

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JUNE 16, 2015

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 10/5/15
City Engineer Date

INDEX OF SHEETS - STREETS

SHEET NO.	TITLE
1	NOTES AND DETAILS
DI-D2	AUTUMN LAKE PKWY
P1	RED FERN DR
P2	SUMMER SHINE LN
P3-P4	PUBLIC ALLEYS (OL 43 & 44)
P5-P6	AUTUMN LAKE ELECTRICAL PLAN
E1	

VILLAGE AT AUTUMN LAKE, PHASE 1

MUNIS NO. 10841

CITY PROJECT NO. 53B2429

CITY CONTRACT NO. 2429

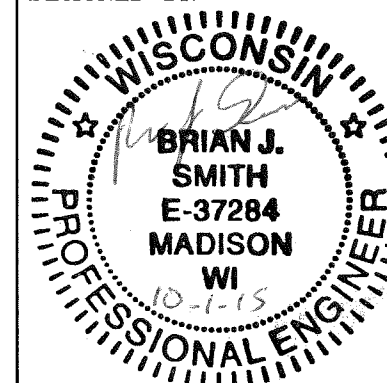
INDEX OF SHEETS - SEWER UTILITY

U1-U3	AUTUMN LAKE PKWY
U4	LEVITAN LANE
U5-U6	RED FERN DR
U7	SUMMER SHINE LN
U8-U9	SEWER SCHEDULES

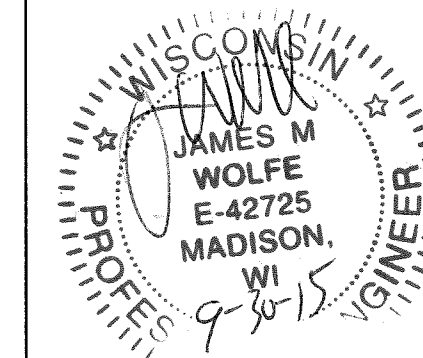
INDEX OF SHEETS - WATER

W1	AUTUMN LAKE PKWY WATER
W2	RED FERN DR WATER
W3-W4	SUMMER SHINE LN WATER
W5	WATER ESTIMATE OF MATERIALS

STREET LIGHTING DESIGNED BY:



STREET GRADES DESIGNED BY:



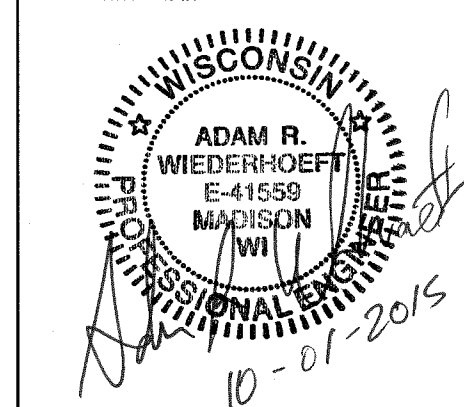
STREET GEOMETRICS DESIGNED BY:



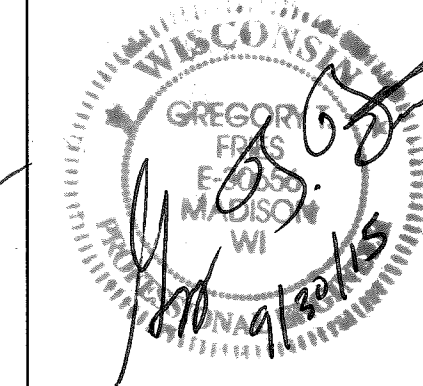
SANITARY SEWER DESIGNED BY:

[Signature]
9/21/15

WATER DESIGNED BY:

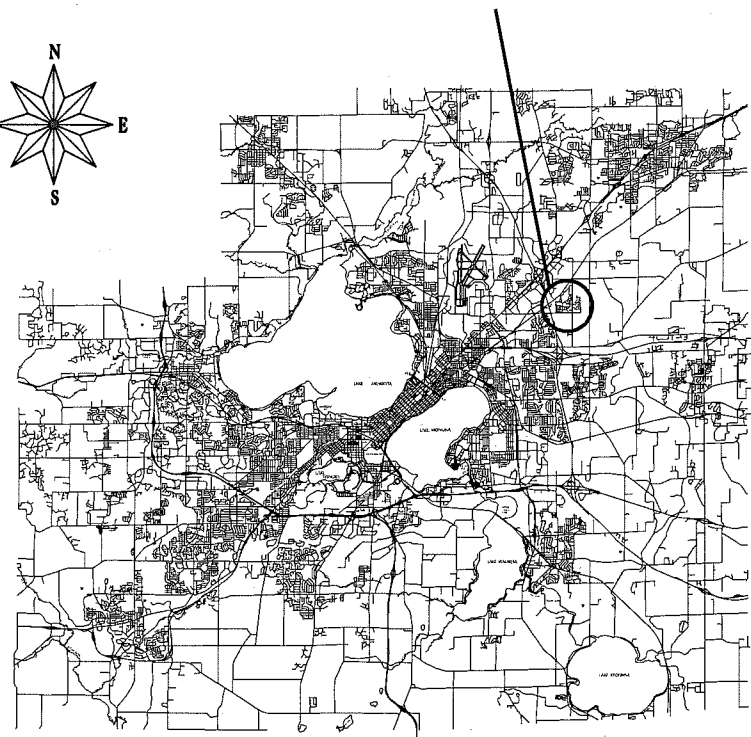
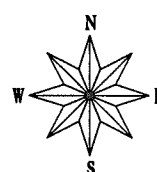
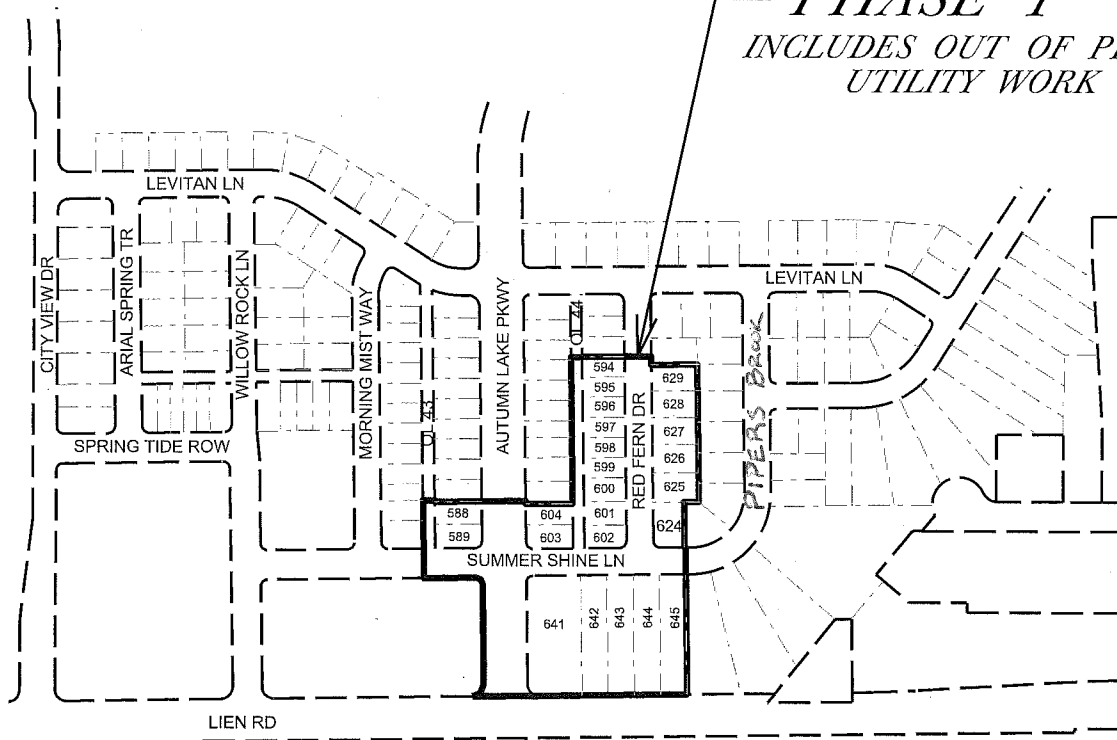


STORM SEWER DESIGNED BY:



PHASE 1
INCLUDES OUT OF PHASE
UTILITY WORK

PROJECT LOCATION



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAIL

STANDARD NOTES
AND COMMENTS

CITY OF MADISON

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, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY OF MADISON TRAFFIC ENGINEERING DIVISION A MINIMUM OF 10 WORKING DAYS PRIOR TO THE ANTICIPATED START OF WORK.

ALL PAVEMENT ON AUTUMN LAKE PKWY SHALL BE TYPE B, AND ALL OTHER PAVEMENT 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.

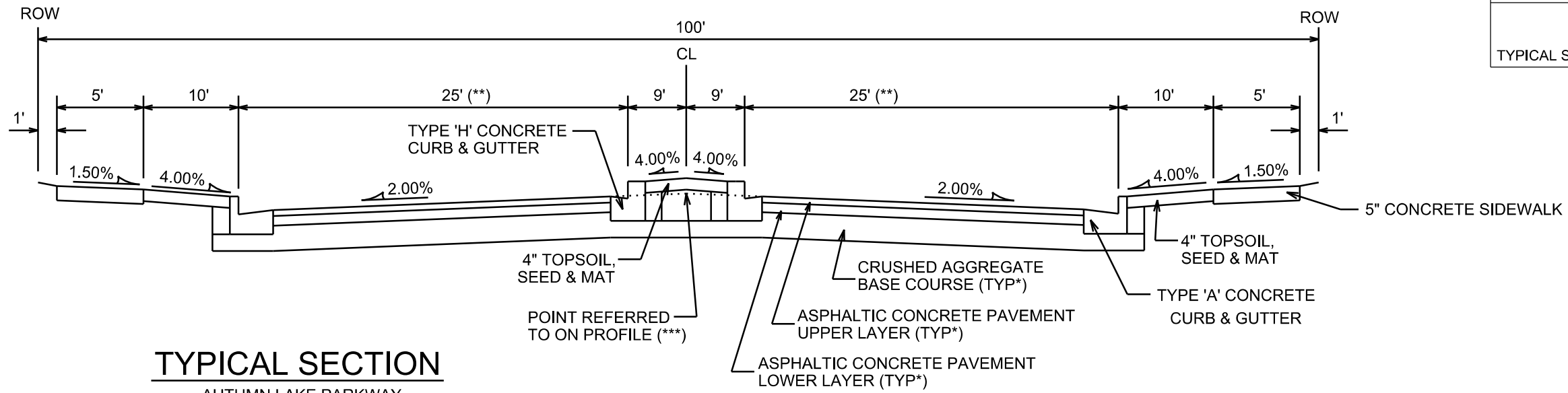
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: _____

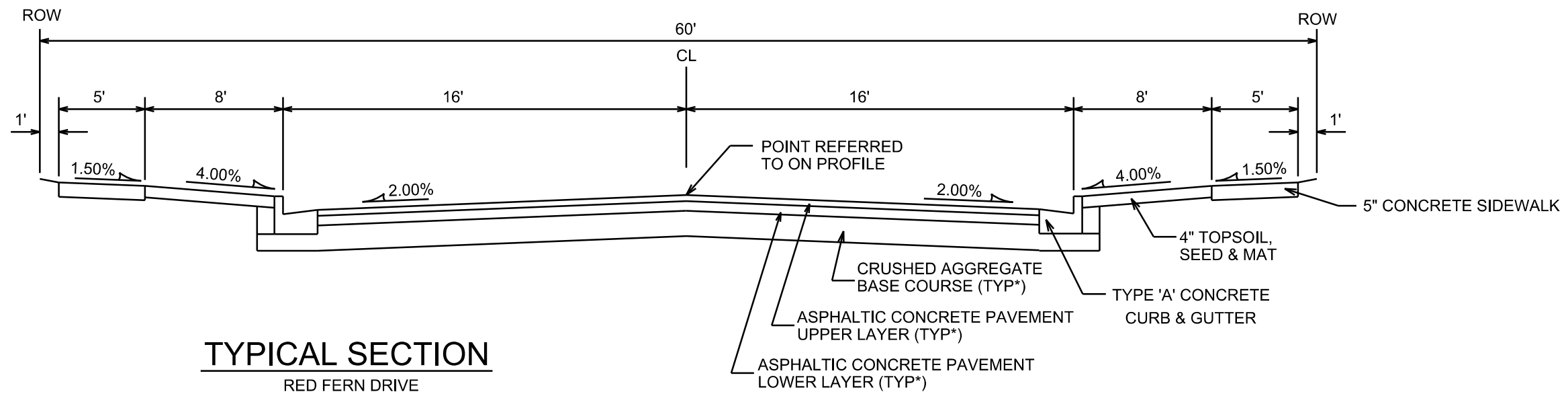
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
AUTUMN LAKE PARKWAY
NOT TO SCALE



TYPICAL SECTION
RED FERN DRIVE
NOT TO SCALE

NOTES:

