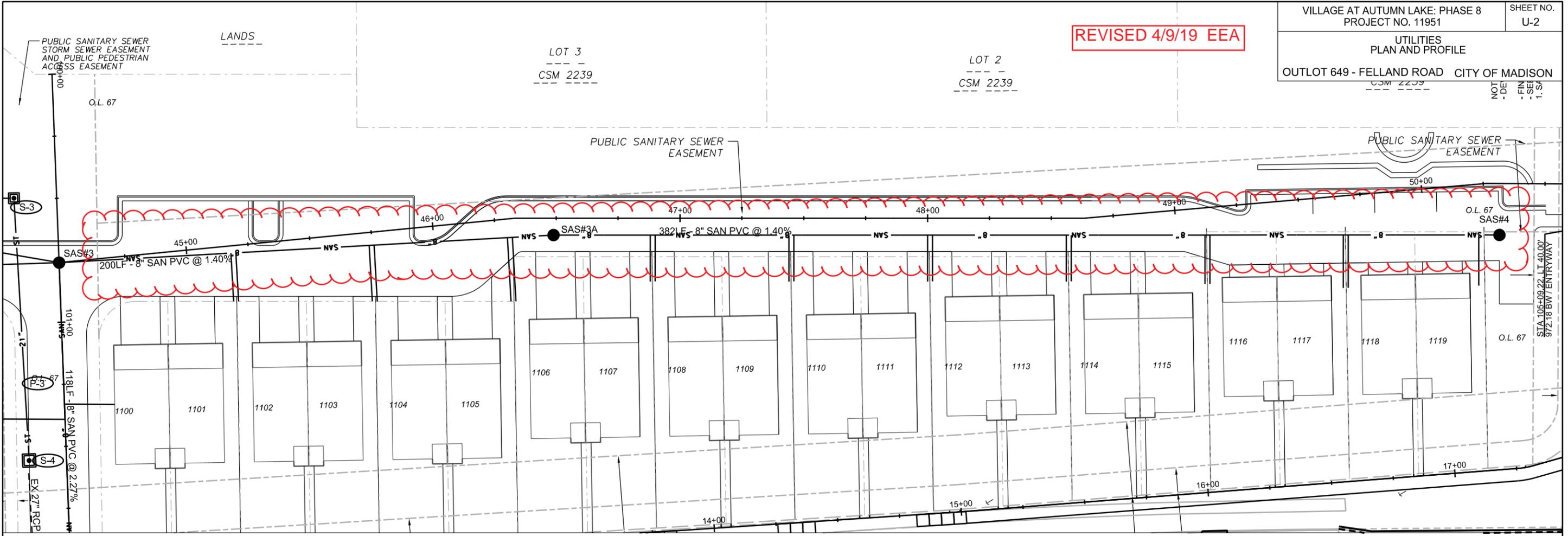
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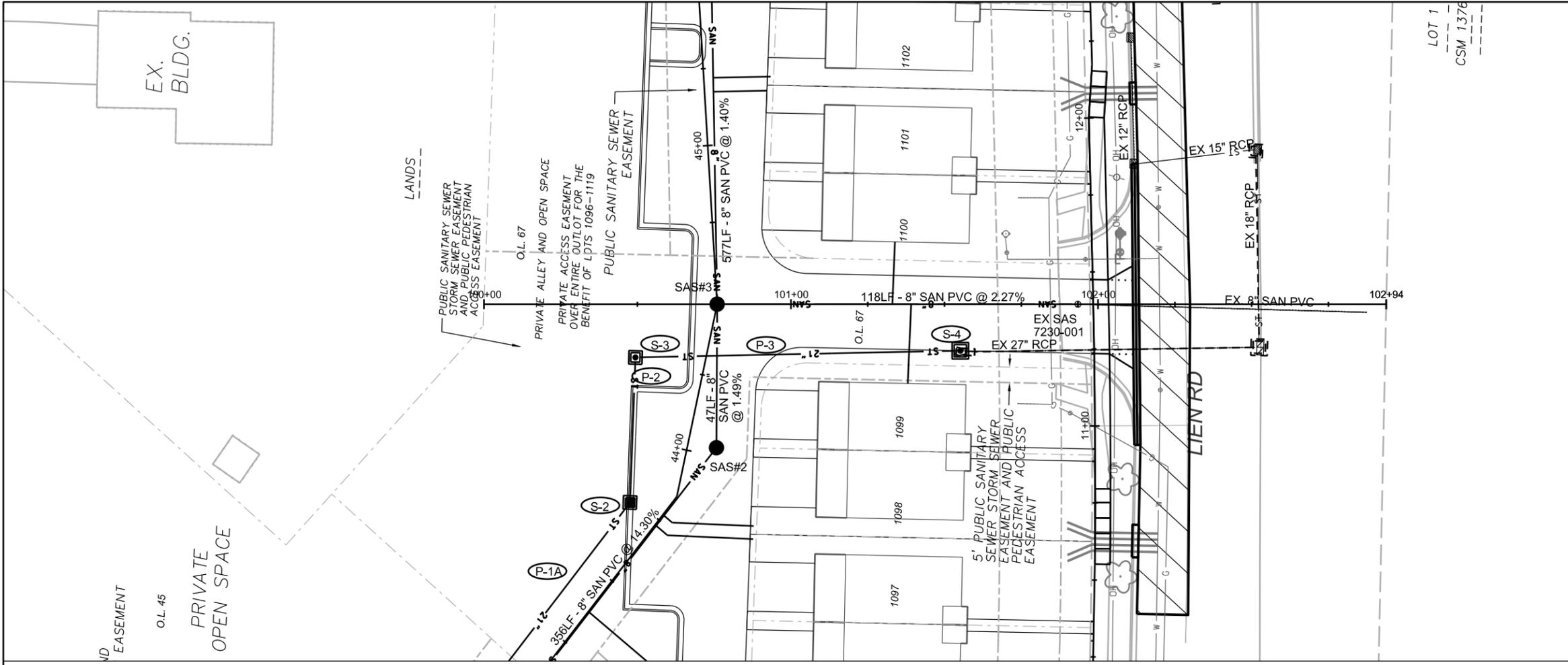
