

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

WALTER STREET AND SARGENT STREET

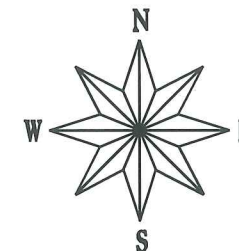
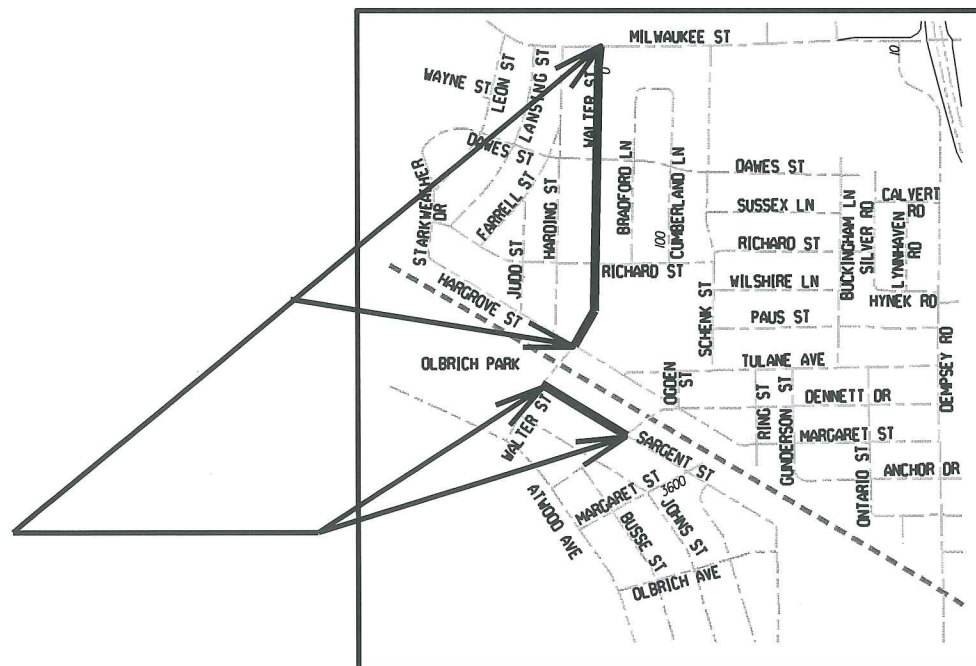
ASSESSMENT DISTRICT-2016

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CITY PROJECT NO. 10896

CITY CONTRACT NO. 7584



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 (WALTER ST) (MEASURED PLAN QUANTITY).....	3789 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT (WALTER ST).....	630 C.Y.
EXCAVATION CUT (SARGENT ST) (MEASURED PLAN QUANTITY).....	797 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT (SARGENT ST).....	0 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	5216 C.Y.

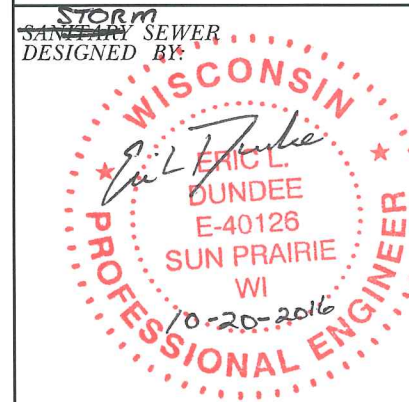
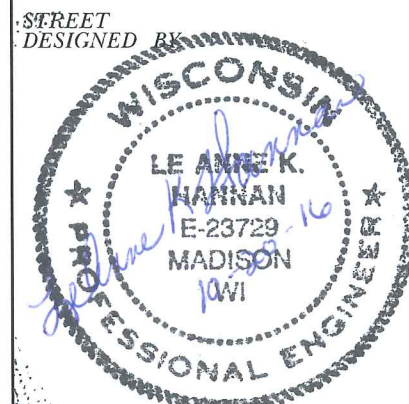
PUBLIC IMPROVEMENT PROJECT
APPROVED

DECEMBER 1, 2015

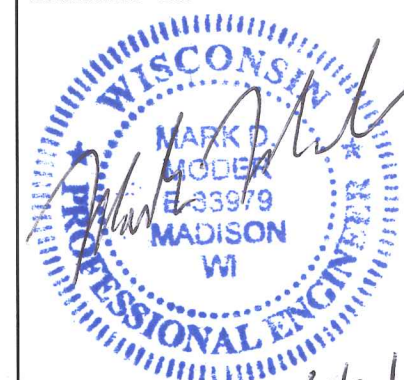
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

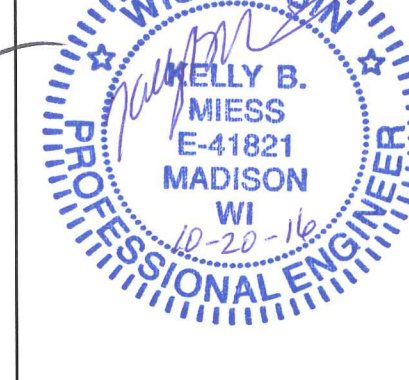
Christy Bach 10-21-16
City Engineer Date

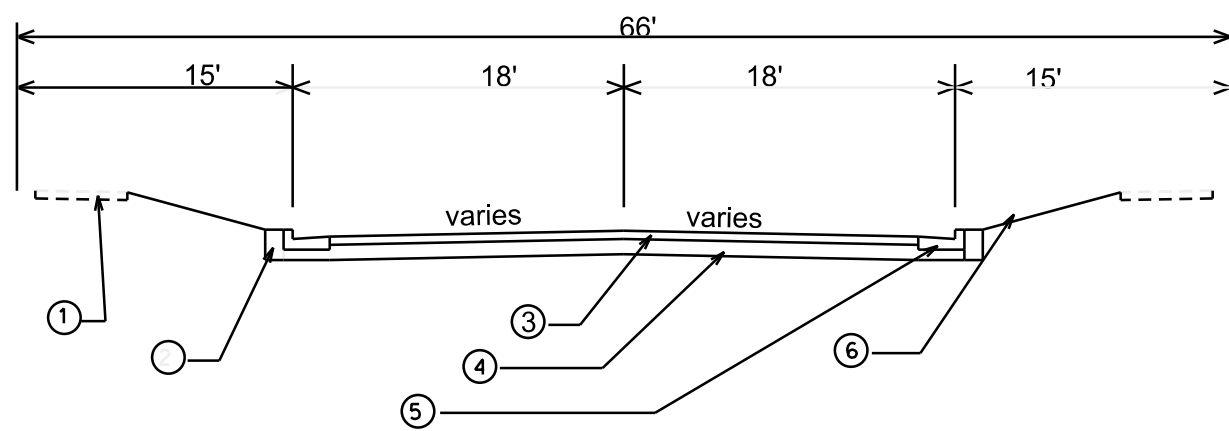


STORM SEWER
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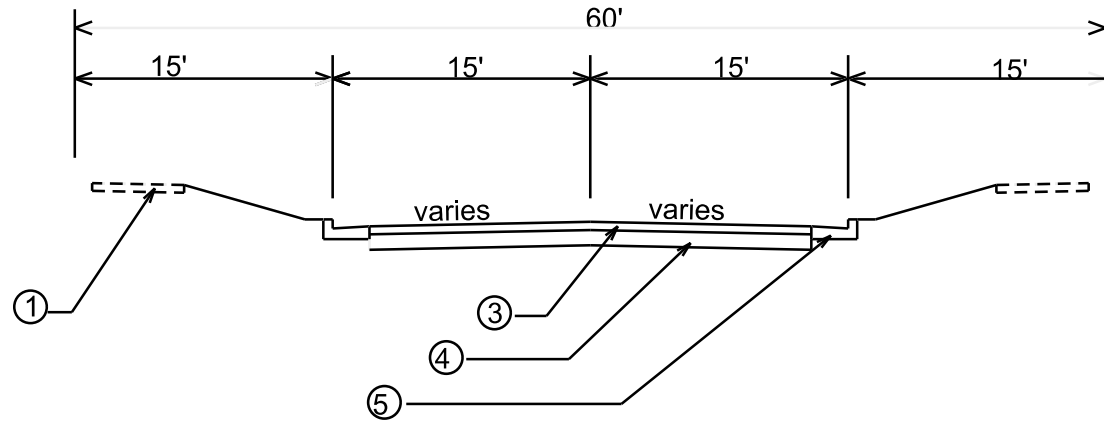


WATER
DESIGNED BY:

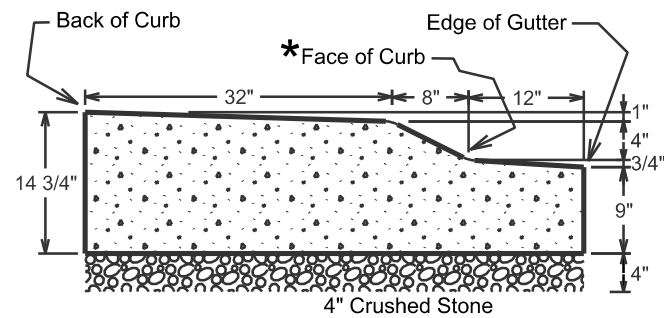




WALTER STREET



SARGENT STREET



* RADIUS MEASURED TO THIS POINT

MOUNTABLE CONCRETE CURB & GUTTER FOR TRAFFIC CIRCLES

- ① EX. 5" CONC. SW
- ② FILL
- ③ 4-1/4" HMA PAV'T TYPE 1.0
- ④ 4" C.A.B.C.G.R. 2
6" C.A.B.C.G.R. 1
- ⑤ TYPE A CONC. C&G
- ⑥ 4" TOPSOIL, SEED & MATTING

PLOT SCALE:

PLOT NAME:

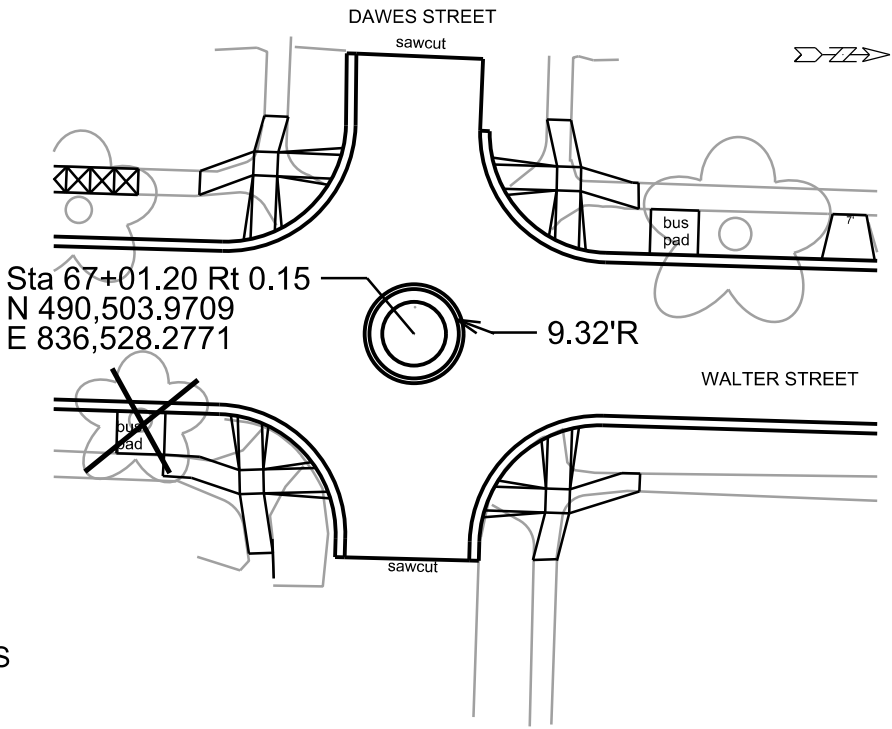
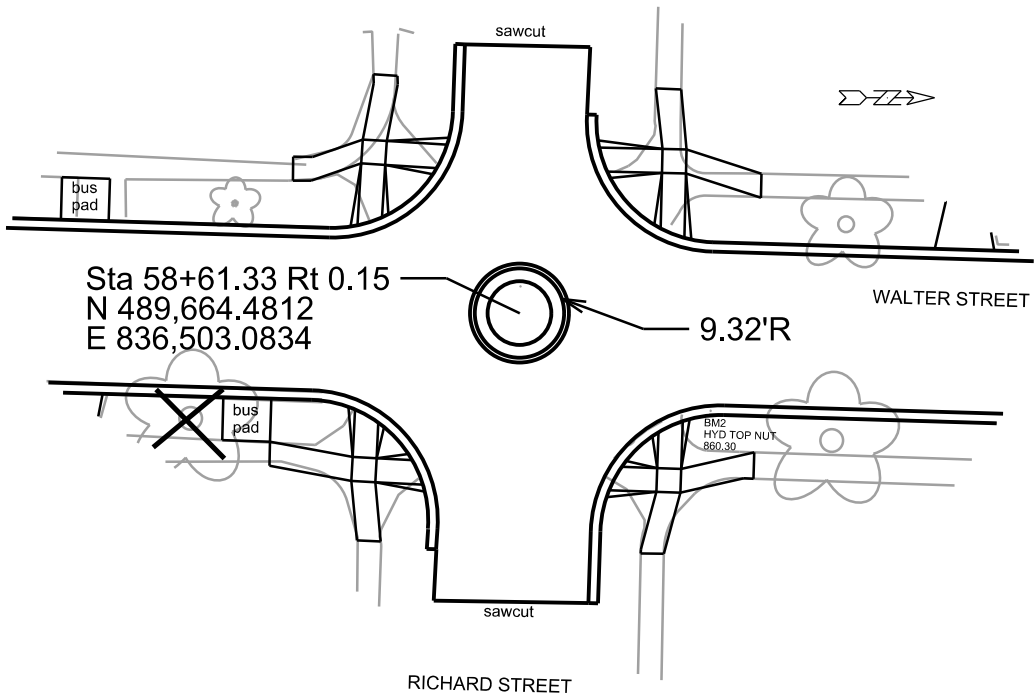
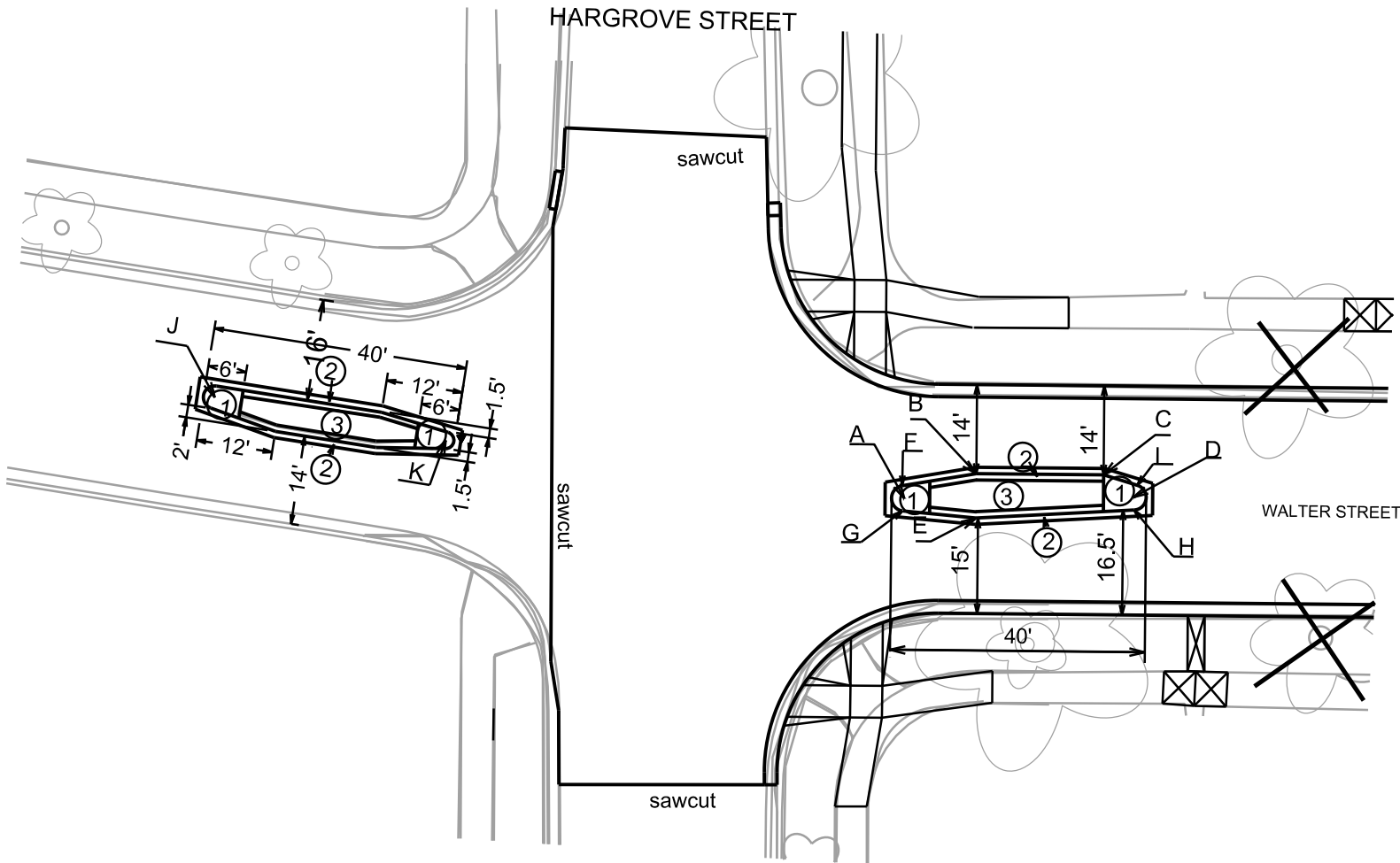
REV. DATE:

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

- 1 Conc. Mountable Median Nose
- 2 Type "E" C&G
- 3 Topsoil, Seed & Matting
- A Sta 51+97.78 0.0
- B Sta 52+09.06 Lt 4.0
- C Sta 52+29.06 Lt 4.0
- D Sta 52+33.78 Lt 0.5
- E Sta 52+09.06 Rt 3.0
- F Sta 51+97.44 Lt 2.0
- G Sta. 51+97.60 Rt 2.0
- H Sta 52-33.09 Lt 1.50
- I Sta 52+34.14 Lt 2.50
- J Sta 50+88.25 Rt 0.27 1.80'R
- K Sta 51+25.12 Rt 1.06 1.30'R

NOTE: Final Location of Islands to be marked by Traffic Engineering



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

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

GUARD RAIL DETAILS

STRUCTURAL STEEL SLEEVE
TOP VIEW

STRUCTURAL STEEL SLEEVE
SIDE VIEW

STRUCTURAL STEEL TUBING
SIDE VIEW

GENERAL RAILING NOTES:
GUARD RAIL SHALL BE PAINTED BROWN IN ACCORDANCE WITH RAL 8011.
ALL PIPES SHALL BE CUT TO FIT AND JOINTS SHALL BE WELDED CONTINUOUSLY AROUND THE PERIMETER TO ASSURE A BURR FREE AND STRUCTURALLY SOUND CONNECTION.
THE GUARD RAIL SHALL NOT BE FABRICATED UNTIL THE STEEL SLEEVES ARE IN PLACE. THE ACTUAL DIMENSION, AS MEASURED IN THE FIELD, SHALL BE UTILIZED TO CONSTRUCT THE GUARD RAILS.

NOTE: ALL BARS TO BE EPOXY COATED.

TOP VIEW
WINGWALLS WITH SPLASHPAD

FRONT VIEW
WINGWALLS WITH SPLASHPAD

SIDE VIEW
WINGWALLS WITH SPLASHPAD

SECTION B-B
CUT-OFF WALL DETAIL

INSET

SECTION A-A
WINGWALL DETAIL AT END OF WALL

TOP VIEW
BOX CULVERT HEADER REINFORCEMENT DETAIL

FILL NOTES:

(1) WINGWALLS WITH SPLASH PAD DOWNSTREAM: SEE S.D.D. 5.5.2 FOR INSTALLATION OF RIPRAP AT BOX CULVERT WINGWALLS.

(2) WINGWALLS WITH SPLASH PAD UPSTREAM: FILL AREA WITH NON-GRANULAR GENERAL FILL OVERLAID WITH EROSION MATTING.

BEDDING NOTES:

(1) ALL FOOTINGS SHALL HAVE 12" OF 3" CLEAR STONE PLACED AS BEDDING.

(2) AREA BELOW SPALSH PAD SHALL BE FILLED WITH 3" CLEAR STONE

STEEL CONNECTION NOTES:

(1) CONNECTION OF SPLASH PAD TO BOX CULVERTS: 12" LONG #6 REBARS SPACED EVENLY ON APPROXIMATELY 2'-6" CENTERS. TIGHT DRIVEN 6" INTO END OF BOX CULVERT FLOOR AND EMBEDDED 6" INTO SPLASH PAD FLOOR WITH 2" CLEAR SPACING EACH SIDE.

(2) CONNECTION OF WINGWALL TO BOX CULVERT: #4 REBARS FIELD BENT WITH 'L' DIMENSIONS OF 6"x6" SPACED EVENLY ON APPROXIMATELY 8" CENTERS. ONE 6" LEG DRIVEN INTO SIDE OF BOX AND THE OTHER EMBEDDED 6" INTO THE WINGWALL. BARS SHALL HAVE 2" CLEAR SPACING TOP AND BOTTOM. (SAME EACH WINGWALL)

(3) CONNECTION OF SPLASH PAD TO WINGWALLS: #4 REBARS FIELD BENT WITH 'L' DIMENSIONS OF 12"x8" SPACED EVENLY ON APPROXIMATELY 12" CENTERS. THE 12" LEG EMBEDDED INTO THE SPLASH PAD AND THE 8" LEG EMBEDDED DOWNWARD INTO THE WINGWALL. BARS SHALL BE CENTERED IN THE SPLASH PAD AND THE WINGWALL. WINGWALLS SHALL BE ONE CONTINUOUS POUR FROM CONSTRUCTION JOINT ABOVE FOOTING TO TOP OF THE WALL. THERE SHOULD BE NO CONSTRUCTION JOINT AT PAD ELEVATION.

(4) CONNECTION OF SPLASH PAD TO THE CUT-OFF WALL: (SEE CUT-OFF WALL DETAIL) THE #4 BAR REINFORCING OF THE CUT-OFF WALL SHALL BE FIELD BENT INTO A 'C' AND 'Z' SHAPES WITH THE DIMENSIONS 3'-4"x8"x6" SPACED EVENLY ON APPROXIMATELY 24" CENTERS. THE 8" LEG ALTERNATES INTO FOOTING LEG AND 6" EMBEDDED INTO SPLASH PAD. THE BARS SHALL BE CENTERED IN THE CUT-OFF WALL.

VARIABLES (UNITS: INCHES)

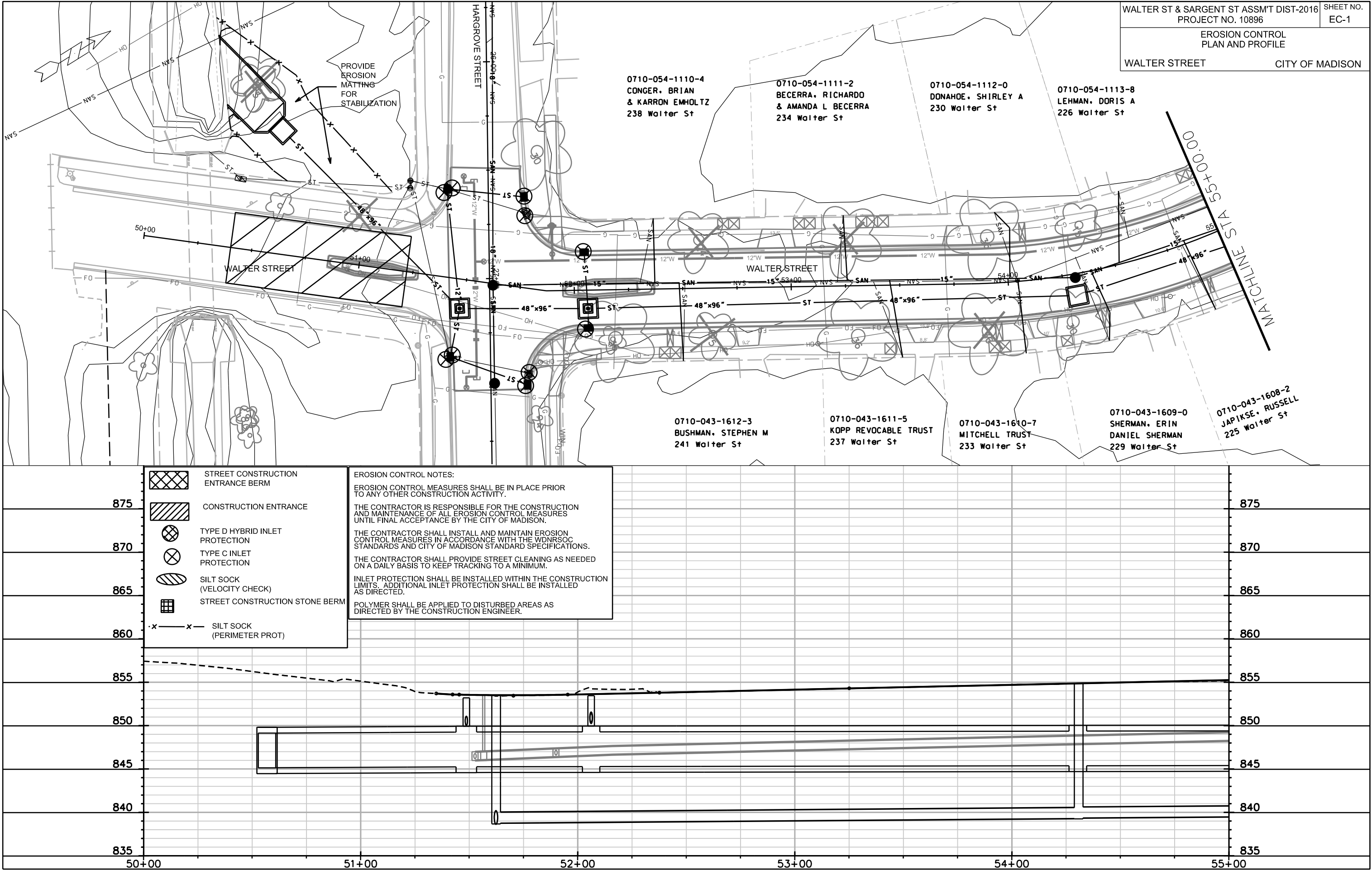
= NUMBER OF BOXES
'H' = INSIDE BOX HEIGHT + ROOF THICKNESS + HEADER HEIGHT
'W' = INSIDE WIDTH OF BOX
'V' = INSIDE HEIGHT OF BOX
'T' = SIDE WALL THICKNESS

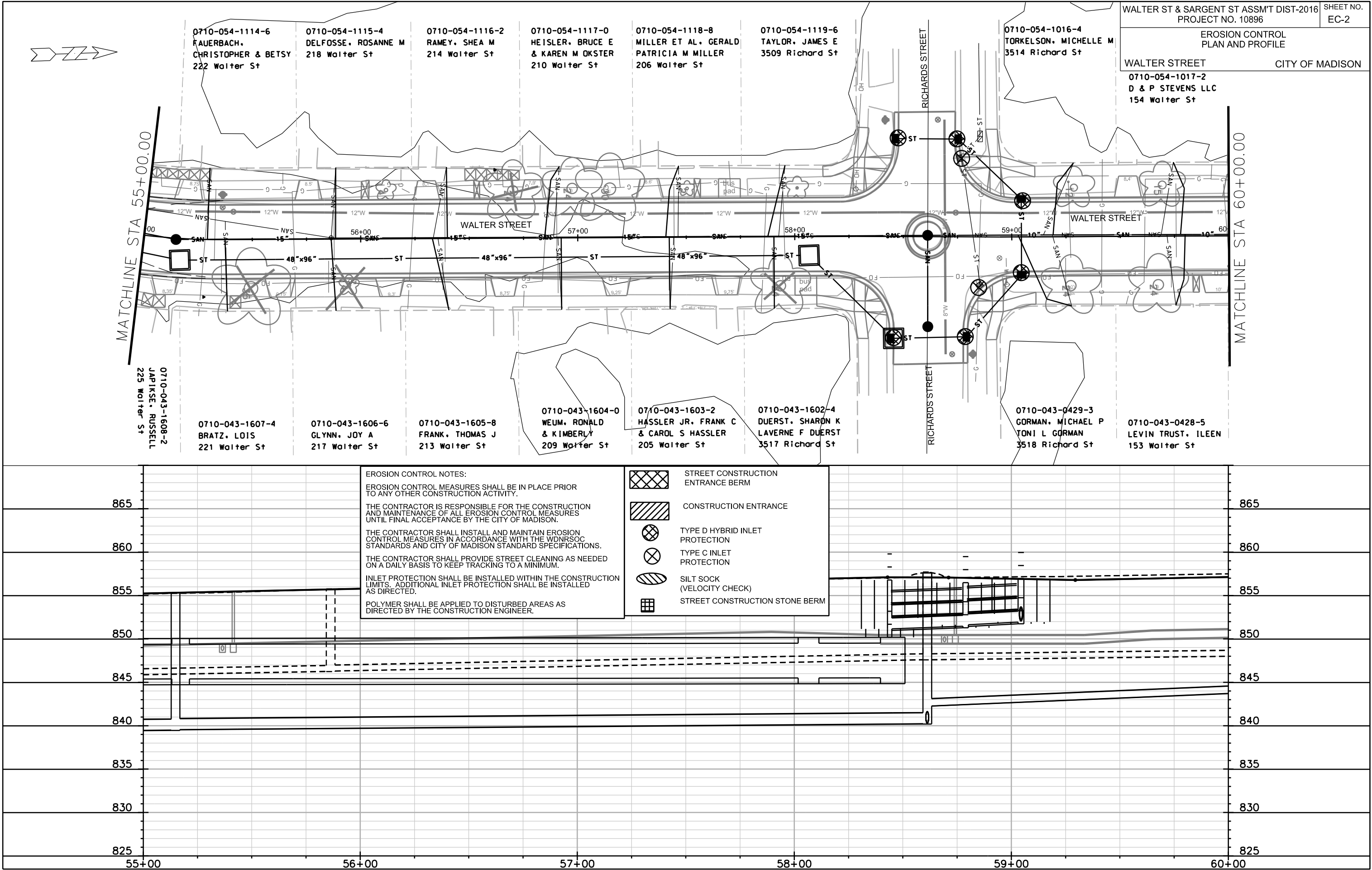
DRAWING NOT TO SCALE

CITY OF MADISON
ENGINEERING DIVISION

BOX CULVERT
WINGWALL

STANDARD DETAIL DRAWING 5.5.1



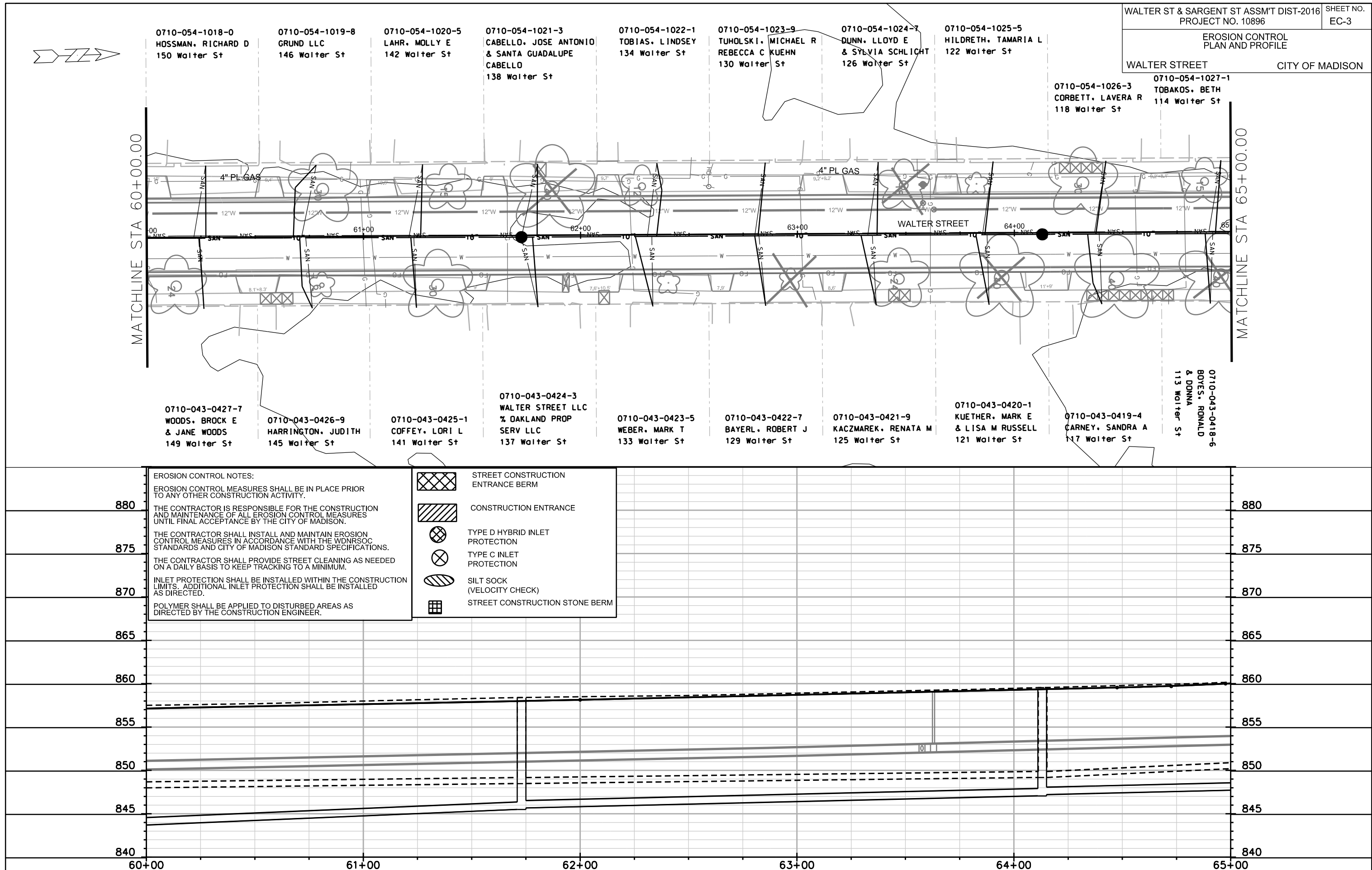


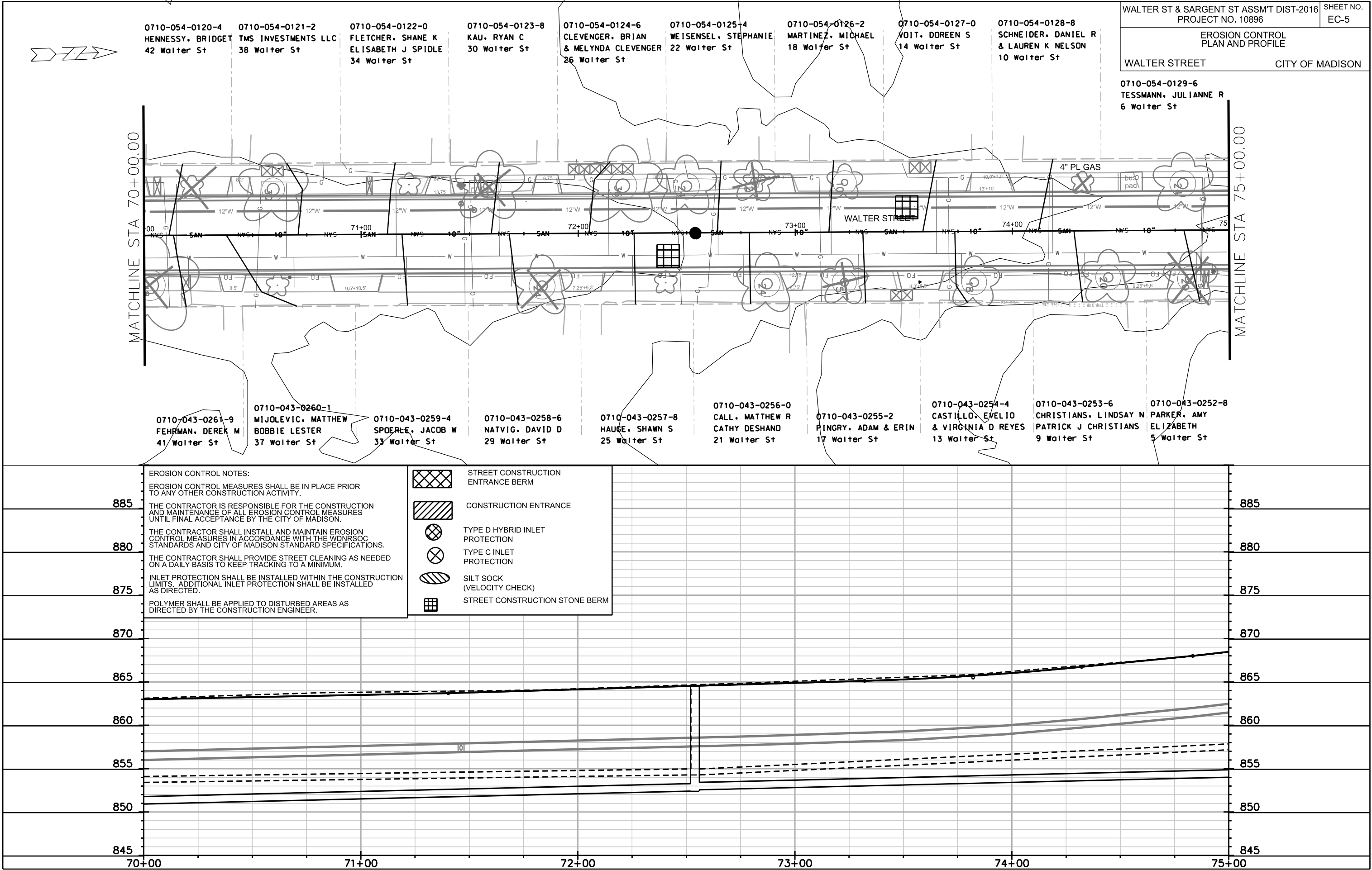
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



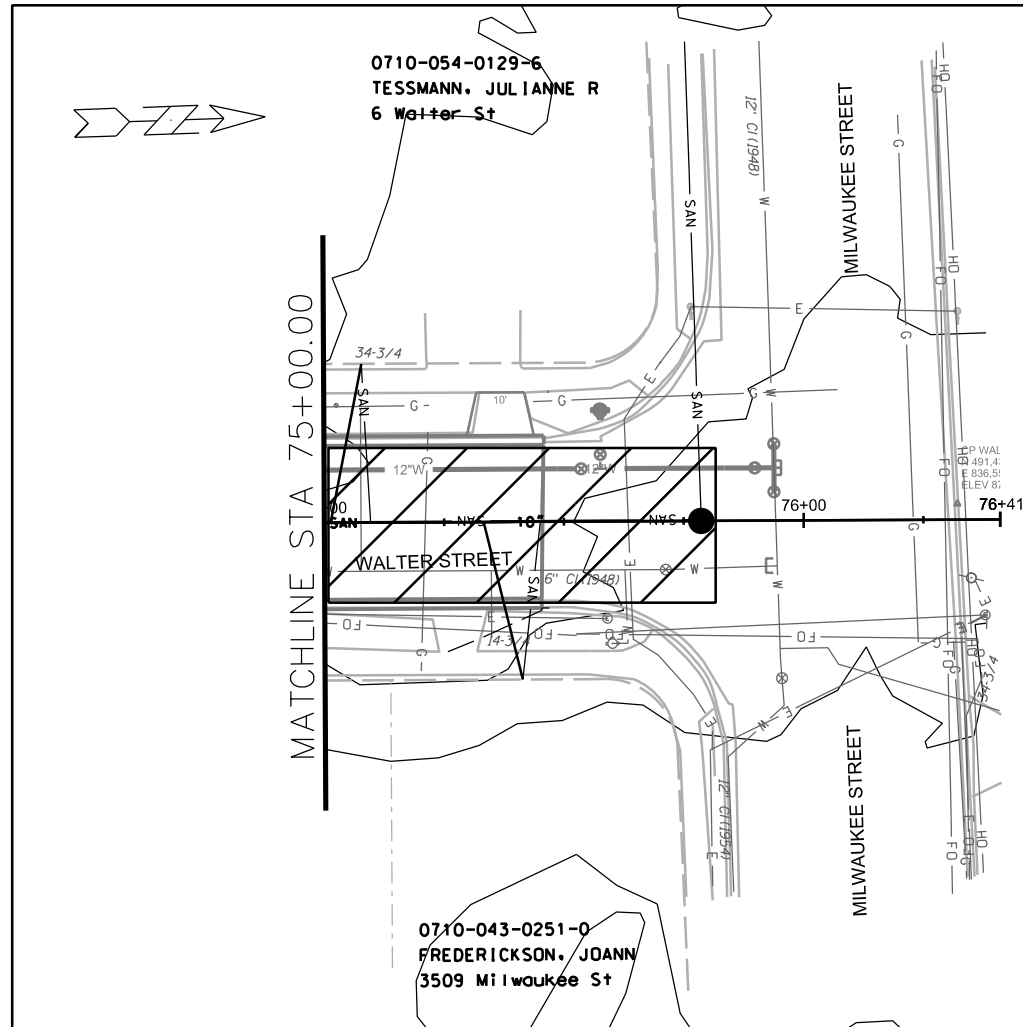


PLOT SCALE: _____

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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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.

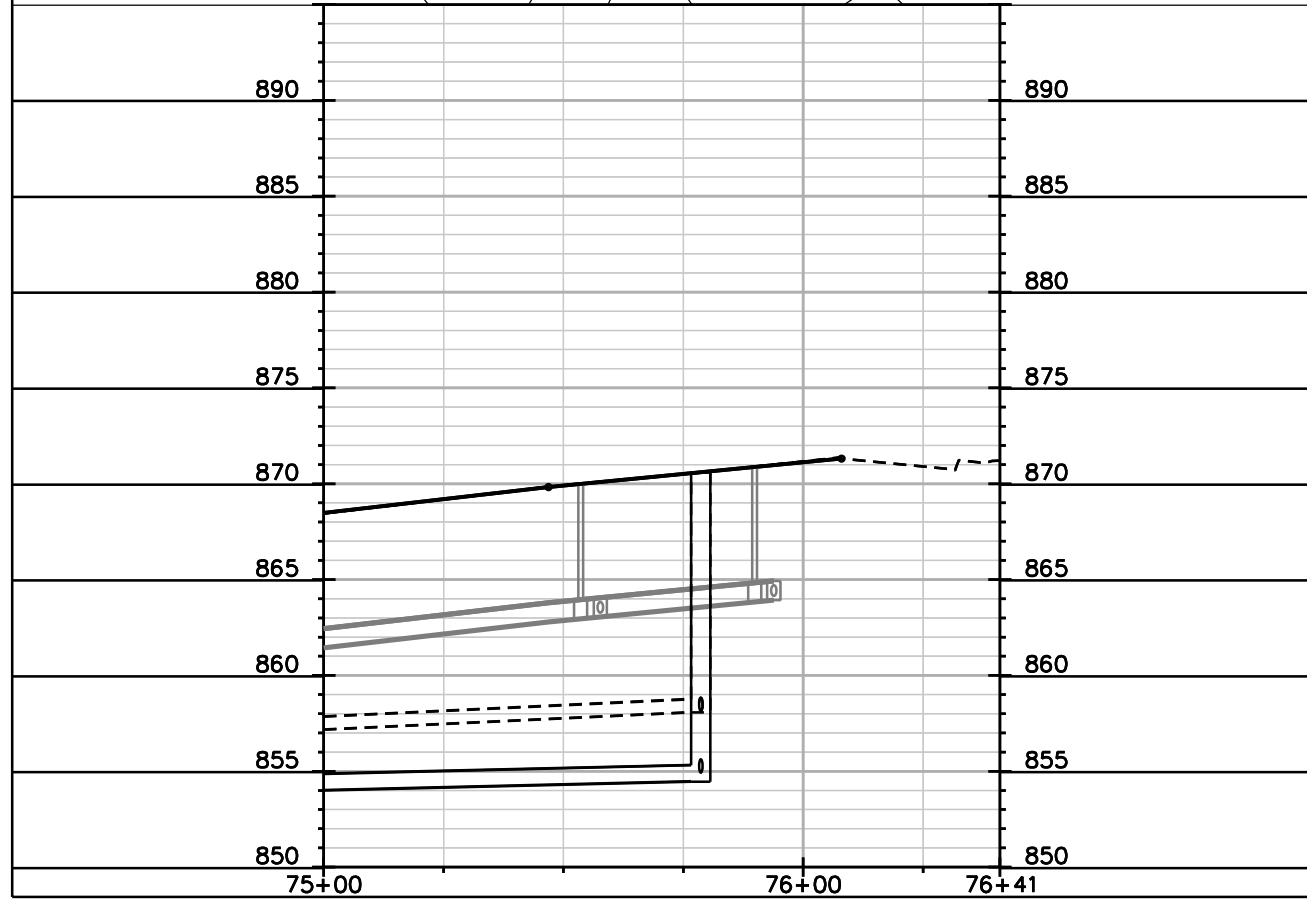
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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.

