



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 6, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 5/4/18
City Engineer Date

SANITARY SEWER DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
MARK D. MOHR
E-33979
MADISON WI

LATERALS ONLY 5/4/18

STORM SEWER DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
GREGORY S. SRIES
E-30656
MADISON WI

WATER DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
KELLY B. MIESS
E-41821
MADISON WI

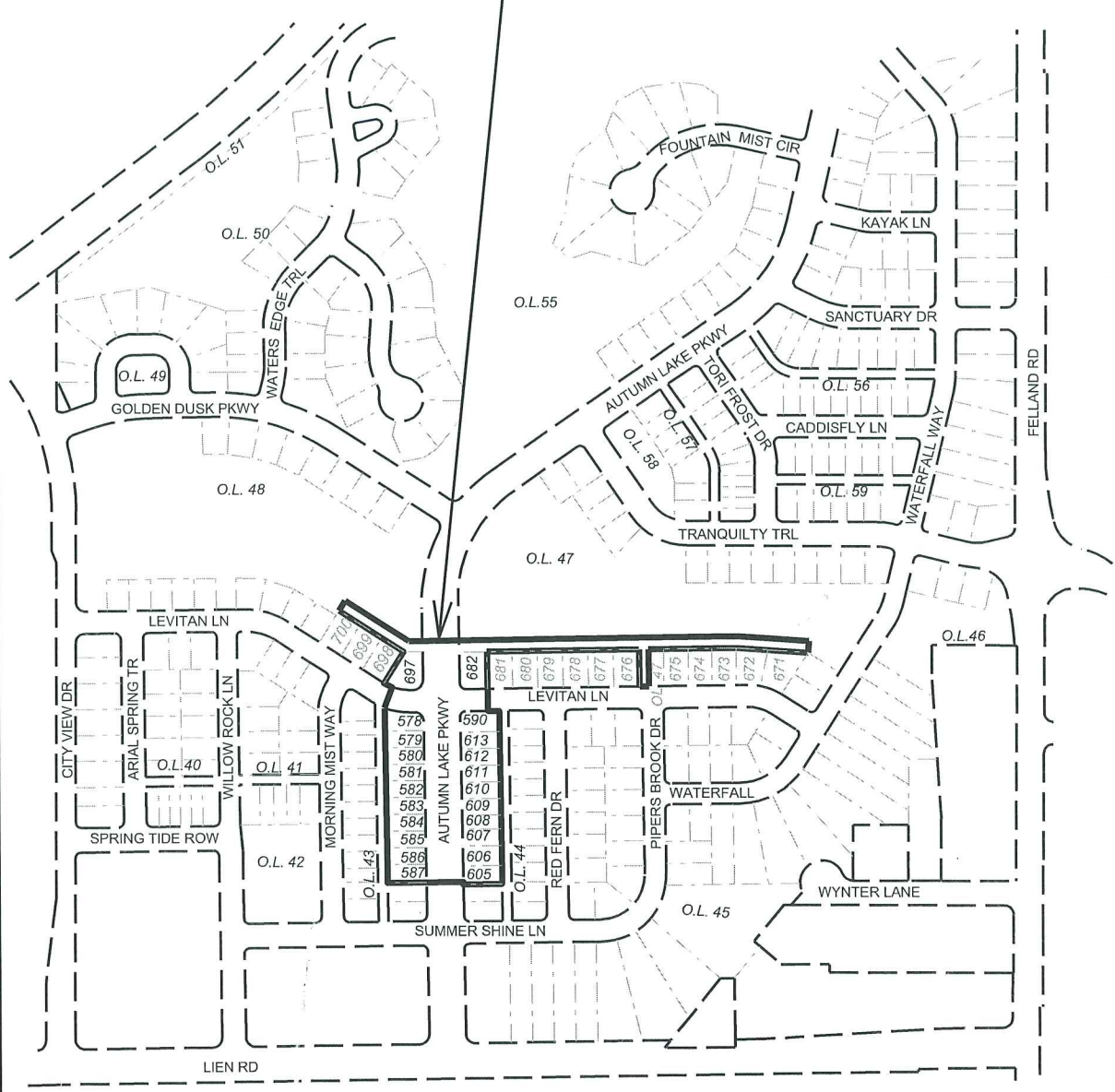
INDEX OF SHEETS - STREETS

SHEET NO.	TITLE
1	NOTES AND DETAILS
DI-D3	STREET PLAN & PROFILE
P1-P3	PATH PLAN & PROFILE
P4-P7	UTILITY PLAN & PROFILE
U1-U3	STORM SEWER SCHEDULE
W1-W3	WATER PLAN & PROFILE
W4	WATER MATERIALS
XI-X6	CROSS SECTIONS

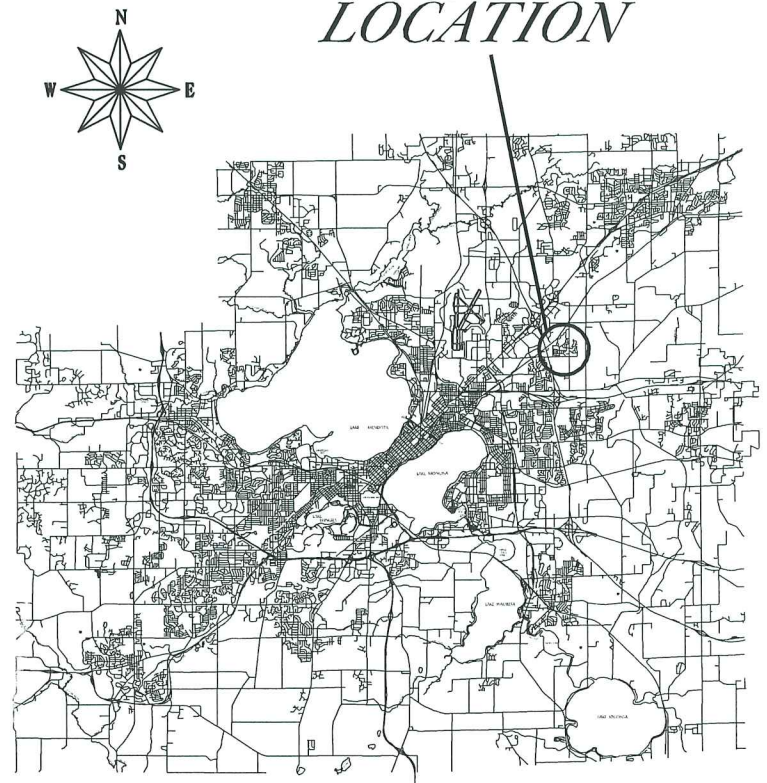
VILLAGE AT AUTUMN LAKE REPLAT, PHASE 5

MUNIS NO. 11907
CITY PROJECT NO. 11907
CITY CONTRACT NO. 8133

PHASE 5



PROJECT LOCATION



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.

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.

ALL PAVEMENT IN THE LEVITAN LANE RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE AUTUMN LAKE PARKWAY 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 TYPICALLY 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.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS


GAS ——— G ———

STORM SEWER ——— ST ———

SANITARY SEWER ——— SAN ———

WATER ——— W ———

OVERHEAD ELECTRIC ——— OH ———

POWER POLE 

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD 

COMBUSTIBLE FLUIDS 

OL 47 SEED MIX FOR DISTURBED AREAS
NORTH OF THE BIKE PATH

<u>SPECIES</u>	<u>PERCENTAGE BY WEIGHT</u>
GLADE MALLOW (NAPEA DIOICA)	1.39%
CUP PLANT (SILPHIUM PERFOLIATUM)	1.25%
EVENING PRIMROSE (OENOTHERA BIENNIS)	19.82%
BERGAMOT (MONARDA FISTULOSA)	33.03%
PURPLE CONEFLOWER (ECHINACEA PURPUREA)	14.80%
SNEEZEWEED (HELENIUM AUTUMNALE)	29.72%

FOLLOW ALL RESTORATION SPECIFICATIONS AS DETAILED IN ARTICLE 207 OF THE CITY OF MADISON PUBLIC WORKS STANDARD SPECIFICATIONS. THE OL 47 SEED MIX SHALL BE SEEDED AT THE INFILTRATION BASIN RATE

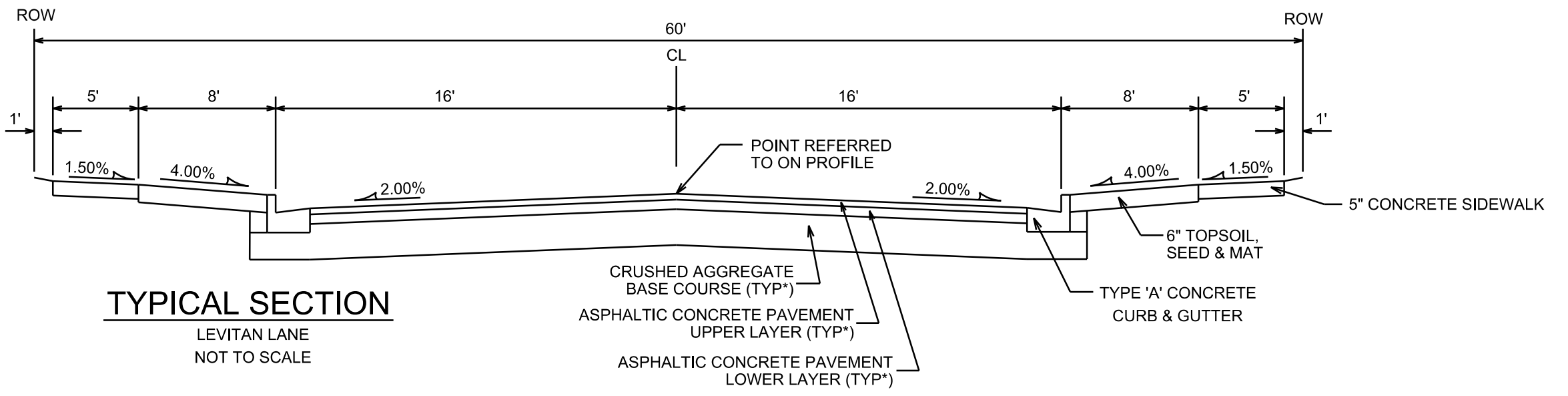
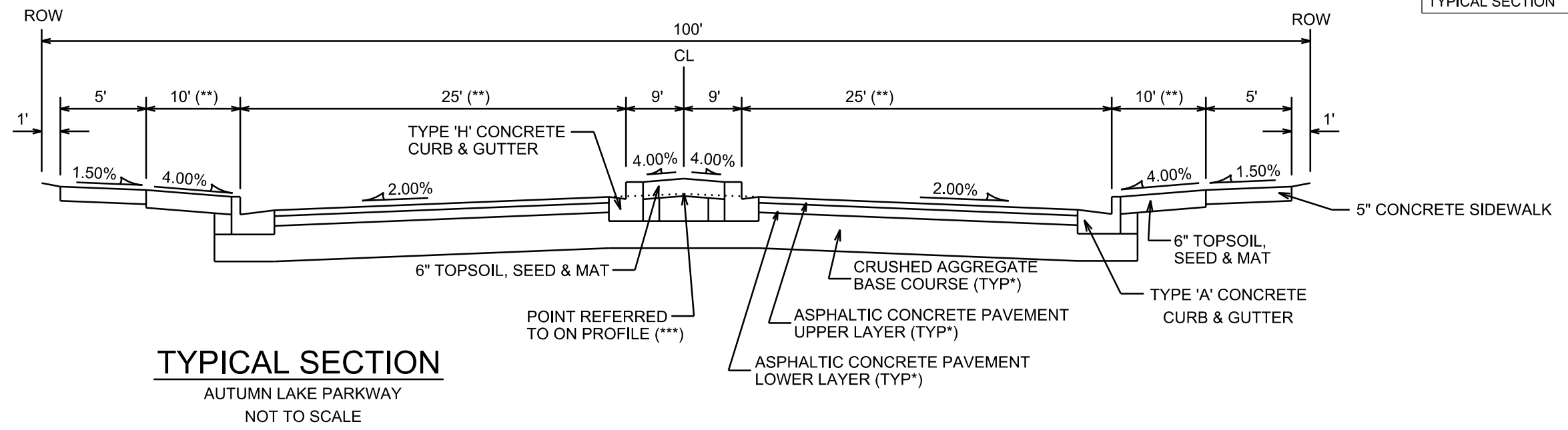
INSTALL COVER CROP PER 207.3(B) AFTER INSTALLATION OF THE OL 47 SEED MIX. SEED OATS COVER CROP AT THE RATE OF 2 LB PER 1000 SF.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

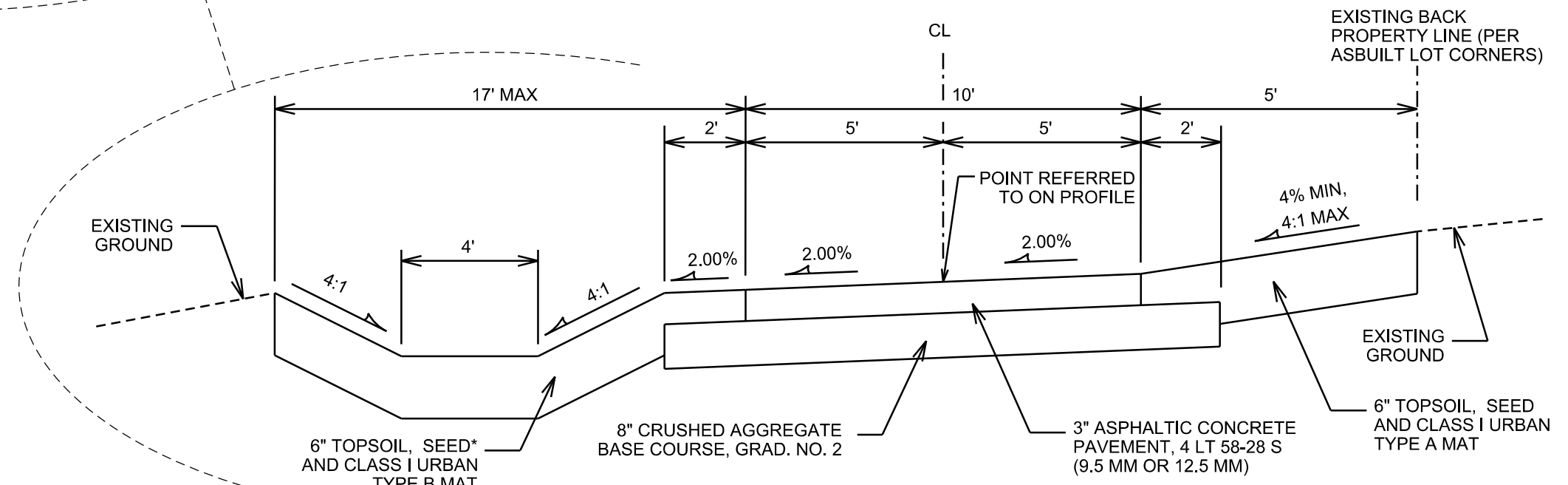
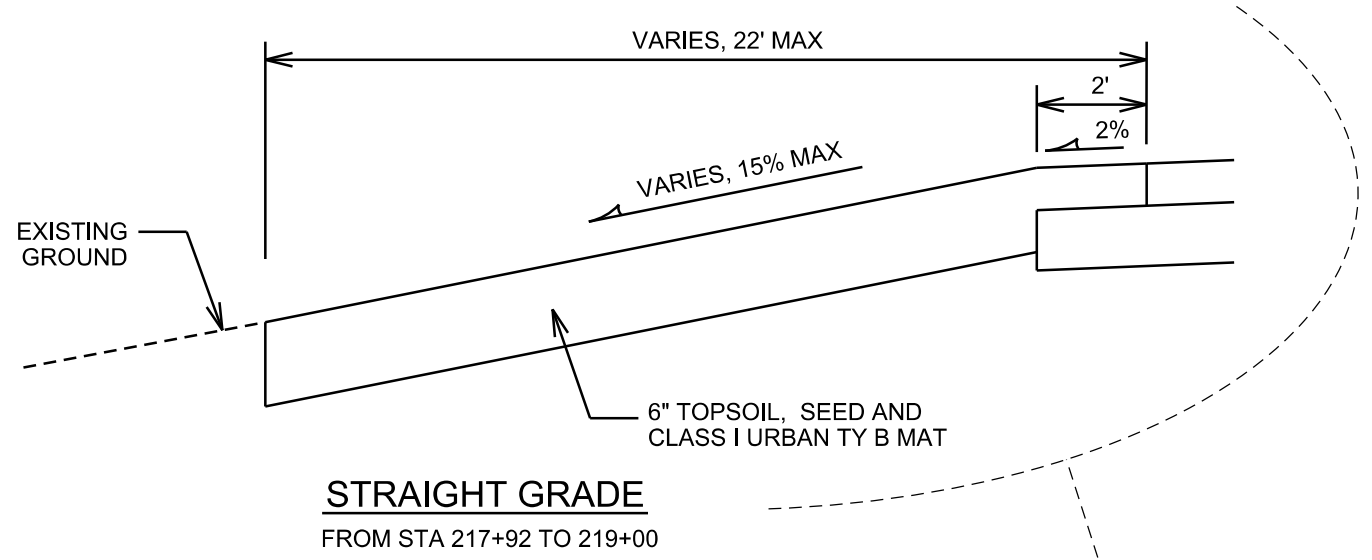


TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H 3 HT 58-28 H	3.50"	4 MT 58-28 S/H 4 HT 58-28 H	2.00"

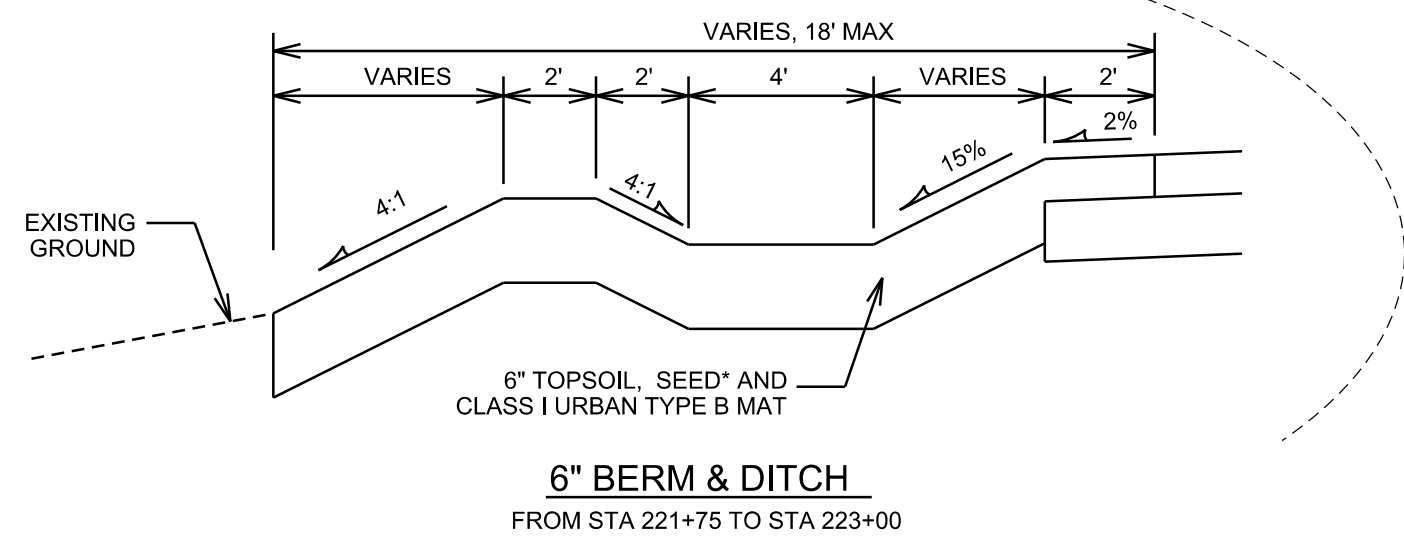
NOTES:

- * AUTUMN LAKE PKWY TO BE CONSTRUCTED AS TYPE 'B' PAVEMENT; LEVITAN LN TO BE TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN (SEE †)
- ** WIDTH VARIES AT INTERSECTION WITH LEVITAN LN. SEE PLANS FOR BUMPOUT AND MEDIAN LAYOUT.
- *** POINT REFERRED TO ON PROFILE IS THE EXTENDED PAVEMENT FOR LOCATIONS WITH ISLANDS AS SHOWN ON PLANS.
- † CITY OF MADISON MINIMUM PAVEMENT DESIGN

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

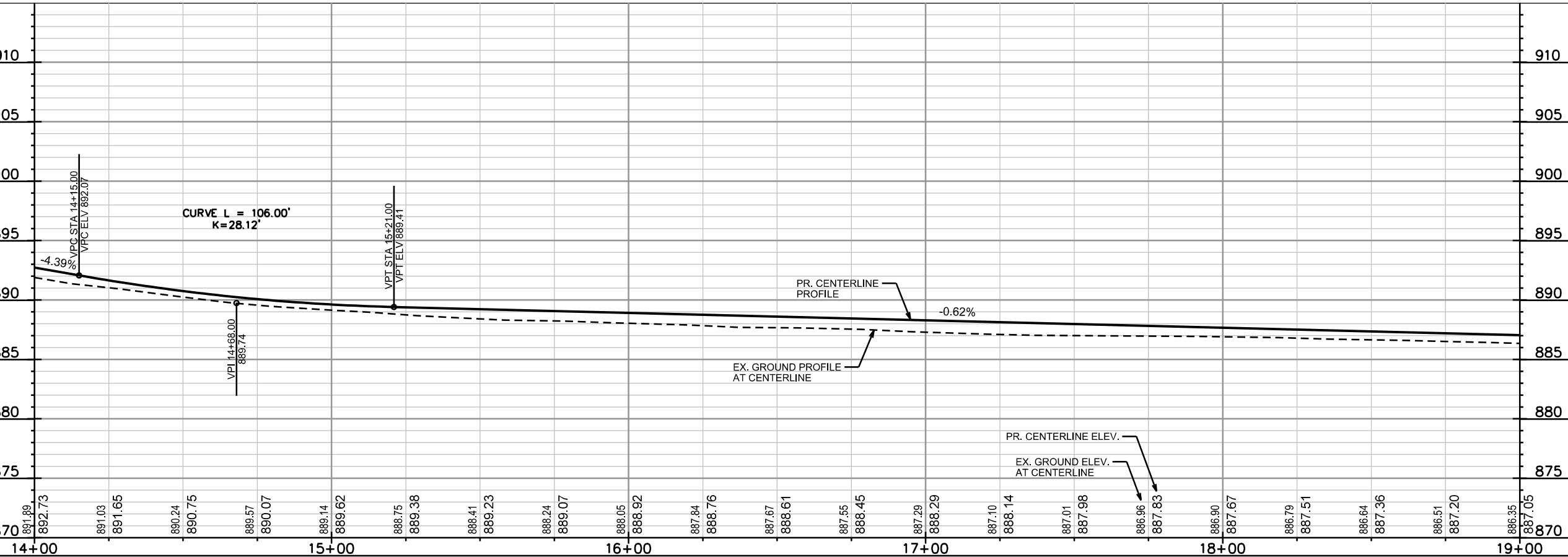
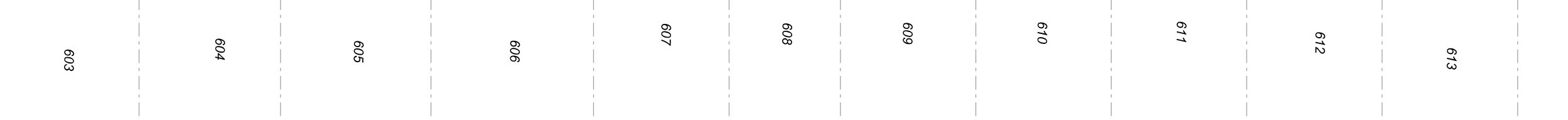
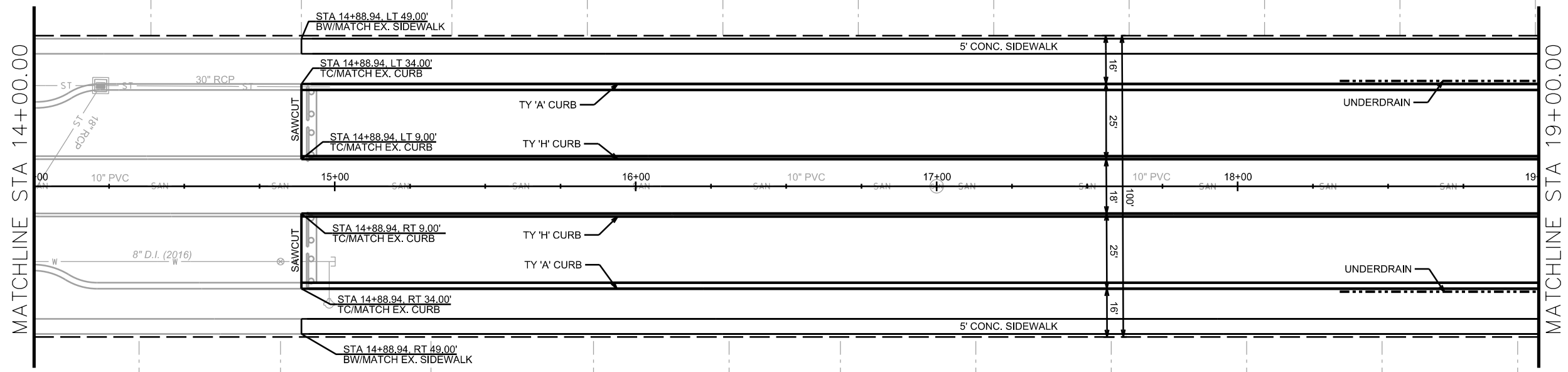
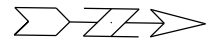


TYPICAL SECTION
OL 46 & 47 PATH
FROM STA 217+92 TO STA 230+92
NOT TO SCALE



NOTES:
* INSTALL OL 47 SEED MIX NORTH OF THE PATH FROM STA 221+43 TO 230+92. SEE SHEET D1 FOR THE SEED MIX SPECIFICATION.

