



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 18, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 7/13/18
City Engineer Date

SANITARY SEWER DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
MARK D. MODER
E-39979
MADISON WI
6/21/18

STORM SEWER DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
JANET SCHMIDT
E-34681
MADISON WI
6-22-18

STREET GRADES DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
JOHN P. SAPP
44054
Janesville, WI
6-20-18

WATER DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
ADAM R. WIEDERHOEFT
E-41559
MADISON WI
6-12-2018

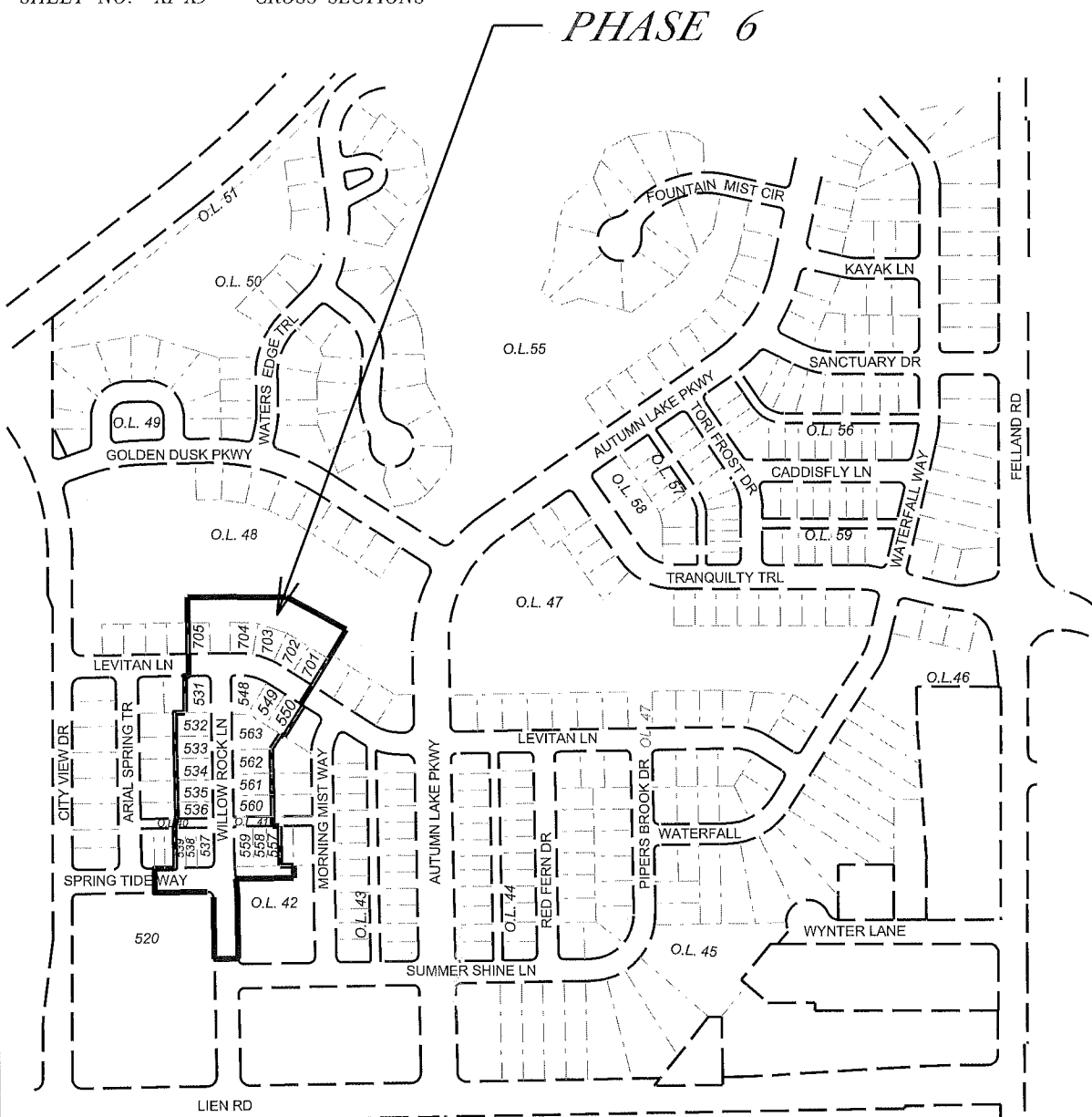
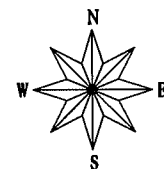
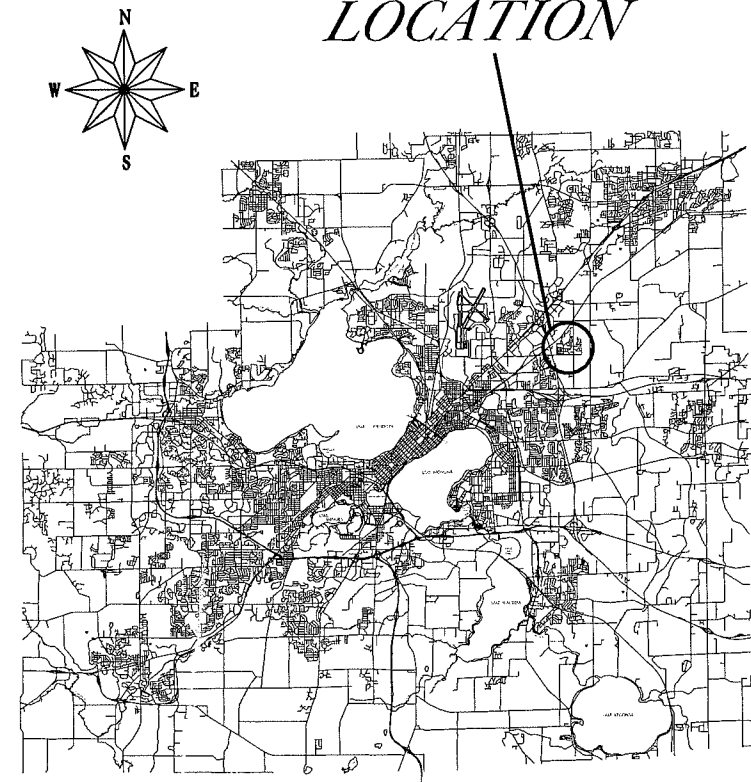
INDEX OF SHEETS - STREETS

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VILLAGE AT AUTUMN LAKE REPLAT, PHASE 6

MUNIS NO. 11926
CITY PROJECT NO. 11926
CITY CONTRACT NO. 8175

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, REFERING 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, WILLOW ROCK ROAD, SPRING TIDE ROAD, AND ALL OUTLOT RIGHT-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 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 

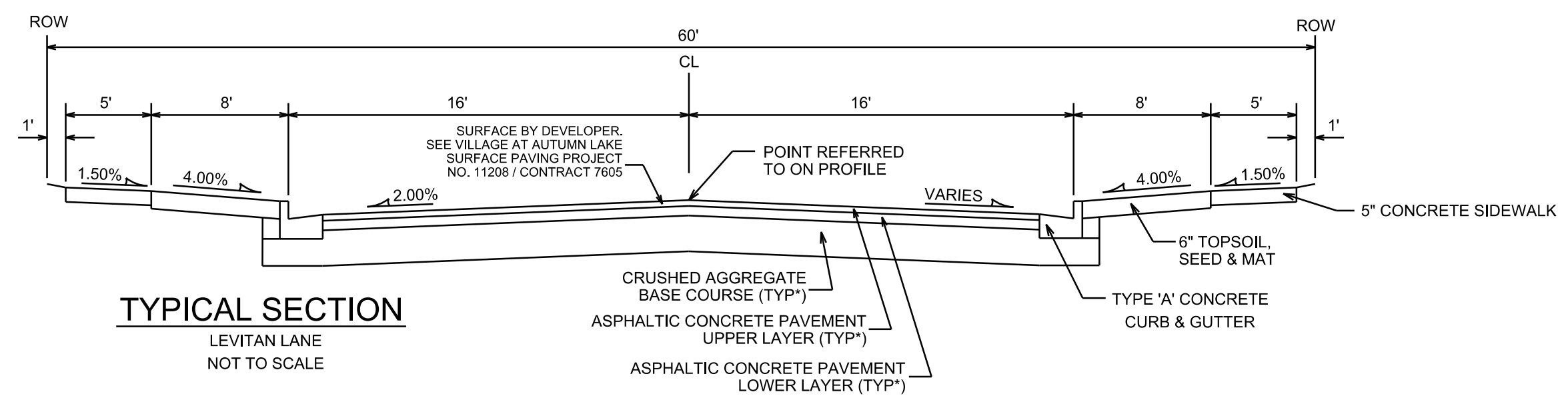
COMBUSTIBLE FLUIDS 

PLOT SCALE: _____

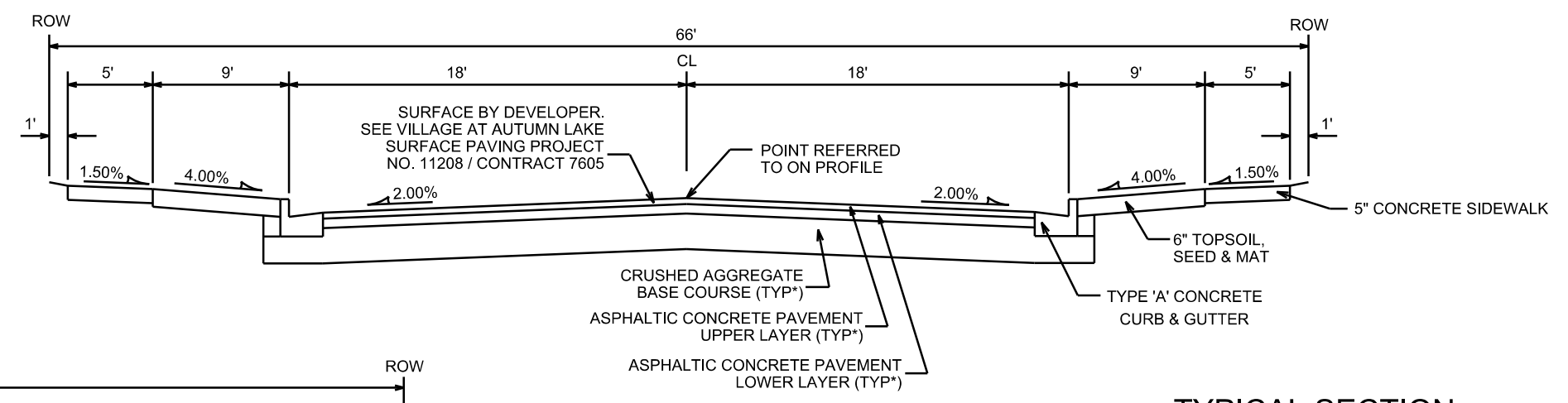
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REV. DATE: _____

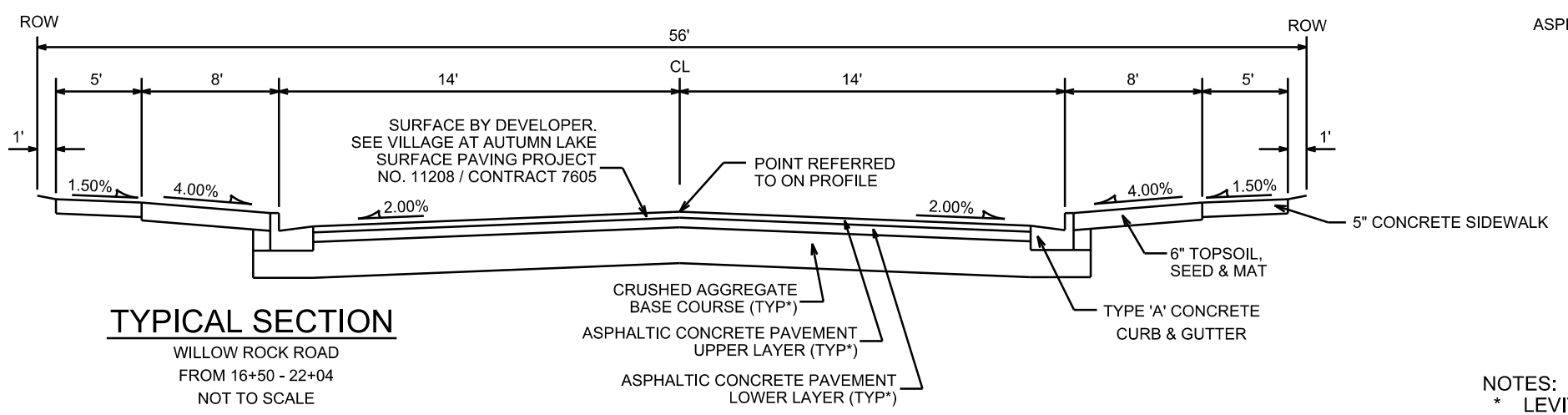
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
LEVITAN LANE
NOT TO SCALE



TYPICAL SECTION
SPRING TIDE ROAD &
WILLOW ROCK ROAD
FROM STA STA 14+00 - 15+84
NOT TO SCALE



TYPICAL SECTION
WILLOW ROCK ROAD
FROM 16+50 - 22+04
NOT TO SCALE

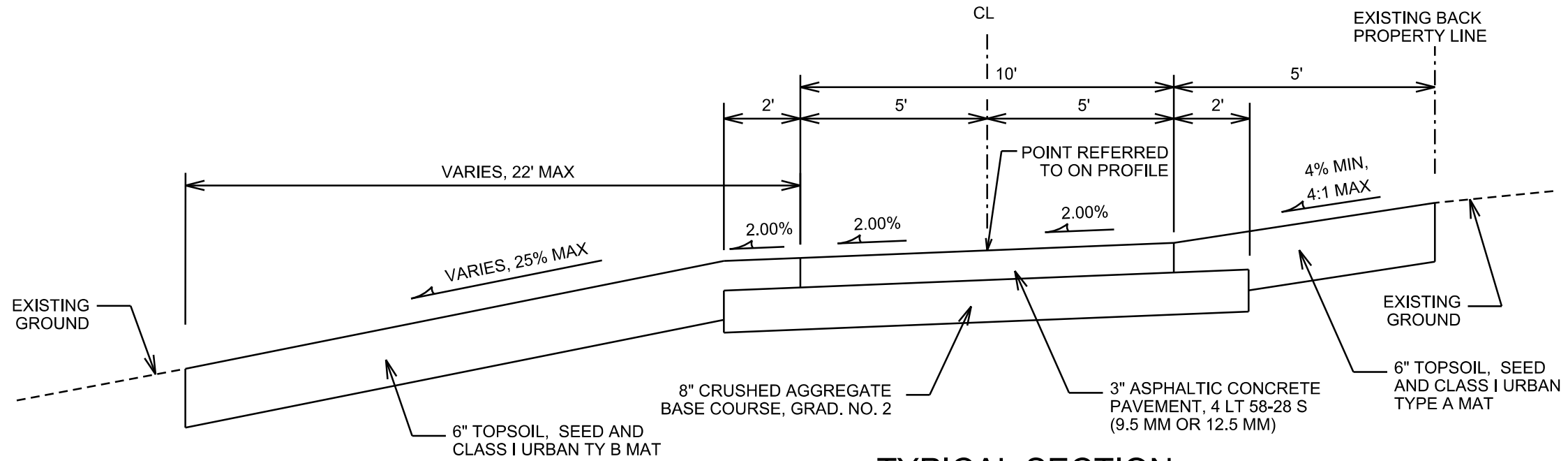
NOTES:
* LEVITAN LN, WILLOW ROCK RD, AND SPRING TIDE RD TO BE CONSTRUCTED AS TYPE 'A' PAVEMENT; PER CITY OF MADISON MINIMUM PAVEMENT DESIGN (SEE †)

WILLOW ROCK ROAD RIGHT OF WAY AND STREET WIDTH VARIES FROM STA 15+84 TO 16+50 THROUGH THE SPRING TIDE ROAD INTERSECTION WITH LEVITAN LN. SEE P-2 FOR DETAILS

