

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

**INDEX OF SHEETS - STREETS**

SHEET NO.	TITLE
1	NOTES AND DETAILS
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U8	STORM SEWER SCHEDULE
U9	WATER PLAN & PROFILE
W1-W5	WATER MATERIALS
W6	

## VILLAGE AT AUTUMN LAKE, PHASE 4

MUNIS NO. 11509  
 CITY PROJECT NO. 11509  
 CITY CONTRACT NO. 7864

PUBLIC IMPROVEMENT PROJECT APPROVED

MAY 2, 2017

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*[Signature]* 5/19/17  
 City Engineer Date

SANITARY SEWER DESIGNED BY:

*[Signature]*  
 WISCONSIN PROFESSIONAL ENGINEER  
 MARK D. MODER  
 E-33979  
 MADISON WI  
 5/18/17

STORM SEWER DESIGNED BY:

*[Signature]*  
 WISCONSIN PROFESSIONAL ENGINEER  
 GREGORY T. FRIES  
 E-36556  
 MADISON WI  
 5/18/17

GEOMETRICS DESIGNED BY:

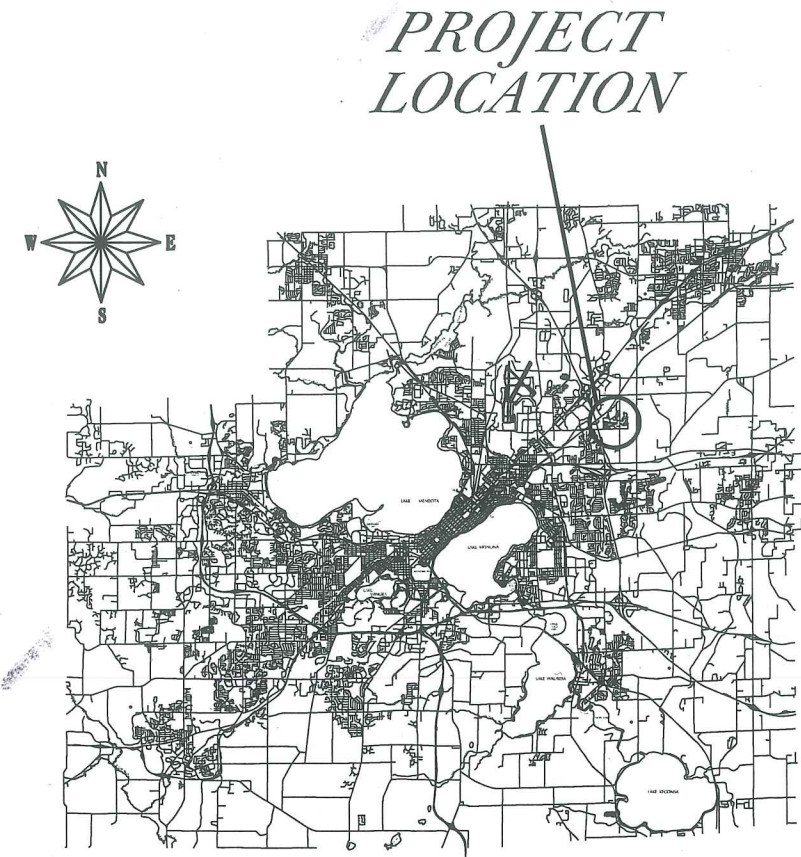
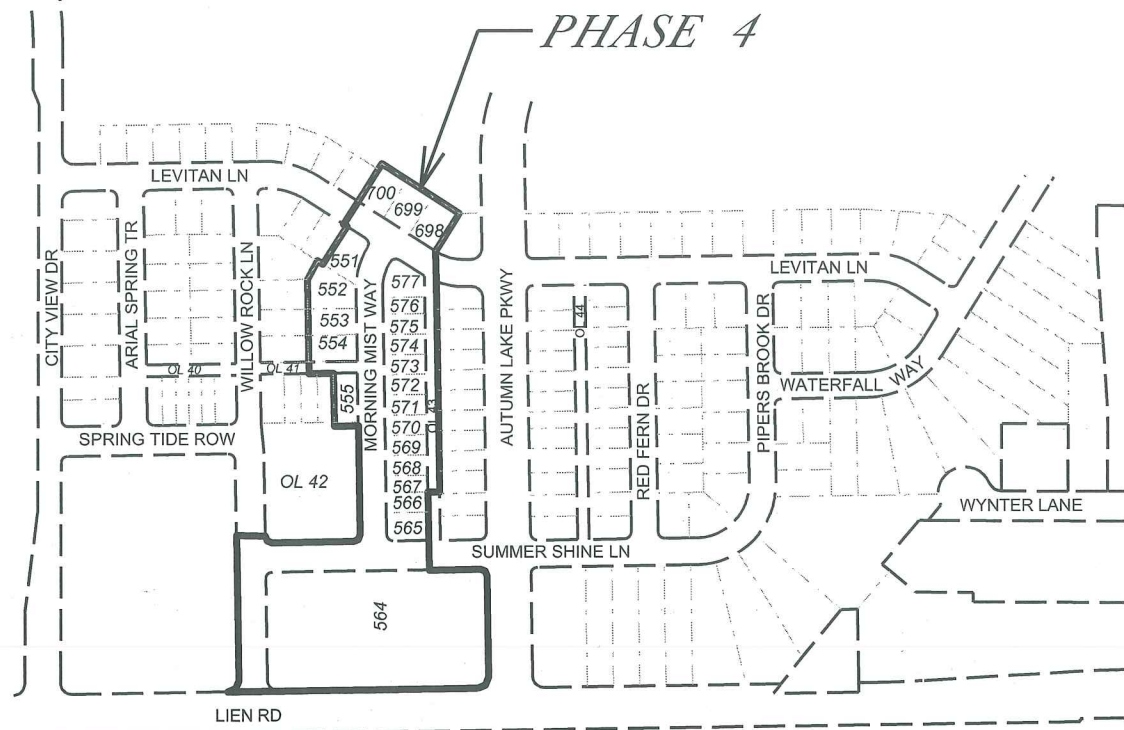
*[Signature]*  
 WISCONSIN PROFESSIONAL ENGINEER  
 MARK S. WINTER  
 E-39453  
 MADISON WI  
 4-17-17

STREET DESIGNED BY:

*[Signature]*  
 WISCONSIN PROFESSIONAL ENGINEER  
 JOHN P. SAPP  
 44054  
 Janesville, WI  
 4-18-17

WATER DESIGNED BY:

*[Signature]*  
 WISCONSIN PROFESSIONAL ENGINEER  
 ADAM R. WIEDERHOEFT  
 E-41559  
 MADISON WI  
 4-17-17



PLOT SCALE: \_\_\_\_\_ 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.

ALL PAVEMENT IN THE WILLOW ROCK LANE, SUMMER SHINE LANE, MORNING MIST WAY AND LEVITAN LANE RIGHTS-OF-WAY SHALL BE TYPE A 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.

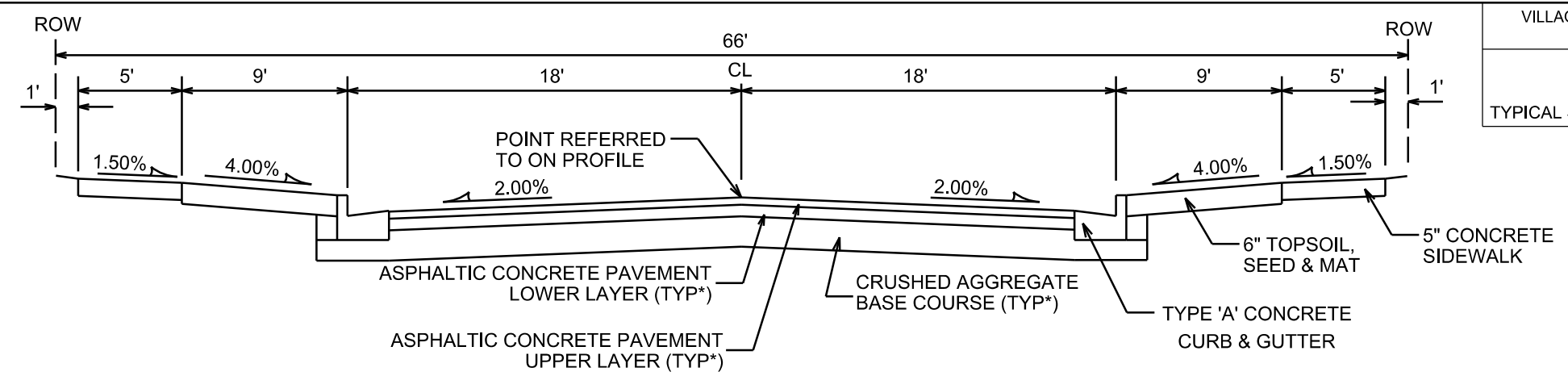
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

PLOT SCALE:

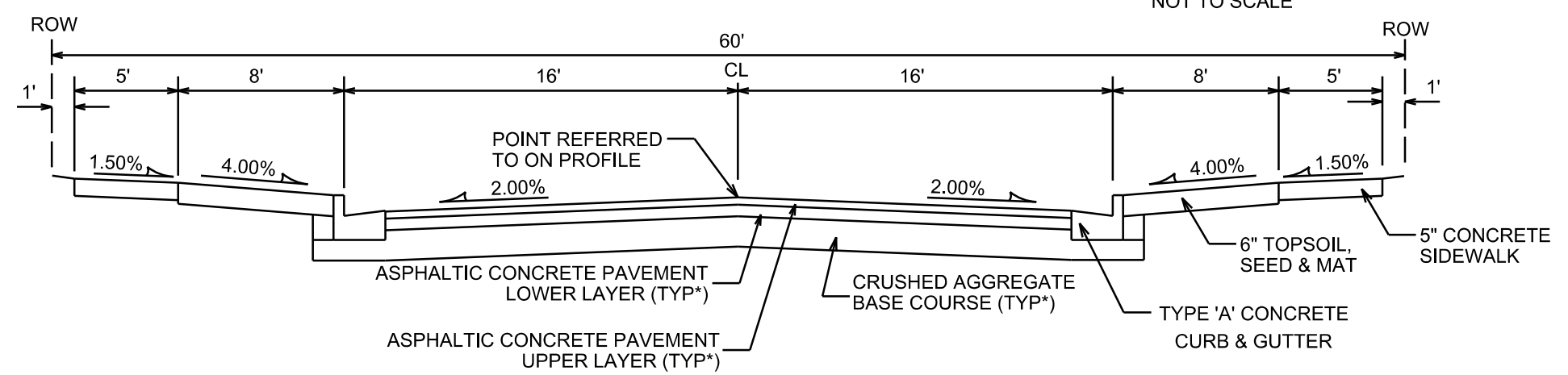
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REV. DATE:

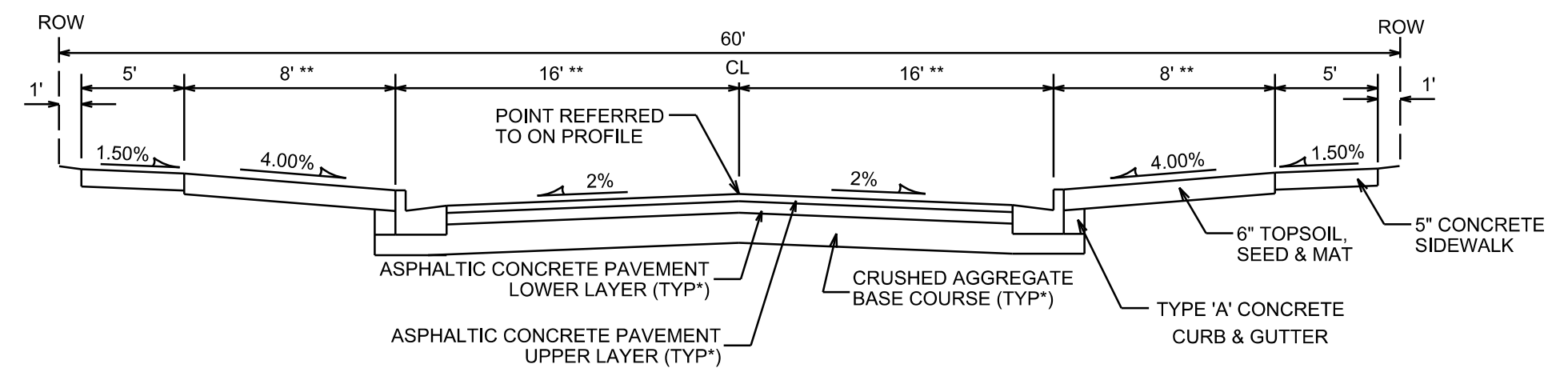
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**  
WILLOW ROCK ROAD  
SUMMER SHINE DRIVE  
NOT TO SCALE



**TYPICAL SECTION**  
LEVITAN LANE  
NOT TO SCALE



**TYPICAL SECTION**  
MORNING MIST WAY  
NOT TO SCALE

NOTES:

\* WILLOW ROCK ROAD, SUMMER SHINE DRIVE, LEVITAN LANE AND MORNING MIST WAY SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

\*\* WIDTH VARIES FROM STA 12+66 TO STA 13+25. SEE PLAN AND PROFILE FOR OFFSETS AND ELEVATIONS FOR CURB AND SIDEWALK.

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	TYPE	THICKNESS	TYPE	THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"

PLOT SCALE: \_\_\_\_\_

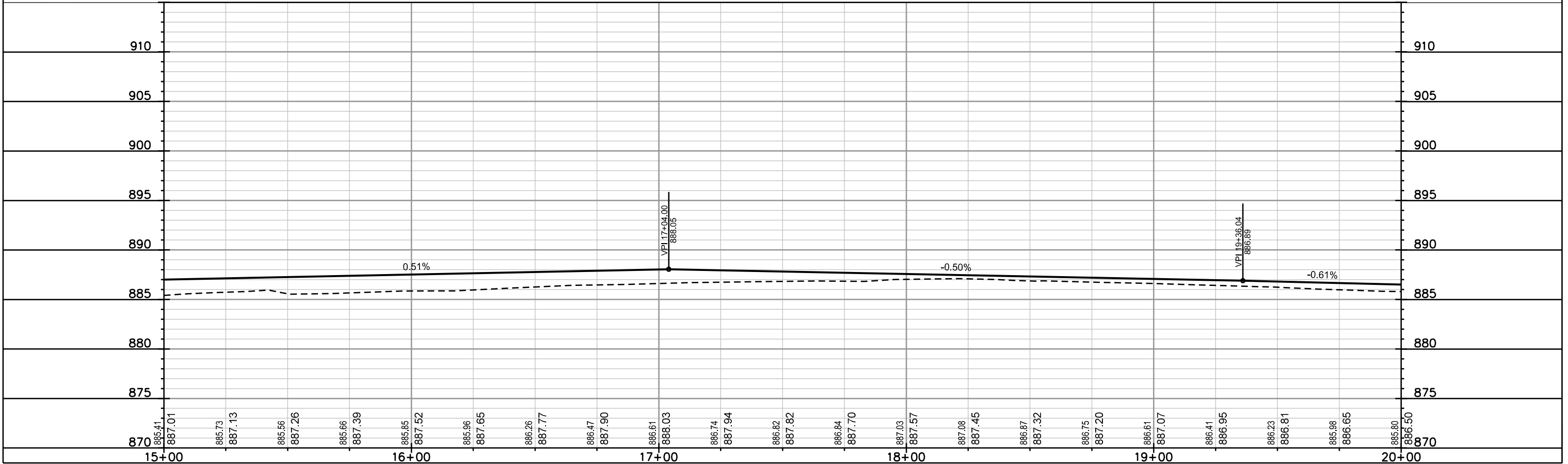
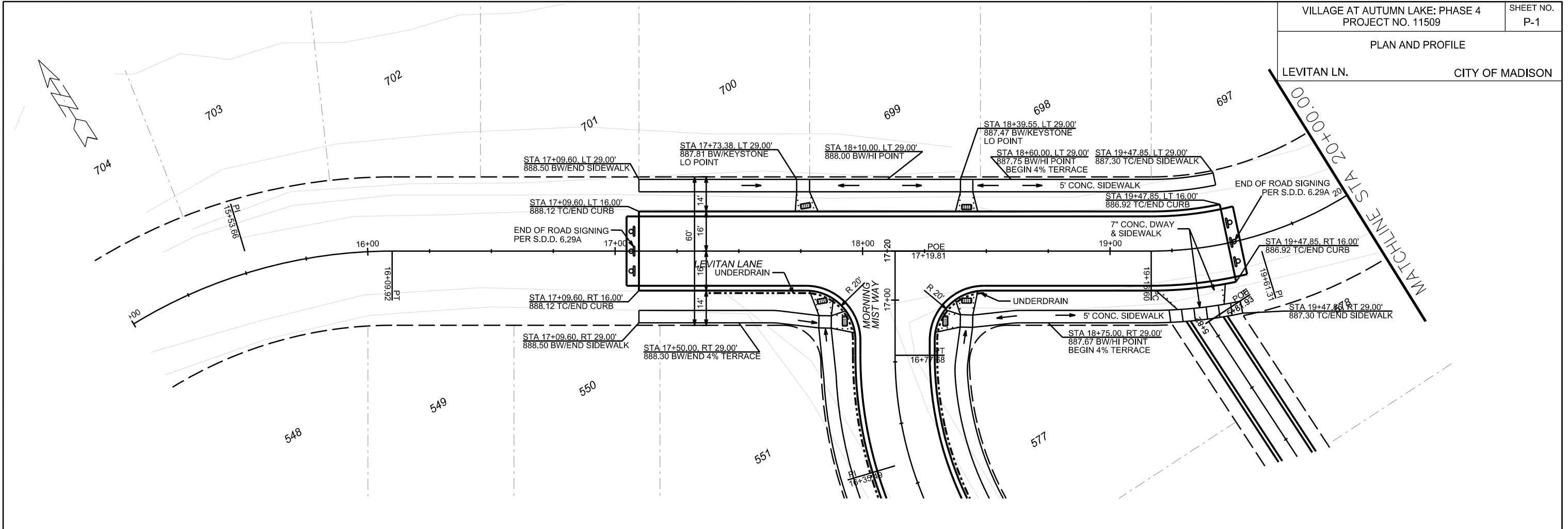
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