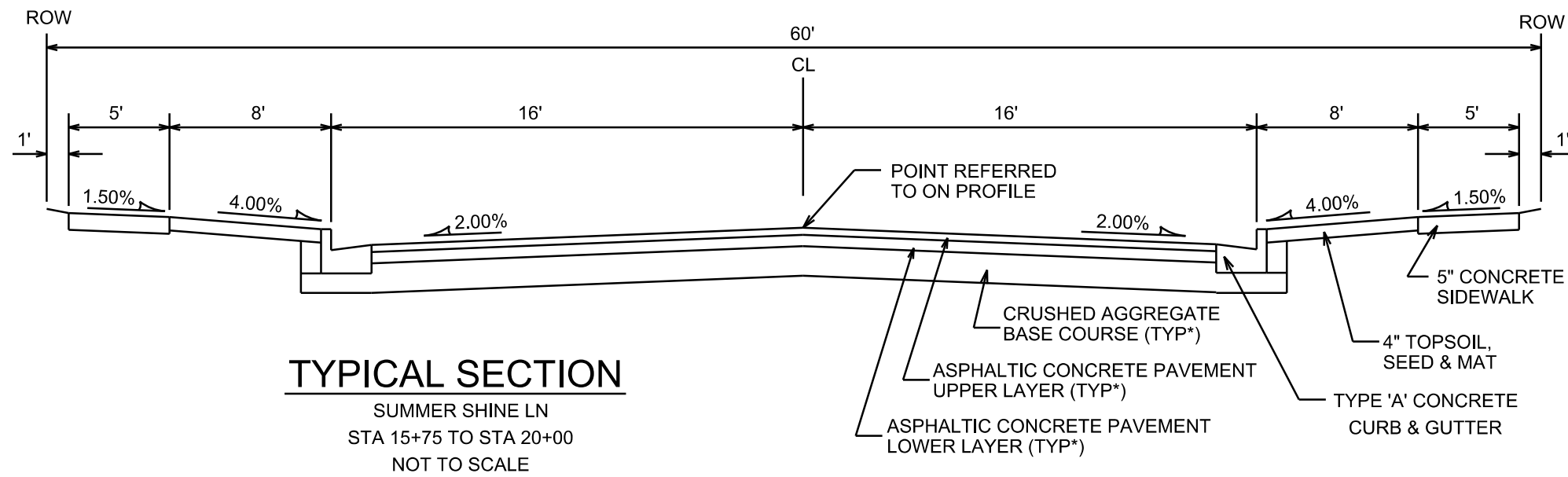
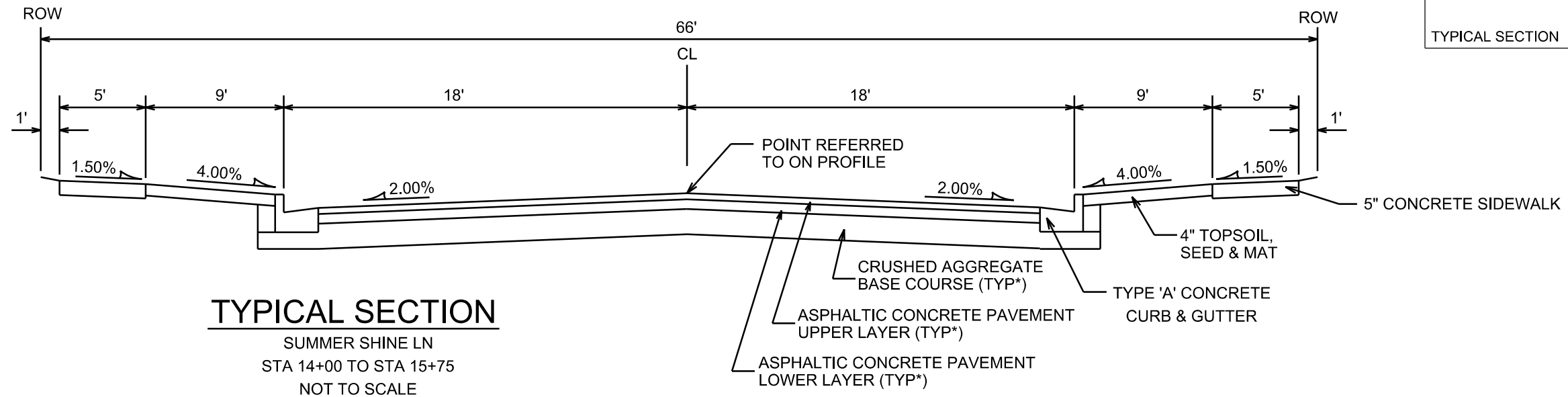
- * AUTUMN LAKE PKWY TO BE CONSTRUCTED AS TYPE 'B' PAVEMENT; SUMMER SHINE LN AND RED FERN DR TO BE TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN (SEE †)
- ** WIDTH VARIES AT INTERSECTION WITH SUMMER SHINE LANE. SEE PLANS FOR BUMPOUT AND MEDIAN LAYOUT.
- *** POINT REFERRED TO ON PROFILE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

† CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER 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"

SEE CITY OF MADISON STANDARD DETAIL DRAWING 4.07 FOR TYPICAL ALLEY SECTION & ALLEY CURB DETAIL

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



NOTES:

* AUTUMN LAKE PKWY TO BE CONSTRUCTED AS TYPE 'B' PAVEMENT;
SUMMER SHINE LN AND RED FERN DR TO BE TYPE 'A' PAVEMENT
PER CITY OF MADISON MINIMUM PAVEMENT DESIGN (SEE †)

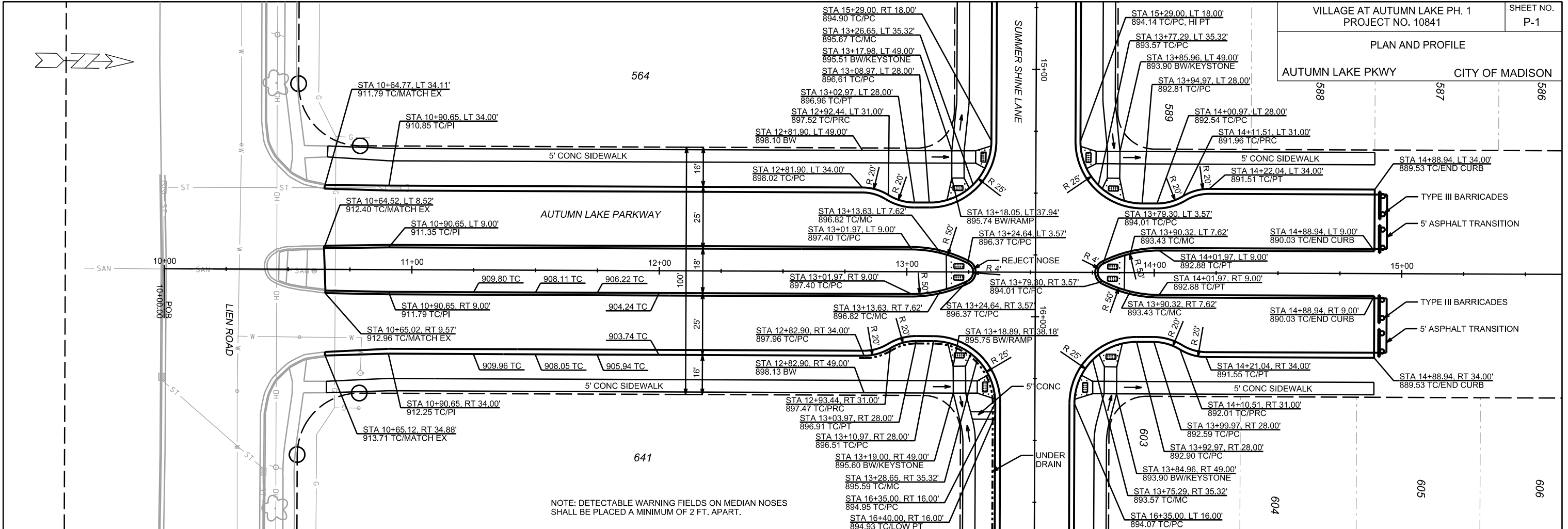
** WIDTH VARIES AT INTERSECTION WITH SUMMER SHINE LANE. SEE
PLANS FOR BUMPOUT AND MEDIAN LAYOUT.

*** POINT REFERRED TO ON PROFILE IS THE EXTENDED PAVEMENT
FOR LOCATIONS WITH ISLANDS AS SHOWN ON PLANS.

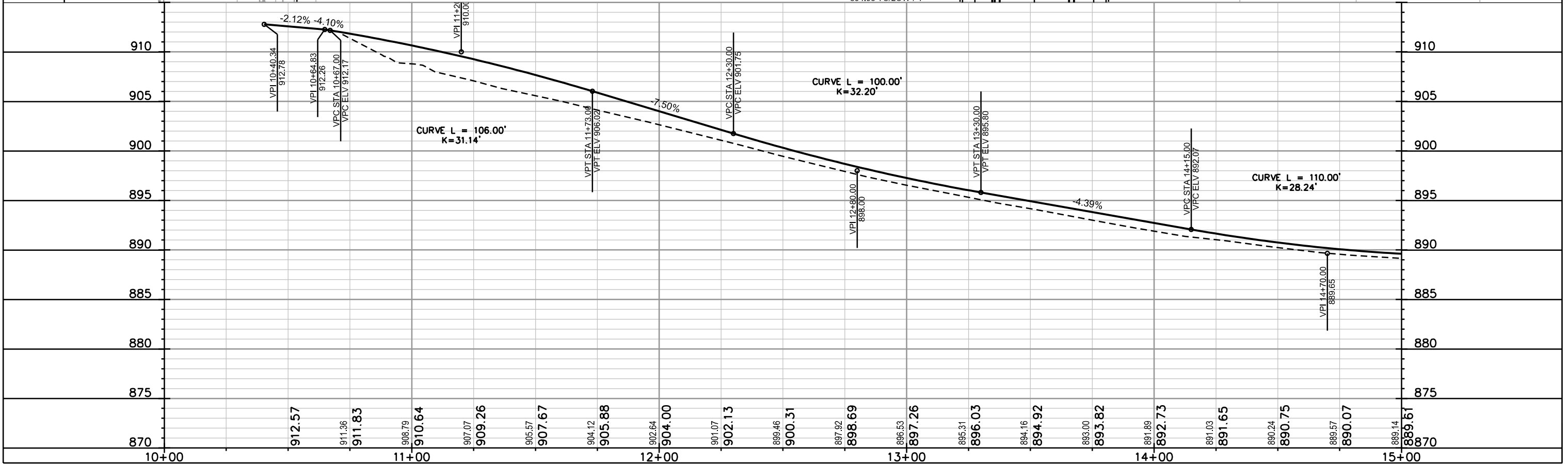
† CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER 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"

PLAN AND PROFILE
AUTUMN LAKE PKWY CITY OF MADISON

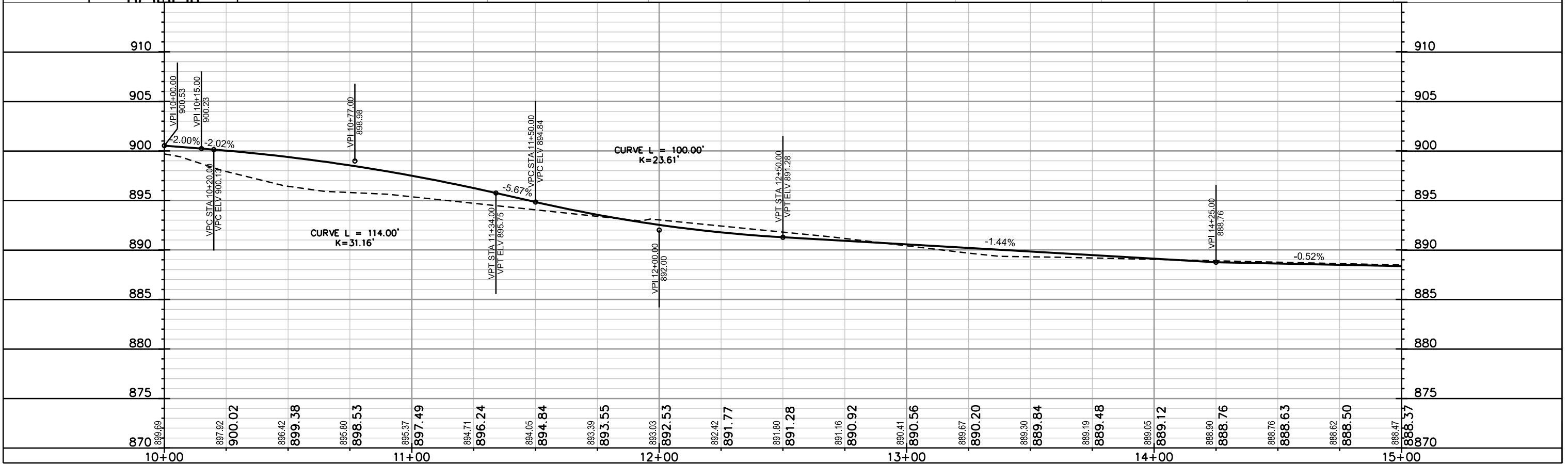
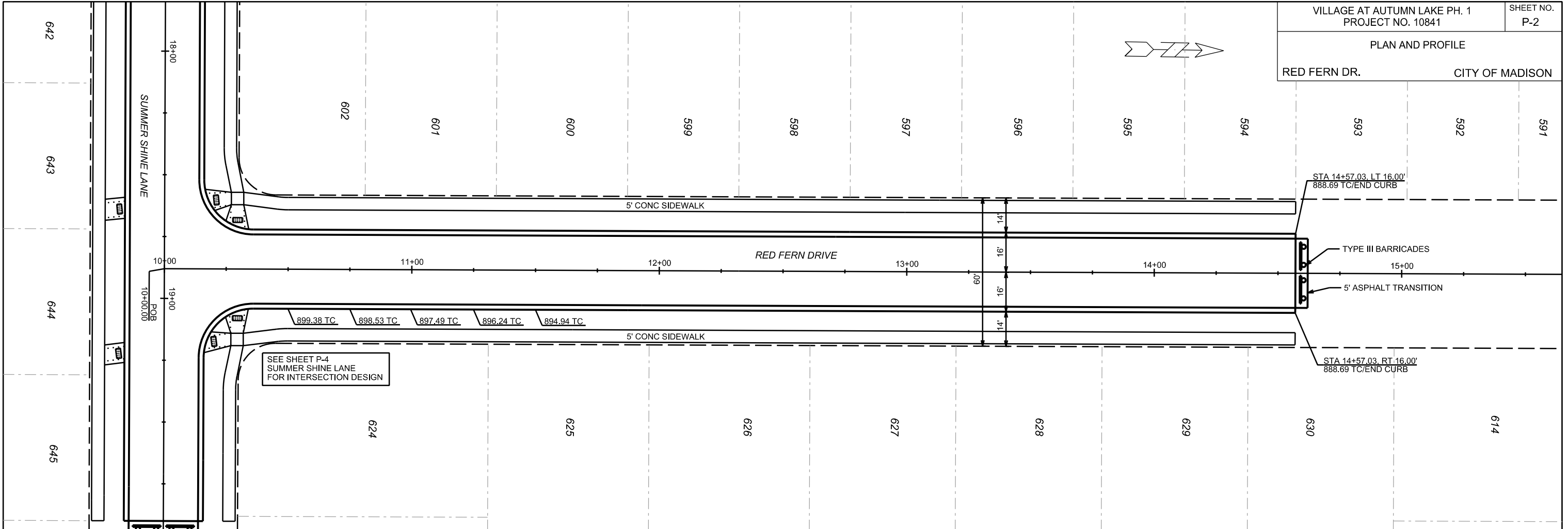


NOTE: DETECTABLE WARNING FIELDS ON MEDIAN NOSES SHALL BE PLACED A MINIMUM OF 2 FT. APART.