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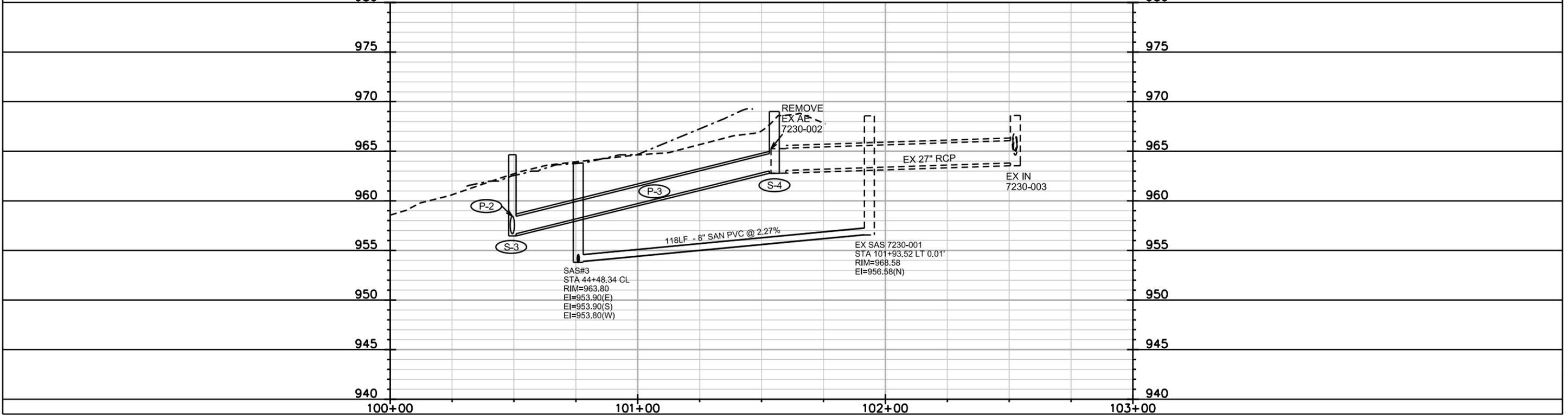
REVISED 4/9/19 EEA



PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SanEsmt_OL45&Lot649_Lien



PLOT SCALE: _____

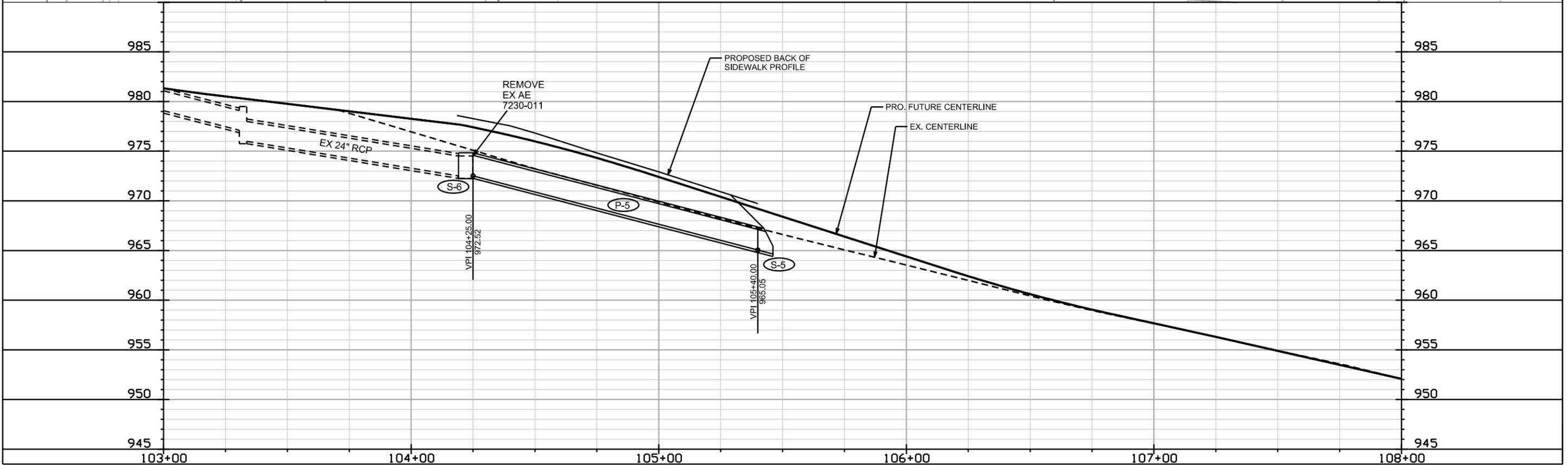
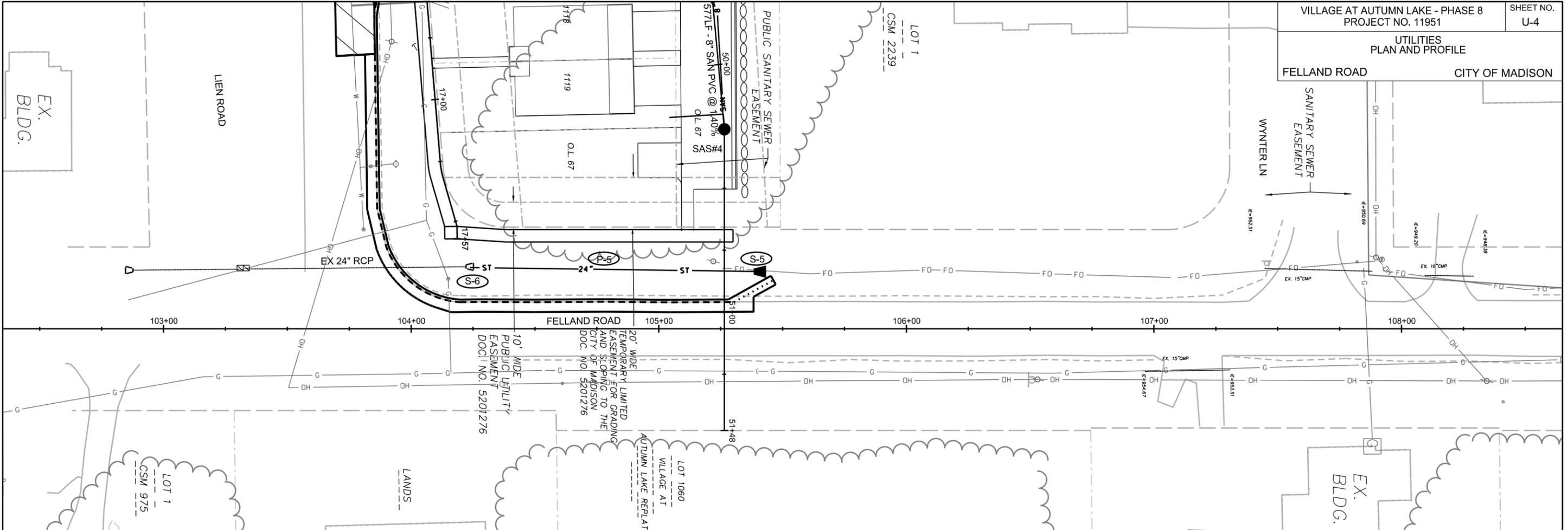
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES
PLAN AND PROFILE

FELLAND ROAD CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

* REVISED 4/9/19 EEA

VILLAGE AT AUTUMN LAKE-PHASE 8	SHEET NO.
PROJECT NO. 11951	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SANITARY EASEMENT						
SAS#1	40+49.49	CL	910.31	902.00	8.31	-
SAS#2	44+02.76	RT-9.33	963.00	953.00	10.00	-
SAS#3	44+48.34	CL	963.80	953.80	10.00	-
* SAS#3A	46+48.94	RT-6.81	966.85	956.60	10.25	-
* SAS#4	50+31.70	RT-20.72	972.80	962.05	10.75	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
SANITARY EASEMENT								
SAS#1	SAS#2	902.10	953.00	356	14.30%	8"	SDR-35	-
SAS#2	SAS#3	953.10	953.80	47	1.49%	8"	SDR-35	-
* SAS#3	SAS#3A	953.90	956.60	200	1.40%	8"	SDR-35	-
* SAS#3A	SAS#4	956.70	962.05	382	1.40%	8"	SDR-35	-
SAS#3	EX SAS 7230-001	953.90	956.58	118	2.27%	8"	SDR-35	-

