

Madison, Wisconsin


CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED
 FEBRUARY 27, 2018
 BY THE COMMON COUNCIL OF MADISON, WISCONSIN

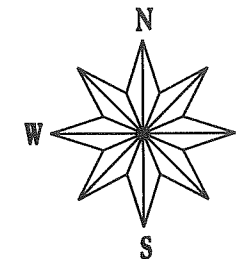
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

 City Engineer Date 3/9/18

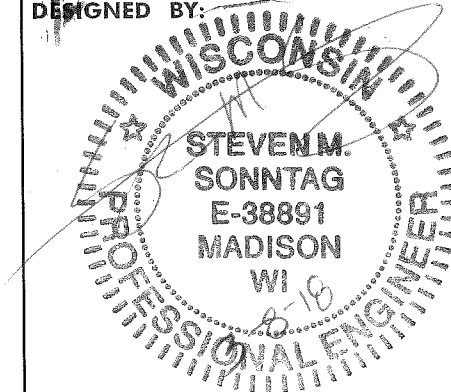
INDEX OF SHEETS

SHEET NO.	TITLE
1	1
D-1	DETAIL
EC1-EC8	EROSION CONTROL
P1-P8	PLAN & PROFILE
U1-U8	SEWER PLAN & PROFILE
U9-U11	SEWER SCHEDULES
W1-W9	WATER PLAN & PROFILE
W10-W13	WATER SYSTEMS IMPACT PLAN
W14	WATER ESTIMATE OF MATERIALS
X1-X25	CROSS SECTIONS

SCHENK STREET AND RICHARD STREET RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018

CITY PROJECT NO. 11745
 8108



STREET DESIGNED BY:

 STEVEN M. SONNTAG
 E-38891
 MADISON WI
 3-8-18

CONSTRUCTION PROJECT LOCATION

CONVENTIONAL SIGNS

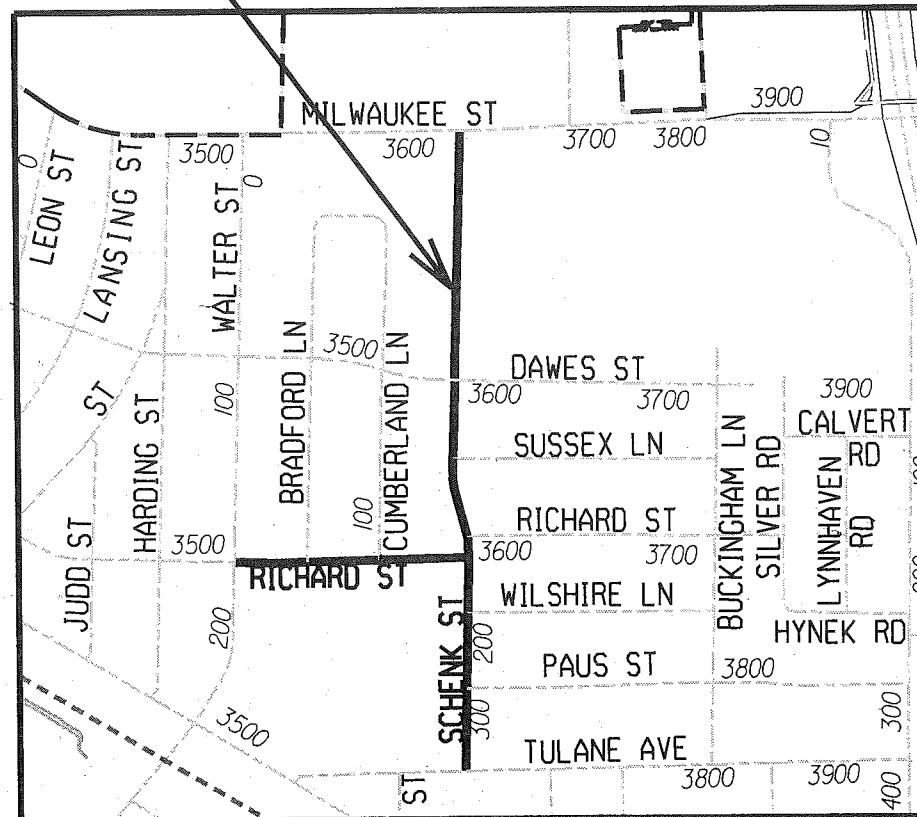
FIELD VERIFY ALL UTILITY LOCATIONS

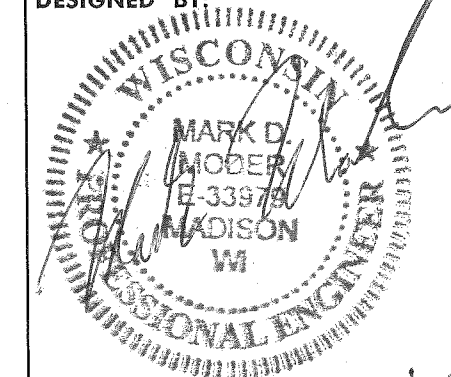
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	▣

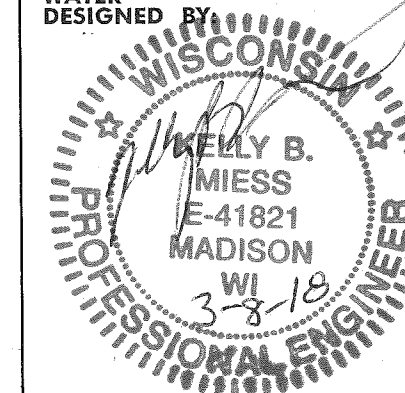
NOTES:
 ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.
 SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%.
 SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF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

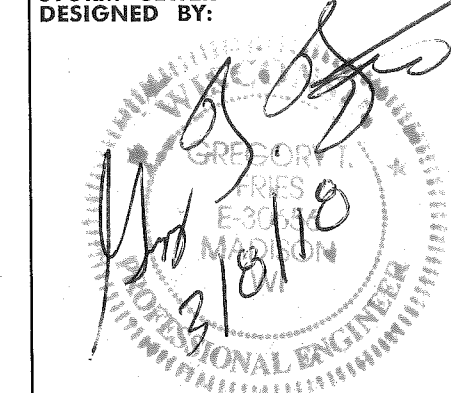
EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY)...	6430.00 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....	845.00 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	7275.00 C.Y.

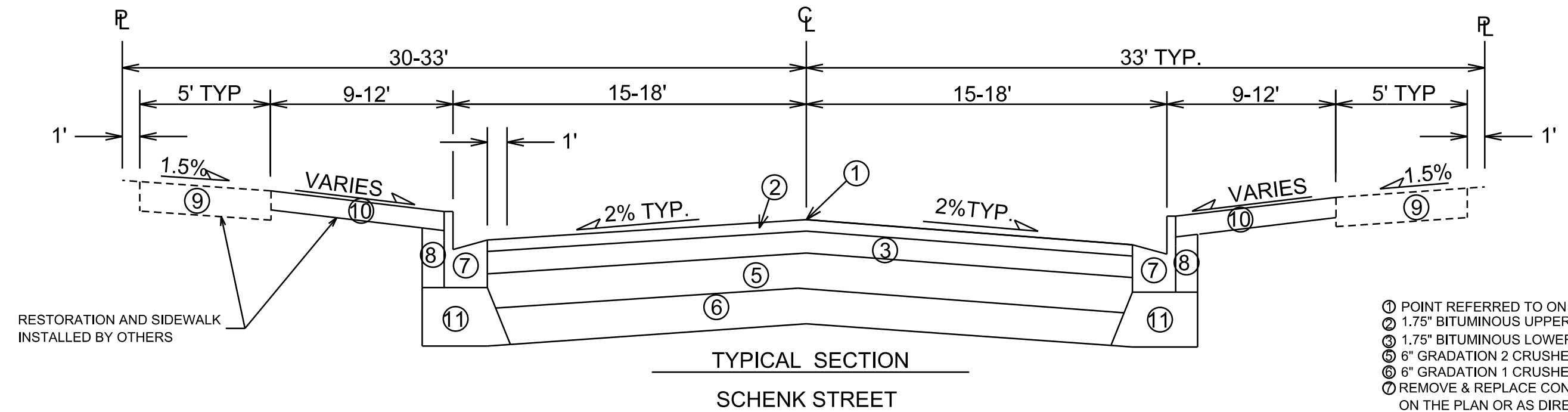
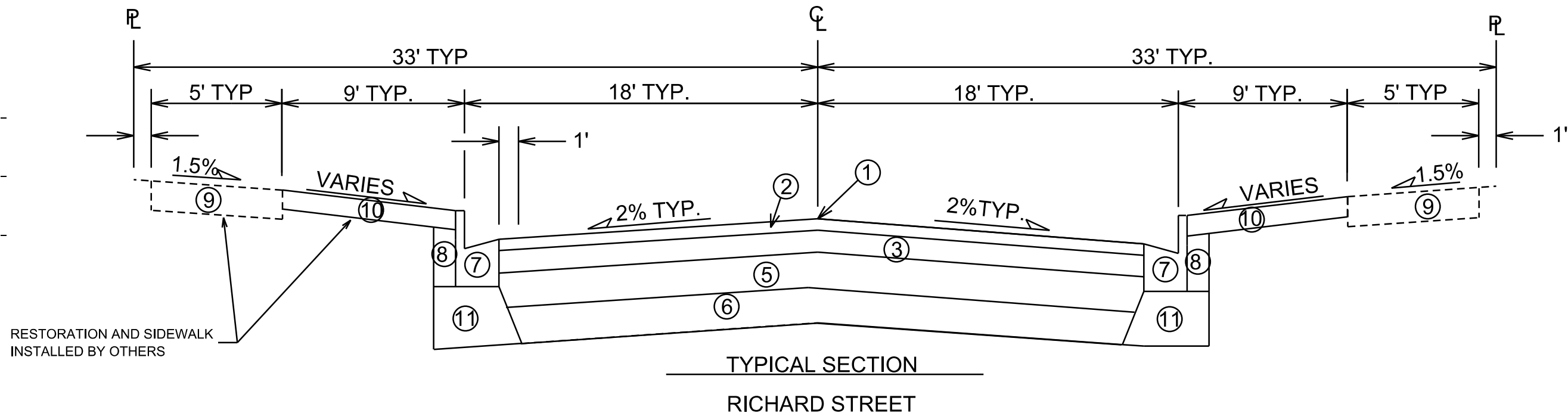


SANITARY SEWER DESIGNED BY:

 MARK D. MODER
 E-33979
 MADISON WI

WATER DESIGNED BY:

 KELLY B. MIESS
 E-41821
 MADISON WI
 3-8-18

STORM SEWER DESIGNED BY:

 GREGORY T. ...
 E-30633
 MADISON WI
 3/9/18

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

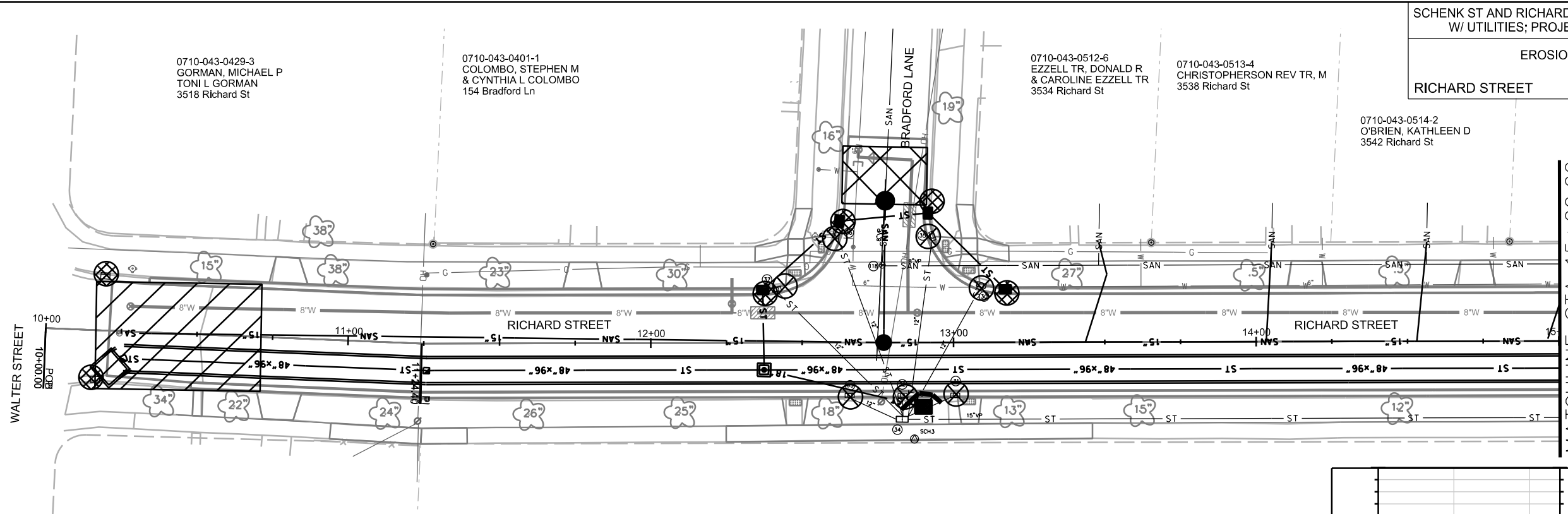








- ① POINT REFERRED TO ON PROFILE
- ② 1.75" BITUMINOUS UPPER LAYER, 4 LT 58-28 S
- ③ 1.75" BITUMINOUS LOWER LAYER, 4 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑦ REMOVE & REPLACE CONCRETE CURB & GUTTER AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑧ FILL, INCIDENTAL WHERE CURB IS REPLACED
- ⑨ 5" CONCRETE SIDEWALK, REMOVE & REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑩ RESTORE DISTURBED AREAS W/ 4" TOPSOIL, SEED & MAT
- ⑪ 4" MIN GRADATION 2 CRUSHED AGGREGATE AS NECESSARY FOR CURB REPLACEMENT

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

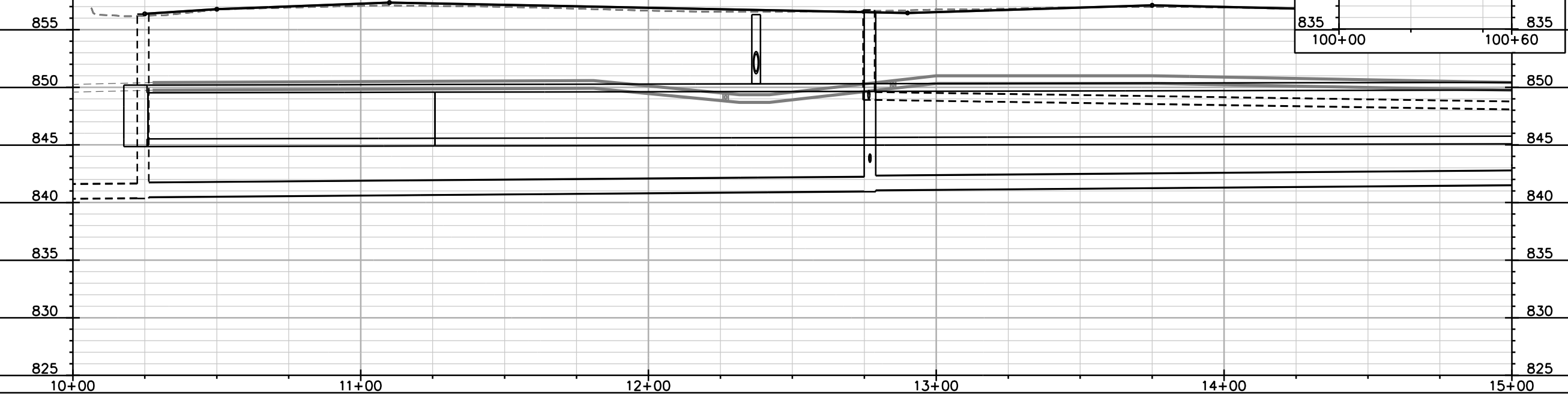
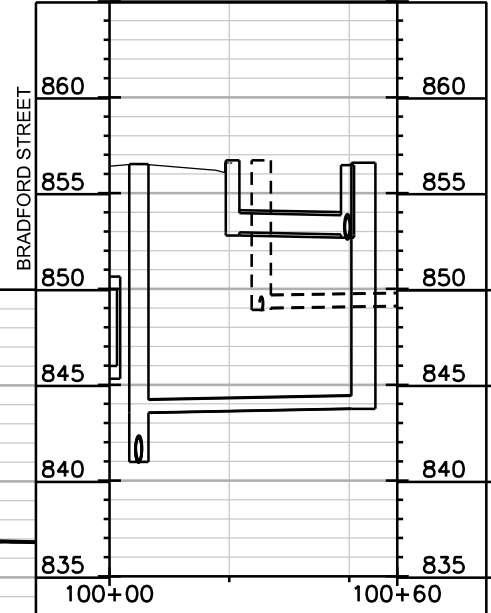
TYPICAL SECTION NOT TO SCALE

EROSION CONTROL
RICHARD STREET CITY OF MADISON



-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  SILT SOCK
-  STREET CONSTRUCTION STONE BERM

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



0710-043-0429-3
GORMAN, MICHAEL P
TONI L GORMAN
3518 Richard St

0710-043-0401-1
COLOMBO, STEPHEN M
& CYNTHIA L COLOMBO
154 Bradford Ln

0710-043-0512-6
EZZELL TR, DONALD R
& CAROLINE EZZELL TR
3534 Richard St

0710-043-0513-4
CHRISTOPHERSON REV TR, M
3538 Richard St

0710-043-0514-2
O'BRIEN, KATHLEEN D
3542 Richard St

0710-043-1602-4
DUERST, SHARON K
LAVERNE F DUERST
3517 Richard St

0710-043-1601-6
MADISON METRO SCHOOL DIST
WHITEHORSE/SCHENK
230 Schenk St

PLOT SCALE: _____

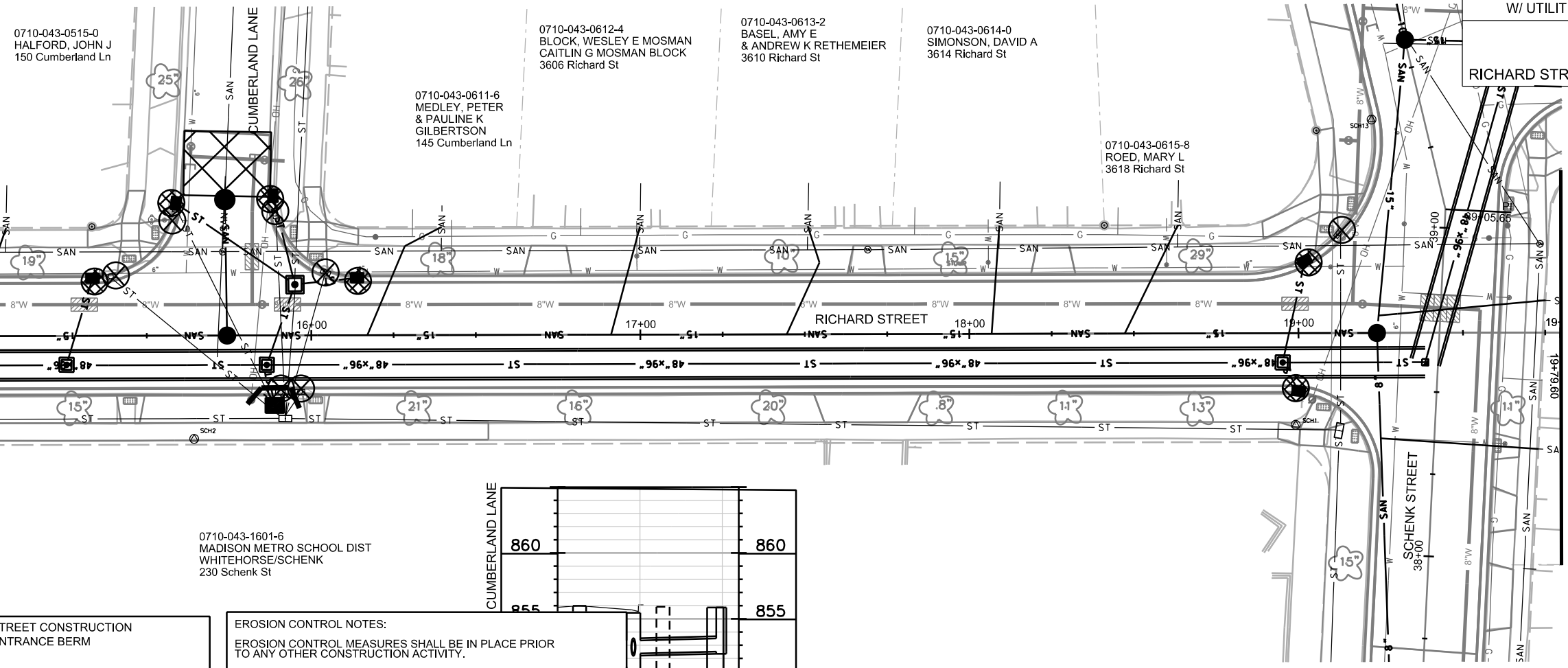
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

MATCHLINE STA 15+00.00

MATCHLINE STA 19+80.00



- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT SOCK
- STREET CONSTRUCTION STONE BERM

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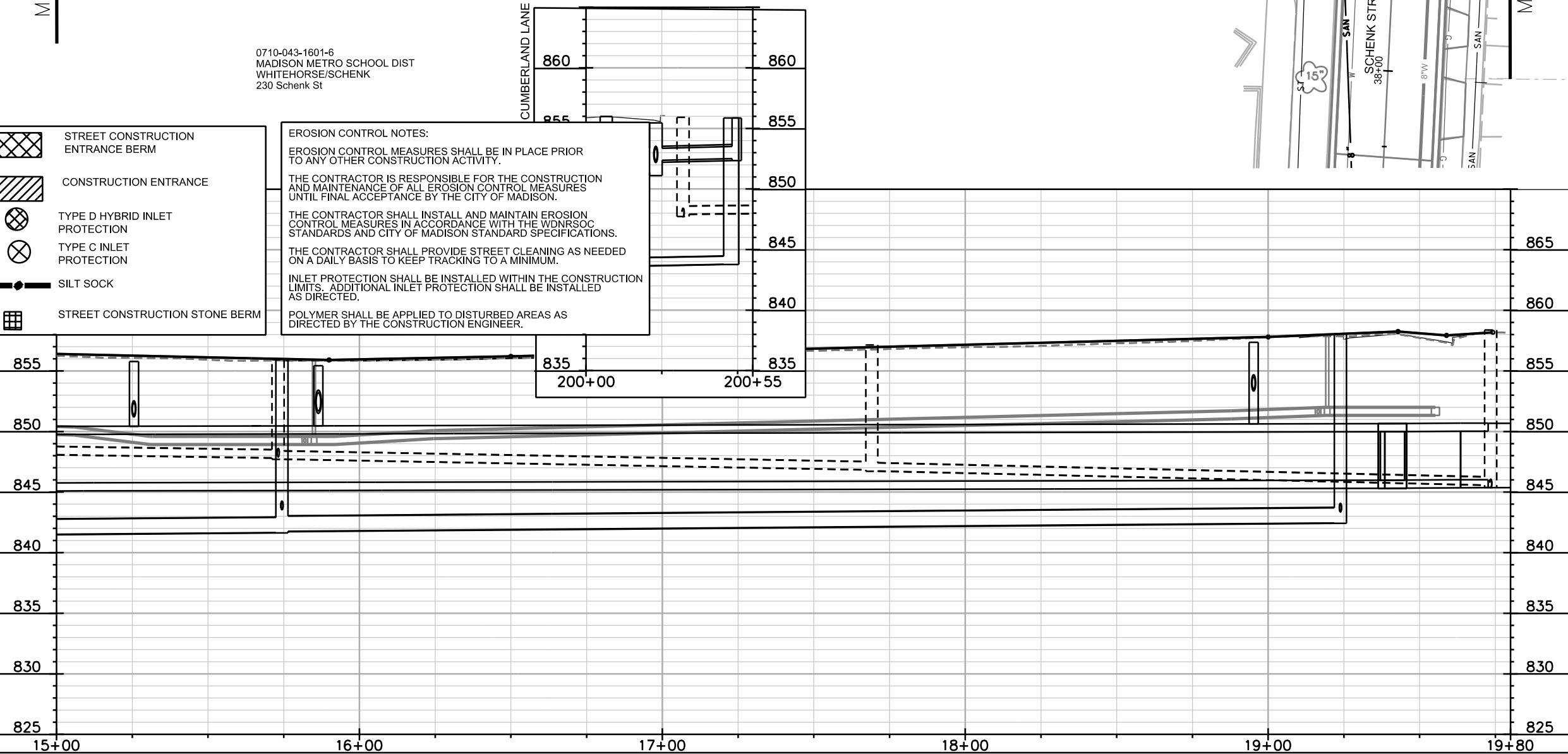
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0710-043-0515-0
HALFORD, JOHN J
150 Cumberland Ln

0710-043-0612-4
BLOCK, WESLEY E MOSMAN
CAITLIN G MOSMAN BLOCK
3606 Richard St

0710-043-0613-2
BASEL, AMY E
& ANDREW K RETHEMEIER
3610 Richard St

0710-043-0614-0
SIMONSON, DAVID A
3614 Richard St

0710-043-0611-6
MEDLEY, PETER
& PAULINE K
GILBERTSON
145 Cumberland Ln

0710-043-0615-8
ROED, MARY L
3618 Richard St

0710-043-1601-6
MADISON METRO SCHOOL DIST
WHITEHORSE/SCHENK
230 Schenk St

0710-043-1416-9
BUTLER, RICHARD
3625 Richard St

0710-043-1418-5
SURRARRER, STEVEN M
& AMY L SURRARRER
209 Schenk St

PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL

SCHENK STREET CITY OF MADISON

0710-043-1601-6
MADISON METRO SCHOOL DIST
WHITEHORSE/SCHENK
230 Schenk St

0710-043-1718-9
BOWERS, KAREN L
3630 Tulane Ave

0710-043-1717-1
OOSTERWYK, ALYDA
& NATHANIEL SMITH
309 Schenk St







0710-043-1716-3
BLACKMER, KEVIN R
& MERRILEE BLACKMER
305 Schenk St

0710-043-1715-5
KOLAK, JANICE M
3629 Paus St

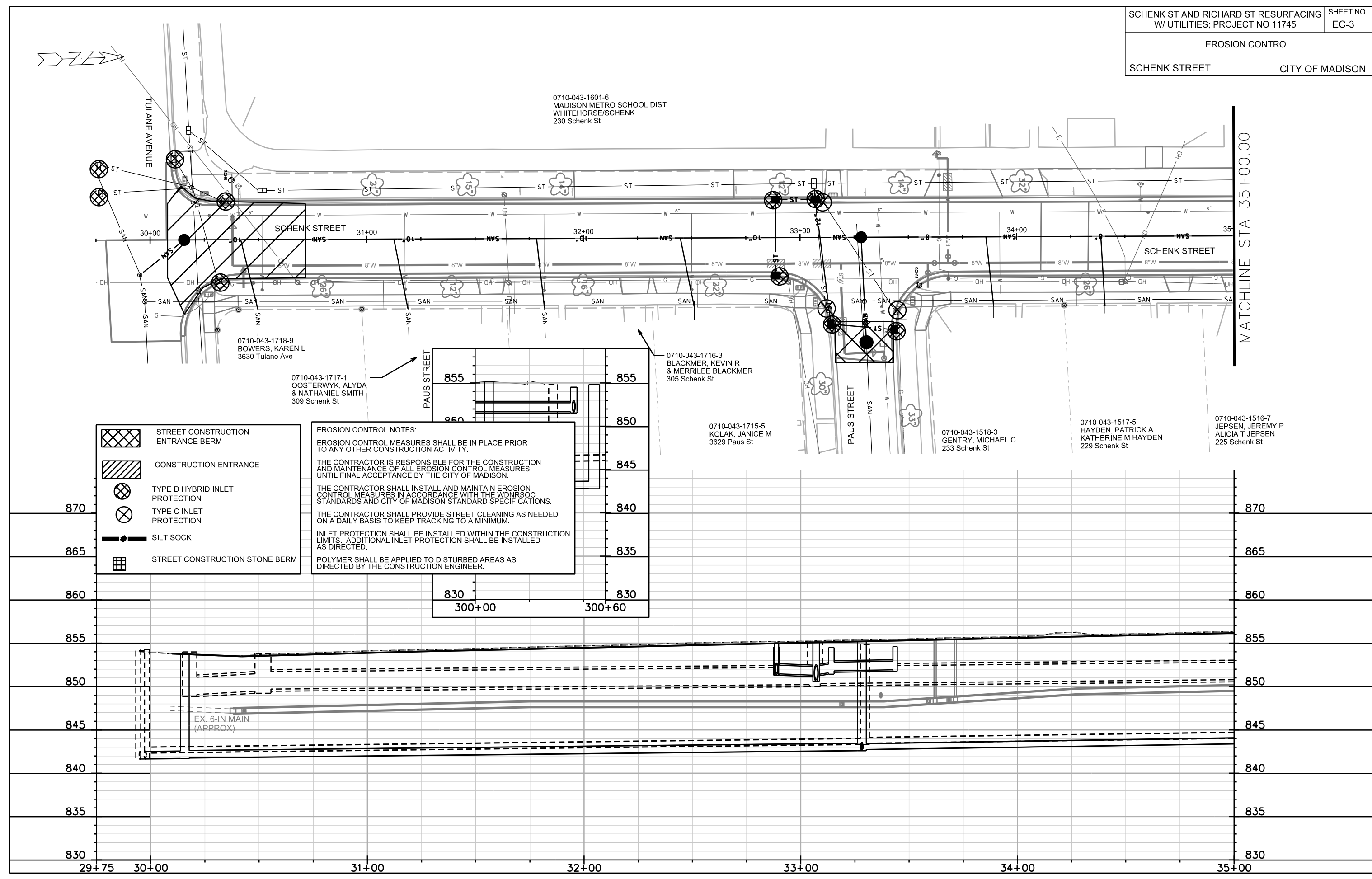
0710-043-1518-3
GENTRY, MICHAEL C
233 Schenk St

0710-043-1517-5
HAYDEN, PATRICK A
KATHERINE M HAYDEN
229 Schenk St

0710-043-1516-7
JEPSEN, JEREMY P
ALICIA T JEPSEN
225 Schenk St

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  SILT SOCK
-  STREET CONSTRUCTION STONE BERM

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MATCHLINE STA 35+00.00

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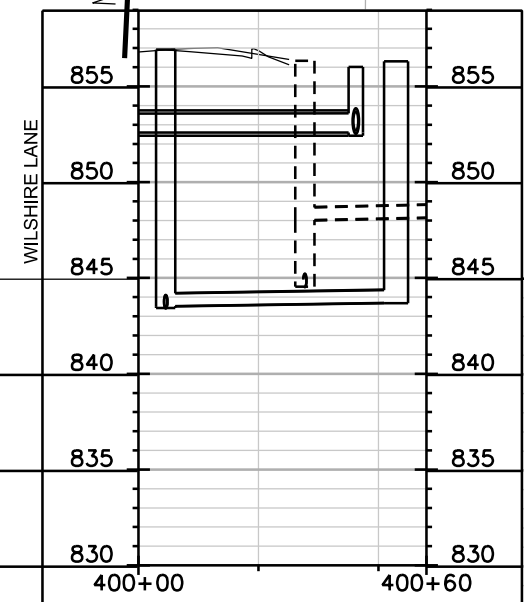


0710-043-1601-6
MADISON METRO SCHOOL DIST
WHITEHORSE/SCHENK
230 Schenk St

0710-043-0615-8
ROED, MARY L
3618 Richard St

MATCHLINE STA 35+00.00

MATCHLINE STA 40+00.00



0710-043-1515-9
PRUSYNSKI, KRISTIN L
221 Schenk St

WILSHIRE LANE

0710-043-1419-3
ROSSALL, JONATHAN S
SARAH R ROSSALL
213 Schenk St

0710-043-1418-5
SURREARER, STEVEN M
& AMY L SURREARER
209 Schenk St

0710-043-1417-7
SPRY, ALEXIS LEAH
EMIL AUGUST HOELTER
205 Schenk St

0710-043-1416-9
BUTLER, RICHARD
3625 Richard St

- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
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- STREET CONSTRUCTION STONE BERM

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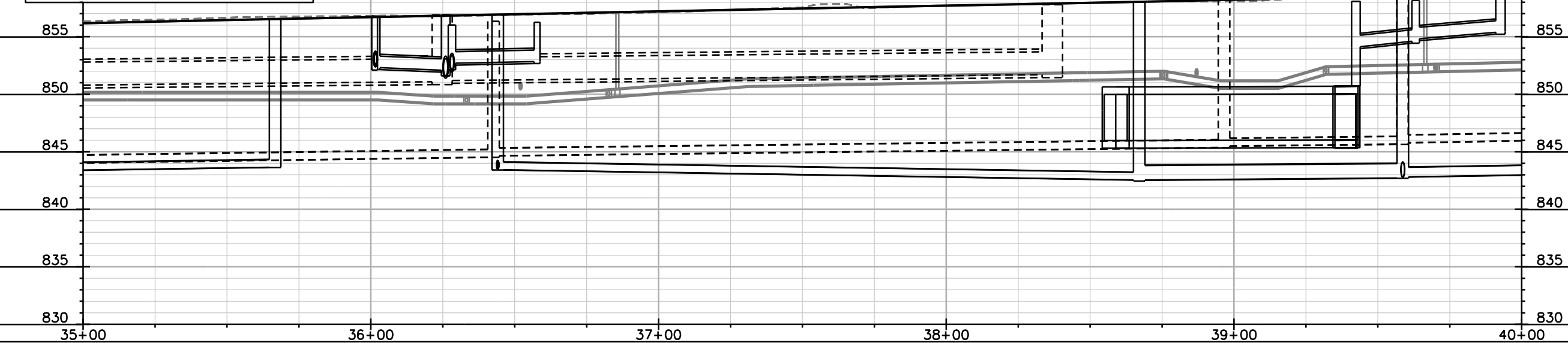
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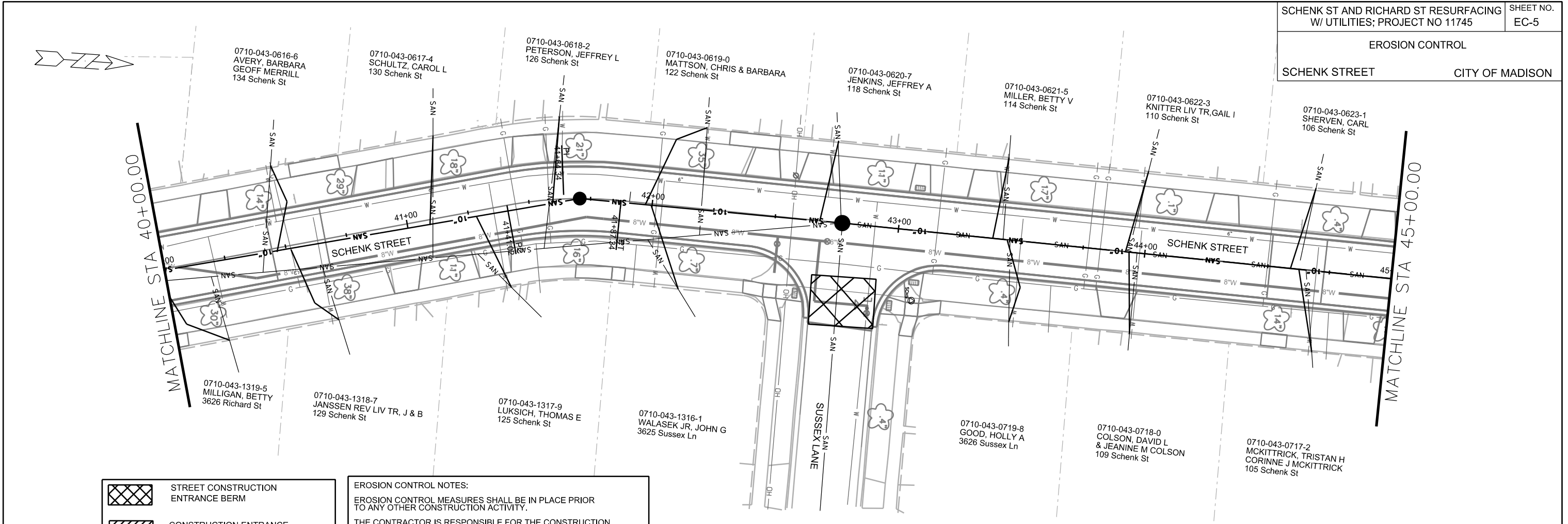
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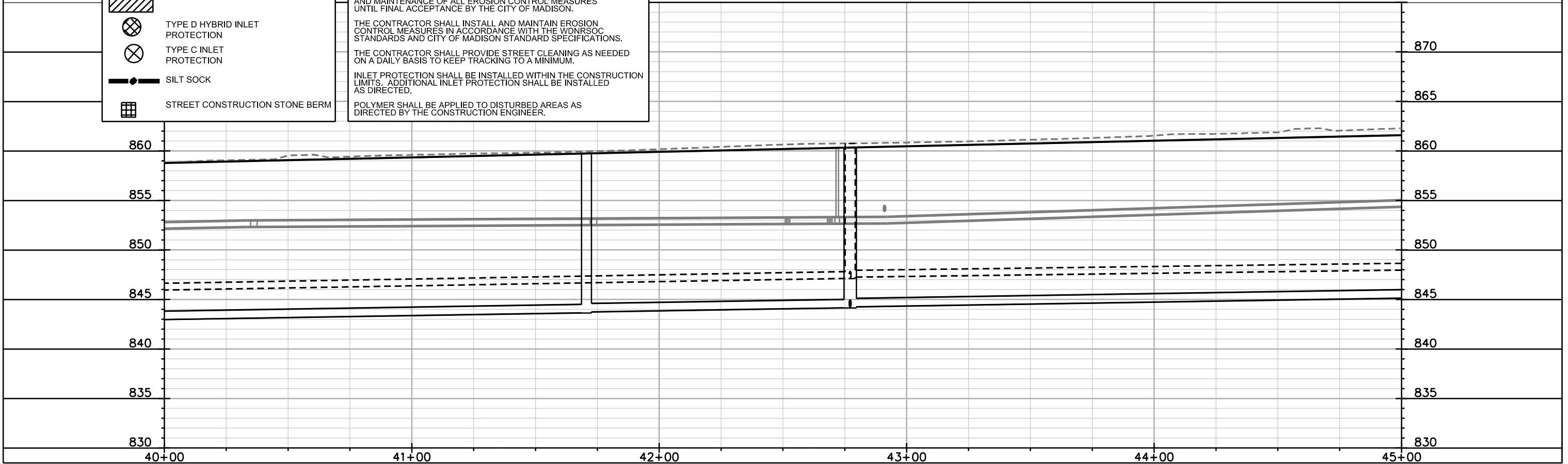


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION
	SILT SOCK
	STREET CONSTRUCTION STONE BERM

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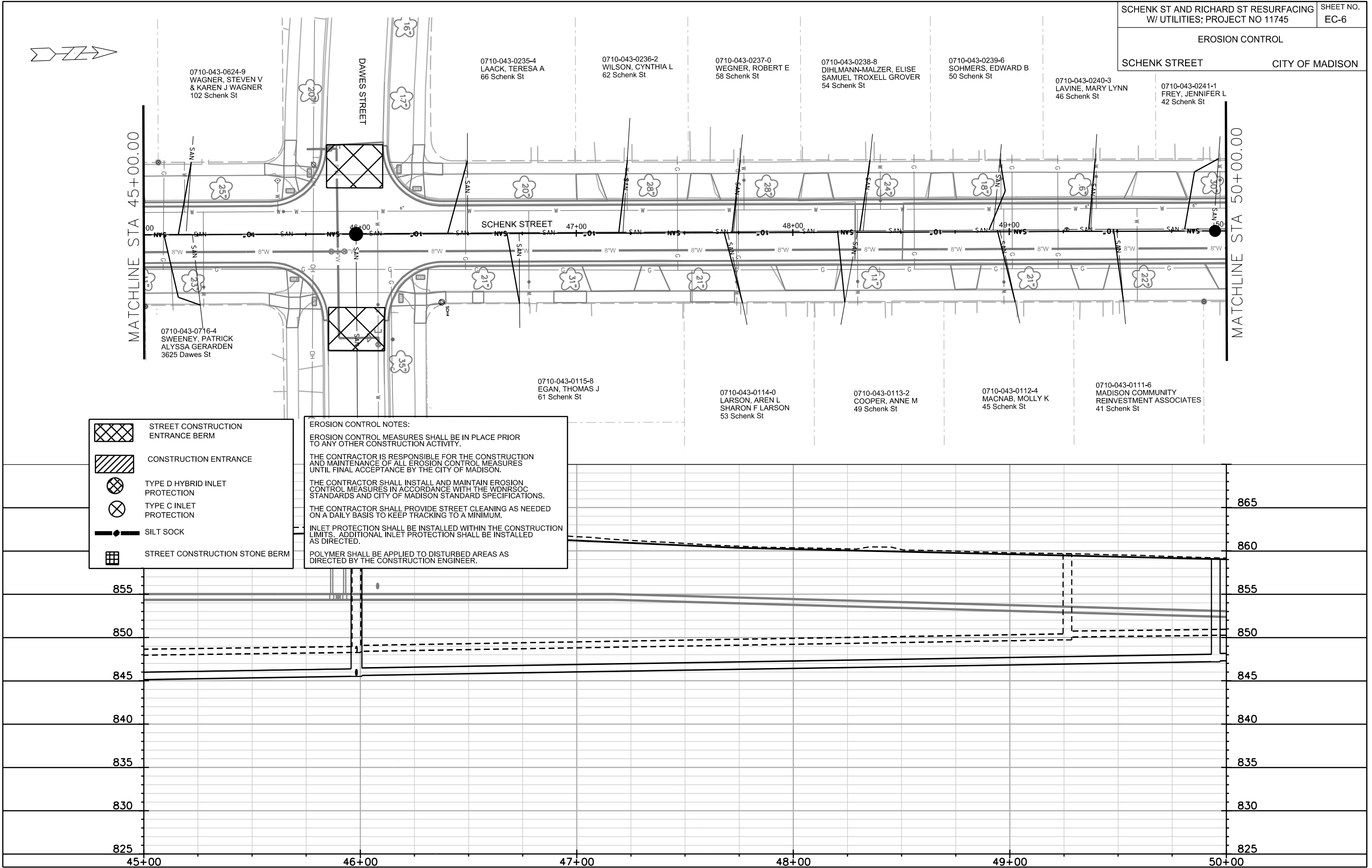
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL
SCHENK STREET CITY OF MADISON



-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  SILT SOCK
-  STREET CONSTRUCTION STONE BERM

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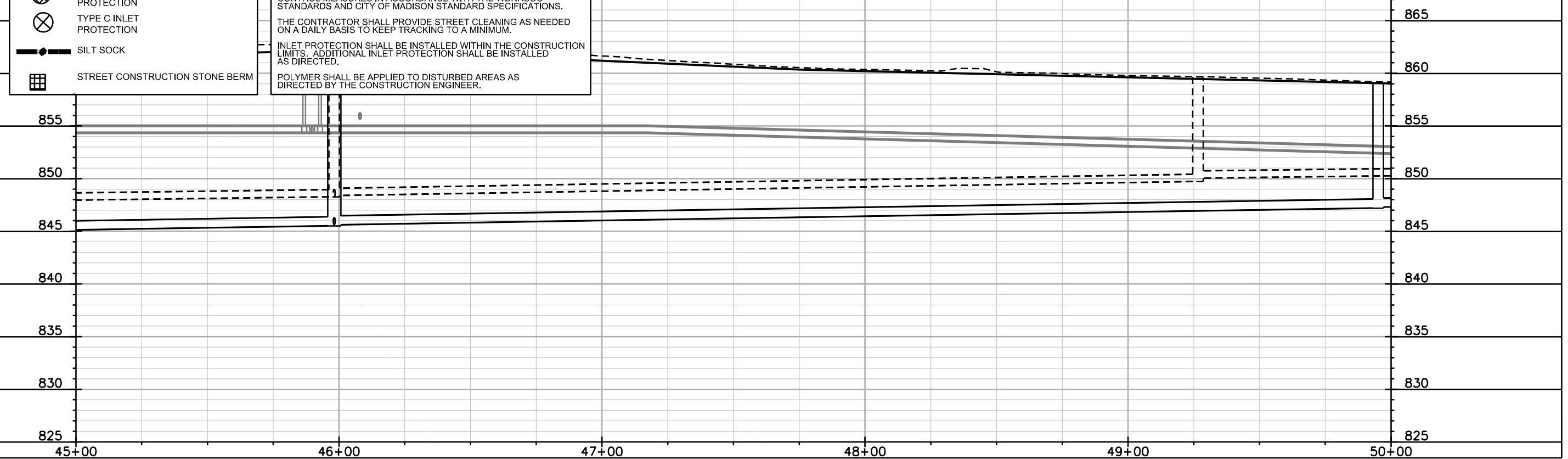
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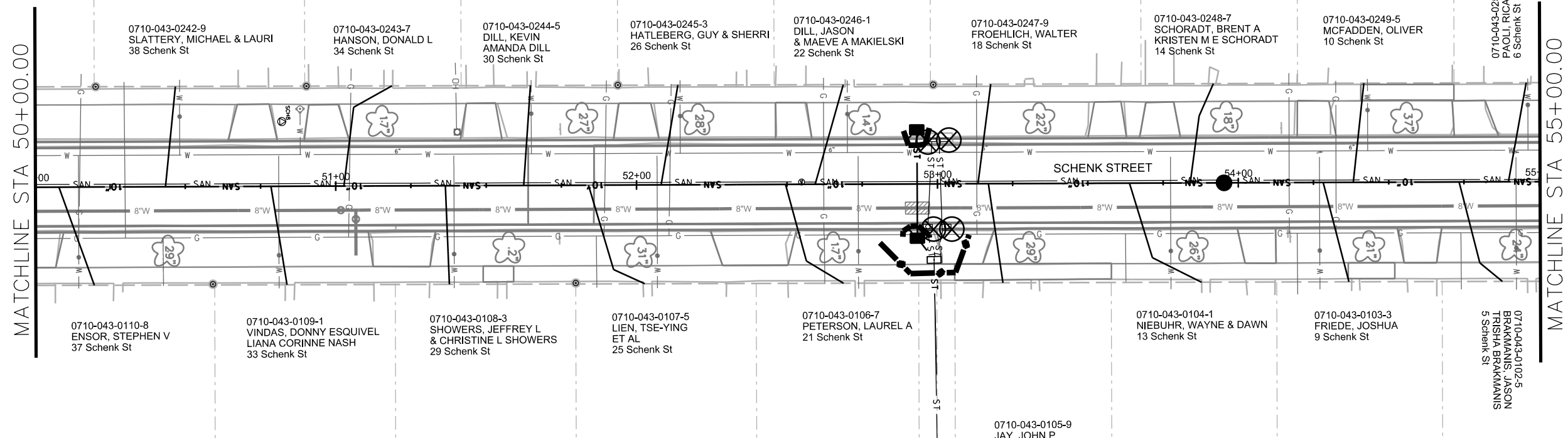


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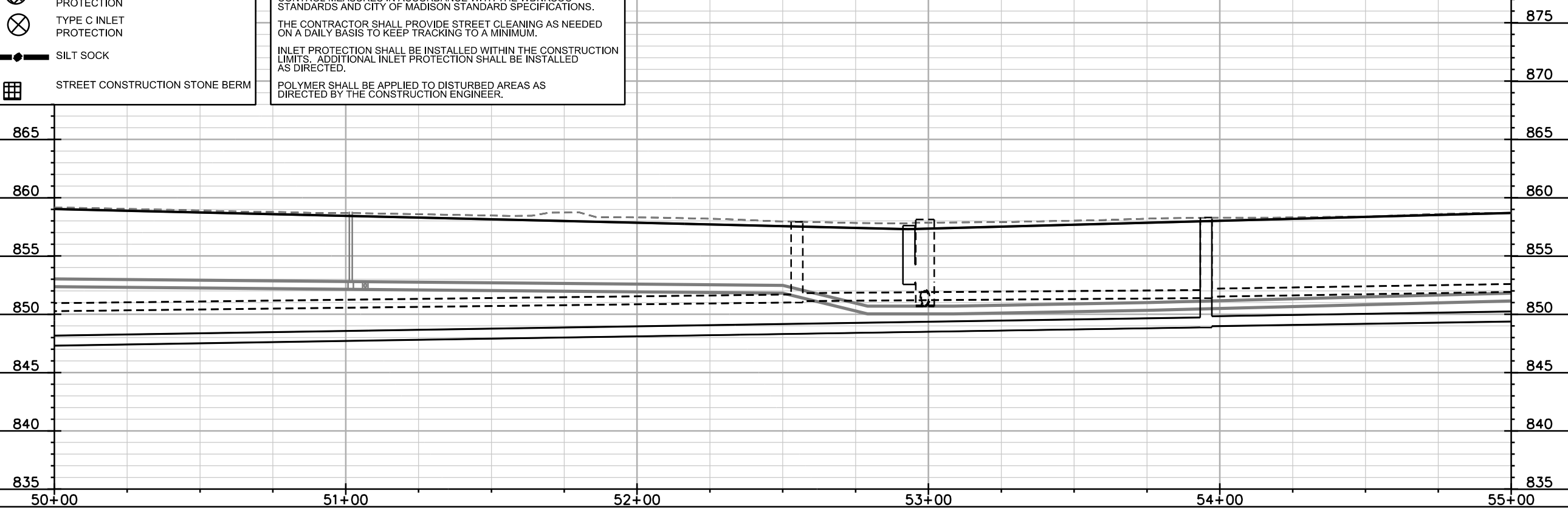
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



	STREET CONSTRUCTION ENTRANCE BERM
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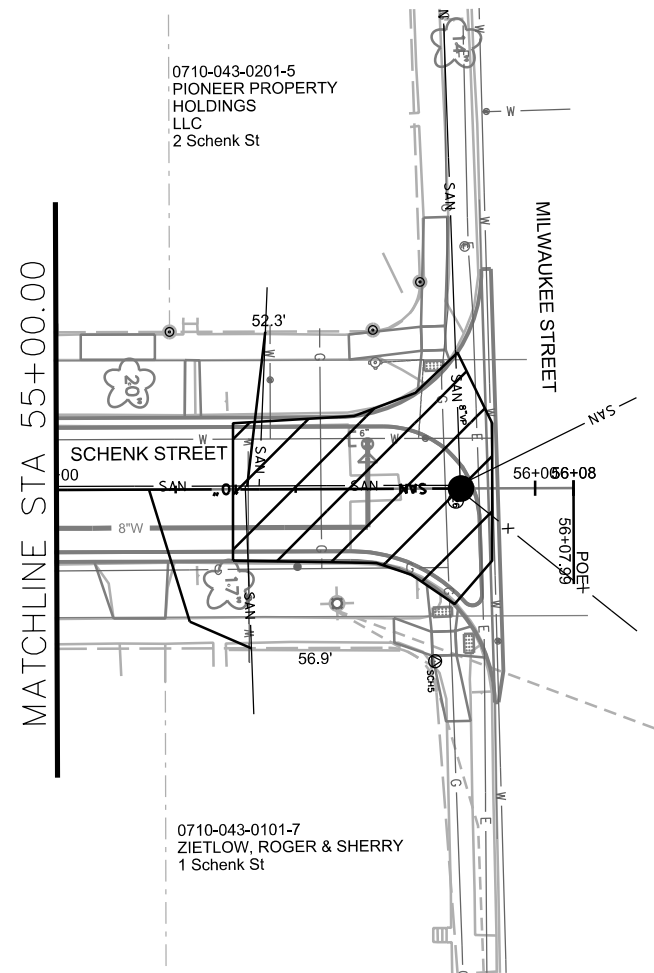
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL

SCHENK STREET

CITY OF MADISON



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

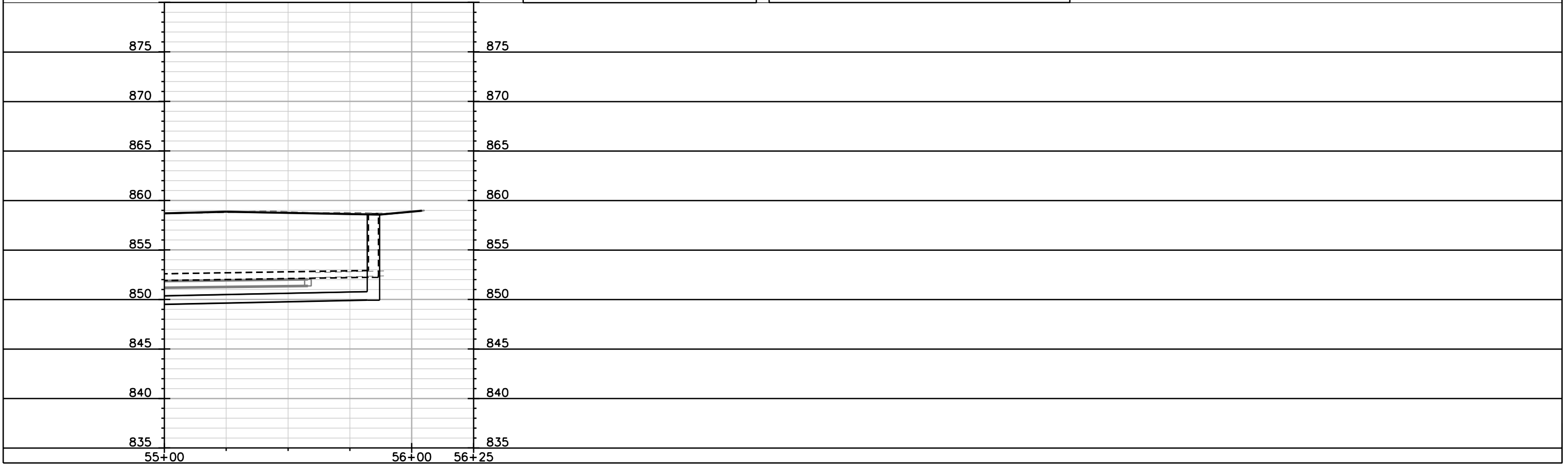
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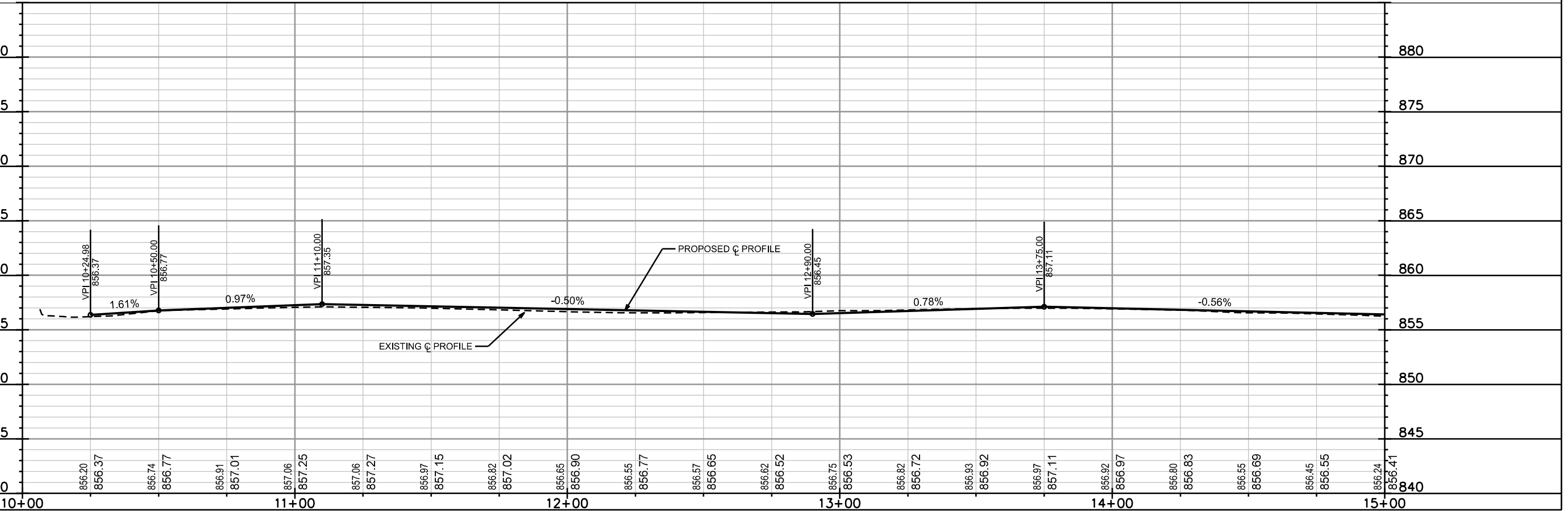
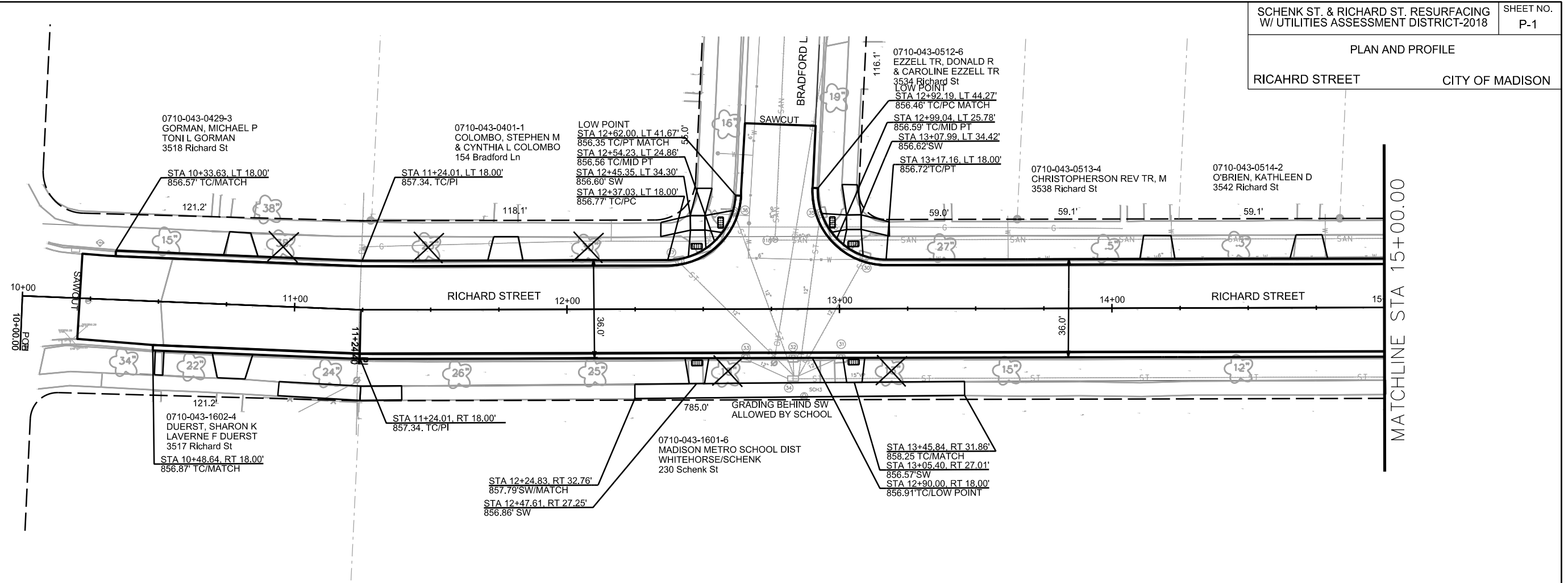
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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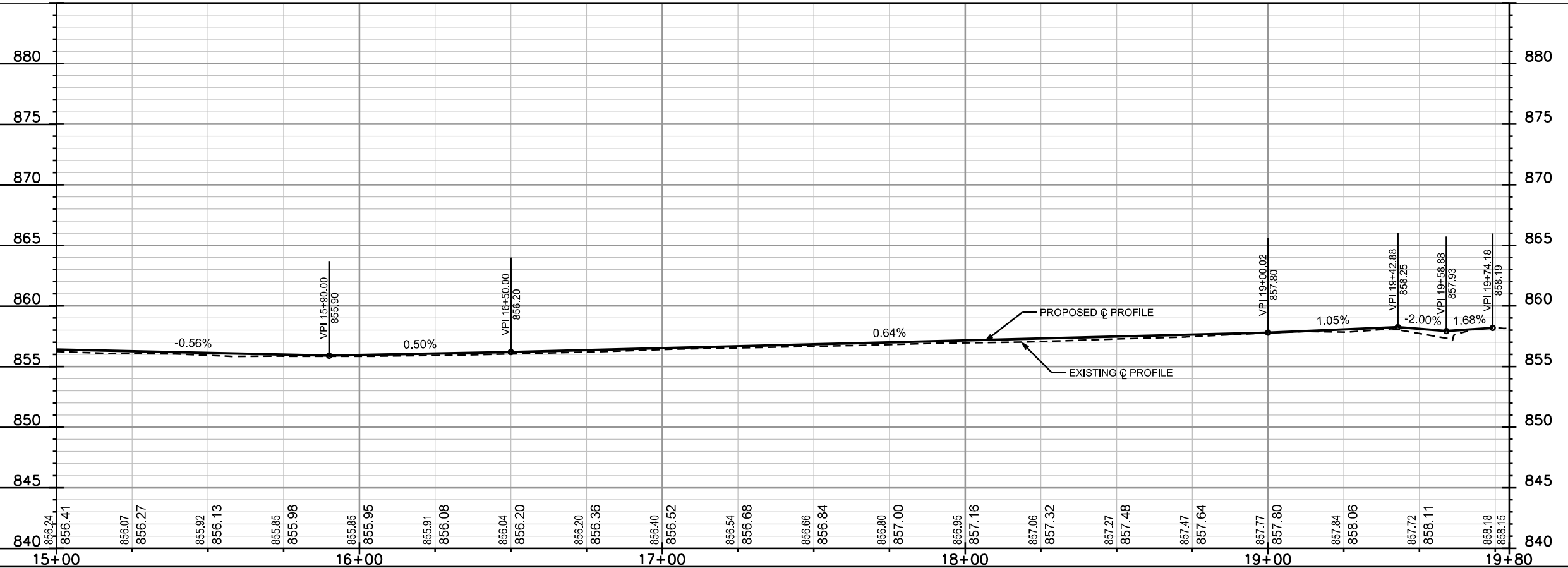
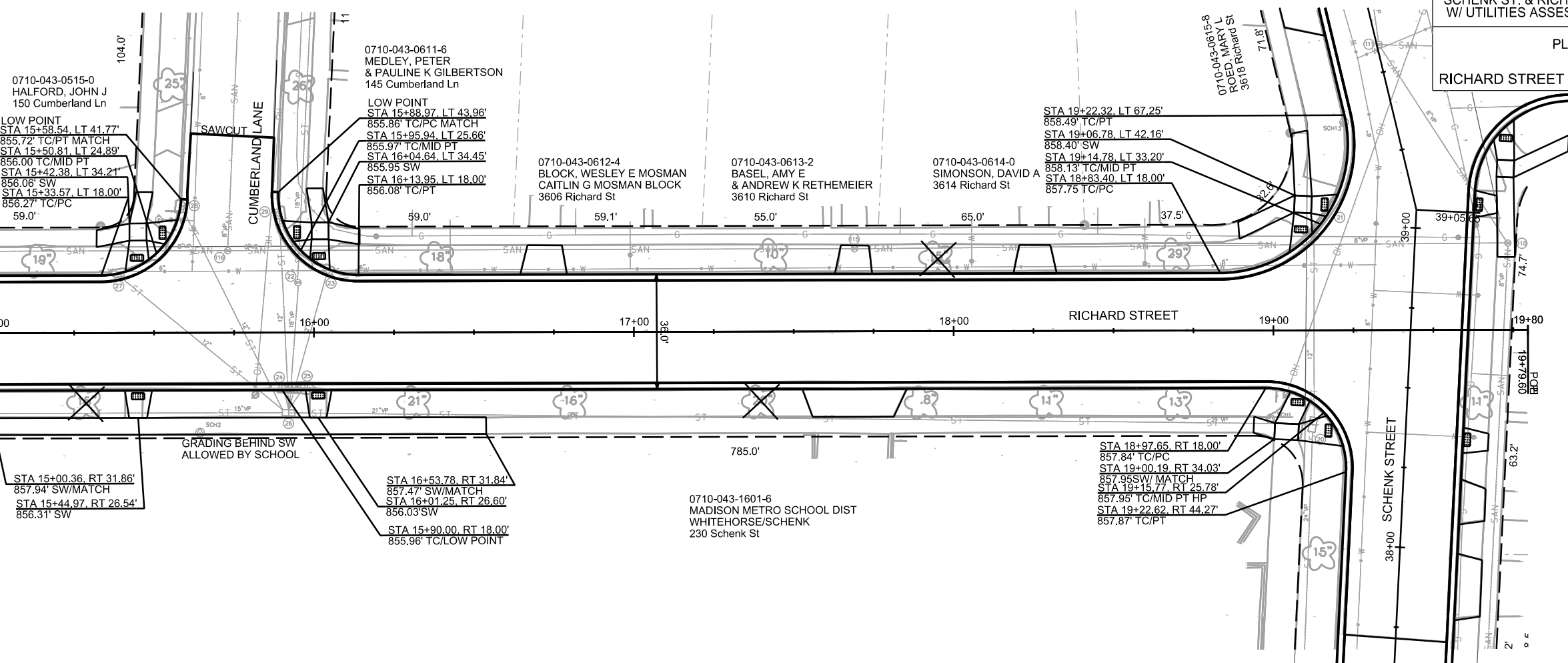
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

RICHARD STREET CITY OF MADISON

MATCHLINE STA 15+00.00



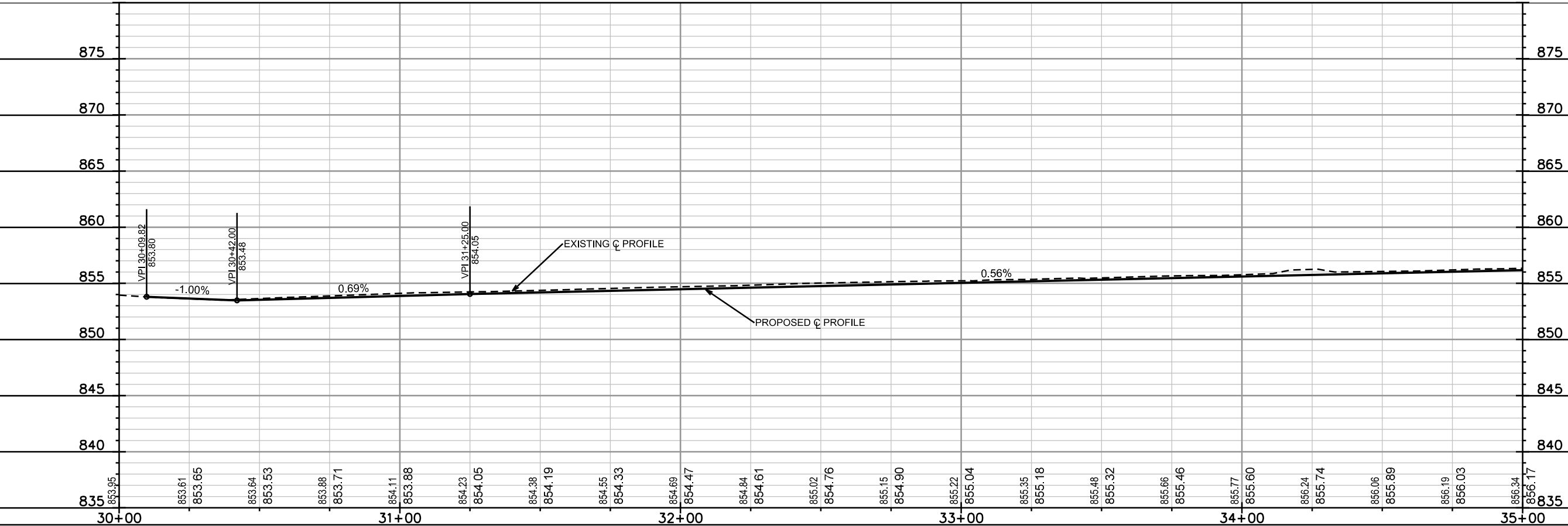
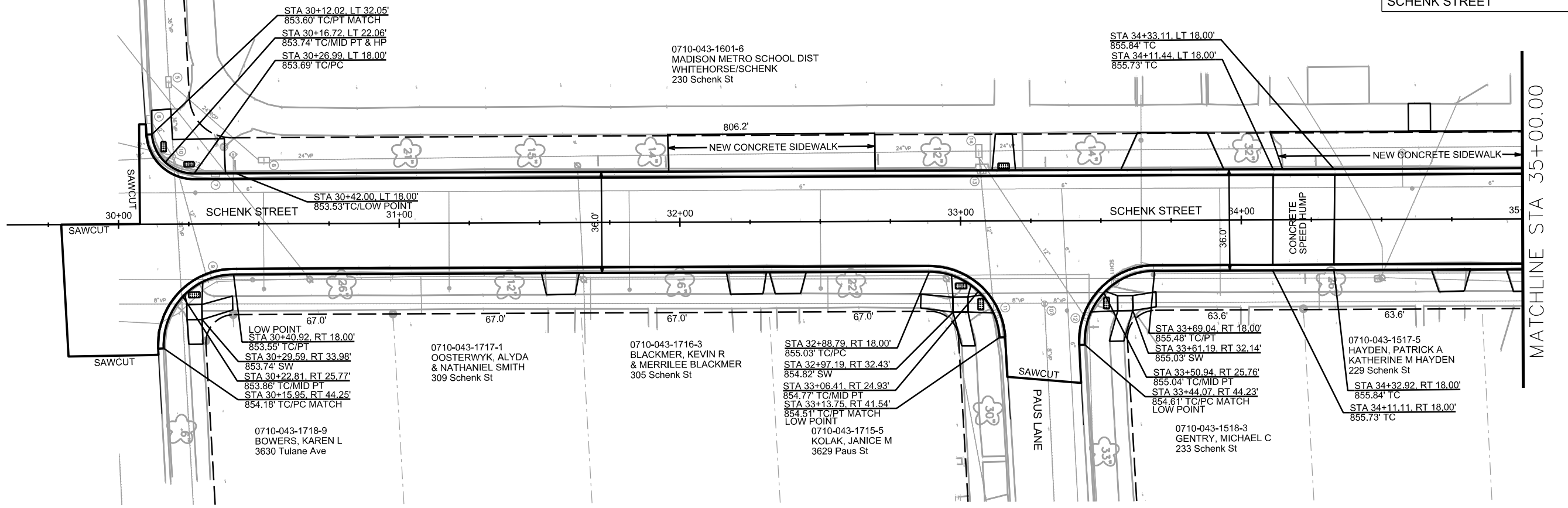
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PLAN AND PROFILE
SCHENK STREET CITY OF MADISON

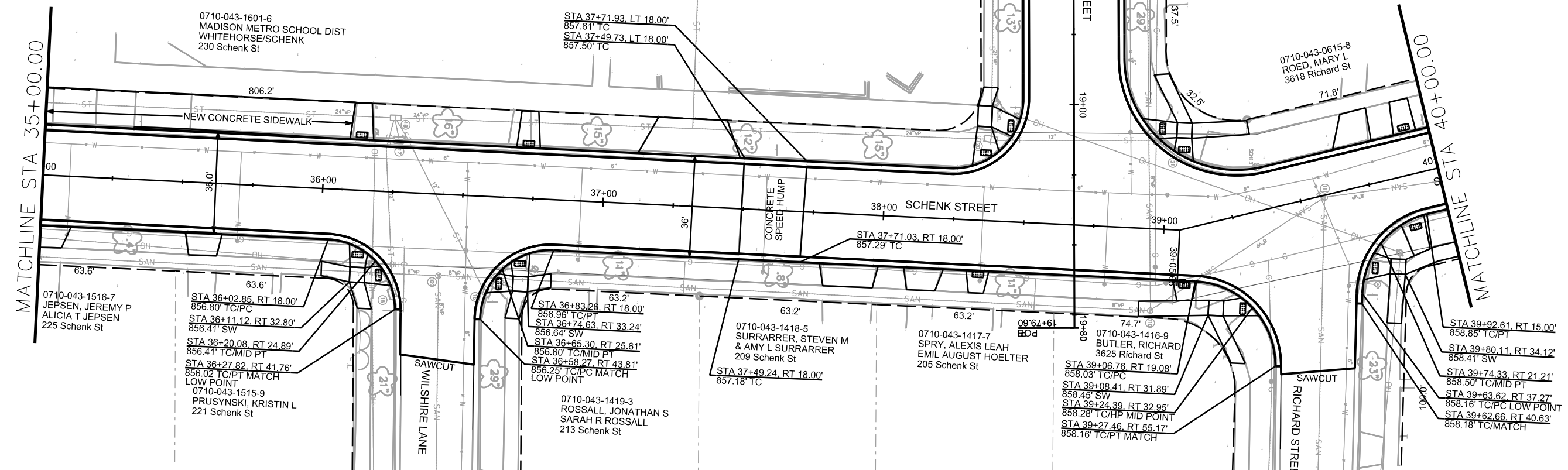


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

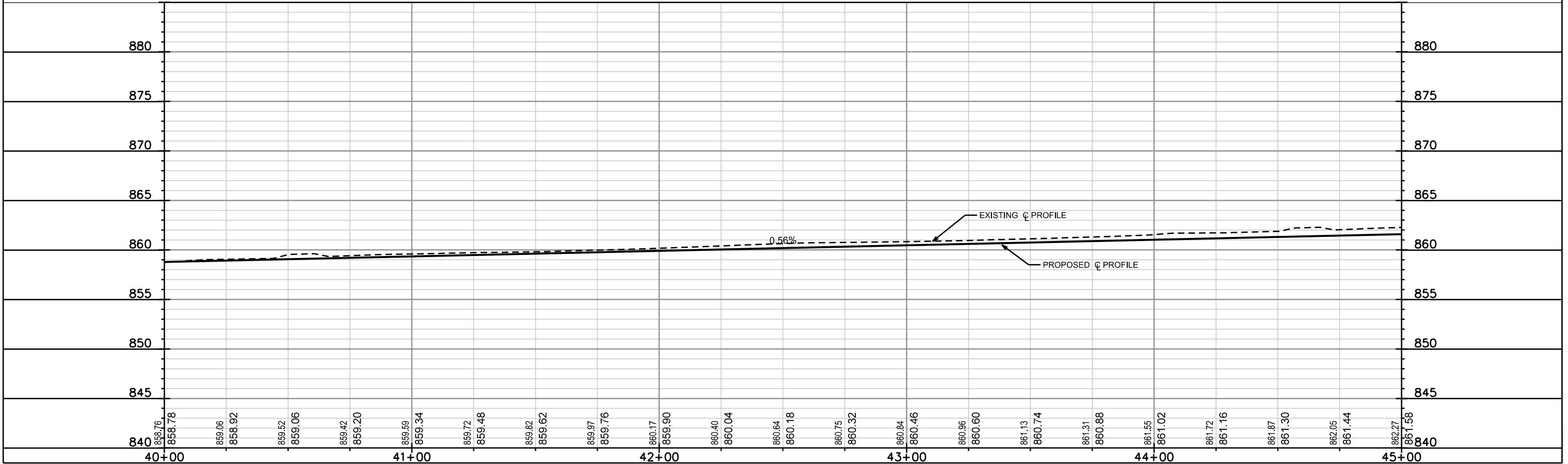
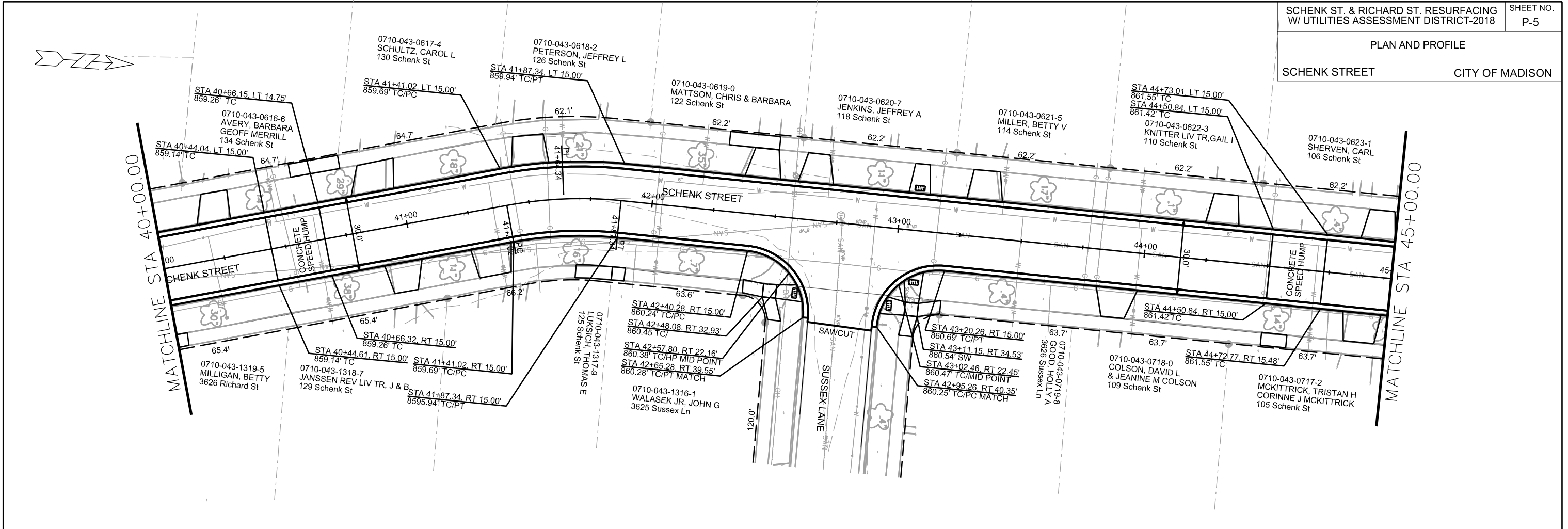


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

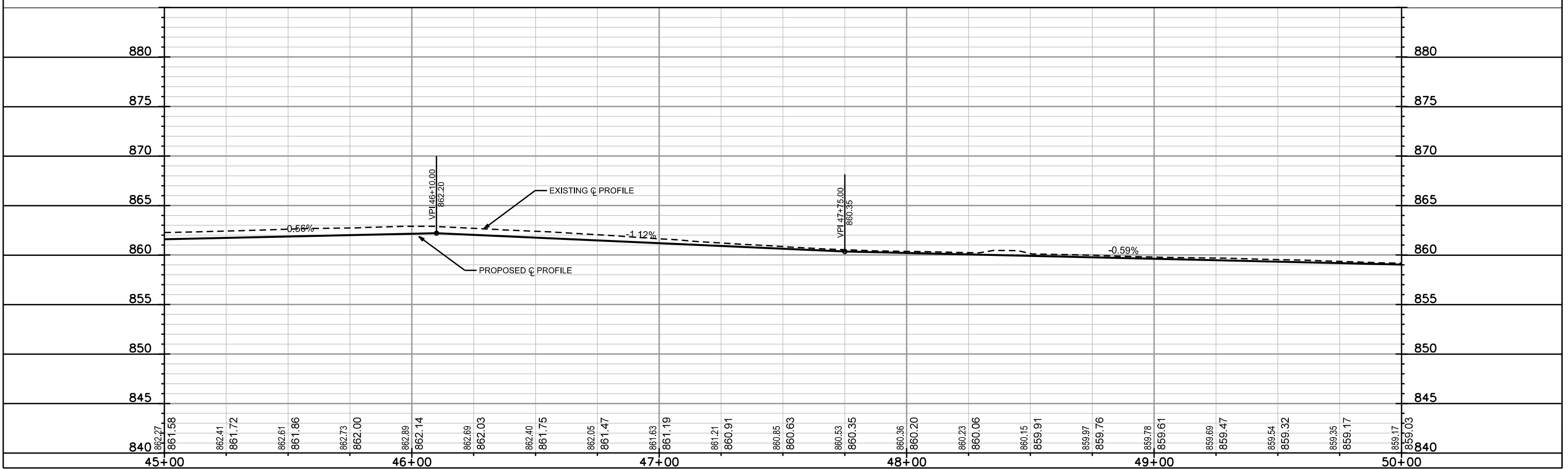
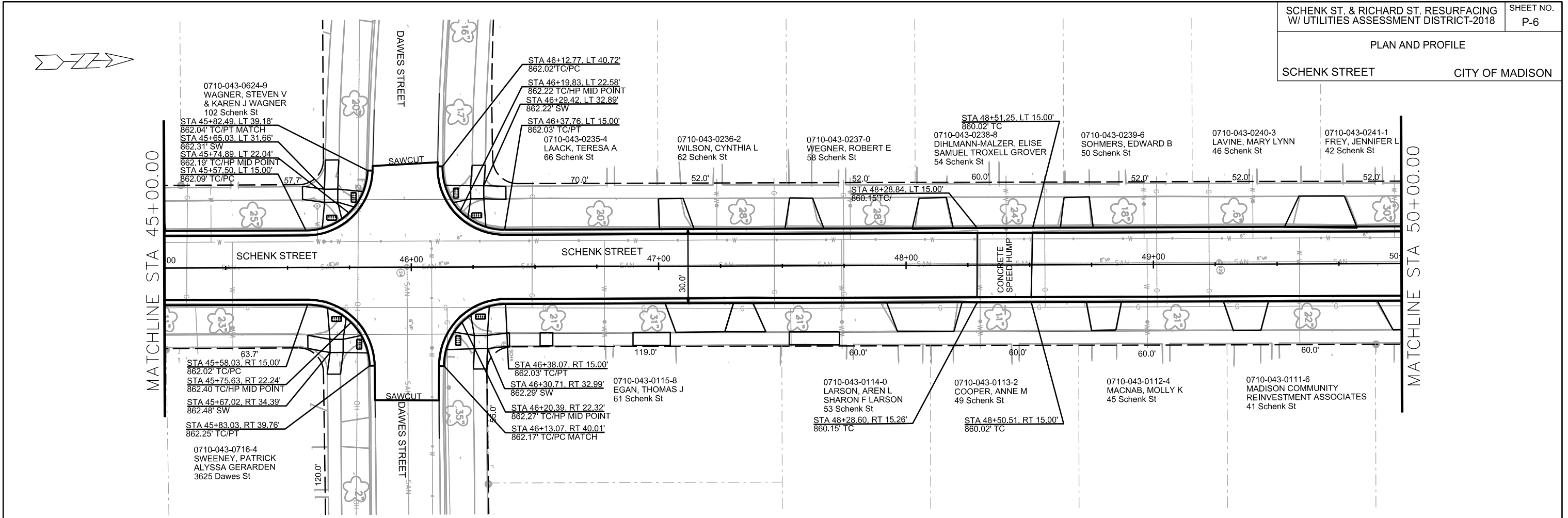


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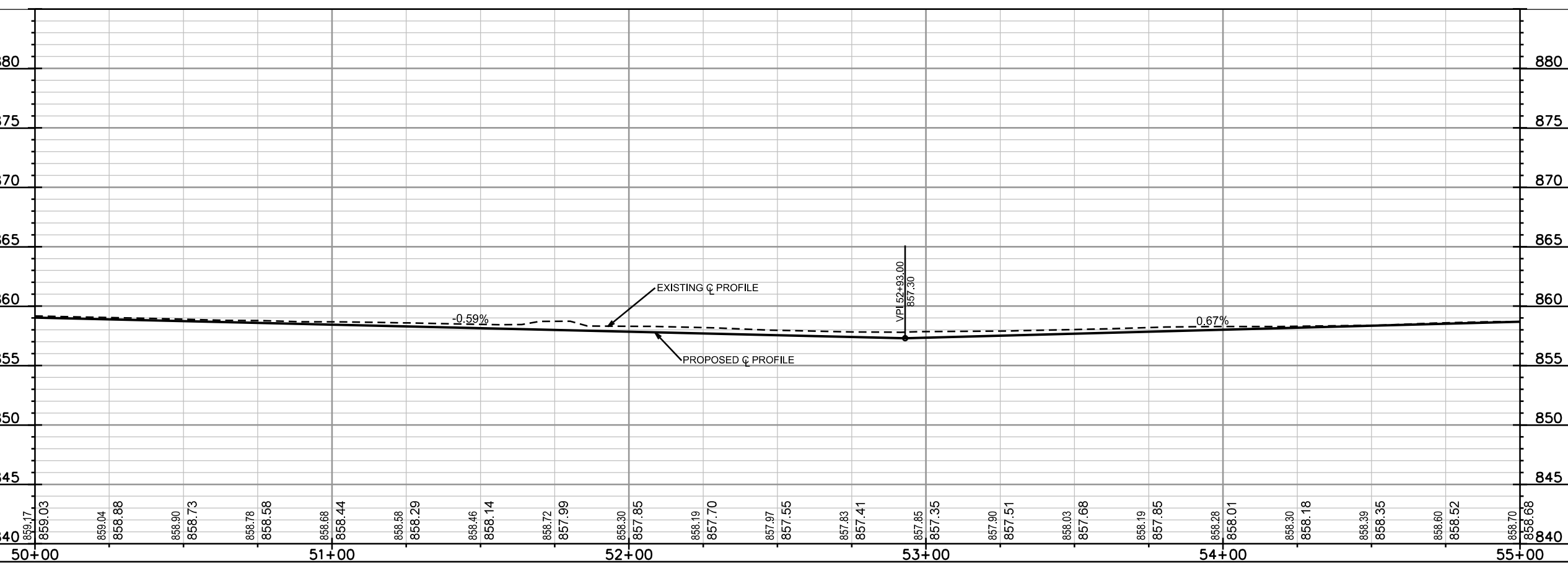
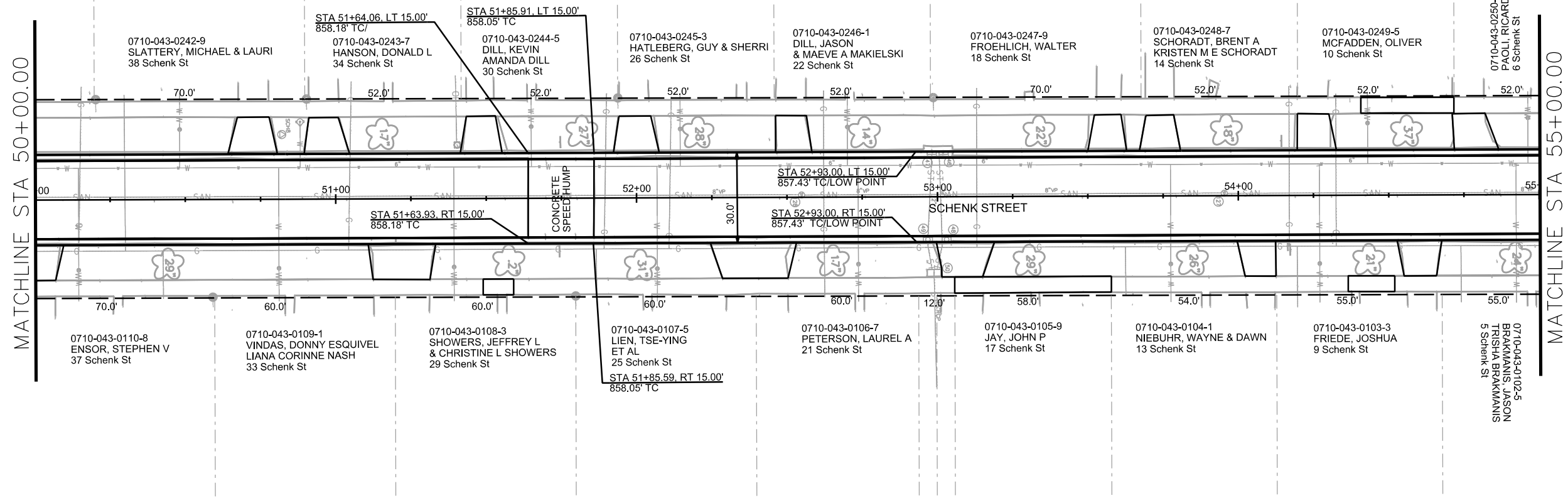
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE
SCHENK STREET CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

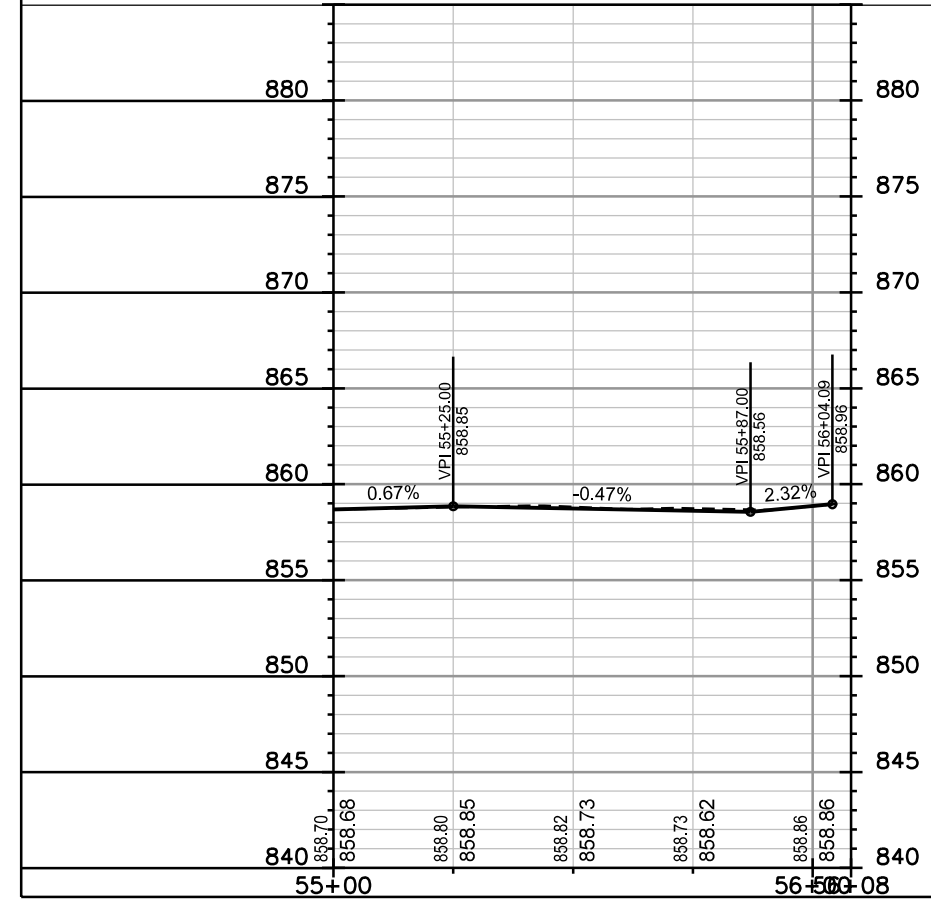
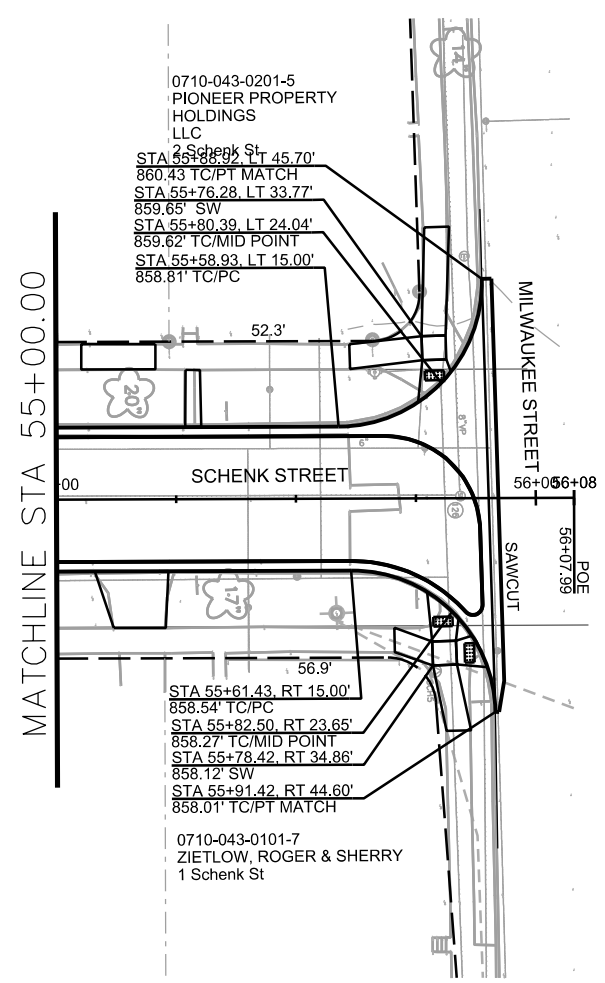
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

SCHENK STREET

CITY OF MADISON



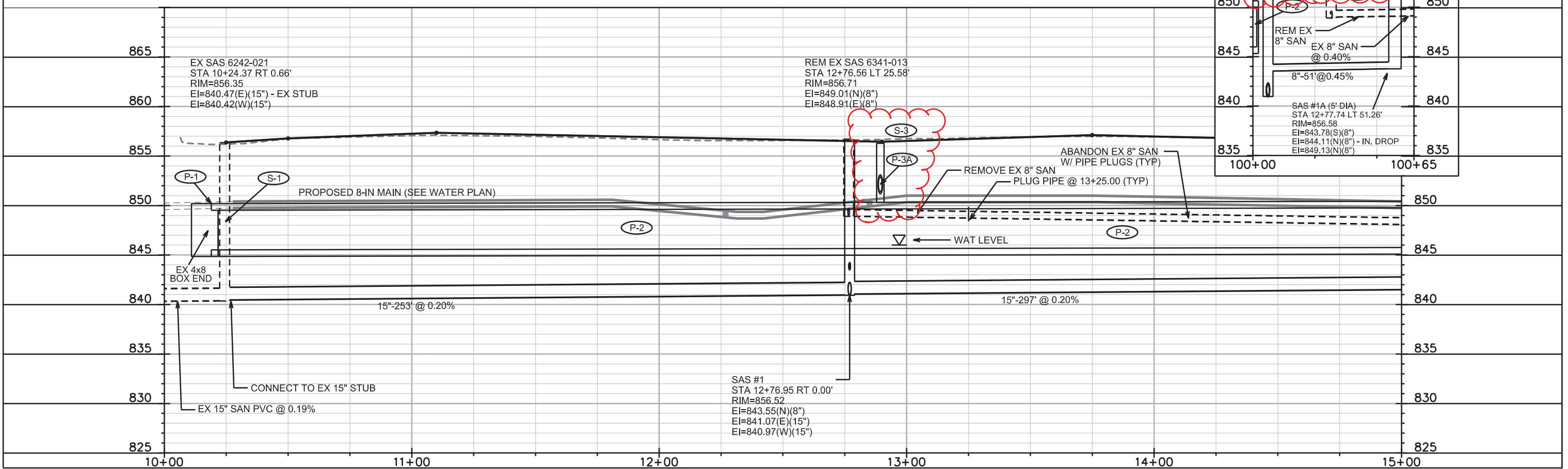
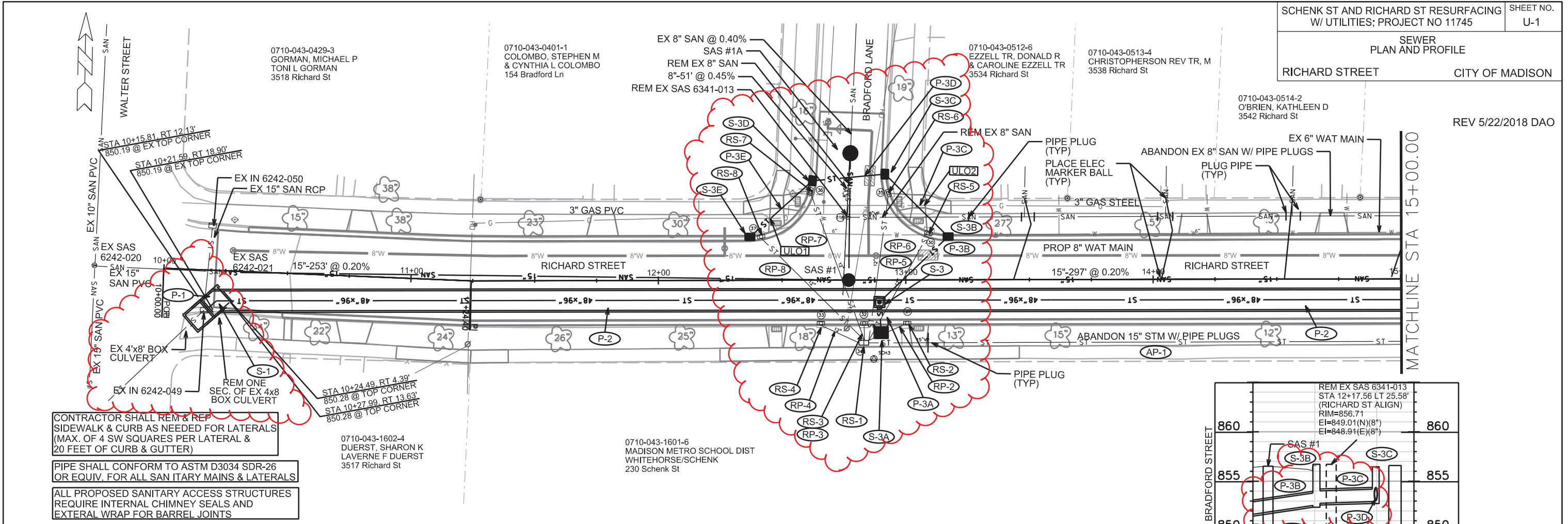
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 5/22/2018 DAO



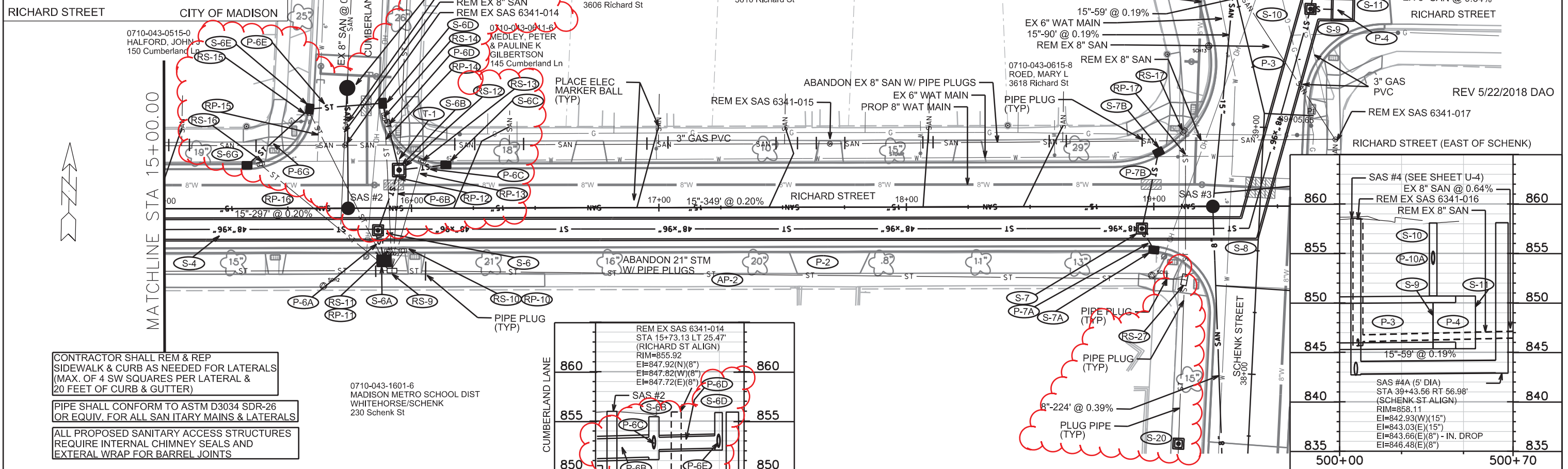
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

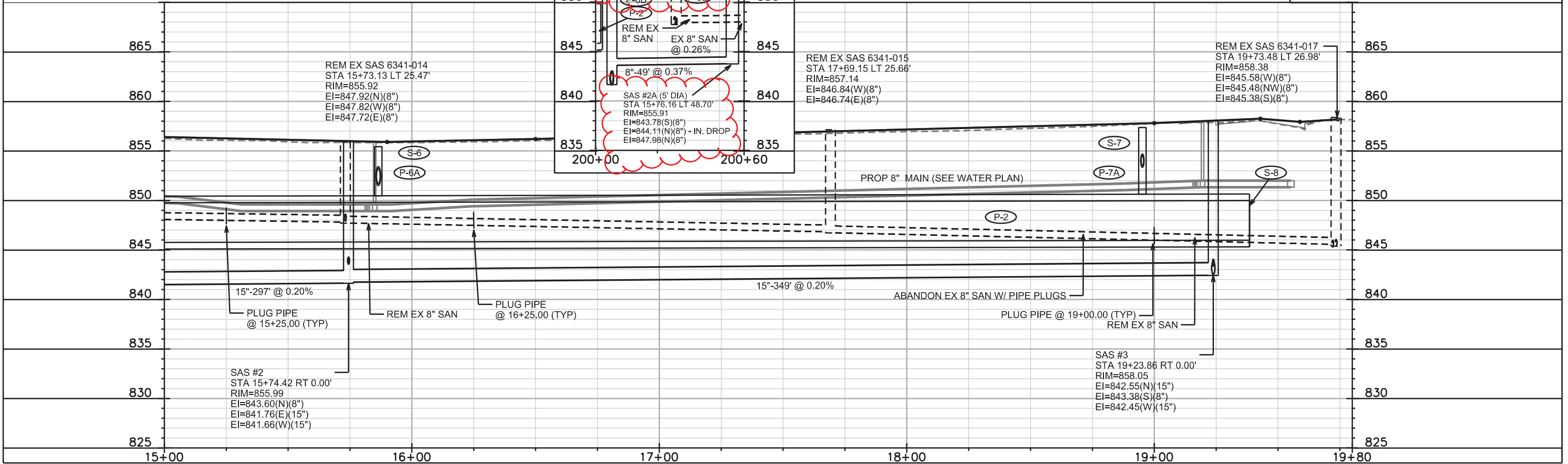
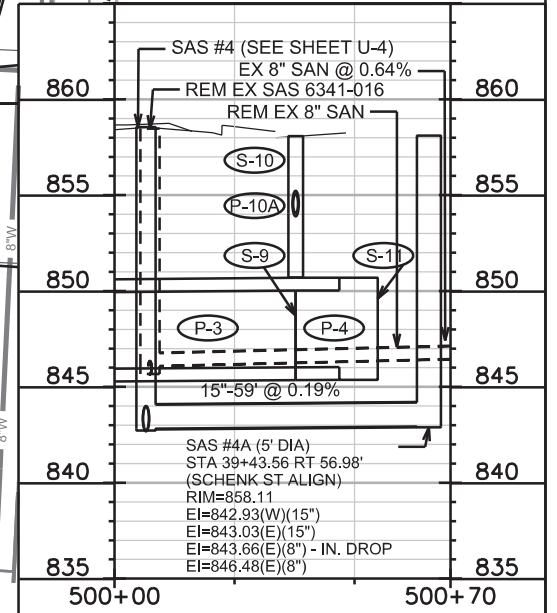
SEWER
PLAN AND PROFILE



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

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

ALL PROPOSED SANITARY ACCESS STRUCTURES
REQUIRE INTERNAL CHIMNEY SEALS AND
EXTERNAL WRAP FOR BARREL JOINTS



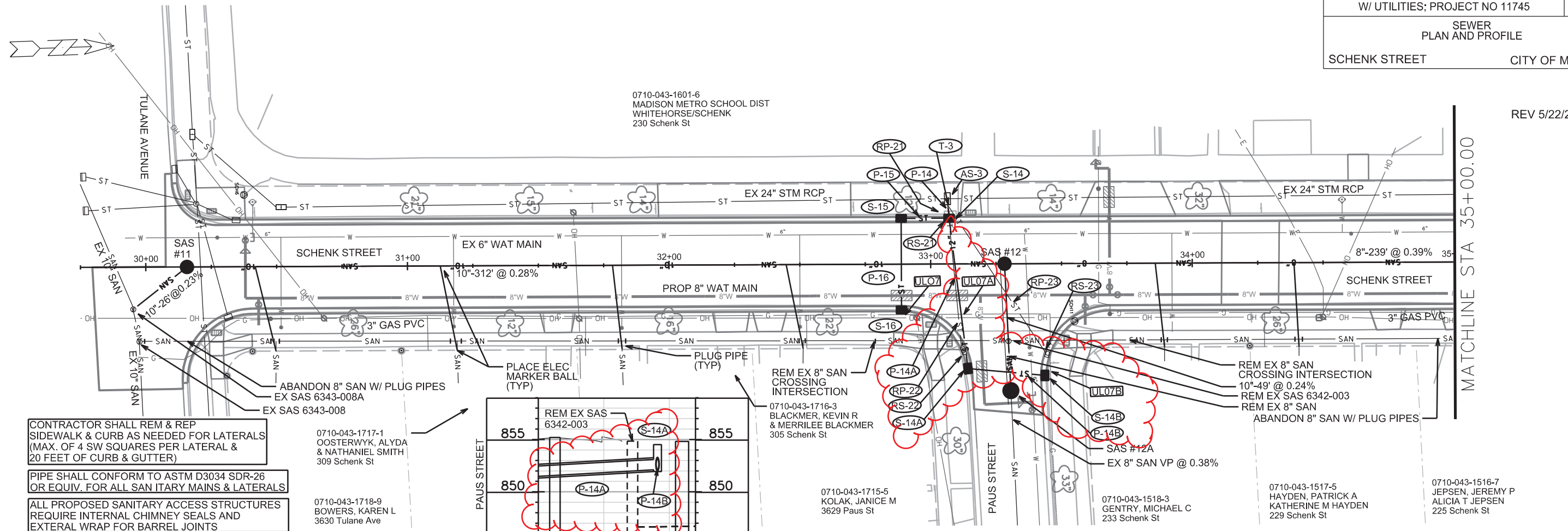
PLOT SCALE: 1" = 10'

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 5/22/2018 DAO

0710-043-1601-6
 MADISON METRO SCHOOL DIST
 WHITEHORSE/SCHENK
 230 Schenk St



CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)

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ALL PROPOSED SANITARY ACCESS STRUCTURES REQUIRE INTERNAL CHIMNEY SEALS AND EXTERNAL WRAP FOR BARREL JOINTS