LEVITAN LN. CITY OF MADISON



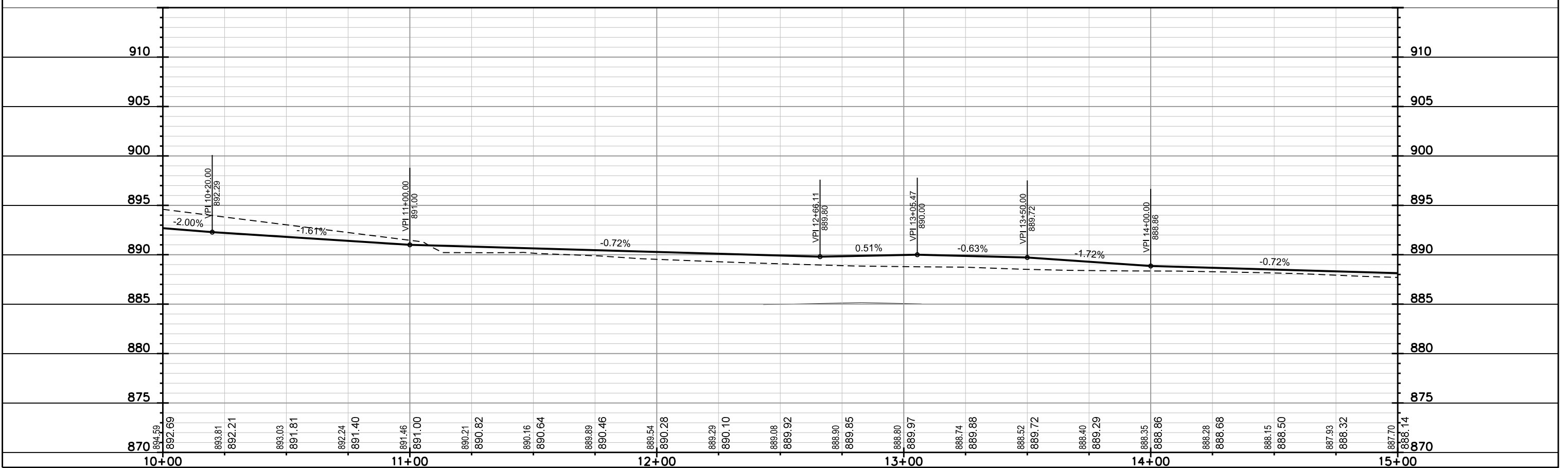
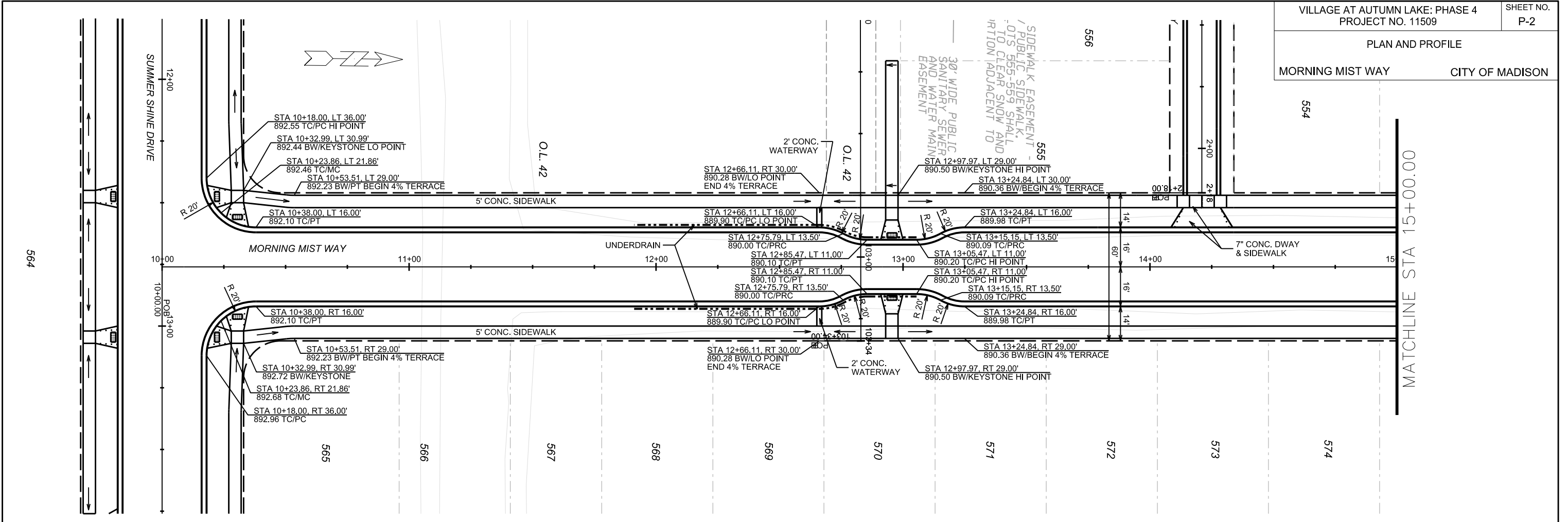
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PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
MORNING MIST WAY CITY OF MADISON



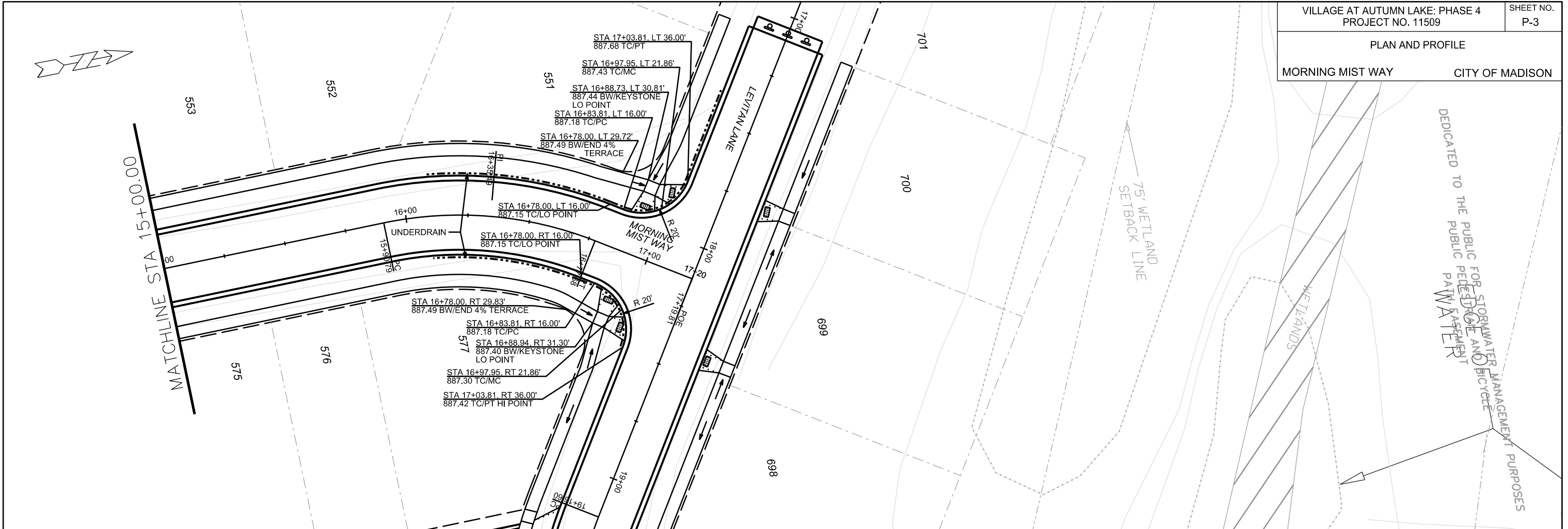
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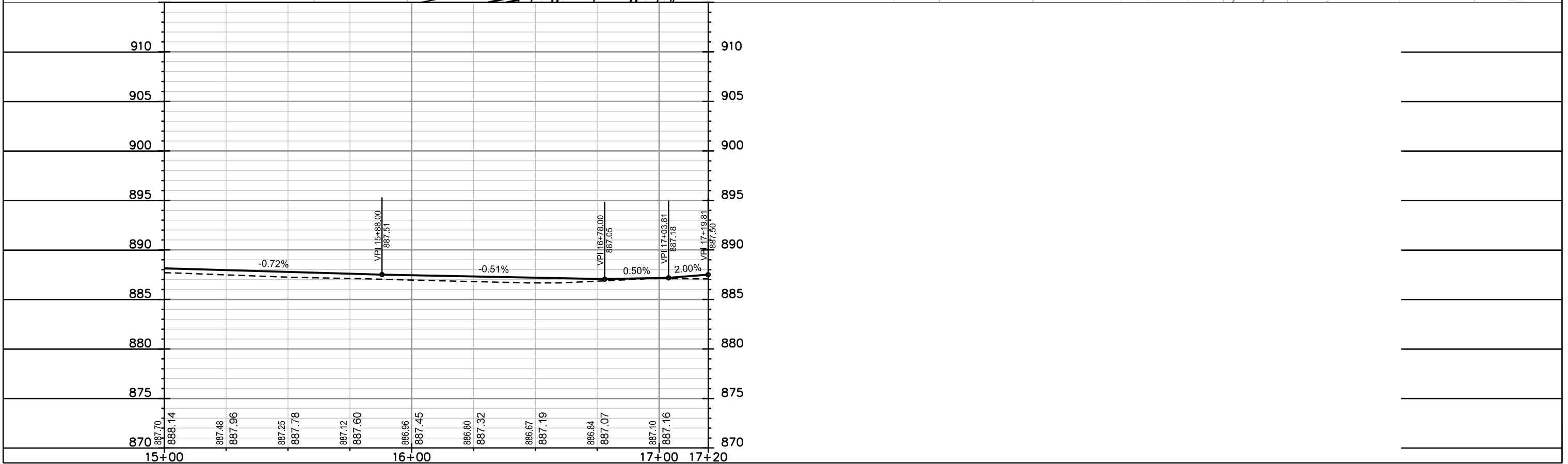
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
MORNING MIST WAY CITY OF MADISON



DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT PURPOSES  
WATER FASSEMBLY AND BIKEWAY

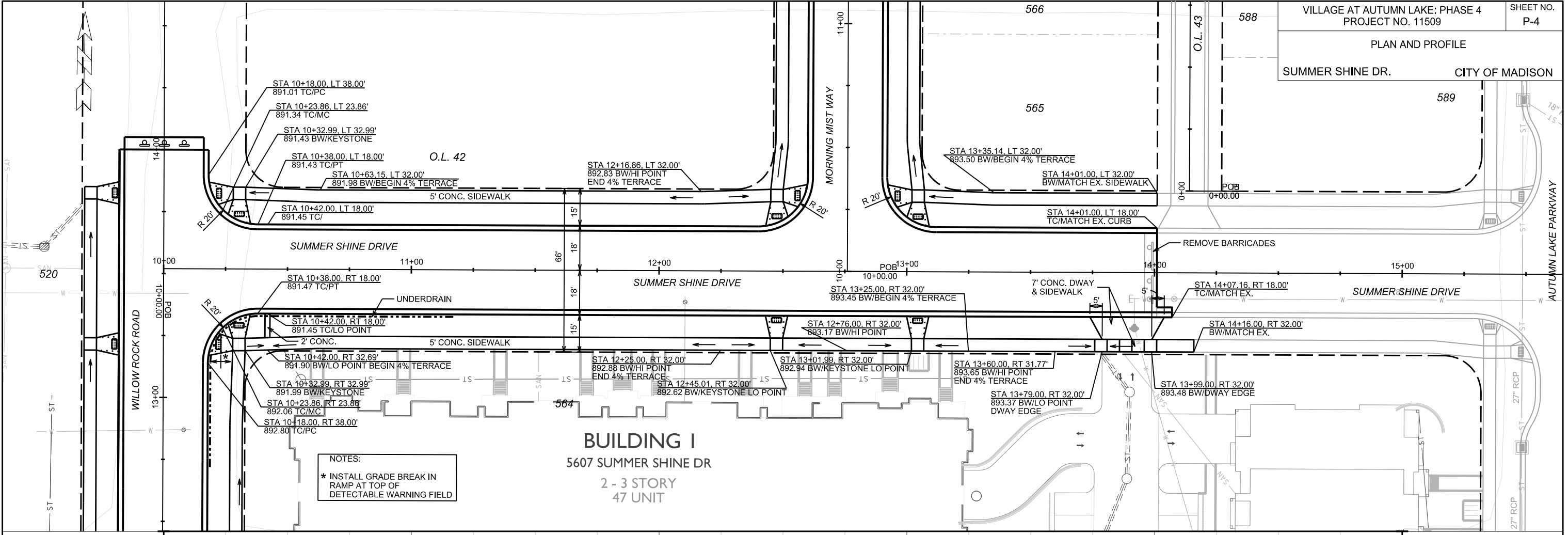


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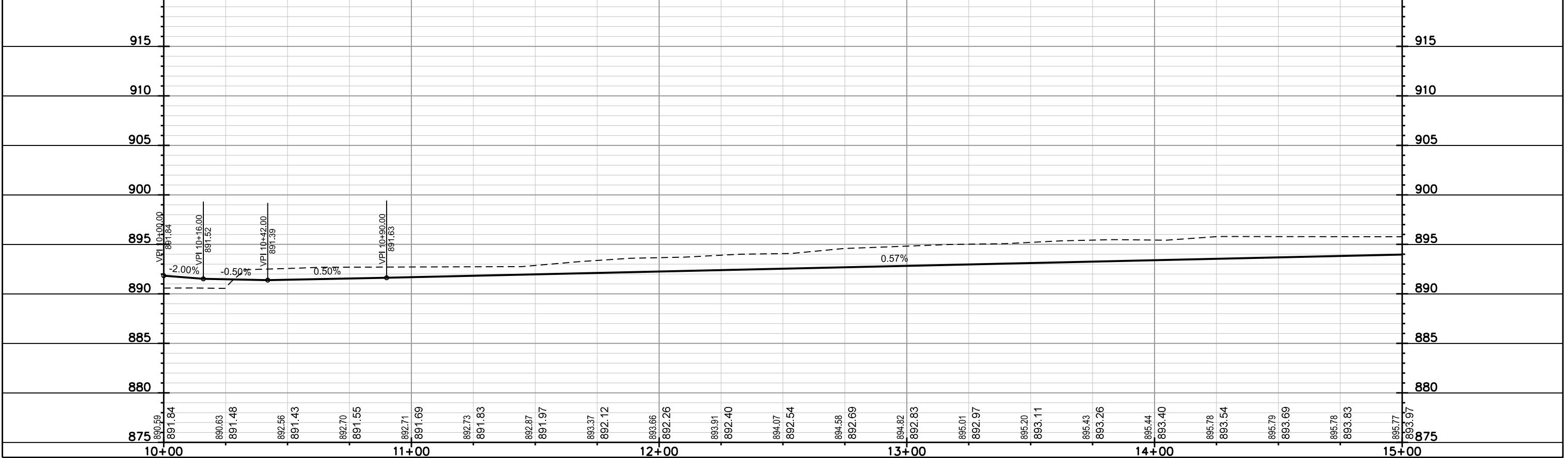
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**NOTES:**  
 \* INSTALL GRADE BREAK IN RAMP AT TOP OF DETECTABLE WARNING FIELD



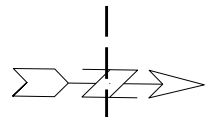
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PLOT NAME:

