

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

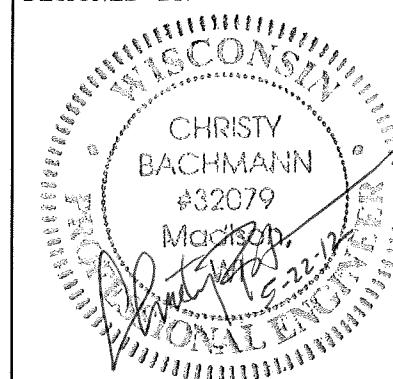
MAY 15, 2012

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

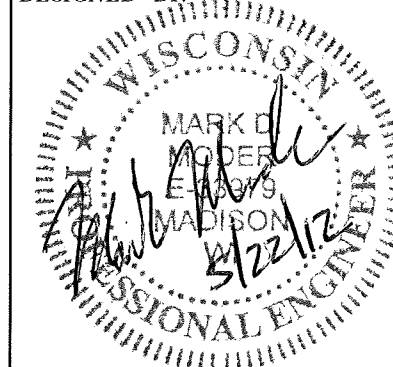
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 5/23/12
City Engineer Date

STREET DESIGNED BY:



SANITARY SEWER DESIGNED BY:



WATER DESIGNED BY:



INDEX OF SHEETS

SHEET NO.	TITLE
1	
A1	ALIGNMENTS
D1	DETAILS
EC1-EC2	EROSION CONTROL PLAN
P1-P2	STREET PLAN & PROFILE
U1-U2	UTILITY PLAN & PROFILE
U3	SANITARY SEWER SCHEDULE
W1-W2	WATER PLAN
W3	WATER MATERIALS LIST
W4	WATER IMPACT PLAN
X1-X3	CROSS SECTIONS

MIDLAND STREET ASSESSMENT DISTRICT - 2012

CITY PROJECT NO. 53W1049

CITY CONTRACT NO. 6792

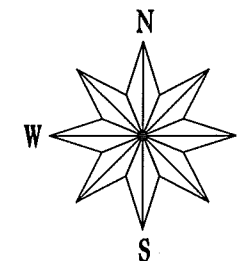
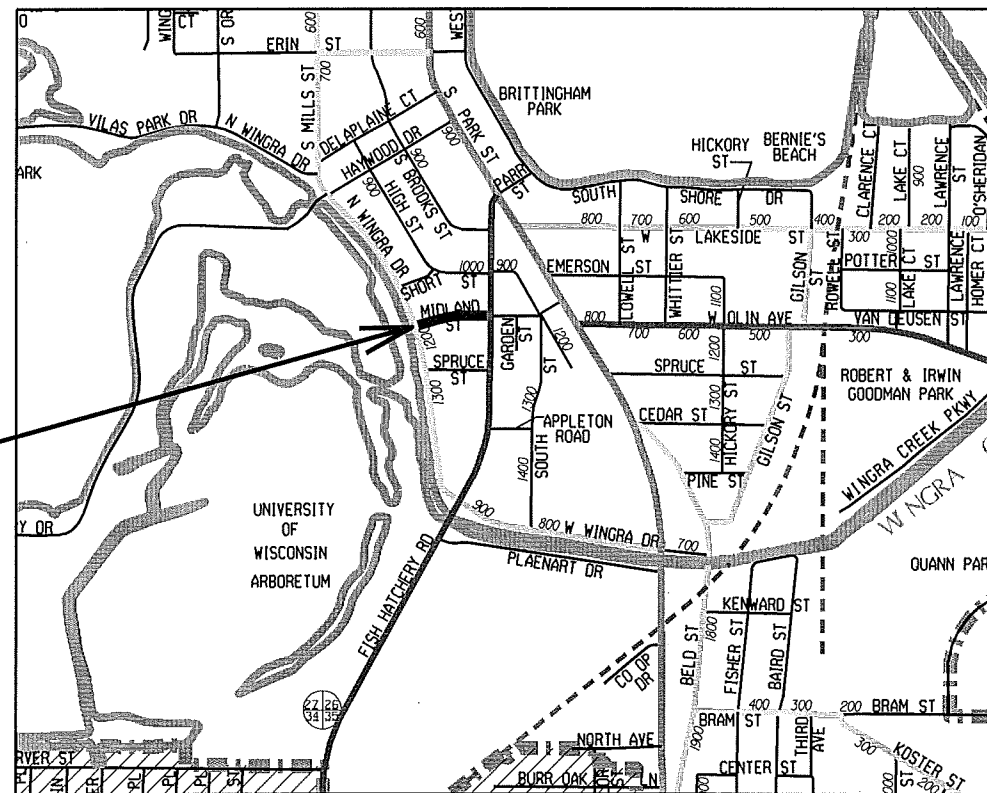
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

CONSTRUCTION PROJECT LOCATION

NOTES:

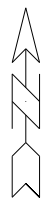
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

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%.

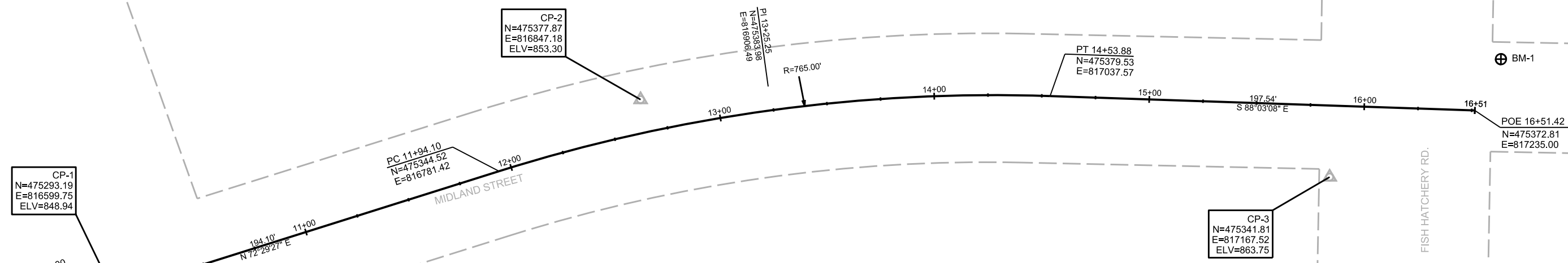


EARTH WORK SUMMARY:
 EXCAVATION CUT (MEASURED PLAN QUANTITY).....740 C.Y.
 ESTIMATED UNDISTRIBUTED UNDERCUT.....250 C.Y.
 TOTAL UNCLASSIFIED EXCAVATION CUT.....990 C.Y.

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



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



CP-1
N=475293.19
E=816599.75
ELV=848.94

CP-2
N=475377.87
E=816847.18
ELV=853.30

PI 13+25.25
N=475383.38
E=816906.49

PT 14+53.88
N=475379.53
E=817037.57

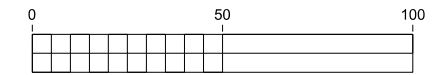
CP-3
N=475341.81
E=817167.52
ELV=863.75

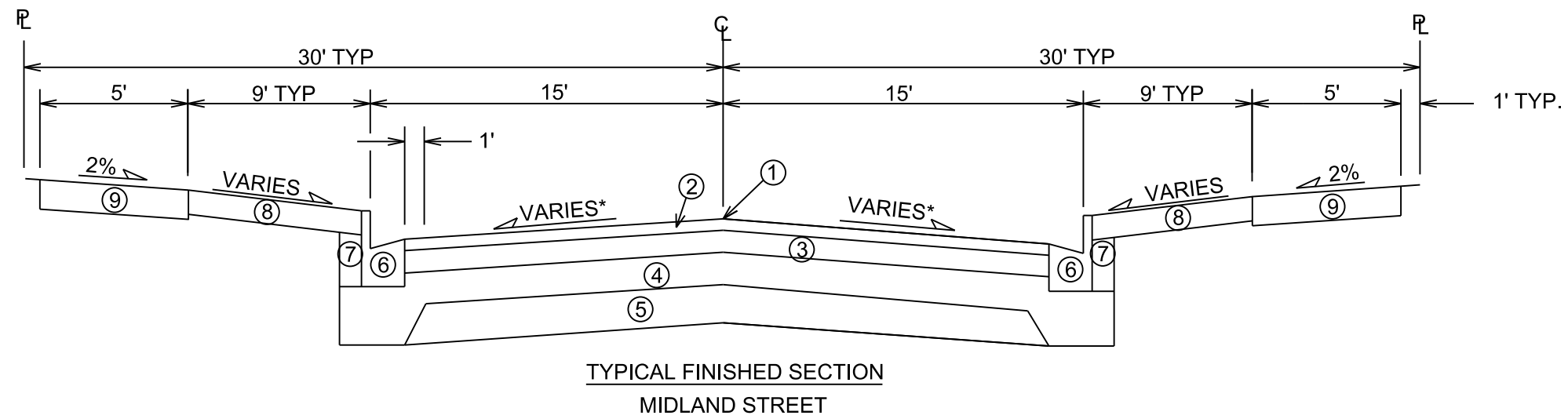
⊕ BM-1

POE 16+51.42
N=475372.81
E=817235.00

POB 10+00.00
N=475286.13
E=816596.31

⊕ BENCHMARKS ⊕			
NO.	STA/LOC	DESCRIPTION	ELEV
1	16+MS' +62.75/R+ 24.28'	TOP OF HYDRANT	870.65





- ① POINT REFERRED TO ON PROFILE
- ② 1¾" BITUMINOUS UPPER LAYER, TYPE E-0.3
- ③ 1¾" BITUMINOUS LOWER LAYER, TYPE E-0.3
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' OR 'X' CONCRETE CURB & GUTTER
- ⑦ FILL, INCIDENTAL
- ⑧ 4" TOPSOIL, SEED & MAT
- ⑨ 5" CONCRETE SIDEWALK, REPLACE AS NOTED IN PLAN

* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.

