

Madison, Wisconsin

# CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

GILSON STREET RECONSTRUCTION

ASSESSMENT DISTRICT-2018

CITY PROJECT NO. 11180

PINE STREET RECONSTRUCTION

ASSESSMENT DISTRICT-2018

CITY PROJECT NO. 10901

CITY CONTRACT NO. 8116

PUBLIC IMPROVEMENT PROJECT  
APPROVED  
MARCH 20, 2017  
BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:  
*Philly Baker* 3-29-18  
City Engineer Date

STREET  
DESIGNED BY:

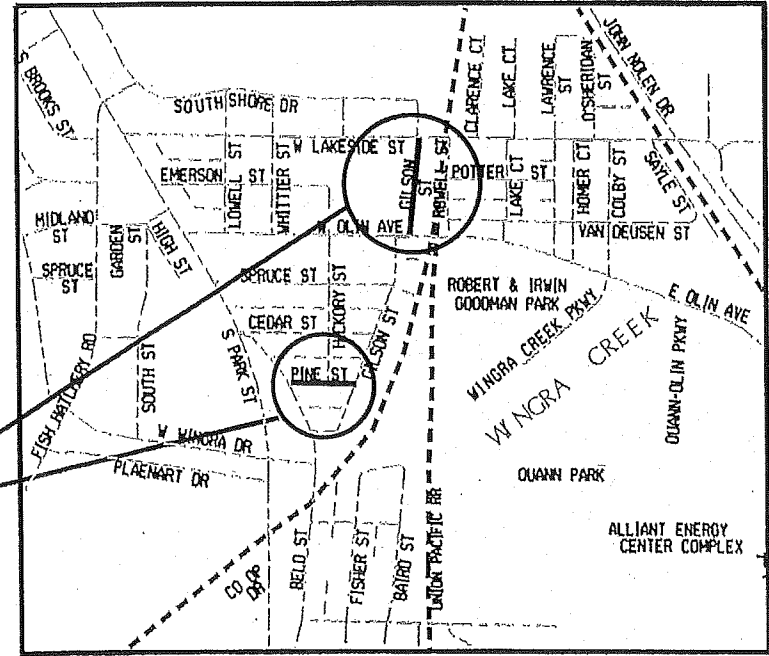
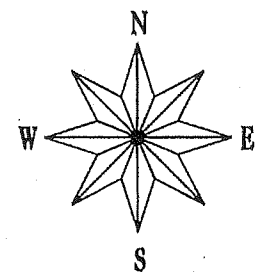
SANITARY SEWER  
DESIGNED BY:

STORM SEWER  
DESIGNED BY:

WATER  
DESIGNED BY:

INDEX OF SHEETS

SHEET NO.	TITLE
1	DETAILS
D1	EROSION CONTROL PLANS
EC1-EC2	STREET PLAN & PROFILES-GILSON ST
P1-P2	STREET PLAN & PROFILES-PINE ST
P3-P4	TRAFFIC CONTROL PLAN-GILSON ST
TC1	UTILITY PLAN & PROFILES-GILSON ST
U1-U2	SANITARY SEWER SCHEDULE-GILSON ST
USANG	STORM SEWER SCHEDULE-GILSON ST
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W3	WATER MATERIALS LIST-PINE ST
W4	WATER PLAN & PROFILES-GILSON ST
W5-W6	WATER SYSTEM IMPACT PLAN-GILSON ST
W7	WATER MATERIALS LIST-GILSON ST
W8	CROSS SECTIONS-GILSON ST
X1-X8	CROSS SECTIONS-PINE ST
X9-X12	



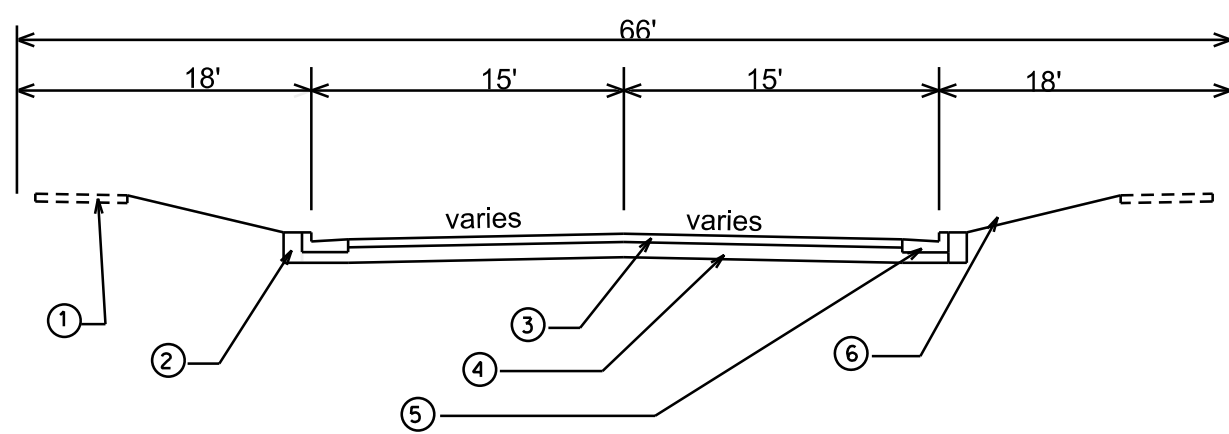
CONSTRUCTION PROJECT LOCATION

NOTES:  
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.  
SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%.  
SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

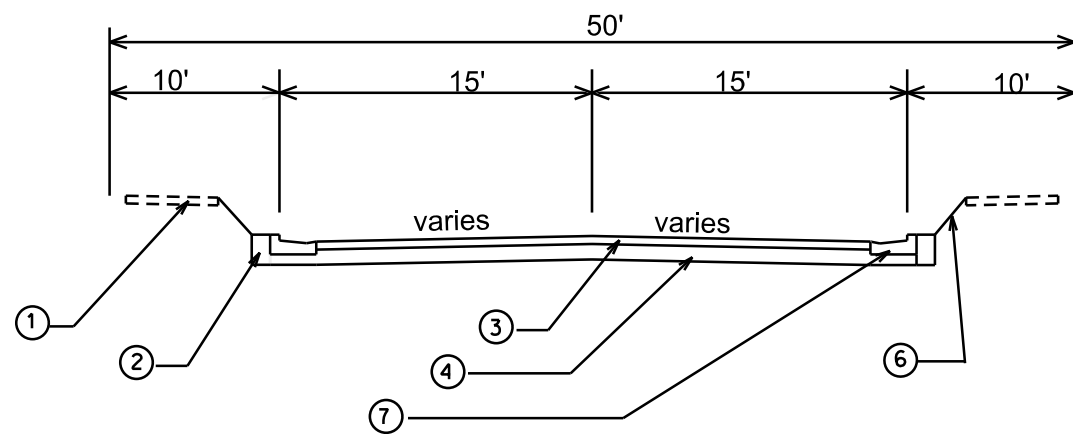
EARTH WORK SUMMARY:

EXCAVATION CUT (GILSON ST) (MEASURED PLAN QUANTITY).....	898 C.Y.
EXCAVATION CUT (PINE ST) (MEASURED PLAN QUANTITY).....	692 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT (GILSON ST).....	990 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT (PINE ST).....	1063 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	3643 C.Y.

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

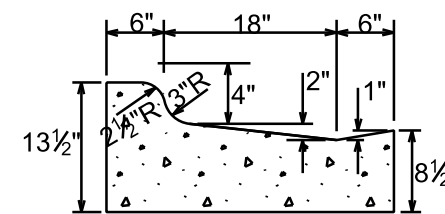


PINE STREET



GILSON STREET

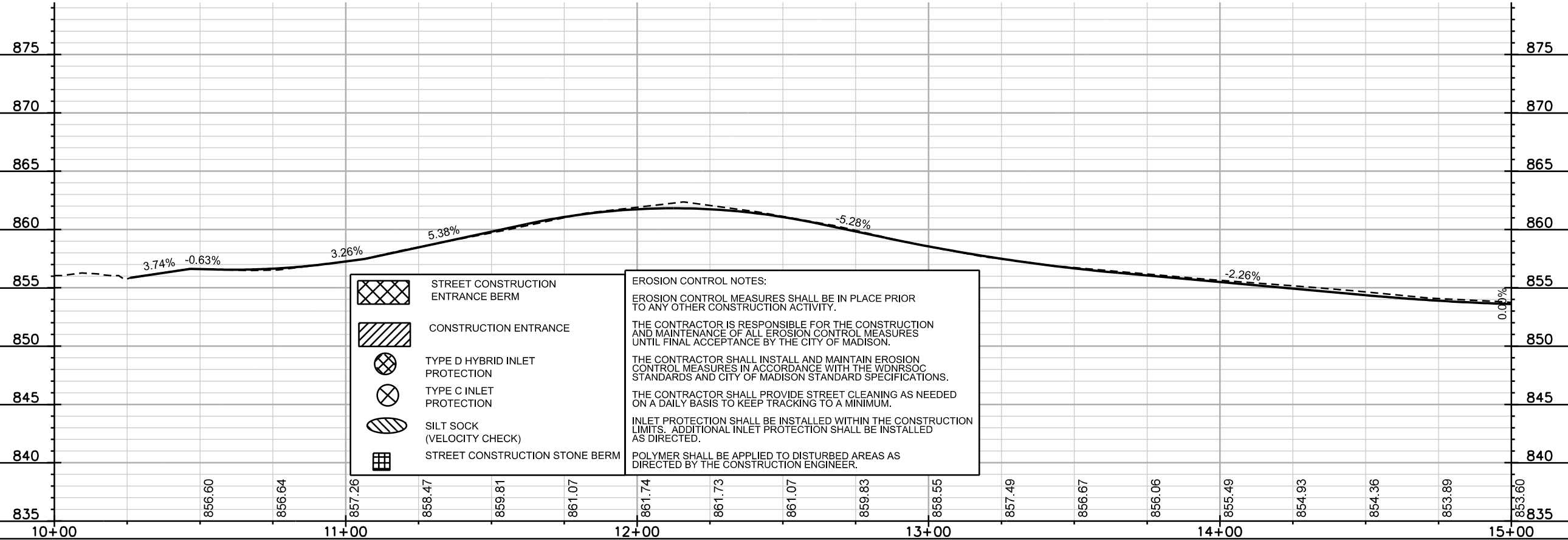
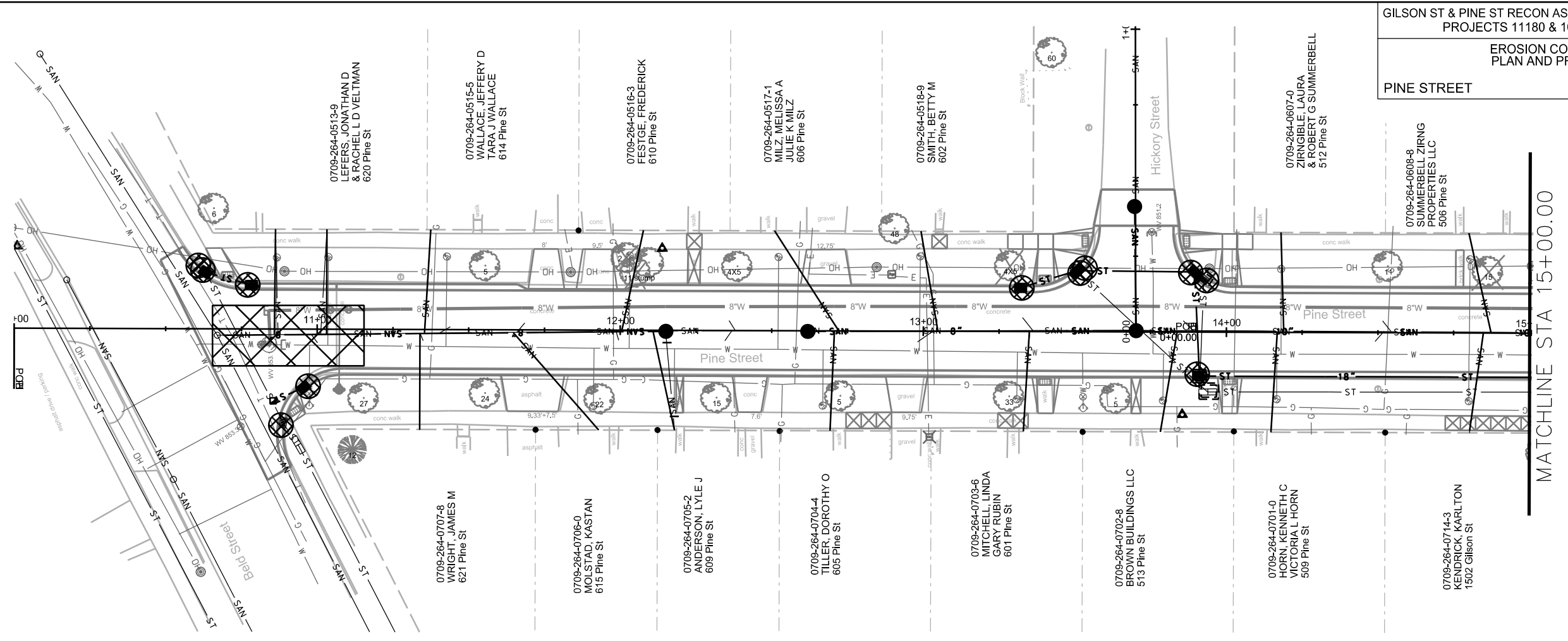
- ① EX. 5" CONC. SW
- ② FILL
- ③ 3-1/2" HMA PAV'T TYPE 4 LT 58-28 S
- ④ 6" C.A.B.C.GR. 2  
6" C.A.B.C.GR. 1
- ⑤ TYPE A CONC. C&G
- ⑥ 6" TOPSOIL, SEED & MATTING
- ⑦ TYPE "X" CONCRETE CURB & GUTTER, 4-INCH



TYPE "X" CONCRETE CURB & GUTTER, 4-INCH

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

ORIGINATOR: \_\_\_\_\_ REV. DATE: \_\_\_\_\_ PLOT NAME: \_\_\_\_\_ PLOT SCALE: \_\_\_\_\_



- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT SOCK (VELOCITY CHECK)
- STREET CONSTRUCTION STONE BERM

**EROSION CONTROL NOTES:**  
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.  
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.  
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.  
 THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.  
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.  
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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

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

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

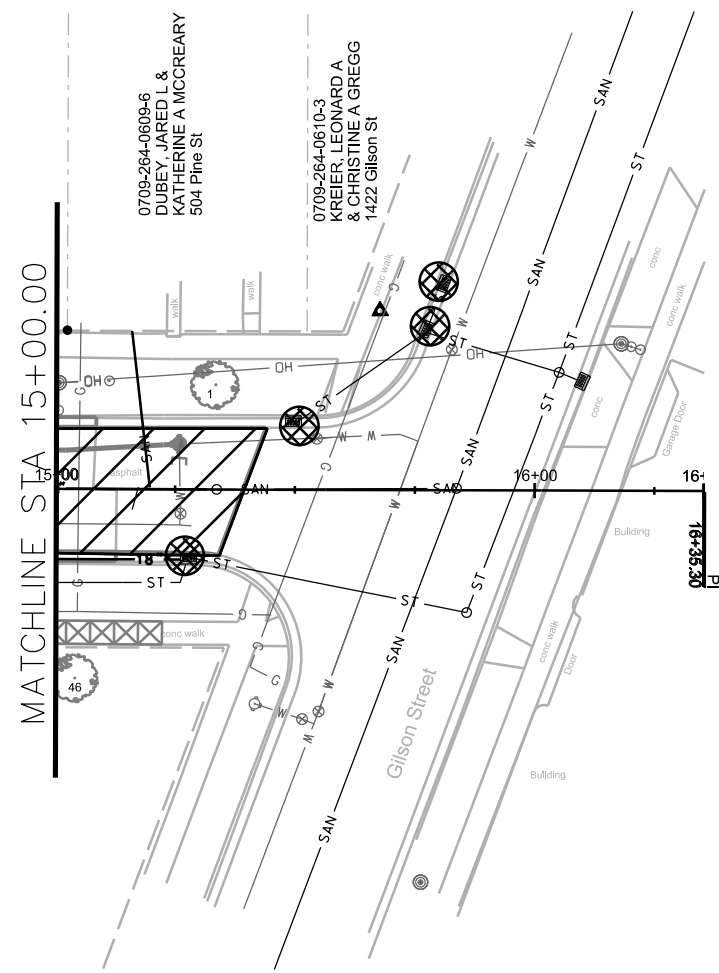
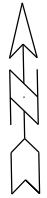
ORIGINATOR: CITY OF MADISON, STREETS DIVISION







FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

EROSION CONTROL  
 PLAN AND PROFILE

PINE STREET CITY OF MADISON



-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  SILT SOCK (VELOCITY CHECK)
-  STREET CONSTRUCTION STONE BERM

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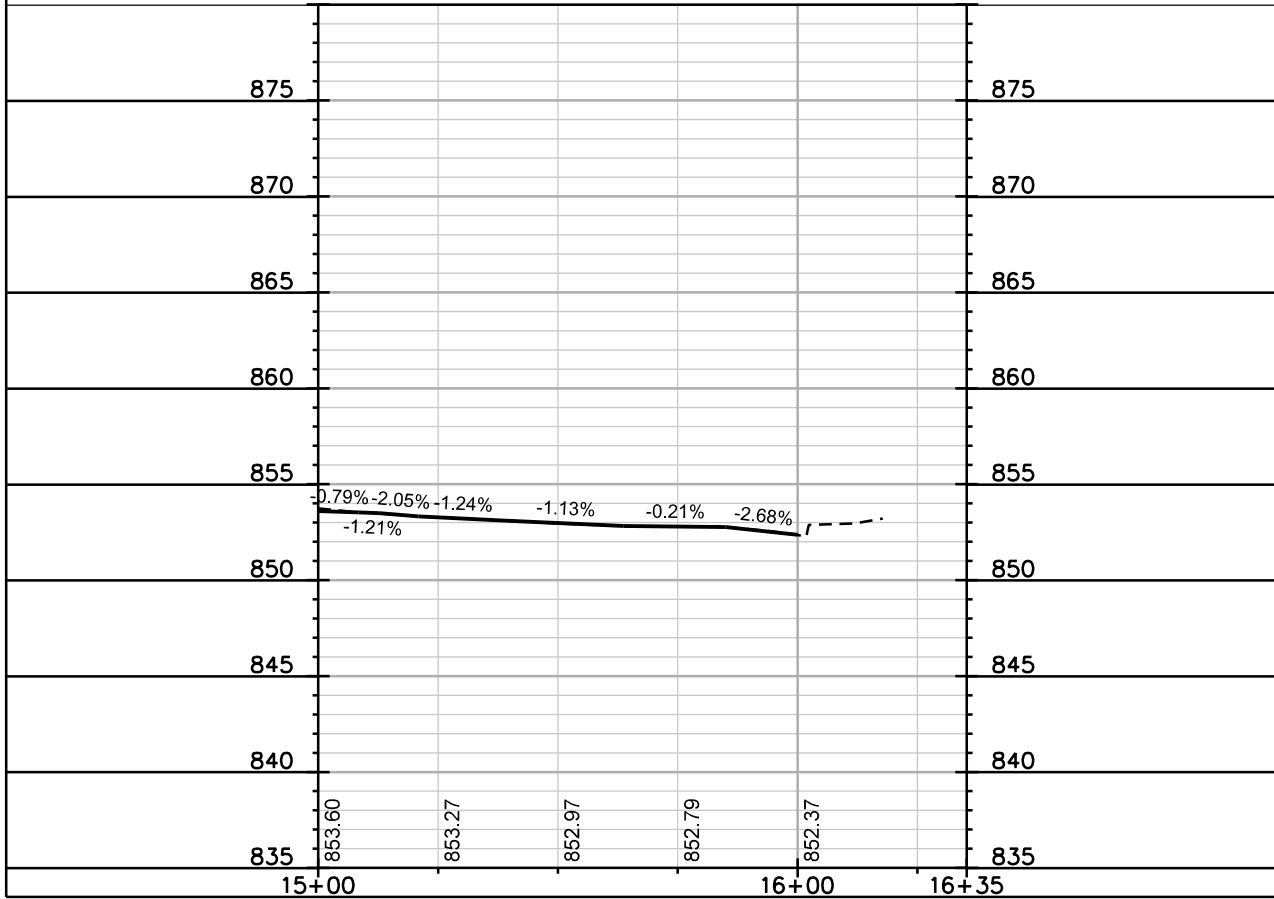
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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

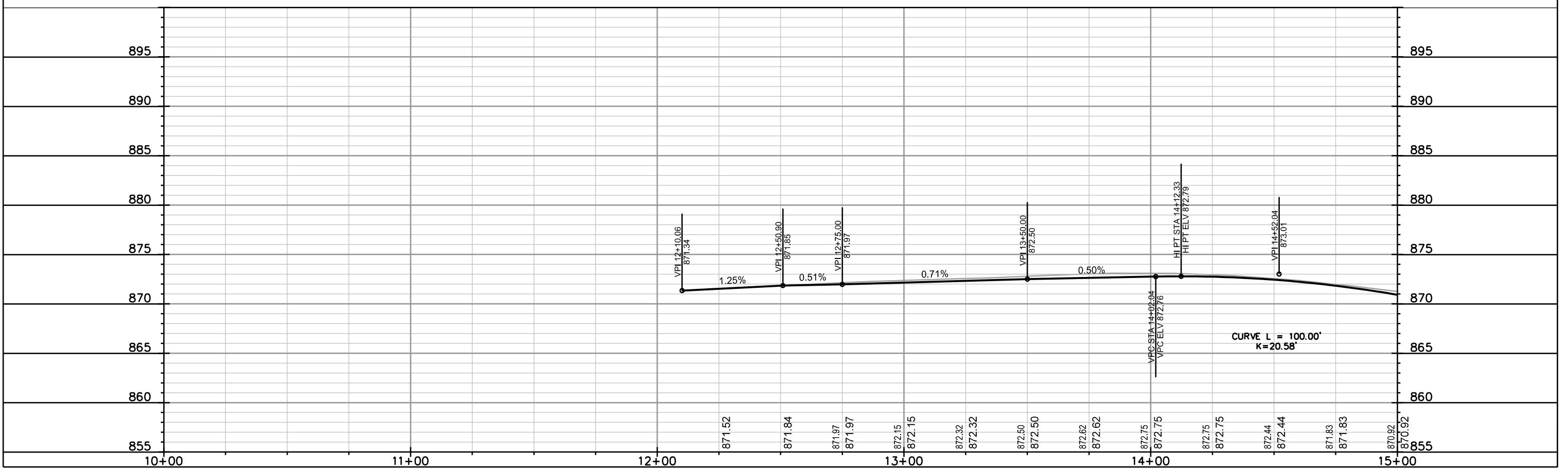
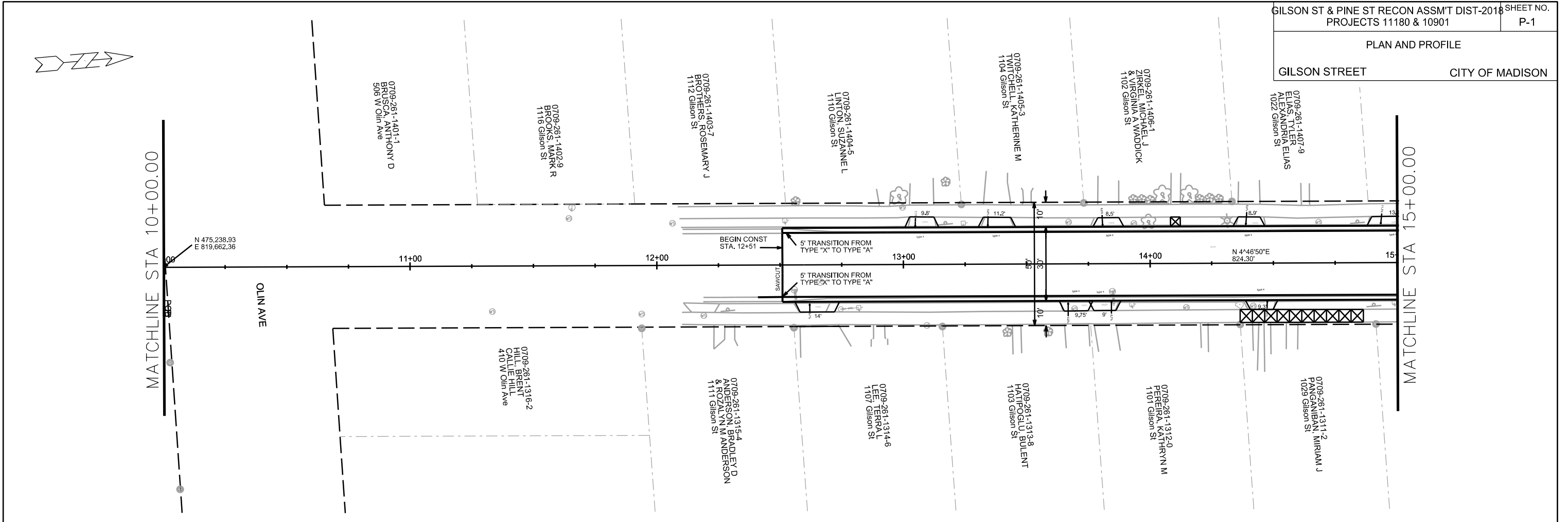
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE  
 GILSON STREET CITY OF MADISON