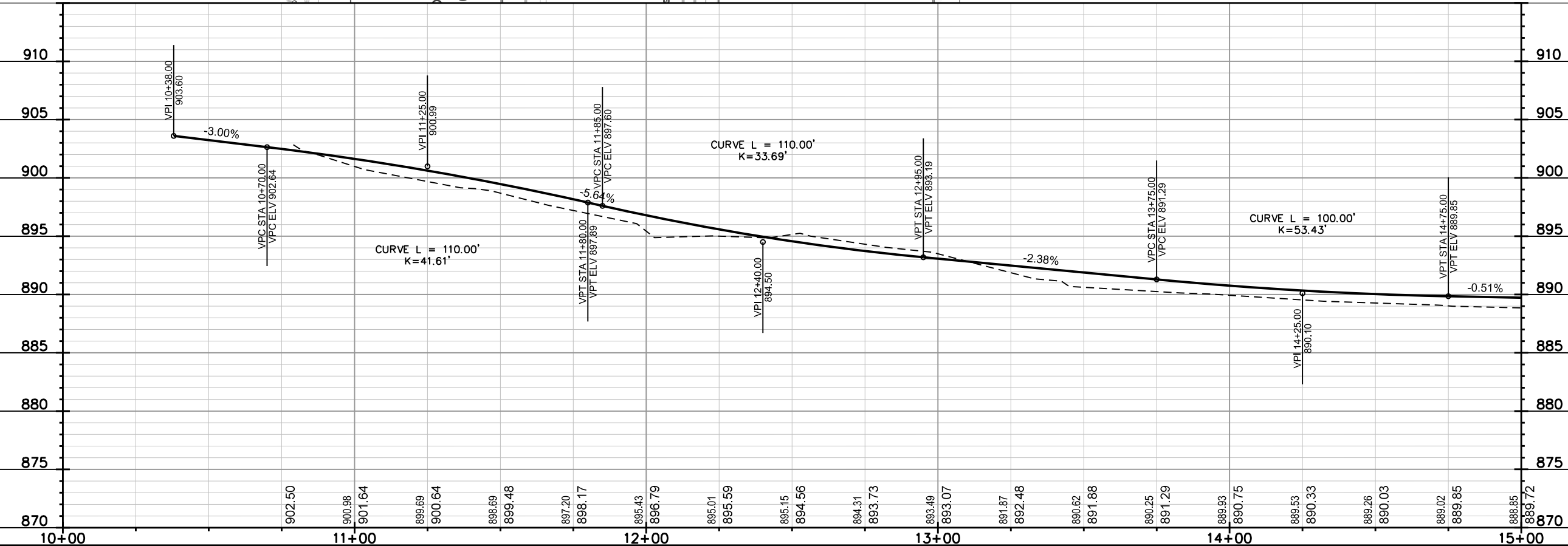
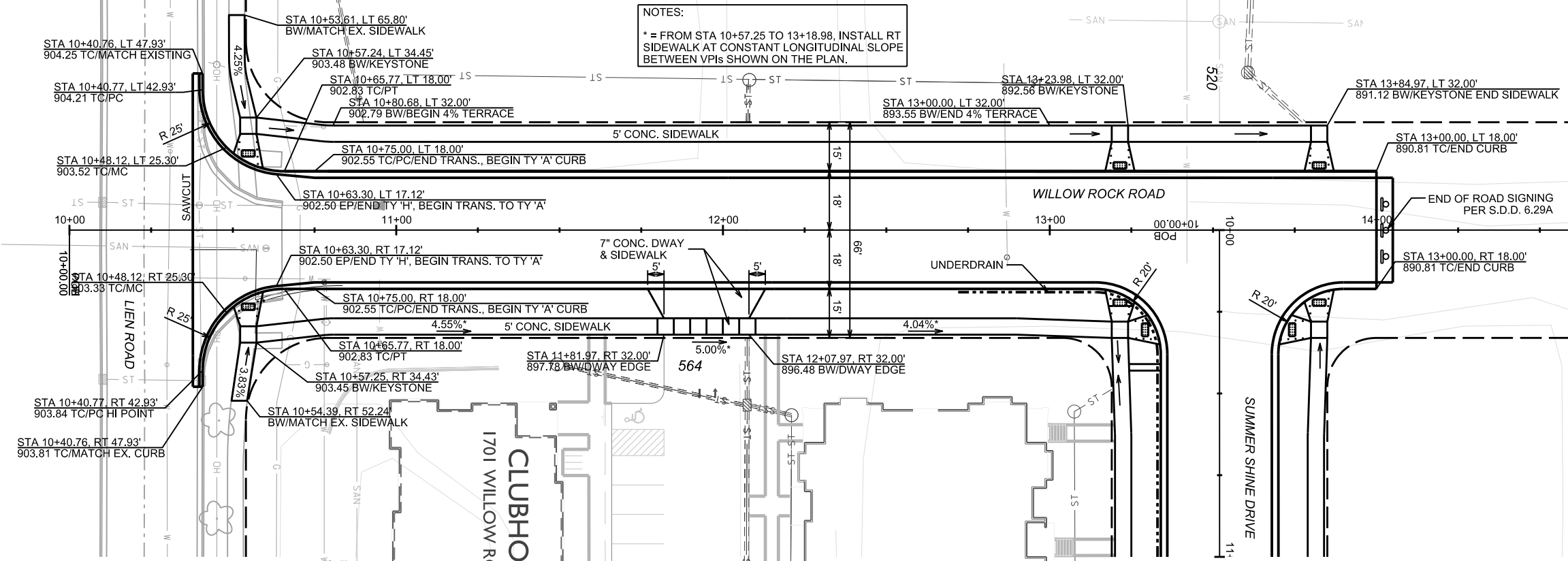
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
WILLOW ROCK RD. CITY OF MADISON



NOTES:  
\* = FROM STA 10+57.25 TO 13+18.98, INSTALL RT SIDEWALK AT CONSTANT LONGITUDINAL SLOPE BETWEEN VPIs SHOWN ON THE PLAN.



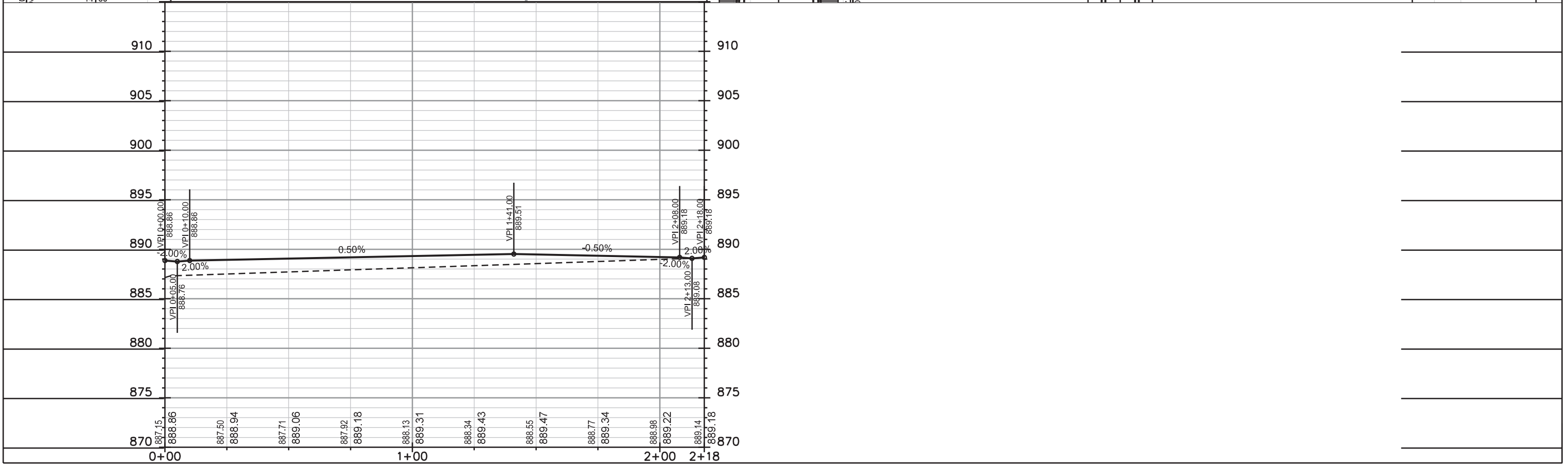
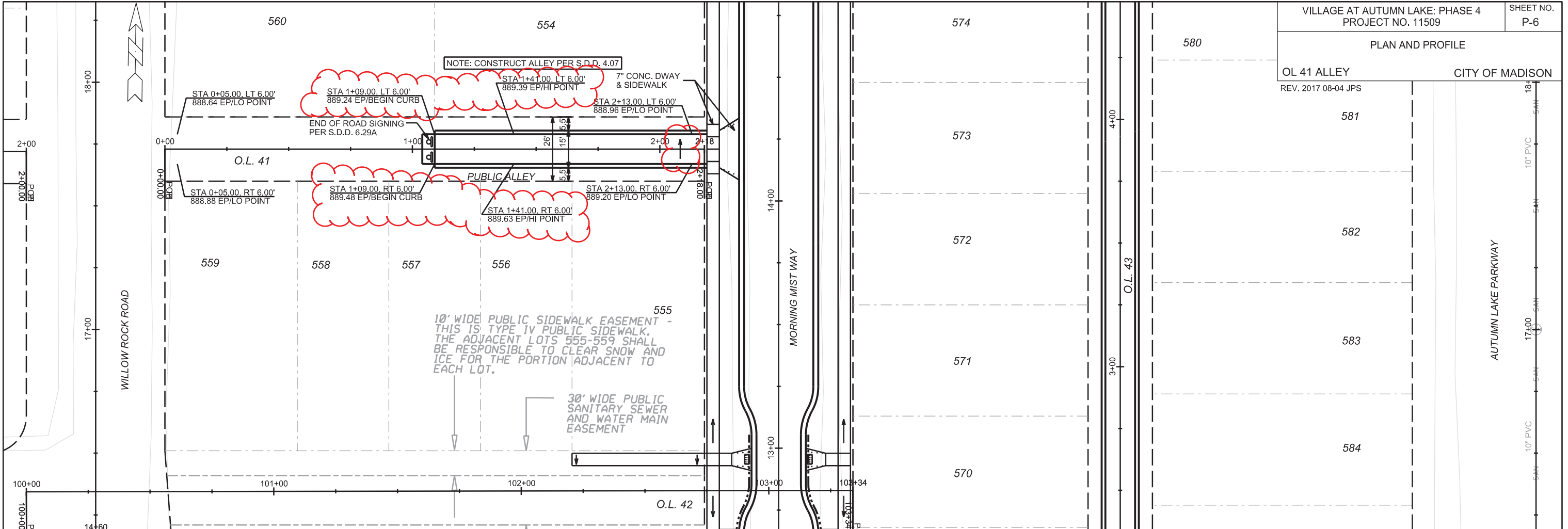
PLOT SCALE:  
PLOT NAME:  
REV. DATE:  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

OL 41 ALLEY CITY OF MADISON

REV. 2017 08-04 JPS



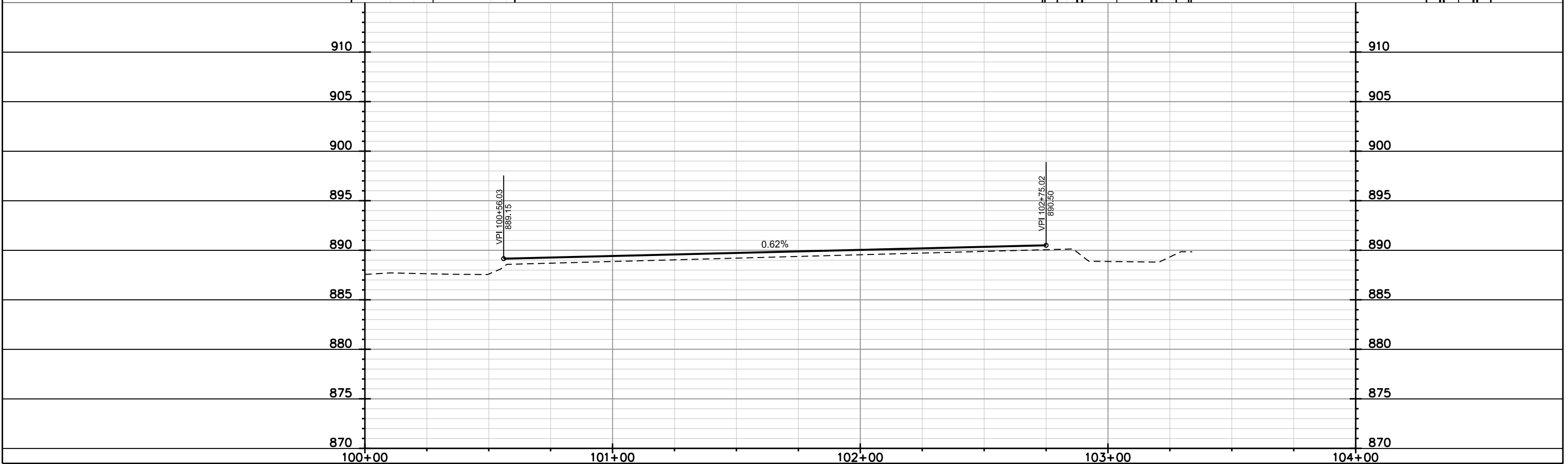
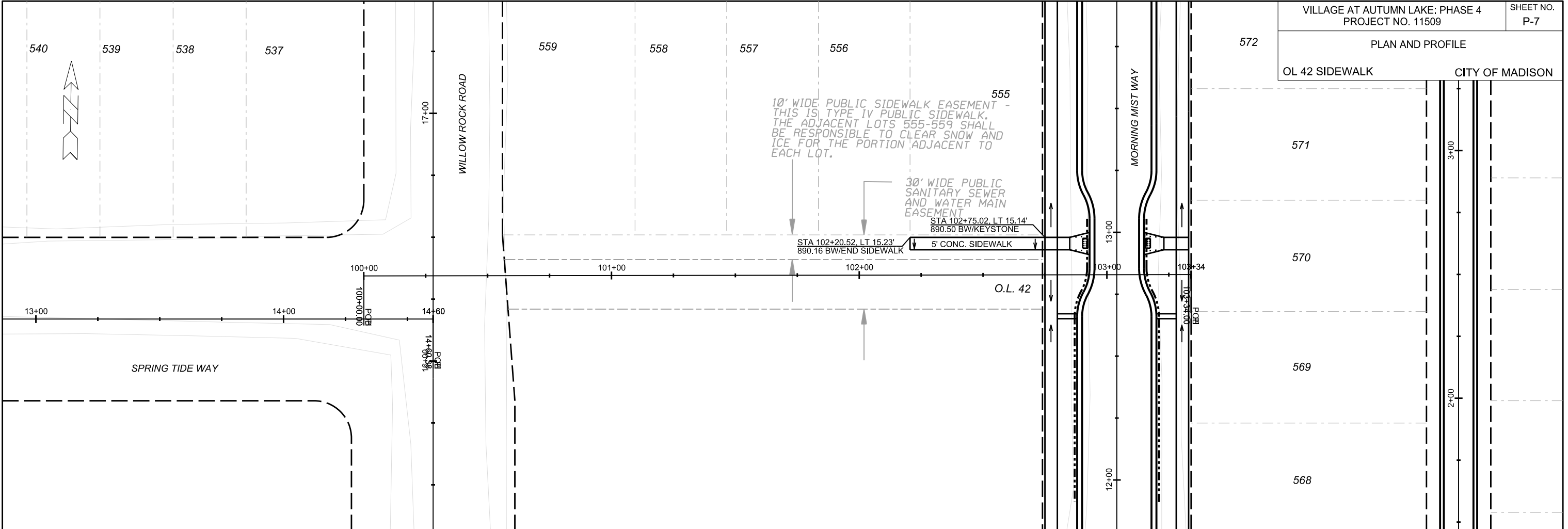
PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