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

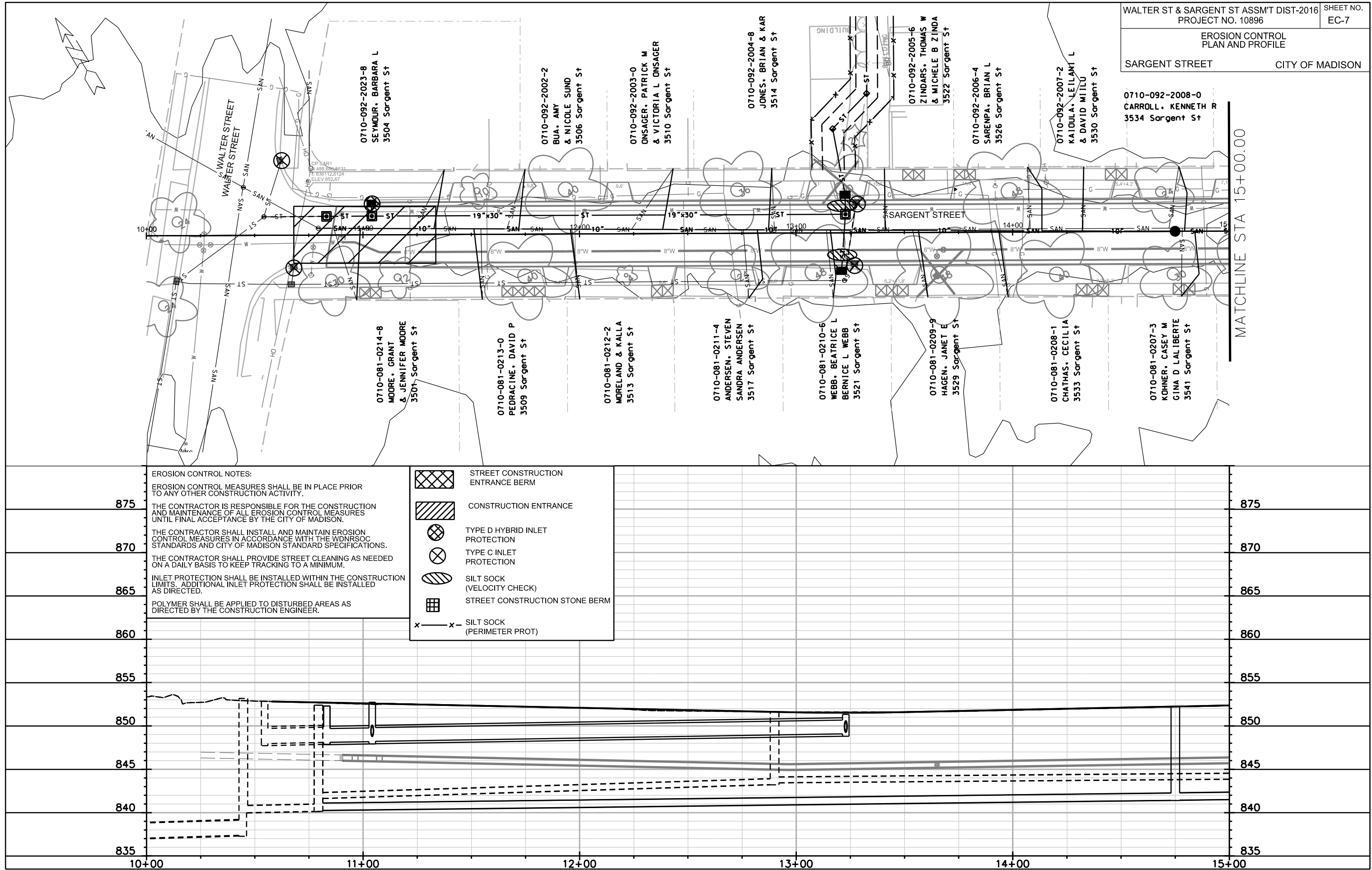


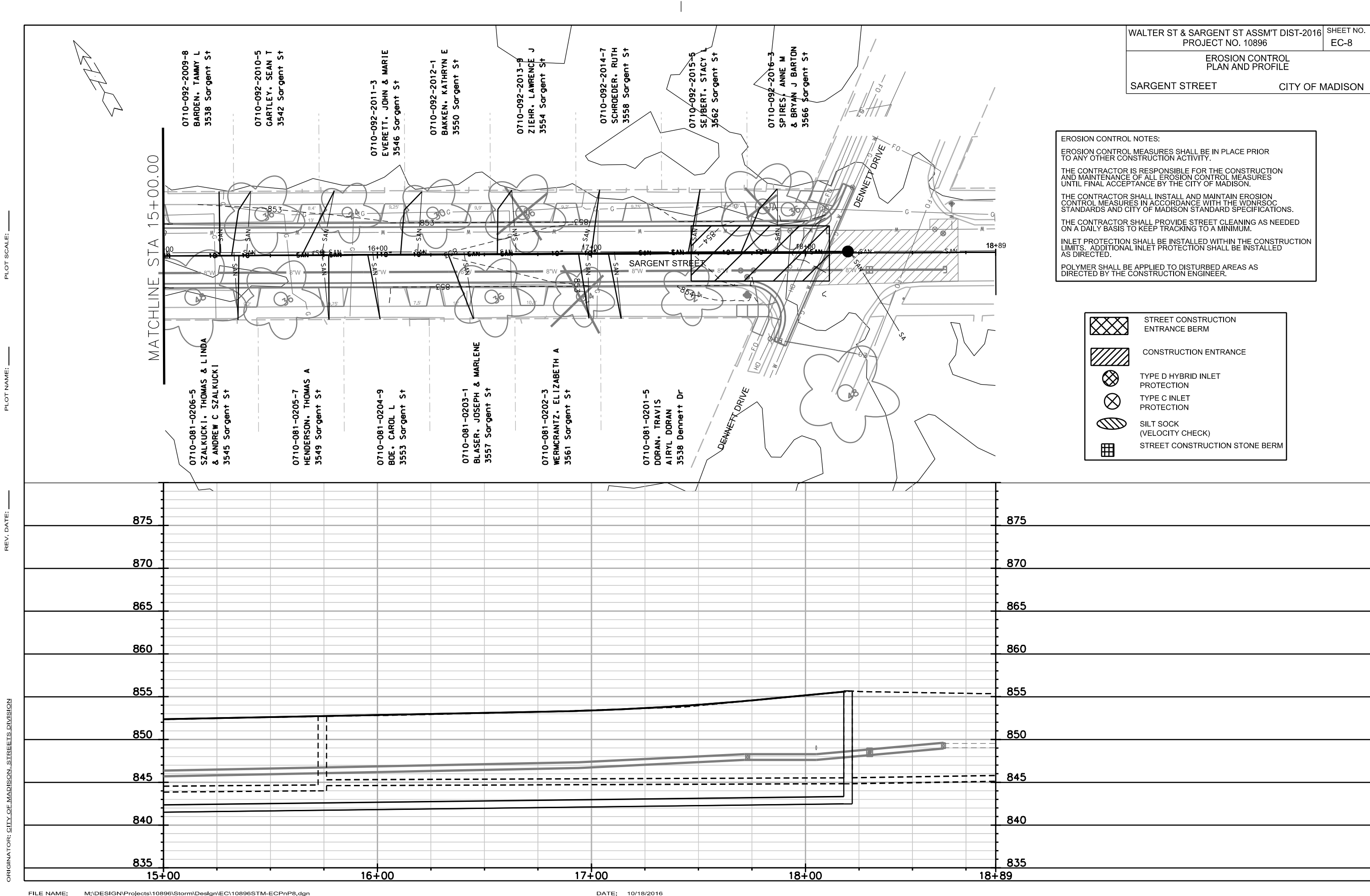
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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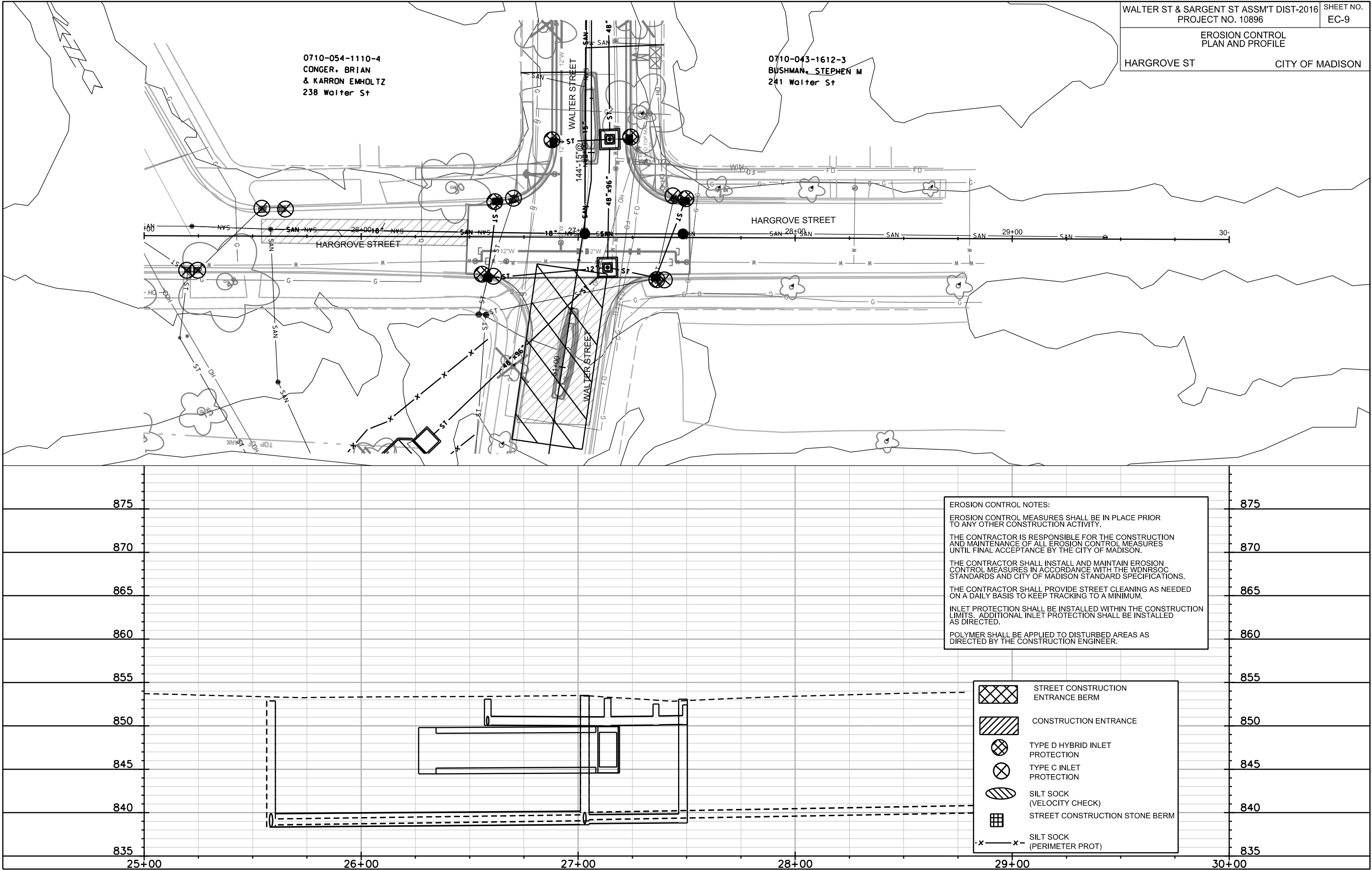
- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT SOCK (VELOCITY CHECK)
- STREET CONSTRUCTION STONE BERM

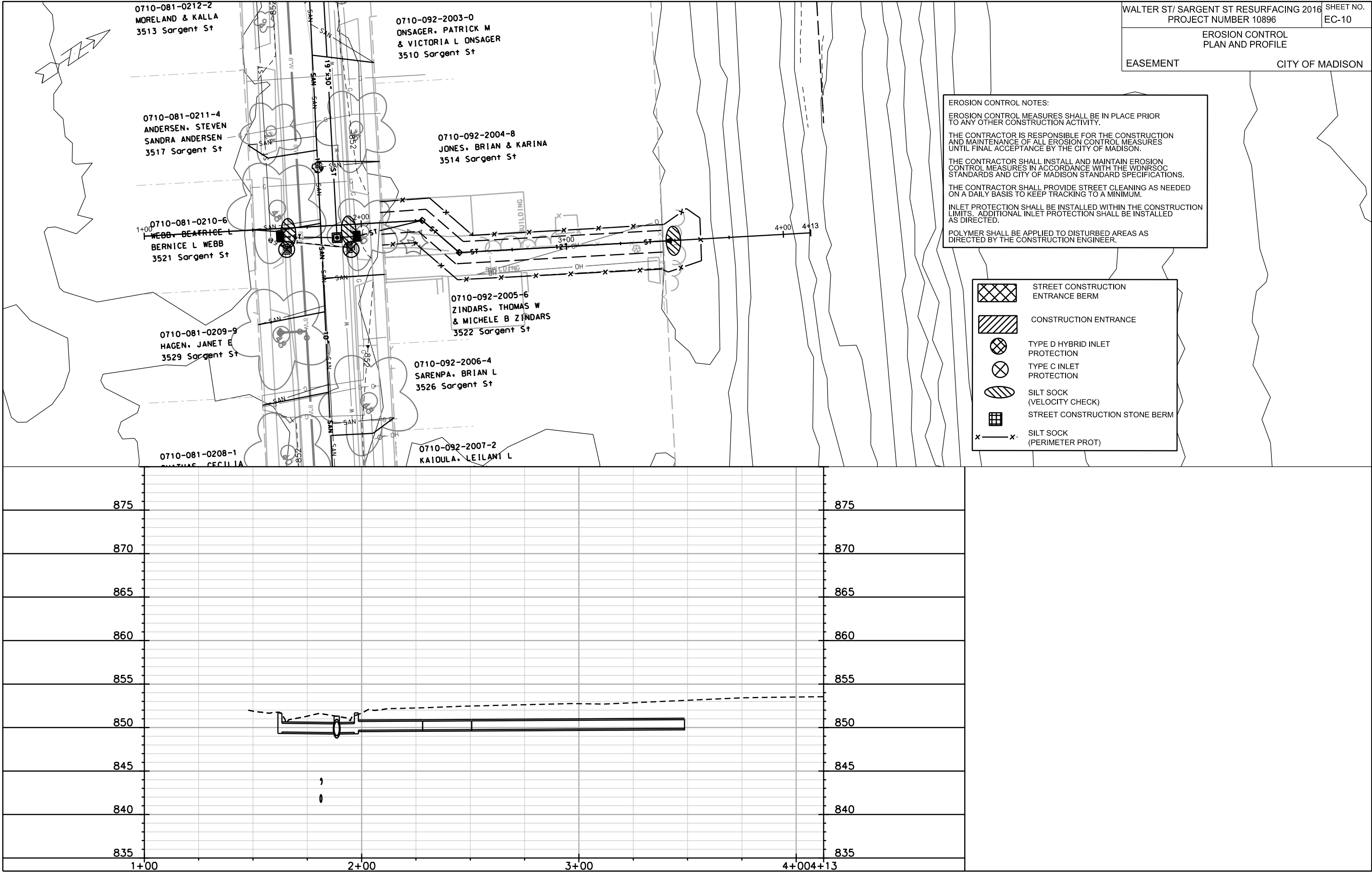
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PLOT NAME: _____

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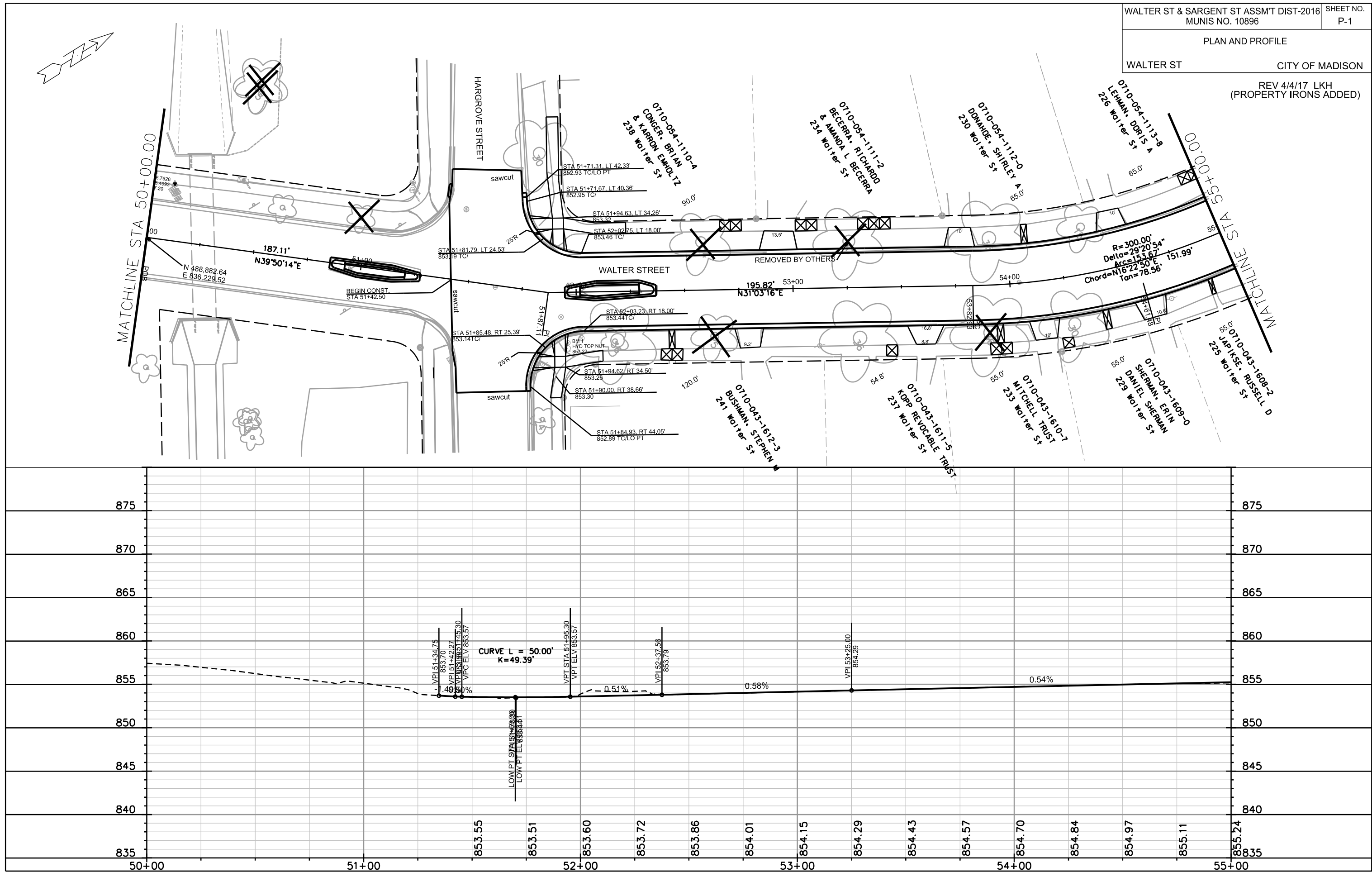


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REV. DATE: _____

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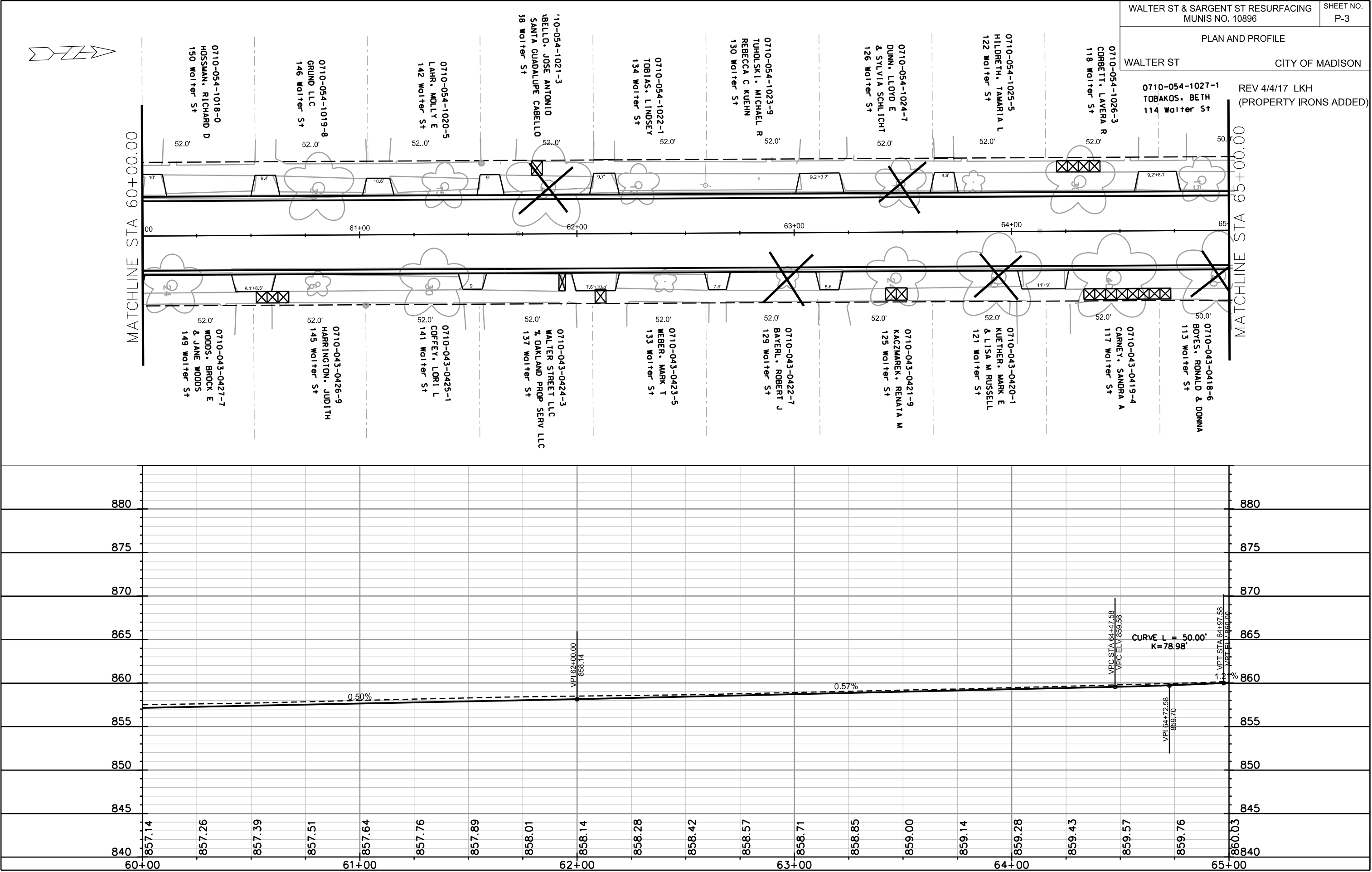


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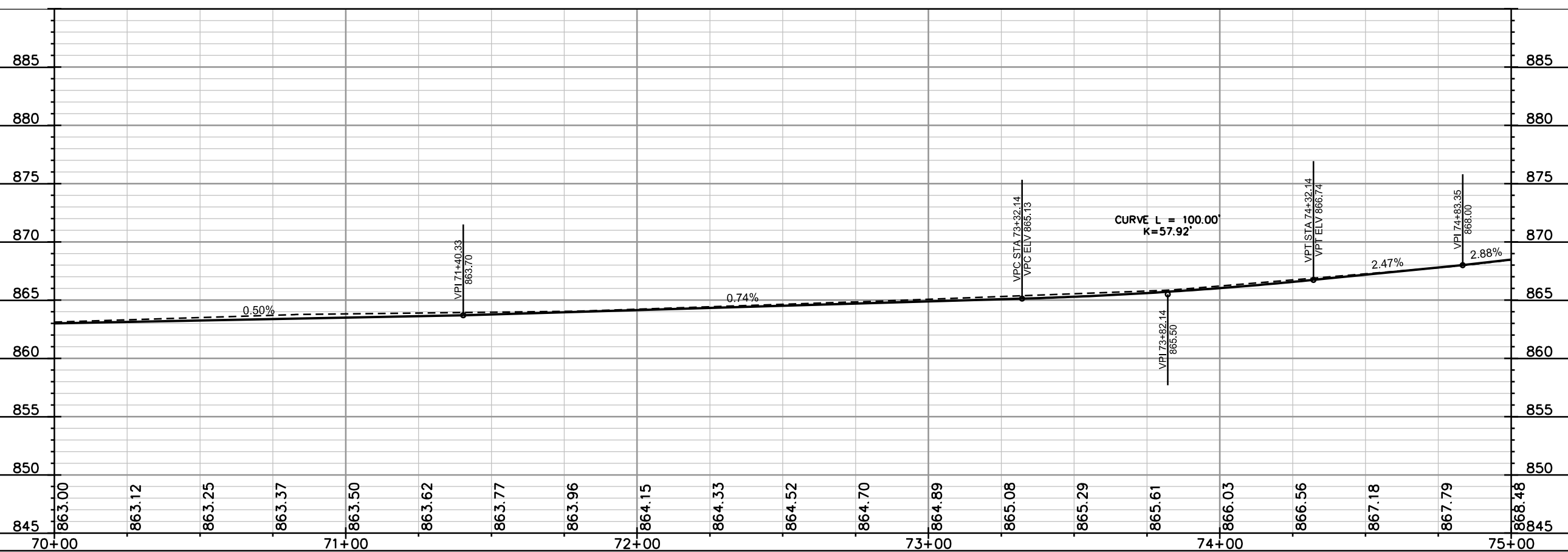
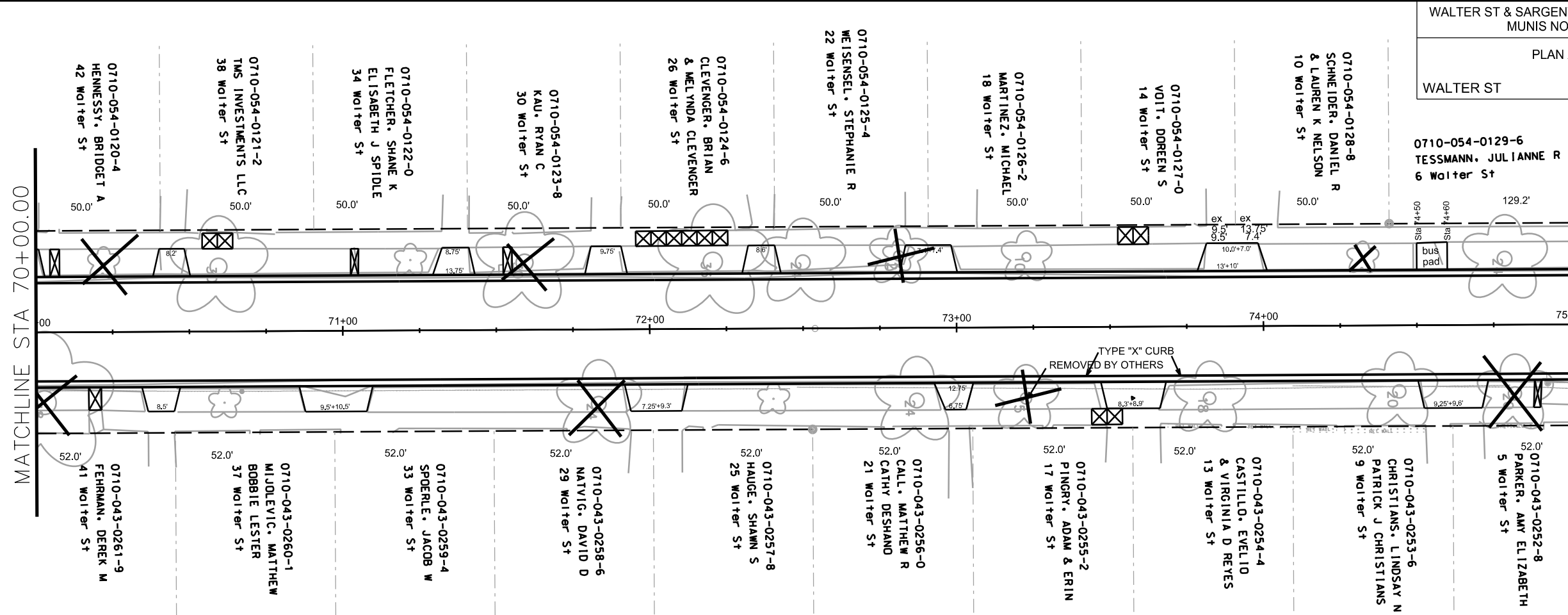
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE	
WALTER ST	CITY OF MADISON

REV 4/4/17 LKH
(PROPERTY IRONS ADDED)

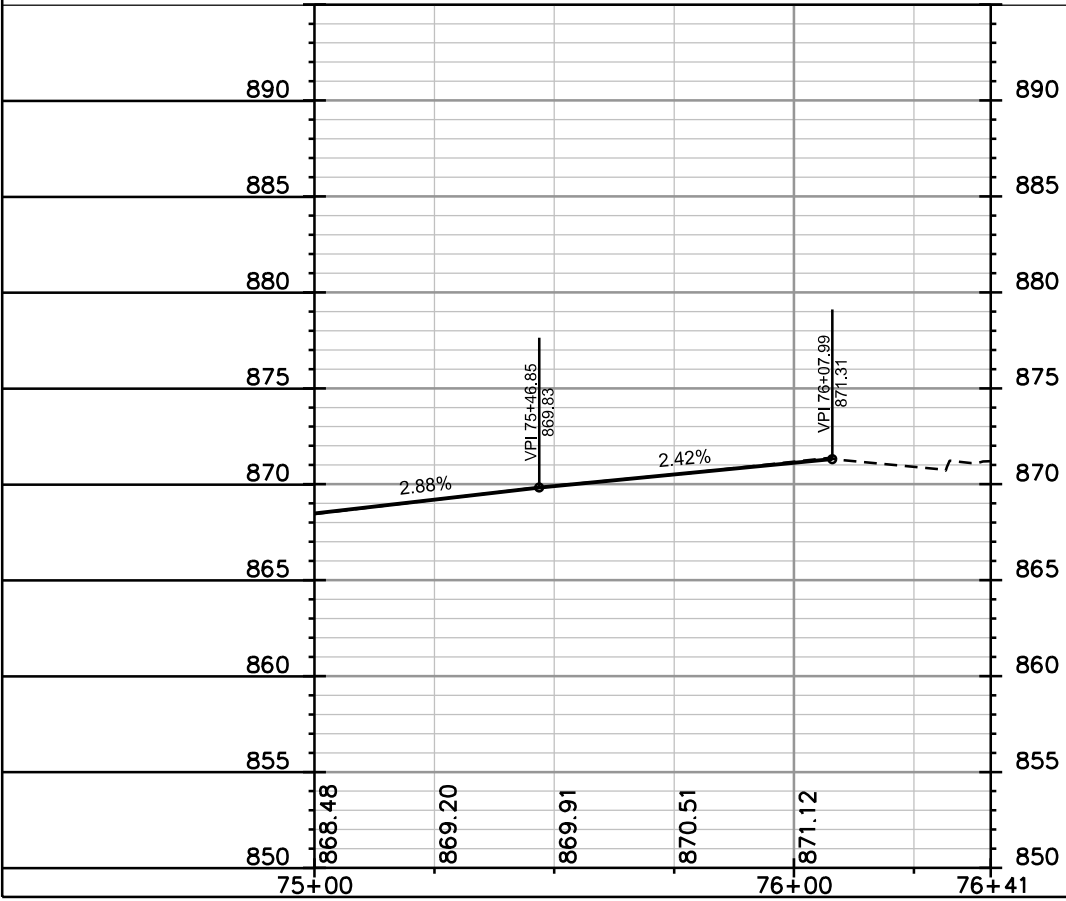
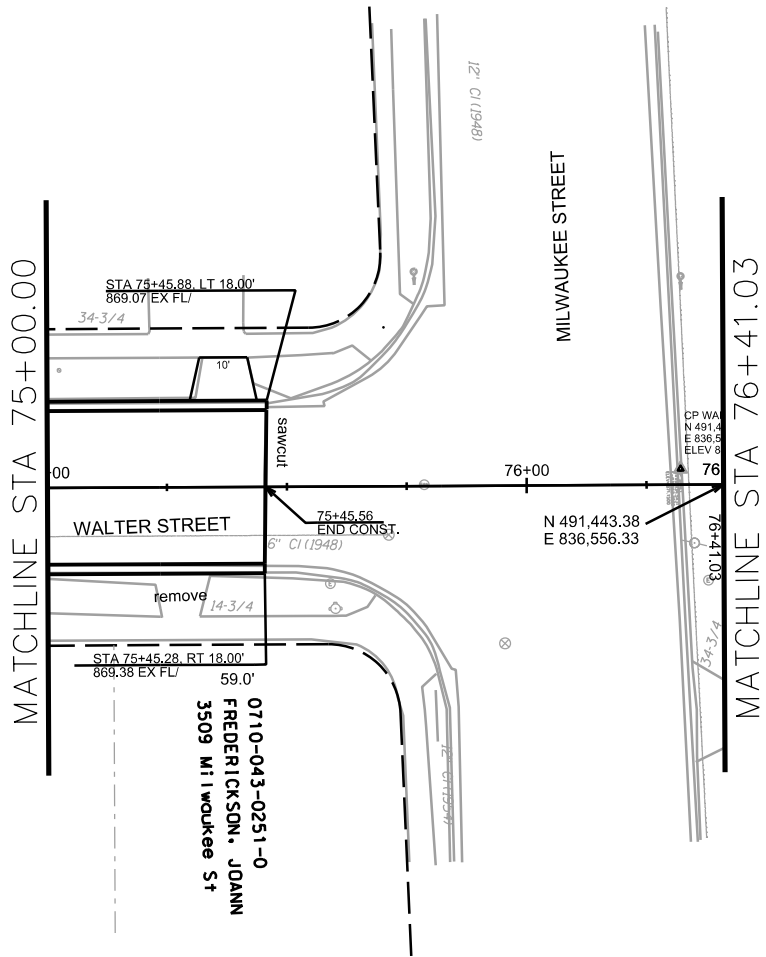
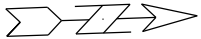


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WALTER ST & SARGENT ST RESURFACING
MUNIS NO. 10896

SHEET NO.
P-6

PLAN AND PROFILE

WALTER ST

CITY OF MADISON

REV 4/4/17 LKH
(PROPERTY IRONS ADDED)

PLOT NAME: _____
PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\10896\Streets\Design\10896EN-Pn7.dgn

DATE: 4/4/2017

WALTER ST & SARGENT ST RESURFACING
MUNIS NO. 10896

SHEET NO.
P-7

PLAN AND PROFILE

SARGENT ST

CITY OF MADISON

0710-092-2008-0
CARROLL, KENNETH R
3534 Sargent St

REV 4/4/17 LKH
(PROPERTY IRONS ADDED)

MATCHLINE STA 10+00.00

MATCHLINE STA 15+00.00

WALTER STREET

0710-092-2023-8
SEYMOUR, BARBARA L
3504 Sargent St

0710-092-2002-2
BUA, AMY
& NICOLE SUND
3506 Sargent St

0710-092-2003-0
ONSAGER, PATRICK M
& VICTORIA L ONSAGER
3510 Sargent St

0710-092-2004-8
JONES, BRIAN & KAR
3514 Sargent St

0710-092-2005-6
ZINDARS, THOMAS W
& MICHELE B ZINDA
3522 Sargent St

0710-092-2006-4
SARENPA, BRIAN L
3526 Sargent St

0710-092-2007-2
KAIDULA, LEILANI L
& DAVID MILU
3530 Sargent St

0710-081-0214-8
MOORE, GRANT
& JENNIFER MOORE
3501 Sargent St

0710-081-0213-0
PEDRACINE, DAVID P
3509 Sargent St

0710-081-0212-2
MORELAND & KALLA
3513 Sargent St

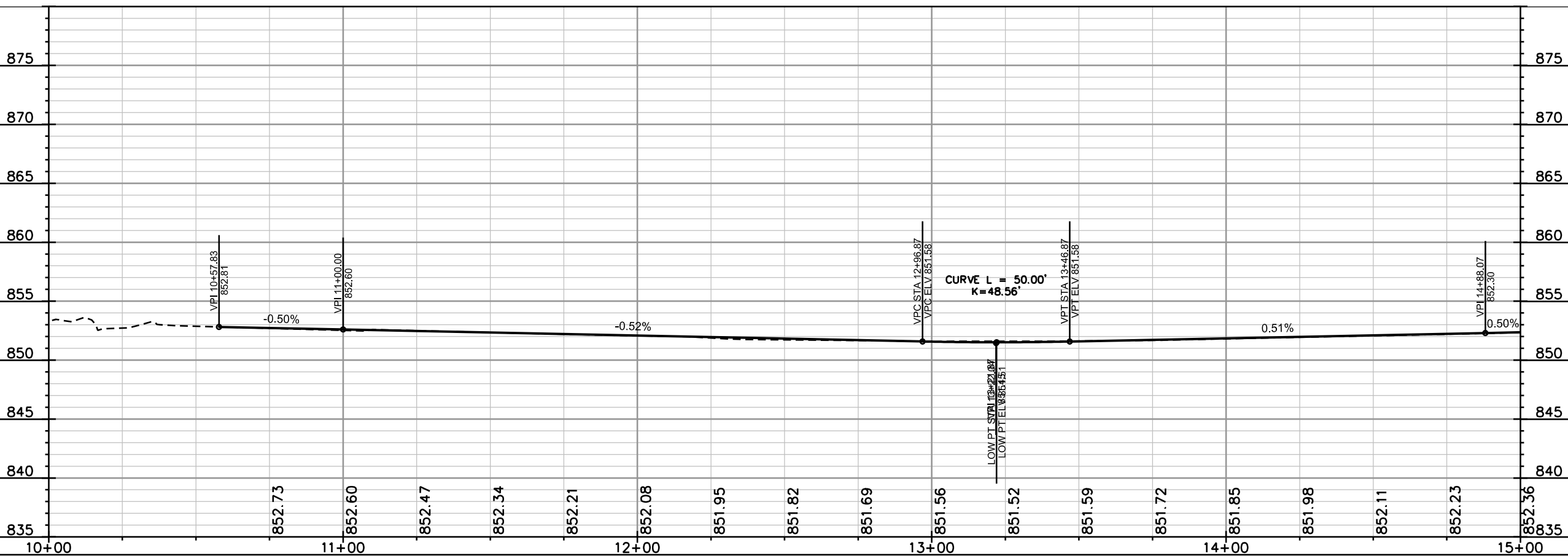
0710-081-0211-4
ANDERSEN, STEVEN
SANDRA ANDERSEN
3517 Sargent St

0710-081-0210-6
WEBB, BEATRICE L
BERNICE L WEBB
3521 Sargent St

0710-081-0209-9
HAGEN, JANET E
3529 Sargent St

0710-081-0208-1
CHATHAS, CECILIA
3533 Sargent St

0710-081-0207-3
KOHNER, CASEY M
CINA D LALIBERTE
3541 Sargent St

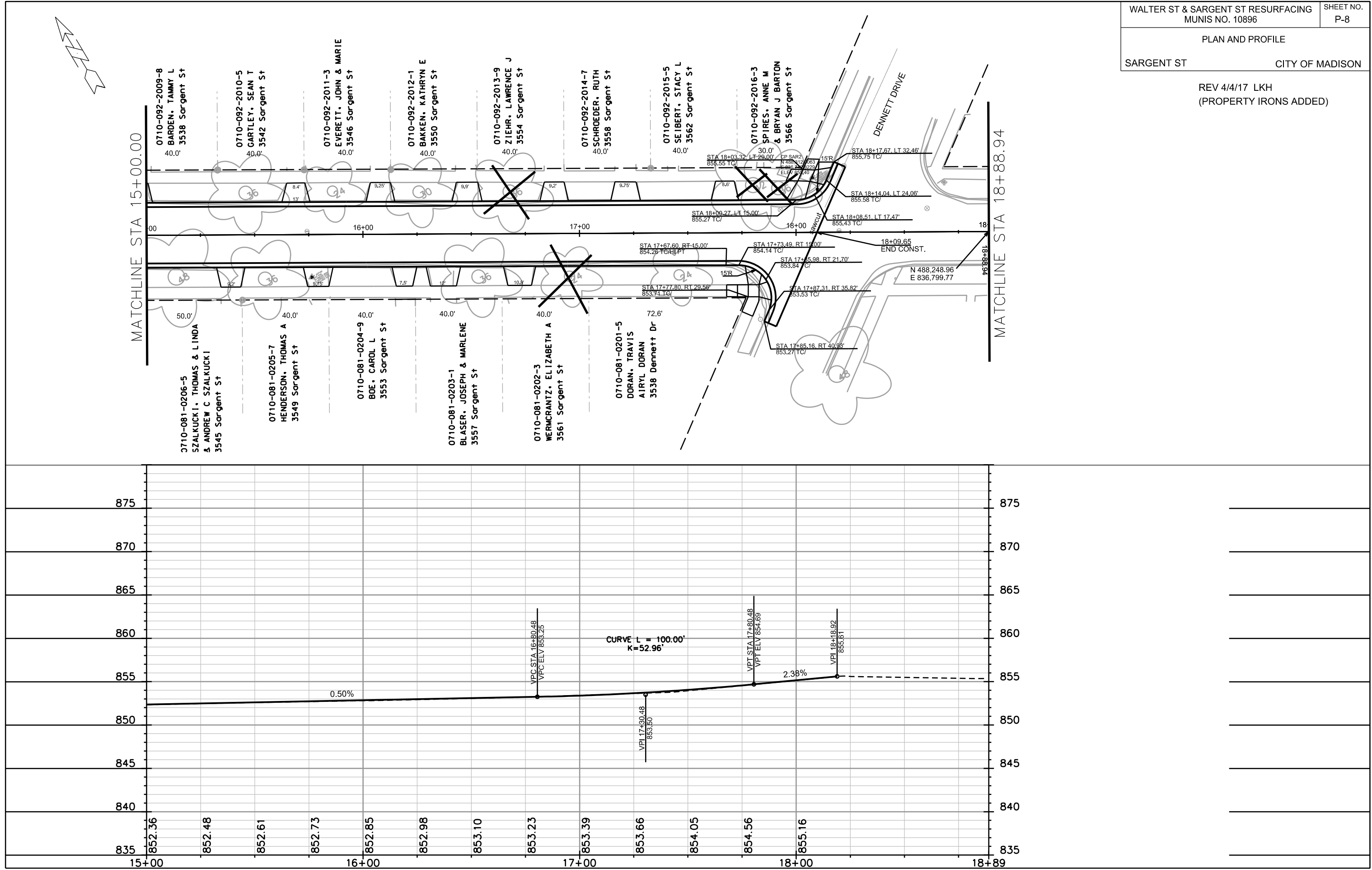


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



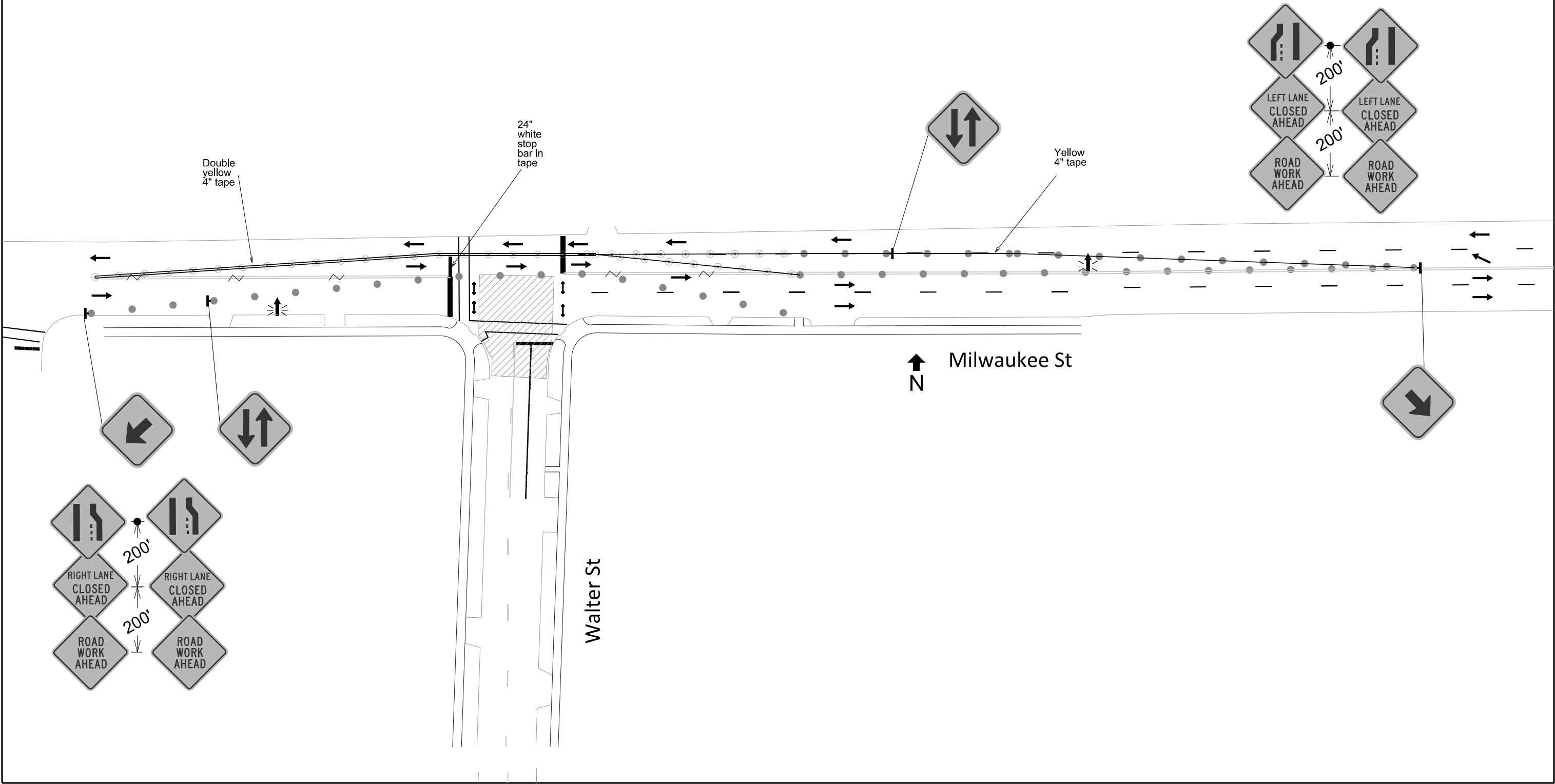
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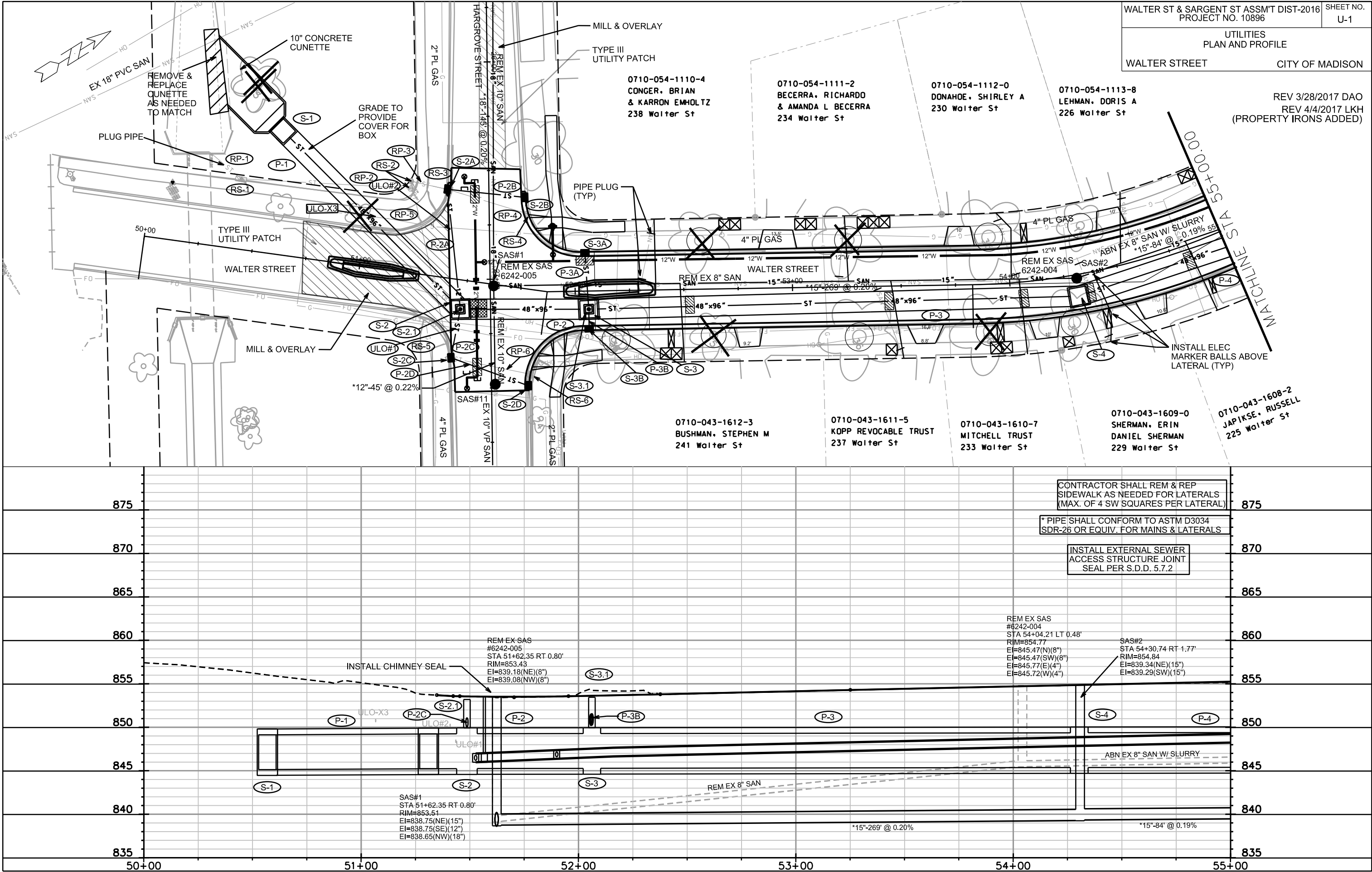
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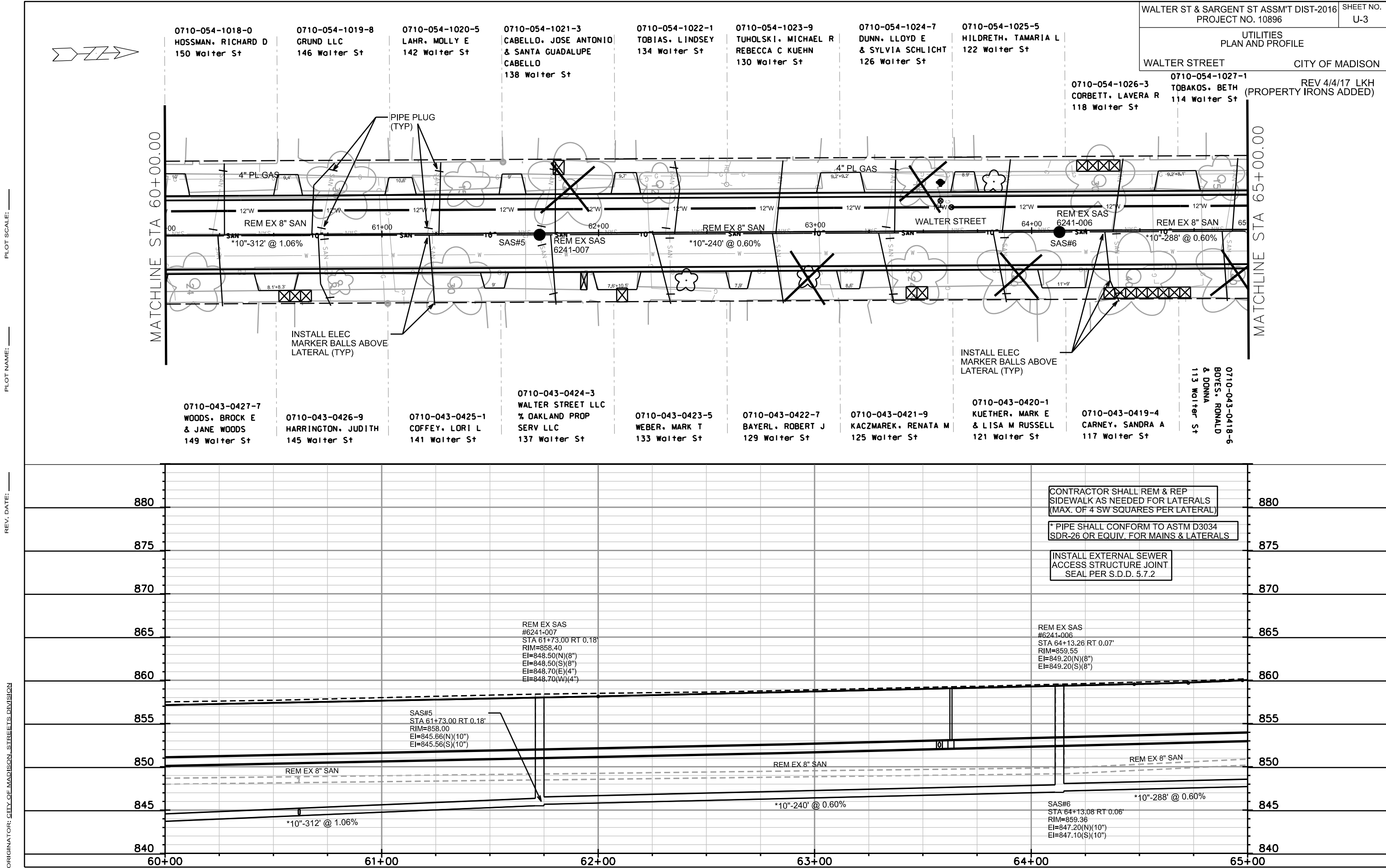
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

