CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

ADAMS ST., RANDALL AVE. AND MOUND ST.
RESURFACING ASSESSMENT DISTRICT–2015

CITY PROJECT NO. 53W1847 MUNIS NO. 10258

CITY CONTRACT NO. 7428

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 24, 2015

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 3/13/15

STREET DESIGNED BY:

WISCONSIN
LE ANNE K. HANNAH
E-23729
MADISON
WI
PROFESSIONAL ENGINEER

SANITARY SEWER DESIGNED BY:

WISCONSIN
COREY STELLJES
41150
MADISON
WISCONSIN
3-13-15
PROFESSIONAL ENGINEER

WATER DESIGNED BY:

WISCONSIN
ADAM R. WIEDERHOEFT
E-41559
MADISON
WI
PROFESSIONAL ENGINEER
3-9-2015

STORM SEWER DESIGNED BY:

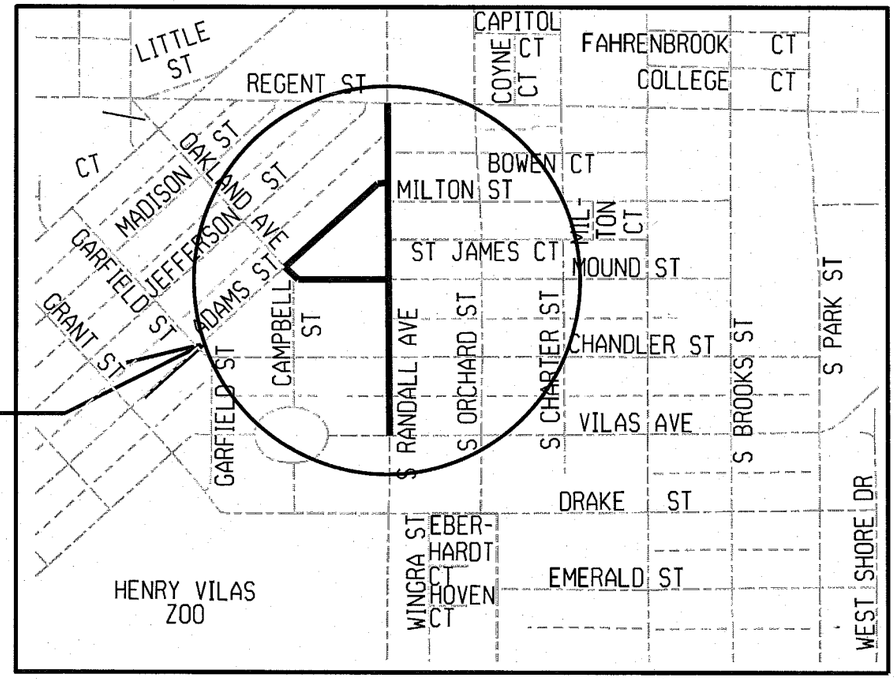
WISCONSIN
COREY STELLJES
41150
MADISON
WISCONSIN
3-13-15
PROFESSIONAL ENGINEER

INDEX OF SHEETS

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	ϕ
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:

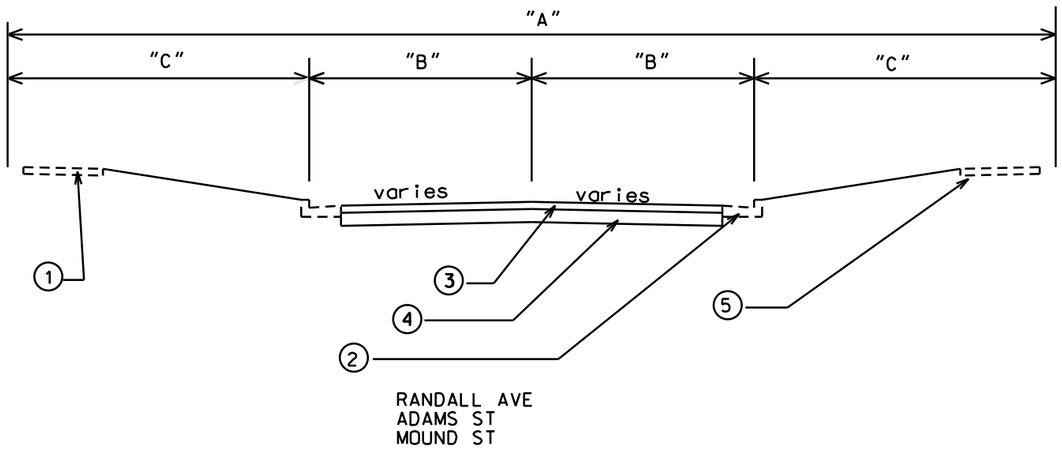
EXCAVATION CUT (MEASURED PLAN QUANTITY)..... 3605 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT..... 470 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT..... 4075 C.Y.

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

FILE NAME: M:\DESIGN\Projects\53W1847\Streets\Design\53W1847EN-TitleSht.dgn

DATE: 2/27/2015

PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. D-1
TYPICAL SECTIONS	
ADAMS ST, RANDALL AVE, MOUND ST RESURF. CITY OF MADISON	



RANDALL AVE
ADAMS ST
MOUND ST

1. EX. 5" CONC. SW
2. EX. CONC. CURB & GUTTER
3. 3-1/2" HMA PAV'T TYPE 0.3
4. 4" C.A.B.C.GR. 2
   6" C.A.B.C.GR. 1
5. 4" TOPSOIL, SEED & MATTING, AS NEEDED

STREET	"A"	"B"	"C"
RANDALL AVE (STA 11+13 - STA 20+92)	66'	15'	18'
RANDALL AVE (STA 22+50 - STA 27+33.5)	66'	17'	16'
ADAMS ST	66'	16'	17'
MOUND ST	80'	15'	25'

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

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

F:\ENCOMMON\STREETS\DGN5W0551\PLAN\TYPICAL.DGN
MAR 2008

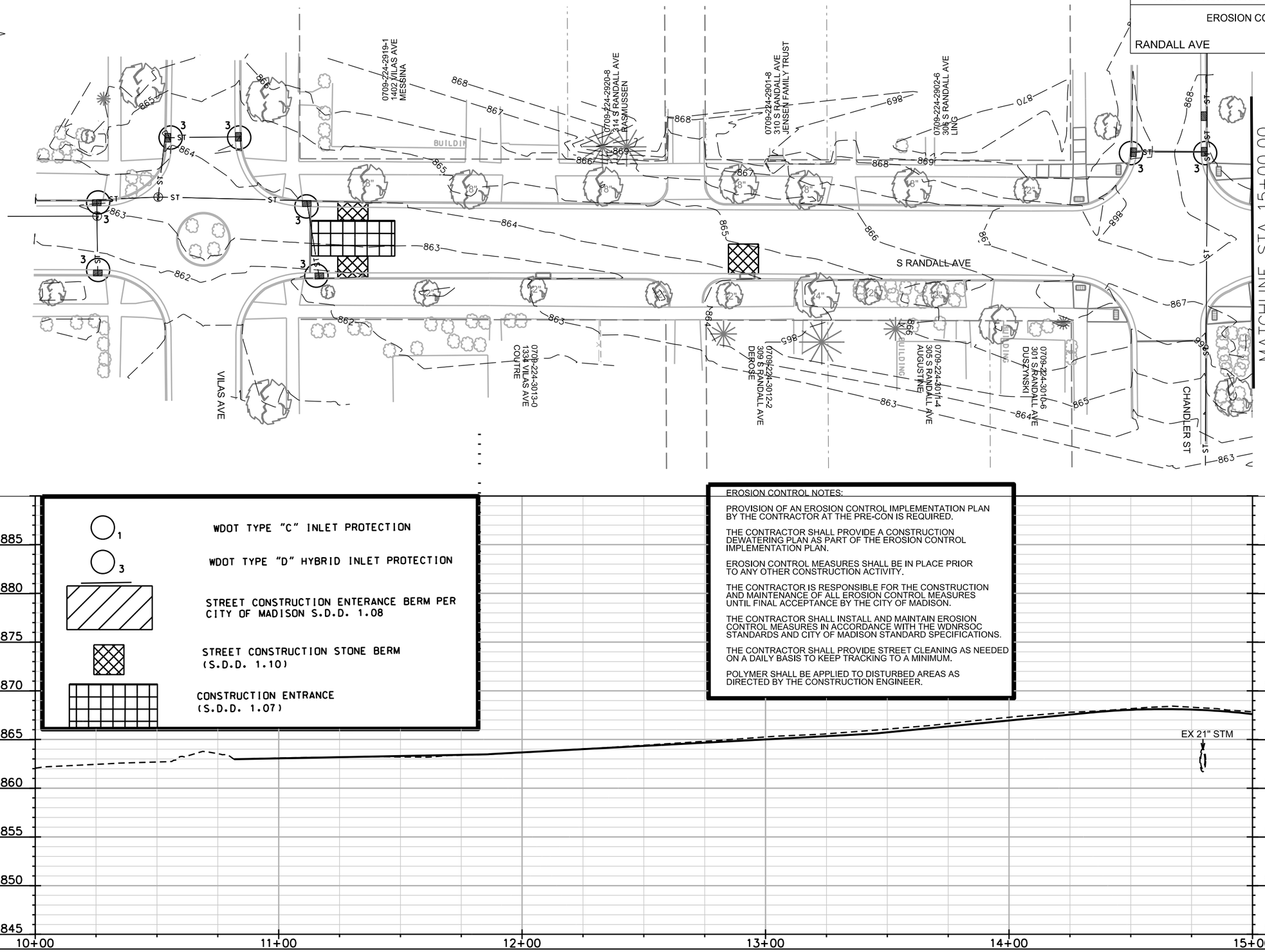
ADAMS ST, RANDALL AVE, MOUND ST. RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO.
EC-1

EROSION CONTROL PLAN

RANDALL AVE

CITY OF MADISON



1 WDOT TYPE "C" INLET PROTECTION

3 WDOT TYPE "D" HYBRID INLET PROTECTION

STREET CONSTRUCTION ENTERANCE BERM PER CITY OF MADISON S.D.D. 1.08

STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

CONSTRUCTION ENTRANCE (S.D.D. 1.07)

EROSION CONTROL NOTES:

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

THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION DEWATERING PLAN AS PART OF THE EROSION CONTROL IMPLEMENTATION PLAN.

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.

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FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847EC-PnP1.dgn

DATE: 3/11/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. EC-2

EROSION CONTROL PLAN

RANDALL AVE — CITY OF MADISON

MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

0709-224-2417-5
1402 CHANDLER ST
SCHULTZ TRUST

0709-224-2418-3
218 S RANDALL AVE
ARENDS

0709-224-2419-1
214 S RANDALL AVE
HAYNES & DEVRIES

0709-224-2420-8
210 S RANDALL AVE
RANDALL APTS LLC

0709-224-2421-6
206 S RANDALL AVE
RANDALL APTS LLC

0709-224-2422-4
202 S RANDALL AVE
SCHLUTER

0709-224-1111-4

TOP OF BERM SHALL BE EQUAL OR LOWER THAN SIDEWALK

S RANDALL AVE

0709-224-2317-7
1332 CHANDLER ST
TREICHEL

0709-224-2311-9
215 S RANDALL AVE
KIRCHER

0709-224-2310-1
213 S RANDALL AVE
BORMETT

0709-224-2309-4
209 S RANDALL AVE
BORMETT

0709-224-2308-6
1337 MOUND ST
OHNSTAD

MOUND ST

0709-224-1808-7
1342 MOUND ST
MOUND ST HOUSING CO-OP

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STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

CONSTRUCTION ENTRANCE (S.D.D. 1.07)

S-21

P-21

885 880 875 870 865 860 855 850 845

15+00 16+00 17+00 18+00 19+00 20+00

PLOT SCALE: ——

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FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847EC-PnP2.dgn

DATE: 3/11/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. EC-3
EROSION CONTROL PLAN	
RANDALL AVE	CITY OF MADISON

MATCHLINE STA 20+00.00

MATCHLINE STA 25+00.00

S RANDALL AVE

S JAMES CT

MILTON ST

1406 MOUND ST
BETH ISRAEL CENTER

0709-224-1114-8
114 S RANDALL AVE
GORDON

0709-224-1115-6
106 S RANDALL AVE
MADISON HISTORICAL PROP LLC

0709-224-1116-4
104 S RANDALL AVE
MADISON HISTORICAL PROP LLC

0709-224-1101-5
102 S RANDALL AVE
WINGRA SPRINGS PROP LLC

0709-224-0437-5
1504 ADAMS ST
V VILAS LLC

0709-224-0438-3
1502 ADAMS ST
LANGLOIS II

0709-224-0439-1
20 S RANDALL AVE
20 SOUTH LLC

BUILDING

0709-224-1807-9
117 S RANDALL AVE
KELENY

0709-224-1714-6
115-S RANDALL AVE
CAMPUS COTTAGE LLC

0709-224-1713-8
111 S RANDALL AVE
VILAS PROPERTIES LLC

0709-224-1712-0
109 S RANDALL AVE
COUTRE

0709-224-1711-2
103 S RANDALL AVE
L ELSIE LLC

0709-224-1214-6
39 S RANDALL AVE
TWIN RODNEYS LLC

0709-224-1213-8
37 S RANDALL AVE
KELENY

0709-224-1212-0
29 S RANDALL AVE
RANDALL COTTAGE LLC

0709-224-1211-2
25 S RANDALL AVE
KELENY

0709-224-1210-4
21 S RANDALL AVE
LASEK

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STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

CONSTRUCTION ENTRANCE (S.D.D. 1.07)

875 870 865 860 855 850 845 840 835

20+00 21+00 22+00 23+00 24+00 25+00

PLOT SCALE:

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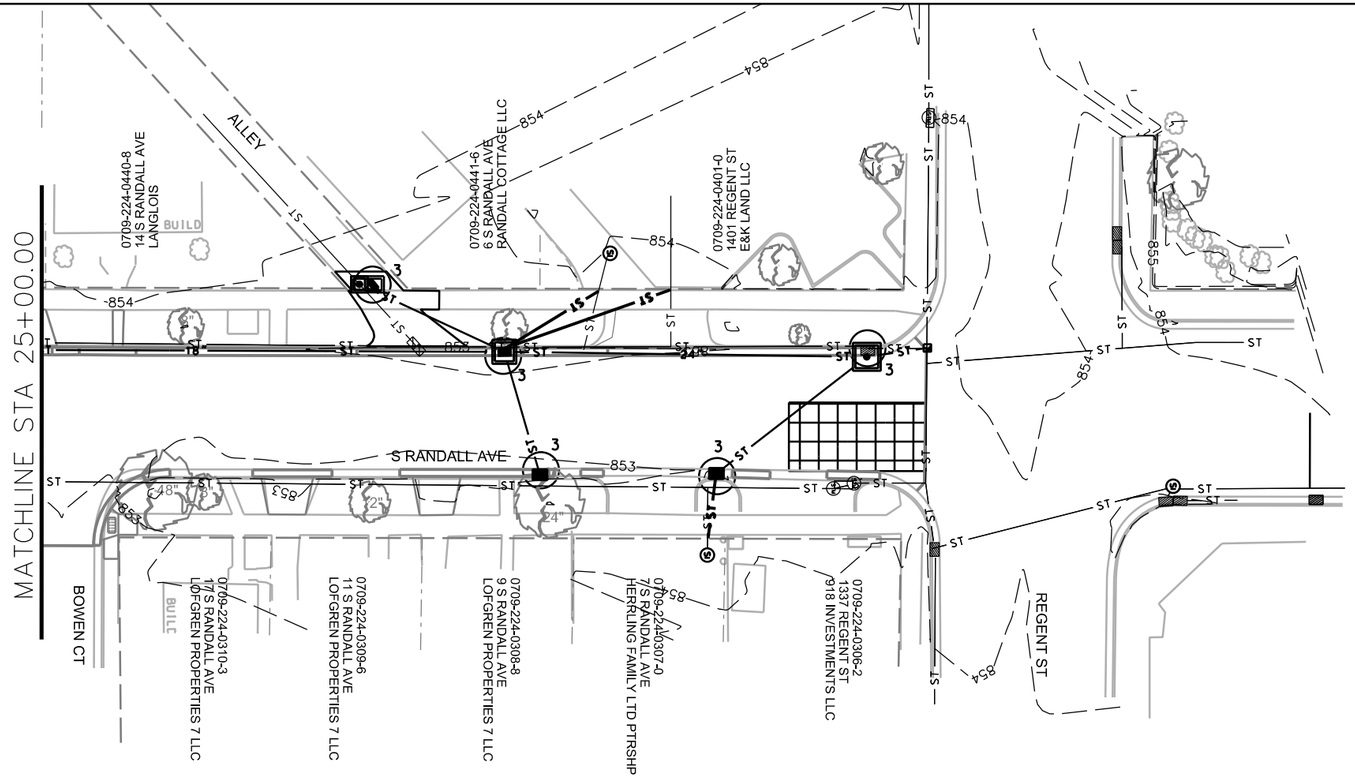
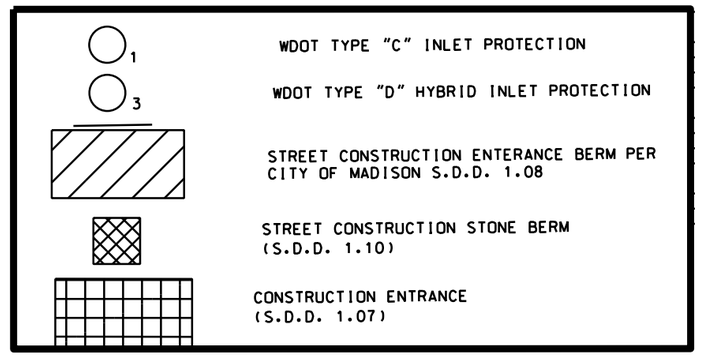
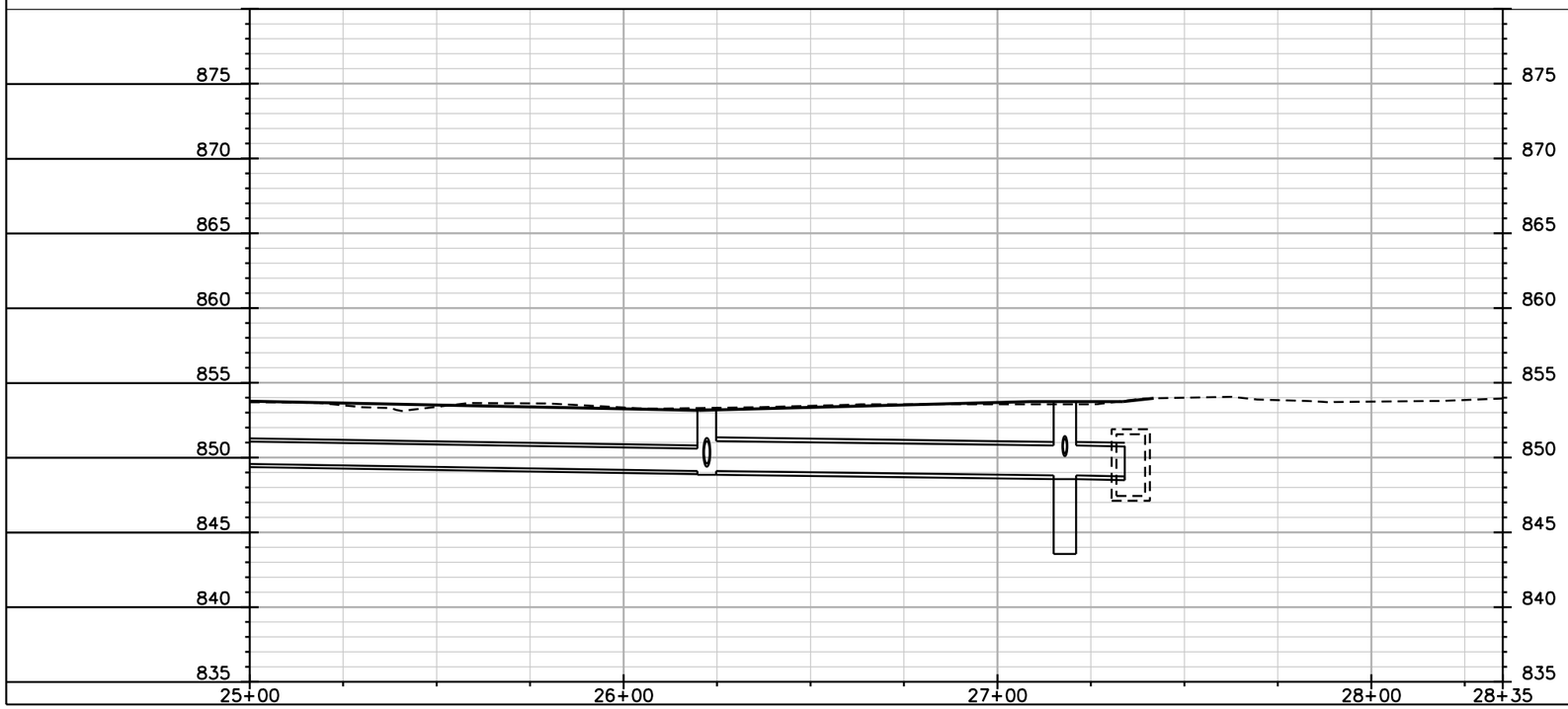
FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847EC-PnP3.dgn

DATE: 3/11/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. EC-4
EROSION CONTROL PLAN	
RANDALL AVE	CITY OF MADISON







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ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. EC-5
EROSION CONTROL PLAN	
ADAMS ST	CITY OF MADISON

PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

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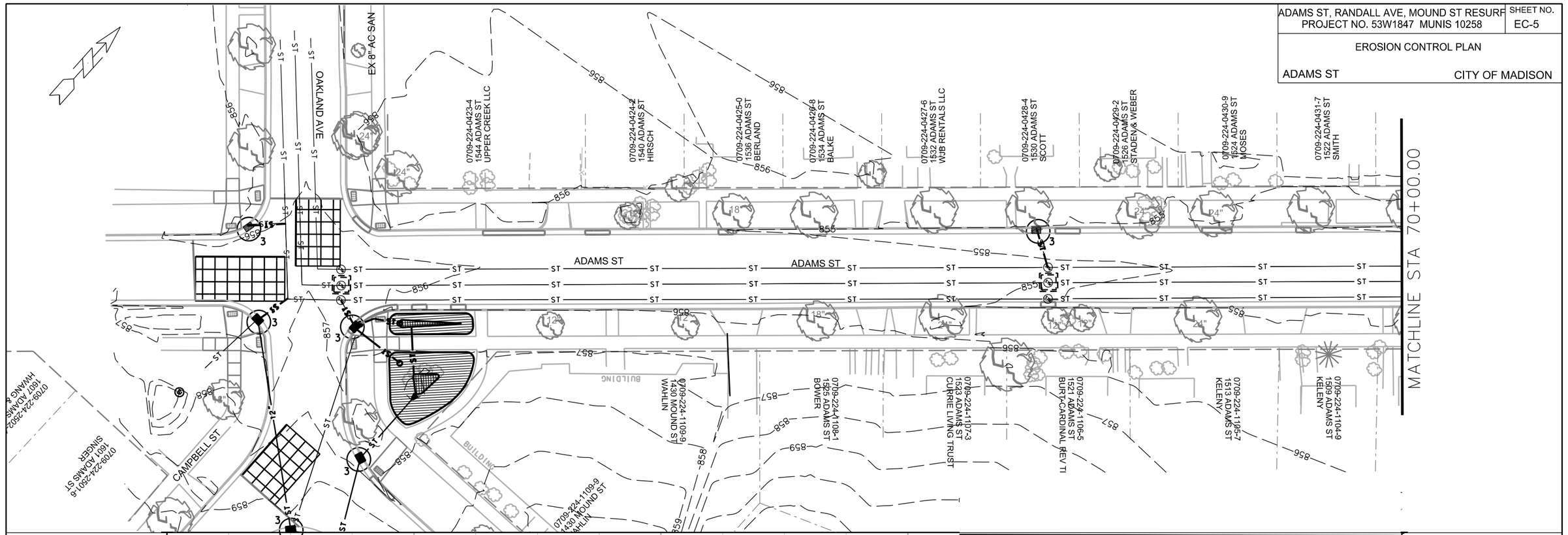

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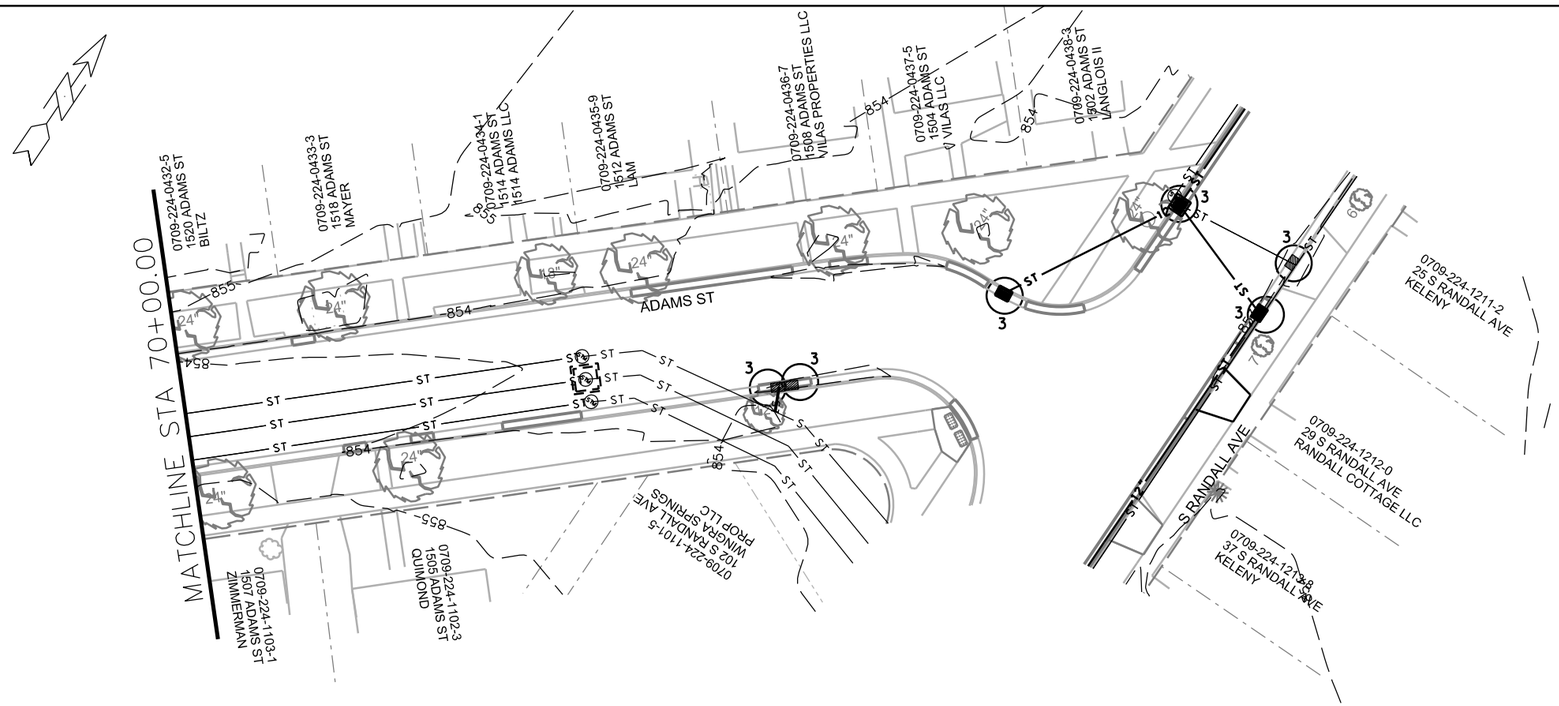
STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

CONSTRUCTION ENTRANCE (S.D.D. 1.07)

FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847EC-PnP5.dgn

DATE: 3/11/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. EC-6
EROSION CONTROL PLAN	
ADAMS ST	CITY OF MADISON



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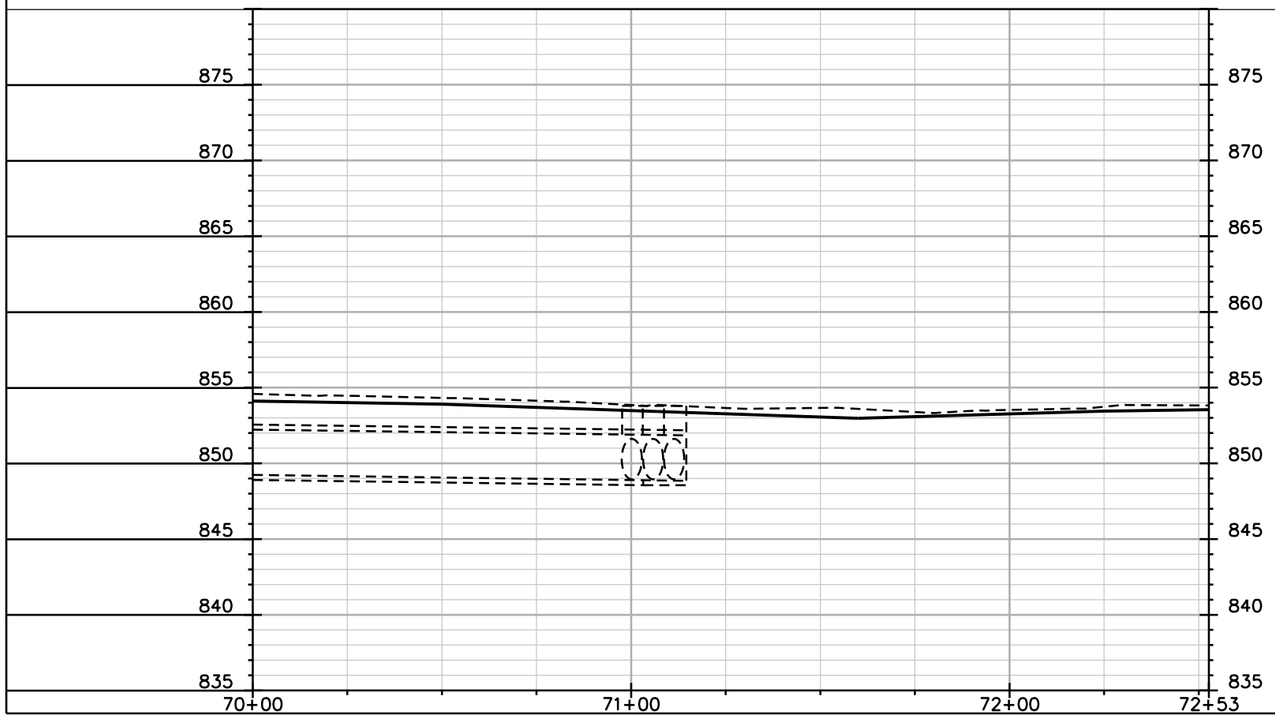

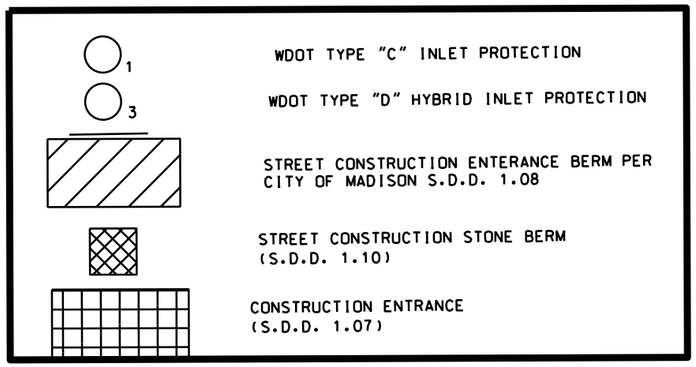

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ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. EC-7
EROSION CONTROL PLAN	
MOUND ST	CITY OF MADISON

PLOT SCALE: ——

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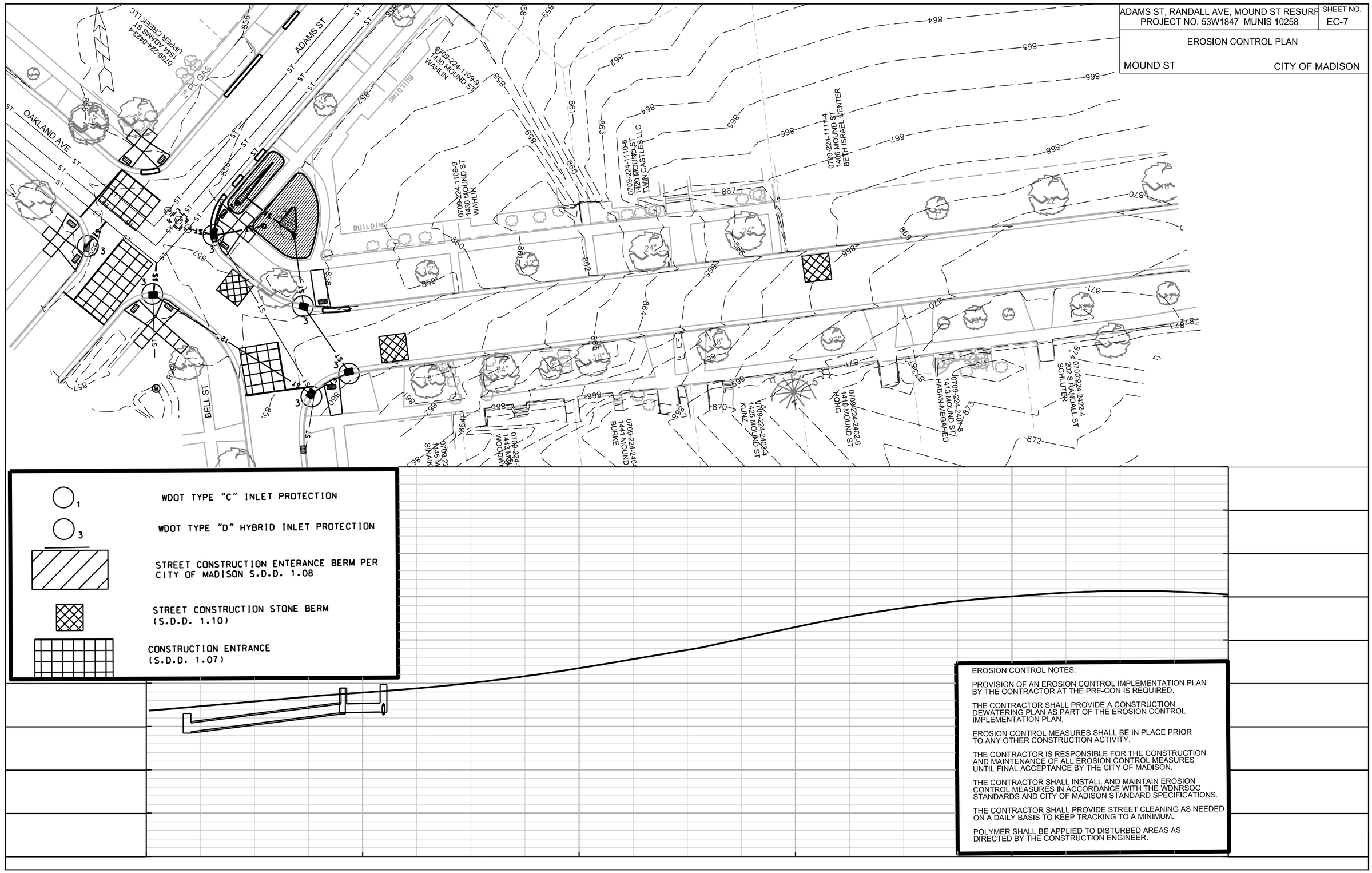

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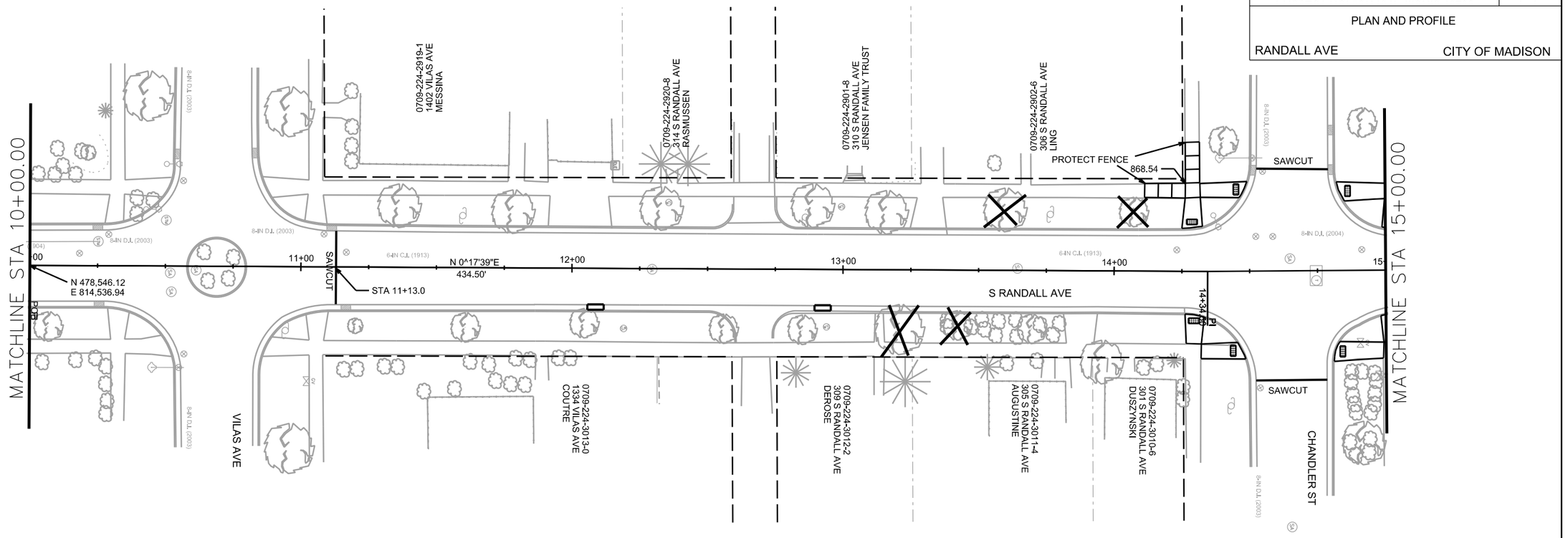
ADAMS ST, RANDALL AVE, MOUND ST. RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. P-1

PLAN AND PROFILE

RANDALL AVE — CITY OF MADISON



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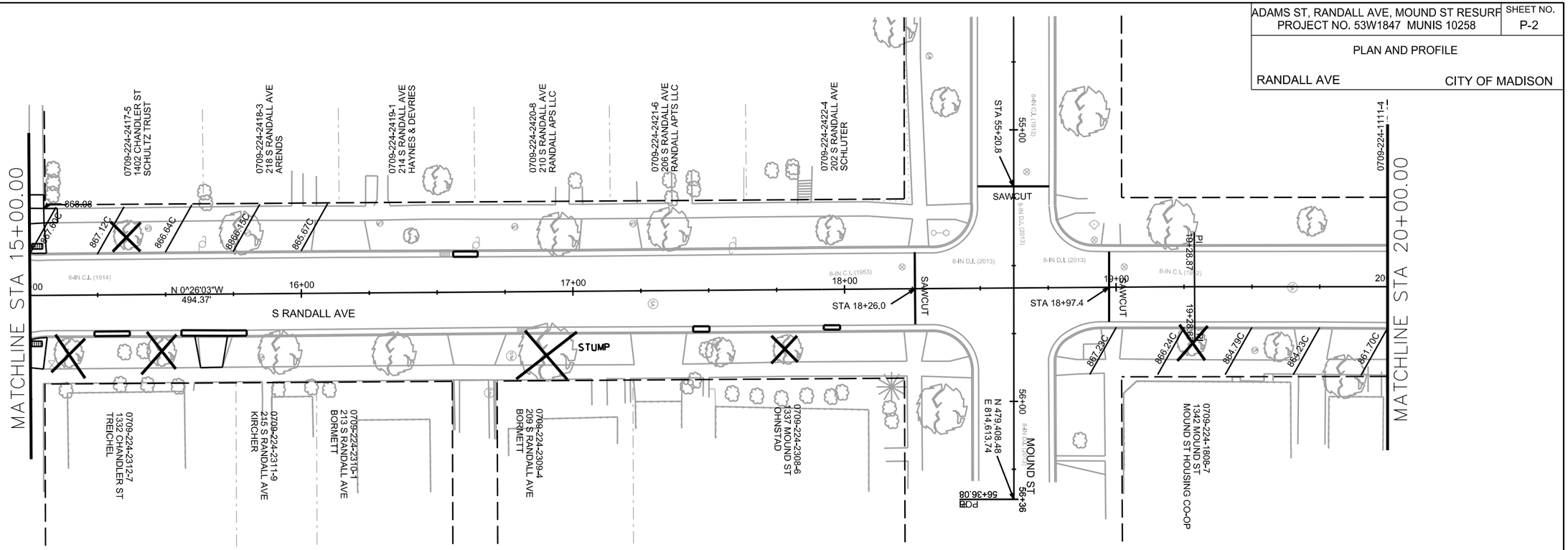
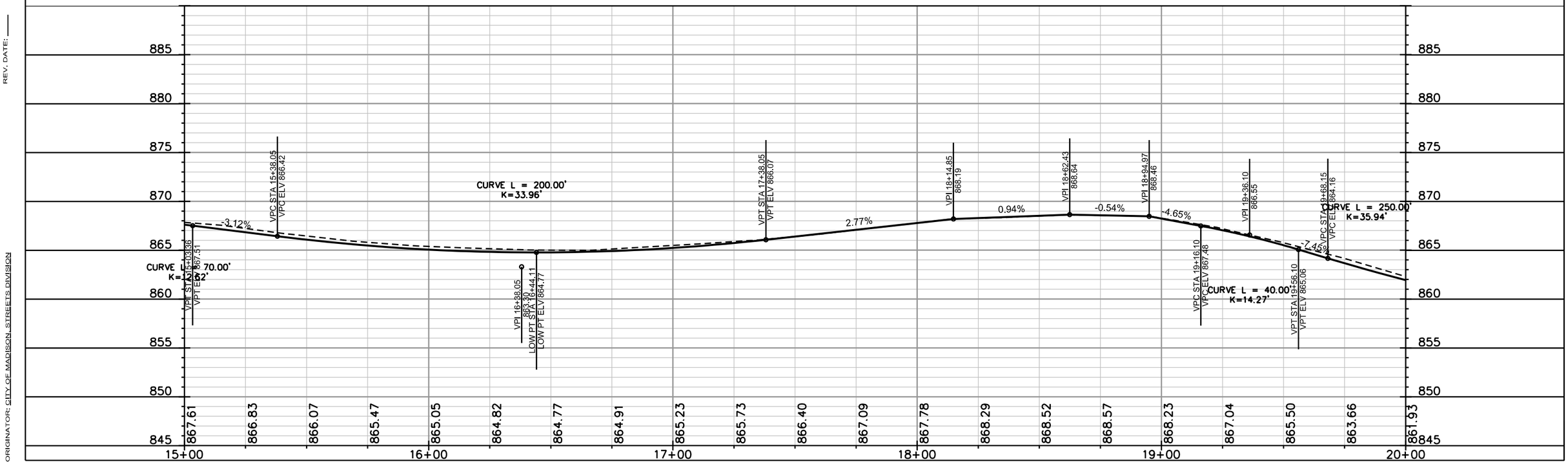
FILE NAME: M:\DESIGN\Projects\53W1847\Streets\Design\53W1847EN-PnP1.dgn