TYPICAL SECTIONS NOT TO SCALE

PLOT SCALE: _____

PLOT NAME: _____

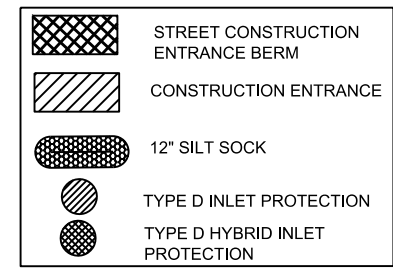
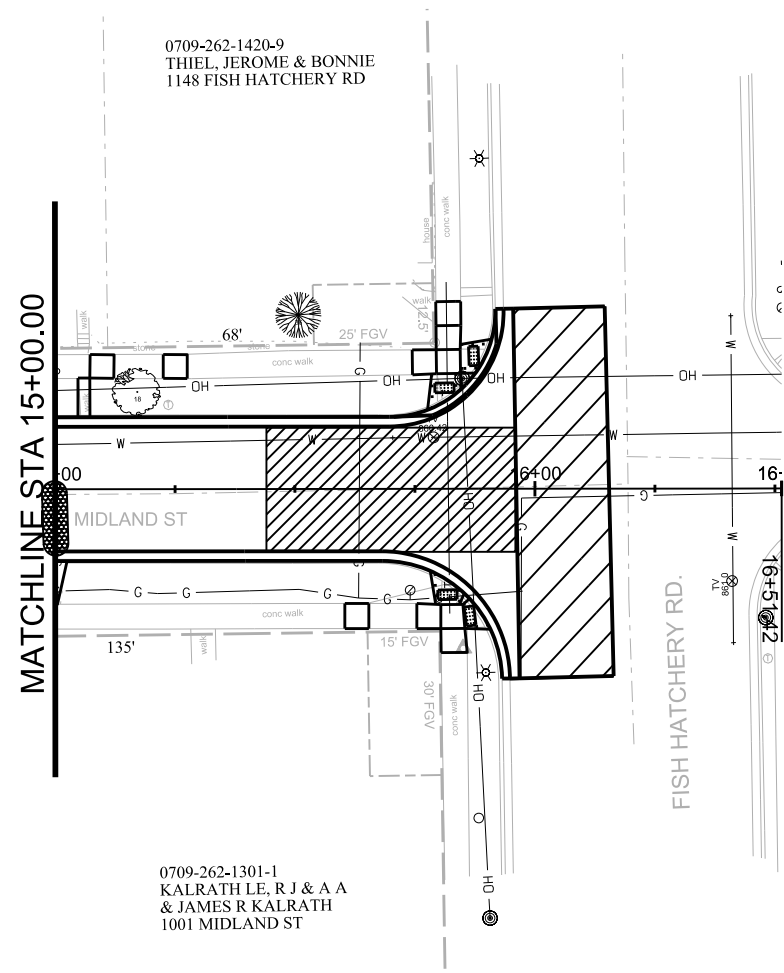
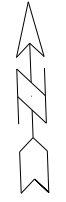
REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

EROSION CONTROL
PLAN AND PROFILE

MIDLAND ST.

CITY OF MADISON



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

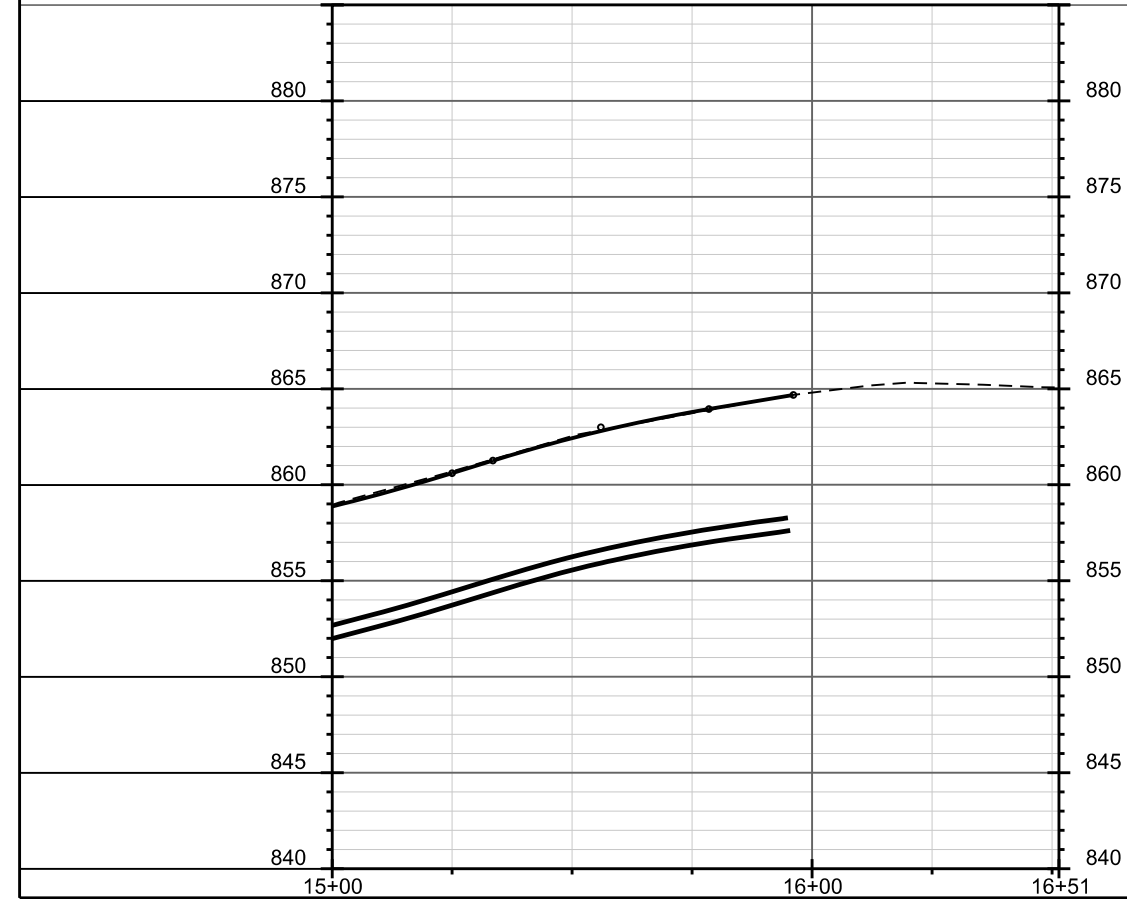
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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.

POLYMER SHALL BE APPLIED IN ADVANCE OF A PREDICTED 40% CHANCE OF RAIN.

PROVISION OF AN EROSION CONTROL IMPLEMENTATION PLAN BY THE CONTRACTOR AT THE PRE-CON IS REQUIRED.



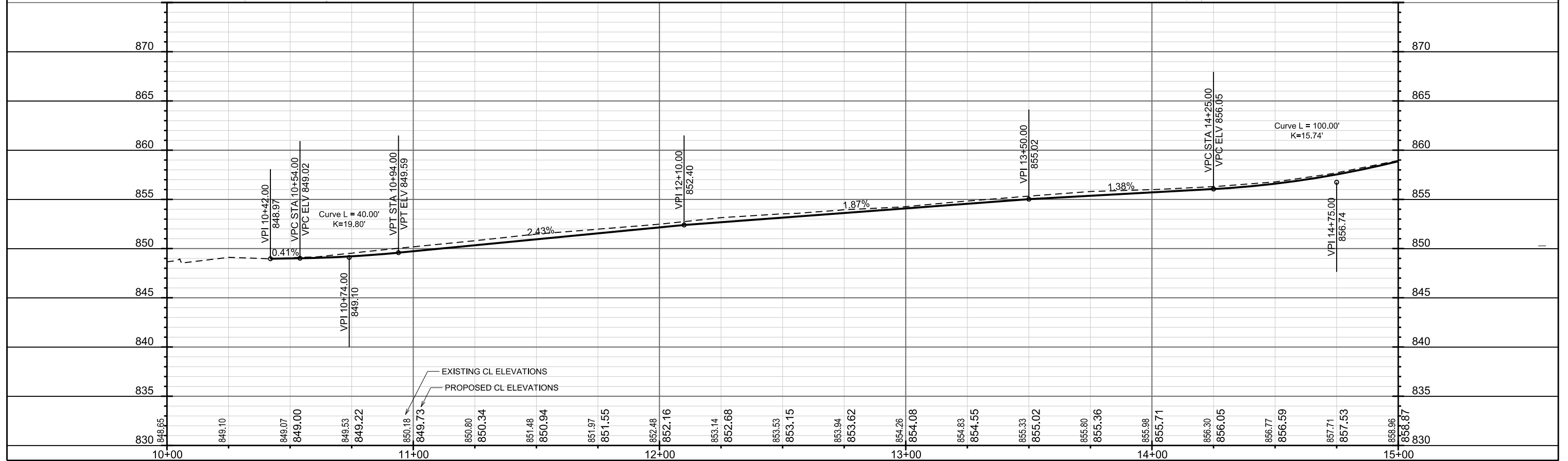
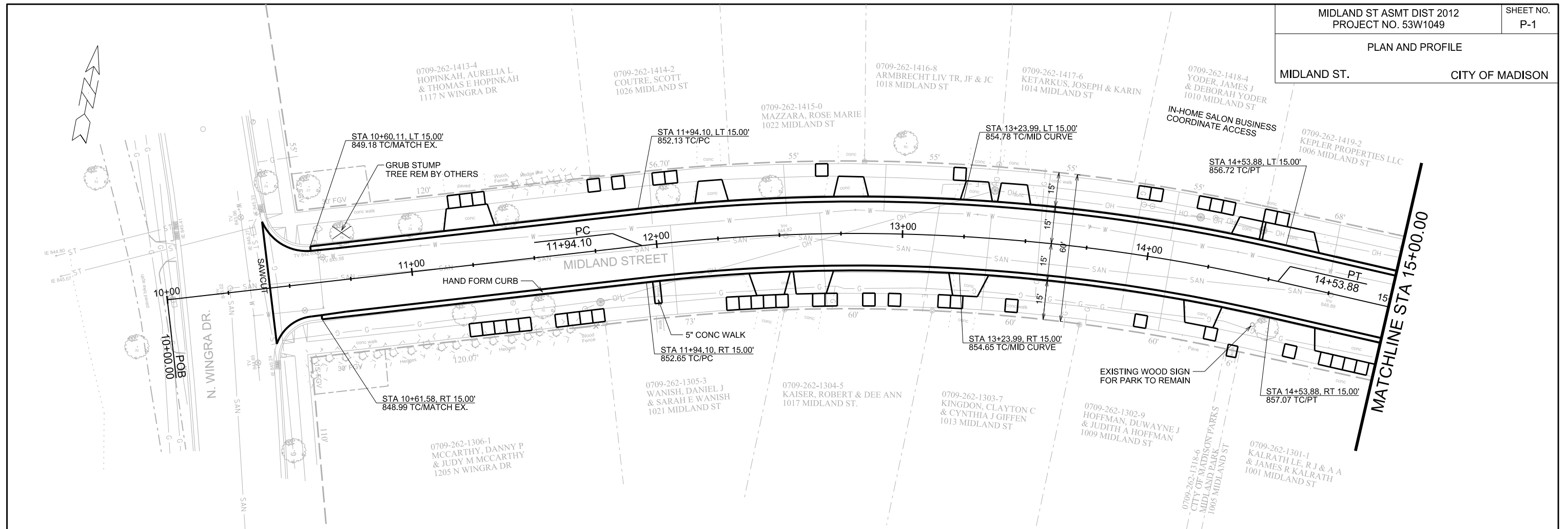
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
MIDLAND ST. CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