0710-043-1717-1
 OOSTERWYK, ALYDA & NATHANIEL SMITH
 309 Schenk St

0710-043-1718-9
 BOWERS, KAREN L
 3630 Tulane Ave

0710-043-1716-3
 BLACKMER, KEVIN R & MERRILEE BLACKMER
 305 Schenk St

0710-043-1715-5
 KOLAK, JANICE M
 3629 Paus St

0710-043-1518-3
 GENTRY, MICHAEL C
 233 Schenk St

0710-043-1517-5
 HAYDEN, PATRICK A & KATHERINE M HAYDEN
 229 Schenk St

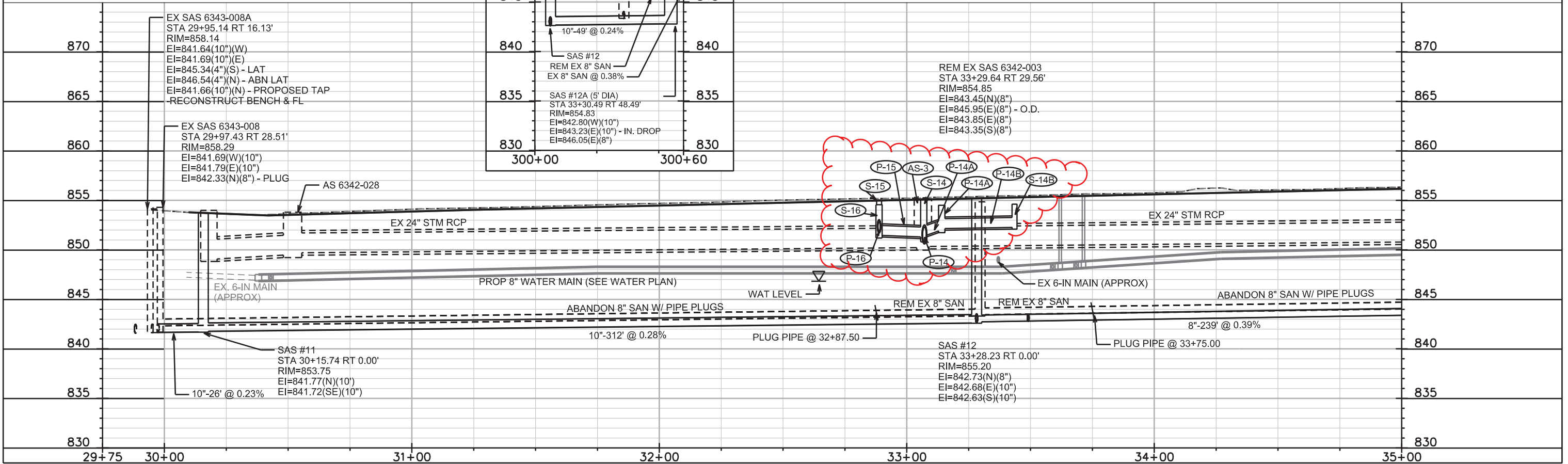
0710-043-1516-7
 JEPSEN, JEREMY P & ALICIA T JEPSEN
 225 Schenk St

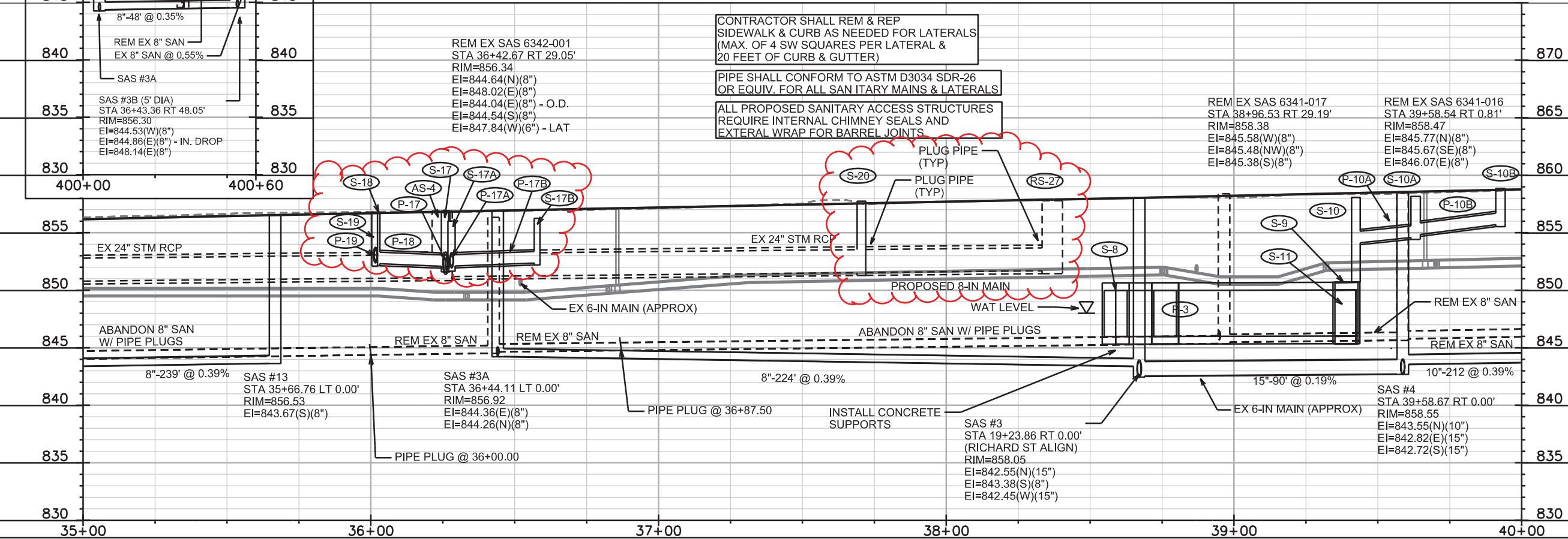
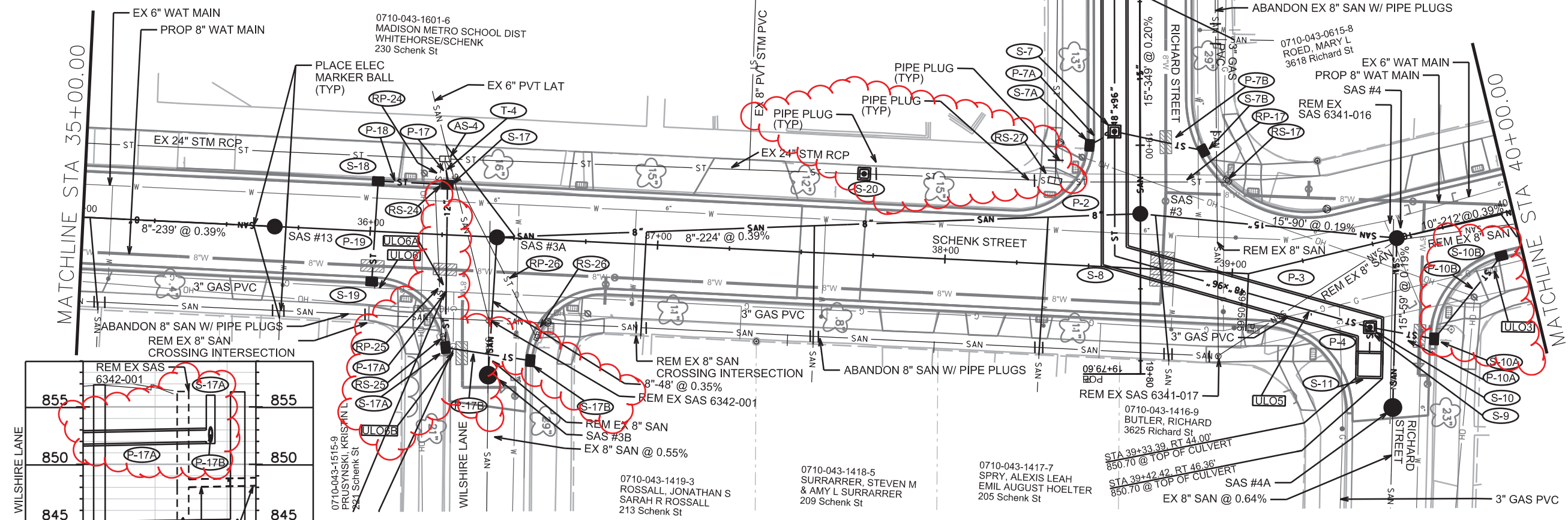
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





CONTRACTOR SHALL REM & REP
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(MAX. OF 4 SW SQUARES PER LATERAL &
20 FEET OF CURB & GUTTER)

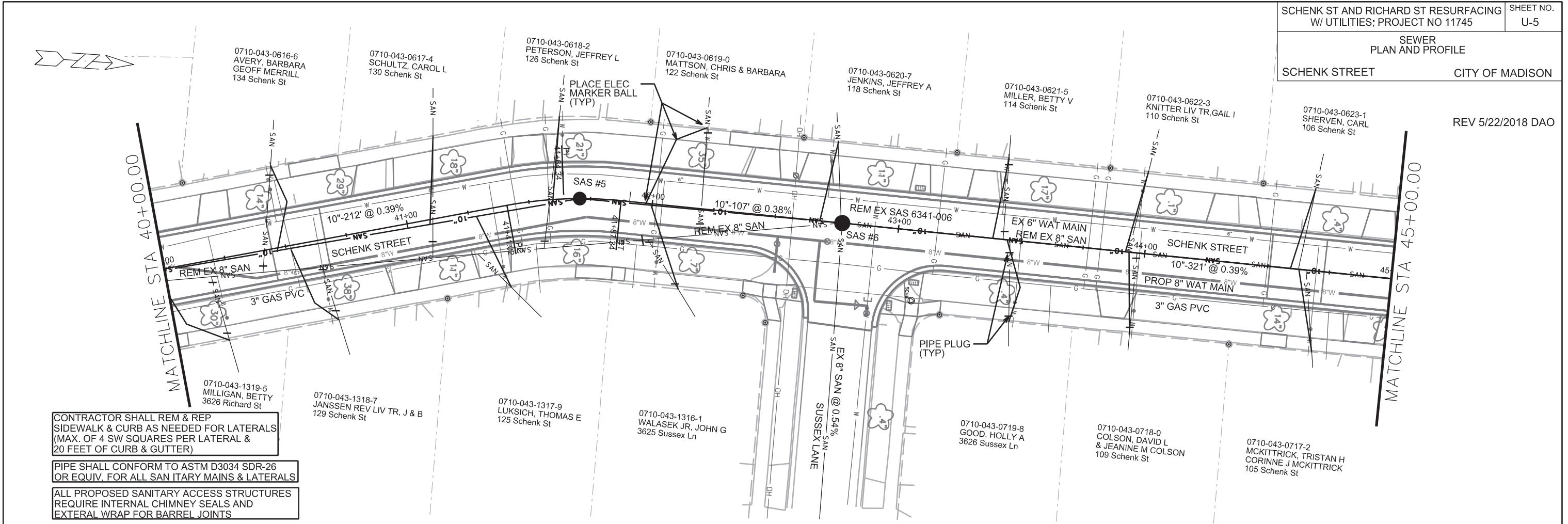
PIPE SHALL CONFORM TO ASTM D3034 SDR-26
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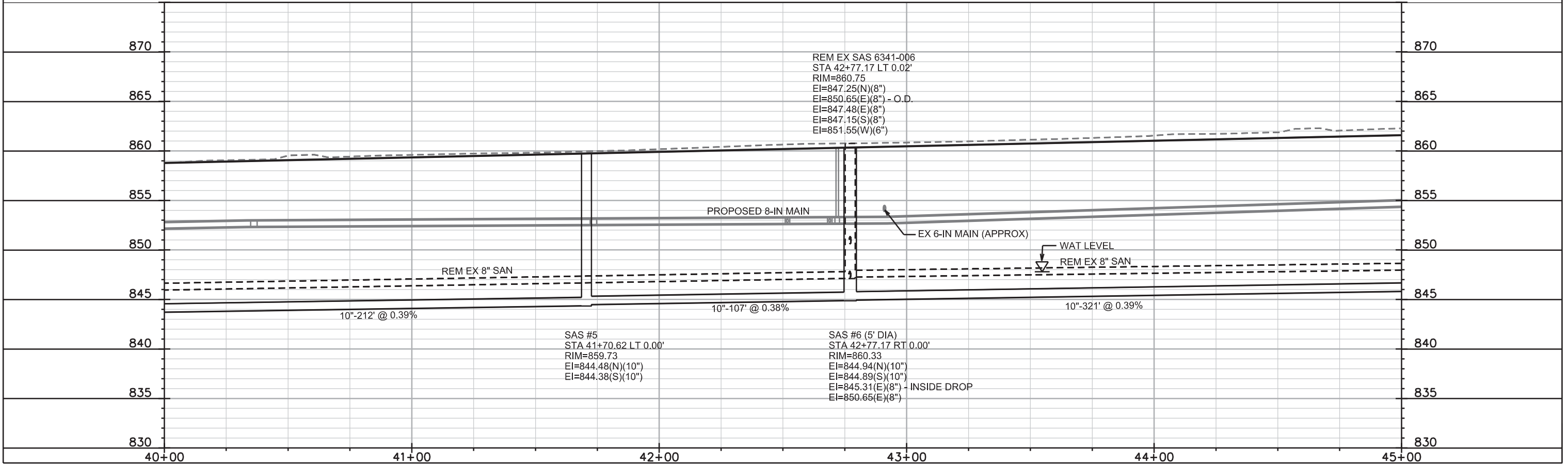
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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PLOT SCALE:

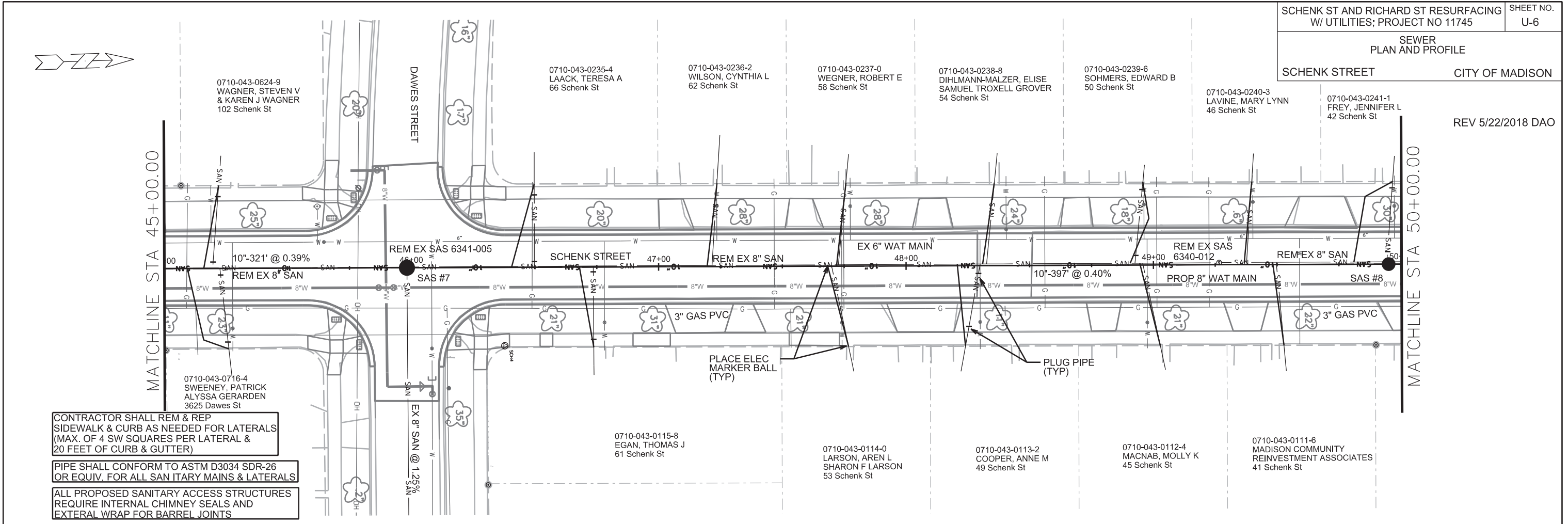
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SEWER PLAN AND PROFILE
SCHENK STREET CITY OF MADISON

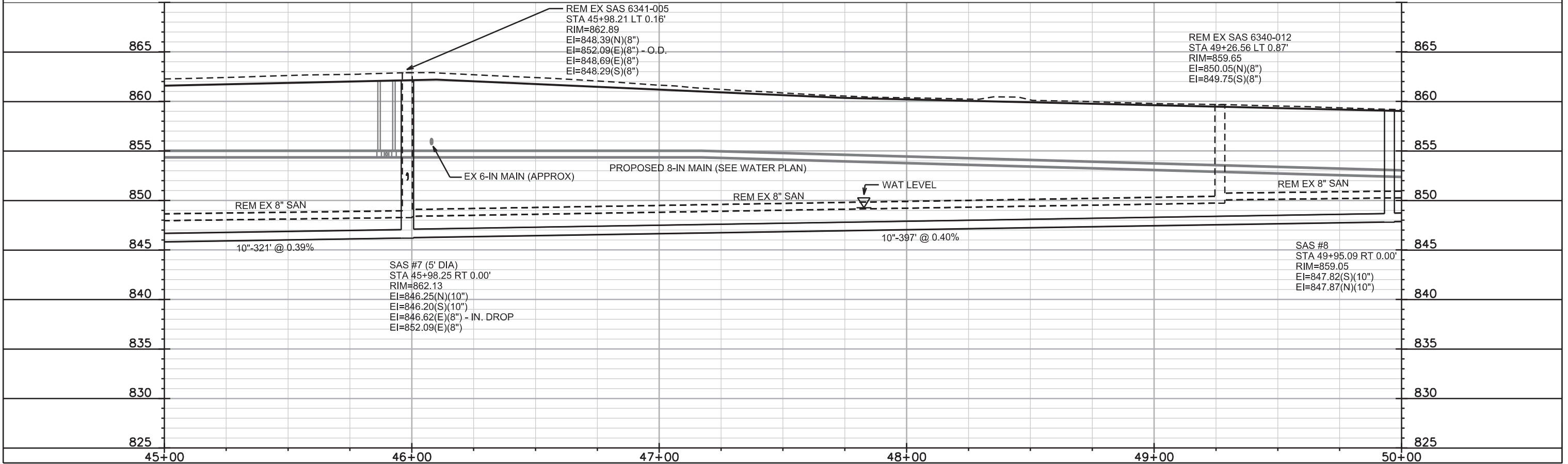
REV 5/22/2018 DAO



CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)

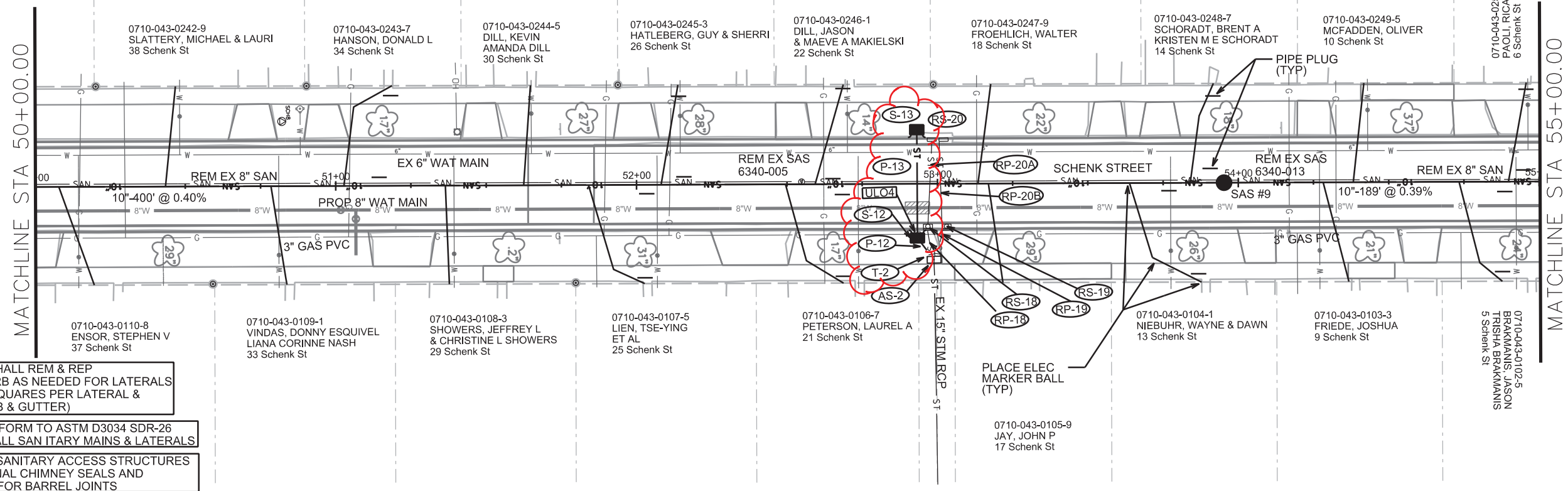
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PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

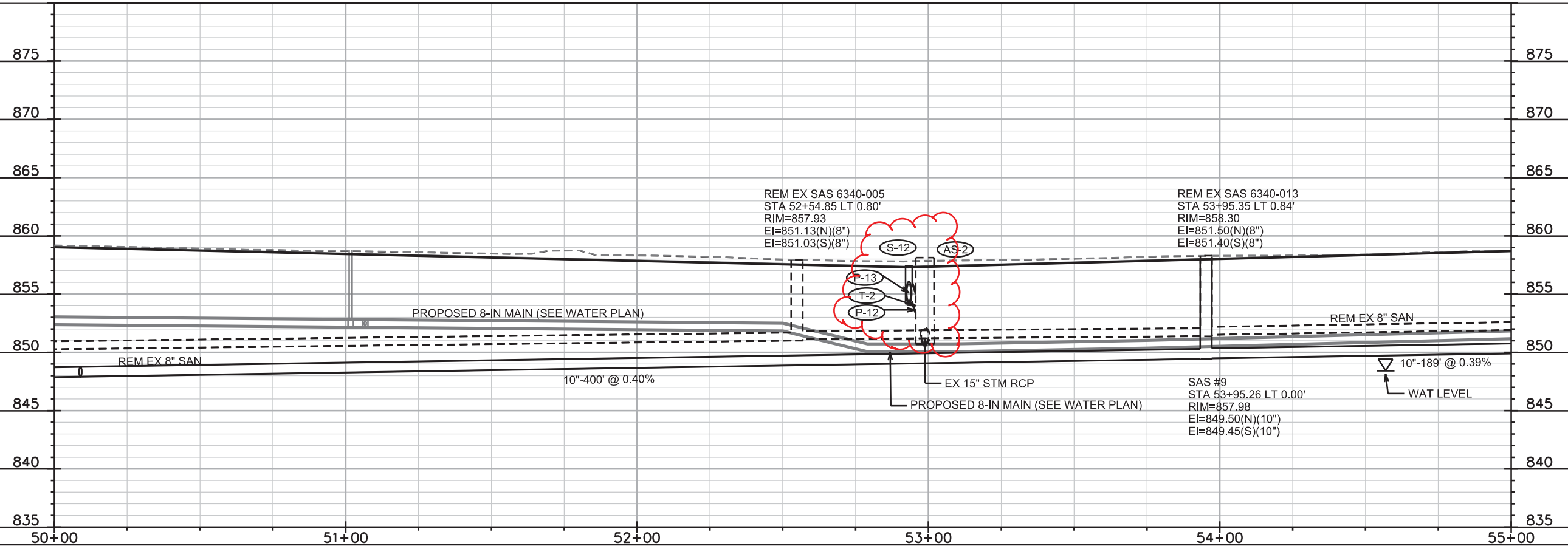
REV 5/22/2018 DAO



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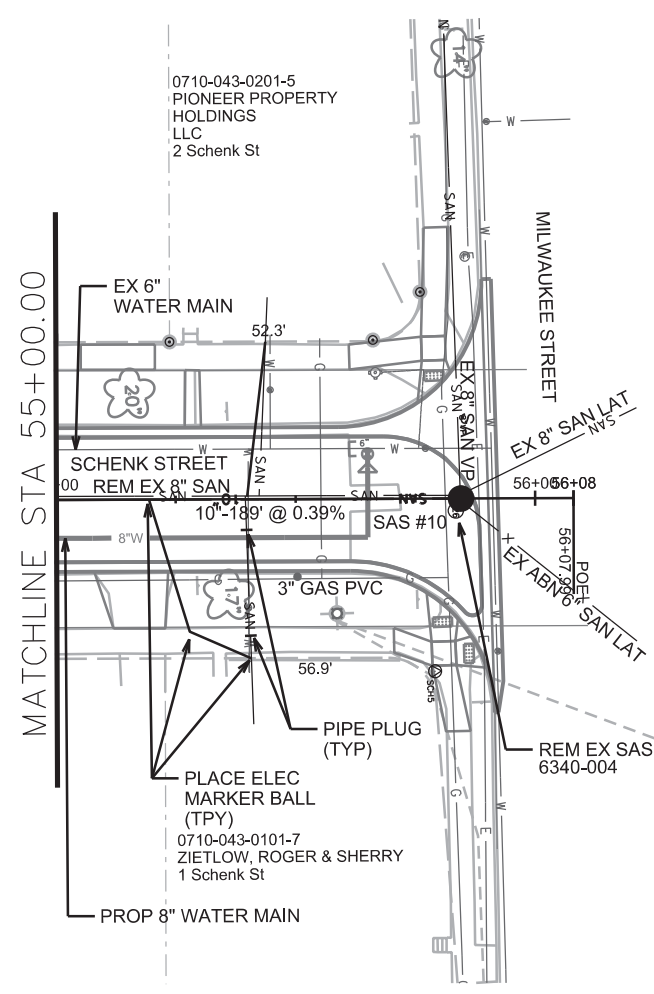
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

* REV 5/22/2018

SCHENK ST AND RICHARD ST RESURFACING W/ UTILITIES; PROJECT NO 11745	SHEET NO. U-9
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
RICHARD ST						
SAS #1	12+76.95	CL	856.52	840.97	15.55	(1)(2)
SAS #1A	12+77.74	RT-51.26	856.58	843.78	12.80	(1)(2) 5' SAS - INSIDE DROP
SAS #2	15+74.42	CL	855.99	841.66	14.33	(1)(2)
* SAS #2A	15+76.16	LT-48.70	855.91	843.78	12.13	(1)(2) 5' SAS - INSIDE DROP
SAS #3	19+23.86	CL	858.05	842.45	15.60	(1)(2)
SCHENK ST						
SAS #3A	36+44.11	CL	856.92	844.26	12.66	(1)(2)
SAS #3B	36+43.36	RT-48.05	856.30	844.53	11.77	(1)(2) 5' SAS - INSIDE DROP
SAS #4	39+58.67	CL	858.55	842.72	15.83	(1)(2)
SAS #4A	39+43.56	RT-56.98	858.11	842.93	15.18	(1)(2) 5' SAS - INSIDE DROP
SAS #5	41+70.62	CL	859.73	844.38	15.35	(1)(2)
SAS #6	42+77.17	CL	860.33	844.89	15.44	(1)(2) 5' SAS - INSIDE DROP
SAS #7	45+98.25	CL	862.13	846.20	15.93	(1)(2) 5' SAS - INSIDE DROP
SAS #8	49+95.09	CL	859.05	847.82	11.23	(1)(2)
SAS #9	53+95.26	CL	857.98	849.45	8.53	(1)(2)
SAS #10	55+84.50	CL	858.57	850.24	8.33	(1)(2)
SAS #11	30+15.74	CL	853.75	841.72	12.03	(1)(2)
SAS #12	33+28.23	CL	855.20	842.63	12.57	(1)(2)
SAS #12A	33+30.49	RT-48.49	854.83	842.80	12.03	(1)(2) 5' SAS - INSIDE DROP
SAS #13	35+66.76	CL	856.53	843.67	12.86	(1)(2)

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
RICHARD ST								
* EX SAS 6242-021	SAS #1	840.47	840.97	253	0.20%	15"	SDR-26	CONNECT TO EX 15" PIPE STUB
* SAS #1	SAS #1A	843.55	843.78	51	0.45%	8"	SDR-26	
* SAS #1	SAS #2	841.07	841.66	297	0.20%	15"	SDR-26	
* SAS #2	SAS #2A	843.60	843.78	49	0.37%	8"	SDR-26	
* SAS #2	SAS #3	841.76	842.45	349	0.20%	15"	SDR-26	
SCHENK ST								
* SAS #3	SAS #3A	843.38	844.26	224	0.39%	8"	SDR-26	
* SAS #3A	SAS #3B	844.36	844.53	48	0.35%	8"	SDR-26	
* SAS #3	SAS #4	842.55	842.72	90	0.19%	15"	SDR-26	
* SAS #4	SAS #4A	842.82	842.93	59	0.19%	15"	SDR-26	
* SAS #4	SAS #5	843.55	844.38	212	0.39%	10"	SDR-26	
* SAS #5	SAS #6	844.48	844.89	107	0.38%	10"	SDR-26	
* SAS #6	SAS #7	844.94	846.20	321	0.39%	10"	SDR-26	
* SAS #7	SAS #8	846.25	847.82	397	0.40%	10"	SDR-26	
* SAS #8	SAS #9	847.87	849.45	400	0.40%	10"	SDR-26	
* SAS #9	SAS #10	849.50	850.24	189	0.39%	10"	SDR-26	
* EX SAS 6343-008A	SAS #11	841.66	841.72	26	0.23%	10"	SDR-26	RECONSTRUCT BENCH & FL
* SAS #11	SAS #12	841.77	842.63	312	0.28%	10"	SDR-26	
* SAS #12	SAS #12A	842.68	842.80	49	0.24%	10"	SDR-26	
* SAS #12	SAS #13	842.73	843.67	239	0.39%	8"	SDR-26	

REMOVE SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP OF CASTING	EX E.I.	DEPTH	NOTES
RICHARD ST						
SAS 6341-013	12+76.56	LT-25.58	856.71	848.91	7.80	
SAS 6341-014	15+73.13	LT-25.47	855.92	847.72	8.20	
SAS 6341-015	17+69.15	LT-25.66	857.14	846.74	10.40	
SAS 6341-017	19+73.48	LT-26.98	858.38	845.38	13.00	
SCHENK ST						
SAS 6340-004	55+84.51	LT-0.45	858.66	852.26	6.40	
SAS 6340-013	53+95.35	LT-0.84	858.30	851.40	6.90	
SAS 6340-005	52+54.85	LT-0.80	857.93	851.03	6.90	
SAS 6340-012	49+26.56	LT-0.87	859.65	849.75	9.90	
SAS 6341-005	45+98.21	LT-0.16	862.89	848.29	14.60	
SAS 6341-006	42+77.17	LT-0.02	860.75	847.15	13.60	
SAS 6341-016	39+58.54	RT-0.81	858.47	845.67	12.80	
SAS 6342-001	36+42.67	RT-29.05	856.34	844.54	11.80	
SAS 6342-003	33+29.64	RT-29.56	854.85	843.35	11.50	
SAS 6343-008A	29+95.14	RT-16.13	854.14	841.66	12.48	

REMOVE SANITARY PIPES

REMOVE FROM	REMOVE TO	LENGTH (ft)	PAID (Y/N)	SIZE (DIA)	PIPE TYPE	NOTES
RICHARD ST						
SAS 6341-013	SAS #1A	22	N	8"	VP	REMOVE PIPE
13+25.00	SAS 6341-013	41	Y	8"	VP	REMOVE PIPE
15+25.00	13+25.00	200	N	8"	VP	ABAN W/ PIPE PLUGS
16+25.00	15+25.00	100	Y	8"	VP	REMOVE PIPE
SAS 6341-015	16+25.00	144	N	8"	VP	ABAN W/ PIPE PLUGS
19+00.00	SAS 6341-015	131	N	8"	VP	ABAN W/ PIPE PLUGS
SAS 6341-017	19+00.00	73	Y	8"	VP	REMOVE PIPE
RICHARD ST						
SAS 6343-008	32+87.50	290	N	8"	VP	ABAN W/ PIPE PLUGS
32+87.50	33+75.00	88	Y	8"	VP	REMOVE PIPE
SAS 6342-003	SAS #12A	21	N	8"	VP	REMOVE PIPE
33+75.00	36+00.00	225	N	8"	VP	ABAN W/ PIPE PLUGS
36+00.00	36+87.50	88	Y	8"	VP	REMOVE PIPE
SAS 6342-001	SAS #3B	21	N	8"	VP	REMOVE PIPE
36+87.50	SAS 6341-017	209	N	8"	VP	ABAN W/ PIPE PLUGS
SAS 6341-017	SAS 6341-016	70	Y	8"	VP	REMOVE PIPE
SAS 6341-016	SAS #4A	60	N	8"	VP	REMOVE PIPE
SAS 6341-016	SAS 6341-006	312	N	8"	VP	REMOVE PIPE
SAS 6341-006	SAS 6341-005	317	N	8"	VP	REMOVE PIPE
SAS 6340-012	SAS 6340-005	324	N	8"	VP	REMOVE PIPE
SAS 6341-005	SAS 6340-012	324	N	8"	VP	REMOVE PIPE
SAS 6340-005	SAS 6340-013	136	N	8"	VP	REMOVE PIPE
SAS 6340-013	SAS 6340-004	185	N	8"	VP	REMOVE PIPE

SPECIFIC NOTES

- (1) INSTALL CHIMNEY SEAL
- (2) EXTERNAL WRAP BARREL JOINTS

STORM SEWER SCHEDULE

* REV 5/22/2018

SCHENK ST AND RICHARD ST RESURFACING W/ UTILITIES; PROJECT NO 11745	SHEET NO. U-10
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
RICHARD ST							
* S-1	10+21.73	RT-12.30	BOX BEND	-	845.52	-	(3)
* S-2	NOT USED						
* S-3	12+89.35	RT-8.94	3x3 SAS MODIFIED	856.27	850.70	5.57	W/1550-0054 (2)
S-3A	12+89.99	RT-21.28	TERRACE INLET 2	856.91	852.15	4.76	LP;FP;SEE S.D.D 5.7.12A(1)(5)
* S-3B	13+17.16	LT-17.50	H INLET	856.72	852.66	4.06	W/3067-7004-V
* S-3C	12+91.66	LT-42.78	H INLET	856.46	852.96	3.50	LP; W/3067-7004-VB
* S-3D	12+62.37	LT-40.13	H INLET	856.35	853.35	3.00	LP; W/3067-7004-VB
* S-3E	12+37.02	LT-17.50	H INLET	856.77	853.61	3.16	W/3067-7004-V
* S-4	NOT USED						
S-5	NOT USED						
S-6	15+86.44	RT-8.93	3x3 SAS MODIFIED	855.74	851.21	4.53	W/1550-0054 (2)
S-6A	15+88.83	RT-21.28	TERRACE INLET 2	856.15	851.89	4.26	LP;FP;SEE S.D.D 5.7.12A(1)(5)
S-6B	15+95.04	LT-15.44	4x4 SAS	855.45	851.36	4.09	W/1550-0054
S-6C	16+13.95	LT-17.50	H INLET	856.08	852.46	3.62	W/3067-7004-V
* S-6D	15+88.46	LT-42.46	H INLET	855.86	852.26	3.60	LP; W/3067-7004-VB
* S-6E	15+58.92	LT-40.24	H INLET	855.72	852.67	3.05	LP; W/3067-7004-VB
* S-6G	15+33.56	LT-17.50	H INLET	856.27	852.93	3.34	W/3067-7004-V
T-1	15+86.44	RT-8.93	TAP	-	852.46	-	RECON EX 18" RCP ST
S-7	18+95.20	RT-8.91	3x3 SAS MODIFIED	857.36	852.93	4.43	W/1550-0054 (2)
S-7A	19+00.00	RT-17.50	H INLET	856.98	853.65	3.33	FP; W/3067-7004-V
S-7B	19+01.95	LT-22.00	H INLET	856.84	853.51	3.33	FP; W/3067-7004-V
S-8	19+38.50	RT-8.92	BOX BEND	-	845.98	-	(3)
S-8	19+38.50	RT-8.92	BOX BEND	-	845.98	-	(3)
SCHENK ST							
S-9	39+42.37	RT-27.99	BOX BEND	-	846.02	-	
S-10	39+42.37	RT-27.99	3x3 SAS MODIFIED	858.08	854.05	4.03	W/1550-0054 (2)
S-10A	39+63.14	RT-37.15	H INLET	858.16	854.66	3.50	W/3067-7004-V
* S-10B	39+92.61	RT-14.50	H INLET	858.85	855.81	3.04	W/3067-7004-V
S-11	39+37.69	RT-45.12	BOX END	-	846.03	-	(4)
T-2	52+98.81	RT-25.24	TAP	-	852.73	-	
* S-12	52+93.29	RT-18.00	TERRACE INLET 3	857.43	854.37	3.06	LP;FP; SEE S.D.D 5.7.12B (1)
* S-13	52+93.20	LT-18.00	TERRACE INLET 3	857.43	854.54	2.89	LP;FP; SEE S.D.D 5.7.12B (1)
T-3	33+06.49	LT-24.92	TAP	-	850.81	-	
S-14	33+07.12	LT-17.50	H INLET	855.13	850.81	4.32	W/3067-7004-V
* S-14A	33+14.11	RT-39.99	H INLET	854.51	852.14	2.37	LP;FP; W/3067-7004-VB
* S-14B	33+43.54	RT-42.72	H INLET	854.61	852.28	2.33	LP;FP; W/3067-7004-VB
* S-15	32+88.79	LT-17.50	H INLET	854.56	851.46	3.10	W/3067-7004-V
* S-16	32+88.79	RT-17.50	H INLET	855.03	852.28	2.75	FP; W/3067-7004-V
T-4	36+24.82	LT-26.38	TAP	-	851.59	-	
S-17	36+26.02	LT-17.50	H INLET	856.89	851.60	5.29	W/3067-7004-V
* S-17A	36+28.06	RT-39.19	H INLET	856.02	852.00	4.02	LP; W/3067-7004-VB
* S-17B	36+57.77	RT-42.29	H INLET	856.25	852.38	3.87	LP; W/3067-7004-VB
S-18	36+01.92	LT-17.50	H INLET	856.76	852.30	4.46	W/3067-7004-V
S-19	36+01.35	RT-17.50	H INLET	856.80	852.73	4.07	W/3067-7004-V
* S-20	37+70.52	LT-28.23	3x3 SADDLED SAS	857.74	851.53	6.21	W/1550-0054 (6)

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
* P-1	EX BOX END	S-1	845.52	845.52	9.0	5	0.00%	4' x 8'	BOX RCP	
* P-2	S-1	S-8	845.52	845.98	917.0	917	0.05%	4' x 8'	BOX RCP	
P-3	S-8	S-9	845.98	846.02	92.0	92	0.04%	4' x 8'	BOX RCP	
* P-3A	S-3	S-3A	851.38	852.15	12.0	9	8.56%	18"	RCP	
* P-3B	S-3	S-3B	851.63	852.66	38.0	35	2.94%	15"	RCP	
* P-3C	S-3B	S-3C	852.76	852.96	36.0	33	0.61%	15"	RCP	
* P-3D	S-3C	S-3D	853.21	853.35	29.0	27	0.52%	12"	RCP	
* P-3E	S-3D	S-3E	853.45	853.61	34.0	31	0.52%	12"	RCP	
P-6A	S-6	S-6A	851.70	851.89	12.5	9	2.11%	18"	RCP	
P-6B	S-6	S-6B	851.21	851.36	26.0	23	0.65%	24"	RCP	
P-6C	S-6B	S-6C	852.36	852.46	19.0	16	0.63%	12"	RCP	
* P-6D	S-6B	S-6D	852.11	852.26	28.0	24	0.62%	15"	RCP	
* P-6E	S-6D	S-6E	852.51	852.67	30.0	28	0.57%	12"	RCP	
* P-6G	S-6E	S-6G	852.77	852.93	34	31	0.52%	12"	RCP	
P-7A	S-7	S-7A	853.51	853.65	10.0	7	2.00%	12"	RCP	
P-7B	S-7	S-7B	852.93	853.51	31.5	29	2.00%	12"	RCP	
P-10A	S-10	S-10A	854.05	854.66	23.0	20	3.05%	12"	RCP	
* P-10B	S-10A	S-10B	854.76	855.81	37.0	34	3.09%	12"	RCP	
* P-12	AS-2	S-12	853.44	854.37	9.0	5	18.60%	18"	RCP	
* P-13	S-12	S--13	854.37	854.54	36.0	34	0.50%	18"	RCP	
* P-14	AS-3	S-14	850.81	850.81	7.5	3	0.00%	18"	RCP	
* P-14A	S-14	S-14A	851.31	852.14	58.0	55	1.51%	12"	RCP	
* P-14B	S-14A	S-14B	852.14	852.28	29.5	28	0.50%	12"	RCP	
P-15	S-14	S-15	851.31	851.46	18.0	15	1.00%	12"	RCP	
* P-16	S-15	S-16	851.46	852.46	35.0	33	3.03%	12"	RCP	
P-17	AS-4	S-17	851.59	851.60	9.0	5	0.20%	18"	RCP	
* P-17A	S-17	S-17A	851.70	852.00	57.0	54	0.56%	12"	RCP	NCM
* P-17B	S-17A	S-17B	852.10	852.38	30.0	28	1.00%	12"	RCP	
P-18	S-17	S-18	852.09	852.30	24.0	21	1.00%	12"	RCP	
P-19	S-18	S-19	852.40	852.73	35.0	33	1.00%	12"	RCP	

NOTE: PLAN LENGTH (PAY 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) GRATE ELEVATION 0.2 FT BELOW TOC ELEVATION
- (2) SEE BID ITEM 90030
- (3) INCLUDED IN LINEAL FEET OF PIPE PAVEMENT
- (4) SEE BID ITEM 90031
- (5) WITH 3 FT SUMP TO BE CONSTRUCTED BELOW INVERT LISTED ON SCHEDULE
- (6) SEE S.D.D. 5.7.10A (TYPE B)

STANDARD NOTES:

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- 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.

STORM SEWER SCHEDULE

* REV 5/22/2018

SCHENK ST AND RICHARD ST RESURFACING W/ UTILITIES; PROJECT NO 11745	SHEET NO. U-11
STORM SEWER SCHEDULE	
CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RICHARD ST					
RS-1	AS 6342-001	12+83.00	RT-25.38	5'x7' SAS	
RS-2	IN 6342-004	13+00.54	RT-17.28	EX Tub Inlet	
RS-3	IN 6342-003	12+83.09	RT-17.27	EX Tub Inlet	
RS-4	IN 6342-002	12+65.66	RT-17.35	EX Tub Inlet	
RS-5	IN 6341-004	13+09.17	LT-18.71	EX Tub Inlet	
RS-6	IN 6341-001	12+92.99	LT-35.14	EX Tub Inlet	
RS-7	IN 6341-002	12+61.40	LT-35.90	EX Tub Inlet	
RS-8	IN 6341-003	12+41.58	LT-17.73	EX Tub Inlet	
RS-9	AS 6342-005	15+92.06	RT-25.27	5'x7' SAS	
RS-10	IN 6342-013	15+96.48	RT-17.03	EX Tub Inlet	
RS-11	IN 6342-012	15+90.57	RT-17.13	EX Tub Inlet	
RS-12	NO ID	15+95.05	LT-15.46	5'x7' SAS	
RS-13	IN 6341-008	16+04.37	LT-19.05	EX Tub Inlet	
RS-14	IN 6341-005	15+88.86	LT-37.01	EX Tub Inlet	
RS-15	IN 6341-006	15+58.92	LT-39.09	EX Tub Inlet	
RS-16	IN 6341-007	15+39.13	LT-17.96	EX Tub Inlet	
RS-17	IN 6341-009	19+12.31	LT-30.30	EX Tub Inlet	
SCHENK ST					
RS-18	IN 6340-009	52+96.80	RT-14.41	EX Tub Inlet	
RS-19	IN 6340-008	53+02.98	RT-14.43	EX Tub Inlet	
RS-20	IN 6340-010A	53+00.12	LT-14.71	EX Double Tub Inlet (2)	
RS-21	IN 6342-033	33+07.47	LT-17.78	EX Tub Inlet	
RS-22	IN 6342-018	33+12.05	RT-33.35	EX Tub Inlet	
RS-23	IN 6342-017	33+44.93	RT-34.38	EX Tub Inlet	
RS-24	IN 6342-016	36+26.38	LT-17.68	EX Tub Inlet	
RS-25	IN 6342-015	36+27.27	RT-35.90	EX Tub Inlet	
RS-26	IN 6342-014	36+59.72	RT-33.76	EX Tub Inlet	
RS-27	AS 6342-006	38+36.85	LT-29.02	5'x7' SAS	

STORM SEWER ULOS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RICHARD ST				
* ULO1	12+45.34	LT-24.97	3" GAS PVC	TOP @ 852.77, STM ADJUSTED TO AVOID CONFLICT
* ULO2	13+03.74	LT-30.10	3" GAS STEEL	TOP @ 852.68, STM ADJUSTED TO AVOID CONFLICT
SCHENK ST				
* ULO3	39+88.39	RT-17.67	3" GAS PVC	TOP @ 855.48, STM ADJUSTED TO AVOID CONFLICT
* ULO4	52+93.30	RT-16.77	3" GAS PVC	TOP @ 853.21, STM ADJUSTED TO AVOID CONFLICT
* ULO5	39+23.45	RT-17.45	3" GAS PVC	TOP @ 854.31, MGE TO RELOCATE SERVICE
* ULO6	36+01.30	RT-17.62	3" GAS PVC	TOP @ 853.25, STM ADJUSTED TO AVOID CONFLICT
* ULO7	32+88.55	RT-19.29	3" GAS PVC	TOP @ 851.61, STM ADJUSTED TO AVOID CONFLICT
* ULO6A	36+26.98	RT-19.71	3" GAS PVC	(4)
* ULO6B	36+30.73	RT-39.98	3" GAS PVC	(4)
* ULO7A	33+11.59	RT-19.24	3" GAS PVC	(4)
* ULO7B	33+45.65	RT-42.47	3" GAS PVC	(4)

ULO12 UNDIST

SPECIFIC NOTES

- (1) MODIFY EXISTING ROOF; INSTALL R-1550-0054 CASTING
- (2) PAID AS TWO (2) INLET REMOVALS
- (3) SEE BID ITEM 90032
- (4) AT INSPECTORS DISCRETION - STM WAS ADJUSTED TO AVOID POTENTIAL CONFLICT

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RICHARD ST							
RP-2	RS-1	RS-2	15	12"	VP	N	
RP-3	RS-1	RS-3	6	12"	VP	N	
RP-4	RS-1	RS-4	17	12"	VP	Y	
RP-5	RS-1	RS-5	49	12"	VP	Y	
RP-6	RS-1	RS-6	58	12"	VP	Y	
RP-7	RS-1	RS-7	62	12"	VP	Y	
RP-8	RS-1	RS-8	54	12"	VP	Y	
RP-10	RS-9	RS-10	8	12"	VP	N	
RP-11	RS-9	RS-11	6	12"	VP	N	
RP-12	RS-9	RS-12	39	18"	RCP	Y	
RP-13	RS-9	RS-13	44	12"	VP	Y	
RP-14	RS-10	RS-14	60	12"	VP	Y	
RP-15	RS-11	RS-15	69	12"	VP	Y	
RP-16	RS-9	RS-16	66	12"	VP	Y	
RP-17	AS-5	RS-17	57	12"	VP	Y	PLUG AT AS-5
SCHENK ST							
RP-18	AS-2	RS-18	9	12"	VP	Y	
RP-19	AS-2	RS-19	9	12"	VP	Y	
RP-20A	AS-2	RS-20	28	12"	VP	Y	
RP-20B	AS-2	RS-20	27	12"	VP	Y	
RP-21	AS-3	RS-21	4	12"	VP	N	
RP-22	AS-3	RS-22	55	12"	VP	N	
RP-23	AS-3	RS-23	68	12"	VP	Y	
RP-24	AS-5	RS-24	7	12"	VP	N	
RP-25	AS-5	RS-25	60	12"	VP	N	
RP-26	AS-5	RS-26	68	12"	VP	Y	

STORM SEWER ABANDONMENTS

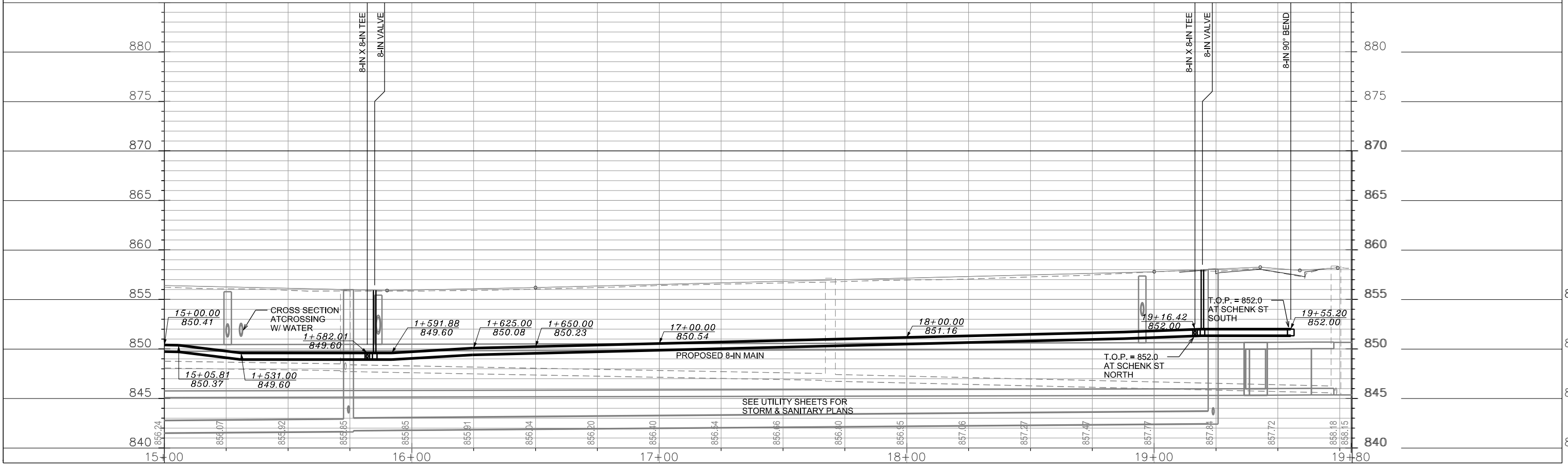
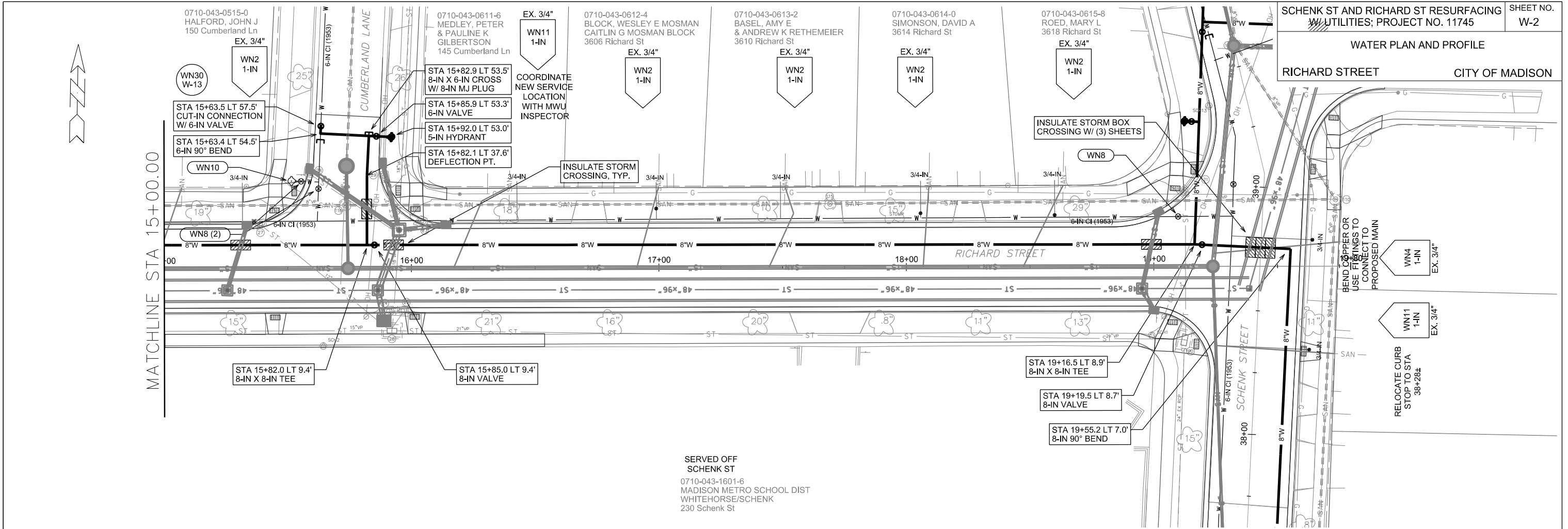
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
AP-1	RS-9	RS-1	305	15"	RCP	Y	ABANDON W/ PIPE PLUGS
AP-2	AS-5	RS-9	317	21"	RCP	Y	ABANDON W/ PIPE PLUGS

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	ID NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	NOTES
EX S-1	IN 6242-049	10+24.64	RT-9.64	-	EX 4' x 8' BOX END TO BE REMOVED (3)
AS-2	AS 6340-007	52+98.81	RT-25.24	858.13	(1)
AS-3	AS 6342-008	33+06.49	LT-24.92	855.13	(1)
AS-4	AS 6342-007	36+24.82	LT-26.38	856.89	(1)
* AS-5	AS 6342-006	38+36.85	LT-29.02	857.79	(1) SEE RS-27