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER	UPPER LAYER	LOWER LAYER		UPPER LAYER	
	GRADATION 1	GRADATION 2	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"

† CITY OF MADISON MINIMUM PAVEMENT DESIGN

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



TYPICAL SECTION

OL 48 PATH
NOT TO SCALE

PLOT SCALE: _____

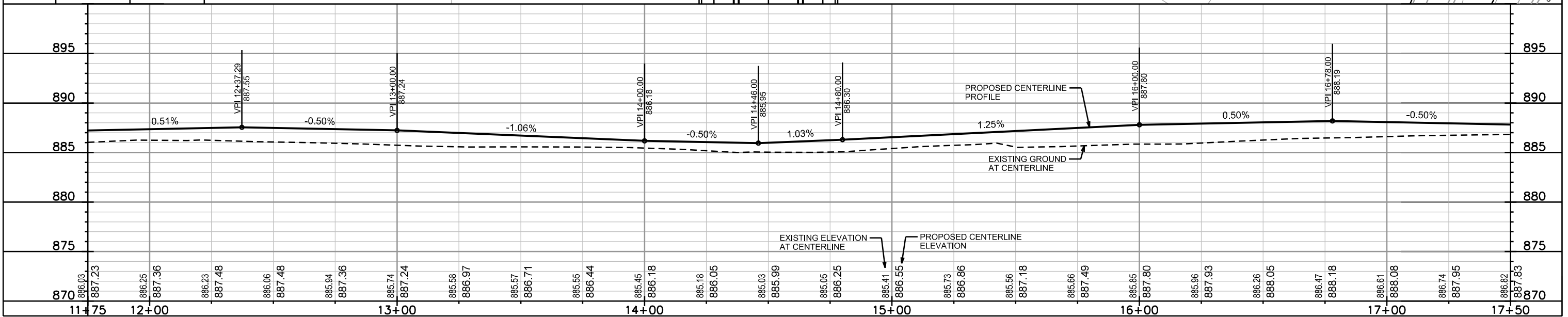
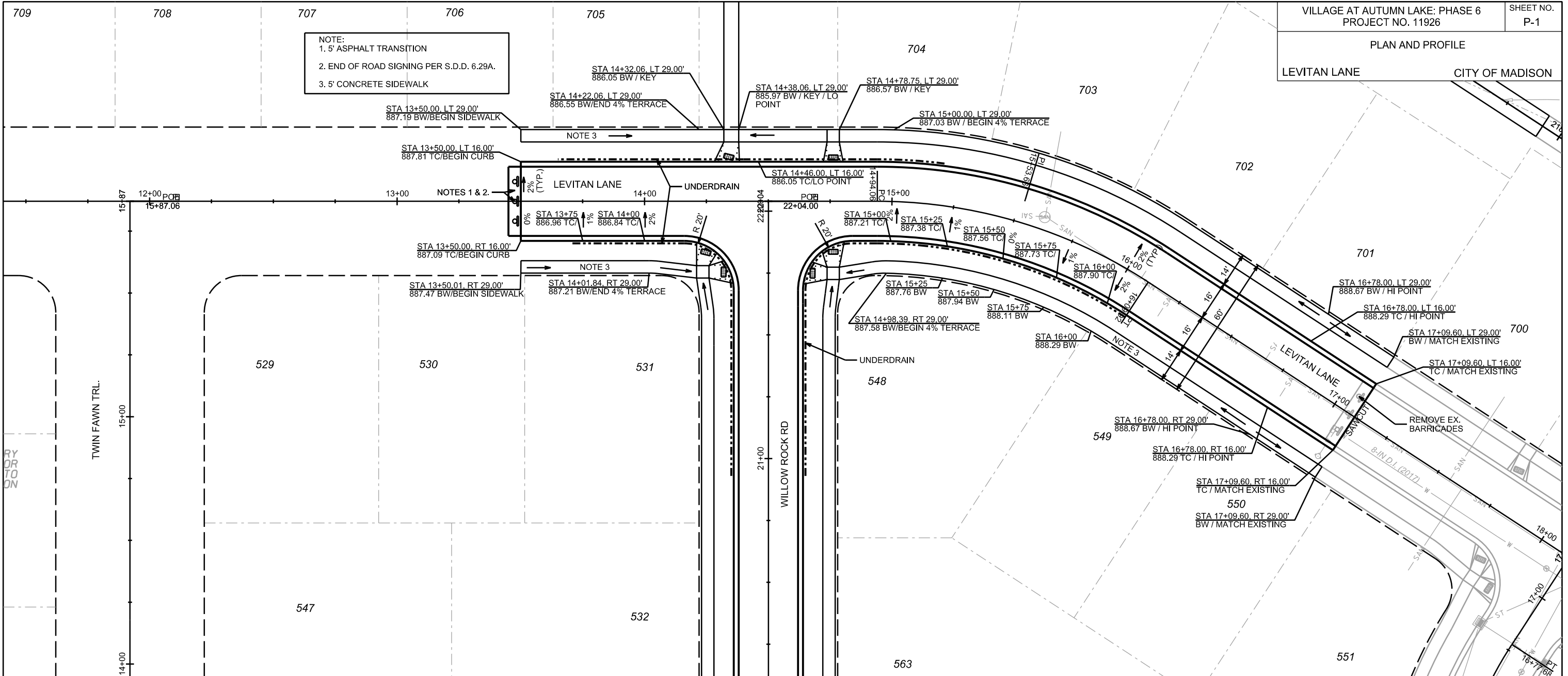
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
LEVITAN LANE CITY OF MADISON

NOTE:
1. 5' ASPHALT TRANSITION
2. END OF ROAD SIGNING PER S.D.D. 6.29A.
3. 5' CONCRETE SIDEWALK

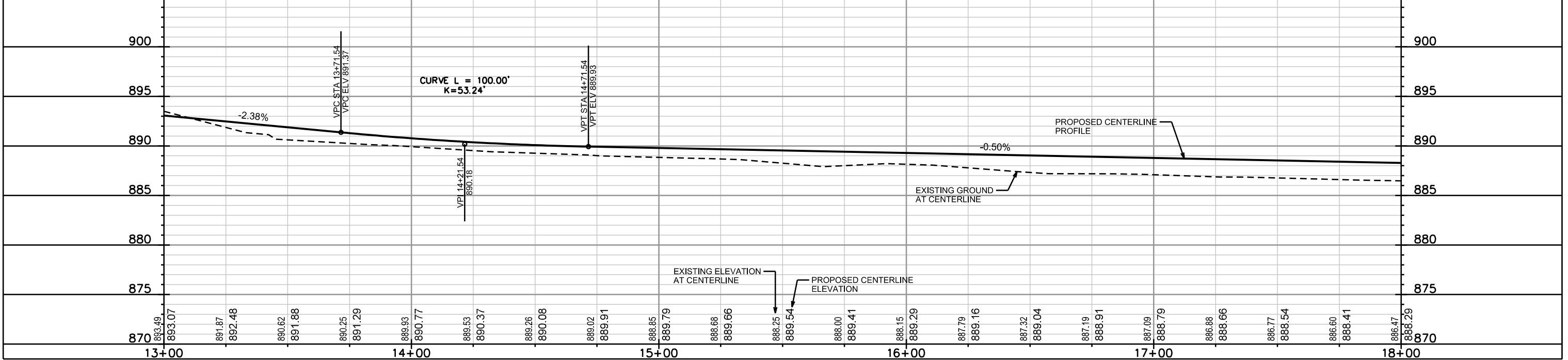
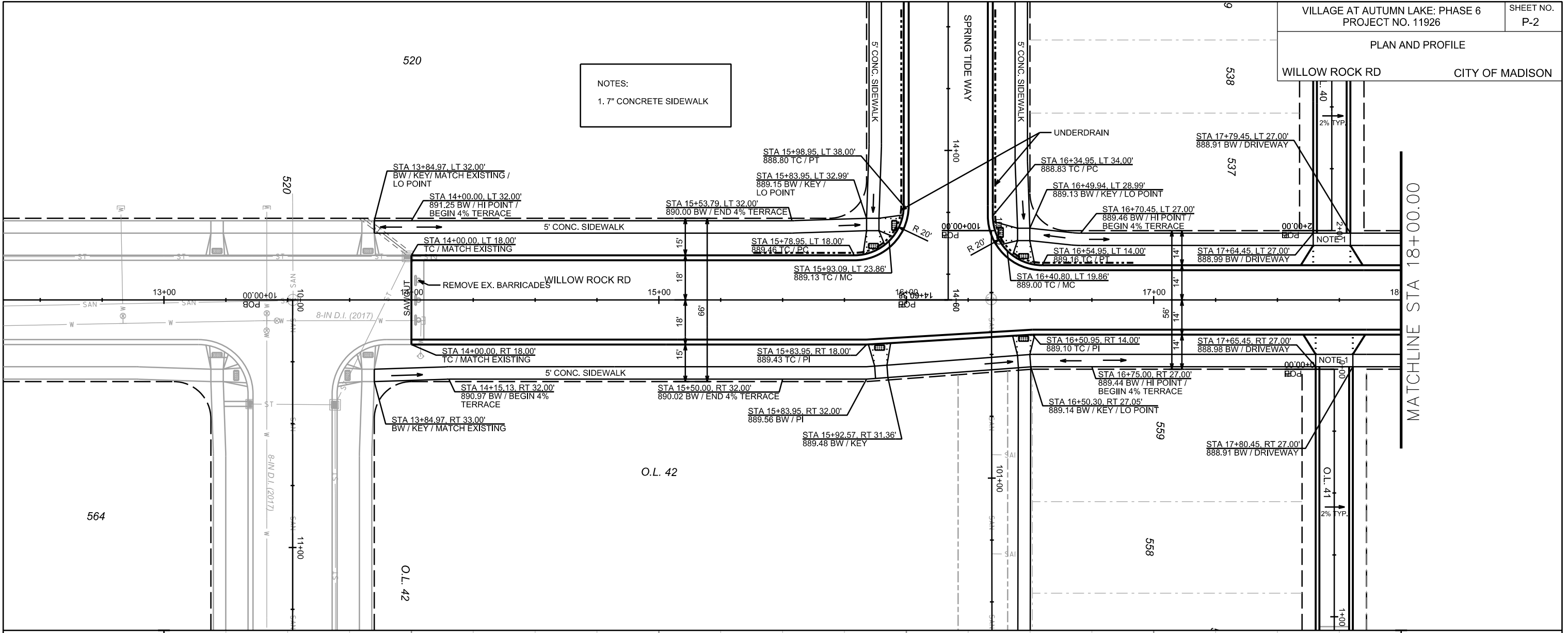


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PLOT NAME: _____
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
WILLOW ROCK RD CITY OF MADISON

NOTES:
1. 7" CONCRETE SIDEWALK



PLOT SCALE:

PLOT NAME:

REV. DATE:

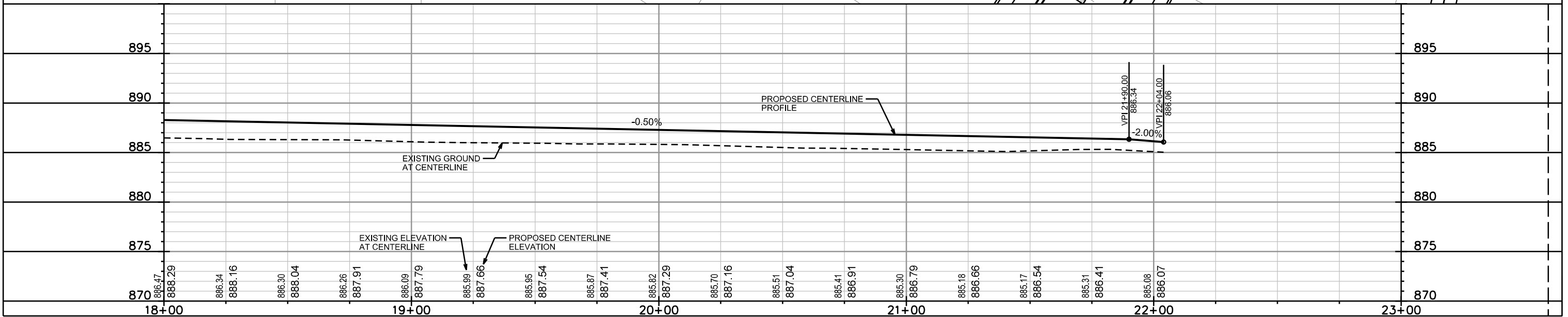
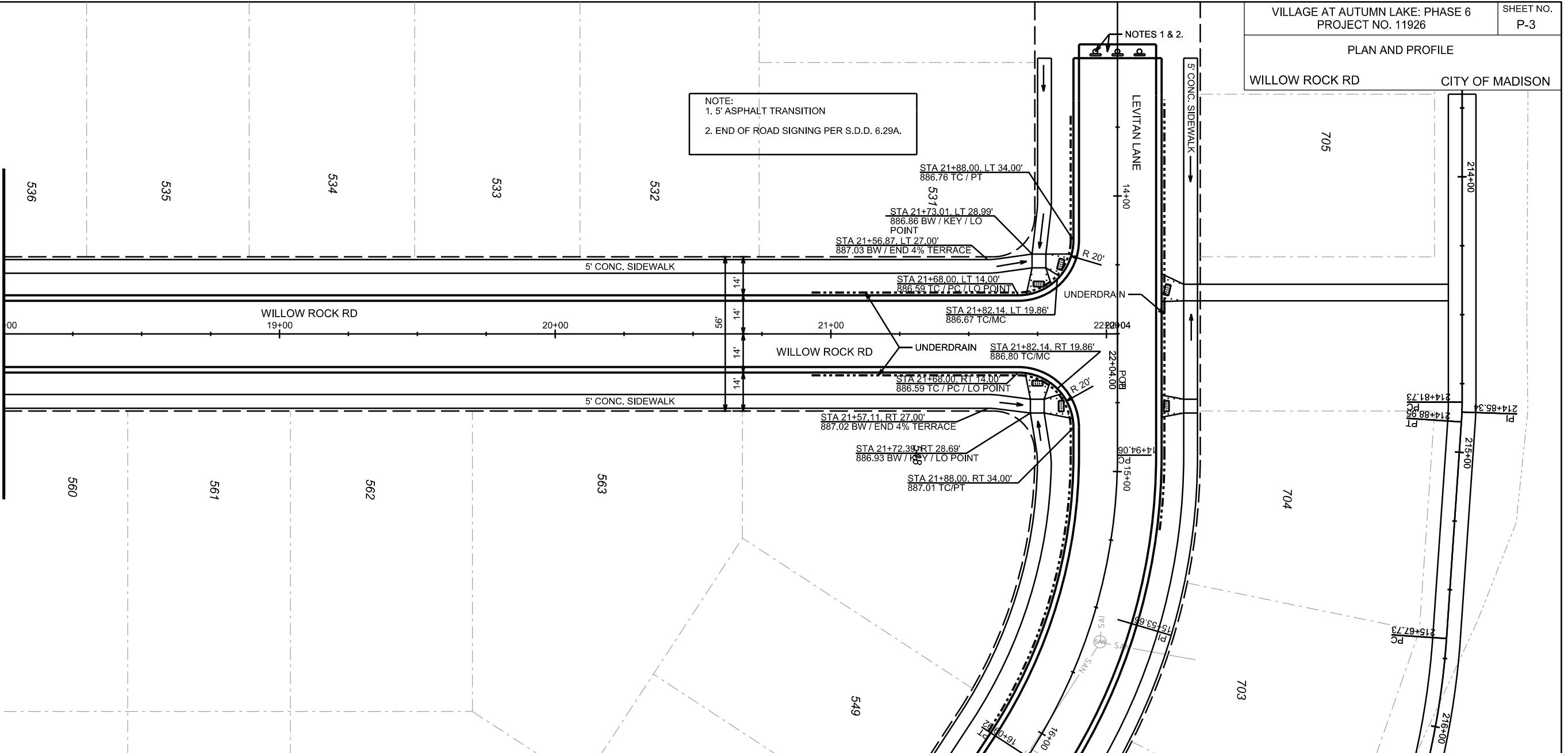
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

WILLOW ROCK RD CITY OF MADISON

NOTE:
1. 5' ASPHALT TRANSITION
2. END OF ROAD SIGNING PER S.D.D. 6.29A.