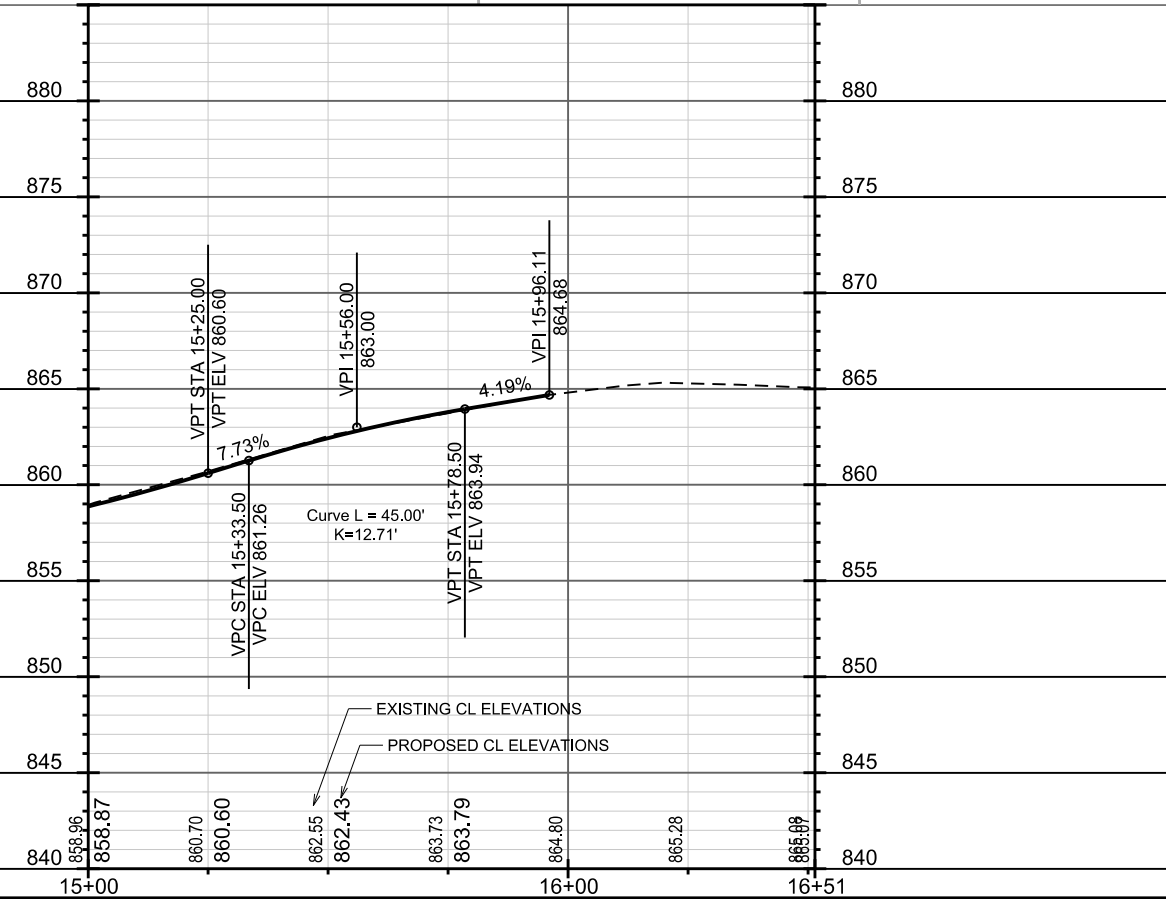
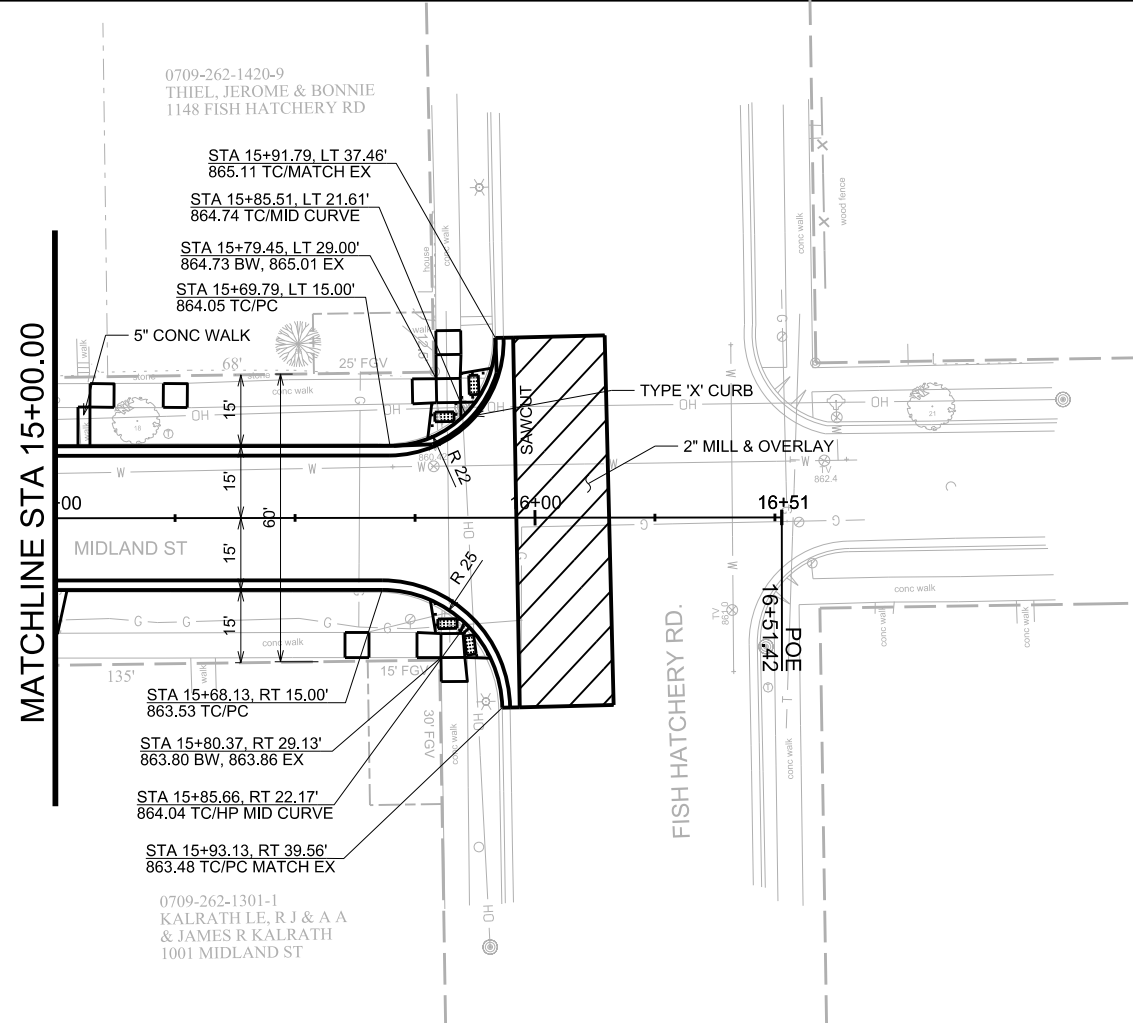
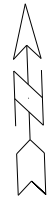
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

MIDLAND ST.

CITY OF MADISON



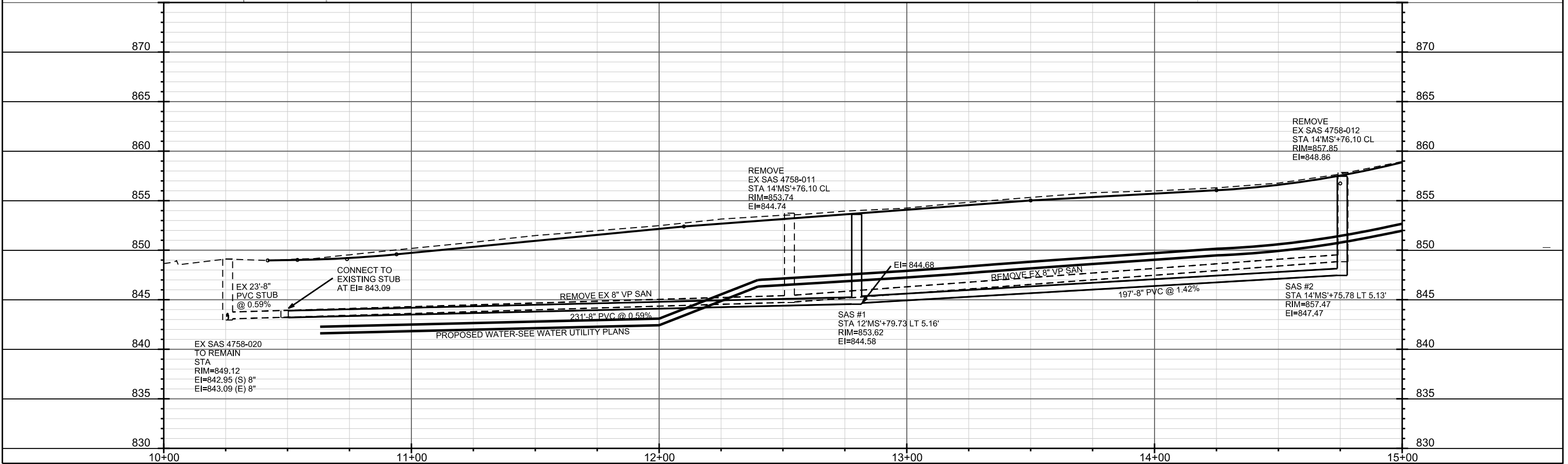
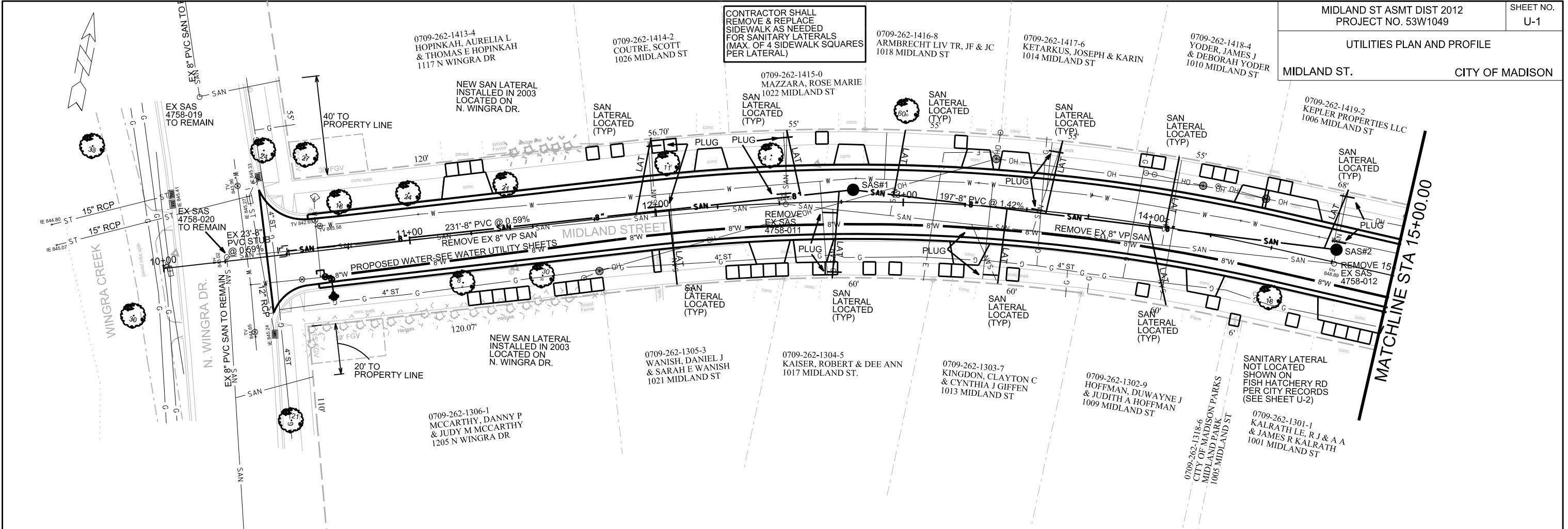
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR SANITARY LATERALS (MAX. OF 4 SIDEWALK SQUARES PER LATERAL)