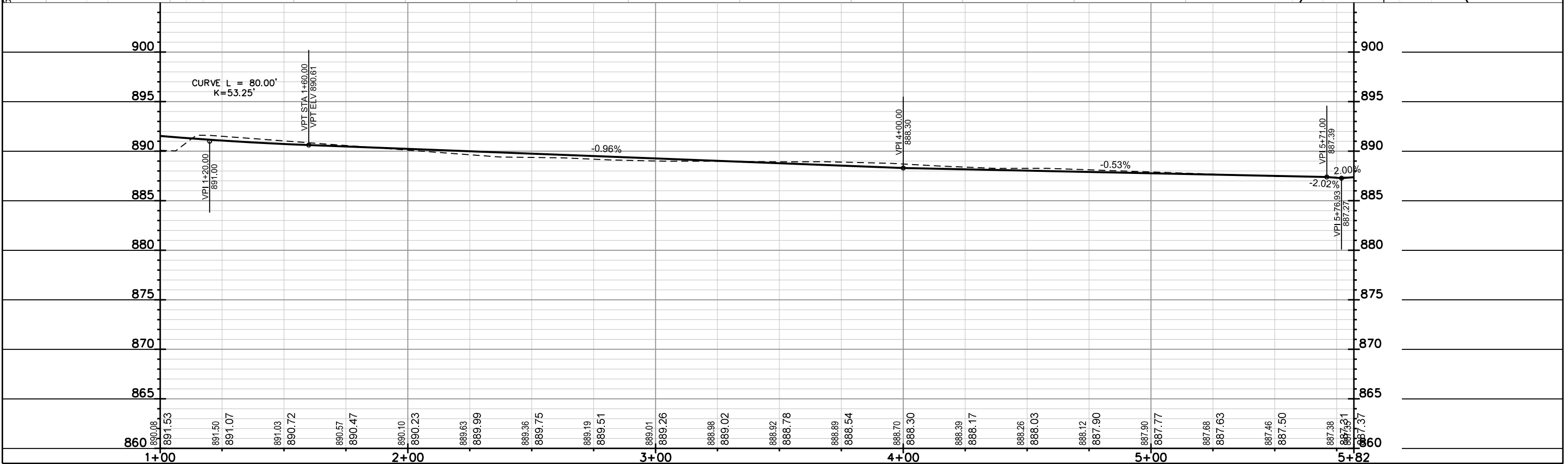
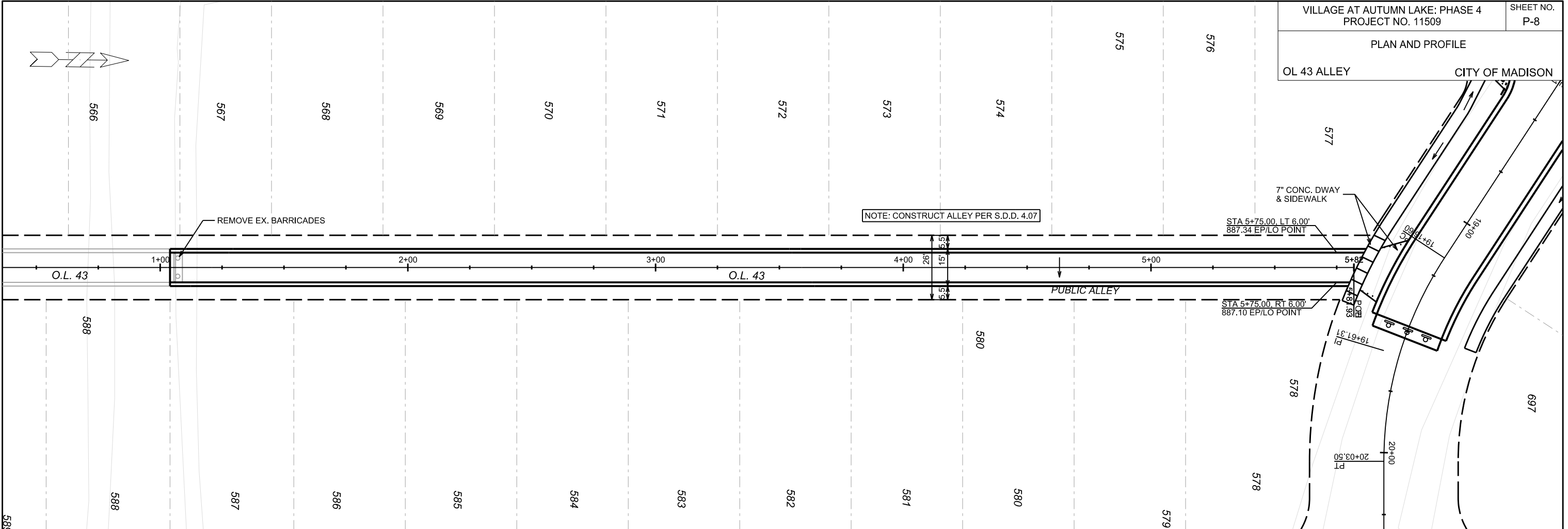
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
OL 42 SIDEWALK CITY OF MADISON



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

PLAN AND PROFILE  
OL 43 ALLEY CITY OF MADISON



PLOT SCALE:

PLOT NAME:

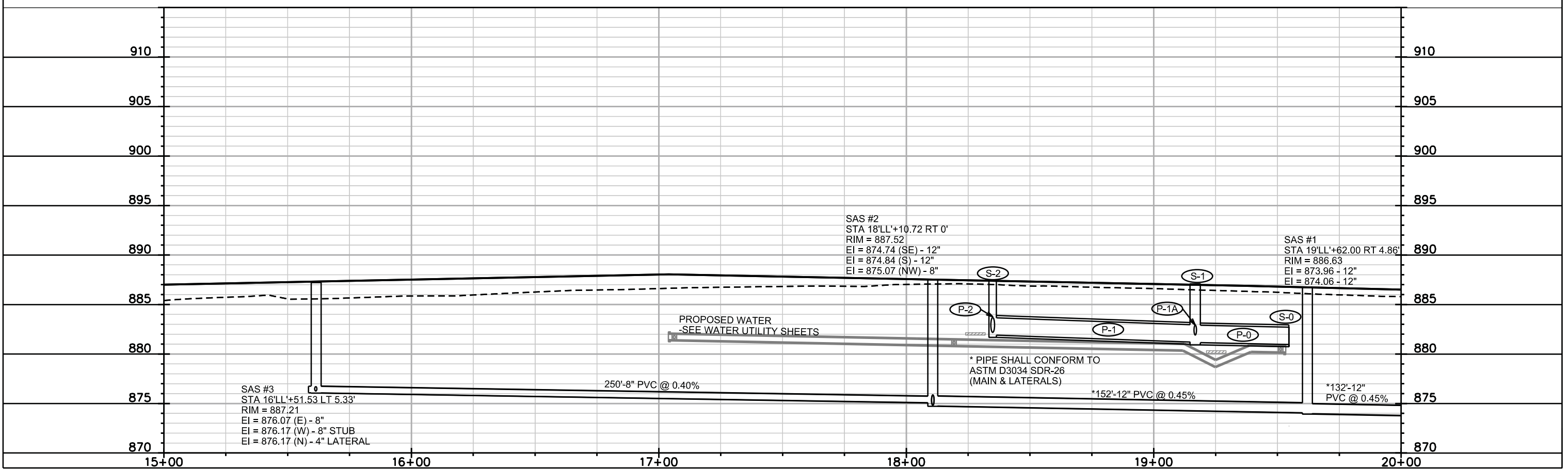
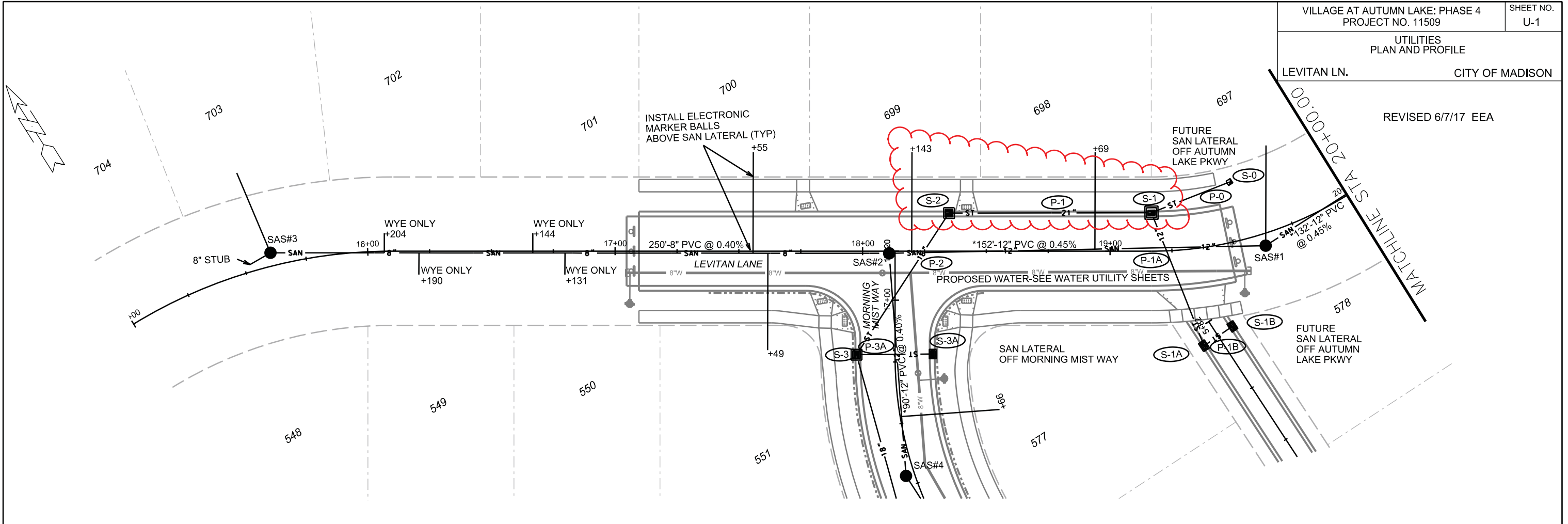
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES  
PLAN AND PROFILE

LEVITAN LN. CITY OF MADISON

REVISED 6/7/17 EEA

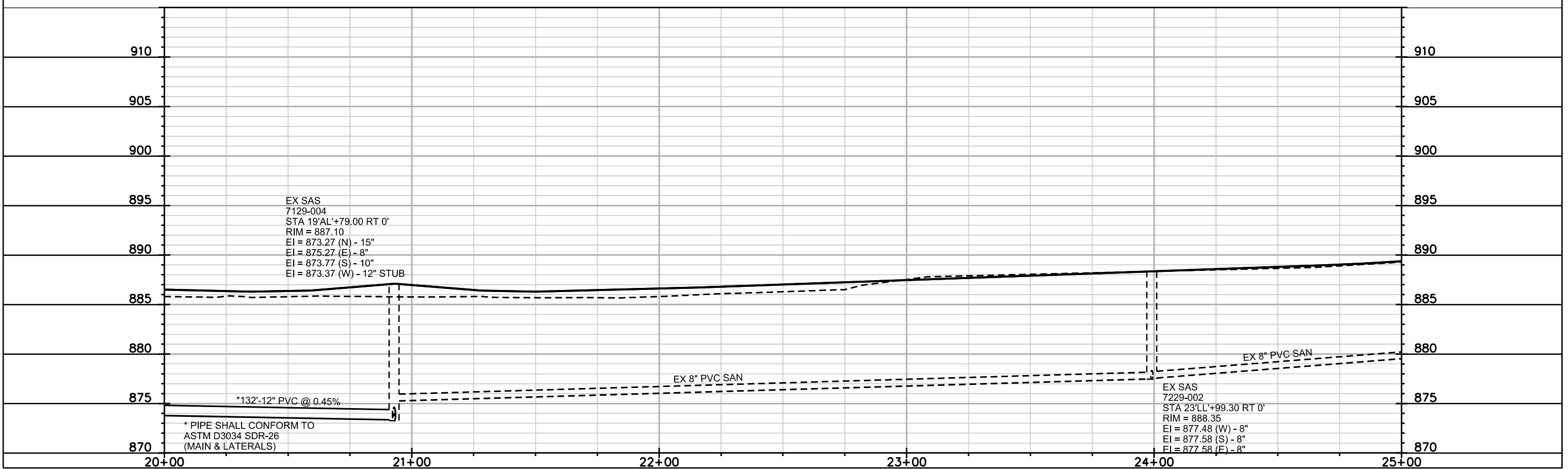
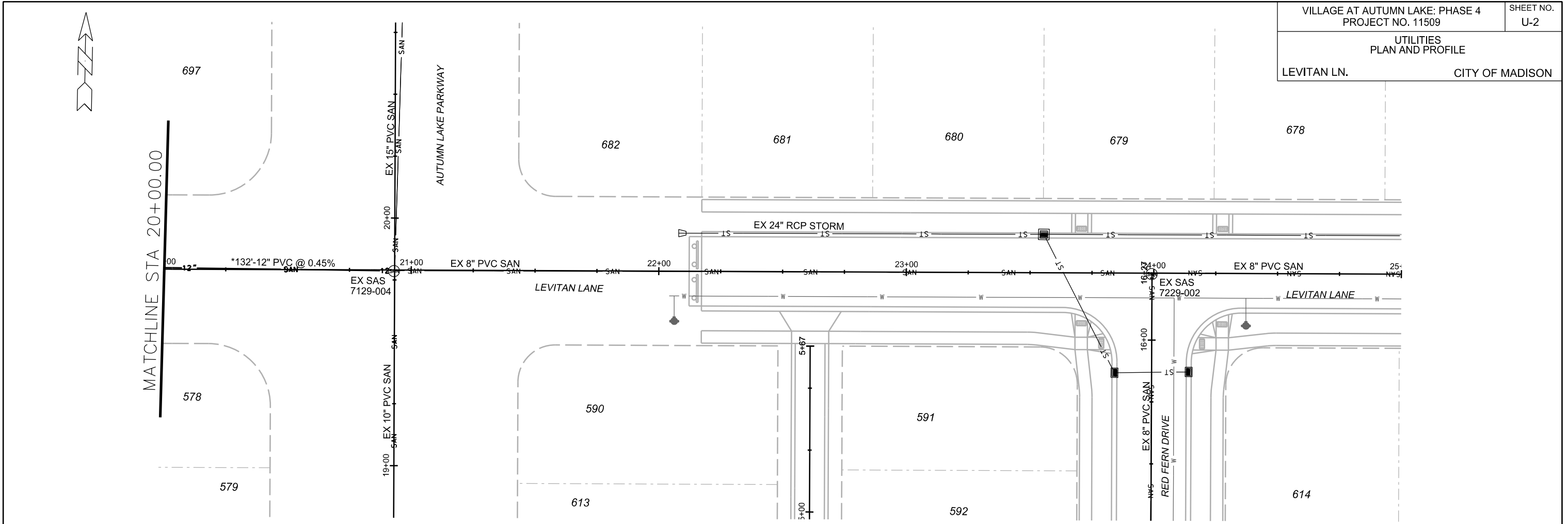


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



EX SAS  
7129-004  
STA 19+AL'+79.00 RT 0'  
RIM = 887.10  
EI = 873.27 (N) - 15"  
EI = 875.27 (E) - 8"  
EI = 873.77 (S) - 10"  
EI = 873.37 (W) - 12" STUB

EX SAS  
7229-002  
STA 23'LL'+99.30 RT 0'  
RIM = 888.35  
EI = 877.48 (W) - 8"  
EI = 877.58 (S) - 8"  
EI = 877.58 (E) - 8"

\* PIPE SHALL CONFORM TO  
ASTM D3034 SDR-26  
(MAIN & LATERALS)