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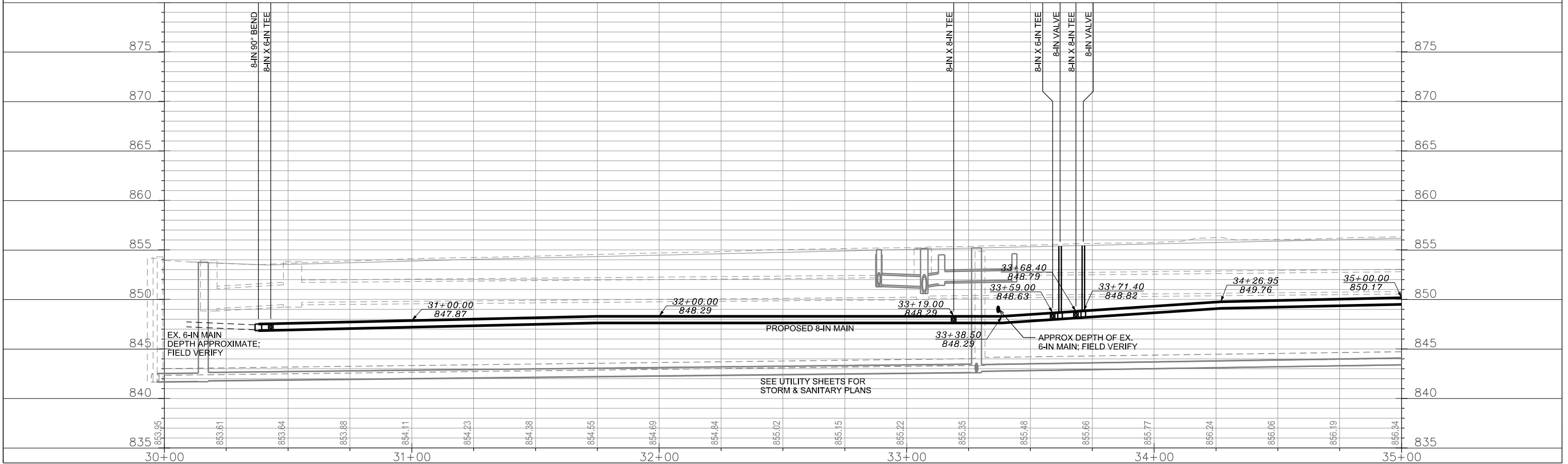
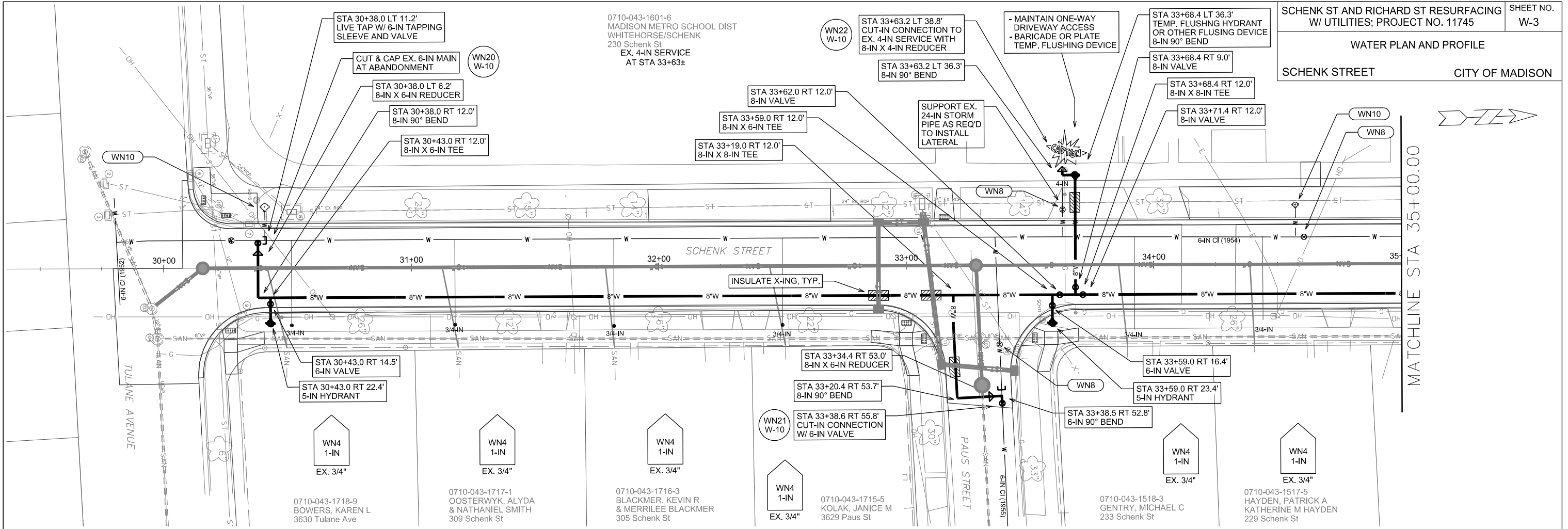


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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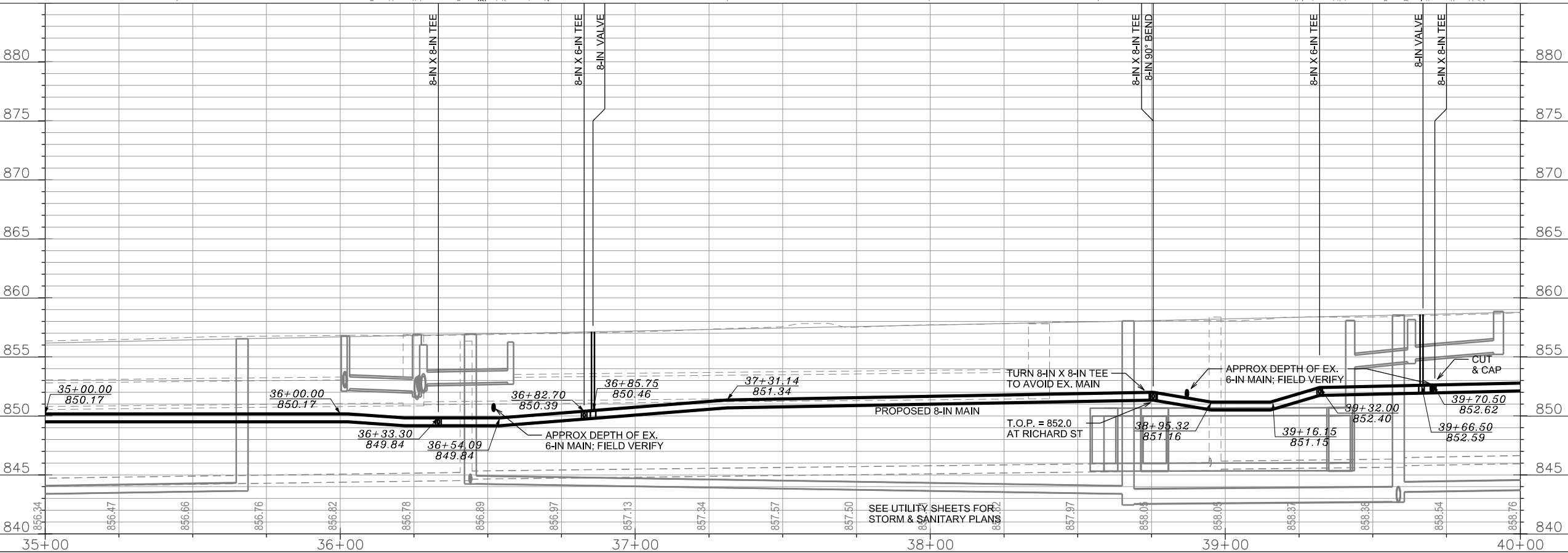
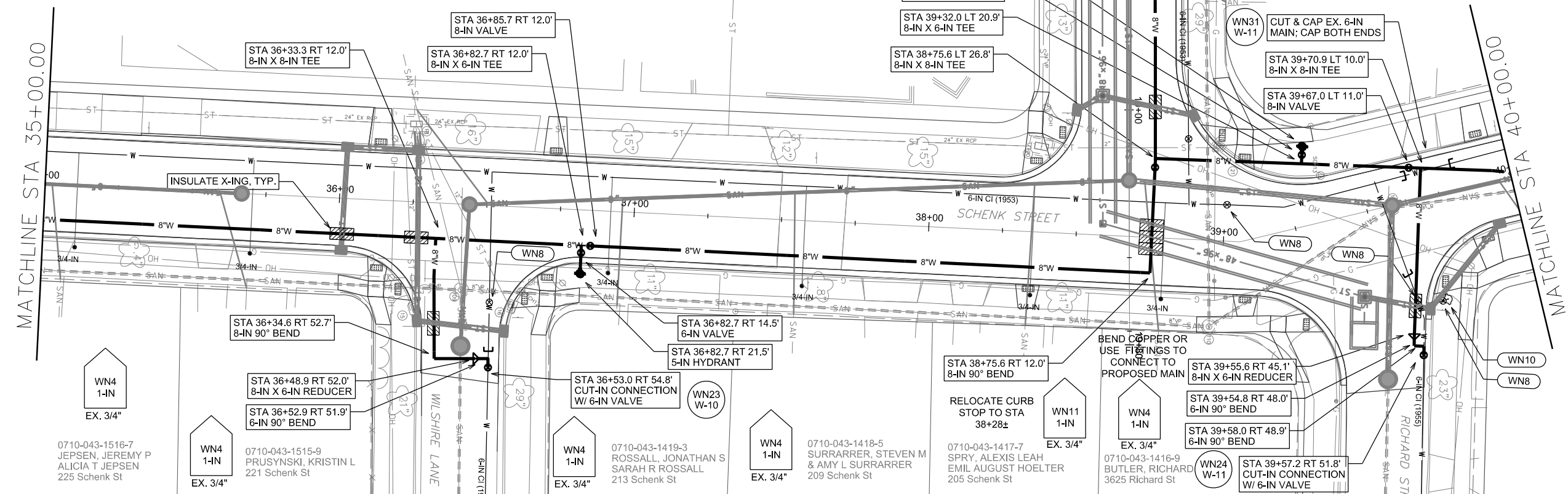
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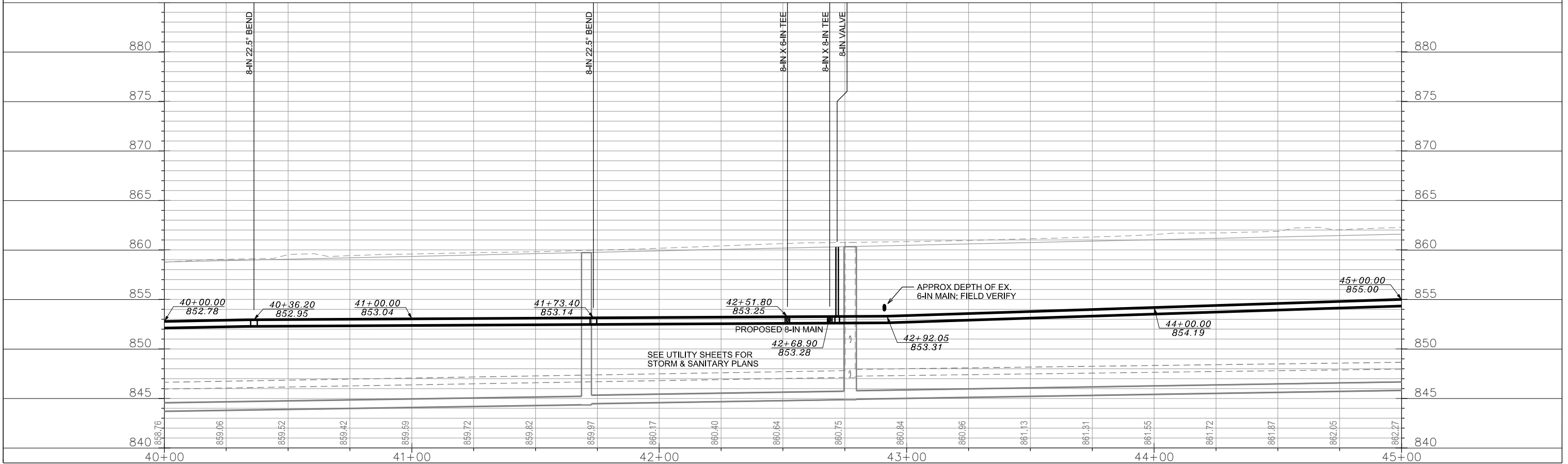
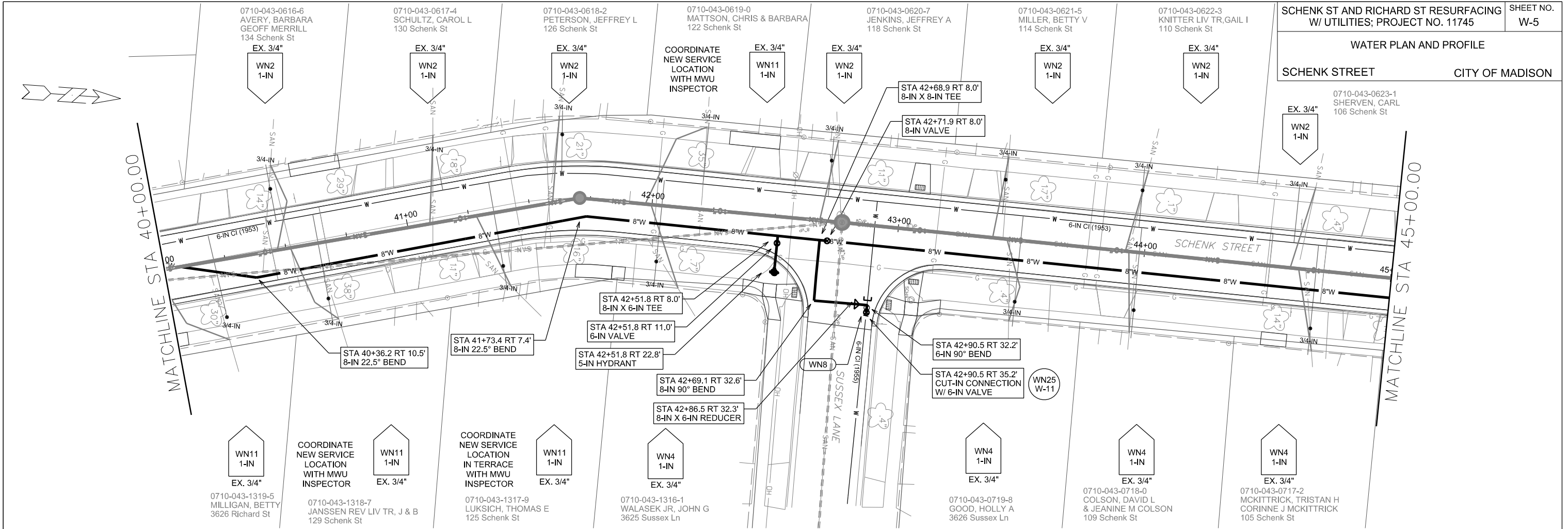
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0710-043-1601-6
 MADISON METRO SCHOOL DIST
 WHITEHORSE/SCHENK
 230 Schenk St
 EX. 4-IN SERVICE
 AT STA 33+63±

0710-043-0615-8
 ROED, MARY L
 3618 Richard St

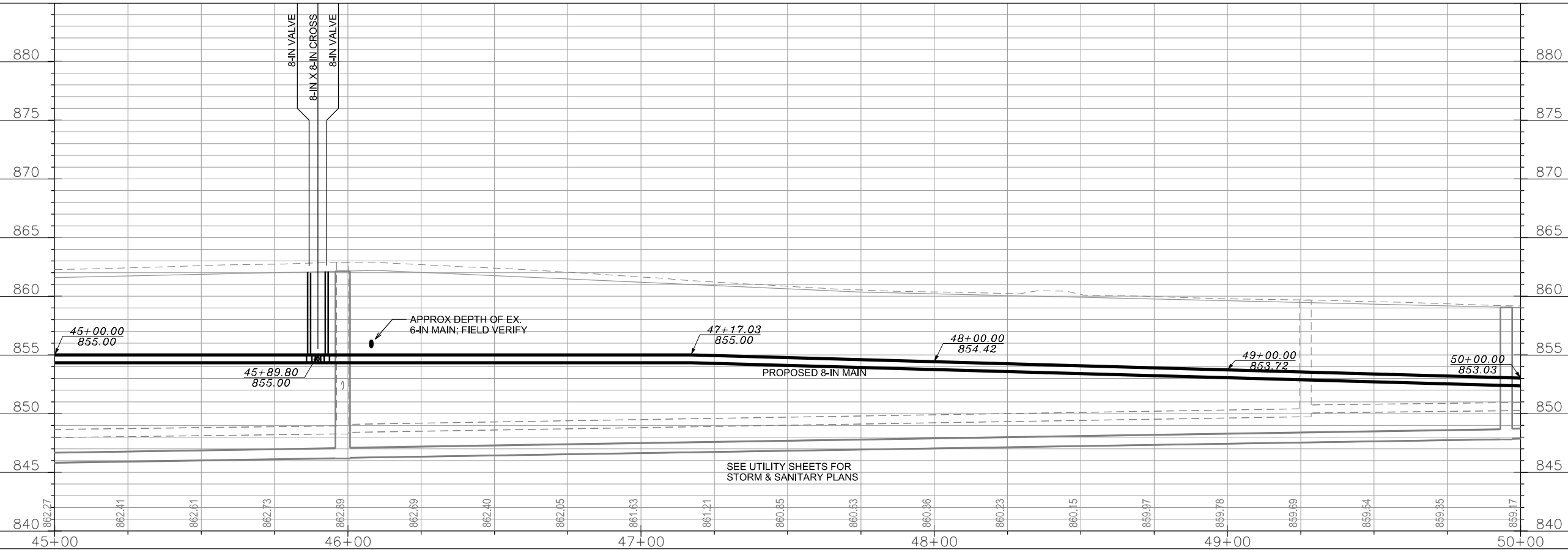
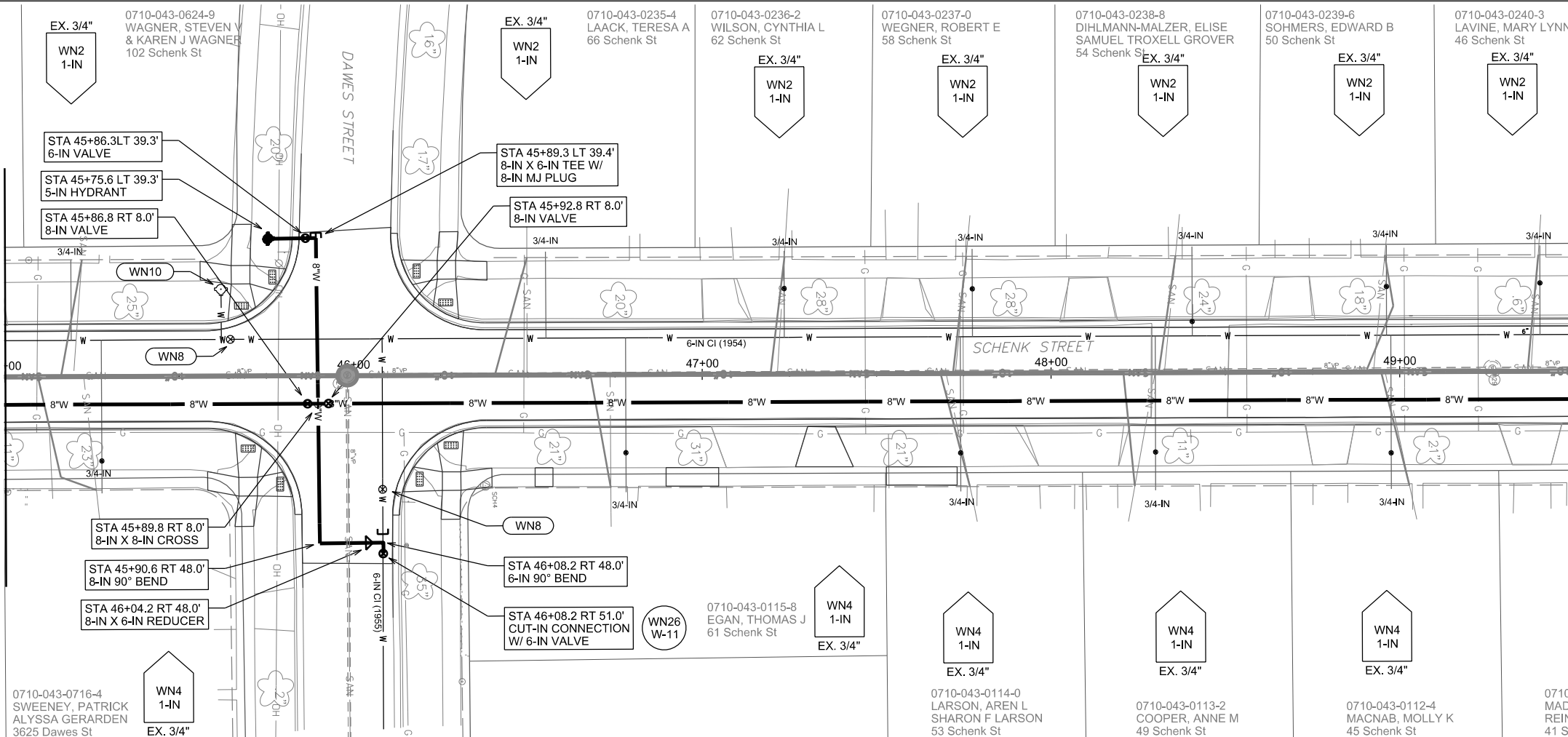


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PLOT SCALE: PLOT NAME: REV. DATE: ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0710-043-0241-1
FREY, JENNIFER L
42 Schenk St
COORDINATE
NEW SERVICE
LOCATION
WITH MWU
INSPECTOR



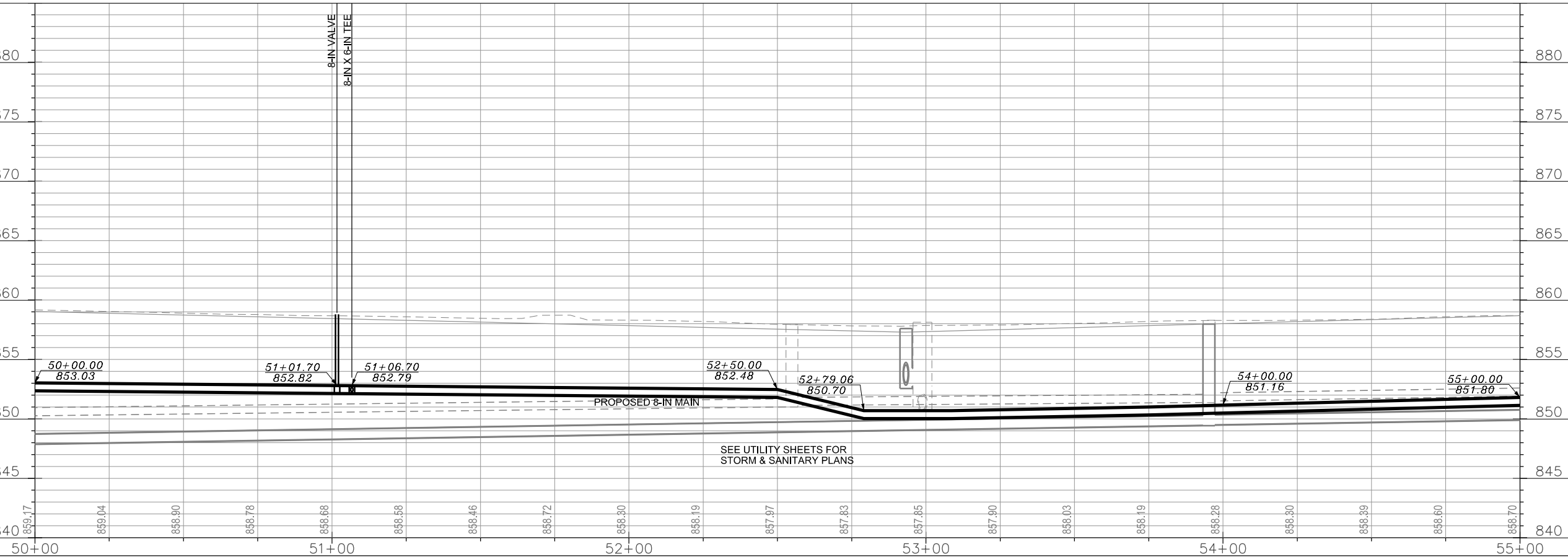
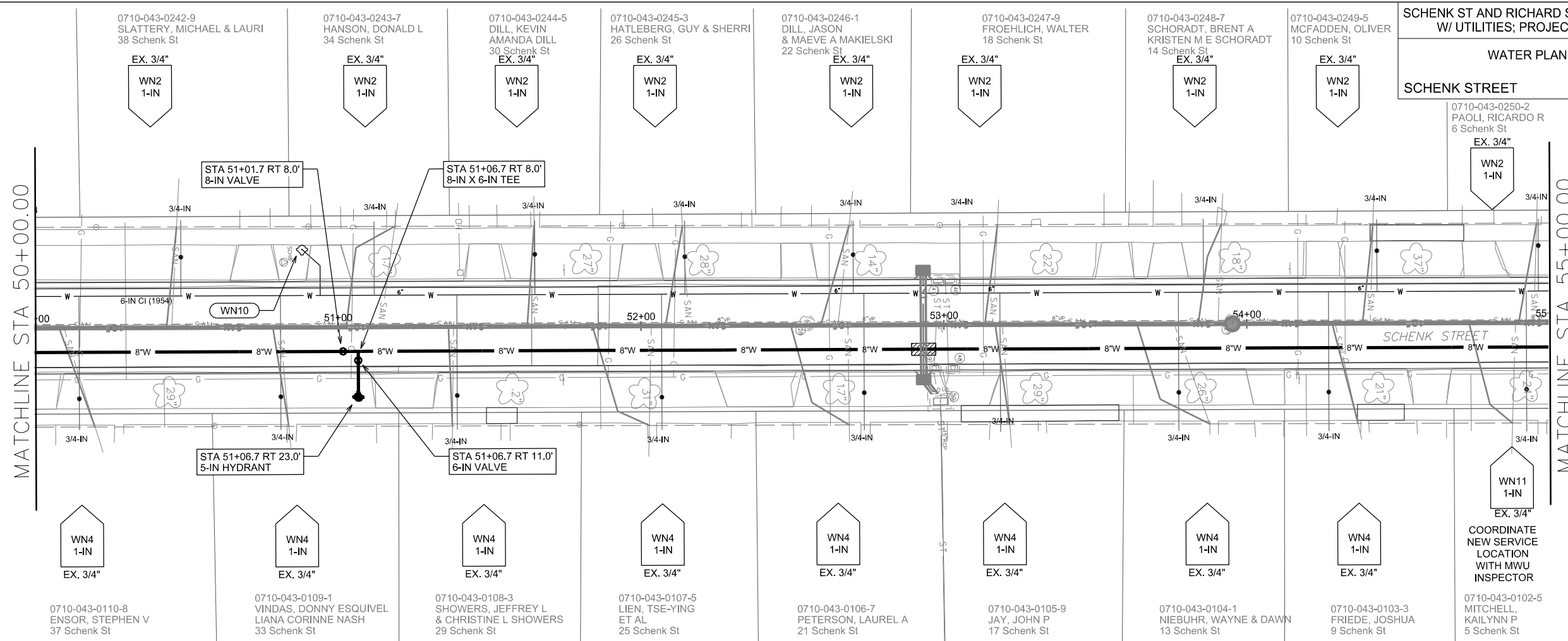
SEE UTILITY SHEETS FOR STORM & SANITARY PLANS

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

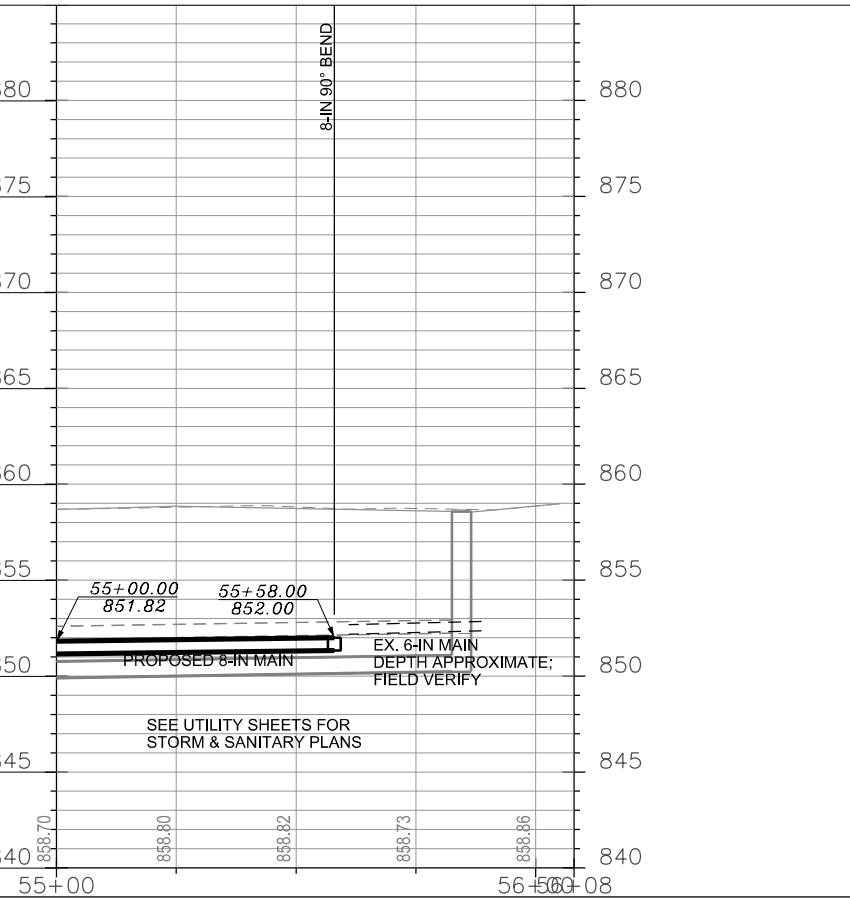
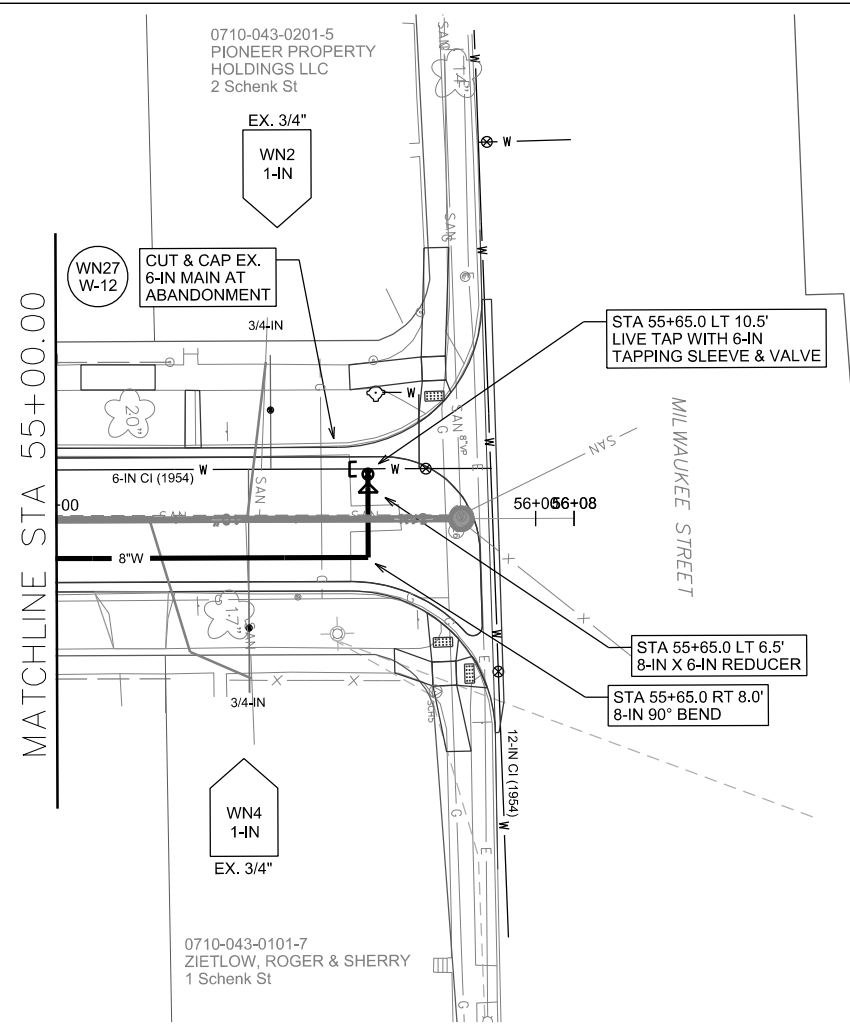


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PLOT NAME:

REV. DATE:

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PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN OVERVIEW
RICHARD ST & SCHENK ST CITY OF MADISON

SCALE: 1:300



— EXISTING WATER MAIN
- - - PROPOSED WATER MAIN

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WN23 W-4
 CUT-IN CONNECTION WILSHIRE AT SCHENK
 ISOLATION VALVES:
 - V-5 (6" WILSHIRE AT SCHENK)
 - V-4162 (6" WILSHIRE AT BUCKINGHAM)

**WHITEHORSE MIDDLE SCHOOL
 SCHENK ELEMENTARY SCHOOL**

WN22 W-3
 CUT-IN CONNECTION SCHENK AT WITEHORSE/
 SCHENK SCHOOL
 ISOLATION VALVES:
 - SV-7 (4" 230 SCHENK)
 - NEW 8" (230 SCHENK)

FOR ALL OUTAGES TO SCHENK / WHITEHORSE SCHOOLS:

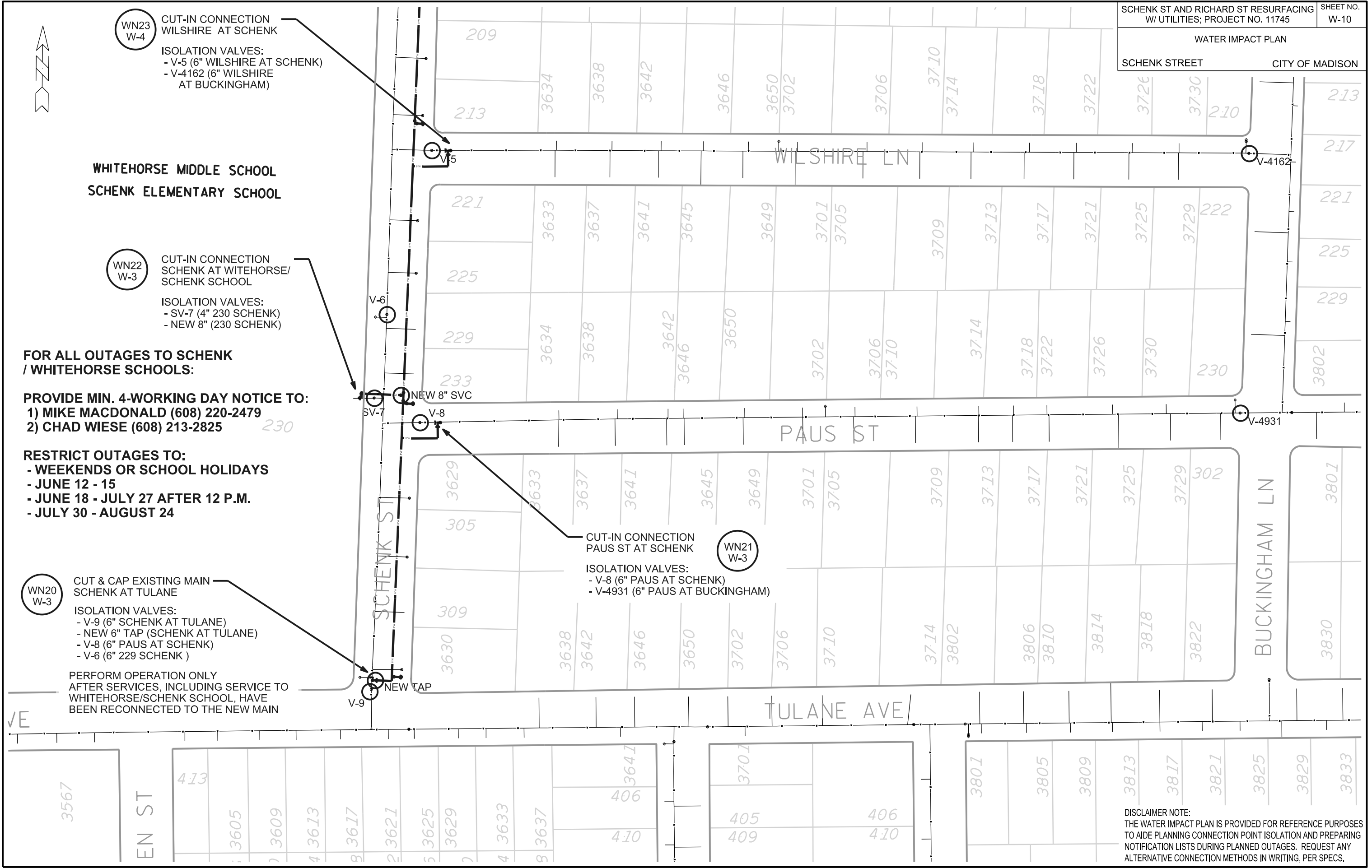
PROVIDE MIN. 4-WORKING DAY NOTICE TO:
 1) MIKE MACDONALD (608) 220-2479
 2) CHAD WIESE (608) 213-2825

RESTRICT OUTAGES TO:
 - WEEKENDS OR SCHOOL HOLIDAYS
 - JUNE 12 - 15
 - JUNE 18 - JULY 27 AFTER 12 P.M.
 - JULY 30 - AUGUST 24

WN20 W-3
 CUT & CAP EXISTING MAIN SCHENK AT TULANE
 ISOLATION VALVES:
 - V-9 (6" SCHENK AT TULANE)
 - NEW 6" TAP (SCHENK AT TULANE)
 - V-8 (6" PAUS AT SCHENK)
 - V-6 (6" 229 SCHENK)

PERFORM OPERATION ONLY AFTER SERVICES, INCLUDING SERVICE TO WHITEHORSE/SCHENK SCHOOL, HAVE BEEN RECONNECTED TO THE NEW MAIN

WN21 W-3
 CUT-IN CONNECTION PAUS ST AT SCHENK
 ISOLATION VALVES:
 - V-8 (6" PAUS AT SCHENK)
 - V-4931 (6" PAUS AT BUCKINGHAM)



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.

PLOT SCALE:

PLOT NAME:

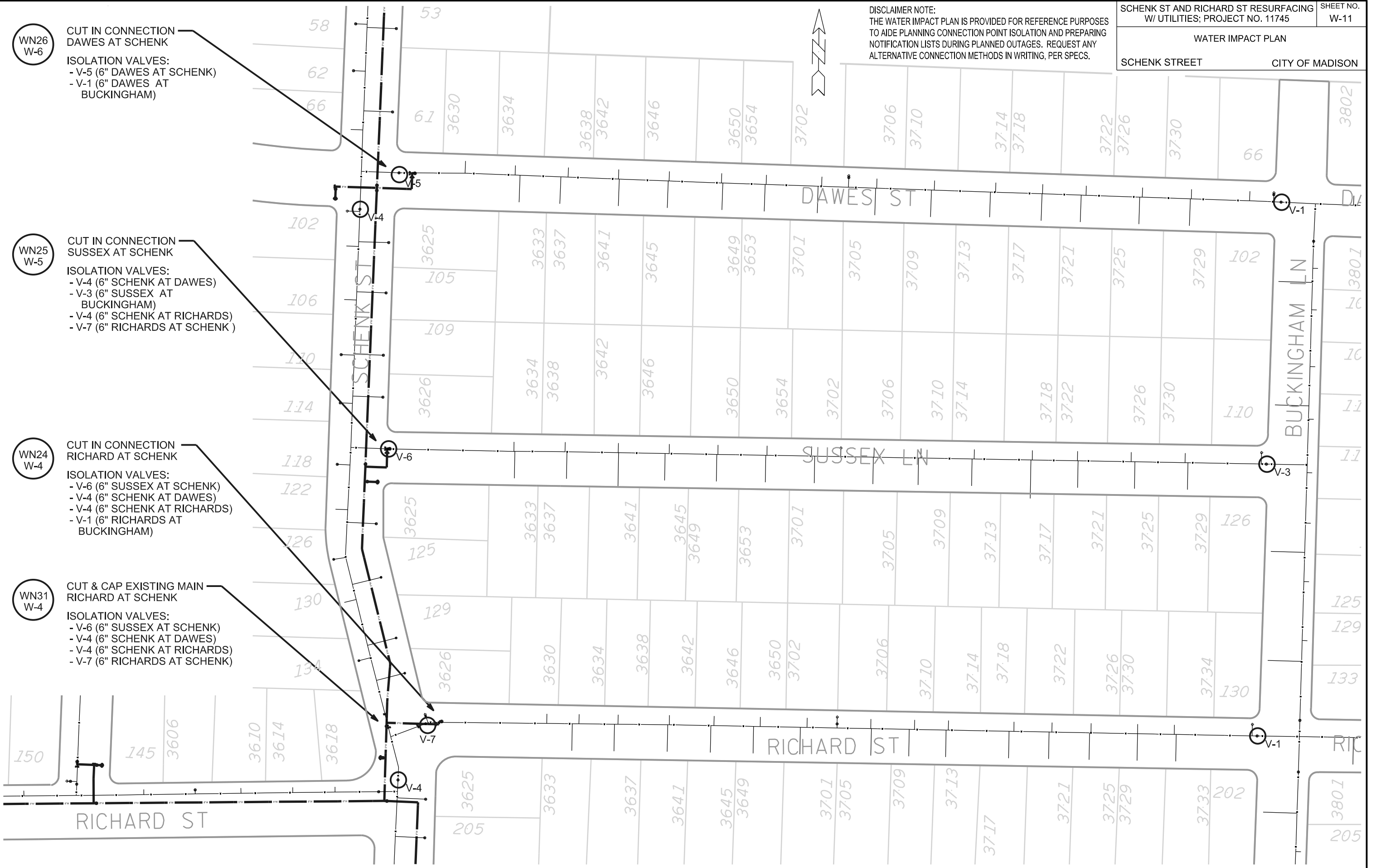
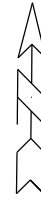
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

SCHENK STREET CITY OF MADISON

DISCLAIMER NOTE:
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WN26 W-6
CUT IN CONNECTION DAWES AT SCHENK
ISOLATION VALVES:
- V-5 (6" DAWES AT SCHENK)
- V-1 (6" DAWES AT BUCKINGHAM)

WN25 W-5
CUT IN CONNECTION SUSSEX AT SCHENK
ISOLATION VALVES:
- V-4 (6" SCHENK AT DAWES)
- V-3 (6" SUSSEX AT BUCKINGHAM)
- V-4 (6" SCHENK AT RICHARDS)
- V-7 (6" RICHARDS AT SCHENK)

WN24 W-4
CUT IN CONNECTION RICHARD AT SCHENK
ISOLATION VALVES:
- V-6 (6" SUSSEX AT SCHENK)
- V-4 (6" SCHENK AT DAWES)
- V-4 (6" SCHENK AT RICHARDS)
- V-1 (6" RICHARDS AT BUCKINGHAM)

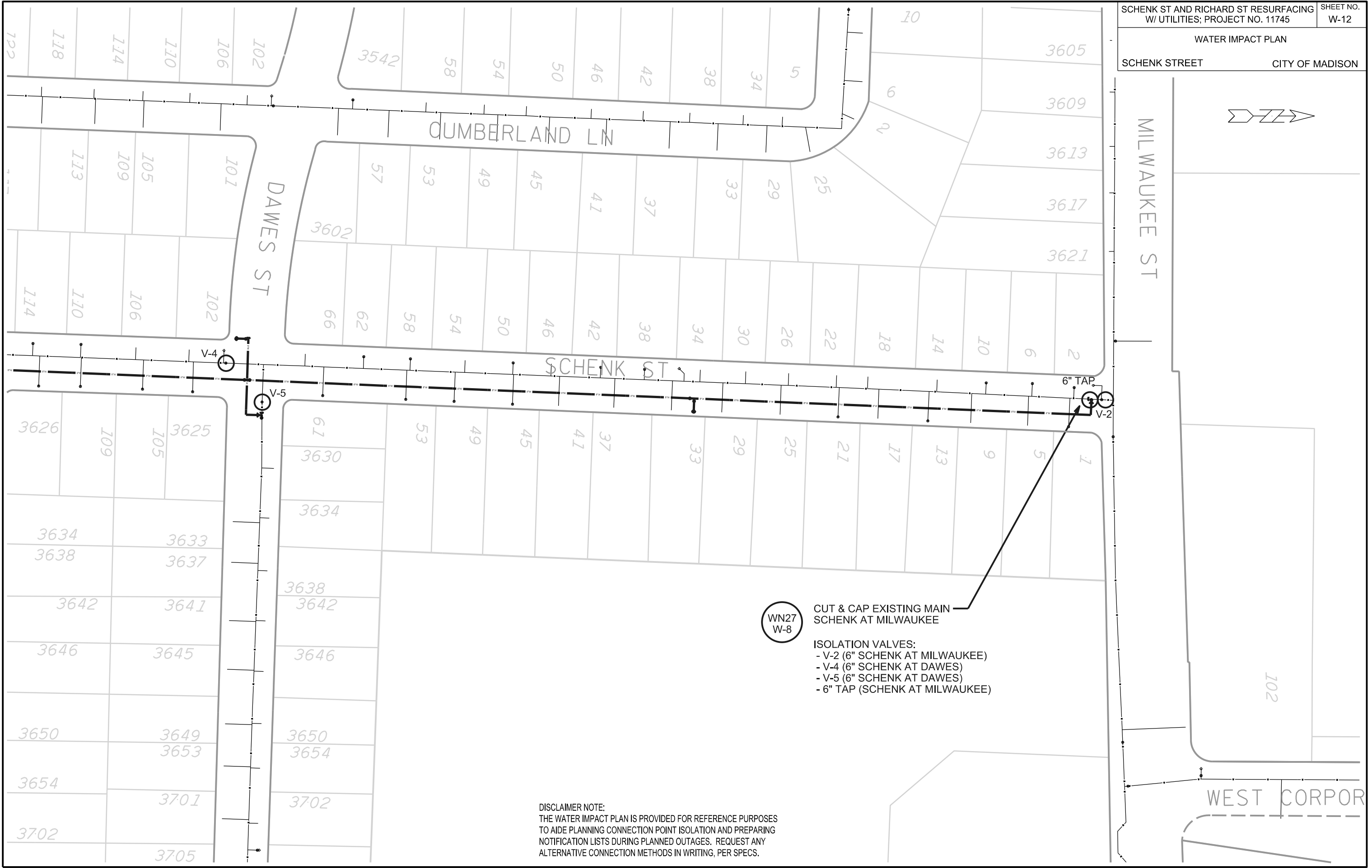
WN31 W-4
CUT & CAP EXISTING MAIN RICHARD AT SCHENK
ISOLATION VALVES:
- V-6 (6" SUSSEX AT SCHENK)
- V-4 (6" SCHENK AT DAWES)
- V-4 (6" SCHENK AT RICHARDS)
- V-7 (6" RICHARDS AT SCHENK)

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WN27
W-8

CUT & CAP EXISTING MAIN
SCHENK AT MILWAUKEE

- ISOLATION VALVES:
- V-2 (6" SCHENK AT MILWAUKEE)
 - V-4 (6" SCHENK AT DAWES)
 - V-5 (6" SCHENK AT DAWES)
 - 6" TAP (SCHENK AT MILWAUKEE)

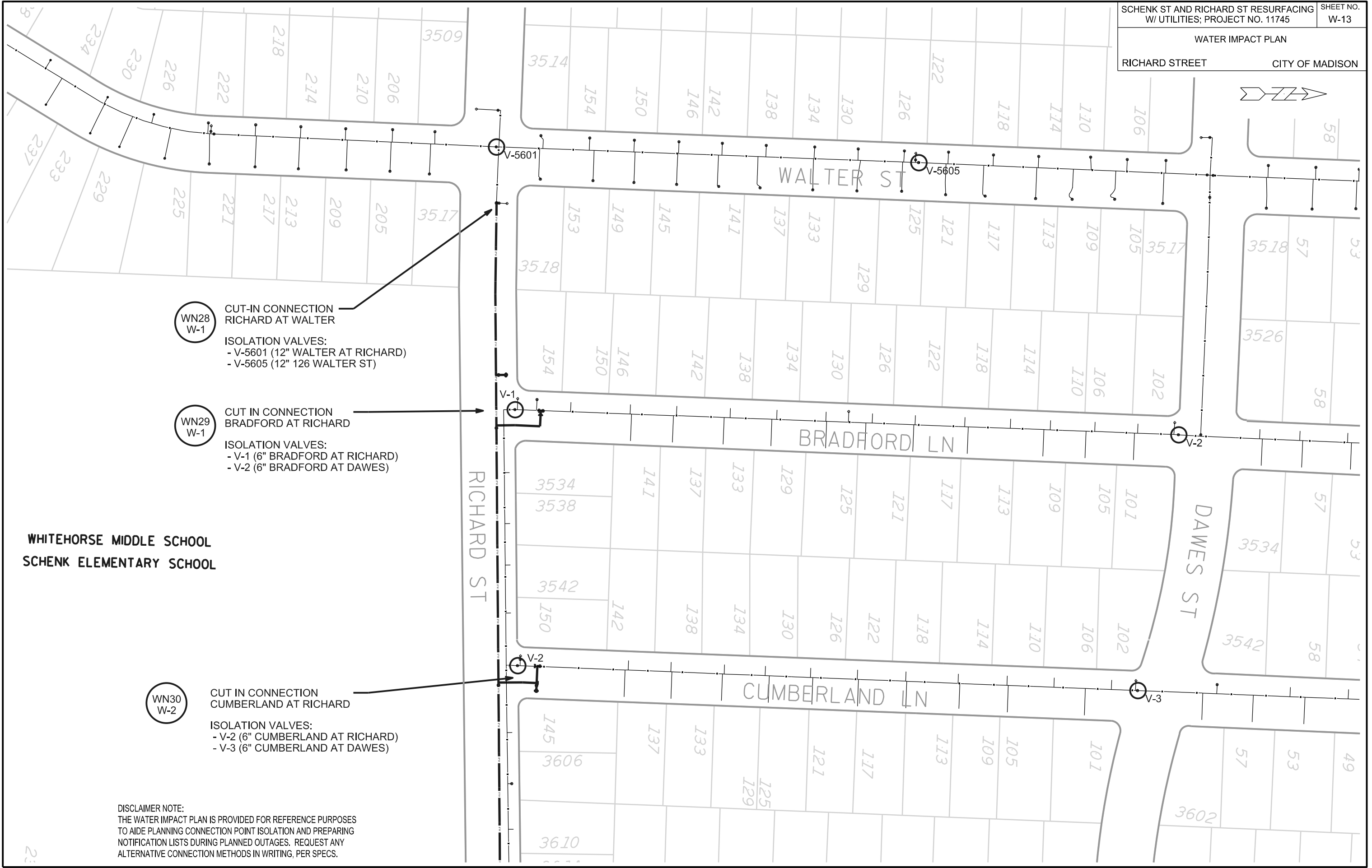
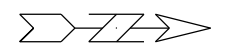
DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING
NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WN28 W-1
CUT-IN CONNECTION RICHARD AT WALTER
ISOLATION VALVES:
- V-5601 (12" WALTER AT RICHARD)
- V-5605 (12" 126 WALTER ST)

WN29 W-1
CUT IN CONNECTION BRADFORD AT RICHARD
ISOLATION VALVES:
- V-1 (6" BRADFORD AT RICHARD)
- V-2 (6" BRADFORD AT DAWES)

WN30 W-2
CUT IN CONNECTION CUMBERLAND AT RICHARD
ISOLATION VALVES:
- V-2 (6" CUMBERLAND AT RICHARD)
- V-3 (6" CUMBERLAND AT DAWES)

WHITEHORSE MIDDLE SCHOOL
SCHENK ELEMENTARY SCHOOL

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.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

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

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

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

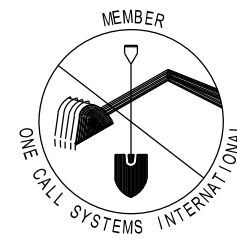
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- | | |
|-------------------------|------------------------------------|
| 210-FT - 6-IN PIPE | 8 - 6-IN 90° BEND |
| 3900-FT - 8-IN PIPE | 10 - 8-IN 90° BEND |
| 16 - 6-IN VALVE & BOX | 2 - 8-IN 22.5° BEND |
| 13 - 8-IN VALVE & BOX | 11 - 6-IN MJ CAP |
| 8 - 8-IN X 6-IN TEE | 2 - 8-IN MJ PLUG |
| 8 - 8-IN X 8-IN TEE | 8 - 5-IN HYDRANT |
| 1 - 8-IN X 6-IN CROSS | 144-FT - 2-IN STYROFOAM INSULATION |
| 1 - 8-IN X 8-IN CROSS | 4700-FT - POLY WRAP |
| 1 - 8-IN X 4-IN REDUCER | 1-IN TO 2-IN COPPER (AS REQ'D) |
| 8 - 8-IN X 6-IN REDUCER | |

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

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

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



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

MATERIALS SUPPLIED BY CITY:

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

- 2 - 6-IN TAPPING SLEEVE
- 2 - 6-IN TAPPING VALVE

ESTIMATE OF REUSED MATERIALS:

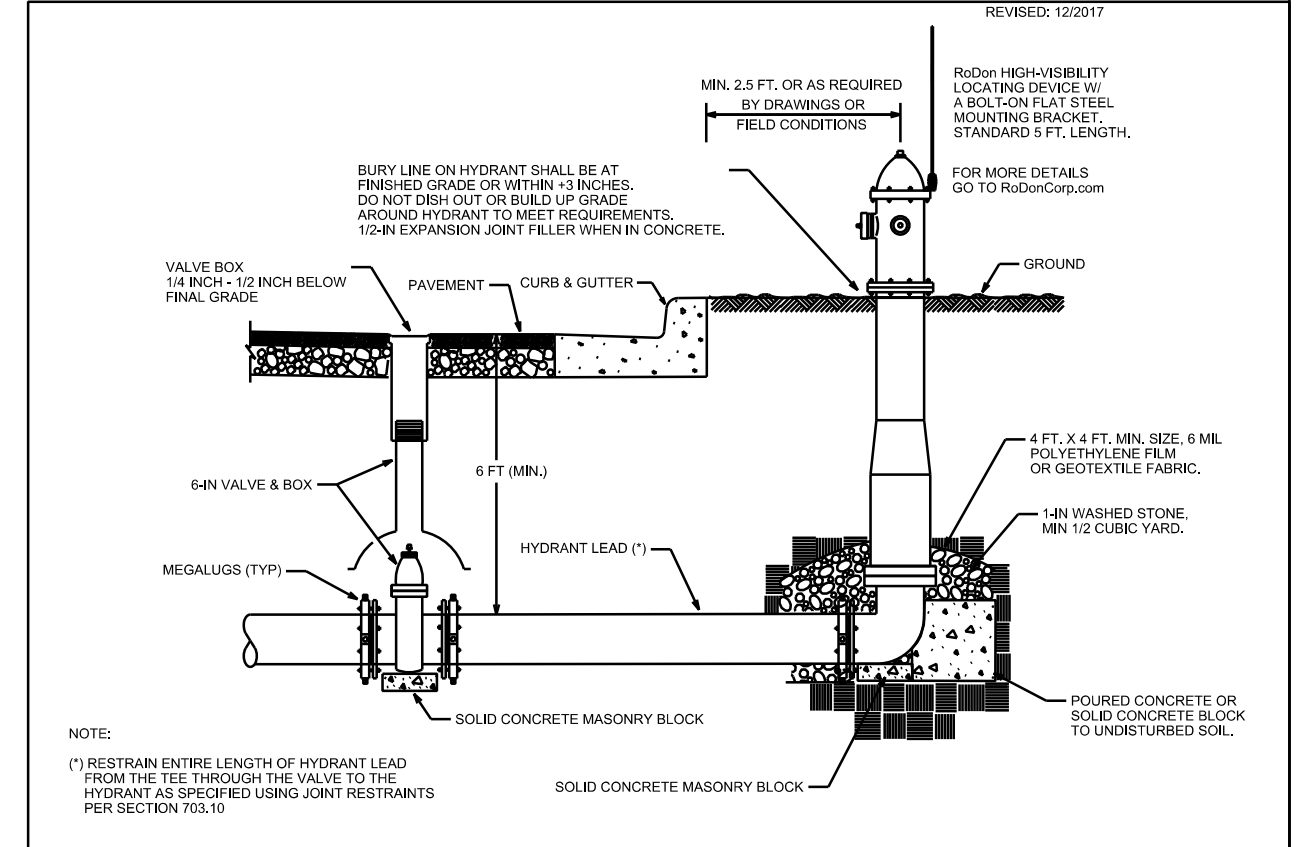
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 1- 5-IN HYDRANT