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

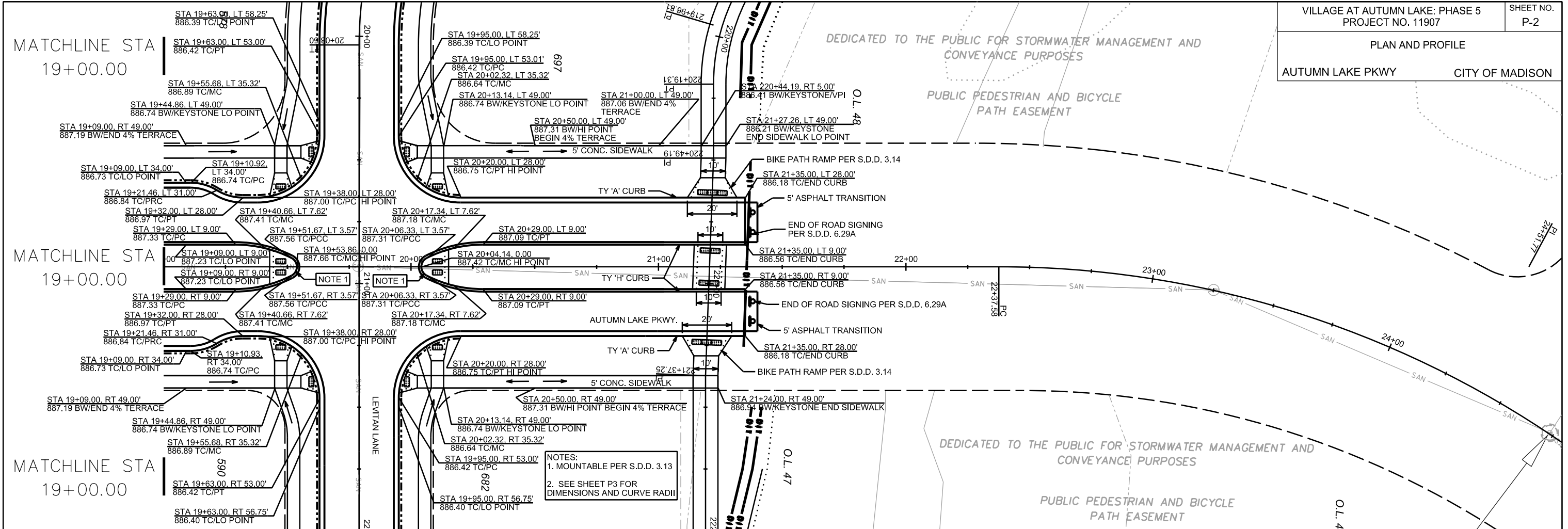


PLOT SCALE: _____

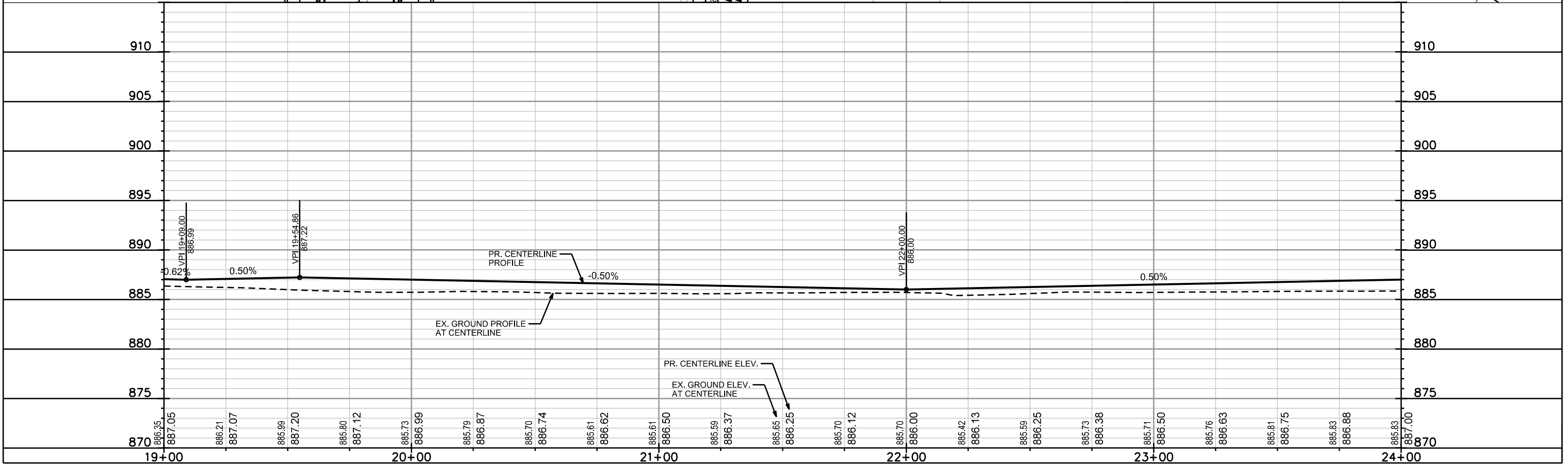
PLOT NAME: _____

REV. DATE: _____

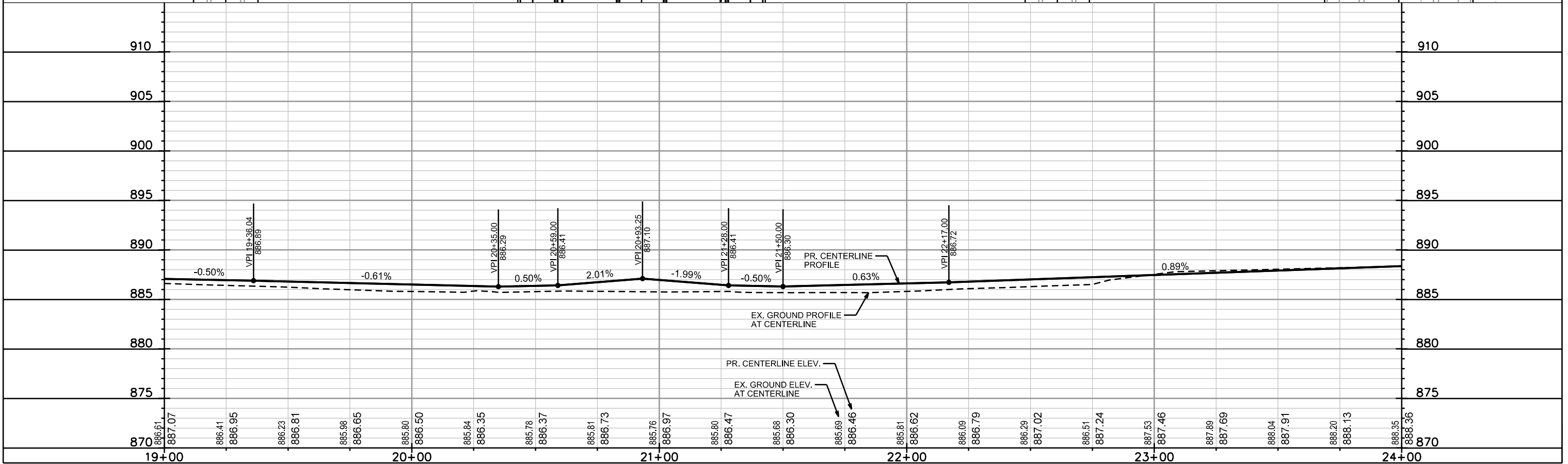
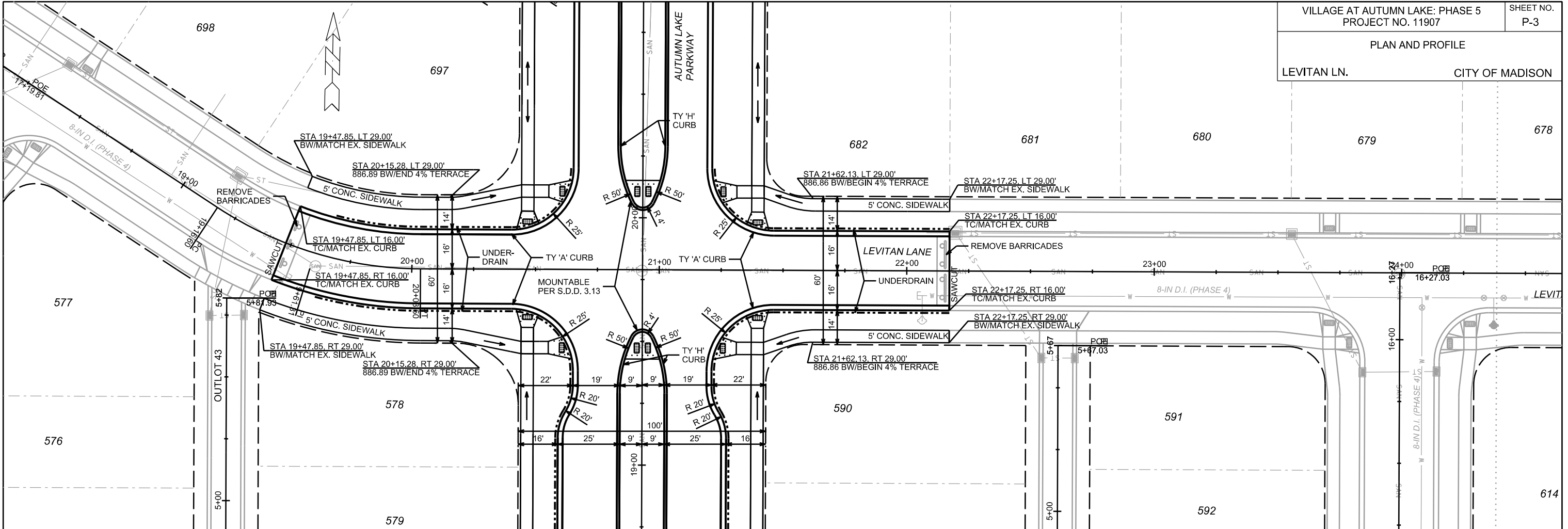
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTES:
1. MOUNTABLE PER S.D.D. 3.13
2. SEE SHEET P3 FOR DIMENSIONS AND CURVE RADII



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



PLOT SCALE: _____

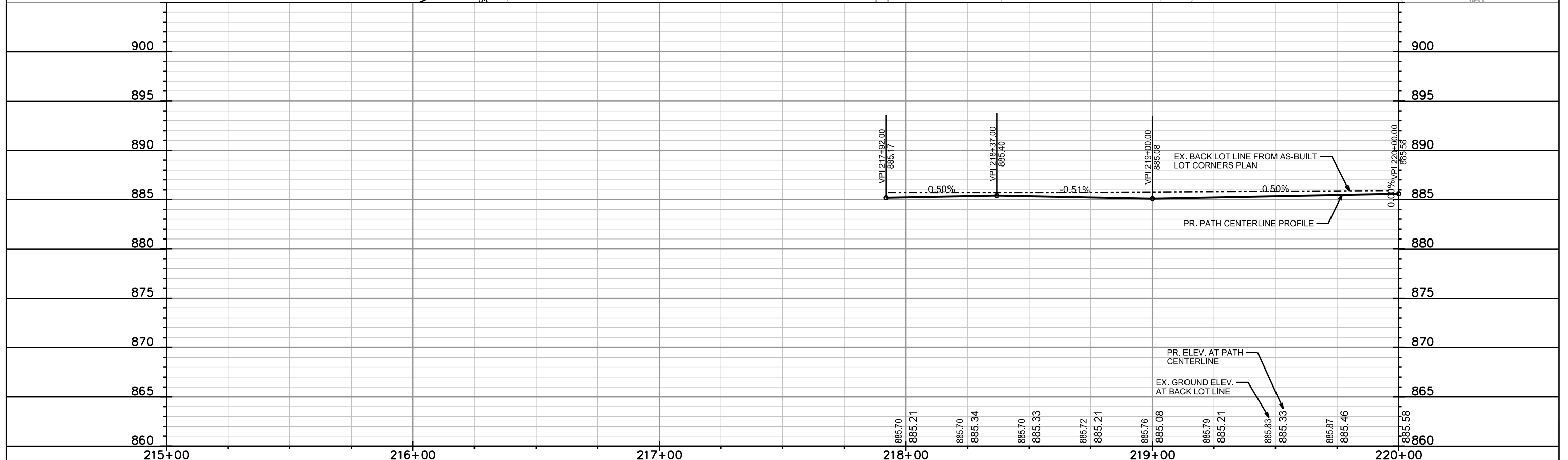
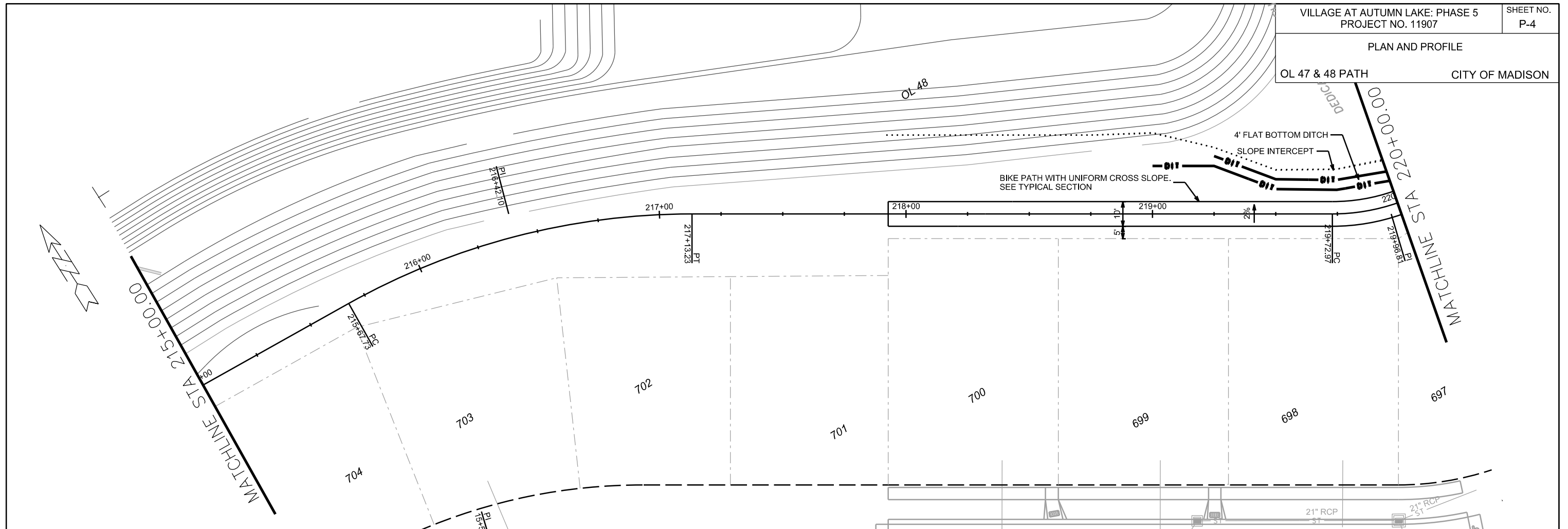
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

OL 47 & 48 PATH CITY OF MADISON



PLOT SCALE: _____

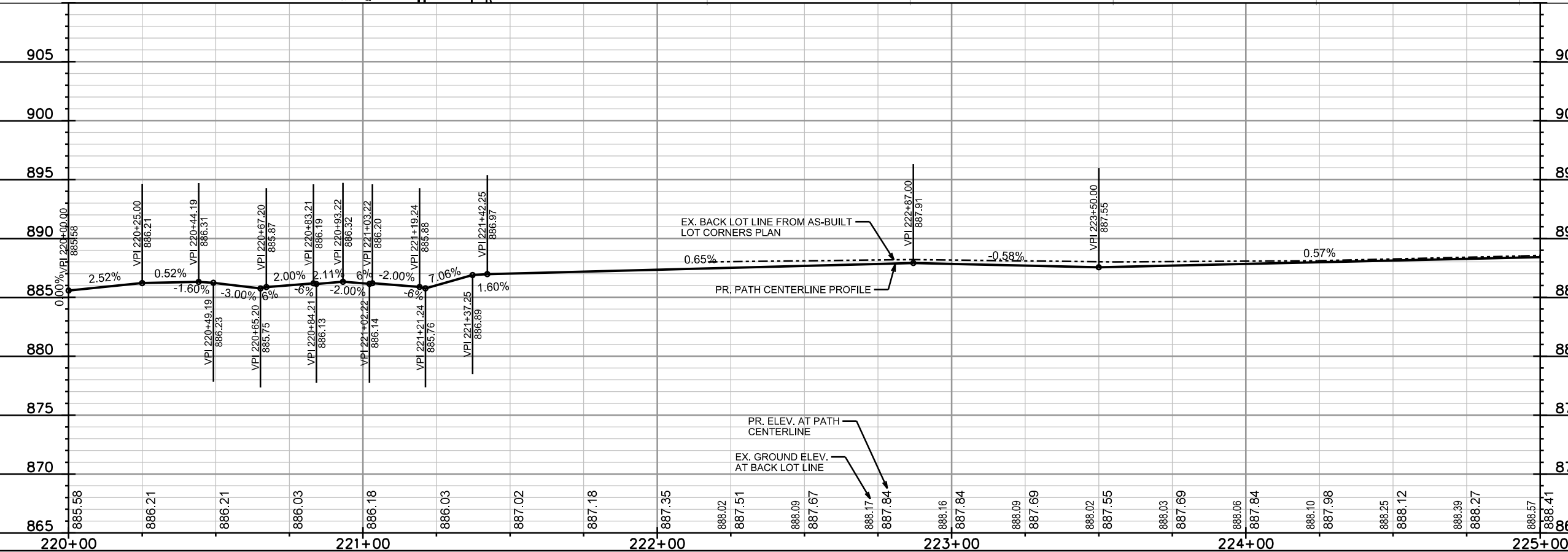
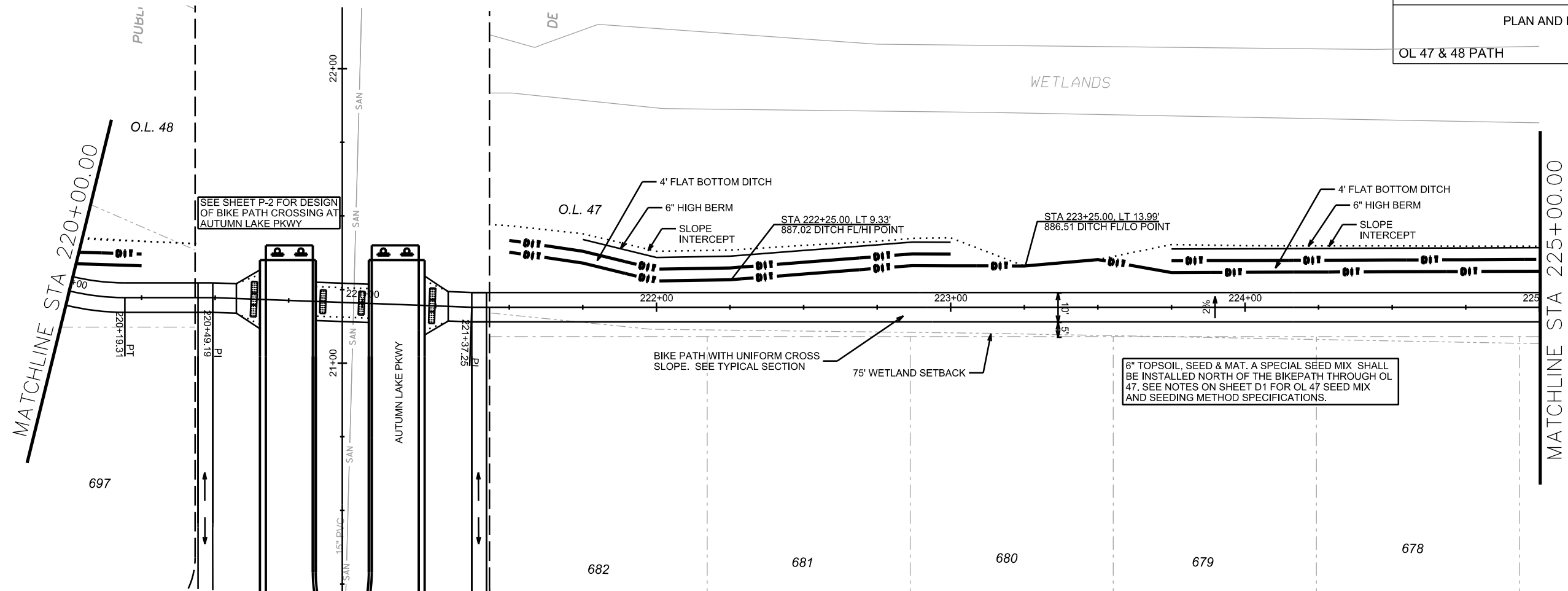
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