PLOT SCALE: \_\_\_\_\_

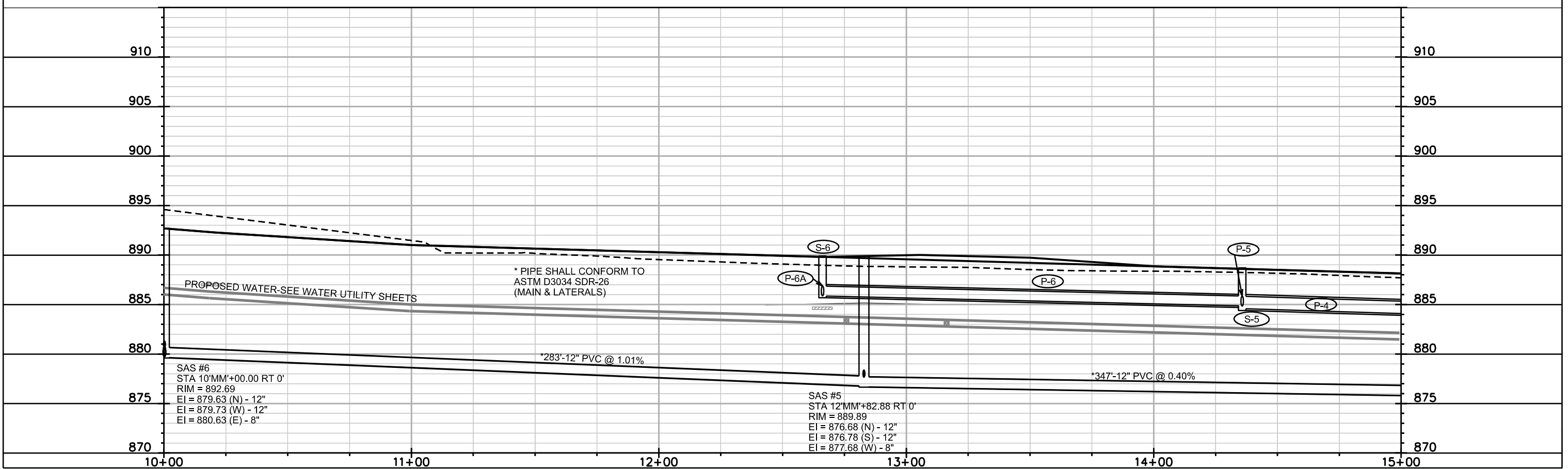
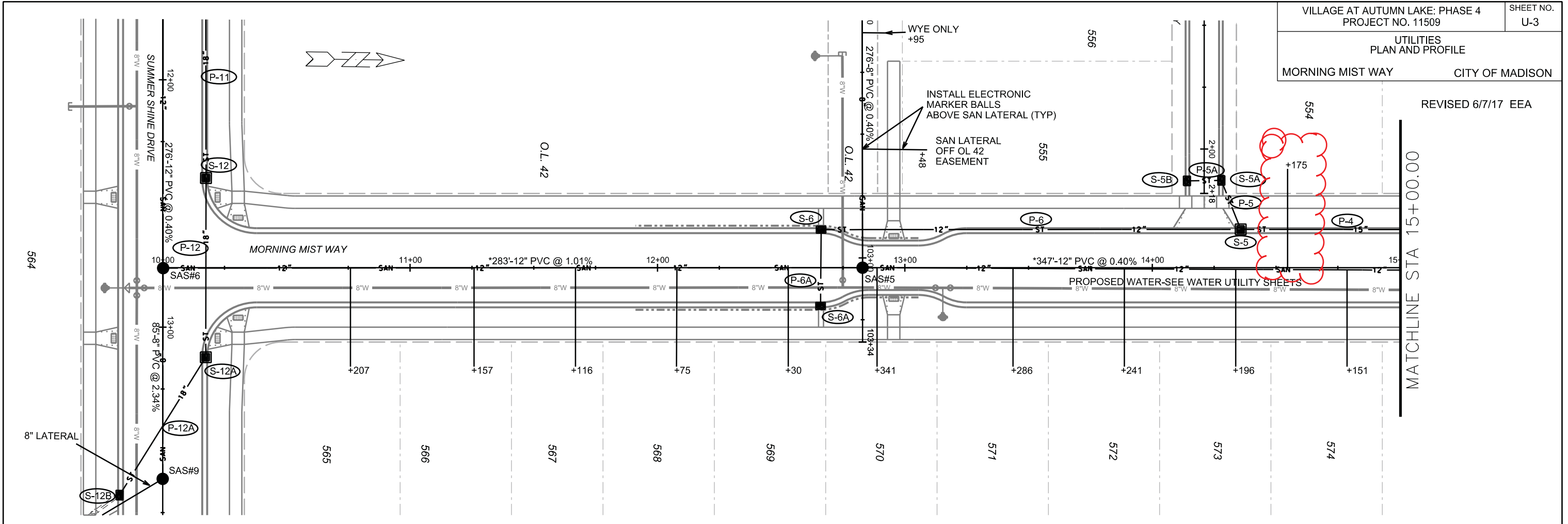
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES  
PLAN AND PROFILE  
MORNING MIST WAY CITY OF MADISON

REVISED 6/7/17 EEA



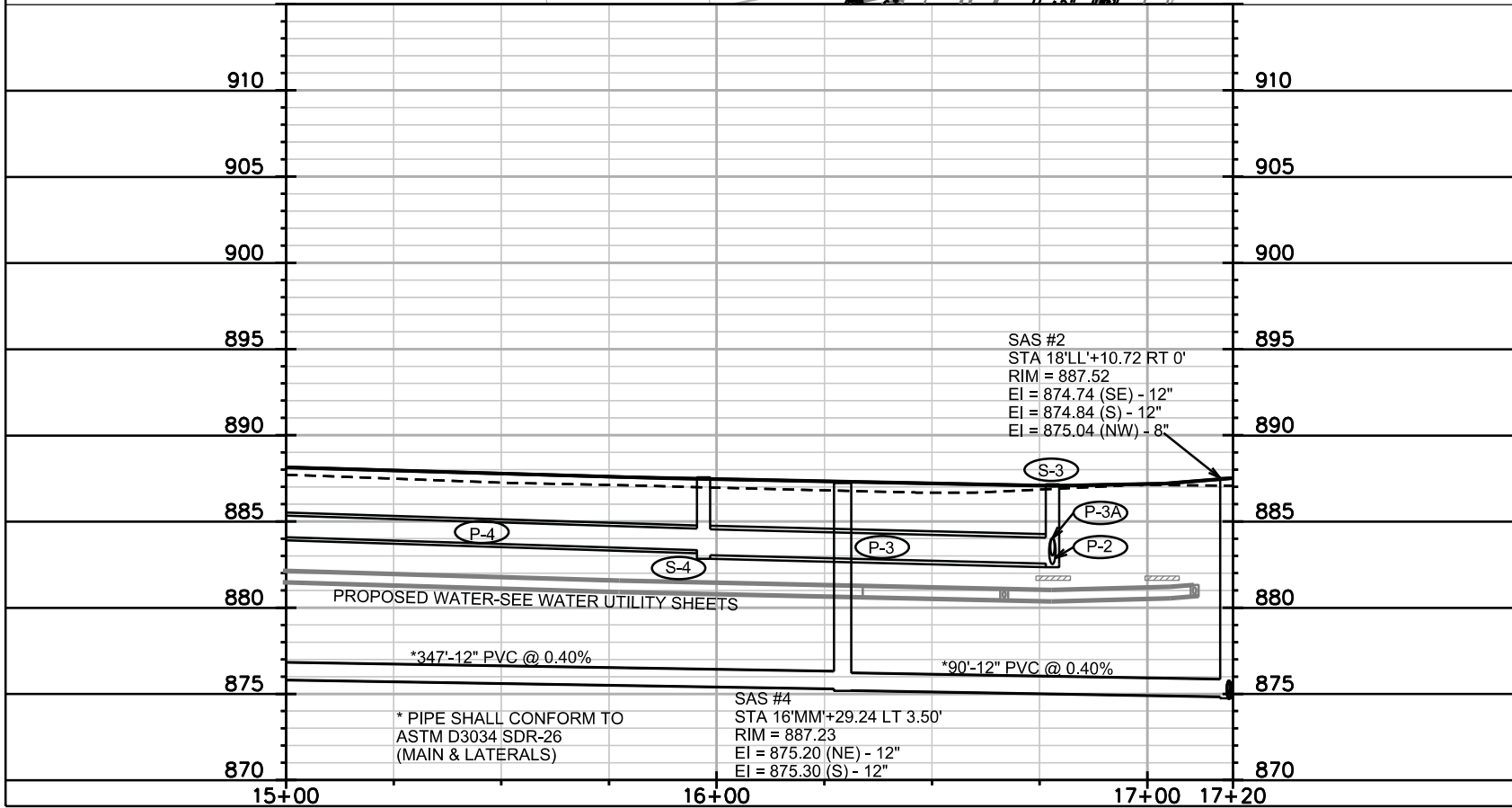
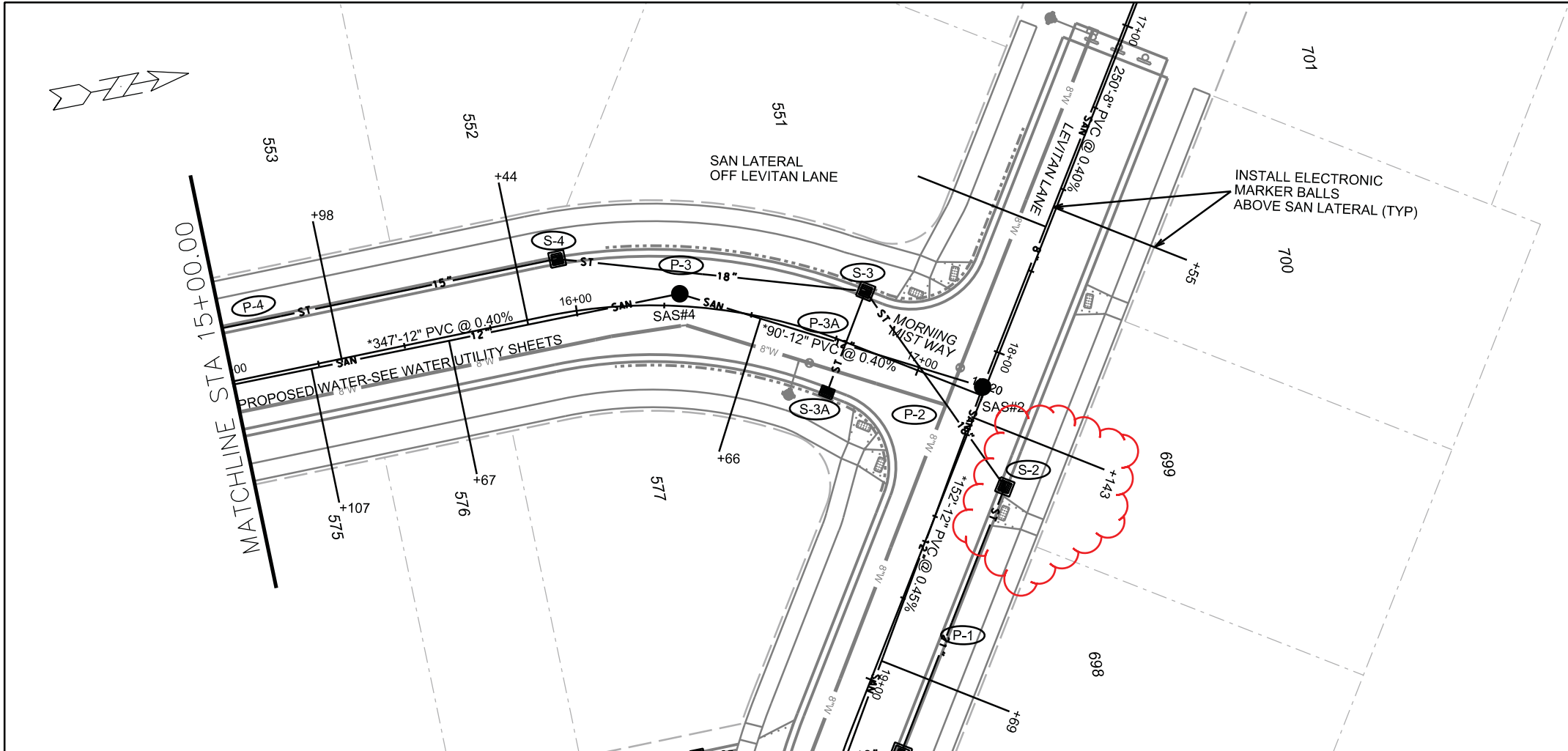
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 6/7/17 EEA

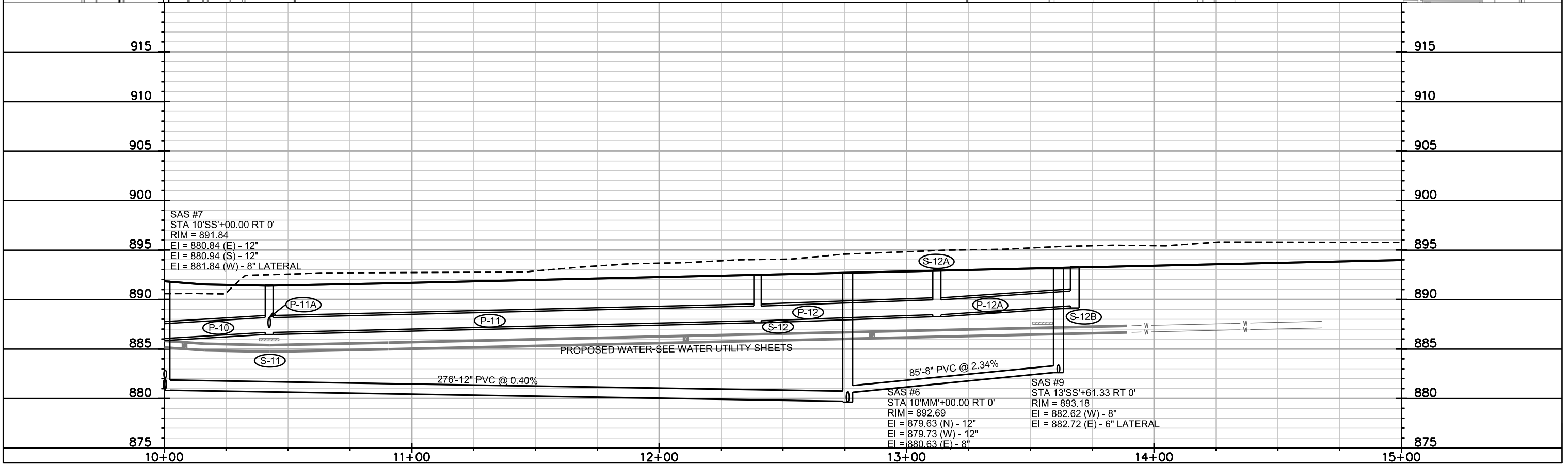
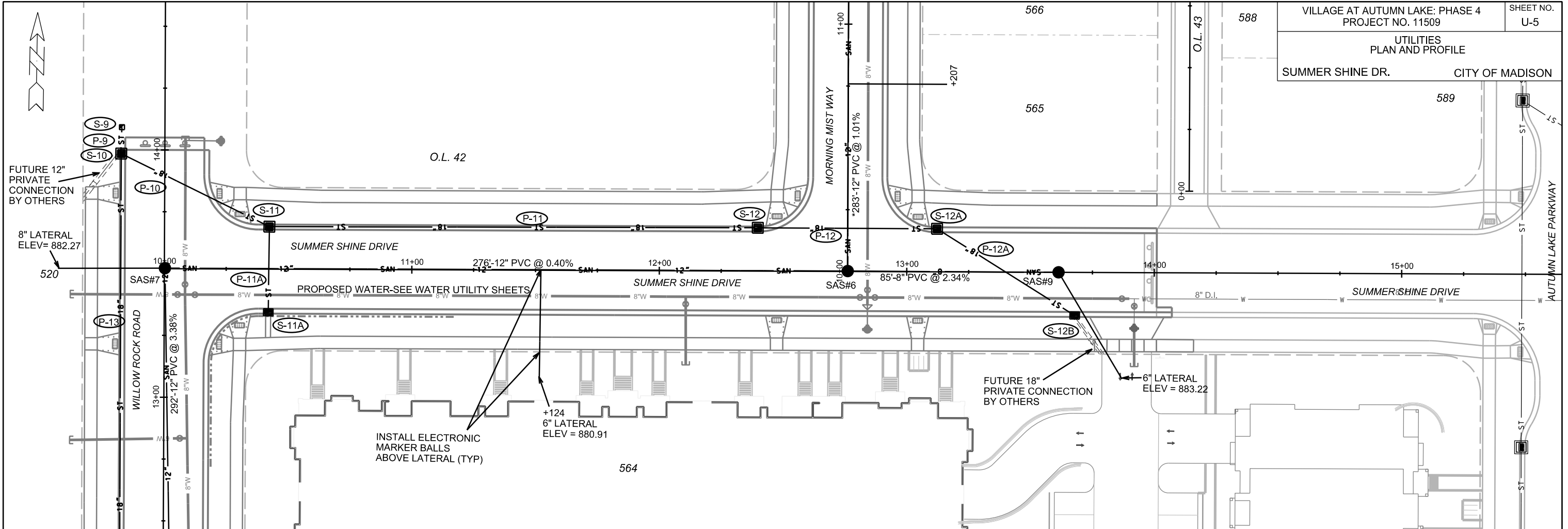


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: \_\_\_\_\_

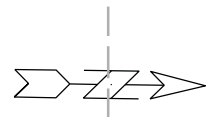
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