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2017



CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

PLOT SCALE:

PLOT NAME:

REV. DATE:

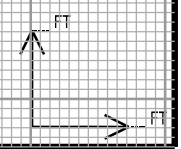
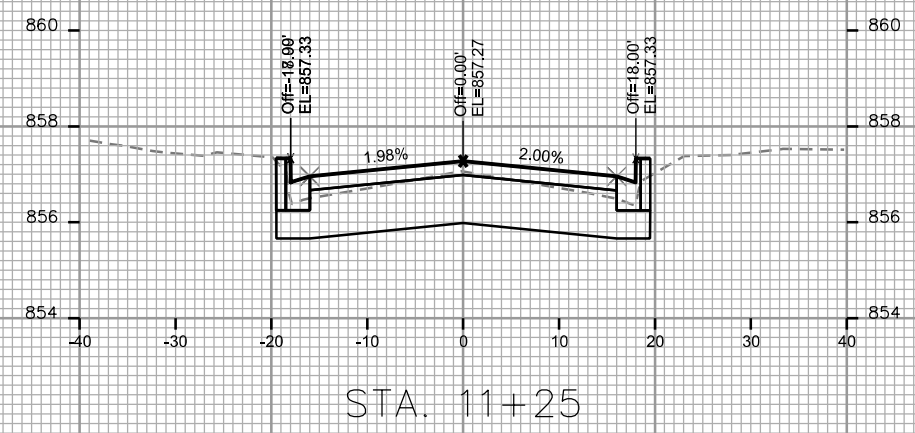
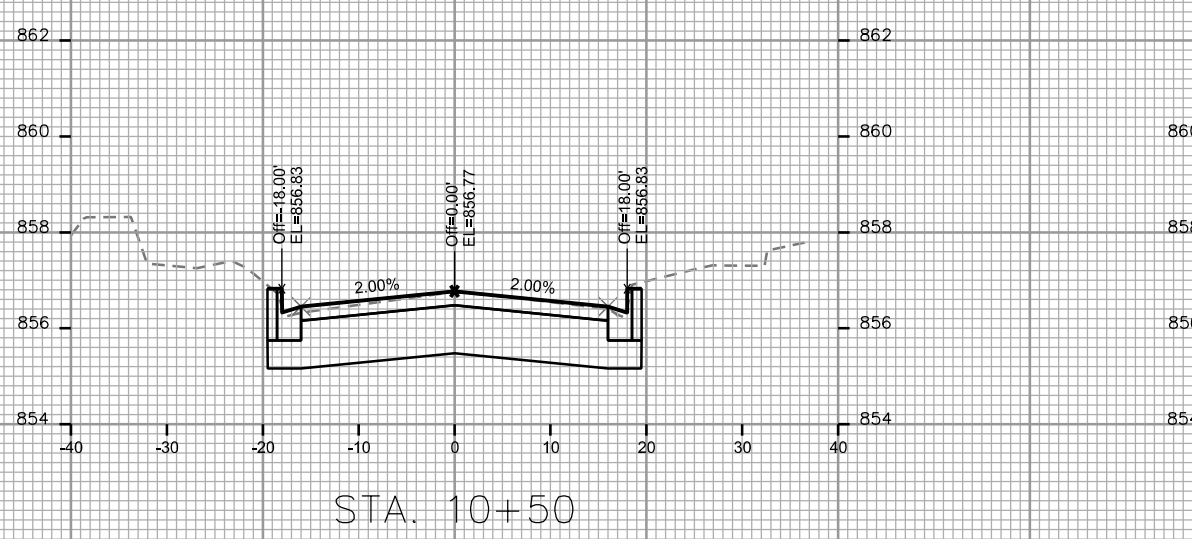
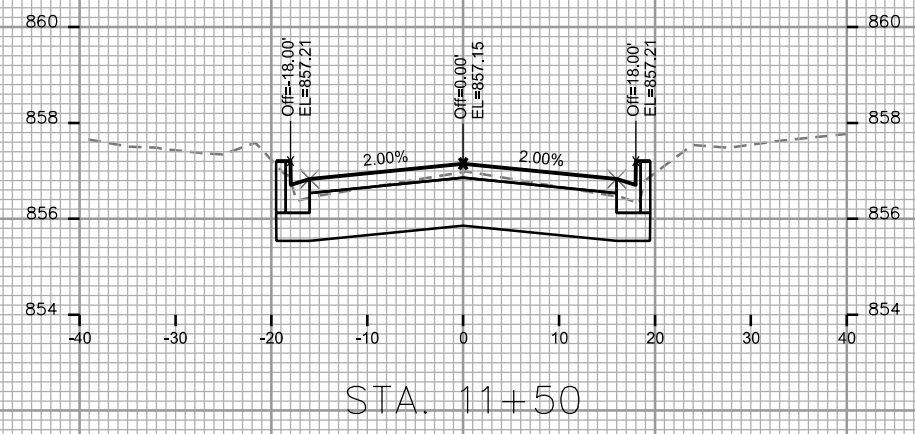
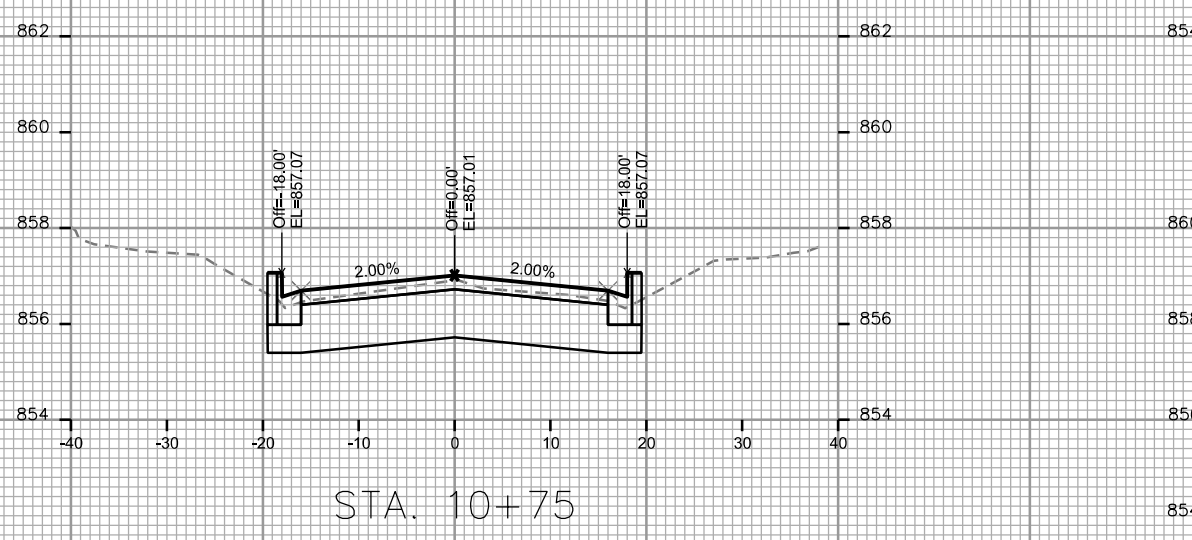
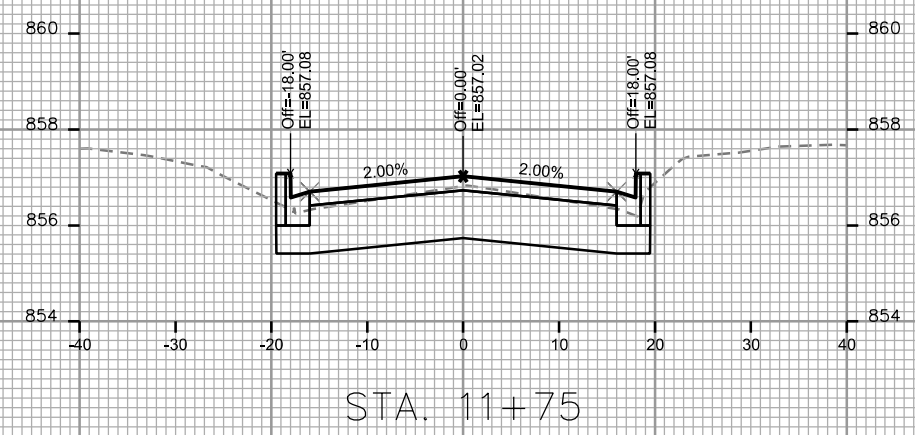
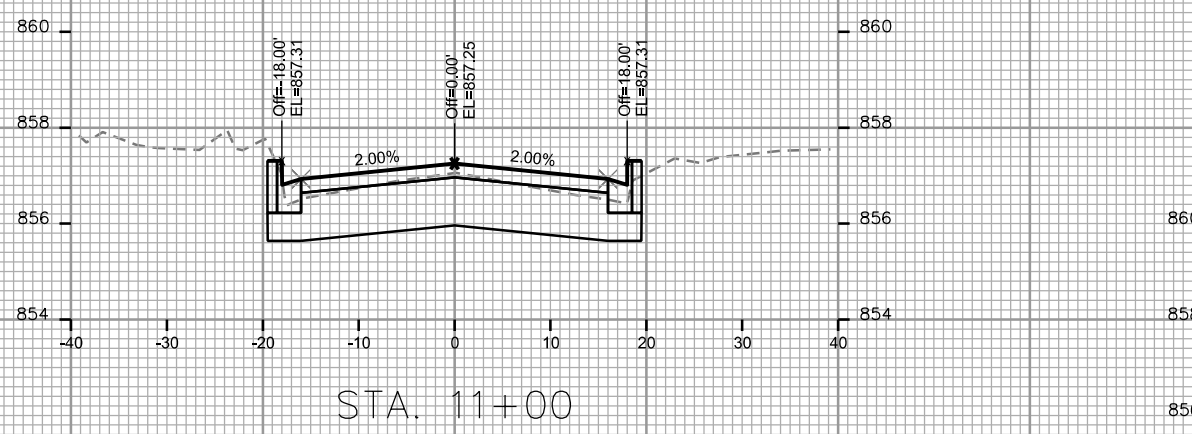
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

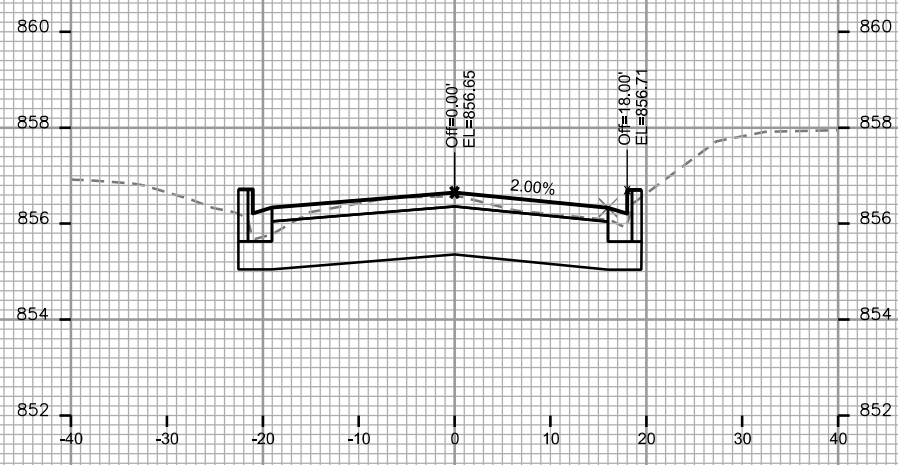
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PLOT NAME: _____

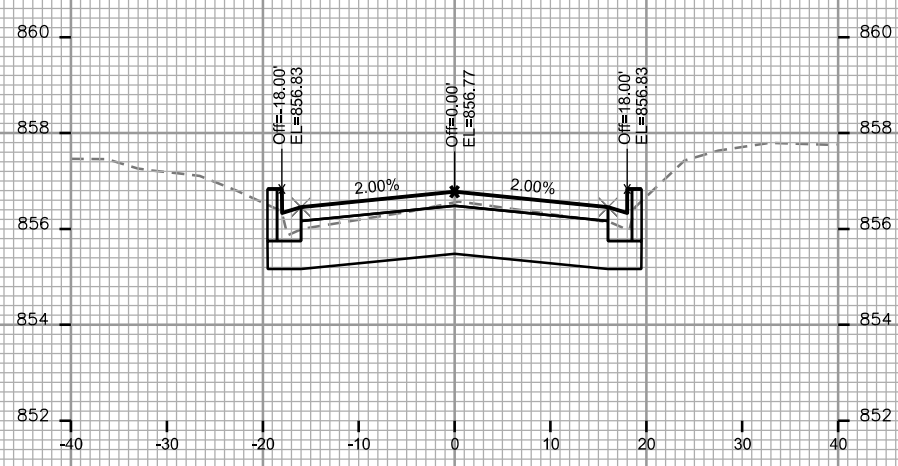
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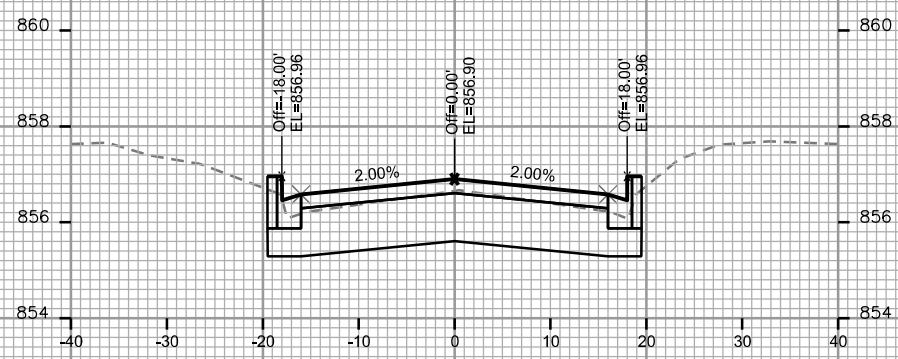




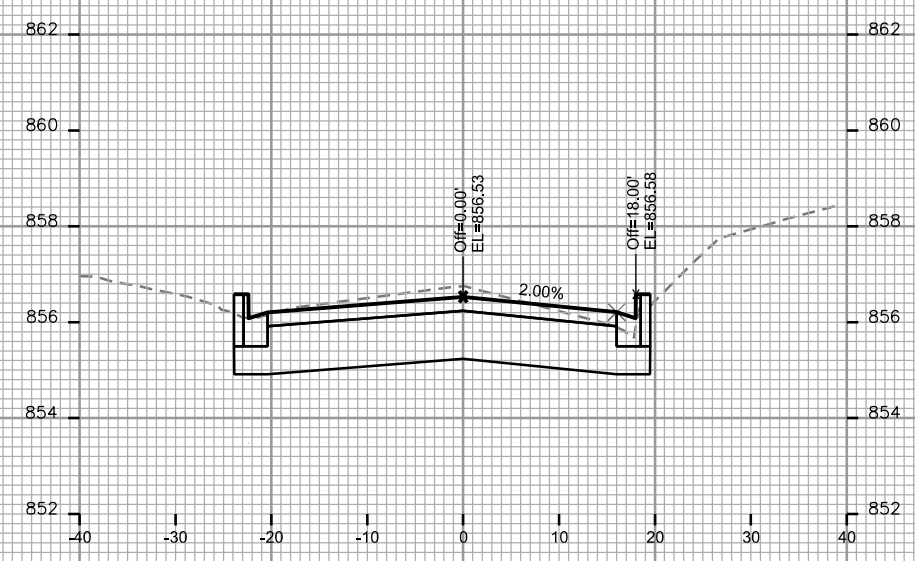
STA. 12+50



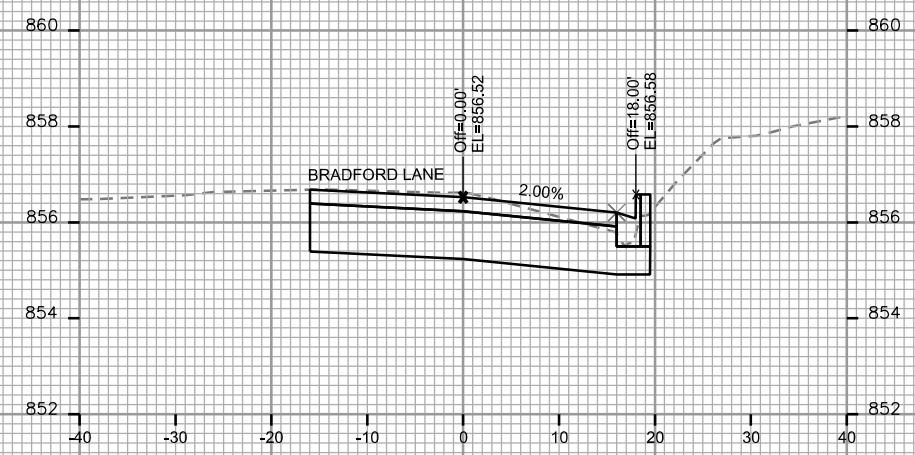
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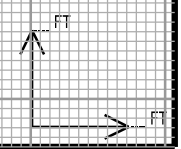
STA. 12+00



STA. 13+00



STA. 12+75



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

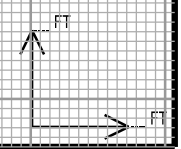
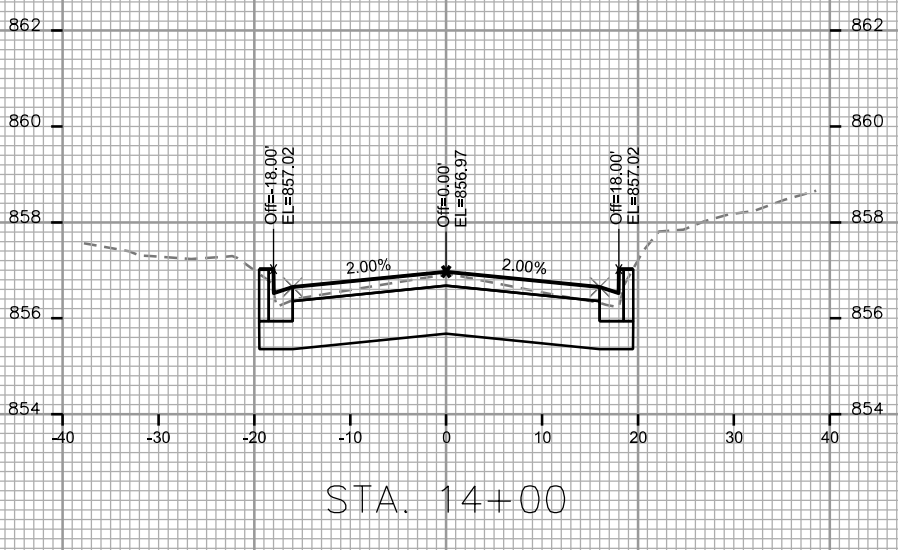
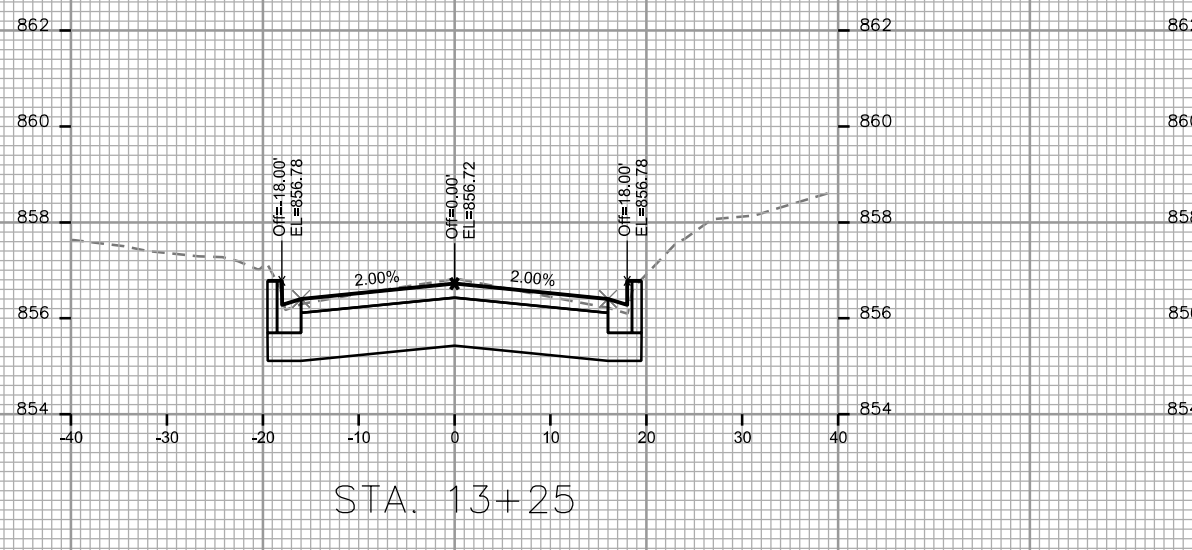
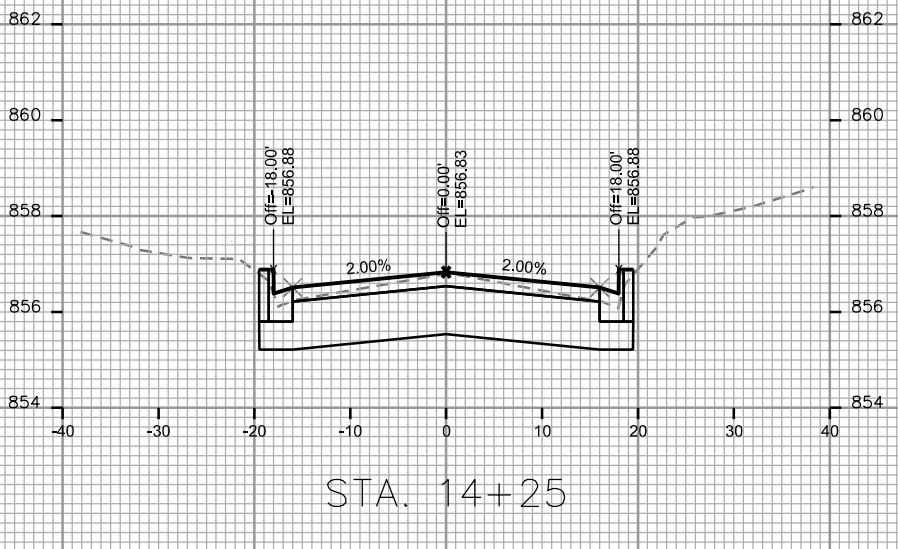
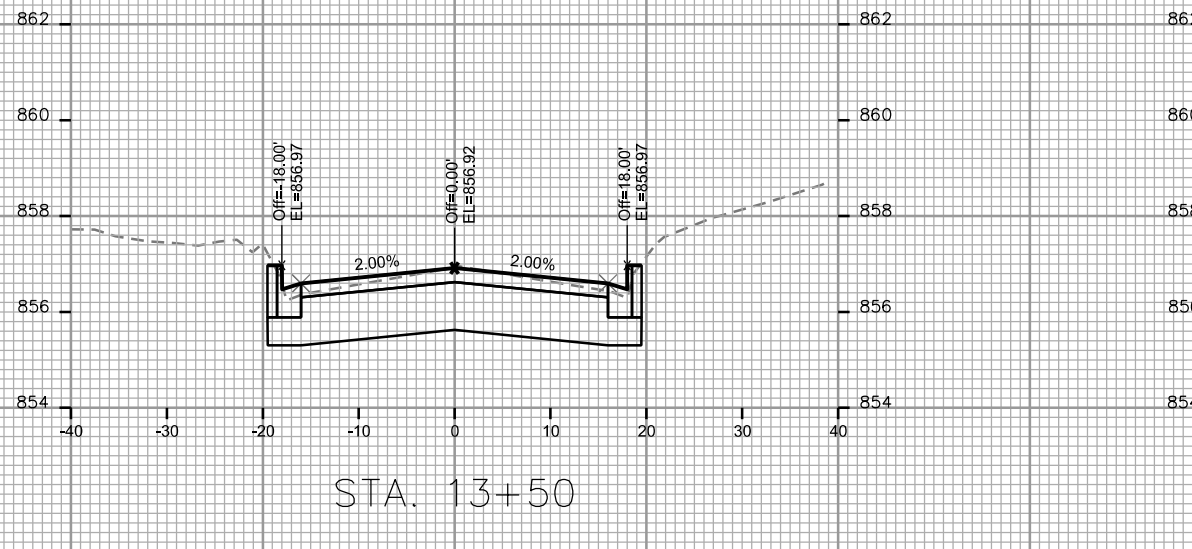
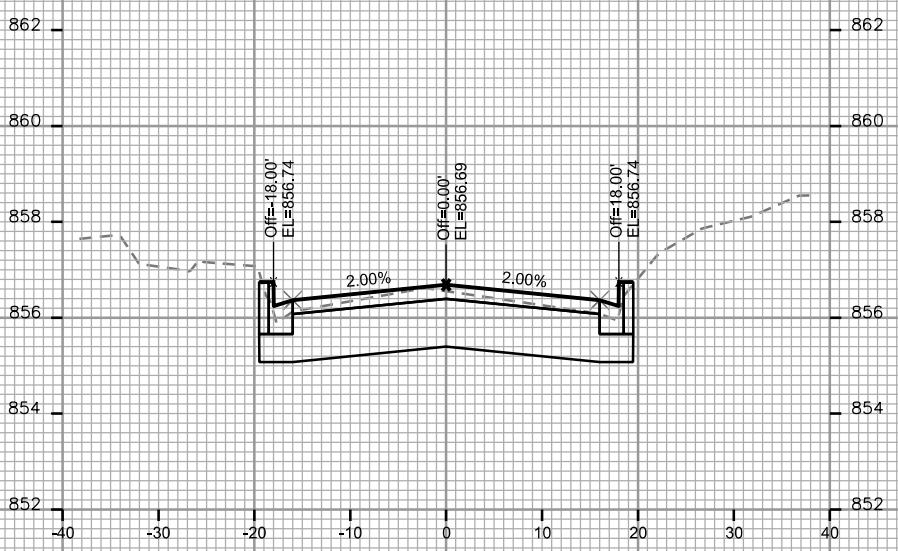
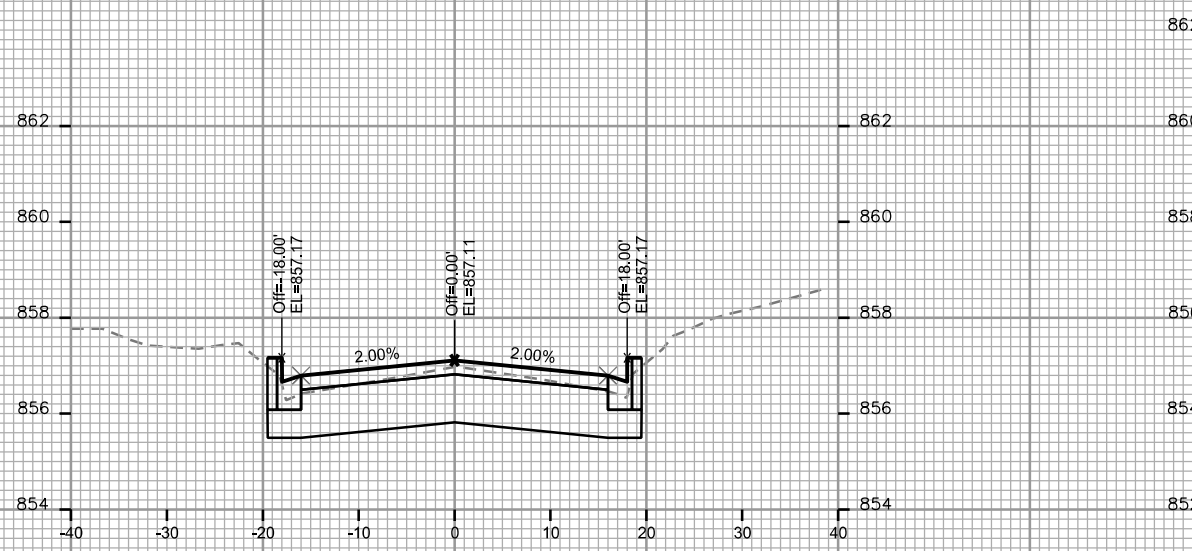
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON STREETS DIVISION

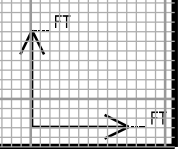
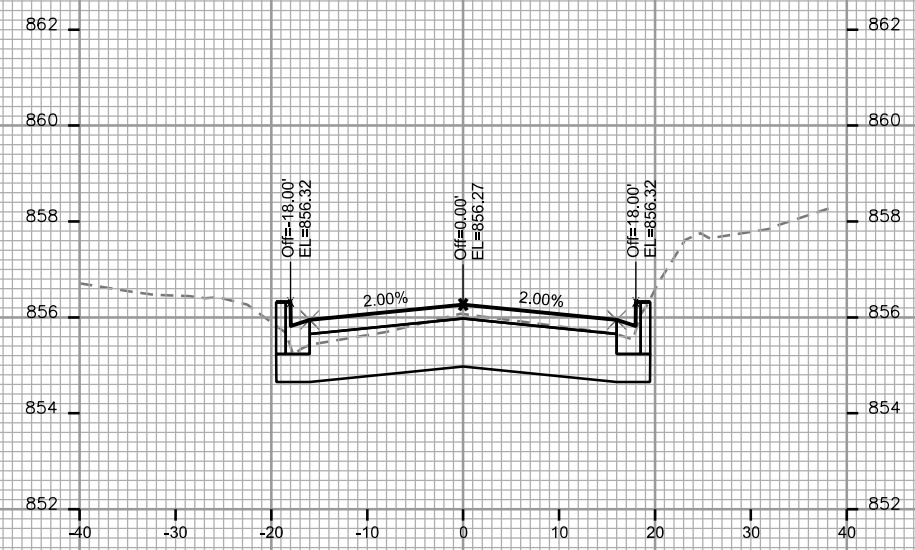
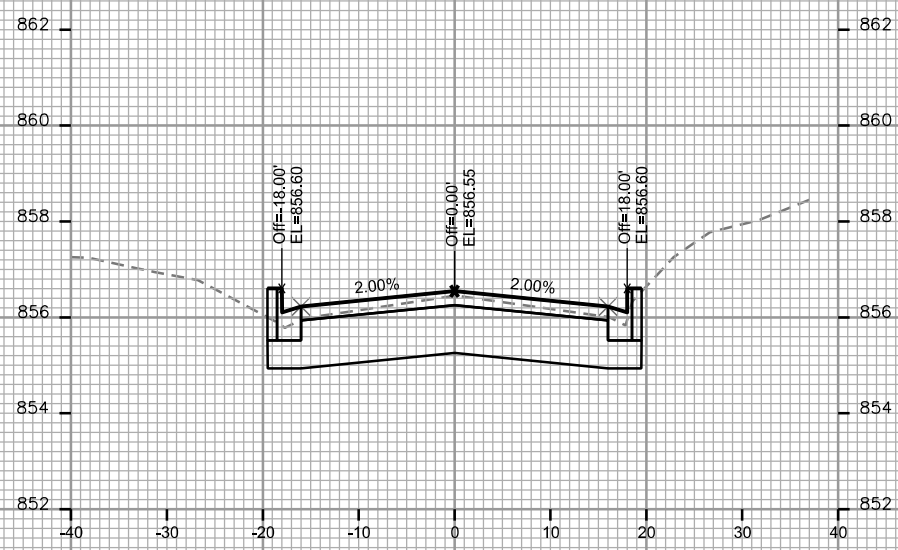
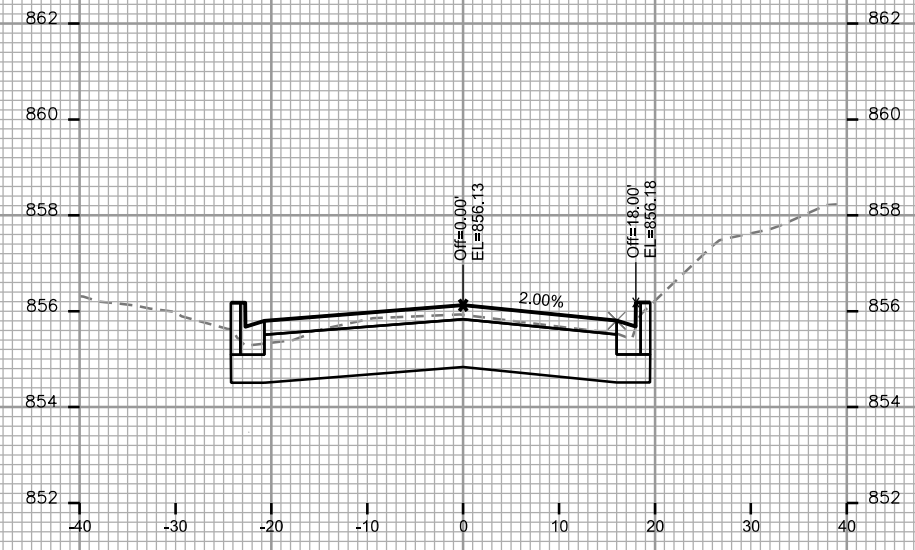
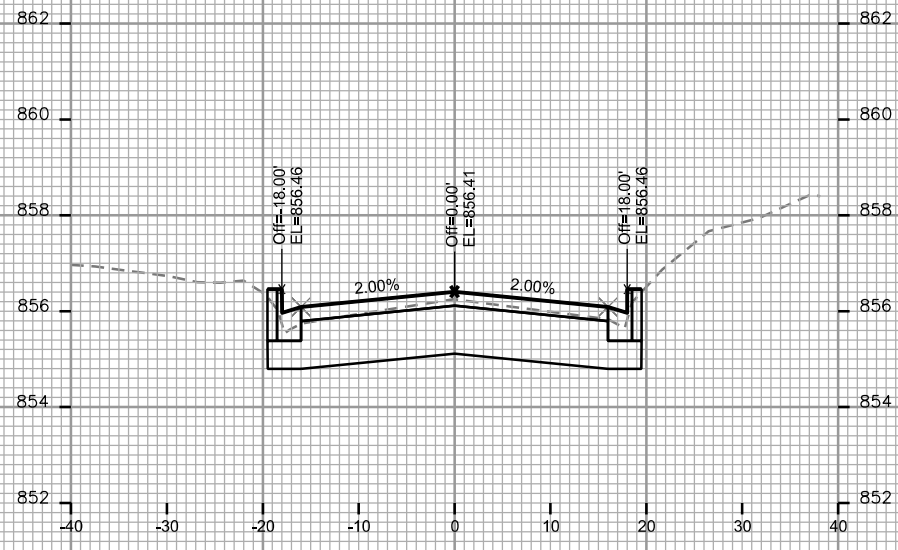


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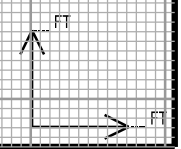
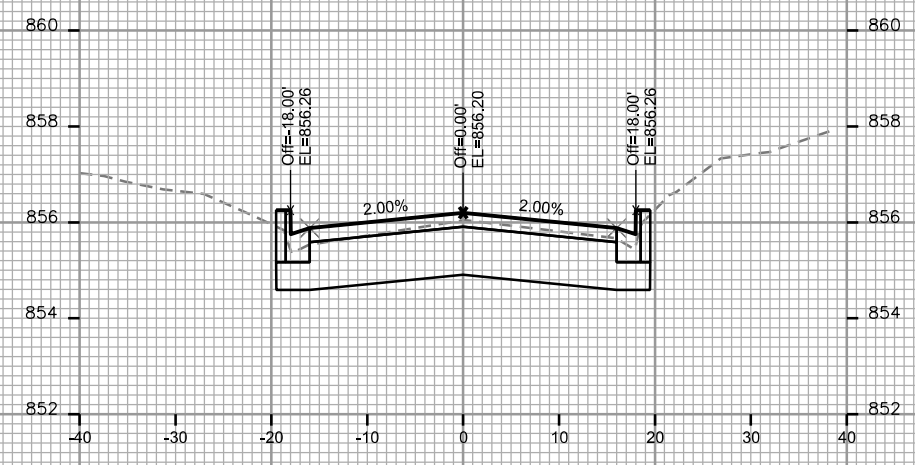
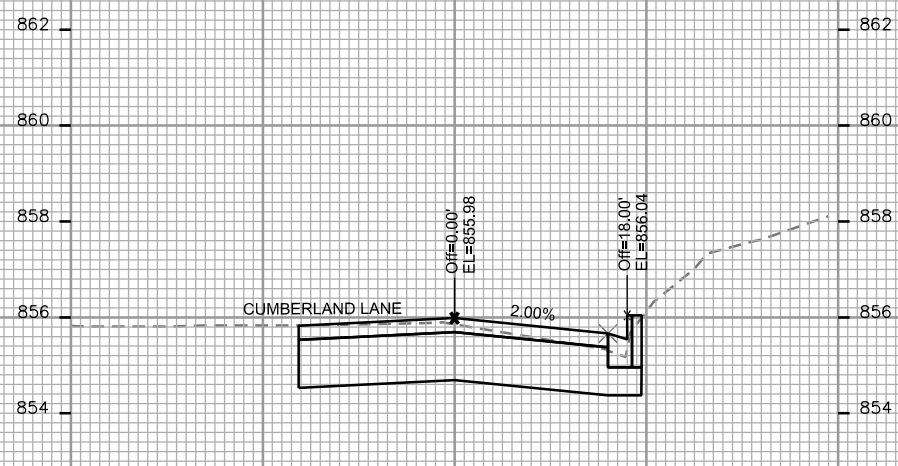
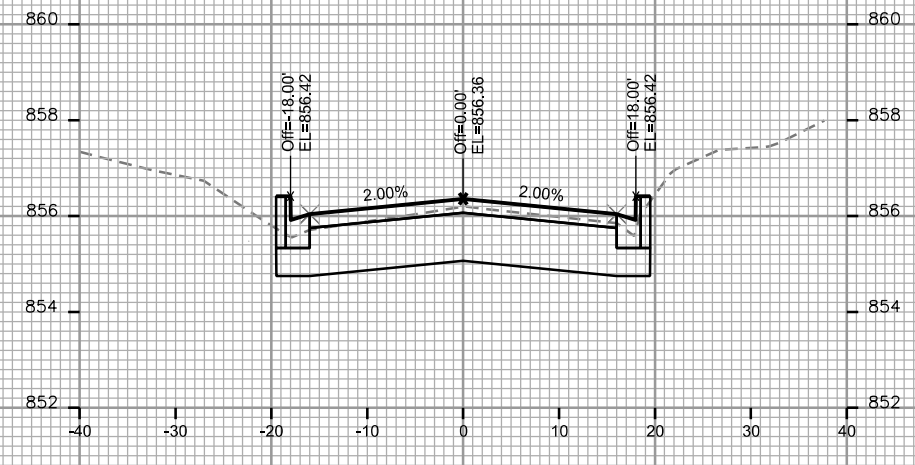
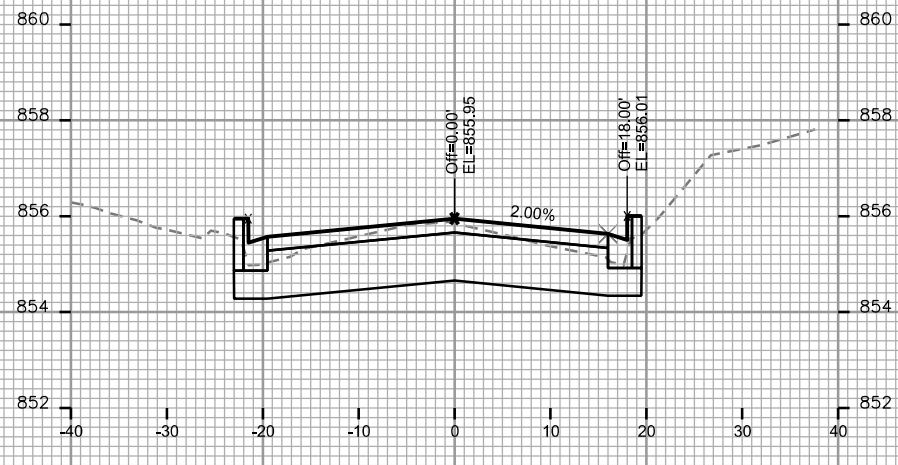
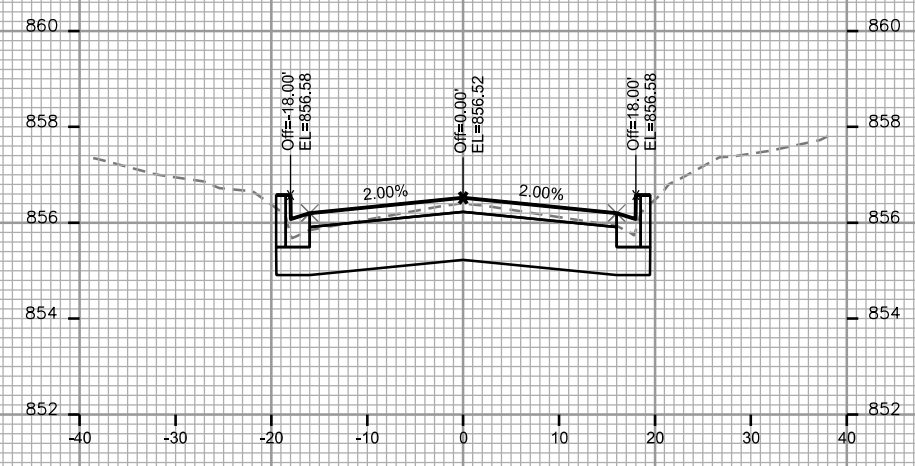
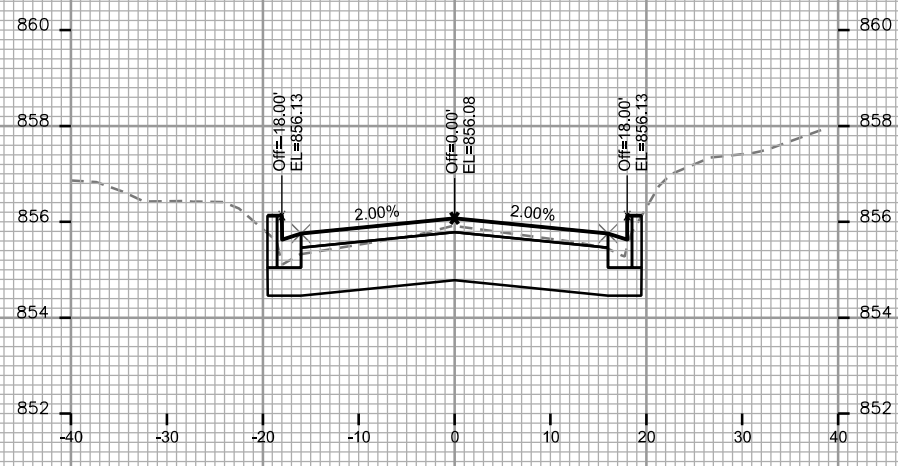


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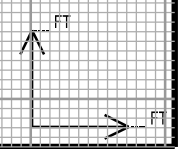
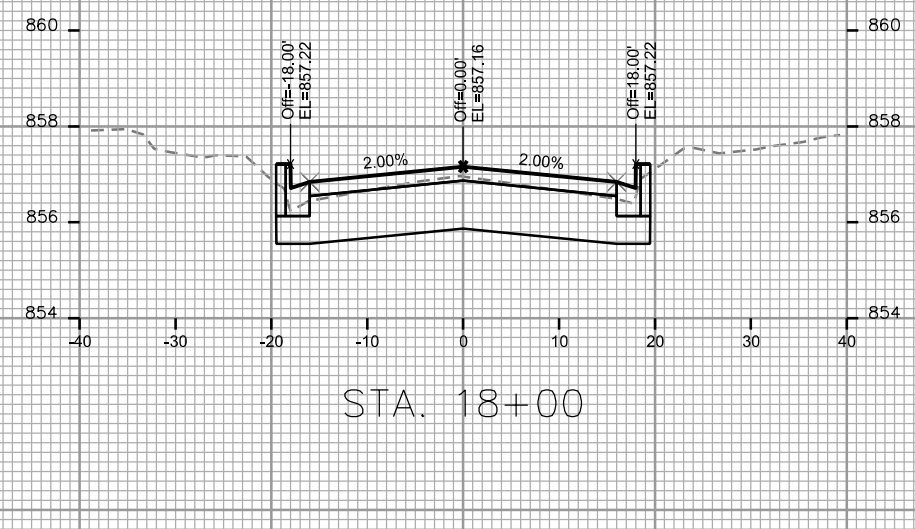
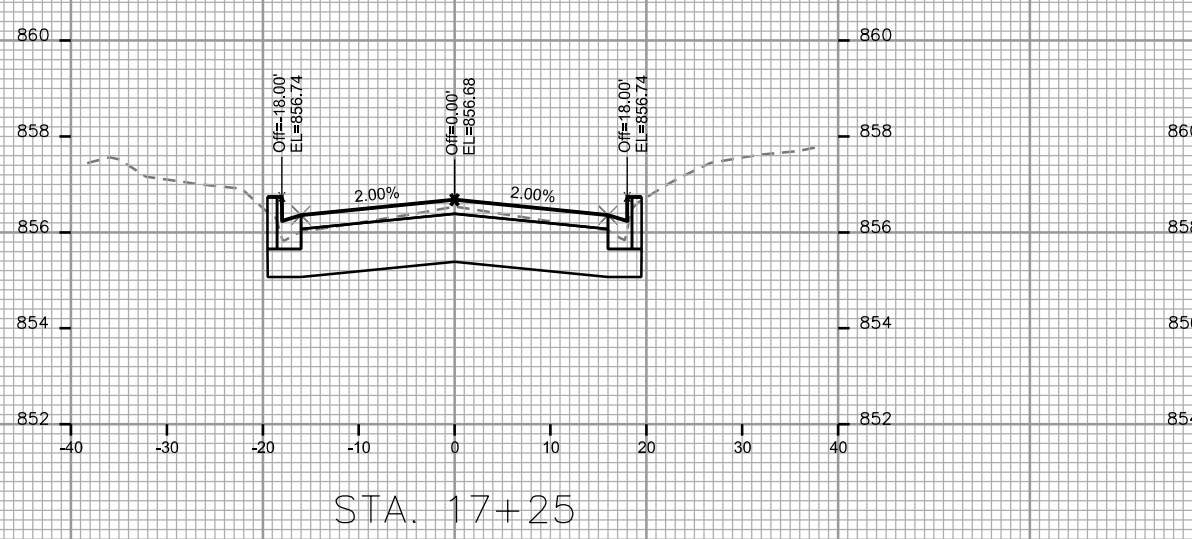
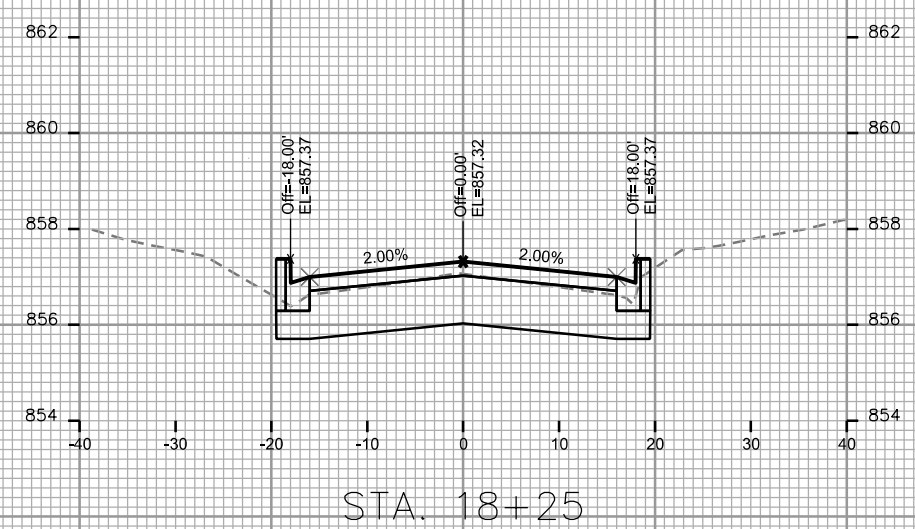
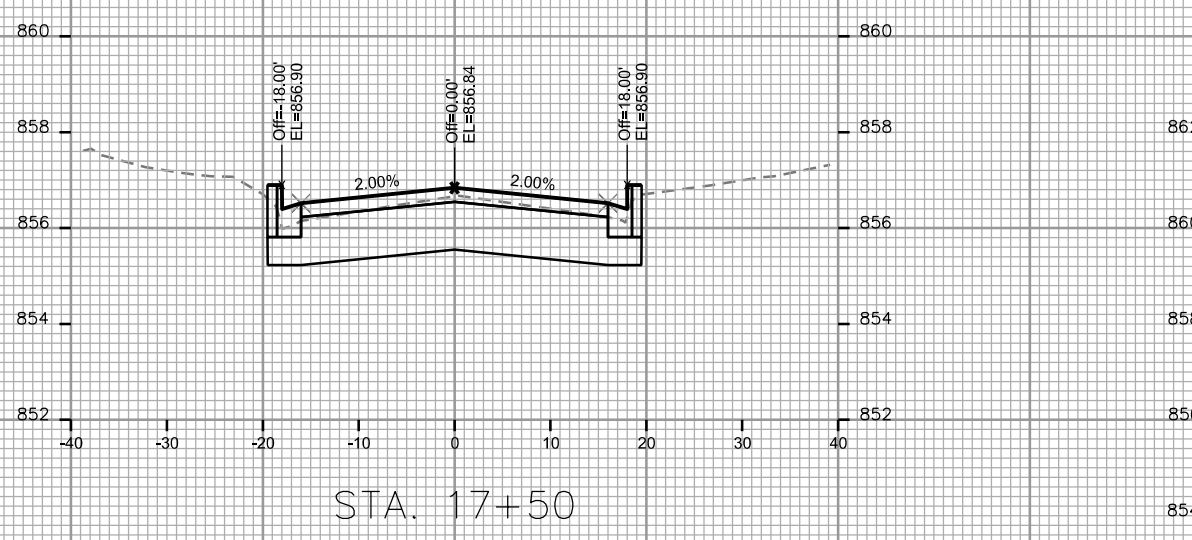
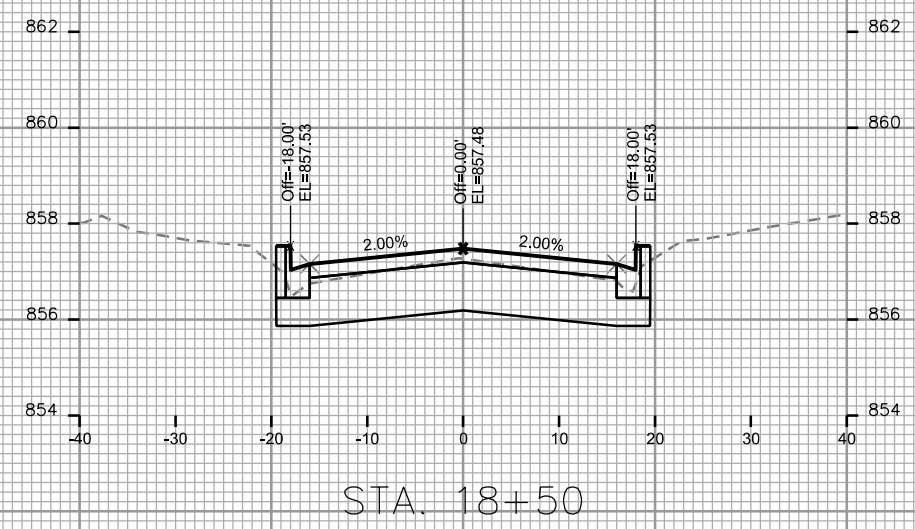
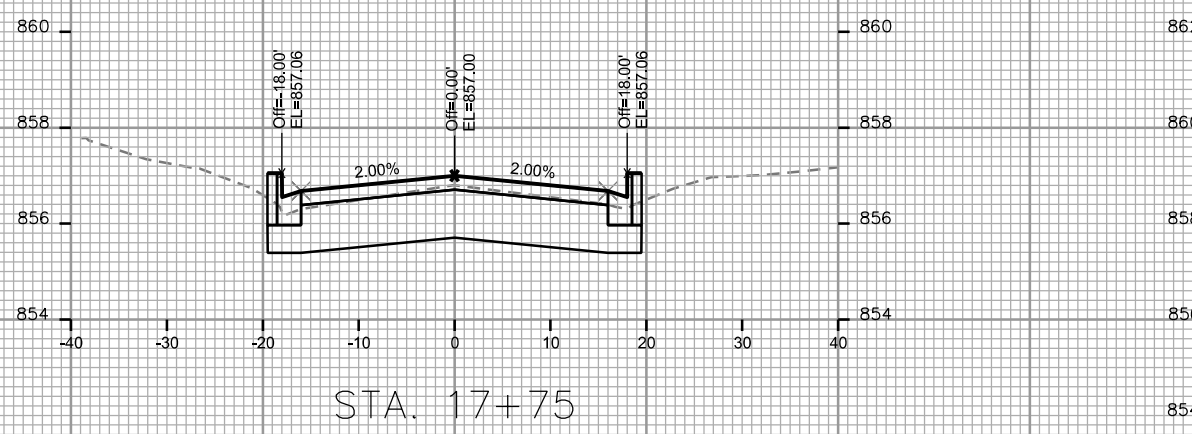