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

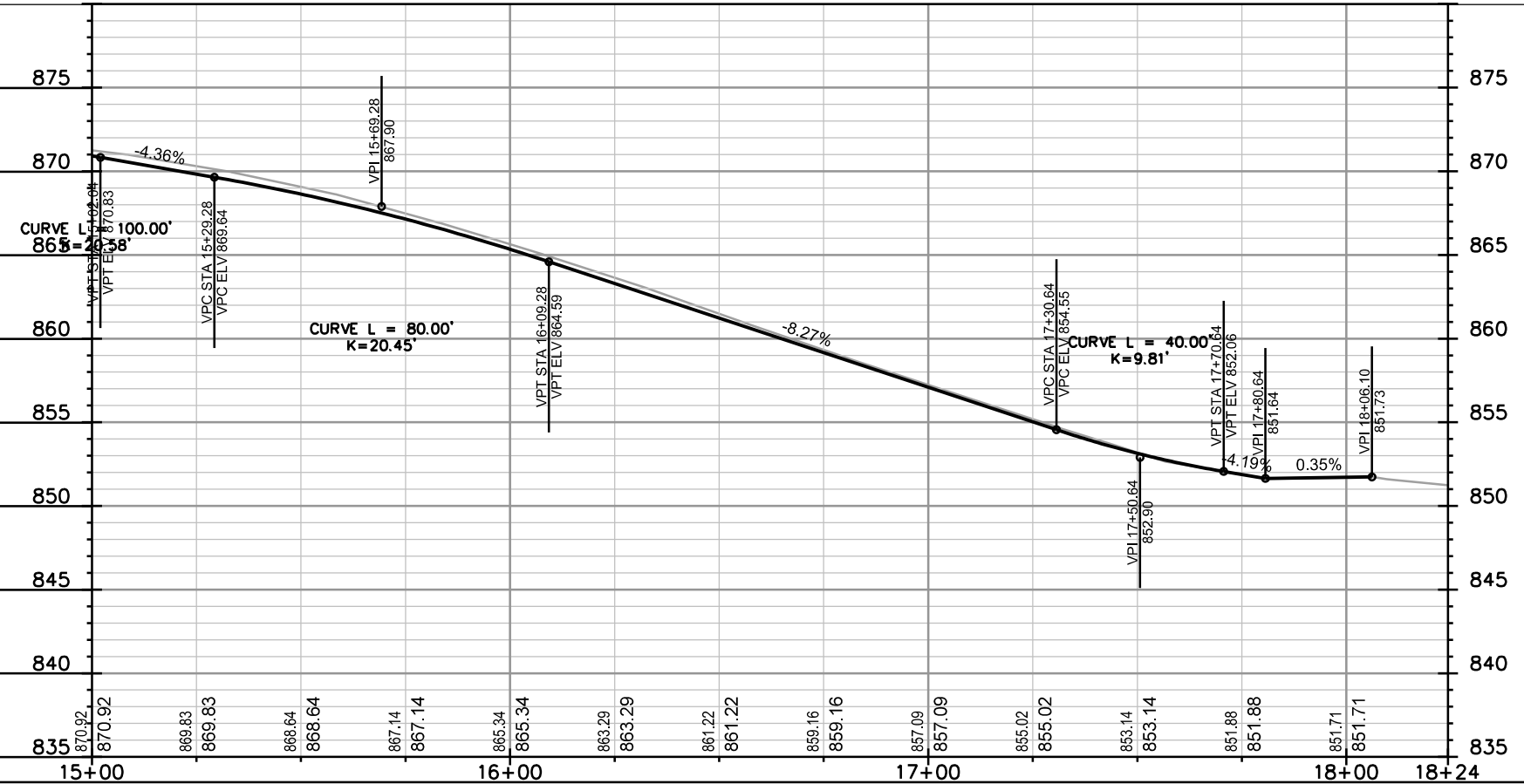
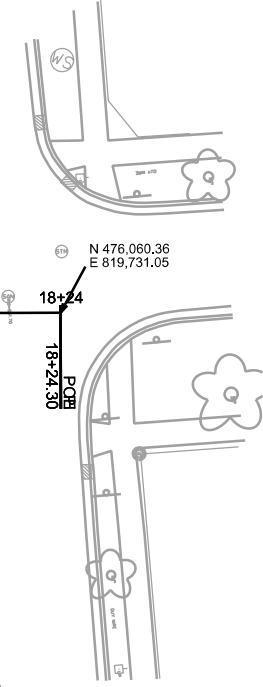
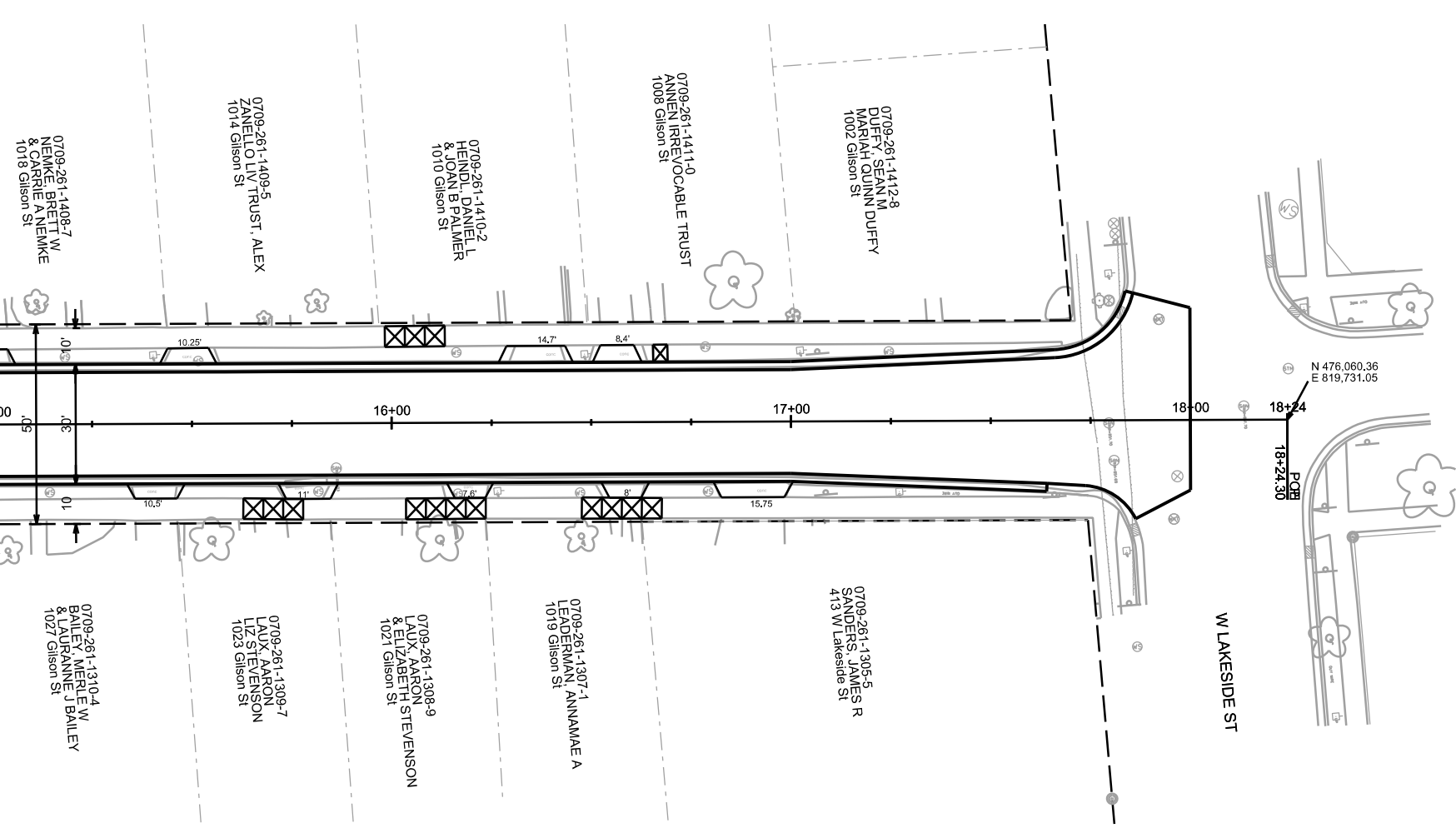
PLAN AND PROFILE

GILSON STREET

CITY OF MADISON



MATCHLINE STA 15+00.00

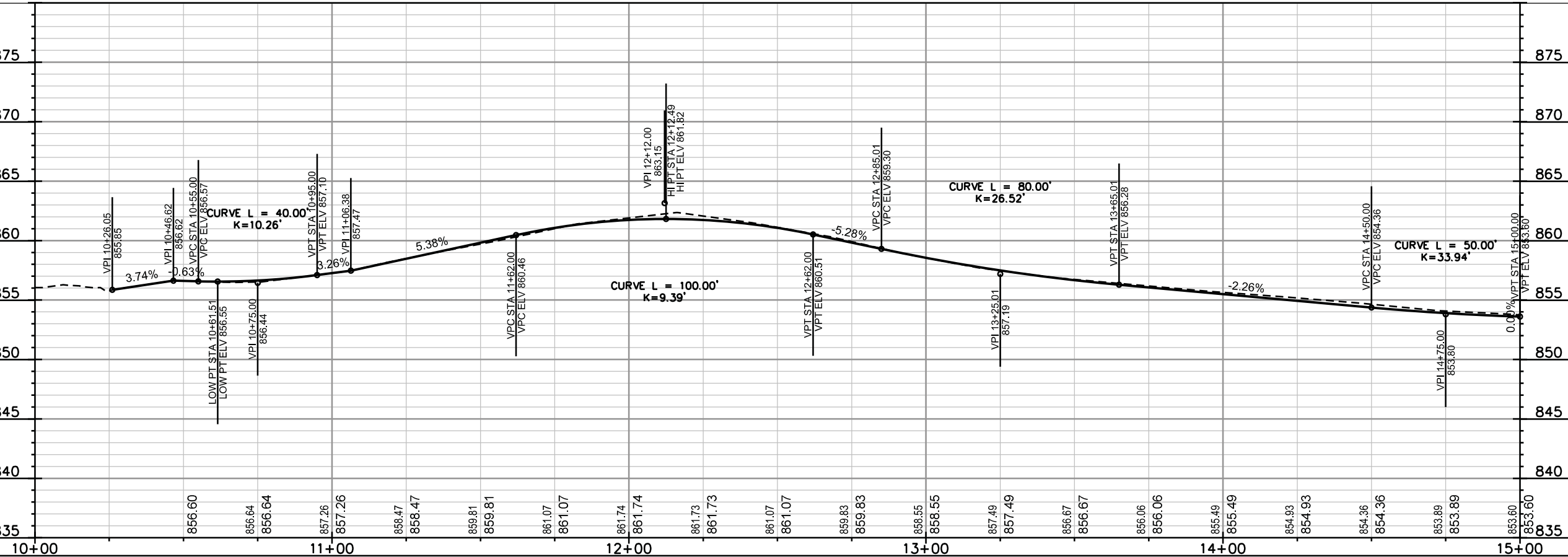
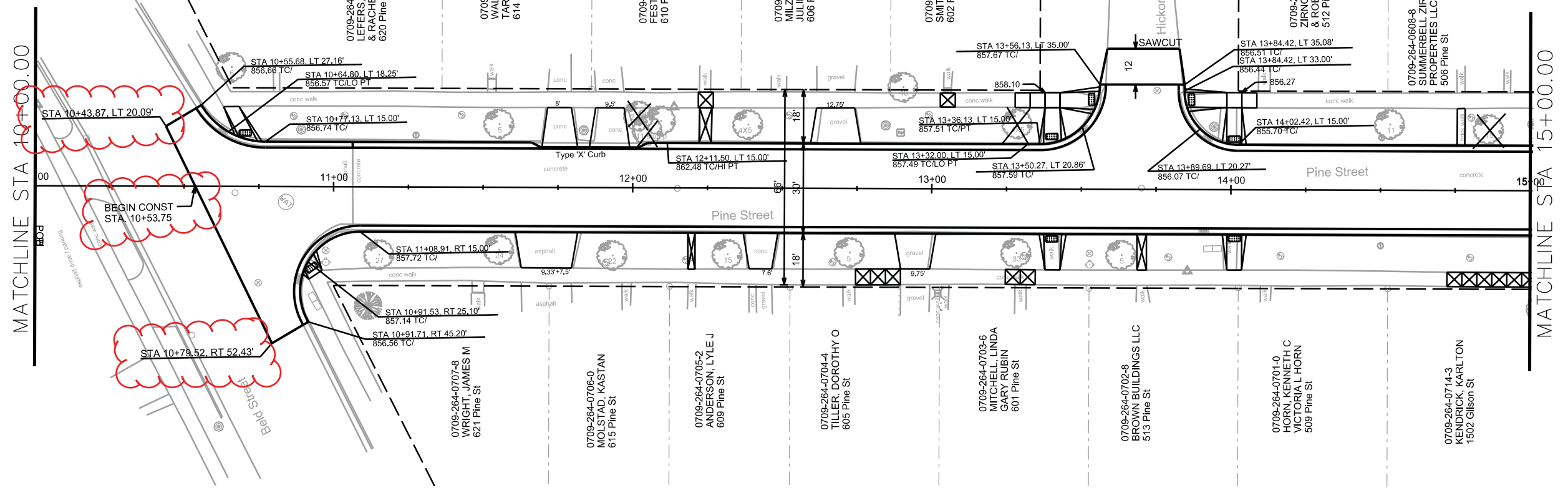


PLOT SCALE:

PLOT NAME:

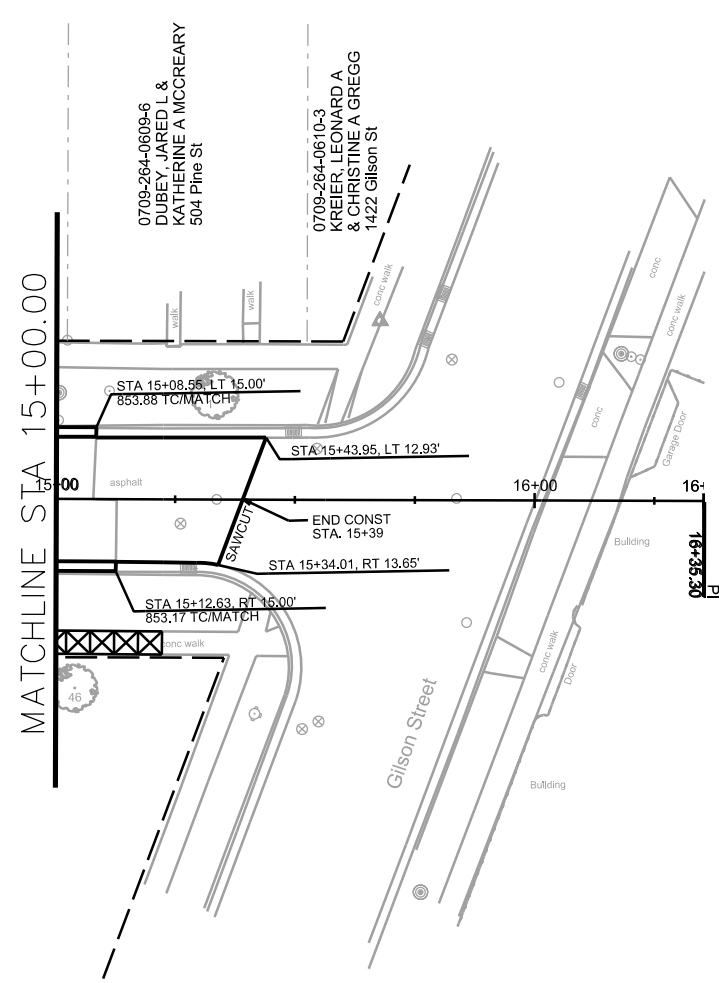
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT NAME: \_\_\_\_\_ PLOT SCALE: \_\_\_\_\_  
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 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

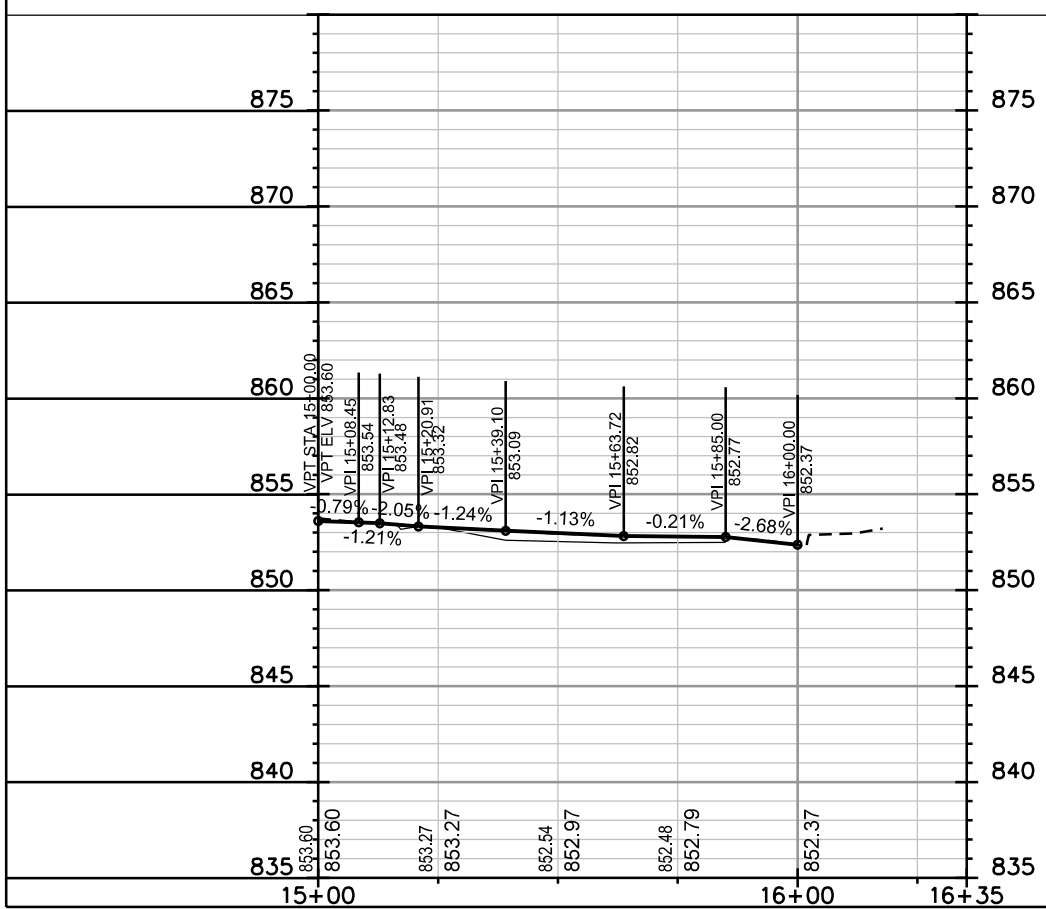
PLAN AND PROFILE  
 PINE STREET CITY OF MADISON



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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





PLOT SCALE:

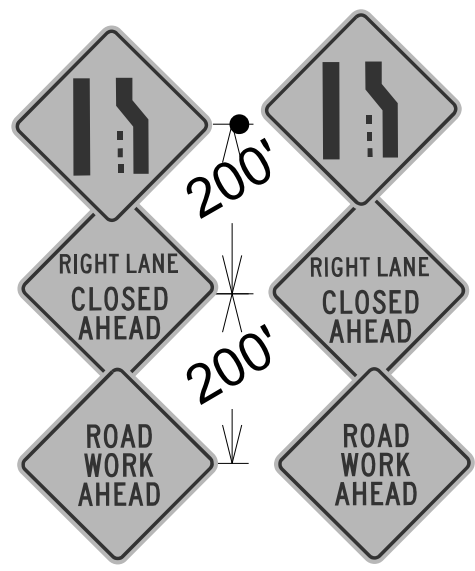
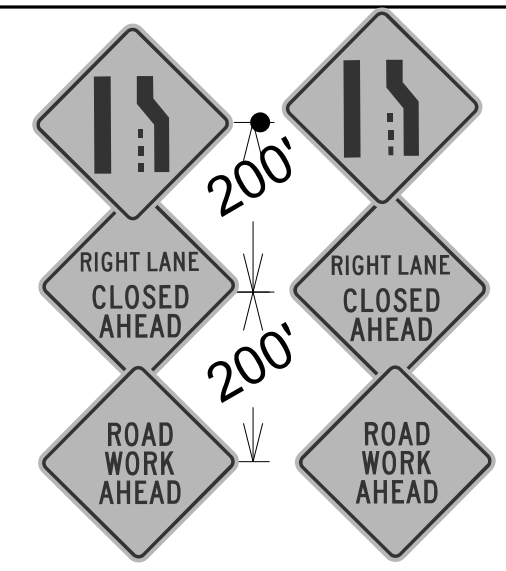
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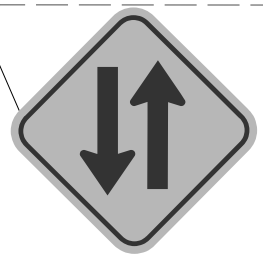
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



W Lakeside St



0709-261-1413-6  
BRAUER, JEFFREY W  
505 W Lakeside St

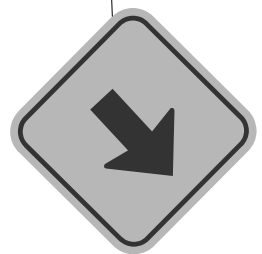
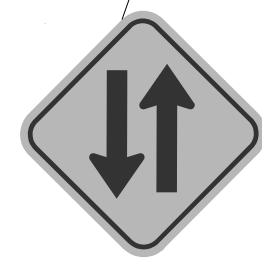


0709-261-1412-8  
DUFFY, SEAN M  
MARIAH QUINN DUFFY  
1002 Gilson St

0709-261-1411-0  
ANNEN IRREVOCABLE TRUST  
1008 Gilson St

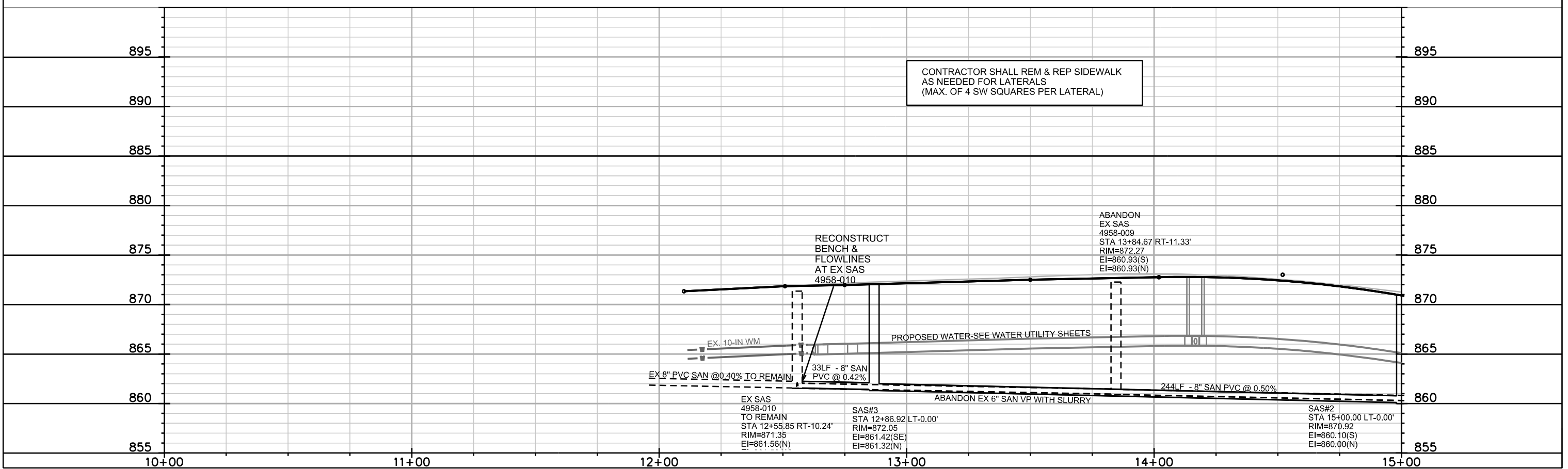
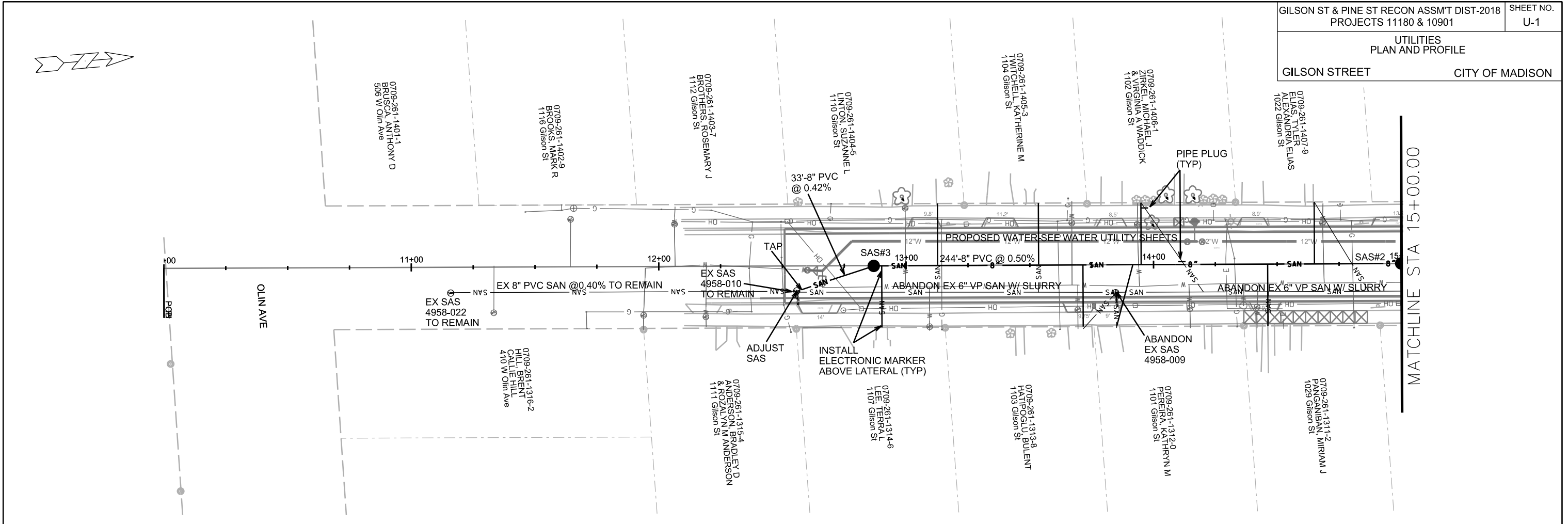
Gilson St

0709-261-1305-5  
SANDERS, JAMES R  
413 W Lakeside St



0709-261-1307-1  
LEADERMAN, ANNAMAE A  
1019 Gilson St

LEGEND	
	Sign
	Traffic Flow
	Arrow Board
	Barrel
	Tubular Marker
	Work Zone
	Barricade
	Double Yellow 4" Tape