REVISED 6/7/17 EEA  
 REVISED 7/21/17 EEA

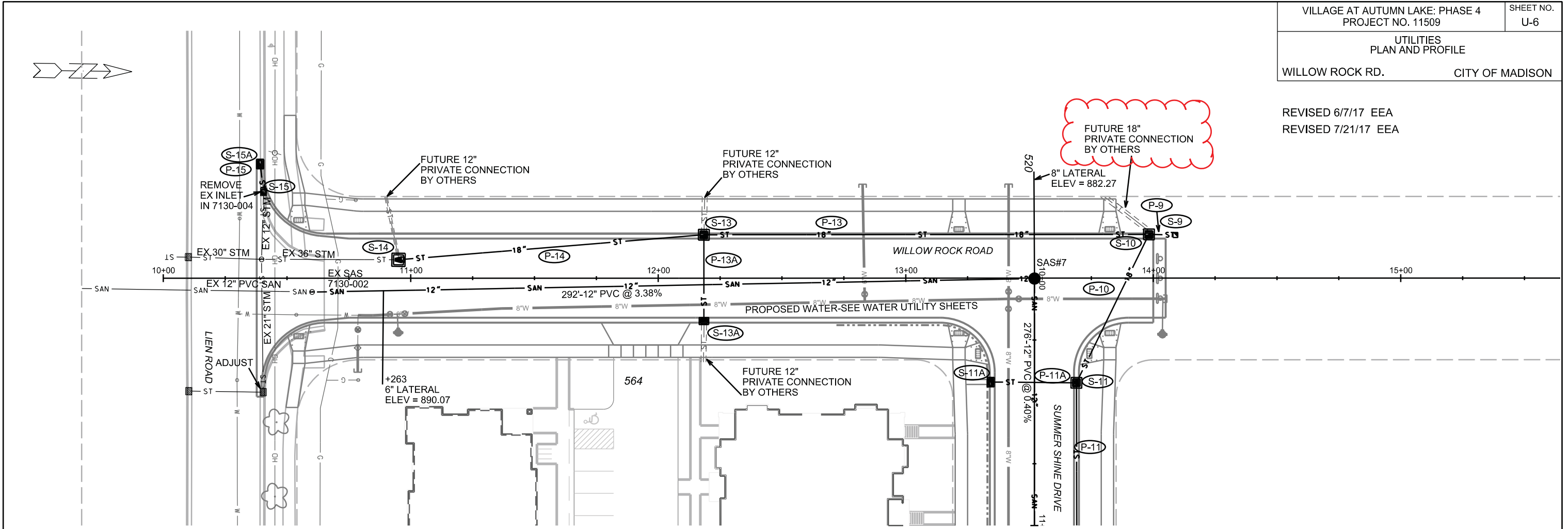


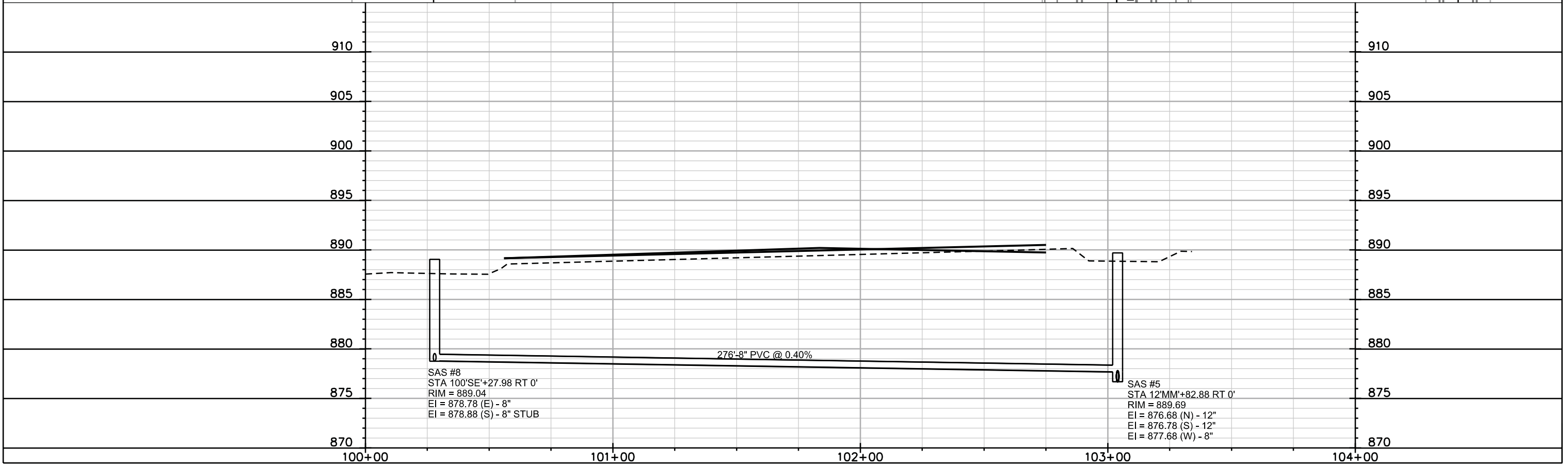
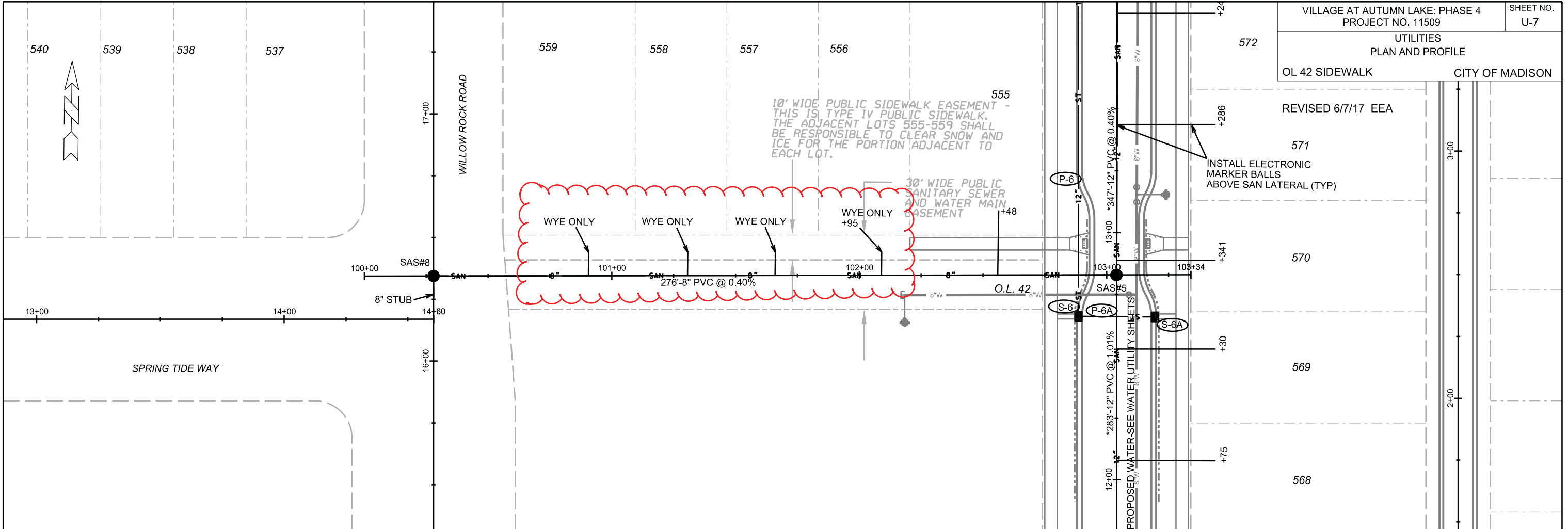
PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





SAS #8  
 STA 100'SE+27.98 RT 0'  
 RIM = 889.04  
 EI = 878.78 (E) - 8"  
 EI = 878.88 (S) - 8" STUB

SAS #5  
 STA 12'MM+82.88 RT 0'  
 RIM = 889.69  
 EI = 876.68 (N) - 12"  
 EI = 876.78 (S) - 12"  
 EI = 877.68 (W) - 8"

10' WIDE PUBLIC SIDEWALK EASEMENT - THIS IS TYPE IV PUBLIC SIDEWALK. THE ADJACENT LOTS 555-559 SHALL BE RESPONSIBLE TO CLEAR SNOW AND ICE FOR THE PORTION ADJACENT TO EACH LOT.

30' WIDE PUBLIC SANITARY SEWER AND WATER MAIN EASEMENT

REVISED 6/7/17 EEA  
 INSTALL ELECTRONIC MARKER BALLS ABOVE SAN LATERAL (TYP)

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SCHEDULE

## ALIGNMENT CODES:

"LL" = LEVITAN LANE  
 "MM" = MORNING MIST WAY  
 "SS" = SUMMER SHINE LANE  
 "SE" = SANITARY EASEMENT

VILLAGE AT AUTUMN LAKE PHASE 4 PROJECT NO. 11509	SHEET NO. U-8
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

### PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	19'LL'+62.00	RT-4.86	886.63	873.96	12.67	-
SAS#2	18'LL'+10.72	CL	887.52	874.74	12.78	-
SAS#3	16'LL'+51.53	LT-5.33	887.21	876.07	11.14	-
SAS#4	16'MM'+29.24	LT-3.50	887.23	875.20	12.03	-
SAS#5	12'MM'+82.88	CL	889.89	876.68	13.21	-
SAS#6	10'MM'+00.00	CL	892.69	879.63	13.06	-
SAS#7	10'SS'+00.00	CL	891.84	880.84	11.00	-
SAS#8	100'SE'+27.98	CL	889.04	878.78	10.26	-
SAS#9	13'SS'+61.33	CL	893.18	882.62	10.56	-

### PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX SAS 7129-004	SAS#1	873.37	873.96	132	0.45%	12"	SDR-26	-
SAS#1	SAS#2	874.06	874.74	152	0.45%	12"	SDR-26	-
SAS#2	SAS#3	875.07	876.07	250	0.40%	8"	SDR-35	-
SAS#2	SAS#4	874.84	875.20	90	0.40%	12"	SDR-26	-
SAS#4	SAS#5	875.30	876.68	347	0.40%	12"	SDR-26	-
SAS#5	SAS#6	876.78	879.63	283	1.01%	12"	SDR-26	-
SAS#6	SAS#7	879.73	880.84	276	0.40%	12"	SDR-35	-
SAS#7	EX SAS 7130-002	880.94	890.80	292	3.38%	12"	SDR-35	-
SAS#5	SAS#8	877.68	878.78	276	0.40%	8"	SDR-35	-
SAS#6	SAS#9	880.63	882.62	85	2.34%	8"	SDR-35	-

REV. DATE: ---  
 PLOT NAME: ---  
 PLOT SCALE: ---

# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

'LL' = LEVITAN LANE  
'MM' = MORNING MIST WAY  
'SS' = SUMMER SHINE DRIVE  
'WR' = WILLOW ROCK ROAD  
'OL' = OUTLOT 43  
'OM' = OUTLOT 41

\* REVISED 6/7/17 EEA  
+ REVISED 7/21/17 EEA

VILLAGE AT AUTUMN LAKE PHASE 4	SHEET NO.
PROJECT NO. 11509	U-9
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	19+54.62	LT-23.91	PIPE END	-	880.93	-	-
S-1	19'LL'+16.75	LT-15.50	4X4 SAS	887.09	881.17	5.92	W/ R-3067-7004-VB
S-1A	5'OL'+75.00	LT-6.00	H INLET	887.34	883.74	3.60	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-1B	5'OL'+75.00	RT-6.00	H INLET	887.10	883.82	3.28	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
* S-2	18'LL'+34.92	LT-15.50	3X3 SAS	887.50	881.93	5.57	W/ R-3067-7004-VB
S-3	16'MM'+78.00	LT-15.50	3X3 SAS	887.15	882.53	4.62	LP; W/ R-3067-7004-V; (1)
S-3A	16'MM'+78.00	RT-15.50	H INLET	887.15	883.55	3.60	LP; W/ R-3067-7004-V; (1)
S-4	15'MM'+96.96	LT-15.50	3X3 SAS	887.56	883.06	4.50	W/ R-3067-7004-VB
S-5	14'MM'+35.72	LT-15.50	3X3 SAS	888.70	884.60	4.10	W/ R-3067-7004-VB
S-5A	2'OM'+13.00	LT-6.00	H INLET	888.96	885.16	3.80	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-5B	2'OM'+13.00	RT-6.00	H INLET	889.20	885.80	3.40	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-6	12'MM'+66.11	LT-15.50	H INLET	889.90	885.87	4.03	LP; W/ R-3067-7004-V; (1)
S-6A	12'MM'+66.11	RT-15.50	H INLET	889.90	886.05	3.85	LP; W/ R-3067-7004-V; (1)
S-9	14'WR'+09.00	LT-17.17	PIPE END	-	885.69	-	-
S-10	13'WR'+98.45	LT-17.50	3X3 SAS	890.81	885.81	5.00	FP; W/ R-3067-7004-VB; (4)
S-11	10'SS'+42.00	LT-17.50	3X3 SAS	891.45	886.67	4.78	W/ R-3067-7004-V
S-11A	10'SS'+42.00	RT-17.50	H INLET	891.45	887.85	3.60	LP; W/ R-3067-7004-V; (1)
S-12	12'SS'+39.75	LT-17.50	3X3 SAS	892.55	887.84	4.71	W/ R-3067-7004-VB
S-12A	13'SS'+12.17	RT-17.50	3X3 SAS	892.96	888.46	4.50	W/ R-3067-7004-VB
S-12B	13'SS'+67.92	RT-17.50	3X3 SAS	893.28	889.35	3.93	W/ R-3067-7004-VB; (2)
* S-13	12'WR'+18.53	LT-17.50	3X3 SAS	895.94	891.60	4.34	W/ R-3067-7004-VB; (3)
* S-13A	12'WR'+18.57	RT-17.50	H INLET	895.94	892.28	3.66	W/ R-3067-7004-VB
S-14	10'WR'+95.11	LT-7.36	4X4 SAS	901.66	895.00	6.66	W/ R-1550; (4)
S-15	10'WR'+40.57	LT-34.74	CONCRETE COLLAR	-	900.48	-	-
S-15A	10'WR'+39.17	LT-46.03	H INLET	904.25	901.37	2.88	W/ R-3067-7004-VB

## 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-0	S-0	S-1	880.96	881.17	34	32	0.66%	21"	TYPE 2	-
* P-1	S-1	S-2	881.17	881.93	82	78	0.97%	21"	TYPE 2	-
P-1A	S-1	S-1A	881.92	883.74	58	54	3.37%	12"	TYPE 1	-
P-1B	S-1A	S-1B	883.74	883.82	14	12	0.67%	12"	TYPE 1	-
* P-2	S-2	S-3	882.18	882.53	68	65	0.54%	18"	TYPE 1	-
P-3	S-3	S-4	882.53	883.06	88	85	0.62%	18"	TYPE 1	-
P-3A	S-3	S-3A	883.03	883.55	31	28	1.86%	12"	TYPE 1	-
P-4	S-4	S-5	883.31	884.60	162	159	0.81%	15"	TYPE 2	-
P-5	S-5	S-5A	884.85	885.16	21	18	1.72%	12"	TYPE 2	-
P-5A	S-5A	S-5B	885.16	885.80	14	12	5.33%	12"	TYPE 1	-
P-6	S-5	S-6	884.85	885.87	170	167	0.61%	12"	TYPE 2	-
P-6A	S-6	S-6A	885.87	886.05	31	29	0.62%	12"	TYPE 1	-
+ P-9	S-9	S-10	885.69	885.81	11	9	1.33%	24"	TYPE 2	-
+ P-10	S-10	S-11	886.31	886.67	67	63	0.57%	18"	TYPE 1	-
P-11	S-11	S-12	886.67	887.84	197	194	0.60%	18"	TYPE 2	-
P-11A	S-11	S-11A	887.17	887.85	35	32	2.13%	12"	TYPE 1	-
P-12	S-12	S-12A	887.84	888.46	72	69	0.90%	18"	TYPE 1	-
P-12A	S-12A	S-12B	888.46	889.35	66	62	1.44%	18"	TYPE 2	-
+ * P-13	S-10	S-13	886.31	891.60	180	177	2.99%	18"	TYPE 2	-
* P-13A	S-13	S-13A	892.10	892.28	35	32	0.56%	12"	TYPE 1	-
* P-14	S-13	S-14	891.60	895.00	124	120	2.83%	18"	TYPE 1	-
P-15	S-15	S-15A	900.48	901.37	11	10	8.90%	12"	TYPE 1	-