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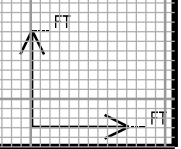
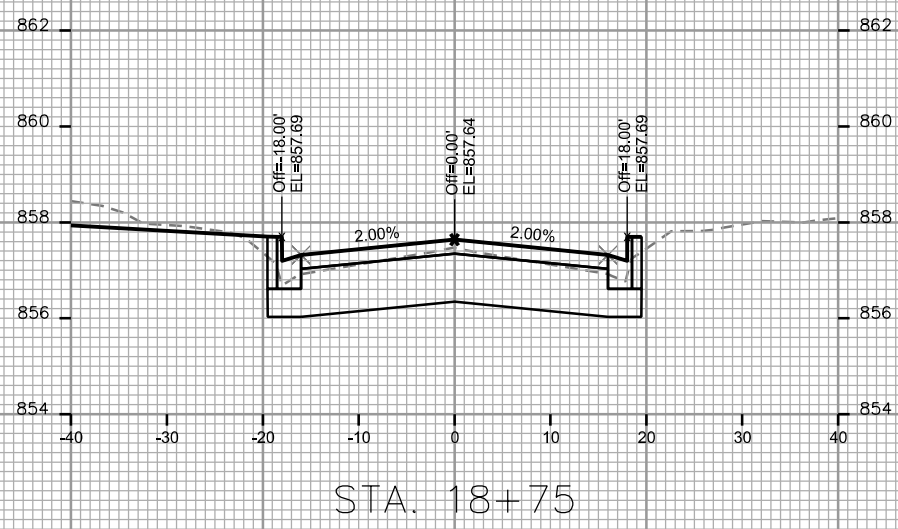
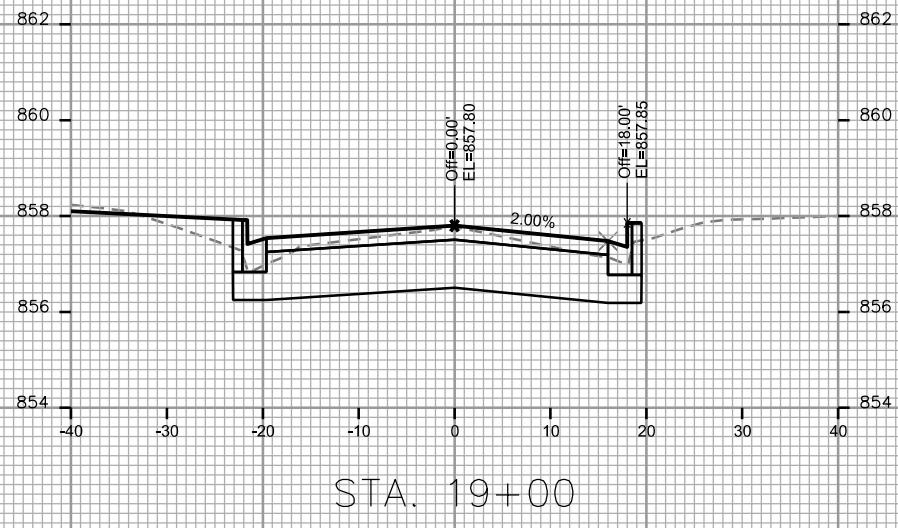


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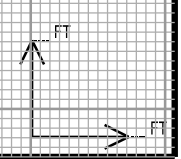
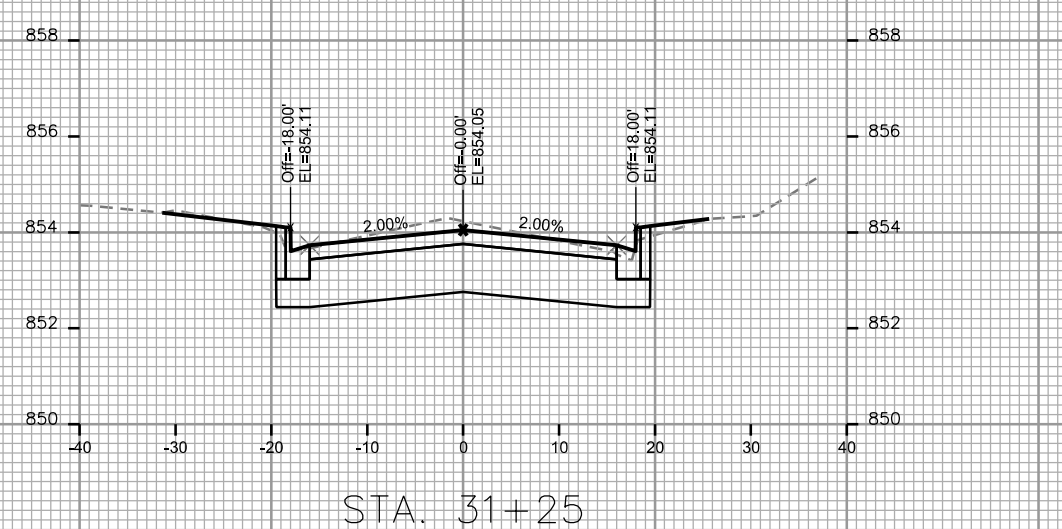
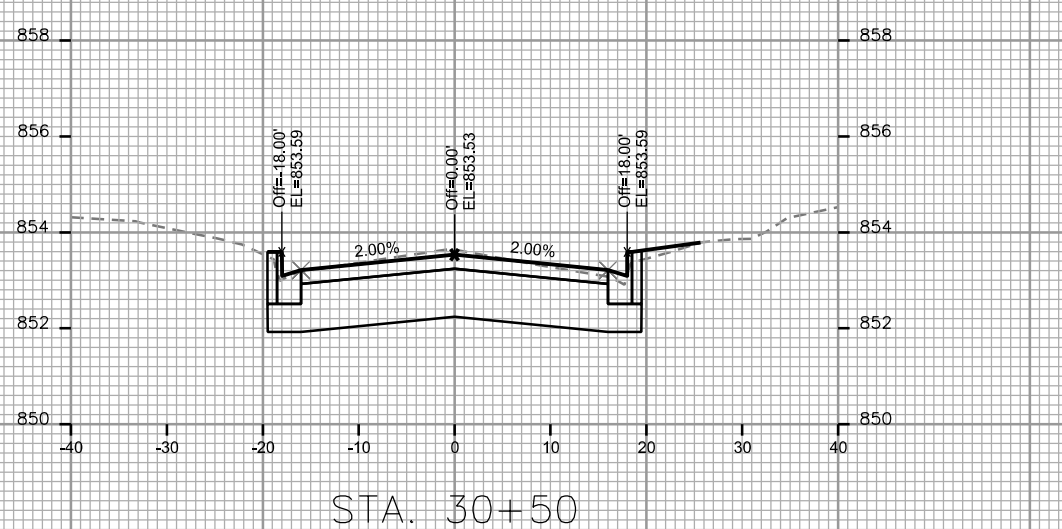
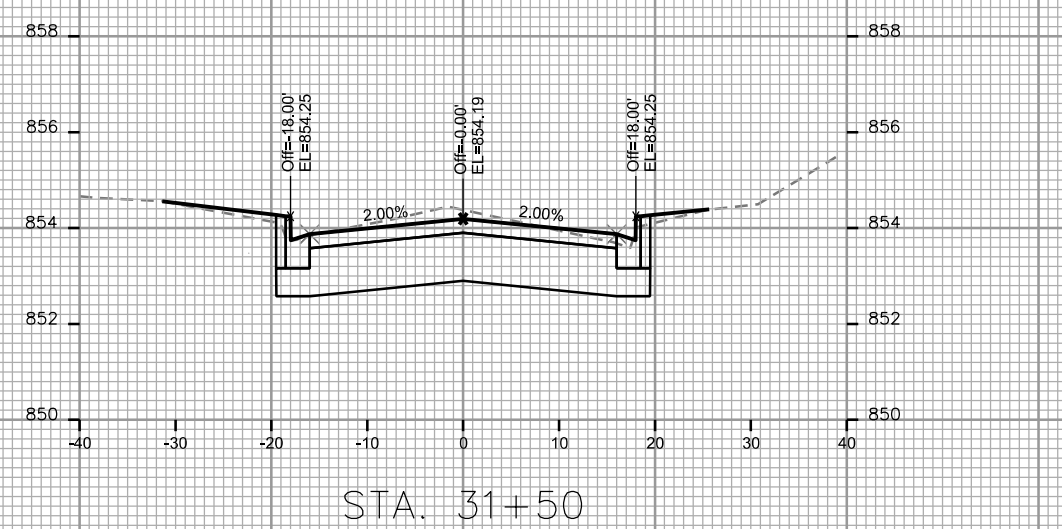
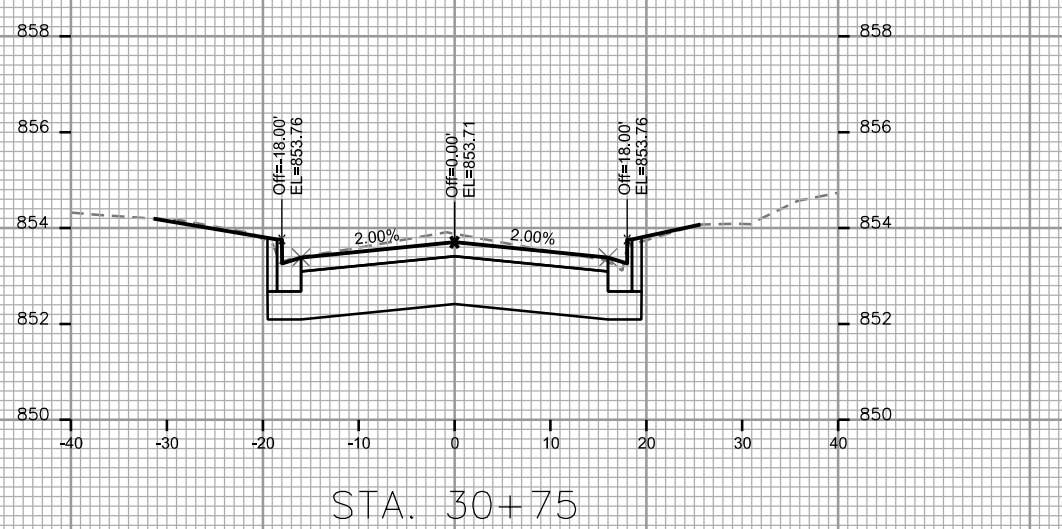
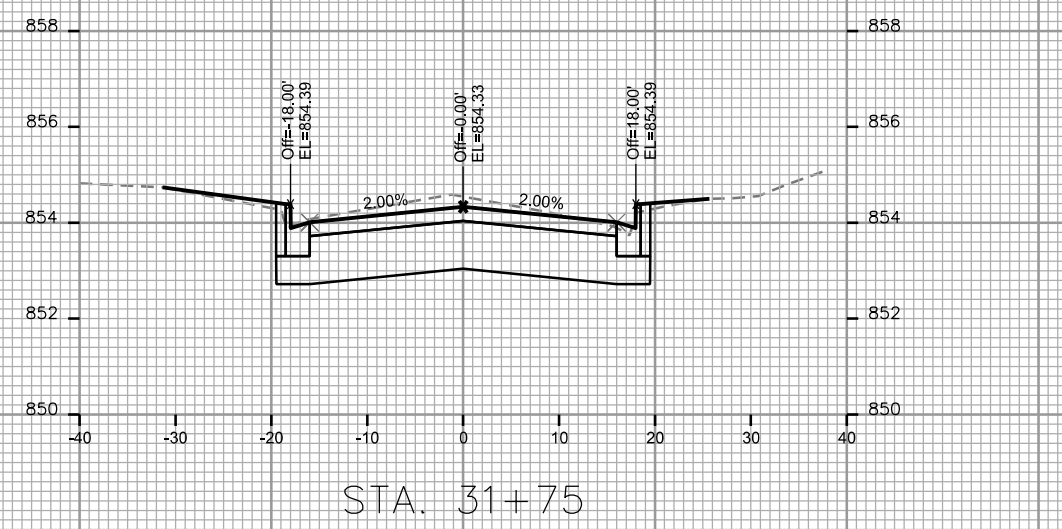
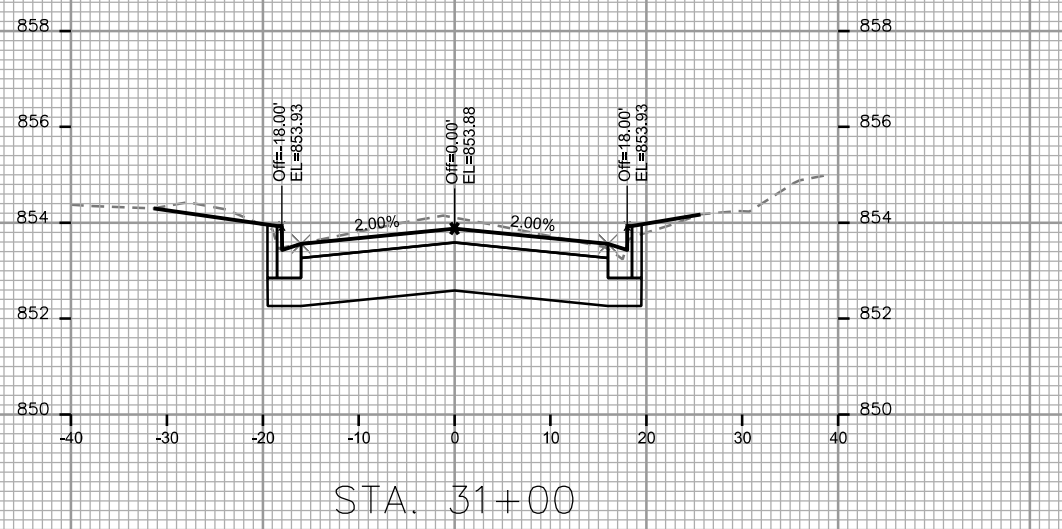


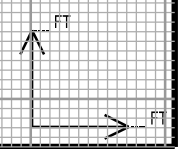
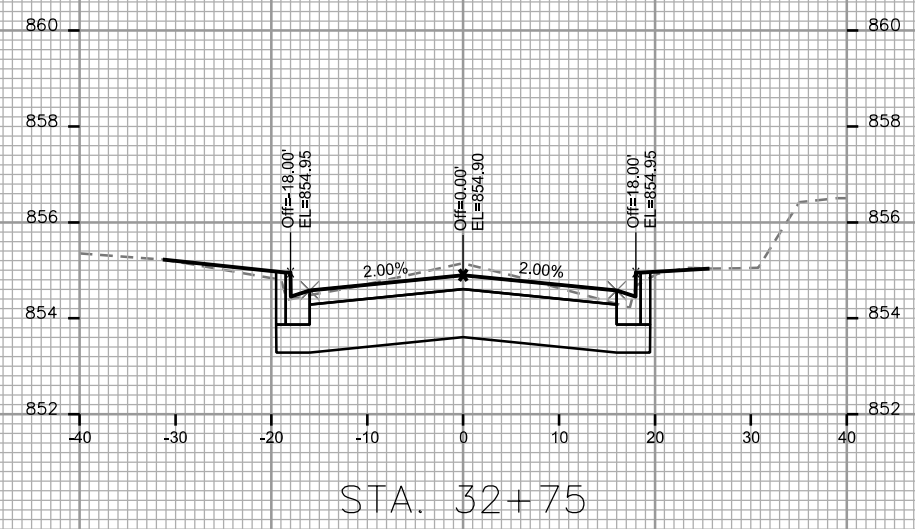
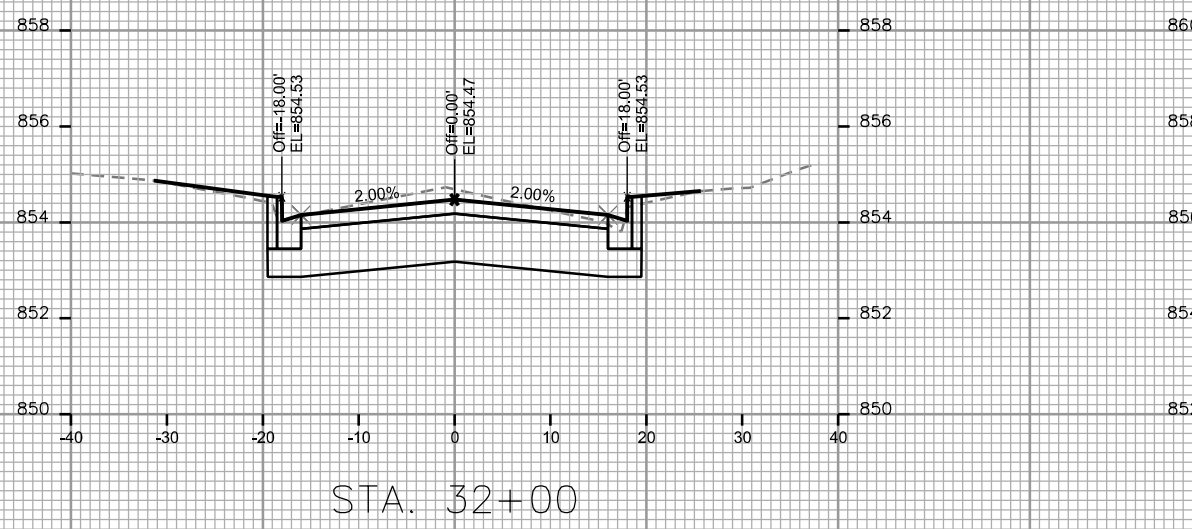
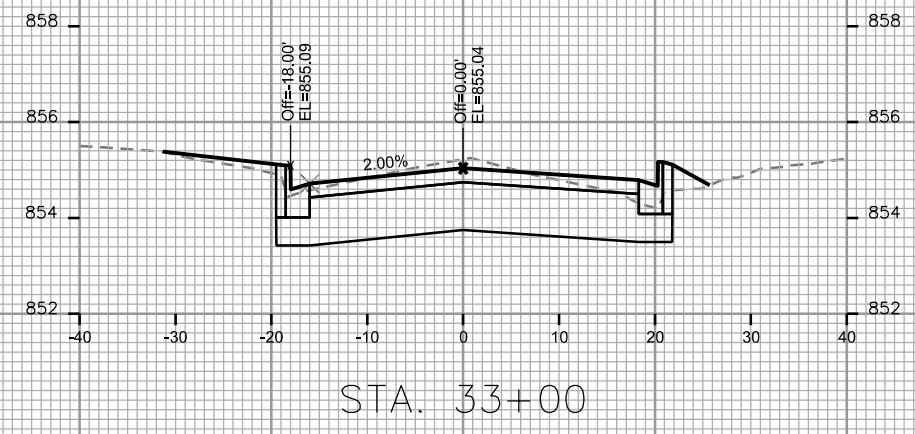
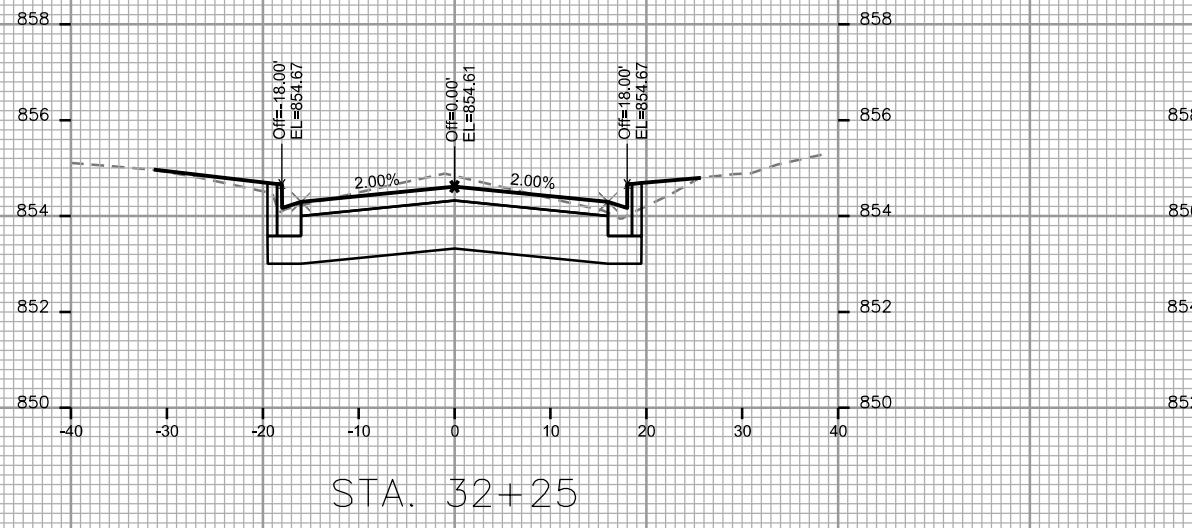
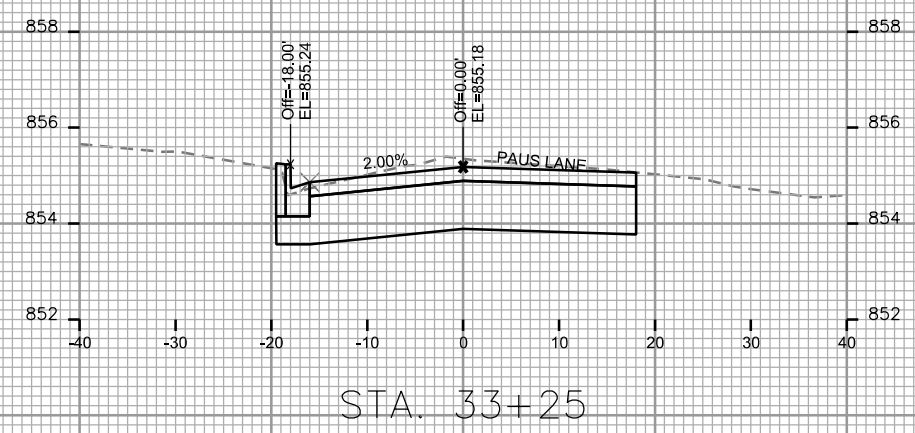
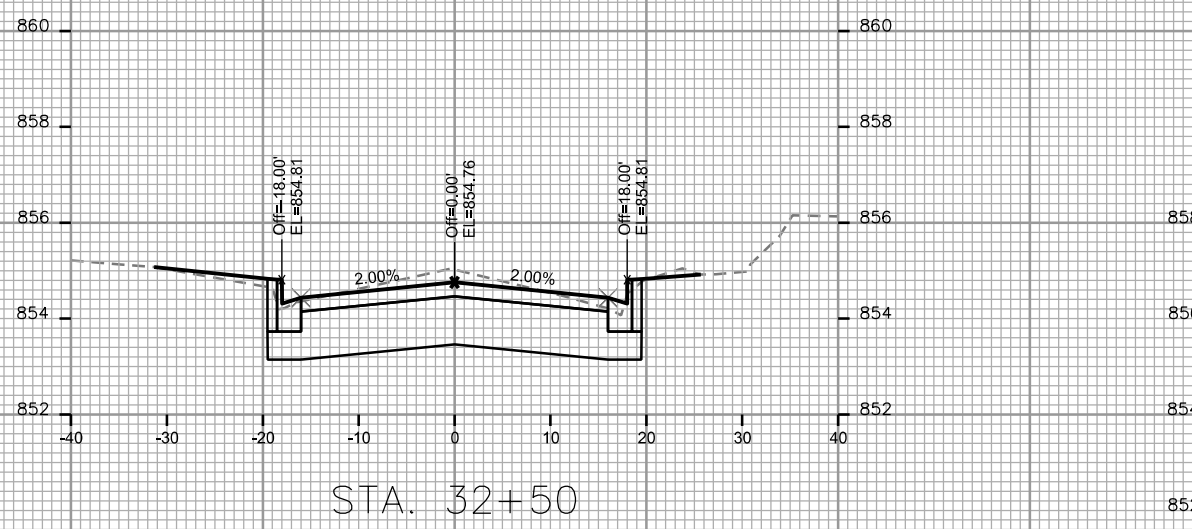
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



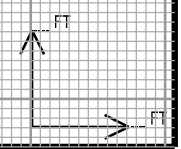
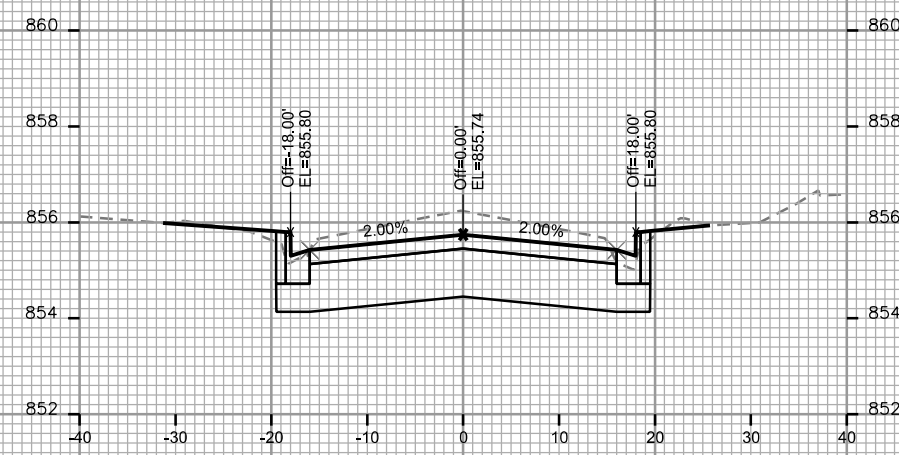
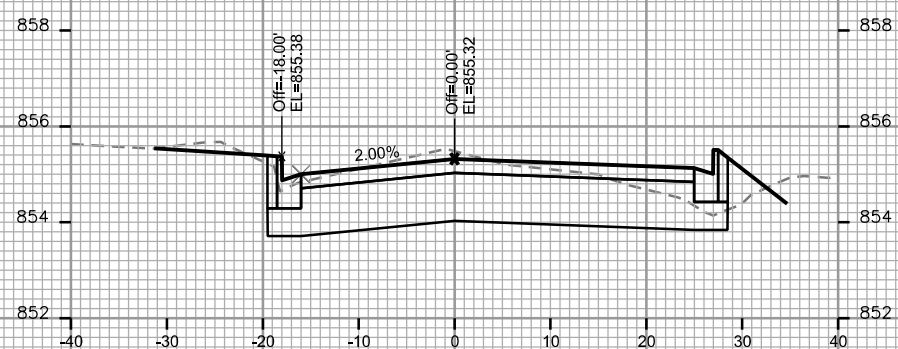
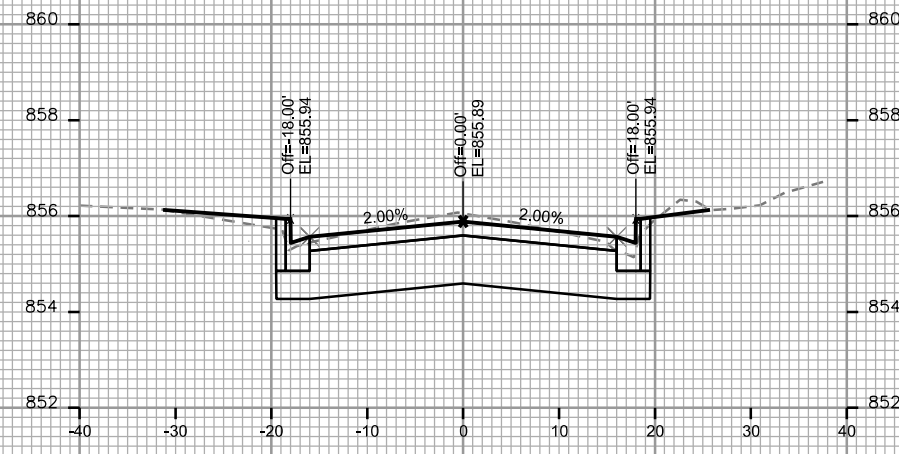
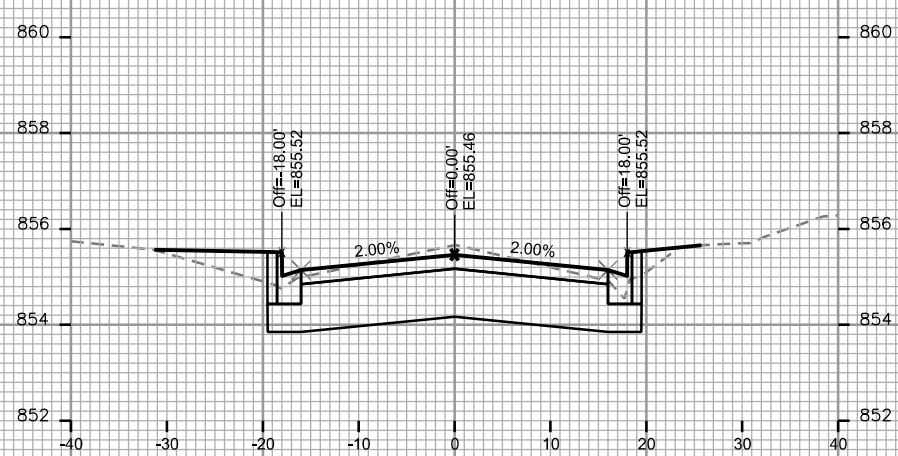
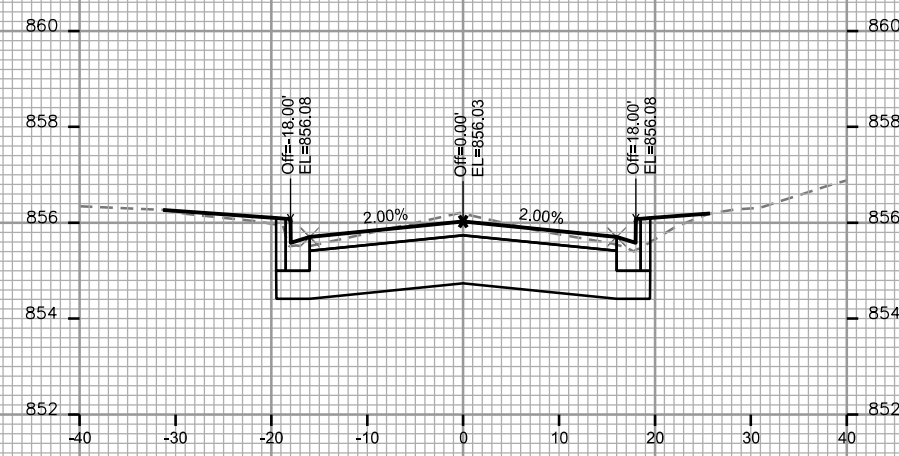
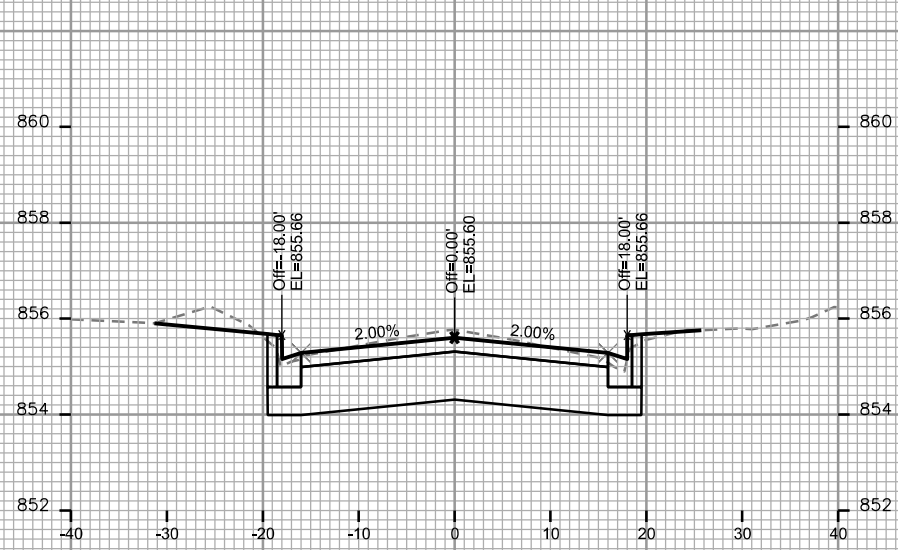


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

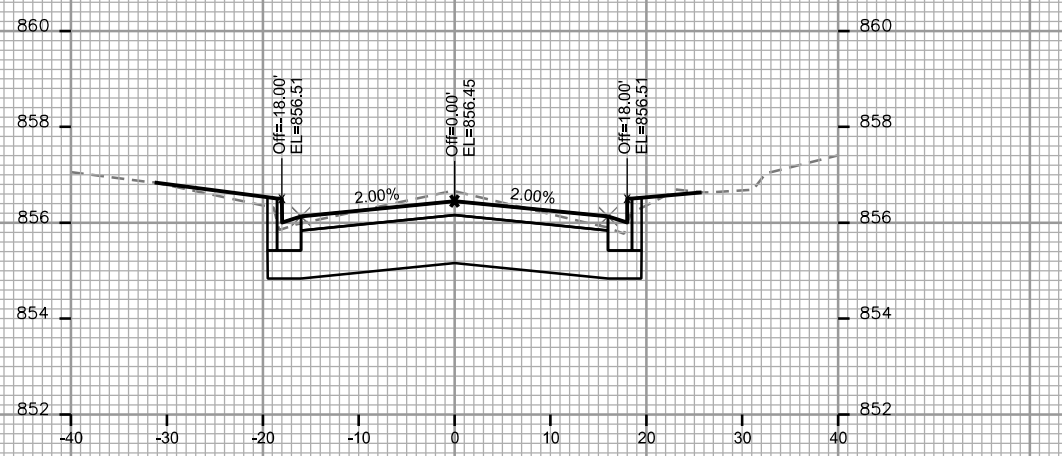


PLOT SCALE: _____

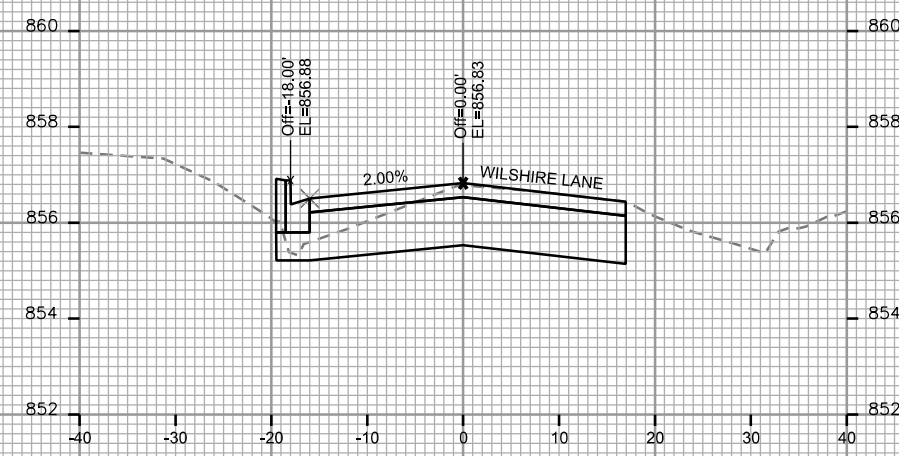
PLOT NAME: _____

REV. DATE: _____

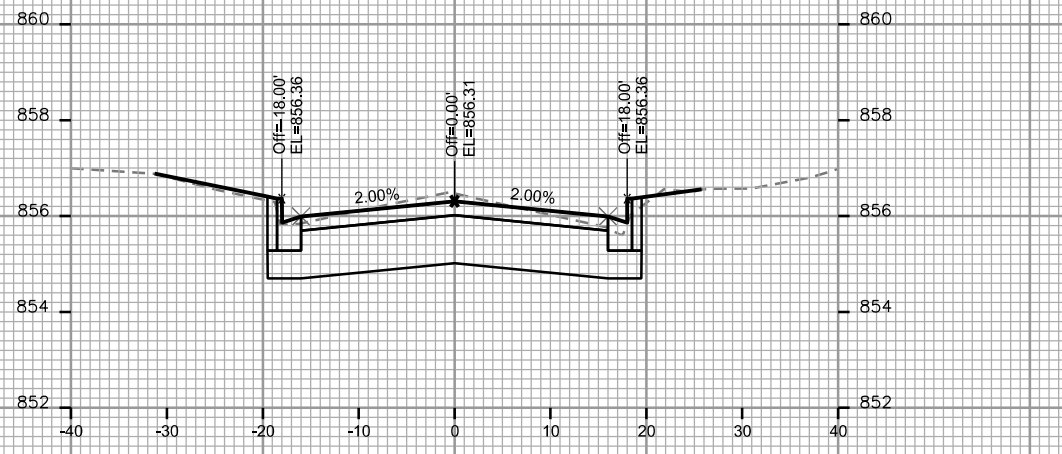
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



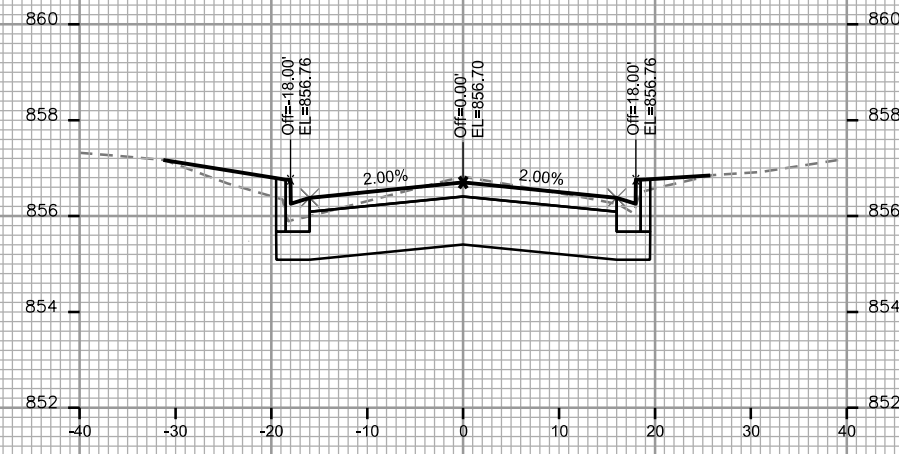
STA. 35+50



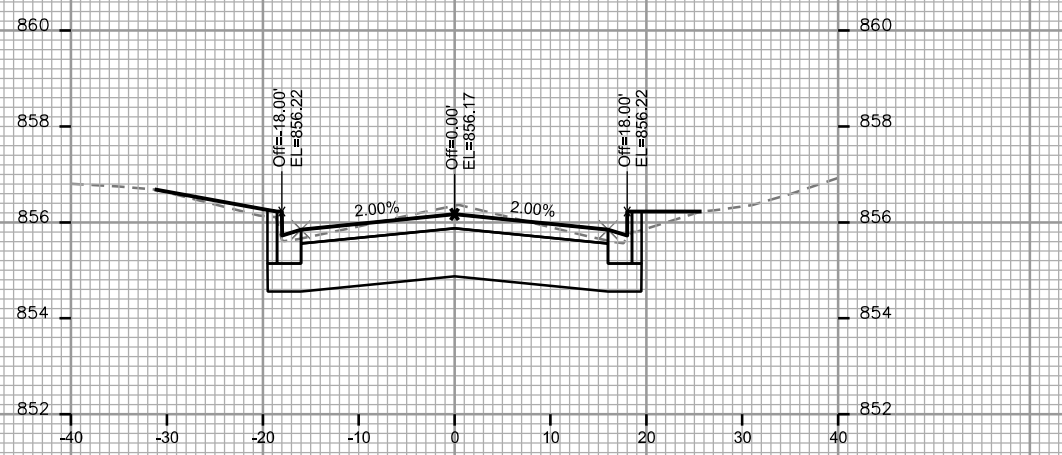
STA. 36+25



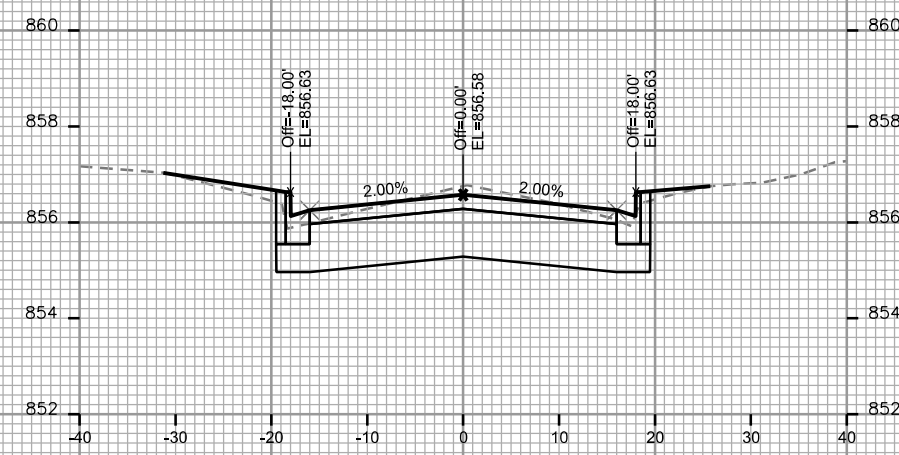
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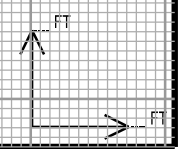
STA. 36+00



STA. 35+00



STA. 35+75



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

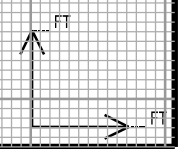
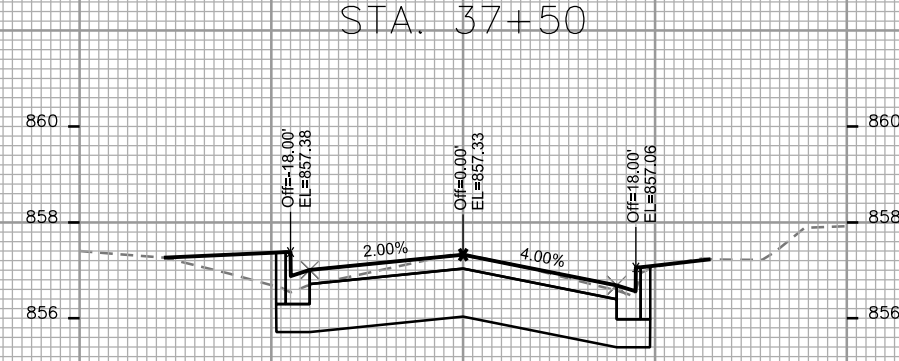
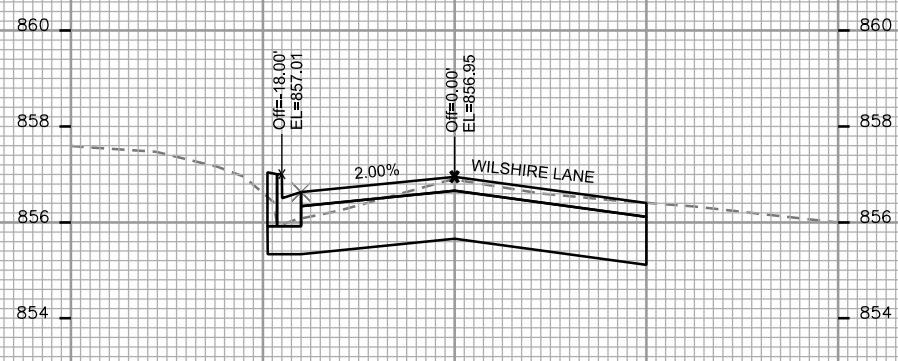
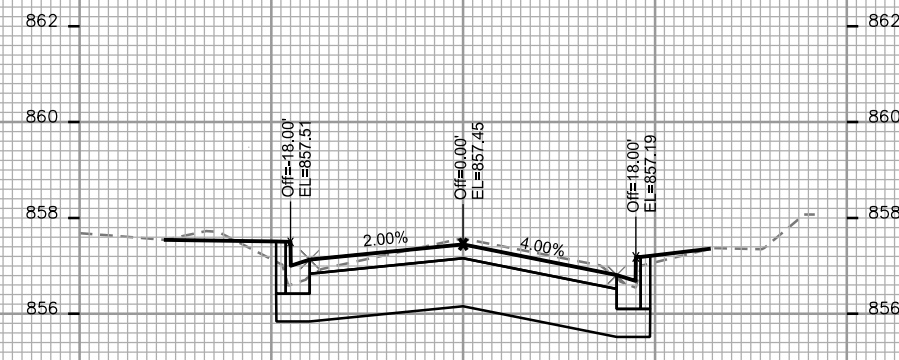
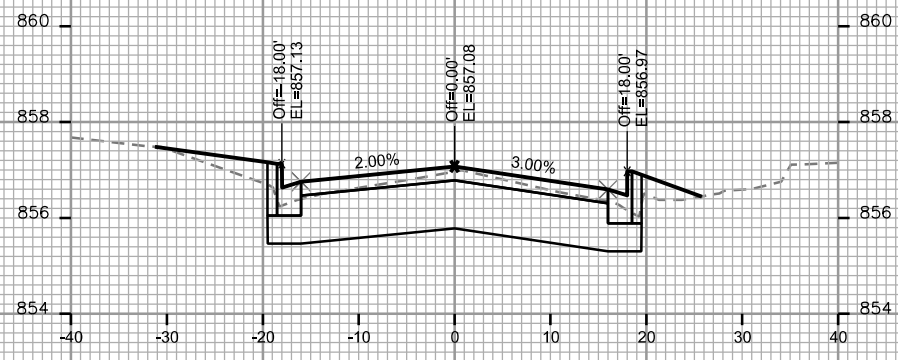
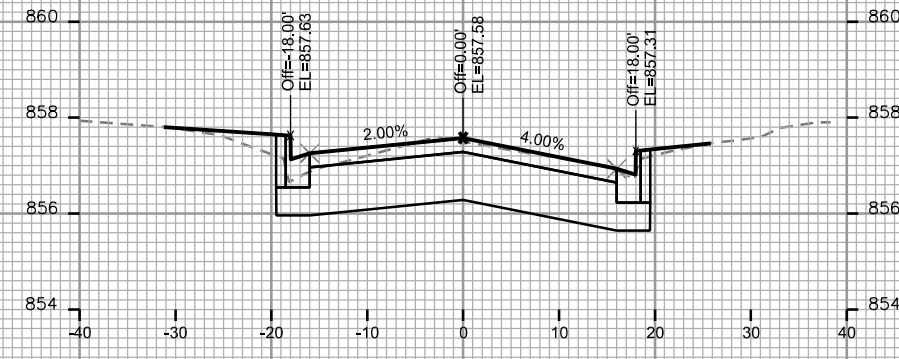
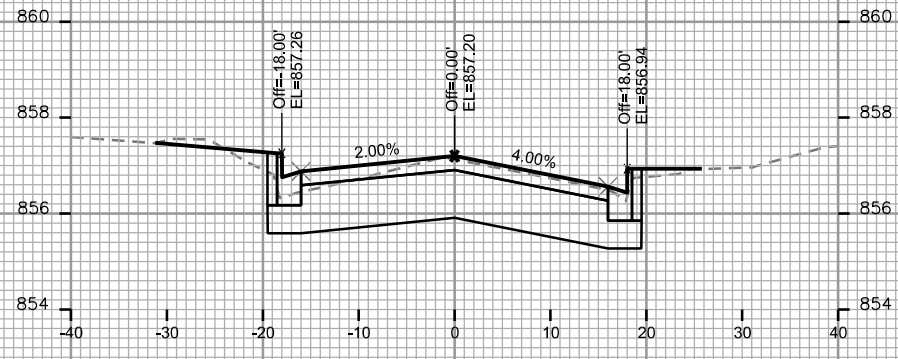
ORIGINATOR: CITY OF MADISON - STREETS DIVISION

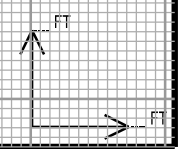
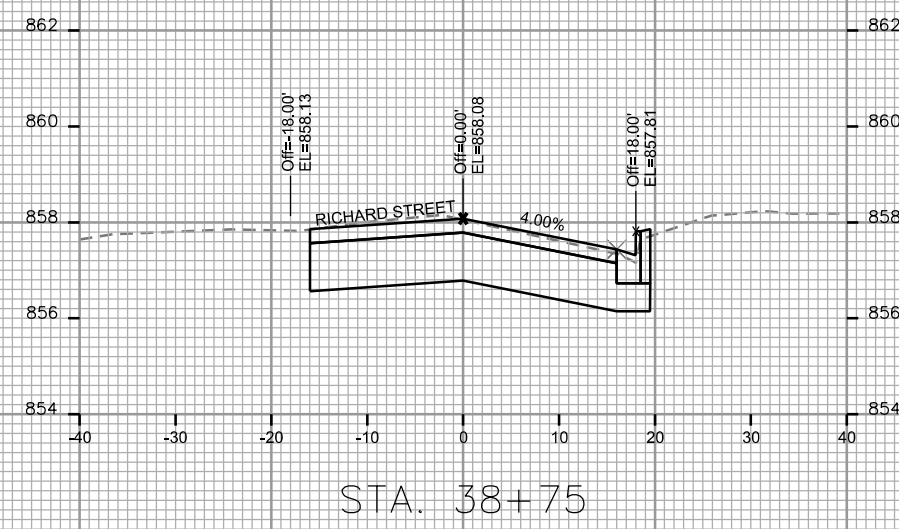
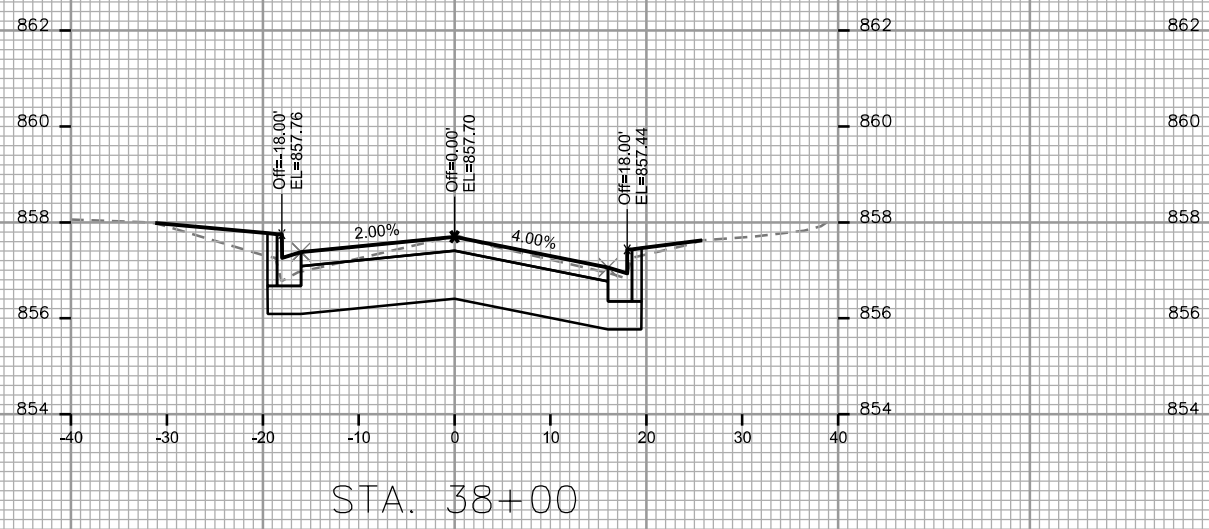
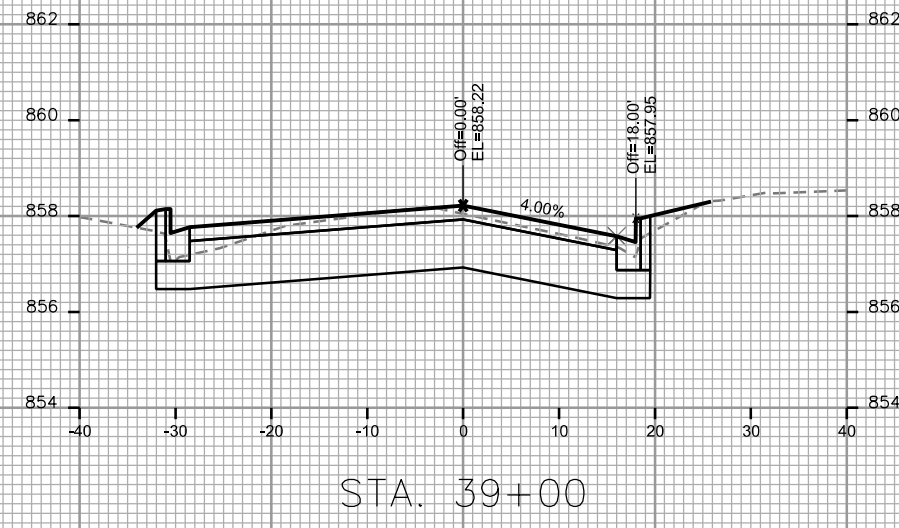
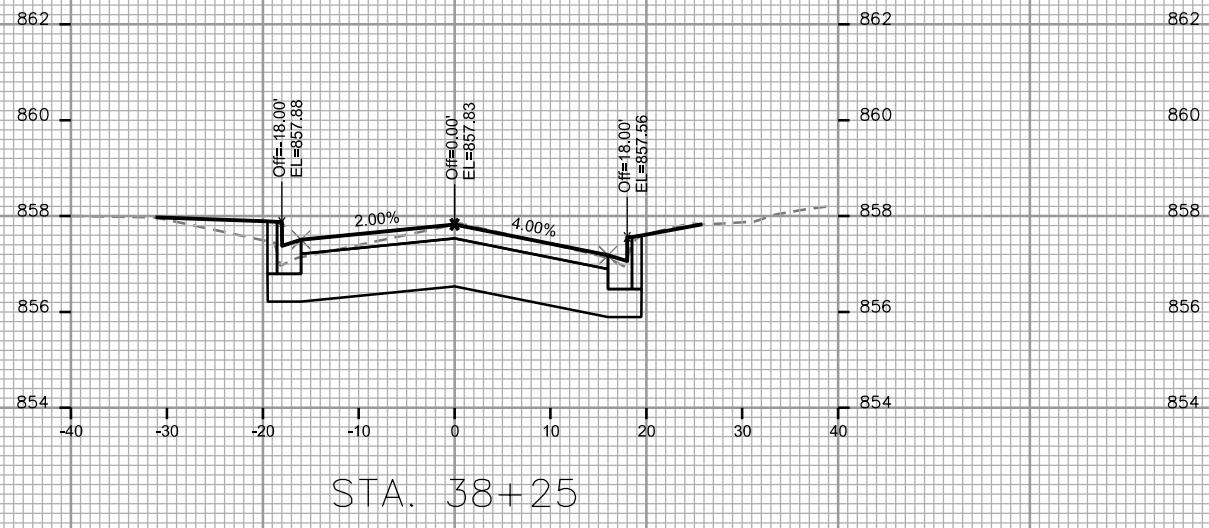
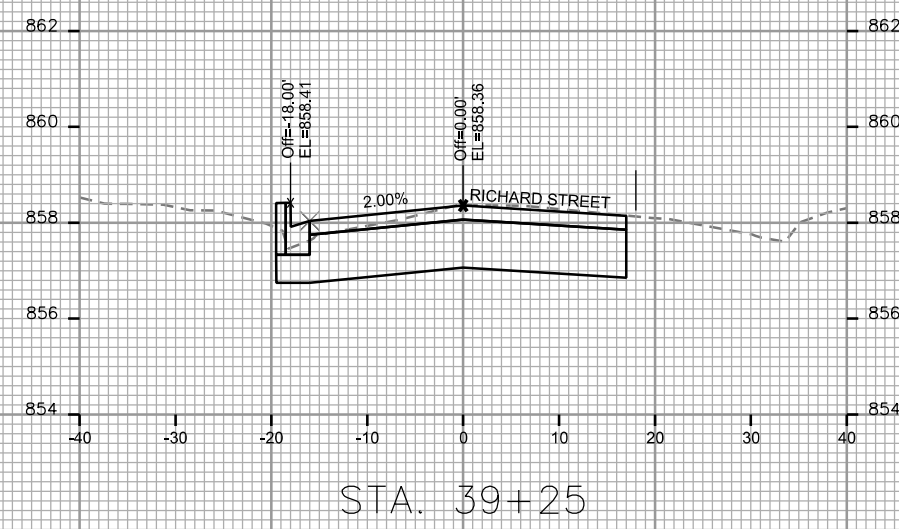
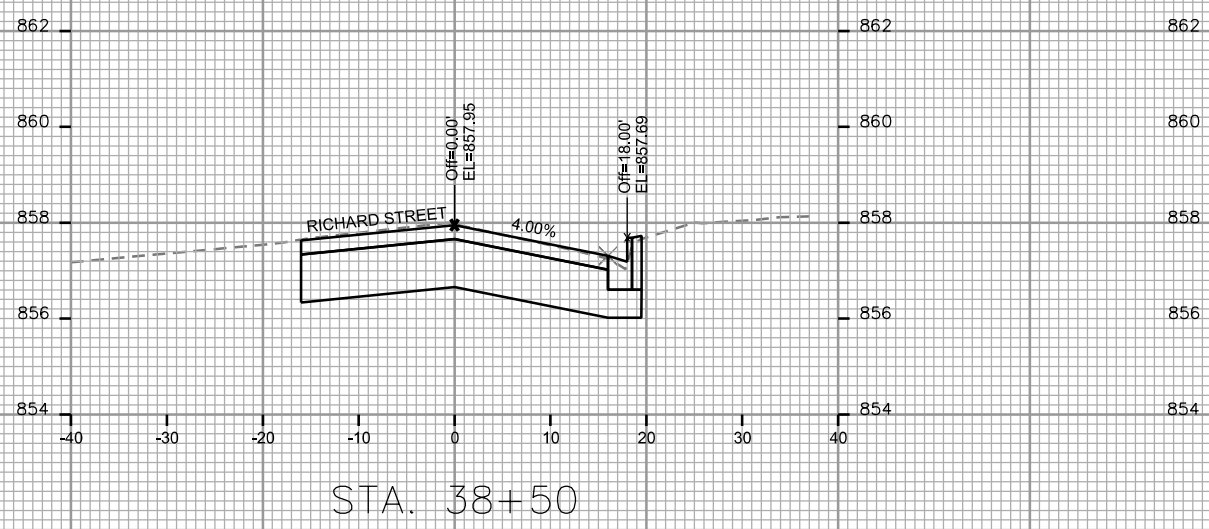
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