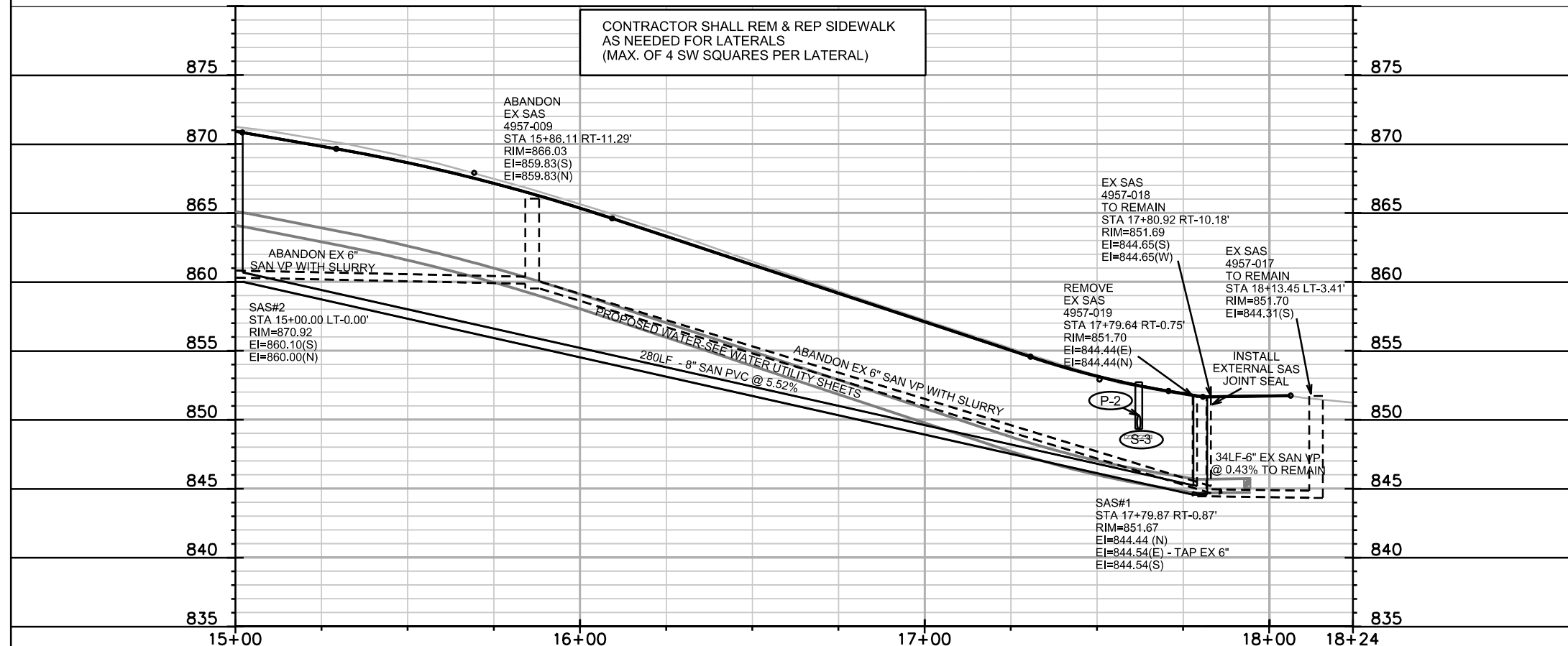
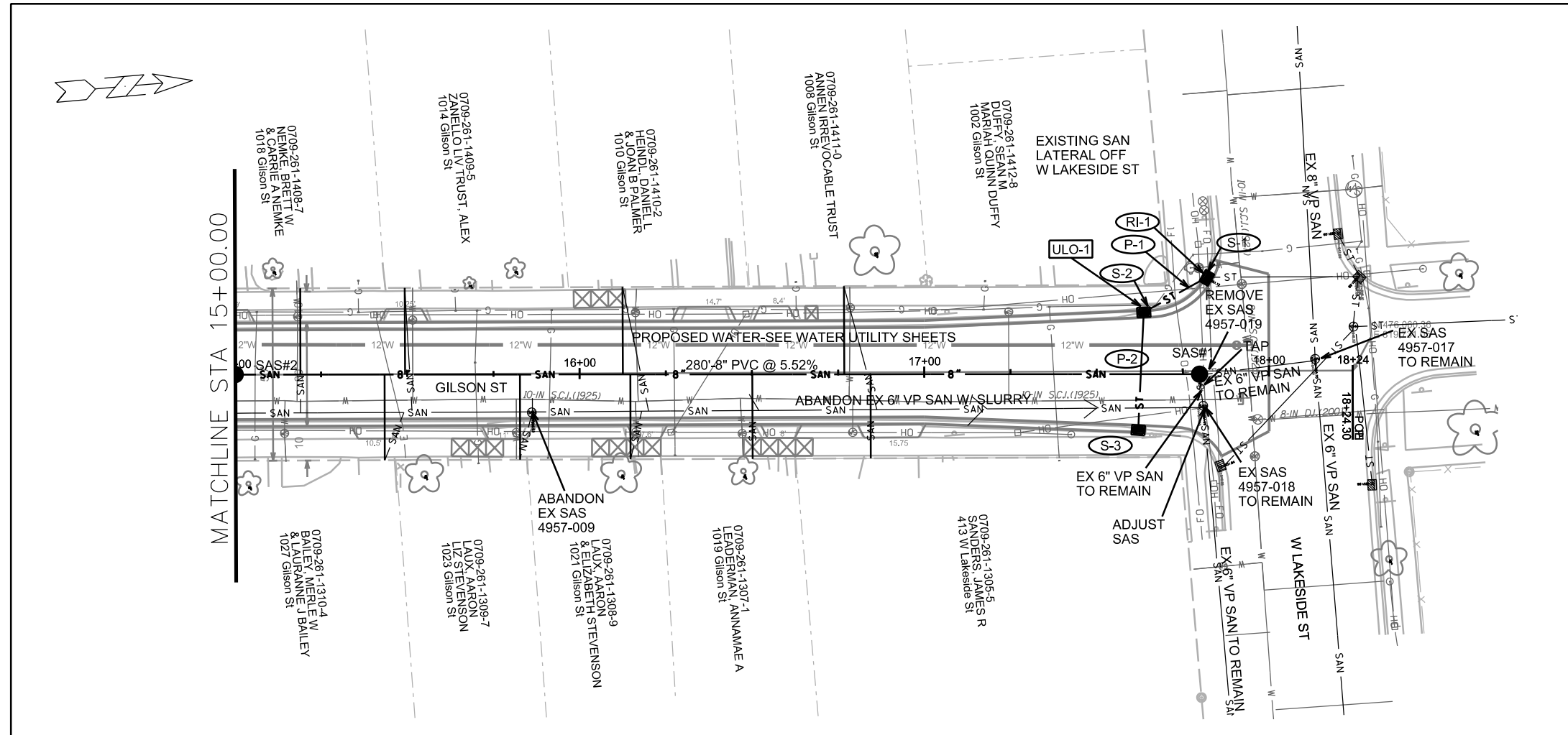


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

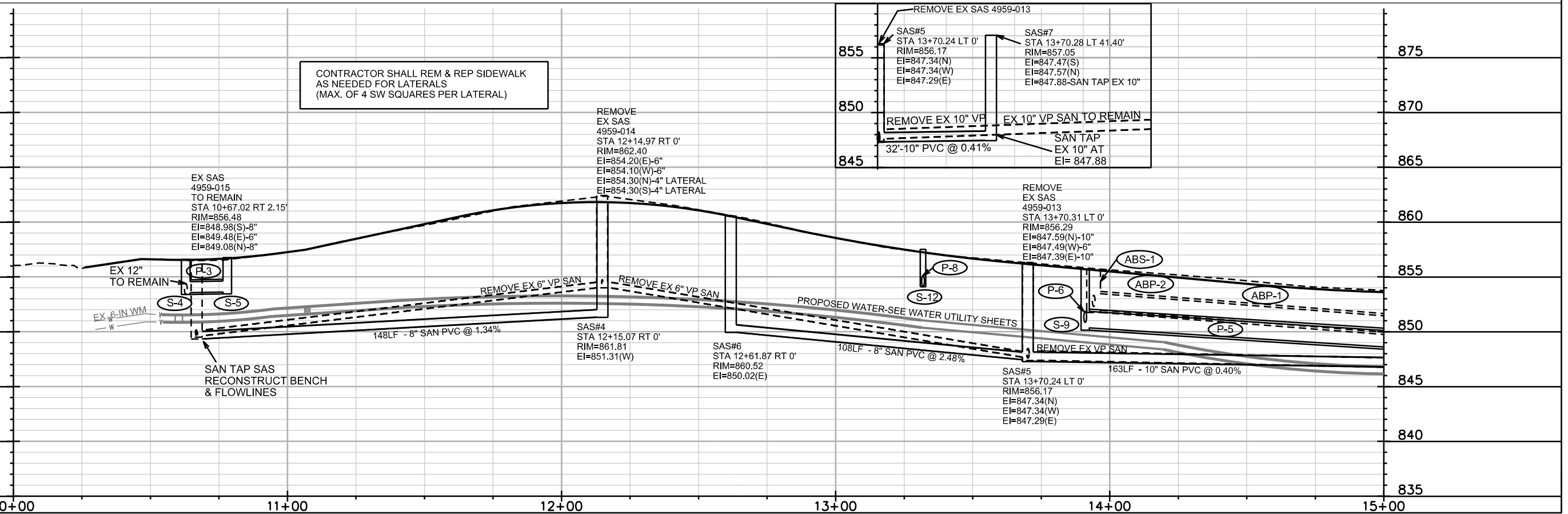
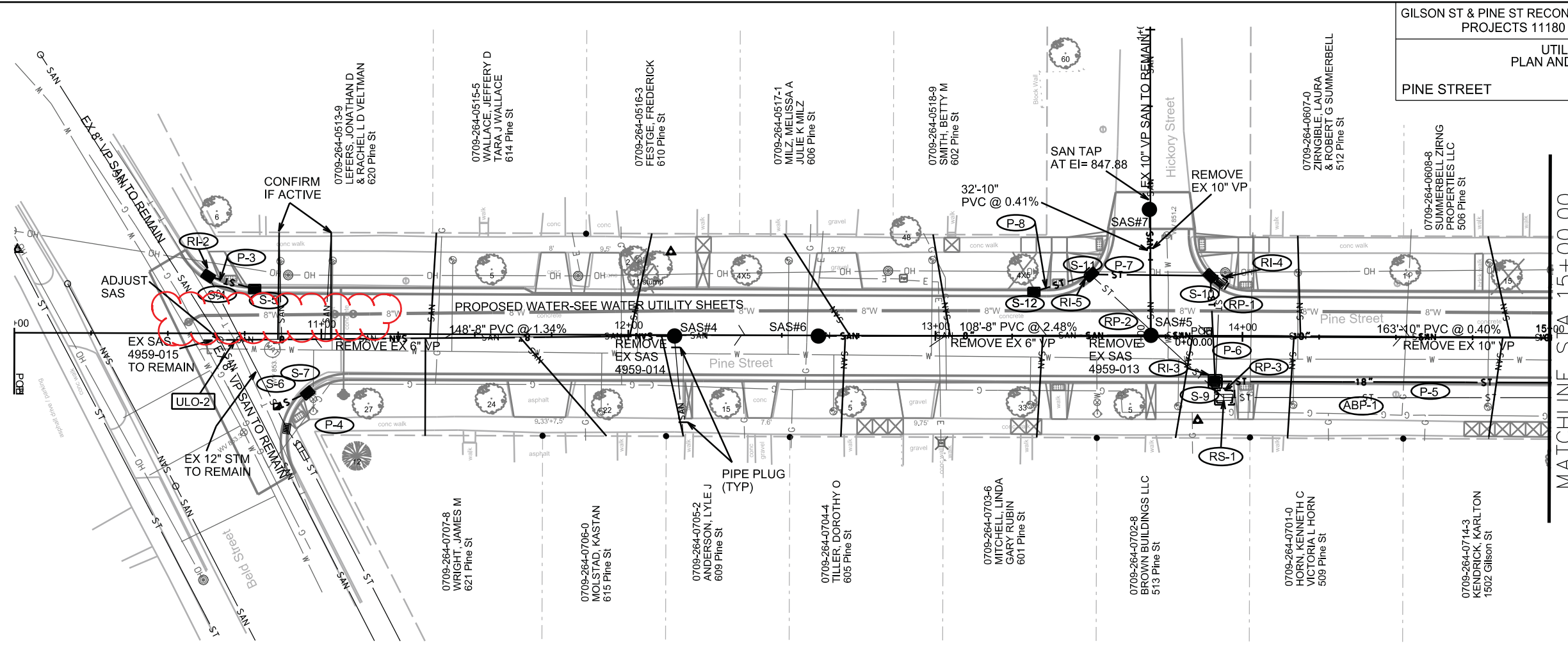


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)

SAN TAP SAS RECONSTRUCT BENCH & FLOWLINES

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SCHEDULE

GILSON ST & PINE ST RECON ASSMT DIST-2018	SHEET NO.
PROJECTS 11180 & 10901	U-SAN G
SANITARY SEWER SCHEDULE	
GILSON STREET	CITY OF MADISON

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>GILSON ST</b>						
SAS#1	17+79.87	RT-0.87	851.67	844.44	7.23	INSTALL EXTERNAL SAS JOINT SEAL
SAS#2	15+00.00	CL	870.92	860.00	10.92	-
SAS#3	12+86.92	CL	872.05	861.32	10.73	-

## PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
<b>GILSON ST</b>								
SAS#1	SAS#2	844.54	860.00	280	5.52%	8"	SDR-35	-
SAS#2	SAS#3	860.10	861.32	244	0.50%	8"	SDR-35	-
SAS#3	EX SAS 4958-010	861.42	861.56	33	0.42%	8"	SDR-35	-

## REMOVE SANITARY STRUCTURES

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
4957-019	17+79.64	RT-0.75	4'X4'	-

## ABANDON SANITARY STRUCTURES

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
4957-009	15+86.11	RT-11.29	4'X4'	-
4958-009	13+84.67	RT-11.33	4'X4'	-

## ABANDON SANITARY PIPES

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
4957-018	4957-009	196	6"	VP	Y	W/ SLURRY
4957-009	4958-009	200	6"	VP	Y	W/ SLURRY
4958-009	4958-010	128	6"	VP	Y	W/ SLURRY

## ADJUST SANITARY STRUCTURES

ID NO.	STATION	LOCATION (OFFSET)	EX RIM	PROP RIM	EX ADJ	NOTES
4958-010	12+55.72	RT-10.00	871.35	871.34	6"	-
4957-018	17+80.00	RT-10.20	851.69	851.47	1"	-

PLOT SCALE: ---

# STORM SEWER SCHEDULE

GILSON ST & PINE ST RECON ASSM'T DIST-2018 PROJECTS 11180 & 10901	SHEET NO. U-STM G
STORM SEWER SCHEDULE	
GILSON STREET	CITY OF MADISON

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>GILSON ST</b>							
S-1	17+81.95	LT-27.58	H INLET	851.12	847.62	3.50	W/ R-3067-7004-VB; (1)
S-2	17+64.00	LT-17.35	H INLET	851.90	848.10	3.80	W/ R-3067-7004-VB
S-3	17+62.00	RT-17.15	H INLET	852.70	849.30	3.40	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
<b>GILSON ST</b>										
P-1	S-1	S-2	847.62	848.10	19	15	3.20%	12"	TYPE 1	-
P-2	S-2	S-3	848.10	849.30	35	33	3.64%	12"	TYPE 1	-

## STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RI-1	4957-032	17+81.95	LT-27.58	H INLET	-

## ULO SCHEDULE

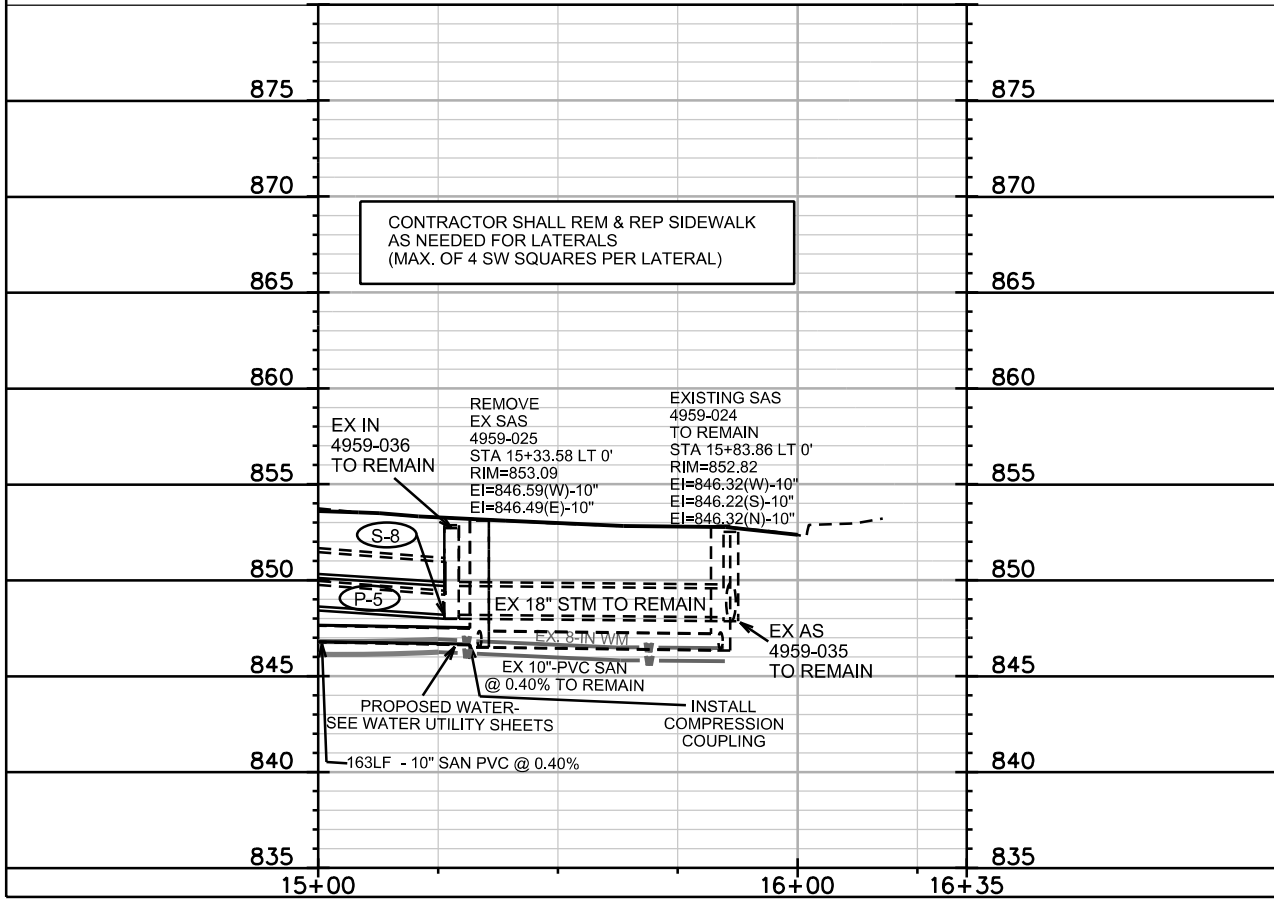
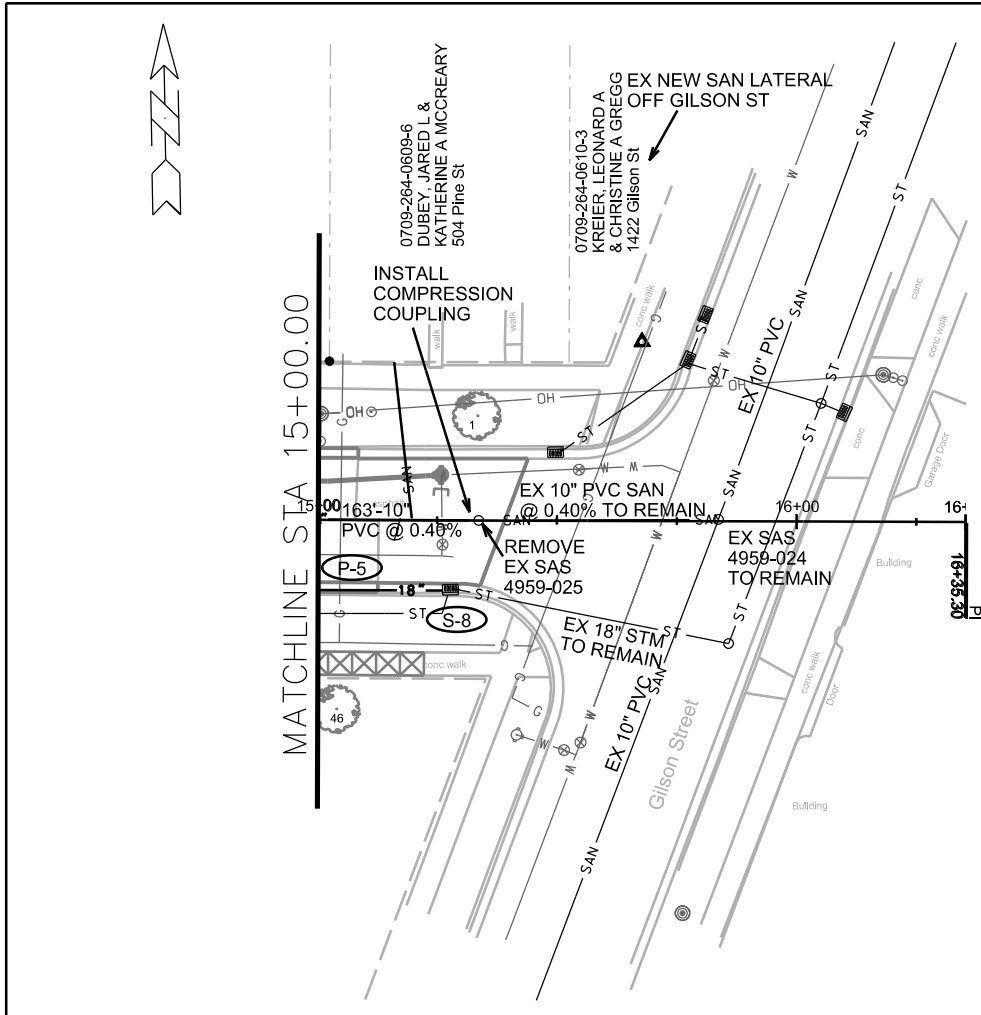
STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO-1	17+64.00	LT-19.00	GAS	-

## SPECIFIC NOTES

(1) CONNECT EXISTING PIPE TO NORTH

## 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.



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SCHEDULE

\* REVISED 4/10/18 EEA

GILSON ST & PINE ST RECON ASSMT DIST-2018	SHEET NO.
PROJECTS 11180 & 10901	U-SAN P
SANITARY SEWER SCHEDULE	
PINE STREET	CITY OF MADISON

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>PINE ST</b>						
SAS#4	12+15.07	CL	861.81	851.31	10.50	-
SAS#5	13+70.24	CL	856.17	847.29	8.88	-
SAS#6	12+61.87	CL	860.52	850.02	10.50	-
SAS#7	13+70.28	LT-41.40	857.05	847.47	9.58	-

## PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
<b>PINE ST</b>								
EX SAS 4959-015	SAS#4	849.33	851.31	148	1.34%	8"	SDR-35	-
EX SAS 4959-025	SAS#5	846.64	847.29	163	0.40%	10"	SDR-35	INSTALL COMPRESSION COUPLING
SAS#5	SAS#6	847.34	850.02	108	2.48%	8"	SDR-35	-
SAS#5	SAS#7	847.34	847.47	32	0.41%	10"	SDR-35	-

## REMOVE SANITARY STRUCTURES

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
4959-014	12+15.07	CL	SAS	4'X4'
4959-013	13+70.24	CL	SAS	4'X4'
4959-025	15+33.58	CL	SAS	4' CIRCULAR

## REMOVE SANITARY PIPES

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
4959-015	4959-014	145	6"	VP	N	-
* SAS#4	SAS#6	47	6"	VP	Y	-
* SAS#6	4959-013	108	6"	VP	N	-
4959-013	4959-025	165	10"	VP	N	-
4959-013	SAS#7	32	10"	VP	N	-

## ADJUST SANITARY STRUCTURES

ID NO.	STATION	LOCATION (OFFSET)	EX RIM	PROP RIM	EX ADJ	NOTES
4959-015	10+67.00	RT-2.00	856.48	856.56	6"	-

PLOT SCALE: ---



# STORM SEWER SCHEDULE

GILSON ST & PINE ST RECON ASSM'T DIST-2018		SHEET NO.
PROJECTS 11180 & 10901		U-STM P
STORM SEWER SCHEDULE		
PINE ST	CITY OF MADISON	

## PROPOSED STORM STRUCTURES

### PINE ST

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-4	10+63.06	LT-18.68	H INLET	856.57	853.53	3.04	LP; W/ R-3067-7004-V; (1)
S-5	10+77.13	LT-14.50	H INLET	856.74	853.61	3.13	W/ R-3067-7004-VB
S-6	10+85.53	RT-23.73	TAP EX PIPE	-	853.14	-	W/ CORE AND SEAL BOOT; (2)
S-7	10+95.62	RT-19.30	H INLET	857.33	853.73	3.60	W/ R-3067-7004-VB
S-8	15+27.78	RT-14.50	TAP EX IN 4959-036	-	848.17	-	-
S-9	13+91.18	RT-14.50	3X3 SAS	855.68	850.33	5.35	W/ R-3067-7004-VB
S-10	13+89.69	LT-19.77	H INLET	856.07	852.47	3.60	W/ R-3067-7004-VB
S-11	13+50.27	LT-20.36	H INLET	857.59	853.99	3.60	W/ R-3067-7004-VB
S-12	13+32.00	LT-14.50	H INLET	857.49	854.09	3.40	LP; W/ R-3067-7004-V

## PROPOSED STORM PIPES

### PINE ST

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-3	S-4	S-5	853.53	853.61	16	13	0.62%	12"	TYPE 1	-
P-4	S-6	S-7	853.14	853.73	11	9	6.56%	6"	PVC	-
P-5	S-8	S-9	848.17	850.33	137	134	1.61%	18"	TYPE 1	-
P-6	S-9	S-10	850.83	852.47	34	32	5.12%	12"	TYPE 1	-
P-7	S-10	S-11	852.47	853.99	39	36	4.22%	12"	TYPE 1	-
P-8	S-11	S-12	853.99	854.09	20	16	0.63%	12"	TYPE 1	-

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RI-2	IN 4959-032	10+63.06	LT-18.68	H INLET	-
RI-3	IN 4959-029	13+91.18	RT-14.50	H INLET	-
RI-4	IN 4959-028	13+92.38	LT-17.52	H INLET	-
RI-5	IN 4959-027	13+50.41	LT-20.37	H INLET	-
RS-1	AS 4959-026	13+93.94	RT-20.00	CB	-

## REMOVE STORM PIPE

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1	S-9	RI-4	32	12"	VP	N	-
RP-2	RS-1	RI-5	58	12"	VP	Y	-
RP-3	RS-1	RI-3	5	12"	VP	N	-

## ABANDON STORM PIPE

ABANDON NO.	ABANDON FROM	ABANDON TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
ABP-1	IN 4959-036	AS 4959-026	135	18"	VP / RCP	Y	PLUGS