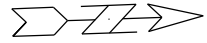
LEGEND	
	Sign
	Traffic Flow
	Arrow Board
	Barrel
	Tubular Marker
	Work Zone
	Barricade
	Pavement Marking Removal





REV 3/28/2017 DAO
REV 4/4/2017 LKH
(PROPERTY IRONS ADDED)





0710-054-1028-9
LAMBRECHT, CASSANDRA
110 Walter St

0710-054-1029-7
BANUELOS, JESSE B
106 Walter St

0710-054-1030-4
BOSBEN, RACHEL ANN
3509 Dawes St

0710-054-0115-5
JONES, MARY J
3510 Dawes St

0710-054-0116-3
BARNES, JACOB E
58 Walter St

0710-054-0117-1
OLSON, FREDRICK J
& PHILENA OLSON
54 Walter St

0710-054-0118-9
CLEVINGER, TRUDI A
50 Walter St

WALTER ST & SARGENT ST ASSM'T DIST-2016
PROJECT NO. 10896

SHEET NO.
U-4

UTILITIES
PLAN AND PROFILE

WALTER STREET

CITY OF MADISON

0710-054-0119-7
AUST, MICHAELA
46 Walter St

REV 3/28/2017 DAO
REV 4/4/17 LKH
(PROPERTY IRONS ADDED)

MATCHLINE STA 65+00.00

MATCHLINE STA 70+00.00

INSTALL ELEC
MARKER BALLS ABOVE
LATERAL (TYP)

INSTALL ELEC
MARKER BALLS ABOVE
LATERAL (TYP)

0710-043-0417-8
KUNTZ, MICHAEL J
109 Walter St

0710-043-0416-0
FRAZIER, RILEY J
105 Walter St

0710-043-0415-2
BENNETT, PAMELA E
3517 Dawes St

0710-043-0266-9
PEDERSEN, DAVID
AND JACQUELINE
PEDERSEN
3518 Dawes St

0710-043-0265-1
ZHANG, TU
57 Walter St

0710-043-0264-3
PETTO, ANDREW J
SARAH G PETTO
53 Walter St

0710-043-0263-5
WEILER, ANDREA
BENJAMIN FELLEZ
49 Walter St

0710-043-0262-7
SCHONBERGER, JOEL R
CLOWERS, KATIE
45 Walter St

885

885

880

880

875

875

870

870

865

865

860

860

855

855

850

850

845

845

65+00

66+00

67+00

68+00

69+00

70+00

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

* PIPE SHALL CONFORM TO ASTM D3034
SDR-26 OR EQUIV. FOR MAINS & LATERALS

INSTALL EXTERNAL SEWER
ACCESS STRUCTURE JOINT
SEAL PER S.D.D. 5.7.2

REM EX SAS
#6241-001
STA 67+01.07 RT 0.29'
RIM=862.71
EI=852.61(N)(8")
EI=852.61(S)(8")

SAS#7
STA 67+00.80 RT 0.16'
RIM=862.71
EI=849.03(N)(10")
EI=848.93(S)(10")

REM EX SAS
#6240-001
STA 69+33.92 LT 0.02'
RIM=862.87
EI=853.37(N)(8")
EI=853.27(S)(8")
EI=853.47(E)(4")
EI=853.42(W)(4")

REM EX 8" SAN

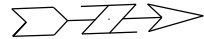
*10"-320' @ 0.60%

SAS#8
STA 69+33.78 LT 0.01'
RIM=862.67
EI=850.53(N)(10")
EI=850.43(S)(10")

REM EX 8" SAN

*10"-288' @ 0.60%

*10"-233' @ 0.60%



0710-054-0120-4
HENNESSY, BRIDGET
42 Walter St

0710-054-0121-2
TMS INVESTMENTS LLC
38 Walter St

0710-054-0122-0
FLETCHER, SHANE K
ELISABETH J SPIDLE
34 Walter St

0710-054-0123-8
KAU, RYAN C
30 Walter St

0710-054-0124-6
CLEVINGER, BRIAN
& MELYNDA CLEVINGER
26 Walter St

0710-054-0125-4
WEISENSEL, STEPHANIE
22 Walter St

0710-054-0126-2
MARTINEZ, MICHAEL
18 Walter St

0710-054-0127-0
VOIT, DOREEN S
14 Walter St

0710-054-0128-8
SCHNEIDER, DANIEL R
& LAUREN K NELSON
10 Walter St

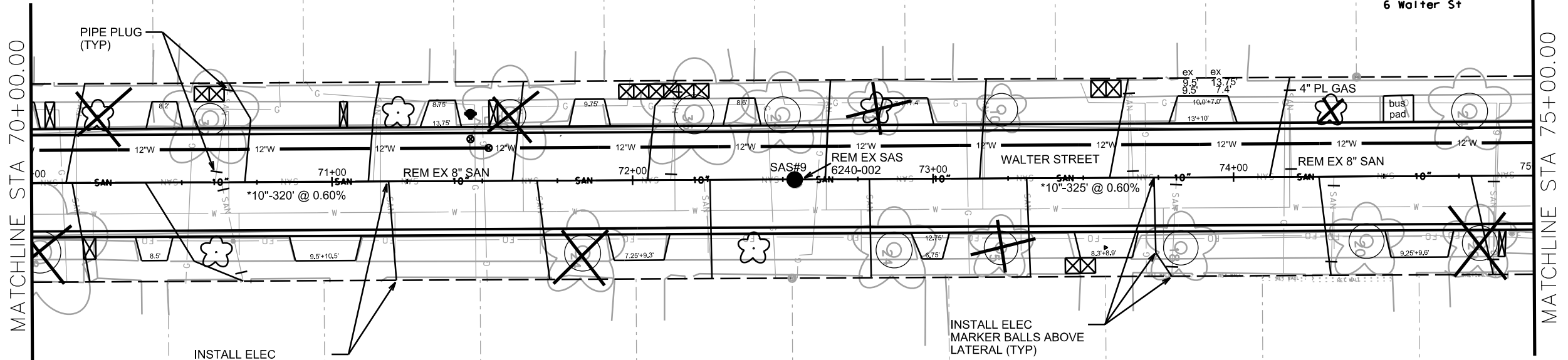
WALTER ST & SARGENT ST ASSM'T DIST-2016
PROJECT NO. 10896

SHEET NO.
U-5

UTILITIES
PLAN AND PROFILE
WALTER STREET CITY OF MADISON

0710-054-0129-6
TESSMANN, JULIANNE R
6 Walter St

REV 4/4/17 LKH
(PROPERTY IRONS ADDED)



0710-043-0261-9
FEHRMAN, DEREK M
41 Walter St

0710-043-0260-1
MIJOLEVIC, MATTHEW
BOBBIE LESTER
37 Walter St

0710-043-0259-4
SPOERLE, JACOB W
33 Walter St

0710-043-0258-6
NATVIG, DAVID D
29 Walter St

0710-043-0257-8
HAUGE, SHAWN S
25 Walter St

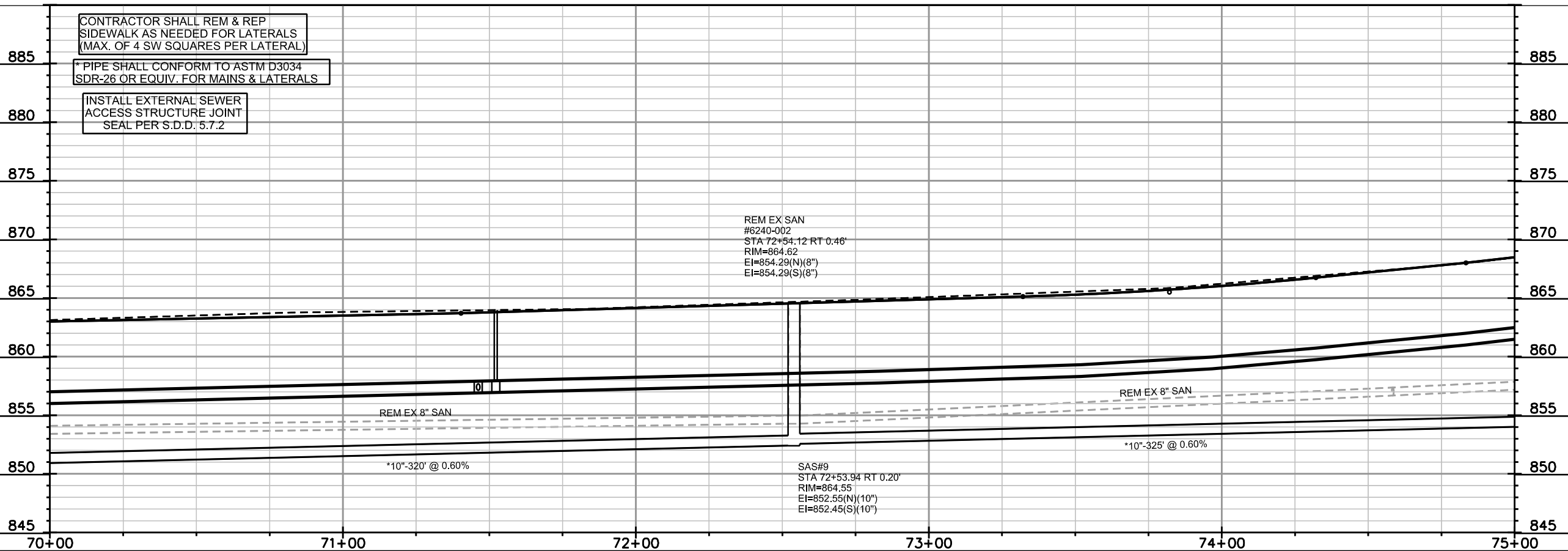
0710-043-0256-0
CALL, MATTHEW R
CATHY DESHAND
21 Walter St

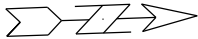
0710-043-0255-2
PINGRY, ADAM & ERIN
17 Walter St

0710-043-0254-4
CASTILLO, EVELIO
& VIRGINIA D REYES
13 Walter St

0710-043-0253-6
CHRISTIANS, LINDSAY N
PATRICK J CHRISTIANS
9 Walter St

0710-043-0252-8
PARKER, AMY
ELIZABETH
5 Walter St

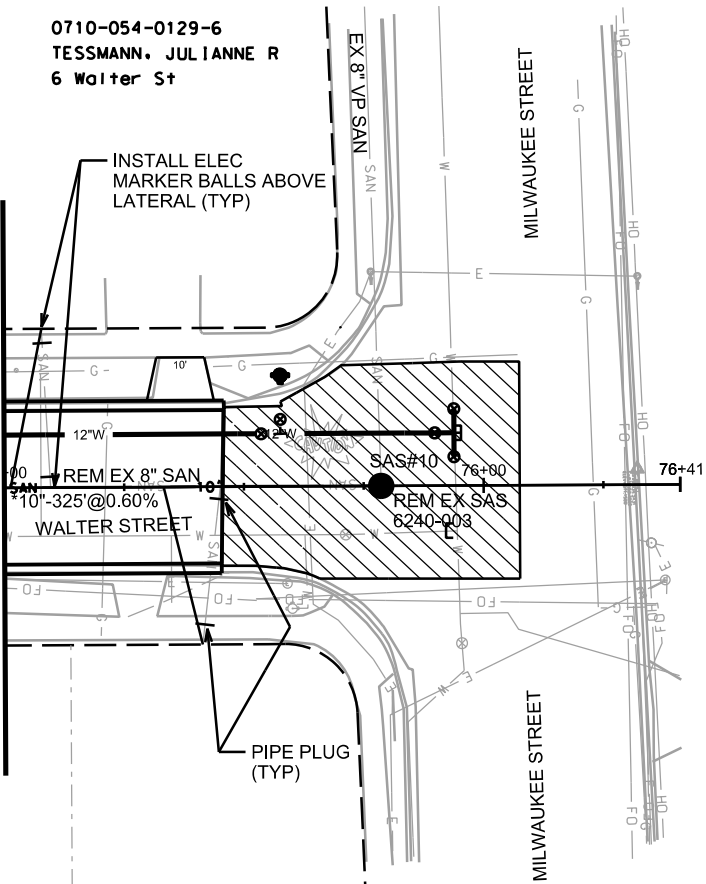




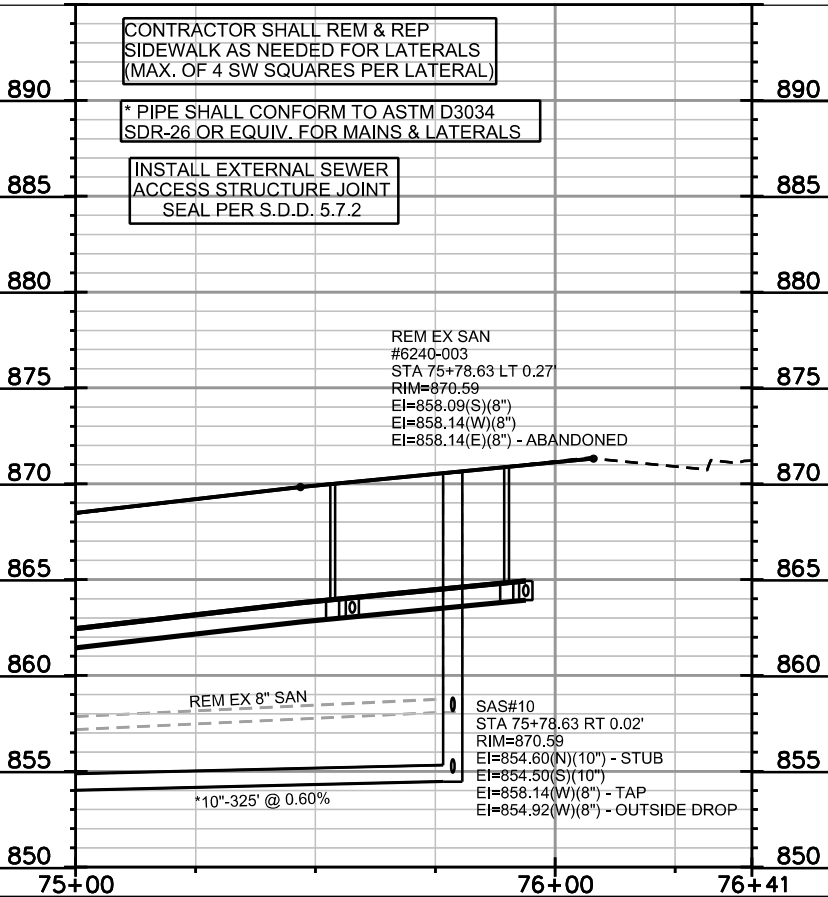
0710-054-0129-6
TESSMANN, JULIANNE R
6 Walter St

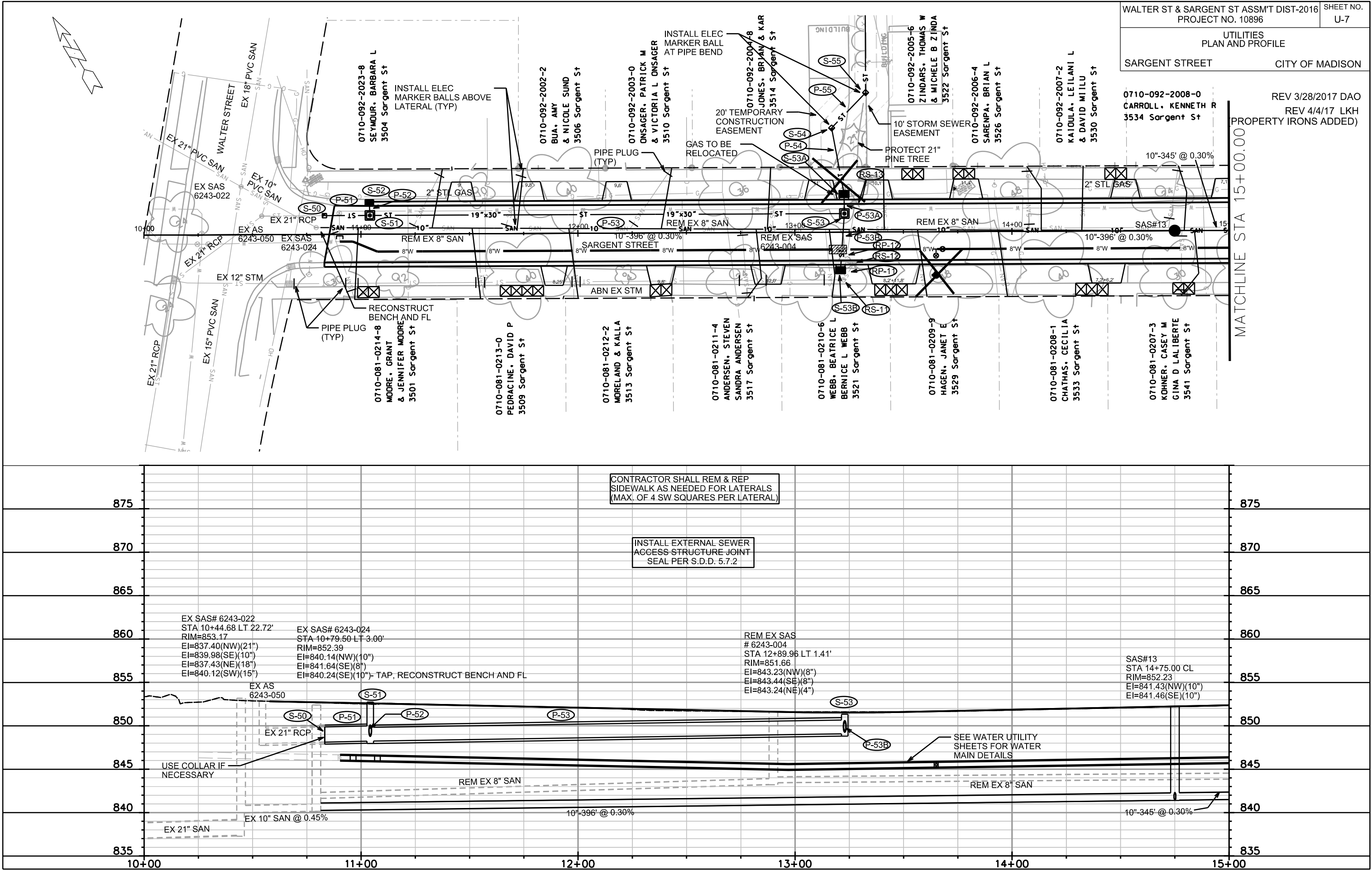
INSTALL ELEC
MARKER BALLS ABOVE
LATERAL (TYP)

MATCHLINE STA 75+00.00



0710-043-0251-0
FREDERICKSON, JOANN
3509 Milwaukee St



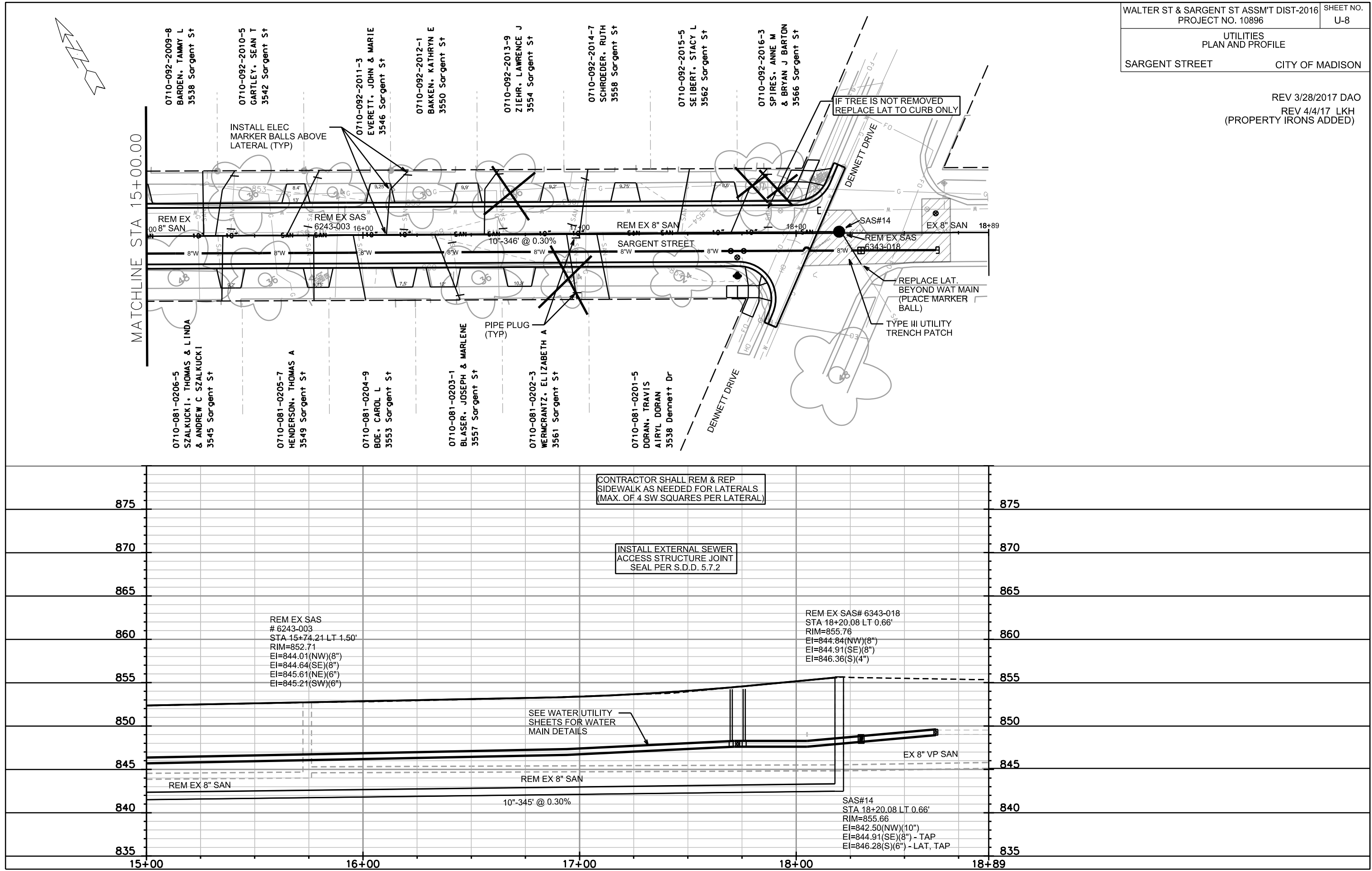


PLOT SCALE: _____

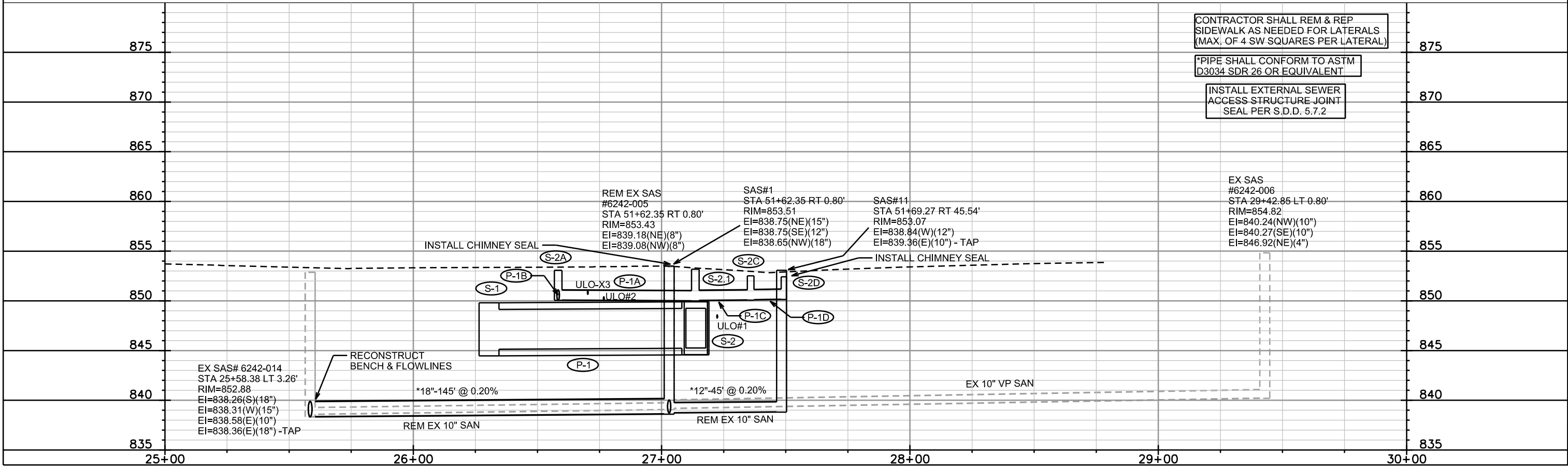
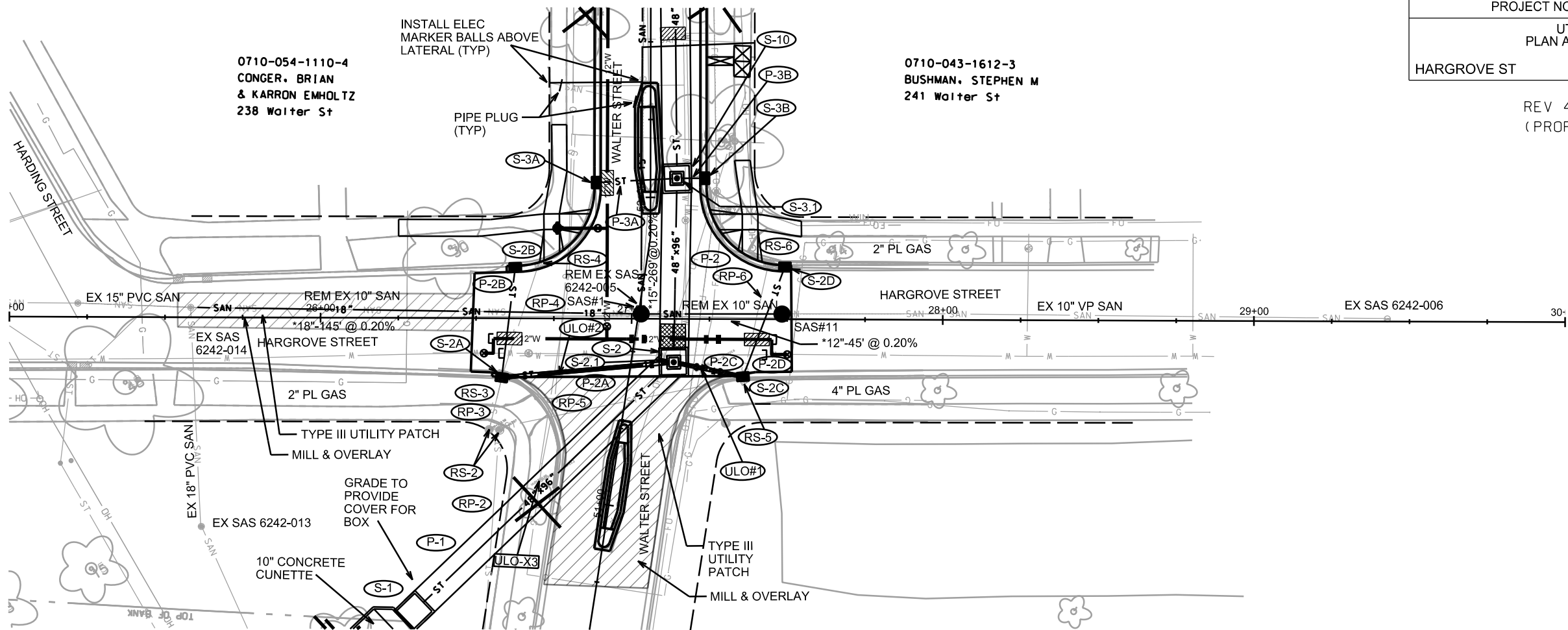
PLOT NAME: _____

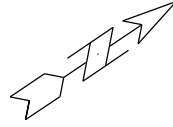
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



REV 4/4/17 LKH
(PROPERTY IRONS ADDED)





0710-081-0212-2
MORELAND & KALLA
3513 Sargent St

0710-081-0211-4
ANDERSEN, STEVEN
SANDRA ANDERSEN
3517 Sargent St

0710-081-0210-6
WEBB, BEATRICE L
BERNICE L WEBB
3521 Sargent St

0710-081-0209-9
HAGEN, JANET E
3529 Sargent St

0710-081-0208-1
CHATHAS, CECILIA
3533 Sargent St

0710-092-2003-0
ONSAGER, PATRICK M
& VICTORIA L ONSAGER
3510 Sargent St

0710-092-2004-8
JONES, BRIAN & KARINA
3514 Sargent St

0710-092-2005-6
ZINDARS, THOMAS W
& MICHELE B ZINDARS
3522 Sargent St

0710-092-2006-4
SARENPA, BRIAN L
3526 Sargent St

0710-092-2007-2
KAILOULA, LEILANI L
& DAVID MIILU
3530 Sargent St

PIPE PLUG
(TYP)

PIPE PLUG
(TYP)

REM EX SAS
6243-004

REM EX 8" SAN
14+00

REM EX 8" SAN
14+00

REM EX 8" SAN
14+00

REM EX 8" SAN
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REM EX 8" SAN
14+00

INSTALL ELEC
MARKER BALL
AT PIPE BEND

10' STORM SEWER
EASEMENT

20' TEMPORARY
CONSTRUCTION EASEMENT

FIELD VERIFY
(ADJUST ALIGNMENT
TO AVOID FENCE
REMOVAL IF POSSIBLE)

REMOVE &
REPLACE FENCE

3514 AND 3522 SARGENT ST:
RESTORE GRAVEL DRIVEWAYS
PAID PER BID ITEM 40102

875

870

865

860

855

850

845

840

835

875

870

865

860

855

850

845

840

835



GRADE TO APRON END
(INCIDENTAL TO S-56)

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 3/28/2017 DAO
REV 4/4/17 LKH
(PROPERTY IRONS ADDED)

SANITARY SEWER SCHEDULE

* REV 03/28/2017 DAO

WALTER ST & SARGENT ST ASSM'T DIST-2016	SHEET NO.
PROJECT NO. 10896	U-11
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING (FT)	E.I. (FT)	DEPTH (FT)	NOTES
WALTER ST						
SAS#1	51+62.35	RT-0.80	853.51	838.65	14.86	INSTALL CHIMNEY SEAL; SEAL JOINTS
SAS#2	54+30.74	RT-1.77	854.84	839.29	15.55	SEAL JOINTS
SAS#3	55+14.86	RT-0.60	855.31	839.50	15.81	SEAL JOINTS
SAS#4	58+61.25	LT-0.32	857.60	840.24	17.36	SEAL JOINTS
SAS#5	61+73.00	RT-0.18	858.00	845.56	12.44	SEAL JOINTS
SAS#6	64+13.08	RT-0.06	859.36	847.10	12.26	SEAL JOINTS
SAS#7	67+00.80	RT-0.16	862.71	848.93	13.78	SEAL JOINTS
SAS#8	69+33.78	LT-0.01	862.67	850.43	12.24	SEAL JOINTS
SAS#9	72+53.94	RT-0.20	864.55	852.45	12.10	SEAL JOINTS
SAS#10	75+78.63	RT-0.02	870.59	854.50	16.09	SEAL JOINTS
SAS#11	51+69.27	RT-45.54	853.07	838.84	14.23	INSTALL CHIMNEY SEAL; SEAL JOINTS
* SAS#12	58+60.78	RT-52.62	856.84	840.44	16.40	INSTALL CHIMNEY SEAL; SEAL JOINTS
SARGENT ST						
SAS#13	14+75.00	CL	852.23	841.43	10.80	SEAL JOINTS
SAS#14	18+20.08	LT-0.66	855.66	842.50	13.16	SEAL JOINTS

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	EX EI	DEPTH	NOTES
WALTER ST						
6242-005	51+62.35	RT-.80	853.43	839.08	14.35	
6242-004	54+04.21	LT-.48	854.77	845.47	9.30	
6242-001	55+86.37	LT-.58	855.76	846.26	9.50	
6241-014	58+61.25	LT-.32	857.71	847.61	10.10	
6241-007	61+73.00	RT-.18	858.40	848.50	9.90	
6241-006	64+13.26	RT-.07	859.55	849.20	10.35	
6241-001	67+01.07	RT-.29	862.71	852.61	10.10	
6240-001	69+53.92	LT-.02	862.87	853.27	9.60	
6240-002	72+54.12	RT-.46	864.62	854.29	10.33	
6240-003	75+78.63	LT-.27	870.59	858.09	12.50	
SARGENT ST						
6243-004	12+89.96	LT-1.41	851.66	843.23	8.43	
6243-003	15+74.21	LT-1.50	852.71	844.01	8.70	
6343-018	18+20.08	LT-0.66	855.67	844.84	10.83	

SPECIFIC NOTES

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	DISCH. E.I. (FT)	INLET E.I. (FT)	SLOPE (%)	SIZE (DIA) (IN)	TYPE	NOTES
WALTER ST								
6242-014	SAS #1	145	838.36	838.65	0.20%	18"	SDR 26	TAP; RECONSTRUCT BENCH &FL
SAS #1	SAS #2	269	838.75	839.29	0.20%	15"	SDR 26	
SAS #1	SAS #11	45	838.75	838.84	0.20%	12"	SDR 26	
SAS #2	SAS #3	84	839.34	839.50	0.19%	15"	SDR 26	
SAS #3	SAS #4	346	839.55	840.24	0.20%	15"	SDR 26	
SAS #4	SAS #5	312	842.24	845.56	1.06%	10"	SDR 26	
* SAS #4	SAS #12	49	840.34	840.44	0.20%	15"	SDR 26	
SAS #5	SAS #6	240	845.66	847.10	0.60%	10"	SDR 26	
SAS #6	SAS #7	288	847.20	848.93	0.60%	10"	SDR 26	
SAS #7	SAS #8	233	849.03	850.43	0.60%	10"	SDR 26	
SAS #8	SAS #9	320	850.53	852.45	0.60%	10"	SDR 26	
SAS #9	SAS #10	325	852.55	854.50	0.60%	10"	SDR 26	
SARGENT ST								
6243-024	SAS #13	396	840.24	841.43	0.30%	10"	SDR 35	TAP; RECONSTRUCT BENCH &FL
SAS #13	SAS #14	345	841.46	842.50	0.30%	10"	SDR 35	

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)	NOTES
WALTER ST					
6242-014	6242-005	145	N	10"	
6242-005	6242-004	242	N	8"	
6242-001	6241-014	275	N	8"	
6241-014	6241-007	312	N	8"	
6241-007	6241-006	240	N	8"	
6241-006	6241-001	288	N	8"	
6241-001	6240-001	253	N	8"	
6240-001	6240-002	300	N	8"	
6240-002	6240-003	325	N	8"	
SARGENT ST					
6243-024	6243-004	211	N	8"	
6243-004	6243-003	284	N	8"	
6243-003	6343-018	246	N	8"	

SANITARY PIPE ABANDONMENTS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)	NOTES
6242-004	6242-001	180	Y	8"	ABN W/SLURRY

STORM SEWER SCHEDULE

* REV 03/28/2017 DAO

WALTER ST & SARGENT ST ASSM'T DIST-2016	SHEET NO.
PROJECT NO. 10896	U-12
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WALTER ST							
S-1	50+53.05	LT-59.37	Box End	849.80	845.13	4.67	(4)
S-2	51+48.62	RT-13.55	Box Bend	849.92	845.25	4.67	(5)
S-2.1	51+48.62	RT-13.55	3x3 SAS Modified	853.18	849.92	3.26	W/1550-0054 (1)
S-2A	51+35.28	LT-40.31	H Inlet	853.08	850.08	3.00	FP;W/3067-7004-V
S-2B	51+70.97	LT-41.45	H Inlet	852.93	850.12	2.81	LP;FP;W/3067-7004-VB
S-2C	51+47.43	RT-36.24	H Inlet	852.52	850.10	2.42	FP;W/3067-7004-V
S-2D	51+84.44	RT-44.13	H Inlet	852.89	850.17	2.72	LP;FP;W/3067-7004-VB
S-3	52+06.10	RT-8.49	Box Bend	849.94	845.27	4.67	(5)
S-3.1	52+06.10	RT-8.49	3x3 SAS Modified	853.44	849.94	3.50	W/1550-0054 (1)
S-3A	52+04.75	LT-17.50	H Inlet	853.46	850.43	3.03	W/3067-7004-V
S-3B	52+06.15	RT-17.50	H Inlet	853.44	850.44	3.00	W/3067-7004-V
S-4	54+30.33	RT-10.08	Box Bend	850.03	845.36	4.67	(5)
S-5	55+17.22	RT-9.98	Box Bend	850.06	845.39	4.67	(5)
S-6	58+06.55	RT-8.61	Box Bend	850.17	845.50	4.67	(5)
S-7	58+45.36	RT-51.37	Box End	850.19	845.52	4.67	-
S-7A	58+43.92	RT-47.09	H Inlet Modified	856.79	850.19	6.60	LP;W/3067-7004-VB (1)
S-8	58+78.93	RT-46.52	H Inlet	856.75	851.49	5.26	LP;FP;W/3067-7004-VB
S-9	59+04.45	RT-18.09	H Inlet	856.72	851.97	4.75	LP;W/3067-7004-VB
S-10	59+04.44	LT-16.90	H Inlet	856.74	852.42	4.32	W/3067-7004-V
* S-11	58+75.55	LT-44.63	H Inlet	856.45	853.01	3.44	LP;W/3067-7004-VB
S-12	58+46.56	LT-44.99	H Inlet	856.82	853.32	3.50	LP;W/3067-7004-VB
S-13	67+15.45	LT-40.93	3x3 SAS w/ H	861.03	857.54	3.49	W/3067-7004-V
S-13A	66+86.37	LT-45.67	H Inlet	861.23	857.94	3.29	W/3067-7004-V
S-13B	67+43.87	LT-17.20	H Inlet	861.79	857.56	4.23	W/3067-7004-V
S-14	67+44.25	RT-17.80	H Inlet	861.76	857.61	4.15	W/3067-7004-V
* S-15	67+15.72	RT-46.31	H Inlet	861.24	858.29	2.95	FP;LP;W/3067-7004-VB
* S-16	66+86.76	RT-46.32	H Inlet	861.67	858.52	3.15	W/3067-7004-VB
SARGENT ST							
* S-50	10+83.22	LT-8.66	COLLAR	-	848.11	-	USE IF NECESSARY
S-51	11+04.17	LT-8.68	3X3 SAS	852.72	848.18	4.54	FP; W/1550-0054
S-52	11+03.96	LT-14.50	H Inlet	852.53	849.10	3.63	LP;W/3067-7004-VB
S-53	13+22.85	LT-8.54	3X3 SAS	851.32	849.08	2.24	FP; (1);W/1550-0054
S-53A	13+22.70	LT-17.58	Terrace Inlet III	851.62	849.44	2.25	LP;FP; SEE S.D.D. 5.7.12 (B)(3)
S-53B	13+20.93	RT-17.59	Terrace Inlet III	851.62	849.49	2.18	LP;FP; SEE S.D.D. 5.7.12 (B)(3)
S-54	13+17.13	LT-48.07	Bend	849.73	849.73	-	PLACE MARKER BALL (5)
S-55	12+32.85	LT-64.30	Bend	849.76	849.76	-	PLACE MARKER BALL (5)
S-56	13+32.93	LT-162.23	12" AE	850.90	849.90	-	W/GATE

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 (IN)	TYPE	NOTES
WALTER ST										
P-1	S-1	S-2	845.13	845.25	116	106.0	0.11%	48"X96"	BOX RCP	(2)
P-2	S-2	S-3	845.25	845.27	59	51.0	0.04%	48"X96"	BOX RCP	(2)
* P-2A	S-2.1	S-2A	850.02	850.08	56	52.5	0.11%	12"	C900	NMC; (7)
P-2B	S-2A	S-2B	850.08	850.12	36	34.0	0.12%	12"	C900	-
P-2C	S-2.1	S-2C	850.05	850.10	23	19.5	0.26%	12"	C900	NMC
P-2D	S-2C	S-2D	850.12	850.17	38	36.0	0.14%	12"	C900	-
P-3	S-3	S-4	845.27	845.36	226	217.5	0.04%	48"X96"	BOX RCP	(2)
P-3A	S-3.1	S-3A	850.33	850.43	26	23.5	0.43%	12"	RCP	NMC
P-3B	S-3.1	S-3B	850.40	850.44	9	6.5	0.62%	12"	RCP	NMC
P-4	S-4	S-5	845.36	845.39	90	81.5	0.04%	48"X96"	BOX RCP	(2)
P-5	S-5	S-6	845.39	845.50	290	282.0	0.04%	48"X96"	BOX RCP	(2)
P-6	S-6	S-7	845.50	845.52	55	43.5	0.05%	48"X96"	BOX RCP	(2)
P-7	S-7A	S-8	851.14	851.49	35	33.0	1.06%	15"	RCP	-
* P-8	S-8	S-9	851.59	851.97	38	35.5	1.07%	15"	RCP	(7)
P-9	S-9	S-10	852.07	852.42	35	33.0	1.06%	15"	RCP	-
* P-10	S-10	S-11	852.82	853.01	40	38.0	0.50%	12"	RCP	-
* P-11	S-11	S-12	853.11	853.32	29	27.0	0.78%	12"	RCP	-
P-12	AS 6241-024	S-13	857.52	857.54	10	6.0	0.33%	15"	RCP	(6)
P-12A	S-13	S-13A	857.61	857.94	30	27.0	1.22%	12"	RCP	-
P-12B	S-13	S-13B	857.54	857.56	37	33.5	0.06%	15"	RCP	-
P-13	S-13B	S-14	857.56	857.61	35	33.0	0.15%	15"	RCP	-
* P-14	S-14	S-15	858.10	858.29	40	37.5	0.51%	12"	RCP	-
* P-15	S-15	S-16	858.39	858.52	29	27.0	0.48%	12"	RCP	-
SARGENT ST										
* P-51	S-50	S-51	848.11	848.23	21	19.5	0.62%	21"	RCP	-
P-52	S-51	S-52	848.93	849.10	6	3.5	4.86%	12"	RCP	-
P-53	S-51	S-53	848.22	849.08	219	216.0	0.40%	19"x30"	HERCP	-
P-53A	S-53	S-53A	849.42	849.44	9	6.5	0.31%	12"	RCP	-
P-53B	S-53	S-53B	849.42	849.49	26	24.0	0.29%	12"	RCP	-
P-54	S-53A	S-54	849.69	849.73	31	30.0	0.13%	12"	RCP	-
P-55	S-54	S-55	849.73	849.76	23	22.5	0.13%	12"	RCP	-
P-56	S-55	S-56	849.76	849.90	98	98.0	0.14%	12"	RCP	-

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.