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

PLAN AND PROFILE
RED FERN DR. CITY OF MADISON



PLOT SCALE:

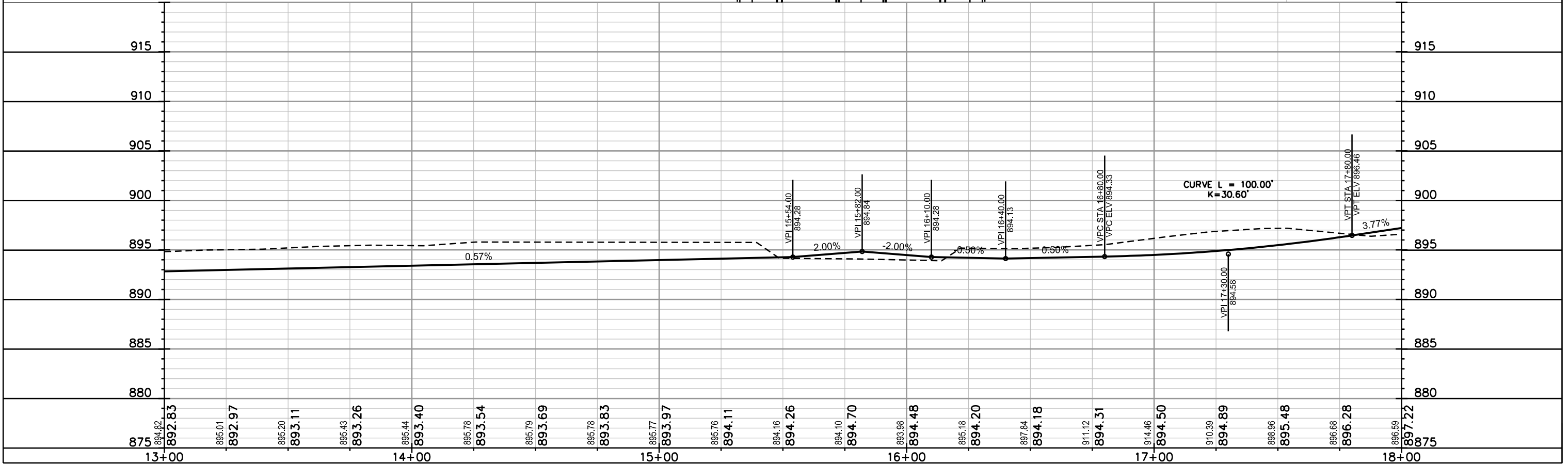
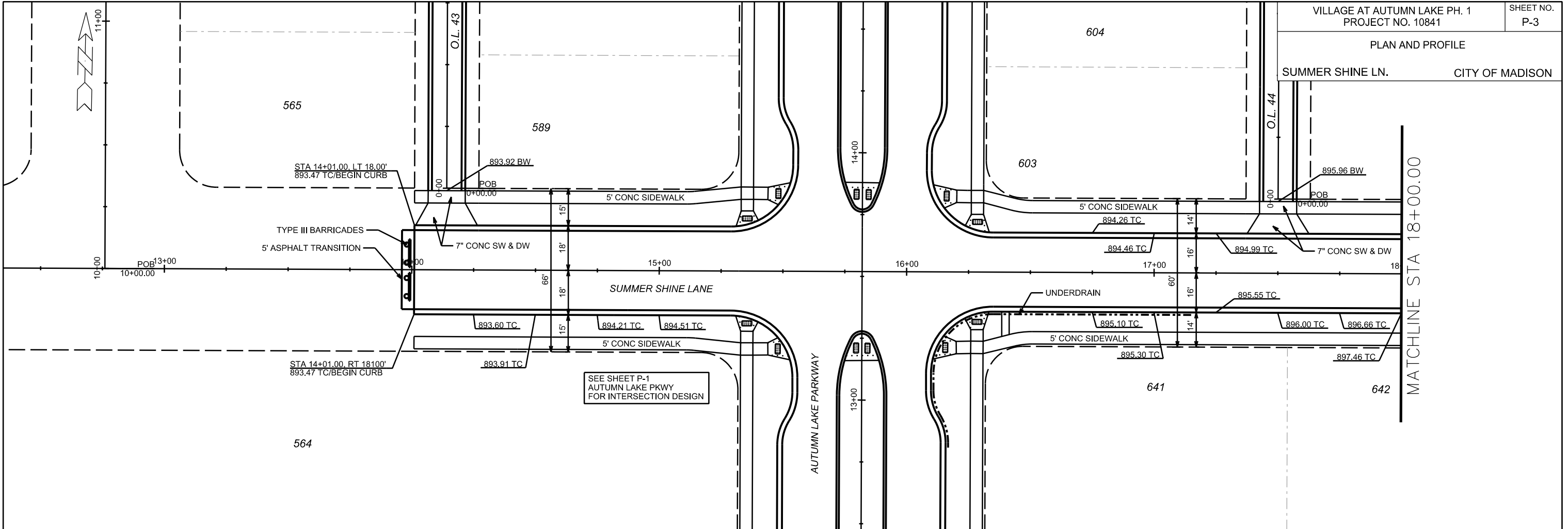
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SUMMER SHINE LN. CITY OF MADISON

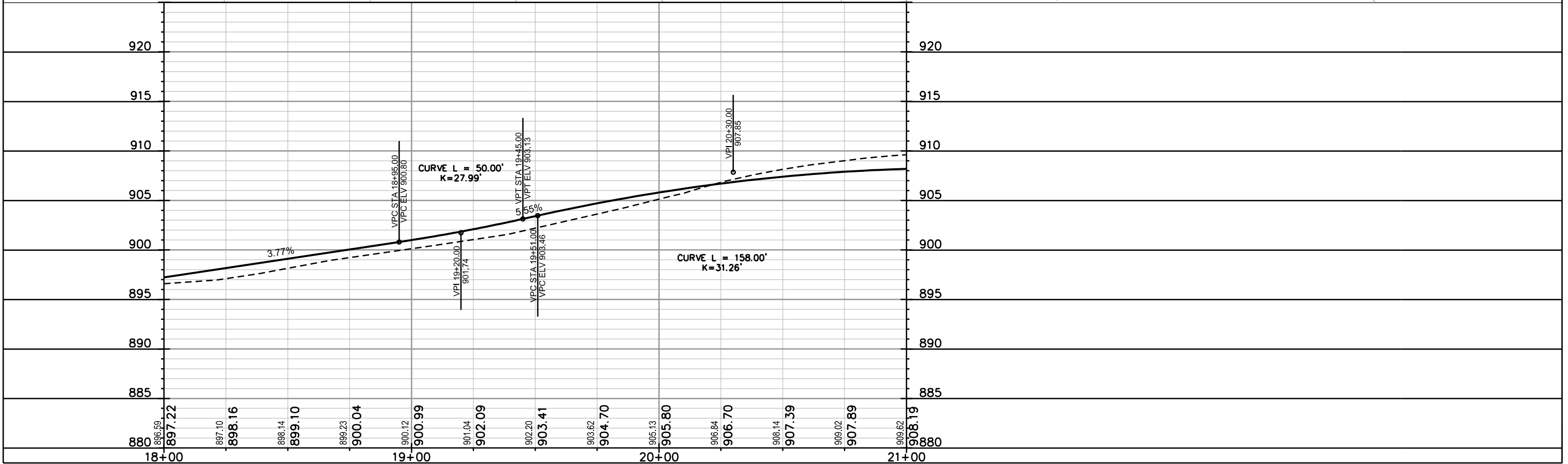
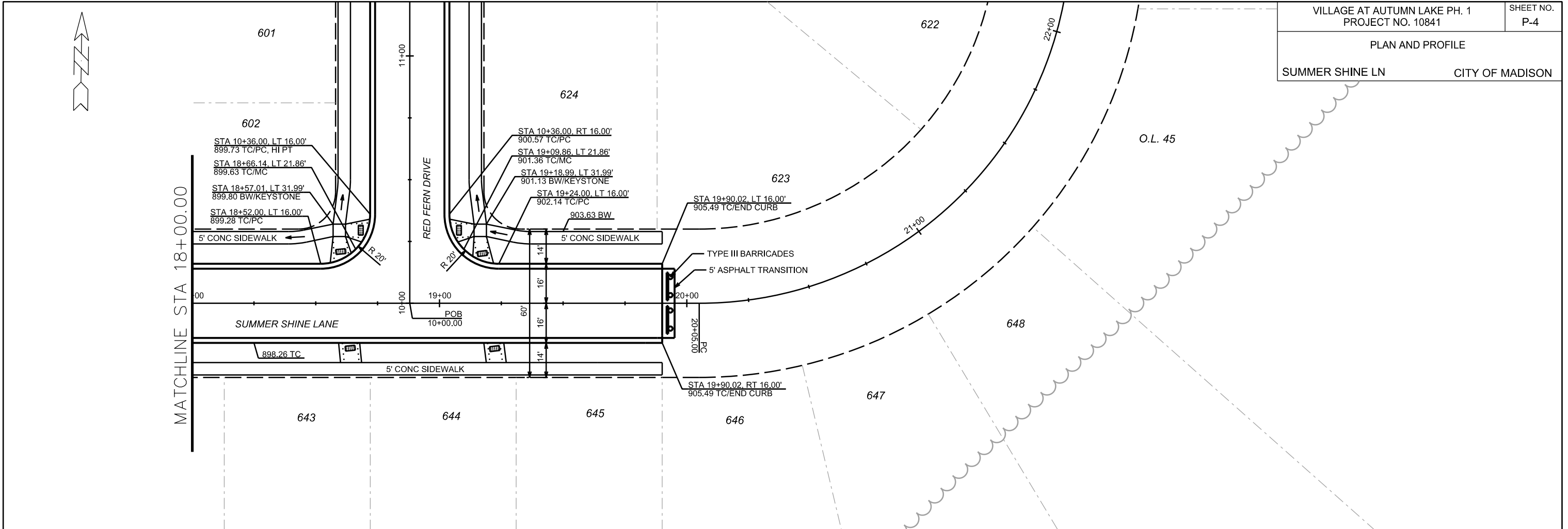


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

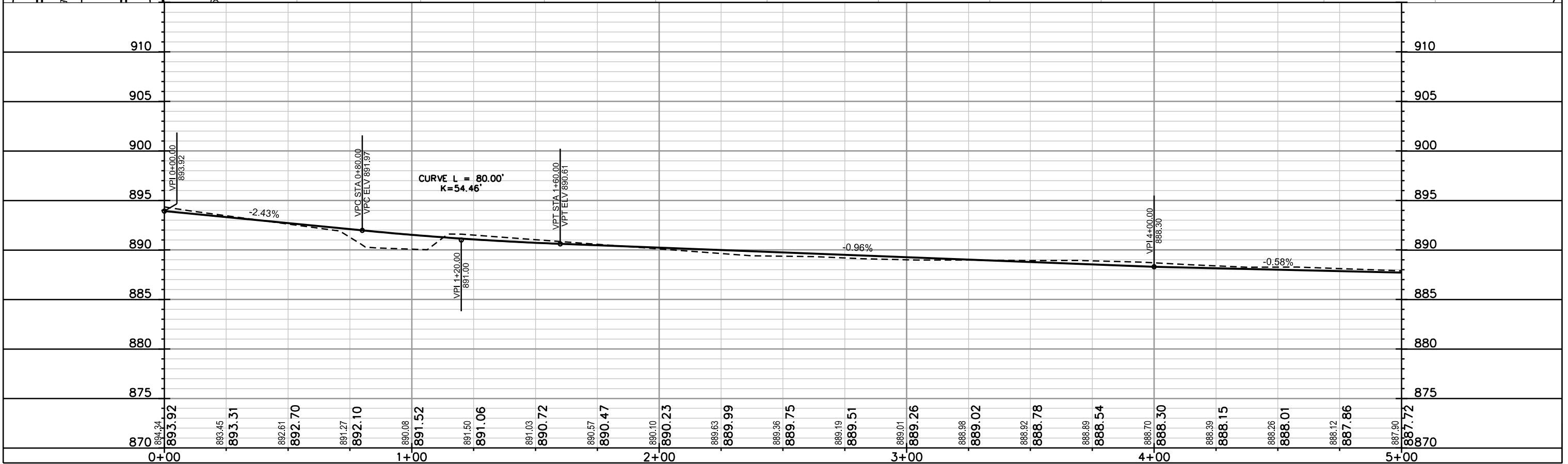
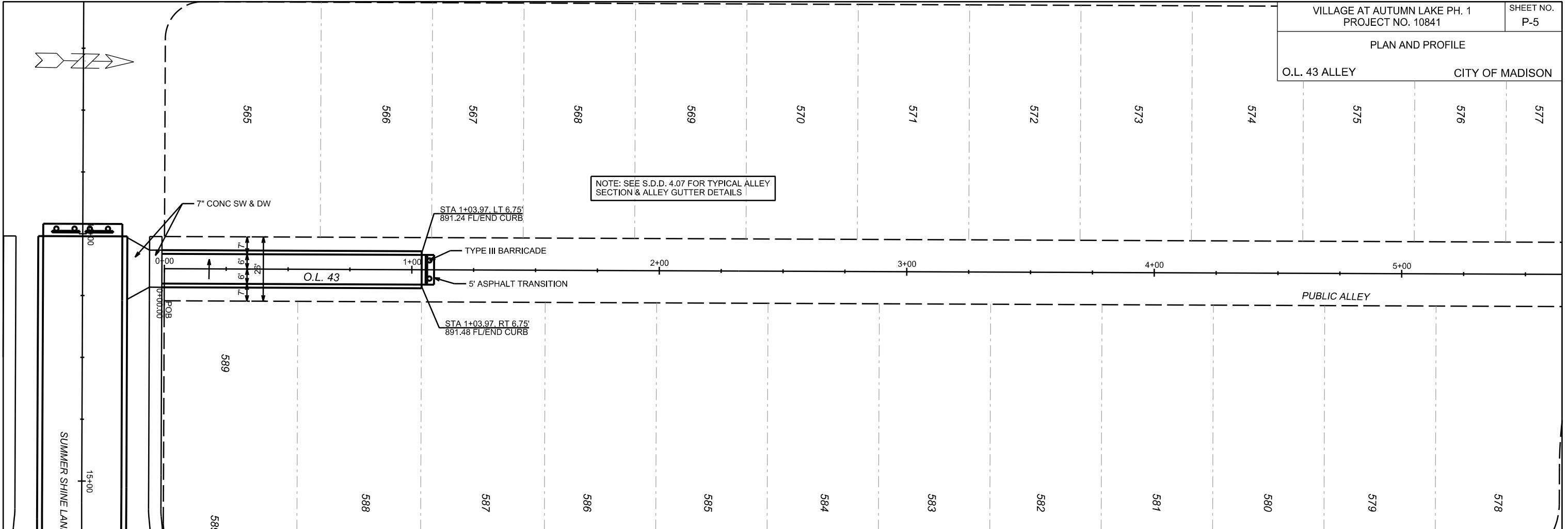