## ULO SCHEDULE

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO-2	10+71.57	RT-2.00	FO	-

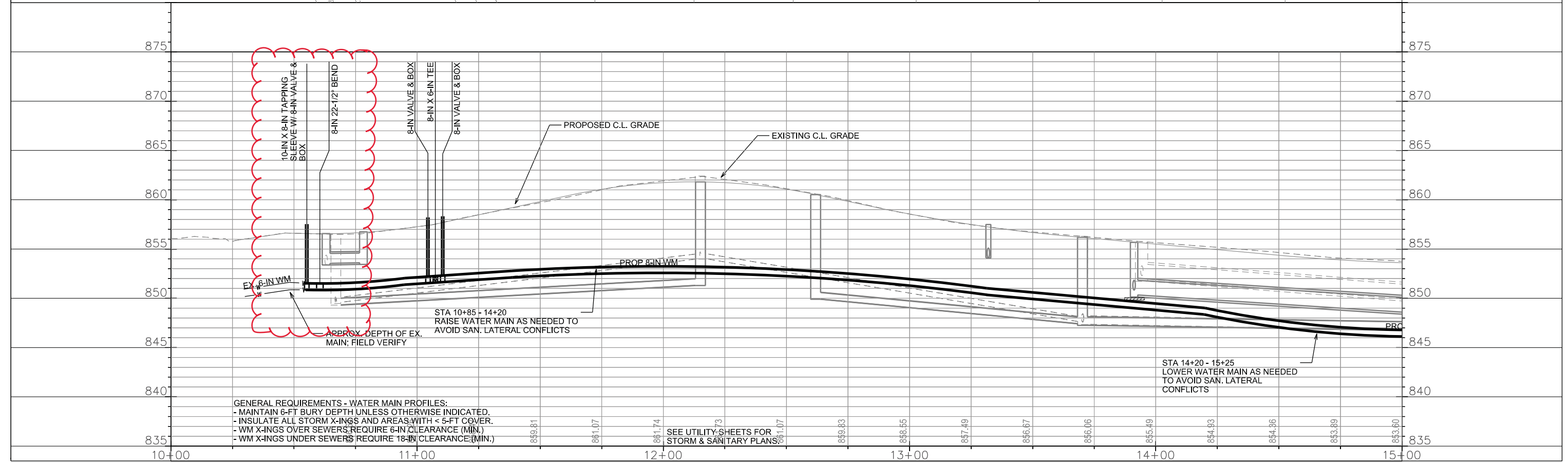
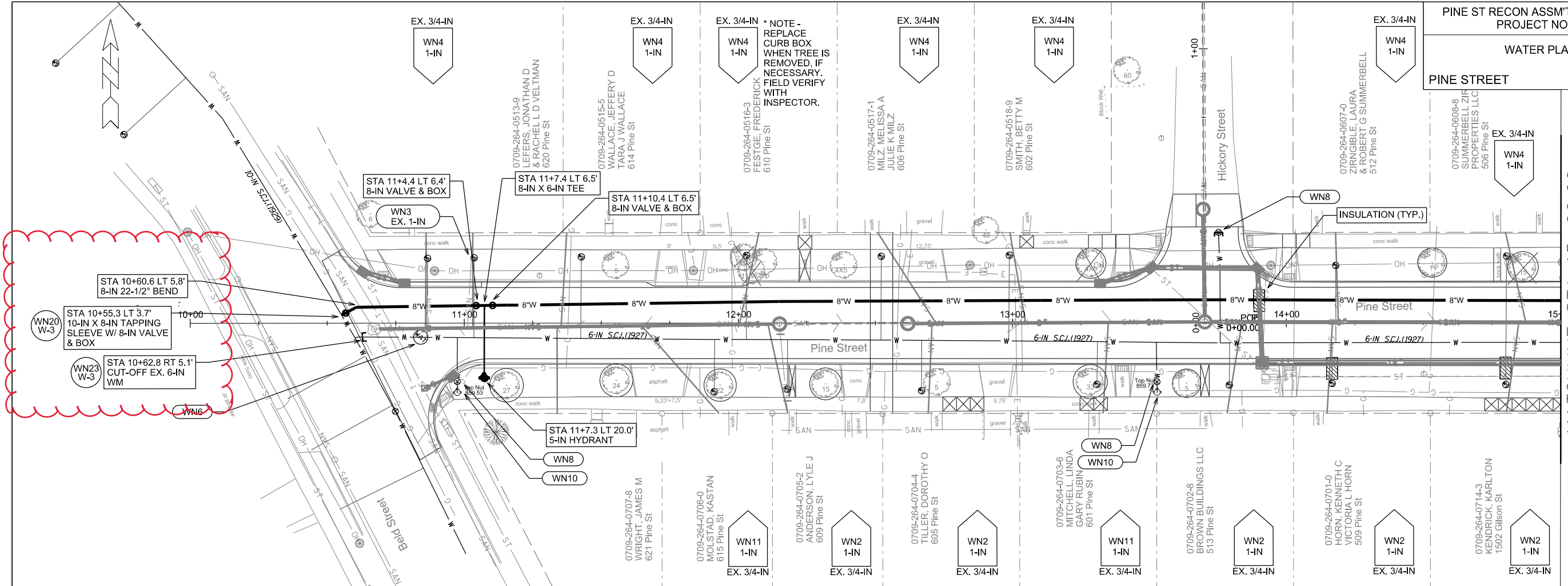
## SPECIFIC NOTES

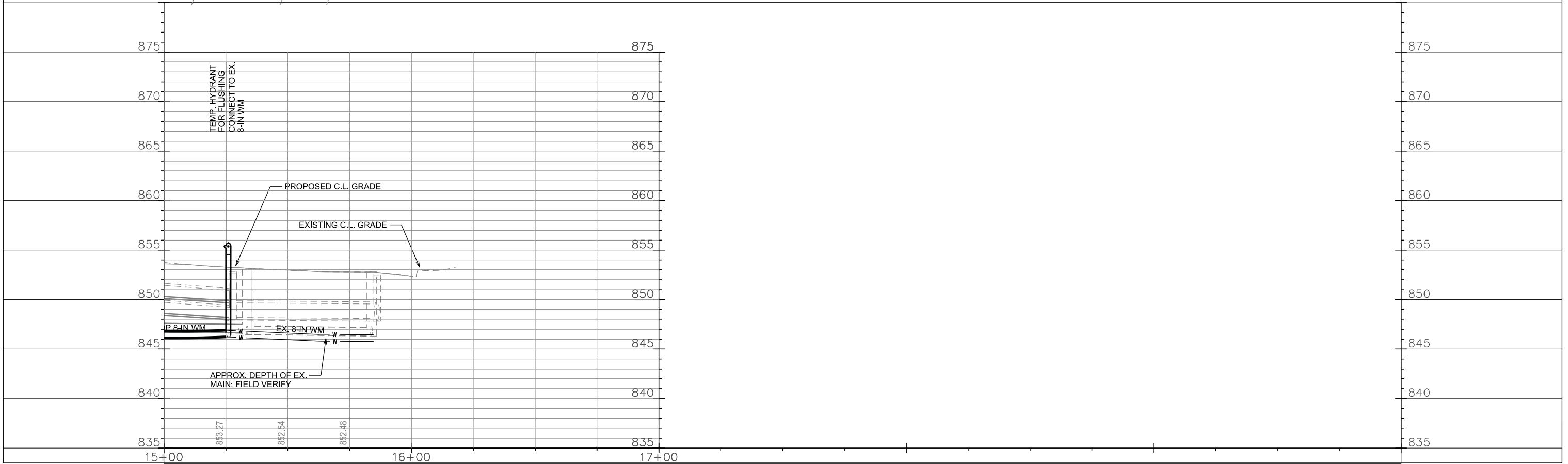
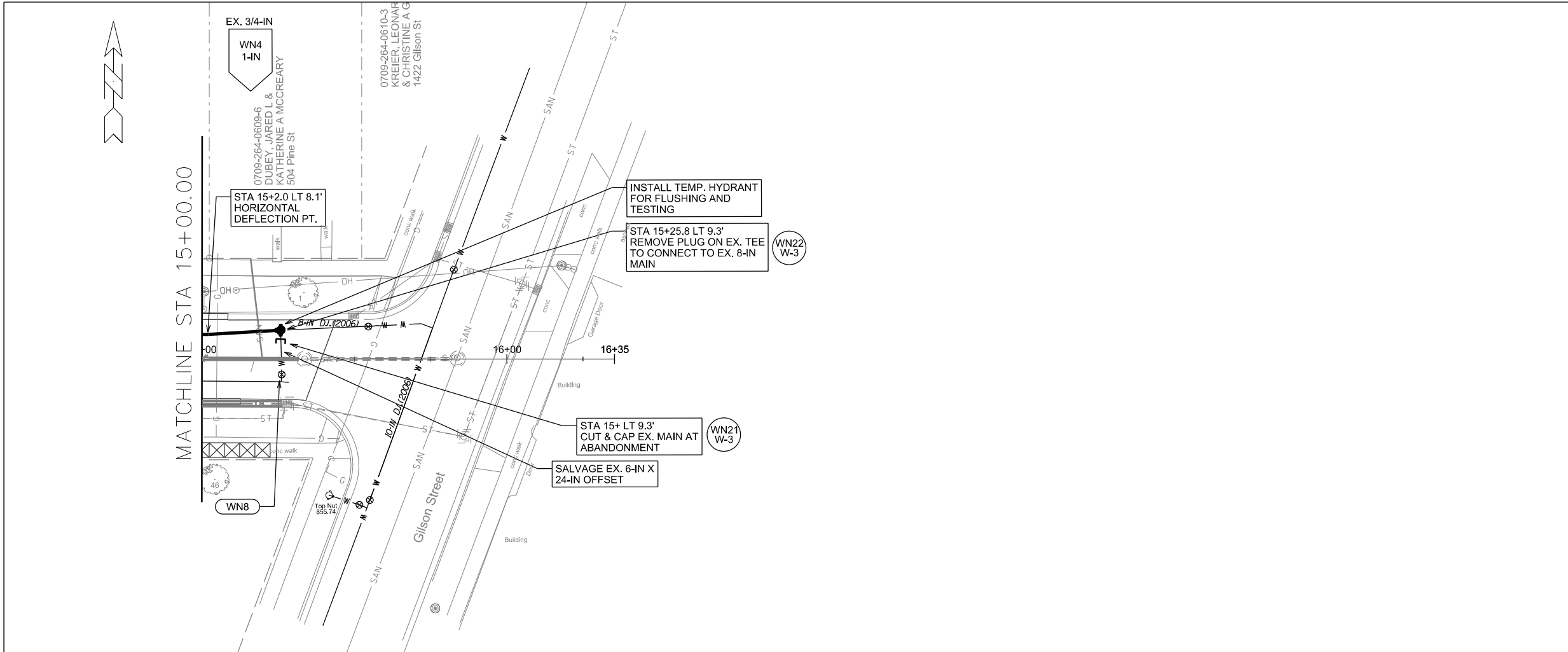
- (1) CONNECT EXISTING PIPE TO SOUTH
- (2) FIELD VERIFY TAP EI; MATCH SPRINGLINES; INSTALL MARKER BALL

## 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.

REV 4/10/18  
CHANGE  
CONNECTION  
FROM EX. 6-IN  
WM TO EX. 10-IN  
WM ON BELD  
STREET, ADDED  
CUT-OFF AND  
LIVE TAP.





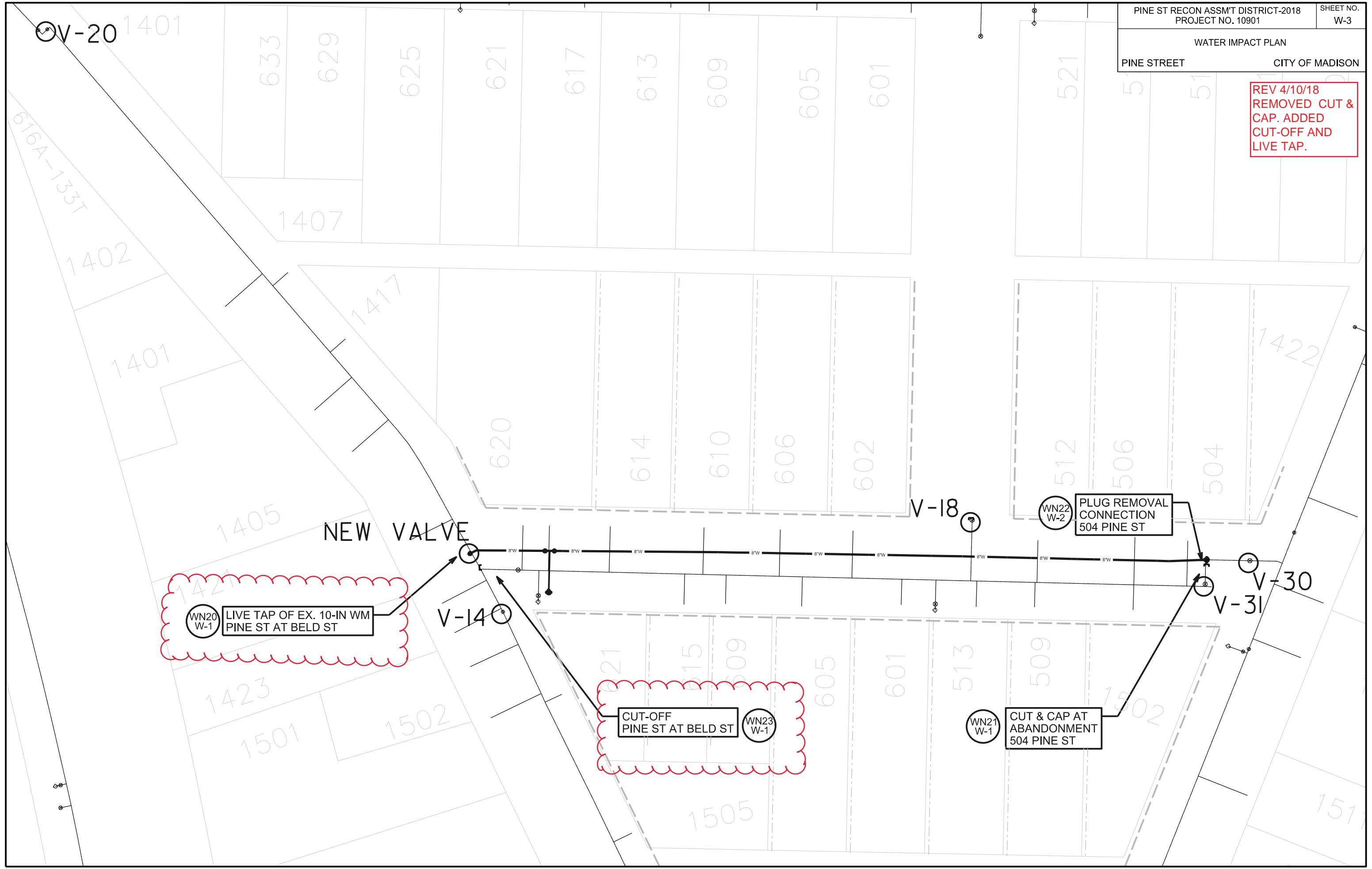
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 4/10/18  
REMOVED CUT &  
CAP. ADDED  
CUT-OFF AND  
LIVE TAP.



**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.

REV 4/10/18  
QUANTITIES  
RECALCULATED.

**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

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

- |                      |  |
|----------------------|--|
| 40-FT - 6-IN PIPE    | 2 - 6-IN MJ CAP                        |
| 460-FT - 8-IN PIPE   | 2 - 5-IN HYDRANT (1 PERMANENT, 1 TEMP) |
| 2 - 8-IN VALVE & BOX | 32-FT - 2-IN STYROFOAM INSULATION      |
| 1 - 8-IN X 6-IN TEE  | 580-FT - POLY WRAP                     |
|                      | 1-IN TO 2-IN COPPER (AS REQ'D)         |

**MATERIALS SUPPLIED BY CITY:**

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- 1 - 10-IN X 8-IN TAPPING SLEEVE
- 1 - 8-IN VALVE & BOX

**ESTIMATE OF MATERIALS SALVAGED:**

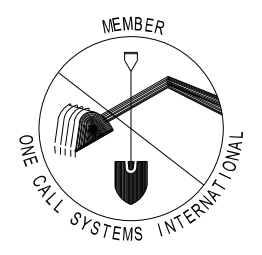
*\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 2 - 5-IN HYDRANT
- 1 - 6-IN X 24-IN OFFSET

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

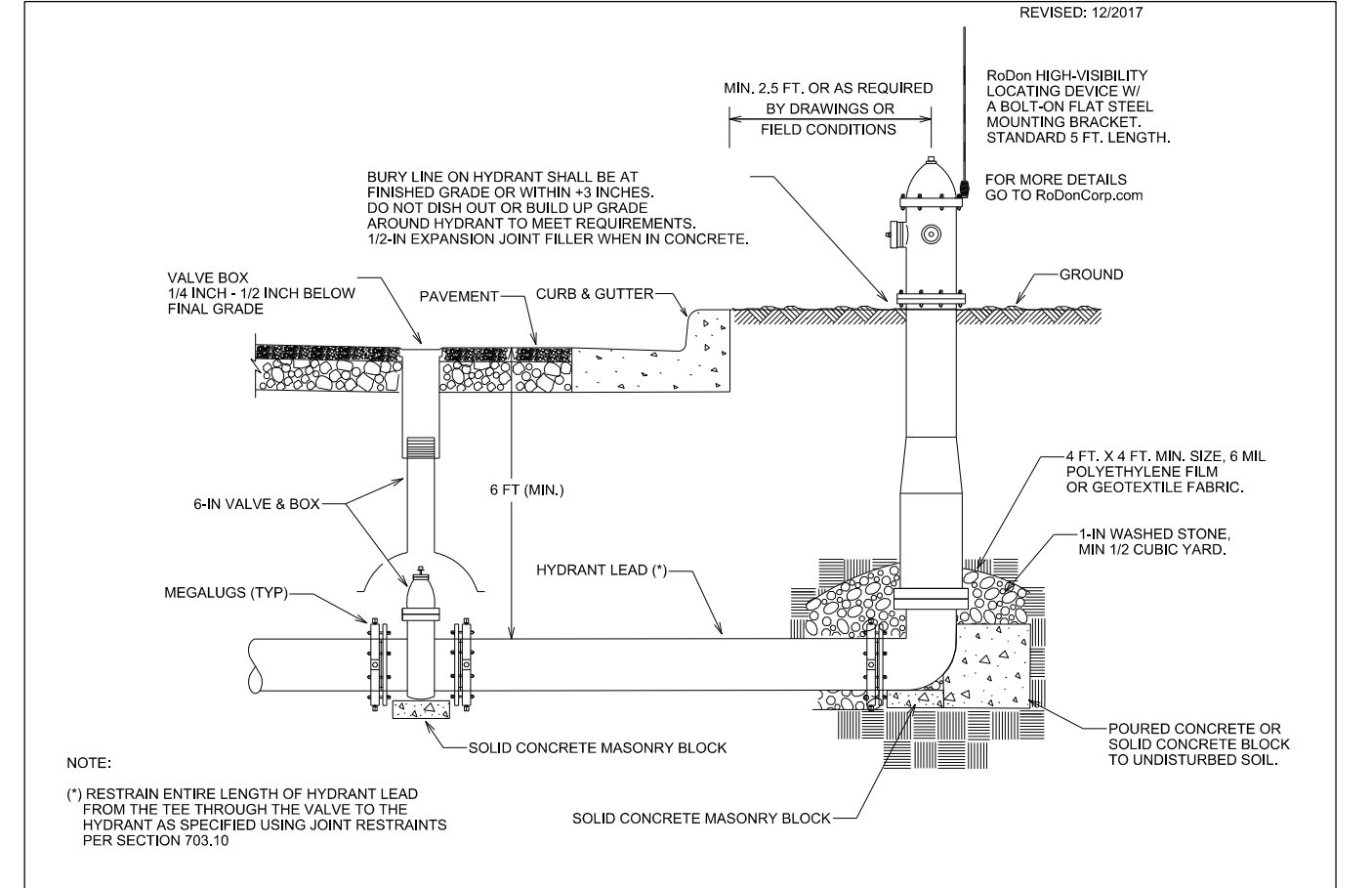
CALL DIGGERS HOTLINE TOLL FREE  
811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



**DISCLAIMER NOTE:**  
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**PART VII - WATER MAINS AND SERVICE LATERALS** **DETAIL DRAWING NO. 7.04**



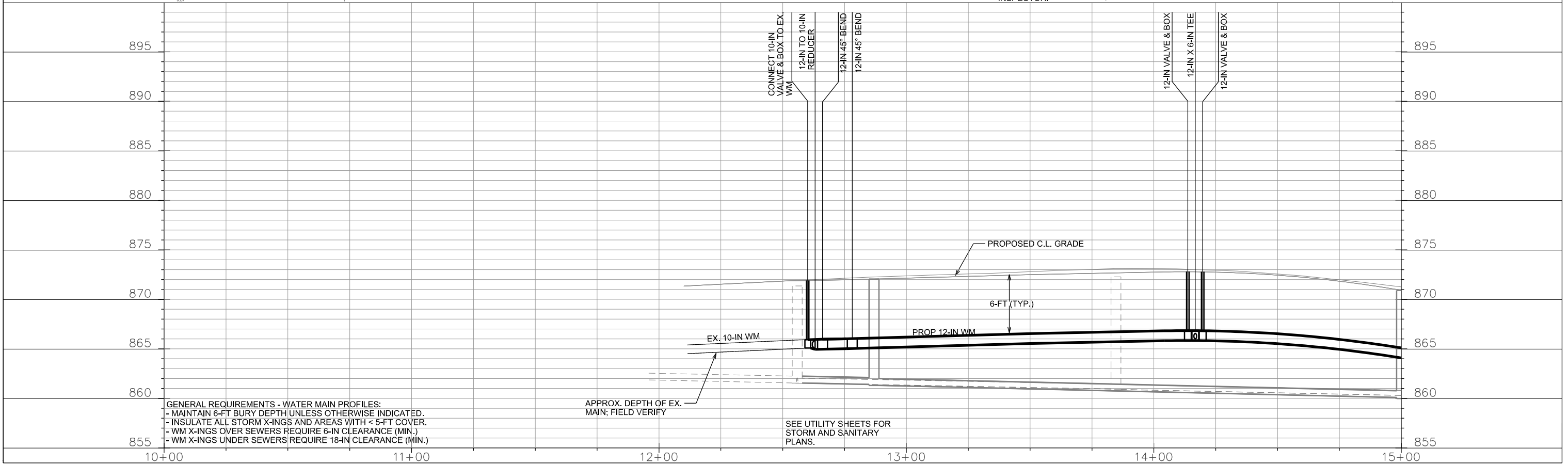
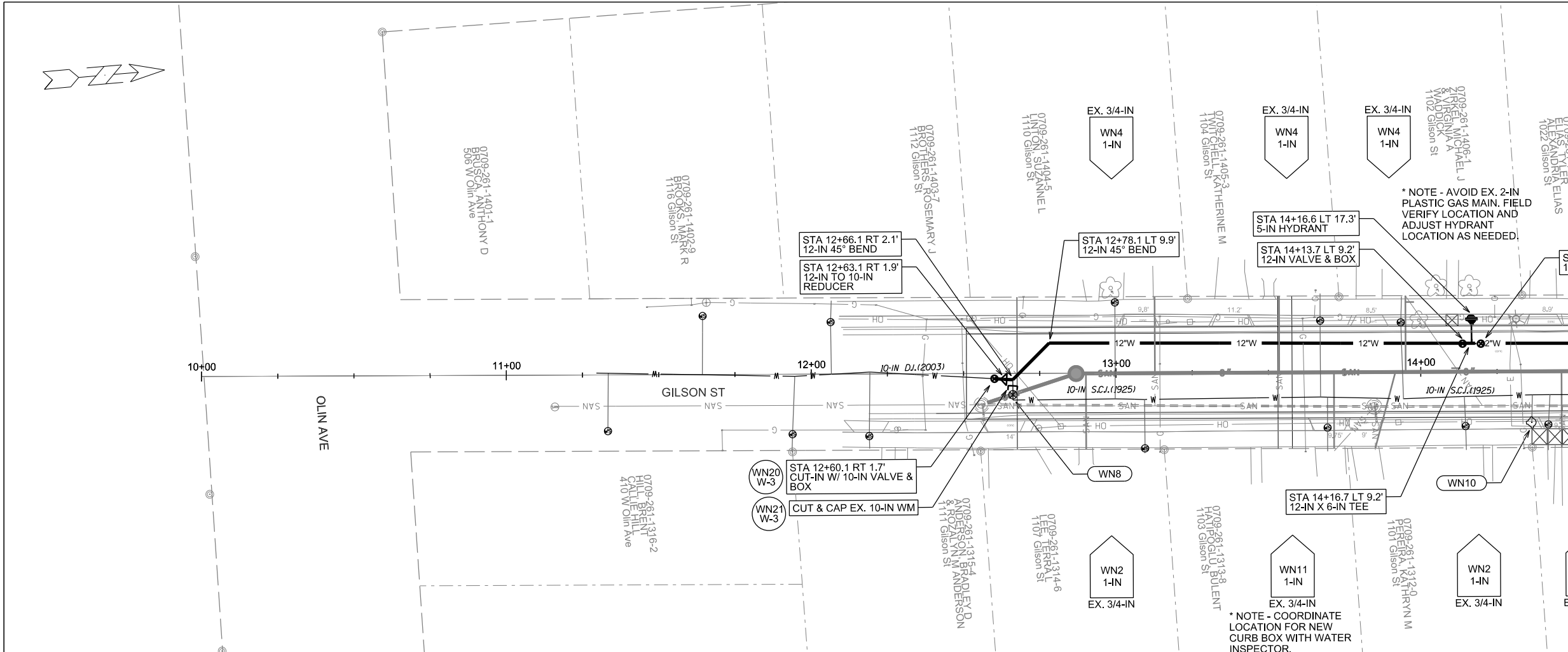
NOTE:  
(\* ) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