DATE: 3/5/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. P-2
PLAN AND PROFILE	
RANDALL AVE	CITY OF MADISON





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DATE: 3/5/2015

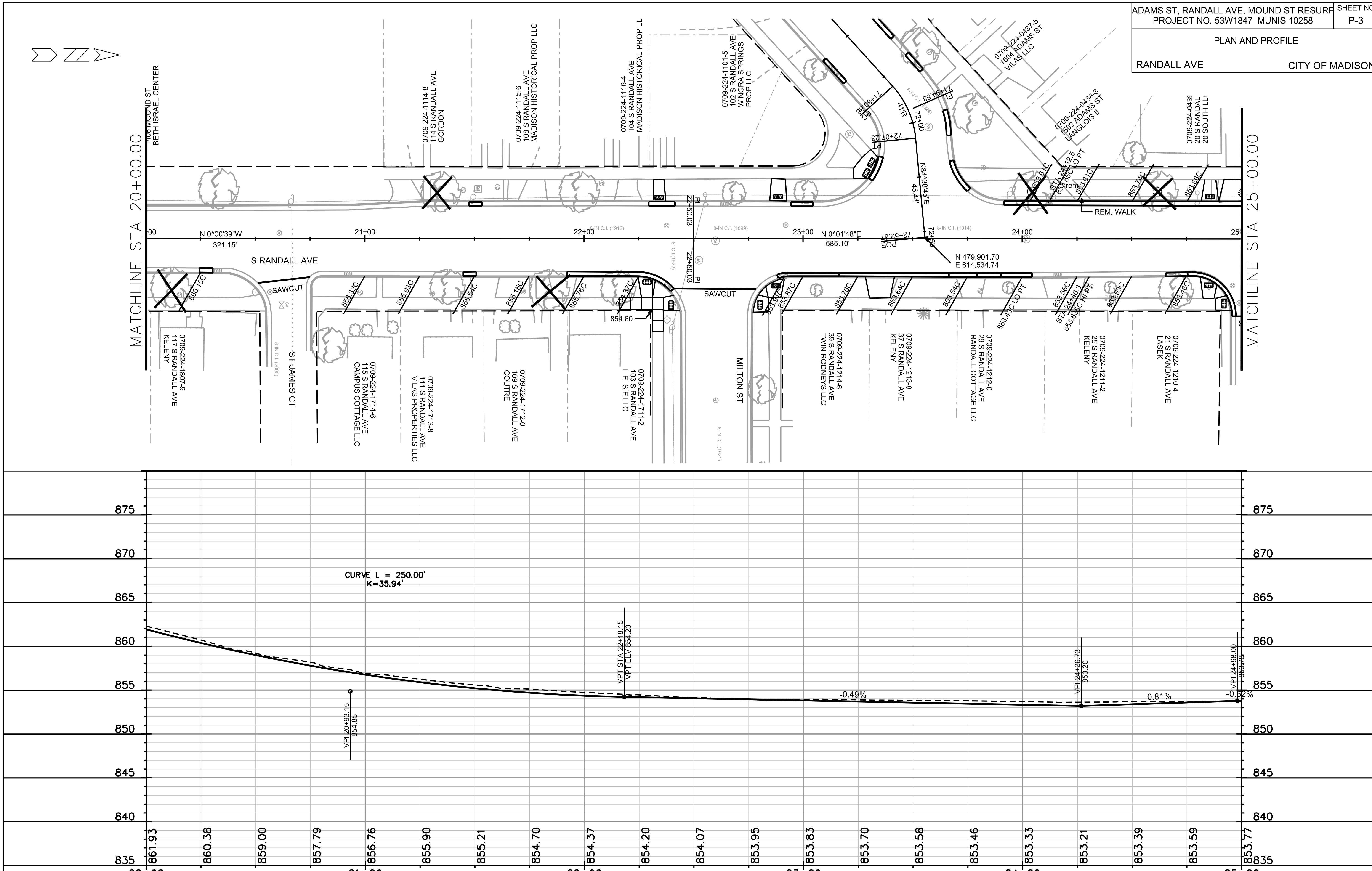
ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. P-3

PLAN AND PROFILE

RANDALL AVE

CITY OF MADISON



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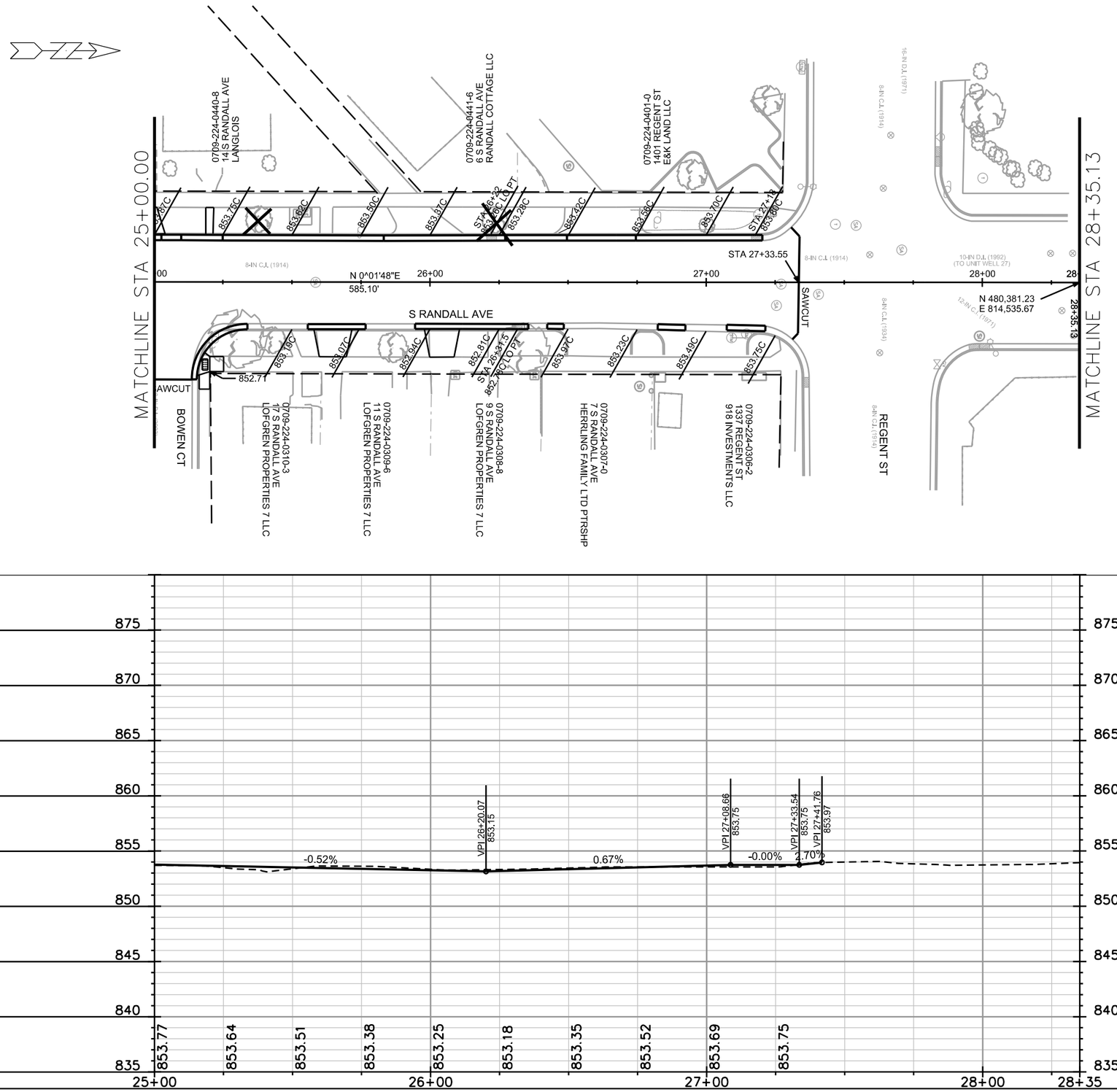
DATE: 3/5/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. P-4
PLAN AND PROFILE	
RANDALL AVE	CITY OF MADISON



PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Streets\Design\53W1847EN-PnP4.dgn

DATE: 3/5/2015

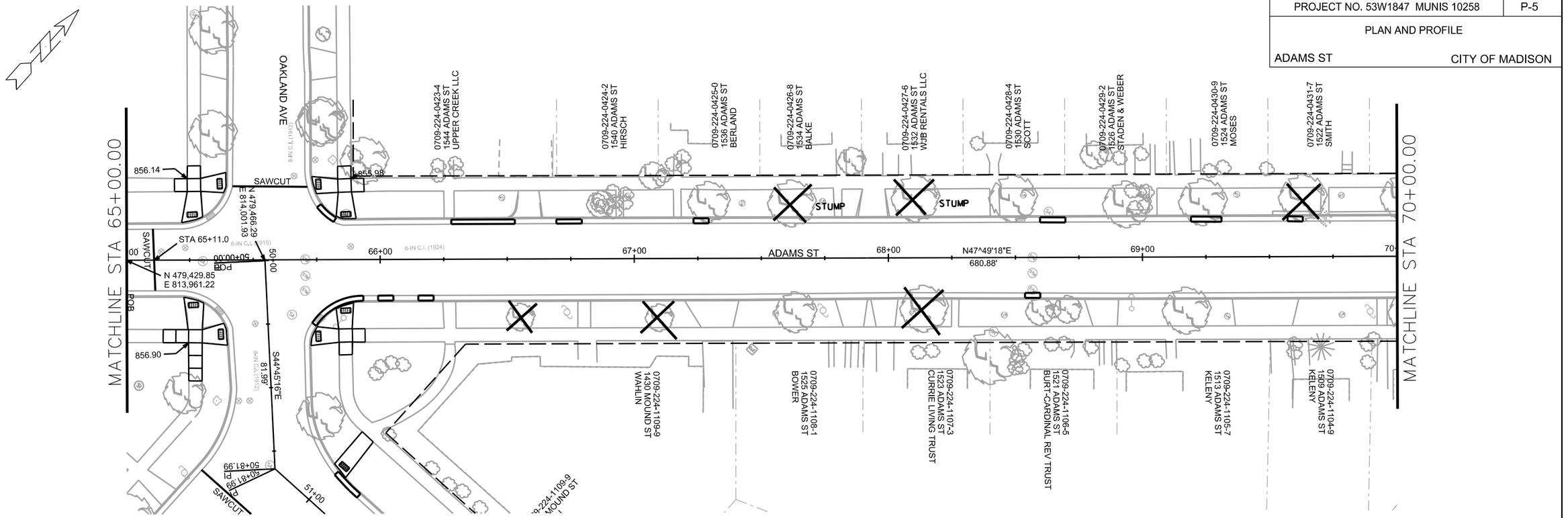
ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. P-5
PLAN AND PROFILE	
ADAMS ST	CITY OF MADISON

PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

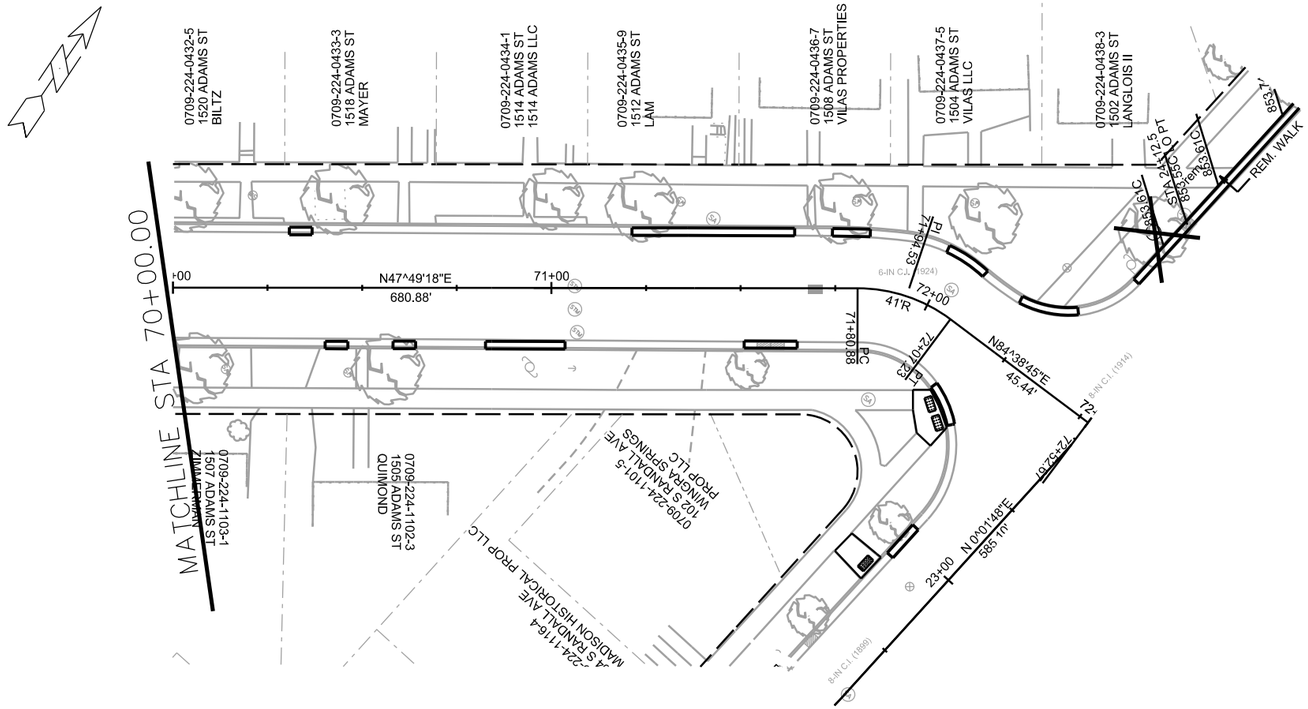
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

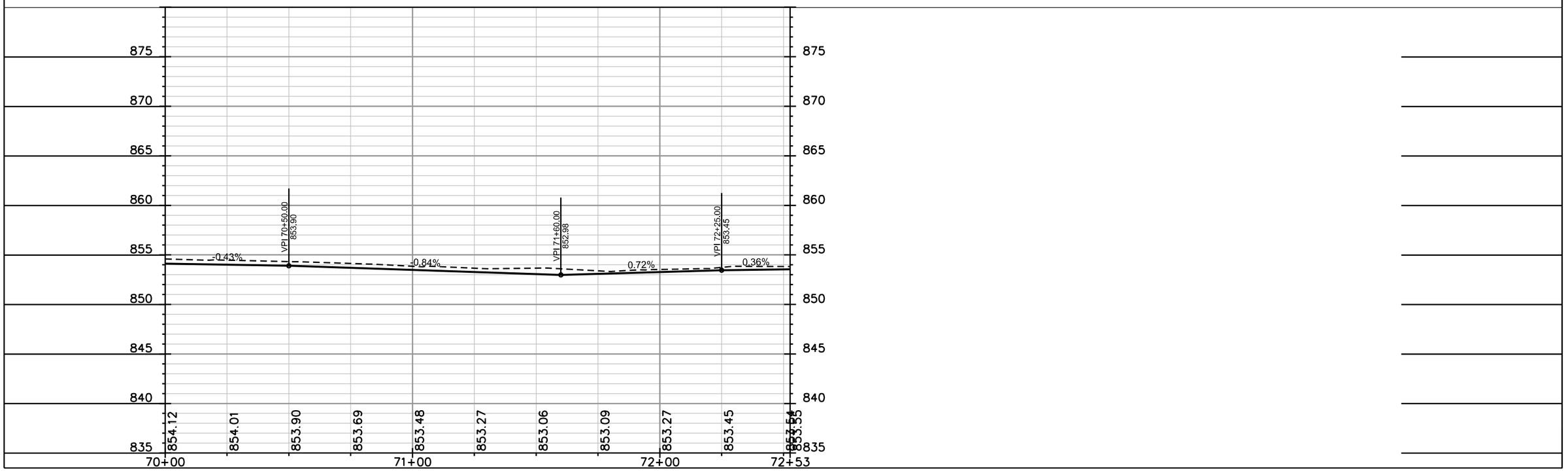


FILE NAME: M:\DESIGN\Projects\53W1847\Streets\Design\53W1847EN-PnP5.dgn

DATE: 3/5/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. P-6
PLAN AND PROFILE	
ADAMS ST	CITY OF MADISON

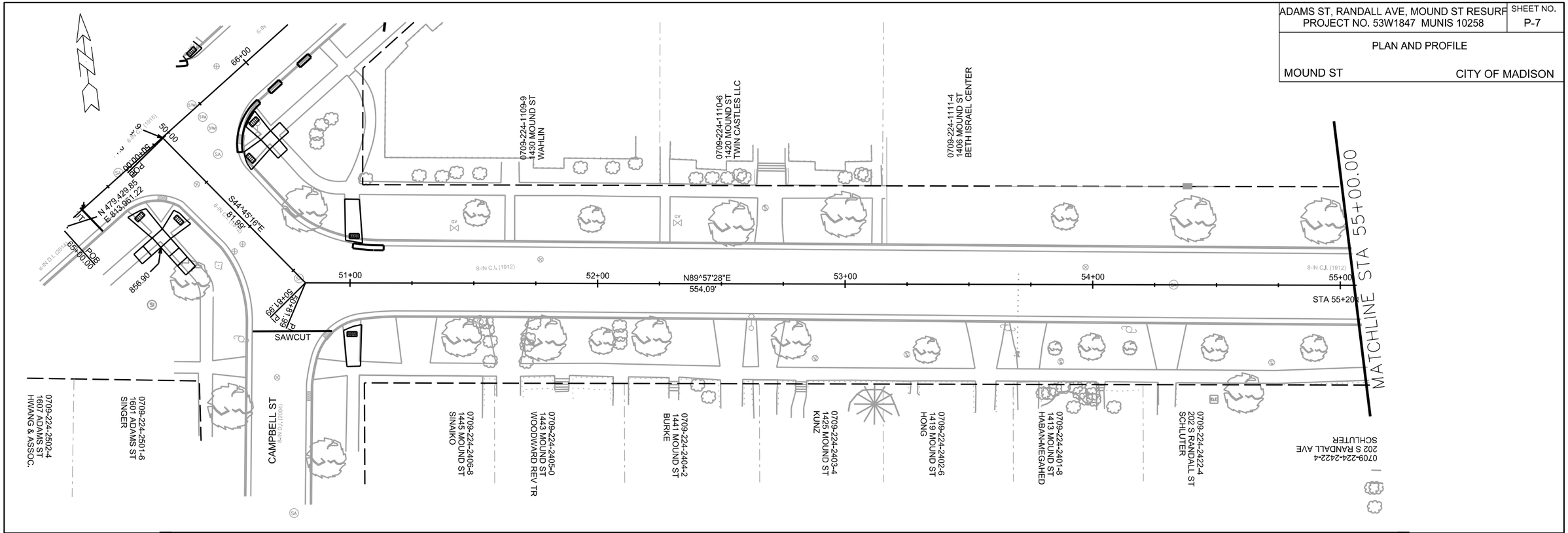


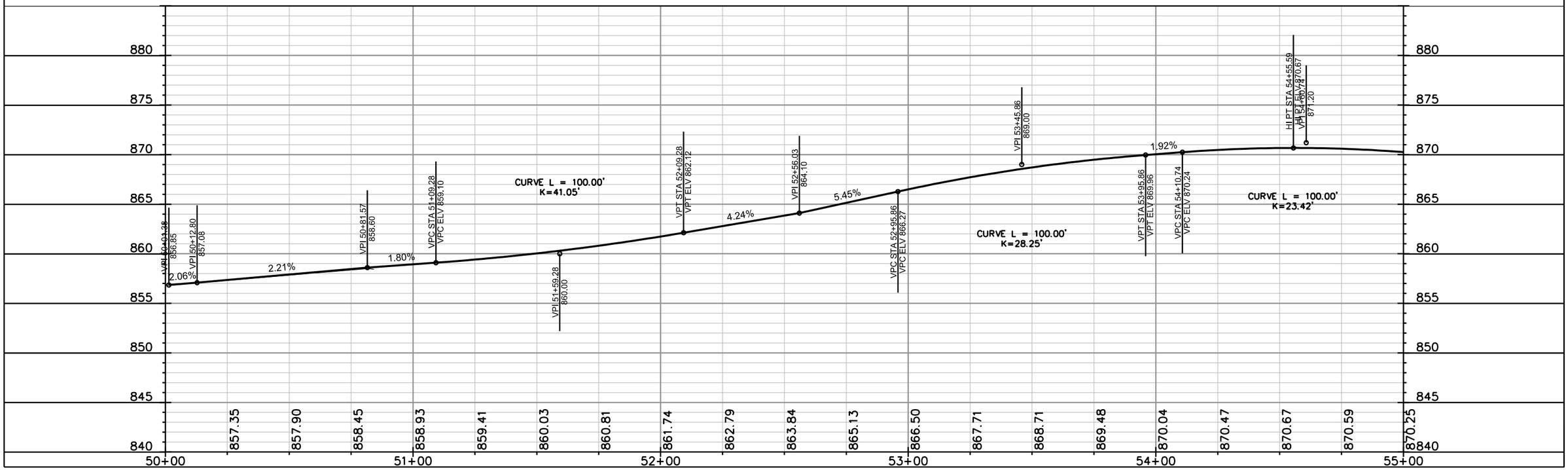


PLOT NAME: ____ PLOT SCALE: ____ REV. DATE: ____ ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Streets\Design\53W1847EN-PnP6.dgn DATE: 3/5/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. P-7
PLAN AND PROFILE	
MOUND ST	CITY OF MADISON