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

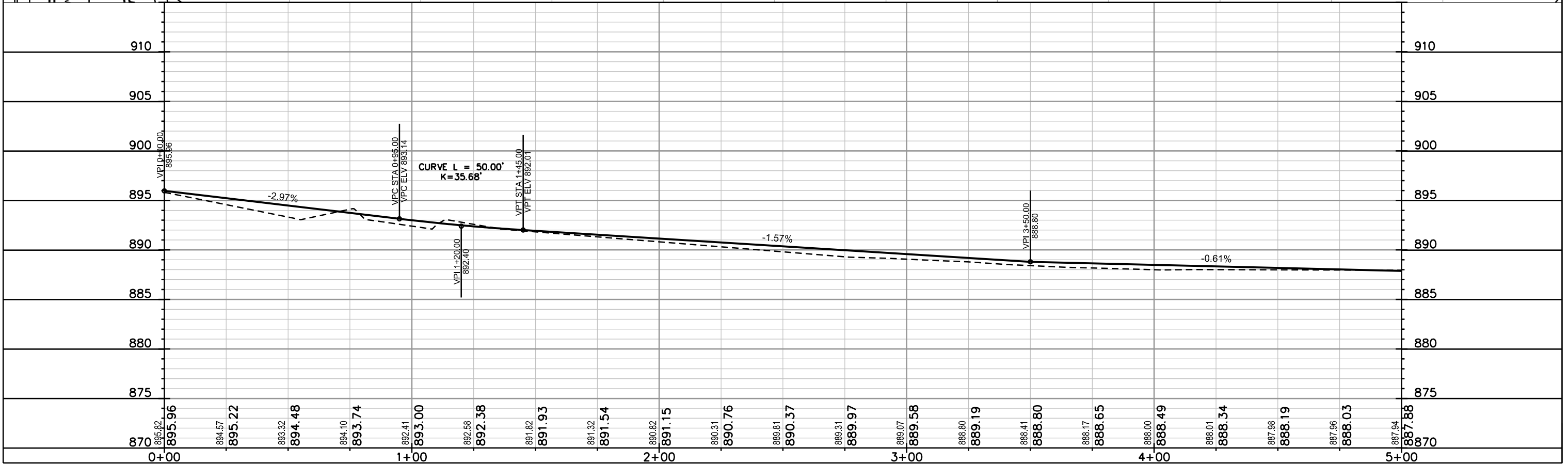
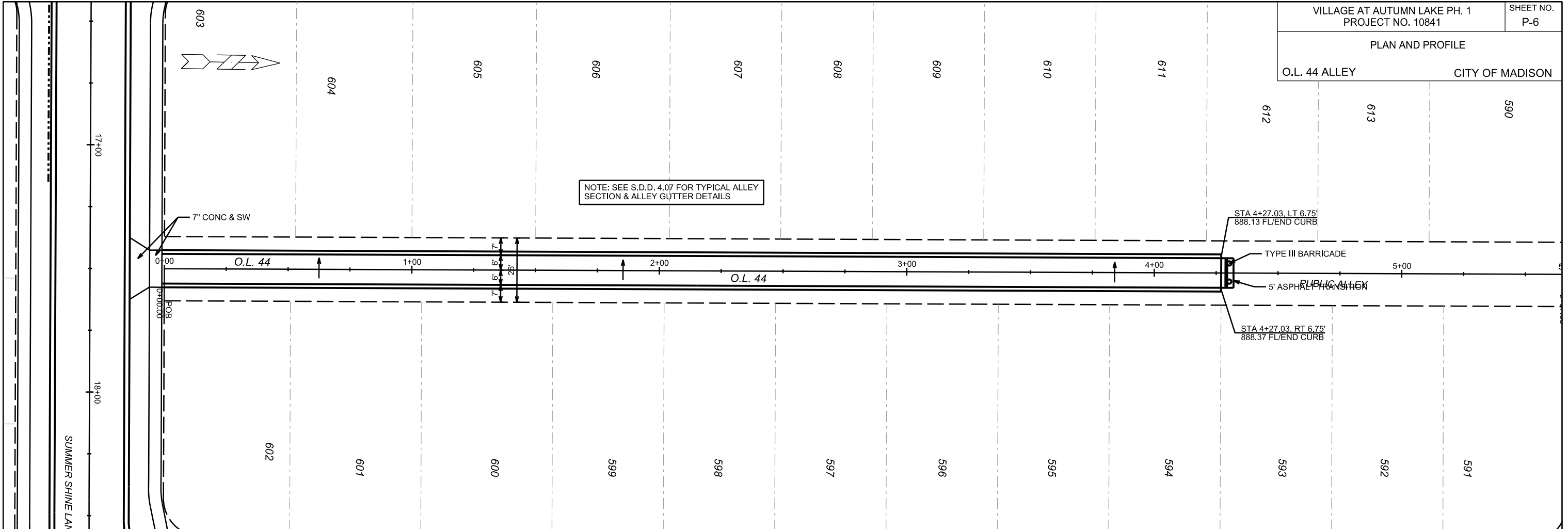
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

O.L. 44 ALLEY CITY OF MADISON

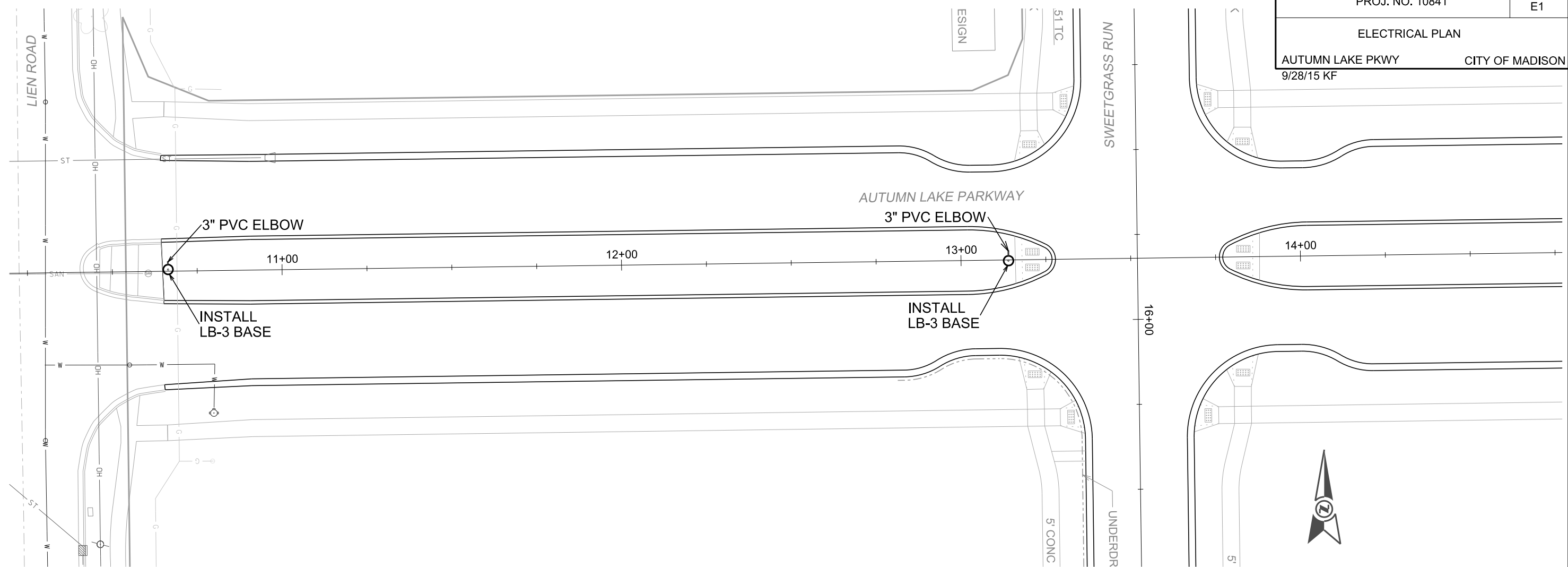


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



GENERAL ELECTRIC NOTES:

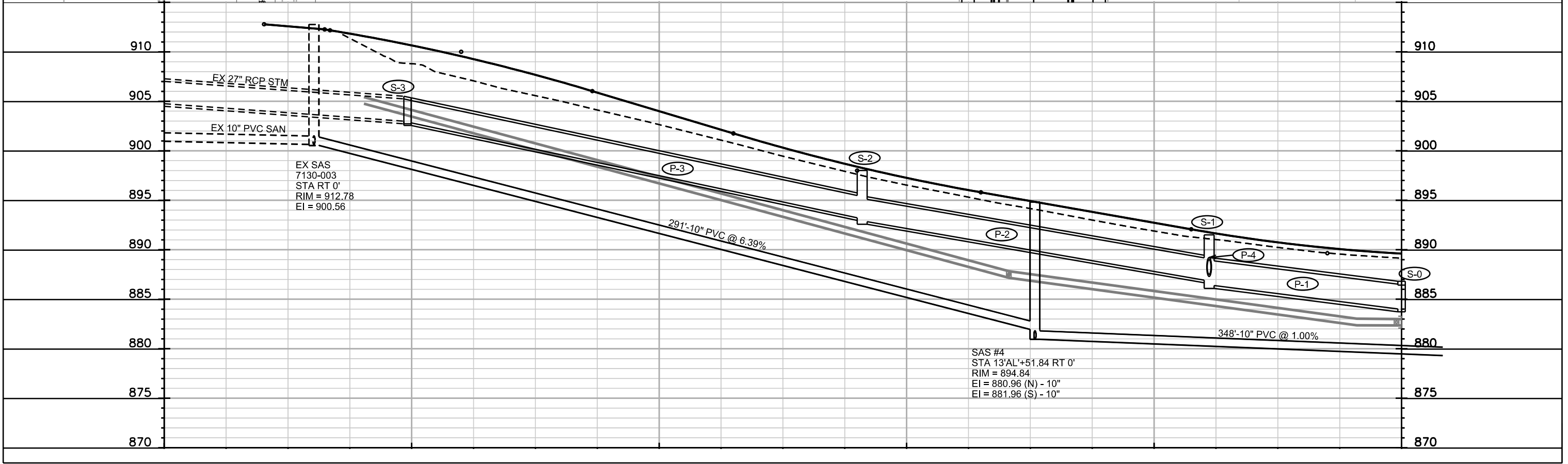
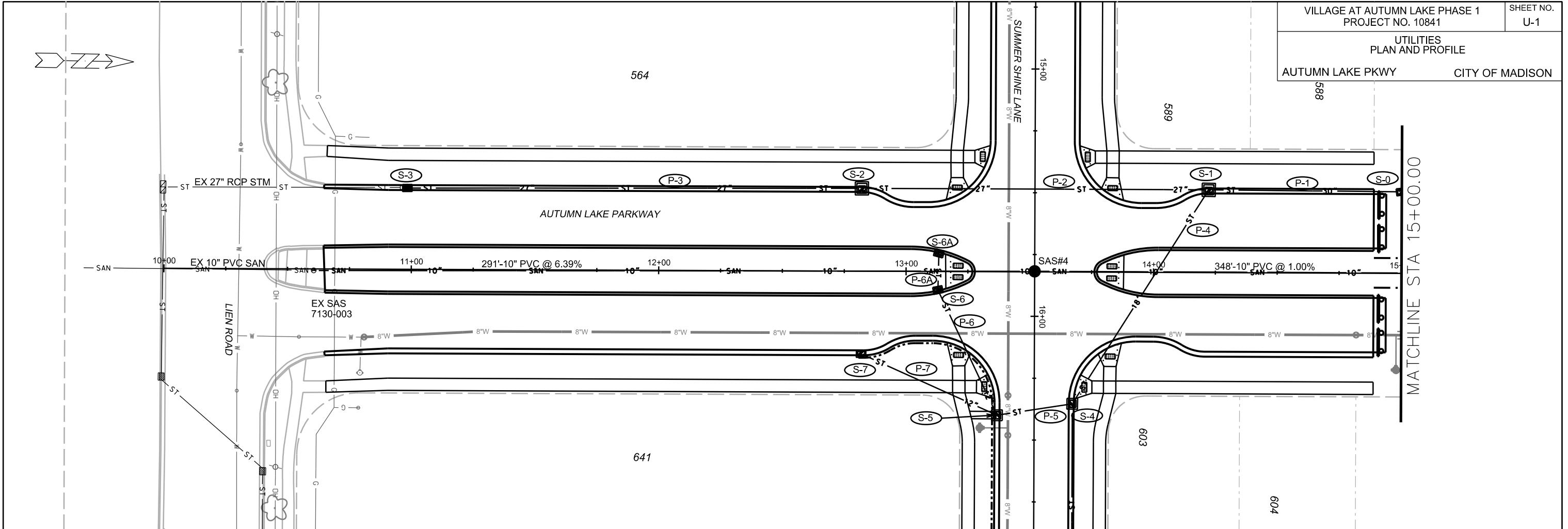
1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY BRIAN SMITH (261-9625) OR KEVIN FAHEY (266-6525) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
2. BASES INSTALLED IN MEDIAN SHALL BE CENTERED UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2015 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:
-1"X40" ANCHOR BOLTS 1 SET OF 4