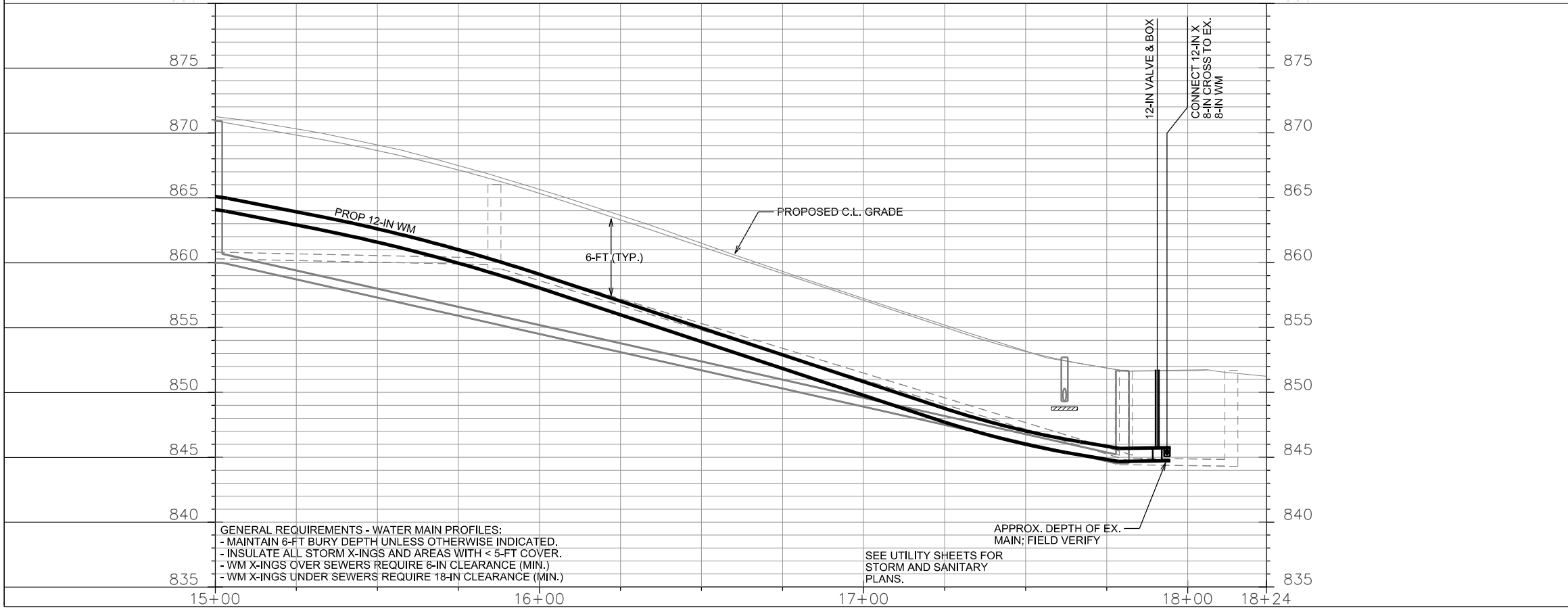
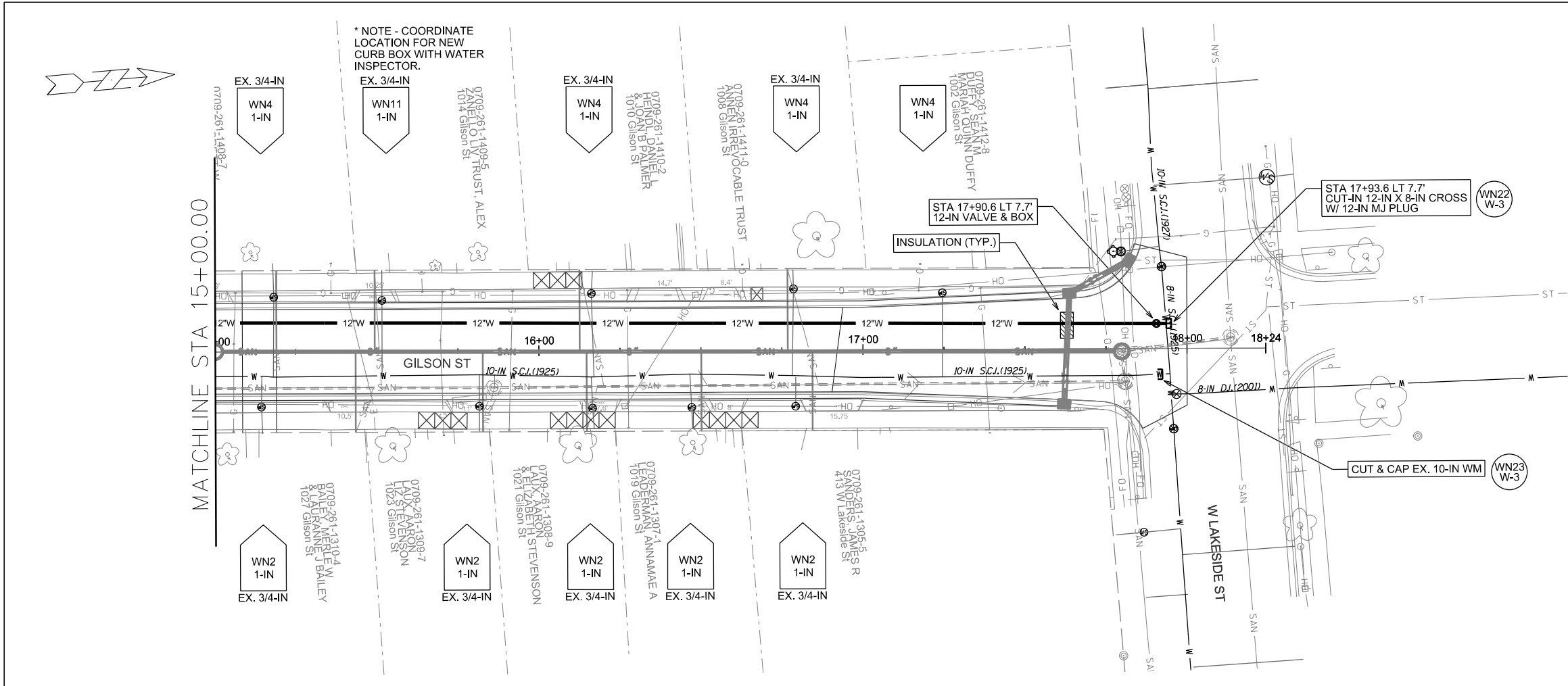
GENERAL REQUIREMENTS - WATER MAIN PROFILES:  
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.  
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.  
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)  
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

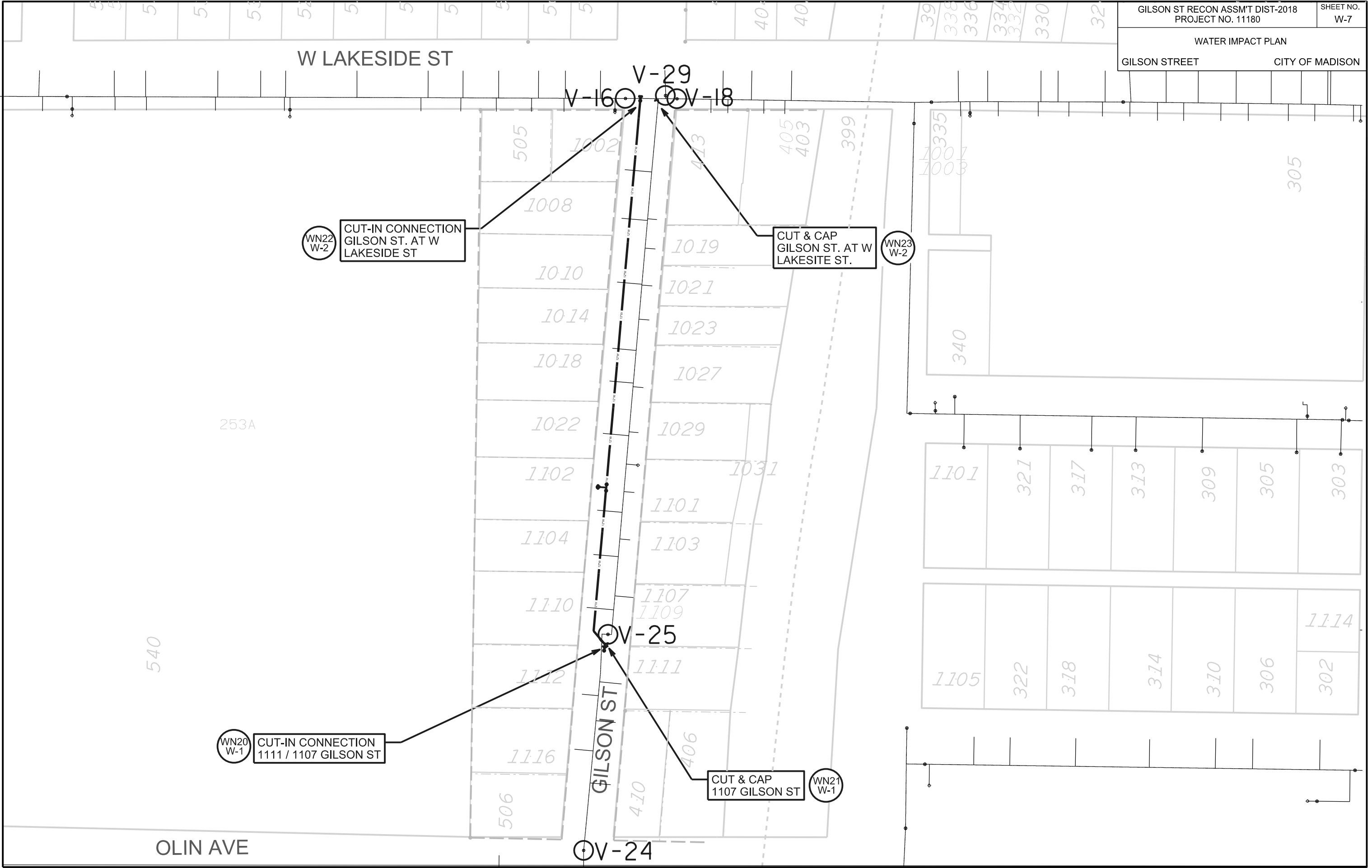


PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

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10-FT - 6-IN PIPE	2 - 12-IN 45° BEND
10-FT - 10-IN PIPE	2 - 10-IN MJ PLUG
540-FT - 12-IN PIPE	1 - 12-IN MJ CAP
1 - 10-IN VALVE & BOX	1 - 5-IN HYDRANT
3 - 12-IN VALVE & BOX	8-FT - 2-IN STYROFOAM INSULATION
1 - 12-IN X 6-IN TEE	660-FT - POLY WRAP
1 - 12-IN X 8-IN CROSS	1-IN TO 2-IN COPPER (AS REQ'D)

**ESTIMATE OF MATERIALS SALVAGED:**

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1 - 5-IN HYDRANT
------------------

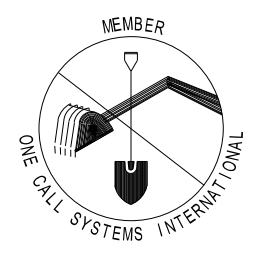
**ESTIMATE OF MATERIALS REUSED:**

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TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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811 OR 1-800-242-8511  
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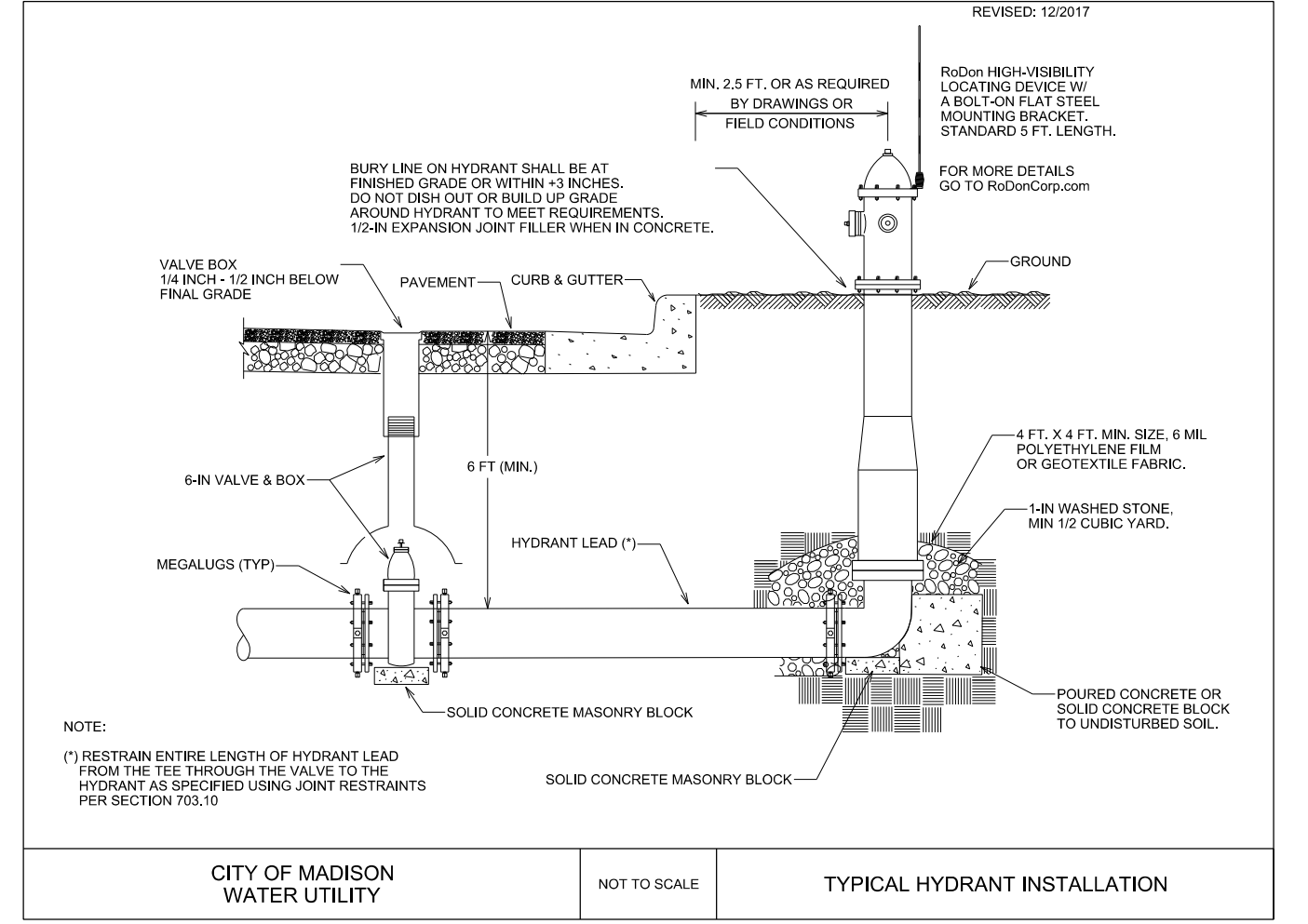
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



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**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: \_\_\_\_\_

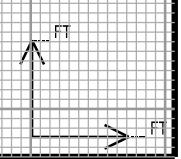
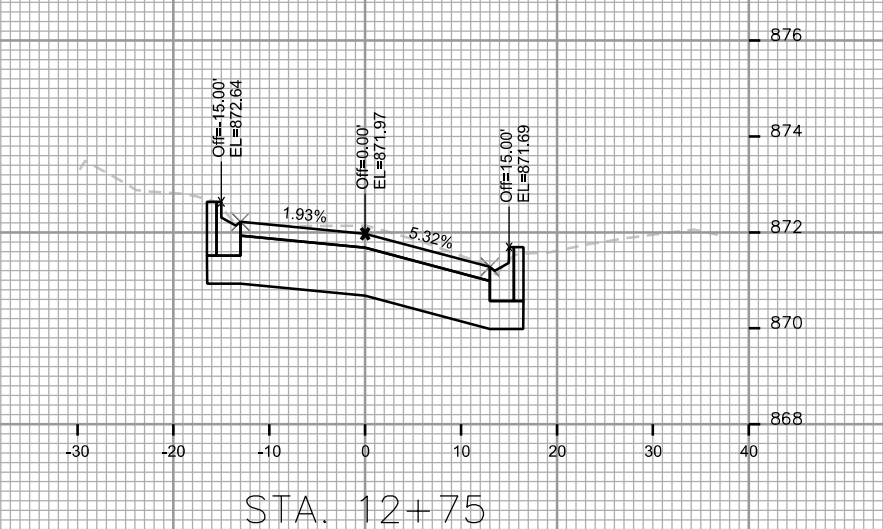
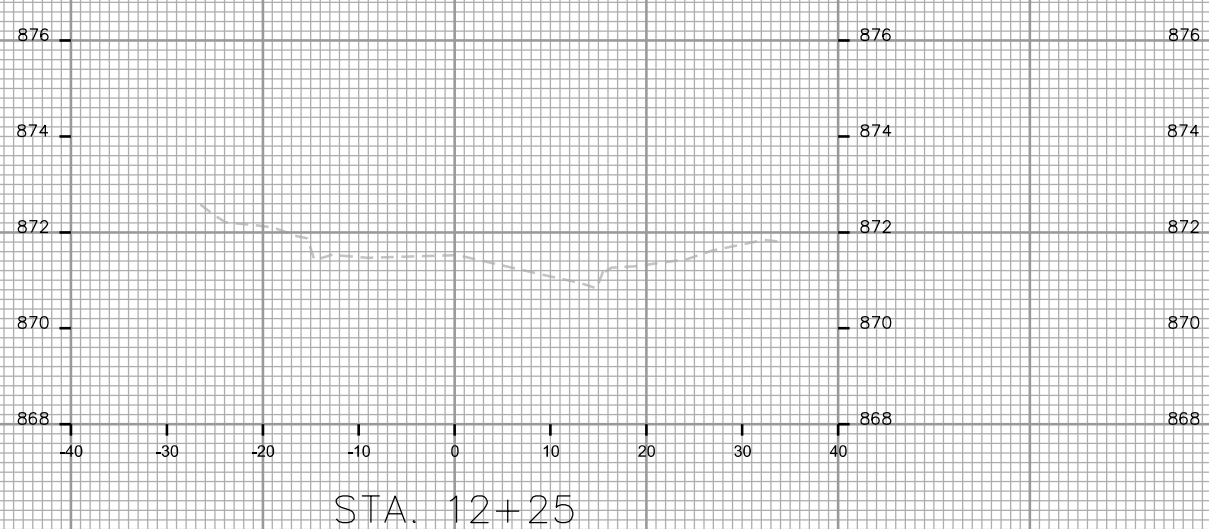
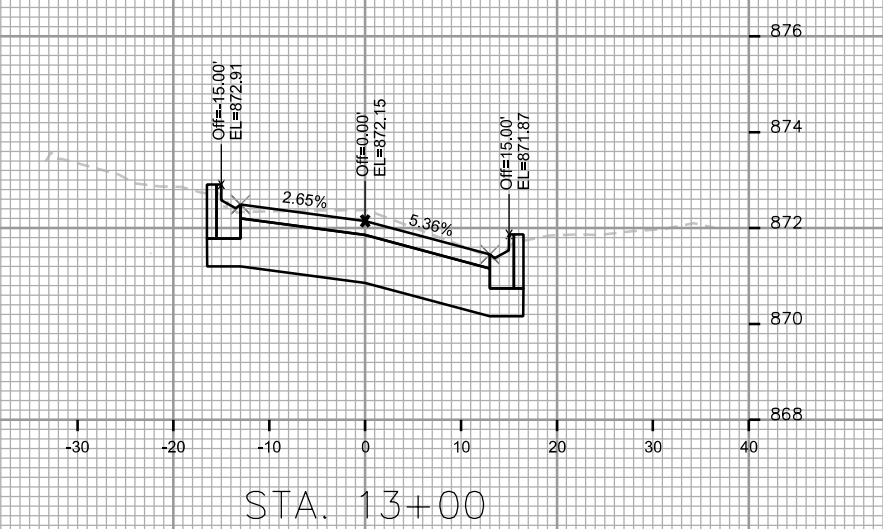
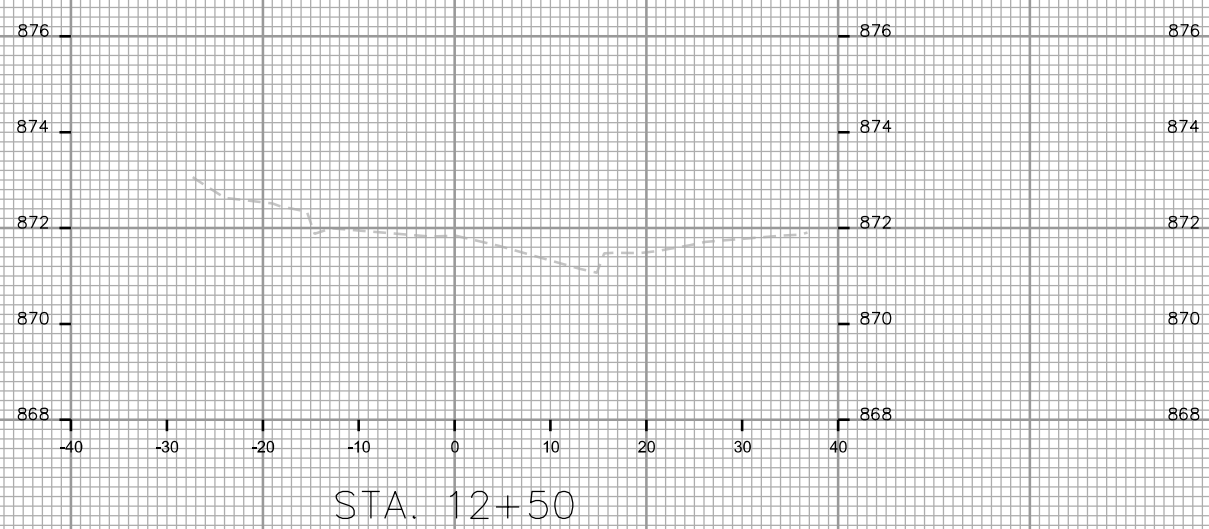
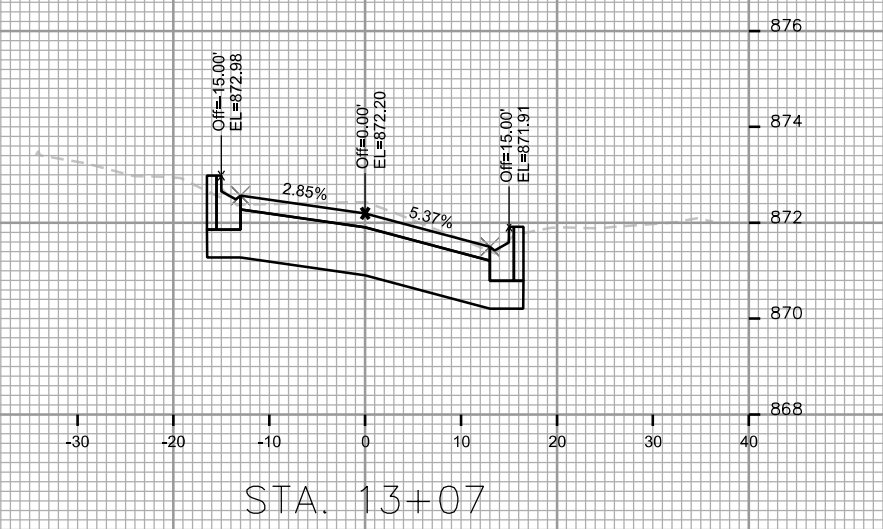
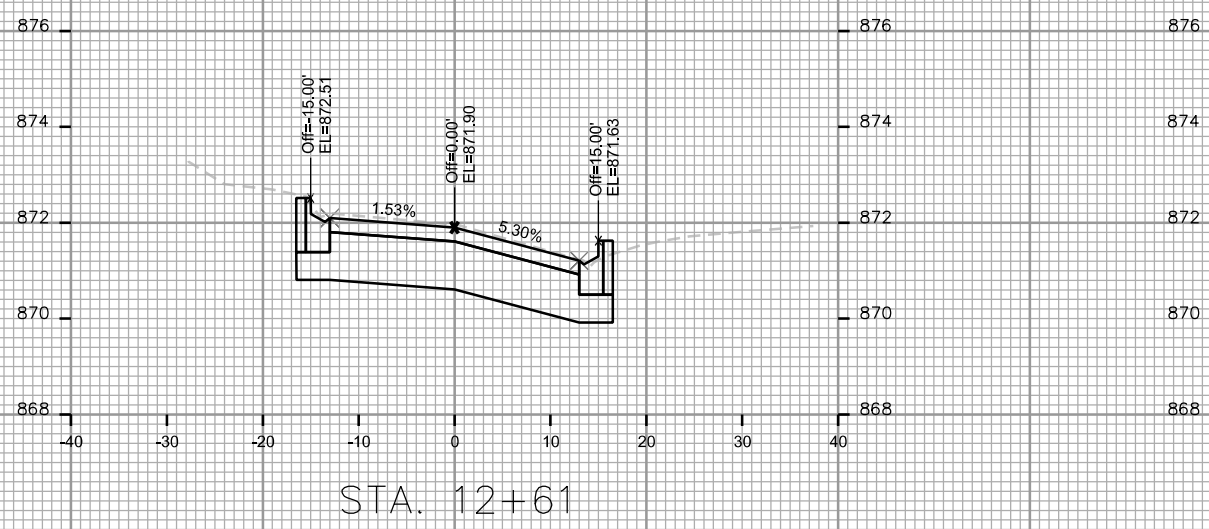
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