STORM SEWER SCHEDULE

VILLAGE AT AUTUMN LAKE: PHASE 8
PROJECT NO. 11951

SHEET NO.
U-STM

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
EASEMENT																		
S-1	40+68.00	LT-10.25	3X3 SAS	915.46	910.00	5.46	W/ R-1550-0054	P-1	S-1	S-1A	910.00	910.10	20	20	0.50%	21"	TYPE II	-
S-1A	40+88.00	LT-10.25	FIELD BEND	-	910.10	-	FIELD BEND / CONCRETE COLLAR	P-1A	S-1A	S-2	910.10	956.00	286	286	16.05%	21"	TYPE II	-
S-2	43+73.72	LT-10.91	H INLET	962.70	956.00	6.70	W/ R-3067-7004-V	P-2	S-2	S-3	956.00	956.69	47	44	1.57%	21"	TYPE II	-
S-3	44+26.00	LT-22.50	3X3 SAS	964.65	956.69	7.96	W/ R-1550-0054	P-3	S-3	S-4	956.69	963.01	106	104	6.08%	21"	TYPE II	-
S-4	44+48.00	RT-81.00	4X4 SAS	969.00	963.01	5.99	REMOVE EX AE 7230-002											
FELLAND RD																		
S-5	105+40.00	LT-23.15	24" RCP APRON END	-	965.05	-	W/ GATE	P-5	S-5	S-6	965.05	972.52	120	120	6.23%	24"	TYPE I	-
S-6	104+25.00	LT-24.79	CONCRETE COLLAR	-	972.52	-	REMOVE EX AE 7230-011											

SPECIFIC NOTES

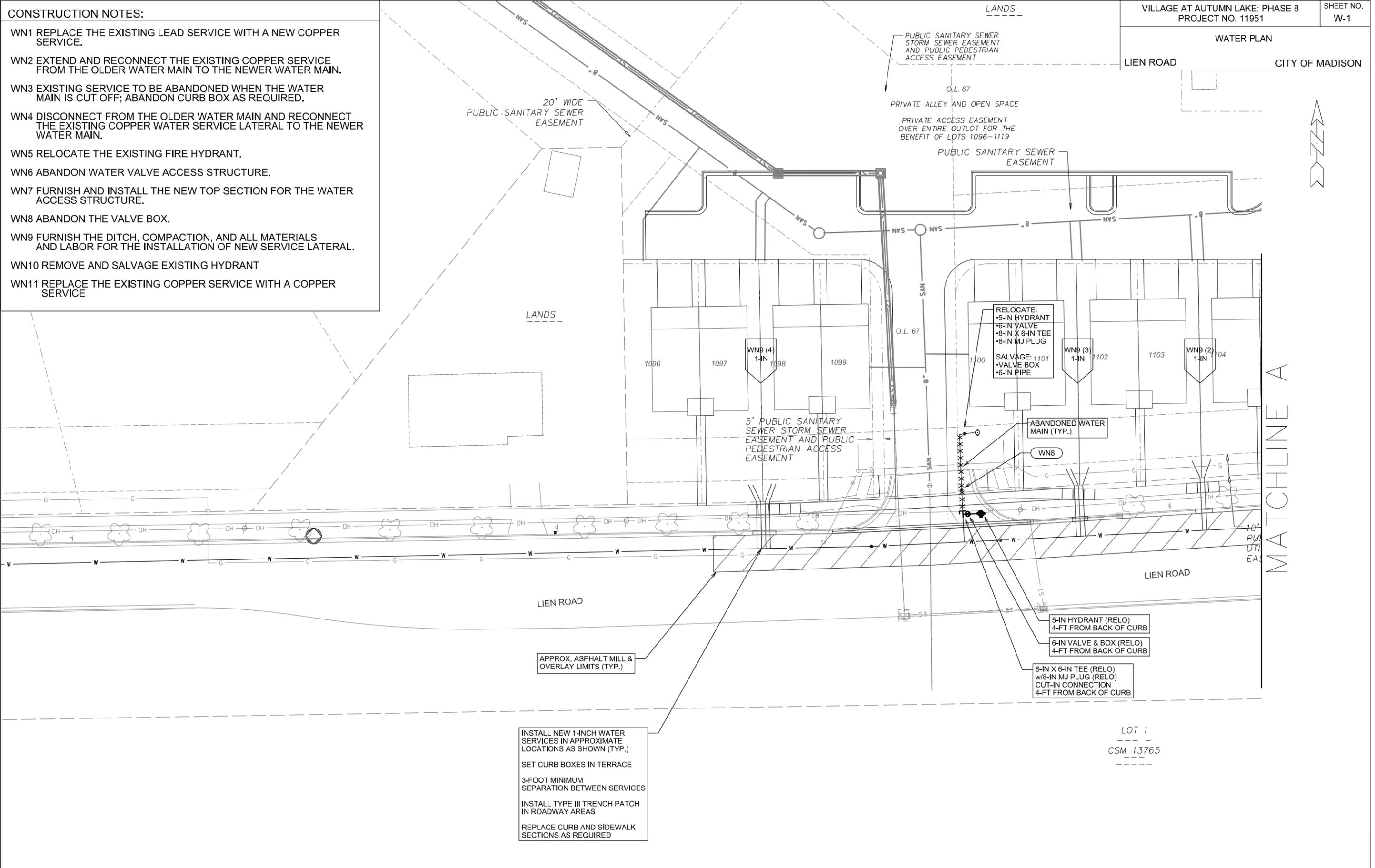
(1) RECONNECT EX 12" PIPE TO EAST & WEST

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 ELIA E. ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

CONSTRUCTION NOTES:

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE FROM THE OLDER WATER MAIN TO THE NEWER WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF; ABANDON CURB BOX AS REQUIRED.
- WN4 DISCONNECT FROM THE OLDER WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEWER 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