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



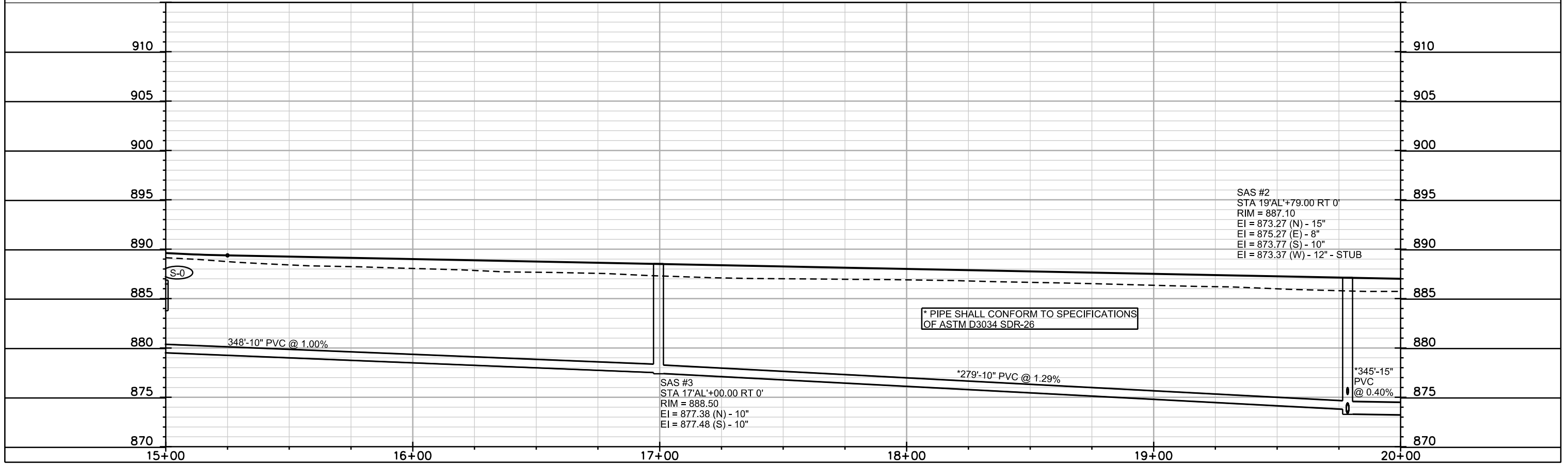
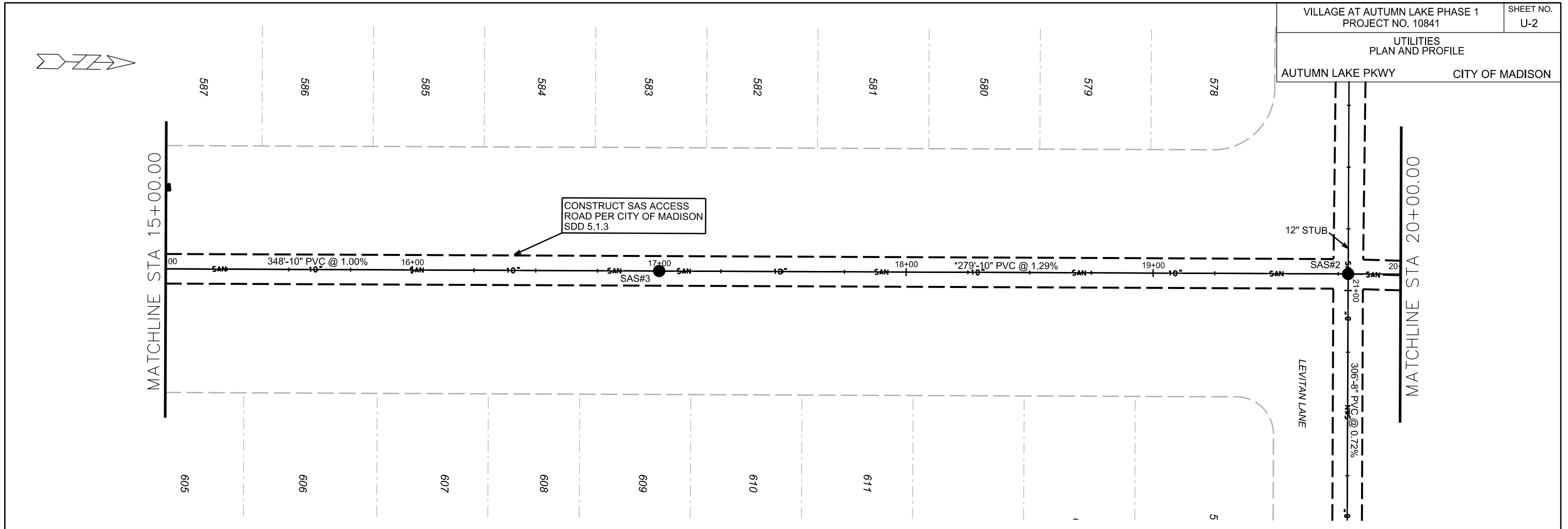
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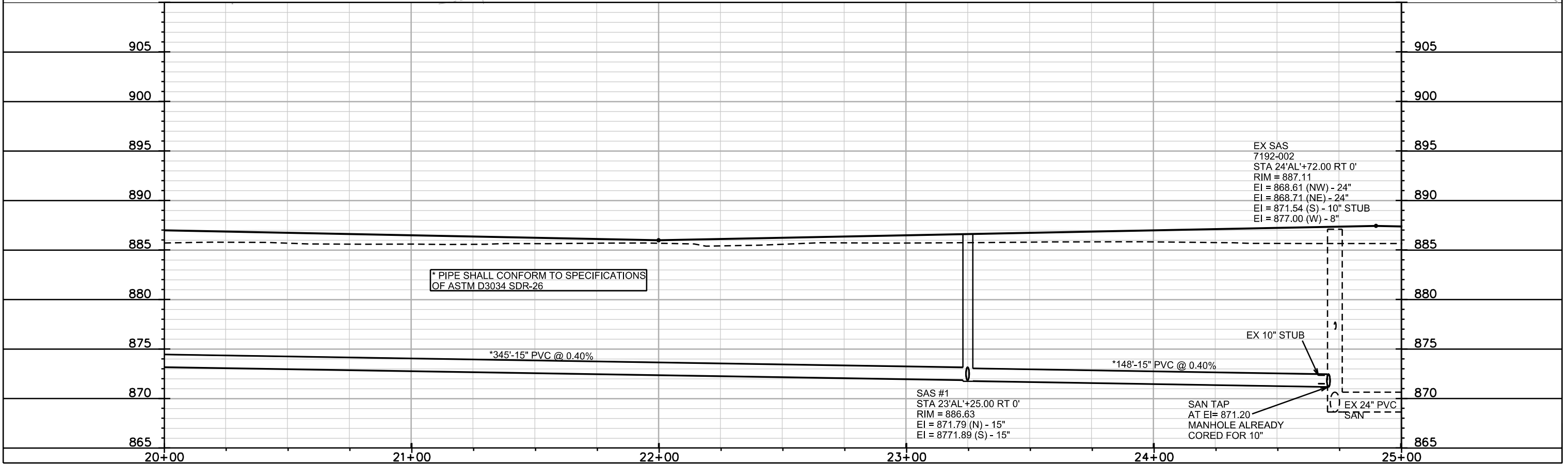
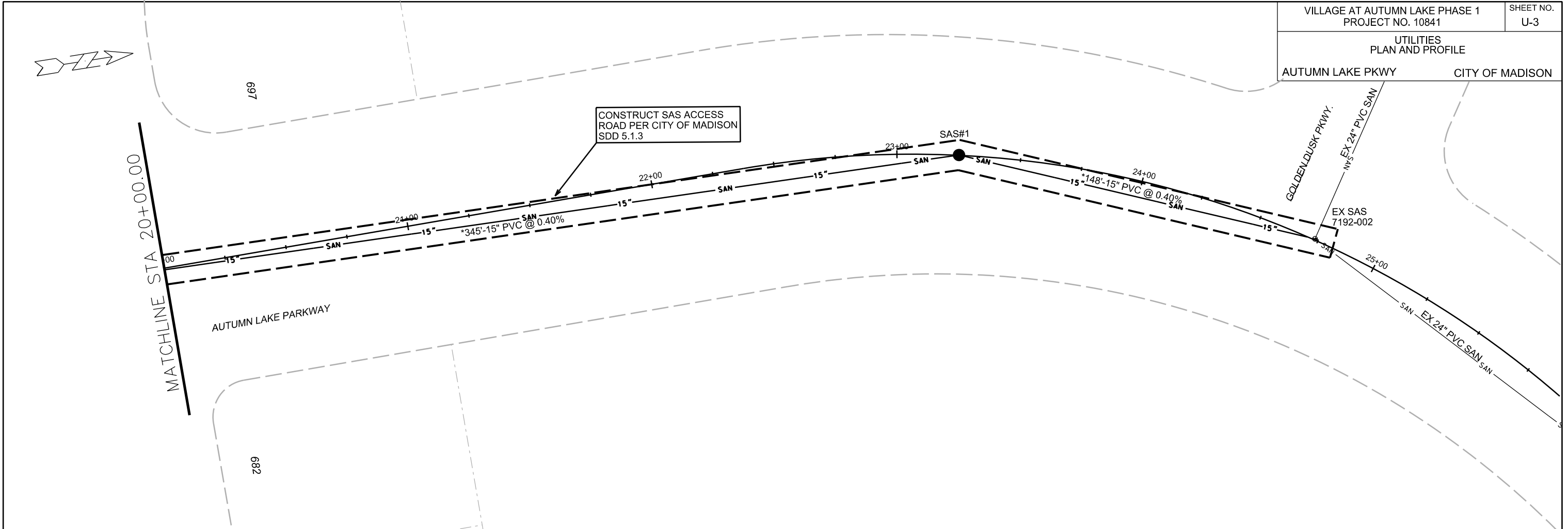
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES
PLAN AND PROFILE
AUTUMN LAKE PKWY CITY OF MADISON



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

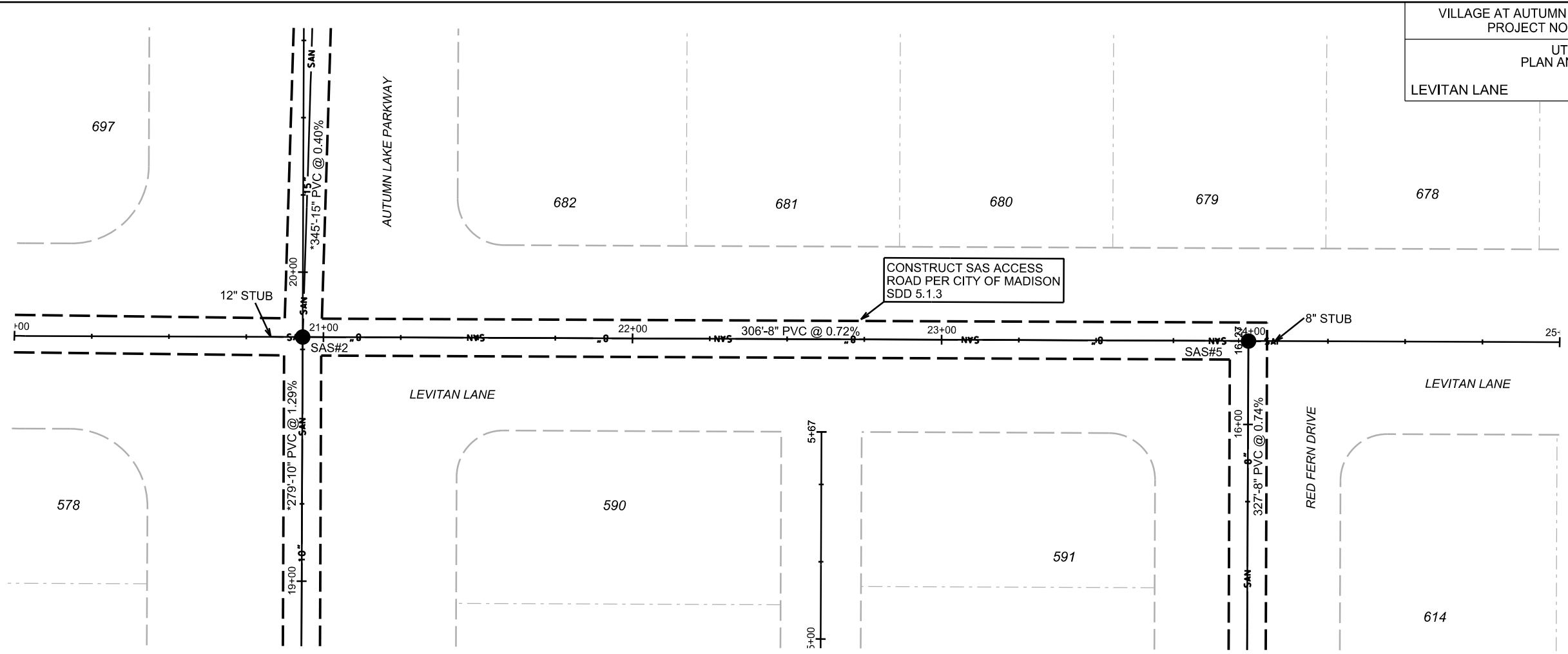


PLOT SCALE: _____

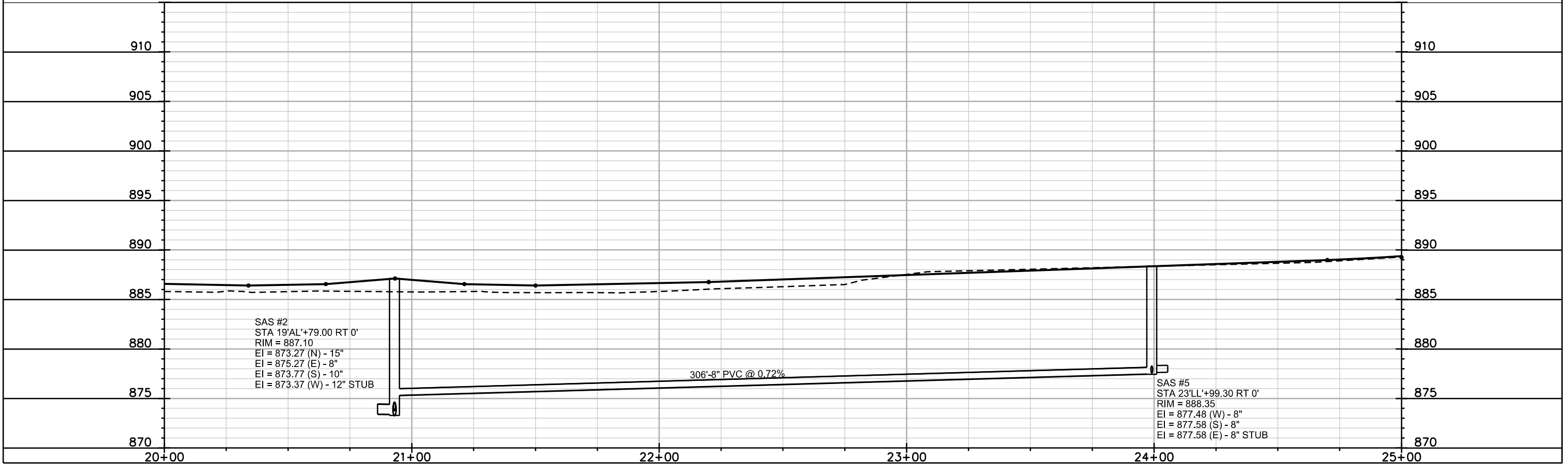
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CONSTRUCT SAS ACCESS ROAD PER CITY OF MADISON SDD 5.1.3



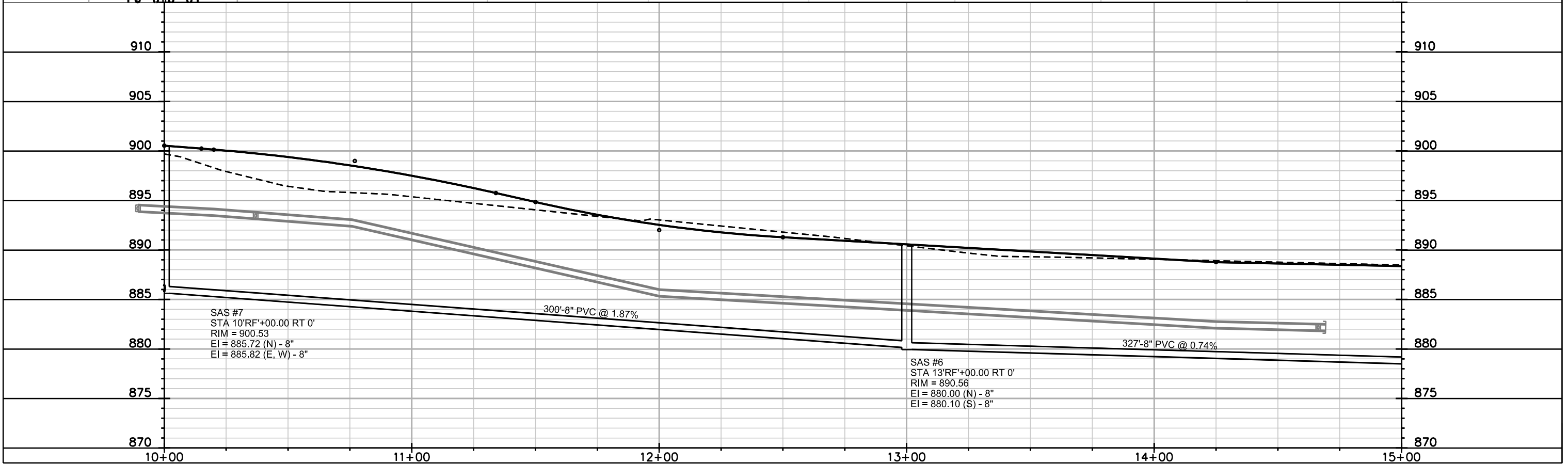
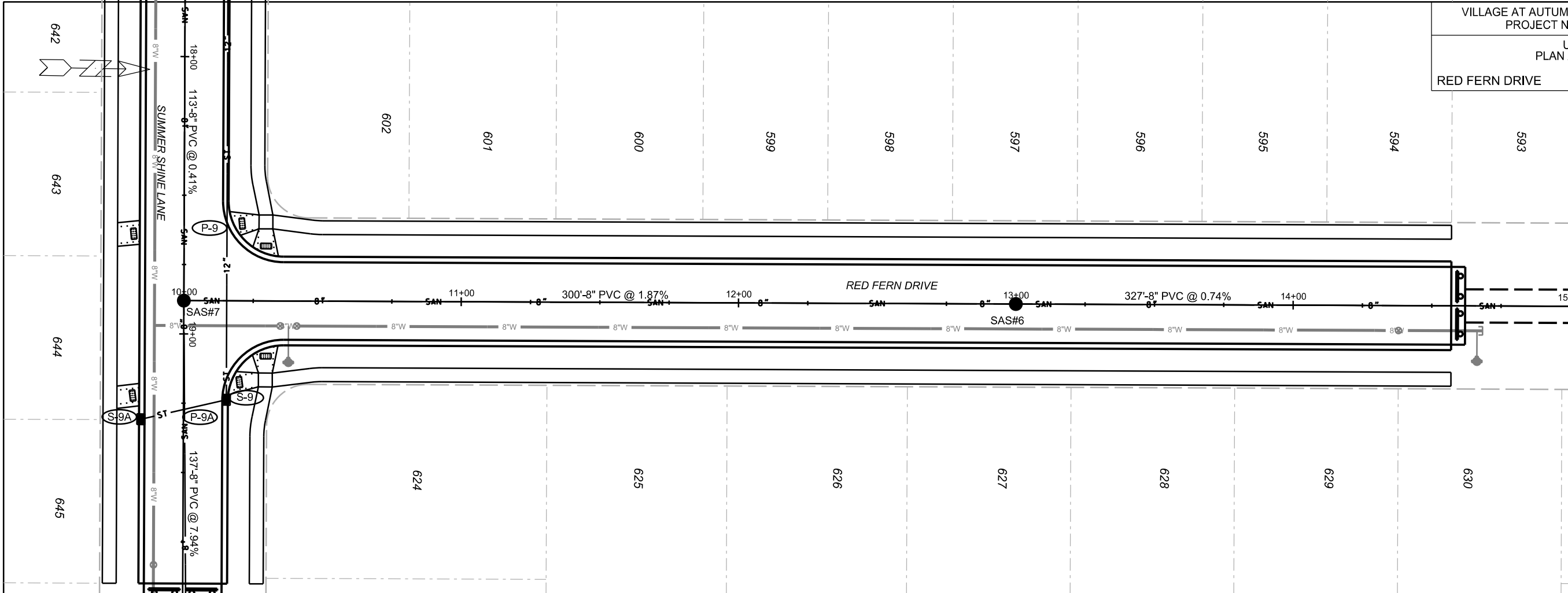
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES
PLAN AND PROFILE
RED FERN DRIVE CITY OF MADISON