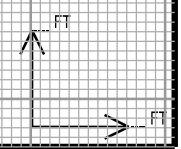
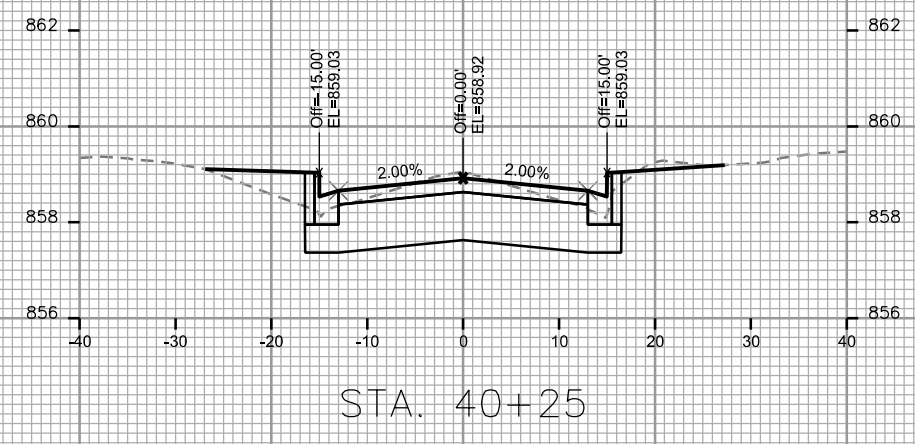
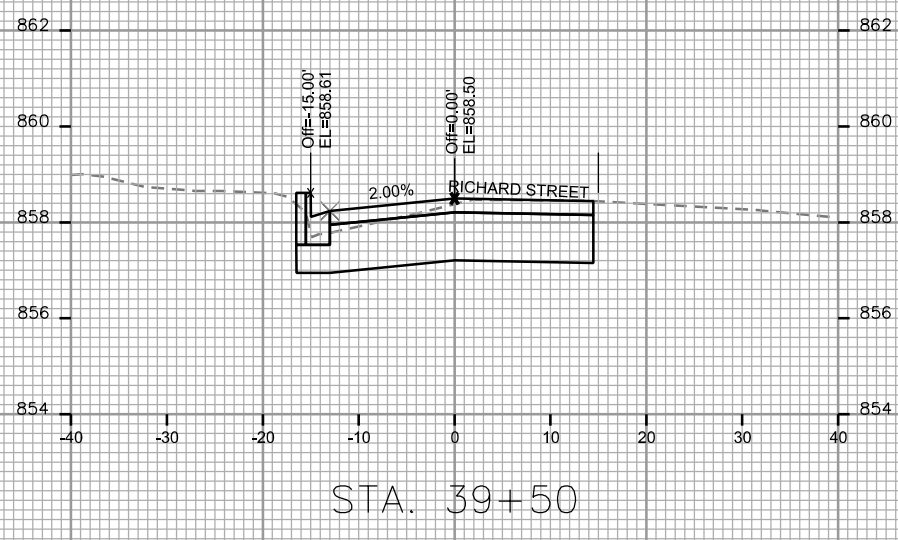
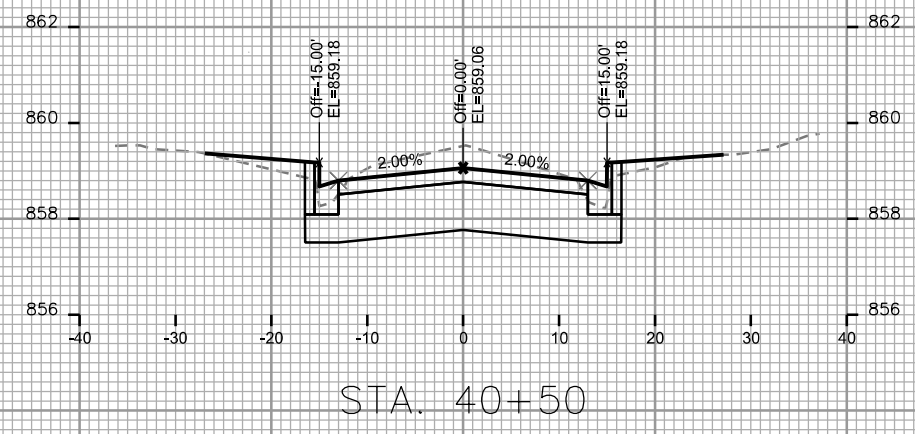
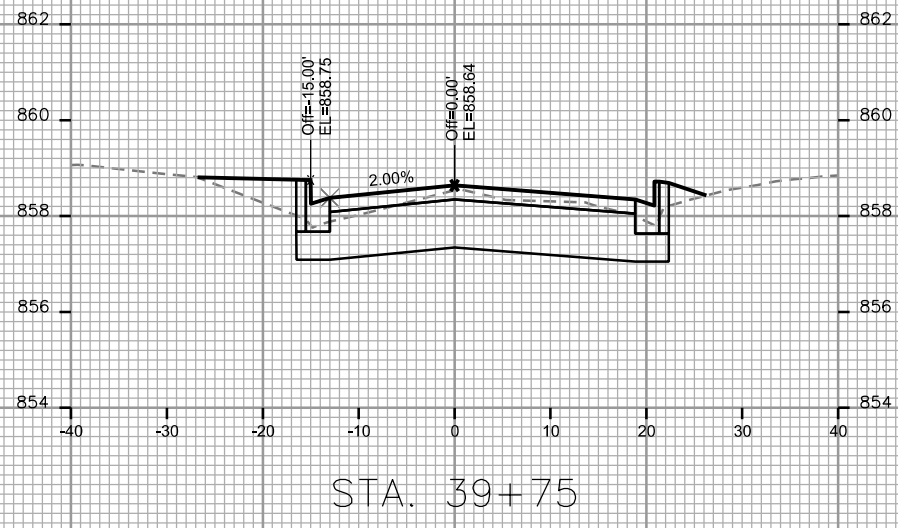
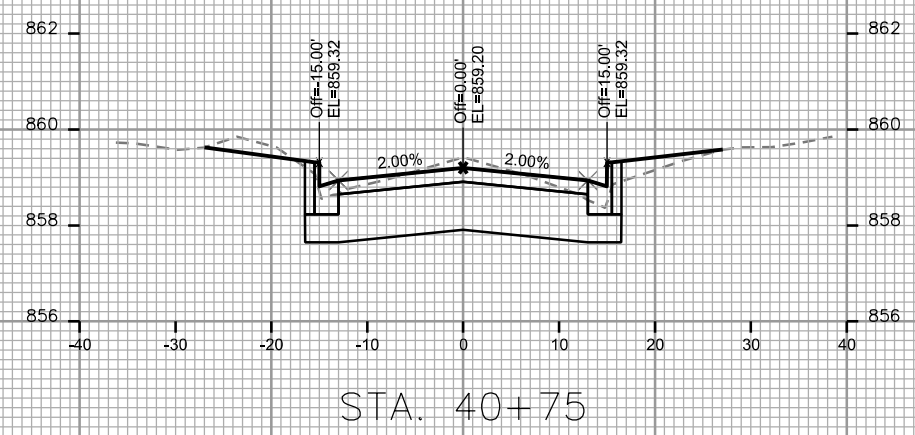
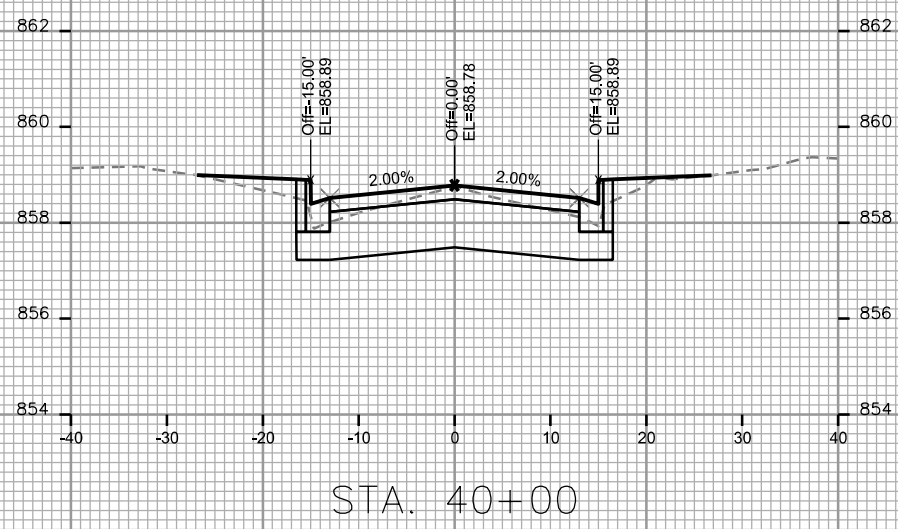


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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

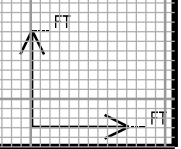
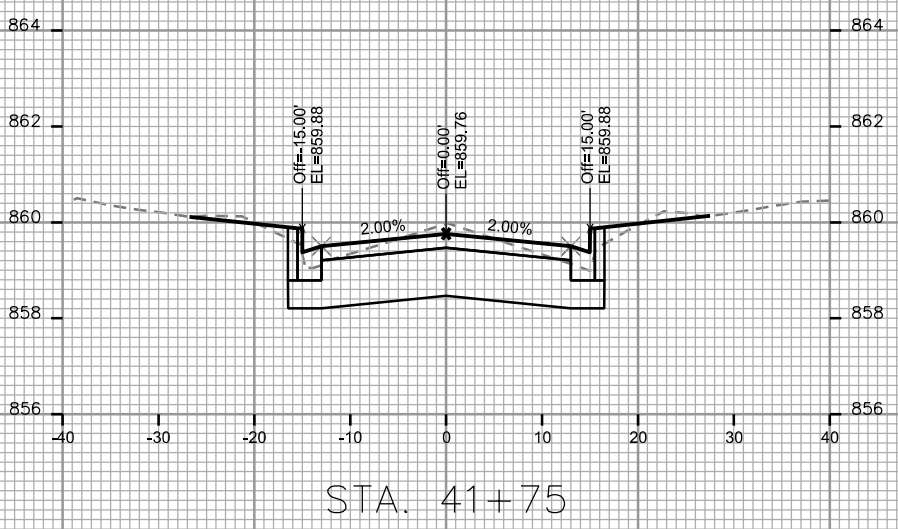
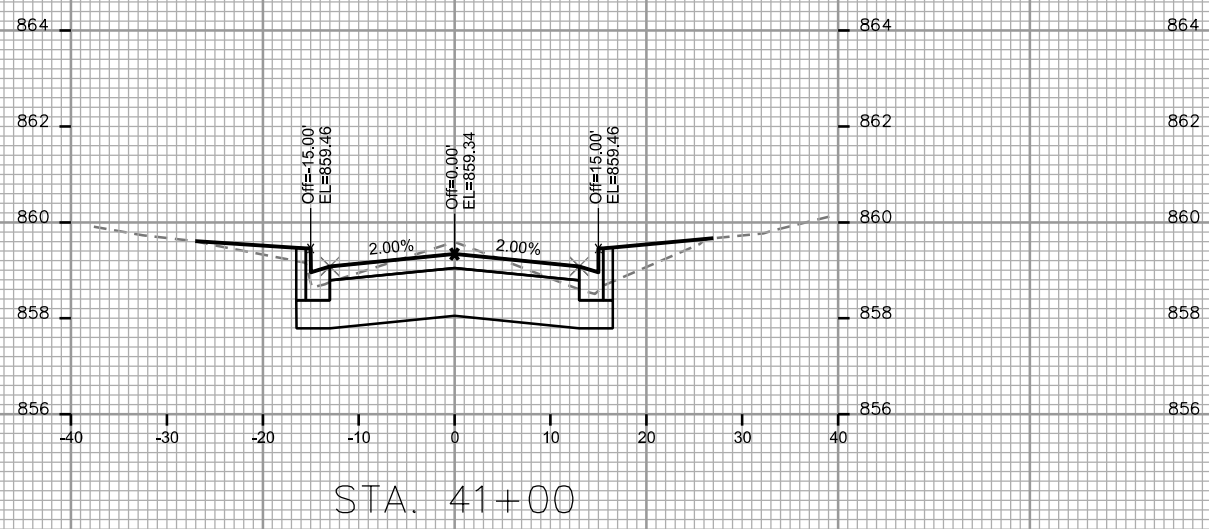
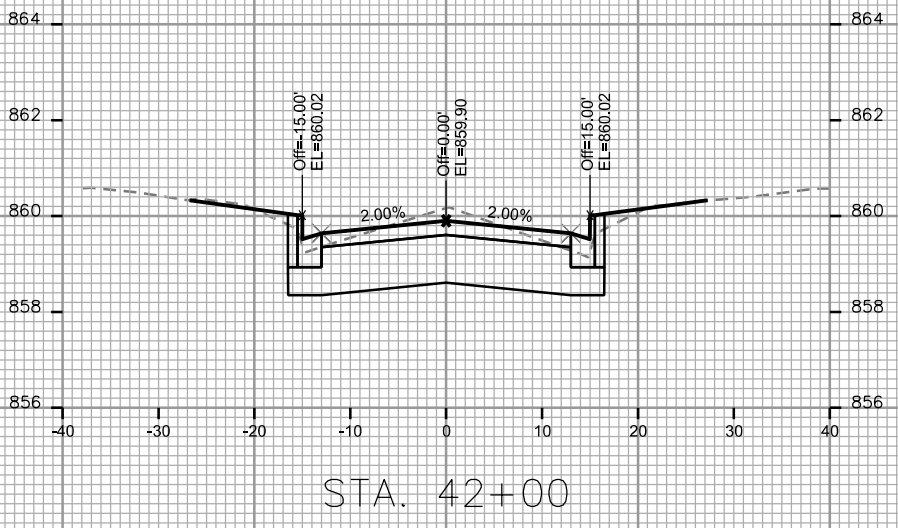
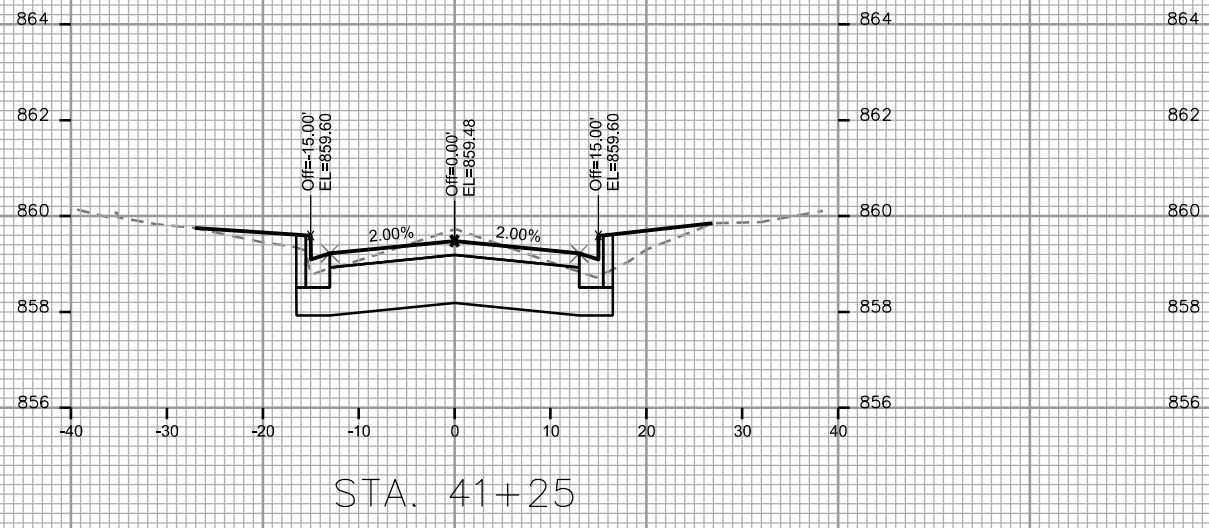
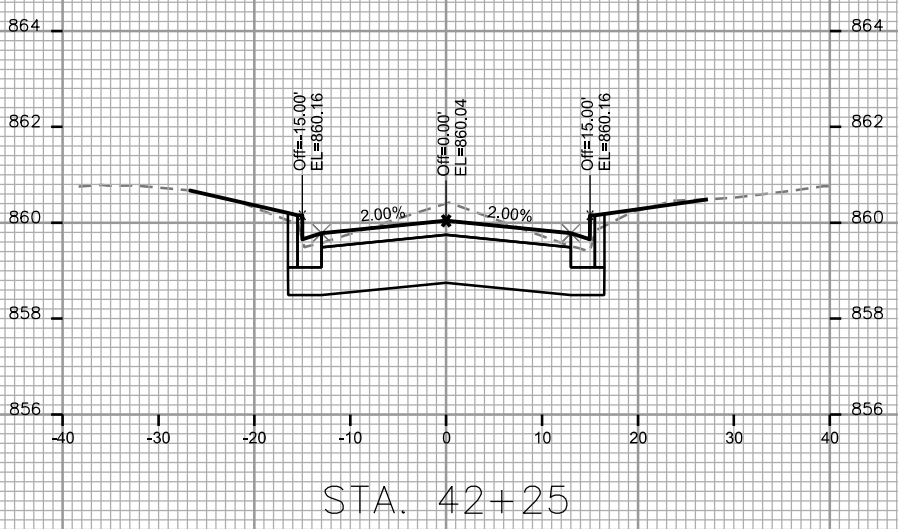
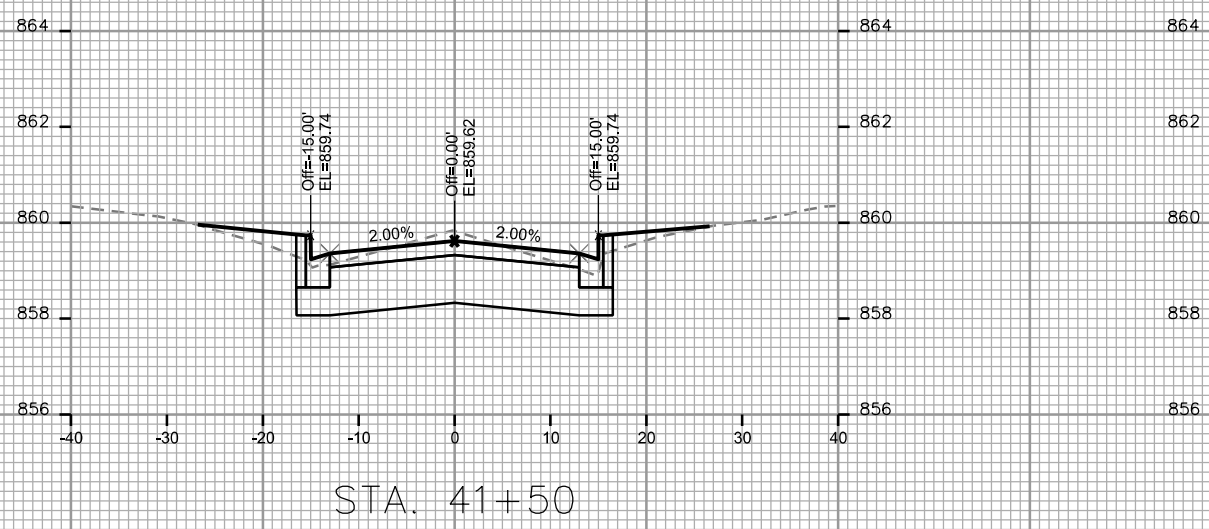


PLOT SCALE: _____

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REV. DATE: _____

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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

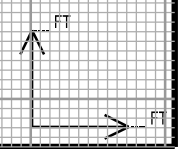
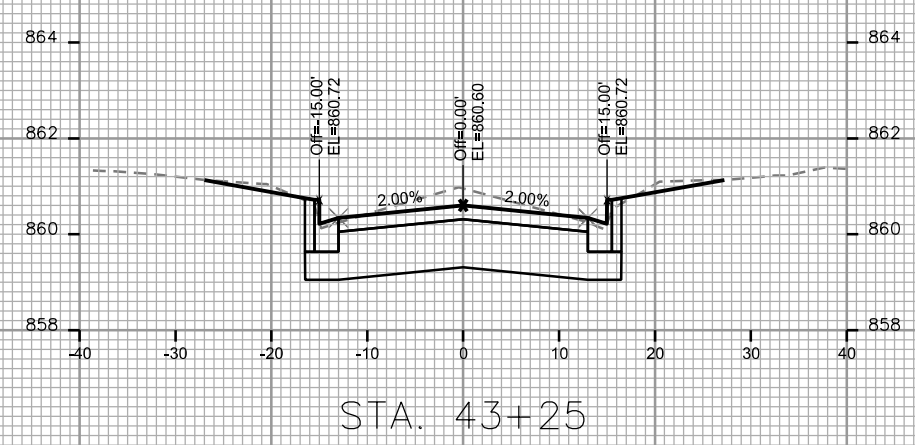
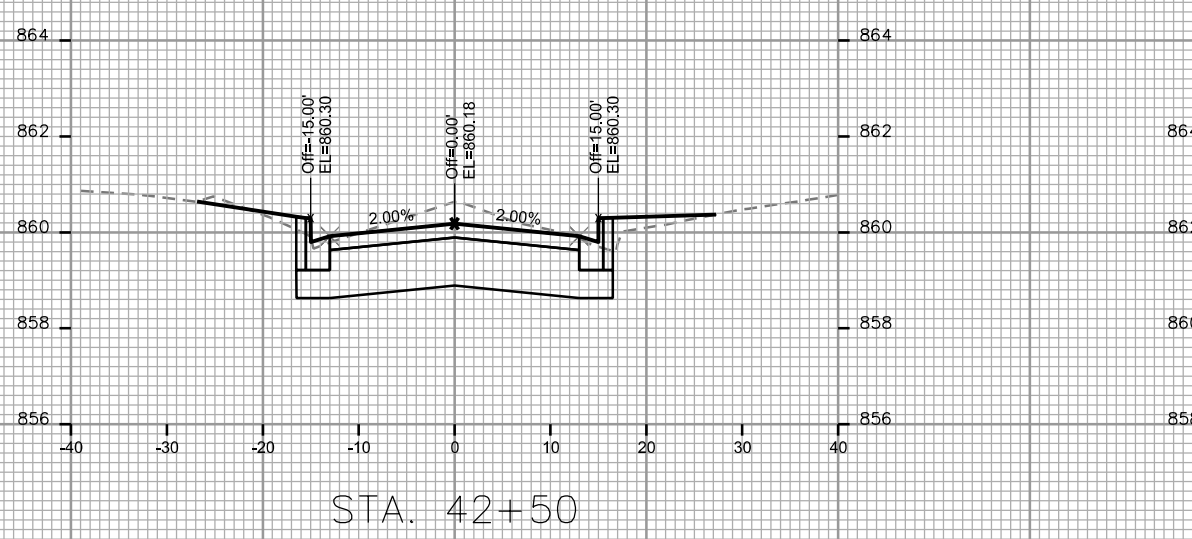
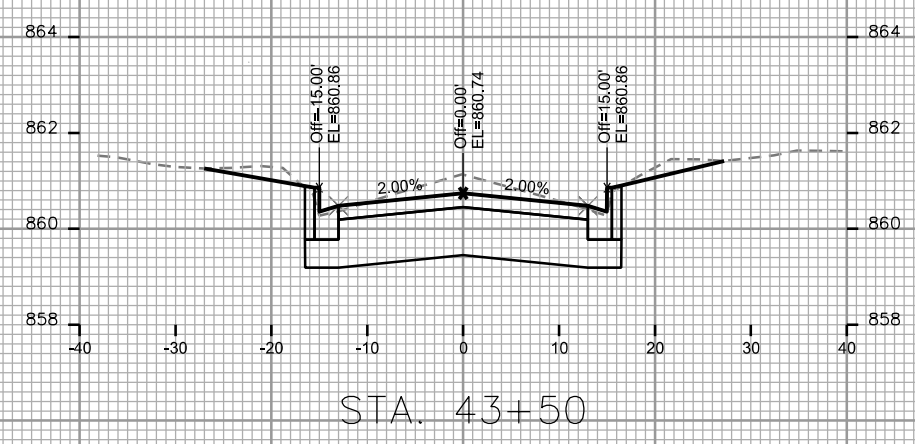
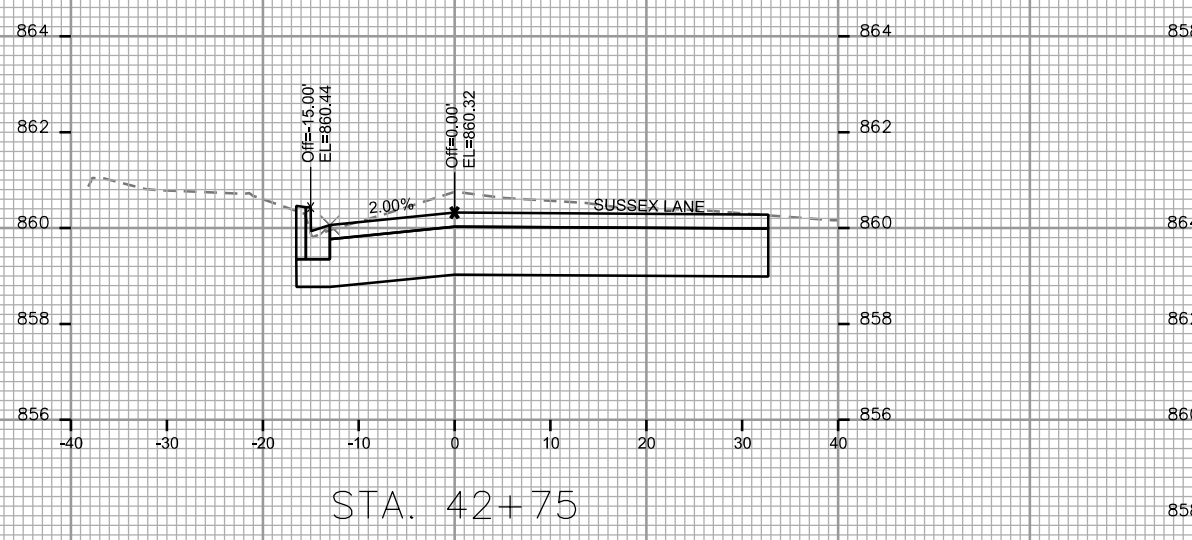
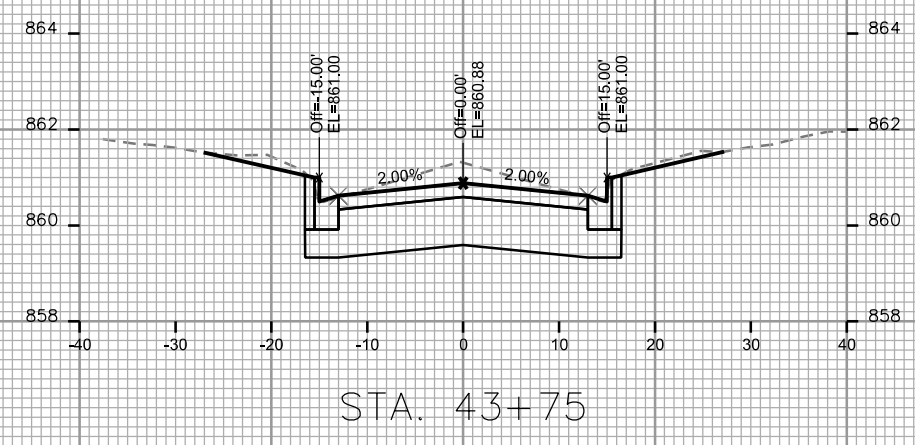
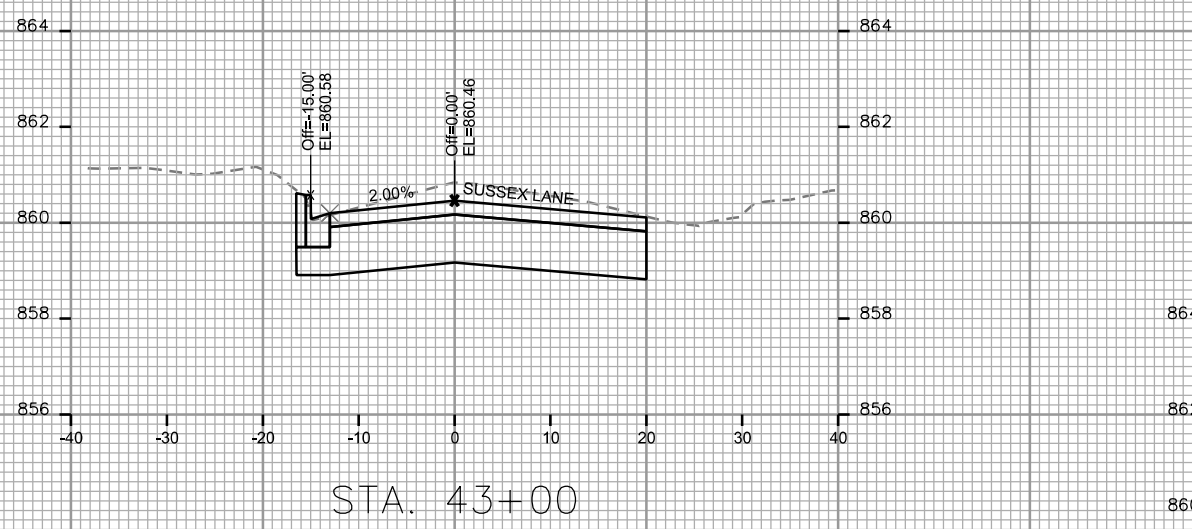
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

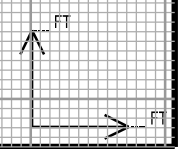
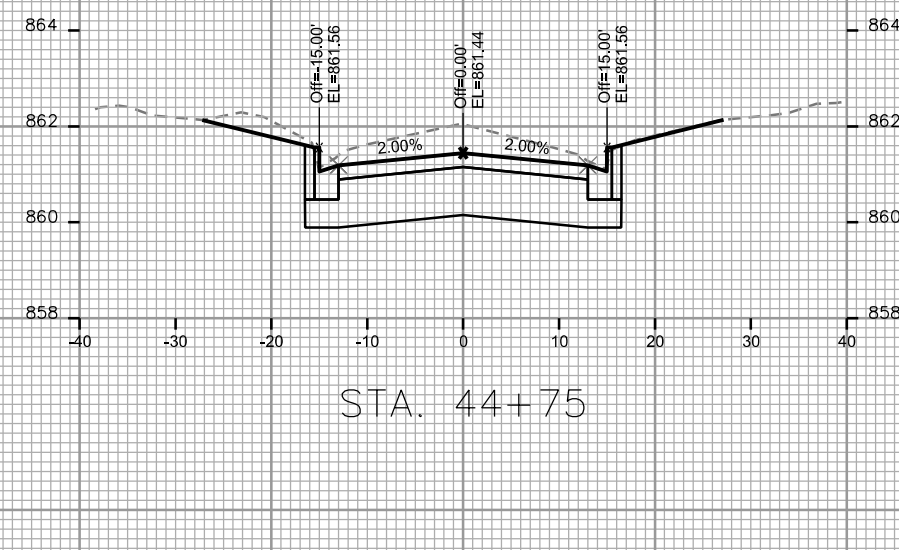
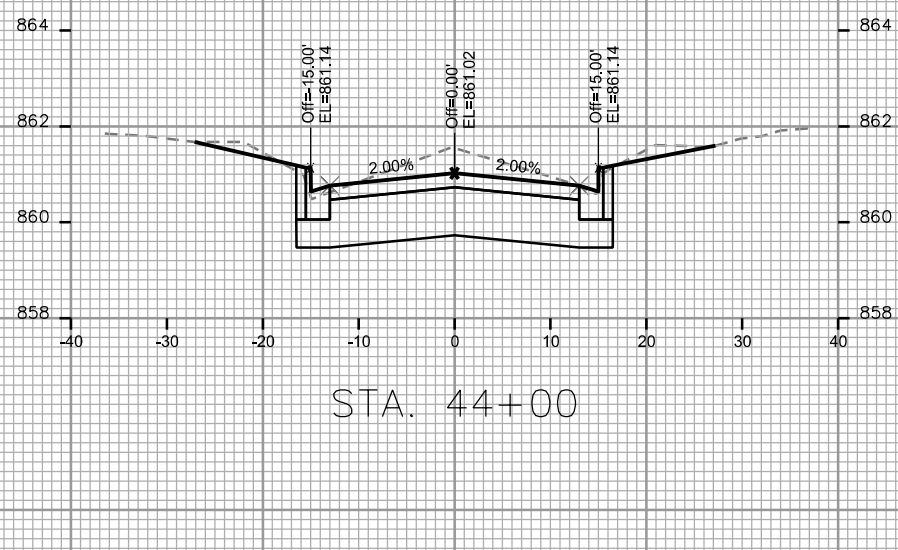
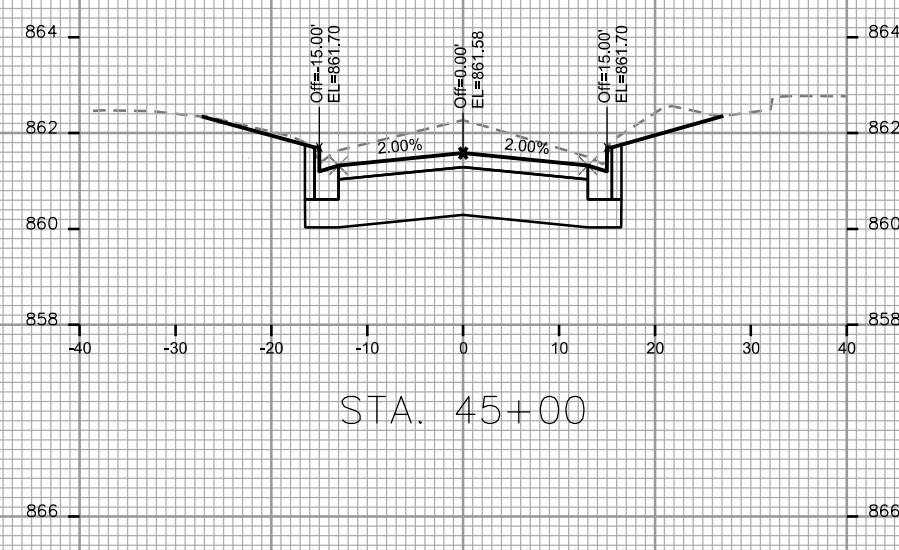
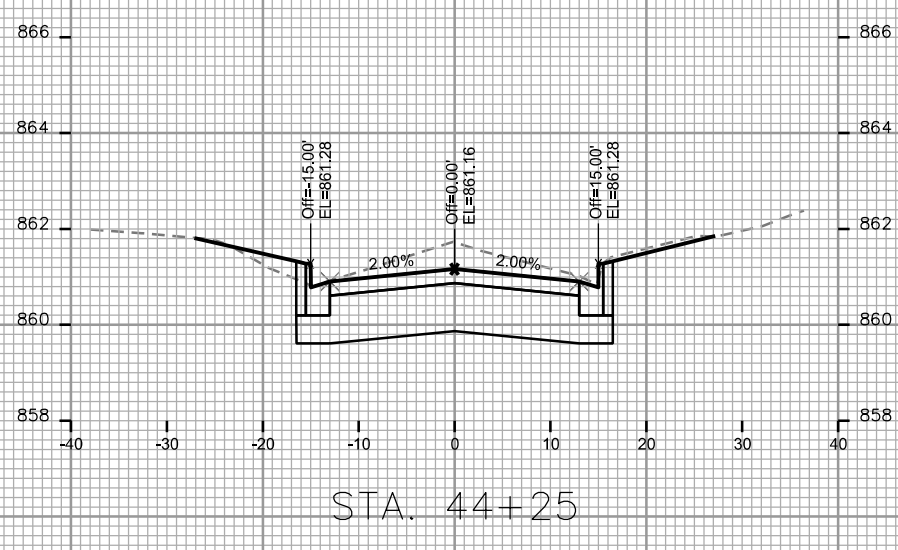
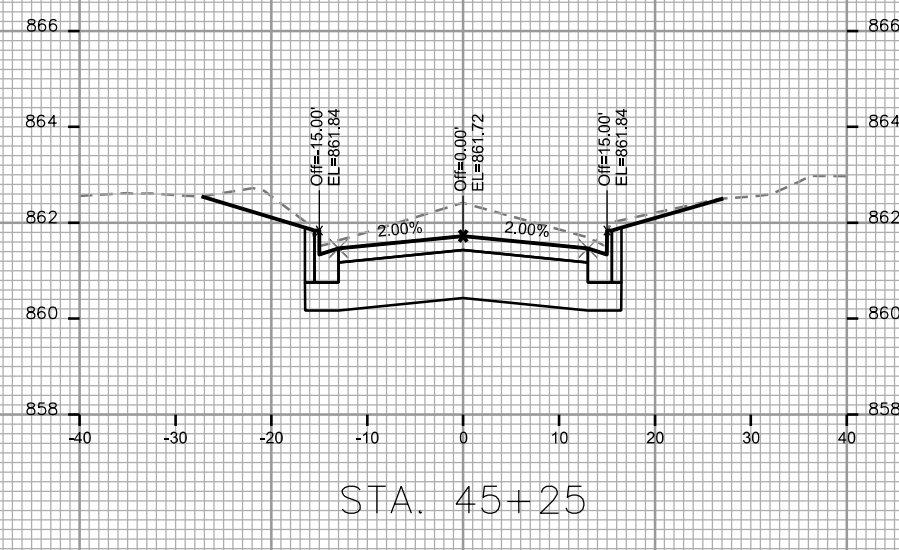
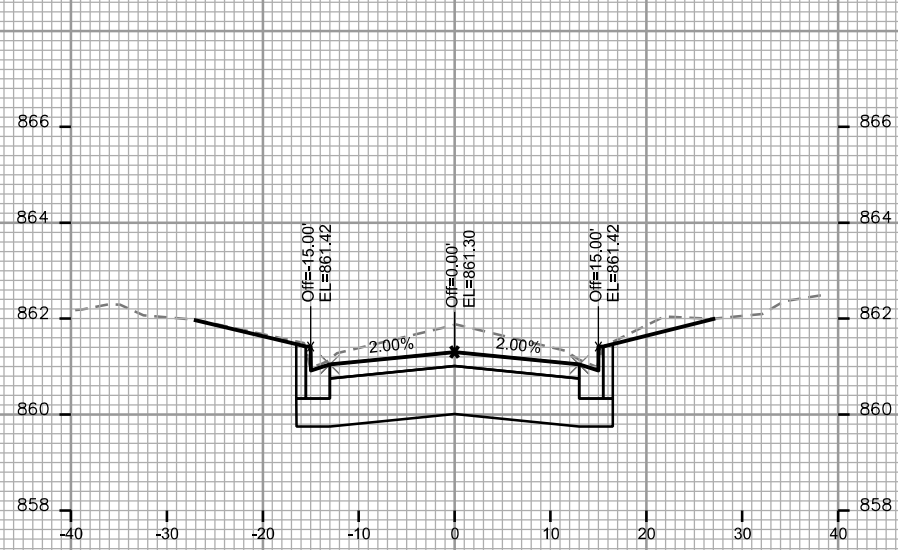
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PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



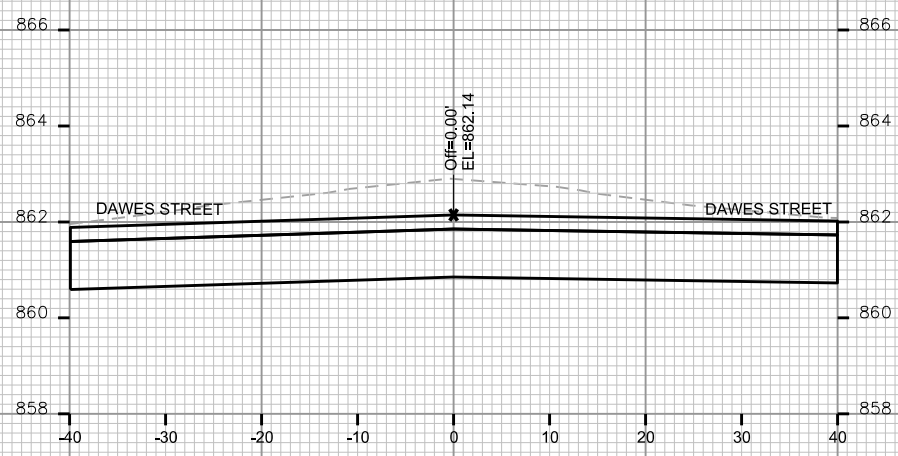


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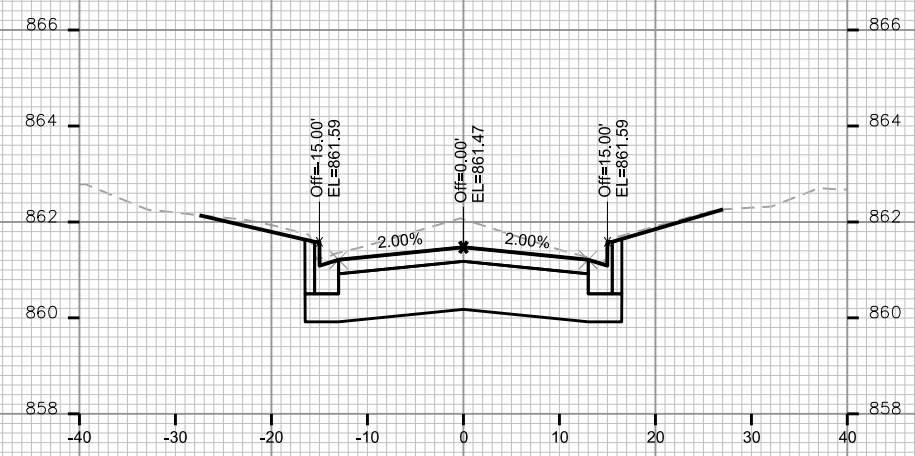
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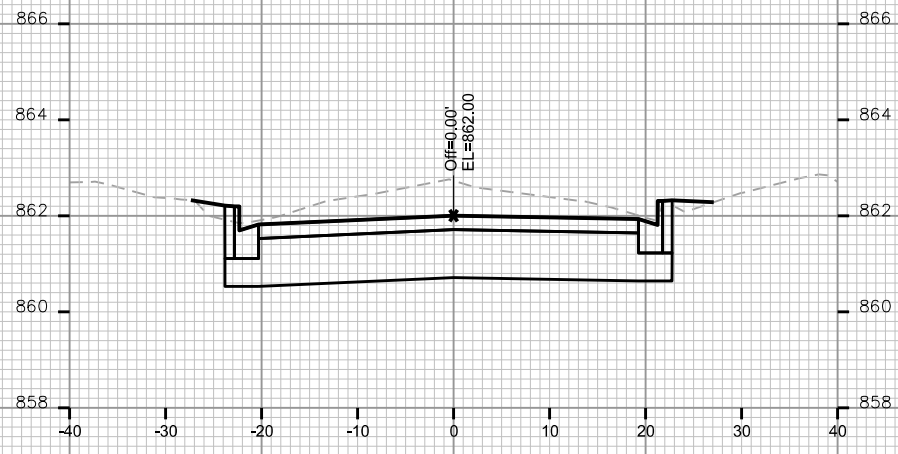
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