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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

SPECIFIC NOTES

- (1) MODIFIED SADDLED STRUCTURE
- (2) PAY BASED ON PLAN LENGTH
- (3) GRATE ELEVATION 0.2 FT BELOW TOC ELEVATION
- (4) CONSTRUCT WINGWALL OUTLET PER S.D.D. 5.5.1, GATE PER S.D.D. 5.6.3
- (5) INCLUDED IN LINEAL FEET OF PIPE PAVEMENT
- (6) TAP EX AS 6241-024
- (7) COORDINATE WITH MG&E TO CUT WINDOW IN GAS MAIN (SEE ULO#2 & ULO#4)

STORM SEWER SCHEDULE

* REV 03/28/2017 DAO

WALTER ST & SARGENT ST ASSM'T DIST-2016	SHEET NO.
PROJECT NO. 10896	U-13
STORM SEWER SCHEDULE	
CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
WALTER ST					
RS-1	AS 6242-008	50+40.57	LT-32.20	CATCH BASIN	
RS-2	CB 6242-032	51+19.64	LT-38.64	EX TUB INLET	
RS-3	IN 6242-034	5135.53	LT-40.27	EX H INLET	
RS-4	IN 6242-035	51+73.20	LT-34.01	EX H INLET	
RS-5	IN 6242-036	5147.13	RT-36.34	EX H INLET	
RS-6	IN 6242-037	51+85.01	RT-38.89	EX H INLET	
RS-7	IN 6241-022	58+76.98	LT-35.94	EX TUB INLET	
RS-8	IN 6241-023	58+85.60	RT-23.39	EX TUB INLET	
RS-9	IN 6241-003	67+16.76	LT-34.90	EX TUB INLET	
RS-10	IN 6241-004	67+24.31	RT-24.13	EX TUB INLET	
SARGENT ST					
RS-11	AS 6243-005	13+22.22	RT-21.98	CATCH BASIN	
RS-12	IN 6243-006	13+26.90	RT-14.94	EX TUB INLET	
RS-13	IN 6243-007	13+27.80	LT-14.78	EX TUB INLET	

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
WALTER ST							
RP-1	WEST HEADWALL	RS-1	19	18	VP	Y	
RP-2	RS-1	RS-2	81	18	VP	Y	Y-PARTIAL 60 LF-PD
RP-3	RS-2	RS-3	17	15	RCP	Y	
RP-4	RS-3	RS-4	39	12	RCP	Y	
RP-5	RS-2	RS-5	84	12	RCP	Y	Y-PARTIAL 65 LF-PD
RP-6	RS-5	RS-6	38	12	RCP	Y	Y-PARTIAL 16 LF-PD
RP-7	AS 6241-021	RS-7	13	12	VP	N	
RP-8	RS-7	RS-8	60	12	VP	Y	
RP-9	AS 6241-024	RS-9	13	12	VP	N	
RP-10	AS 6241-024	RS-10	69	12	VP	Y	
SARGENT ST							
RP-11	RS-11	RS-12	10	12	VP	N	
RP-12	RS-11	RS-13	37	12	VP	N	

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
* ULO-1	51+48.15	RT-22.58	FO	4" PVC TOP AT 848.60
* ULO-2	51+39.0	LT-22.20	GAS	4" PVC TOP AT 850.42 - MG&E TO CUT WINDOW
* ULO-3	58+17.40	RT-19.60	FO	4" PVC TOP AT 853.56
* ULO-4	58+84.20	RT-38.80	GAS	4" PVC TOP AT 852.74 - MG&E TO CUT WINDOW
* ULO-5	67+38.70	RT-23.20	FO	4" PVC TOP AT 857.93
* ULO-X1	59+03.10	RT-19.30	FO	4" PVC TOP AT 853.68 - ADJ LOCATION
* ULO-X2	58+98.60	LT-24.50	GAS	4" PVC TOP AT 852.65
* ULO-X3	51+04.20	LT-23.30	GAS	4" PVC TOP AT 850.98

STORM SEWER ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
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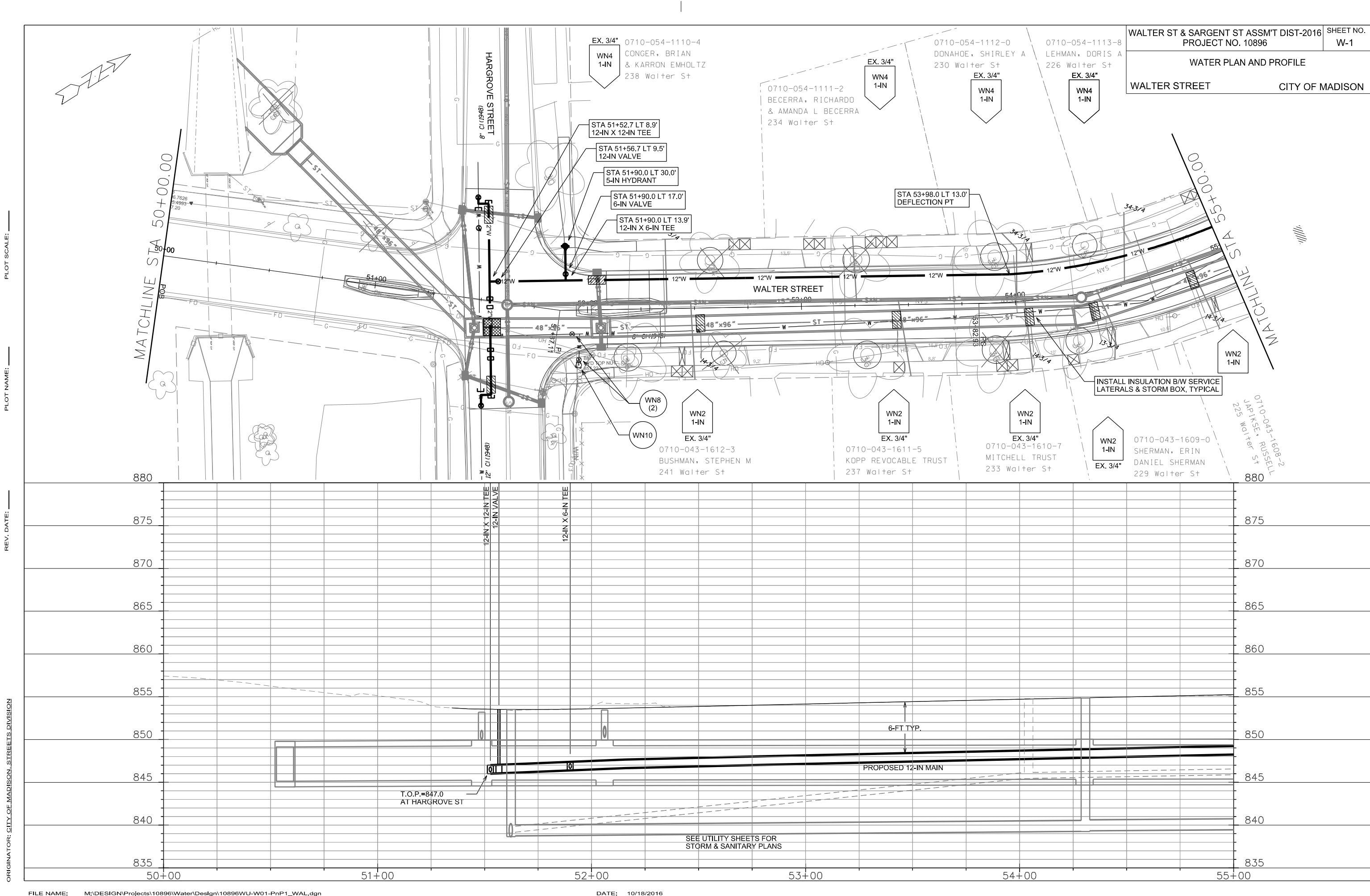
STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX RIM ELEV (FT)	PROP RIM ELEV (FT)	DIFF (FT)	NOTES
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SPECIFIC NOTES

STANDARD NOTES:

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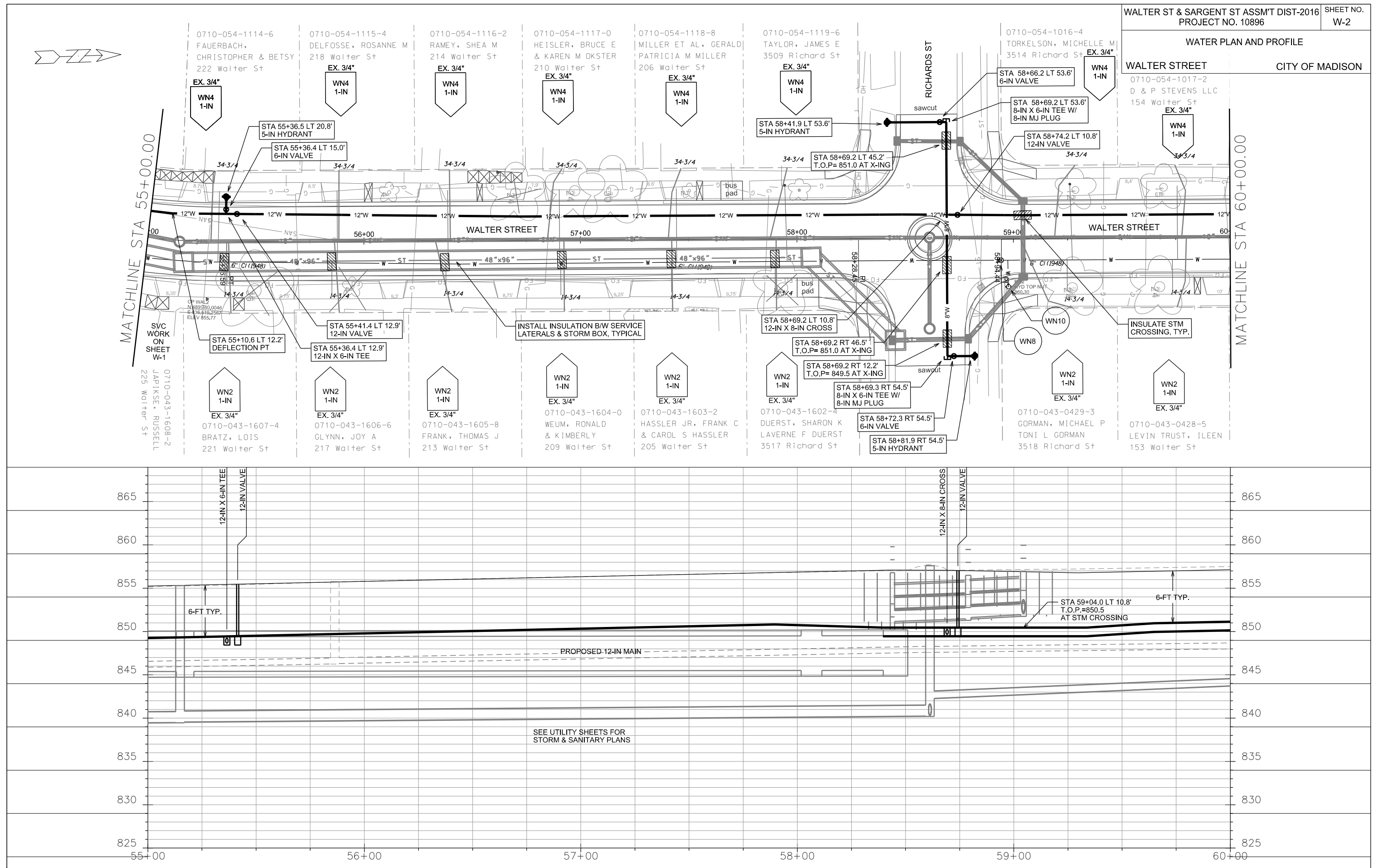


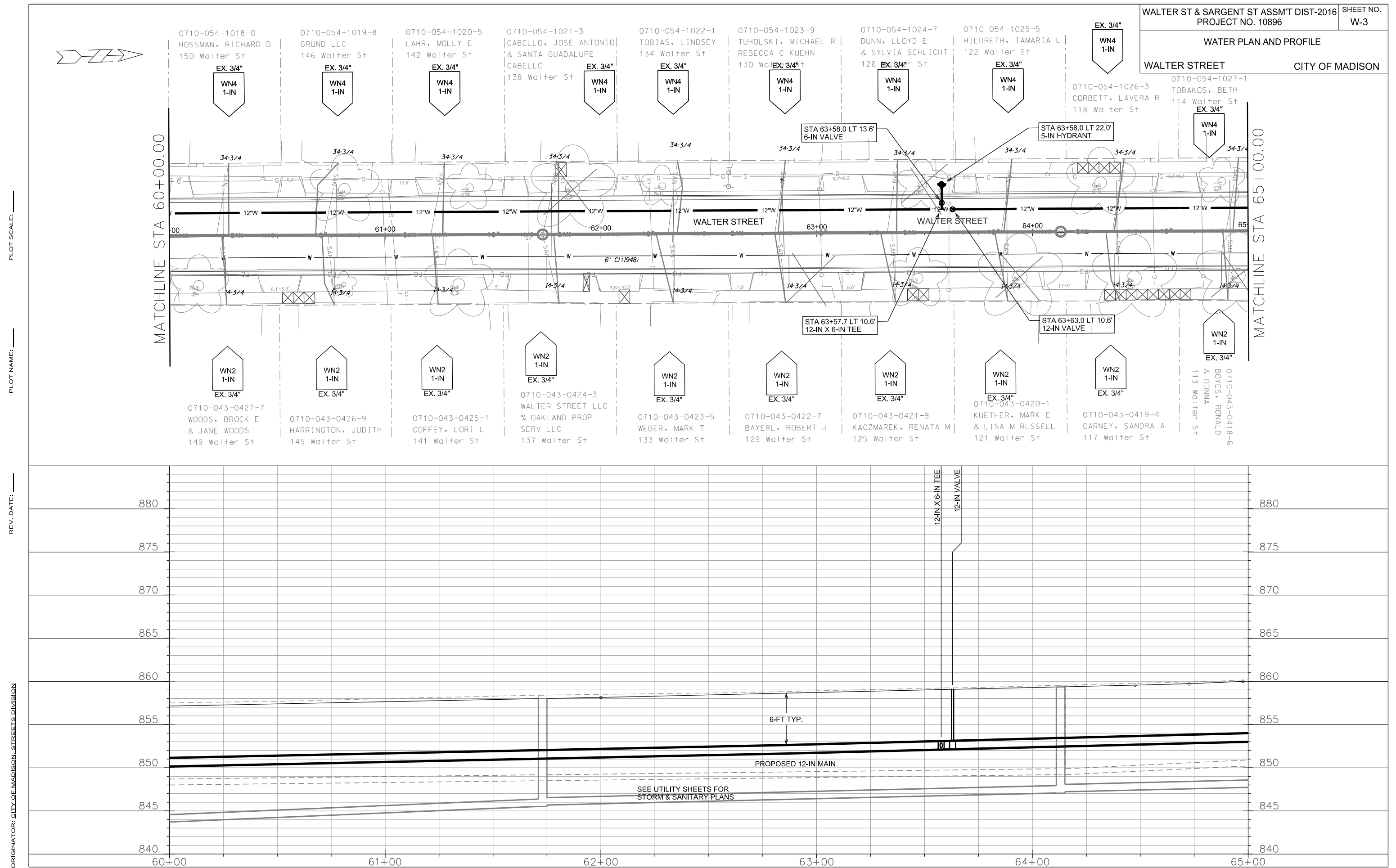
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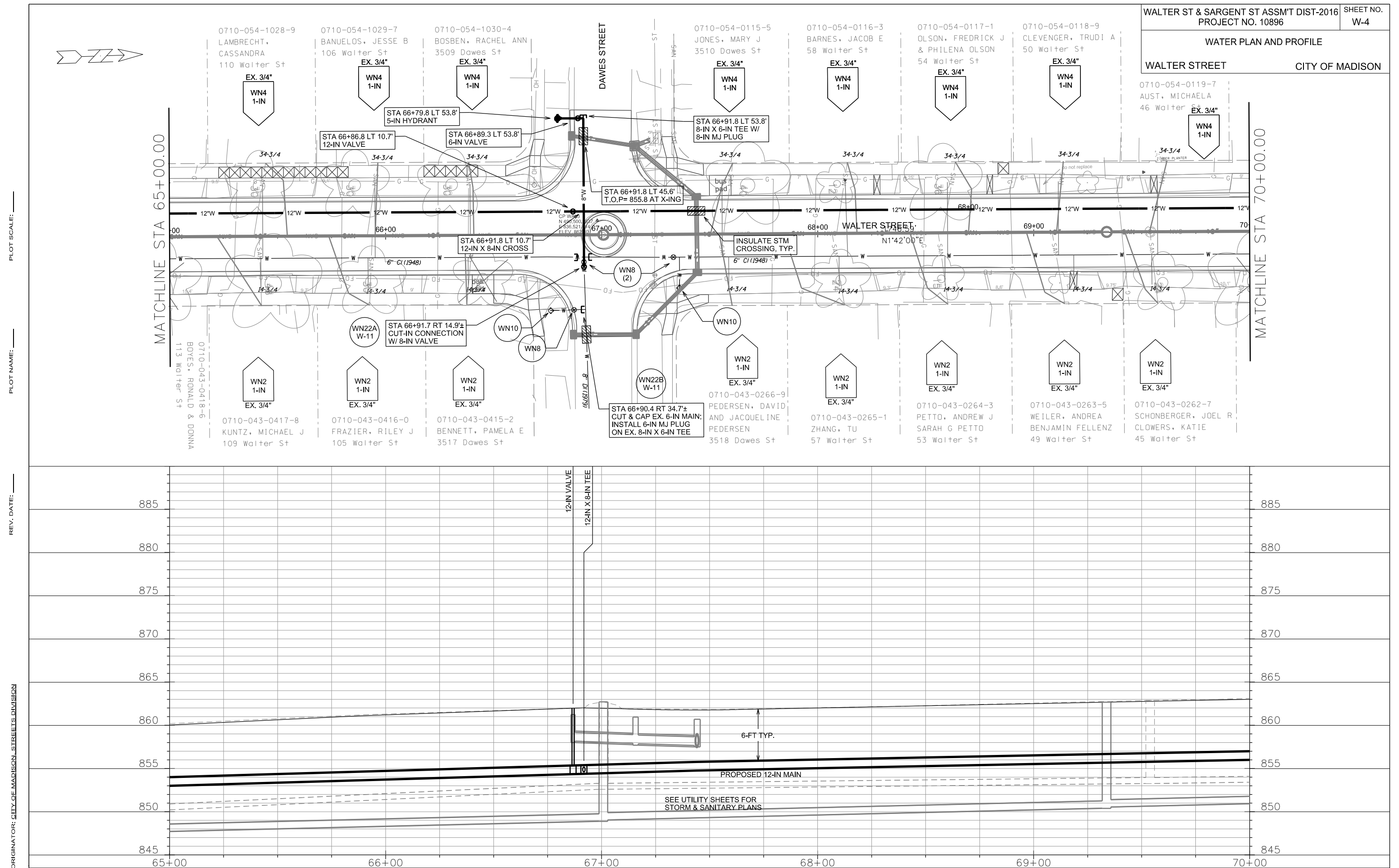
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION





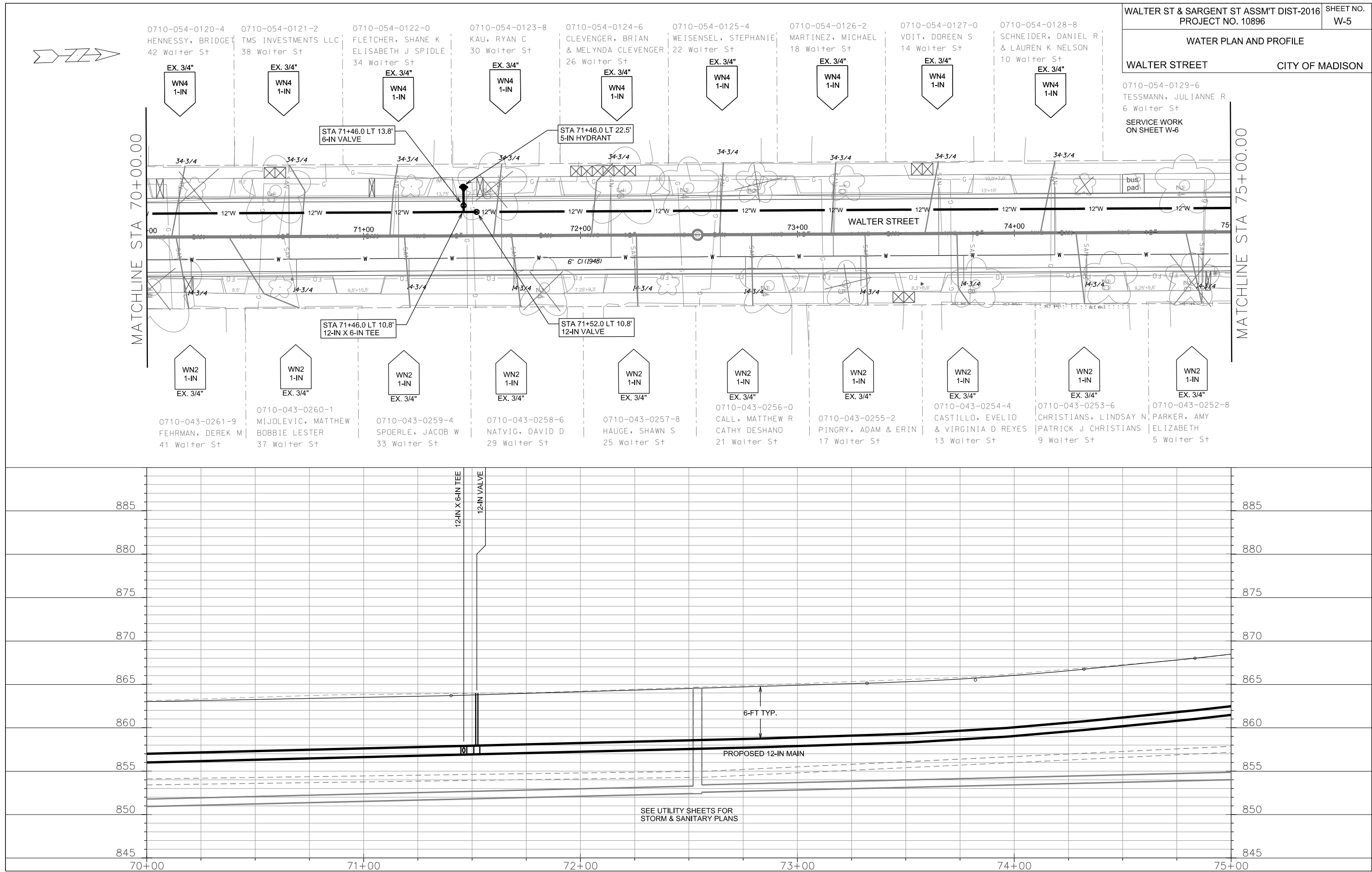


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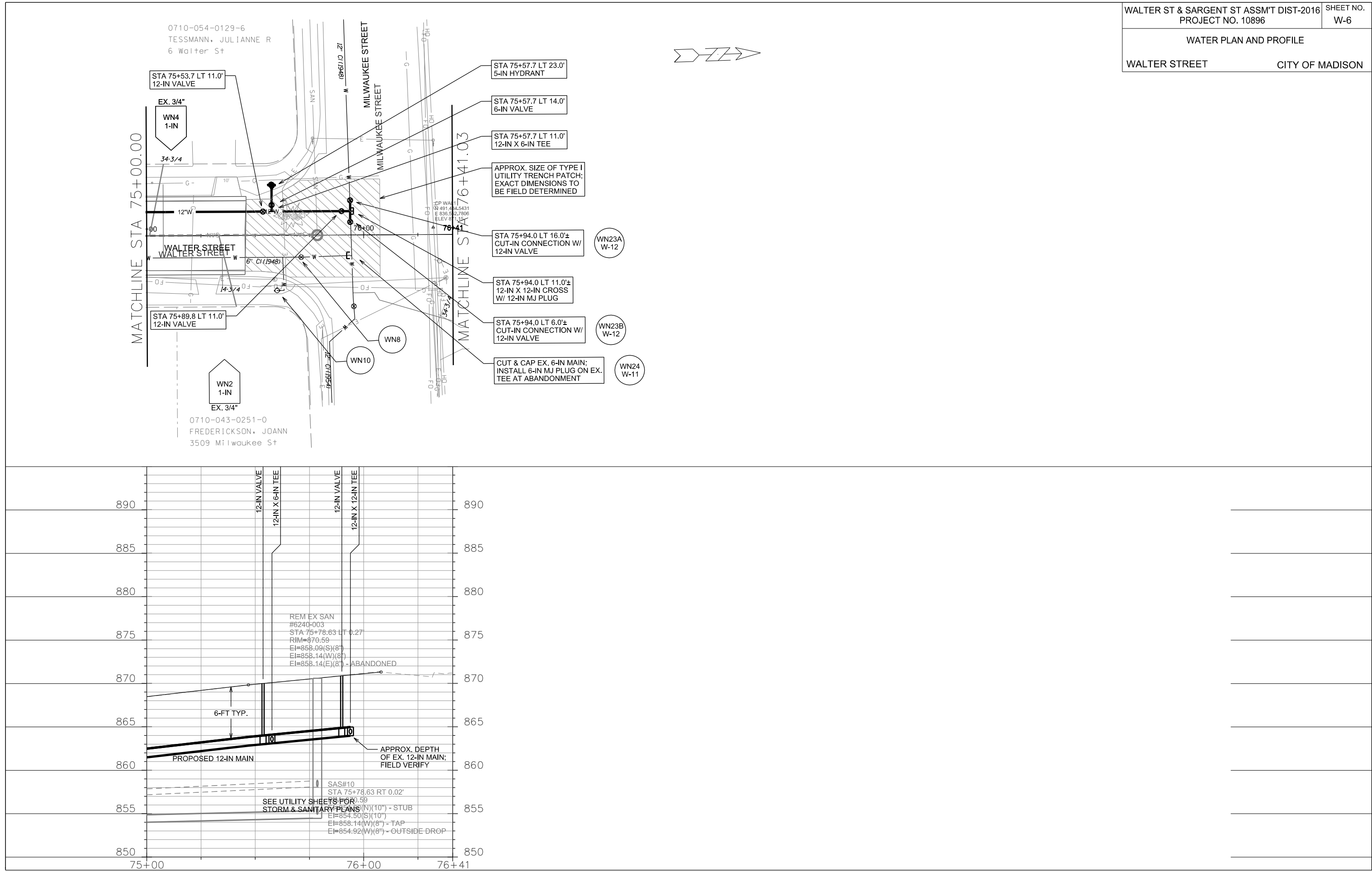


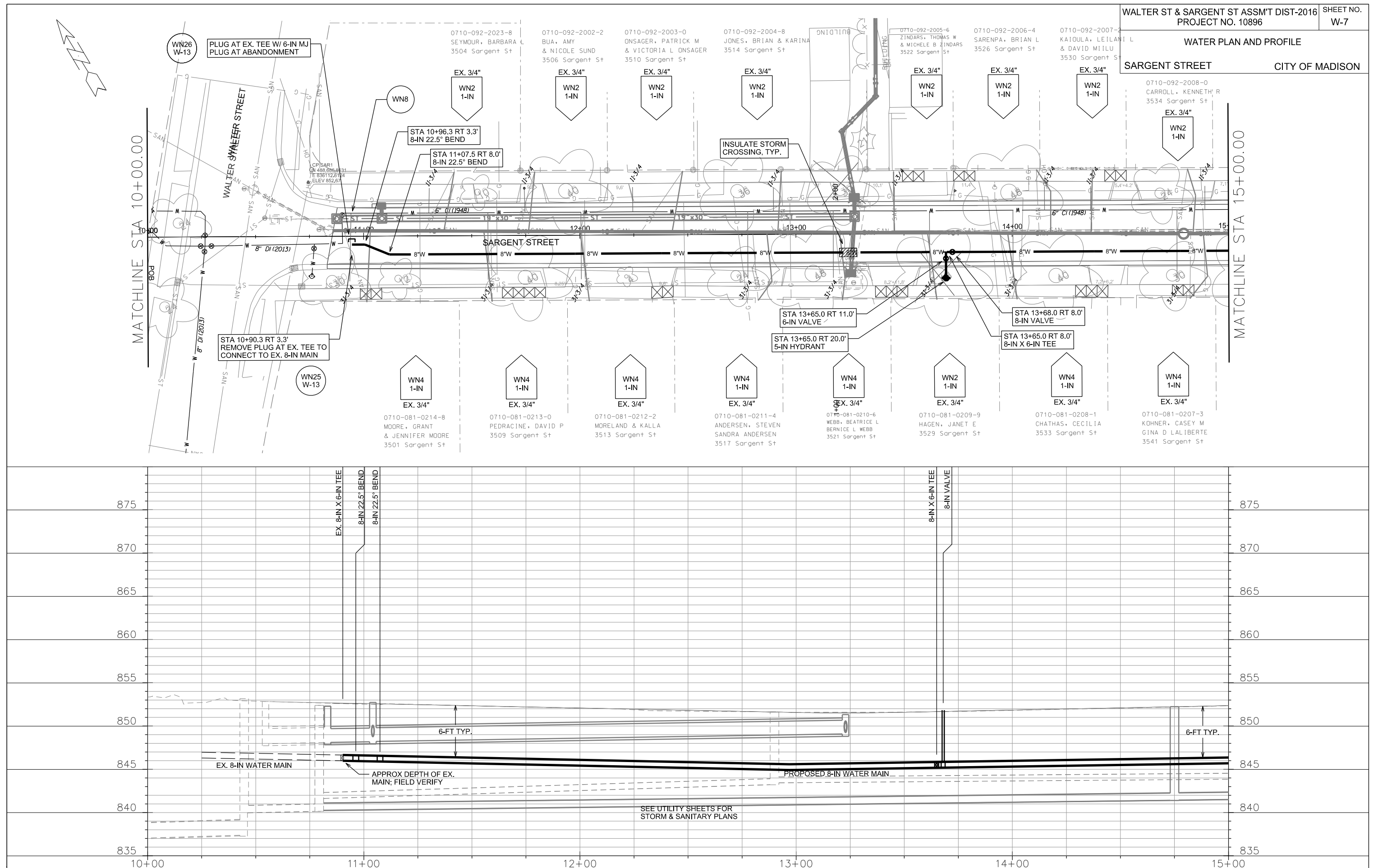
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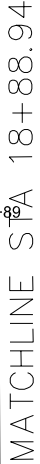
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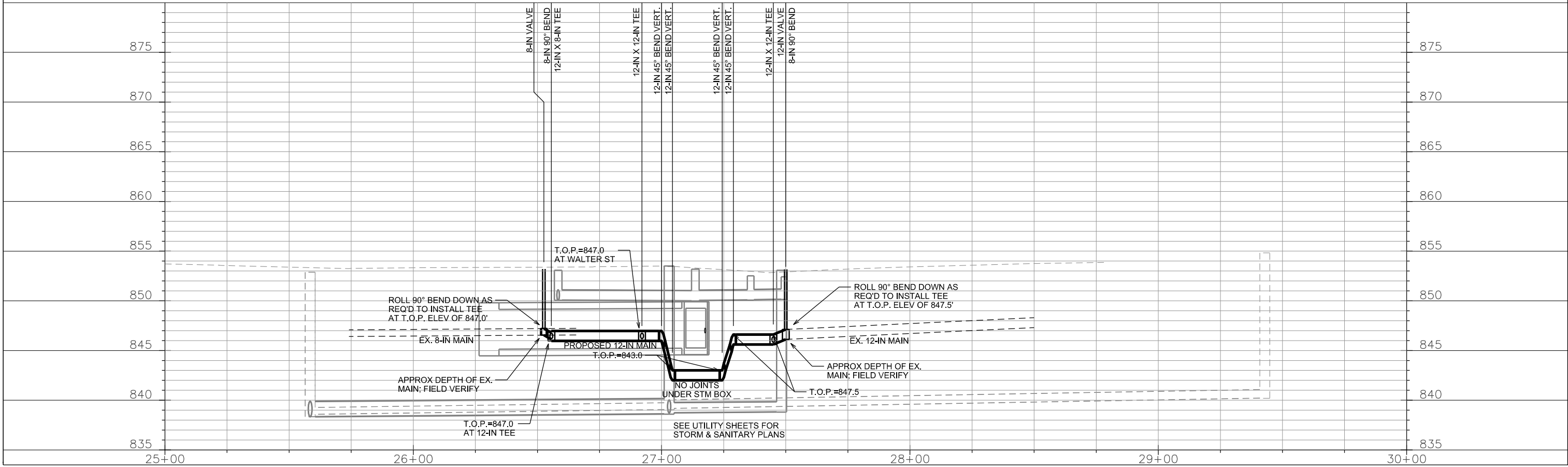


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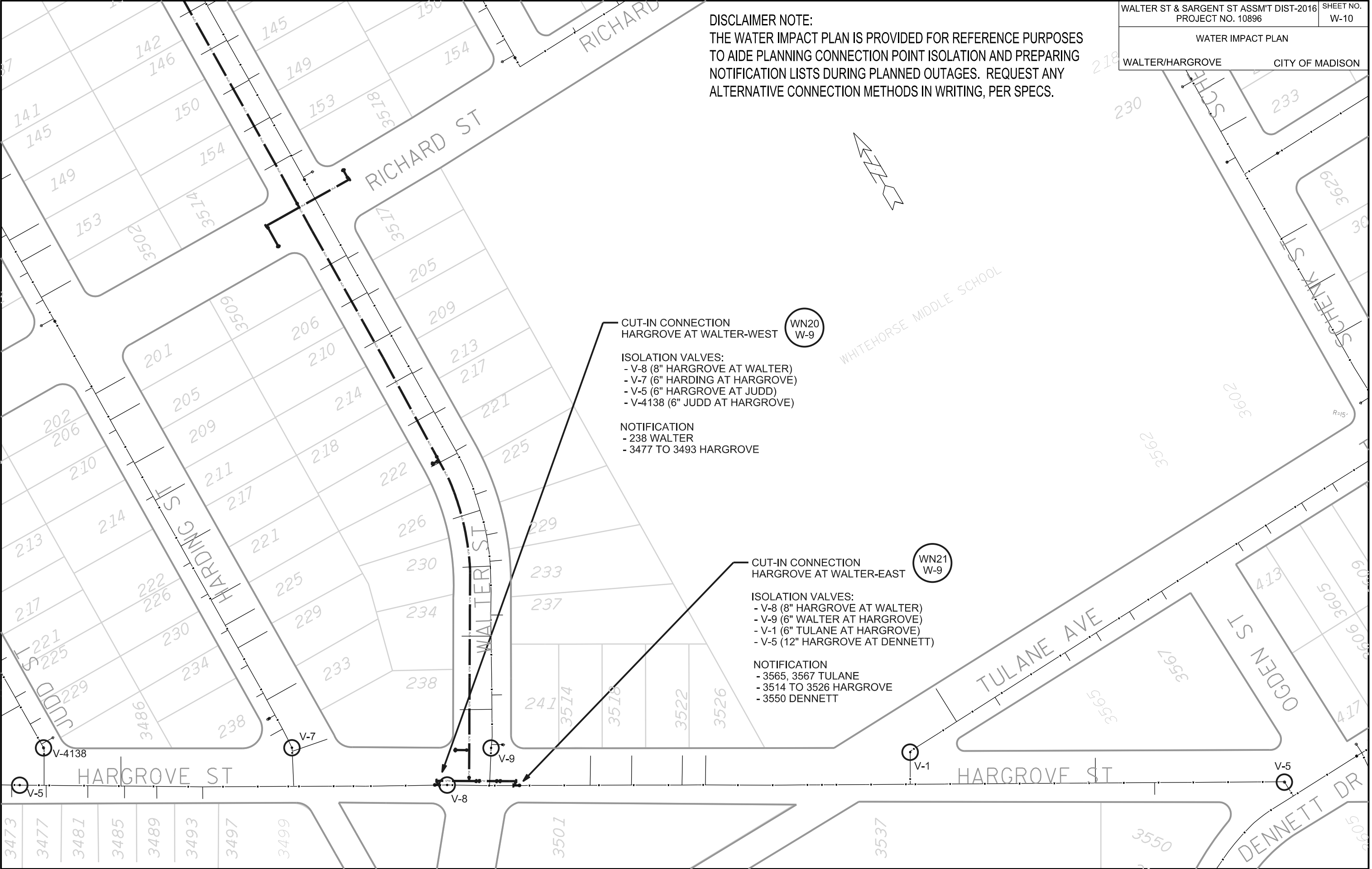
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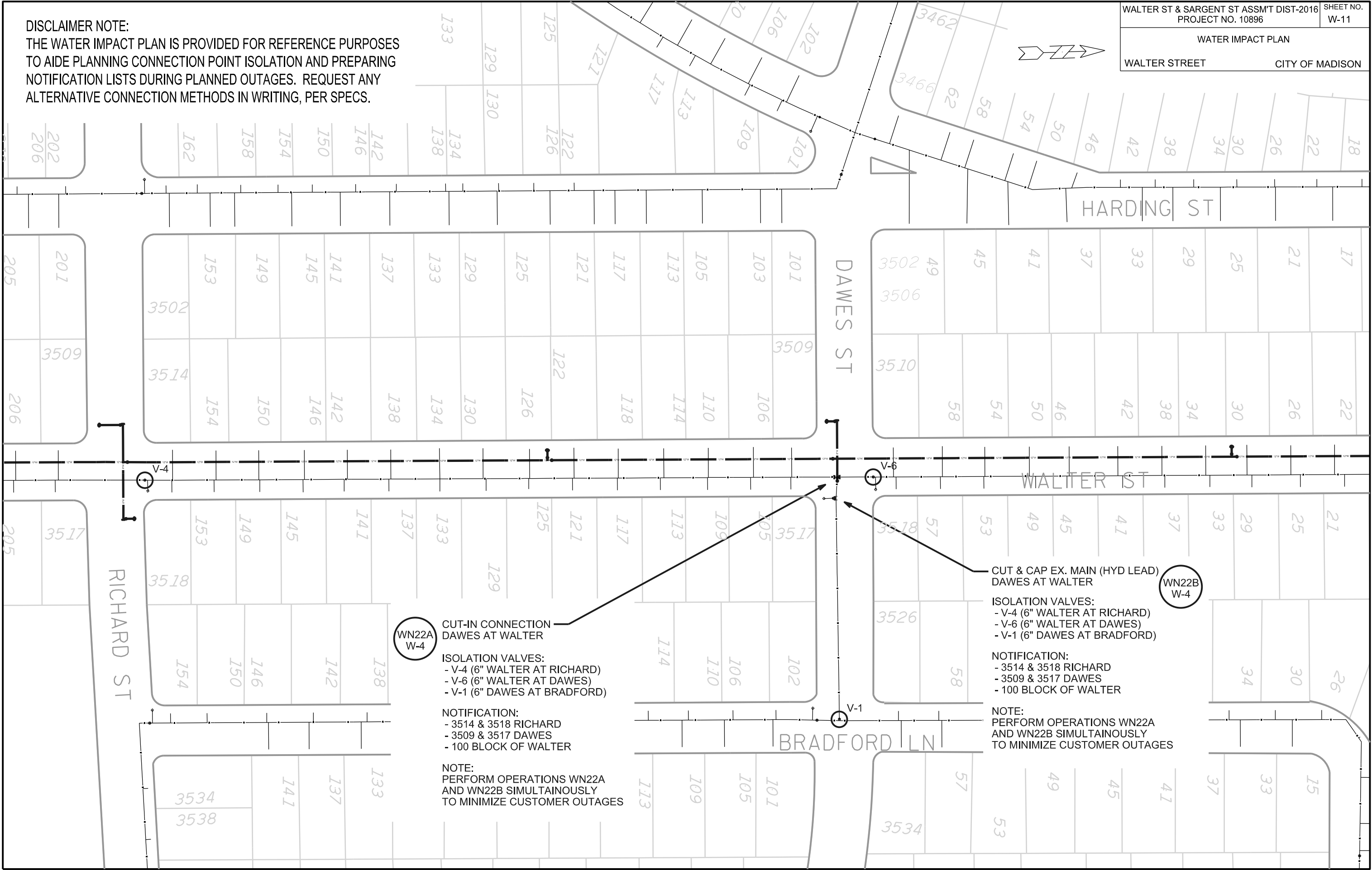
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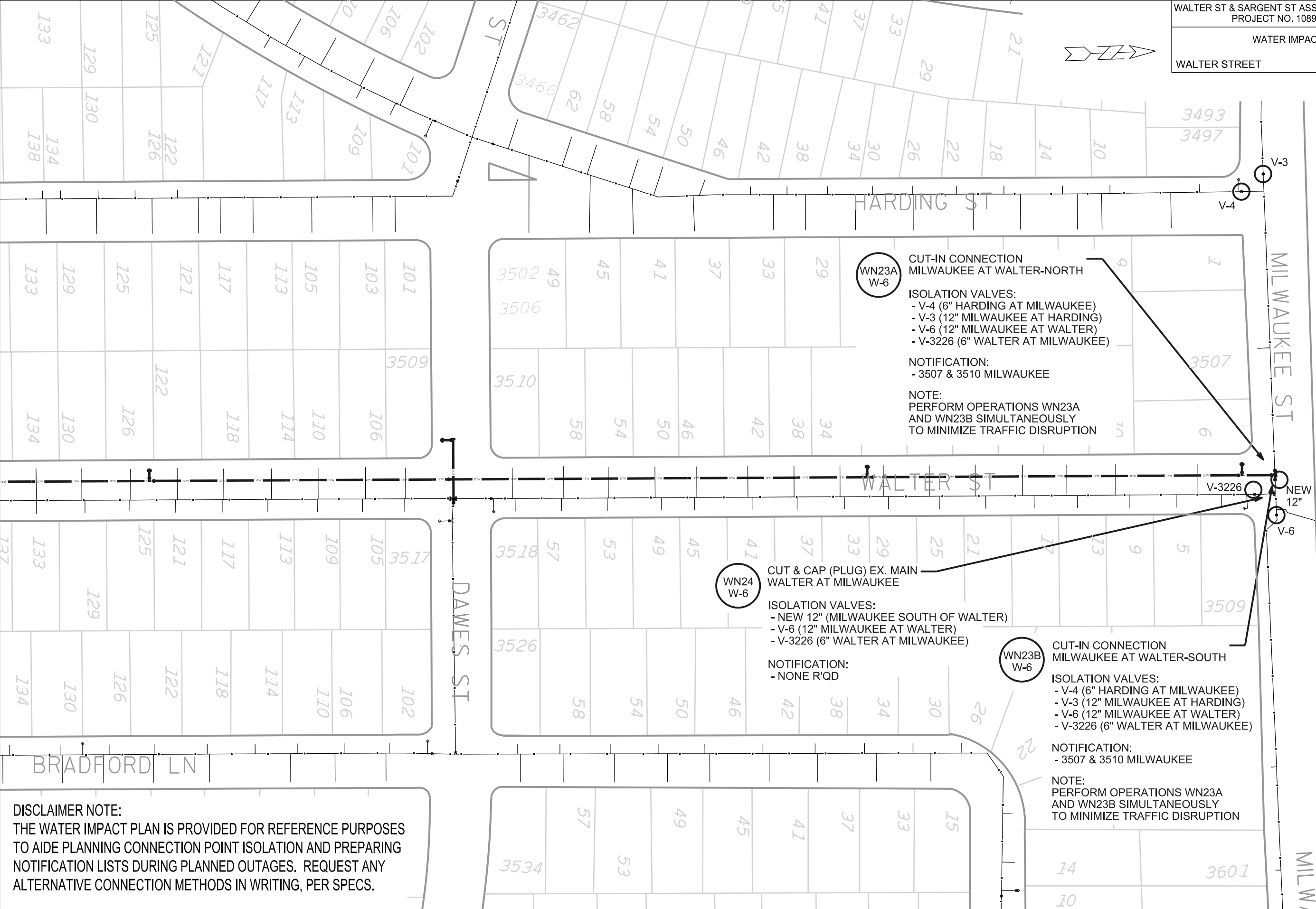
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DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING
NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

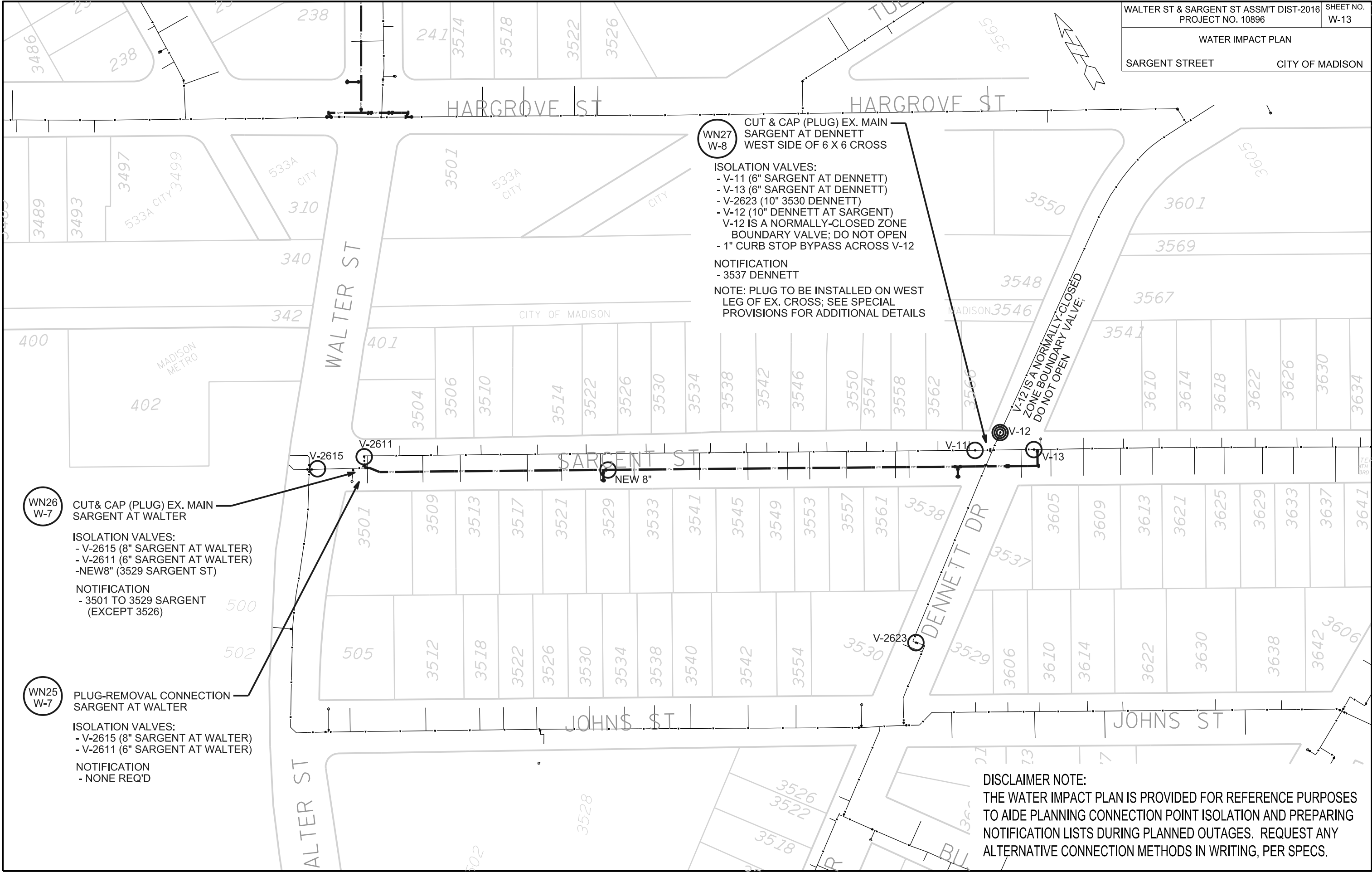
WALTER ST & SARGENT ST ASSM'T DIST-2016 PROJECT NO. 10896		SHEET NO. W-10
WATER IMPACT PLAN		
WALTER/HARGROVE		CITY OF MADISON







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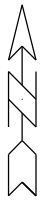


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PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

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

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

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

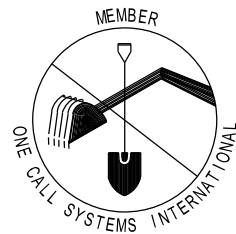
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

165-FT - 6-IN PIPE	1 - 8-IN 90° BEND
970-FT - 8-IN PIPE	1 - 12-IN 90° BEND
2560-FT - 12-IN PIPE	
10 - 6-IN VALVE & BOX	4 - 12-IN 45° BEND
5 - 8-IN VALVE & BOX	2 - 8-IN 22.5° BEND
11 - 12-IN VALVE & BOX	
6 - 8-IN X 6-IN TEE	4 - 6-IN MJ PLUG
5 - 12-IN X 6-IN TEE	4 - 8-IN MJ PLUG
1 - 12-IN X 8-IN TEE	5 - 12-IN MJ PLUG
2 - 12-IN X 12-IN TEE	2 - 6-IN MJ CAP
	1 - 8-IN MJ CAP
	1 - 12-IN MJ CAP
3 - 12-IN X 8-IN CROSS	10 - HYDRANT
1 - 12-IN X 12-IN CROSS	2016-FT - 2-IN STYROFOAM INSULATION
	4360-FT - POLY WRAP
	1-IN COPPER (AS REQ'D)

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.