SAS #7
STA 10'RF'+00.00 RT 0'
RIM = 900.53
EI = 885.72 (N) - 8"
EI = 885.82 (E, W) - 8"

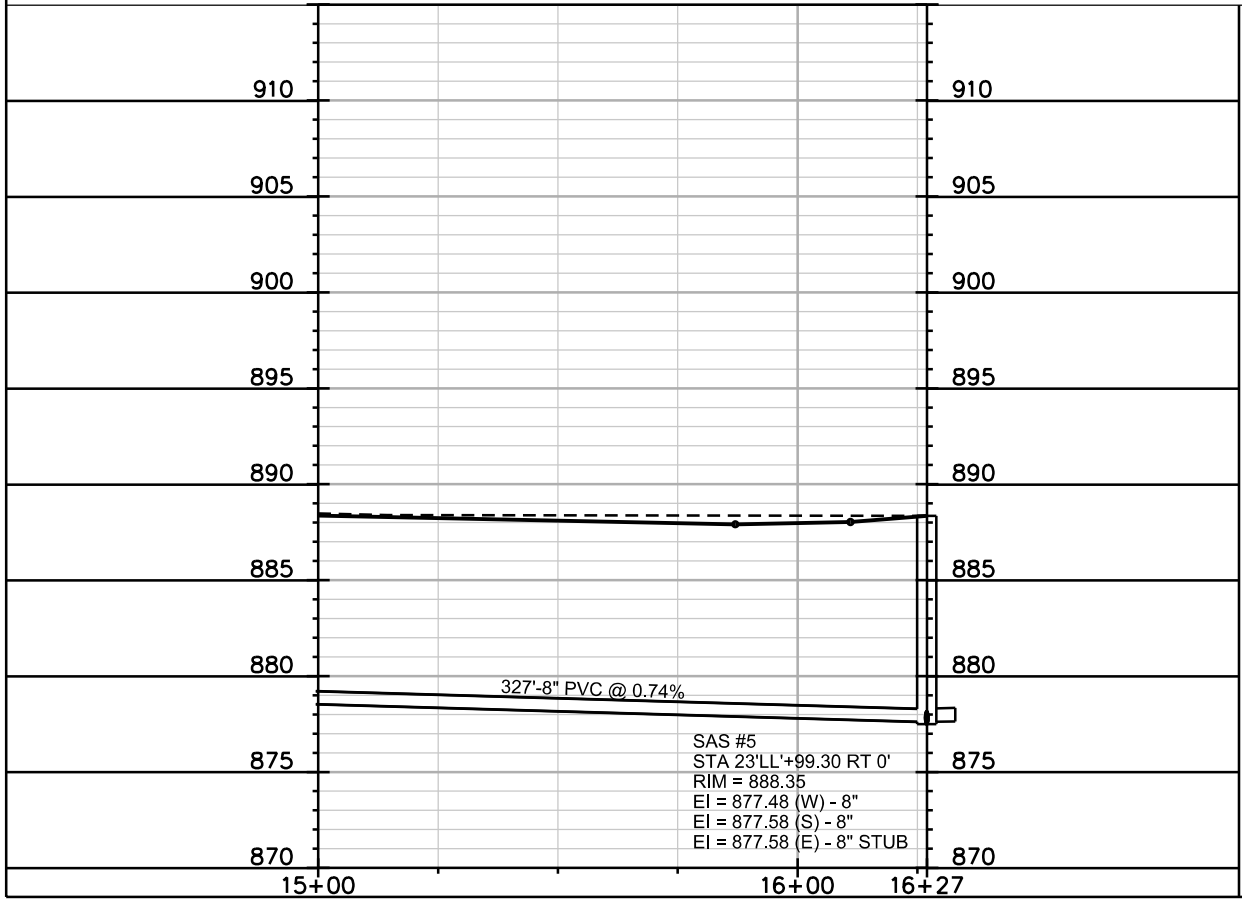
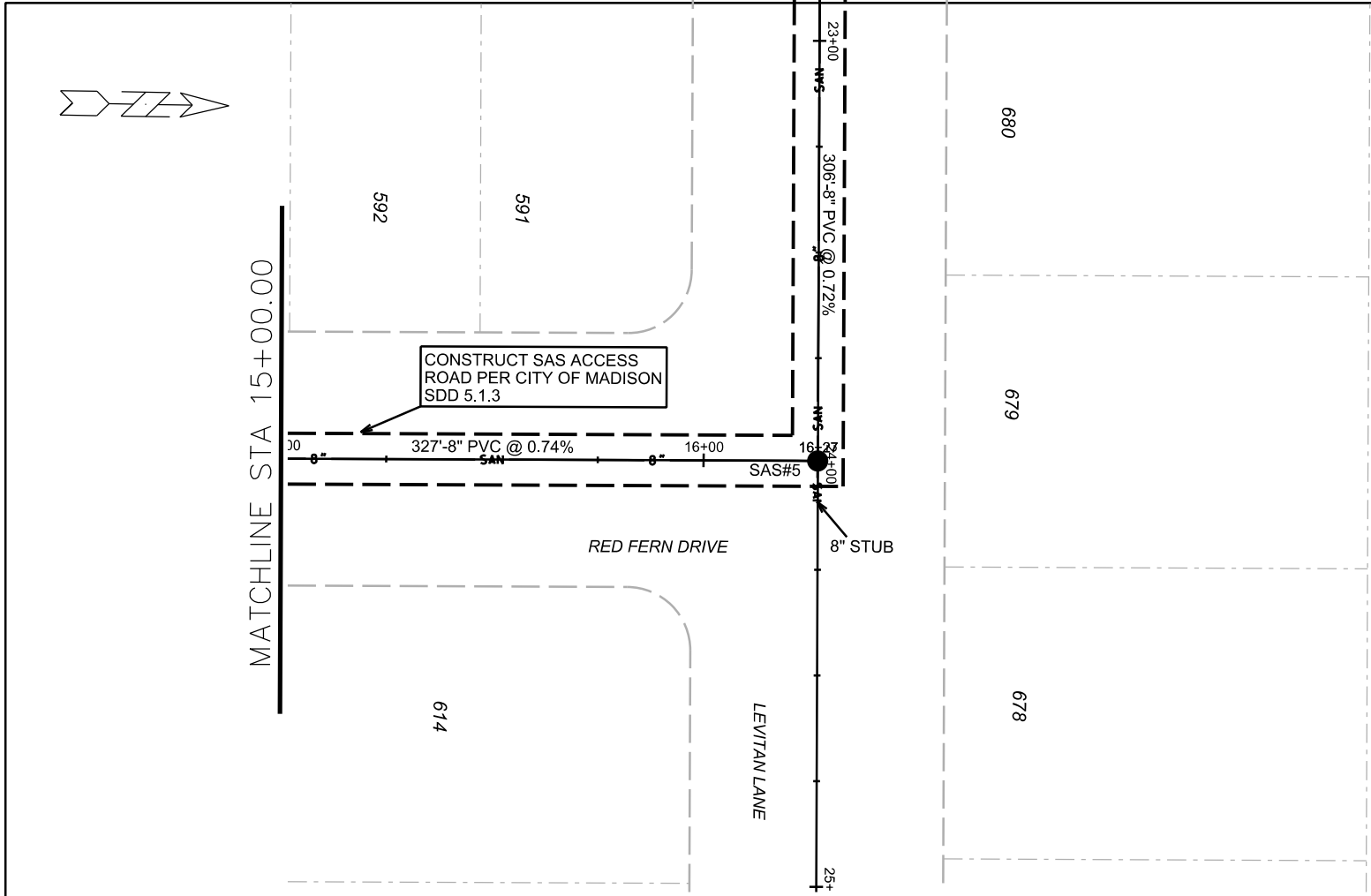
SAS #6
STA 13'RF'+00.00 RT 0'
RIM = 890.56
EI = 880.00 (N) - 8"
EI = 880.10 (S) - 8"

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



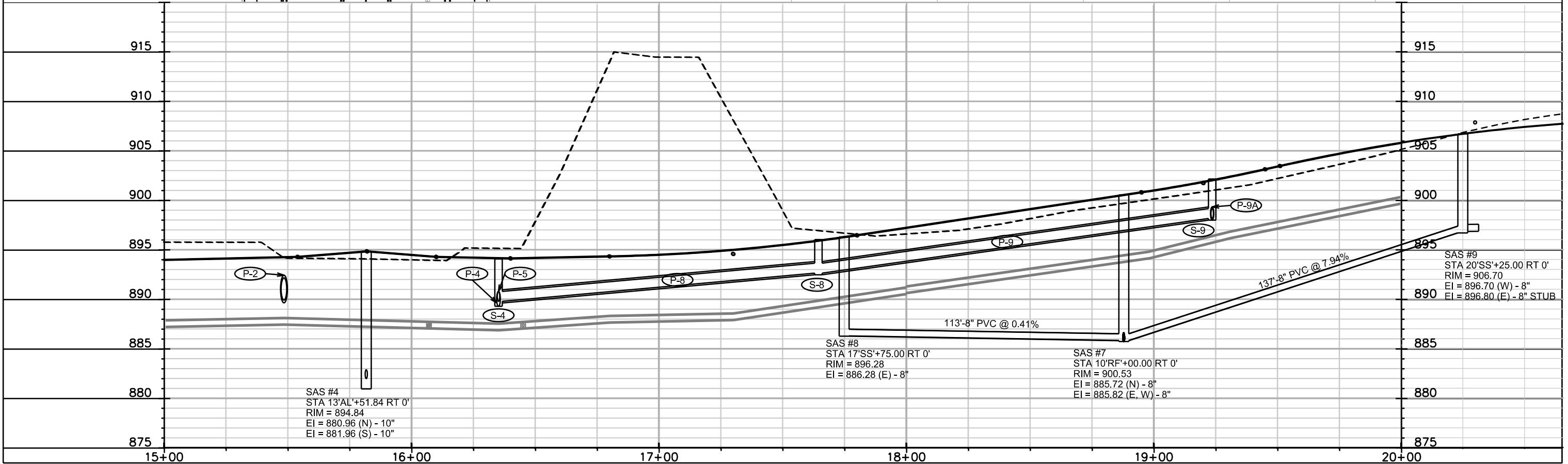
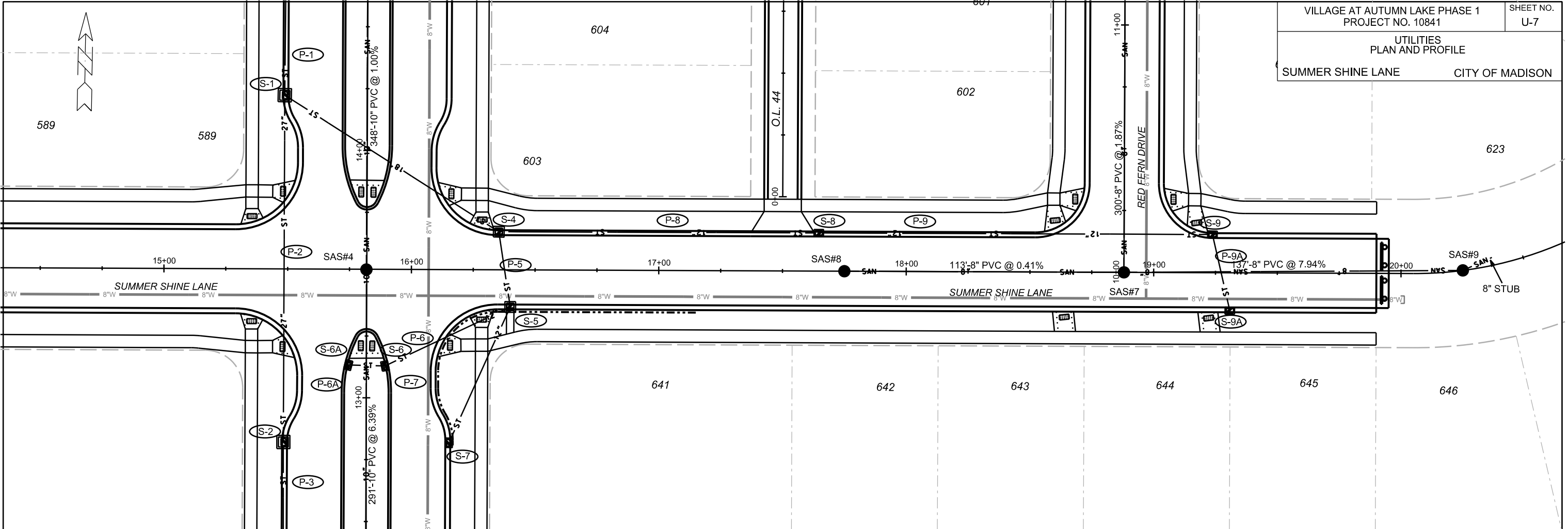
SAS #5
 STA 23'LL'+99.30 RT 0'
 RIM = 888.35
 EI = 877.48 (W) - 8"
 EI = 877.58 (S) - 8"
 EI = 877.58 (E) - 8" STUB