PLOT SCALE: ——

PLOT NAME: ——

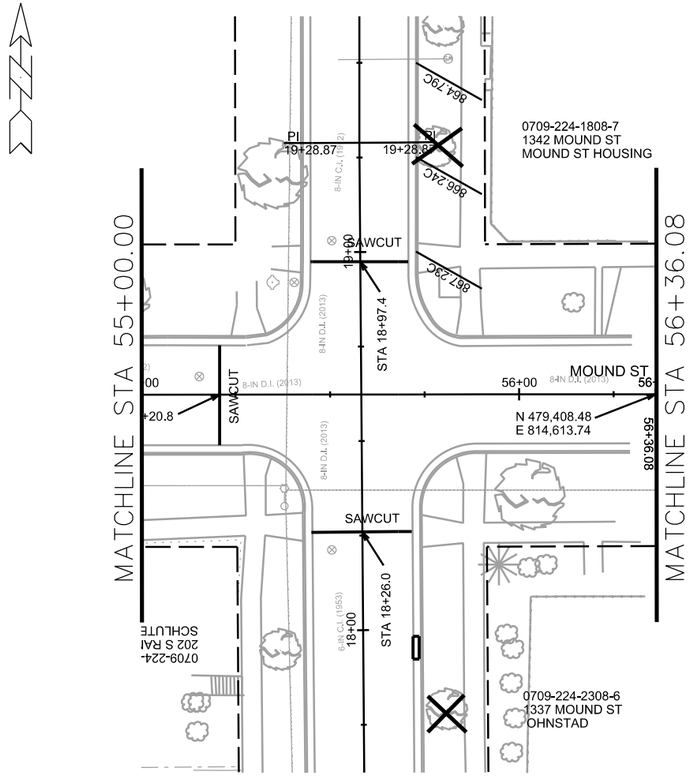
REV. DATE: ——

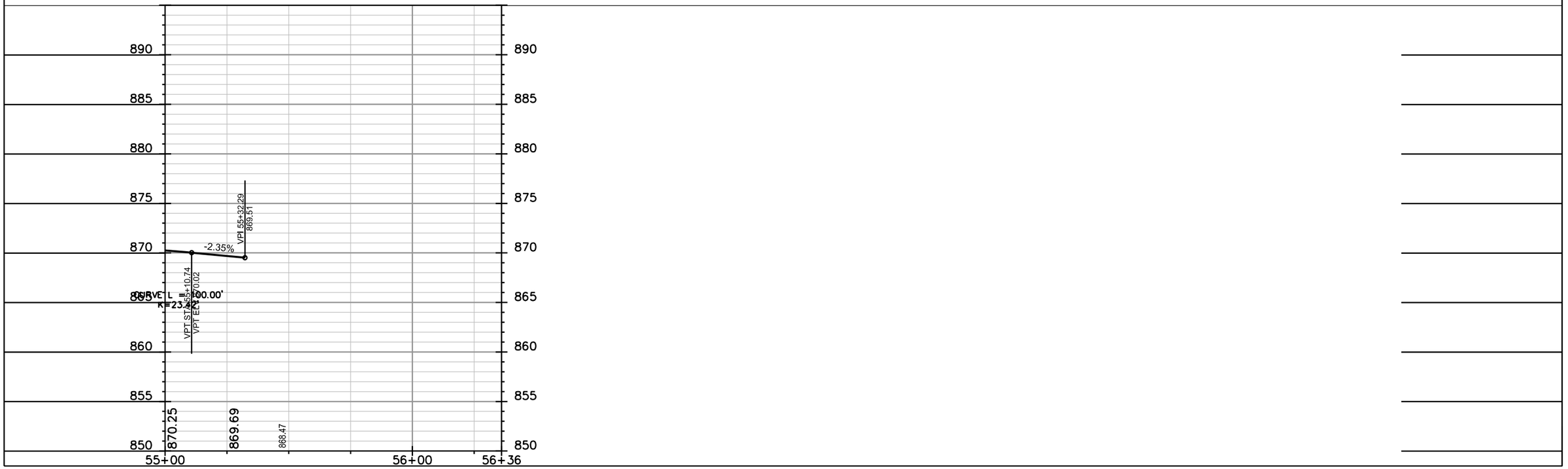
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Streets\Design\53W1847EN-PnP7.dgn

DATE: 3/5/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. P-8
PLAN AND PROFILE	
MOUND ST	CITY OF MADISON





PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Streets\Design\53W1847EN-PnP8.dgn

DATE: 3/5/2015

ADAMS/RANDALL/MOUND PROJECT NO. 53W1847	SHEET NO. RG-1
RAIN GARDENS	
1555 ADAMS	CITY OF MADISON

1' SPACING SW TO EDGE OF RAIN GARDEN (TYPICAL)

3:1 MAX SLOPE (TYPICAL)

CONSTRUCT RAIN GARDENS PER BIO RETENTION DETAIL S.D.D. 2.09

EDGE OF RAIN GARDEN GRADING. MATCH EXISTING. (TYPICAL)

SEE RAIN GARDEN GRADING POINT COORDINATES ON PAGE U-8

STRUCTURES S-41 AND S-38: TRIM TOP OF PVC RISER PIPE TO ELEVATIONS SPECIFIED ON PAGE U-8.

SEE PAGE U-7 FOR STORM SEWER DESIGN

TEMP PIPE PLUG AT S-32

ADAMS ST

MOUND ST

BUILDING

S-41 S-40 S-39 S-38 S-37 S-34 S-31 S-30

P-41 P-40 P-38 P-35 P-32 P-31

D E F A B C

8"W PROP WATER

EX WATER

EX SAN

EX STM

SCALE: 1"=10'

PLOT SCALE: ——

PLOT NAME: ——

REV. DATE: ——

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Rain Gardens\RG-1.dgn

DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST. RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. U-1

PLAN AND PROFILE

RANDALL AVE — CITY OF MADISON

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

EX 8" PVC SAN
EX IN 4554-027
EX 12" STM
EX IN 4554-028
EX IN 4554-029
EX AS 4554-026
EX 15" STM
EX 18" STM
EX AS 4554-074
EX SAS 4554-030
EX SAS 4554-001
MSD MH08-117
EX IN 4554-030
EX 12" STM
EX IN 4554-031
EX 42" MMSD SAN
4" PL GAS
VILAS AVE
EX 8" PVC SAN
LAT REPLACED 2004
EX PVC 8" SAN @3.22%
REM EX 8" SAN
SAS#6
REM EX SAS 4554-013
168'-8"PVC@0.88%
REM EX 6" SAN
SAS#7
REM EX SAS 4654-018
S RANDALL AVE
EX 42" MMSD SAN
4" PL GAS
LAT REPLACED 2004
SEE WATER SHEETS FOR WATER MAIN DESIGN
EX IN 4554-008
EX AS 4554-053
EX AS 4554-054
EX 21" STM (2007)
EX 8" PVC SAN
REM EX SAS 4654-014
SAS#5
ABN EX 6" SAN
EX 21" STM (2007)
EX 8" PVC SAN
CHANDLER ST
MATCHLINE STA 15+00.00

0709-224-2919-1
1402 VILAS AVE
MESSINA

0709-224-2920-8
314 S RANDALL AVE
RASMUSSEN

0709-224-2901-8
310 S RANDALL AVE
JENSEN FAMILY TRUST

0709-224-2926-9
306 S RANDALL AVE
LING

0709-224-3013-0
1334 VILAS AVE
COUTRE

0709-224-3012-2
309 S RANDALL AVE
DEROSE

0709-224-3011-4
305 S RANDALL AVE
AUGUSTINE

0709-224-3010-6
301 S RANDALL AVE
DUSZYNSKI

CONTRACTOR SHALL REM & REP DRIVEWAYS, SIDEWALK, AND CURB AS NEEDED FOR SANITARY SEWER LATERALS, STORM SEWER INLETS, STORM SEWER LATERALS, AND STORM SEWER MAIN. (MAX. OF 4 SW SQUARES PER LATERAL &20 FEET OF CURB & GUTTER FOR EACH LATERAL)

CONTRACTOR SHALL CONTACT RAY SCHNEIDER AT MMSD (608) 347-3628 OR RAYS@MADSEWER.ORG 5 DAYS PRIOR TO ANY WORK ON MMSD ACCESS STRUCTURES.

4554-030
10+52.2 RT-2.34'
RIM=862.63
EI(N)=847.98(10")
EI(W)=850.08 (8")
EI(S)=848.02 (10")

EX SAS #4554-001
STA 10+61.35 RT 1.34'
RIM=863.75
EI(S)=848.92 (8")
EI(N)=849.00 (8")
EI(E)=851.13 (8")
EI(W)=850.95 (8")

EX MH08-117
STA 10+52.32; RT-9.23
RIM=862.18
EI(S)=842.63 (42")
EI(N)=842.78 (42")
EI(W)=847.68 (10")

SAS #6
STA 11+99.90 RT 0'
RIM=863.67
EI(S)=853.42 (8"PVC)
EI(N)=853.52 (8"PVC)

SAS #7
STA 13+67.98 RT 0'
RIM=866.49
EI=855.00

SAS #5
STA 14+64.96 LT 4.75'
RIM=868.50
EI(E)=857.25 (8"PVC)
EI(W)=857.90 (8"PVC TAP)

SEE WATER UTILITY PLANS FOR WATER MAIN DESIGN

EX 8" PVC SAN @3.22%
REM EX 8" SAN
REM EX 6" SAN
168'-8"PVC@0.88%
EX 21" STM
ABN EX 6" SAN

REM EX SAS #4554-013
STA 12+30 RT 0'
RIM=864.08
EI(S)=854.31 (8" PVC)
EI(N)=854.41 (6")

REM EX SAS #4654-018
STA 13+64.33 RT 1.04'
RIM=866.39
EI=856.54

REM EX SAS #4654-014
STA 14+65 LT 4.75'
RIM=868.50
EI(E)=857.25 (8"PVC)
EI(W)=857.90 (8"PVC)
EI(N)=857.78 (6")

EX 42" RCP MMSD

885 880 875 870 865 860 855 850 845

10+00 11+00 12+00 13+00 14+00 15+00

FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847STM-PnP1.dgn

DATE: 3/11/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. U-2

PLAN AND PROFILE

RANDALL AVE — CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

0709-224-2417-5
1402 CHANDLER ST
SCHULTZ TRUST

0709-224-2418-3
218 S RANDALL AVE
ARENDS

0709-224-2419-1
214 S RANDALL AVE
HAYNES & DEVRIES

0709-224-2420-8
210 S RANDALL AVE
RANDALL APS LLC

0709-224-2421-6
206 S RANDALL AVE
RANDALL APTS LLC

0709-224-2422-4
202 S RANDALL AVE
SCHLUTER

SEE WATER SHEETS FOR WATER MAIN DESIGN

*REVISED 6-19-15 CCS

SITE REDEVELOPED
2014-2015
FIELD VERIFY LATERALS

0709-224-1111-4

ABN EX 6" SAN

SAS#14

127'-8"PVC@0.55%

5'-8"PVC @4.00%

SAS#13

S RANDALL AVE

4" PL GAS

RS-12
S-22
P-22
RP-16
P-21
S-20
RS-10
S-21
RS-11
RP-15
LS SUMP

ADJ EX SAS MH08-118

REM EX SAS 4654-016

17+00

91'-8"PVC@2.53%

SAS#4

18+00

EX 42" MMSD SAN

EX 18" RCP (2007)

EX 8" PVC SAN

0709-224-2310-1
213 S RANDALL AVE
BORMETT

0709-224-2309-4
209 S RANDALL AVE
BORMETT

0709-224-2308-6
1337 MOUND ST
JOHNSTAD

MOUND ST

19+00

REM EX SAS 4553-032

141'-8"PVC @3.94%

SAS#3

REM EX 6" SAN

REPLACE LAT TO CURB ONLY

0709-224-1808-7
1342 MOUND ST
MOUND ST HOUSING CO-OP

0709-224-2312-7
1332 CHANDLER ST
TREICHEL

0709-224-2311-9
215 S RANDALL AVE
KIRCHER

CONTRACTOR SHALL REM & REP DRIVEWAYS, SIDEWALK, AND CURB AS NEEDED FOR SANITARY SEWER LATERALS, STORM SEWER INLETS, STORM SEWER LATERALS, AND STORM SEWER MAIN. (MAX. OF 4 SW SQUARES PER LATERAL &20 FEET OF CURB & GUTTER FOR EACH LATERAL)

CONTRACTOR SHALL CONTACT RAY SCHNEIDER AT MMSD (608) 347-3628 OR RAYS@MADSEWER.ORG 5 DAYS PRIOR TO ANY WORK ON MMSD ACCESS STRUCTURES.

EX MH08-118
STA 16+61.50; RT-7.50
RIM=864.78
EI(S)=844.59 (42")
EI(N)=844.64 (42")
EI(W)=855.00 (8") TAP; INSIDE DROP PER MMSD SPECS
EI(E)=849.58 (8")

SAS #13
W/INTERNAL CHIMNEY SEAL
STA 16+58.89 RT 0'
RIM=864.80
EI(E)=855.20
EI(S)=855.30
EI(N)=855.70

SAS #14
STA 15+31.93 RT 0'
RIM=866.61
EI=856.00

SAS #4
STA 17+50.09 RT 0'
RIM=866.41
EI=858.00

REM EX SAS #4553-032
STA 19+65 RT 0'
RIM=864.80
EI=855.19 (8")
EI=855.22 (LAT)
EI=856.91 (LAT)

REM EX 6" SAN

ABN EX 6" SAN

127'-8"PVC@0.55%

5'-8"PVC@4.00%

91'-8"PVC@2.53%

REM EX SAS #4654-016
STA 17+30 RT 5'
RIM=865.60
EI(S)=858.76 (6")
EI(E)=859.02 (LAT)

SEE WATER UTILITY PLANS FOR WATER MAIN DESIGN

141'-8"PVC@3.94%

SAS #3
STA 19+52.95 RT 0'
RIM=865.29
EI=854.50

EX 42" RCP MMSD

EX 42" RCP MMSD

885 880 875 870 865 860 855 850 845

15+00 16+00 17+00 18+00 19+00 20+00

FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847STM-PnP2.dgn

DATE: 6/19/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. U-3
PLAN AND PROFILE	
RANDALL AVE	CITY OF MADISON

*REVISED 6-19-15 CCS

MATCHLINE STA 20+00.00

MATCHLINE STA 25+00.00

SITE REDEVELOPED
2014-2015
FIELD VERIFY LATERALS

EX 12" RCP@1.2%
PVT STM TO REMAIN (2014)
RECONNECT PVT STM
(INCIDENTAL TO INLET)

EX PVC LAT
TO REMAIN

SEE WATER SHEETS
FOR WATER MAIN
DESIGN

REM EX SAS
141'-8"PVC@3.94%

SAS#12

S RANDALL AVE

EX 18" RCP
(2001)

EX 42" MMSD SAN

REPLACE
LAT TO
CURB ONLY

REPLACE
LAT TO
CURB ONLY

2" PVC ELEC

REM EX SAS
4553-033

REM EX 6" SAN

159'-8"PVC@0.40%

7'-8"PVC@9.86%

STM EASEMENT

EX 34"X57" CMP

ADJ DOUBLE
H INLET

EX 8" AC SAN

EX SAS
4553-029

EX AS
4553-029

EX 4'X17' STM BOX

MILTON ST

ADJ EX MSD
MH08-119

EX TRIPLE
34"X57" CMP

EX 10" C.I. SAN

REM EX SAS
4553-037

ADJ EX SAS
4553-038

94'-8"PVC@0.28%

SAS#11

SAS#10

2" PL GAS

REM EX 6" SAN

REM EX 8" VP SAN

294'-8"PVC@0.28%

REM EX SAS
4553-036

EX 42" MMSD SAN

4" PL GAS

S RANDALL AVE

ST JAMES CT

0709-224-1114-8
114 S RANDALL AVE
GORDON

0709-224-1115-6
108 S RANDALL AVE
MADISON HISTORICAL PROP LLC

0709-224-1116-4
104 S RANDALL AVE
MADISON HISTORICAL PROP LLC

0709-224-1101-5
102 S RANDALL AVE
WINGRA SPRINGS
PROP LLC

0709-224-0437-5
1504 ADAMS ST
VILAS LLC

0709-224-0438-3
1502 ADAMS ST
LANGLOIS II

0709-224-0439-1
20 S RANDALL AVE
20 SOUTH LLC

0709-224-1807-9
117 S RANDALL AVE
KELENY

0709-224-1714-6
115 S RANDALL AVE
CAMPUS COTTAGE LLC

0709-224-1713-8
111 S RANDALL AVE
VILAS PROPERTIES LLC

0709-224-1712-0
109 S RANDALL AVE
COUTRE

0709-224-1711-2
103 S RANDALL AVE
L ELSIE LLC

0709-224-1214-6
39 S RANDALL AVE
TWIN RODNEYS LLC

0709-224-1213-8
37 S RANDALL AVE
KELENY

0709-224-1212-0
29 S RANDALL AVE
RANDALL COTTAGE LLC

0709-224-1211-2
25 S RANDALL AVE
KELENY

0709-224-1210-4
21 S RANDALL AVE
LASEK

- SEWER LATERAL BACKFLOW PREVENTER LOCATION. RECTOR CLEAN SEAL WITH HD SUPPLY MODEL #SC60 CAST IRON CLEANOUT COVER OR APPROVED EQUIVALENT.

SEWER LATERALS AT 39, 37, 29, 25, 21, 17, 11 AND 9 S RANDALL AVE SHALL BE CONNECTED DIRECTLY TO MMSD INTERCEPTOR. FIELD CORE INTERCEPTOR AND CONNECT WITH CORE AND SEAL BOOT. INSTALL BACKFLOW PREVENTER AT LOCATION SHOWN ON PLANS. LATERALS SHALL BE INSTALLED AT 1% SLOPE. CONTRACTOR SHALL OBTAIN REQUIRED MMSD PERMIT AND CONTACT RAY SCHNEIDER AT MMSD (608) 347-3628 OR RAYS@MADSEWER PRIOR TO MAKING LATERAL CONNECTIONS. INSTALL FROST SLEEVE ON BACKFLOW PREVENTER RISER PER STATE CODE SPS.382.35(5)(a)2.

CONTRACTOR SHALL CONTACT RAY SCHNEIDER AT MMSD (608) 347-3628 OR RAYS@MADSEWER.ORG 5 DAYS PRIOR TO ANY WORK ON MMSD ACCESS STRUCTURES.

CONTRACTOR SHALL REM & REP DRIVEWAYS, SIDEWALK, AND CURB AS NEEDED FOR SANITARY SEWER LATERALS, STORM SEWER INLETS, STORM SEWER LATERALS, AND STORM SEWER MAIN. (MAX. OF 4 SW SQUARES PER LATERAL &20 FEET OF CURB & GUTTER FOR EACH LATERAL)

ADJ EX MH08-119
STA 22+52.56; RT-9.50'
RIM=854.24
EI(S)=844.59 (42")
EI(N)=844.64 (42")
EI(W)=846.64 (6")- PLUG
EI(N)=848.24 (8")
EI(E)=846.29 (10")
EI(W)=847.42 (8")-TAP

ADJ EX SAS #4553-038
STA 22+95.53 RT 0.34'
RIM=853.97
EI(S)=847.32 (10")
EI(N)=848.32 (8") TAP
EI(W)=847.42 (8")
EI(E)=848.32 (4" LAT) TAP
RECONSTRUCT BENCH AND FLOWLINES

SAS #2
W/INTERNAL CHIMNEY SEAL
SEAL JOINTS
STA 22+52.61 RT 0'
RIM=854.06
EI(S)=848.21
EI(E)=848.11
EI(W)=849.00 (LAT, TAP)

REM EX SAS #4553-033
STA 22+60.10 RT 1'
RIM=854.07
EI=848.49 (8")
EI=848.52 (6")
EI=849.62 (LAT) TAP

SAS #10
WITH INTERNAL CHIMNEY SEAL
SEAL BARREL JOINTS
STA 23+90.79 RT 0'
RIM=853.38
EI(S)=847.58
EI(N)=847.58
EI(W)=847.68

REM EX SAS #4553-036
STA 24+01.98 RT 0'
RIM=853.71
EI(S)=847.71
EI(N)=847.71
EI(E)=848.01- LAT
EI(W)=848,46 (6")

REM EX SAS
STA 20+28.75 RT-0'
RIM=860.16
EI=854.30
(NO CITY ID#)

SAS #12
STA 20+93.61 RT 0'
RIM=857.01
EI(N)=848.85
EI(S)=848.95

REM EX 6" SAN

141'-8"PVC@3.94%

159'-8"PVC@0.40%

7'-8"PVC@9.86%

EX 42" RCP MMSD

4" ELEC

EX 10"
C.I. SAN

EX TRIPLE
34"X57" CMP
(SAVE)

UNDER P-51& CMP JUNCTION
PLACE CONCRETE SUPPORTS
PER S.D.D. 5.8.1.