MATERIALS SUPPLIED BY CITY:

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- 1 - 6-IN TAPPING SLEEVE
- 1 - 6-IN TAPPING VALVE

ESTIMATE OF MATERIALS SALVAGED:

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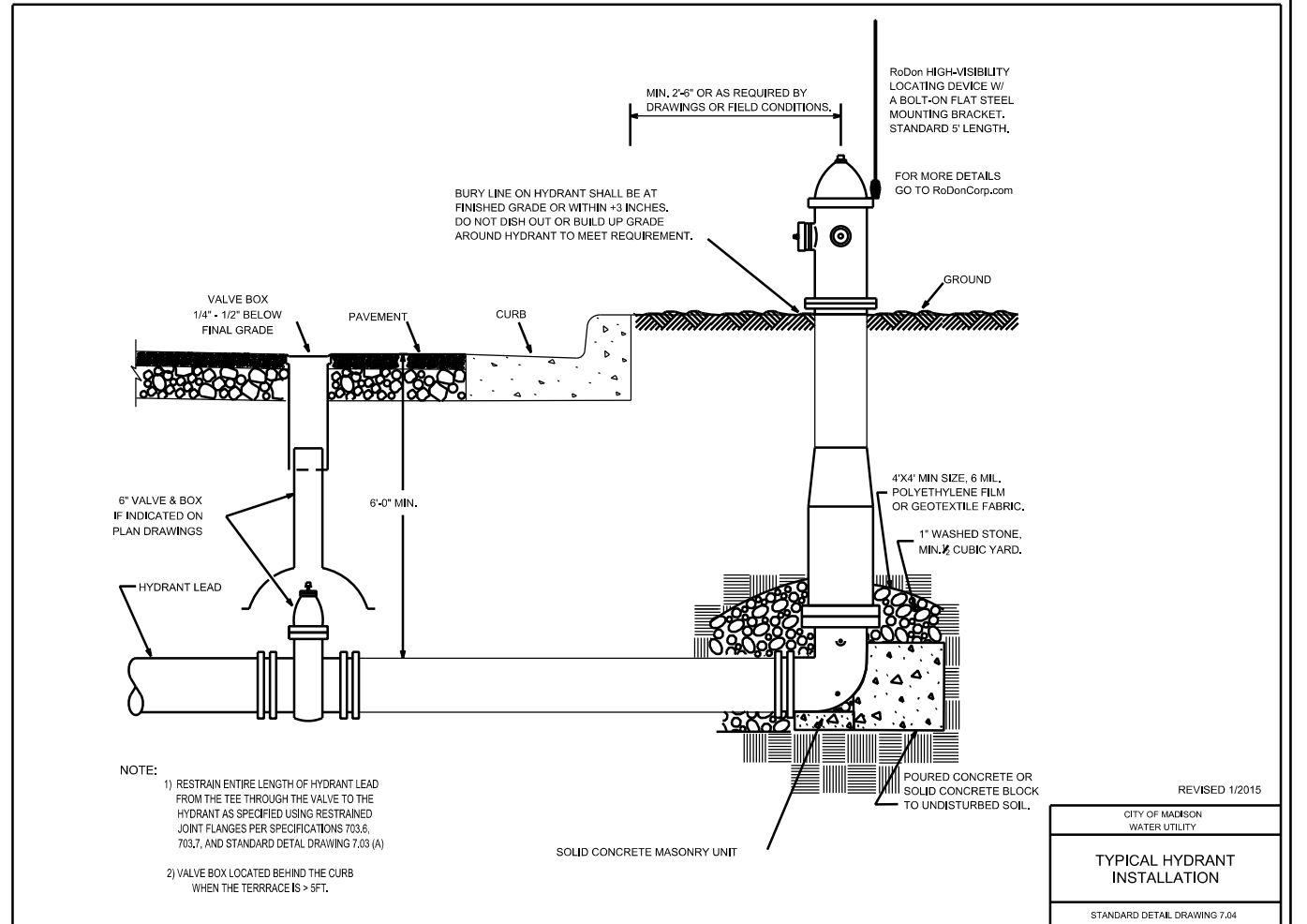
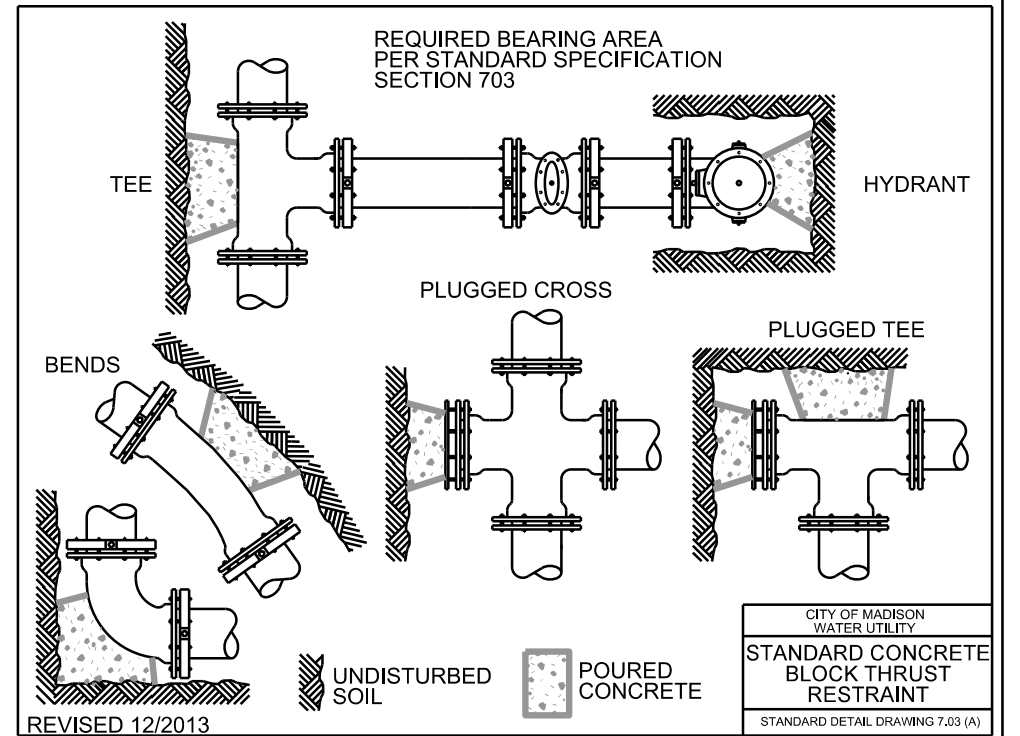
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DISCLAIMER NOTE:
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WALTER ST & SARGENT ST ASSM'T DIST-2016
PROJECT NO. 10896

SHEET NO.
W-15

WATER ESTIMATE OF MATERIALS
WALTER & SARGENT CITY OF MADISON

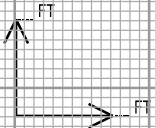
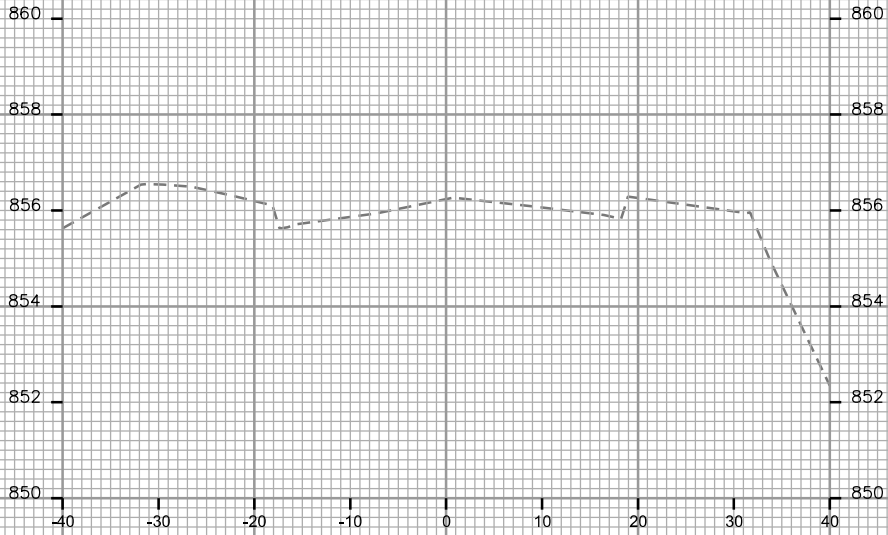
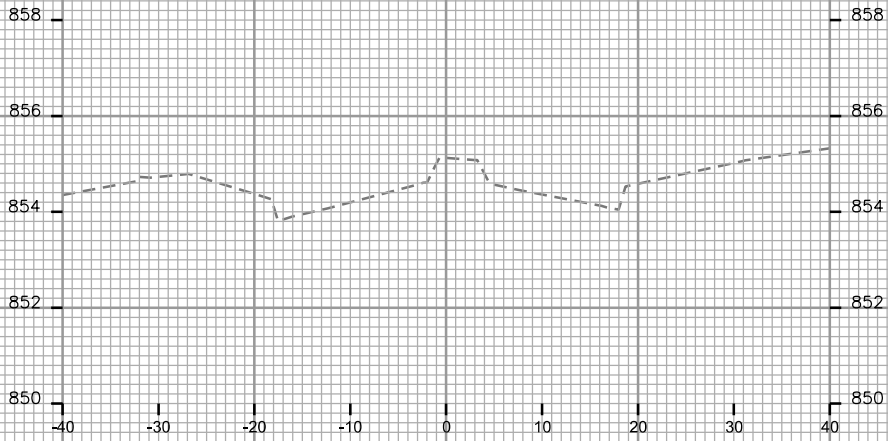
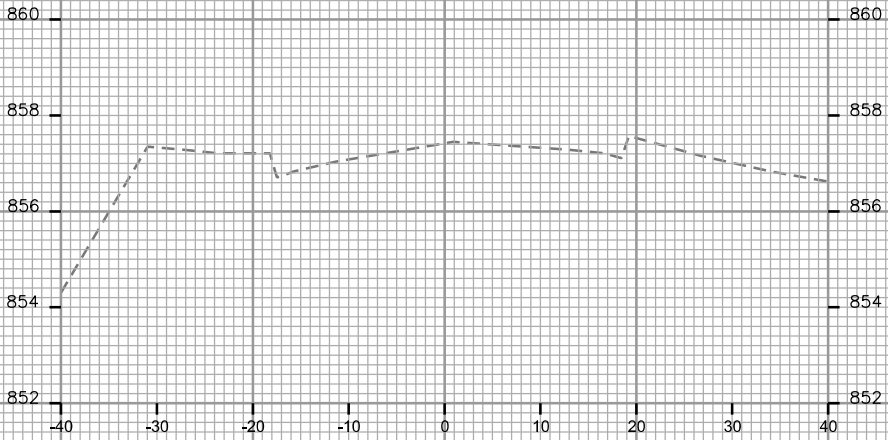
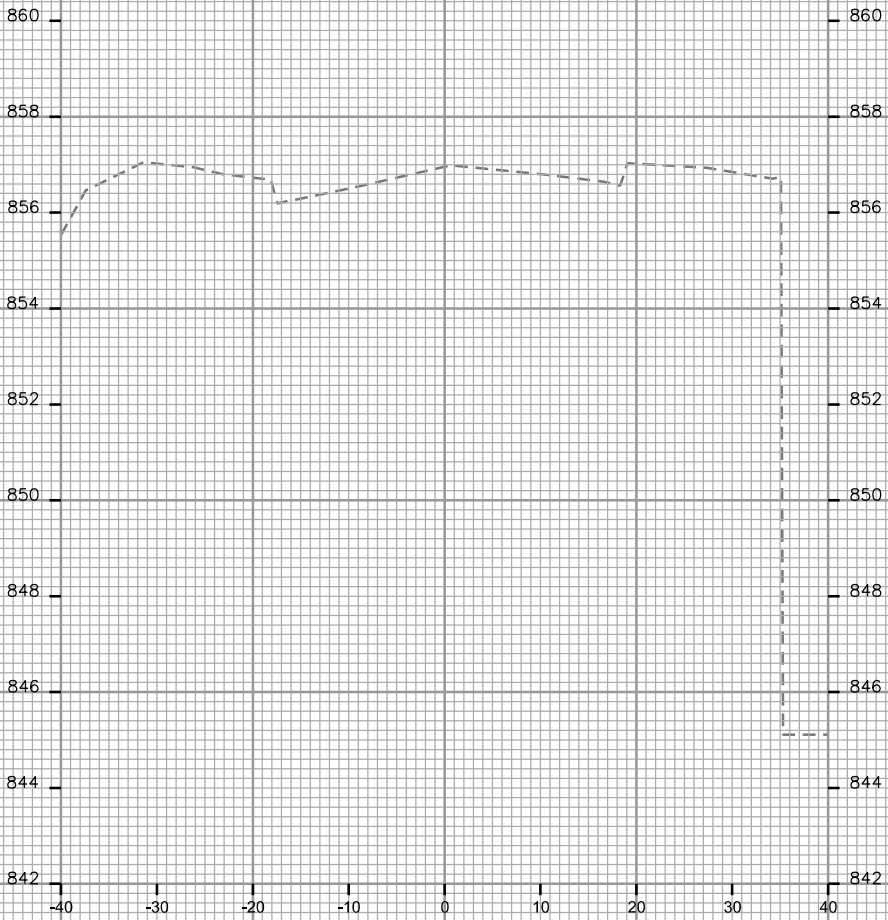


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

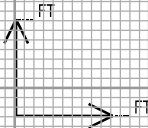
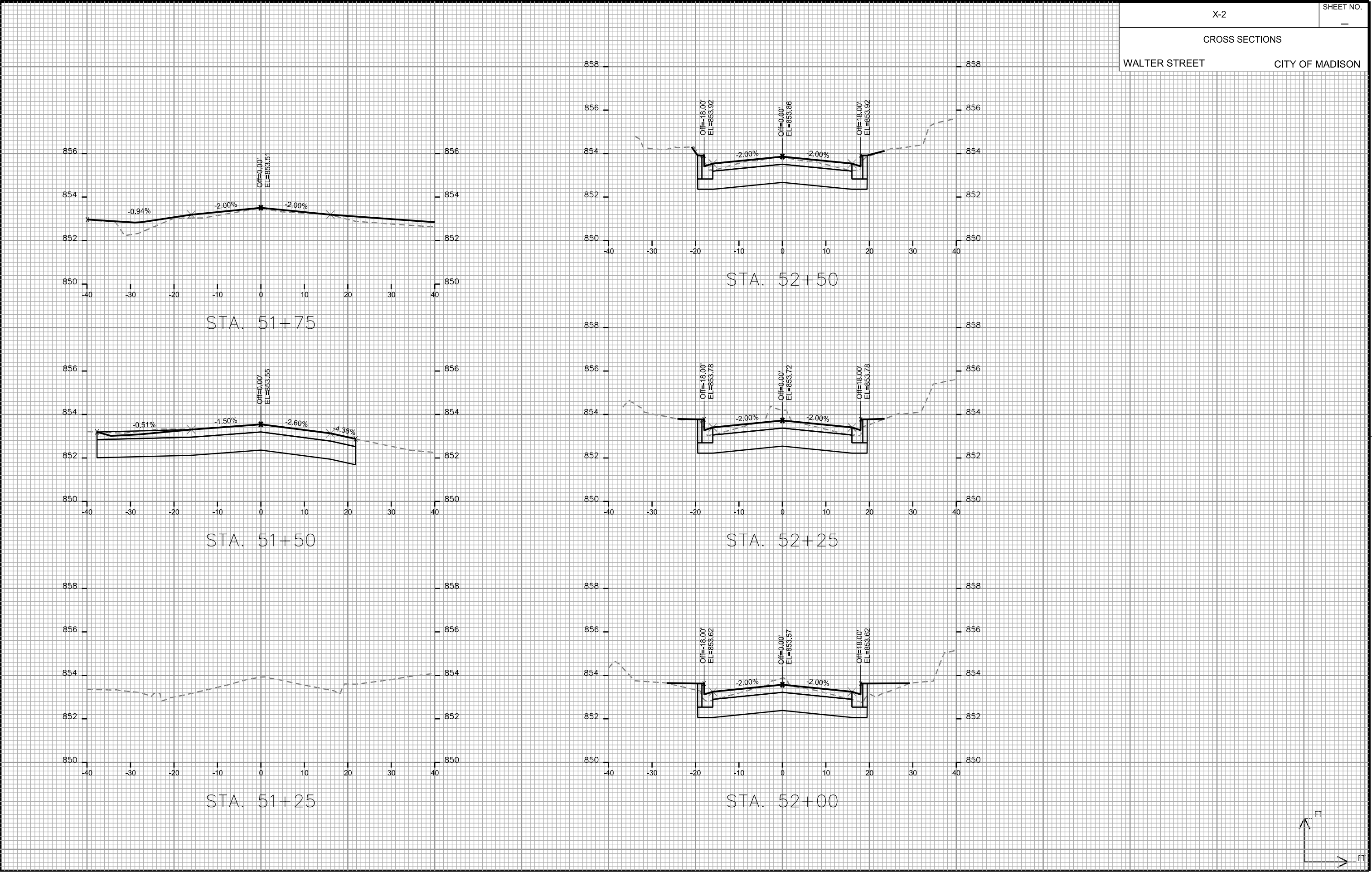


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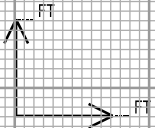
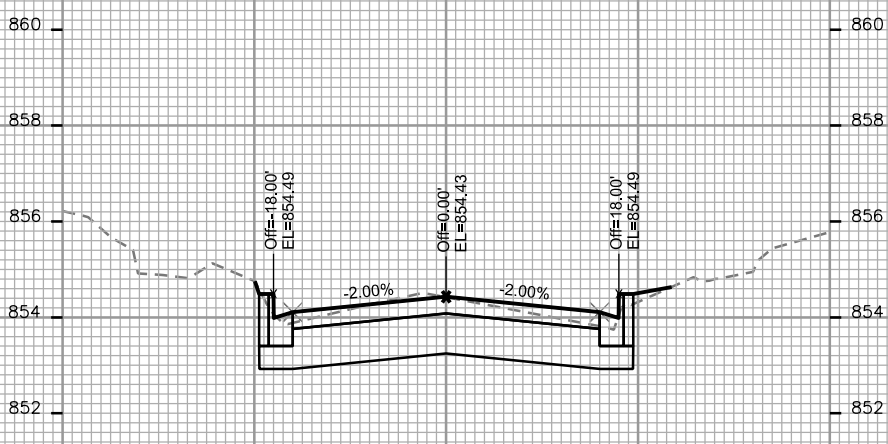
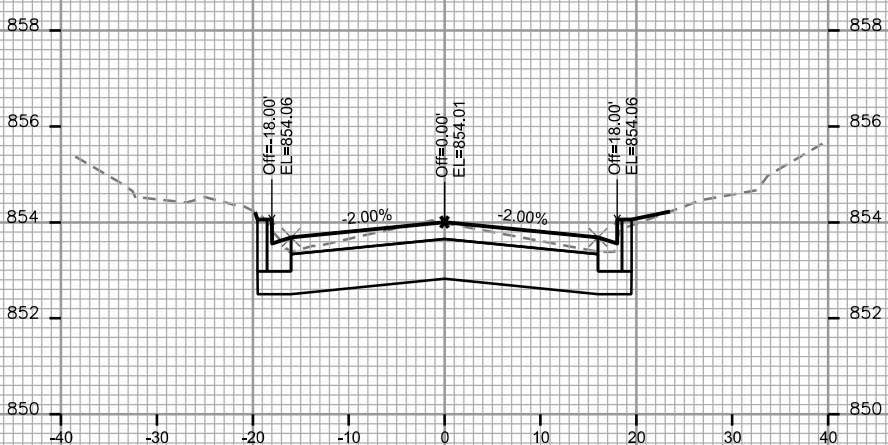
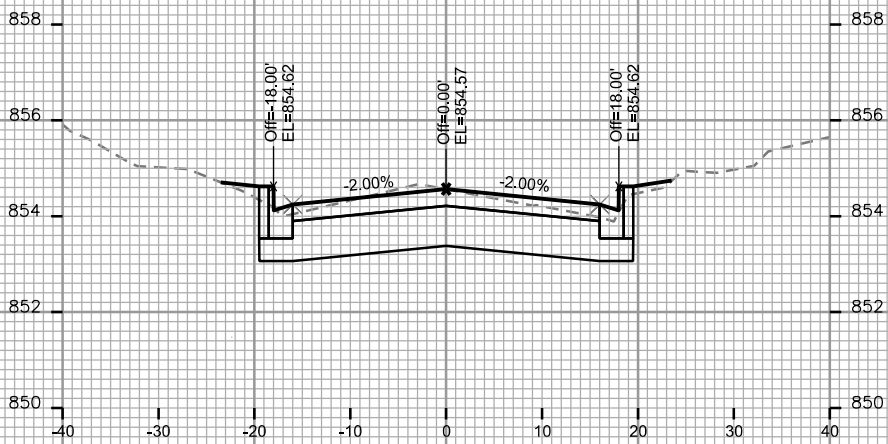
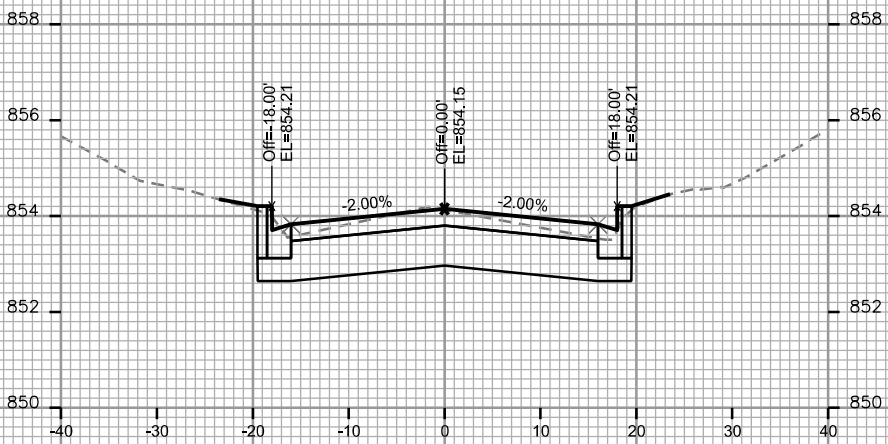
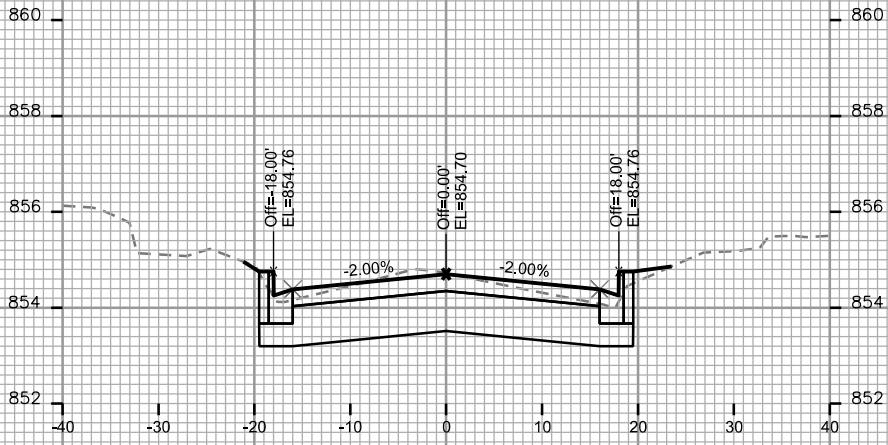
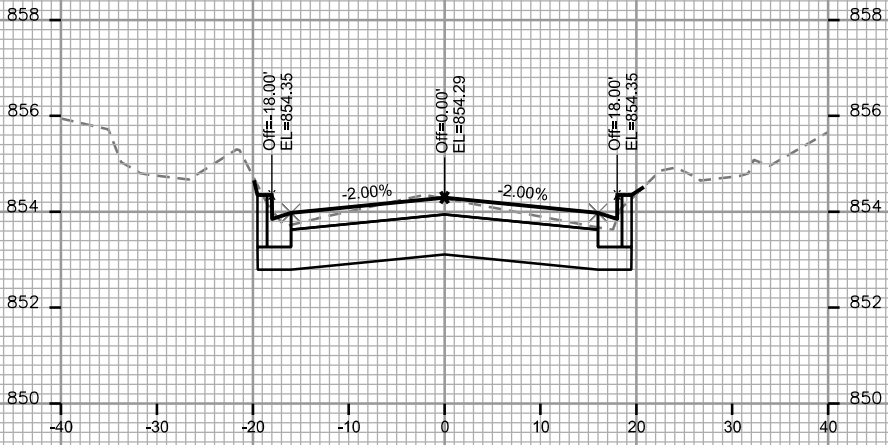


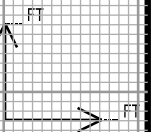
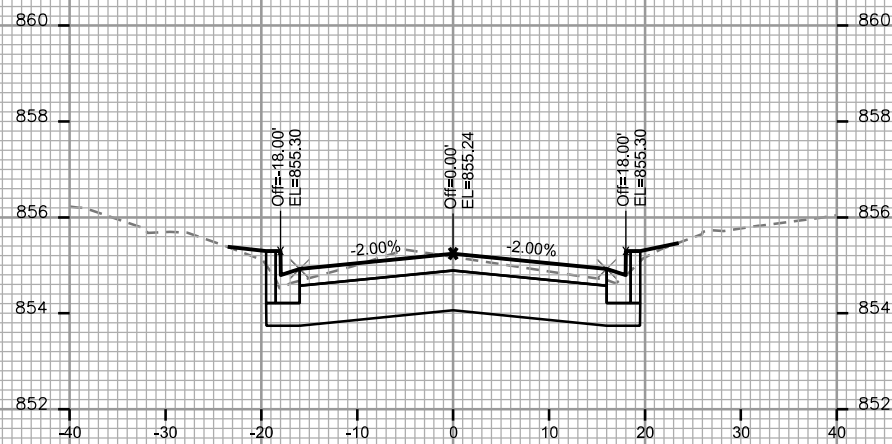
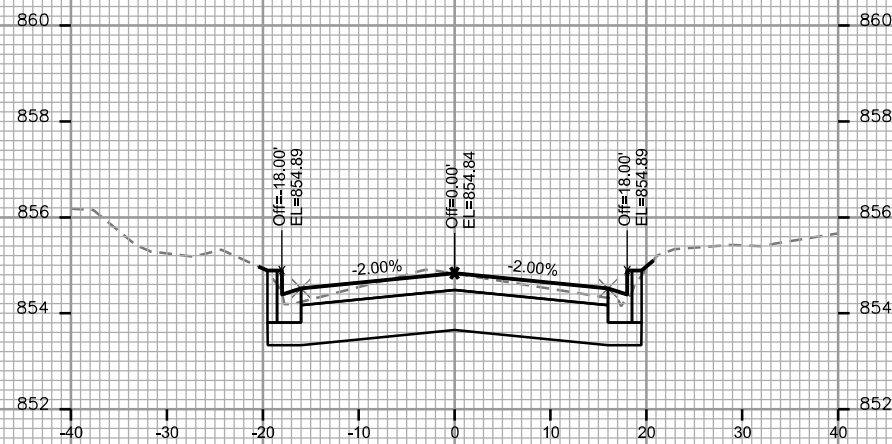
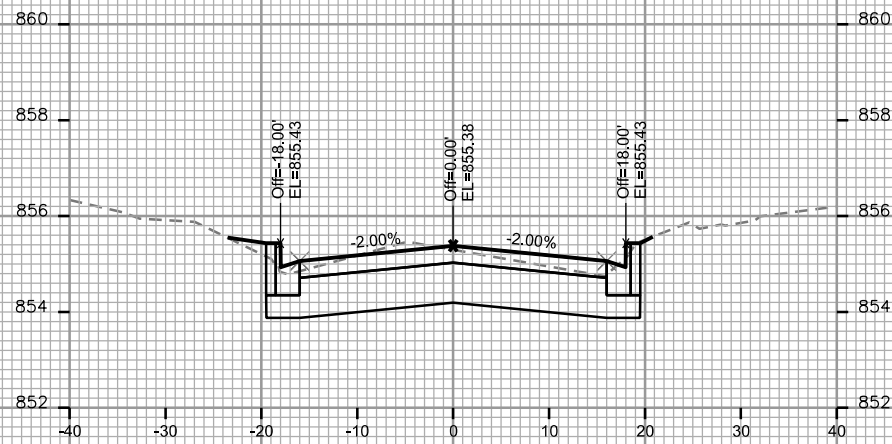
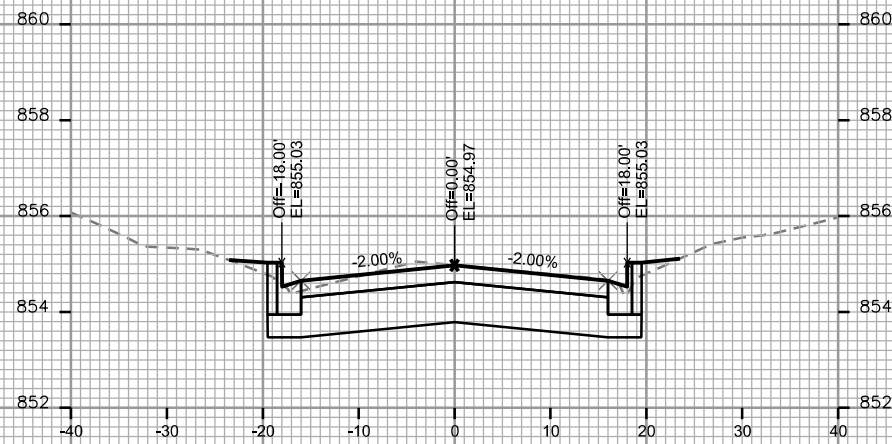
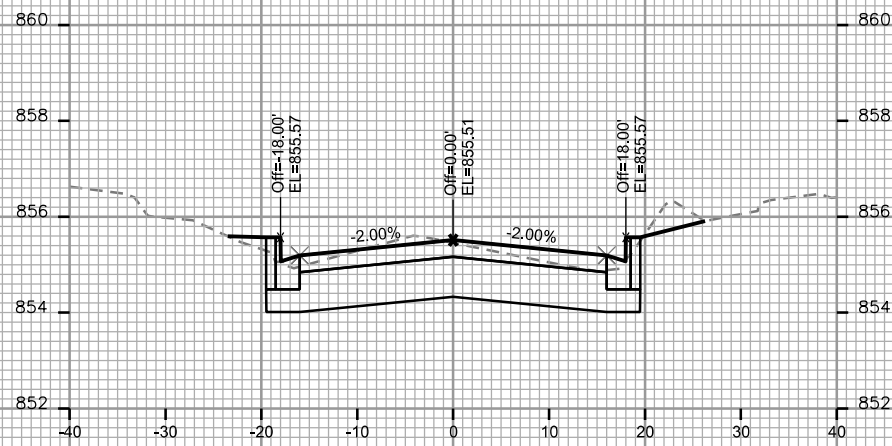
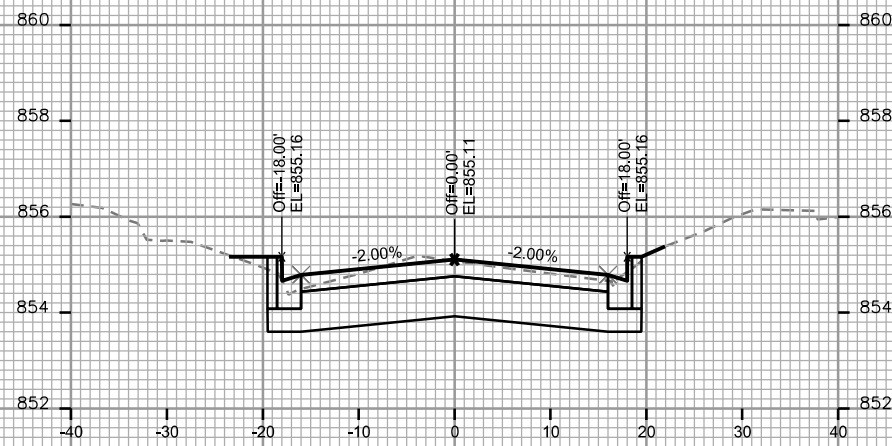
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



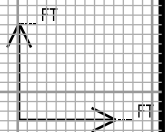
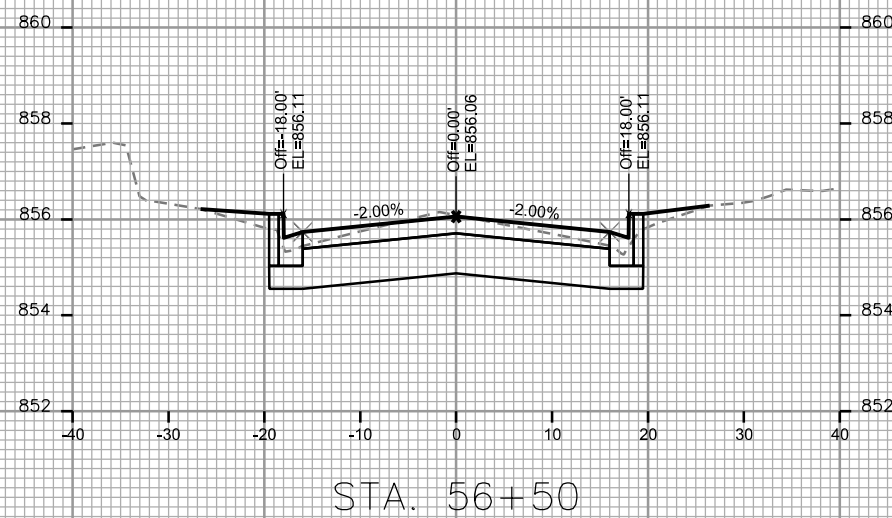
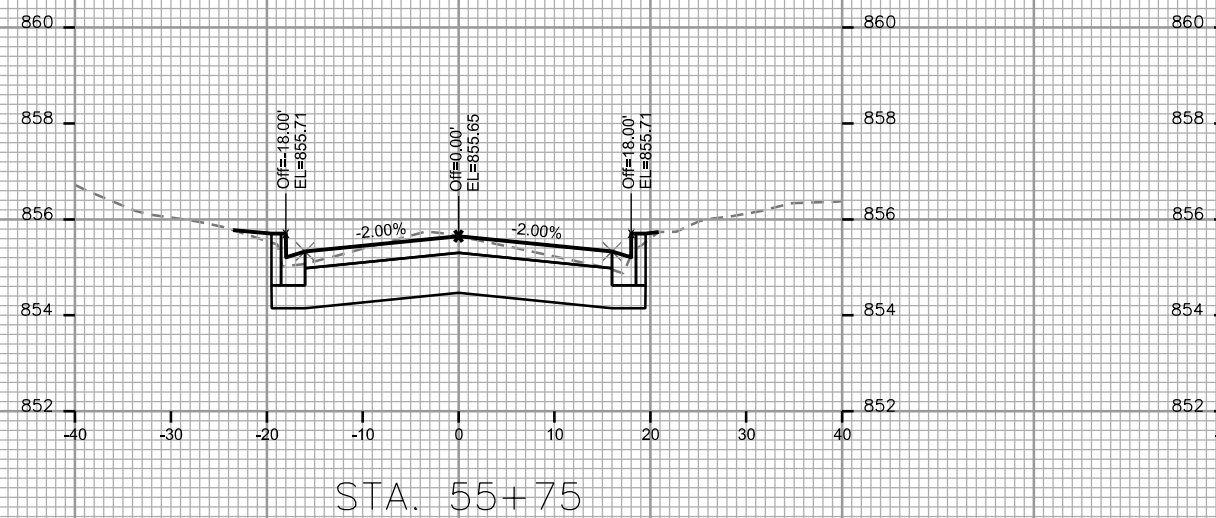
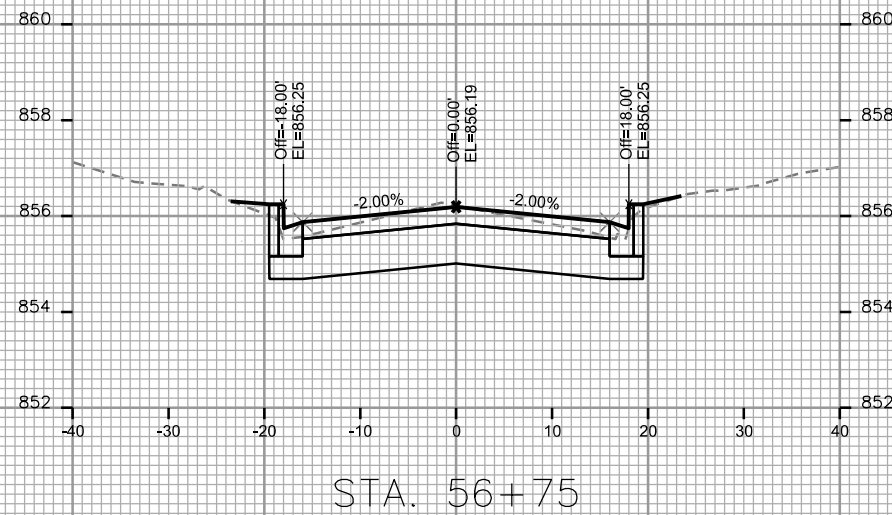
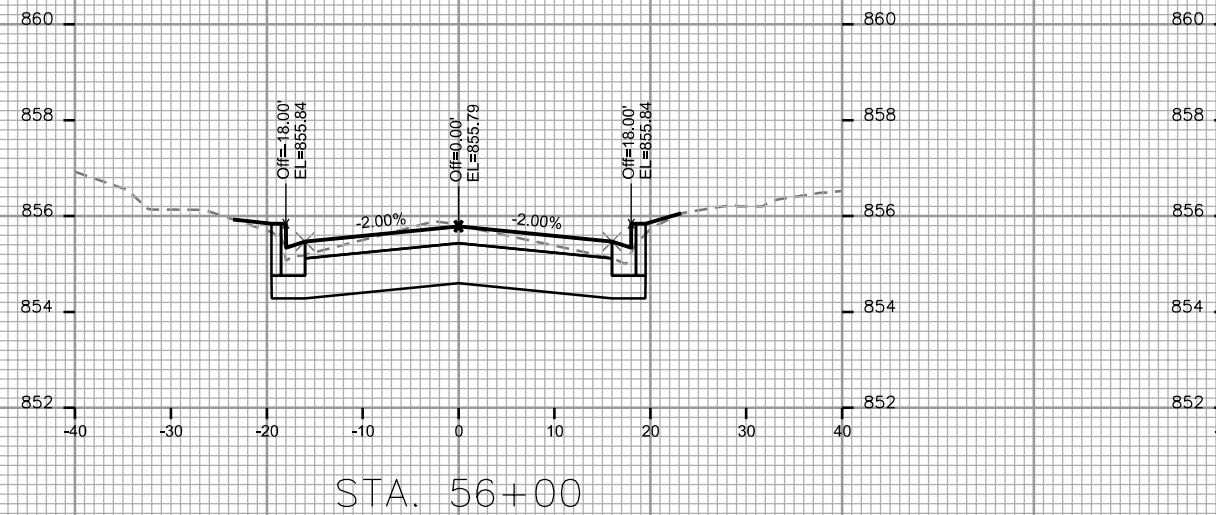
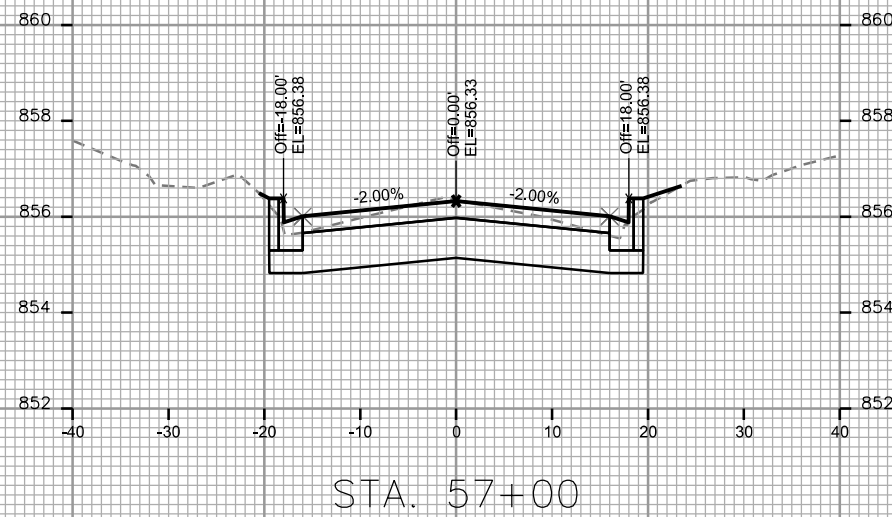
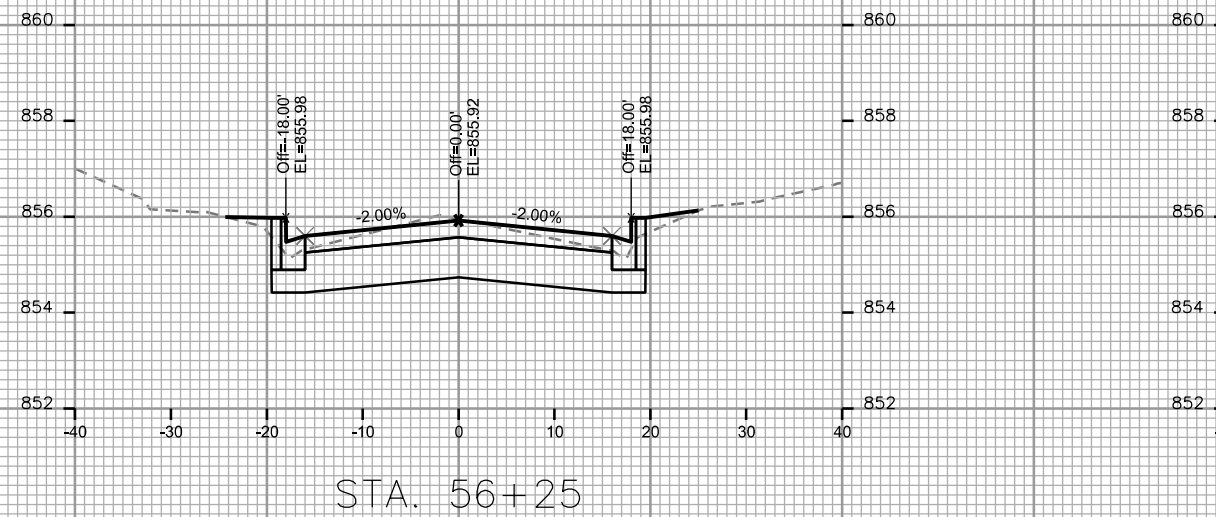


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

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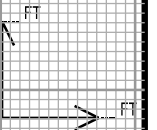
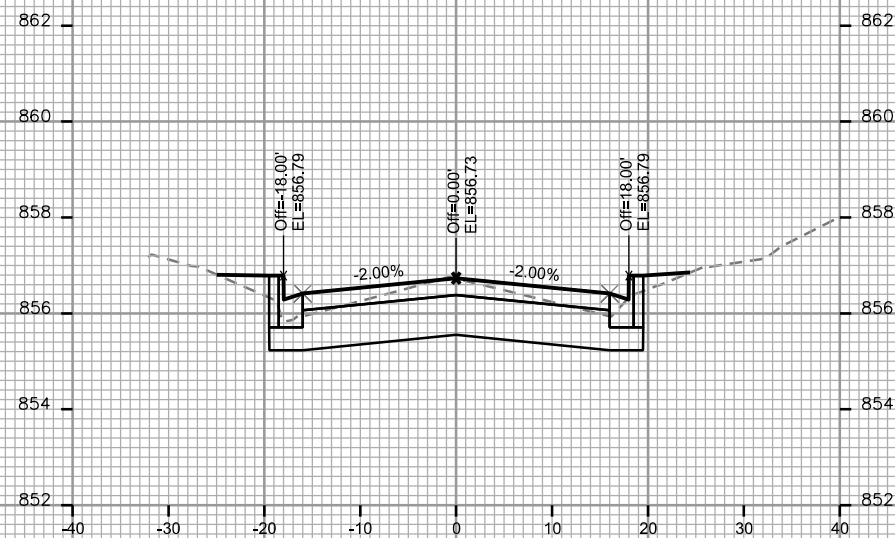
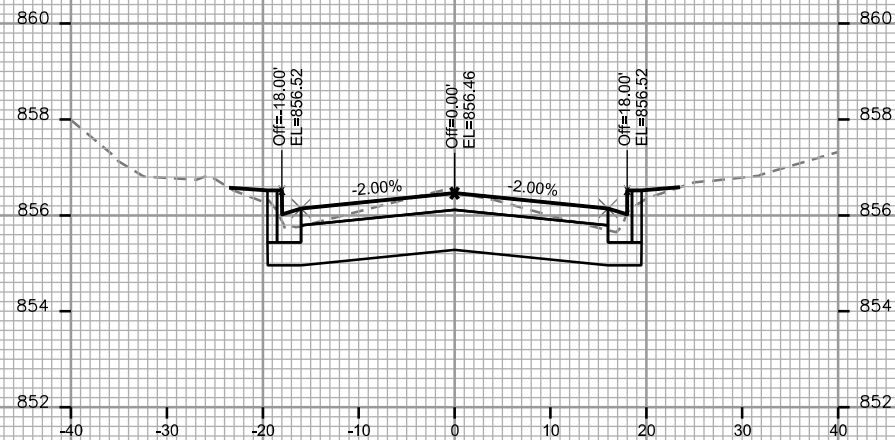
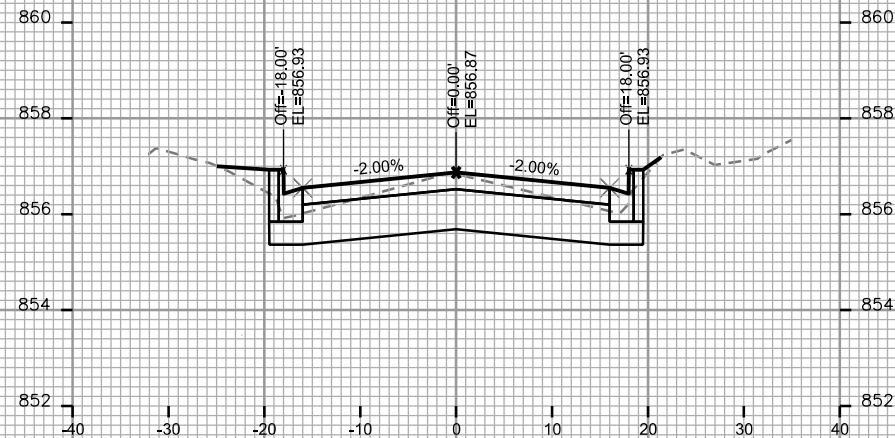
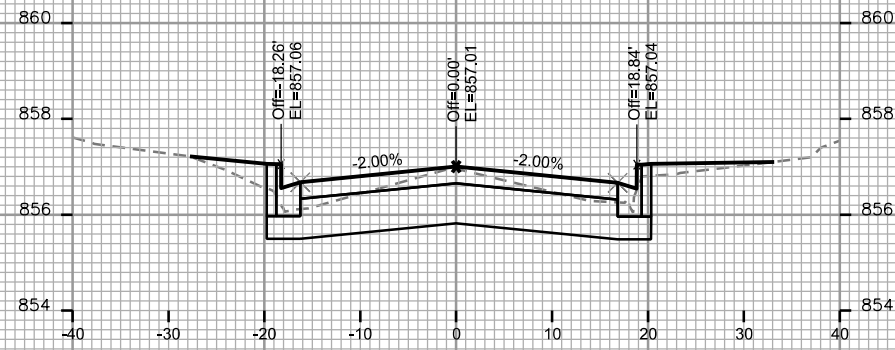
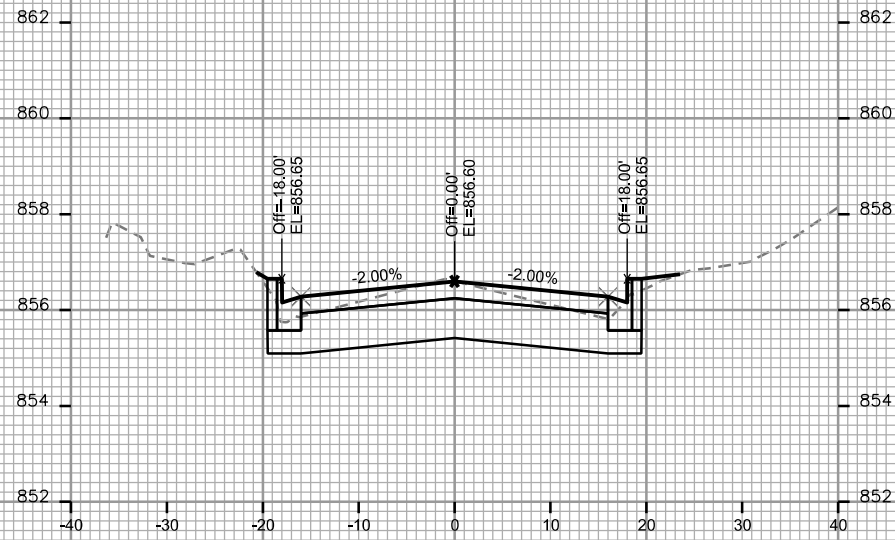
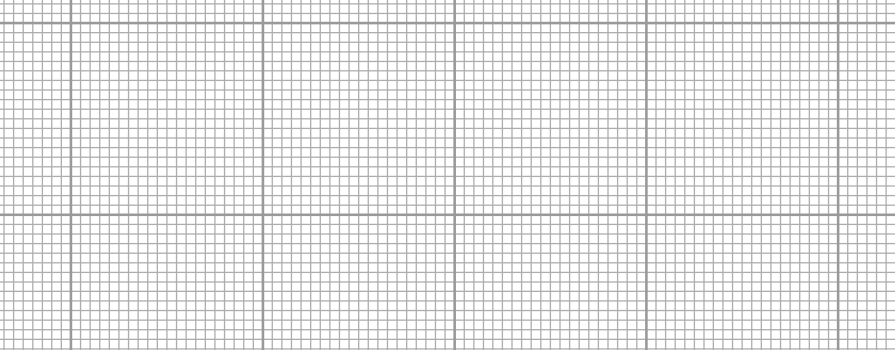
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