MATCHLINE STA 18+00.00



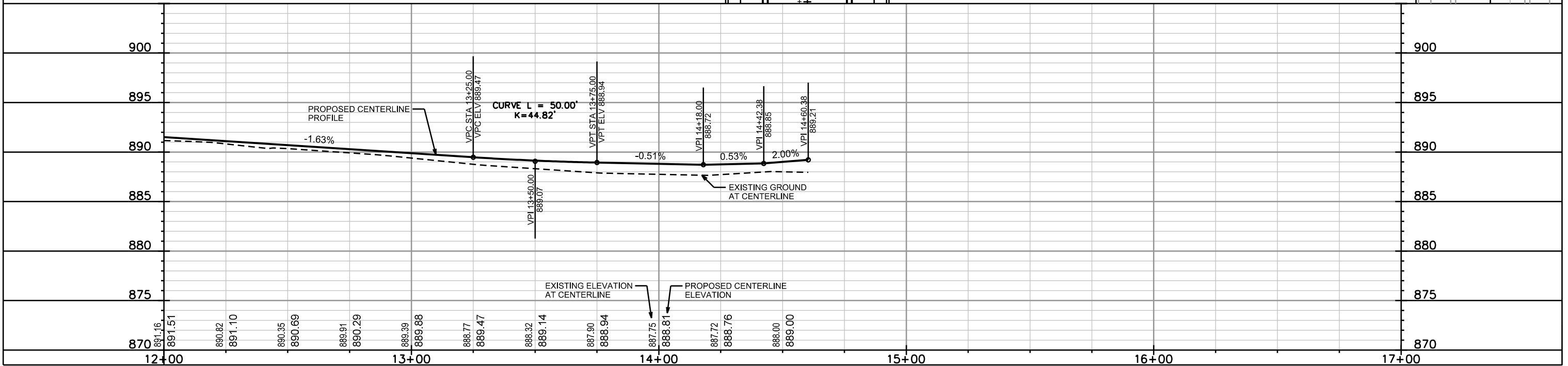
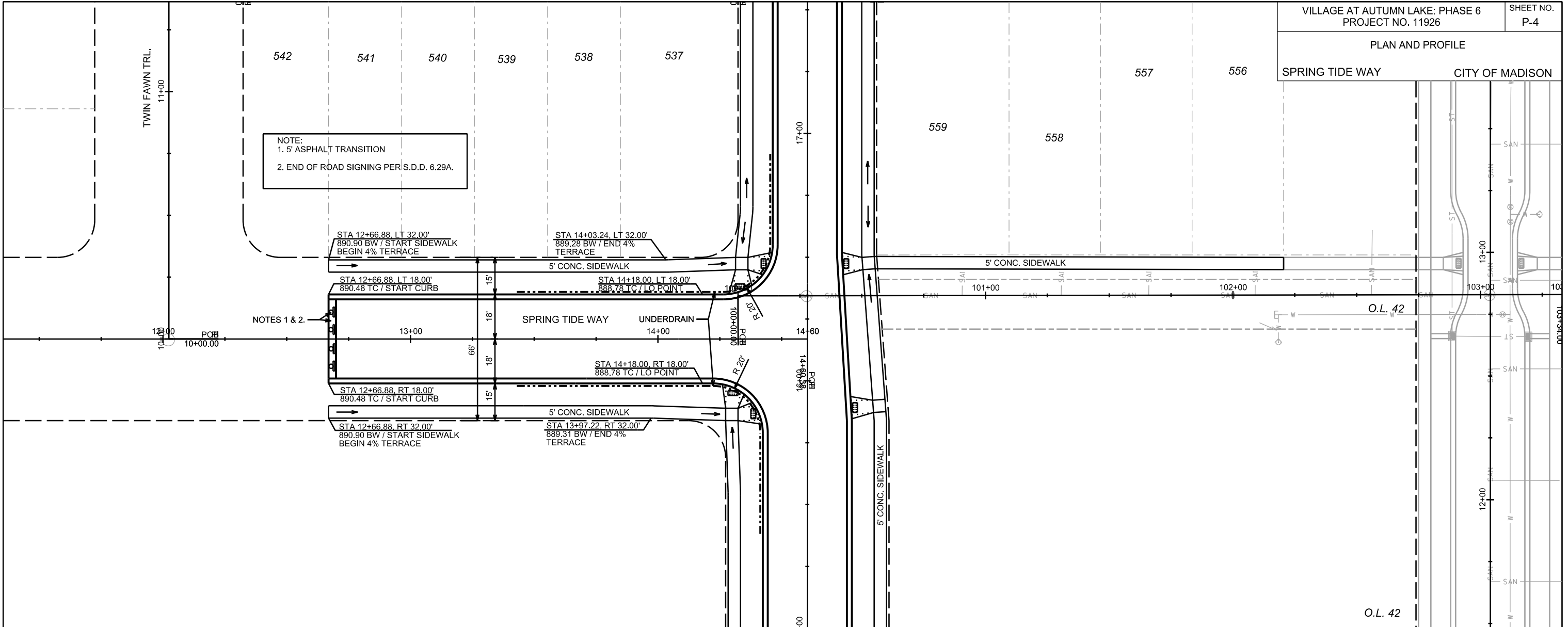
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SPRING TIDE WAY CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

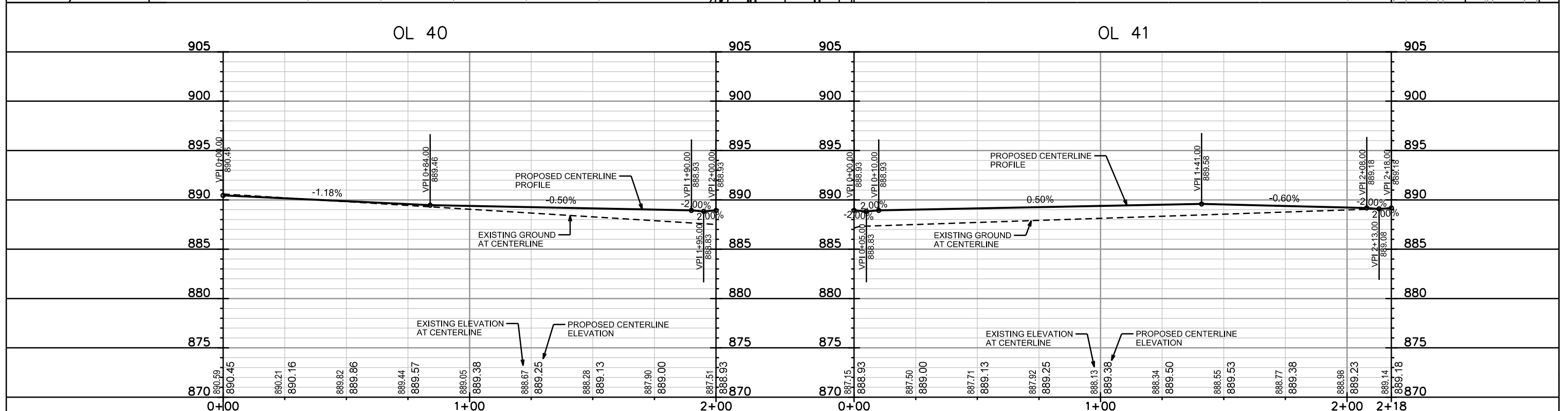
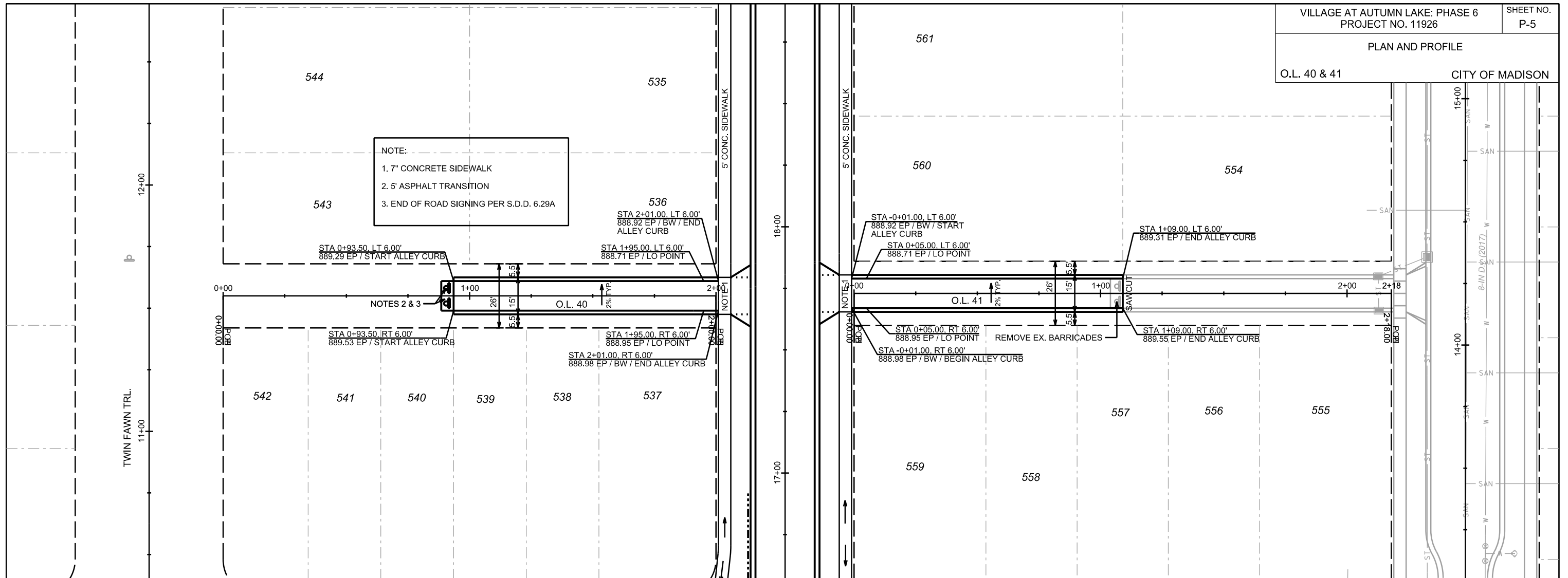
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

O.L. 40 & 41

CITY OF MADISON

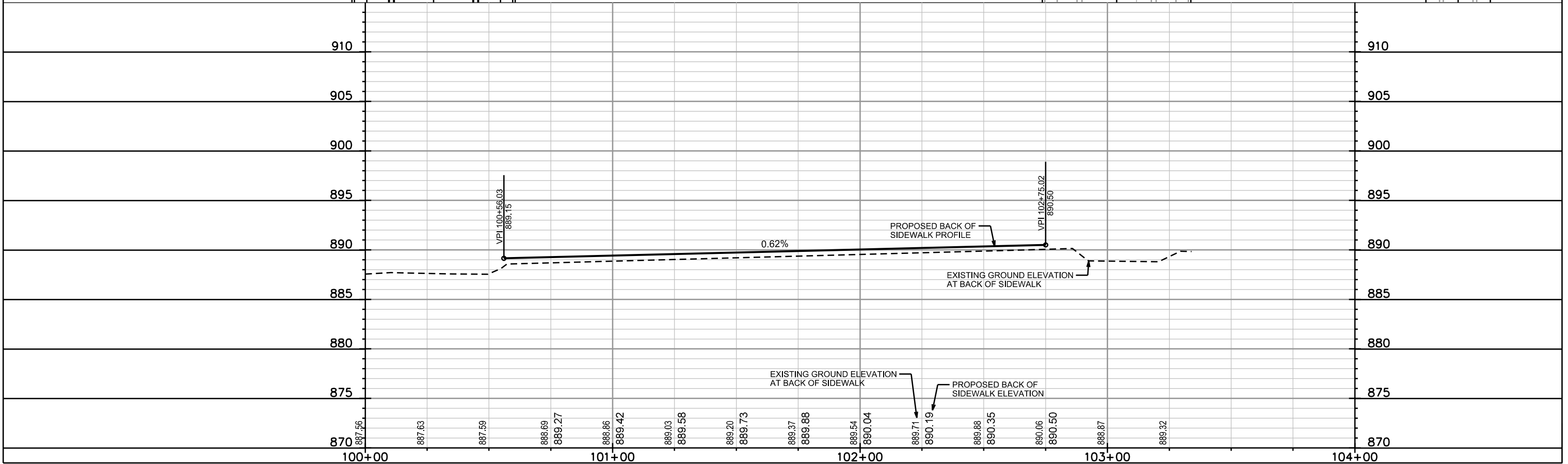
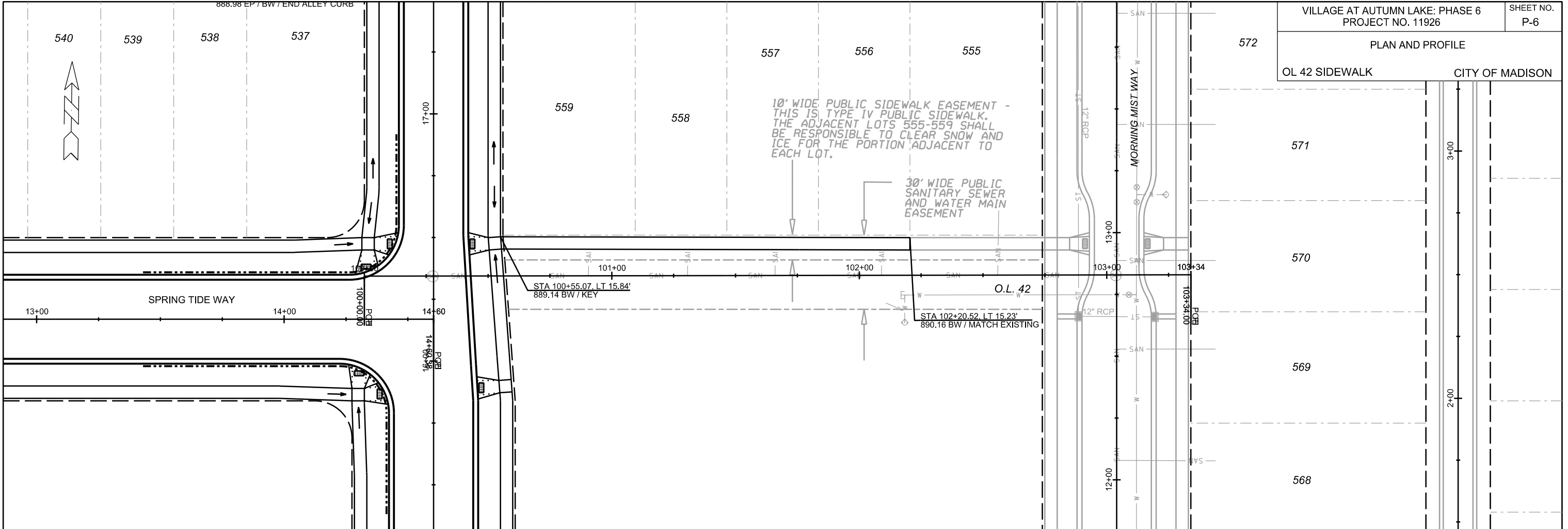