## REMOVE STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
IN 7130-004	10'WR'+40.57	LT-34.74	H INLET	-

**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:

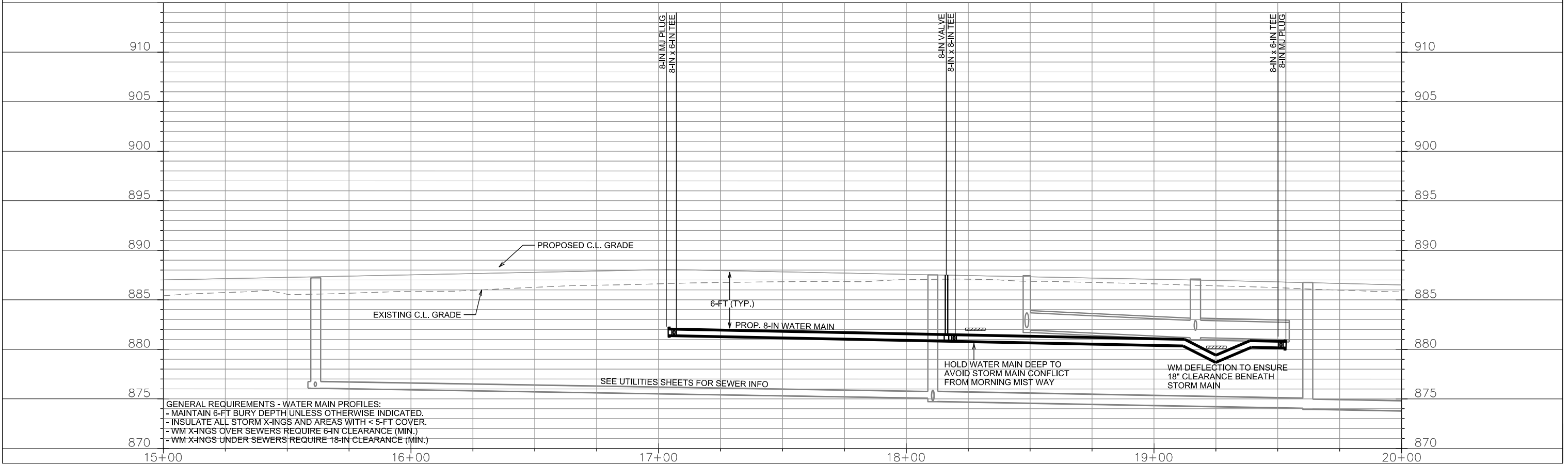
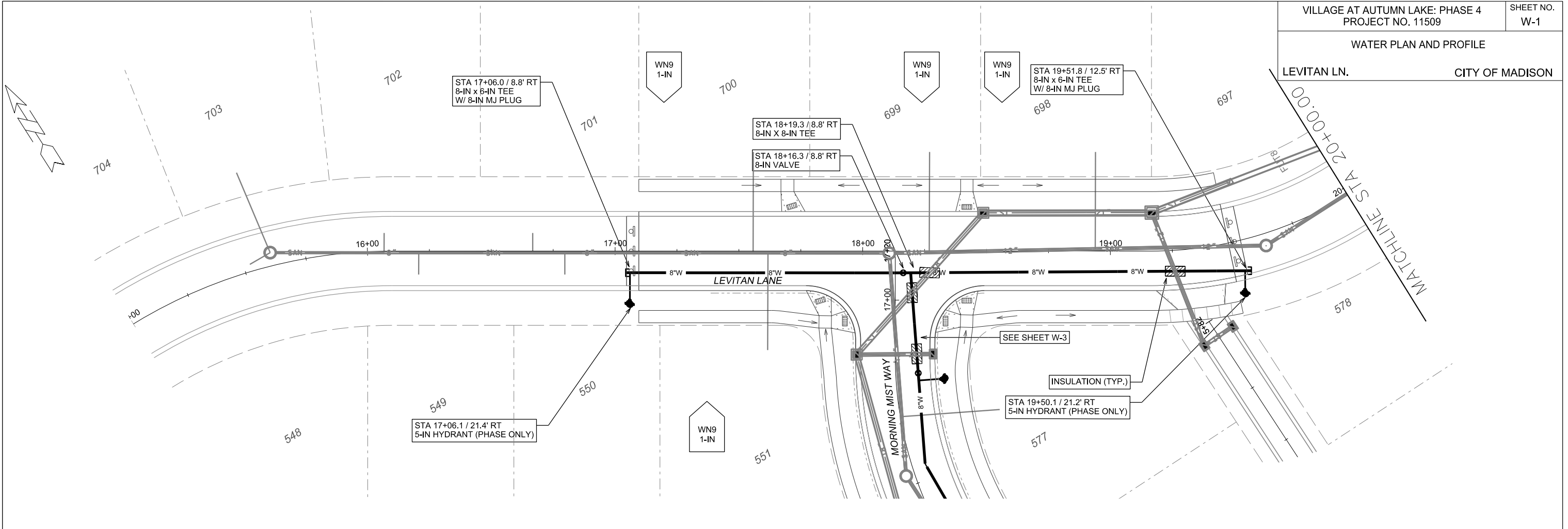
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = 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 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.

## SPECIFIC NOTES

- (1) SEE CITY OF MADISON SDD 5.7.7A
- (2) BOX OUT TO SOUTH FOR FUTURE PRIVATE 18" CONNECTION
- (3) BOX OUT TO EAST & WEST FOR FUTURE PRIVATE 12" CONNECTIONS
- (4) BOX OUT TO WEST FOR FUTURE PRIVATE 12" CONNECTION

WATER PLAN AND PROFILE

LEVITAN LN. CITY OF MADISON

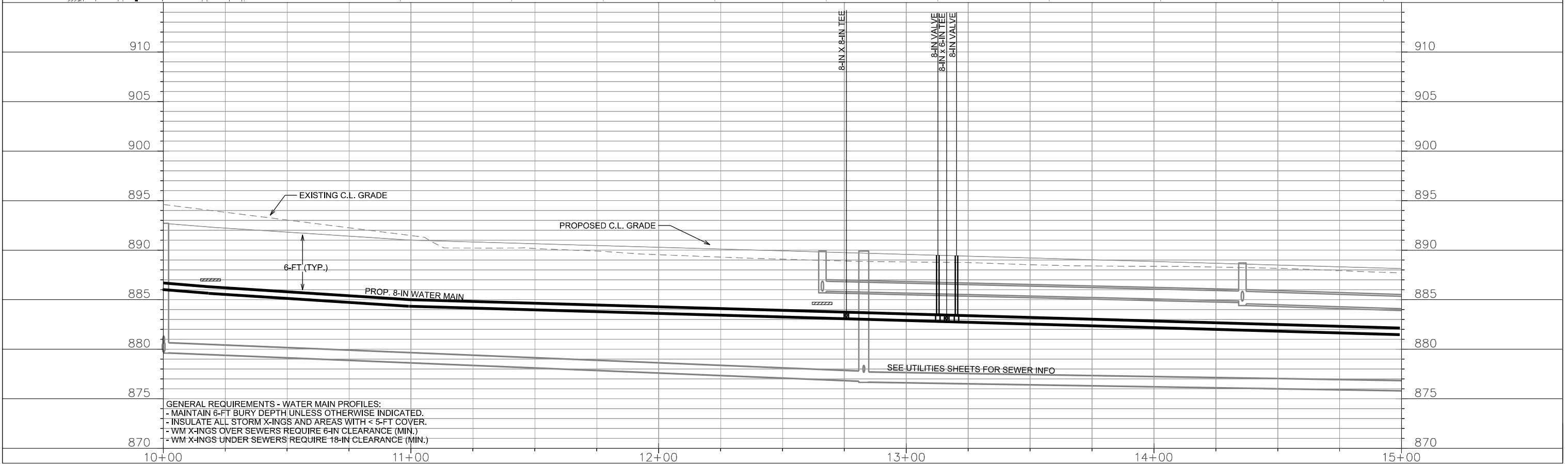
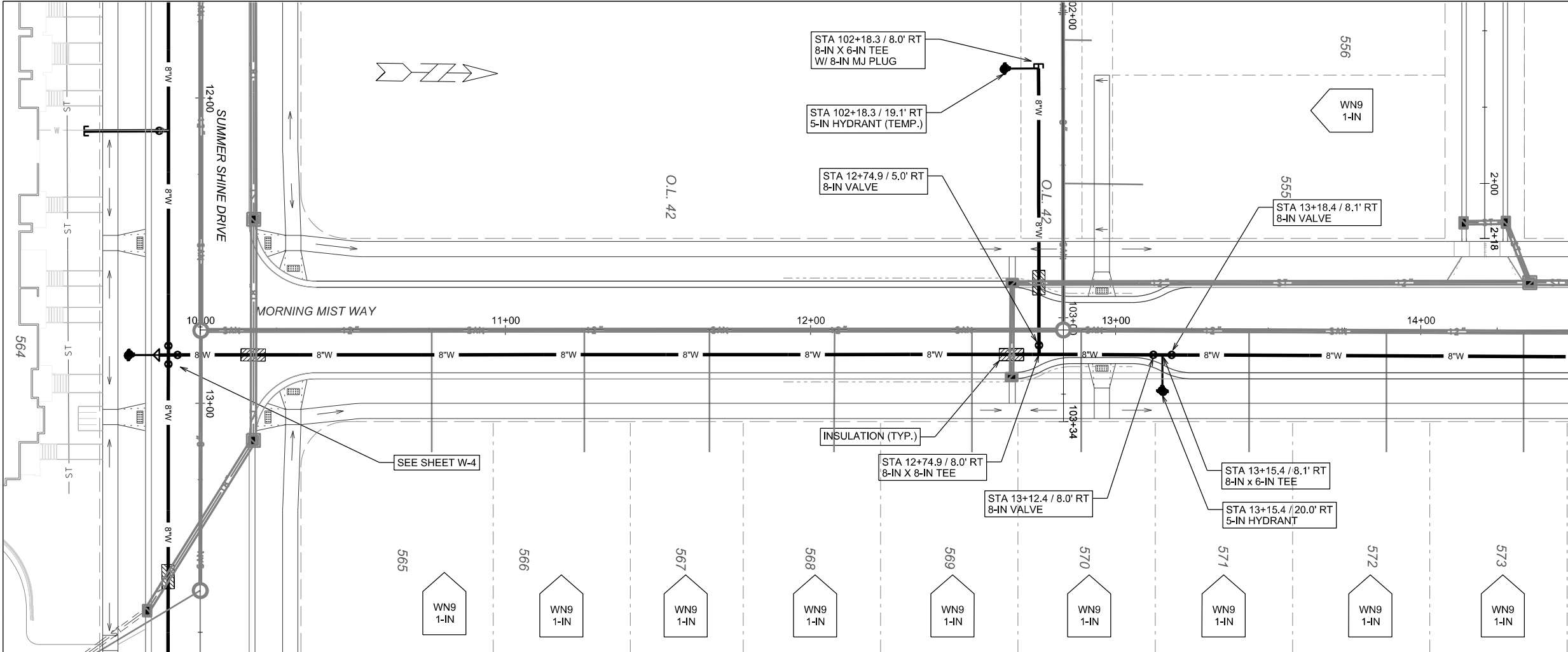


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

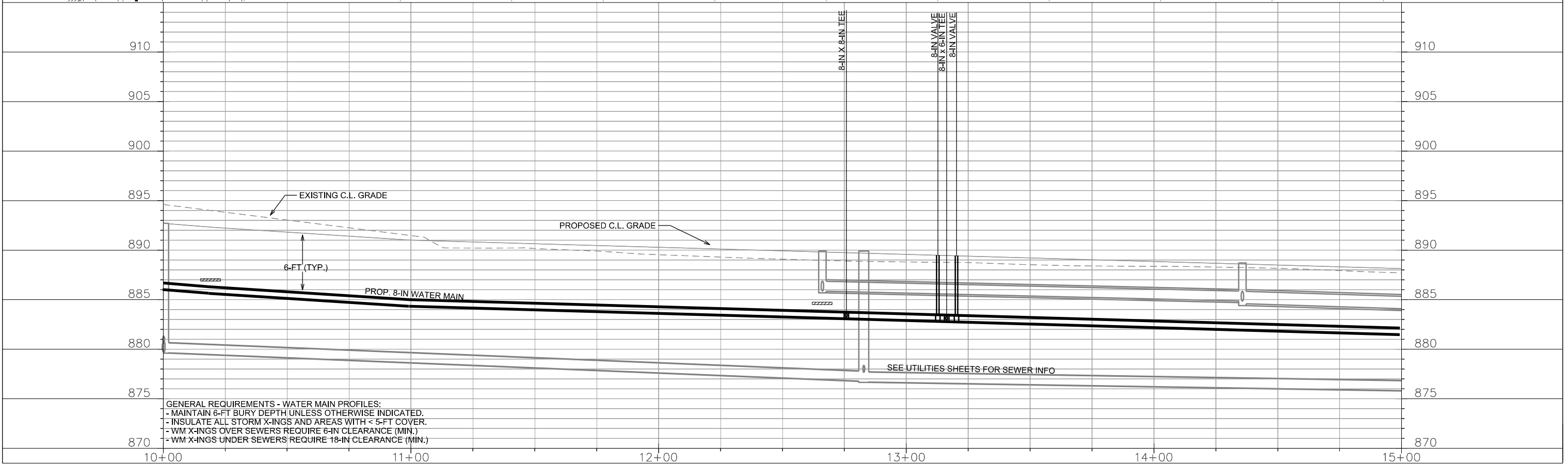
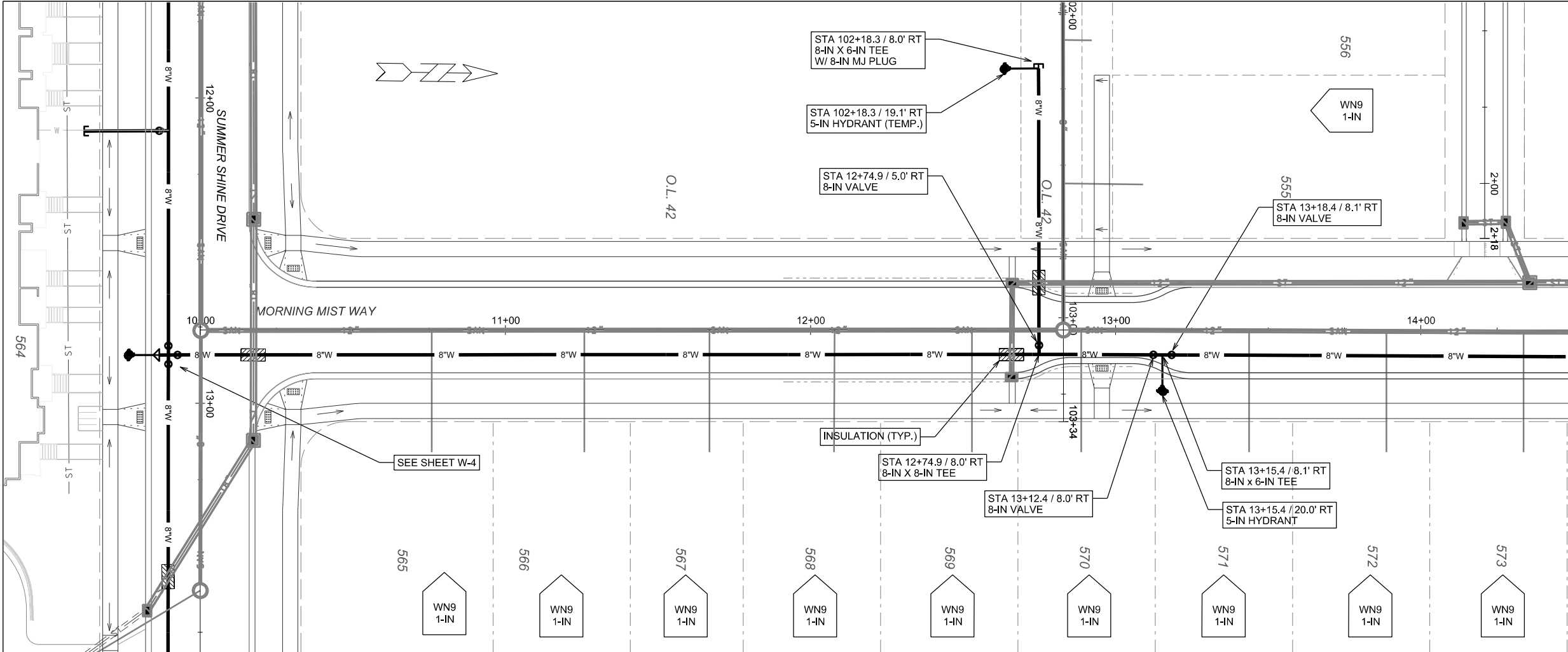