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SCHEDULE

ALIGNMENT CODES:

"AL" = AUTUMN LAKE PKWY
 "LL" = LEVITAN LANE
 "RF" = RED FERN DRIVE
 "SS" = SUMMER SHINE LANE

VILLAGE AT AUTUMN LAKE PHASE 1
 PROJECT NO. 10841

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	23'AL'+25.00	CL	886.63	871.79	14.84	-
SAS#2	19'AL'+79.00	CL	887.10	873.27	13.83	-
SAS#3	17'AL'+00.00	CL	888.50	877.38	11.12	-
SAS#4	13'AL'+51.84	CL	894.84	880.96	13.88	-
SAS#5	23'LL'+99.30	CL	888.35	877.48	10.87	-
SAS#6	13'RF'+00.00	CL	890.56	880.00	10.56	-
SAS#7	10'RF'+00.00	CL	900.53	885.72	14.81	-
SAS#8	17'SS'+75.00	CL	896.28	886.28	10.00	-
SAS#9	20'SS'+25.00	CL	906.70	896.70	10.00	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX SAS 7192-002	SAS#1	871.20	871.79	148	0.40%	15"	SDR-26	-
SAS#1	SAS#2	871.89	873.27	345	0.40%	15"	SDR-26	-
SAS#2	SAS#3	873.77	877.38	279	1.29%	10"	SDR-26	-
SAS#3	SAS#4	877.48	880.96	348	1.00%	10"	SDR-35	-
SAS#4	EX SAS 7130-003	881.96	900.56	291	6.39%	10"	SDR-35	-
SAS#2	SAS#5	875.27	877.48	306	0.72%	8"	SDR-35	-
SAS#5	SAS#6	877.58	880.00	327	0.74%	8"	SDR-35	-
SAS#6	SAS#7	880.10	885.72	300	1.87%	8"	SDR-35	-
SAS#7	SAS#8	885.82	886.28	113	0.41%	8"	SDR-35	-
SAS#7	SAS#9	885.82	896.70	137	7.94%	8"	SDR-35	-

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

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'AL' = AUTUMN LAKE PKWY
'SS' = SUMMER SHINE LANE

VILLAGE AT AUTUMN LAKE PH. 1
PROJECT NO. 10841

SHEET NO.
U-9

STORM SEWER SCHEDULE CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	15'AL'+00.00	LT-33.50	30" RCP AE	-	883.93	-	W/ GATE
S-1	14'AL'+22.04	LT-33.50	4X4 SAS	891.51	886.51	5.00	W/ R-3067-V-7004
S-2	12'AL'+81.90	LT-33.50	4X4 SAS	898.02	893.02	5.00	W/ R-3067-V-7004
S-3	10'AL'+98.00	LT-33.00	CONCRETE COLLAR	-	903.00	-	-
S-4	16'SS'+35.00	LT-15.50	3X3 SAS	894.07	889.27	4.80	W/ R-3067-V-7004
S-5	16'SS'+40.00	RT-15.50	3X3 SAS	894.93	891.13	3.80	LP; W/ R-3067-7004-VB
S-6	13'AL'+13.63	RT-7.62	H INLET	896.82	893.42	3.40	W/ R-3067-V-7004
S-6A	13'AL'+13.63	LT-7.62	H INLET	896.82	893.50	3.32	W/ R-3067-V-7004
S-7	12'AL'+82.90	RT-33.50	H INLET	897.96	894.56	3.40	W/ R-3067-V-7004
S-8	17'SS'+64.58	LT-15.50	H INLET	896.02	892.62	3.40	W/ R-3067-V-7004
S-9	19'SS'+24.00	LT-15.50	H INLET	902.14	898.14	4.00	W/ R-3067-V-7004
S-9A	19'SS'+31.13	RT-15.50	H INLET	902.49	899.09	3.40	W/ R-3067-V-7004

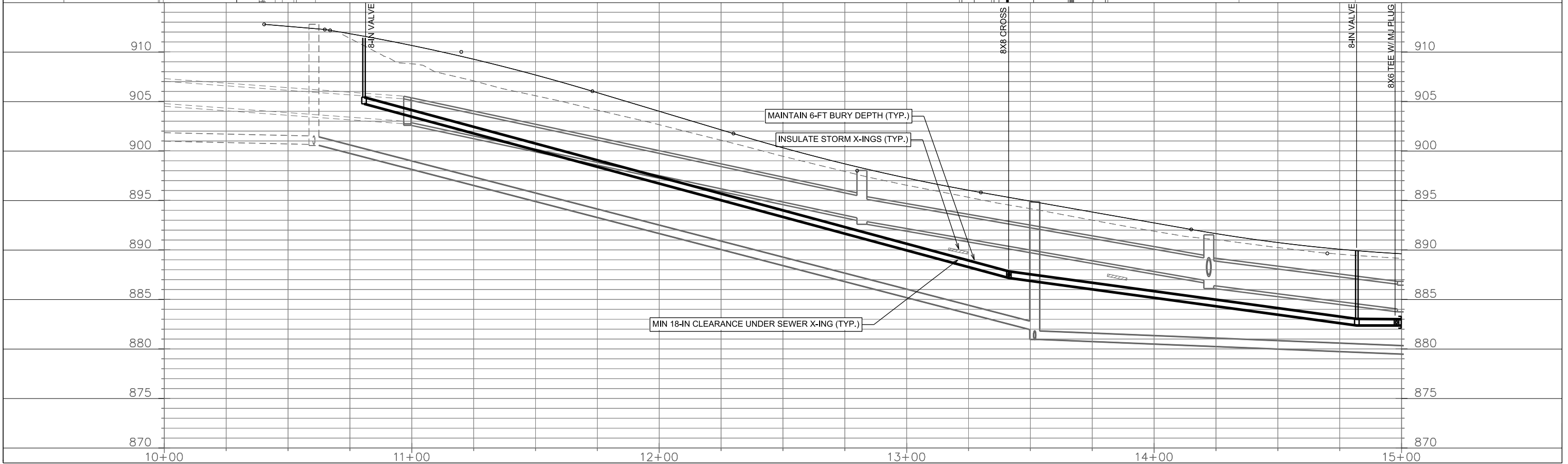
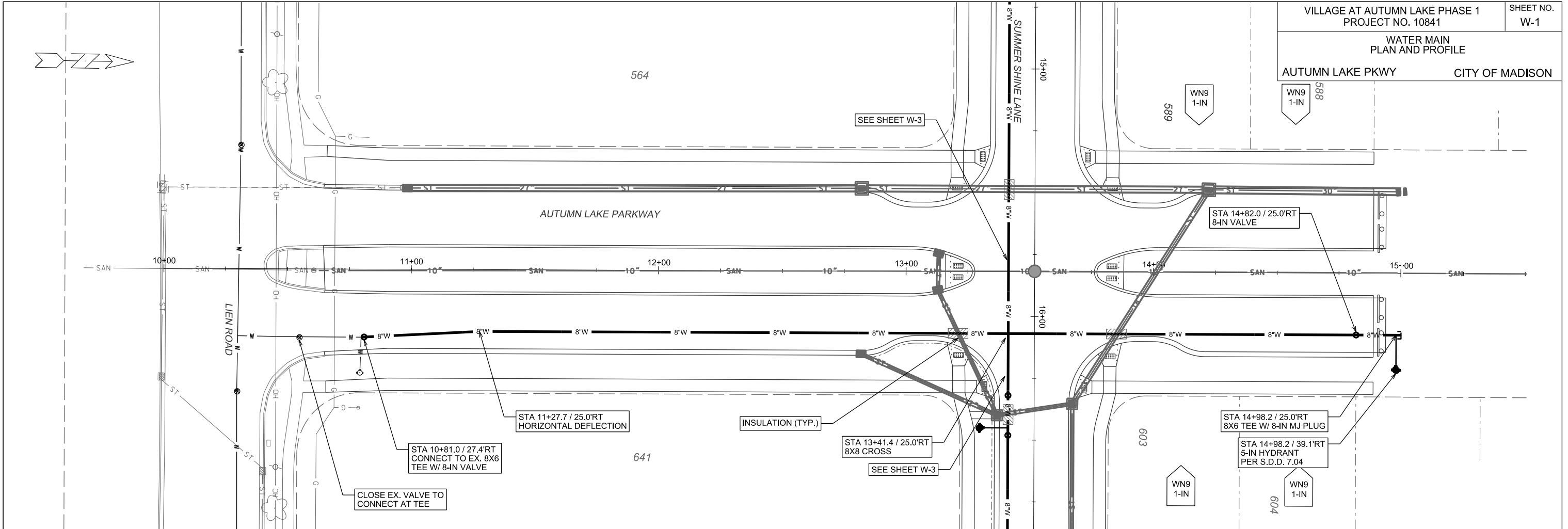
PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-0	S-1	78	883.93	886.51	3.47%	30"	RCP	-
P-2	S-1	S-2	140	886.76	893.02	4.60%	27"	RCP	-
P-3	S-2	S-3	184	893.02	903.00	5.54%	27"	RCP	-
P-4	S-1	S-4	103	887.51	889.27	1.79%	18"	RCP	-
P-5	S-4	S-5	31	889.77	891.13	4.81%	12"	RCP	-
P-6	S-5	S-6	56	891.13	893.42	4.30%	12"	RCP	-
P-6A	S-6	S-6A	15	893.42	893.50	0.63%	12"	RCP	-
P-7	S-5	S-7	60	891.13	894.56	5.96%	12"	RCP	-
P-8	S-4	S-8	129	889.77	892.62	2.26%	12"	RCP	-
P-9	S-8	S-9	159	892.62	898.14	3.54%	12"	RCP	-
P-9A	S-9	S-9A	32	898.14	899.09	3.21%	12"	RCP	-

SPECIFIC NOTES

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
- 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, OR FAX SHOP DRAWINGS TO (608)264-9275.

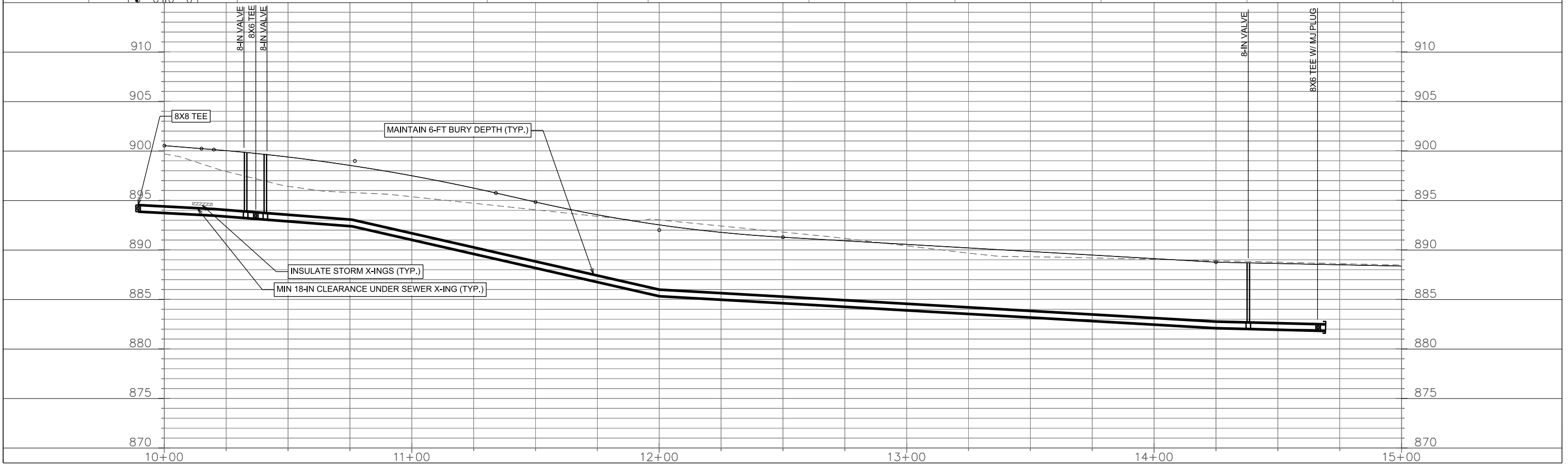
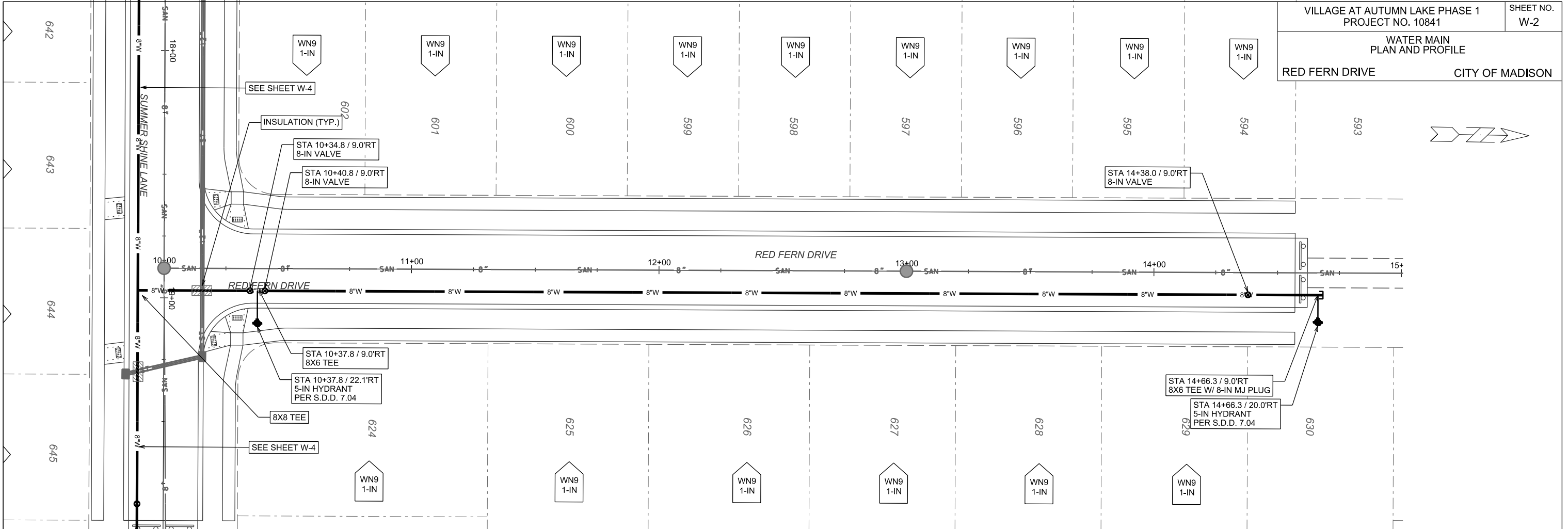