OL 47 & 48 PATH CITY OF MADISON

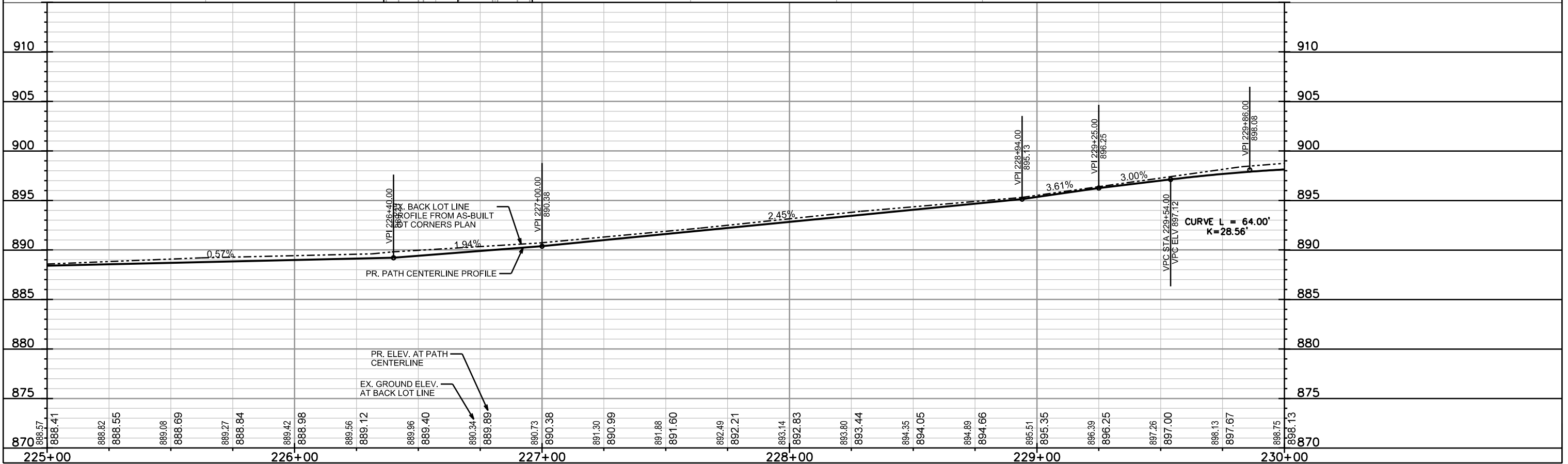
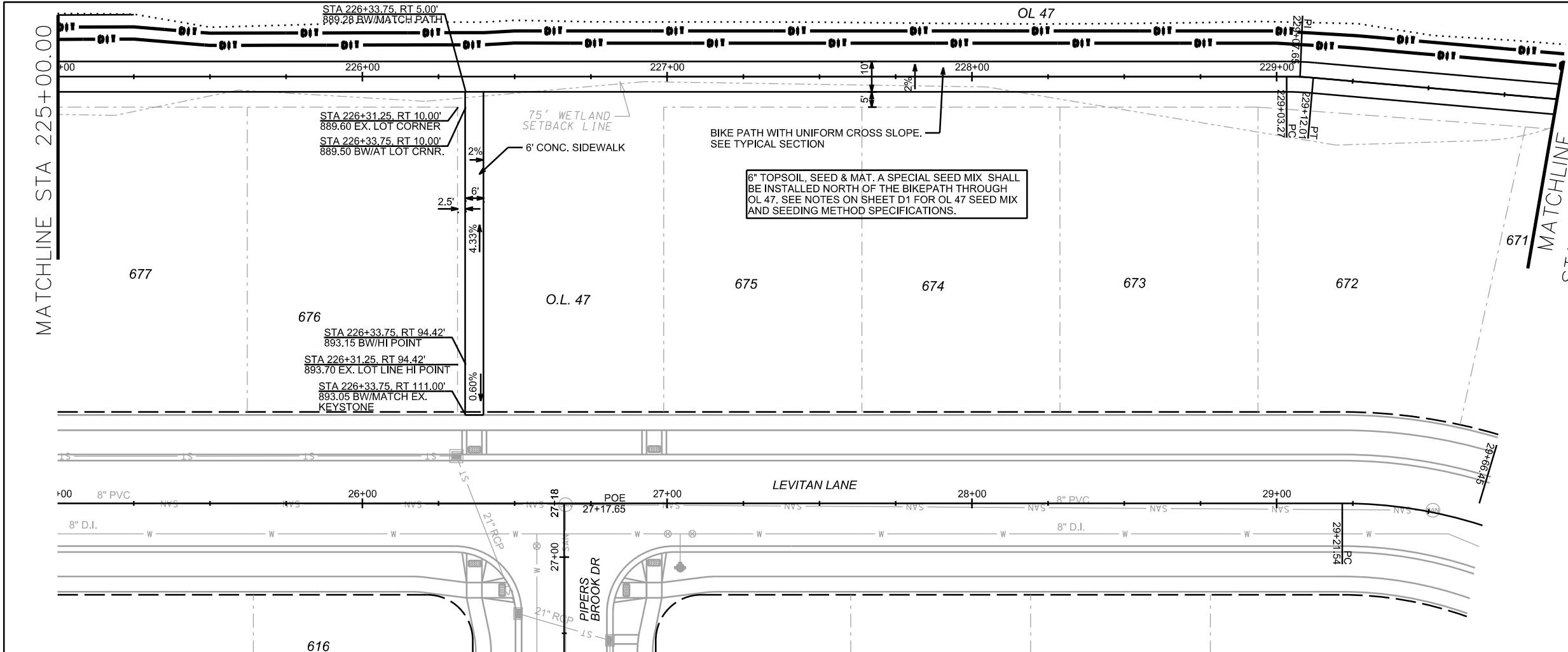


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

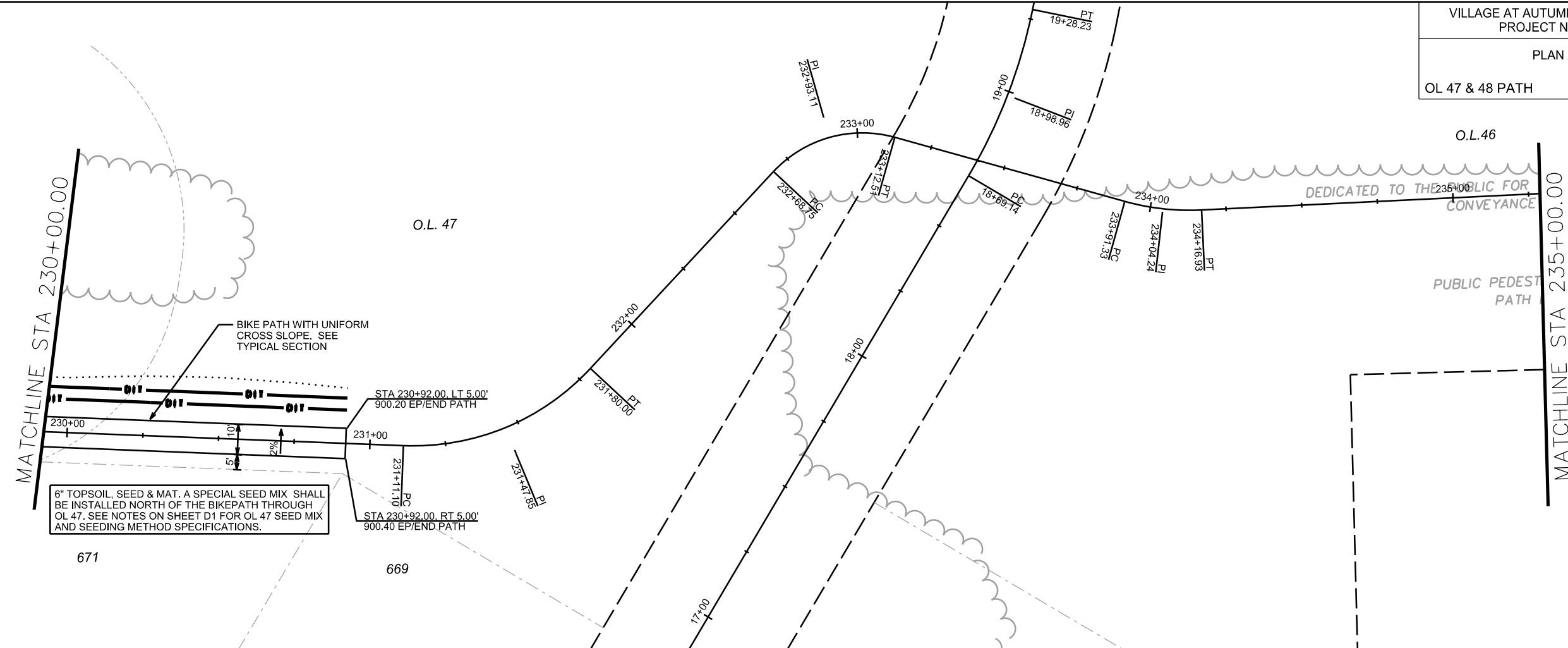


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

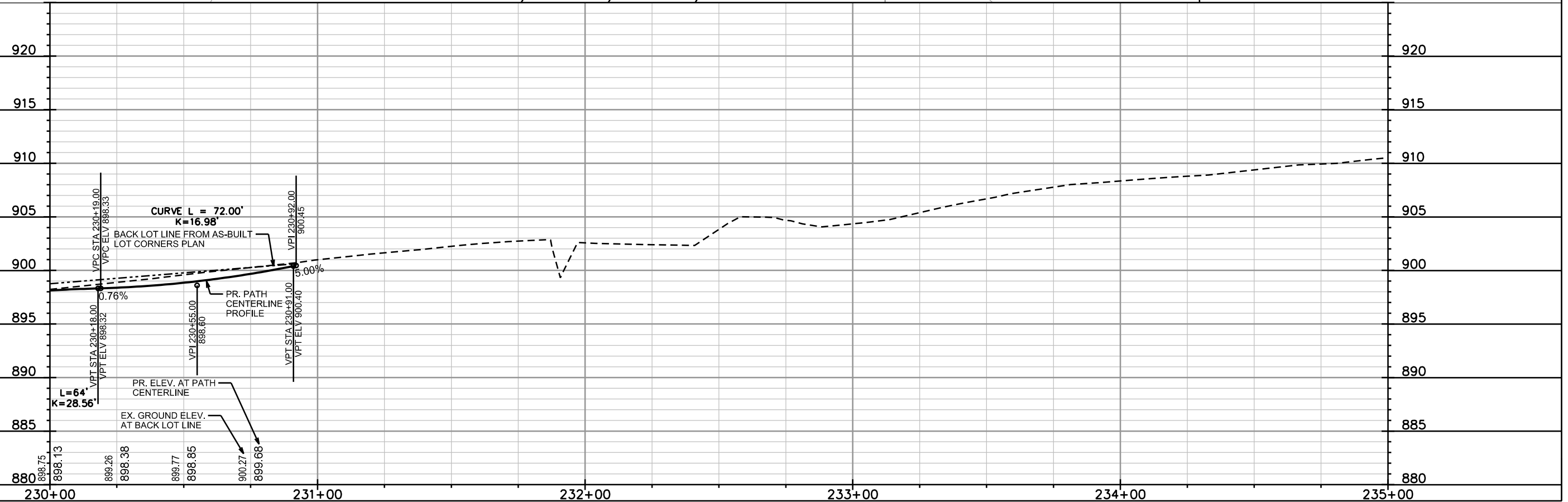
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



6" TOPSOIL, SEED & MAT. A SPECIAL SEED MIX SHALL BE INSTALLED NORTH OF THE BIKEPATH THROUGH OL 47. SEE NOTES ON SHEET D1 FOR OL 47 SEED MIX AND SEEDING METHOD SPECIFICATIONS.

MATCHLINE STA 230+00.00

MATCHLINE STA 235+00.00

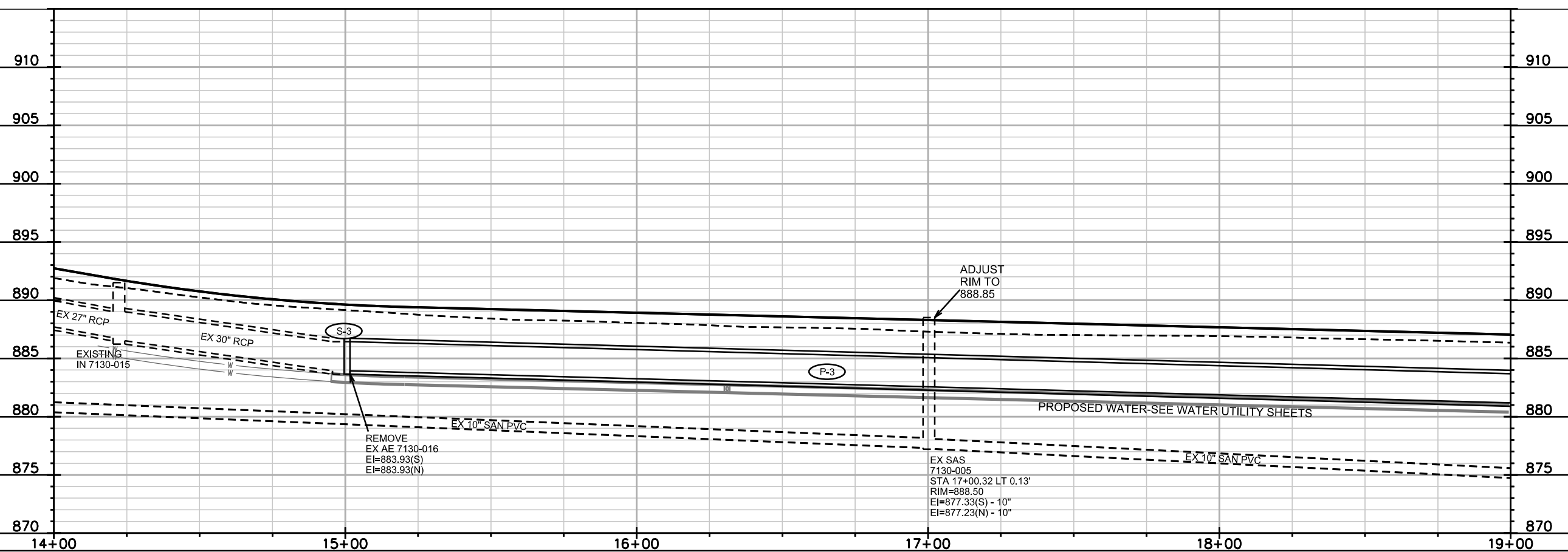
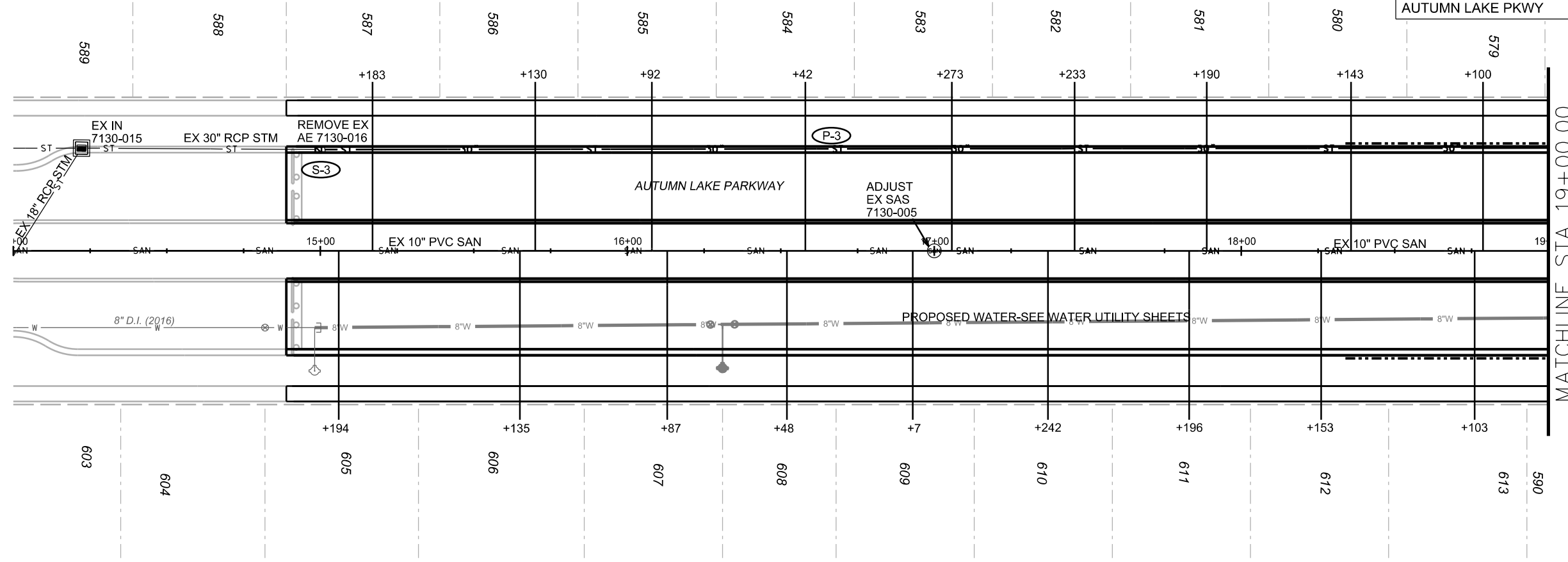
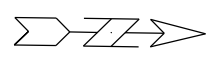