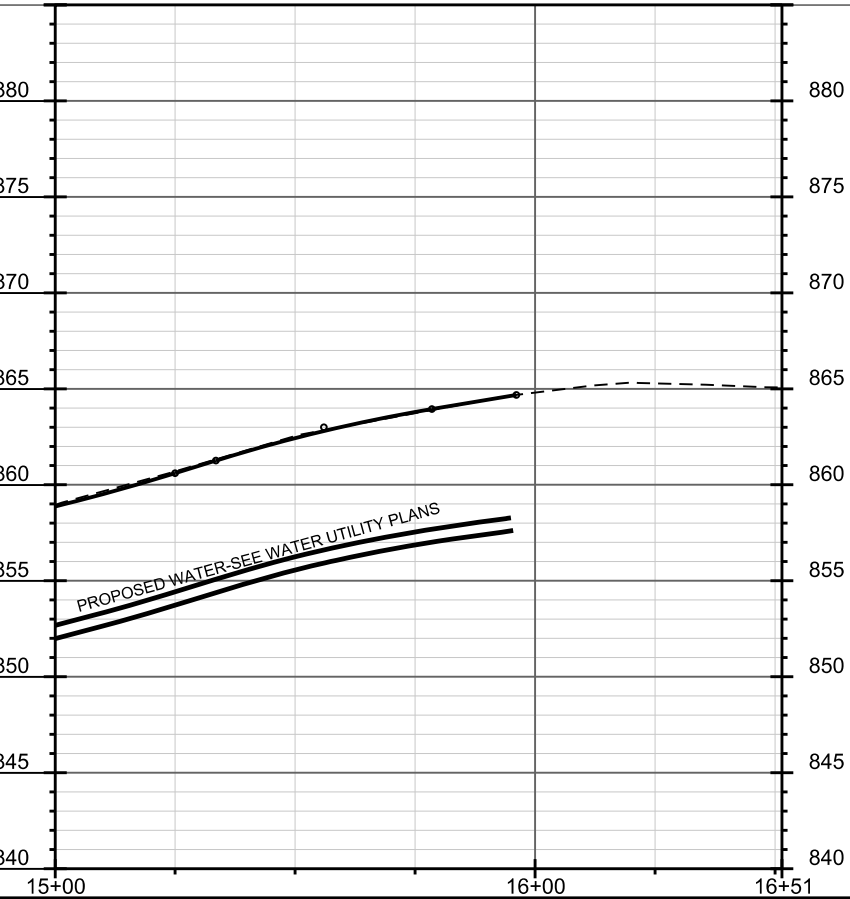
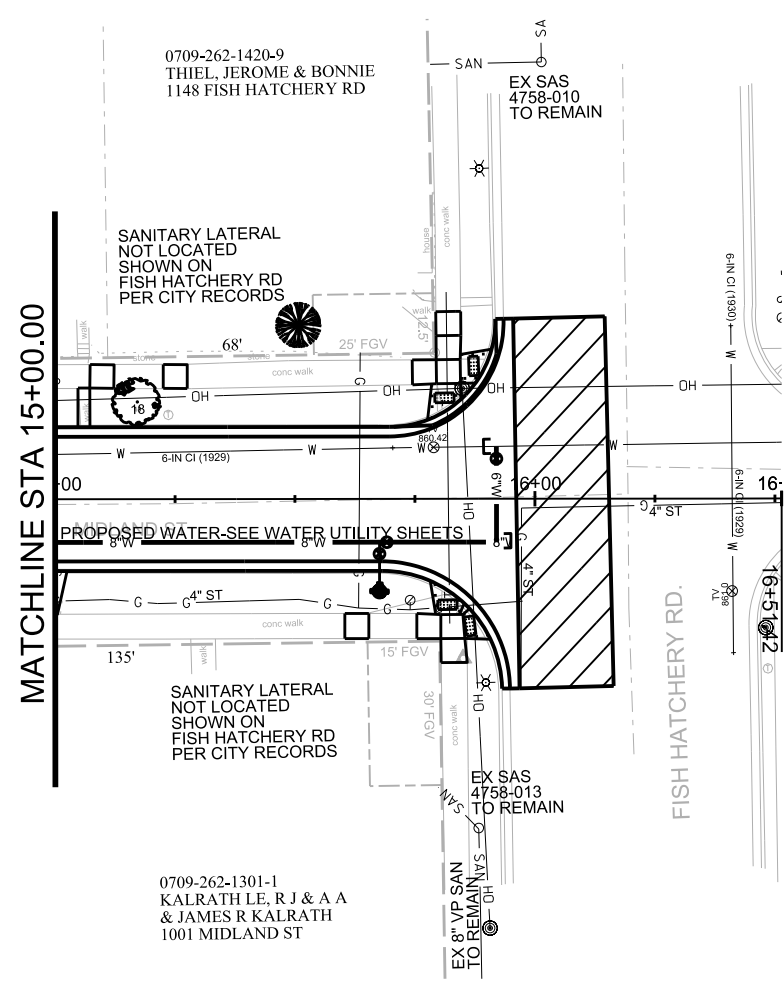
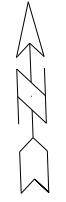


PLOT SCALE: _____ REV. DATE: _____ ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES PLAN AND PROFILE

MIDLAND ST.

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SCHEDULE

ALIGNMENT CODES:

'MS' = MIDLAND ST

MIDLAND ST ASMT DIST 2012

SHEET NO.

PROJECT NO. 53W1049

U-3

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	12'MS'+79.73	LT-5.16	853.62	844.58	9.04	-
SAS#2	14'MS'+75.78	LT-5.13	857.47	847.47	10.00	-

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES:
EX STUB	SAS#1	843.22	844.58	231	0.59%	8"	SDR-35	-
SAS#1	SAS#2	844.68	847.47	197	1.42%	8"	SDR-35	-

REMOVE SANITARY STRUCTURES

STRUC.	STATION	LOCATION (OFFSET)	NOTES
SAS 4758-011	12'MS'+52.58	CL	-
SAS 4758-012	14'MS'+76.10	CL	-

SANITARY SEWER PIPE REMOVAL

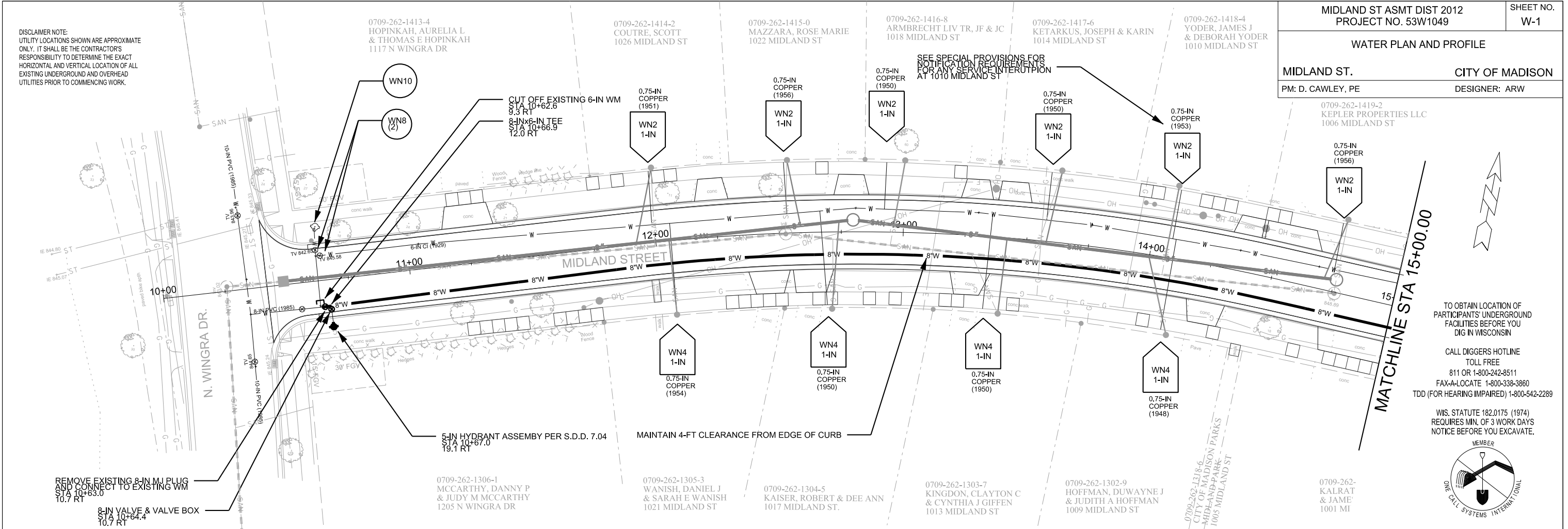
REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
SAS 4758-020	SAS 4758-011	227	N	8"	VP	-
SAS 4758-011	SAS 4758-012	223	Y	8"	VP	-

PLOT SCALE: ---

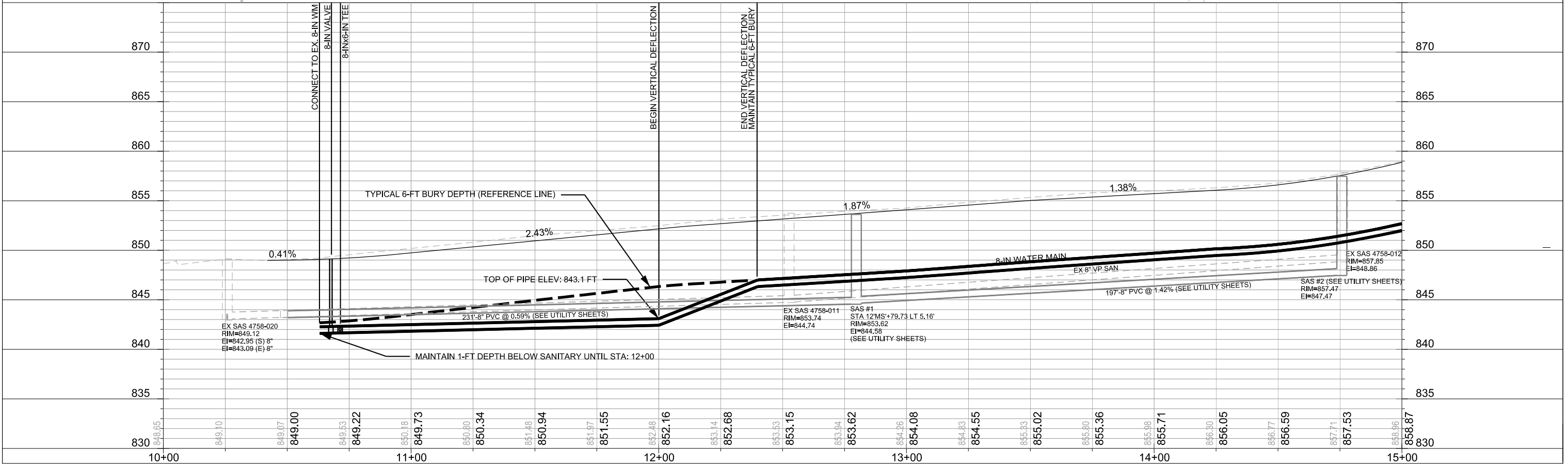
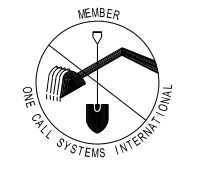
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REV. DATE: ---

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.