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

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

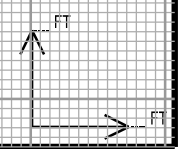
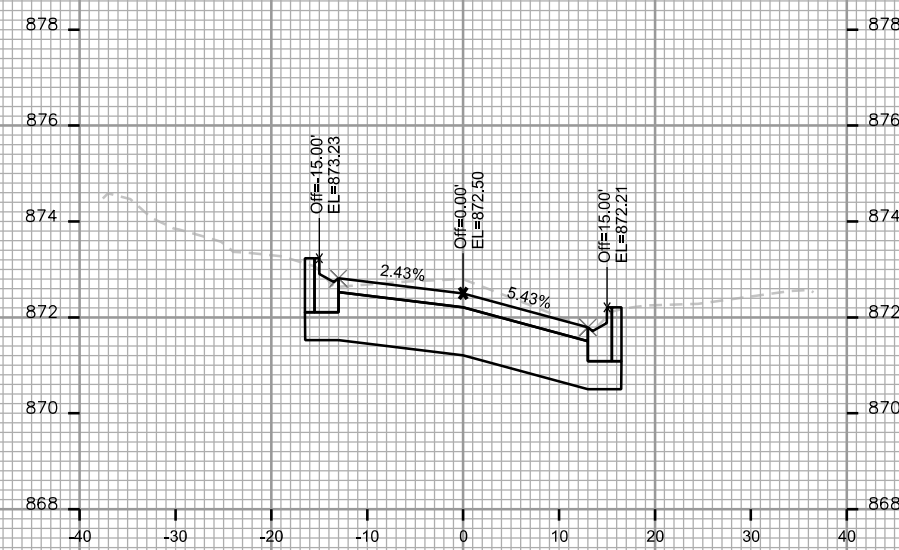
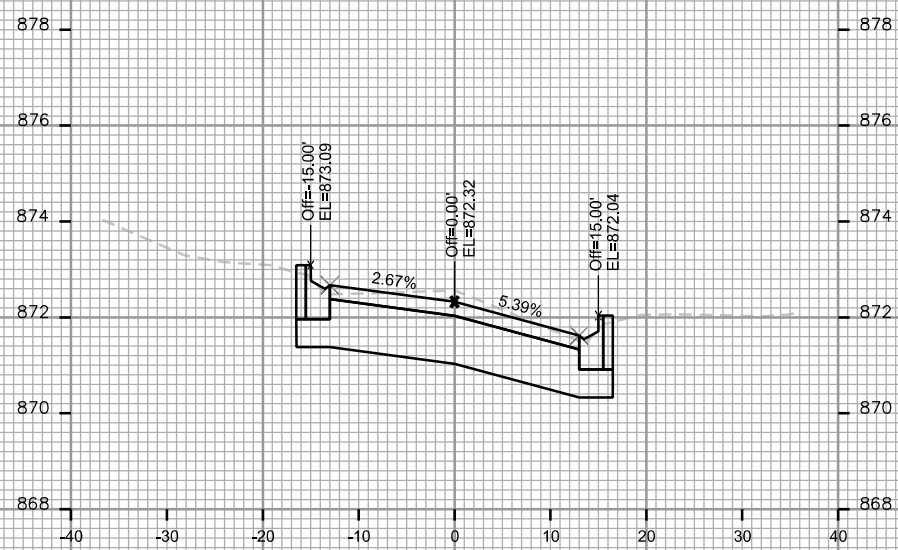
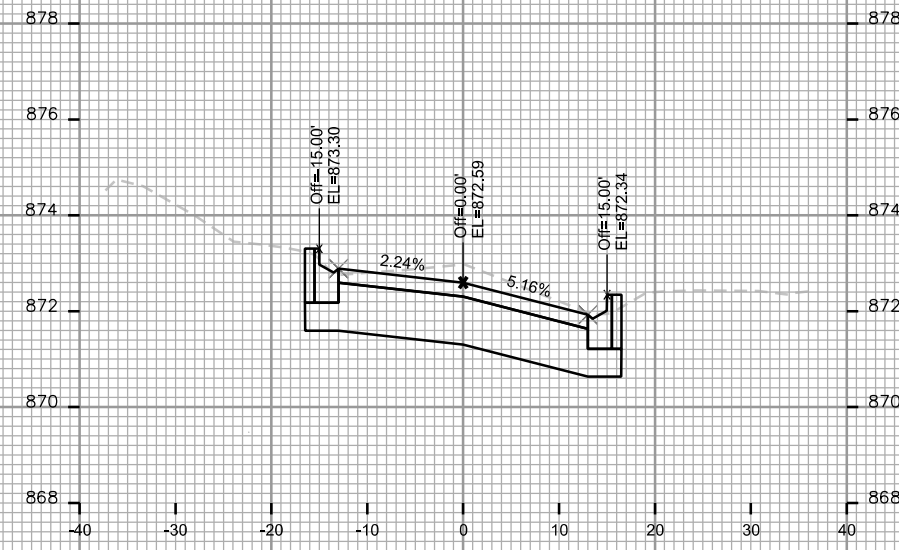
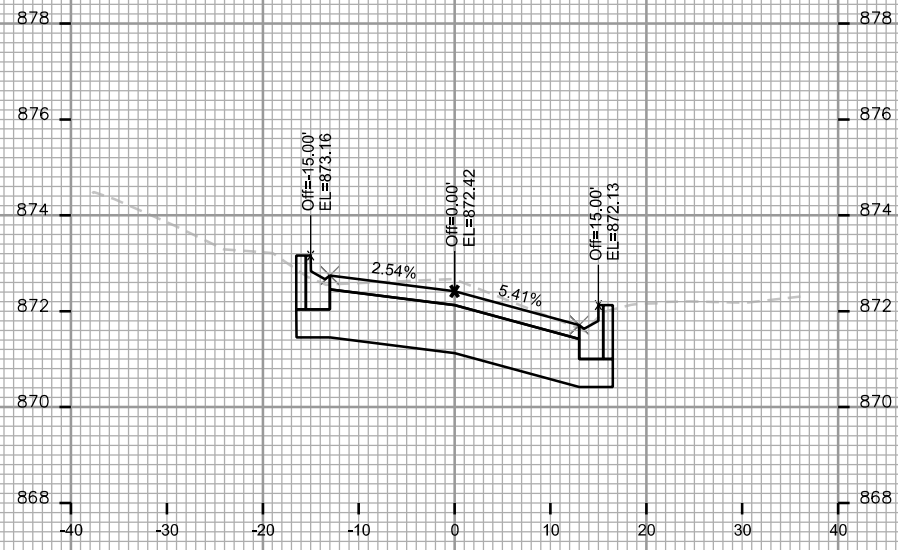
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

GILSON ST

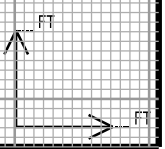
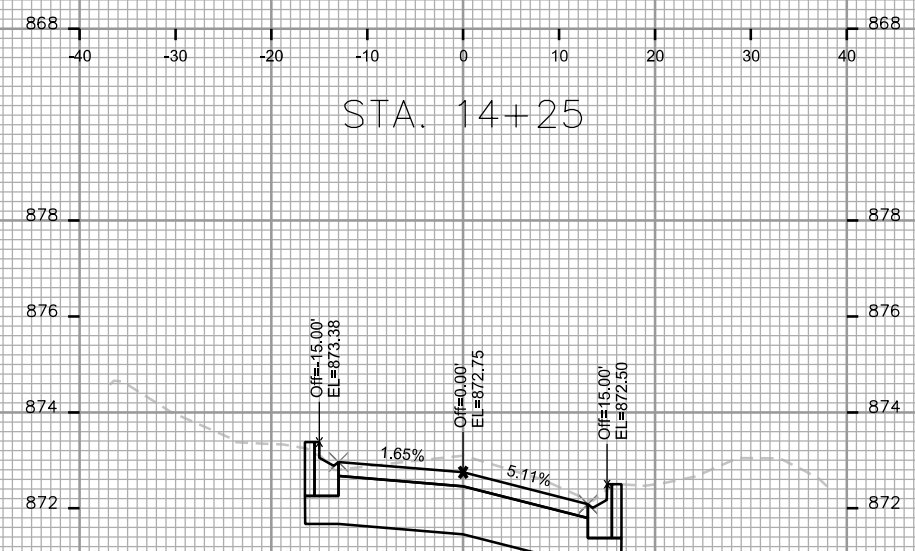
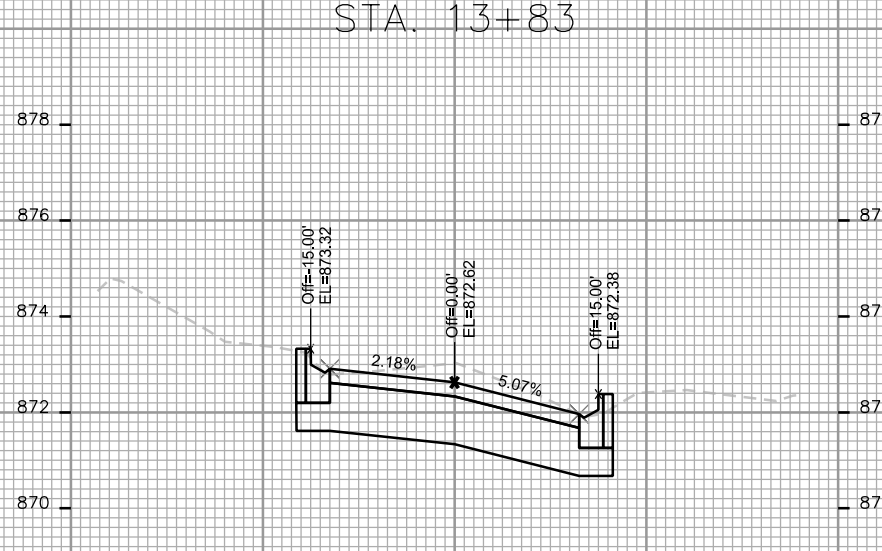
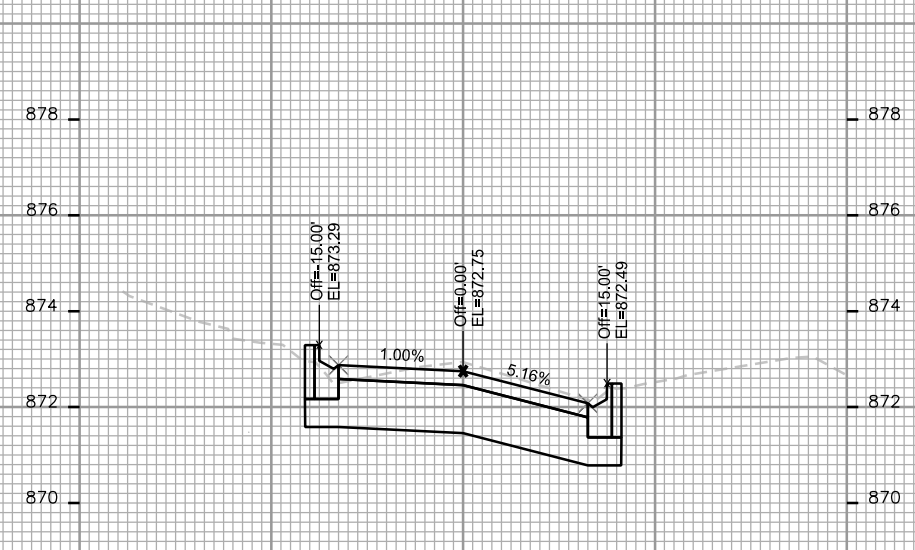
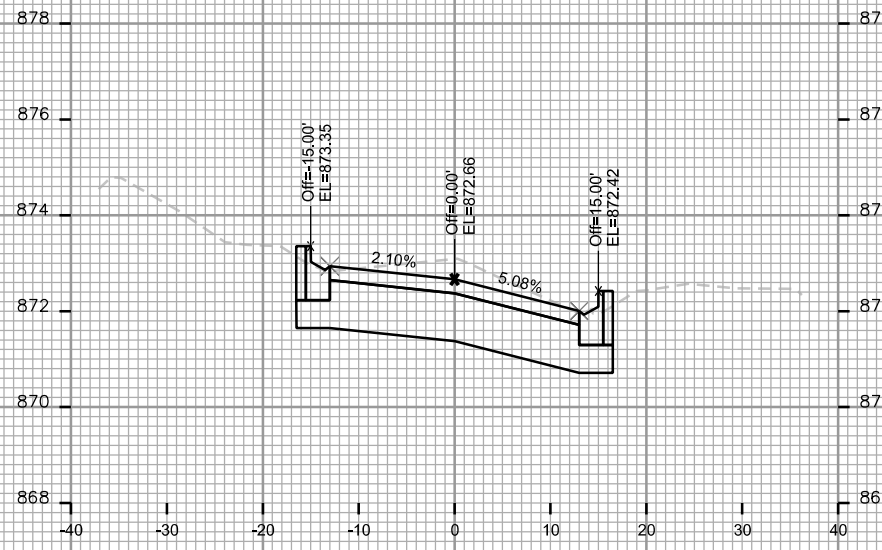
CITY OF MADISON

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

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

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

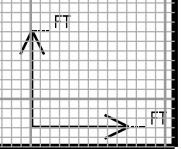
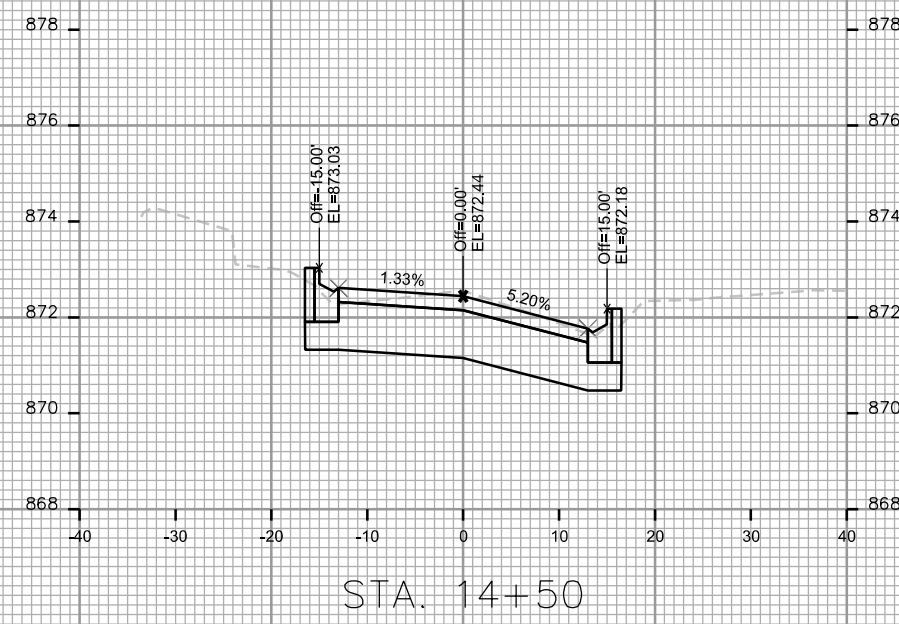
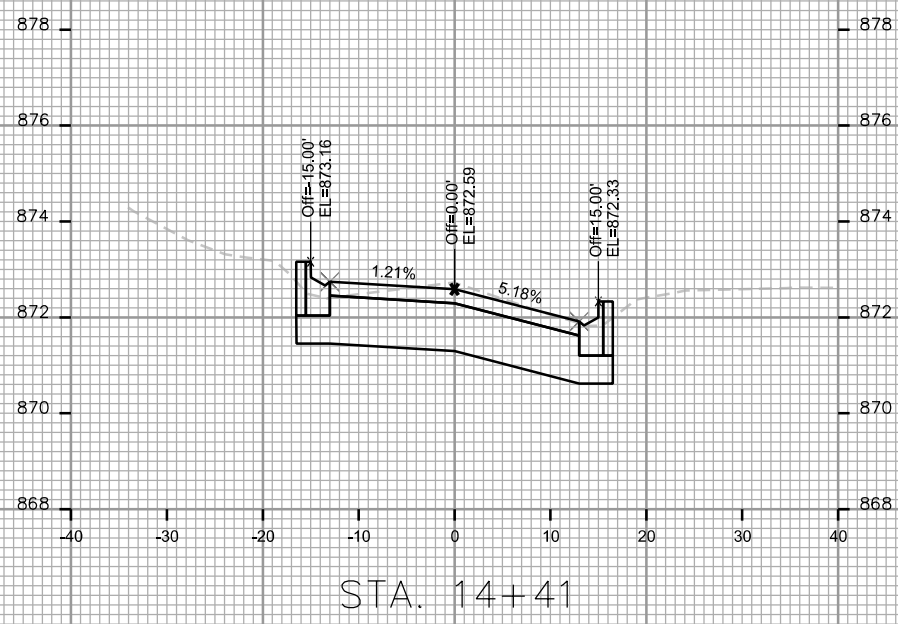
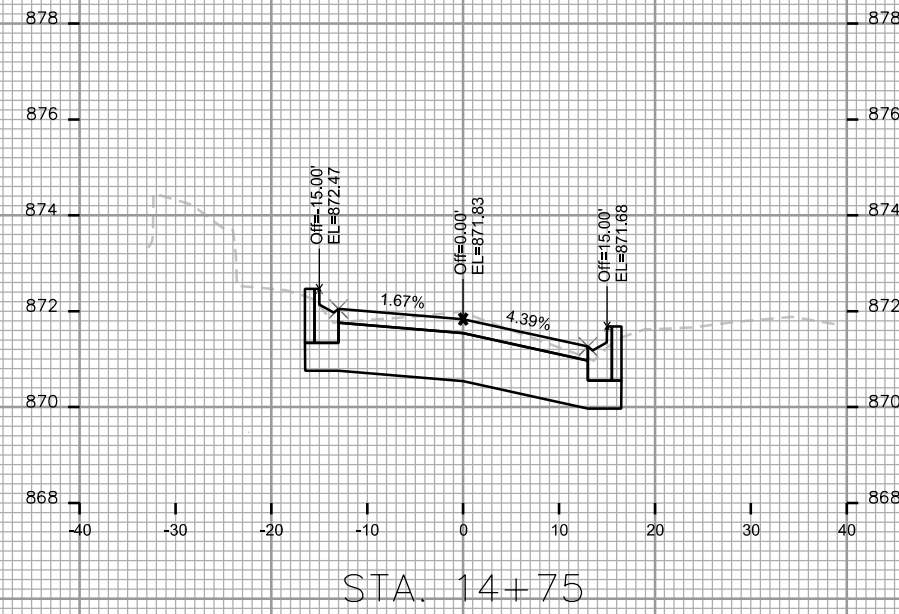
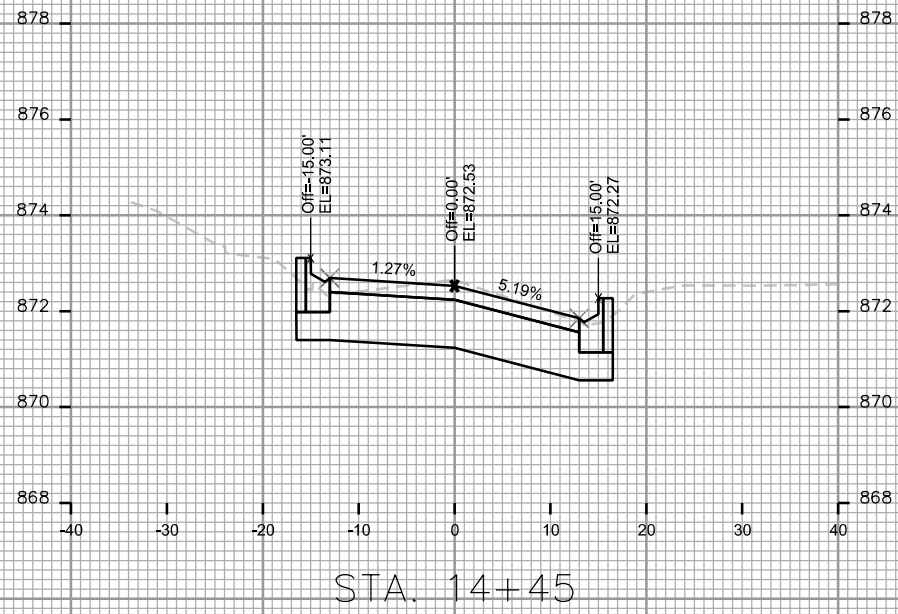
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

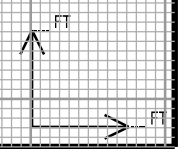
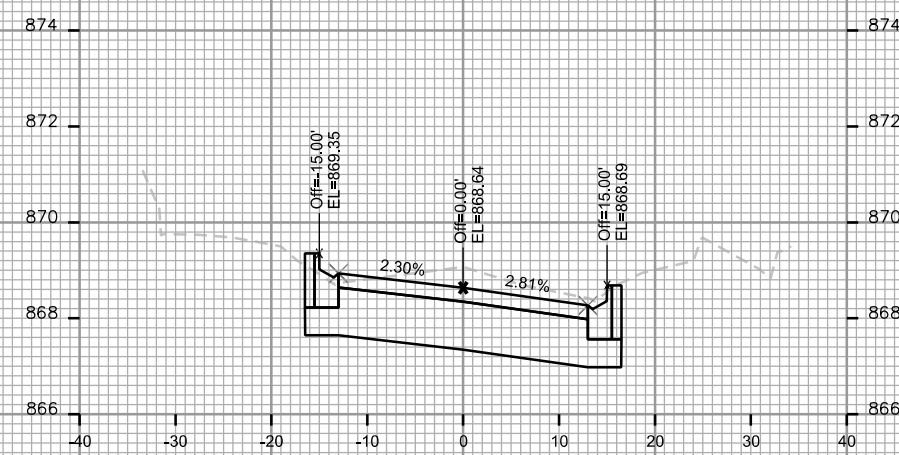
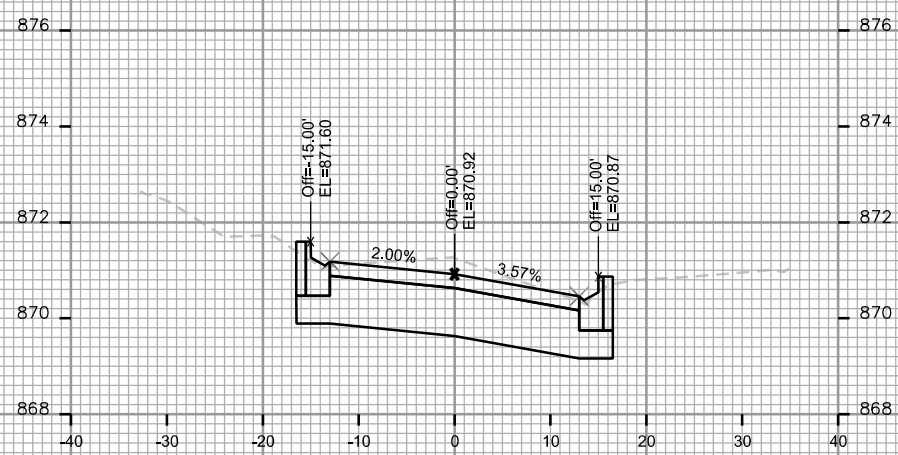
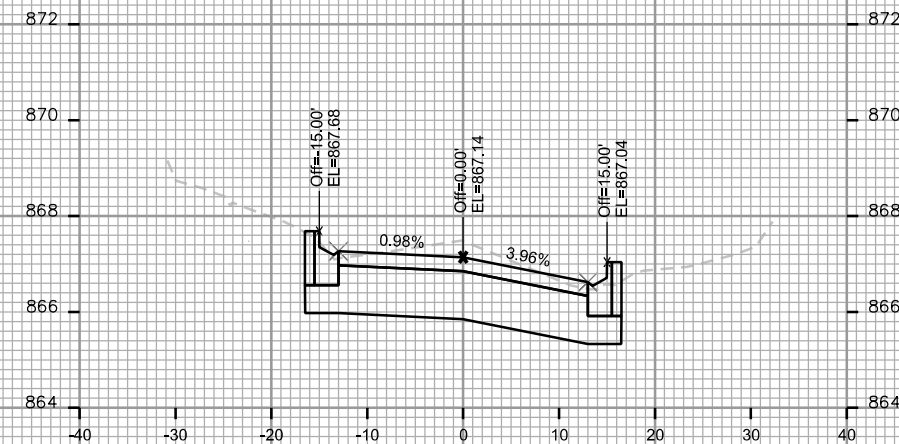
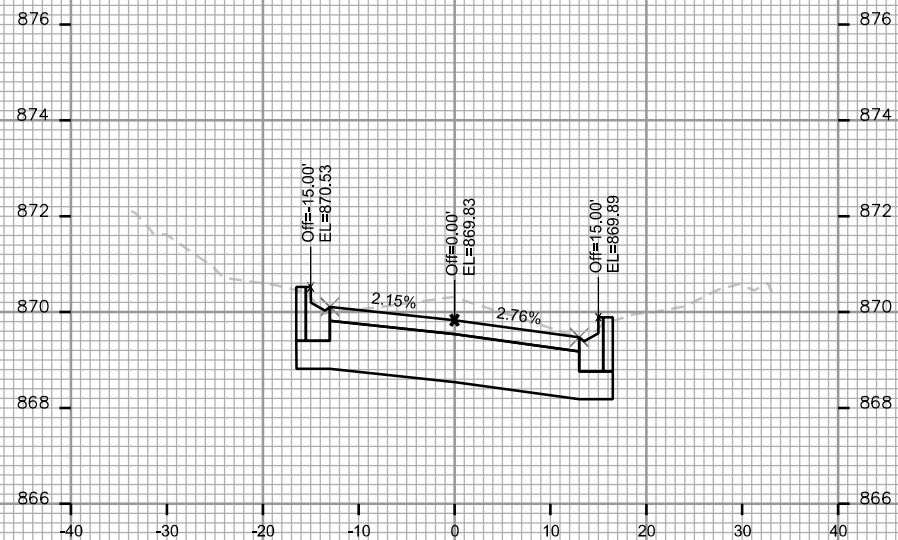
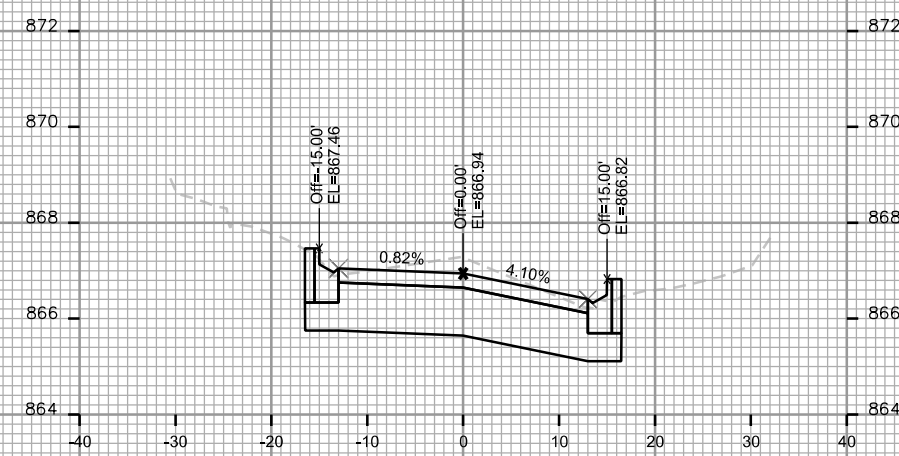
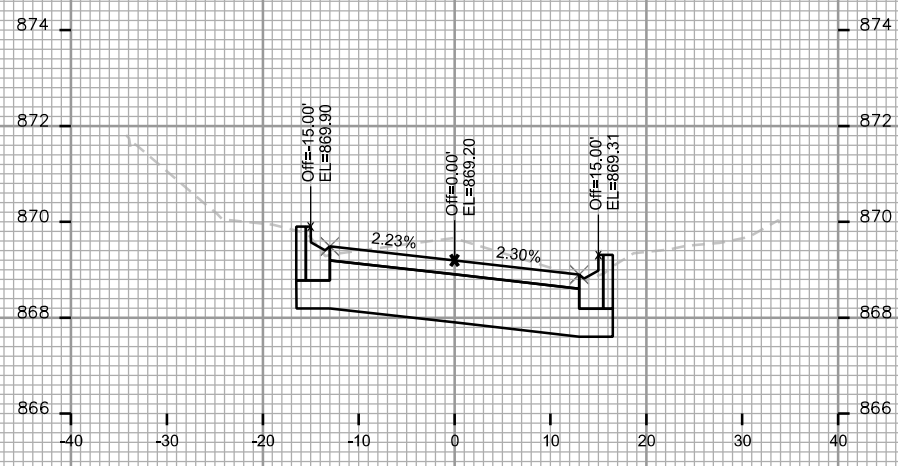


PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



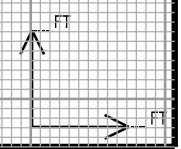
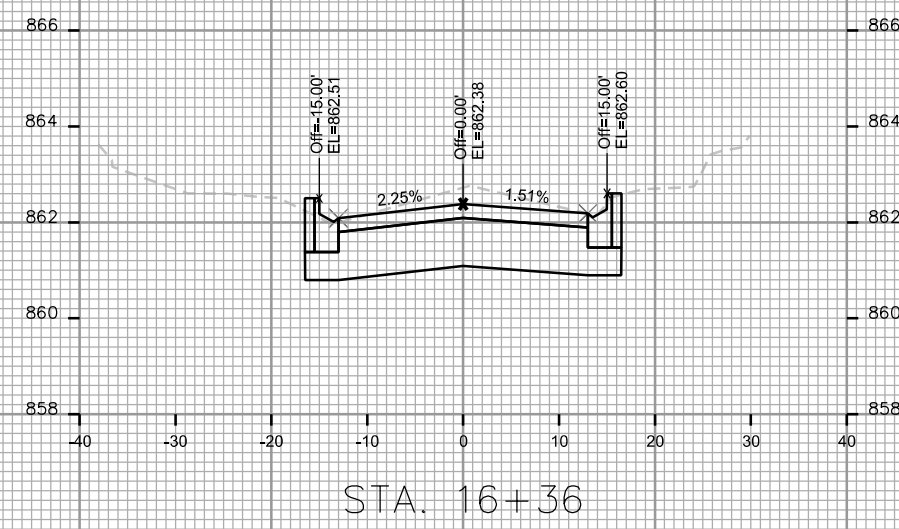
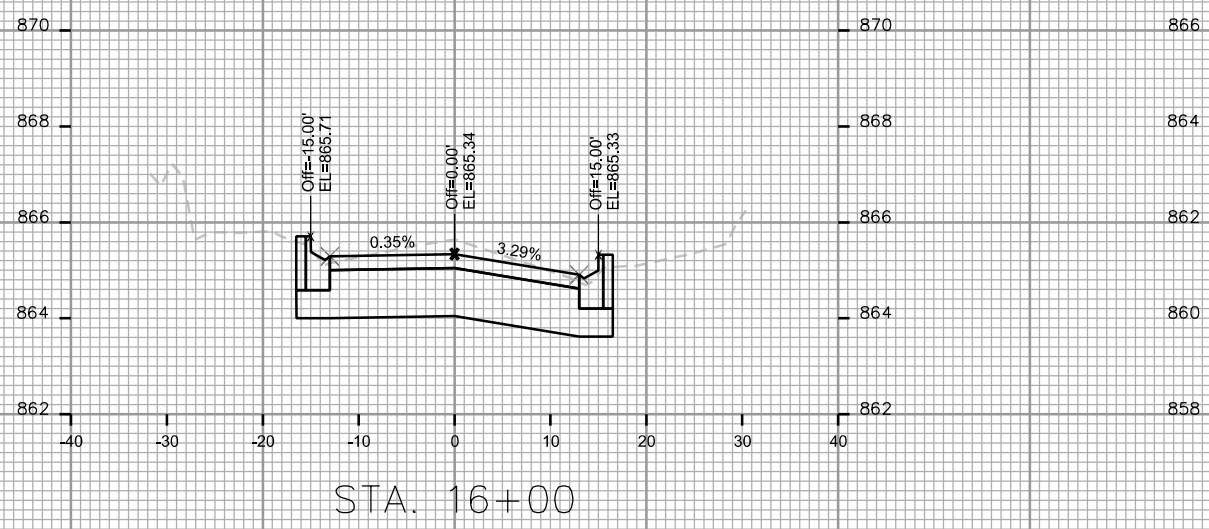
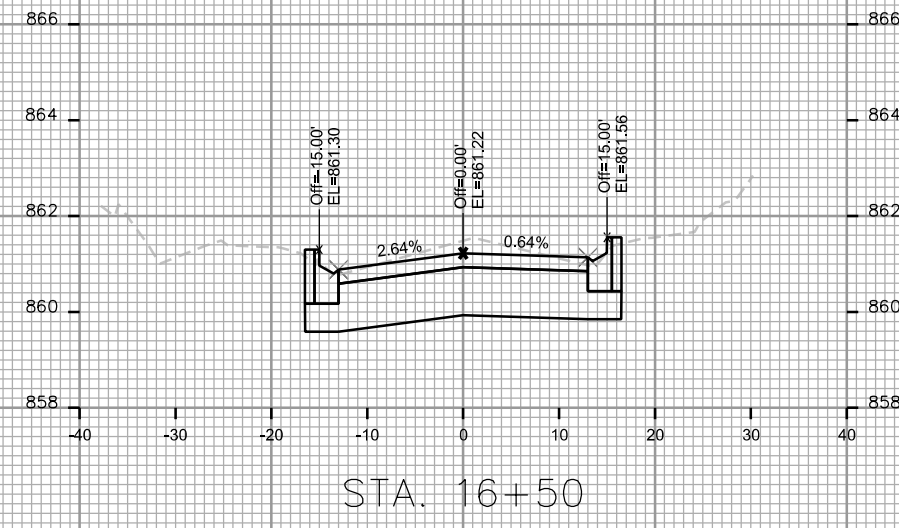
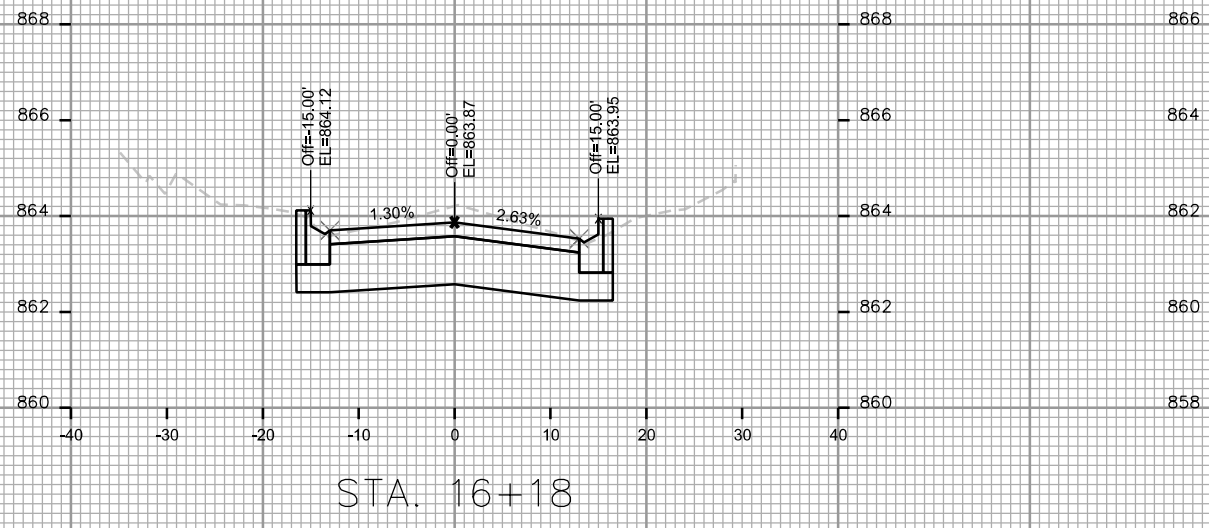
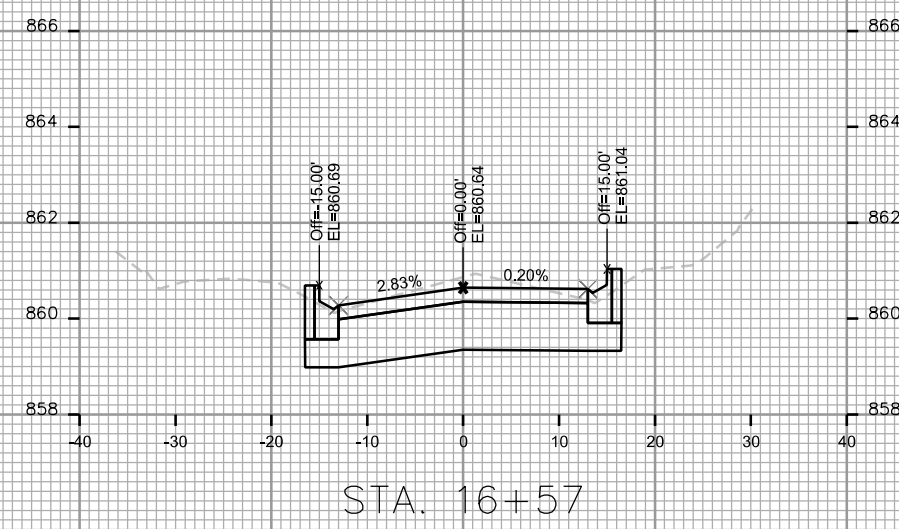
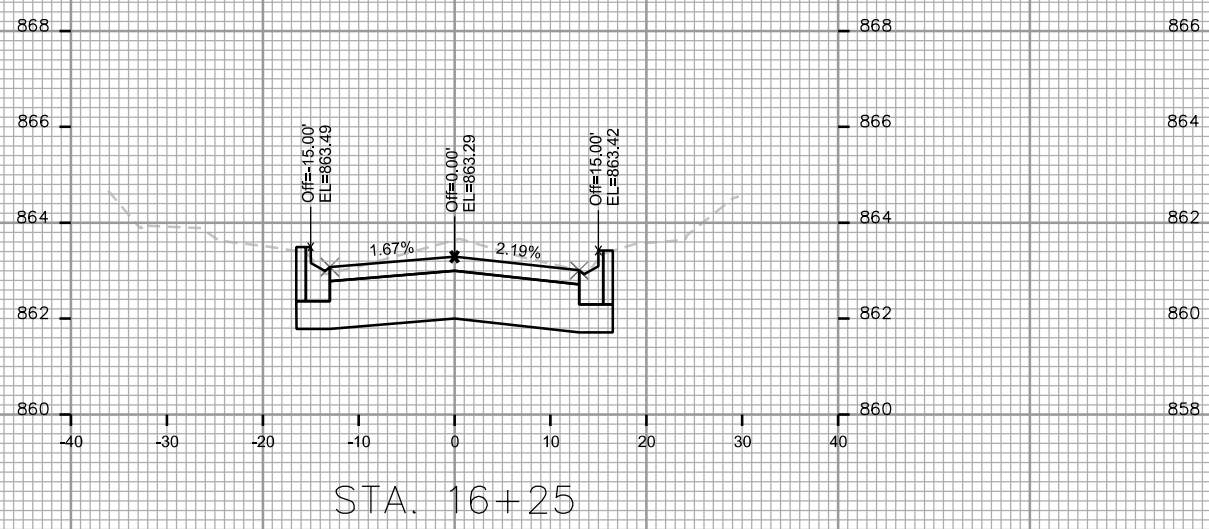


PLOT SCALE: \_\_\_\_\_

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

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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

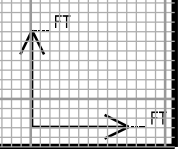
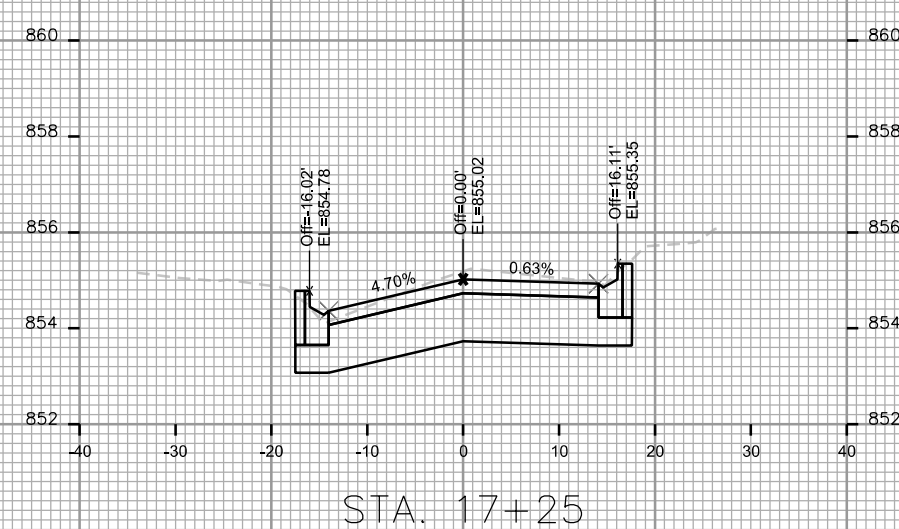
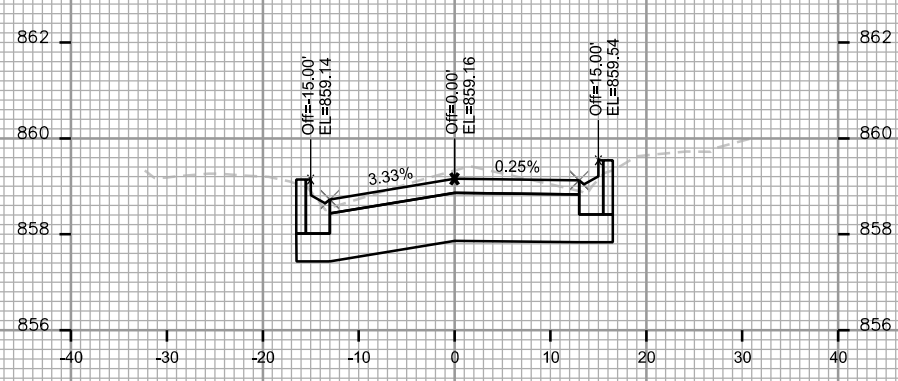
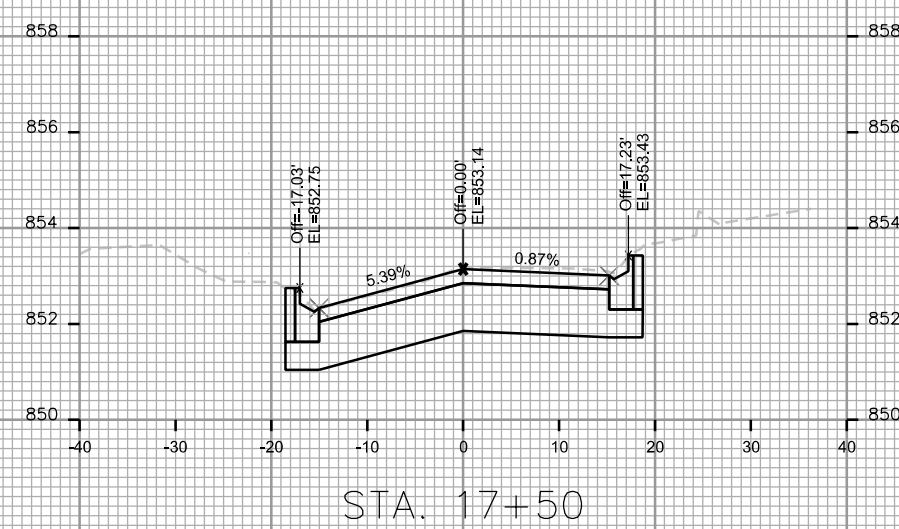
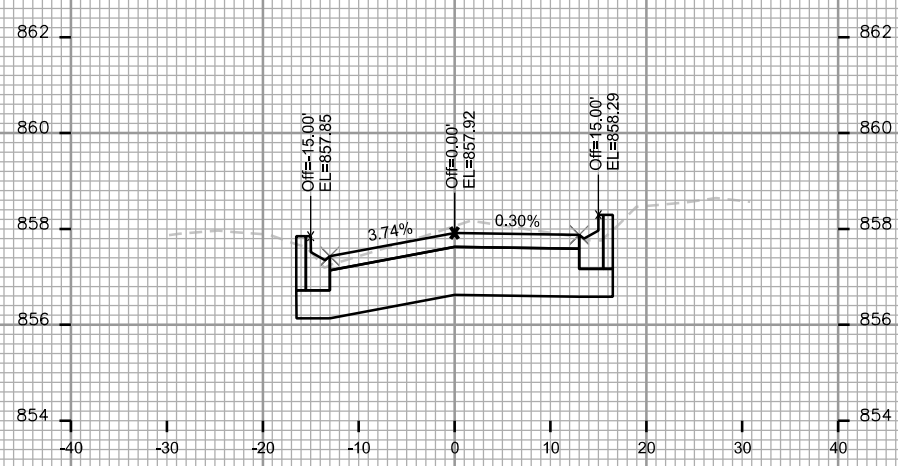
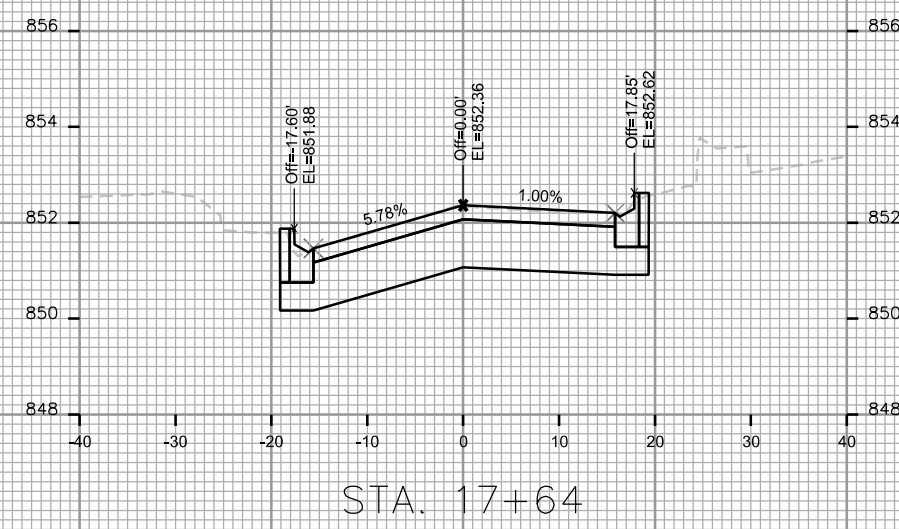
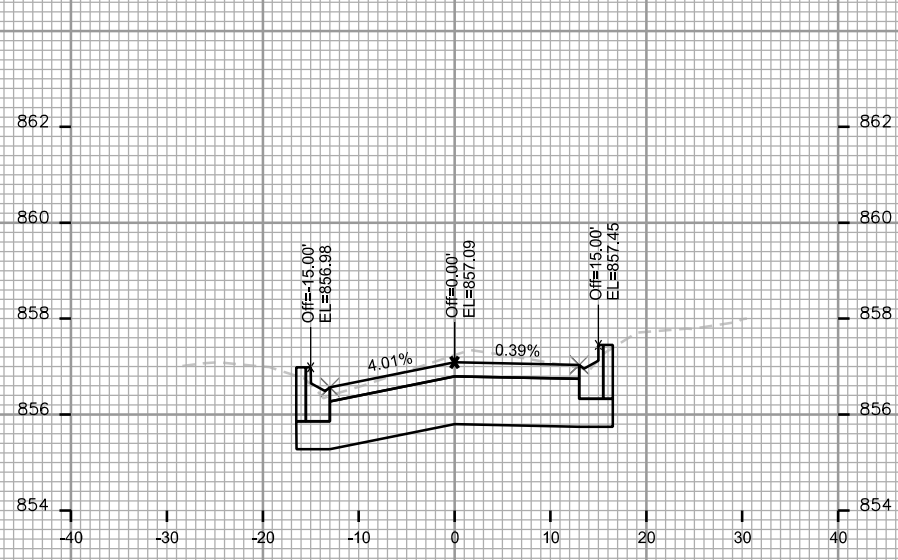
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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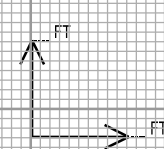
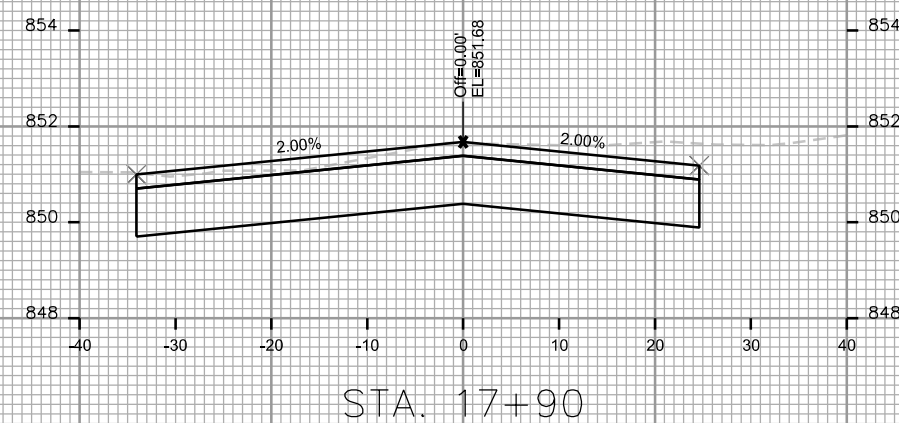
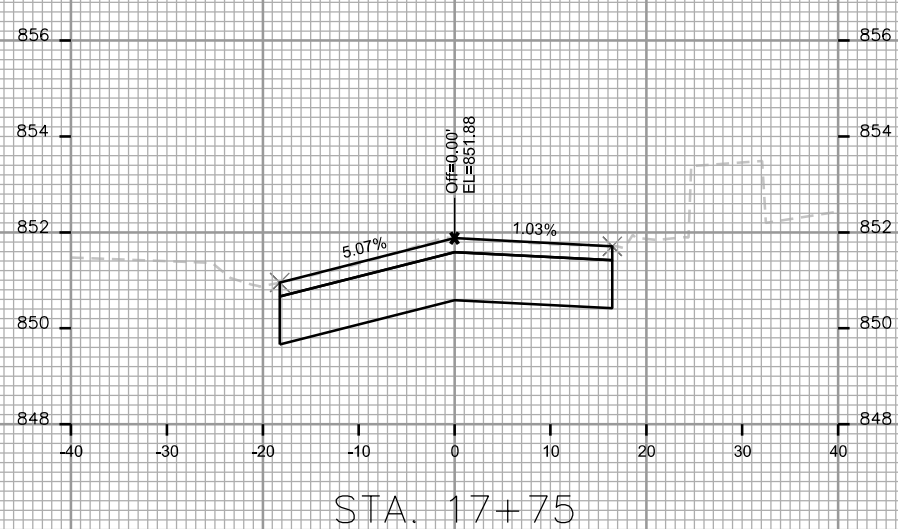
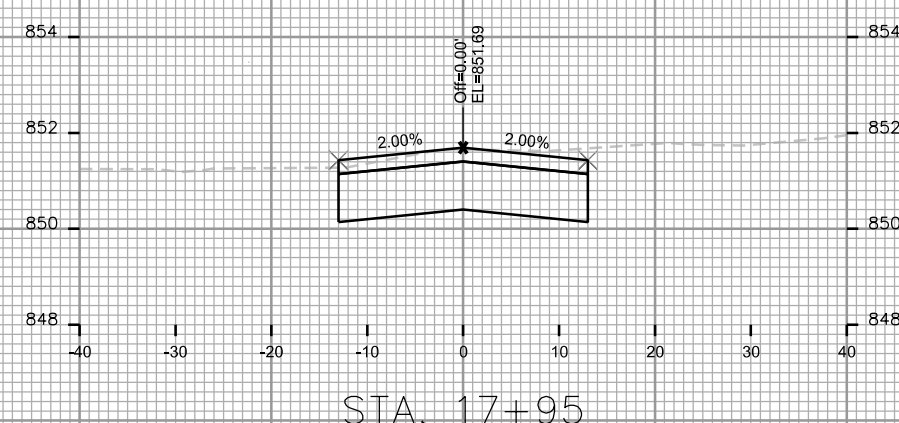
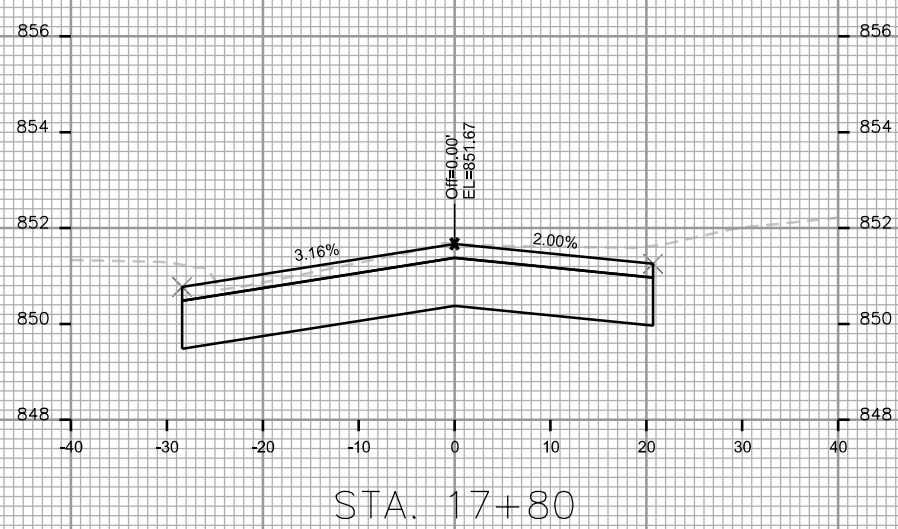
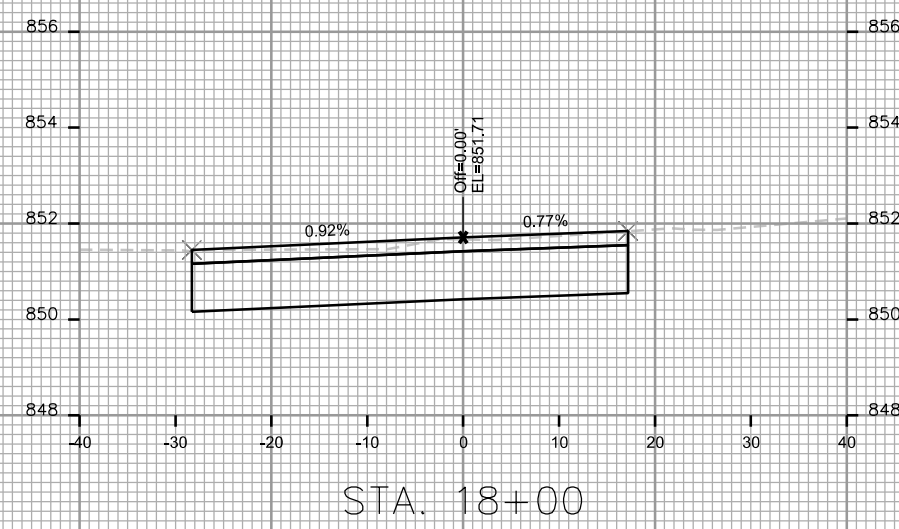
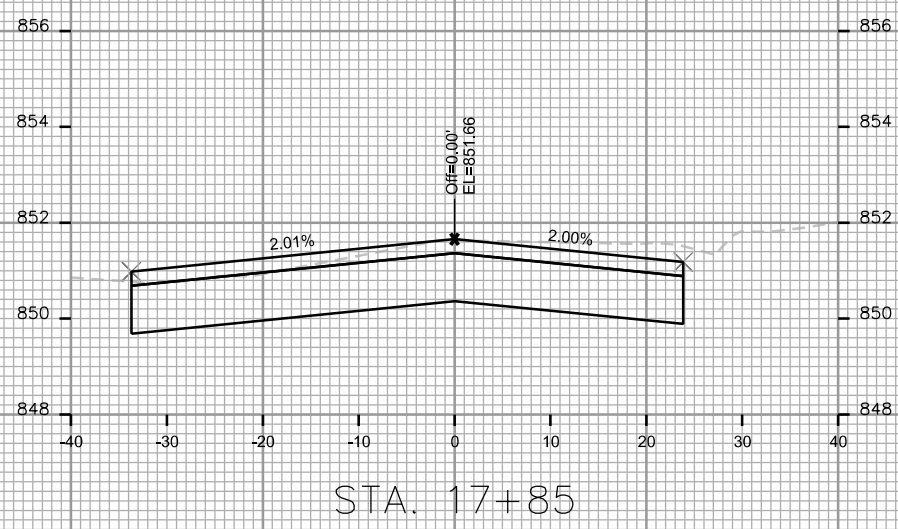
CITY OF MADISON