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

LOT 1
CSM 13765

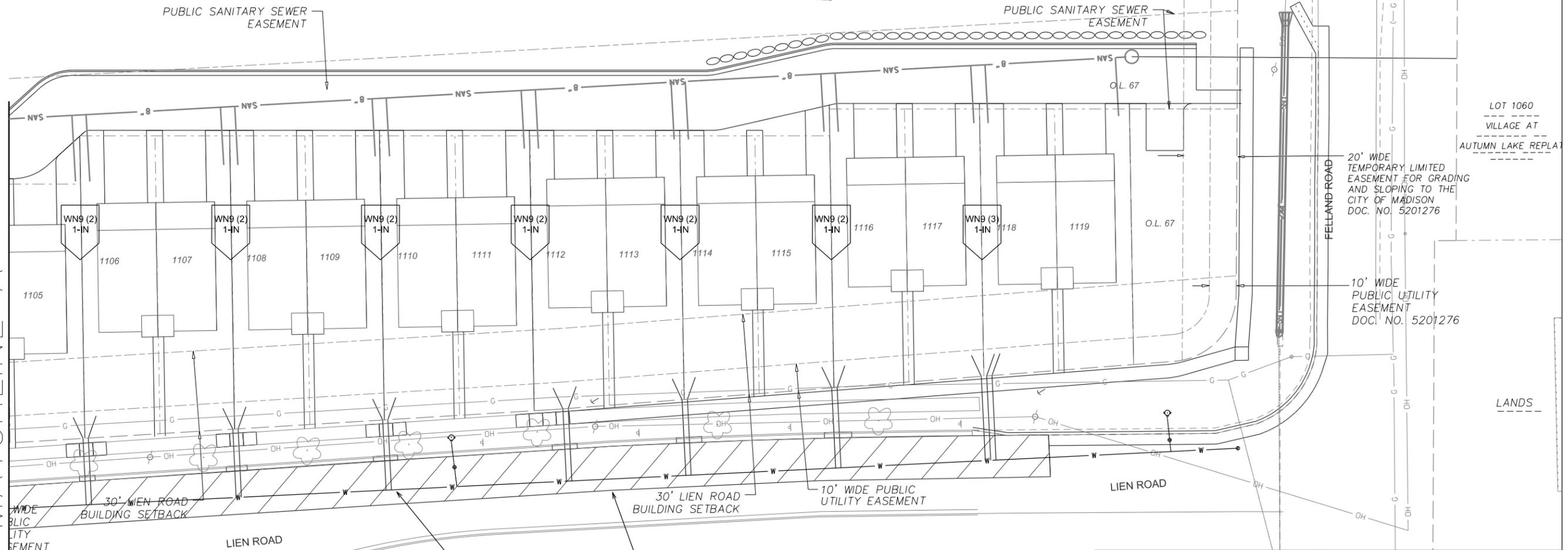
WATER PLAN

LIEN ROAD

CITY OF MADISON



MATCHLINE A



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

30' LIEN ROAD BUILDING SETBACK

30' LIEN ROAD BUILDING SETBACK

10' WIDE PUBLIC UTILITY EASEMENT

LIEN ROAD

APPROX. ASPHALT MILL & OVERLAY LIMITS (TYP.)

INSTALL NEW 1-INCH WATER SERVICES IN APPROXIMATE LOCATIONS AS SHOWN (TYP.)
SET CURB BOXES IN TERRACE
3-FOOT MINIMUM SEPARATION BETWEEN SERVICES
INSTALL TYPE III TRENCH PATCH IN ROADWAY AREAS
REPLACE CURB AND SIDEWALK SECTIONS AS REQUIRED

- CONSTRUCTION NOTES:**
- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
 - WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE FROM THE OLDER WATER MAIN TO THE NEWER WATER MAIN.
 - WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF; ABANDON CURB BOX AS REQUIRED.
 - WN4 DISCONNECT FROM THE OLDER WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEWER 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