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

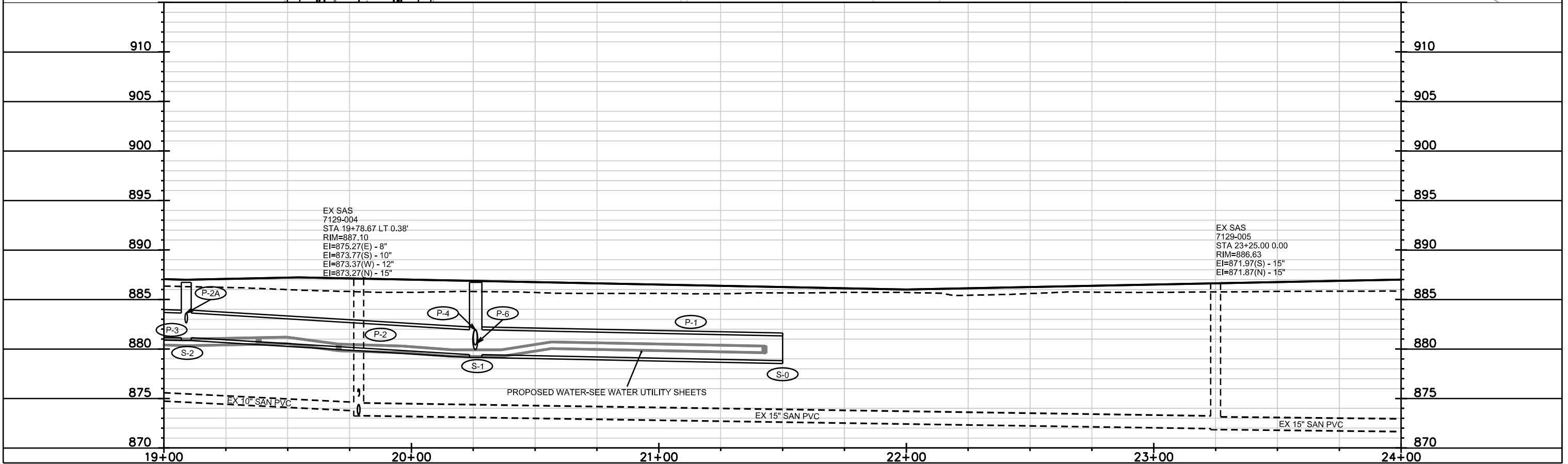
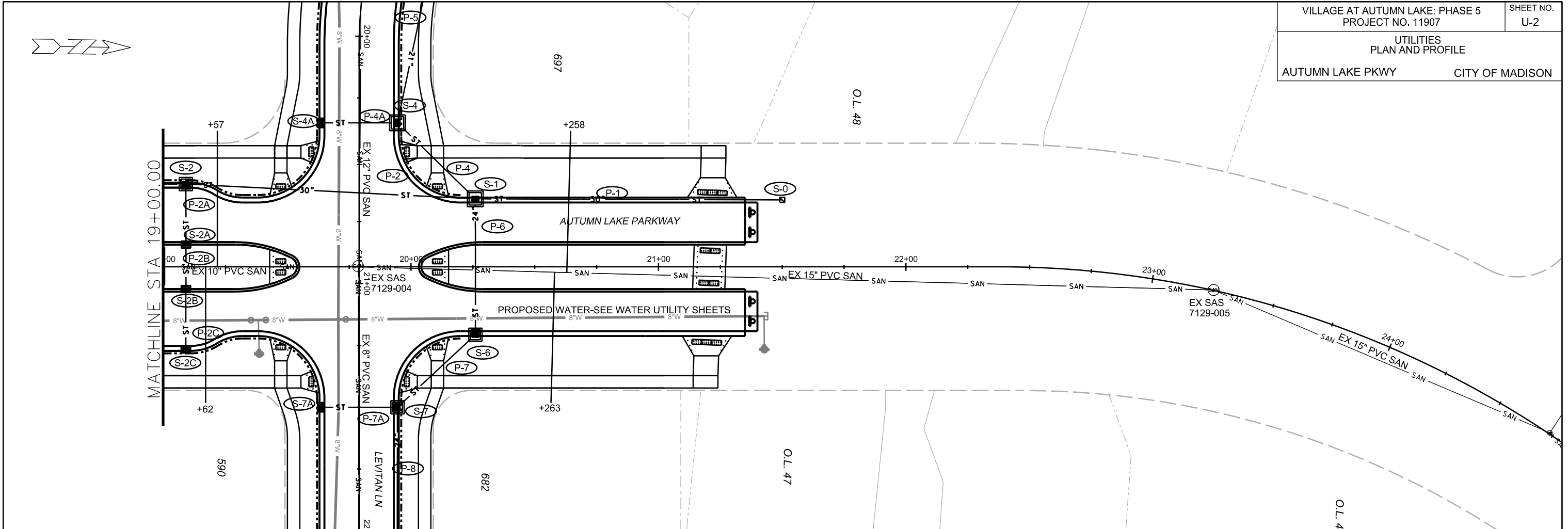


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

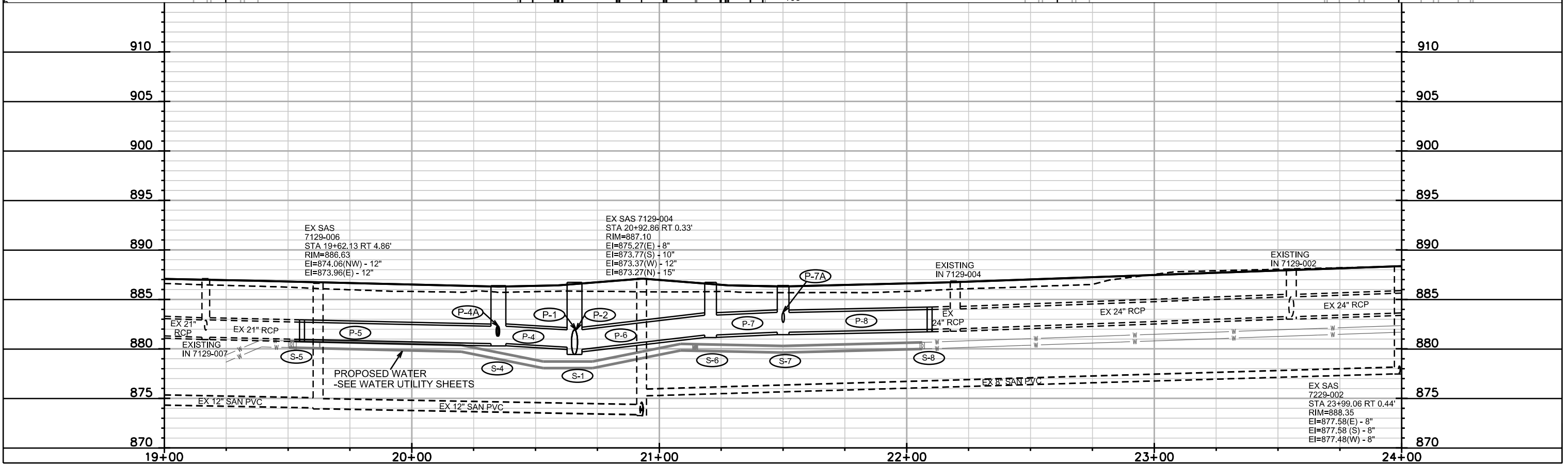
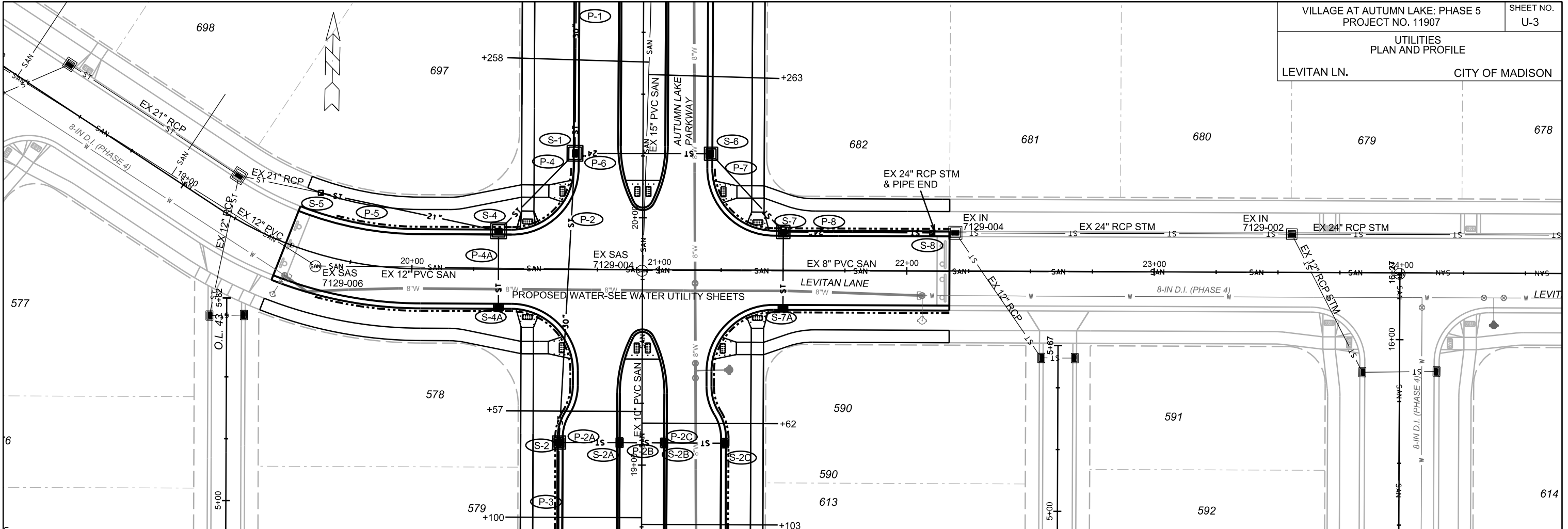


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
AUTUMN LAKE PKWY							
S-0	21+50.00	LT-27.00	PIPE END	-	878.82	-	-
S-1	20+26.00	LT-27.50	5X5 SAS	886.72	879.43	7.29	W/ R-3067-7004-VB
S-2	19+09.00	LT-33.50	4X4 SAS	886.73	881.13	5.60	LP; W/ R-3067-7004-V; (1)
S-2A	19+09.00	LT-9.00	H INLET	887.23	882.80	4.43	LP; W/ R-3067-7004-V
S-2B	19+09.00	RT-9.00	H INLET	887.23	882.95	4.28	LP; W/ R-3067-7004-V
S-2C	19+09.00	RT-33.50	H INLET	886.73	883.13	3.60	LP; W/ R-3067-7004-V; (1)
S-3	14+99.05	LT-32.55	FIELD BEND	-	883.93	-	-
S-6	20+26.00	RT-27.50	4X4 SAS	886.72	881.41	5.31	W/ R-3067-7004-VB
LEVITAN LANE							
S-4	20+35.00	LT-15.50	5X5 SAS	886.39	880.53	5.86	LP; W/ R-3067-7004-V; (1)
S-4A	20+35.00	RT-15.50	H INLET	886.39	882.59	3.80	LP; W/ R-3067-7004-V; (1)
S-5	19+54.62	LT-23.91	CONCRETE COLLAR	-	880.96	-	-
S-7	21+50.00	LT-15.50	4X4 SAS	886.40	881.68	4.72	LP; W/ R-3067-7004-V; (1)
S-7A	21+50.00	RT-15.50	H INLET	886.40	882.86	3.54	LP; W/ R-3067-7004-V; (1)
S-8	22+10.25	LT-15.37	COLLAR	-	881.98	-	-

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
P-1	S-0	S-1	878.82	879.43	124	122	0.50%	30"	RCP	-
P-2	S-1	S-2	879.43	881.13	117	113	1.50%	30"	RCP	-
P-2A	S-2	S-2A	882.63	882.80	24	21	0.81%	12"	RCP	-
P-2B	S-2A	S-2B	882.80	882.95	18	16	0.94%	12"	RCP	-
P-2C	S-2B	S-2C	882.95	883.13	25	23	0.78%	12"	RCP	-
P-3	S-2	S-3	881.13	883.93	410	405	0.69%	30"	RCP	-
P-4	S-1	S-4	880.18	880.53	44	37	0.95%	21"	RCP	-
P-4A	S-4	S-4A	881.28	882.59	31	28	4.68%	12"	RCP	-
P-5	S-4	S-5	880.53	880.96	73	71	0.61%	21"	RCP	-
P-6	S-1	S-6	879.93	881.41	55	50	2.96%	24"	RCP	-
P-7	S-6	S-7	881.41	881.68	43	38	0.71%	24"	RCP	-
P-7A	S-7	S-7A	882.68	882.86	31	28	0.64%	12"	RCP	-
P-8	S-7	S-8	881.68	881.98	60	58	0.52%	24"	RCP	-