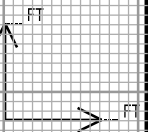
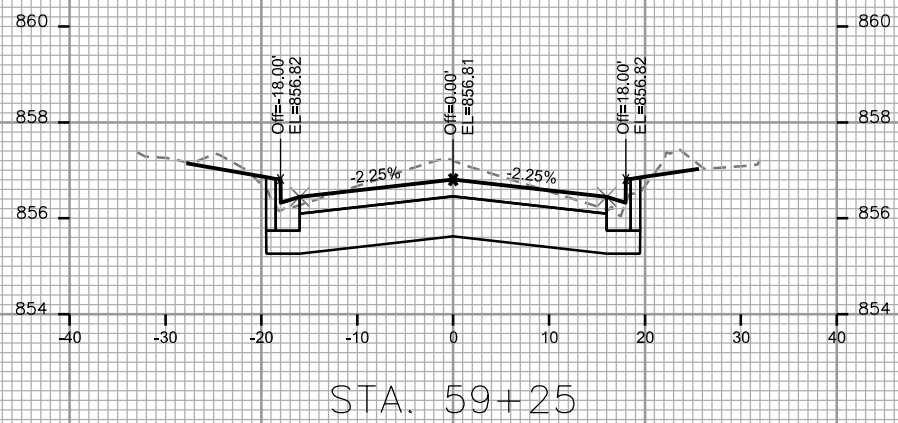
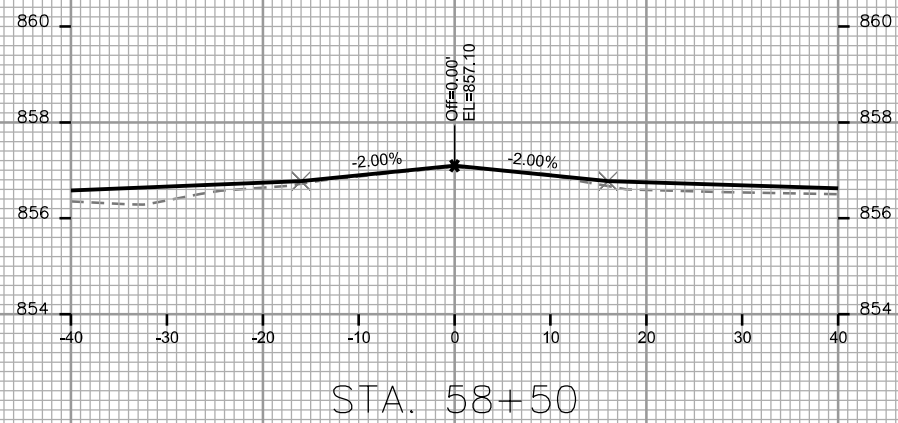
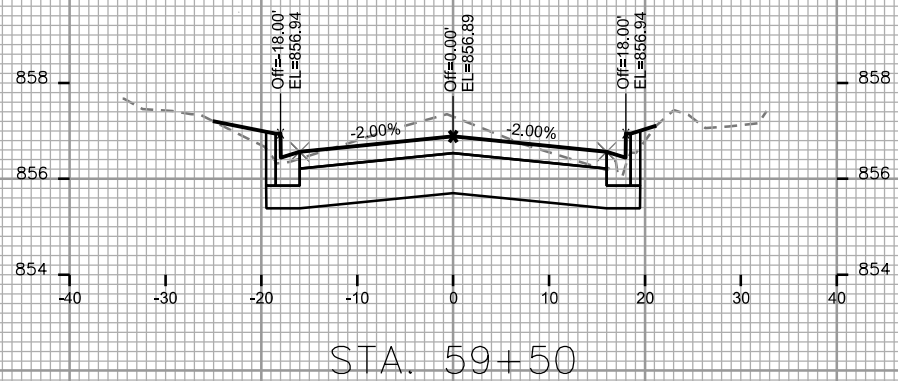
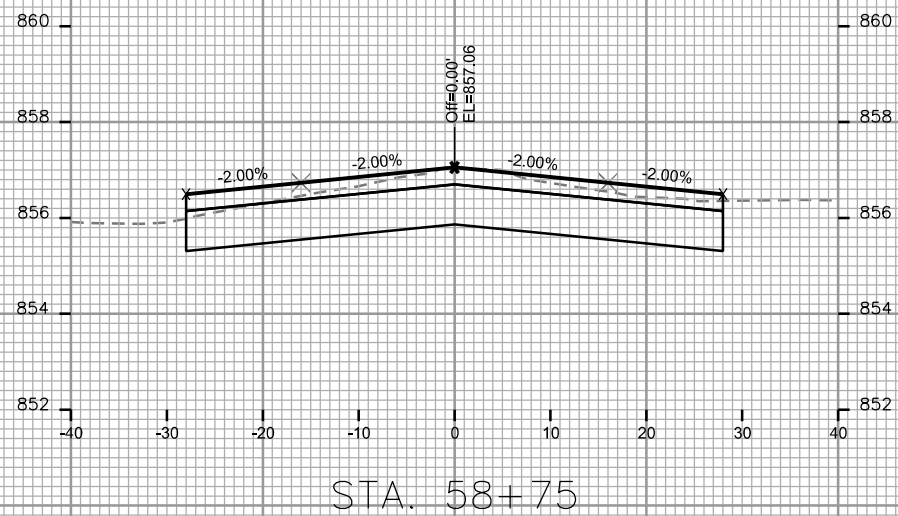
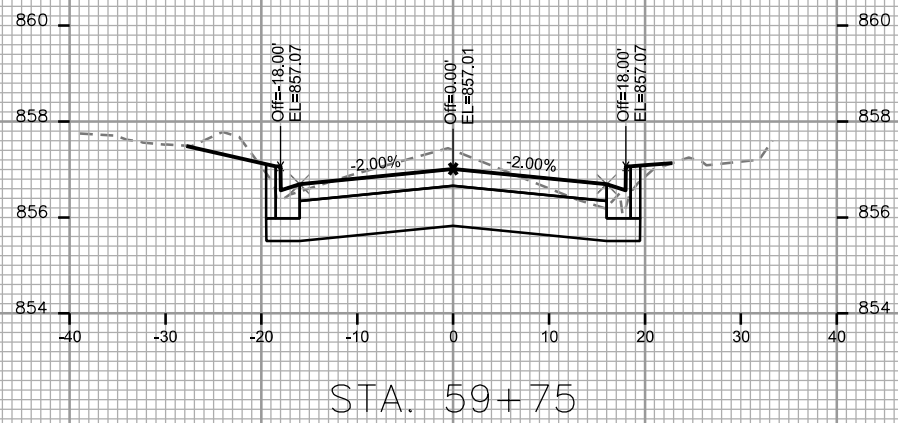
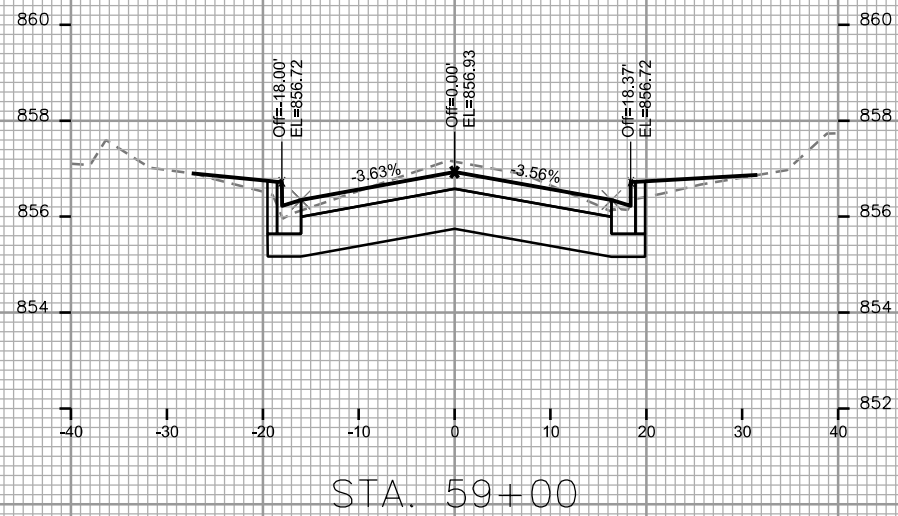
PLOT SCALE: _____

PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



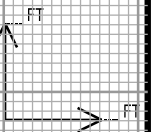
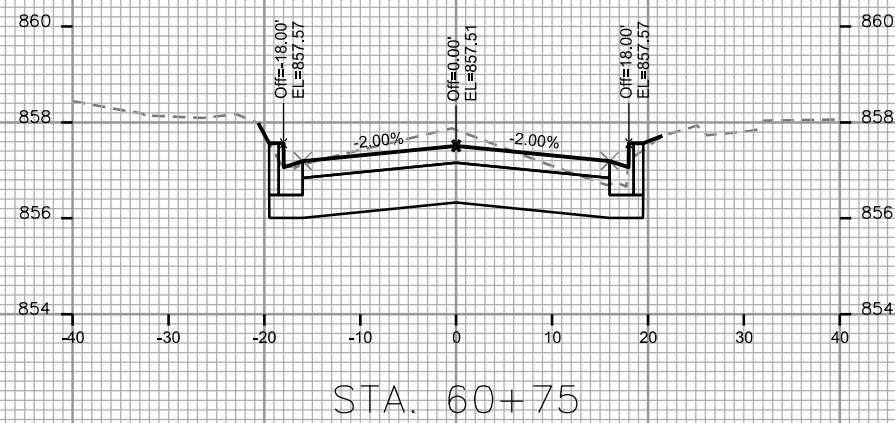
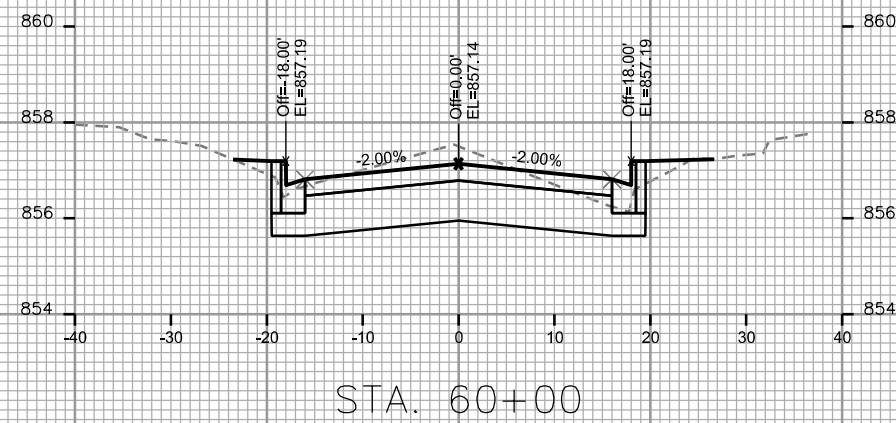
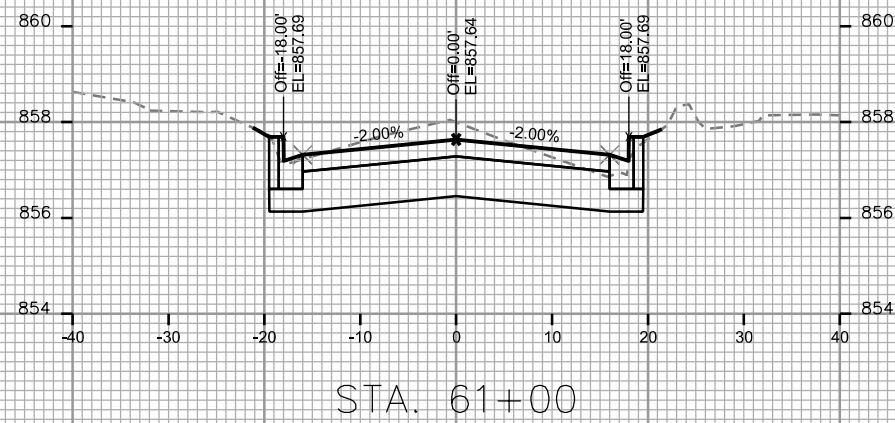
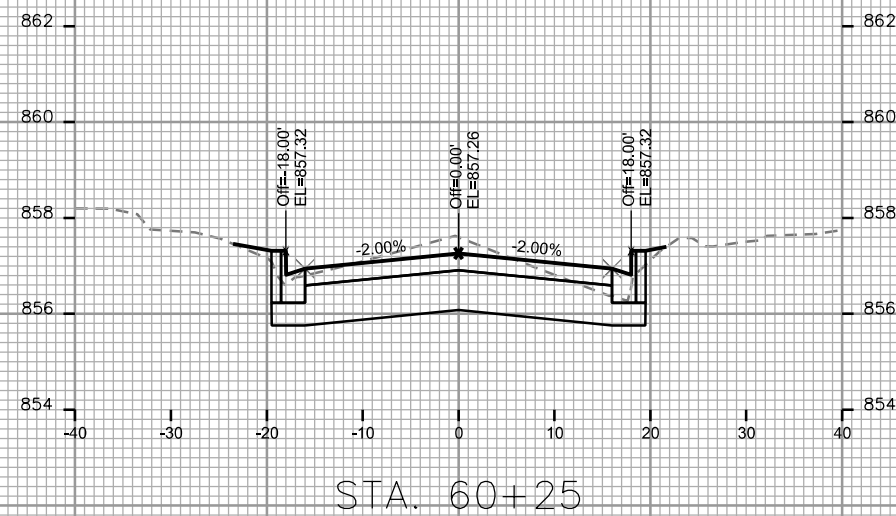
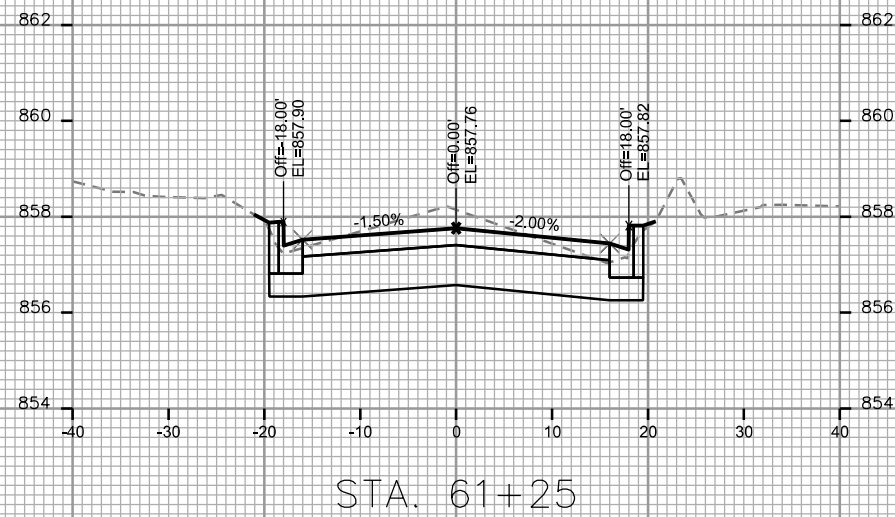
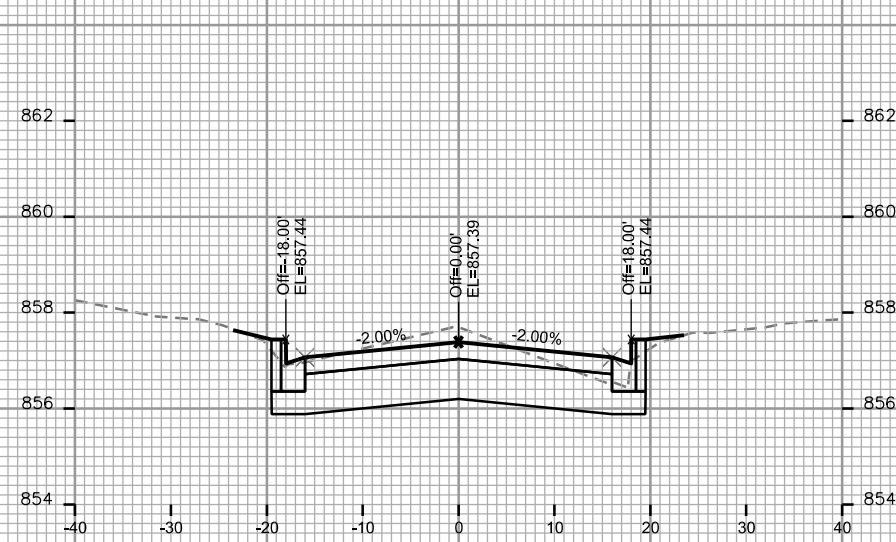


PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

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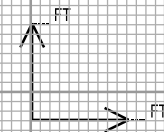
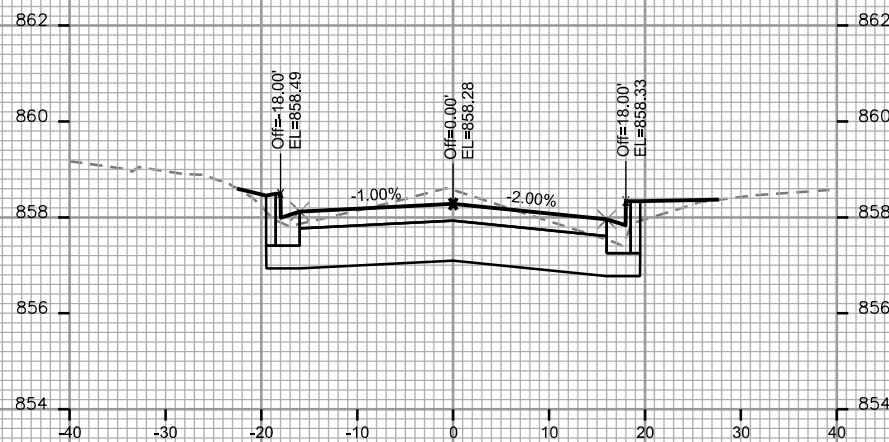
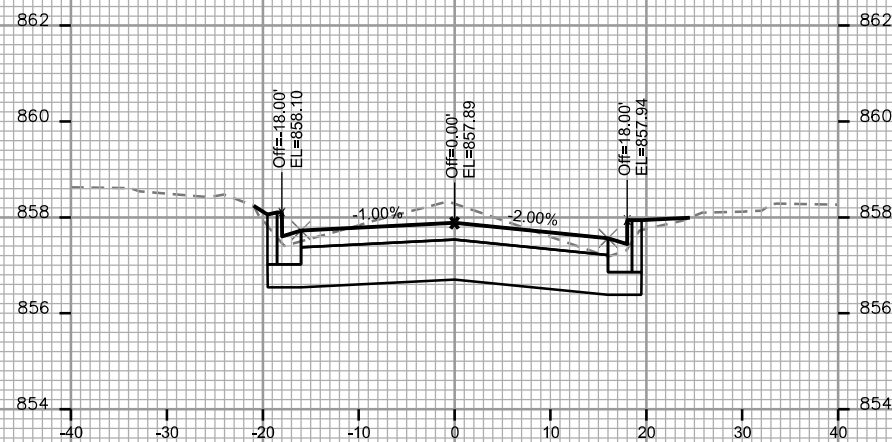
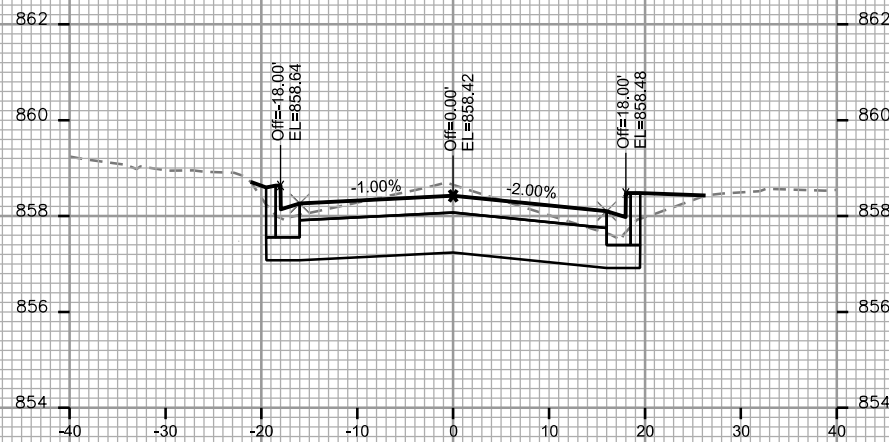
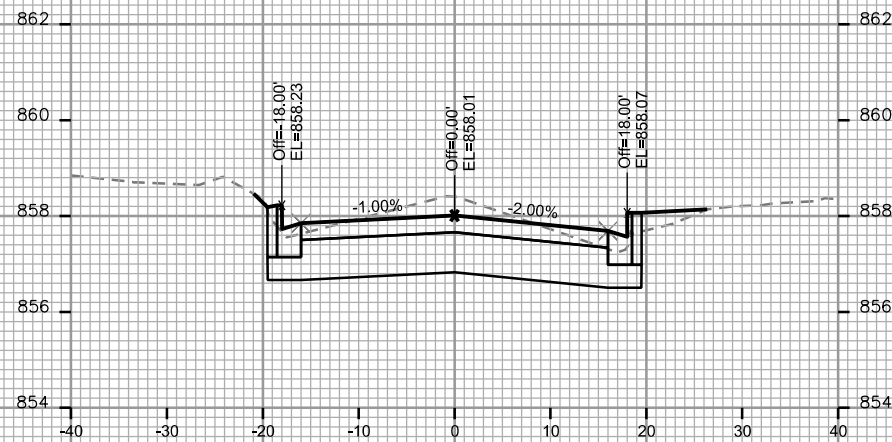
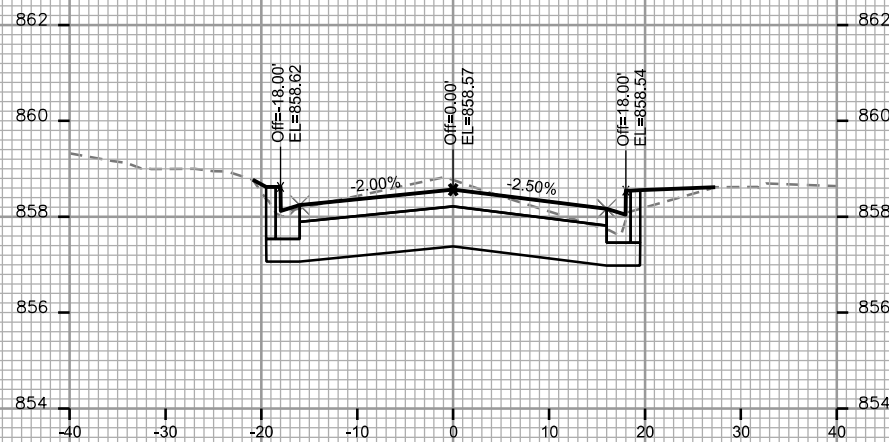
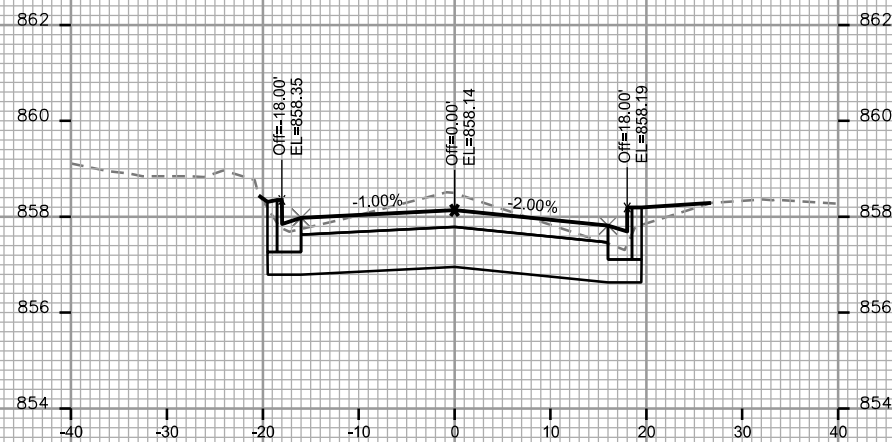
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

WALTER STREET

CITY OF MADISON

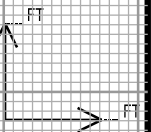
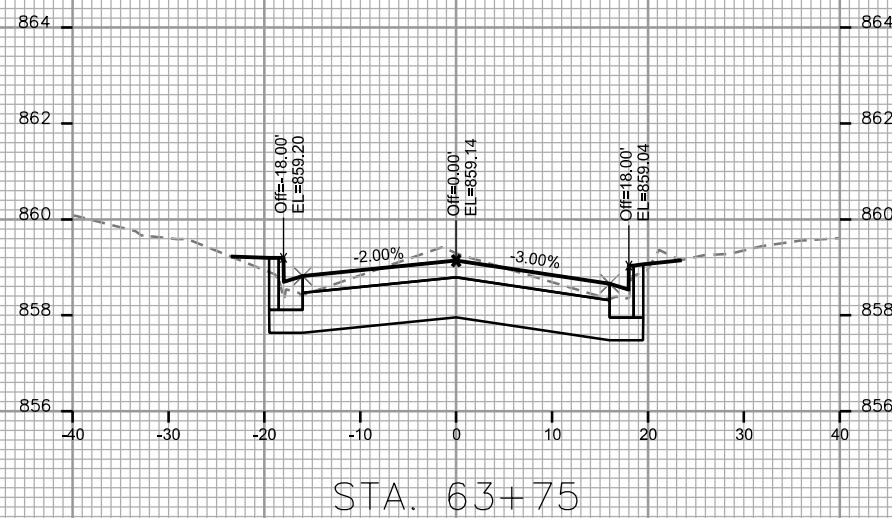
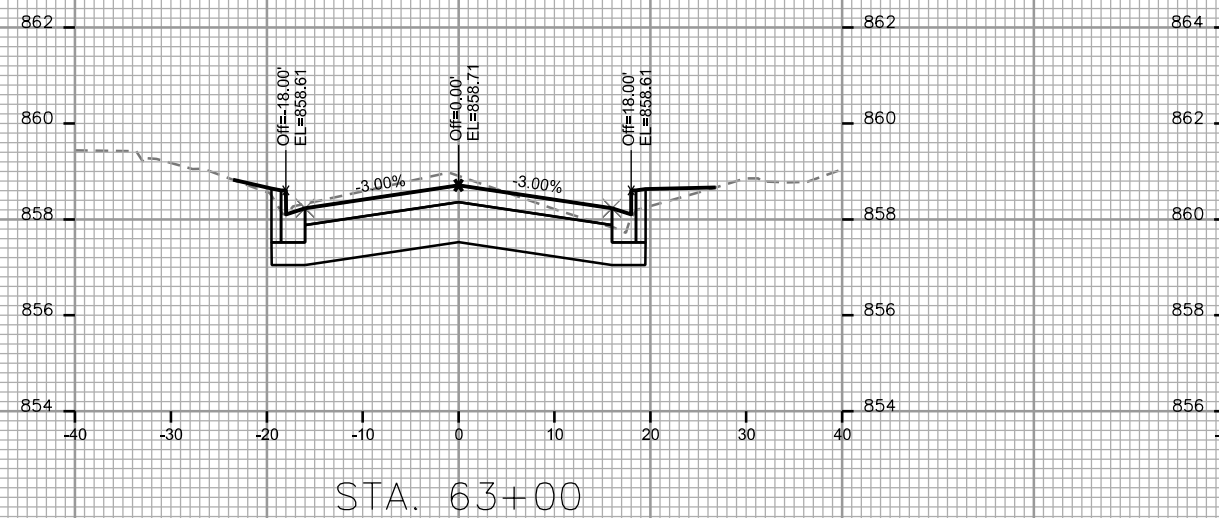
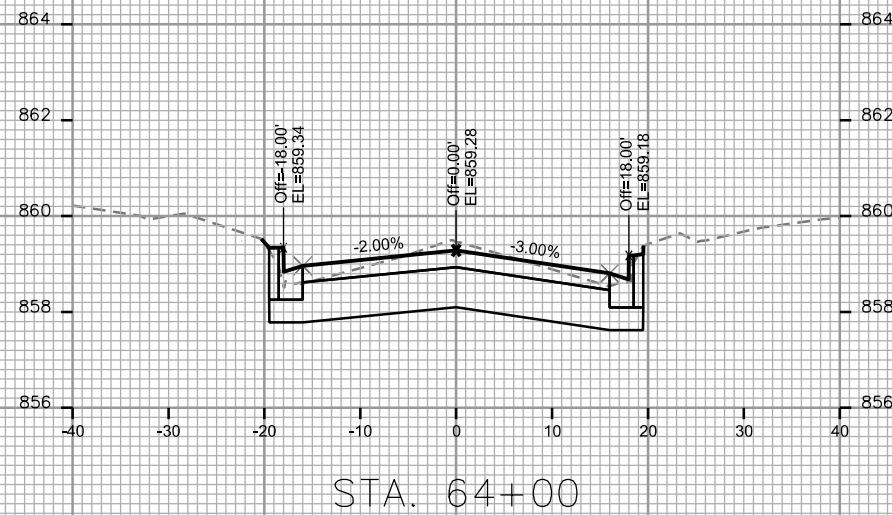
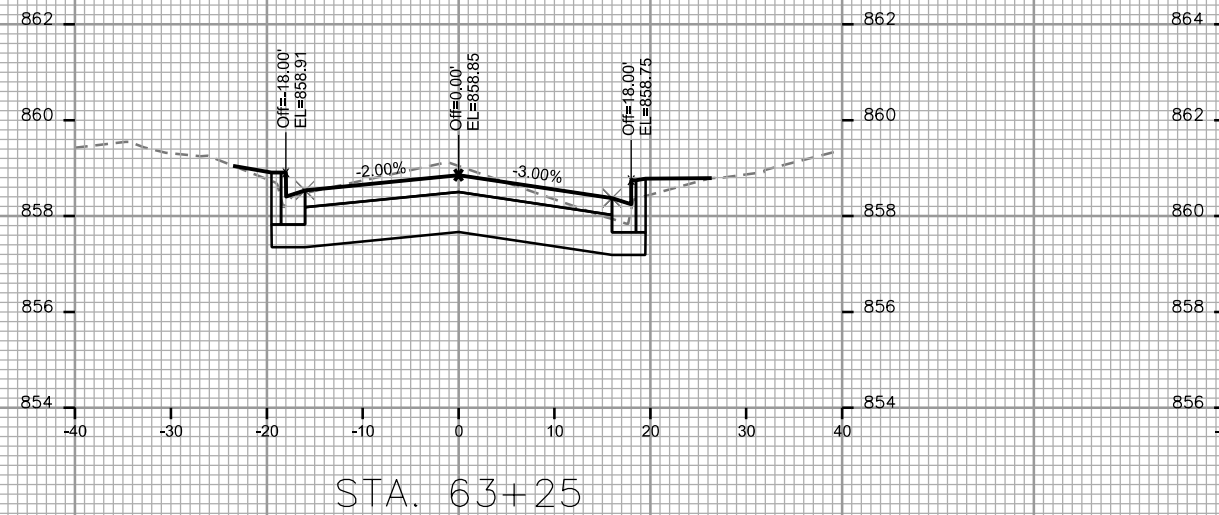
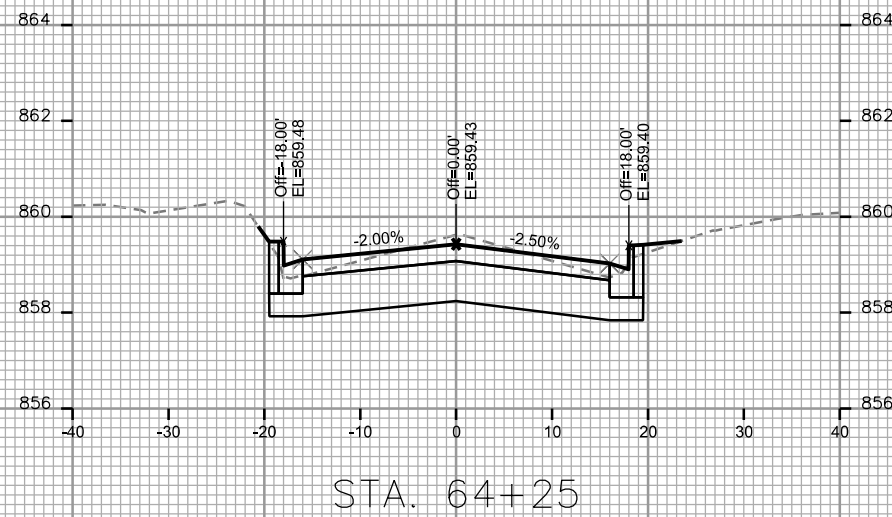
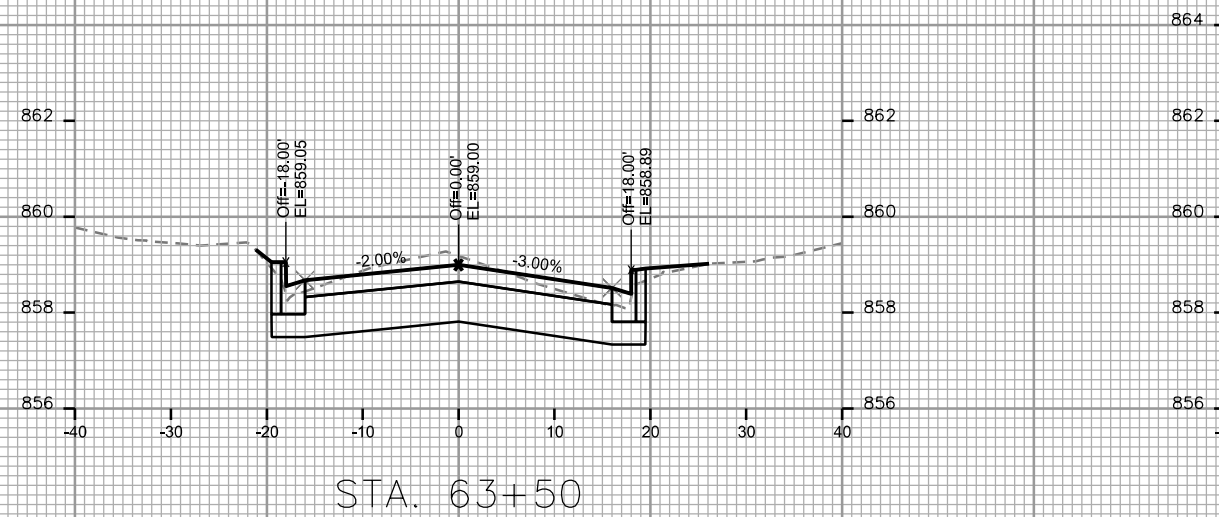


PLOT SCALE: _____

PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

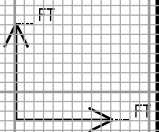
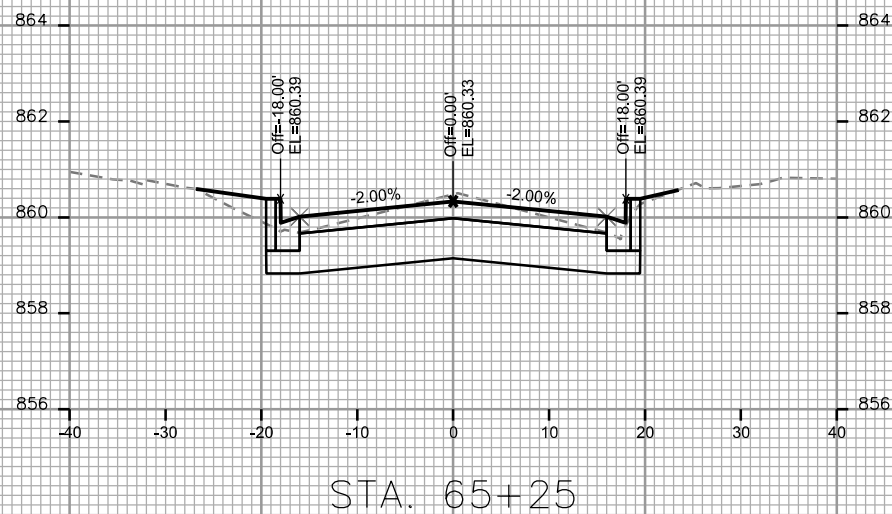
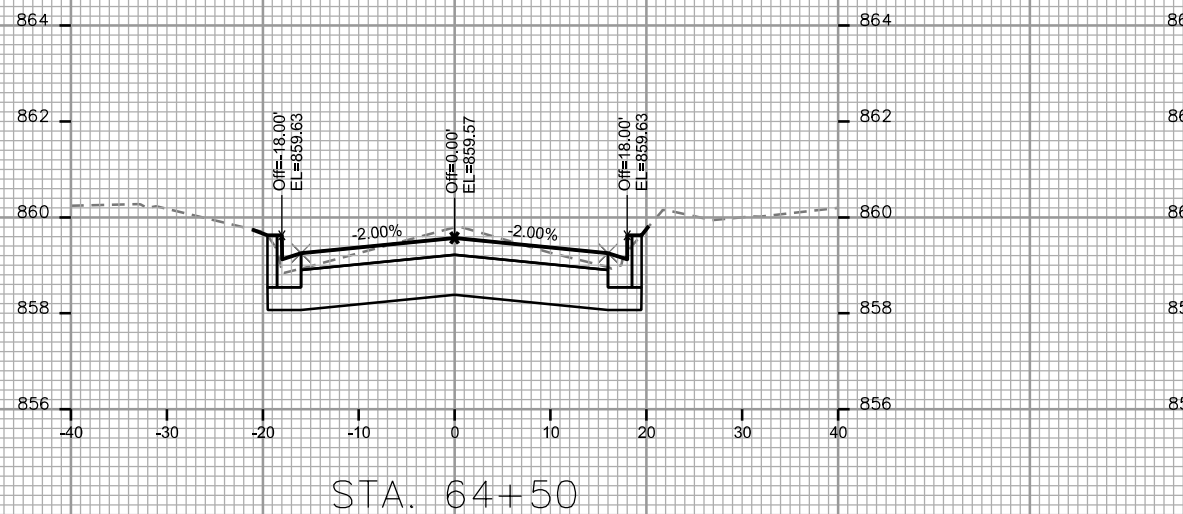
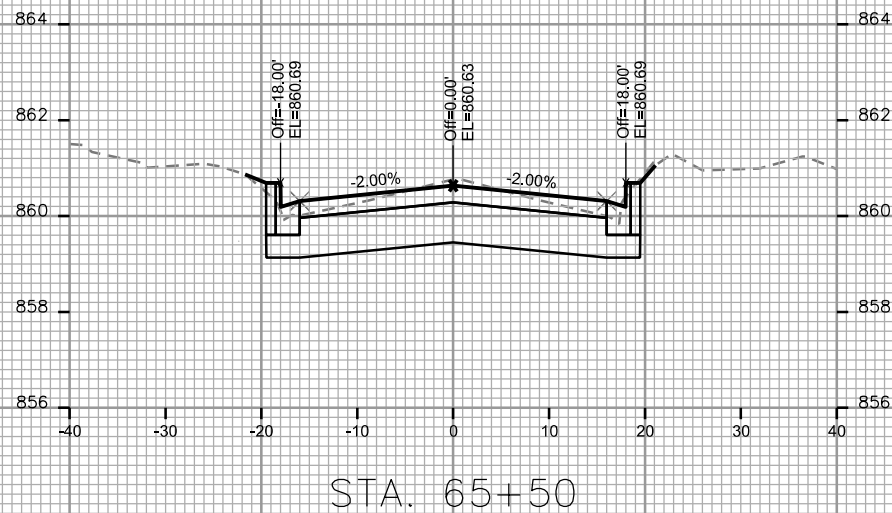
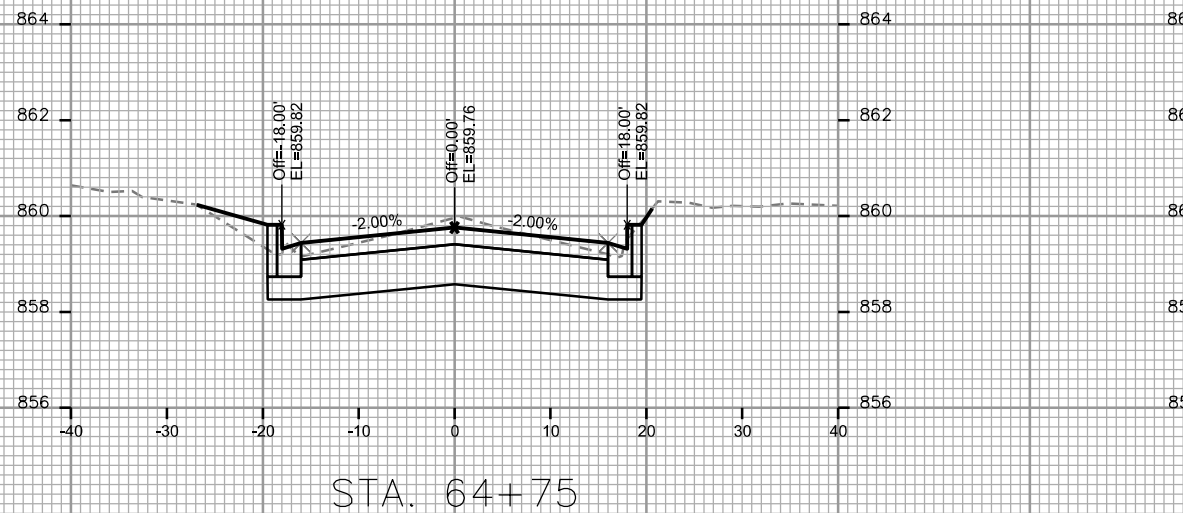
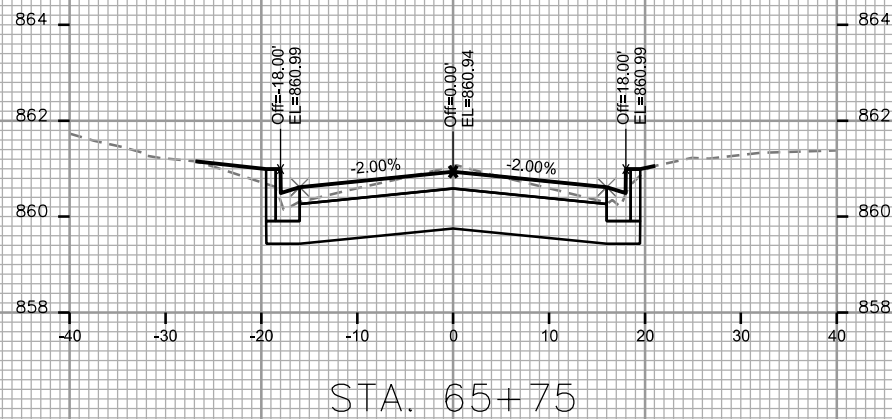
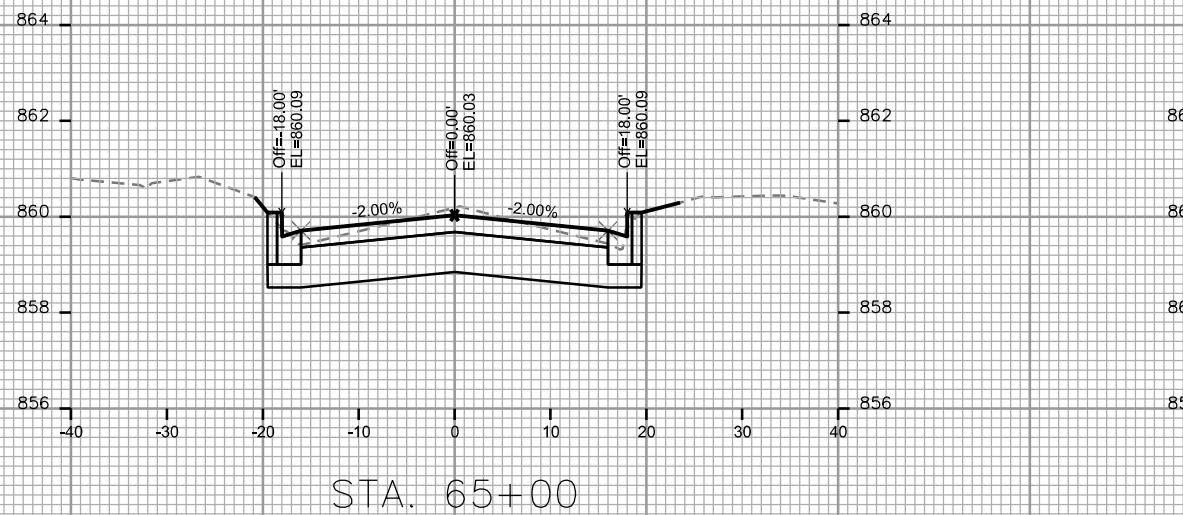