PLOT SCALE: _____

PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

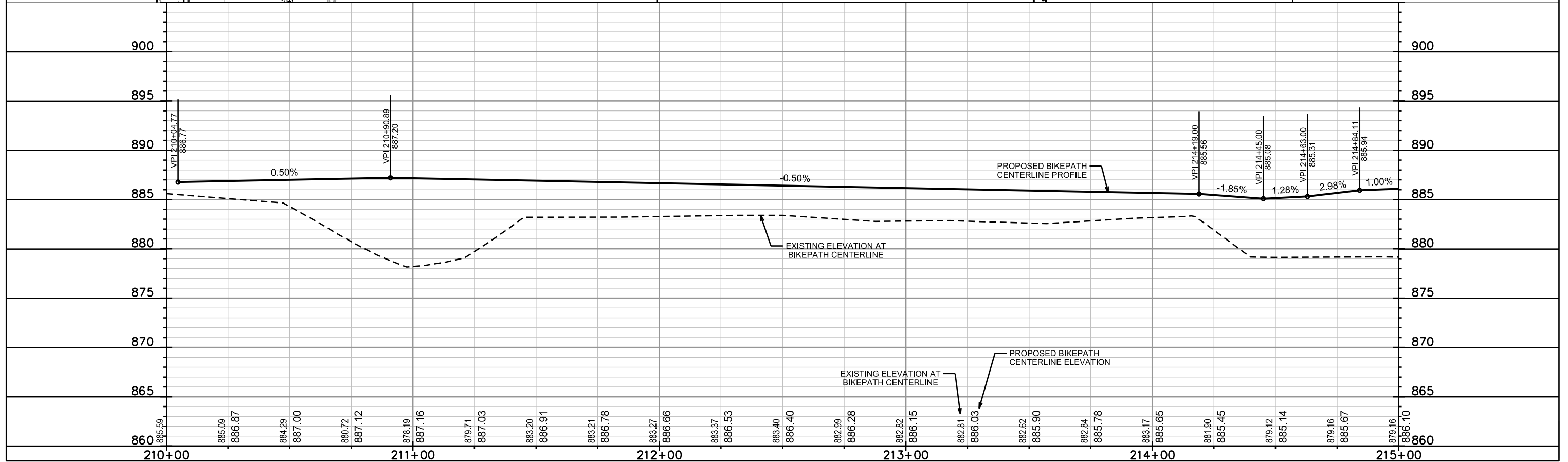
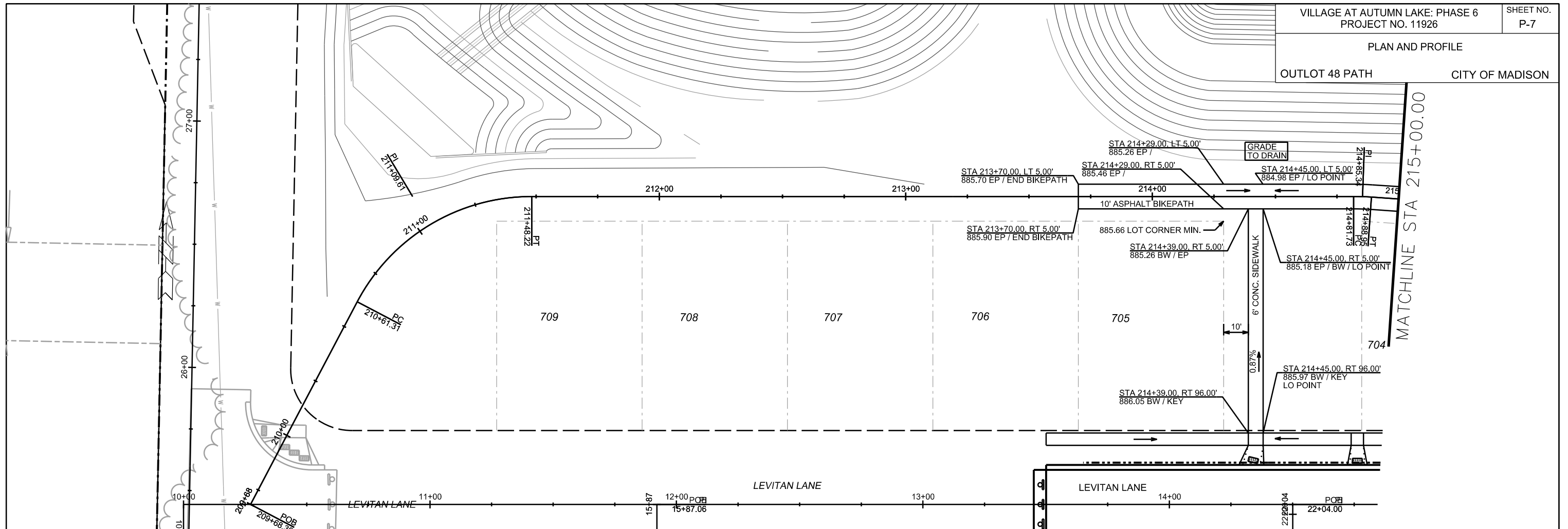
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

OUTLOT 48 PATH CITY OF MADISON



PLOT SCALE: _____

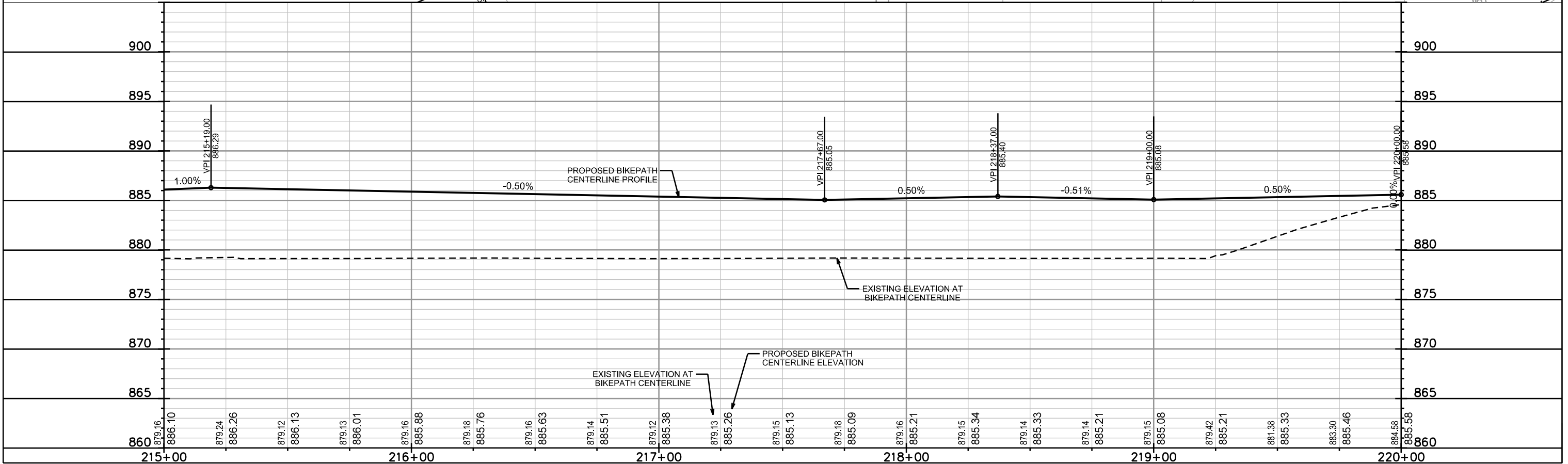
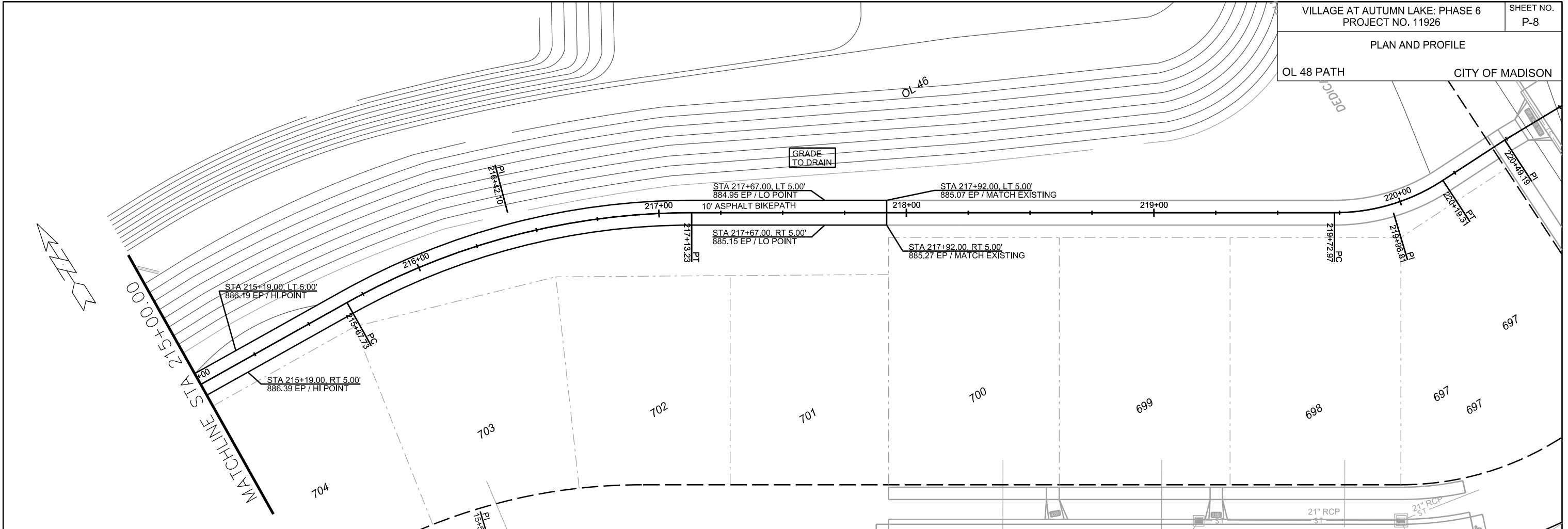
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

OL 48 PATH CITY OF MADISON

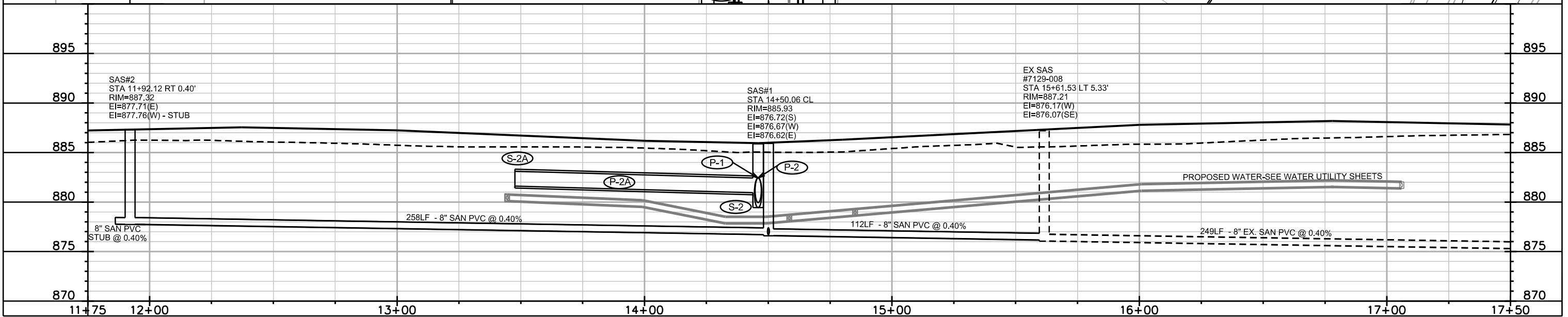
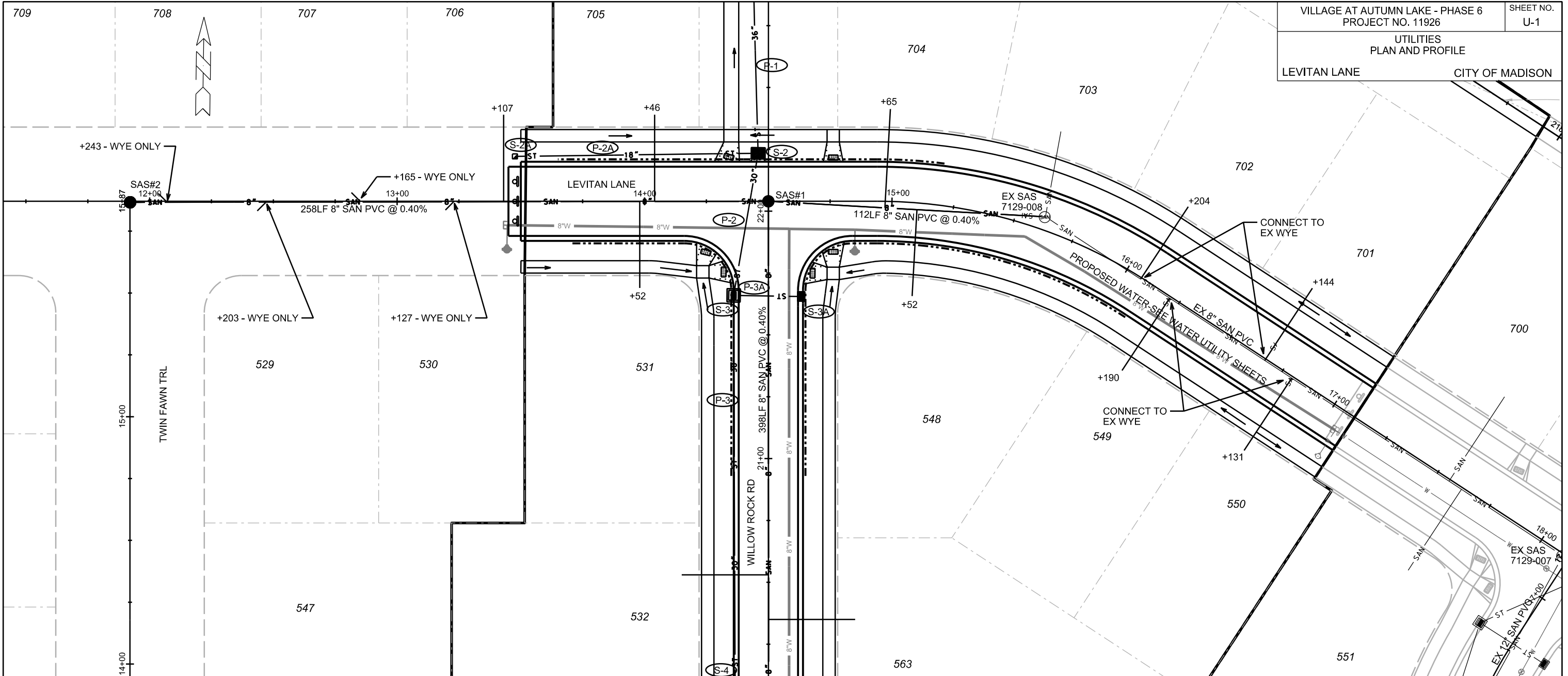


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PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