SPECIFIC NOTES

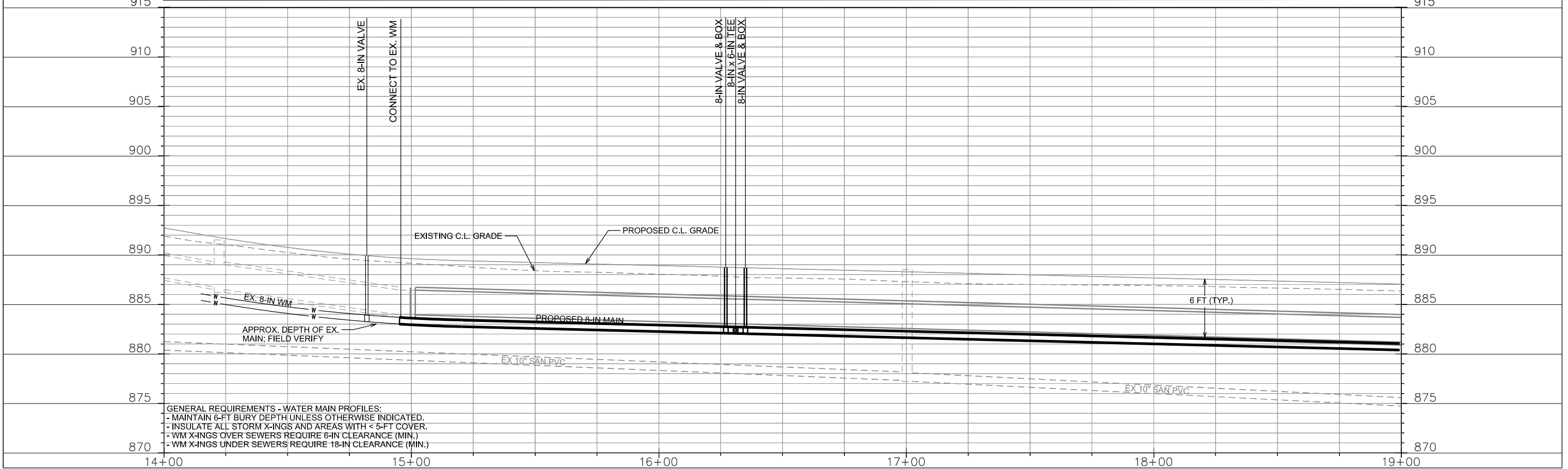
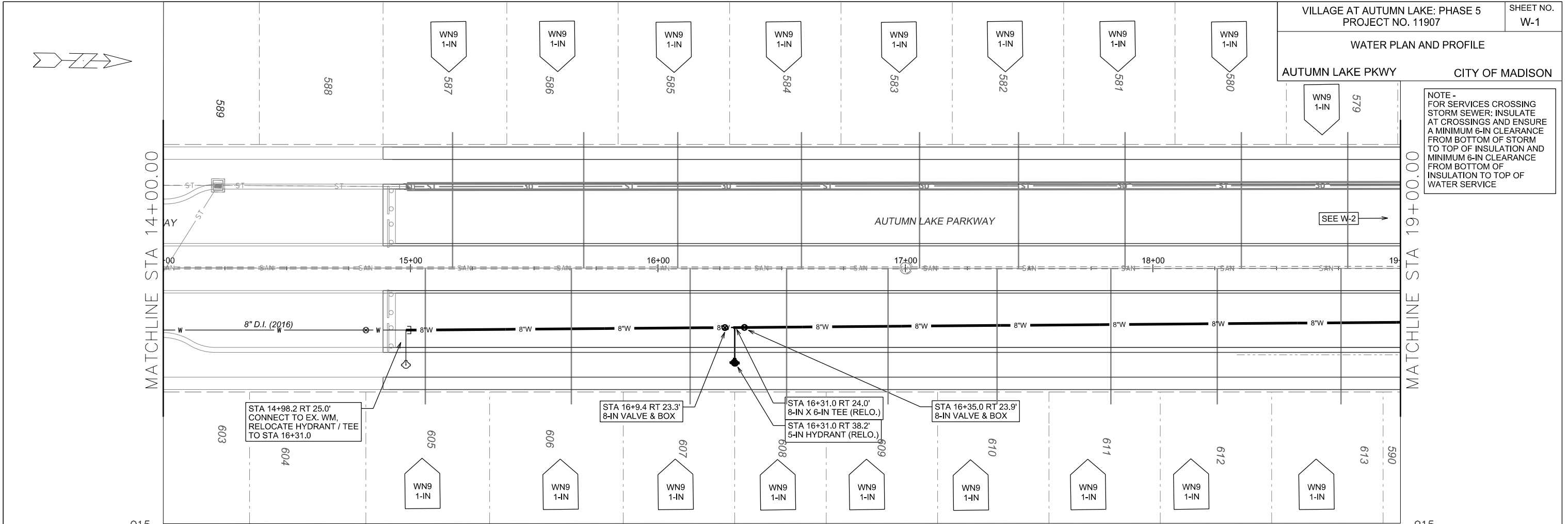
(1) SEE CITY OF MADISON SDD 5.7.7A

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.

WATER PLAN AND PROFILE
AUTUMN LAKE PKWY CITY OF MADISON

NOTE -
FOR SERVICES CROSSING
STORM SEWER: INSULATE
AT CROSSINGS AND ENSURE
A MINIMUM 6-IN CLEARANCE
FROM BOTTOM OF STORM
TO TOP OF INSULATION AND
MINIMUM 6-IN CLEARANCE
FROM BOTTOM OF
INSULATION TO TOP OF
WATER SERVICE



GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

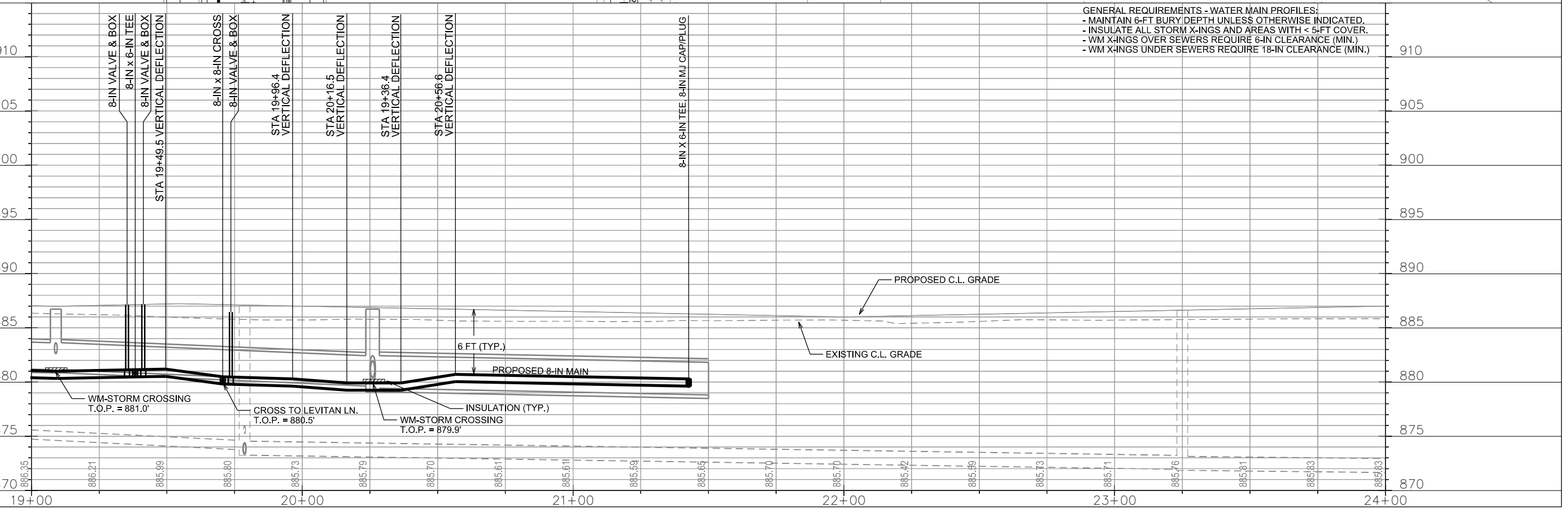
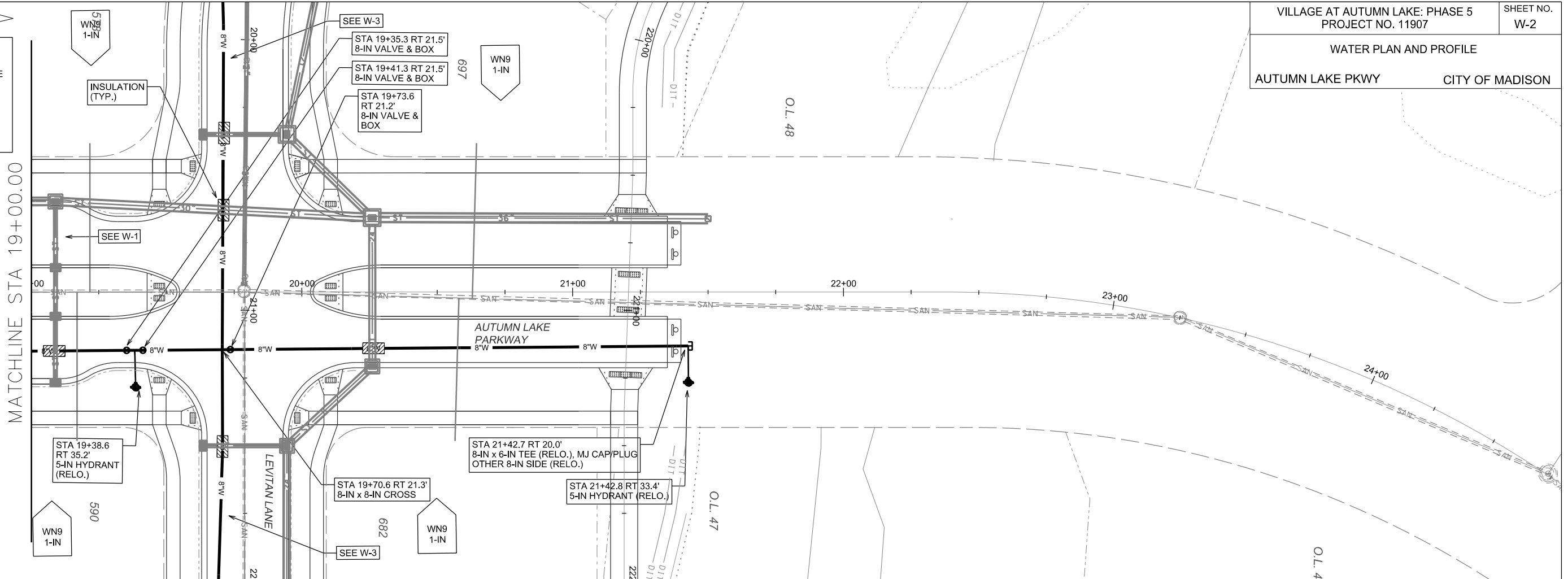
PLOT SCALE:

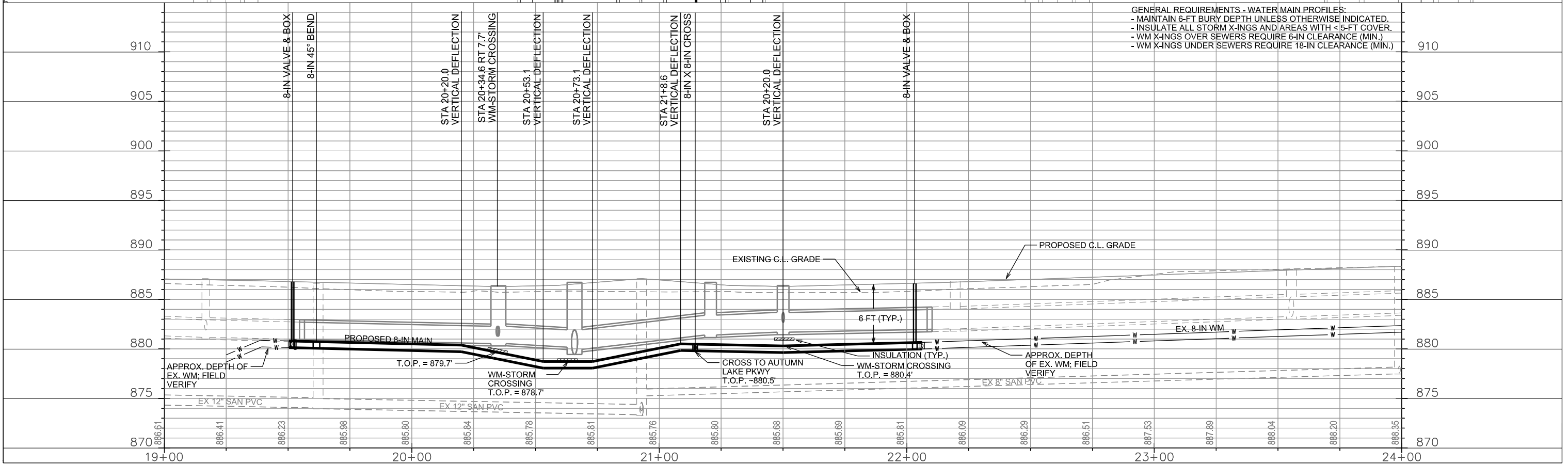
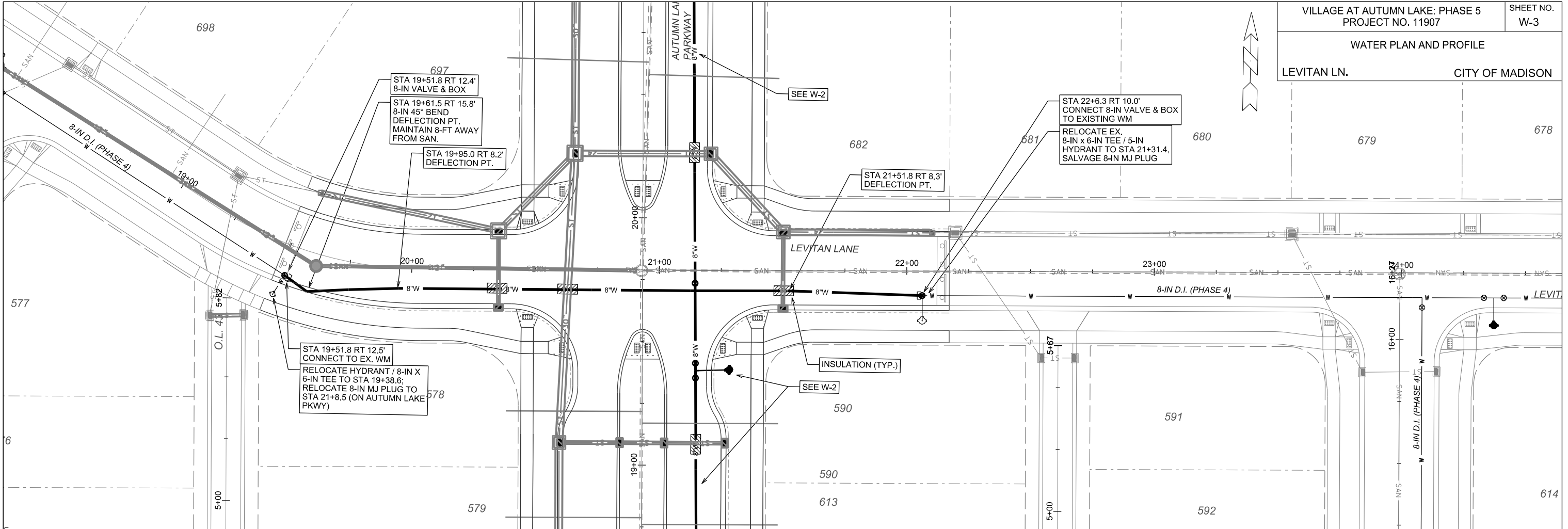
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE -
FOR SERVICES CROSSING
STORM SEWER: INSULATE
AT CROSSINGS AND ENSURE
A MINIMUM 6-IN CLEARANCE
FROM BOTTOM OF STORM
TO TOP OF INSULATION AND
MINIMUM 6-IN CLEARANCE
FROM BOTTOM OF
INSULATION TO TOP OF
WATER SERVICE





GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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 NOTIFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

50-FT - 6-IN PIPE
910-FT - 8-IN PIPE

7 - 8-IN VALVE & BOX

1 - 8-IN X 8-IN CROSS
1 - 8-IN 45° BEND

1090-FT - POLY WRAP
40-FT - 2-IN STYROFOAM INSULATION

1-IN COPPER SVC (AS REQ'D)

MATERIALS SUPPLIED BY CITY:

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

NONE

ESTIMATE OF MATERIALS SALVAGED:

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

3 - 8-IN X 6-IN TEE (RELO.)

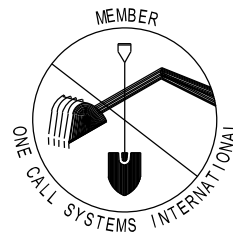
1 - 8-IN MJ PLUG

3 - 5-IN HYDRANT (RELO.)

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.