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PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

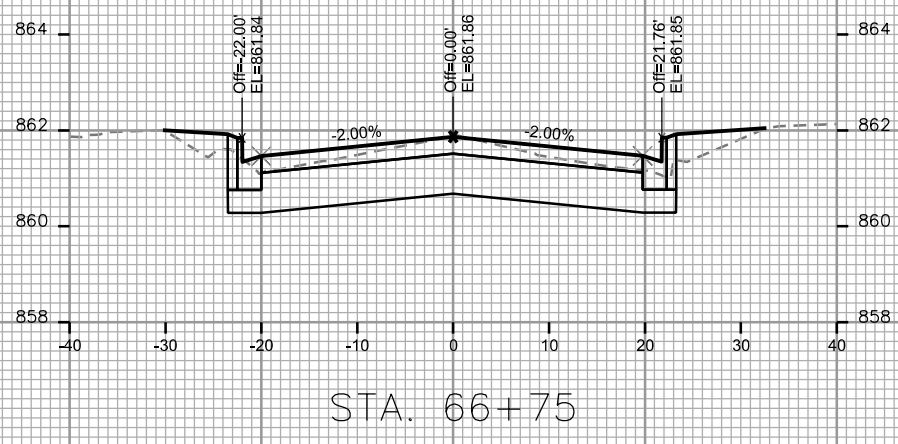
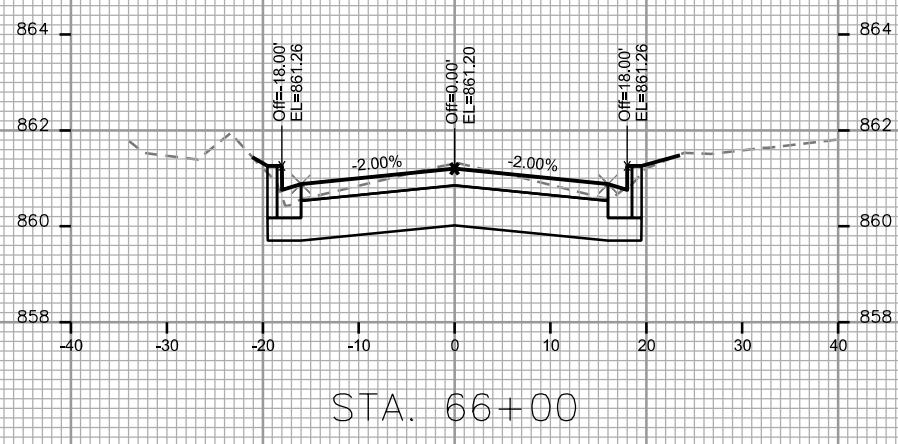
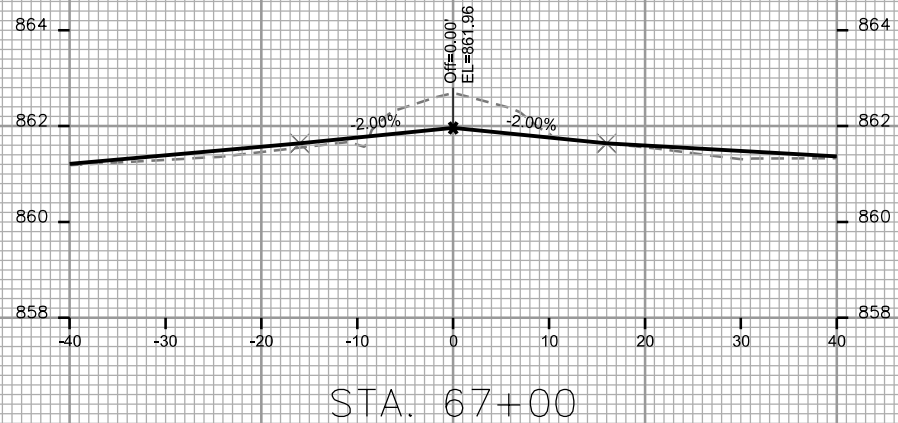
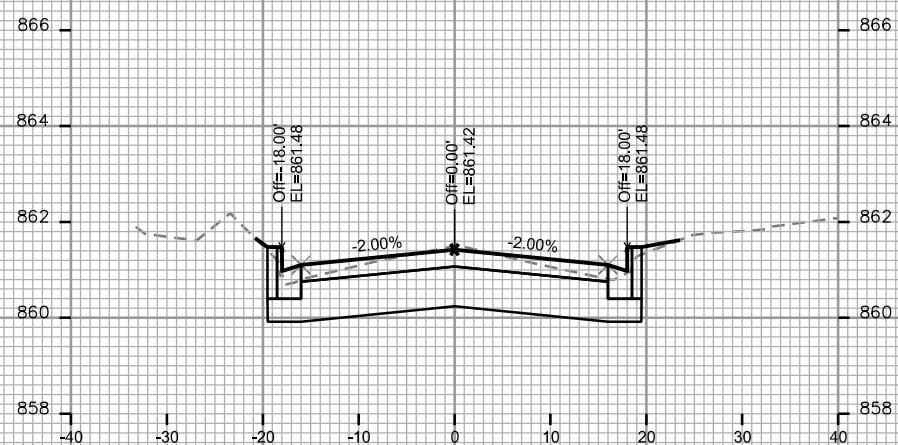
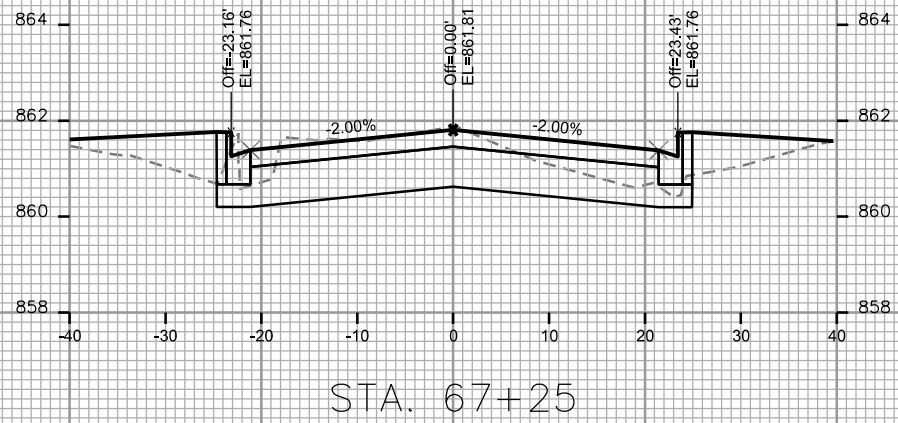
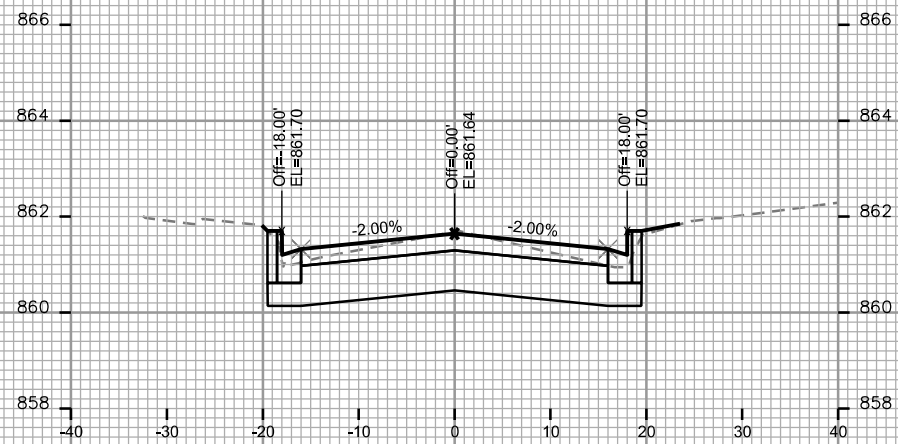


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

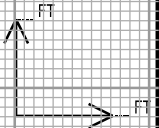
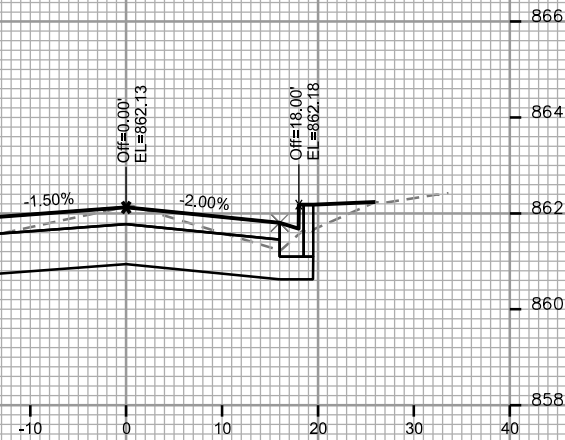
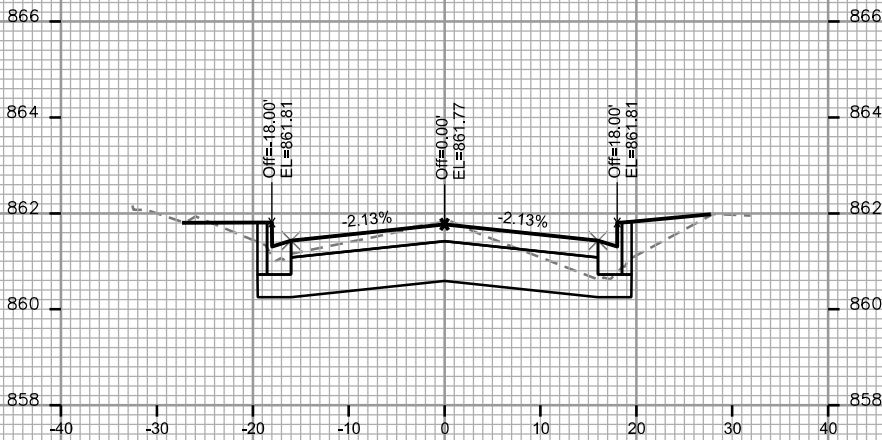
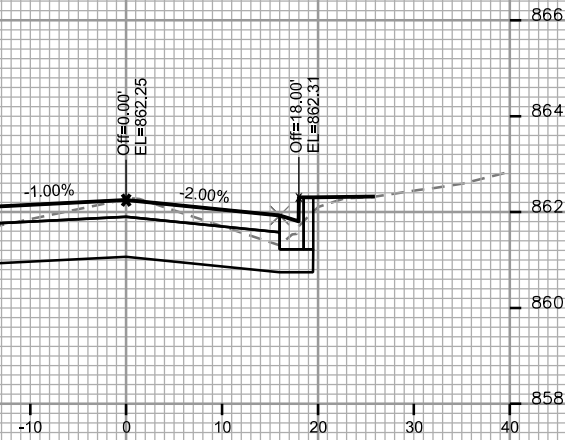
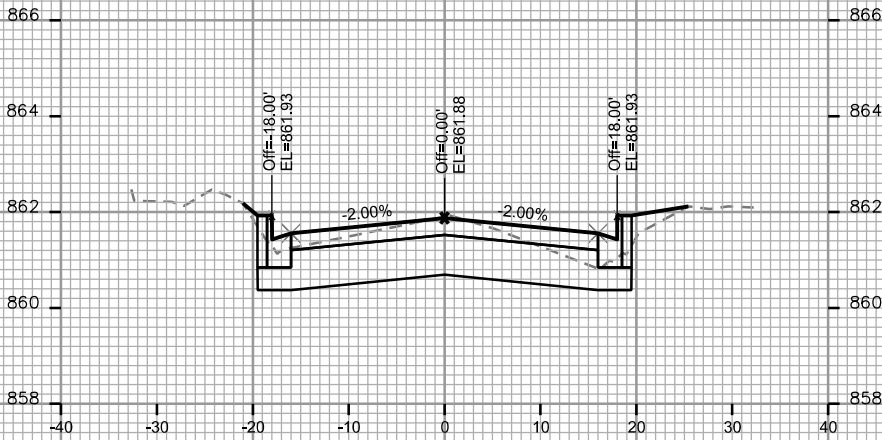
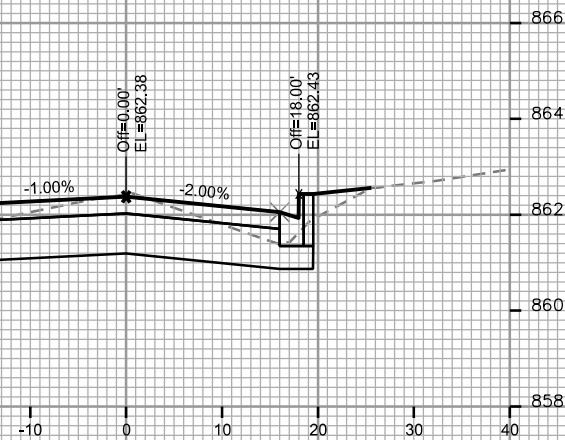
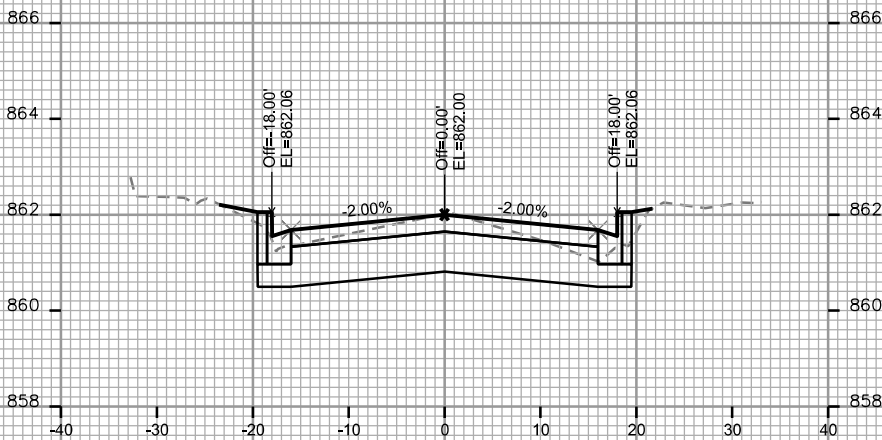
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

WALTER STREET

CITY OF MADISON

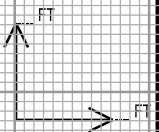
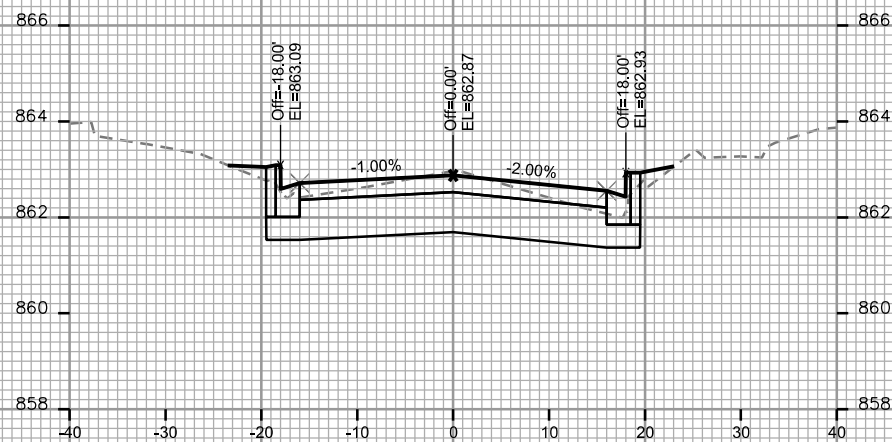
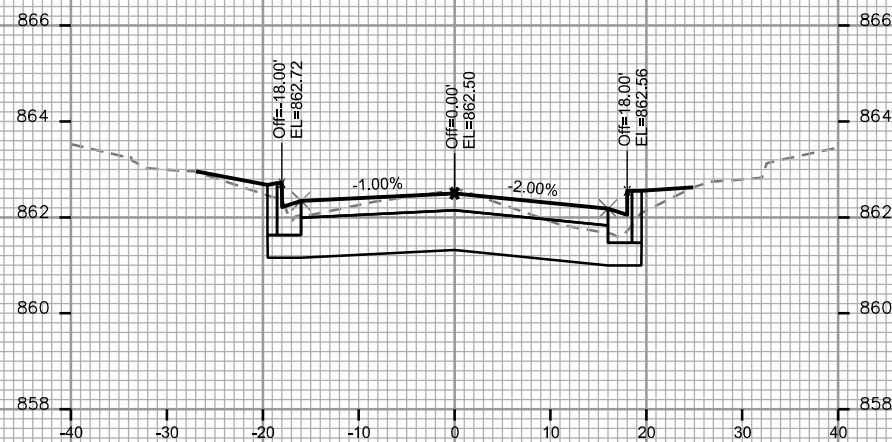
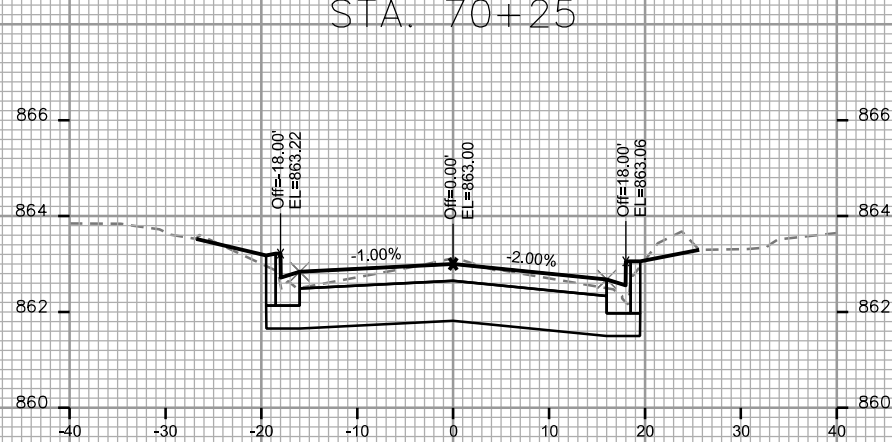
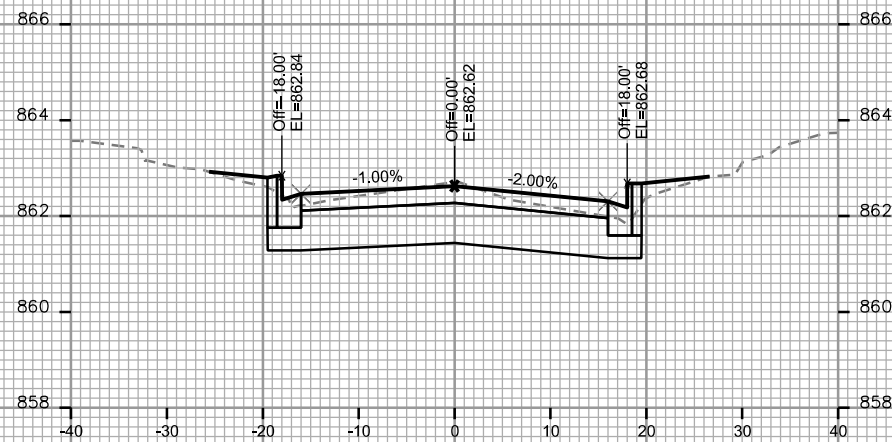
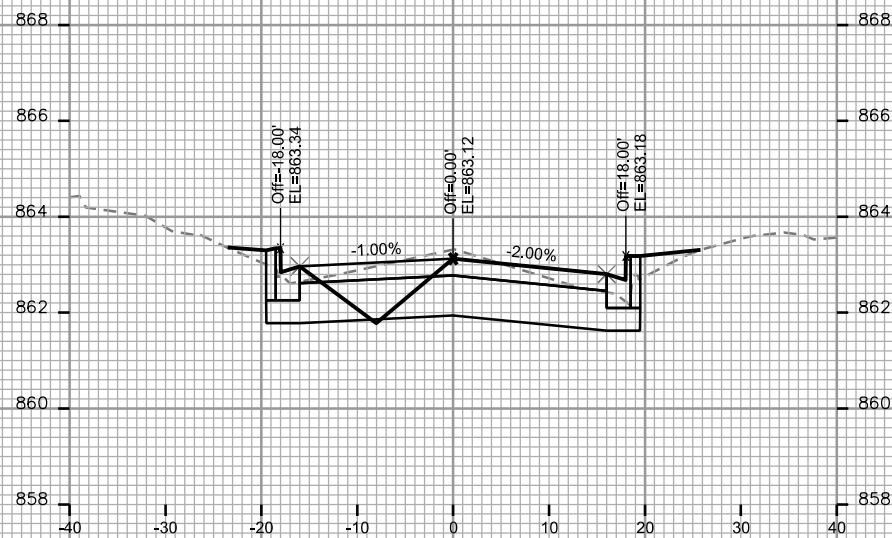
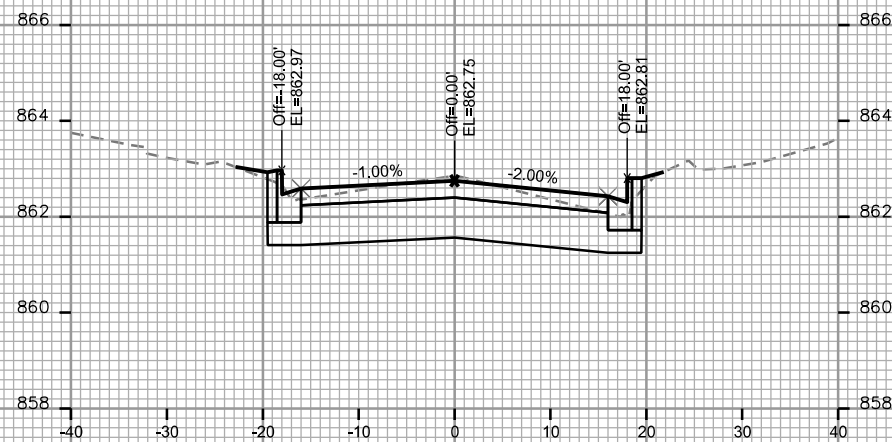


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

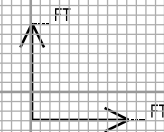
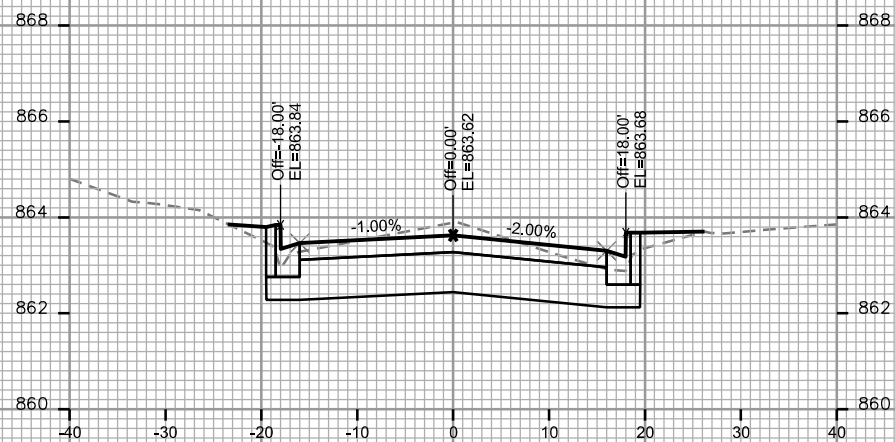
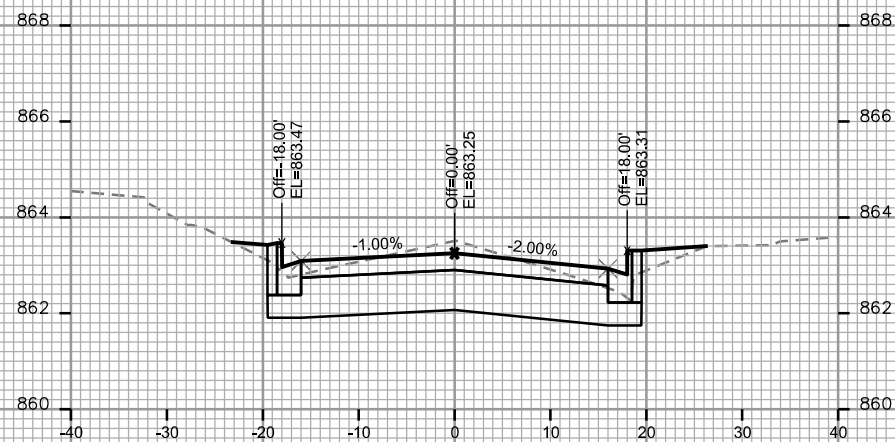
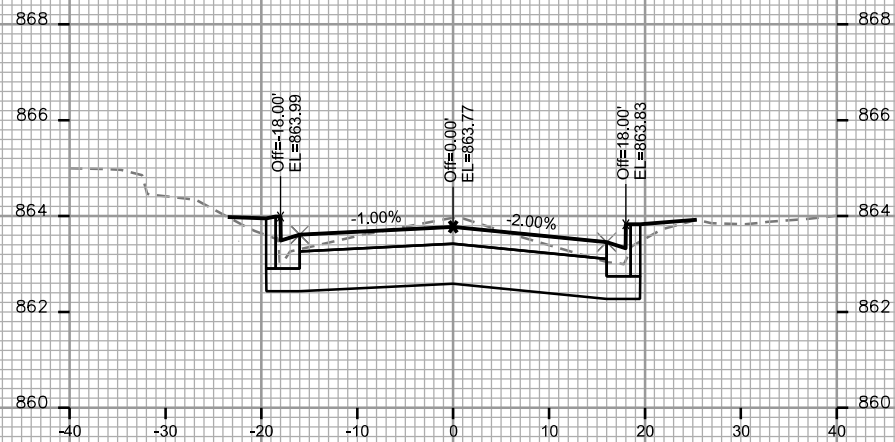
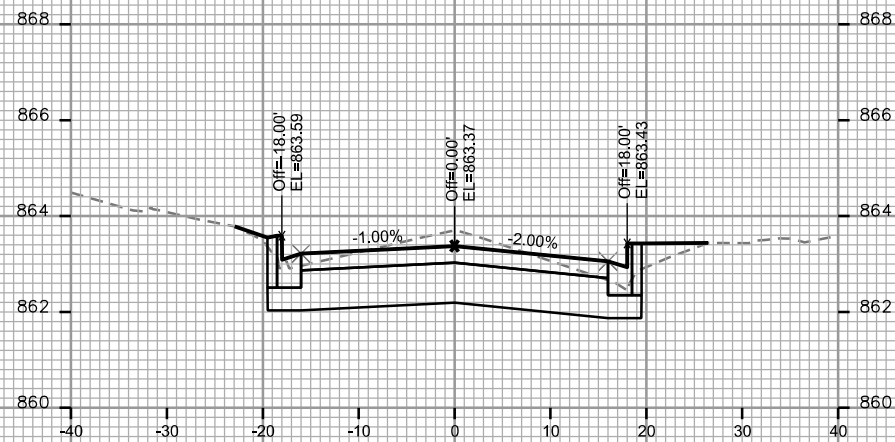
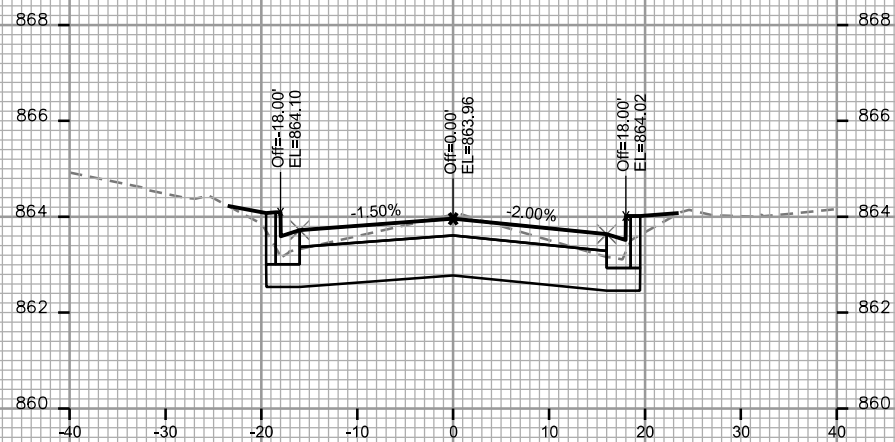
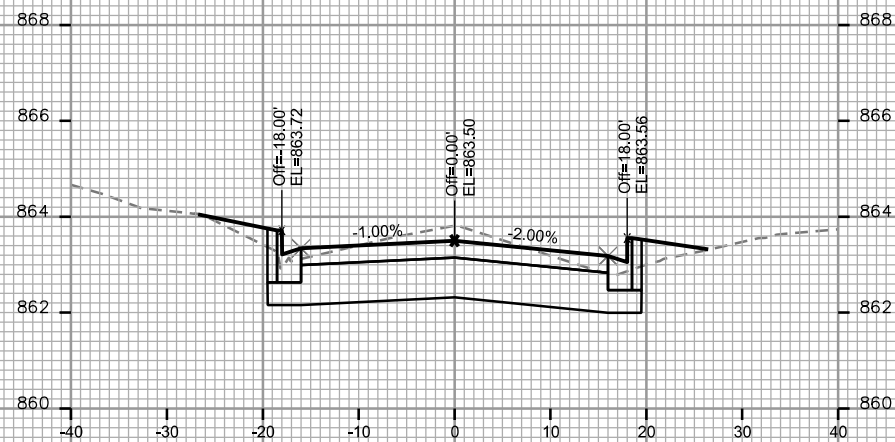
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

WALTER STREET

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

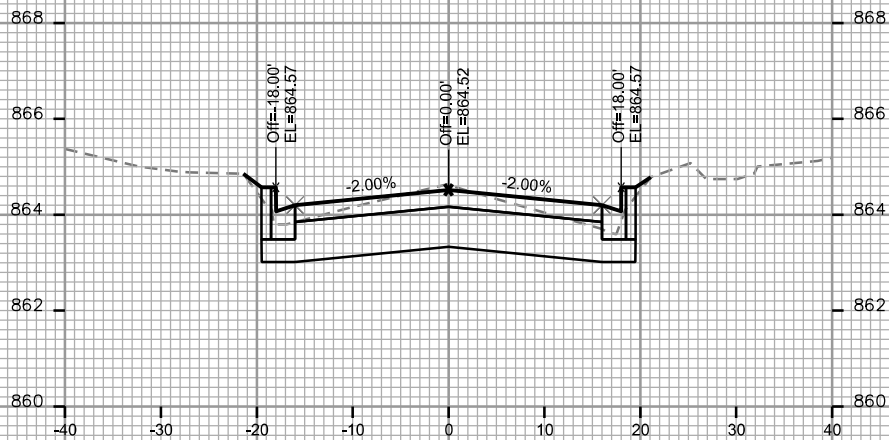
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

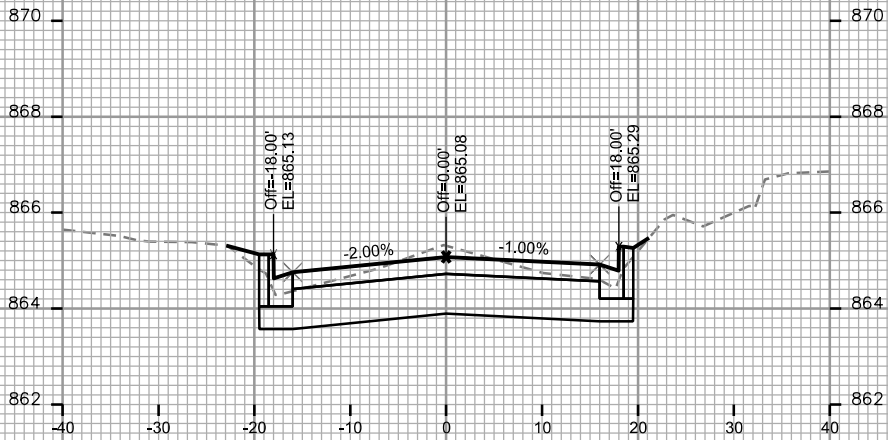
CROSS SECTIONS

WALTER STREET

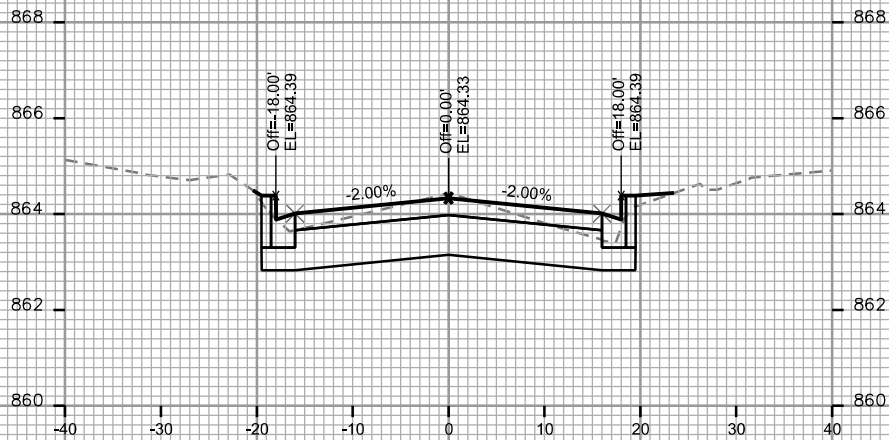
CITY OF MADISON



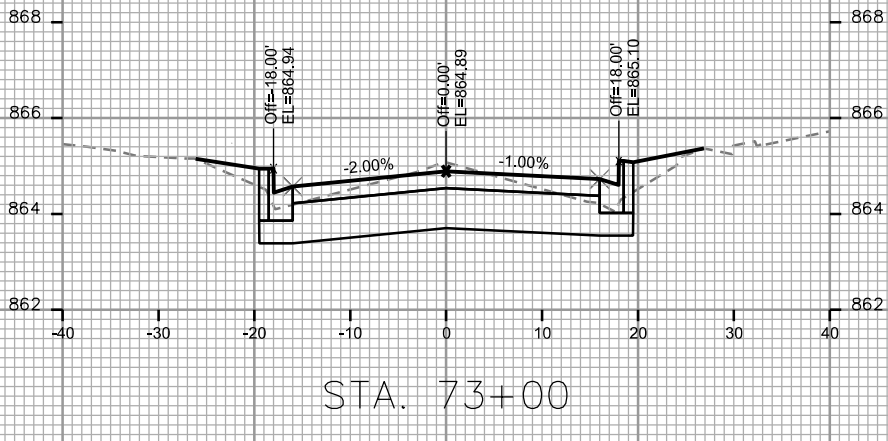
STA. 72+50



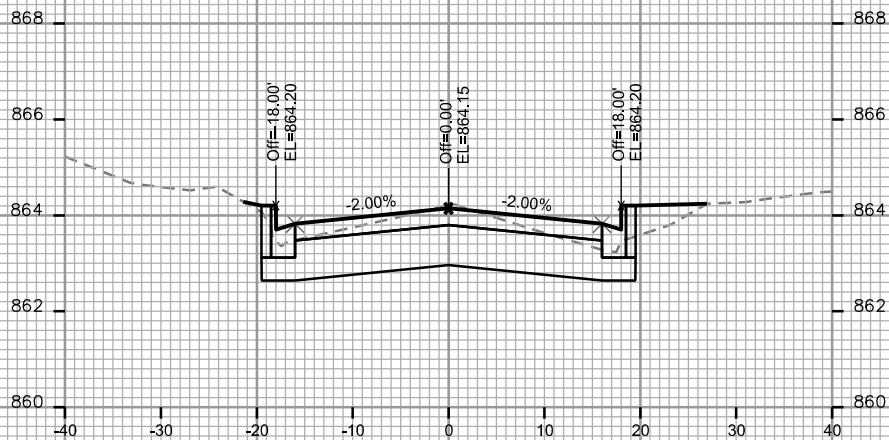
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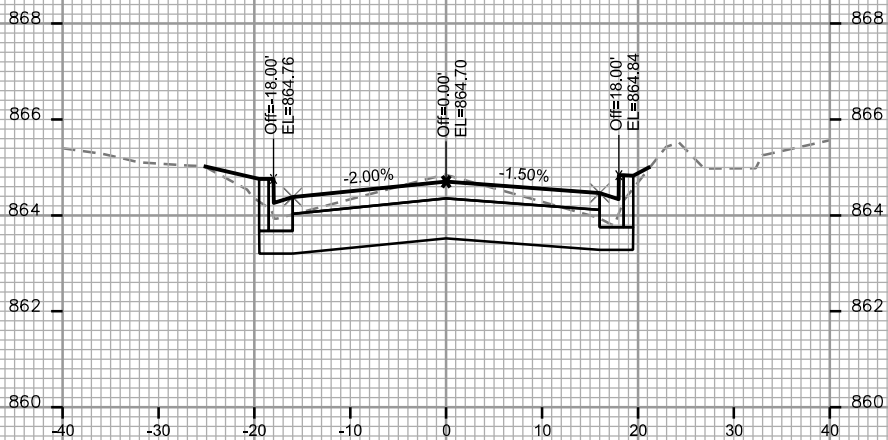
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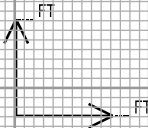
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STA. 72+00



STA. 72+75



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

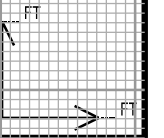
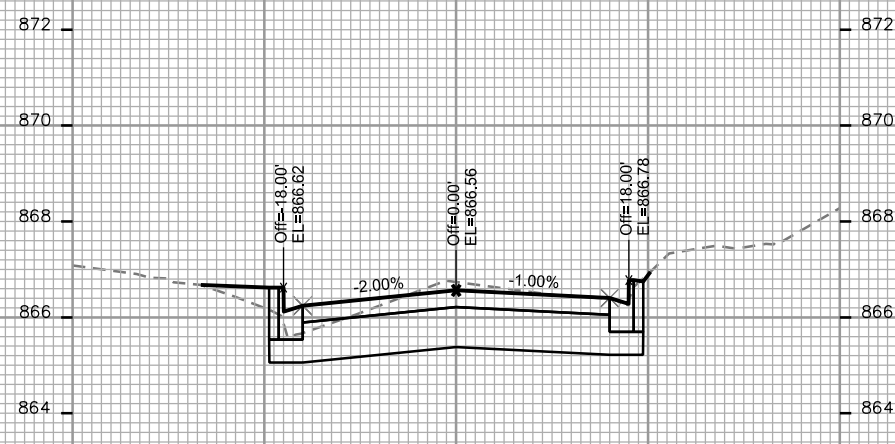
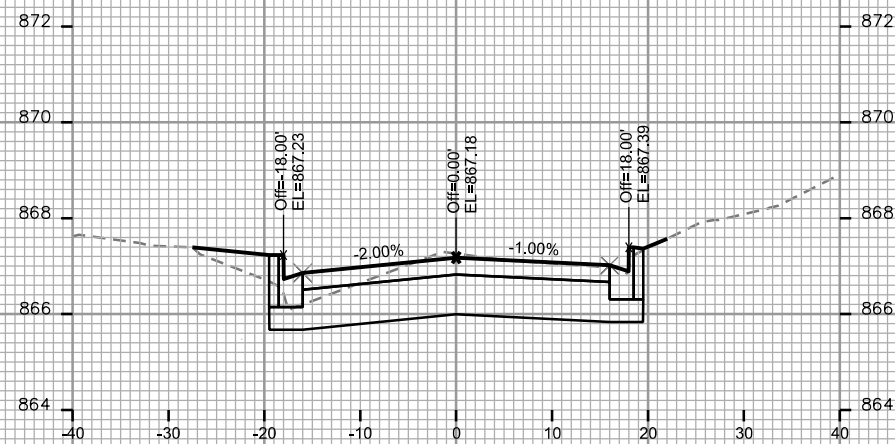
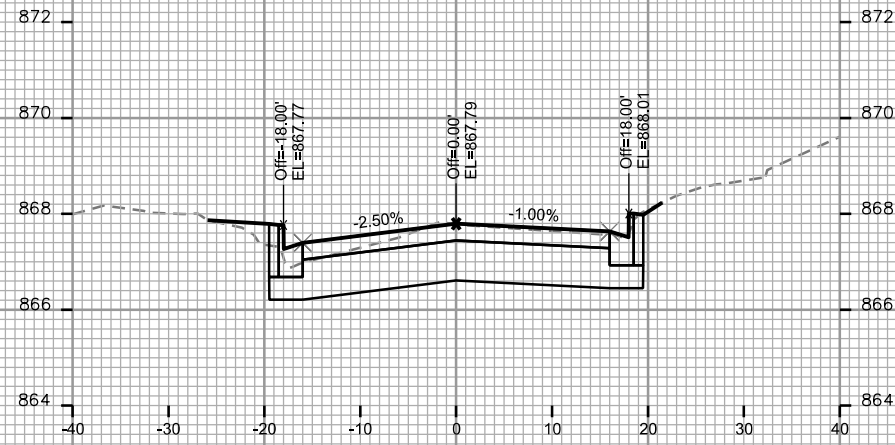
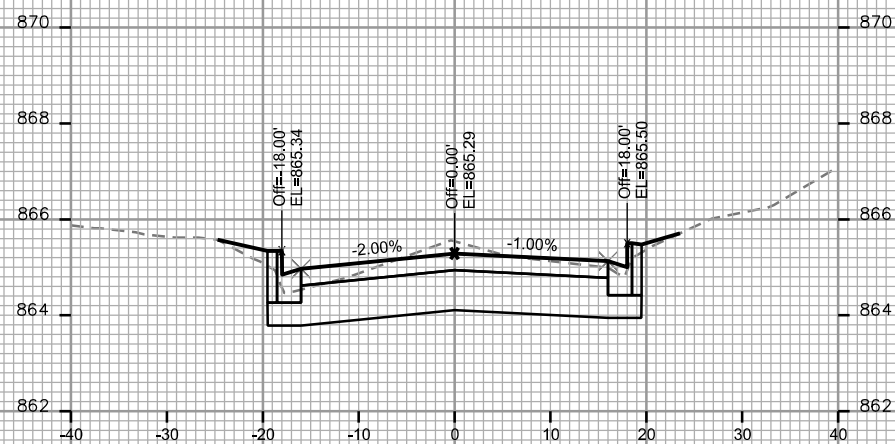
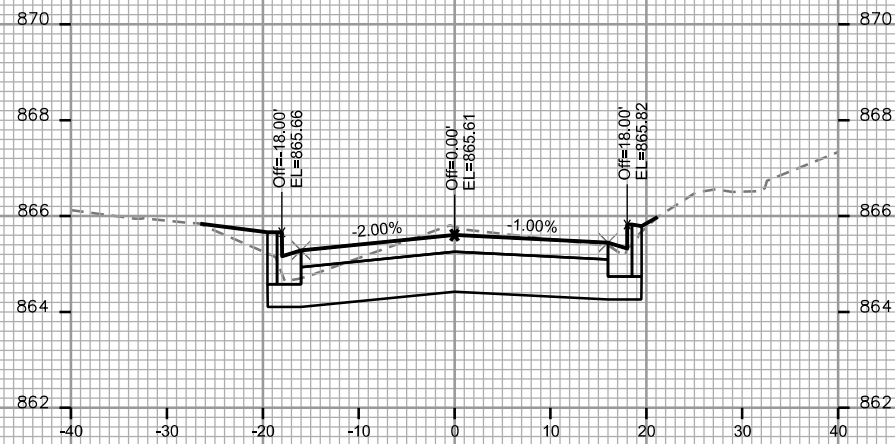
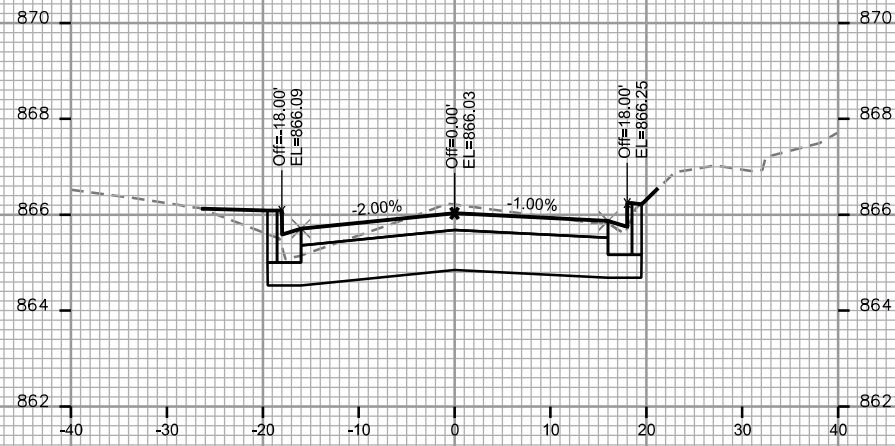
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