102'-12"RCP@0.51%

94'-8"PVC@0.28%

EX 42" RCP MMSD

REM EX 8" SAN

206'-18"RCP@0.02%

4" GAS

294'-8"PVC@0.28%

SEE WATER UTILITY PLANS
FOR WATER MAIN DESIGN

875 870 865 860 855 850 845 840 835

20+00 21+00 22+00 23+00 24+00 25+00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

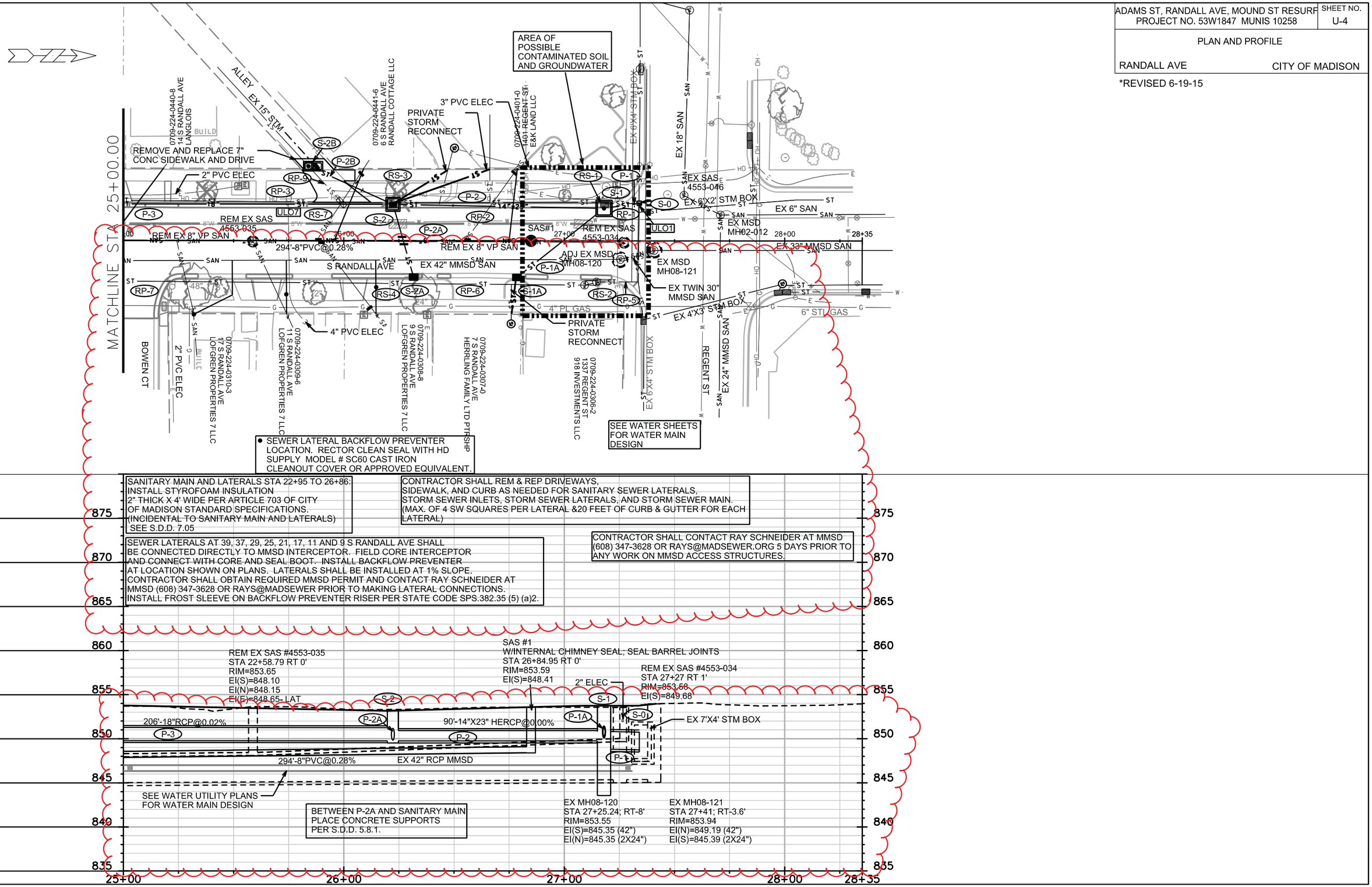
FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847STM-PnP3.dgn

DATE: 6/19/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. U-4
PLAN AND PROFILE	
RANDALL AVE	CITY OF MADISON

*REVISED 6-19-15

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



FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847STM-PnP4.dgn DATE: 6/19/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. U-5
PLAN AND PROFILE	
ADAMS ST	CITY OF MADISON

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

SEE PAGE U-7
INTERSECTION STORM
SEWER DESIGN

SEE PAGE RG-1
FOR RAIN GARDEN
DETAILS

CONTRACTOR SHALL REM & REP DRIVEWAYS,
SIDEWALK, AND CURB AS NEEDED FOR SANITARY SEWER LATERALS,
STORM SEWER INLETS, STORM SEWER LATERALS, AND STORM SEWER MAIN.
(MAX. OF 4 SW SQUARES PER LATERAL &20 FEET OF CURB & GUTTER FOR EACH
LATERAL)

ADJ EX SAS #4553-001
STA 65+29.97 RT 0'
RIM=856.61
EI(E)=851.65 (8")
EI(W)=851.75 (6")

ADJ EX SAS #4553-002
STA 65+65.16 RT 21.50'
RIM=856.99
EI(E)=849.39 (8")
EI(S)=850.29 (8")
EI(W)=850.20 (8")

ADJUST EX STM STRUCTURES
4553-080
4553-079
4553-078
HYDRO EXCAVATE
SLURRY CHIMNEY AND PIPE
(SEE BID ITEM 90030)

EX SAS #4553-030
STA 68+41.24 RT 28.80'
RIM=855.95
EI(E)=849.35 (8")
EI(W)=849.37 (8")
EI(S)=849.40 (LAT)

ADJUST EX STM STRUCTURES
4553-081
4553-082
4553-083
HYDRO EXCAVATE
SLURRY CHIMNEY AND PIPE
(SEE BID ITEM 90030)

EX TRIPLE
34"X57" CMP

EX 8" AC SAN

SEE WATER UTILITY PLANS
FOR WATER MAIN DESIGN

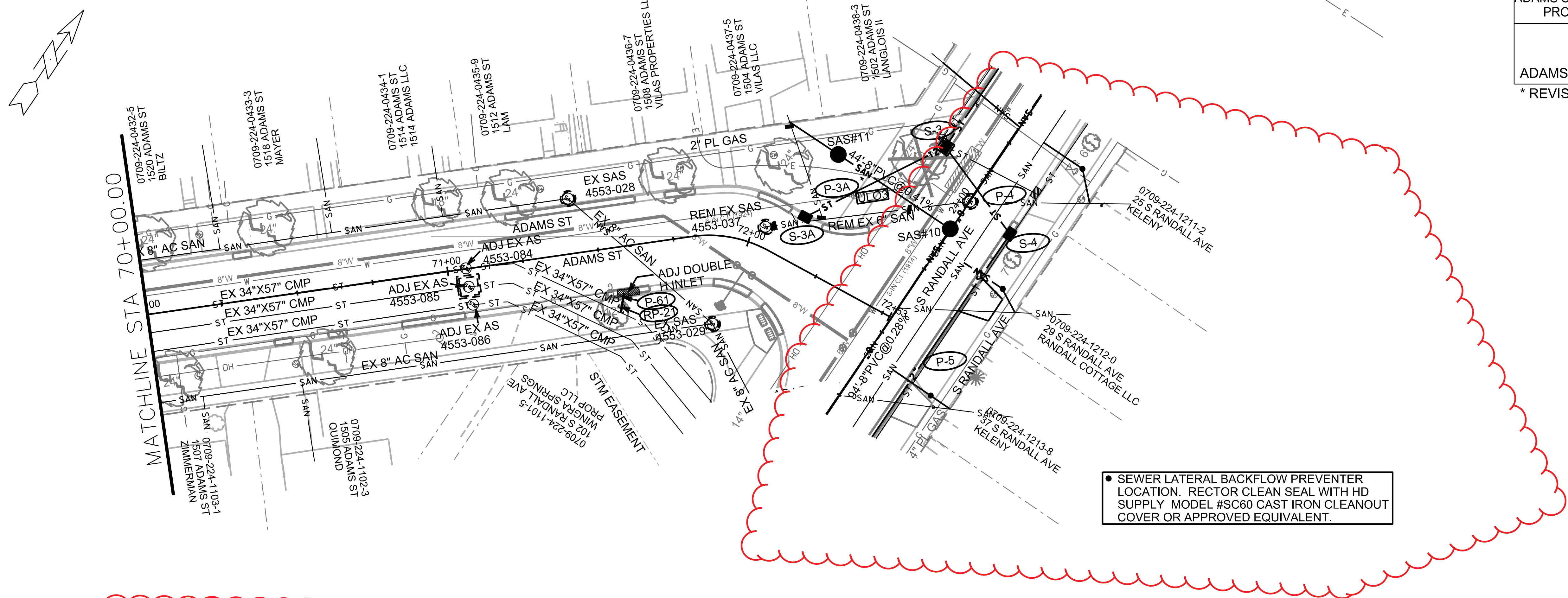
MATCHLINE STA 70+00.00

FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847STM-PnP5.dgn

DATE: 3/11/2015

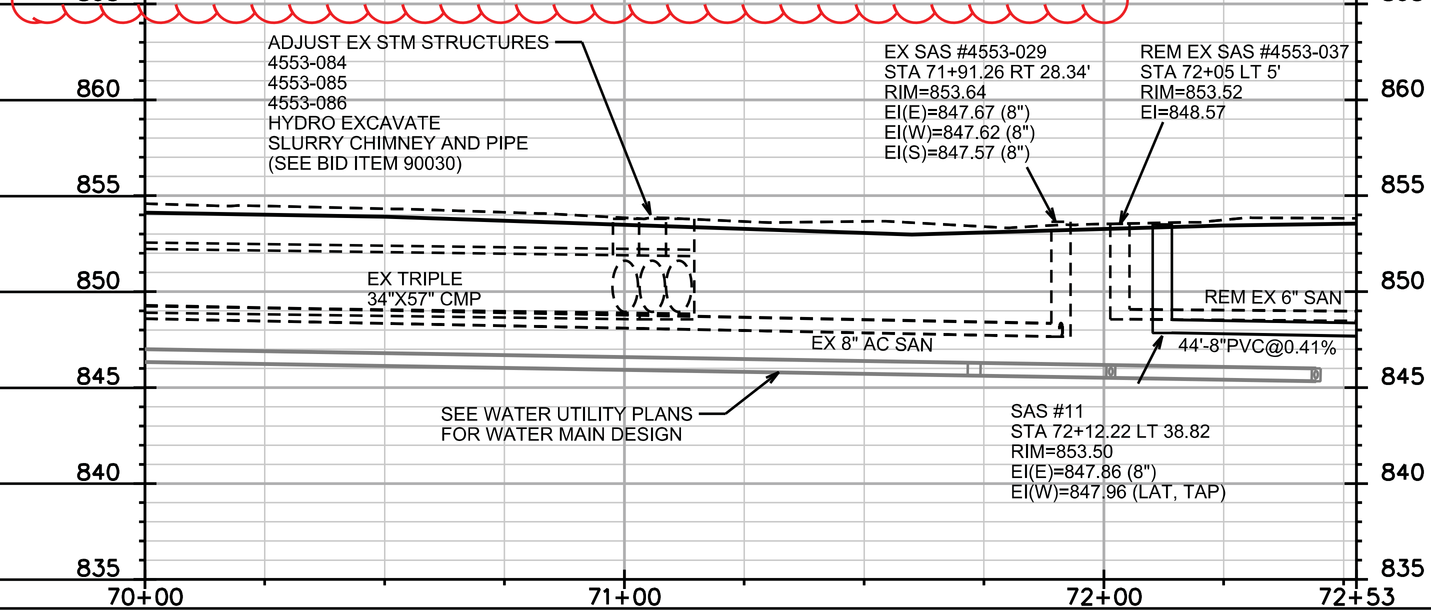
ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. U-6
PLAN AND PROFILE	
ADAMS ST CITY OF MADISON	

* REVISED 6-19-15 CCS



CONTRACTOR SHALL REM & REP DRIVEWAYS, SIDEWALK, AND CURB AS NEEDED FOR SANITARY SEWER LATERALS, STORM SEWER INLETS, STORM SEWER LATERALS, AND STORM SEWER MAIN. (MAX. OF 4 SW SQUARES PER LATERAL &20 FEET OF CURB & GUTTER FOR EACH LATERAL)

SEWER LATERALS AT 39, 37, 29, 25, 21, 17, 11 AND 9 S RANDALL AVE SHALL BE CONNECTED DIRECTLY TO MMSD INTERCEPTOR. FIELD CORE INTERCEPTOR AND CONNECT WITH CORE AND SEAL BOOT. INSTALL BACKFLOW PREVENTER AT LOCATION SHOWN ON PLANS. LATERALS SHALL BE INSTALLED AT 1% SLOPE. CONTRACTOR SHALL OBTAIN REQUIRED MMSD PERMIT AND CONTACT RAY SCHNEIDER AT MMSD (608) 347-3628 OR RAYS@MADSEWER PRIOR TO MAKING LATERAL CONNECTIONS. INSTALL FROST SLEEVE ON BACKFLOW PREVENTER RISER PER STATE CODE SPS.382.35(5)(a)2.



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

FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847STM-PnP6.dgn DATE: 6/19/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. U-7
PLAN AND PROFILE	
MOUND ST	CITY OF MADISON

* REVISED 6-19-15

CONTRACTOR SHALL REM & REP DRIVEWAYS, SIDEWALK, AND CURB AS NEEDED FOR SANITARY SEWER LATERALS, STORM SEWER INLETS, STORM SEWER LATERALS, AND STORM SEWER MAIN. (MAX. OF 4 SW SQUARES PER LATERAL &20 FEET OF CURB & GUTTER FOR EACH LATERAL)

SAS#24
STA 50+80.69 RT 1.85'
RIM=858.54
EI(NW)=851.60 (8")
EI(S)=851.86 (8")-TAP
EI(E)=852.01 (6")
EI(E)=851.70 (8")

ADJ EX SAS #4553-002
STA 65+65.16 RT 21.5'
RIM=856.99
EI(W)=850.20
EI(SE)=850.29
EI(NE)=849.39

REM EX SAS #4554-024
STA 50+80.69 RT 1.85'
RIM=858.90
EI(NW)=851.60 (8")
EI(S)=851.86 (8")
EI(E)=852.01 (6")
EI(E)=851.70 (8") TAP

REM EX STANDPIPE
4554-026
(PAVED OVER)

SAS #9
STA 54+50.02 RT 0'
RIM=870.67
EI=858.50

REM EX SAS #4554-025
STA 54+32.76 RT 0'
RIM=870.80
EI(W)=857.97 (6")
EI(E)=859.02 (6")
EI(2)=862.85 LAT

SEE WATER UTILITY PLANS FOR WATER MAIN DESIGN

REM EX 6" SAN

370'-8"PVC@1.84%

83'-12" RCP@2.64%

EX 8" PVC SAN

880 875 870 865 860 855 850 845 840

50+00 51+00 52+00 53+00 54+00 55+00

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

FILE NAME: M:\DESIGN\Projects\53W1847\Storm\Design\53W1847STM-PnP7.dgn DATE: 6/19/2015

SANITARY SEWER SCHEDULE

* REVISED 6-18-15 CCS

RANDALL/ADAMS/MOUND	SHEET NO.
PROJECT NO. 53W1847	U-8
SANITARY SEWER SCHEDULE	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

	SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
	S RANDALL AVE						
	SAS #1	26+84.95	RT-0'	853.59	848.41	5.18	W/INTERNAL CHIMNEY SEAL; SEAL JOINTS
*	SAS #2	22+52.61	RT-0'	**854.06**	848.11	5.95	W/INTERNAL CHIMNEY SEAL; SEAL JOINTS
*	SAS #3	19+52.95	RT-0'	**865.29**	854.50	10.79	
	SAS #4	17+50.09	RT-0'	866.41	858.00	8.41	
*	SAS #5	14+64.96	LT-4.75	**868.04**	857.25	10.79	(2)
	SAS #6	11+99.90	RT-0'	863.67	853.42	10.25	
	SAS #7	13+67.98	RT-0'	**866.17**	855.00	11.17	
	SAS #10	23+90.79	RT-0'	853.38	847.58	5.80	W/INTERNAL CHIMNEY SEAL; SEAL JOINTS
	SAS #12	20+93.61	RT-0'	857.01	848.85	8.16	
	SAS #13	16+58.89	RT-0'	864.80	855.20	9.60	W/INTERNAL CHIMNEY SEAL
	SAS #14	15+31.93	RT-0'	866.61	856.00	10.61	
	ADAMS ST						
	SAS #11	72+12.22	LT-38.82	853.50	847.86	5.64	SEAL JOINTS
	MOUND ST						
*	SAS #9	54+50.02	RT-0'	**870.67**	858.50	12.17	
*	**SAS #24**	**50+80.69**	**RT-1.85**	**858.54**	**851.70**	**6.84**	

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
4553-038	SAS #10	94	847.32	847.58	0.28%	8"	SDR 35	TAP; RECONSTRUCT BENCH &FL
MH08-119	SAS #2	7	847.42	848.11	9.86%	8"	SDR 35	TAP;(1)
SAS #12	SAS #3	141	848.95	854.50	3.94%	8"	SDR 35	
SAS #6	SAS #7	168	853.52	855.00	0.88%	8"	SDR 35	
SAS #10	SAS #11	44	847.68	847.86	0.41%	8"	SDR 35	
SAS #10	SAS #1	294	847.58	848.41	0.28%	8"	SDR 35	
SAS #2	SAS #12	159	848.21	848.85	0.40%	8"	SDR 35	
4554-024	SAS #9	370	851.70	858.50	1.84%	8"	SDR 35	TAP; RECONSTRUCT BENCH &FL
MH08-118	SAS #13	5	855.00	855.20	4.00%	8"	SDR 35	(1); INSIDE DROP EI=855.00,EI= 848.00
SAS #13	SAS #4	91	855.70	858.00	2.53%	8"	SDR 35	
SAS #13	SAS #14	127	855.30	856.00	0.55%	8"	SDR 35	

SANITARY STRUCTURE REMOVALS

	SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	EX EI	DEPTH	NOTES
	4553-034	27+27.00	RT-1.00	853.58	849.68	3.90	REMOVE
	4553-035	25+58.79	RT-0'	853.65	848.10	5.55	REMOVE
	4553-036	24+01.98	RT-0'	853.71	847.71	6.00	REMOVE
	4553-033	22+60.10	RT-1.00	854.07	848.49	5.58	REMOVE
	4553-032	19+65.00	RT-0'	864.80	855.19	9.61	REMOVE
	4654-016	17+30.00	RT-5.00	865.60	858.76	6.84	REMOVE
	4654-014	14+65.00	LT-4.75	868.50	857.25	11.25	REMOVE; (2)
	4654-018	13+64.33	RT-1.04	866.39	856.54	9.85	REMOVE
	4554-013	12+30.00	RT-0'	864.08	854.31	9.77	REMOVE
	4554-026	54+40.00	RT-.28	870.80	858.00	12.80	REMOVE STANDPIPE
	4554-025	54+32.76	RT-0'	870.78	857.97	12.81	REMOVE
	4554-024	50+80.69	RT-1.85	858.90	851.60	7.30	REMOVE
	4553-037	72+05.00	LT-5.00	853.52	848.57	4.95	REMOVE
	N/A	20+30.00	RT-0'	860.00	850.50	9.50	REMOVE
*	**4554-024**	**50+80.69**	**RT-1.85**	**858.90**	**851.70**	**7.20**	**REMOVE**

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)		NOTES
4553-034	4553-035	169	Y/N	8"	REMOVE	39' PAID; 27+27 TO 26+86
4553-035	4553-036	156	N	8"	REMOVE	
4553-036	4553-038	106	N	8"	REMOVE	
4553-036	4553-037	68	Y/N	6"	REMOVE	18' PAID 23+98 RT-0 TO 23+87 LT-16
4553-033	4553-032	295	N	6"	REMOVE	
4654-016	4654-014	264	Y/N	6"	REMOVE	70' PAID 16+58 TO 17+50
4654-018	4554-013	134	N	6"	REMOVE	
4554-026	4554-025	10	N	6"	REMOVE	
4554-025	4554-024	352	N	6"	REMOVE	
SAS#7	4554-013	30	N	8"	REMOVE	
SAS #5	SAS #14	63	N	6"	ABANDON WITH PLUGS	