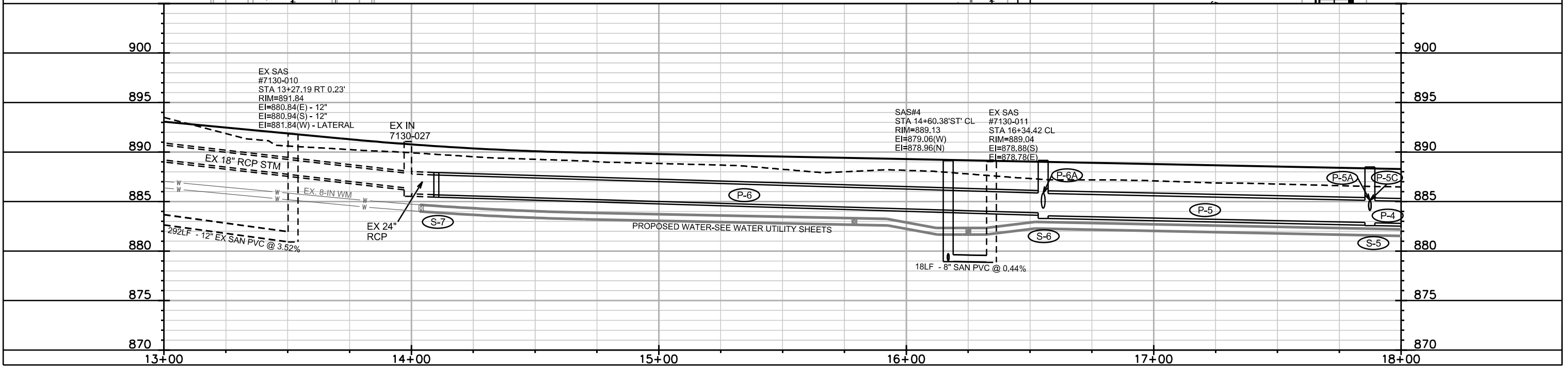
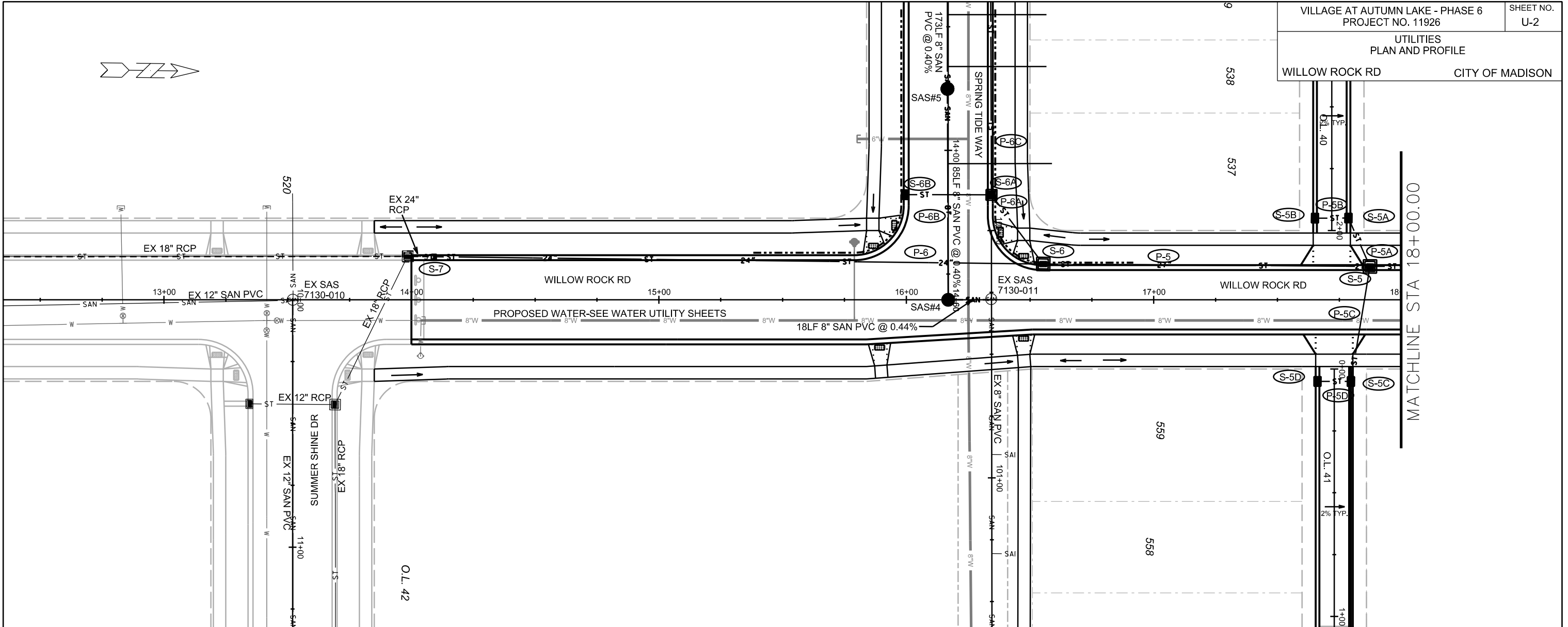


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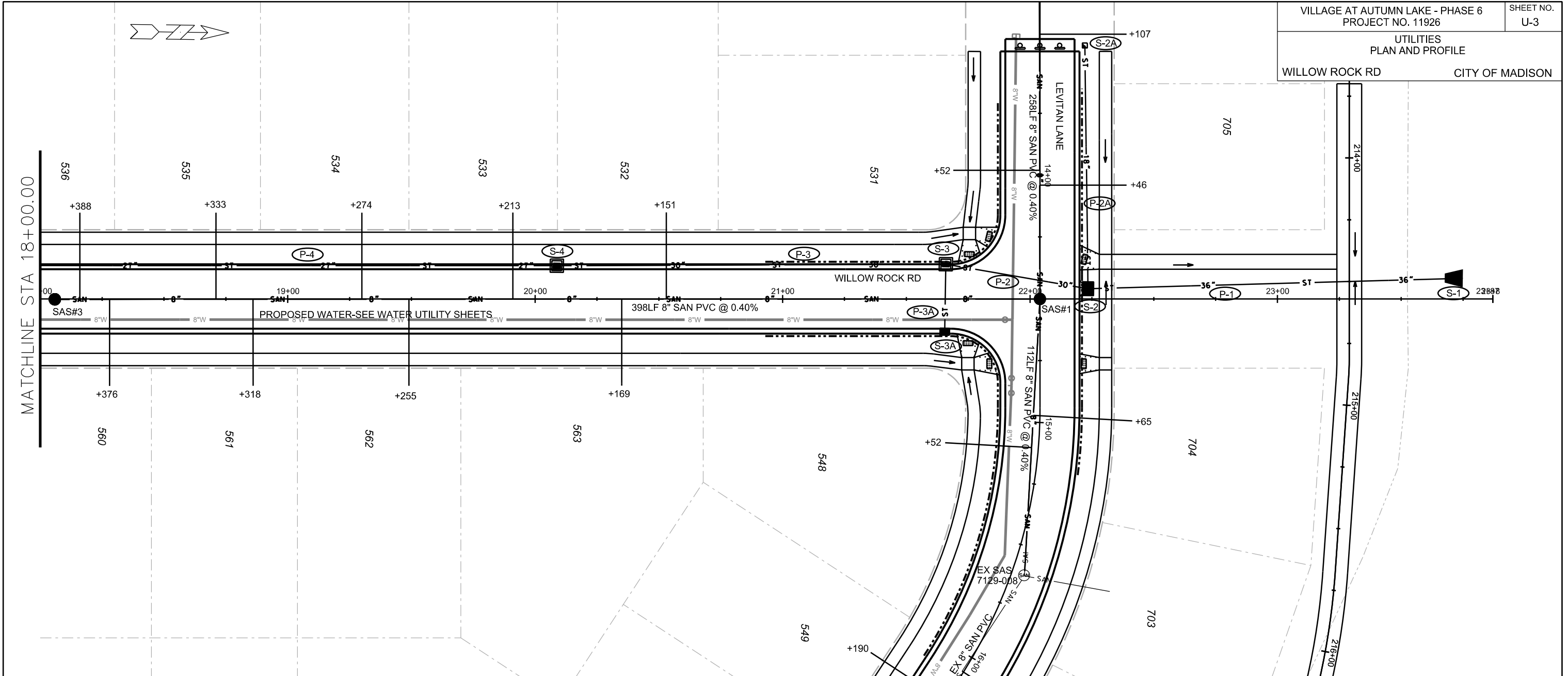


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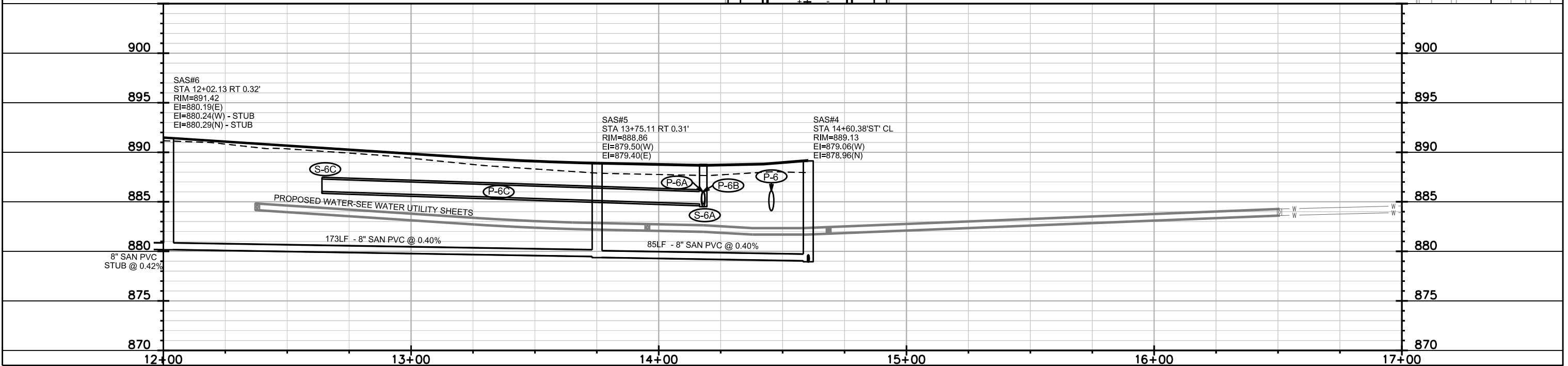
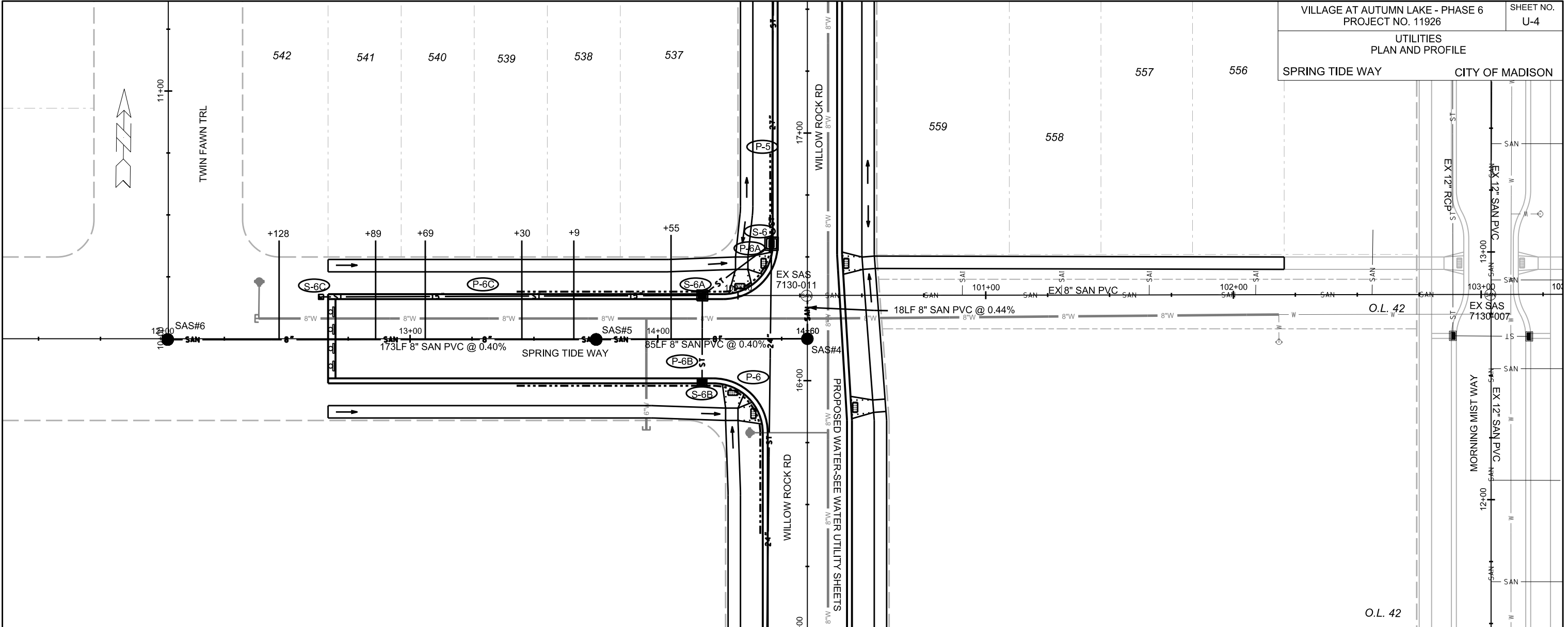


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

VILLAGE AT AUTUMN LAKE PHASE 6 PROJECT NO. 11926	SHEET NO. U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
LEVITAN LANE						
EX 7129-008	15+61.53	LT-5.33	887.21	876.07	11.14	EXISTING SAS
SAS#1	14+50.06	CL	885.93	876.62	9.31	-
SAS#2	11+92.12	RT-0.40	887.32	877.71	9.61	-
WILLOW ROCK ROAD						
EX 7130-011	16+34.42	CL	889.04	878.78	10.26	EXISTING SAS
SAS#3	18+05.89	RT-0.15	888.16	878.32	9.84	-
SPRING TIDE WAY						
SAS#4	14+60.38	CL	889.13	878.96	10.17	-
SAS#5	13+75.11	RT-0.31	888.86	879.40	9.46	-
SAS#6	12+02.13	RT-0.32	891.42	880.19	11.23	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX 7129-008	SAS#1	876.17	876.62	112	0.40%	8"	SDR-35	-
SAS#1	SAS#2	876.67	877.71	258	0.40%	8"	SDR-35	-
SAS#1	SAS#3	876.72	878.32	398	0.40%	8"	SDR-35	-
EX 7130-011	SAS#4	878.88	878.96	18	0.44%	8"	SDR-35	-
SAS#4	SAS#5	879.06	879.40	85	0.40%	8"	SDR-35	-
SAS#5	SAS#6	879.50	880.19	173	0.40%	8"	SDR-35	-

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
LEVITAN LANE							
S-2	14+46.00	LT-19.42	TERRACE INLET TYPE II	885.85	879.44	6.41	LP; (1)
S-2A	13+47.61	LT-18.16	PIPE END	-	881.62	-	-
WILLOW ROCK ROAD							
S-1	23+74.91	LT-8.35	36" RCP AE	-	875.50	-	W/ GATE
S-3	21+68.00	LT-13.50	4X4 SAS	886.59	880.29	6.30	LP; W/ R-3067-7004-VB; (1)
S-3A	21+68.00	RT-13.50	H INLET	886.59	882.89	3.70	LP; W/ R-3067-7004-VB; (1)
S-4	20+08.76	LT-13.50	4X4 SAS	887.39	881.51	5.88	W/ R-3067-7004-V
S-5	17+87.38	LT-13.50	4X4 SAS	888.49	882.86	5.63	W/ R-3067-7004-V
S-5A	17+78.69	LT-33.00	H INLET	888.71	885.33	3.38	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-5B	17+65.18	LT-33.00	H INLET	888.95	885.77	3.18	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-5C	17+79.69	RT-33.00	H INLET	888.71	885.24	3.47	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-5D	17+66.19	RT-33.00	H INLET	888.95	885.68	3.27	LP; W/ R-3362-L; PER SDD 5.7.33; (1)
S-6	16+54.95	LT-13.50	4X4 SAS	889.16	883.58	5.58	W/ R-3067-7004-V
S-7	14+09.07	LT-17.50	CONCRETE COLLAR	-	885.69	-	CONNECT TO EX 24" STUB
SPRING TIDE WAY							
S-6A	14+18.00	LT-17.50	3X3 SAS	888.78	884.51	4.27	LP; W/ R-3067-7004-VB; (1)
S-6B	14+18.00	RT-17.50	H INLET	888.78	884.95	3.83	LP; W/ R-3067-7004-VB; (1)
S-6C	12+64.04	LT-17.50	PIPE END	-	886.05	-	-