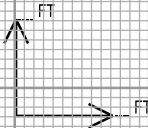
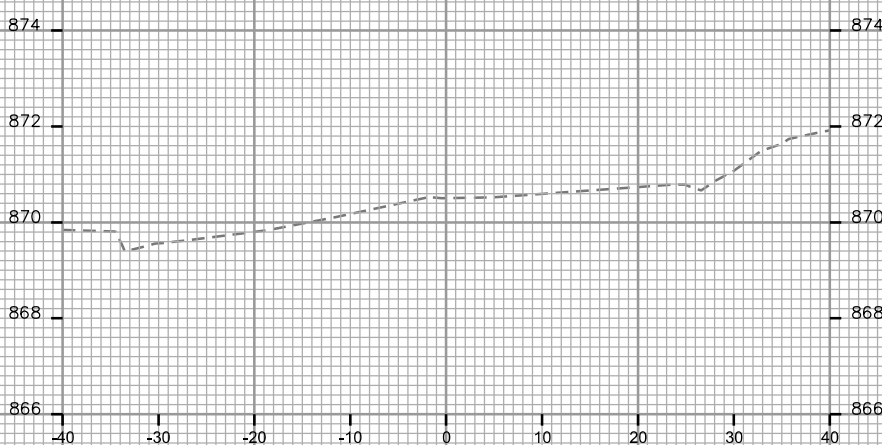
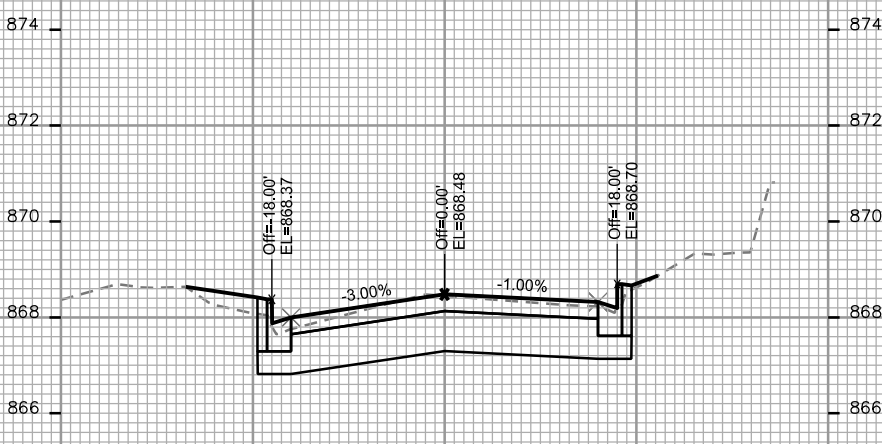
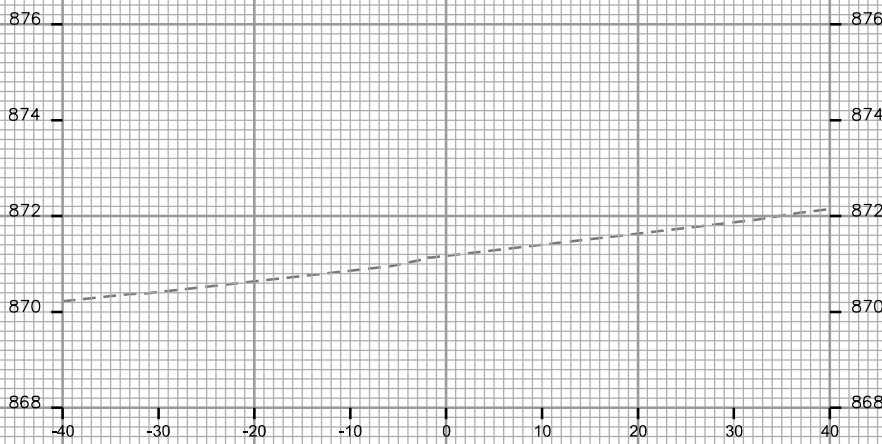
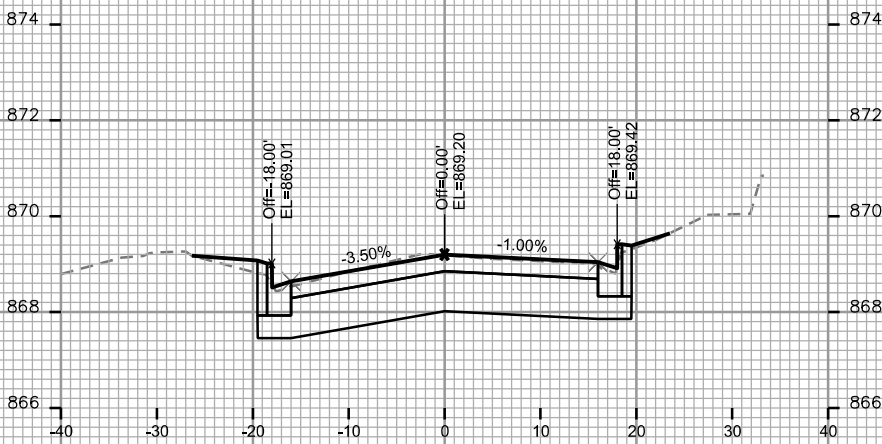
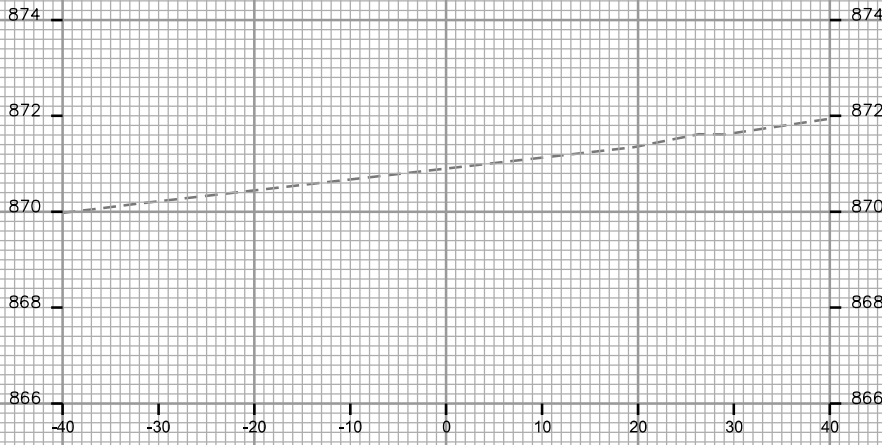
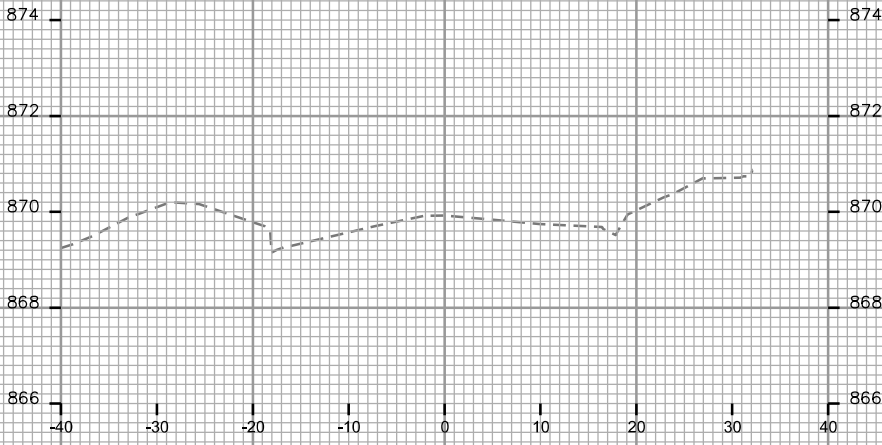


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

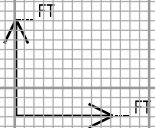
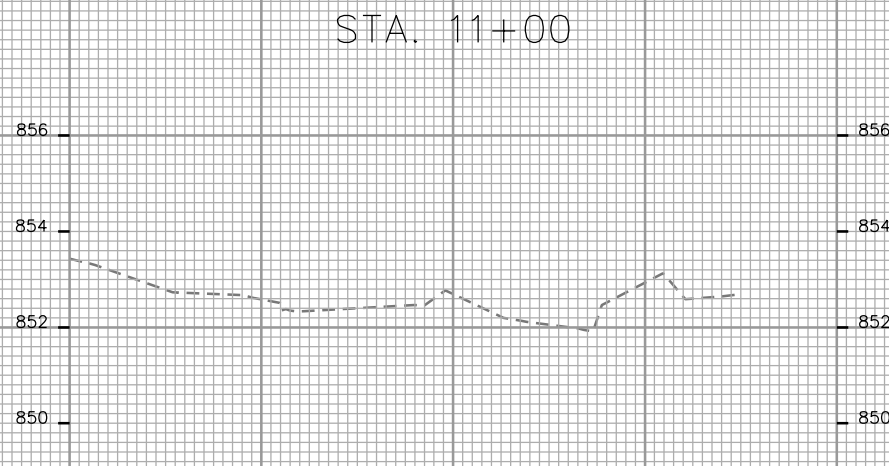
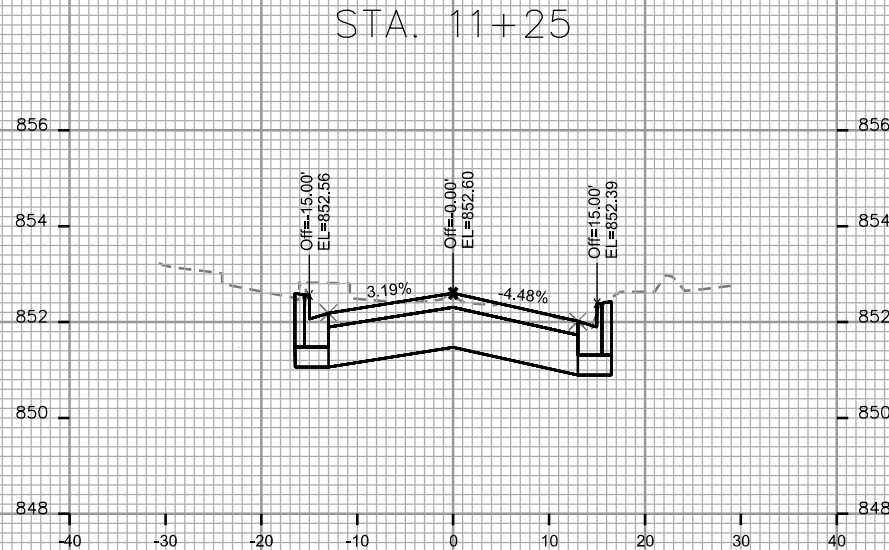
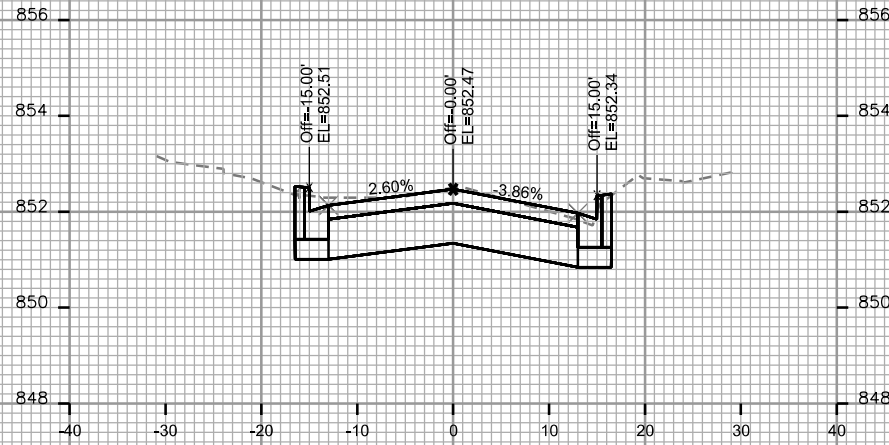
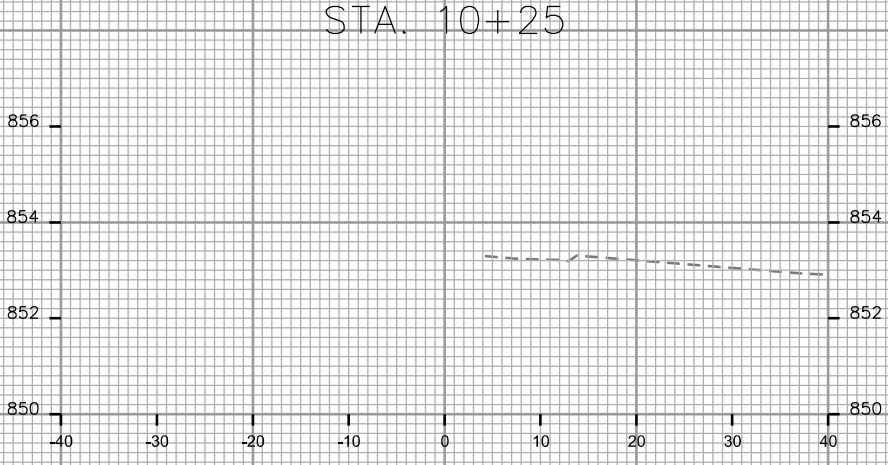
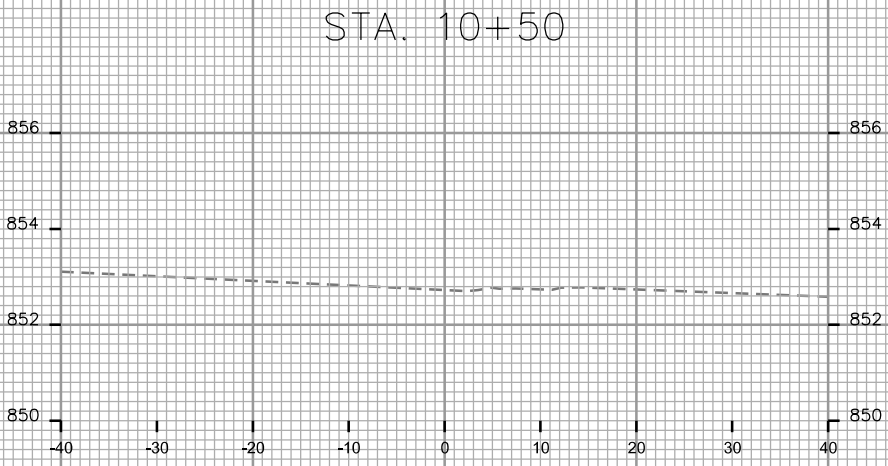
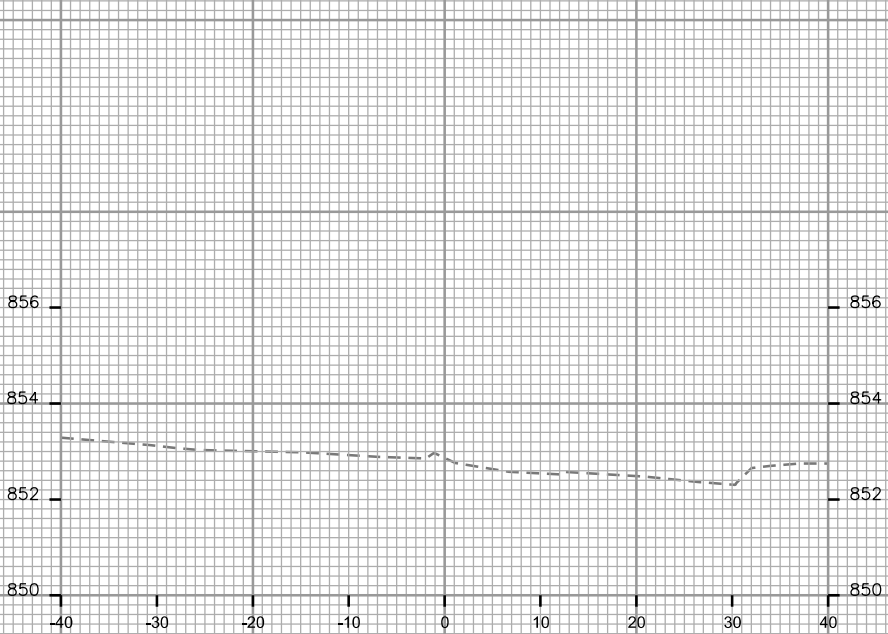


PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

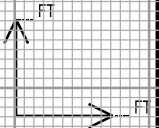
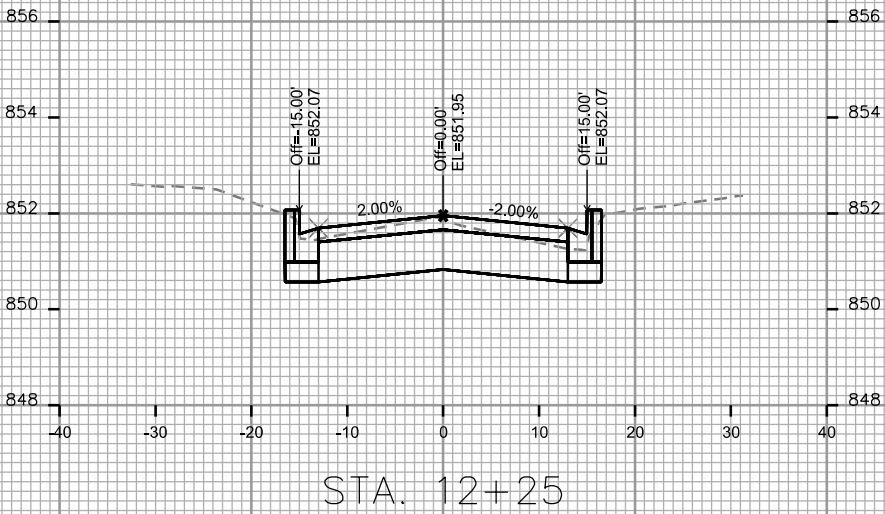
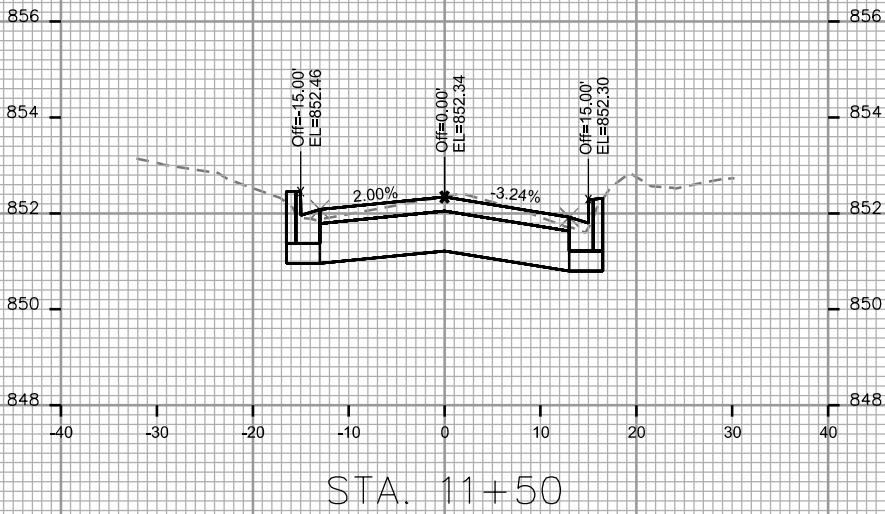
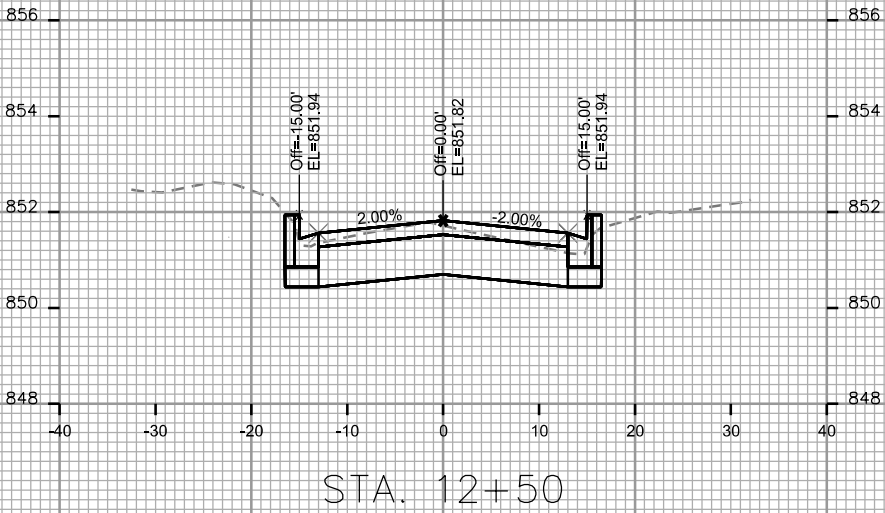
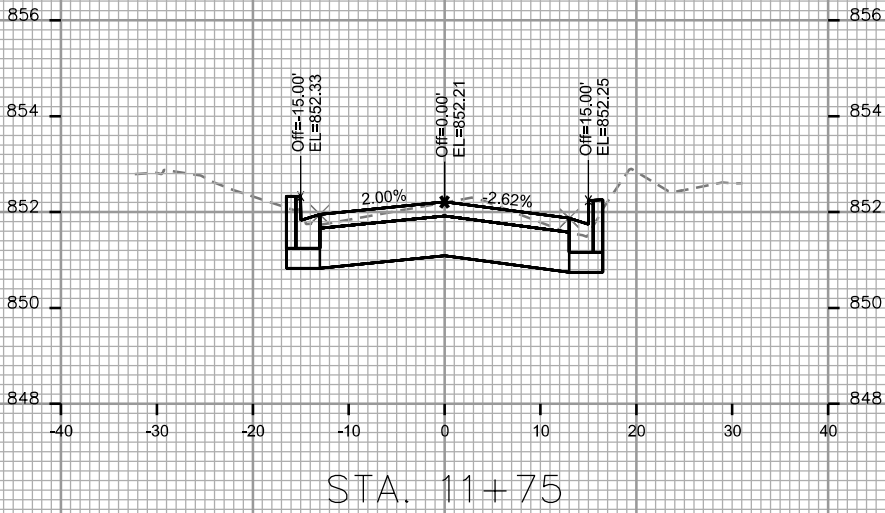
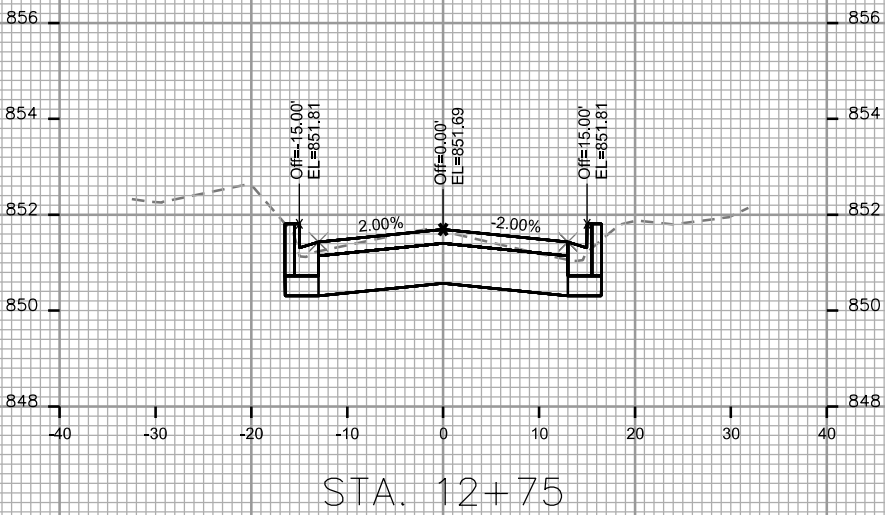
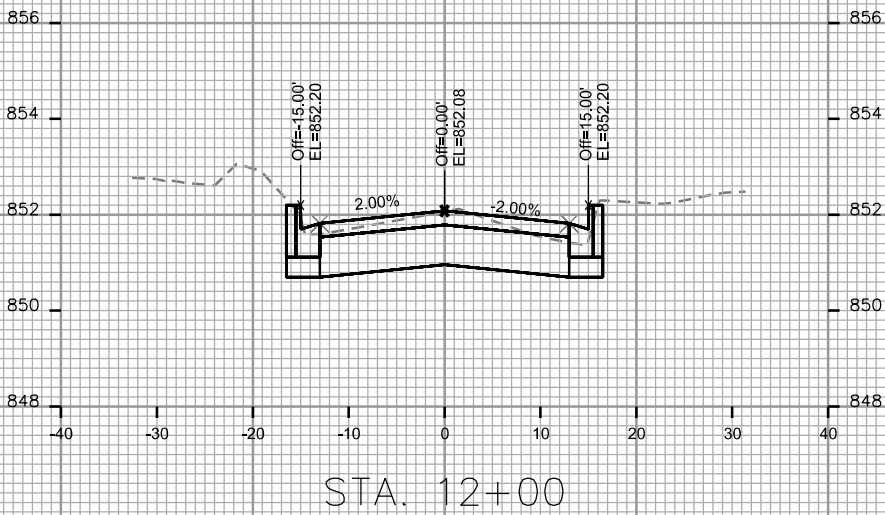


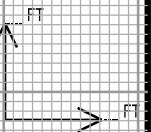
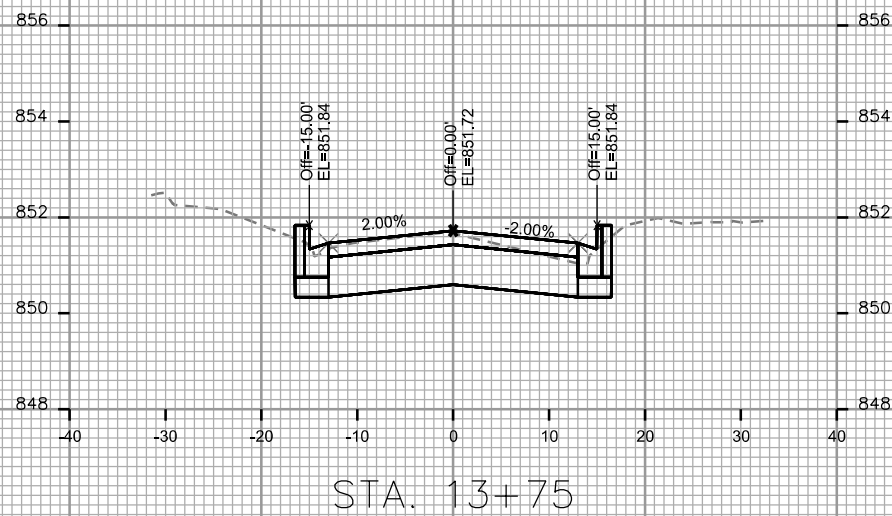
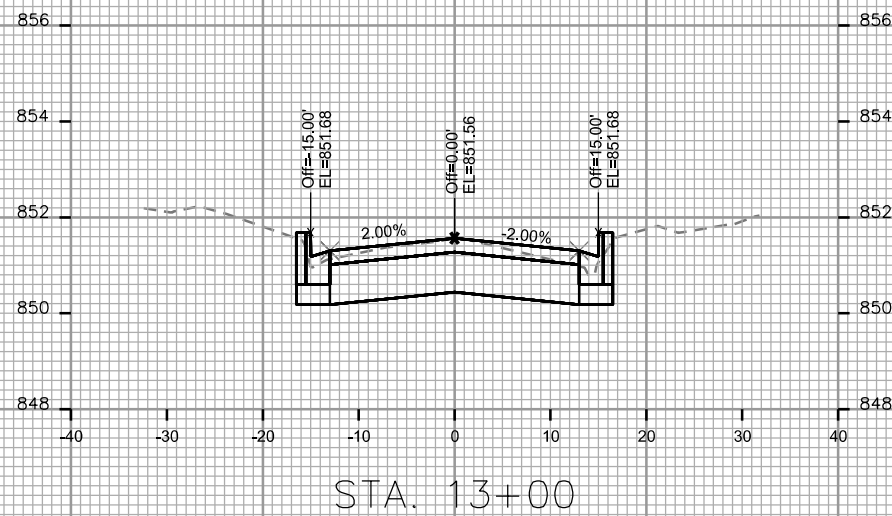
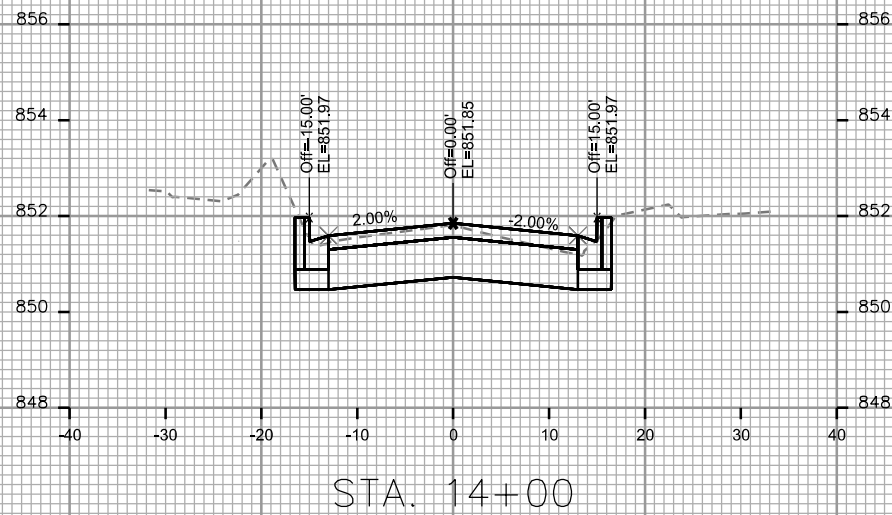
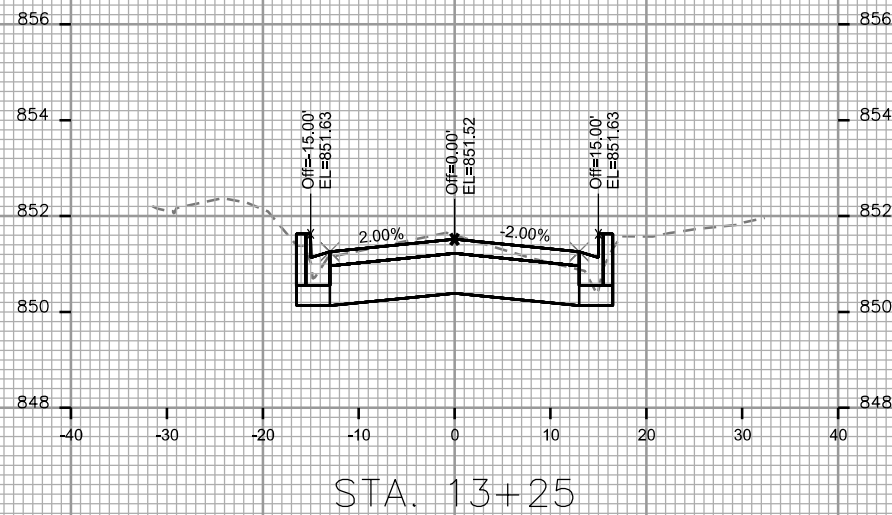
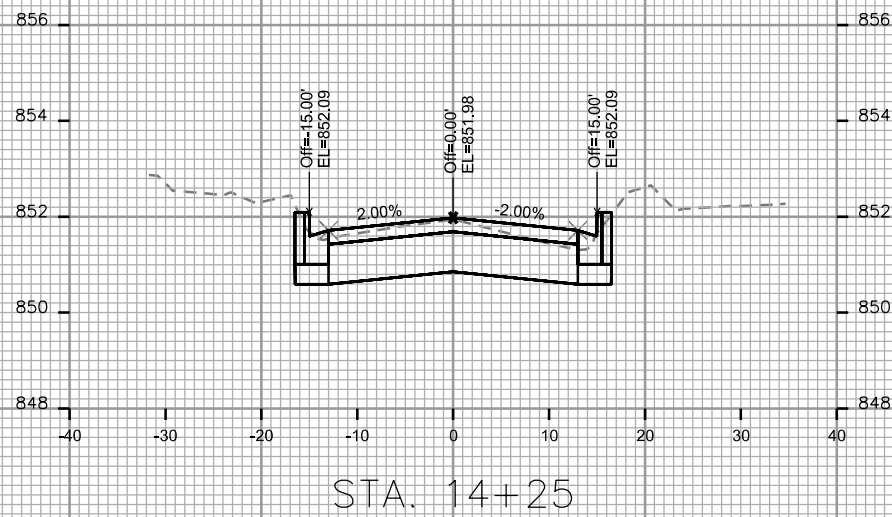
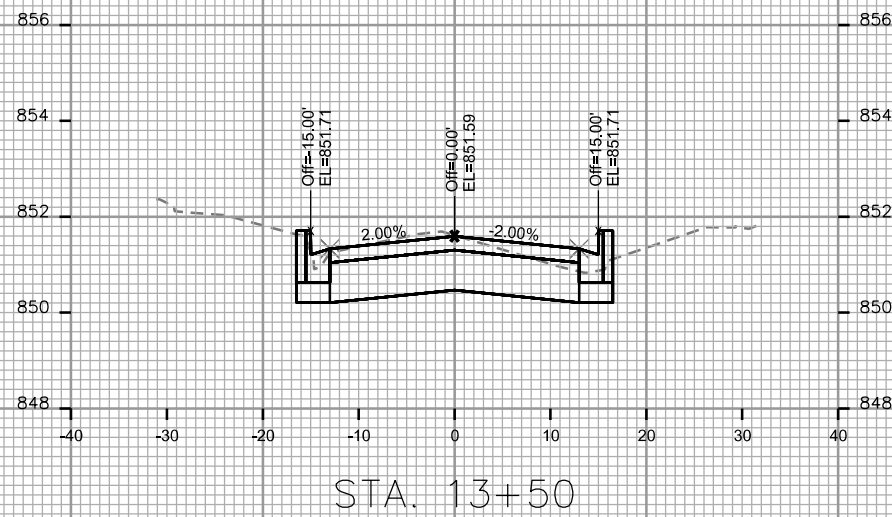
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





PLOT SCALE: _____

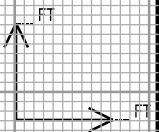
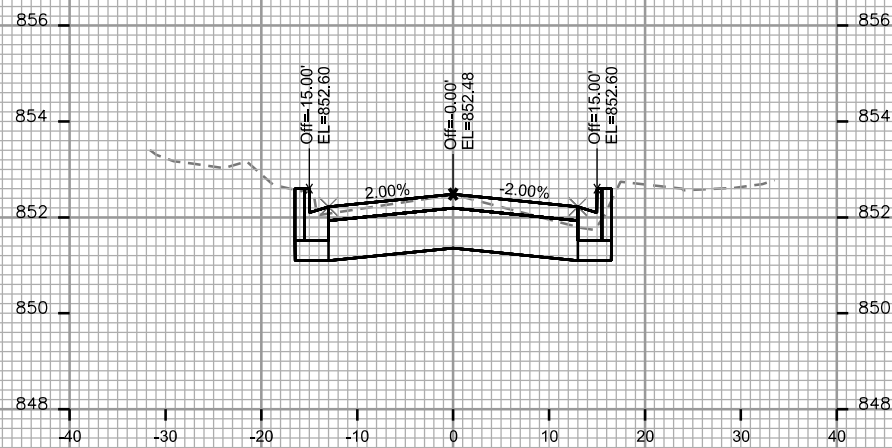
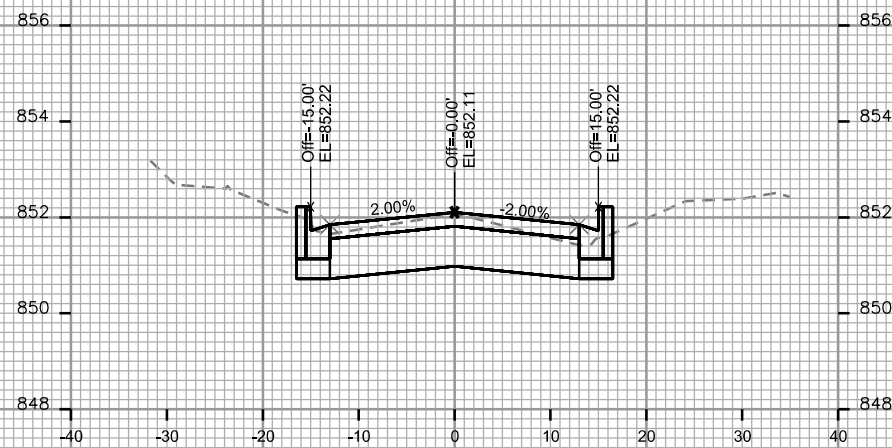
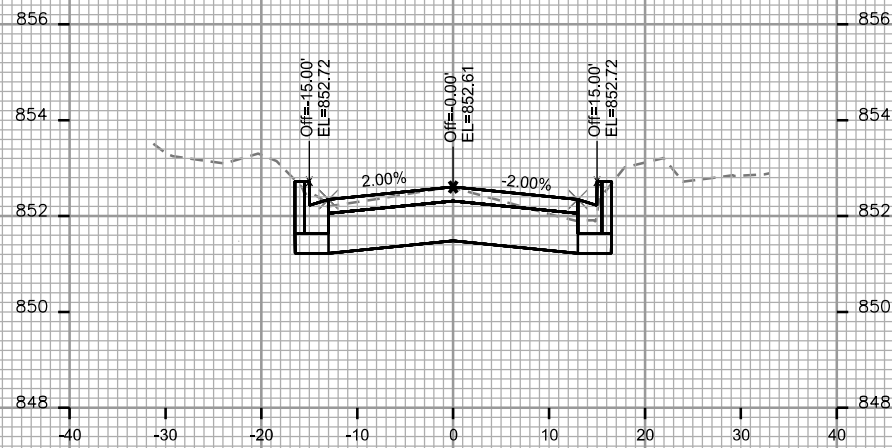
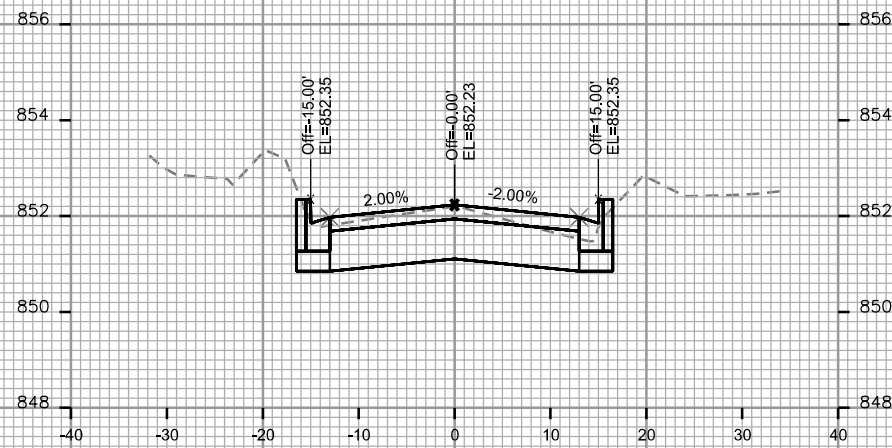
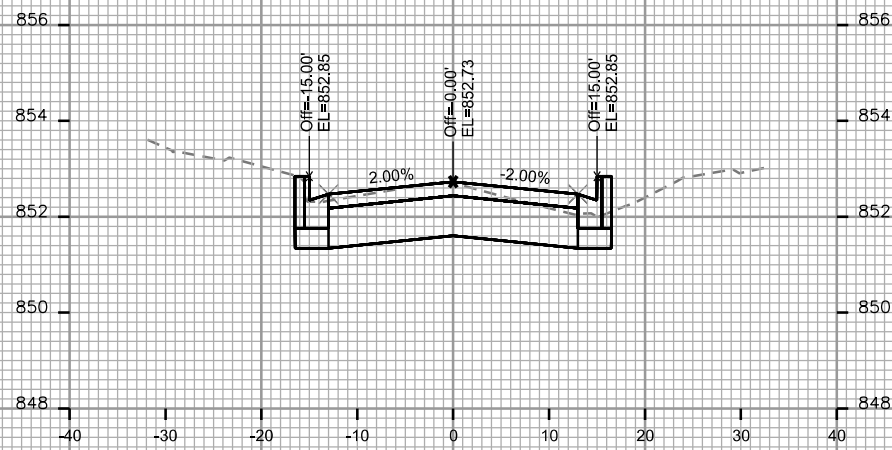
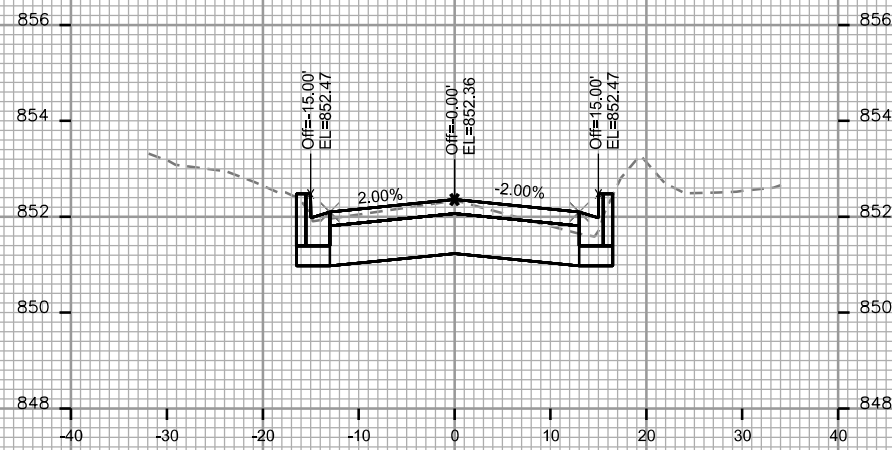
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

SARGENT STREETCITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

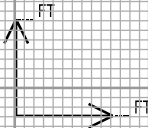
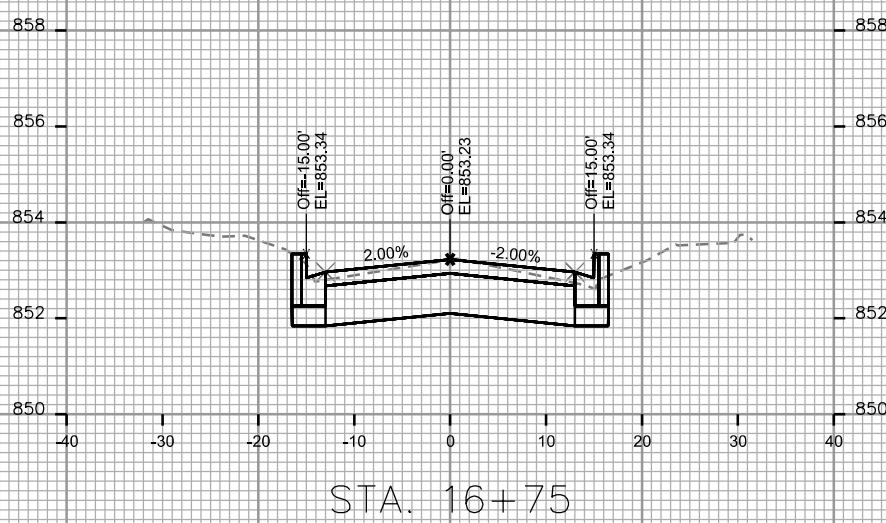
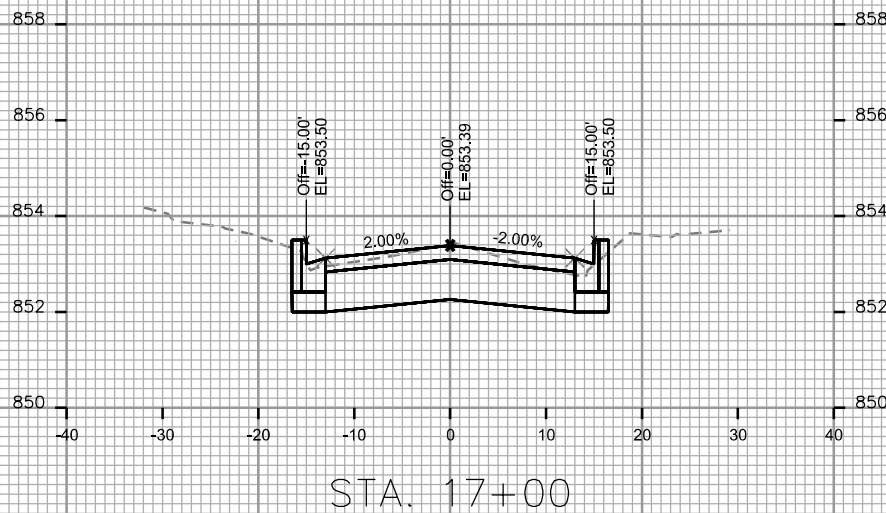
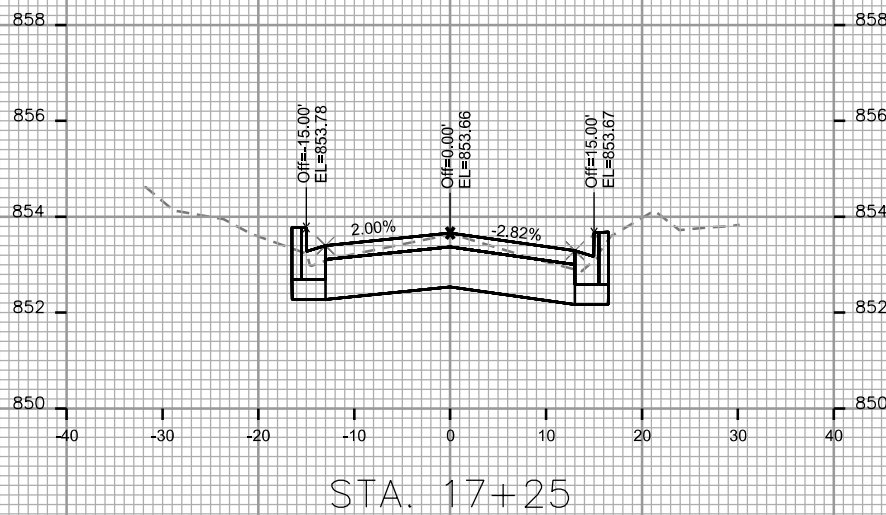
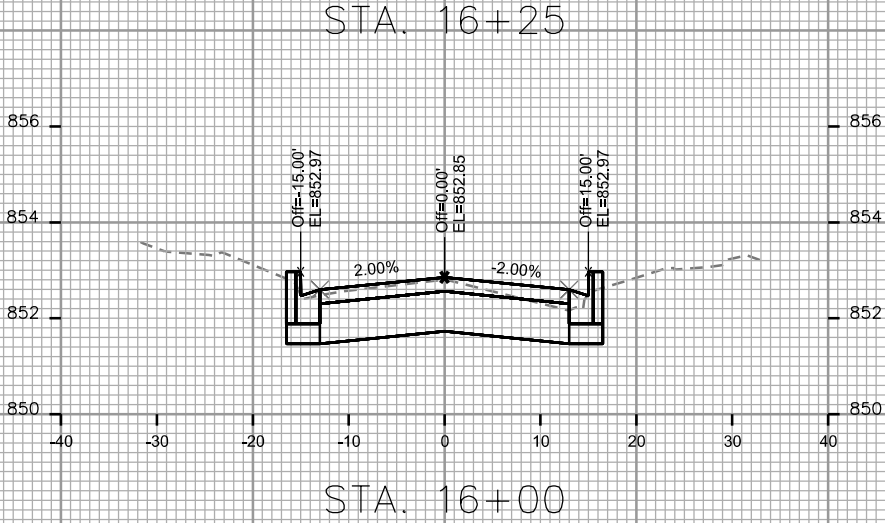
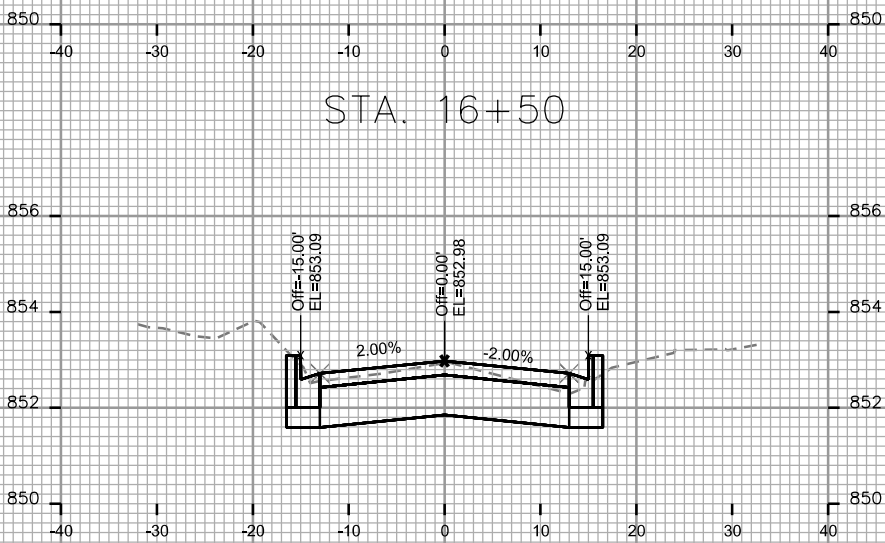
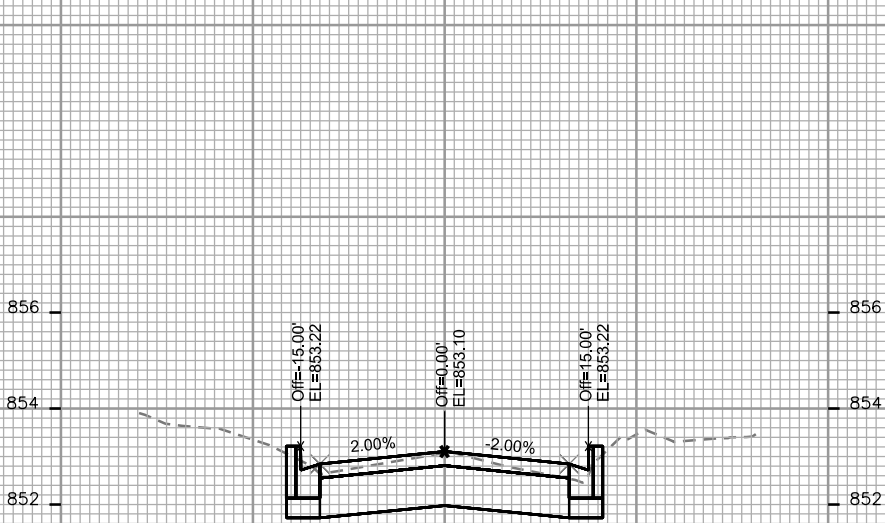
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

SARGENT STREET

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