CROSS SECTIONS

FELLAND ROAD

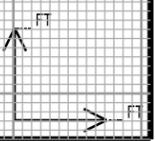
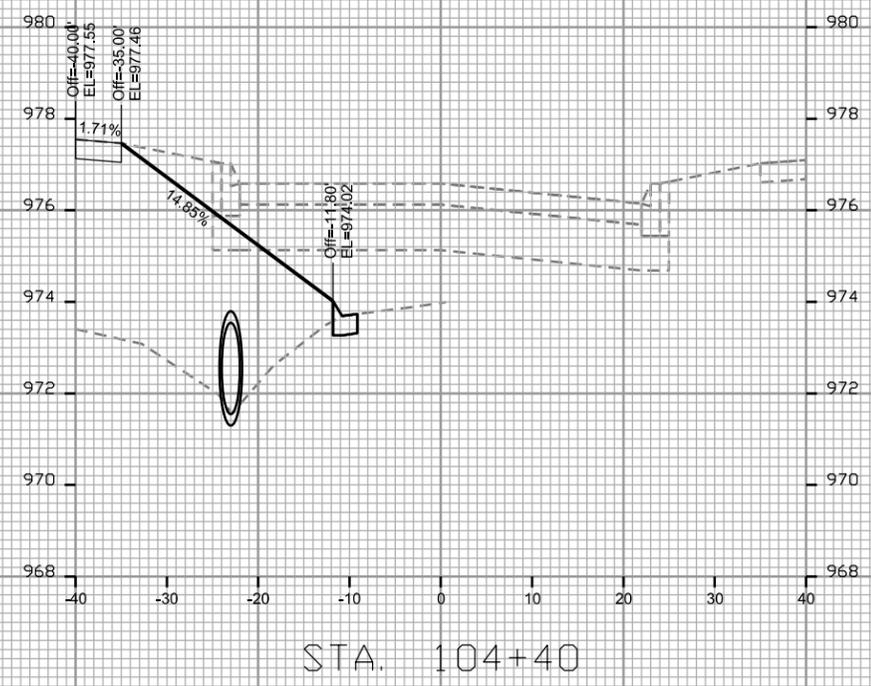
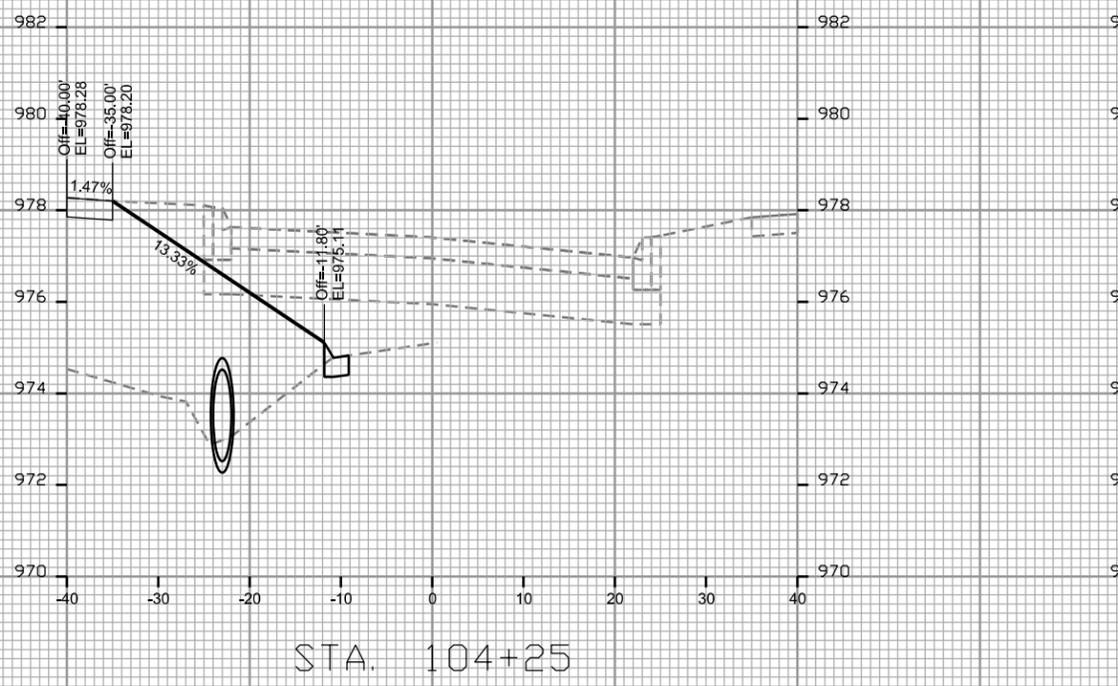