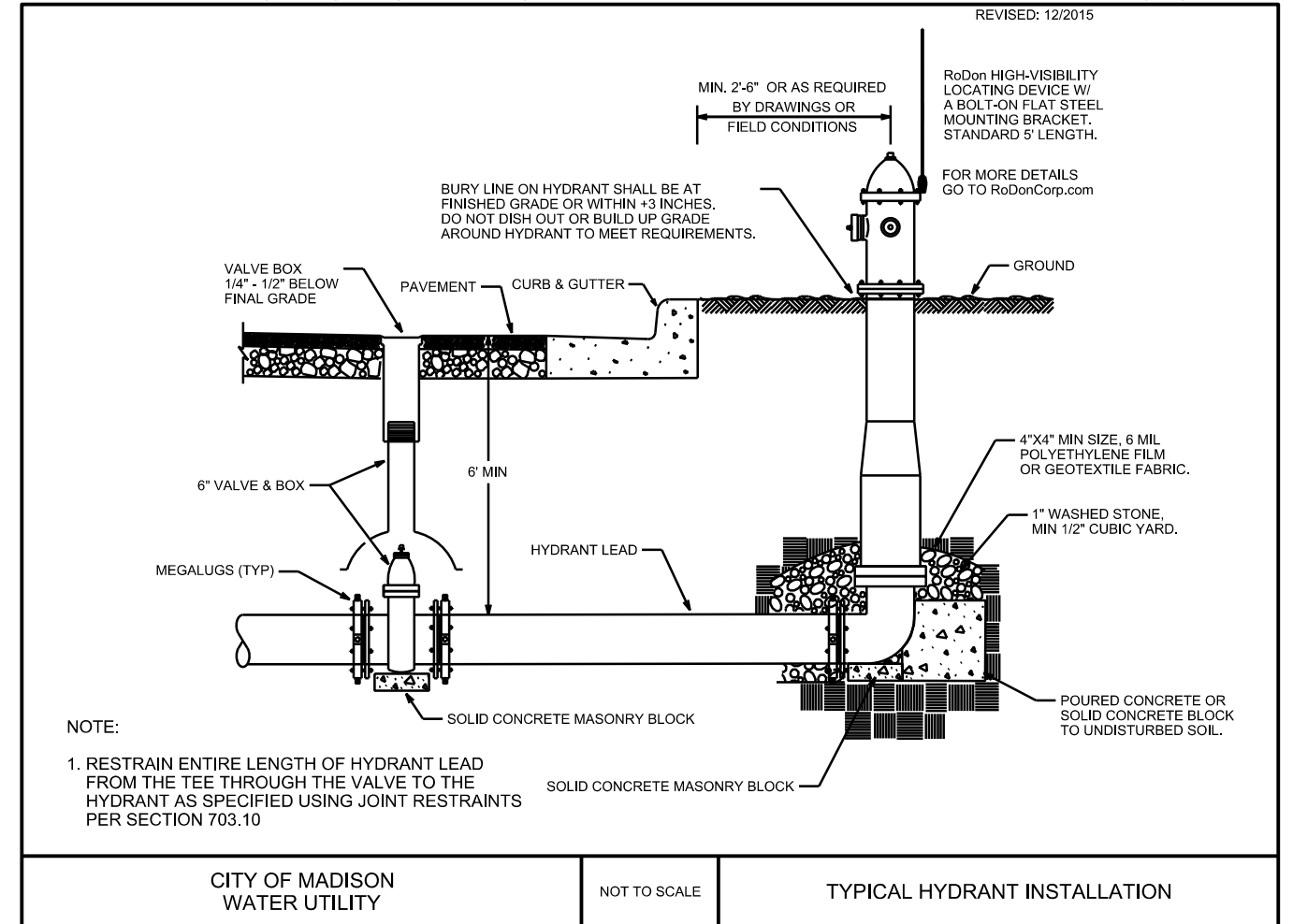


DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

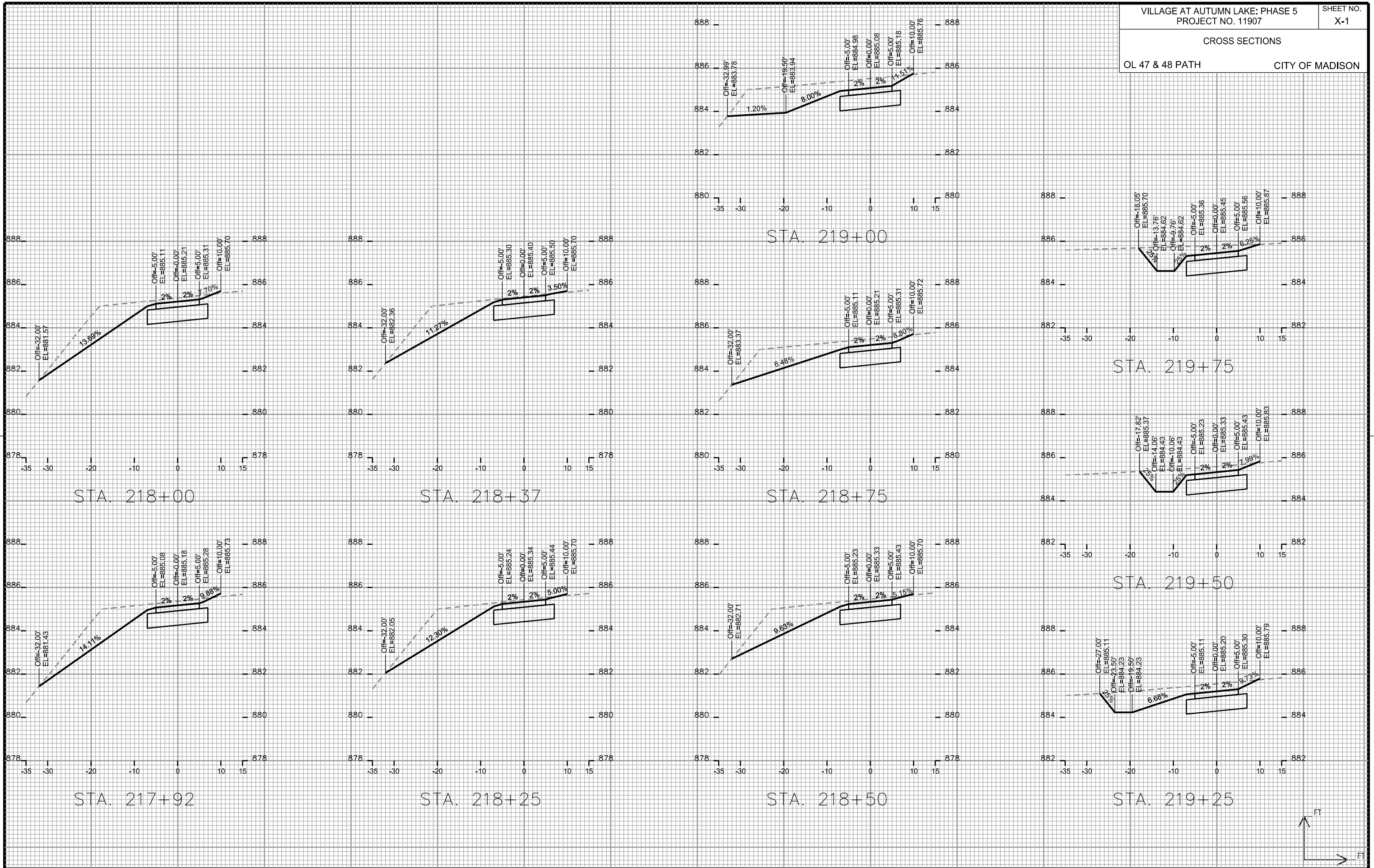
OL 47 & 48 PATH

CITY OF MADISON

PLOT SCALE: _____
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OL 47 & 48 PATH

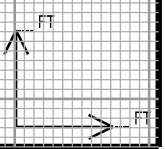
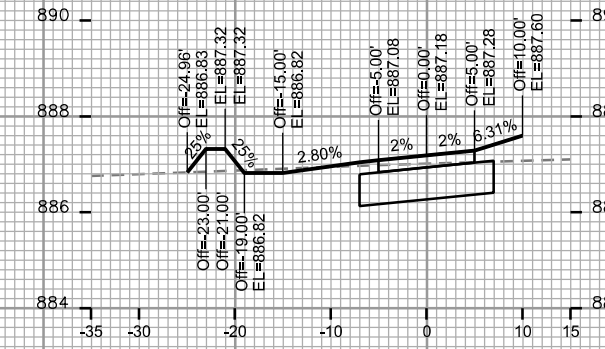
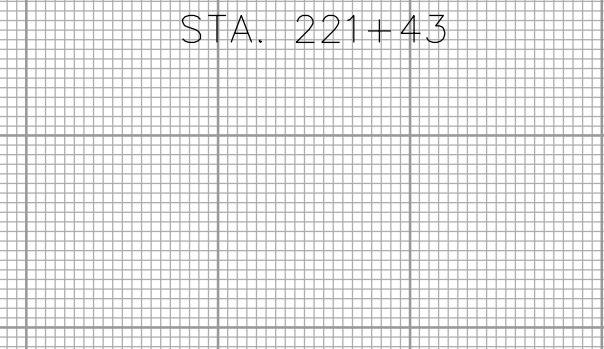
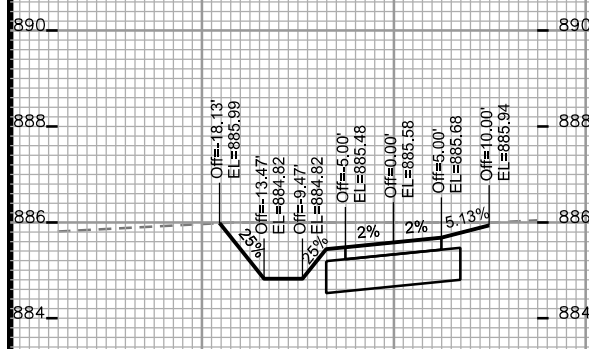
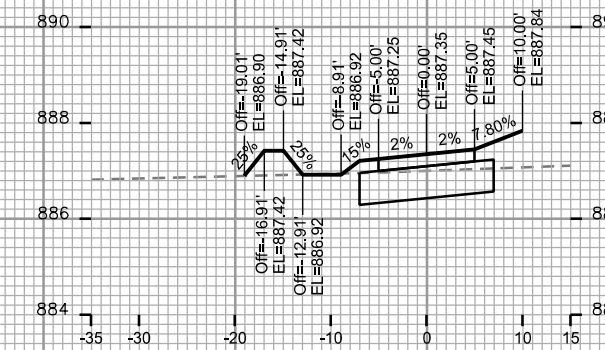
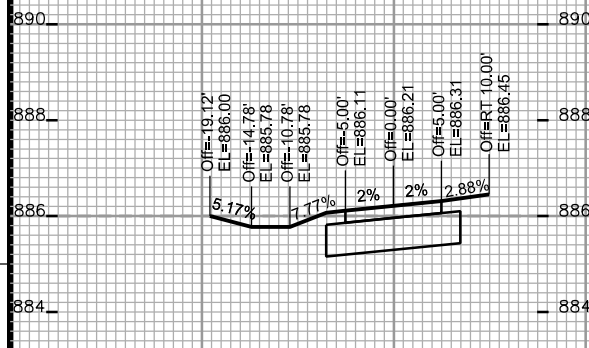
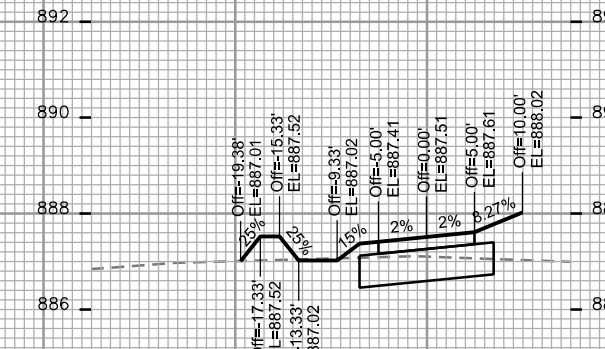
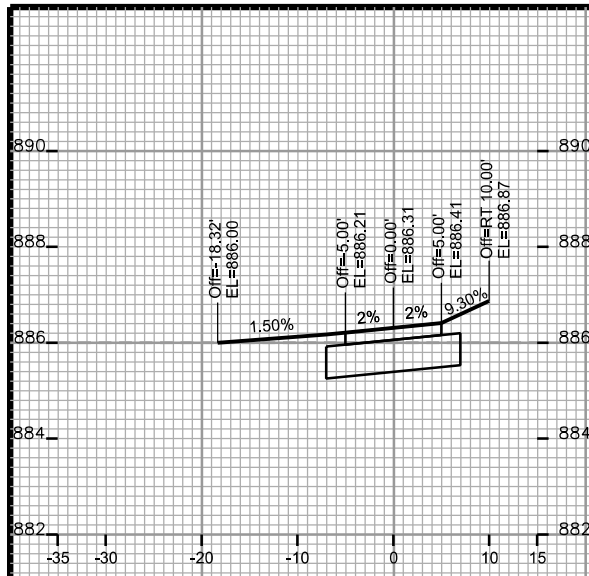
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

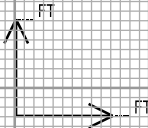
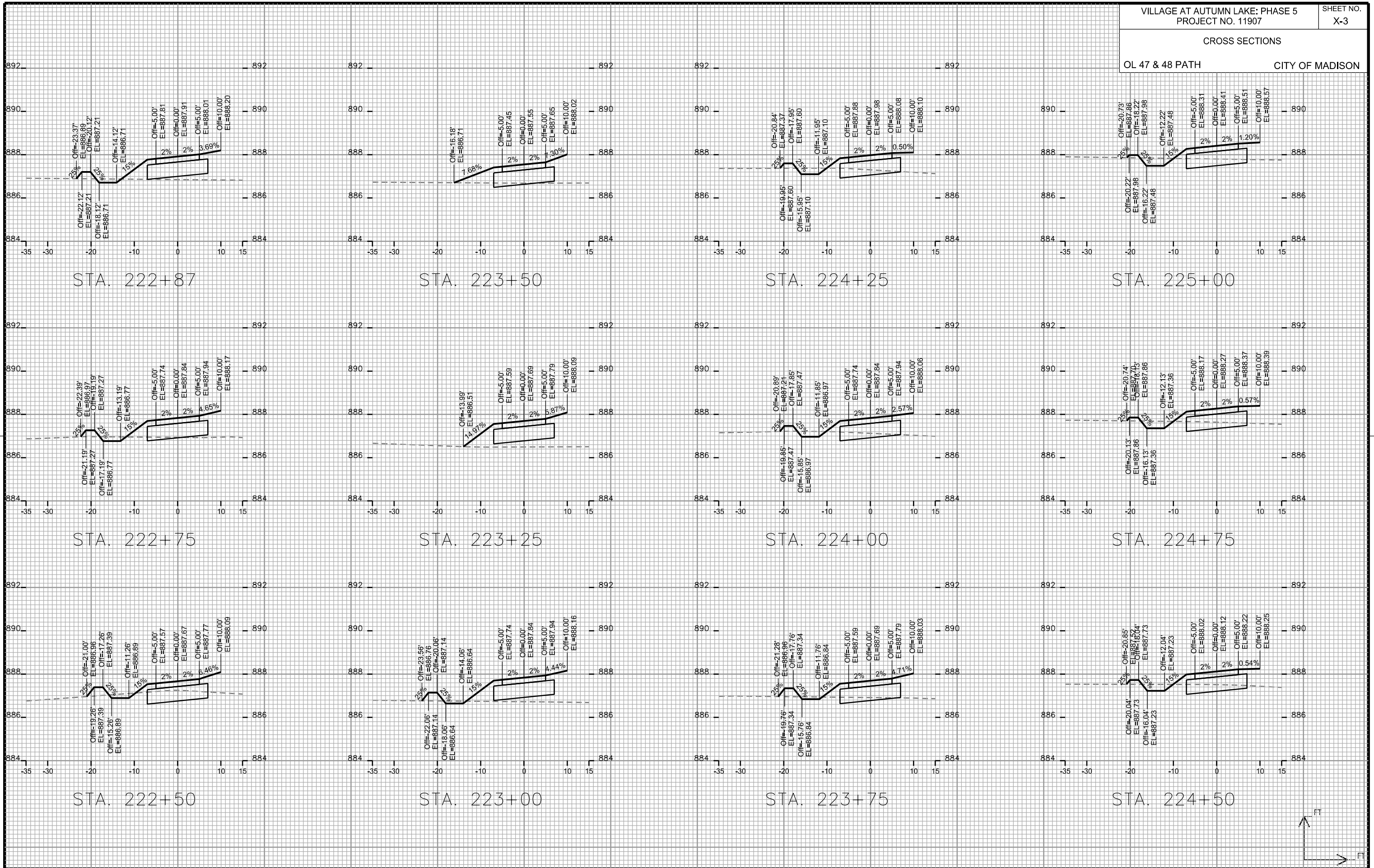
OL 47 & 48 PATH CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OL 47 & 48 PATH