SANITARY STRUCTURE ADJUSTMENTS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	PROP TOC	ADJUST AMOUNT (IN)	AVAILIBLE ADJUSTMENT (IN)	STRUCTURE TYPE	NOTES
4553-038	22+95.53	RT-.34	853.97	853.88	1.08	12	PRECAST 4'R FLAT TOP	ADJUST
MH08-118	16+61.50	RT-7.50	864.78	864.46	3.84	24	PRECAST 5'R	ADJUST; NEW CASTING PROVIDED BY MMSD; CONTACT RAY SCHNEIDER (608) 347-3628 5 DAYS PRIOR TO ANY WORK ON STRUCTURE
MH08-119	22+52.56	RT-9.50	854.24	853.85	4.68	4	PIP, 4'X6'	ADJUST; NEW CASTING PROVIDED BY MMSD; CONTACT RAY SCHNEIDER (608) 347-3628 5 DAYS PRIOR TO ANY WORK ON STRUCTURE
MH08-120	27+25.24	RT-8.00	853.55	853.56	-0.12	1	PIP, 4'X6'	ADJUST; NEW CASTING PROVIDED BY MMSD; CONTACT RAY SCHNEIDER (608) 347-3628 5 DAYS PRIOR TO ANY WORK ON STRUCTURE
4553-001	65+29.97	RT-0'	856.61	856.59	0.24	3	PRECAST 4'R	ADJUST
4553-002	65+65.16	RT-21.50	856.99	856.84	1.80	12	PRECAST 4'R	ADJUST

SPECIFIC NOTES

(1) STRUCTURE TAP AND DROP CONNECTIONS SHALL BE INSPECTED AND APPROVED BY MMSD AND SHALL MEET ALL CONNECTION CRITERIA
CONTACT RAY SCHNEIDER AT (608) 347-3628 5 DAYS PRIOR TO ANY WORK
TAP FEE ($950) IS RESPONSIBILITY OF CONTRACTOR

(2) FIELD VERIFY CONDITION AND CONSTRUCTABILITY OF EXISTING SAS PRIOR TO SUBMITTING PRE CAST DRAWING FOR REPLACMENT STRUCTURE SAS#5

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

FILE NAME: M:\DESIGN\PROJECTS\53W1847\STORM\SAN SCHEDULE RANDALL.XLS DATE: 06/18/2015 SCALE: NTS

STORM SEWER SCHEDULE

*REVISED 6-19-15 CCS

RANDALL/ADAMS/MOUND	SHEET NO.
PROJECT NO. 53W1847	U-9
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES	
	S RANDALL AVE								
	S-0	27+33.00	LT-16.70	TAP	---	848.74	---		
	S-1	27+18.00	LT-16.70	6X6 CB W/SNOUT	853.72	848.80	4.92	FP; (3); (5)	
	S-1A	26+78.50	RT-16.70	H INLET	853.50	850.50	3.00	LP; FP; W/R-3067-7004-VB; (1)	*
*	S-2	26+22.00	LT-16.70	5X5 SAS	853.00	**849.75**	**3.25**	LP; FP; W/3067-7004-VB; (1); (9)	
	S-2A	26+31.50	RT-16.70	H INLET	853.26	850.25	3.01	LP; FP; W/R-3067-7004-VB; (9)	*
*	S-2B	25+87.60	LT-33.50	3X6 SAS	853.11	**850.00**	**3.11**	**FP; (4); (6)**	*
	S-3	24+12.25	LT-16.70	3X3 SAS	853.55	849.80	3.75	LP;FP; W/3067-7004-VB	
	S-4	24+00.00	RT-16.70	H INLET	853.20	850.16	3.04	LP; FP; W/3067-7004-VB; (1)	
	S-5	22+95.37	RT-16.70	H INLET	853.67	850.68	2.99	LP; FP; W/3067-7004-VB; (1)	
	S-20	16+77.00	RT-23.50	H INLET	864.91	860.57	4.34	W/1878-B7L	
	S-21	16+81.00	RT-18.00	TERRACE INLET TYP III	864.28	860.70	3.58	FP; SEE S.D.D.5.7.12B	
	S-22	16+52.80	LT-15.00	H INLET	865.35	862.15	3.20	LP;3067-7004-VB	
*	S-50	22+73.30	RT-0	TAP	---	**849.50**	---	W/ MARKER BALL; (11)	
*	S-51	22+64.00	LT-4.00	3X3 SAS	853.91	**849.50**	4.41	W/1550-0054	
	S-51A	22+64.00	LT-16.50	H INLET	853.50	850.30	3.20	LP; W/3067-7004-VB	
	S-52	22+24.50	LT-4.00	3X3 SAS	854.05	850.20	3.85	W/1550-0054	
	S-52A	22+37.00	RT-20.75	H INLET	854.08	850.88	3.20	W/3067-7004-V	
*	S-53	21+05.80	LT-4.00	3X3 SAS	856.45	**851.24**	**5.21**	W/1550-0054	
	S-53A	21+02.00	LT-15.25	H INLET	856.83	853.00	3.83	W/3067-7004-V; (1)	
*	S-54	20+92.40	RT-16.50	EX SAS 4653-124	857.04	**852.66**	**4.38**	**TAP**	
	ADAMS ST								*
	S-3A	17+12.63	LT-15.50	H INLET	853.62	850.42	3.20	W/3067-7004-V	*
	MOUND ST								
*	S-30	**50+52.52**	**LT-44.08**	8" PIPE END	---	855.31	---		
	S-31	50+93.18	LT-17.88	H INLET	857.91	855.41	2.50	FP;(9);W/3067-7004-V	
	S-32	51+10.00	RT-15.30	H INLET	859.84	856.70	3.14	FP;W/3067-7004-V; (10)	
	S-34	50+19.00	RT-19.00	H INLET	856.51	854.26	2.25	FP;(9);W/3067-7004-V	
	S-35	50+91.55	RT-23.00	H INLET	859.44	856.60	2.84	FP;W/3067-7004-V	
	S-37	50+23.95	RT-20.50	H INLET	856.64	853.94	2.70	FP;W/3067-7004-V	
	S-38	50+40.00	RT-37.75	90 DEG VERT BEND	---	854.00	---	(7)	
	S-39	50+44.45	LT-43.26	8" PIPE END	---	855.31	---		
	S-40	50+24.78	LT-43.23	8" PIPE END	---	855.31	---		
	S-41	50+23.16	LT-38.36	90 DEG VERT BEND	---	854.00	---	(8)	

PROPOSED STORM PIPES

	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	PLAN LGTH (FT	PIPE LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
	P-1	S-0	S-1	16	13.0	848.74	848.80	0.46%	24"	RCP	STM TAP
	P-1A	S-1	S-1A	50	45.0	850.26	850.50	0.53%	12"	RCP	NCM
	P-2	S-1	S-2	95	90.0	**849.75**	**849.75**	**0.00%**	**14"x23"**	**HERCP**	
	P-2A	S-2	S-2A	34	30.0	**849.75**	**850.25**	**1.67%**	**12"**	**RCP**	NCM, W/CONC SUPPORTS
	P-2B	S-2	S-2B	42	38.0	**850.00**	**850.00**	**0.00%**	**12"**	RCP	NCM
	P-3	S-2	S-3	210	206.0	**849.75**	**849.80**	**0.02%**	18"	RCP	
	P-3A	S-3	S-3A	52	49.0	850.07	850.42	0.71%	12"	RCP	NCM
	P-4	S-3	S-4	35	32.0	849.95	850.16	0.66%	12"	RCP	NCM
	P-5	S-4	S-5	105	102.0	850.16	850.68	0.51%	12"	RCP	
	P-21	S-20	S-21	7	5.0	860.57	860.70	2.60%	18"	RCP	
	P-22	S-21	S-22	34	33.0	860.85	862.15	3.94%	12"	RCP	
	P-31	S-30	S-31	34	33.0	855.31	855.41	0.30%	8"	STM PIPE	
	P-32	S-31	S-32	37	34.0	855.41	856.70	3.79%	12"	RCP	NCM; (10)
	P-34	CMP	S-34	15	12.0	FIELD	854.26	FIELD	12"	STM PIPE	TAP
	P-35	S-34	S-35	86	83.0	854.41	856.60	2.64%	12"	RCP	
	P-36	S-35	S-32	20	17.0	856.60	856.70	0.59%	12"	STM PIPE	
	P-37	CMP	S-37	12	7.0	FIELD	853.94	FIELD	12"	STM PIPE	TAP
	P-38	S-37	S-38	23	22.5	853.94	854.00	0.27%	8"	STM PIPE	
	P-40	S-39	S-40	20	19.5	855.31	855.31	0.00%	8"	STM PIPE	
	P-41	S-37	S-41	18	16.5	853.94	854.00	0.36%	8"	STM PIPE	W/22.5 DEG BEND
*	P-51	S-50	S-51	11	9.0	**849.50**	**849.50**	**0.00%**	15"	RCP	NCM; TAP; (11)
*	P-51A	S-50	S-51A	12	10.0	**850.00**	**850.30**	**3.00%**	12"	RCP	NCM
	P-52	S-51	S-52	39	36.0	850.00	850.20	0.56%	15"	RCP	
	P-52A	S-52	S-52A	28	24.0	850.70	850.88	0.75%	12"	RCP	
*	P-53	S-52	S-53	119	116.0	**850.20**	**851.24**	**0.90%**	15"	RCP	
*	P-53A	S-53	S-53A	12	9.5	**852.24**	**853.00**	**8.00%**	12"	RCP	
*	P-54	S-53	S-54	24	21.0	**851.49**	**852.66**	**5.57%**	12"	RCP	
	P-60	CMP	4553-042	15	15.0	FIELD	FIELD	FIELD	12"	STM PIPE	TAP 65+49, RT-19.0
	P-61	CMP	EX DOUBLE INL	8	5.0	FIELD	FIELD	FIELD	15"	STM PIPE	TAP; 71+54, RT 21.50
	P-62	4553-081	4553-054	14	12.0	FIELD	FIELD	FIELD	12"	STM PIPE	TAP @ 4553-081

NOTE: PLAN LENGTH IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

SPECIFIC NOTES

(1) WITH TYPE II PRIVATE STORM RECONNECT
(2) W/ 3' SUMP BELOW LISTED INVERT
(3) PER S.D.D. 5.7.4; WITH 24F MODEL SNOUT STORMWATER TREATMENT DEVICE. 5' SUMP BELOW LISTED INVERT
(4) RECONNECT EX 15" VP STM @EI=850.09
(5) STRUCTURE HAS 2 CASTINGS. 3067 CASTING IN CURB LINE STATIONED, 1550 IN STREET.
(6) STRUCTURE SHALL HAVE CASTING 2262-L (CL OF ALLEY) SEE S.D.D. 5.7.33. CONNECT EX 15" STM OFFSET.
(7) WITH RISER PIPE. TOP OF RISER PIPE ELEV=856.5
(8) WITH RISER PIPE. TOP OF RISER PIPE ELEV=855.8
(9) STRUCTURE DEPTH MAY REQUIRE PIPE WALLS BE POURED INTEGRAL TO STRUCTURE ROOF
(10) INSTALL TEMPORARY PLUG IN P-32 AT S-32
(11) WITH CONCRETE PIPE SUPPORTS AT TAP

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 COREY OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO CSTELLJES@CITYOFMADISON.COM.

STORM SEWER REMOVAL SCHEDULE

* REVISED 6-18-15 CCS

RANDALL/ADAMS/MOUND	SHEET NO.
PROJECT NO. 53W1847	U-10
STORM REMOVAL SCHEDULE	
CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RS-1	IN 4553-005	27+18.00	LT-18.00	INLET	REMOVE
RS-2	AS 4653-028	27+12.00	RT-19.00	4x6 SAS	REMOVE
RS-3	IN 4553-059	26+22.00	LT-17.00	INLET	REMOVE
RS-4	IN 4653-043	26+31.00	RT-17.00	INLET	REMOVE
RS-5	IN 4653-042	24+16.00	RT-17.00	INLET	REMOVE
RS-6	IN 4553-058	24+12.00	LT-17.00	INLET	REMOVE
RS-7	AS 4553-006	25+97.00	LT-18.00	SAS	REMOVE
RS-10	AS 4654-004	16+77.00	RT-23.50	5x7 SAS	REMOVE
RS-11	IN 4654-005	16+81.00	RT-17.00	INLET	REMOVE
RS-12	IN 5554-002	16+52.80	LT-17.00	INLET	REMOVE
RS-14	IN 4553-043	50+19.00	RT-19.00	INLET	REMOVE
RS-15	IN 4554-001	50+91.55	RT-23.00	INLET	REMOVE
RS-16	IN 4553-044	50+23.95	RT-20.50	INLET	REMOVE
RS-17	IN 4553-036	22+63.00	LT-16.50	INLET	REMOVE
RS-18	IN 4553-035	22+38.00	RT-22.00	INLET	REMOVE
RS-20	IN 4653-034	22+91.00	RT-16.50	INLET	REMOVE

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1	S-0	RS-1	12	15"	VP	N	REMOVE; PATCH BOX (PLUG)
RP-2	RS-1	RS-3	91	15"	VP	Y	REMOVE
RP-3	RS-3	RS-6	206	15"	VP	N	REMOVE
RP-4	RS-5	RS-6	34	12"	VP	Y	REMOVE
RP-5	BOX	RS-2	15	15"	VP	Y	REMOVE
RP-6	RS-2	RS-5	289	15"	VP	N	ABANDON WITH PLUGS
RP-7	RS-4	RS-5	211	15"	VP	N	ABANDON WITH PLUGS
RP-8	RS-5	4653-034	122	15"	VP	N	ABANDON WITH PLUGS
RP-9	RS-7	S-2B	18	15"	VP	Y	REMOVE
RP-14	CMP	S-34	13	12"	CMP	N	REMOVE
RP-15	RS-37	RS-35	86	12"	VP	Y	REMOVE
RP-16	CMP	EX INL	12	15"	CMP	N	REMOVE
RP-17	RS-17	EX CMP	15	12"	CMP	Y	REMOVE PATCH CMP (PLUG)
RP-18	RS-18	EX CMP	24	12"	CMP	Y	REMOVE
RP-19	RS-18	S-54	145	12"	VP	N	ABANDON WITH PLUGS
RP-20	S-53A	S-54	40	12"	RCP	Y	REMOVE
RP-21	CMP	EX INL	5	15"	CMP	N	REMOVE PATCH CMP (PLUG)
RP-22	CMP	EX INL	12	12"	CMP	N	REMOVE

STORM SEWER ULOs

	ULO NO.	STATION	LOCATION (OFFSET)	TYPE	ELEV TOP	ELEV BOTTOM	NOTES
*	**ULO-1**	**27+33.00**	**LT-16.70**	**STM BOX**	**853.02**	**847.32**	**NO CONFLICT**
*	**ULO-2**	**24+31.00**	**LT-16.50**	**4" PVC GAS**	**848.62**	**848.29**	**NO CONFLICT**
*	**ULO-3**	**23+90.00**	**LT-29.00**	**2X 1" PLASTIC ELEC**	**851.55**	**851.25**	**DIG AND PULL ELEC OVER STM**
*	**ULO-4**	**20+92.40**	**RT-16.50**	**STM SAS**			**STORM SEWER REVISED**
*	**ULO-5**	**50+95.00**	**LT-11.50**	**4" PVC ELEC**			**NO CONFLICT**
*	**ULO-6**	**50+70.00**	**RT-13.00**	**TEL**			**NO CONFLICT**
*	**ULO-7**	**25+74.00**	**LT-16.50**	**4" PVC ELEC**	**850.56**	**850.20**	**MG&E TO RELOCATE (CONTACT RICH PARKER 252-7379)**
*	**ULO-8**	**22+73.30**	**RT-0**	**EX CMP STM**	**851.75**	**849.01**	**STORM SEWER REVISED**
*	**ULO-102**	**27+18.00**	**LT-19.00**	**2" PVC ELEC**	**851.63**		**NO CONFLICT; USE CAUTION DURING EXCAVATION**
*	**ULO 101A**	**21+61.00**	**LT-4.00**	**4" PVC ELEC**	**852.83**		**NO CONFLICT**
*	**ULO-103A**	**26+05.00**	**LT-25.00**	**2" FO**	**851.14**	**850.62**	**STORM SEWER REVISED**
*	**ULO-103B**	**26+08.00**	**LT-22.00**	**2" FO**	**849.83**	**849.50**	**STORM SEWER REVISED**
*	**ULO-104A**	**27+23.00**	**LT-19.50**	**2" STL ELEC**	**852.33**		**NO CONFLICT**

RAIN GARDEN GRADING

MOUND ST

POINT	STATION	LOCATION (OFFSET)	ELEV
A	50+45.12	LT-53.19	855.31
B	50+44.26	LT-43.26	855.31
C	50+52.18	LT-43.64	855.31
D	50+24.41	LT-63.28	855.31
E	50+21.87	LT-39.11	855.31
F	50+24.73	LT-38.88	855.31

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 COREY STELLJES OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO CSTELLJES@CITYOFMADISON.COM.

ADAMS ST, RANDALL AVE, MOUND ST. RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. W-1

WATER PLAN AND PROFILE

S RANDALL AVE — CITY OF MADISON

VERIFY INTEGRITY OF EX. 8-IN VALVE
REPLACE ONLY IF AUTHORIZED BY ENGINEER

REPLACE C&G, AS NECESSARY
PROTECT EX. STORM INLET

STA 11+13.6 / 12.3'LT
CONNECT TO EX. 8X8 TEE
W/ 8-IN 45-DEG BEND
INSTALL 8-IN PLUG IN TEE
(INCIDENTAL TO CONNECT).
PROTECT EX. STORM INLET

STA 11+18.1 / 8.0'LT
8-IN 45-DEG BEND

STA 14+24.9 / 13.1'LT
CONNECT TO EX. 8X8 TEE
INSTALL 8X6 REDUCER AND TEMP
FLUSHING HYDRANT (INCIDENTAL)
PLUG TEE AFTER SAFE SAMPLE
HAS BEEN OBTAINED (INCIDENTAL)

SEE SHEET W-2

REPLACE C&G, AS NECESSARY

STA 14+21.9 / 13.1'LT
8-IN 45-DEG BEND

STA 14+16.8 / 8.0'LT
8-IN 45-DEG BEND

MATCHLINE STA 10+00.00

MATCHLINE STA 15+00.00

VILAS AVE

S RANDALL AVE

CHANDLER ST

0709-224-2919-1
1402 VILAS AVE
MESSINA

0709-224-2920-8
314 S RANDALL AVE
RASMUSSEN

0709-224-2901-8
310 S RANDALL AVE
JENSEN FAMILY TRUST

0709-224-2902-6
306 S RANDALL AVE
ZING

0709-224-3013-0
1334 VILAS AVE
COUTRE

0709-224-3012-2
309 S RANDALL AVE
DEROSE

0709-224-3011-4
305 S RANDALL AVE
AUGUSTINE

0709-224-3010-6
301 S RANDALL AVE
DUSZYNSKI

WN2 1-IN

WN8

PROVIDE & MAINTAIN TEMPORARY WATER SERVICE
SEE SHEETS W-13-W-14 AND SPECIAL PROVISIONS.
ABANDON & REMOVE EX. 8-IN WM (INCIDENTAL)

VERIFY INTEGRITY OF EX. 8-IN VALVE
REPLACE ONLY IF AUTHORIZED BY ENGINEER

SEE SHEET W-2

GENERAL WATER MAIN PROFILE REQUIREMENTS:
INSULATE ALL STORM SEWER CROSSINGS AND AREAS WITH LESS THAN 6-FT BURY DEPTH (TYP.).
MIN. 18-IN CLEARANCE WHEN CROSSING BELOW SEWERS.
MIN. 6-IN CLEARANCE WHEN CROSSING ABOVE SEWERS.

8-IN 45-DEG BEND (CONNECT TO EX. WM)
8-IN 45-DEG BEND
8-IN WATER MAIN
SEE UTILITIES SHEETS FOR SAN. SEWER INFO
8-IN 45-DEG BEND (CONNECT TO EX. WM)
TEMP FLUSHING HYD. / PLUG 8-IN TEE
EX 8-IN WM (FIELD VERIFY ELEVATIONS)
CONNECT TO EX. 8X8 TEE
8-IN 45-DEG BEND
8-IN 45-DEG BEND

885 880 875 870 865 860 855 850 845

10+00 11+00 12+00 13+00 14+00 15+00

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

FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-PnP1.dgn

DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. W-2

WATER PLAN AND PROFILE

S RANDALL AVE — CITY OF MADISON

STA 14+90.1 / 12.4'LT
CONNECT TO EX. 8X8 TEE
INSTALL 8-IN PLUG IN TEE
(INCIDENTAL TO CONNECT)

STA 14+93.1 / 12.4'LT
8-IN 45-DEG BEND

STA 14+97.5 / 8.0'LT
8-IN 45-DEG BEND

REPLACE C&G, AS NECESSARY

USE CAUTION NEAR EXISTING TREES TO REMAIN (TYP.)

INSULATION (TYP.)