PROPOSED STORM PIPES

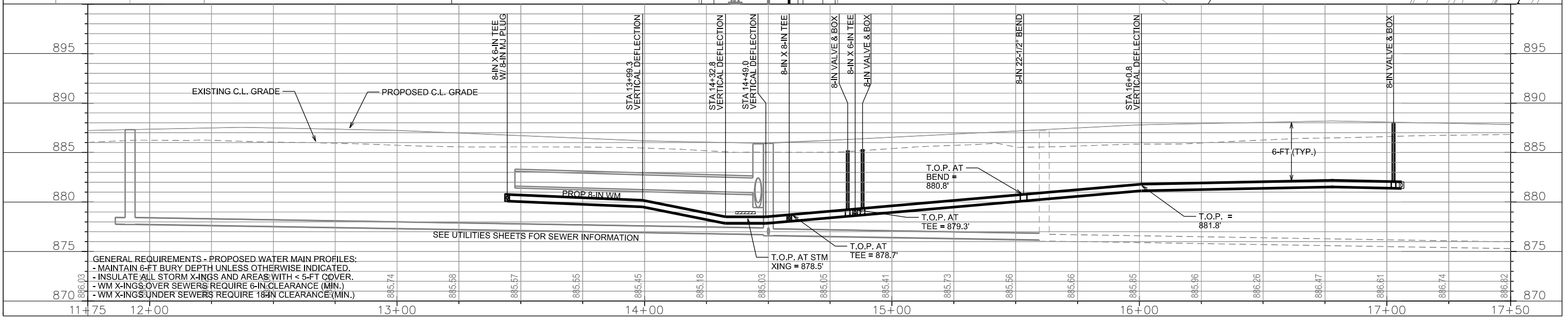
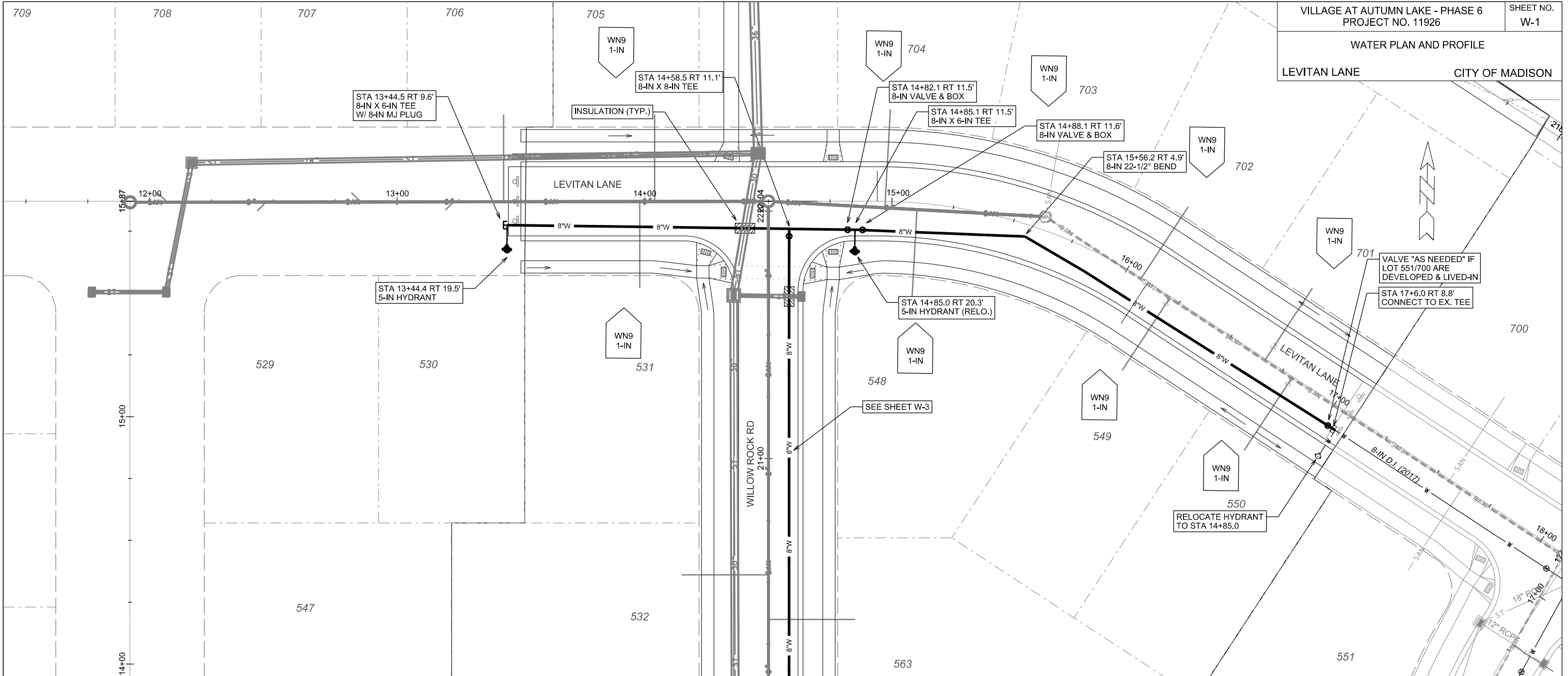
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	875.50	879.44	151	150	2.61%	36"	TYPE I	-
P-2	S-2	S-3	879.94	880.29	58	55	0.60%	30"	TYPE I	-
P-2A	S-2	S-2A	880.94	881.62	98	96	0.69%	18"	TYPE II	-
P-3	S-3	S-4	880.29	881.51	157	153	0.78%	30"	TYPE II	-
P-3A	S-3	S-3A	881.79	882.89	27	24	4.07%	12"	TYPE I	-
P-4	S-4	S-5	881.76	882.86	221	217	0.50%	27"	TYPE II	-
P-5	S-5	S-6	882.86	883.58	132	128	0.55%	27"	TYPE II	-
P-5A	S-5	S-5A	884.11	885.33	21	18	5.81%	12"	TYPE II	-
P-5B	S-5A	S-5B	885.33	885.77	14	12	3.14%	12"	TYPE II	-
P-5C	S-5	S-5C	884.11	885.24	47	44	2.40%	12"	TYPE I	-
P-5D	S-5C	S-5D	885.24	885.68	14	12	3.14%	12"	TYPE II	-
P-6	S-6	S-7	883.83	885.69	246	244	0.76%	24"	TYPE I	-
P-6A	S-6	S-6A	884.33	884.51	35	31	0.51%	18"	TYPE II	-
P-6B	S-6A	S-6B	884.76	884.95	35	32	0.54%	15"	TYPE I	-
P-6C	S-6A	S-6C	884.76	886.05	154	152	0.84%	15"	TYPE II	-

SPECIFIC NOTES

(1) SEE CITY OF MADISON SDD 5.7.7A

STANDARD NOTES:

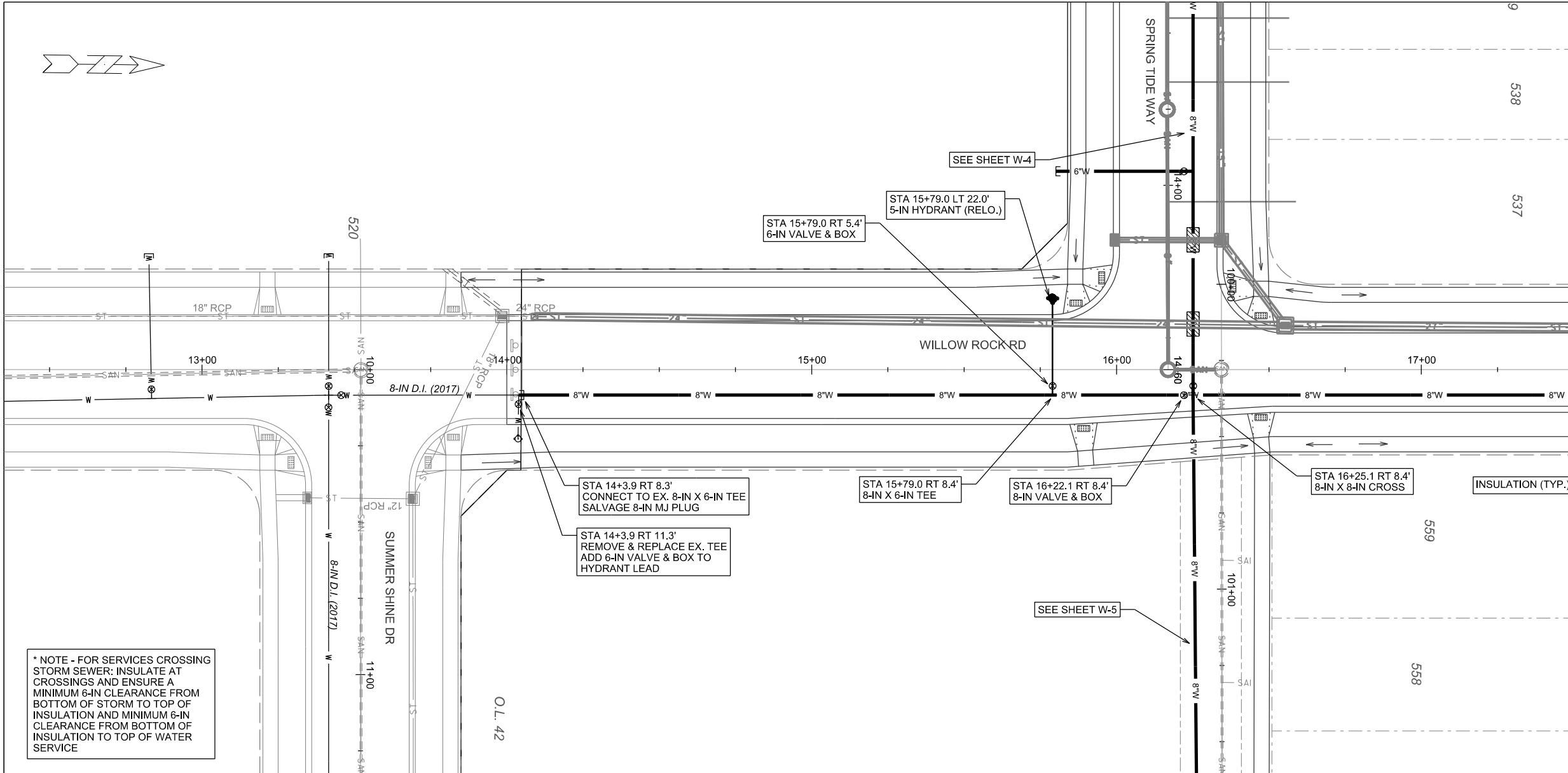
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD =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



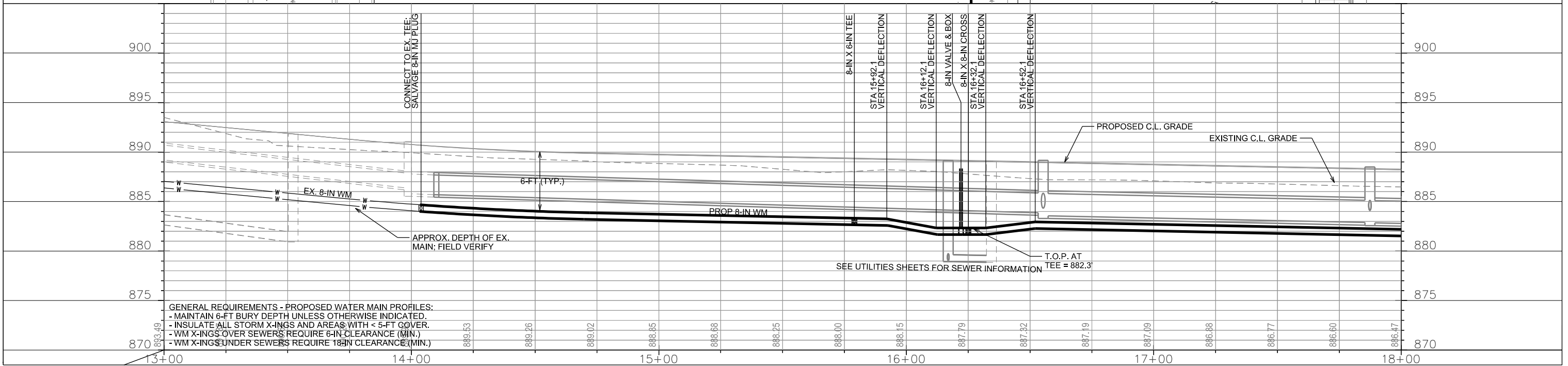
GENERAL REQUIREMENTS - PROPOSED WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

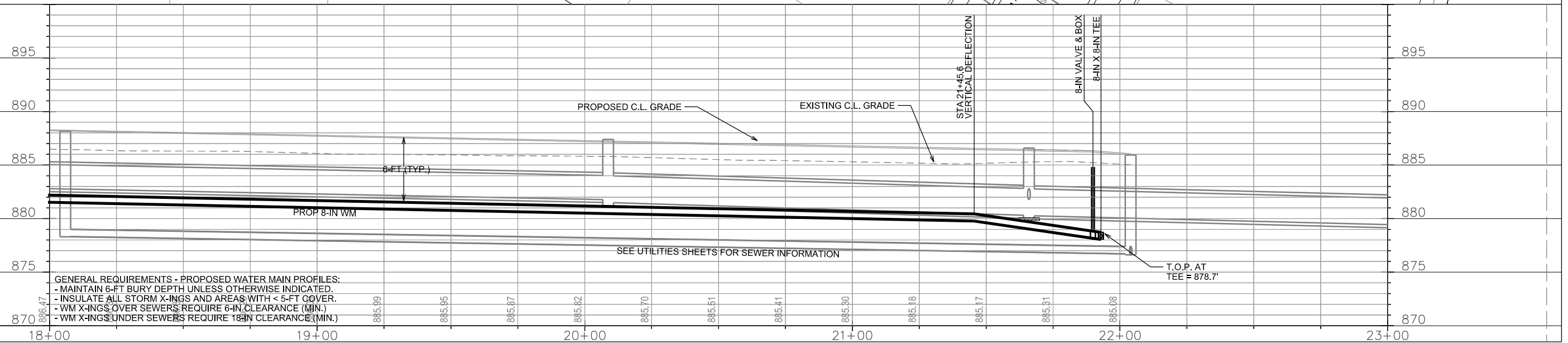
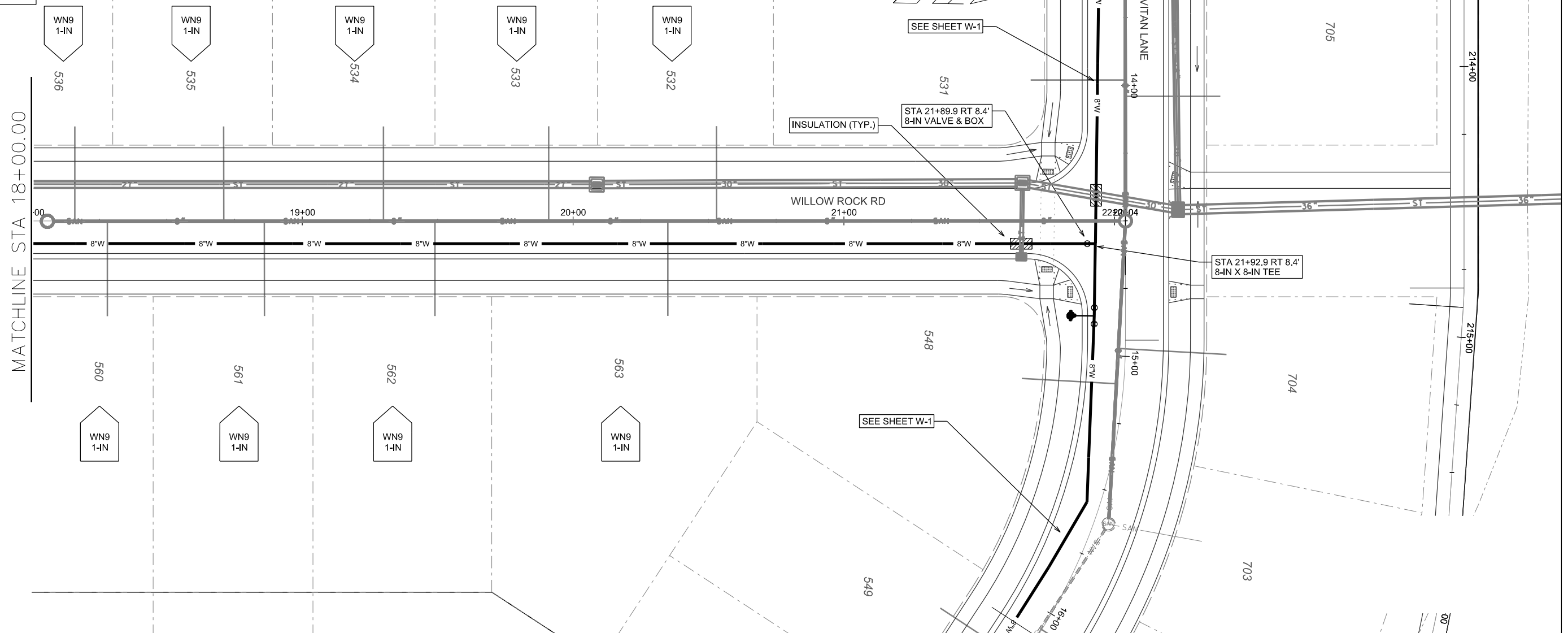