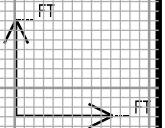
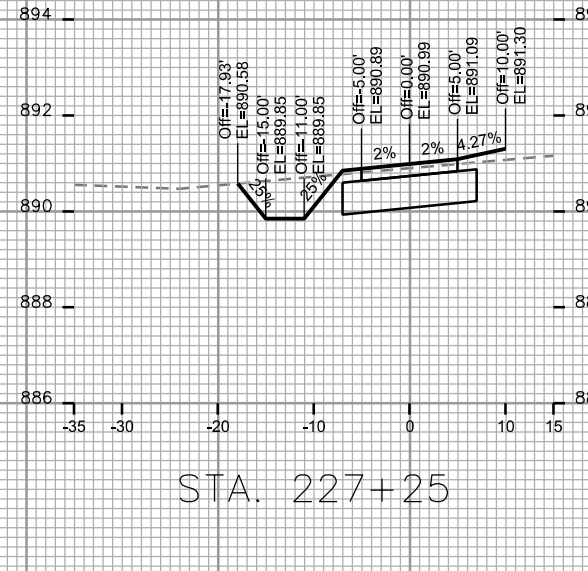
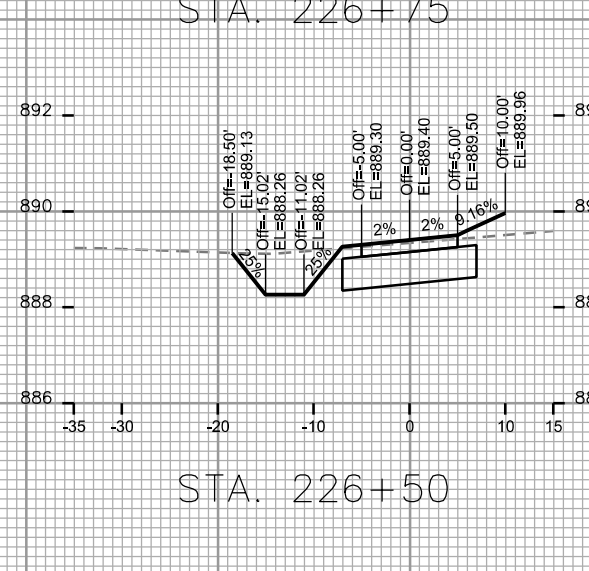
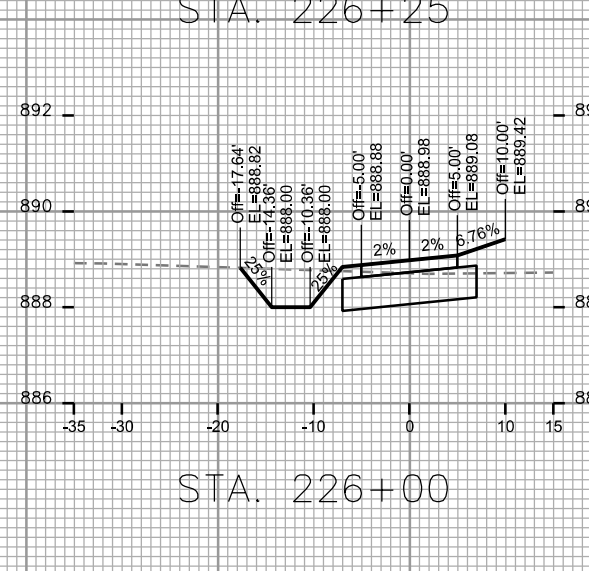
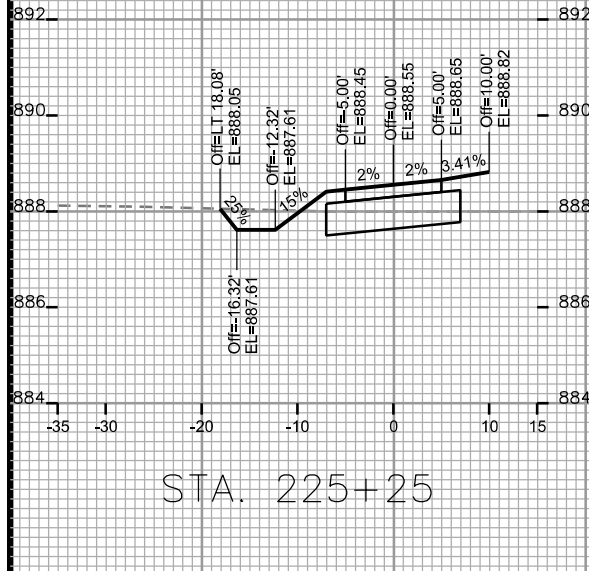
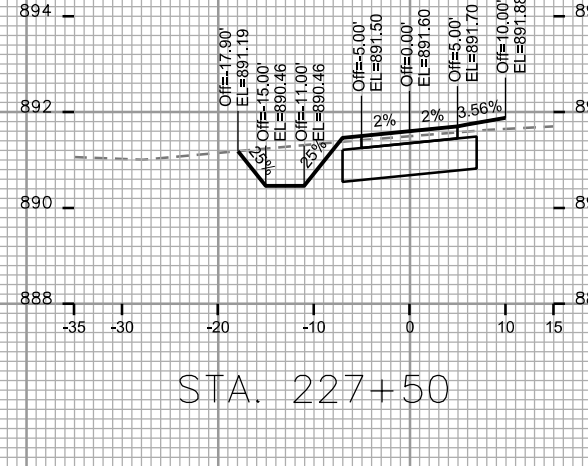
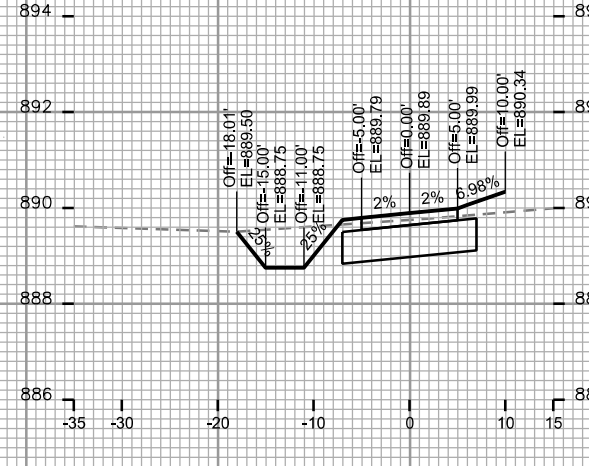
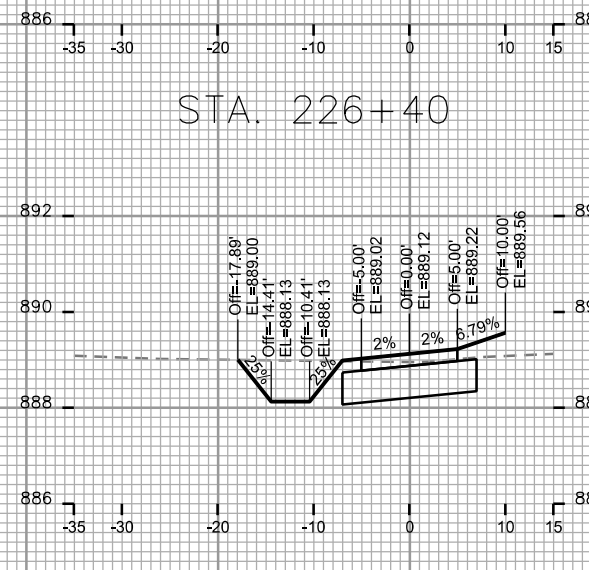
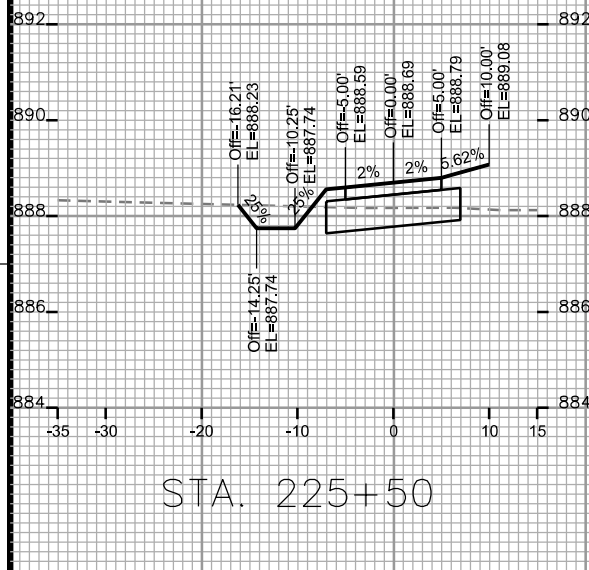
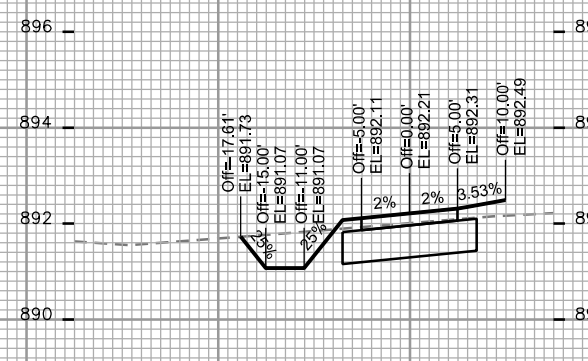
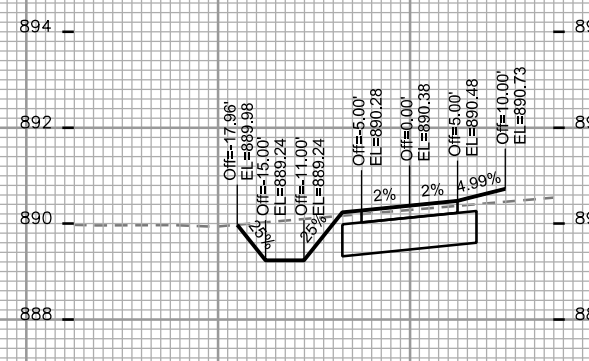
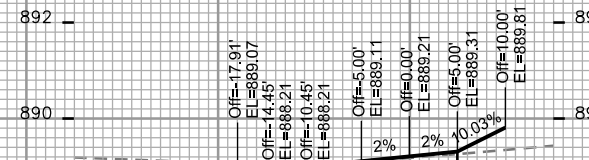
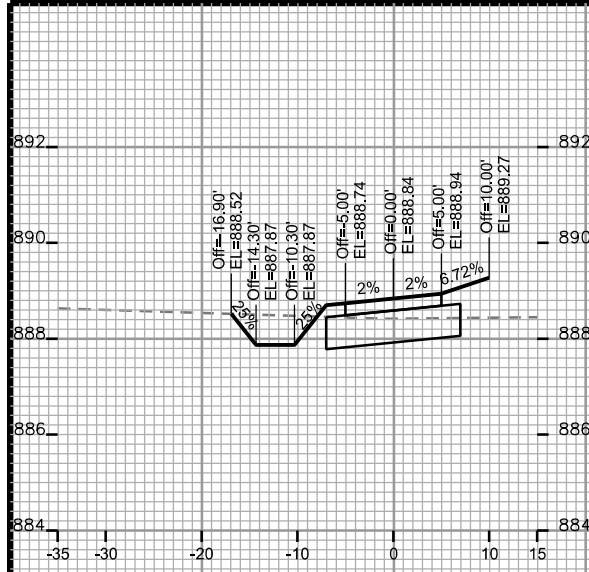
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

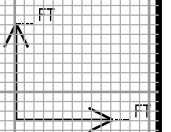
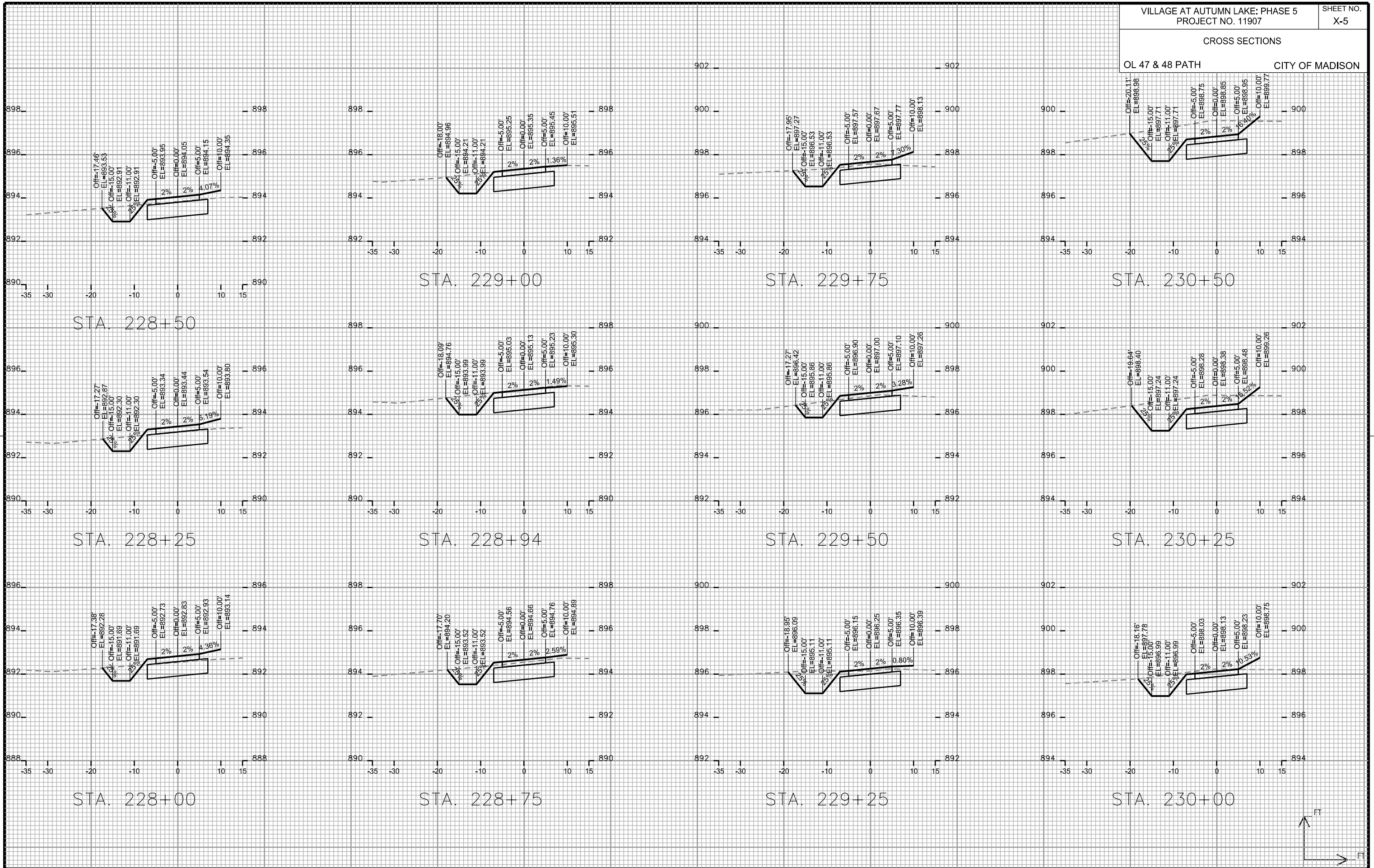
OL 47 & 48 PATH CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

OL 47 & 48 PATH

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