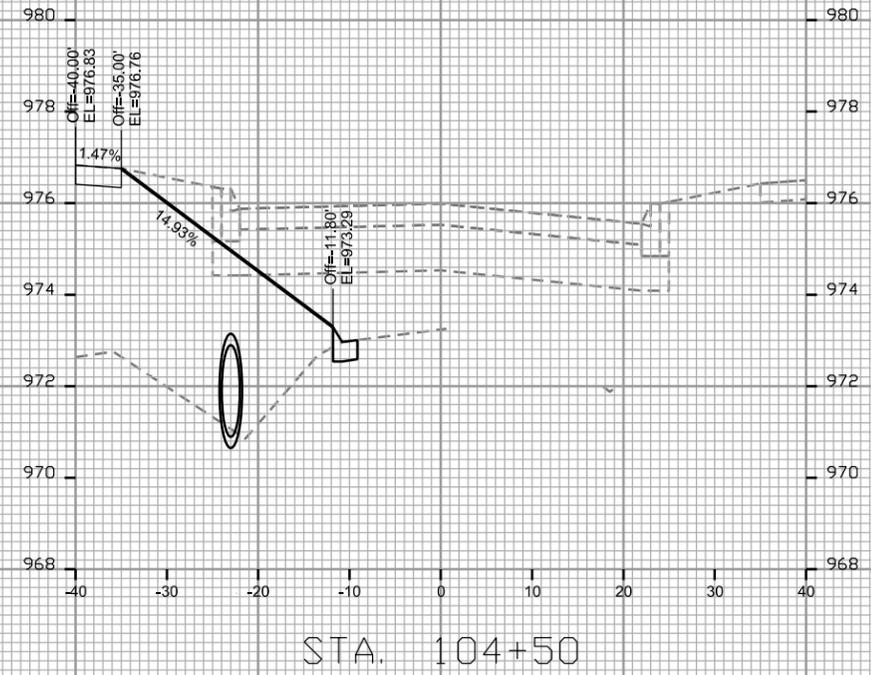
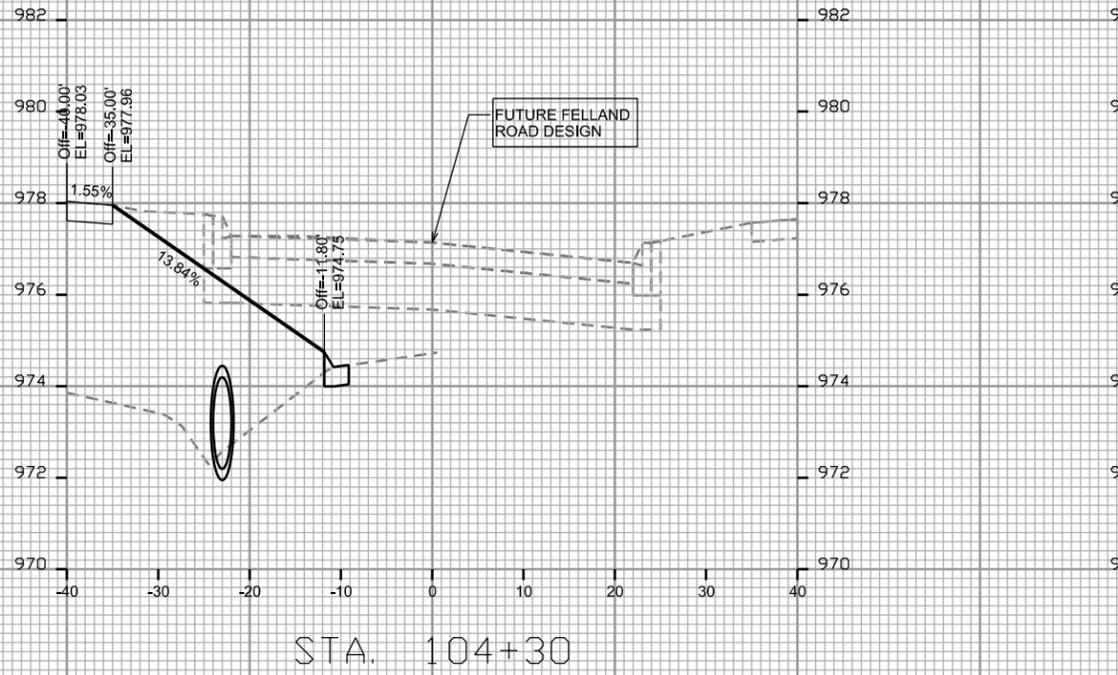
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