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

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

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

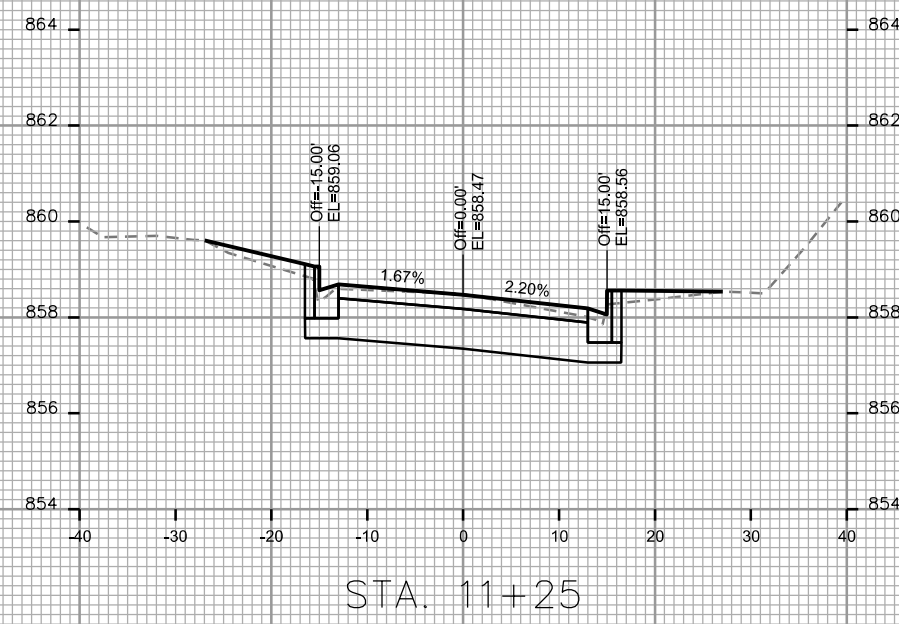
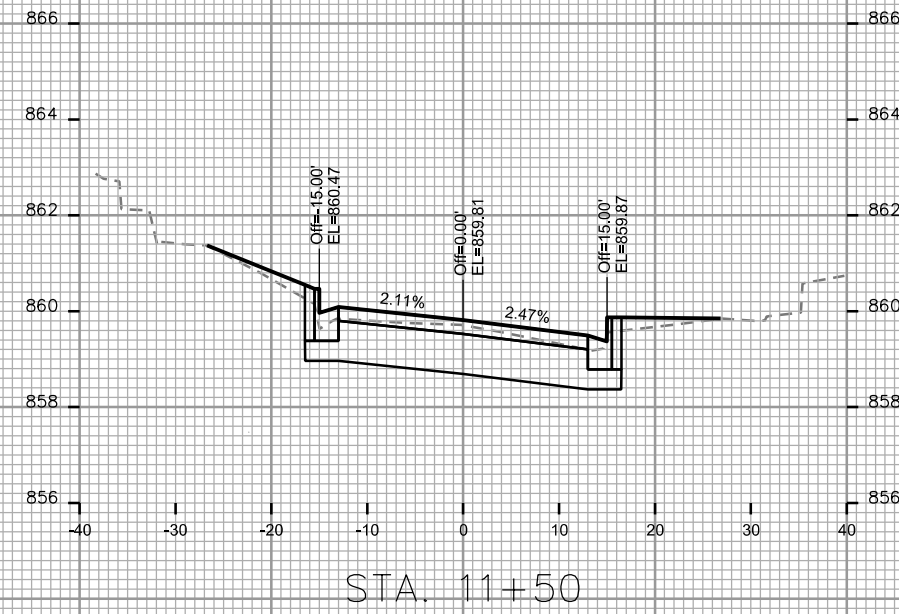
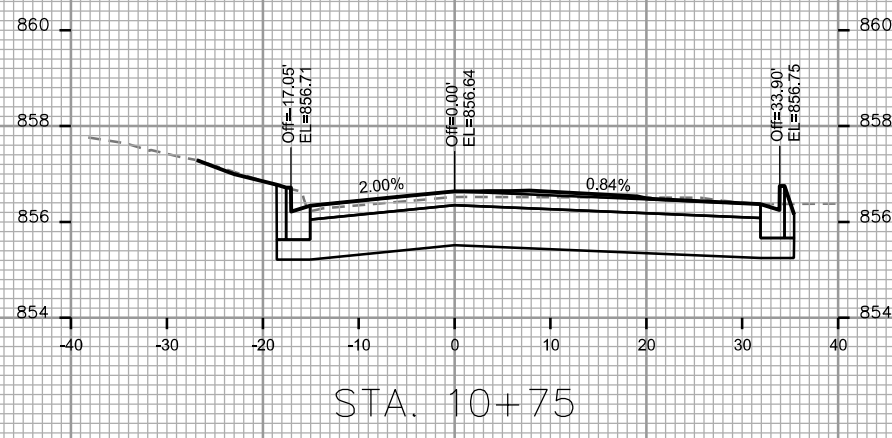
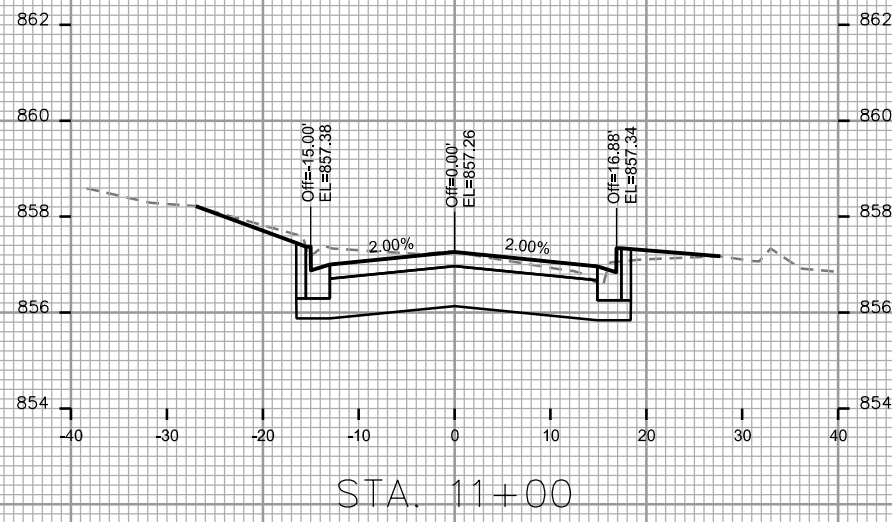
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CROSS SECTIONS

PINE ST

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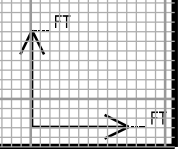
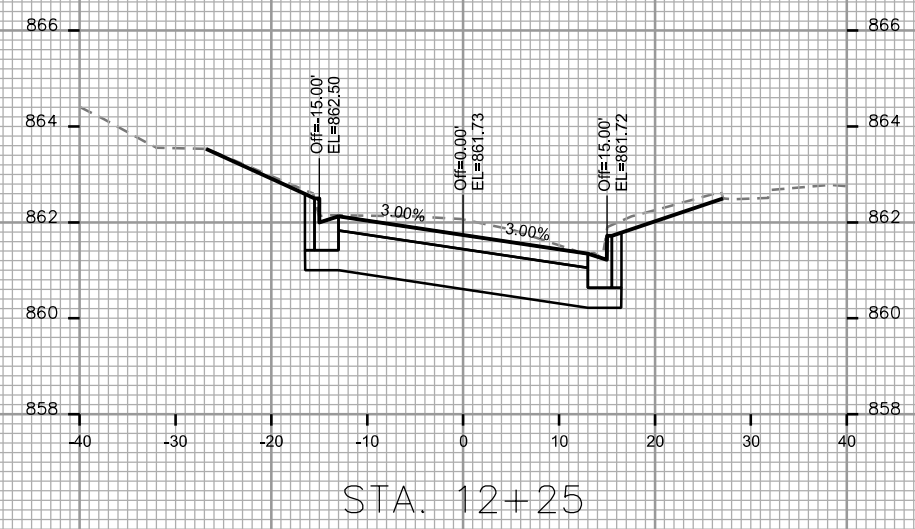
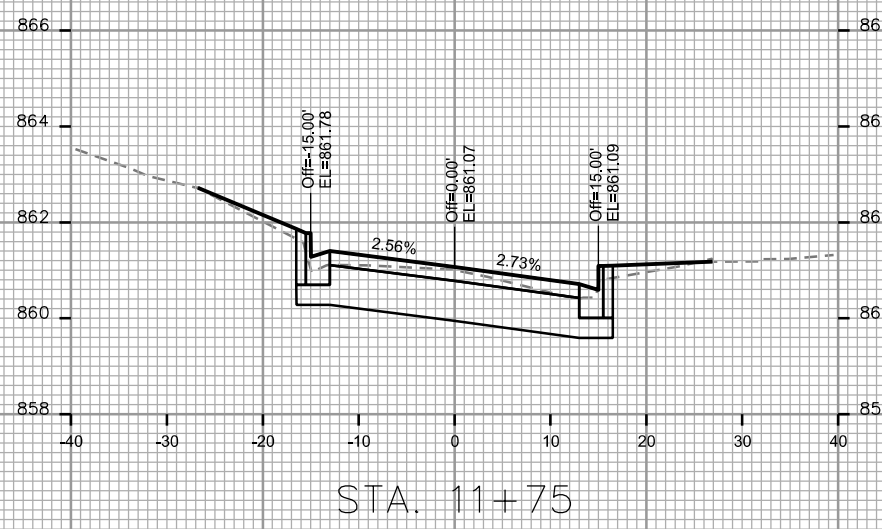
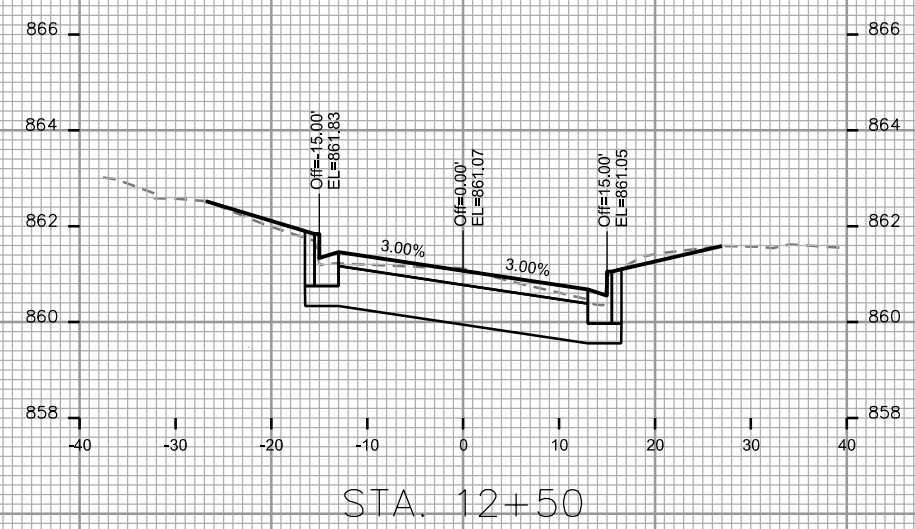
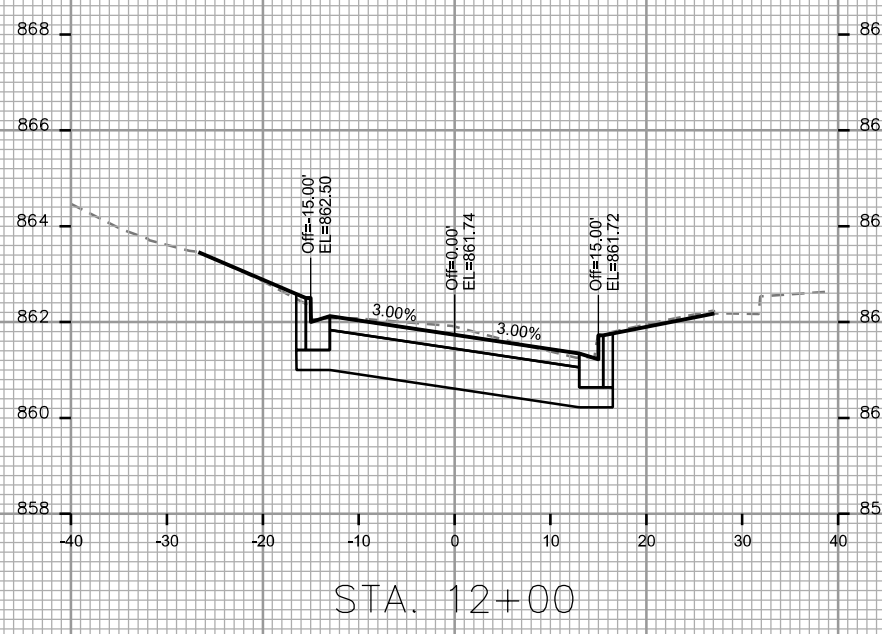
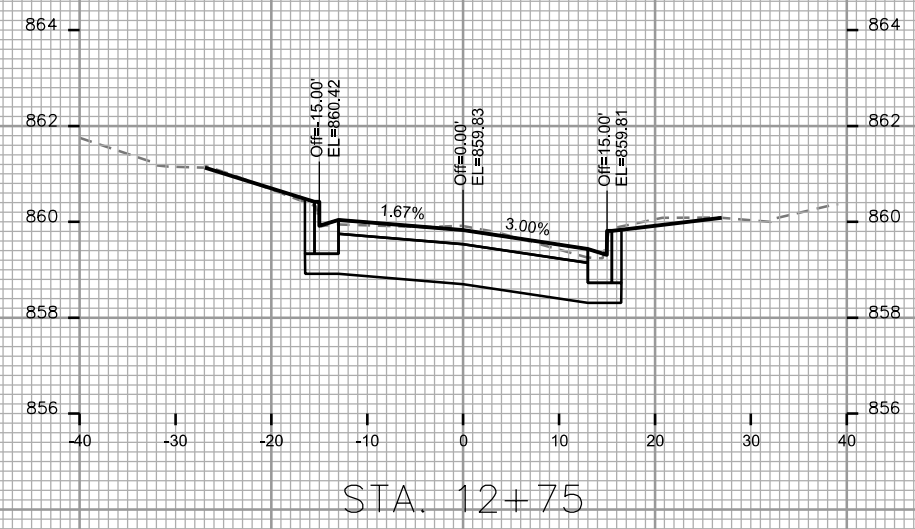
PLOT SCALE: \_\_\_\_\_

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

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ORIGINATOR: CITY OF MADISON - STREETS DIVISION





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

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

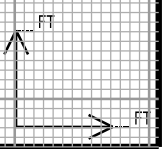
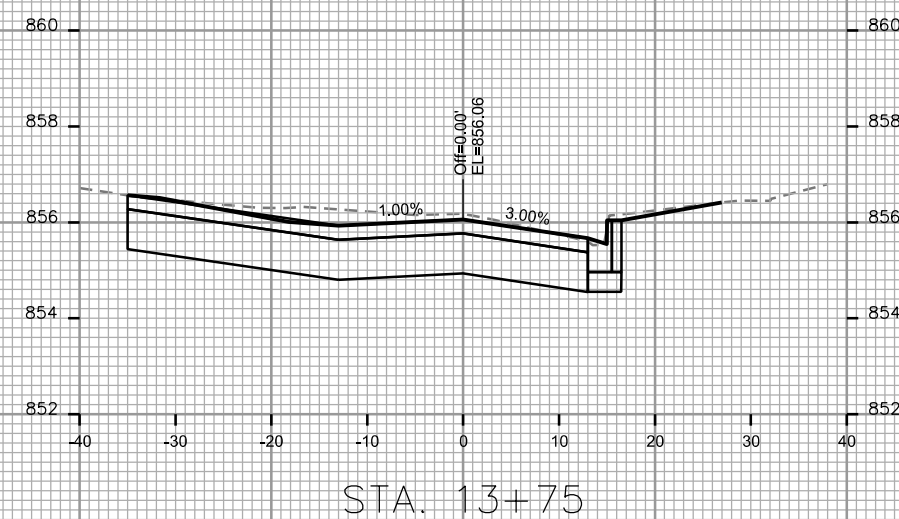
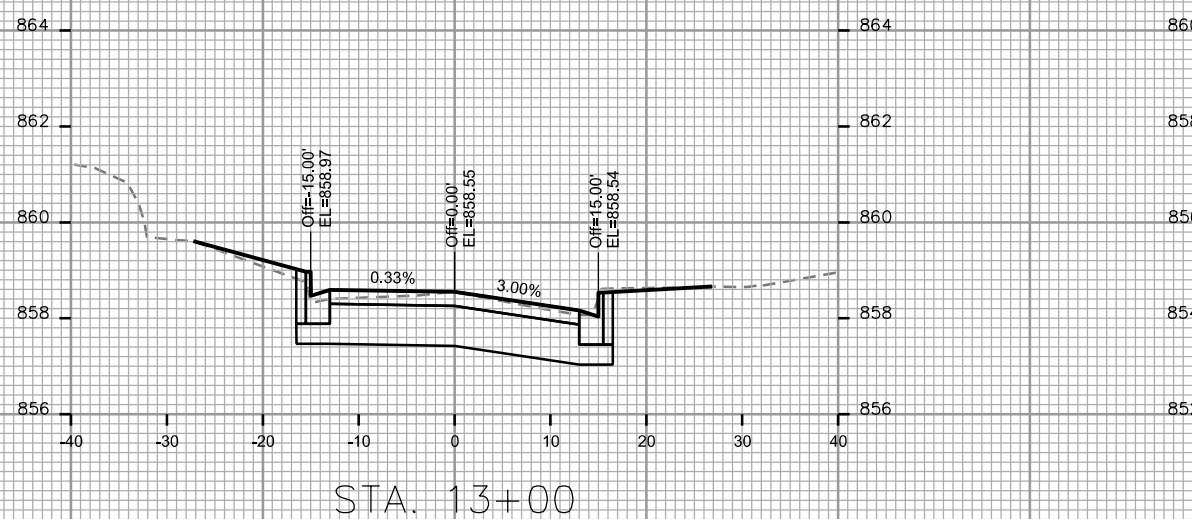
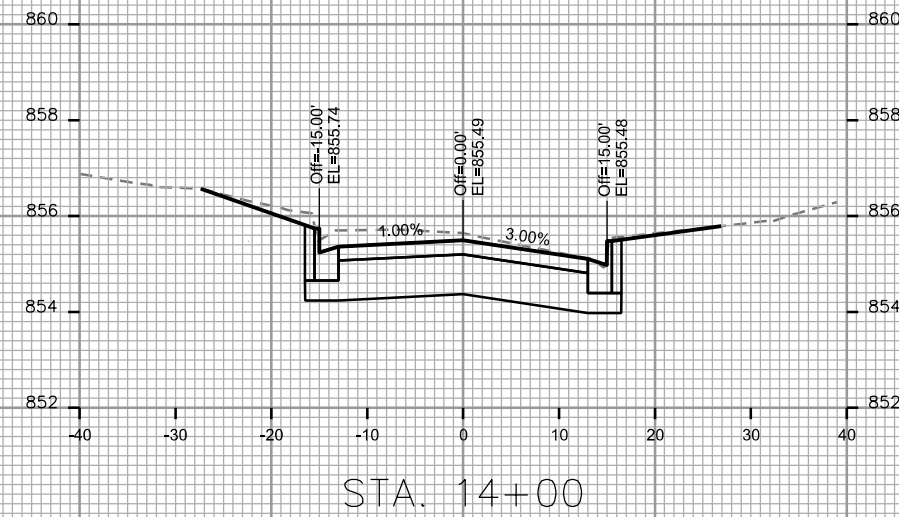
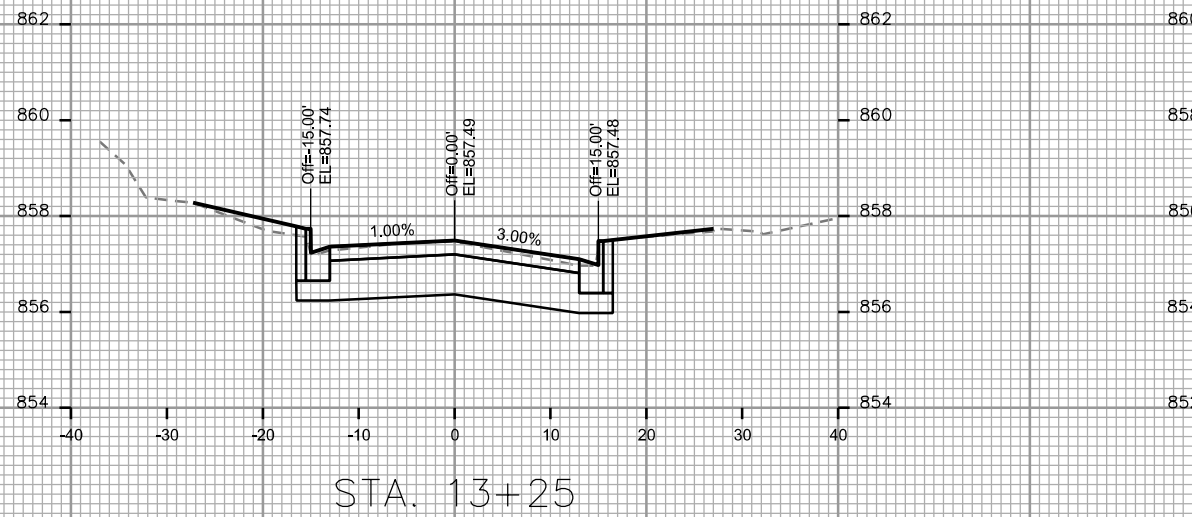
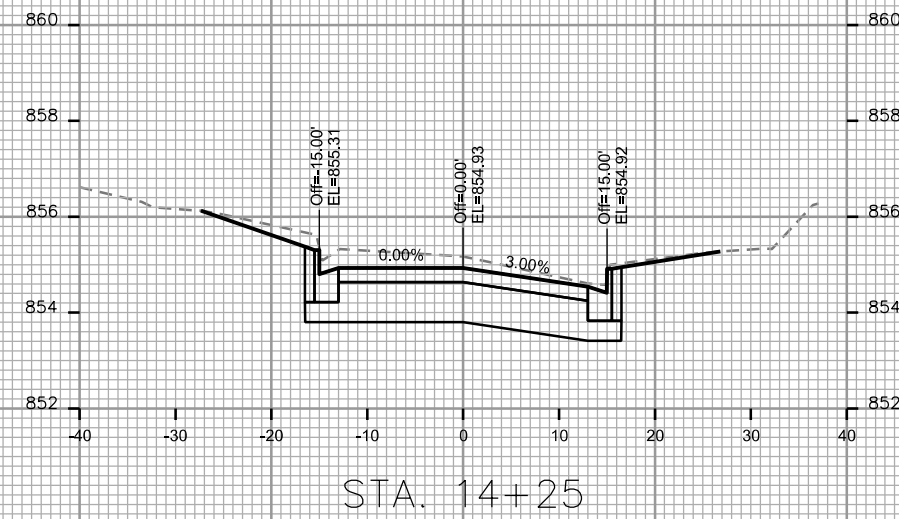
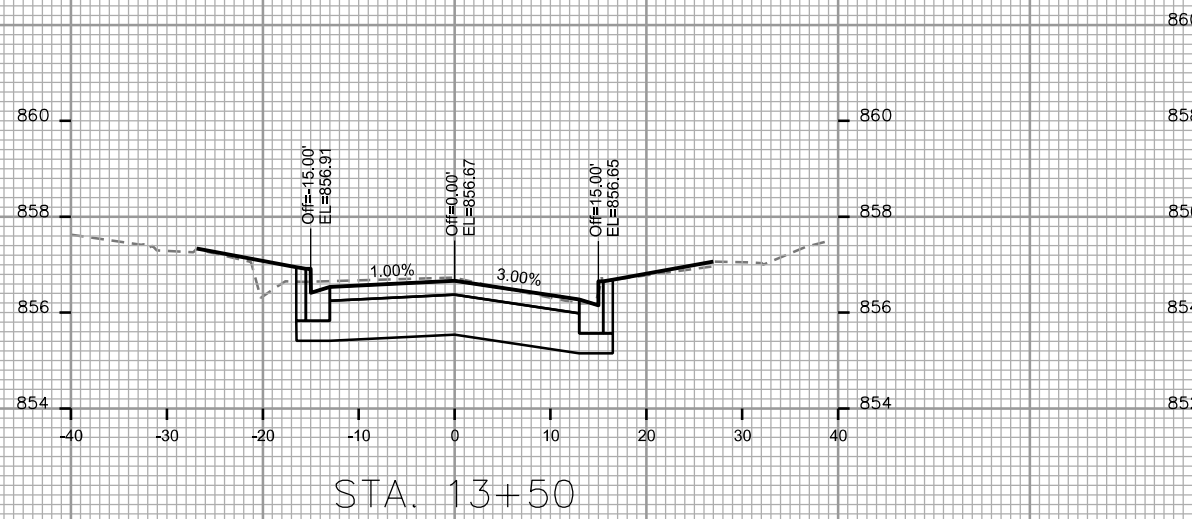
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PINE ST

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