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.

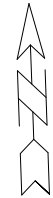


PLOT SCALE: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

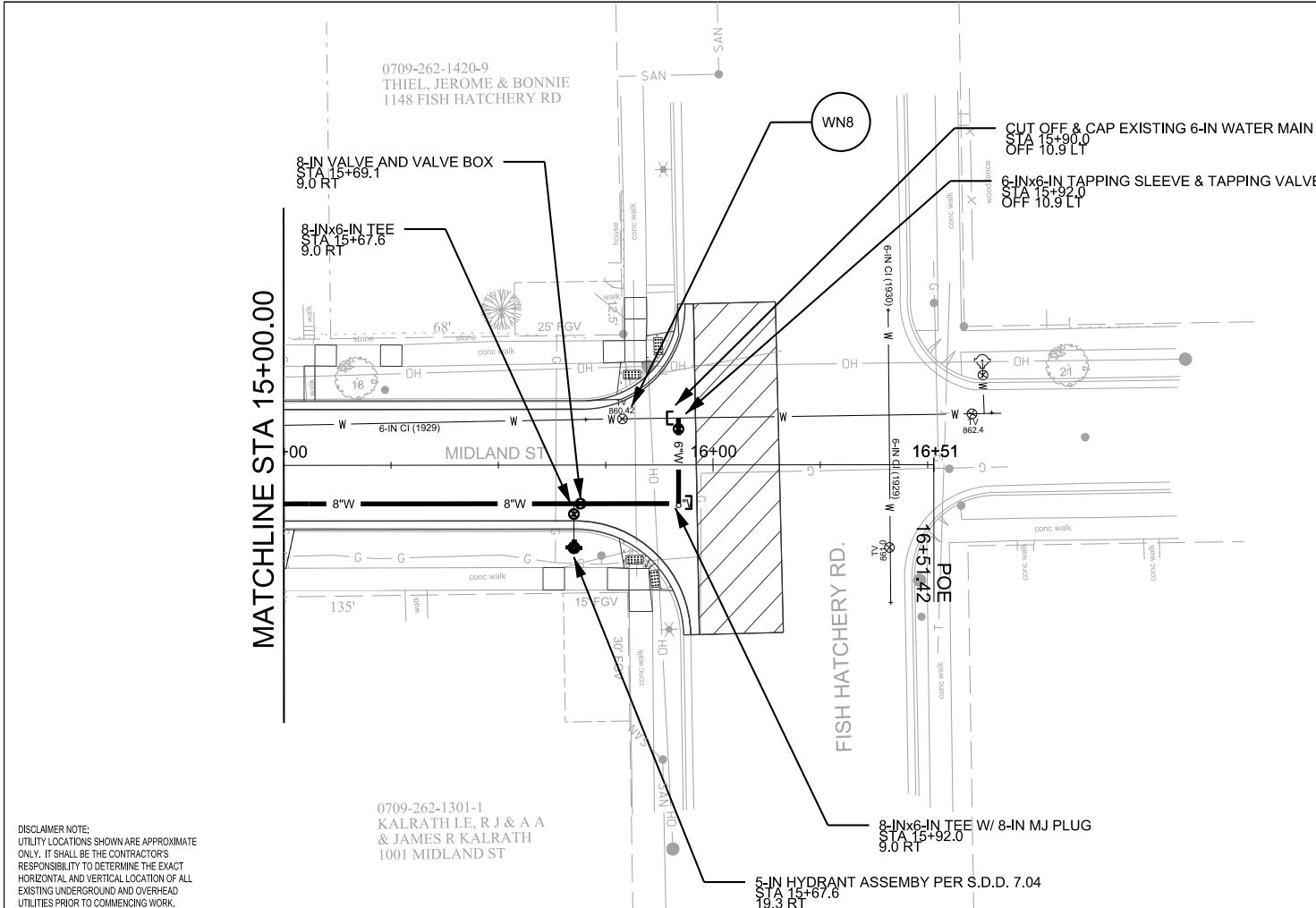
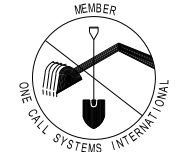
MIDLAND ST.
PM: D. CAWLEY, PE

CITY OF MADISON
DESIGNER: ARW

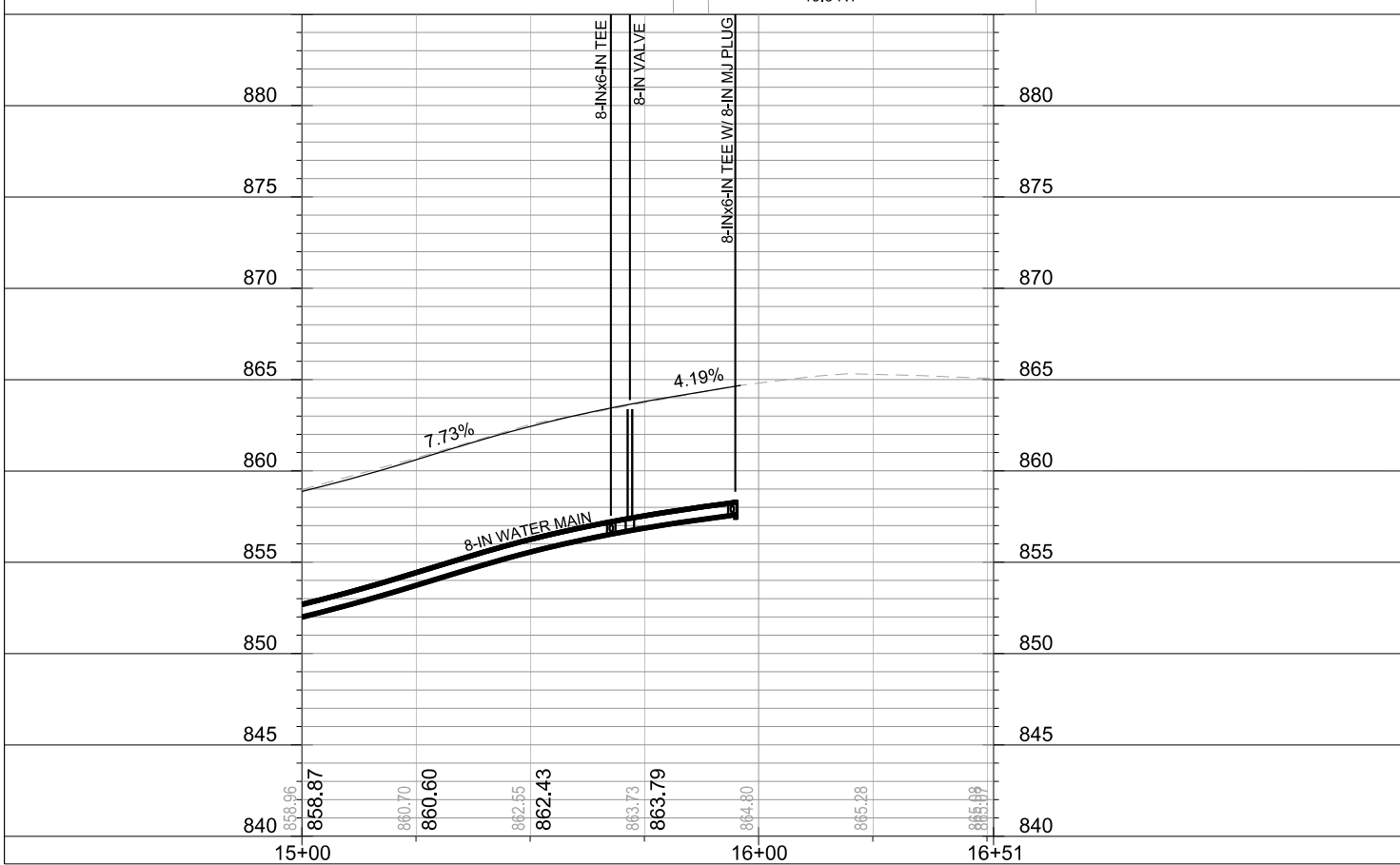


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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



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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER ESTIMATE OF MATERIALS

MIDLAND ST CITY OF MADISON
PM: D. CAWLEY, PE DESIGNER: ARW

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 DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.
5. 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

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- 40' - 6" PIPE
- 530' - 8" PIPE
- 630' - POLYWRAP
- 2 - 5" HYDRANTS
- 2 - 6" VALVES AND BOXES
- 2 - 8" VALVES AND BOXES
- 3 - 8"X6" TEES
- 2 - 6" CAPS
- 1 - 8" MJ PLUG
- 1" COPPER TUBING (AS REQ'D)

MATERIALS SUPPLIED BY CITY:

- 1 - 6"X6" TAPPING SLEEVES W/ 6" VALVES & BOXES

REMOVED/SALVAGED MATERIALS:

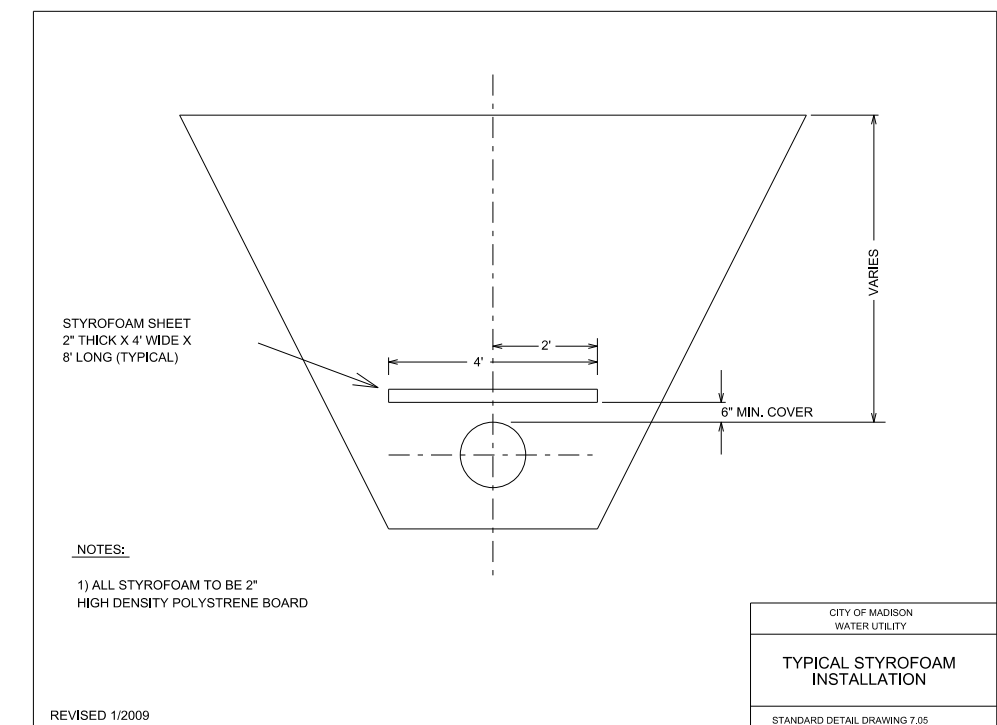
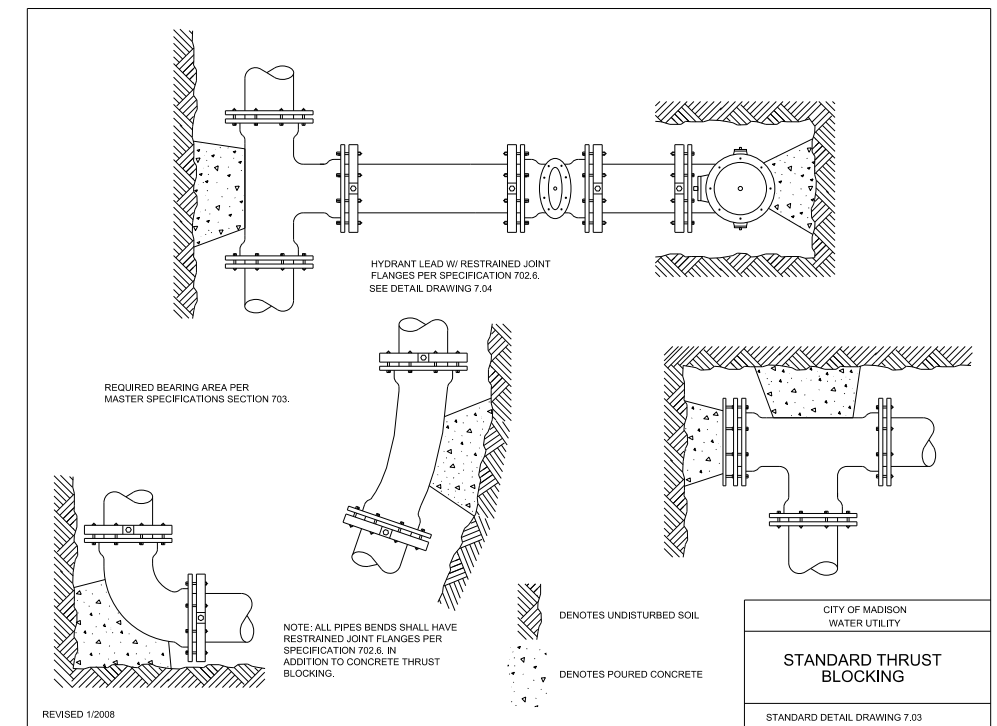
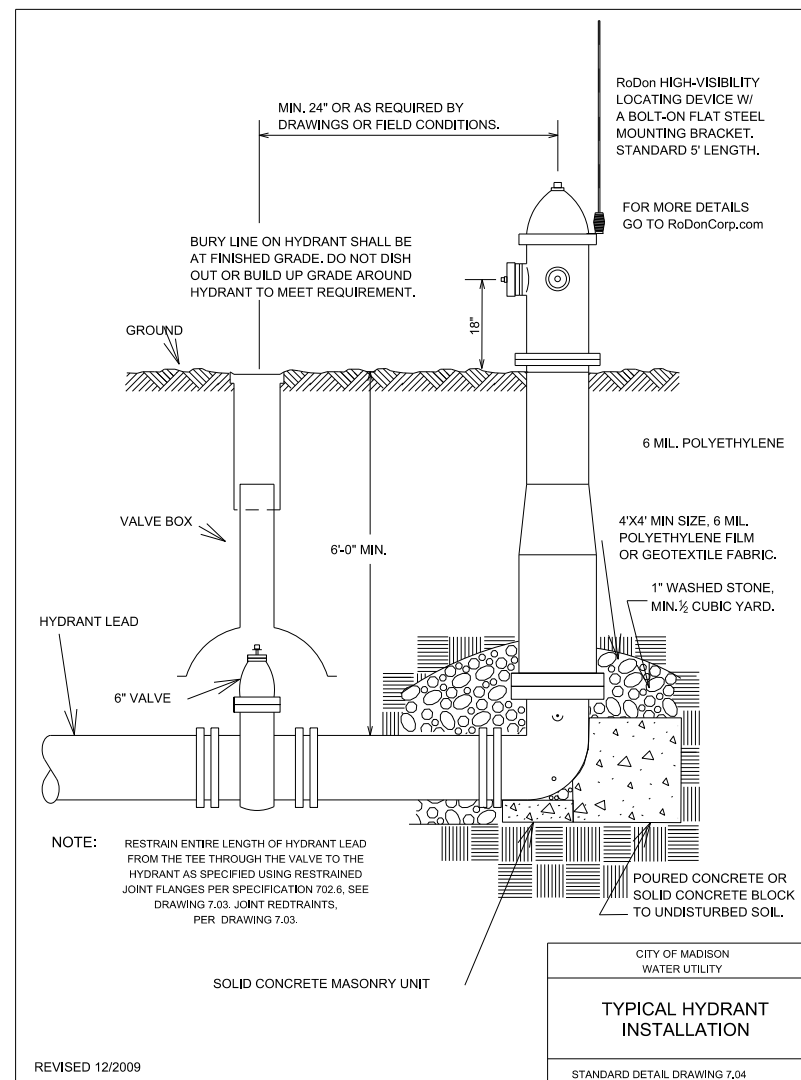
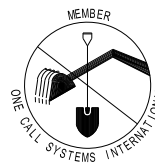
NONE

REUSED MATERIALS:

NONE

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.



EXISTING WATER SYSTEM
WATER INSTALLATION IMPACT PLAN

PM: D. CAWLEY, PE

DESIGNER: ARW

NO NOTIFICATION REQ'D FOR
MIDLAND/WINGRA CONNECTION

PROJECT LIMITS

SEE SPECIAL PROVISIONS FOR
NOTICE REQUIREMENTS FOR ANY
INTERUPTION OF SERVICE AT
1010 MIDLAND ST

NOTIFICATION AREA FOR CUT-OFF
AT FISH HATCHERY ROAD/MIDLAND ST

NOTE: DEAN CLINIC PROPERTY
DO NOT INTERRUPT SERVICE

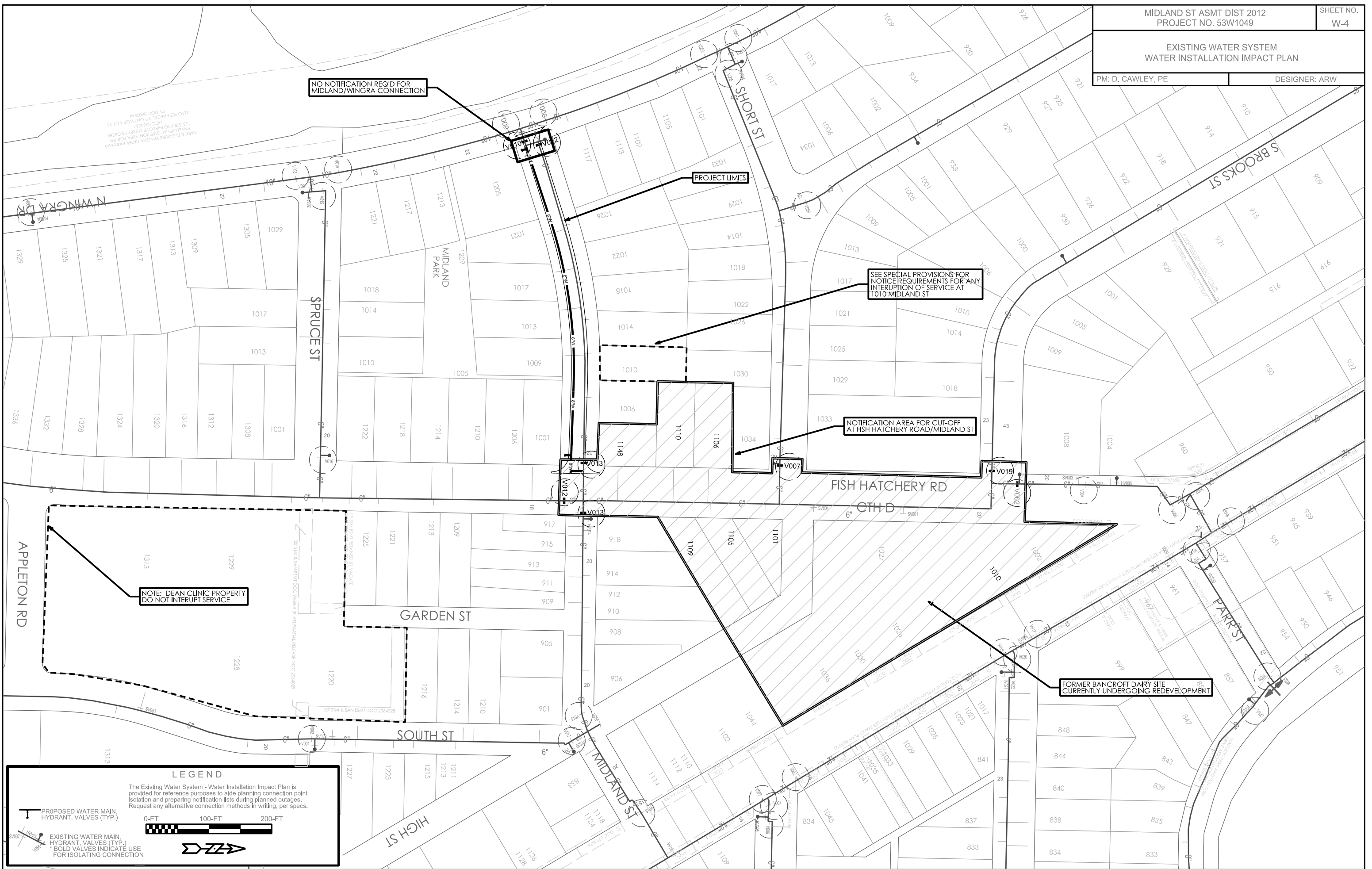
FORMER BANCROFT DAIRY SITE
CURRENTLY UNDERGOING REDEVELOPMENT

LEGEND

The Existing Water System - Water Installation Impact Plan is provided for reference purposes to aide planning connection point isolation and preparing notification lists during planned outages. Request any alternative connection methods in writing, per specs.