FELLAND ROAD

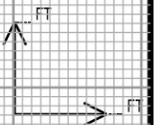
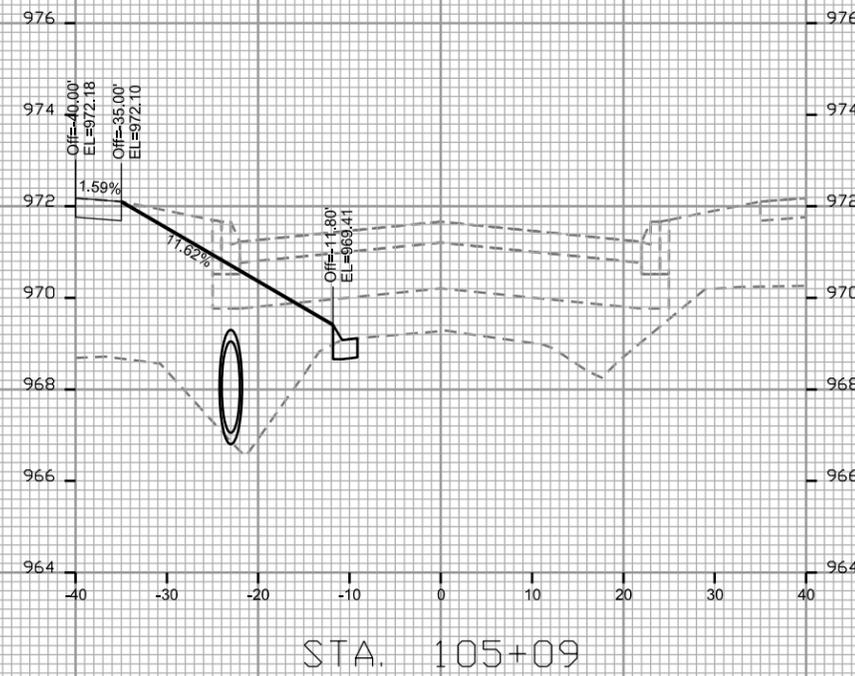
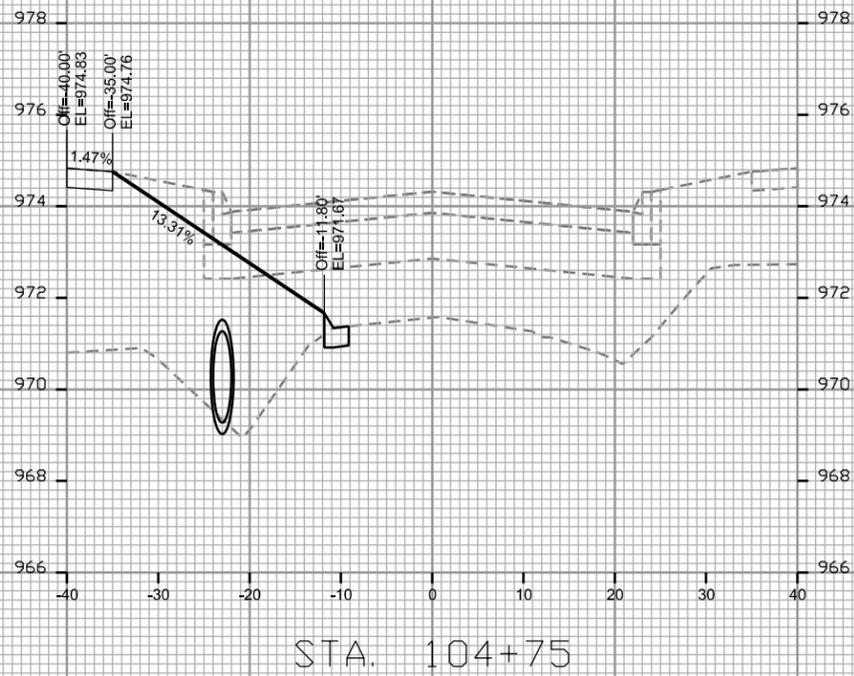
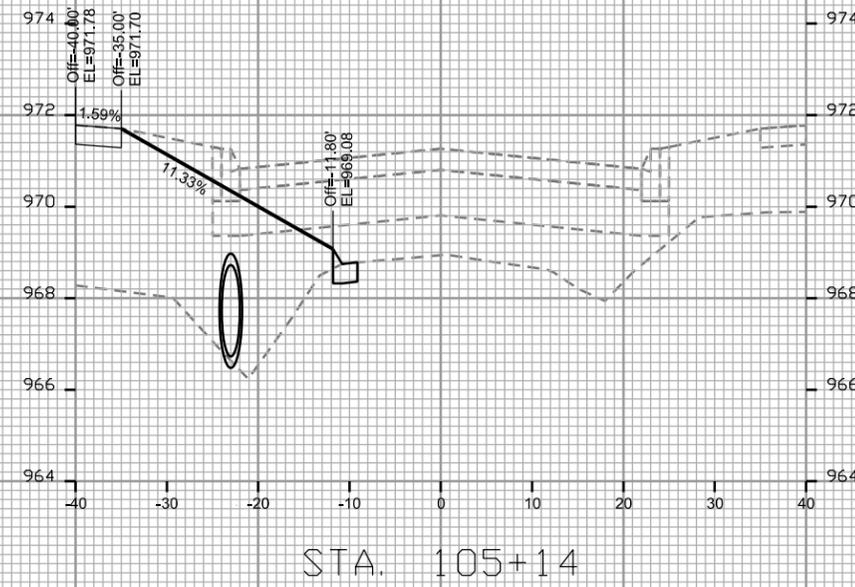
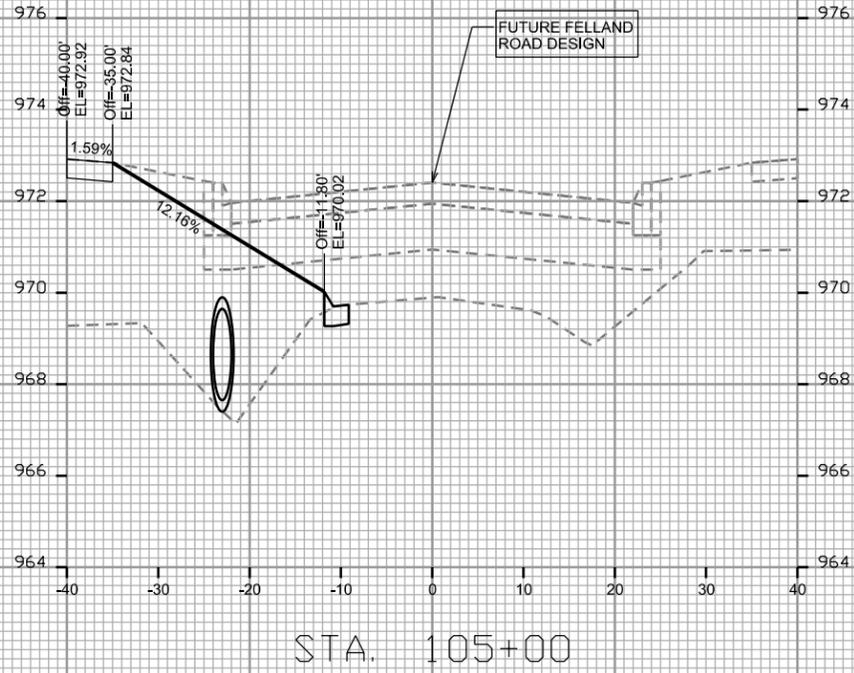
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

FELLAND ROAD

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