STA 18+24.3 / 11.1'LT
CONNECT TO EX. 8X8 TEE
INSTALL 8X6 REDUCER AND TEMP FLUSHING HYDRANT (INCIDENTAL)
PLUG TEE AFTER SAFE SAMPLE HAS BEEN OBTAINED (INCIDENTAL)

STA 18+21.3 / 11.1'LT
8-IN VALVE

STA 18+18.3 / 11.1'LT
8-IN 45-DEG BEND

STA 18+15.2 / 8.0'LT
8-IN 45-DEG BEND

SEE SHEETS W-7 & W-8

REPLACE C&G, AS NECESSARY

STA 19+00.0 / 11.6'LT
CONNECT TO EX. 8X8 TEE
CUT OFF & CAP TO EAST
(INCIDENTAL TO CONNECT)

STA 19+01.2 / 11.6'LT
8-IN VALVE

STA 19+03.2 / 11.6'LT
8-IN 45-DEG BEND

STA 19+06.6 / 8.2'LT
8-IN 45-DEG BEND

MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

CHANDLER ST

S RANDALL AVE

MOUND ST

0709-224-2417-5
1402 CHANDLER ST
SCHULLT TRUST

0709-224-2418-3
210 S RANDALL AVE
ARENDS

0709-224-2419-1
214 S RANDALL AVE
HAYNES & DEVRIES

0709-224-2420-8
210 S RANDALL AVE
RANDALL APS LLC

0709-224-2421-6
206 S RANDALL AVE
RANDALL APTS LLC

0709-224-2422-4
202 S RANDALL AVE
SCHLUTER

0709-224-1111-4

0709-224-2312-7
1332 CHANDLER ST
TREICHEL

0709-224-2311-9
1325 S RANDALL AVE
KIRCHER

0709-224-2310-1
213 S RANDALL AVE
BORMETT

0709-224-2309-4
209 S RANDALL AVE
BORMETT

0709-224-2308-6
1337 MOUND ST
JOHNSTAD

0709-224-1808-7
1342 MOUND ST
MOUND ST HOUSING CO-OP

WN2 1-IN (EX. 3/4")

WN2 1-IN

WN2 1.5-IN

WN4 1-IN

WN8

6-IN C.I. (1914)

6-IN C.I. (1953)

8-IN C.I. (1912)

8-IN D.I. (2004)

8-IN D.I. (2013)

8-IN C.I. (1912)

4" PL GAS

STUMP

PROVIDE & MAINTAIN TEMPORARY WATER SERVICE
SEE SHEETS W-13-W-14 AND SPECIAL PROVISIONS.
ABANDON & REMOVE EX. 8-IN WM (INCIDENTAL)

PROVIDE & MAINTAIN TEMPORARY WATER SERVICE
SEE SHEETS W-13-W-14 AND SPECIAL PROVISIONS.
ABANDON & REMOVE EX. 8-IN WM (INCIDENTAL)

GENERAL WATER MAIN PROFILE REQUIREMENTS:
INSULATE ALL STORM SEWER CROSSINGS AND AREAS WITH LESS THAN 6-FT BURY DEPTH (TYP.).
MIN. 18-IN CLEARANCE WHEN CROSSING BELOW SEWERS.
MIN. 6-IN CLEARANCE WHEN CROSSING ABOVE SEWERS.

CONNECT TO EX. 8X8 TEE
8-IN 45-DEG BEND
8-IN 45-DEG BEND

8-IN 45-DEG BEND
8-IN 45-DEG BEND
8-IN VALVE
CONNECT TO EX. 8X8 TEE

CONNECT TO EX. 8X8 TEE
8-IN VALVE
8-IN 45-DEG BEND
8-IN 45-DEG BEND

8-IN WATER MAIN

SEE UTILITIES SHEETS FOR SAN. SEWER INFO

INSULATE X-ING (TYP).
MAINTAIN 18-IN CLEARANCE (TYP.)

VERIFY SAN LAT ELEVATIONS
PRIOR TO INSTALLING WATER MAIN

EX 8-IN WM (FIELD VERIFY ELEVATIONS)

885 880 875 870 865 860 855 850 845

15+00 16+00 17+00 18+00 19+00 20+00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-PnP2.dgn

DATE: 3/12/2015

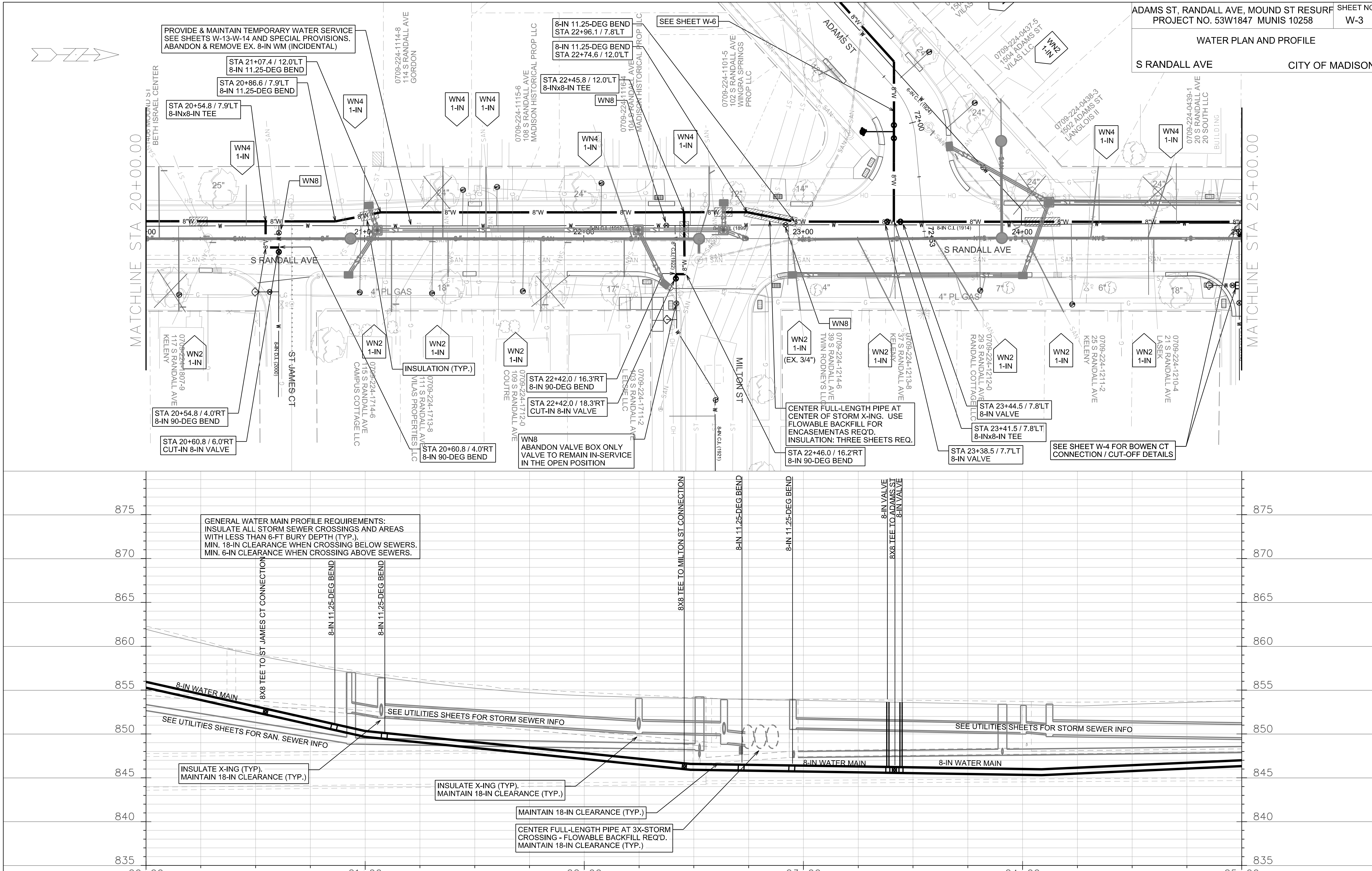
ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. W-3

WATER PLAN AND PROFILE

S RANDALL AVE

CITY OF MADISON



PLOT SCALE:

PLOT NAME:

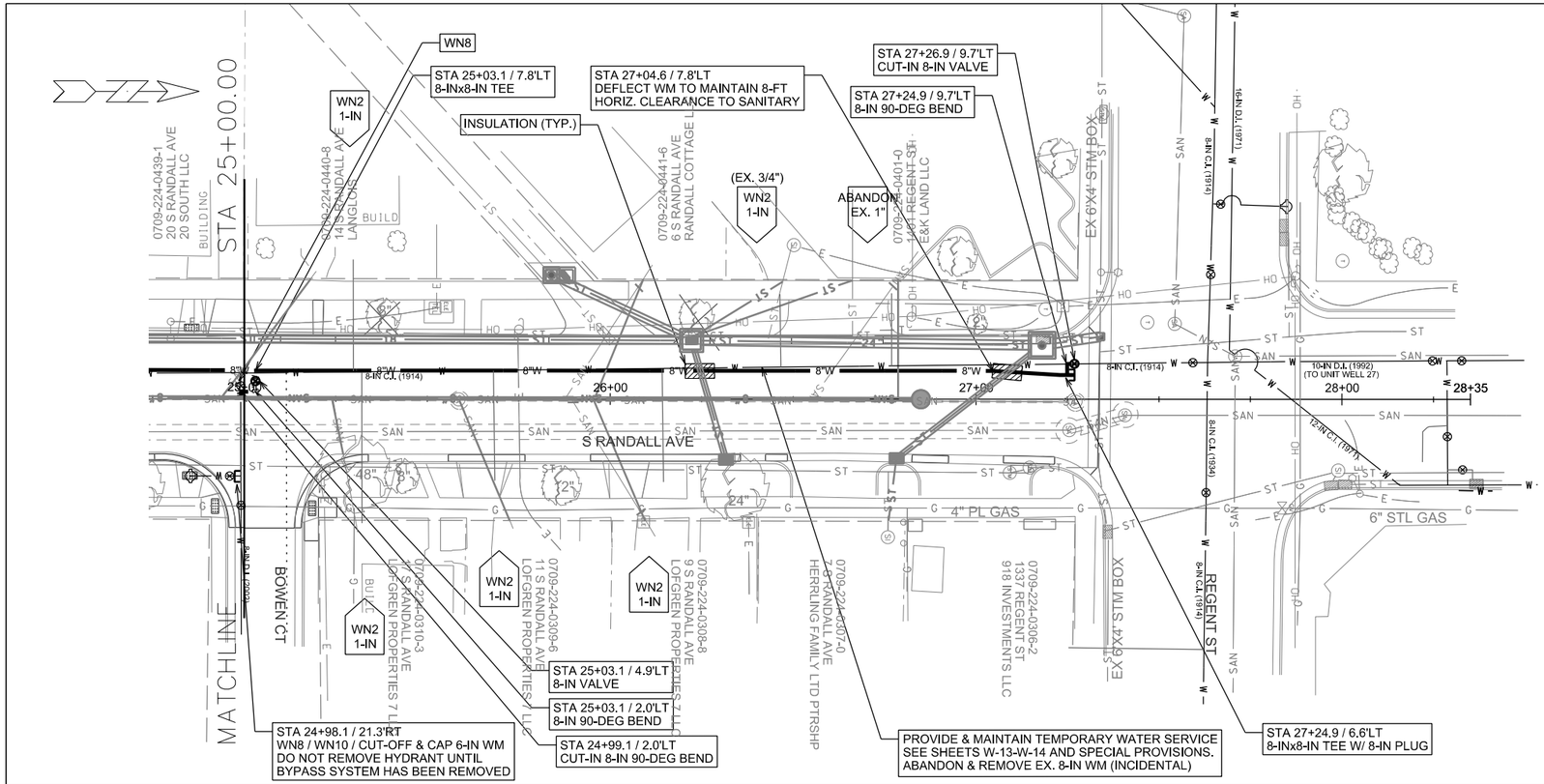
REV. DATE:

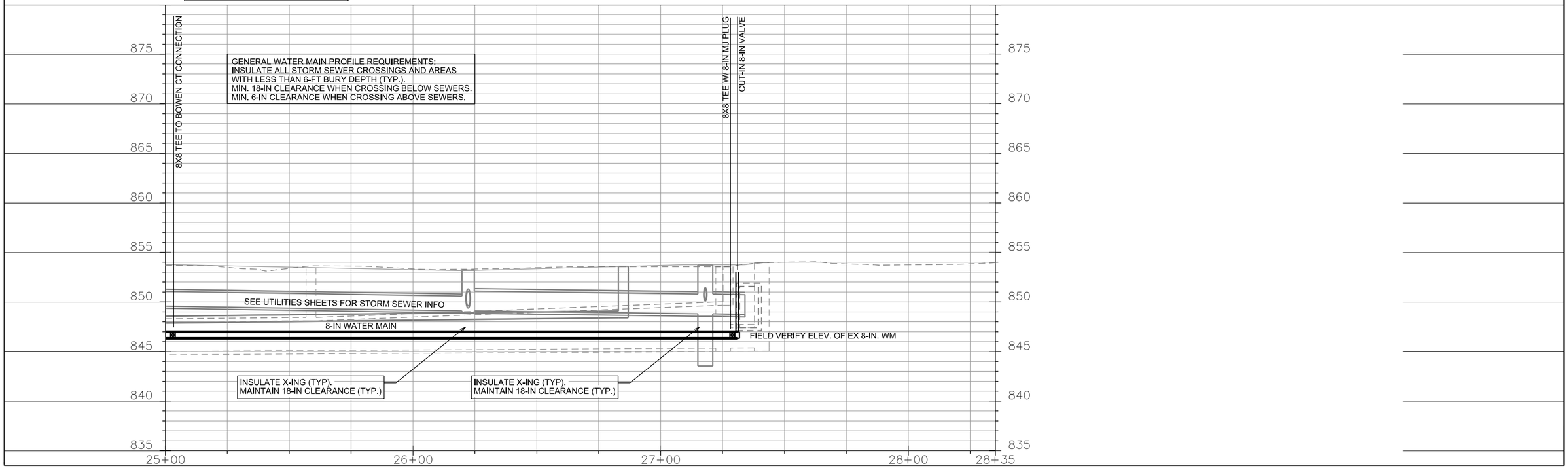
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-PnP3.dgn

DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. W-4
WATER PLAN AND PROFILE	
S RANDALL AVE	CITY OF MADISON





PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-PnP4.dgn

DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. W-5

WATER PLAN AND PROFILE

ADAMS ST — CITY OF MADISON

STA 65+74.5 / 39.2'LT
WN8 / WN10 / CUT & CAP 6-IN WM
IN TERRACE AFTER BYPASS SYSTEM
HAS BEEN REMOVED. PROTECT ROAD
PAVEMENT AND CURB & GUTTER

STA 65+67.0 / 17.9'LT
CUT-IN 8-IN VALVE

STA 65+67.1 / 15.9'LT
8-IN 90-DEG BEND

STA 65+39.2 / 9.9'LT
8-IN 90-DEG BEND

STA 65+39.2 / 9.7'RT
8-INx8-IN TEE

WN8

STA 65+14.2 / 9.7'RT
CONNECT TO EX. 8X6 TEE
6-IN PLUG TO NORTHWEST

STA 65+17.2 / 9.7'RT
8-IN VALVE

SEE SHEET W-7

STA 65+73.4 / 15.9'LT
8-IN 90-DEG BEND

STA 65+95.2 / 22.9'LT
5-IN HYDRANT PER S.D.D. 7.04

REPLACE CURB & GUTTER
AT HYDRANT LOCATION

STA 65+97.3 / 8.7'LT
8-IN VALVE

STA 66+06.7 / 8.0'LT
END DEFLECTION

STA 65+94.3 / 8.9'LT
8-INx6-IN TEE

STA 65+91.3 / 9.1'LT
8-IN VALVE

WN8

STA 65+79.2 / 9.9'LT
BEGIN DEFLECTION

STA 65+73.4 / 9.9'LT
8-INx8-IN TEE

INSULATION (TYP.)

STA 69+49.7 / 22.2'LT
5-IN HYDRANT PER S.D.D. 7.04
(IREPLACE CURB & GUTTER AS NECESSARY)

STA 69+49.7 / 11.0'LT
6-IN VALVE

STA 69+49.7 / 8.0'LT
8-INx6-IN TEE

PROVIDE & MAINTAIN TEMPORARY WATER SERVICE
SEE SHEETS W-13-W-14 AND SPECIAL PROVISIONS.
ABANDON & REMOVE EX. 8-IN WM (INCIDENTAL)

MATCHLINE STA 70+00.00

GENERAL WATER MAIN PROFILE REQUIREMENTS:
INSULATE ALL STORM SEWER CROSSINGS AND AREAS
WITH LESS THAN 6-FT BURY DEPTH (TYP.).
MIN. 18-IN CLEARANCE WHEN CROSSING BELOW SEWERS.
MIN. 6-IN CLEARANCE WHEN CROSSING ABOVE SEWERS.

CONNECT TO EX. 8X6 TEE
8-IN VALVE

8X8 TEE / 8-IN 90-DEG BEND

8X8 TEE TO OAKLAND AVE CONNECTION

8-IN VALVE
8X6 TEE TO HYDRANT
8-IN VALVE

8X6 TEE TO HYDRANT

SEE UTILITIES SHEETS FOR SAN. SEWER INFO

8-IN WATER MAIN

8-IN WATER MAIN

CENTER FULL-LENGTH PIPE AT 3X-STORM
CROSSING - FLOWABLE BACKFILL REQ'D.
MAINTAIN 18-IN CLEARANCE (TYP.)

875 870 865 860 855 850 845 840 835

65+00 66+00 67+00 68+00 69+00 70+00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-PnP5.dgn

DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847 MUNIS 10258

SHEET NO. W-6

WATER PLAN AND PROFILE

ADAMS ST

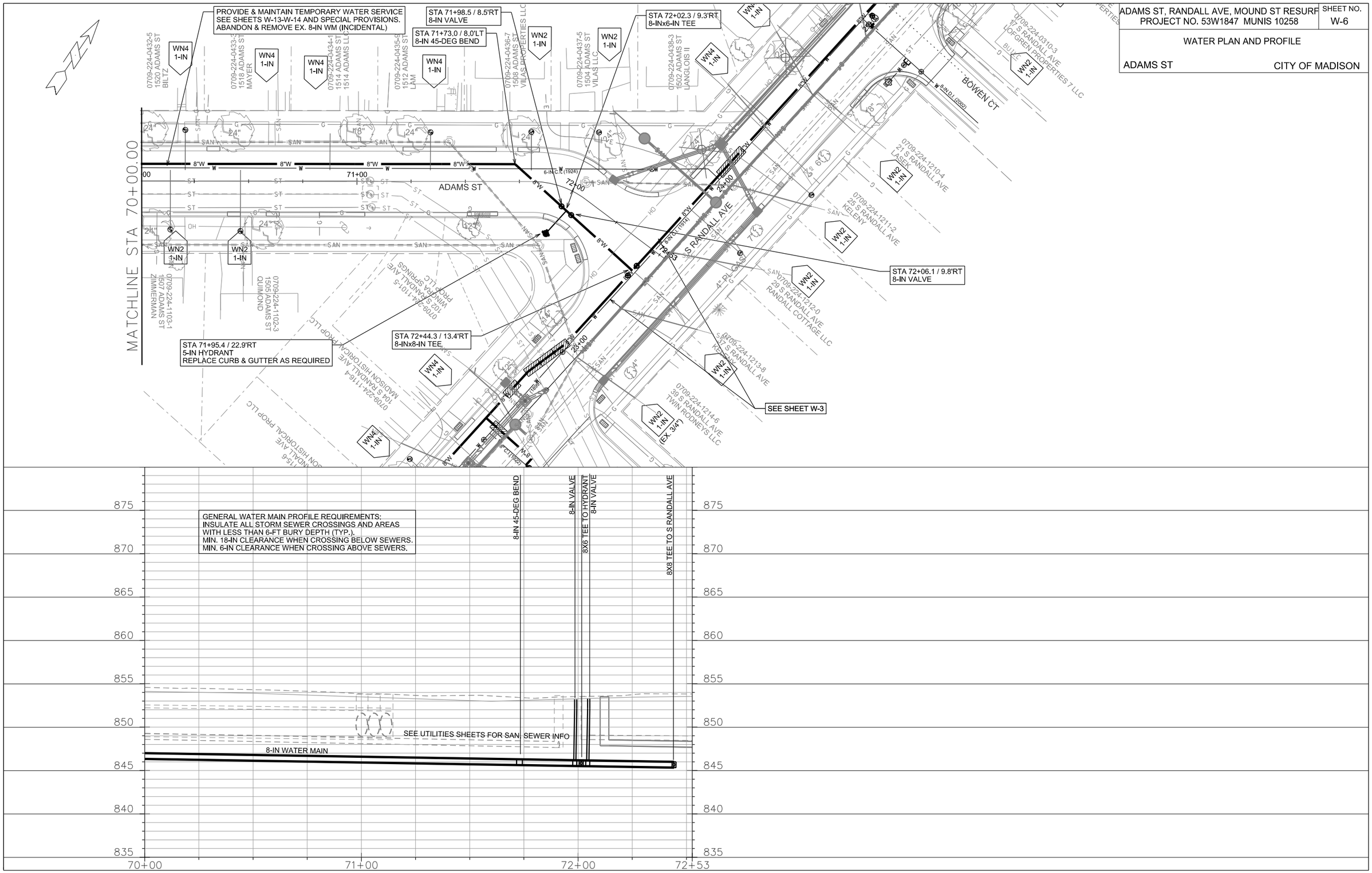
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-PnP6.dgn

DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. W-7
PLAN AND PROFILE	
MOUND ST	CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SEE SHEE W-5

STA 50+08.6 / 15.8'RT
8-INx8-IN TEE

STA 50+11.6 / 16.0'RT
8-IN 22.5-DEG BEND

STA 50+27.0 / 10.4'RT
8-IN 22.5-DEG BEND

STA 50+51.7 / 10.6'RT
8-IN VALVE

STA 50+54.7 / 10.6'RT
CONNECT TO EX. 8X6 CROSS
PLUG CROSS TO NORTH

STA 50+87.2 / 8.0'RT
FURNISH DITCH FOR LIVE-TAP
(TAP AND VALVE BY MWU)

8-IN 45-DEG BEND

INSULATION (TYP.)