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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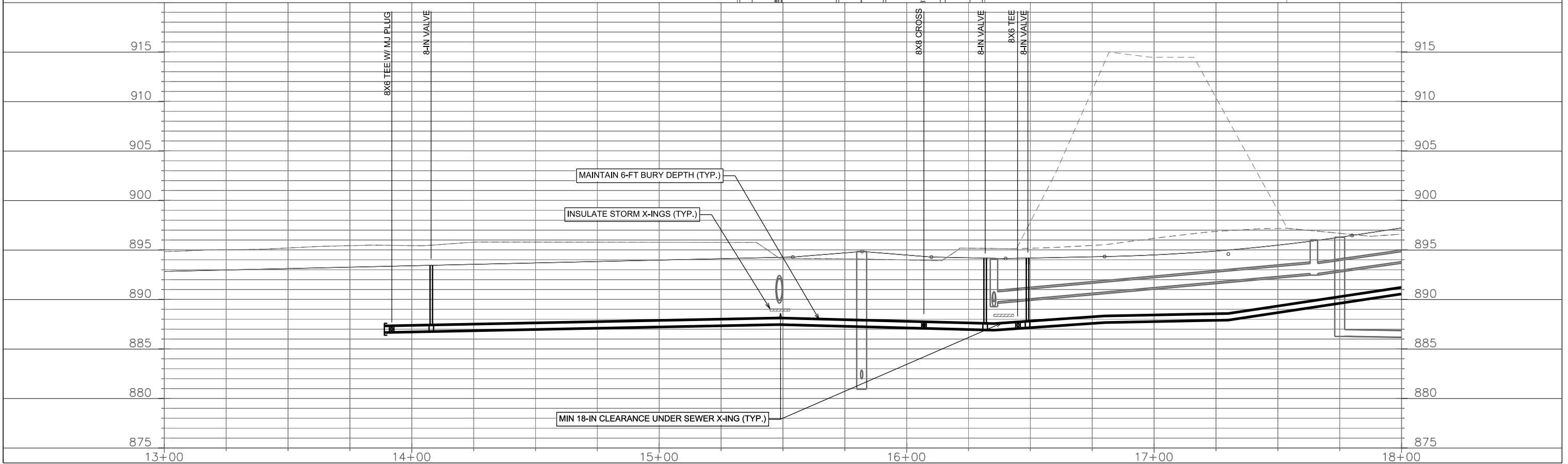
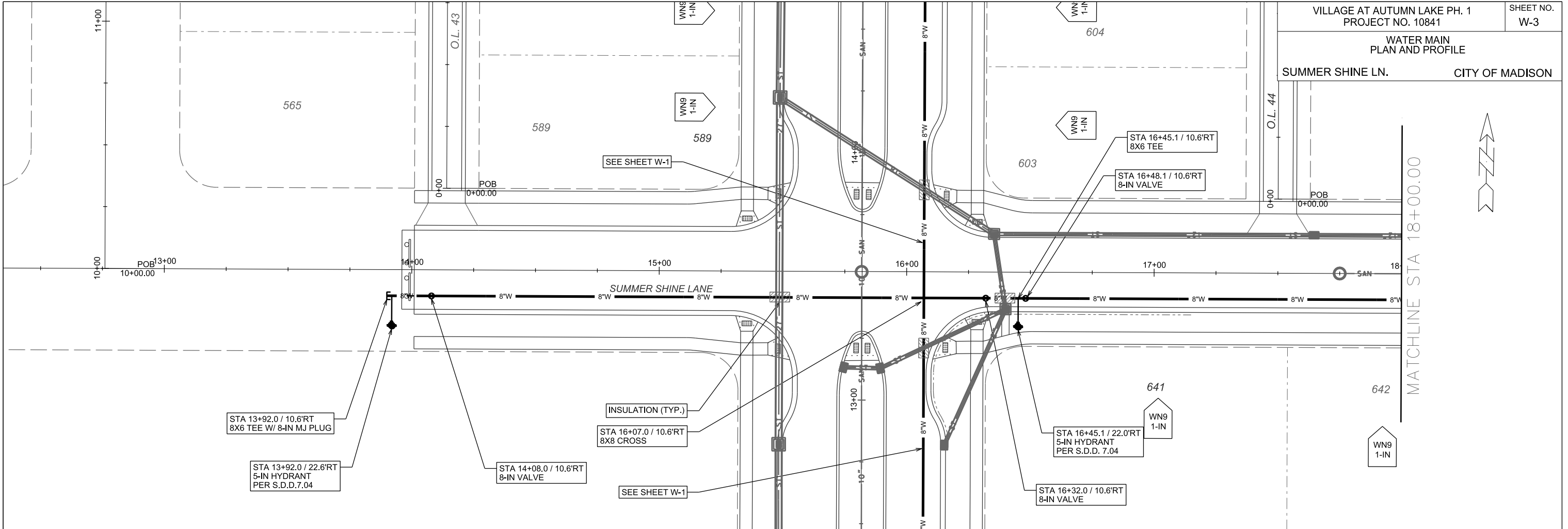
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER MAIN
PLAN AND PROFILE

SUMMER SHINE LN. CITY OF MADISON

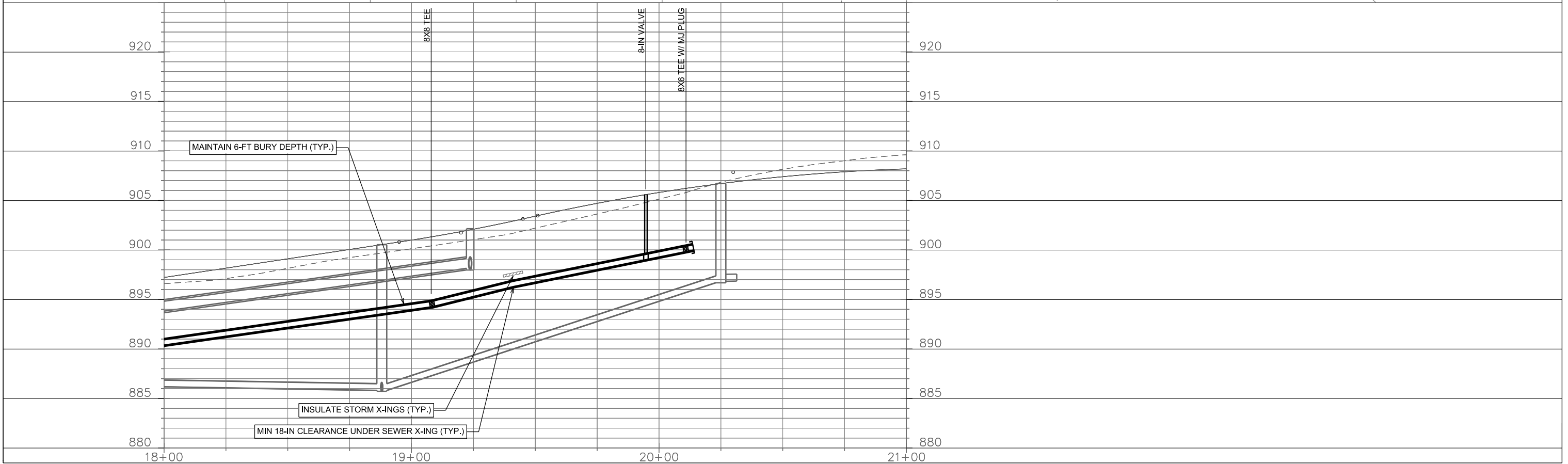
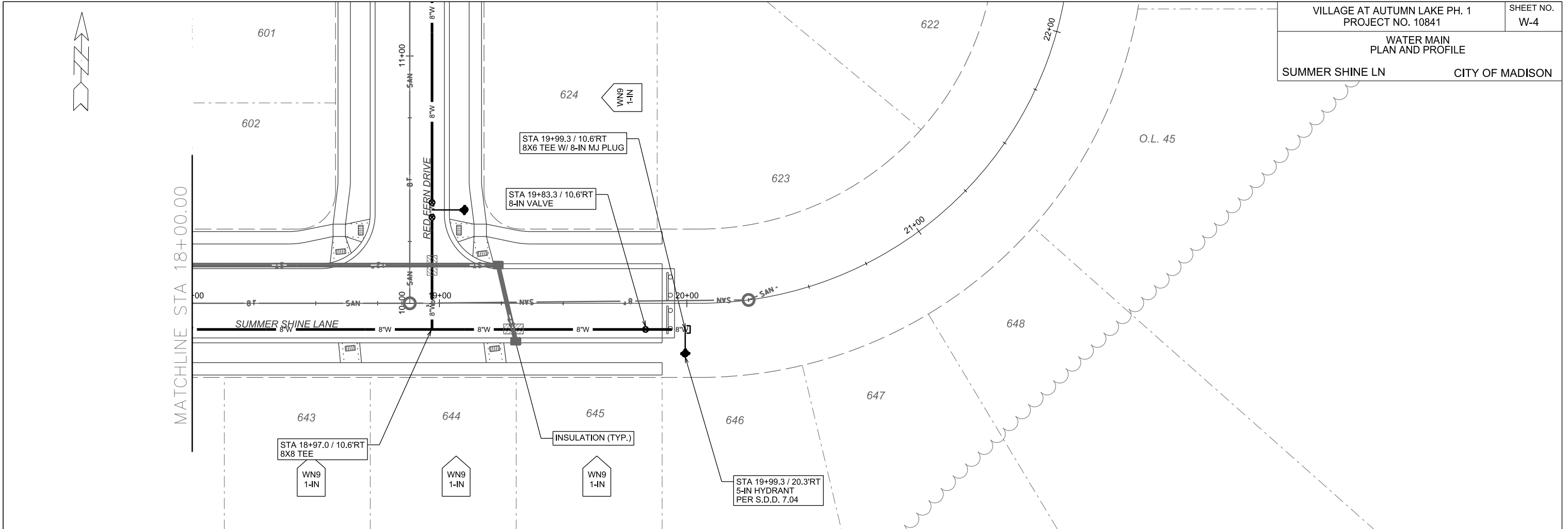


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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER ESTIMATE OF MATERIALS

VILLAGE AT AUTUMN LAKE CITY OF MADISON

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.

CONSTRUCTION NOTES:

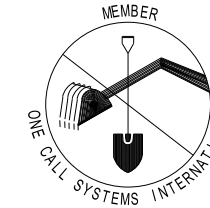
1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION 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

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.



ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- | | |
|-----------------------|---|
| 60-FT - 6-IN PIPE | 6 - 5-IN HYDRANT |
| 1,510-FT - 8-IN PIPE | 48 - LF 2-IN FOAM INSULATION |
| 1,730-FT - POLYWRAP | COPPER SERVICE TUBING & COUPLINGS (AS REQ'D) |
| 9 - 8-IN VALVE & BOX | HYDRANT OR VALVE BOX RISERS/EXTENSIONS (AS REQ'D) |
| 6 - 8-IN X 6-IN TEE | |
| 1 - 8-IN X 8-IN TEE | |
| 1 - 8-IN X 8-IN CROSS | |
| 4 - 8-IN MJ PLUG | |

ESTIMATE OF MATERIALS SUPPLIED BY CITY:

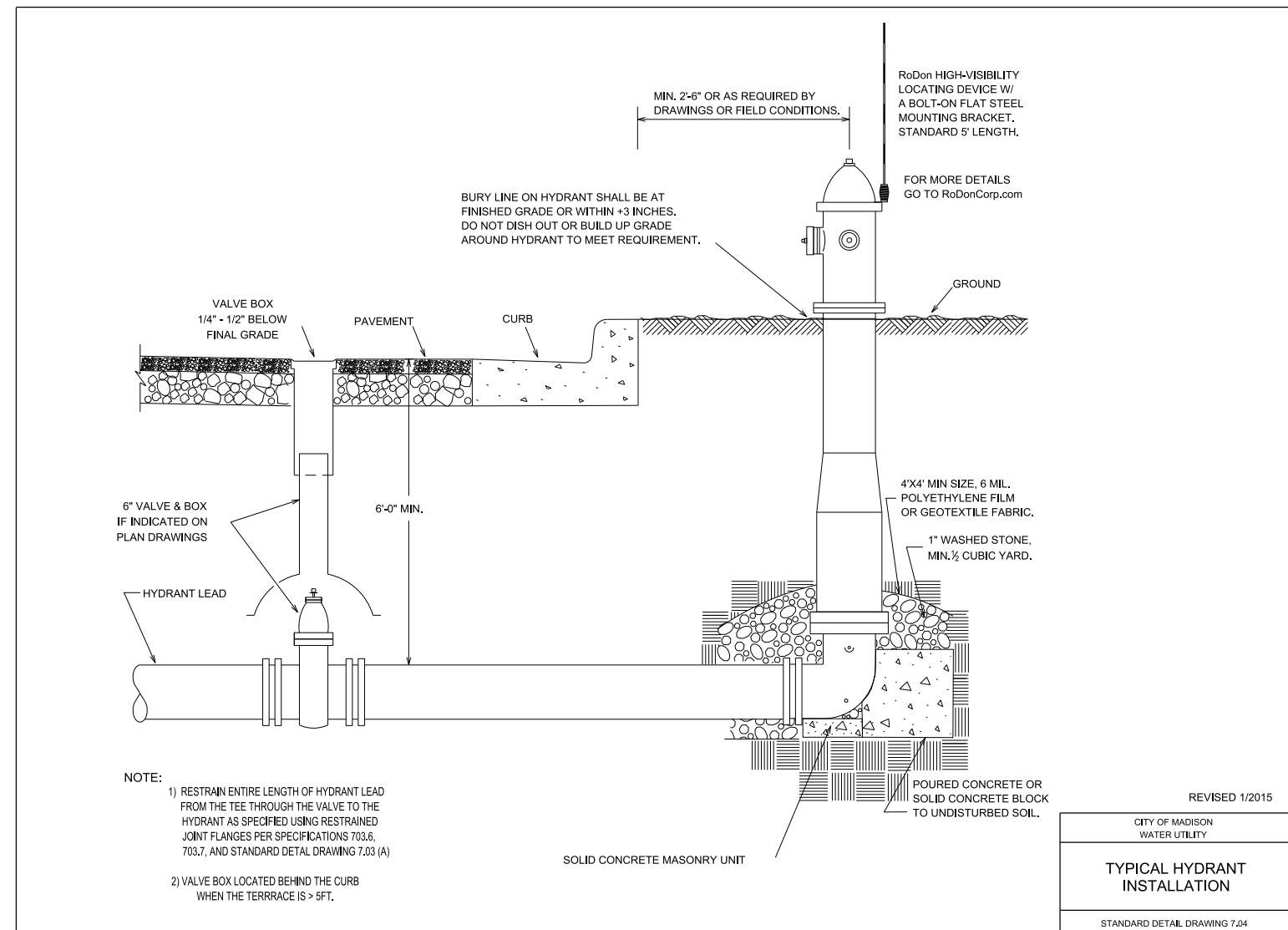
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

NONE

ESTIMATE OF MATERIALS REMOVED AND REUSED:

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

NONE



REVISED 1/2015

CITY OF MADISON
WATER UTILITY

TYPICAL HYDRANT
INSTALLATION

STANDARD DETAIL DRAWING 7.04