* NOTE - FOR SERVICES CROSSING STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE



WATER PLAN AND PROFILE
WILLOW ROCK RD 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 - PROPOSED WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
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PLOT SCALE:

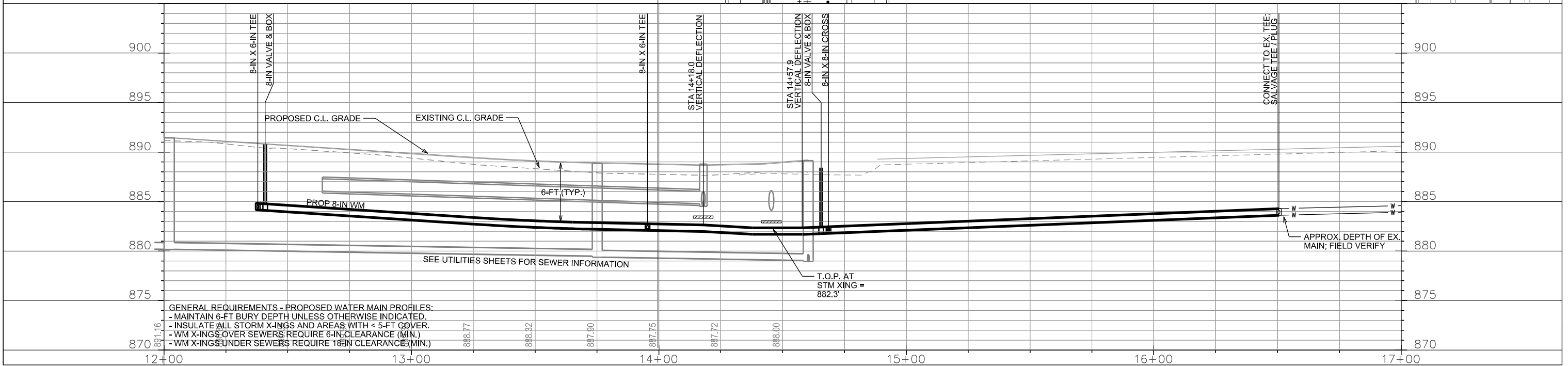
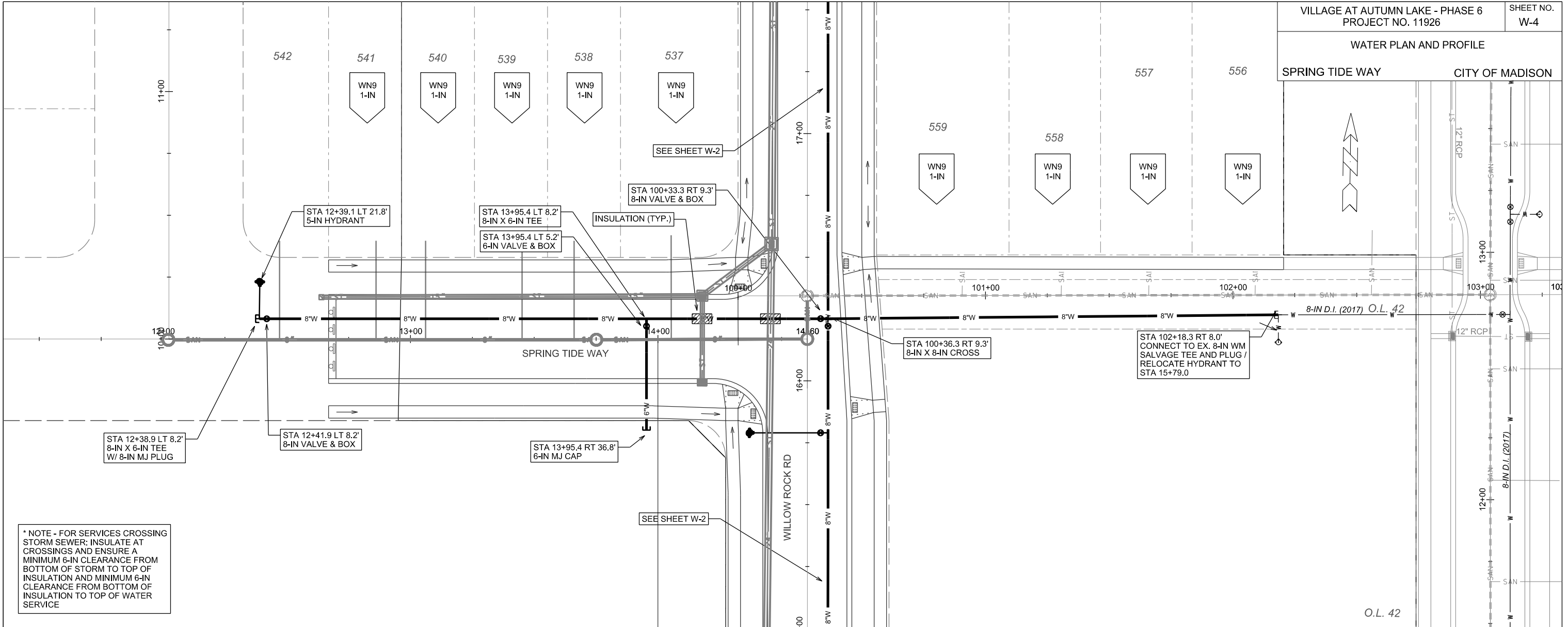
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

SPRING TIDE WAY CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

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

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

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 | 2 - 8-IN MJ PLUG |
| 1580-FT - 8-IN PIPE | 1 - 6-IN MJ CAP |
| 3 - 6-IN VALVE & BOX | 2 - 5-IN HYDRANT |
| 6 - 8-IN VALVE & BOX | 40-FT - 2-IN STYROFOAM INSULATION |
| 1 - 8-IN VALVE (AS NEEDED) | 1860-FT - POLY WRAP |
| 5 - 8-IN X 6-IN TEE | 1-IN TO 2-IN COPPER (AS REQ'D) |
| 1 - 8-IN X 8-IN TEE | |
| 1 - 8-IN X 8-IN CROSS | |
| 1 - 8-IN 22-1/2° BEND | |

ESTIMATE OF MATERIALS REUSED:

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

- 2 - 5-IN HYDRANT

ESTIMATE OF MATERIALS SALVAGED:

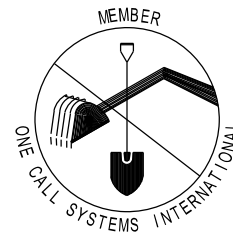
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 3 - 8-IN X 6-IN TEE
3 - 8-IN MJ PLUG

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.