PROPOSED WATER MAIN,
HYDRANT, VALVES (TYP.)

EXISTING WATER MAIN,
HYDRANT, VALVES (TYP.)
BOLD VALVES INDICATE USE
FOR ISOLATING CONNECTION



PLOT SCALE:

PLOT NAME:

REV. DATE:

CROSS SECTIONS

MIDLAND ST.

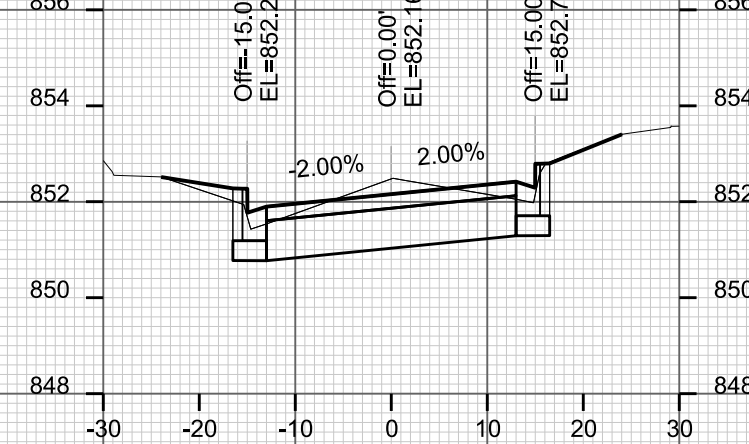
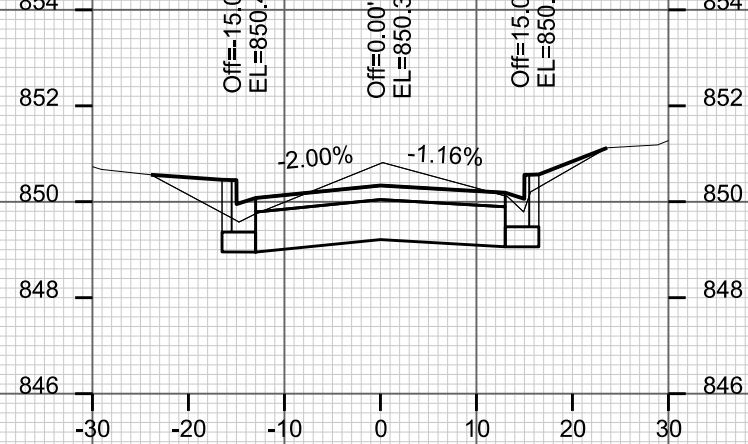
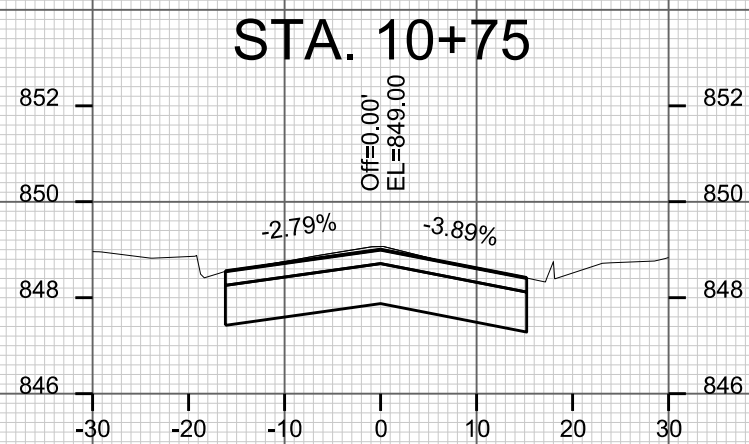
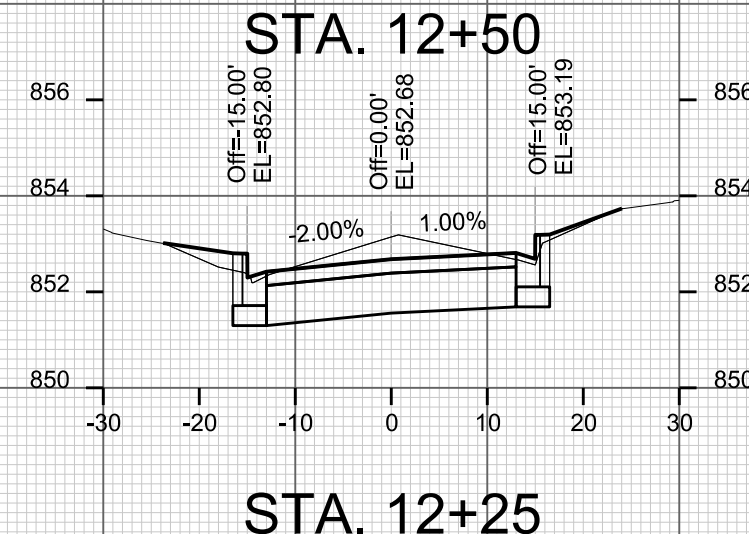
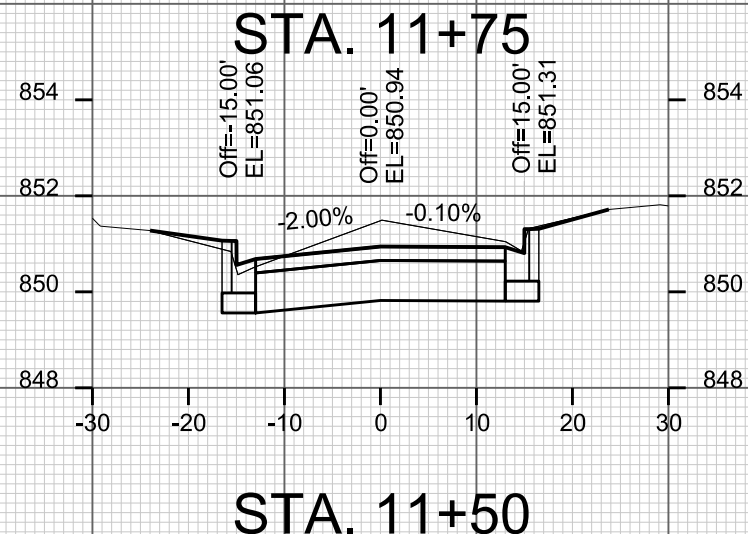
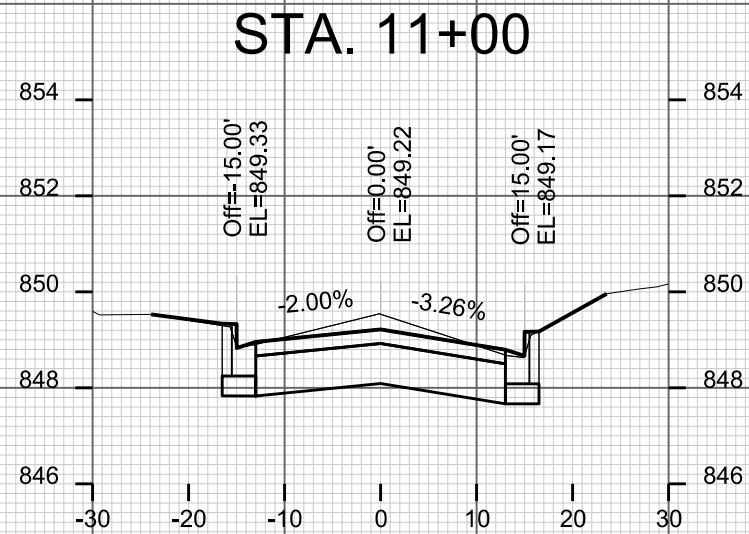
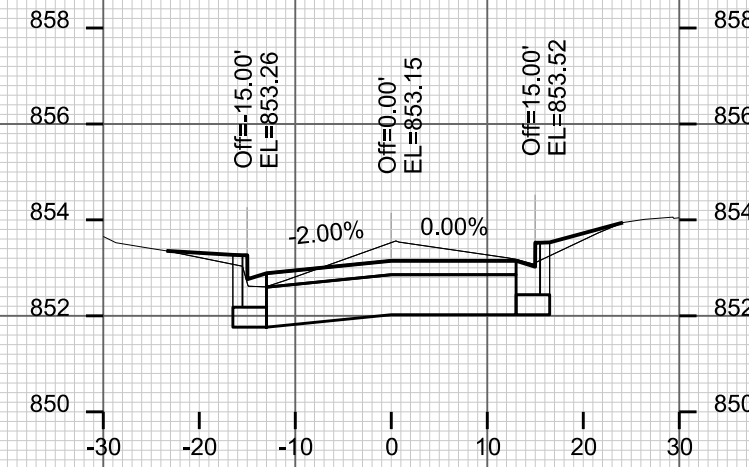
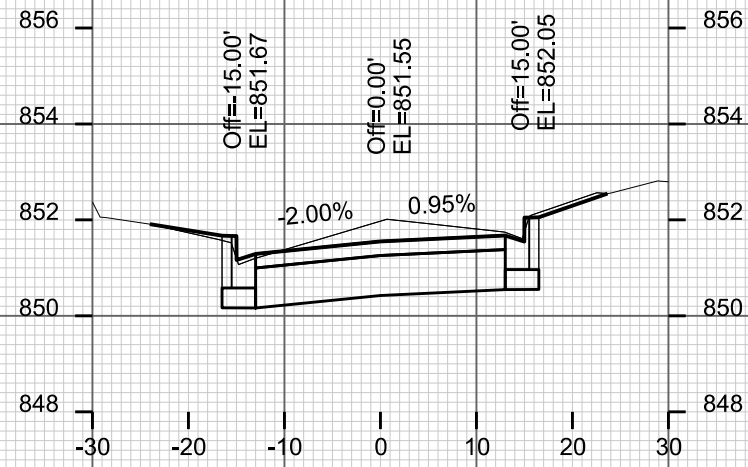
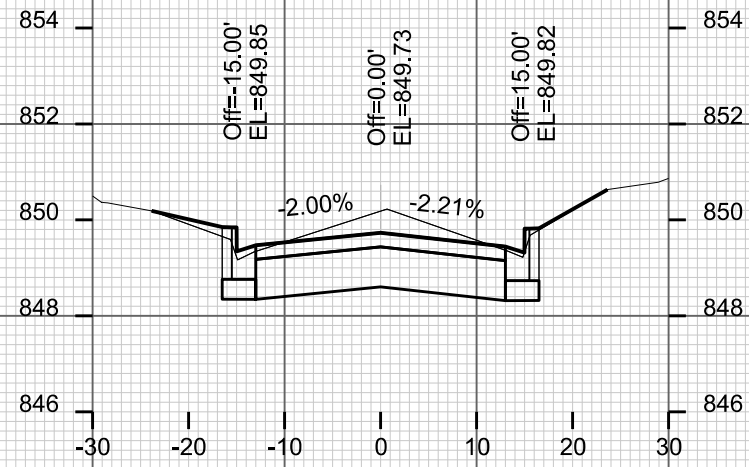
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