STA 51+77.1 / 11.3'LT
CUT-IN 4-IN VALVE
SEE SPECIALS FOR
COORDINATION INFO

STA 51+77.1 / 9.3'LT
4-IN 90-DEG BEND

STA 51+83.1 / 9.3'LT
4-IN 90-DEG BEND

8-IN 45-DEG BEND

STA 51+83.0 / 8.0'RT
8-INx4-IN TEE

STA 53+97.3 / 10.5'LT
CUT-IN 6-IN VALVE
SEE SPECIALS FOR
COORDINATION INFO

STA 53+97.3 / 8.5'LT
6-IN 90-DEG BEND

STA 54+03.3 / 8.5'LT
6-IN 90-DEG BEND

STA 54+03.3 / 8.0'RT
8-INx6-IN TEE

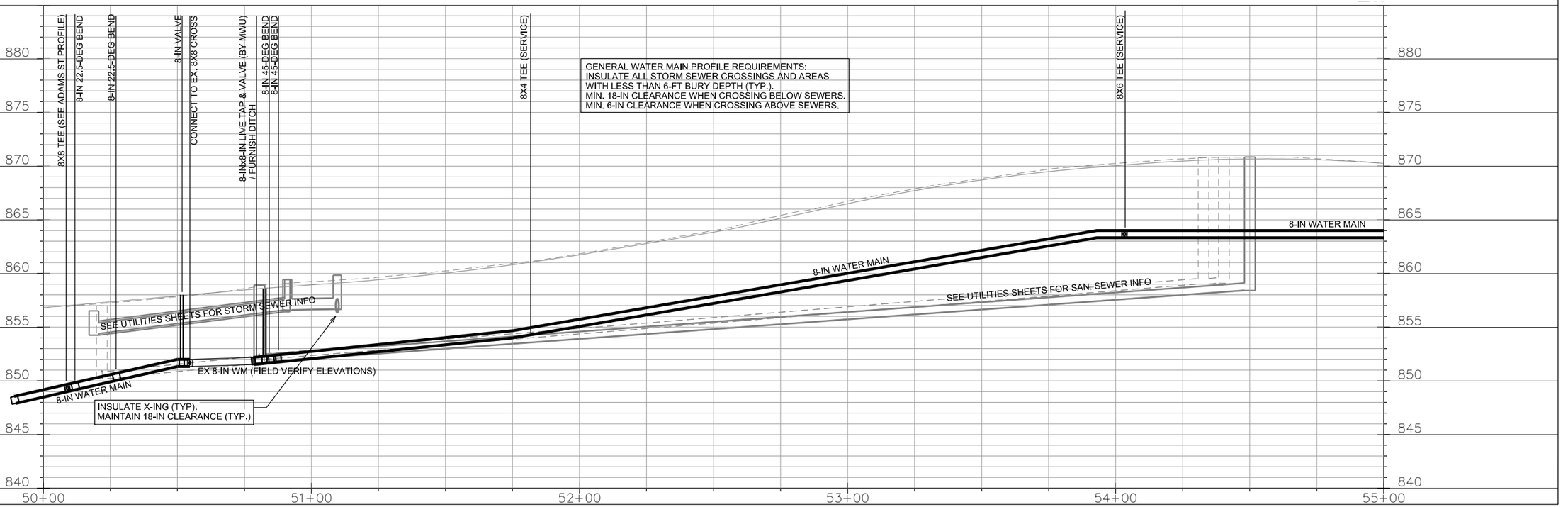
WN2 1-IN
WN4 1-IN
WN8

MATCHLINE STA 55+00.00

MOUND ST
ADAMS ST
CAMPBELL ST
RANDALL AVE

0709-224-2502-4 1607 ADAMS ST HWANG & ASSOC.
0709-224-2501-6 1601 ADAMS ST SINGER
0709-224-2406-8 1445 MOUND ST SINAIKO
0709-224-2405-0 1443 MOUND ST WOODWARD REV TR
0709-224-2404-2 1441 MOUND ST BURKE
0709-224-2403-4 1425 MOUND ST KUNZ
0709-224-2402-6 1419 MOUND ST HONG
0709-224-2401-8 1413 MOUND ST TRABAN-MEGAHED
0709-224-2422-4 202 S RANDALL ST SCHLUTER
0709-224-1109-9 1430 MOUND ST WAITLIN
0709-224-1110-6 1420 MOUND ST TWIN CASTLES LLC
0709-224-1111-4 1406 MOUND ST BETH ISRAEL CENTER

BUILDING



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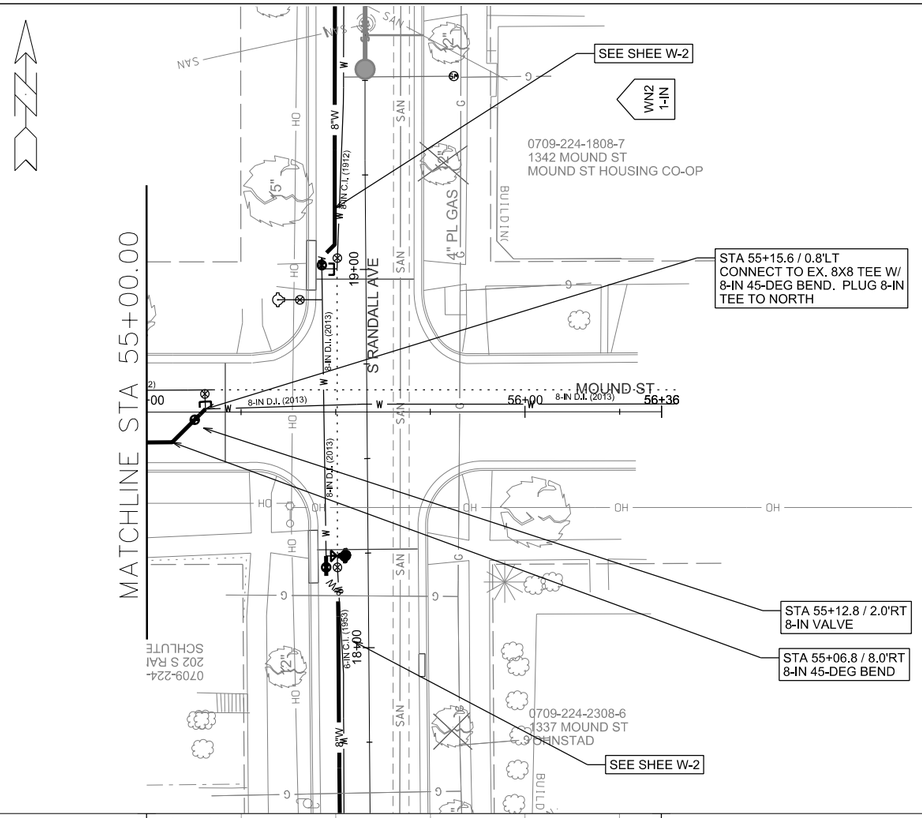
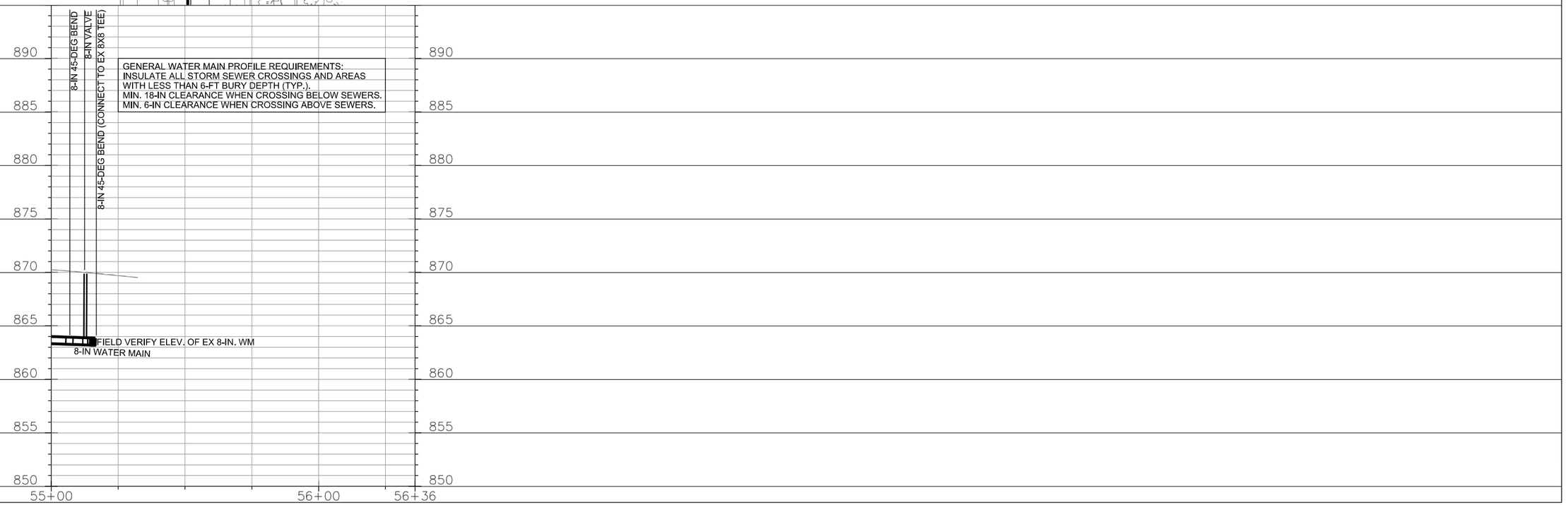
DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. W-8
WATER PLAN AND PROFILE	
MOUND ST	CITY OF MADISON





PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-PnP8.dgn

DATE: 3/10/2015

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847

SHEET NO.
W-9

WATER SYSTEM IMPACT PLAN

S RANDALL AVE CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

S RANDALL AVE

S RANDALL AVE

VILAS AVENUE

CHANDLER STREET

MOUND STREET

S ORCHARD STREET

V-25 V-26 V-30A V-29 V-63 V-62 V-61 V-64 V-30B V-2892 V-2893 V-2896 V-2897 V-2898

STA 14+90.1 / 12,4'LT
CONNECT TO EX. 8X8-TEE
INSTALL 8-IN PLUG IN TEE
(INCIDENTAL TO CONNECT)

STA 14+93.1 / 12,4'LT
8-IN 45-DEG BEND

WN8

CONNECT TO EX 8" WM
-TURN VALVES:
*V-25 *V-26
*V-29 *V-30A
-NOTIFY:
*NONE REQUIRED

CONNECT TO EX 8" WM
-TURN VALVES:
*V-62 *V-63
-NOTIFY:
*NONE REQUIRED

CONNECT TO EX 8" WM
-TURN VALVES:
*V-61 *V-64
-NOTIFY:
*NONE REQUIRED

CONNECT TO EX 8" WM
-TURN VALVES:
*V-30B *V-2892 *V-2893
*V-2896 *V-2897 *V-2898
-NOTIFY:
*NONE REQUIRED

CONNECT TO EX 8" WM
-TURN VALVES:
*V-30B *V-2892 *V-2893
*V-2896 *V-2897 *V-2898
-NOTIFY:
*NONE REQUIRED

DISCLAIMER NOTE:
THE WATER 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.

FILE NAME:

DATE:

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847

SHEET NO.
W-10

WATER SYSTEM IMPACT PLAN

S RANDALL AVE — CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME:

DATE:

ADAMS STREET

S RANDALL AVE

MOUND ST

MOUND STREET

ST JAMES COURT

MILTON STREET

BOWEN COURT

REGENT STREET

S ORCHARD STREET

SEE W-11

SEE W-8

SEE W-8

V-2892

V-30

V-2893

V-42

V-61

V-16

V-45

V-2897

V-2896

V-2898

WN8

CUT-IN CONNECTION
-TURN VALVES:
*V-45
-NOTIFY:
*ST JAMES CT: 1310-1325
*ORCHARD ST: 112, 114

CUT-IN CONNECTION
-TURN VALVES:
*V-42
-NOTIFY:
*NONE REQUIRED

STA 24+98.1 / 21.2RT
WN8 / WN10 / CUT-OFF & CAP 6-IN WM
DO NOT REMOVE HYDRANT UNTIL
BYPASS SYSTEM HAS BEEN REMOVED

STA 25+03.1 / 2.0LT
8-IN VALVE

STA 25+03.1 / 2.0LT
8-IN 90-DEG BEND

STA 24+99.1 / 2.0LT
CUT-IN 6-IN 90-DEG BEND

CUT-IN CONNECTION
-TURN VALVES:
*V-16
-NOTIFY:
*NONE REQUIRED

CUT-IN CONNECTION
-TURN VALVES:
*V-61
-NOTIFY:
*NONE REQUIRED

DISCLAIMER NOTE:
THE WATER 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.

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847

SHEET NO.
W-11

WATER SYSTEM IMPACT PLAN

ADAMS ST / MOUND ST

CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONNECT TO EX 8" WM
-TURN VALVES:
*V-3160 *V-3161
-NOTIFY:
*ADAMS ST: 1601-1602, 1607-1632
*CHANDLER ST: 1522, 1526

CUT-IN CONNECTION
-TURN VALVES:
*V-20 *V-3161 *V-19 *V-22
-NOTIFY:
*NONE REQUIRED

CUT & CAP CONNECTION
-TURN VALVES:
*V-19 *SV-9 *SV-3152 *V-2892
-NOTIFY:
*MOUND ST: 1406, 1413, 1419-1425, 1430, 1441-1443
*RANDALL ST: 202

CONNECT TO EX 8" WM
-TURN VALVES:
*V-57
-NOTIFY:
*NONE REQUIRED

SEE W-11

SEE W-11

SEE W-8

SEE W-9

SEE W-8

SEE W-9

DISCLAIMER NOTE:
THE WATER 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.

FILE NAME:

DATE:

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847

SHEET NO.
W-12

WATER SYSTEM IMPACT PLAN

MOUND ST — CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME:

DATE:

ADAMS STREET

S RANDALL AVE

MOUND STREET

MOUND STREET

CAMPBELL STREET

S RANDALL AVE

S ORCHARD STREET

CONNECT TO EX 8" WM
-TURN VALVES:
*V-30B *V-2892 *V-2893
*V-2896 *V-2897 *V-2898
-NOTIFY:
*MOUND ST: 1302, 1310-1311, 1315-1335, 1342,

LIVE TAP CONNECTION
-TURN VALVES:
*V-57 *V-19 *SV-9 *SV-3152 *V-2892
-NOTIFY:
*MOUND ST: 1406, 1413, 1419-1420, 1430, 1441-1443
*RANDALL ST: 202

SEE W-8

SEE W-9

SEE W-10

SEE W-8

V-20 V-22 V-19 V-3161 V-57 SV-9 SV-3152 V-2892 V-2893 V-30B V-2896 V-2898 V-2897

DISCLAIMER NOTE:
THE WATER 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.

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847

SHEET NO.
W-13

TEMPORARY WATER SYSTEM PLAN

S RANDALL AVE — CITY OF MADISON

EXISTING WATER MAIN (TYP.)

HATCHING: PROPERTIES REQUIRING TEMPORARY WATER SERVICE (TYP.)

EXISTING MAIN TO BE ABANDONED PRIOR TO REPLACEMENT (TYP.)

NOTE - MOUND ST REPLACEMENT DOES NOT REQUIRE BYPASS SYSTEM

PAVING LIMITS

MOUND ST

S RANDALL AVE

NDALL AVE

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

51+00 52+00 53+00 54+00 55+00 56+00 56+36

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME:

DATE:

ADAMS ST, RANDALL AVE, MOUND ST RESURF
PROJECT NO. 53W1847

SHEET NO.
W-14

TEMPORARY WATER SYSTEM PLAN

RANDALL AV, ADAMS ST, MOUND ST CITY OF MADISON

HATCHING: PROPERTIES REQUIRING TEMPORARY WATER SERVICE (TYP.)

EXISTING WATER MAIN (TYP.)

EXISTING MAIN TO BE ABANDONED PRIOR TO REPLACEMENT (TYP.)

PAVING LIMITS

NOTE - MOUND ST REPLACEMENT DOES NOT REQUIRE BYPASS SYSTEM

MOUND ST

S RANDALL AVE

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME:

DATE:

ADAMS ST, RANDALL AVE, MOUND ST RESURF PROJECT NO. 53W1847 MUNIS 10258	SHEET NO. W-15
WATER ESTIMATE OF MATERIALS CITY OF MADISON	

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.

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.

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

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.

MEMBER ONE CALL SYSTEMS INTERNATIONAL

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

30-FT - 4-IN PIPE
80-FT - 6-IN PIPE
2900-FT - 8-IN PIPE

3350-FT - POLYWRAP

1 - 4-IN VALVE & BOX
2 - 6-IN VALVE & BOX
16- 8-IN VALVE & BOX

2 - 4-IN 90° BEND
2 - 6-IN 90° BEND
11 - 8-IN 90° BEND
15 - 8-IN 45° BEND
2 - 8-IN 22.5° BEND
4 - 8-IN 11.25° BEND

1 - 8-IN X 4-IN TEE
4 - 8-IN X 6-IN TEE
7 - 8-IN X 8-IN TEE

2 - 8-IN X 6-IN REDUCER

3 - 6-IN MJ PLUG
8 - 8-IN MJ PLUG
2 - 6-IN MJ CAP

3 - 5-IN HYDRANT
2 - FLUSHING HYDRANT

160-FT - 2-IN STYROFOAM INSULATION

COPPER SERVICE TUBING/COUPLINGS (AS REQUIRED)
HYDRANT OR VALVE BOX RISERS/EXTENSIONS (AS REQUIRED)

ESTIMATE OF MATERIALS SUPPLIED BY CITY:

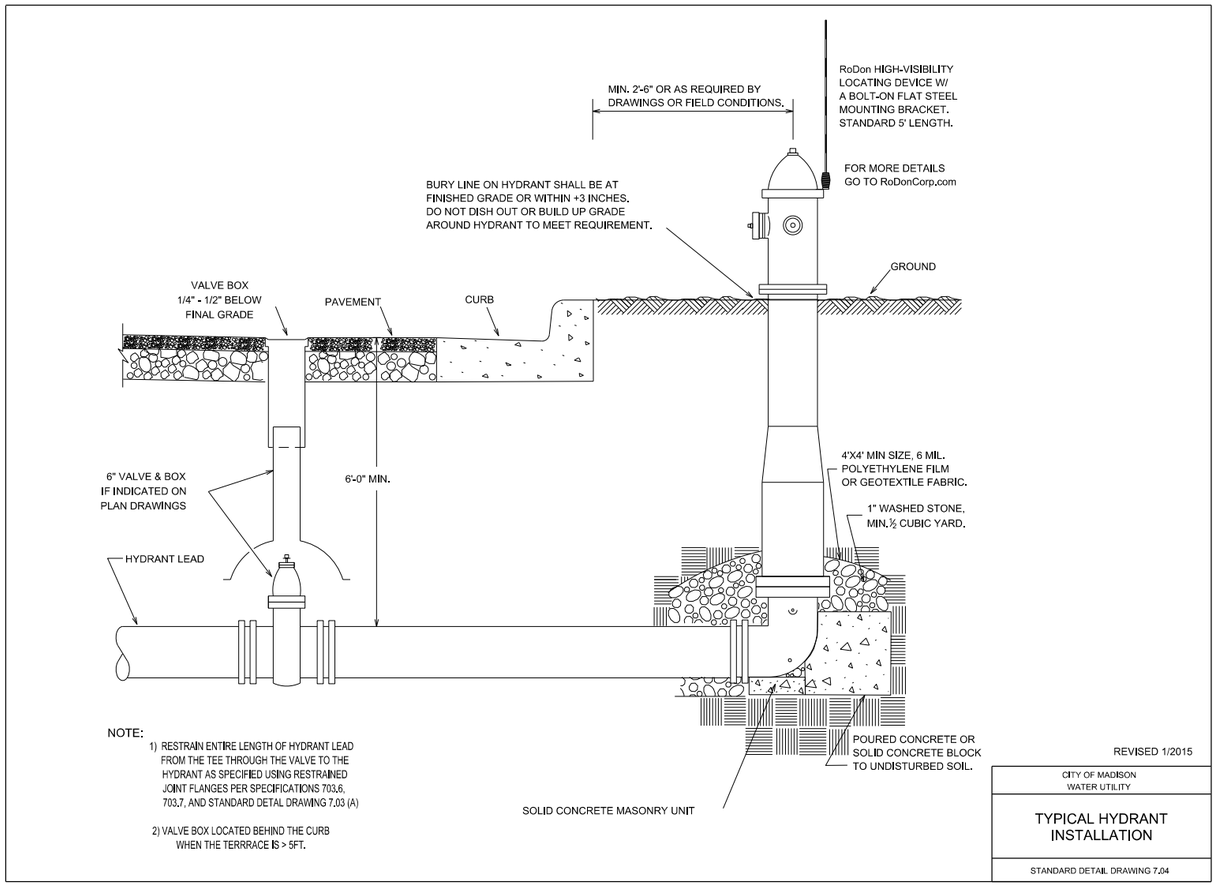
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

1 - 8-IN TAPPING VALVE
1 - 8-IN X 8-IN TAPPING SLEEVE

ESTIMATE OF MATERIALS SALVAGED:

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

6 - 8-IN MJ PLUG
2 - HYDRANT



NOTE:
1) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING RESTRAINED JOINT FLANGES PER SPECIFICATIONS 703.6, 703.7, AND STANDARD DETAL DRAWING 7.03 (A)

2) VALVE BOX LOCATED BEHIND THE CURB WHEN THE TERRRACE IS > 5FT.

REVISED 1/2015

CITY OF MADISON WATER UTILITY
TYPICAL HYDRANT INSTALLATION
STANDARD DETAIL DRAWING 7.04

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

FILE NAME: M:\DESIGN\Projects\53W1847\Water\Design\53W1847WU-Materials##.dgn

DATE: 3/10/2015