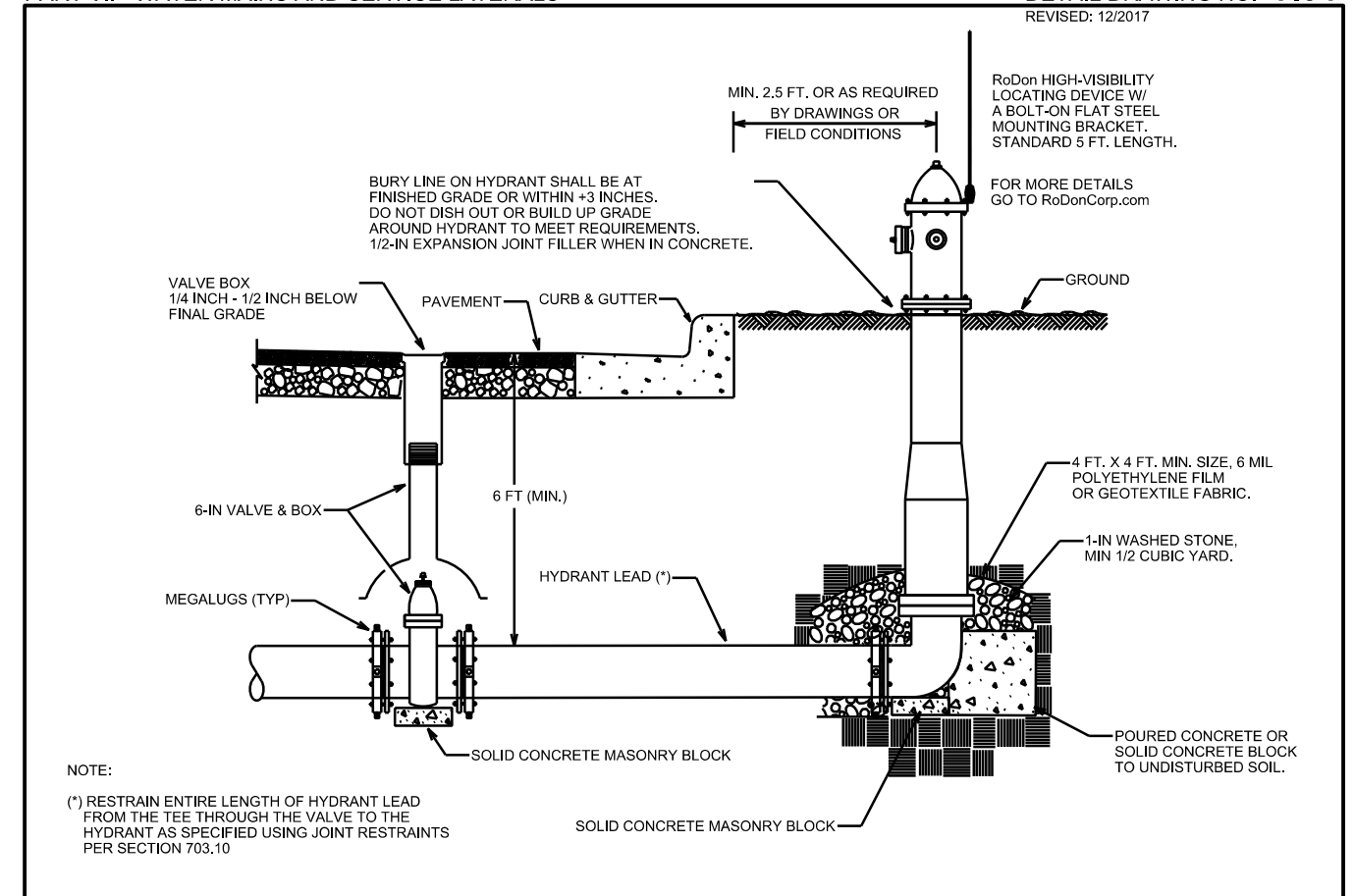


DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2017



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

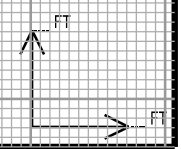
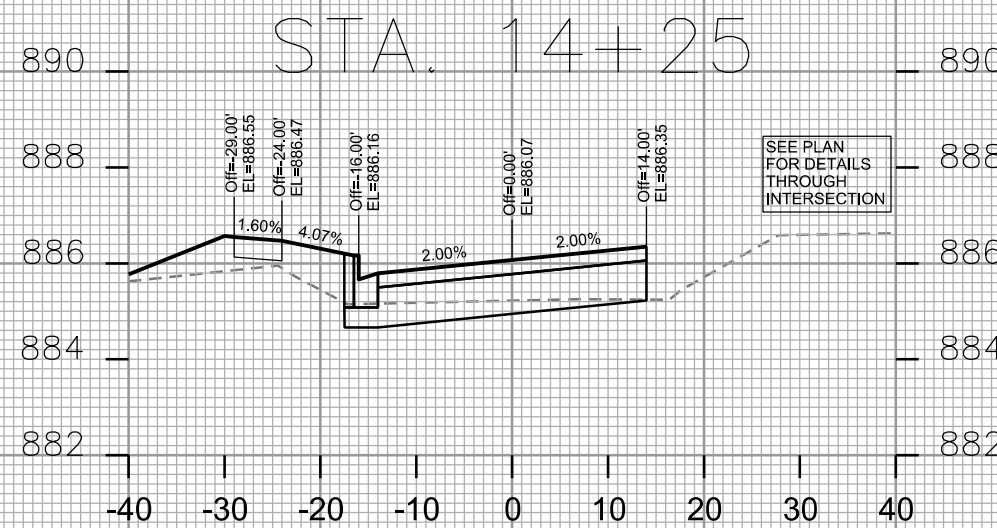
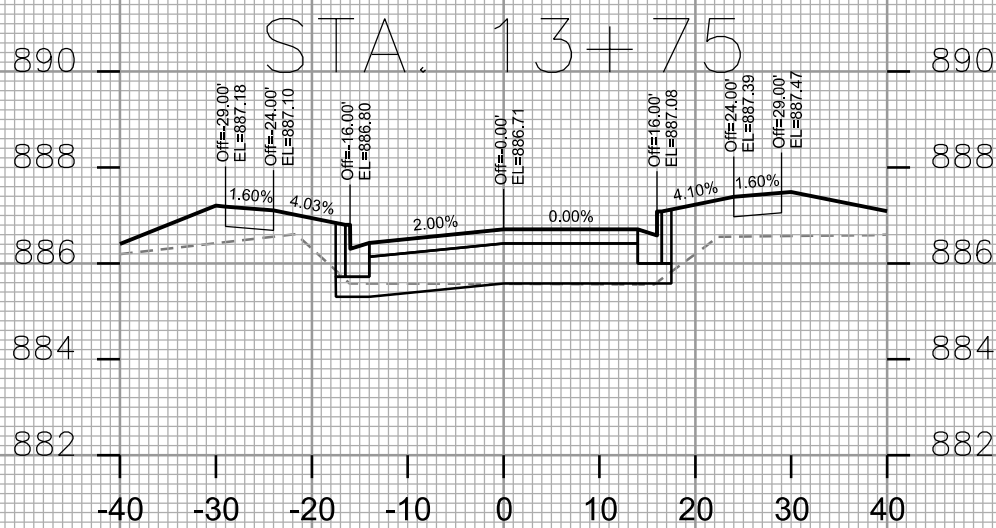
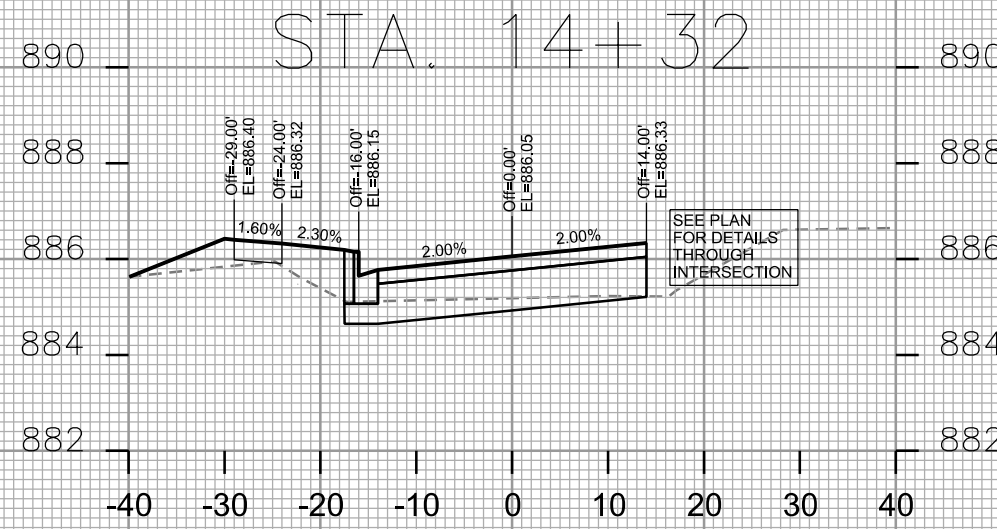
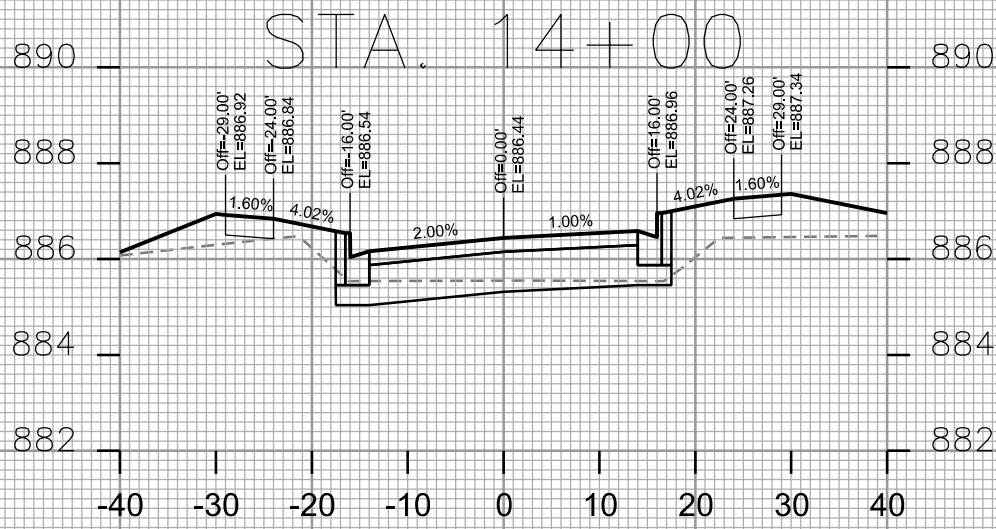
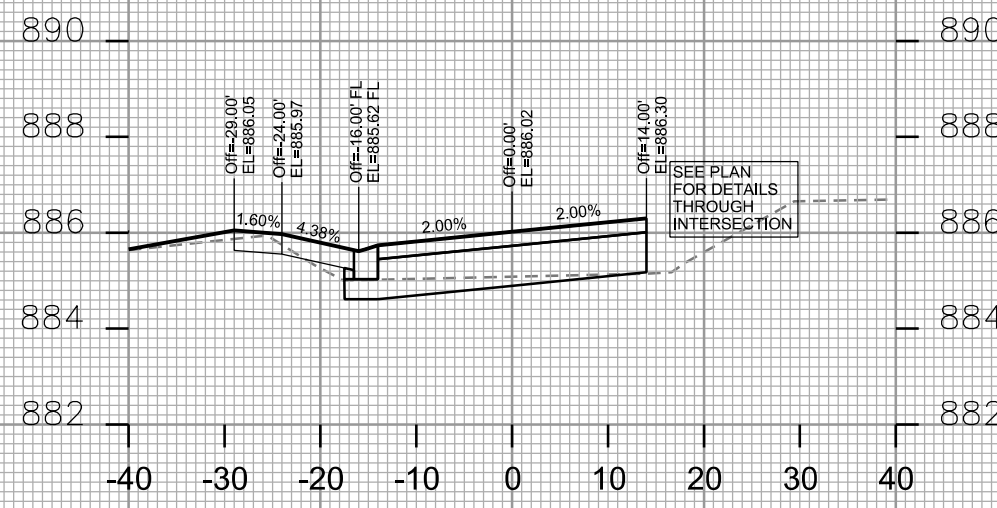
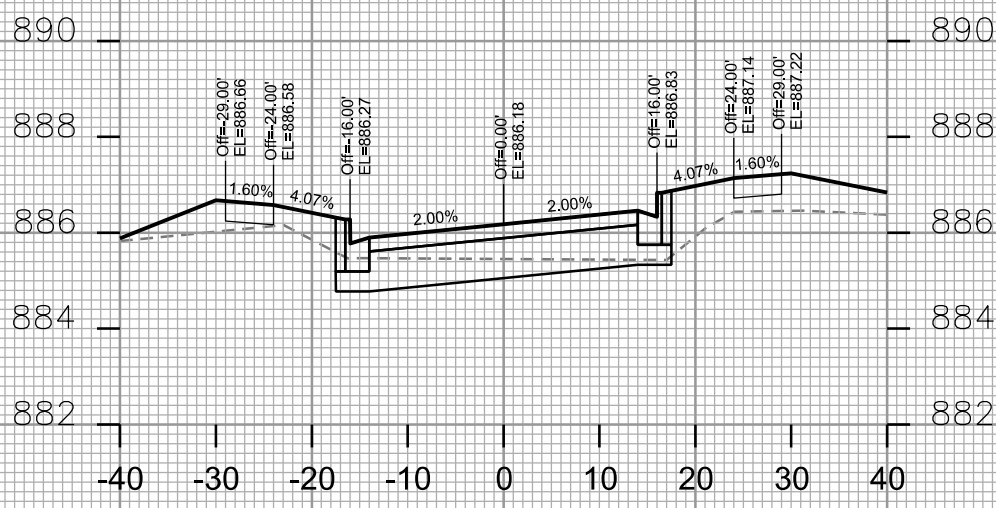
CROSS SECTIONS
LEVITAN LANE CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

LEVITAN LANE

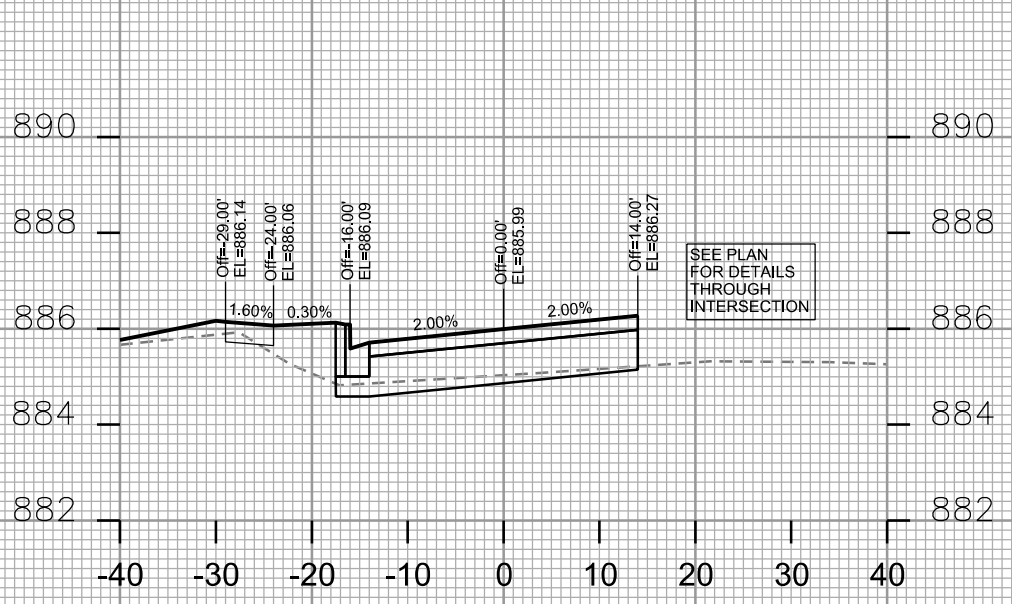
CITY OF MADISON

PLOT SCALE: _____

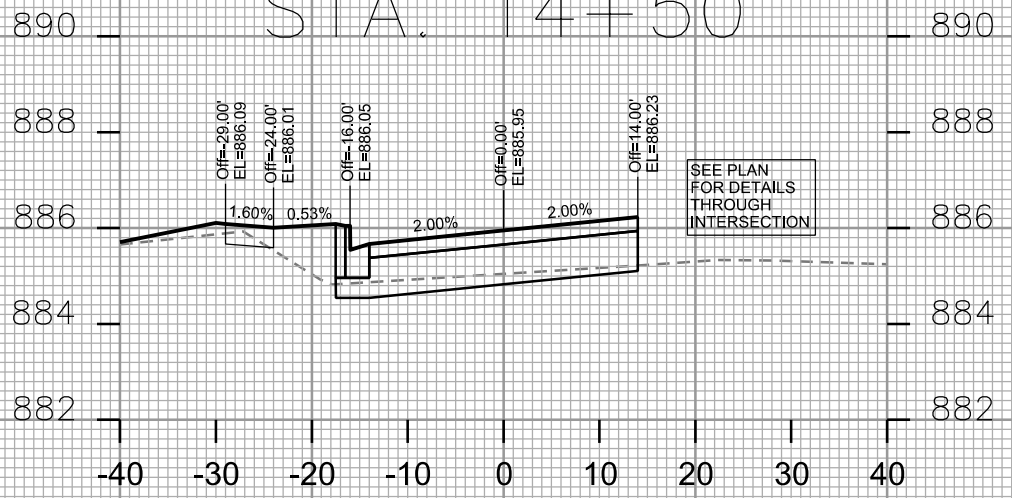
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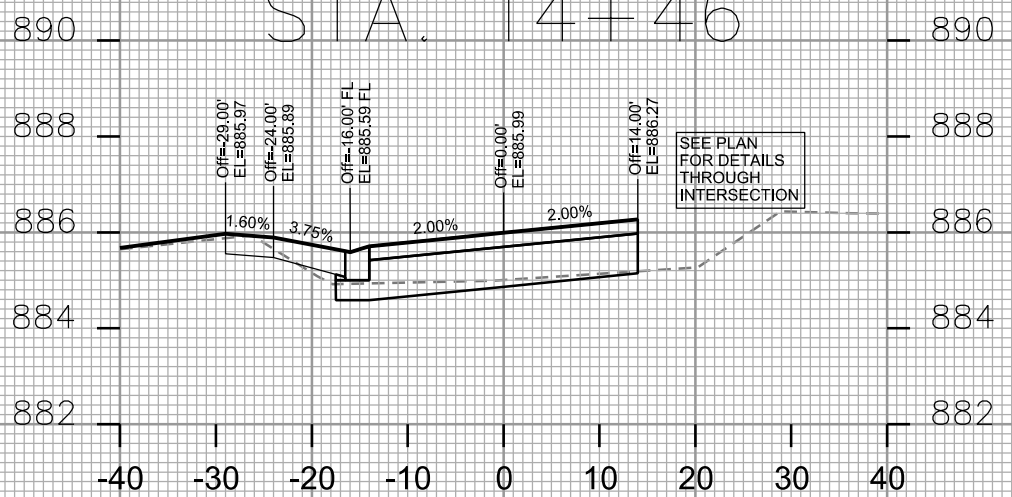
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



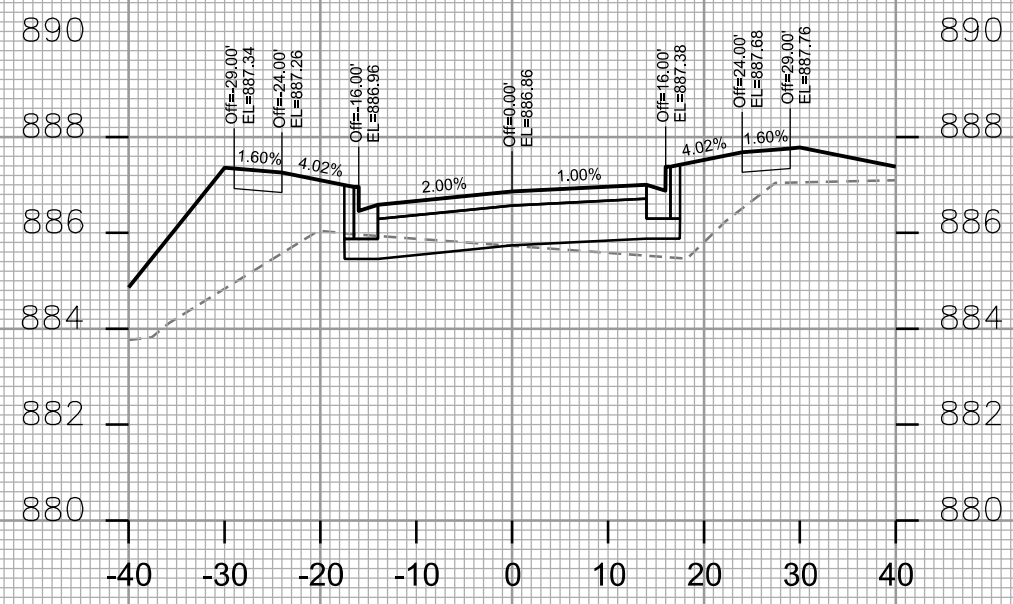
STA. 14+50



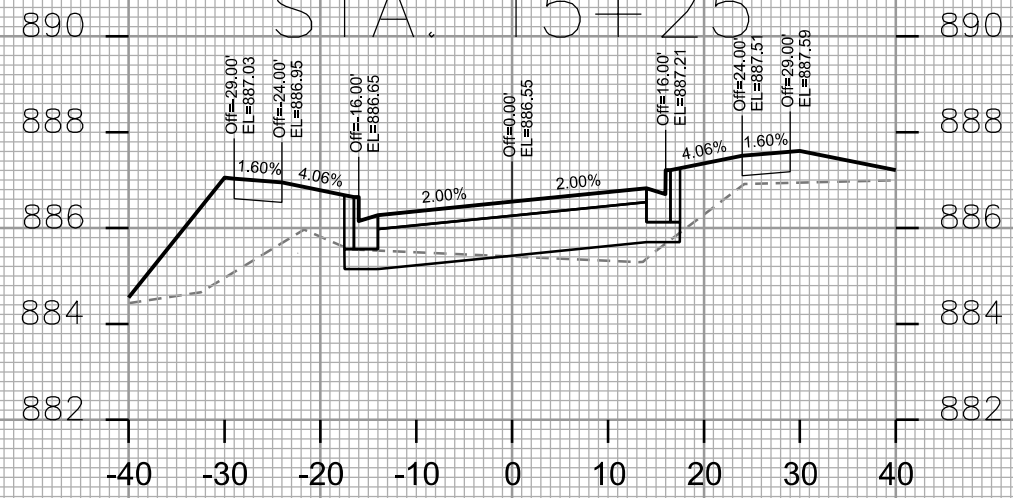
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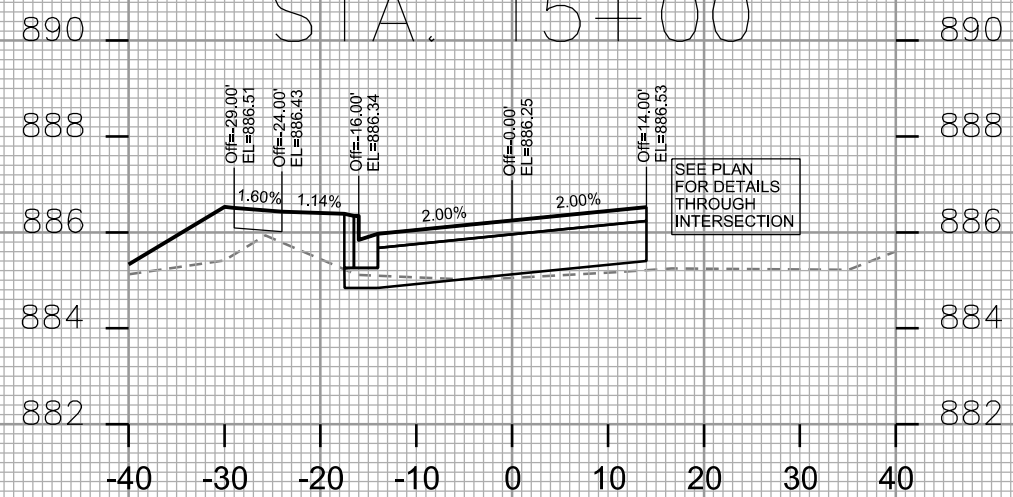
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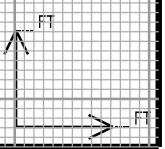
STA. 15+25



STA. 15+00



STA. 14+75



CROSS SECTIONS

LEVITAN LANE

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