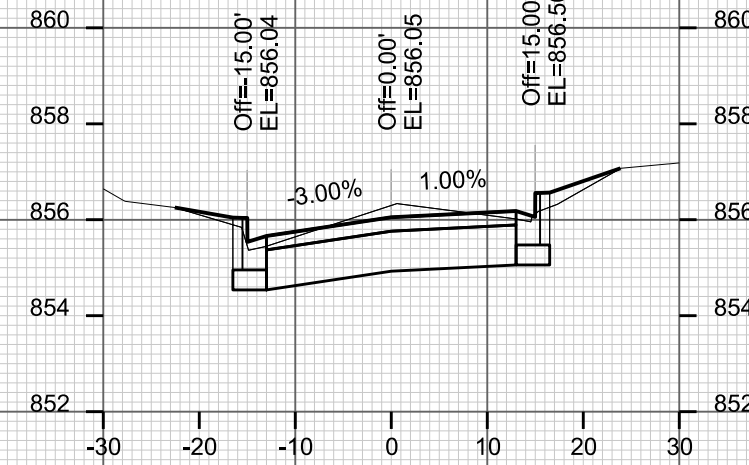
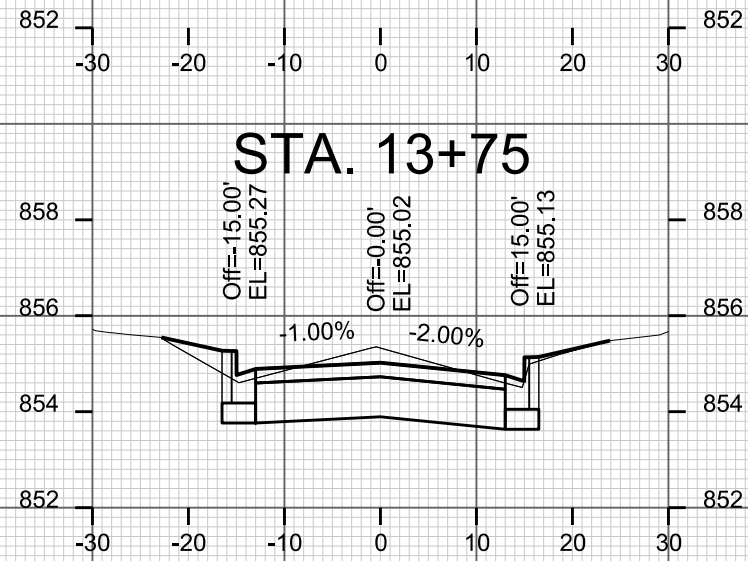
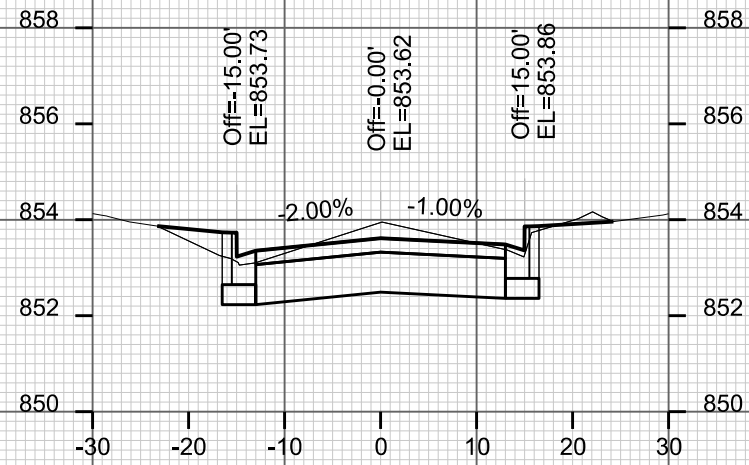
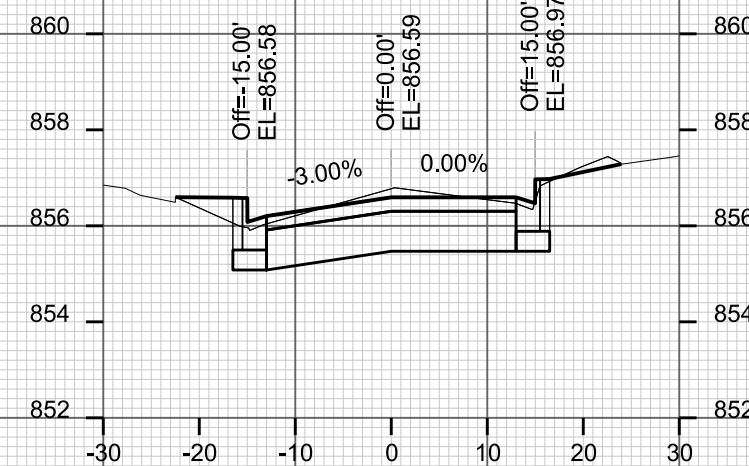
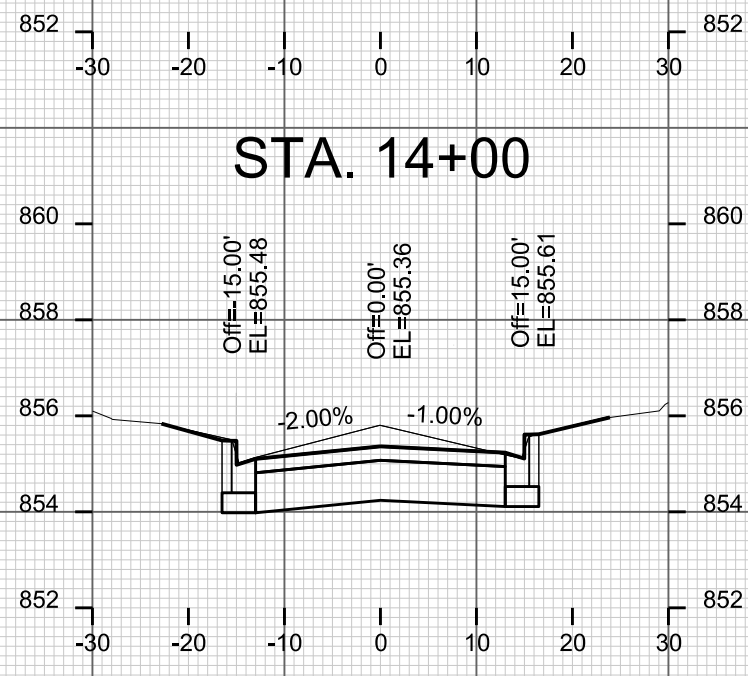
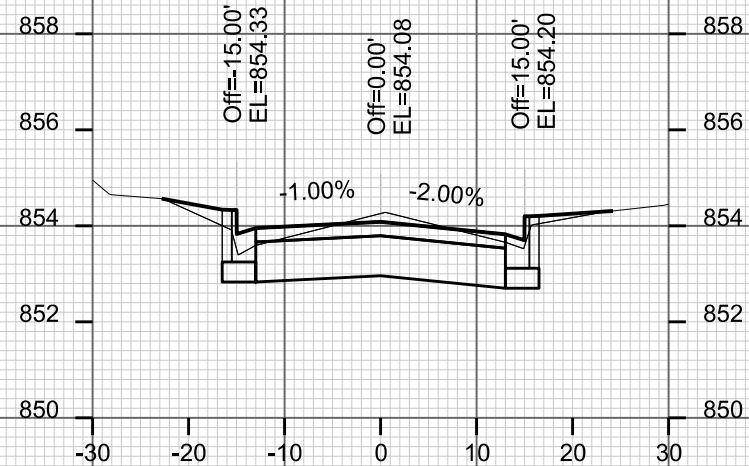
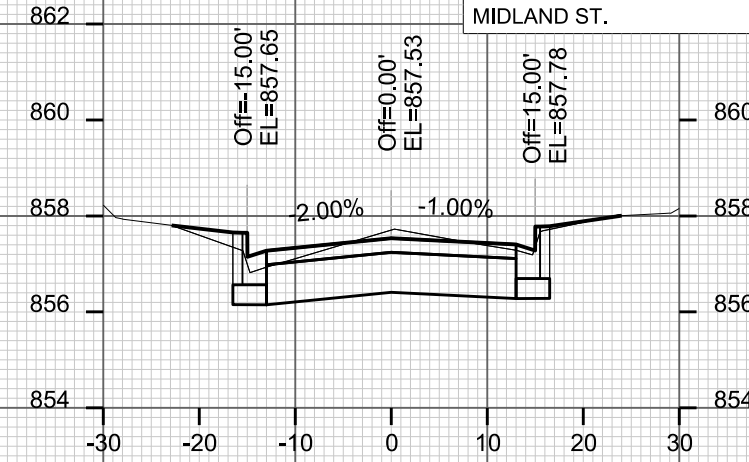
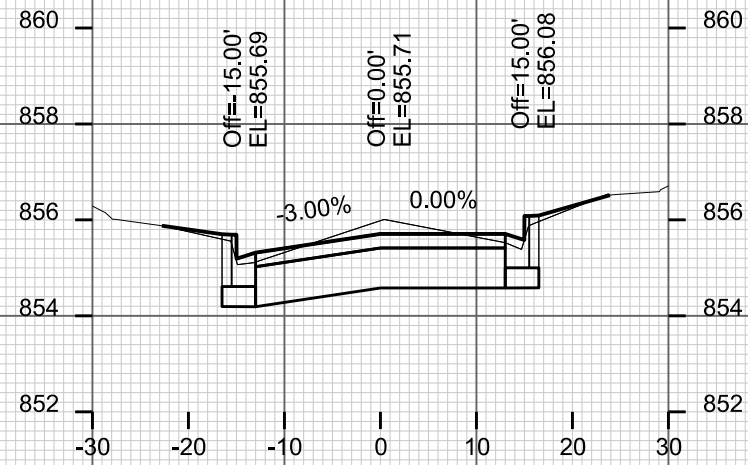
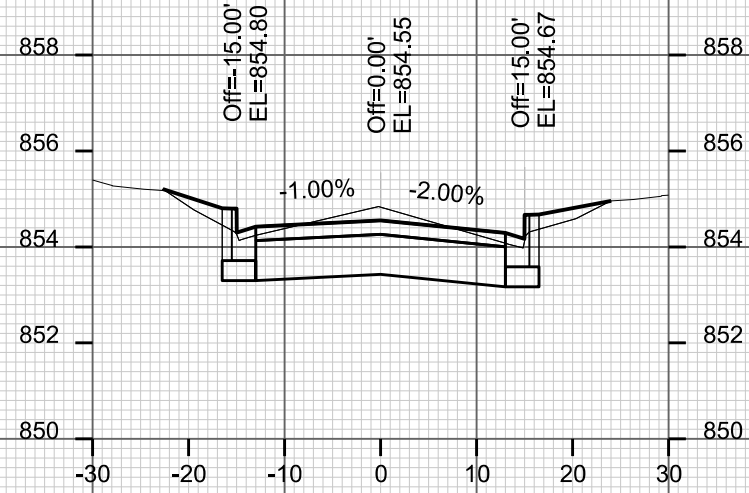
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

MIDLAND ST. CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

MIDLAND ST.

CITY OF MADISON

PLOT SCALE: _____

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