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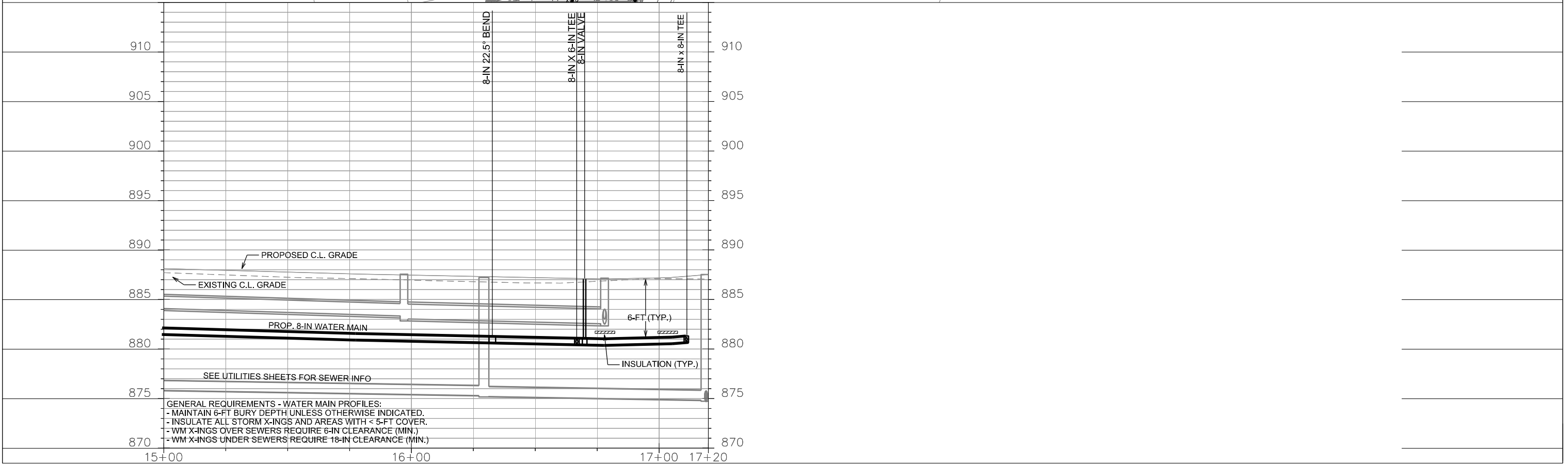
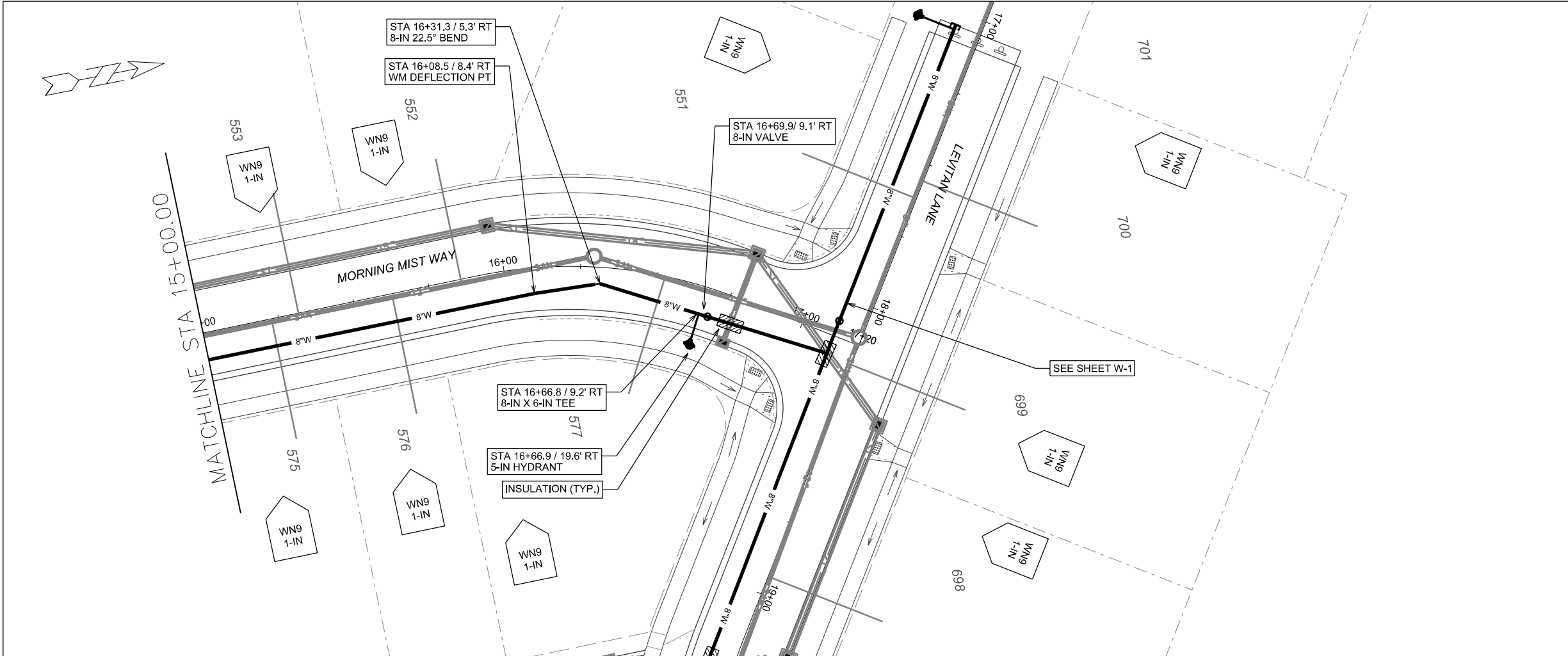
GENERAL REQUIREMENTS - WATER MAIN PROFILES:  
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.  
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.  
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)  
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE:

PLOT NAME:

REV. DATE:

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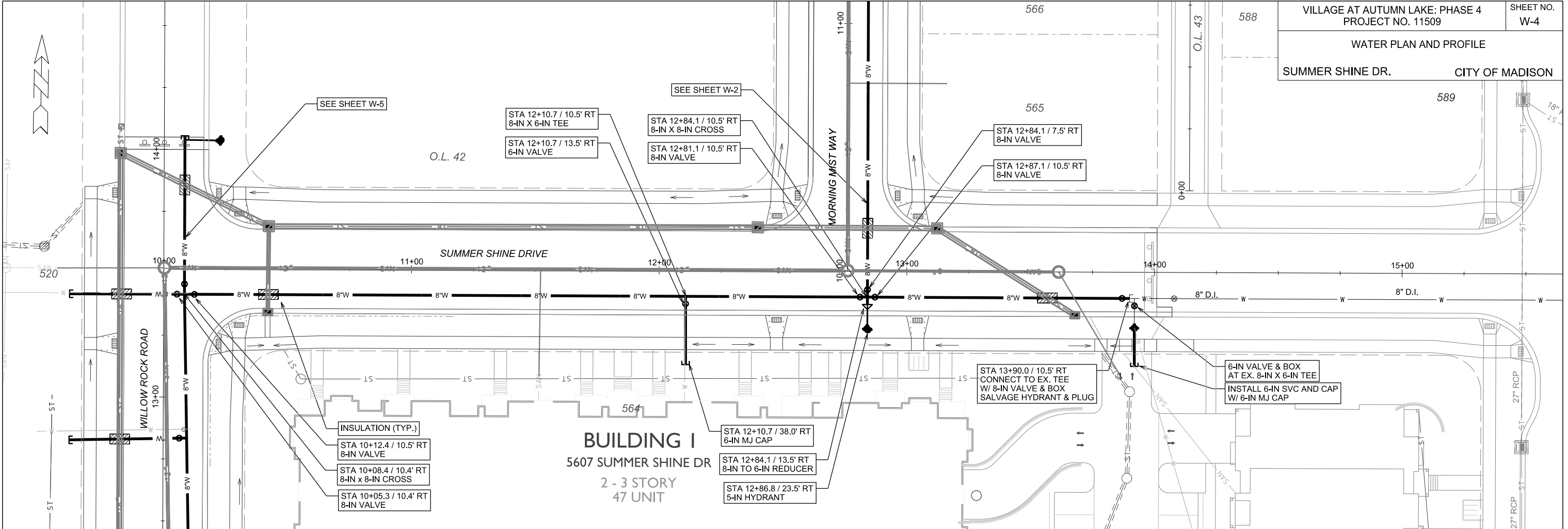
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

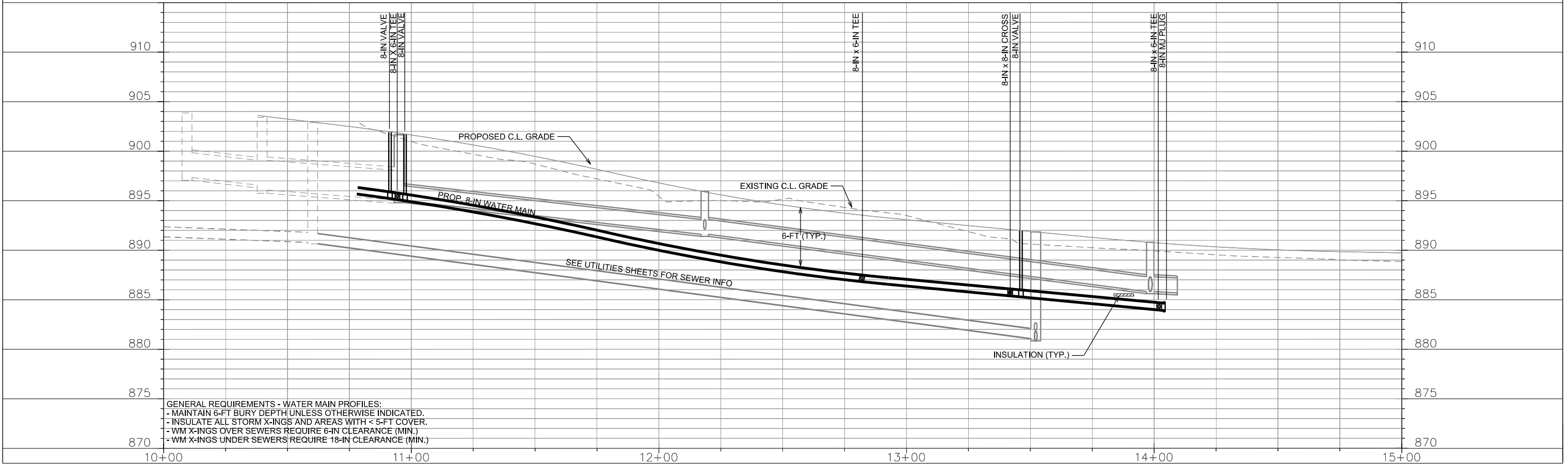
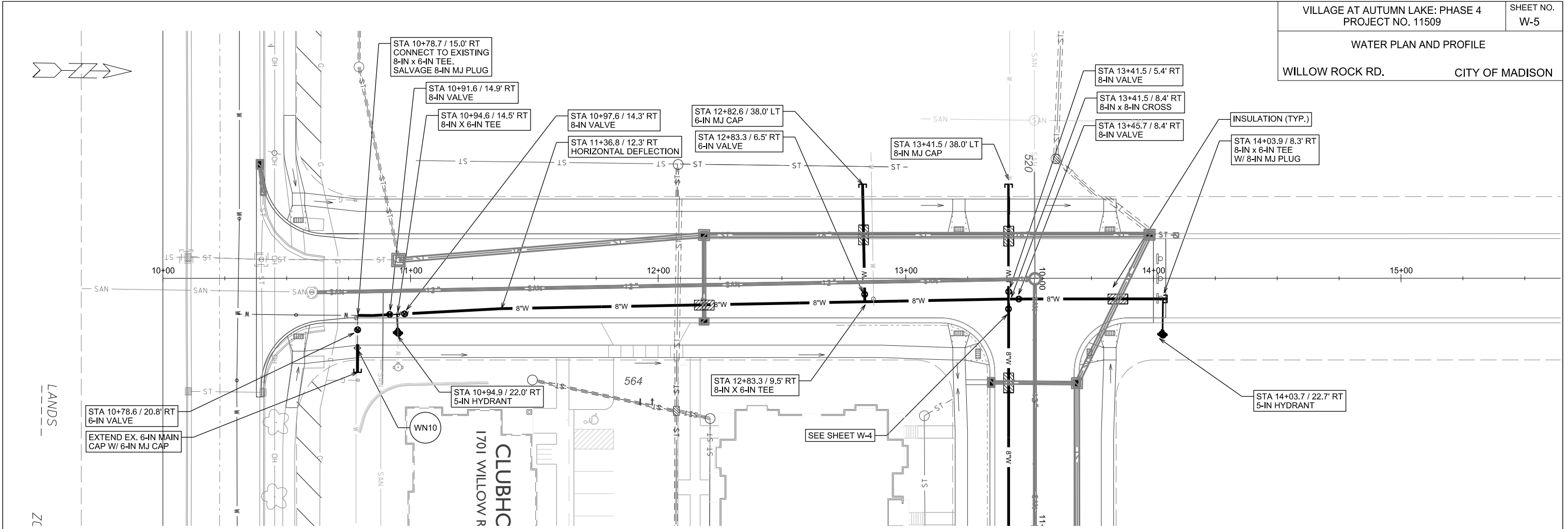




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REV. DATE: \_\_\_\_\_

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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:

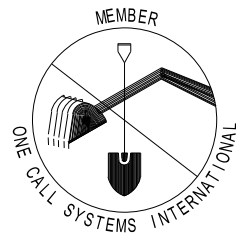
\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

- |                          |                                   |
|--------------------------|-----------------------------------|
| 200-FT - 6-IN PIPE       | 1 - 8-IN 22.5° BEND               |
| 1840-FT - 8-IN PIPE      | 2 - 8-IN MJ PLUG                  |
| 14 - 8-IN VALVE & BOX    | 4 - 6-IN MJ CAP                   |
| 4 - 6-IN VALVE & BOX     | 1 - 8-IN MJ CAP                   |
| 9 - 8-IN X 6-IN TEE      | 7 - HYDRANT                       |
| 2 - 8-IN X 8-IN TEE      | 2244-FT - POLY WRAP               |
| 2 - 8-IN X 8-IN CROSS    | 96-FT - 2-IN STYROFOAM INSULATION |
| 1 - 8-IN TO 6-IN REDUCER | 1-IN COPPER SVC (AS REQ'D)        |

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.



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.

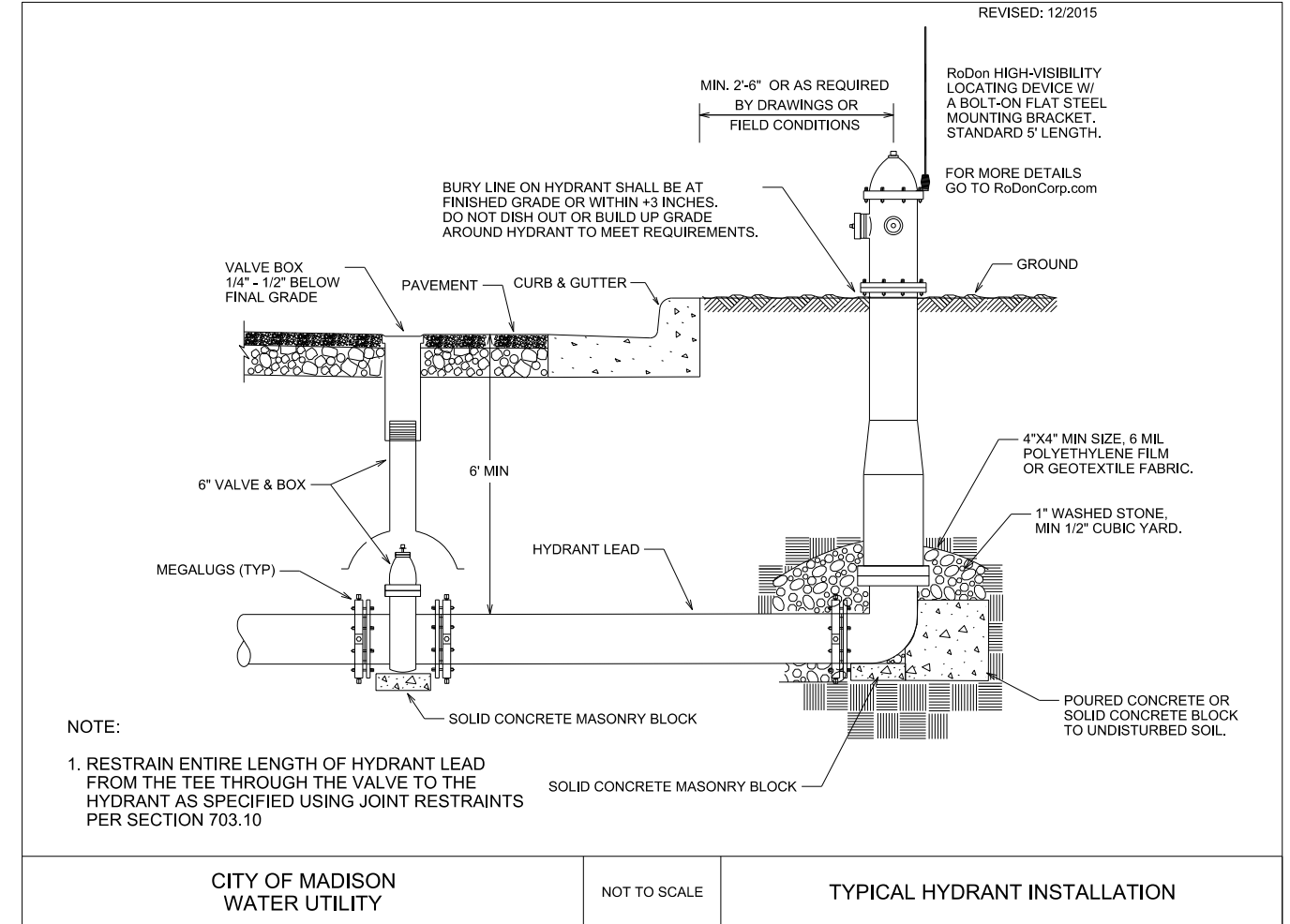
- 2 - 8-IN MJ PLUG
- 1 - HYDRANT

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