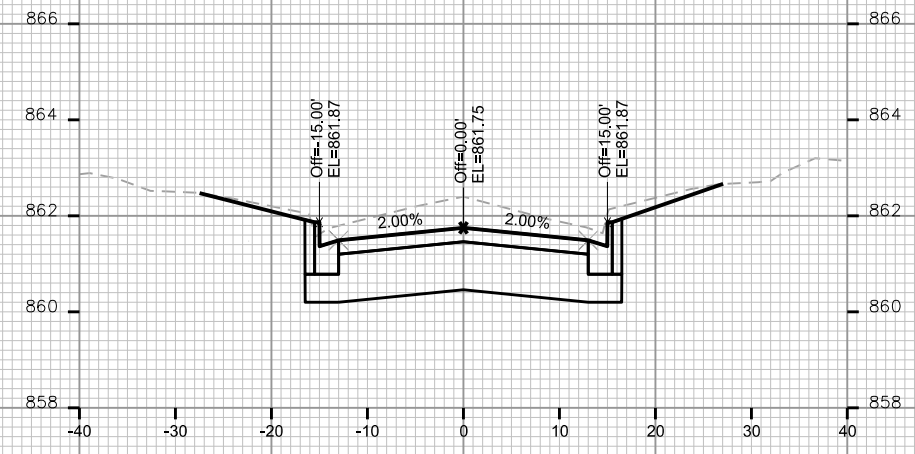
STA. 46+00



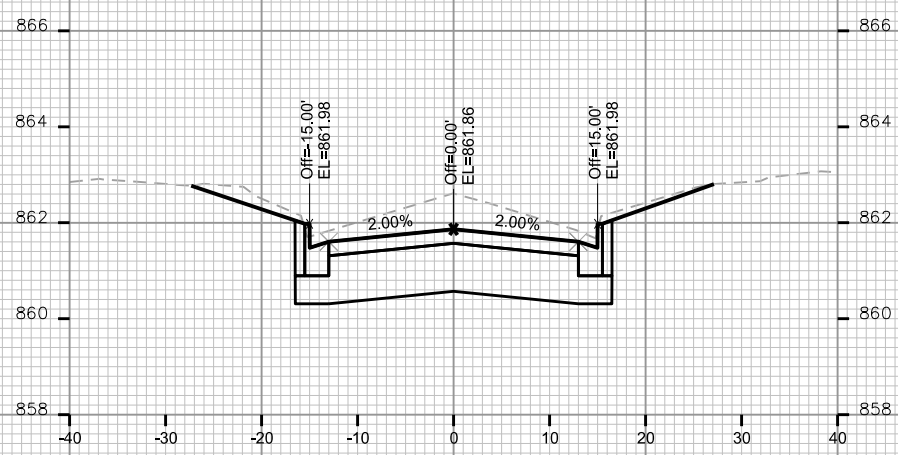
STA. 46+75



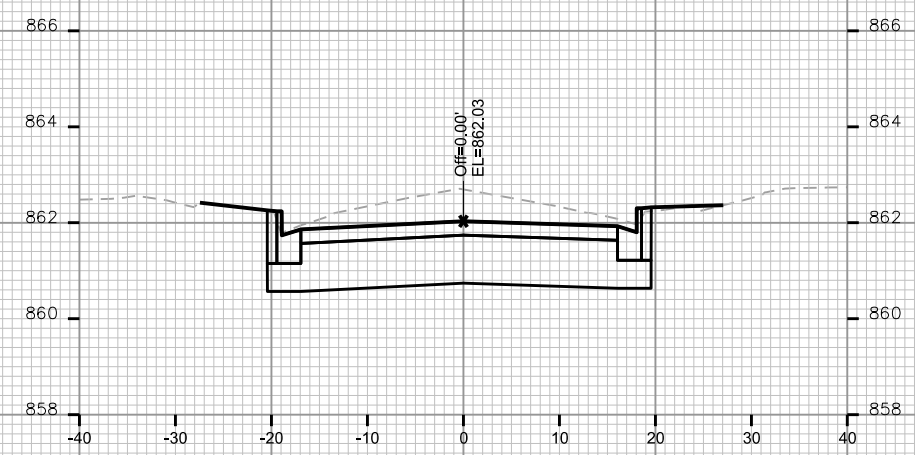
STA. 45+75



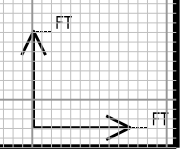
STA. 46+50



STA. 45+50



STA. 46+25

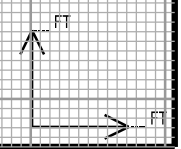
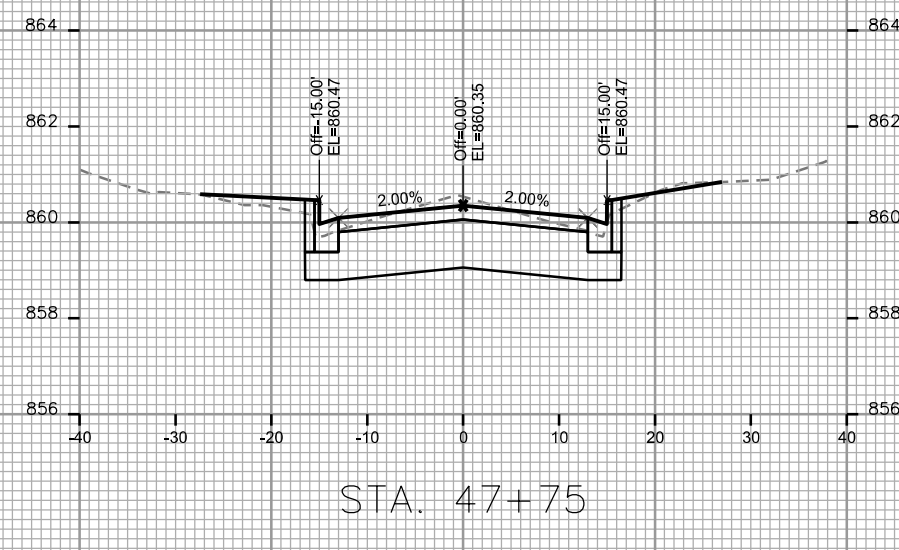
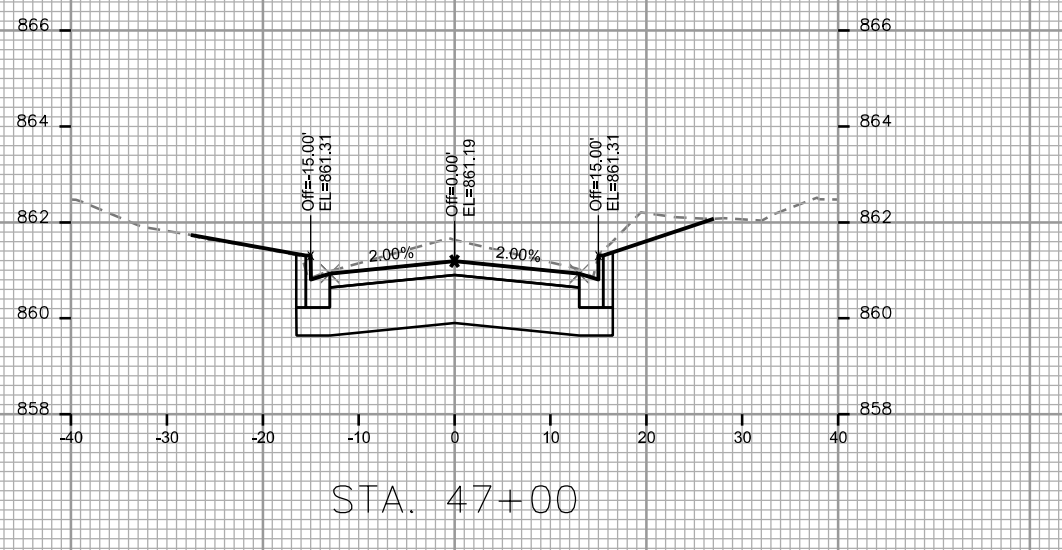
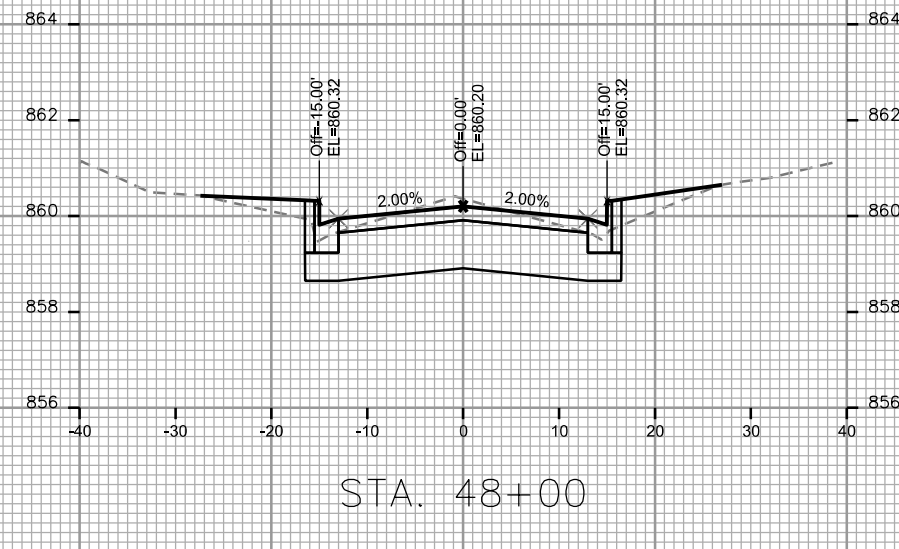
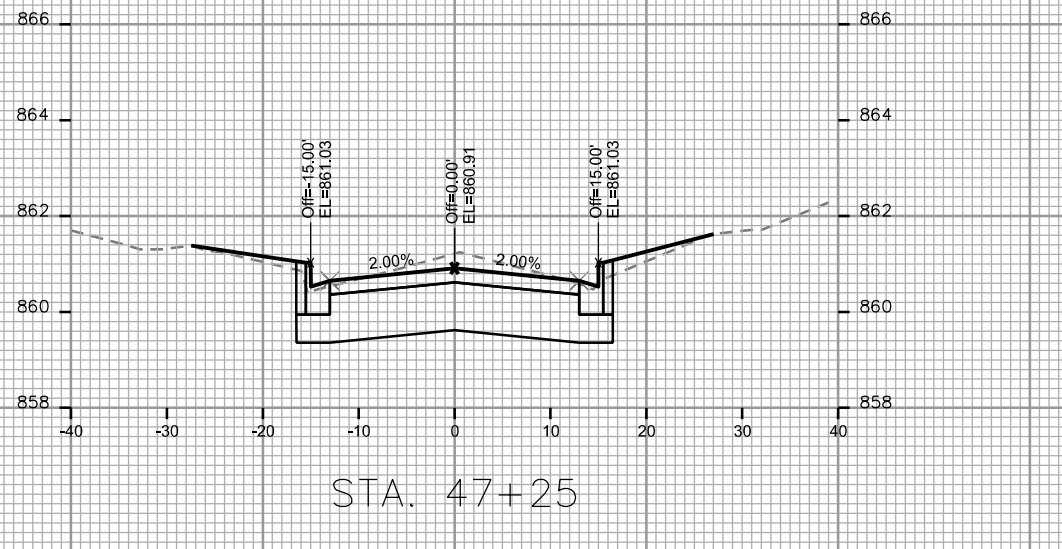
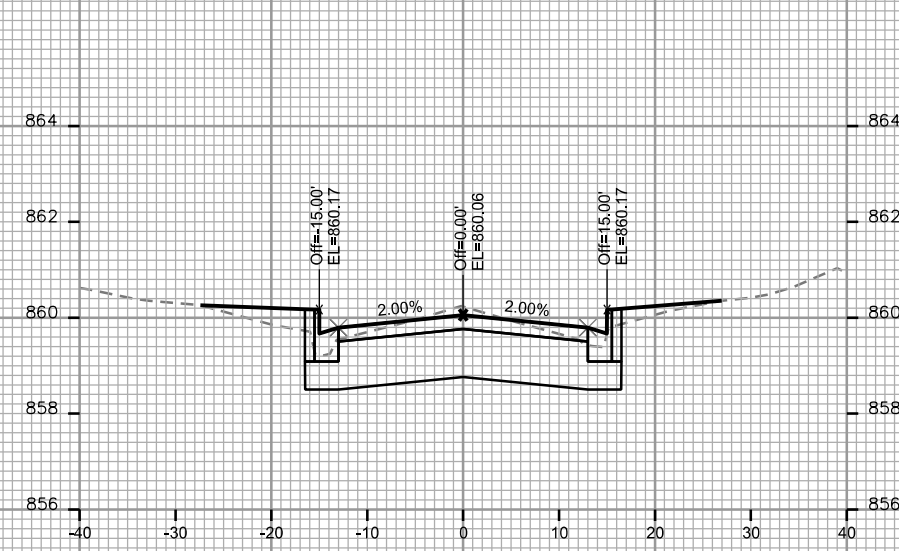
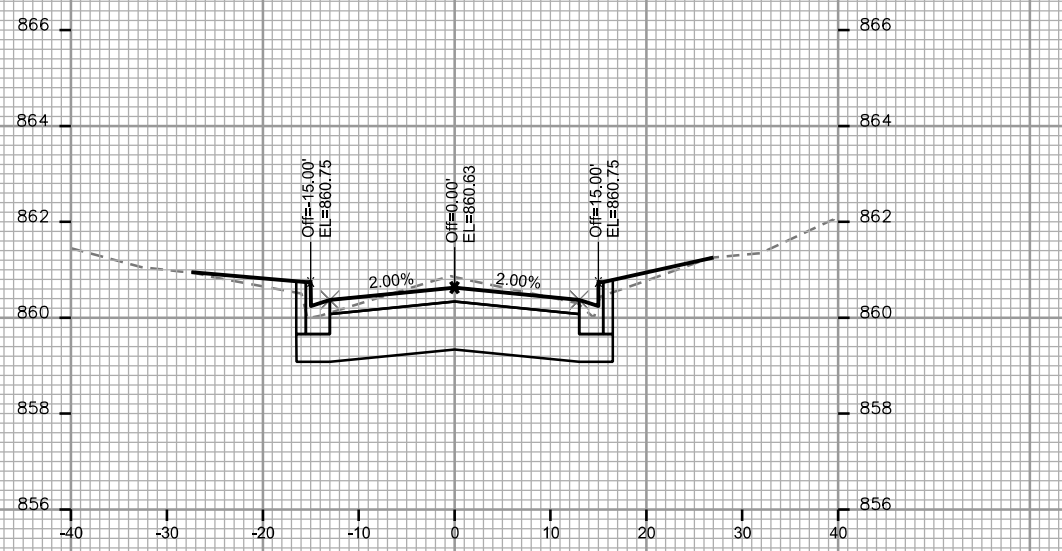


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

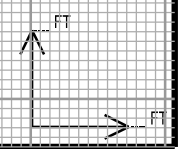
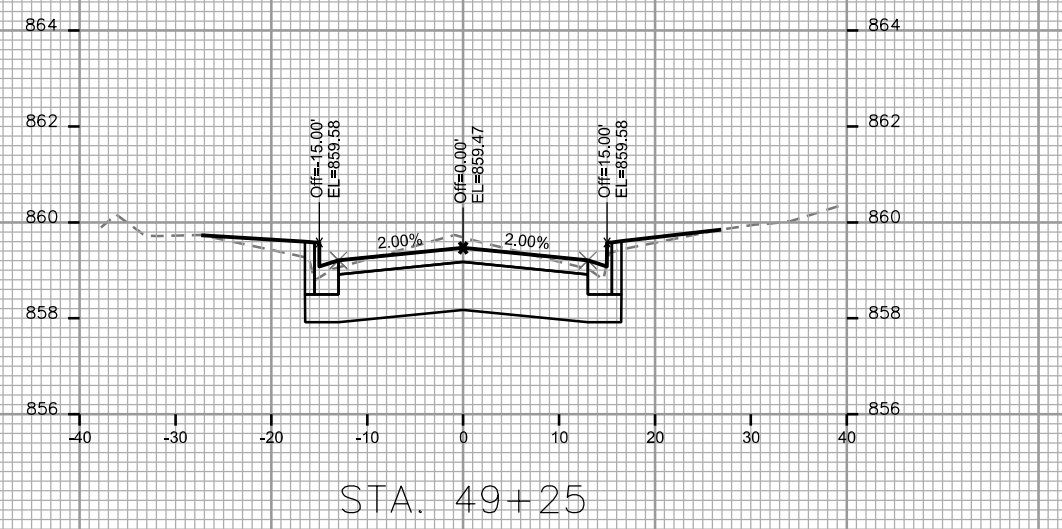
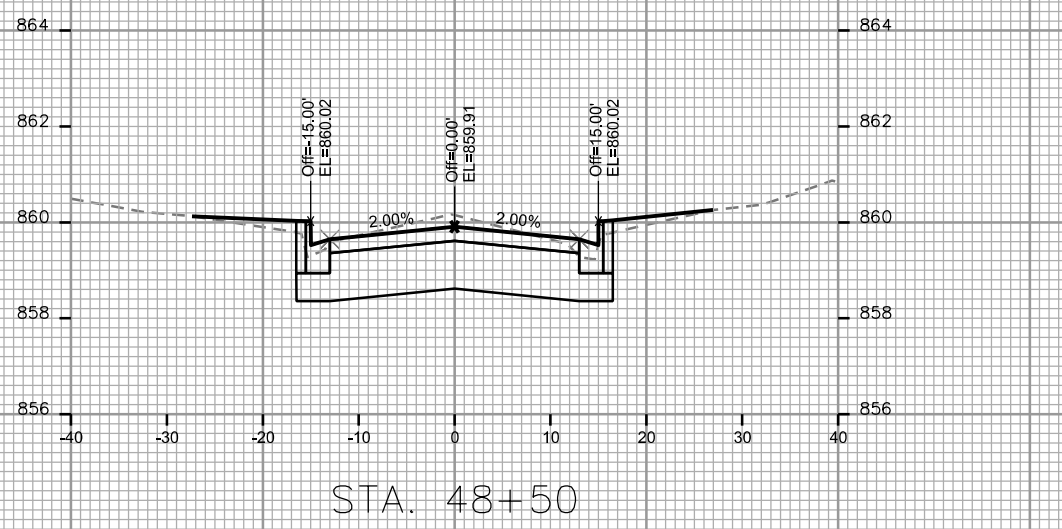
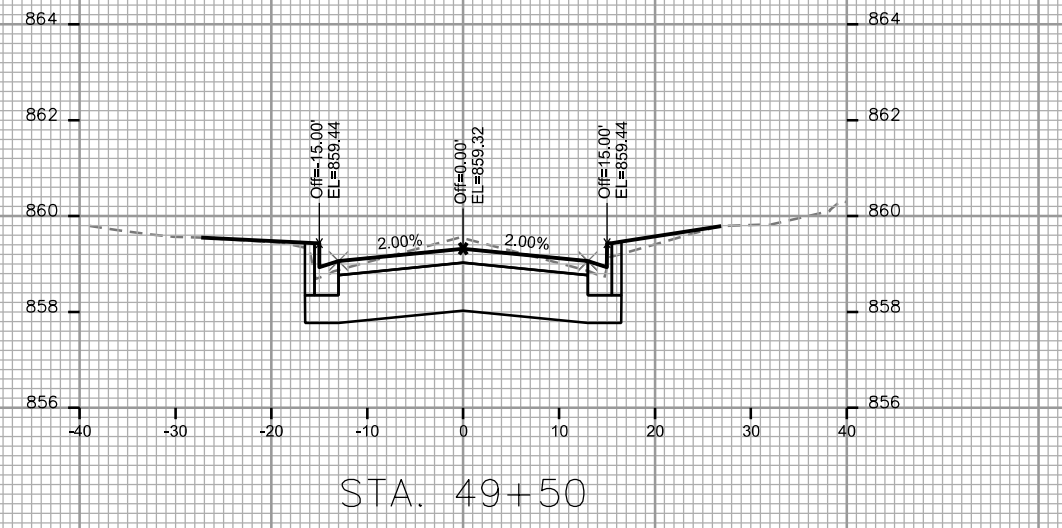
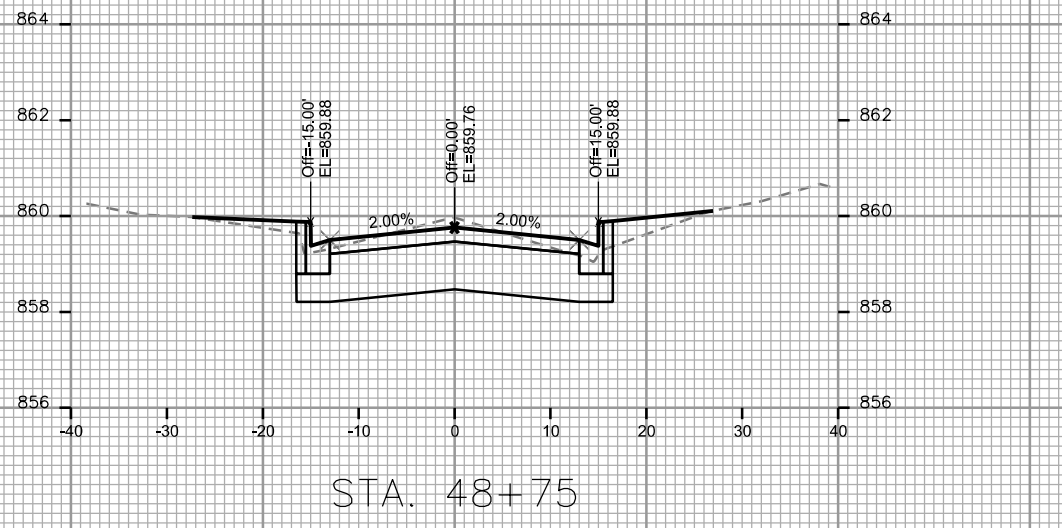
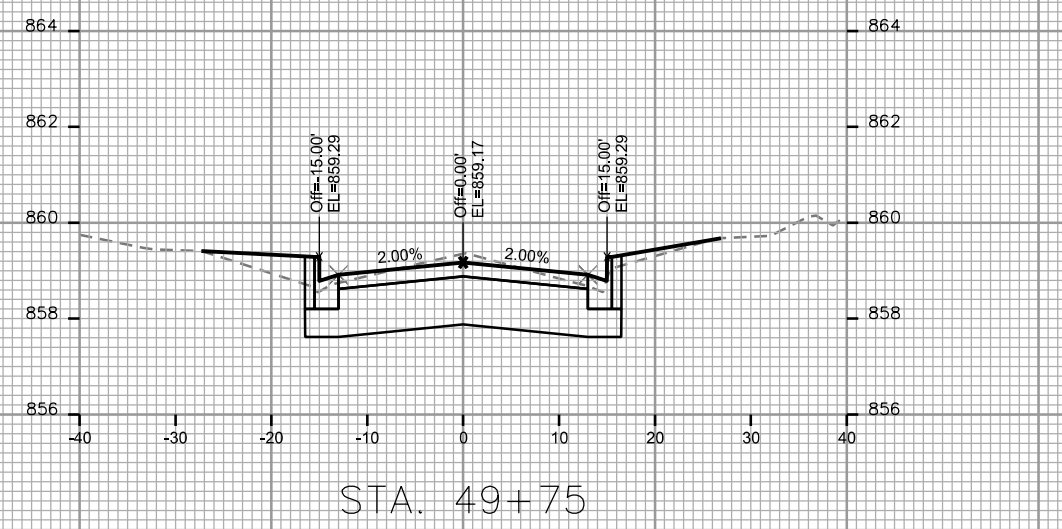
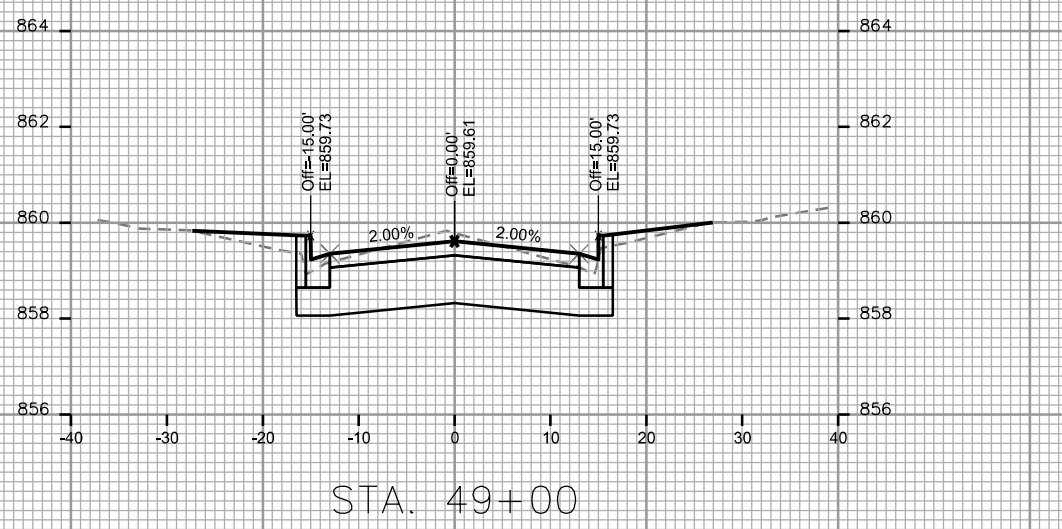


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

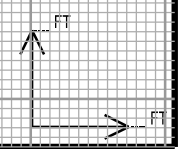
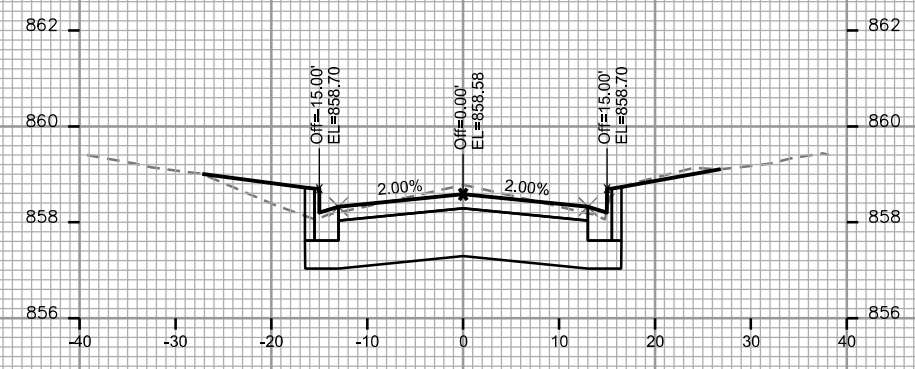
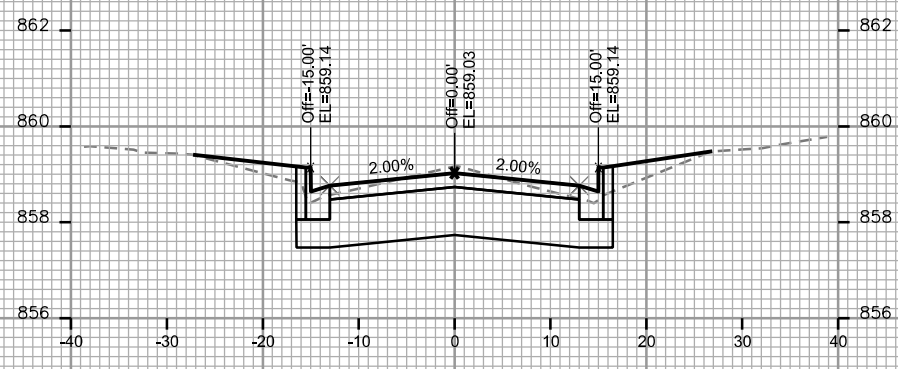
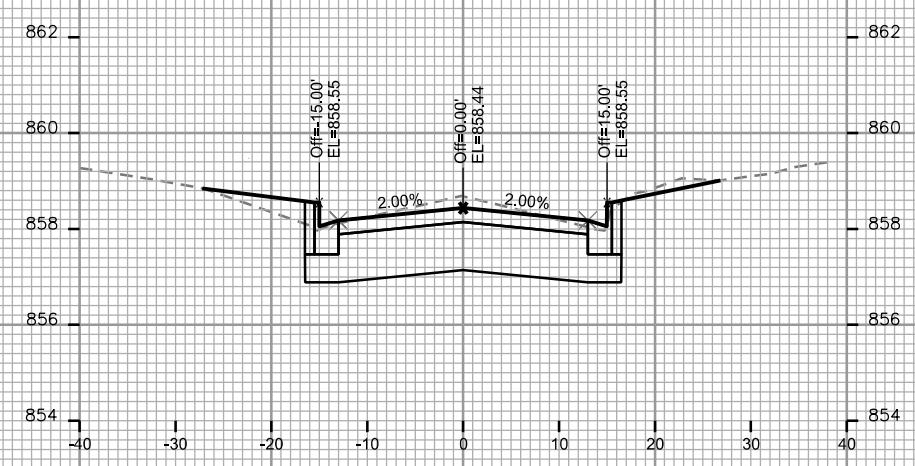
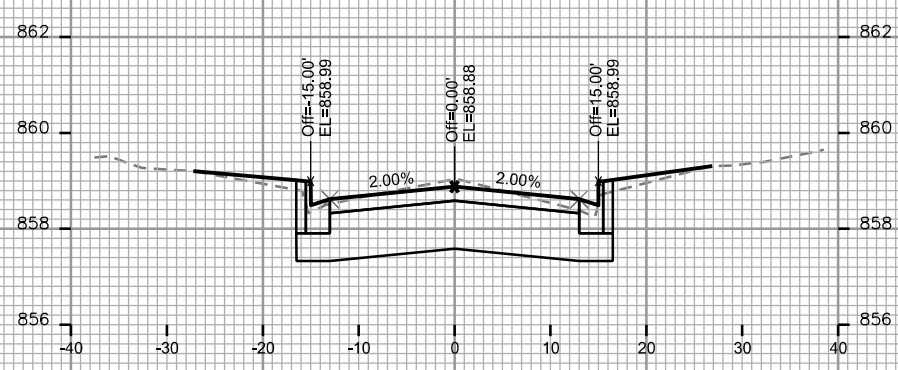
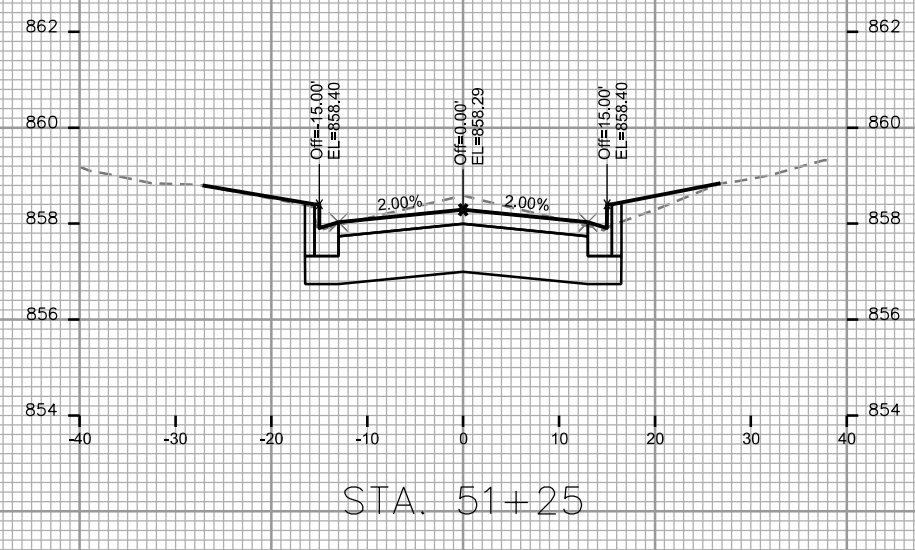
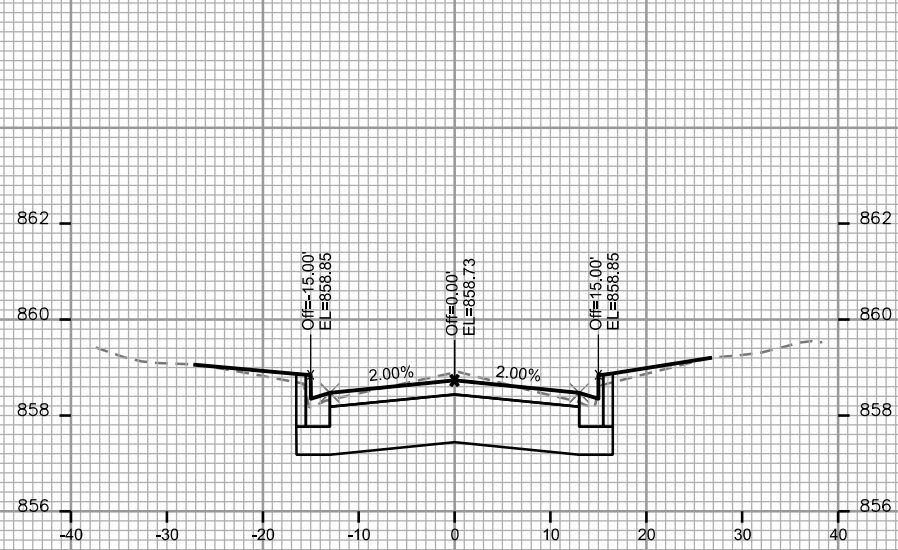


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

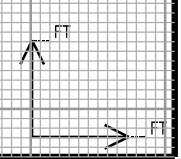
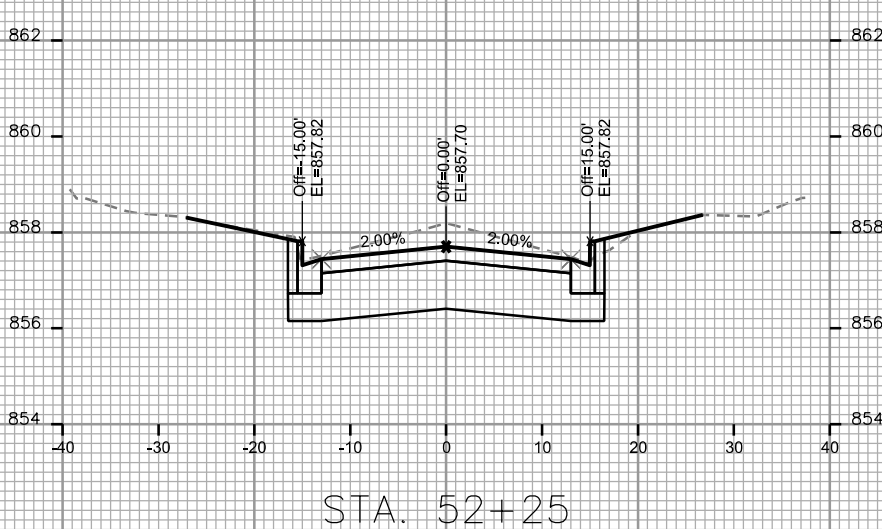
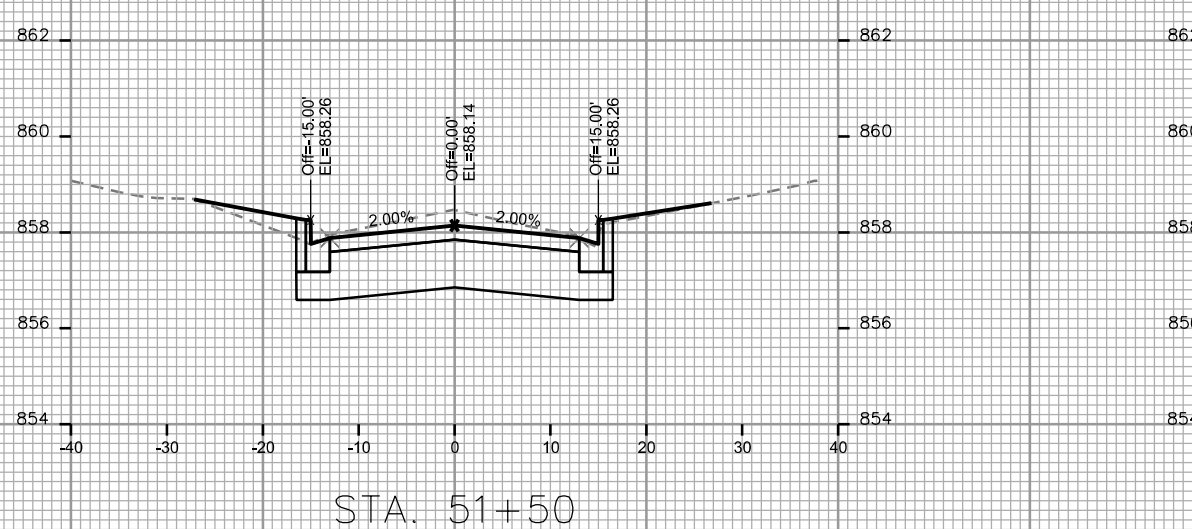
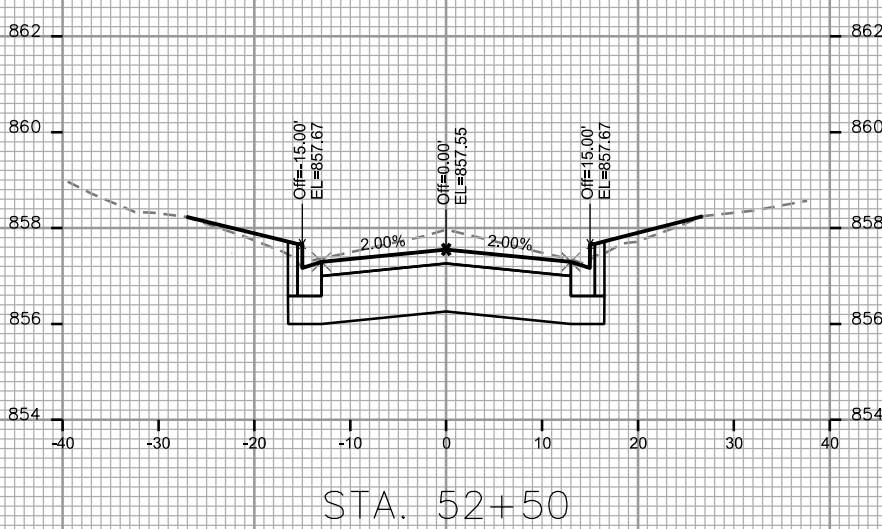
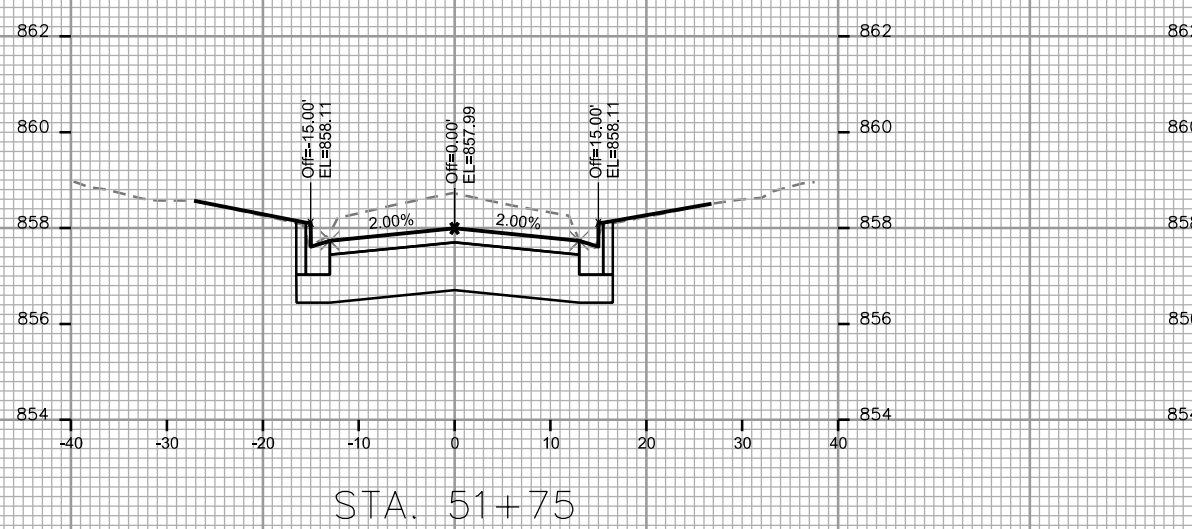
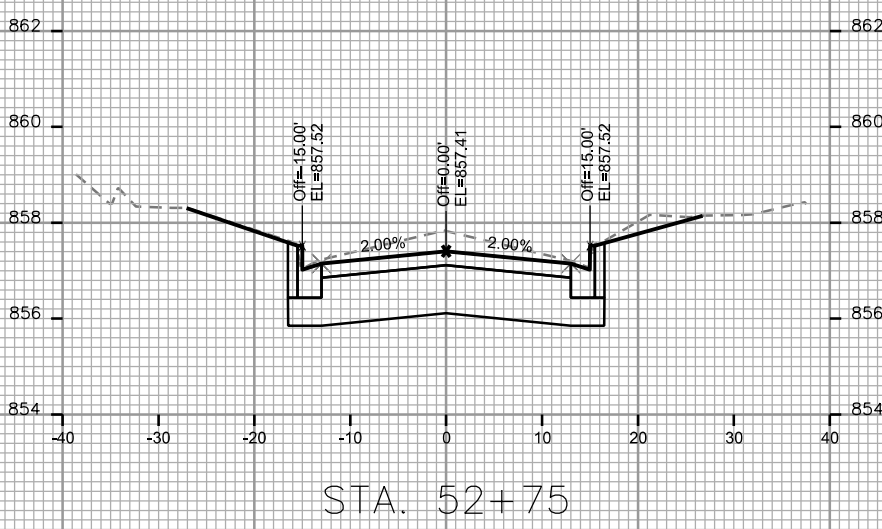
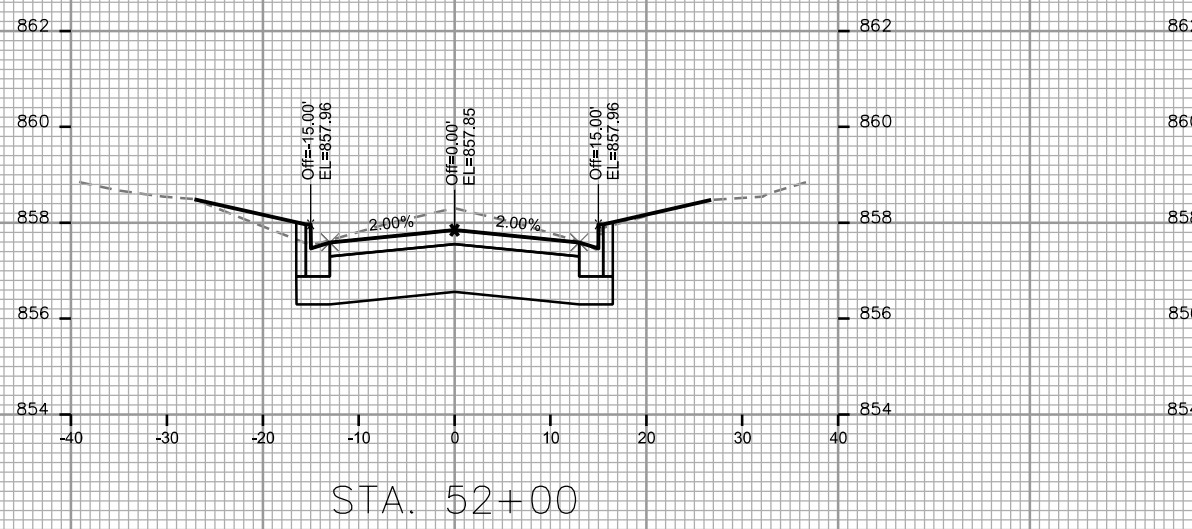


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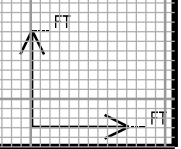
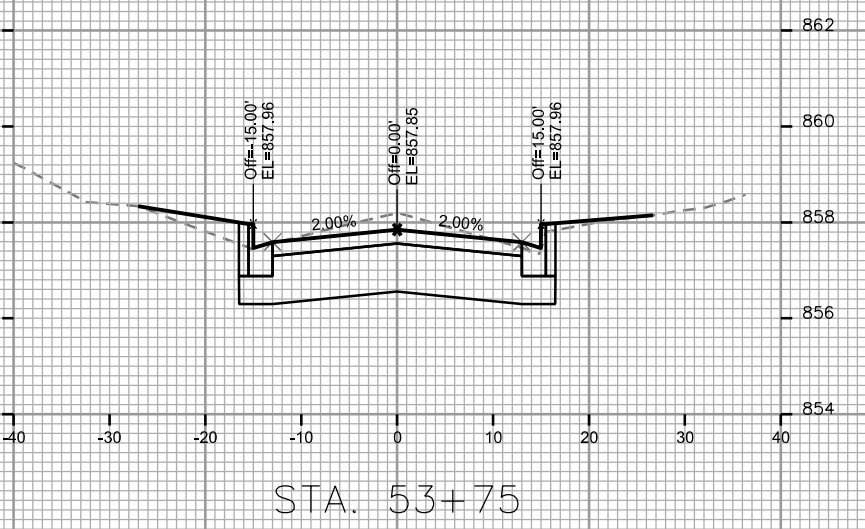
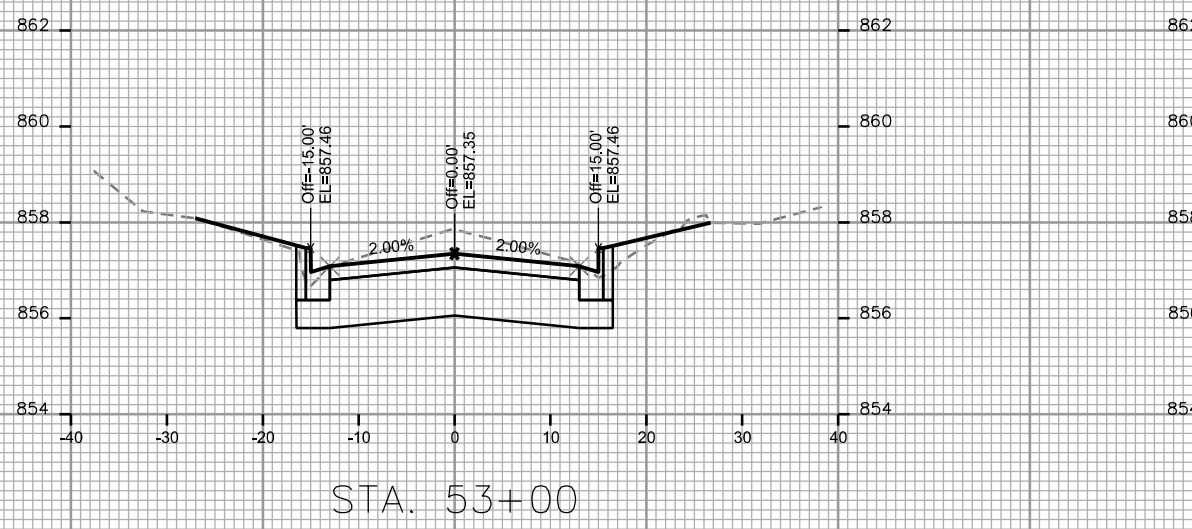
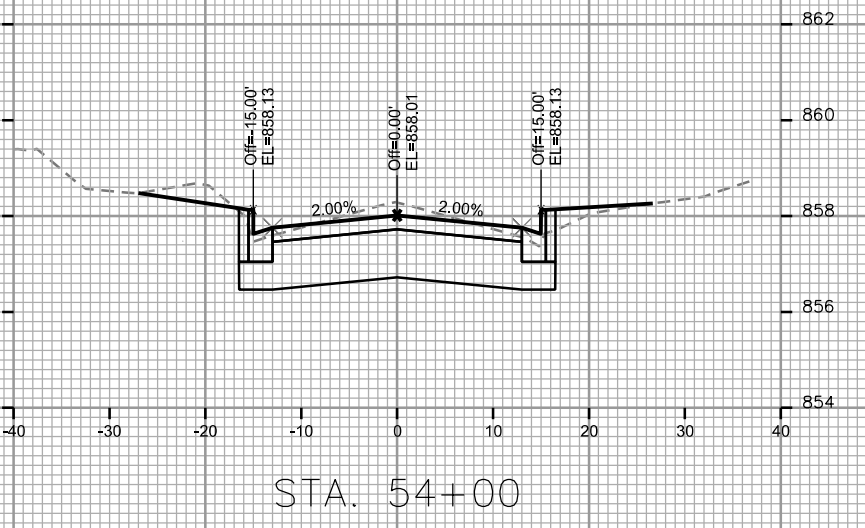
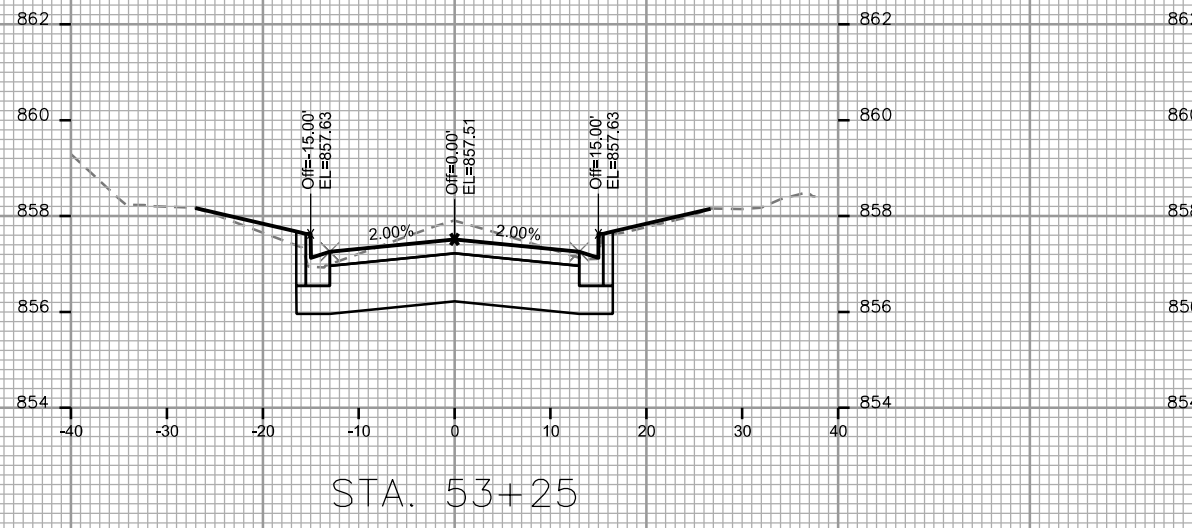
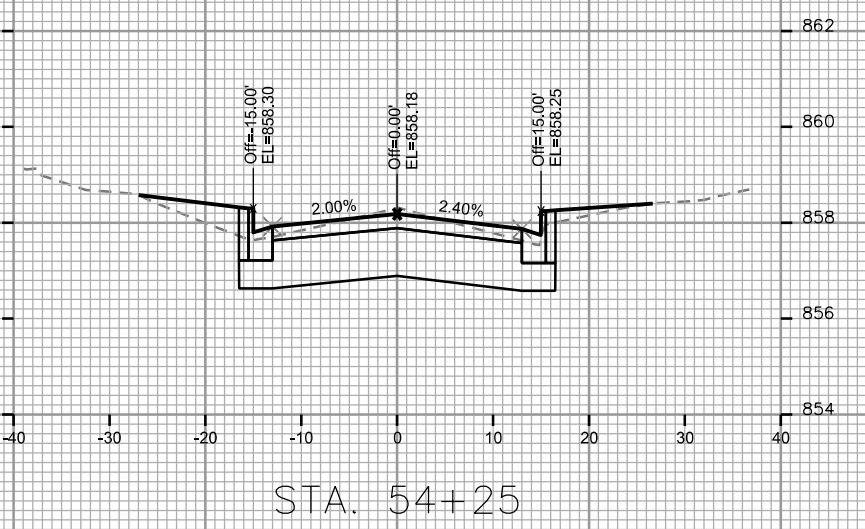
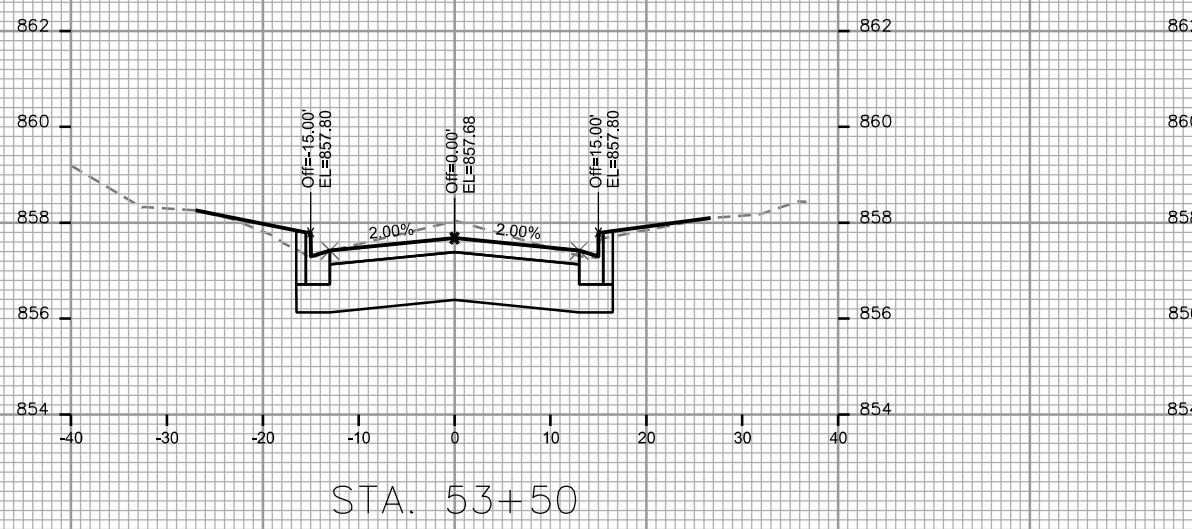


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

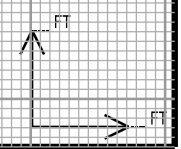
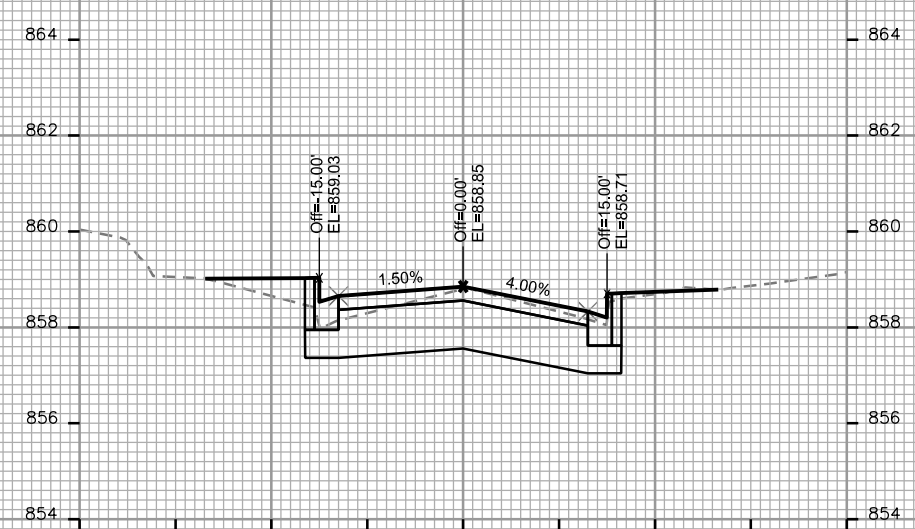
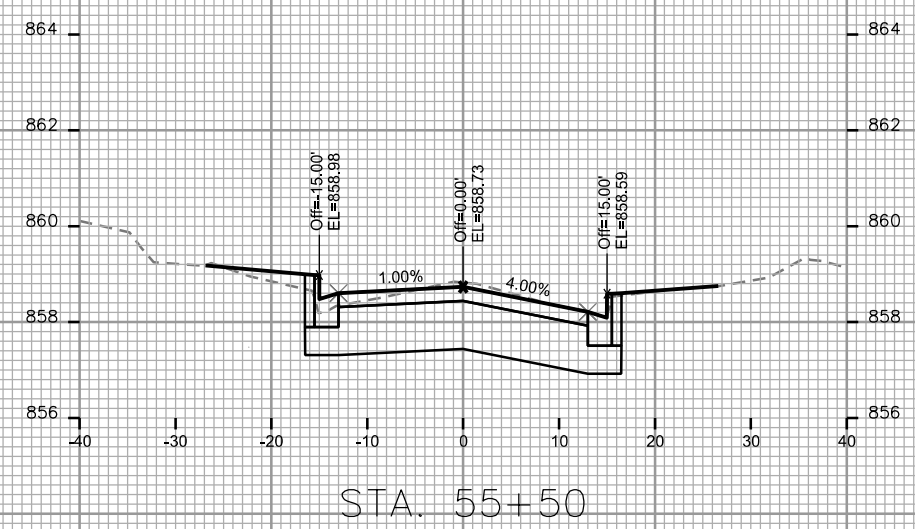
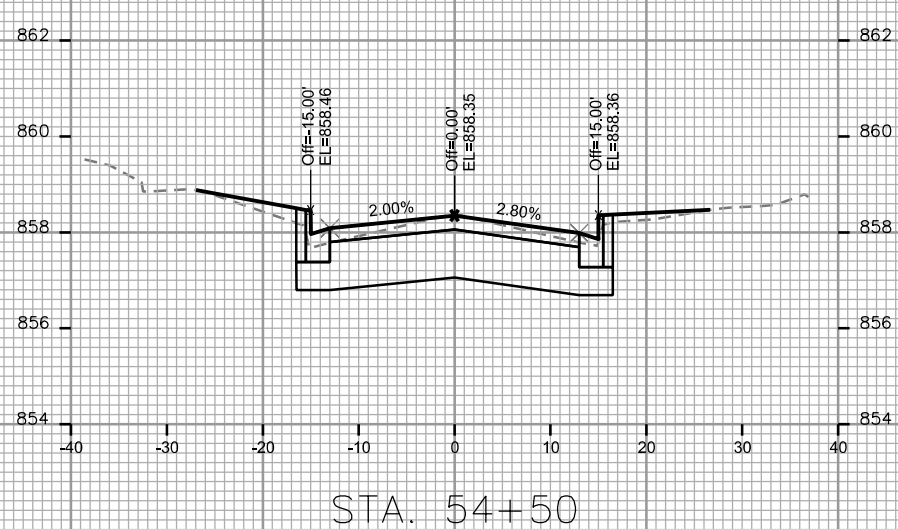
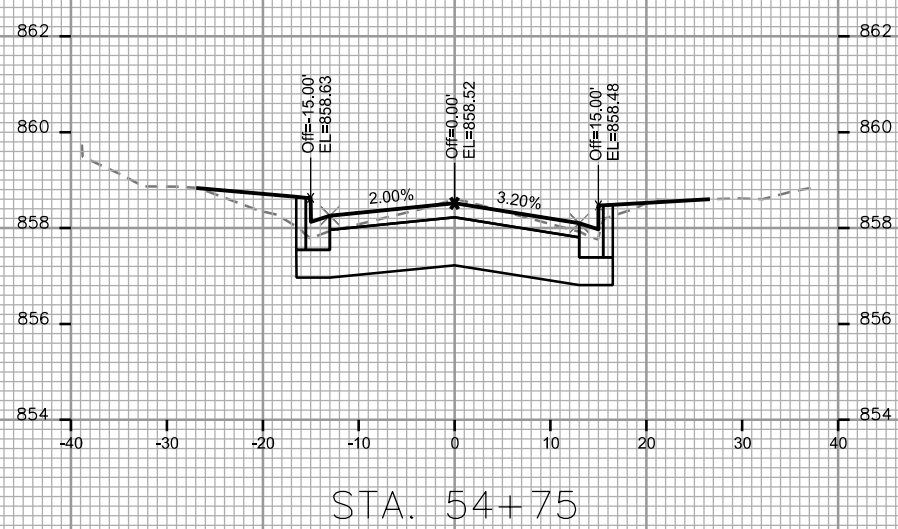
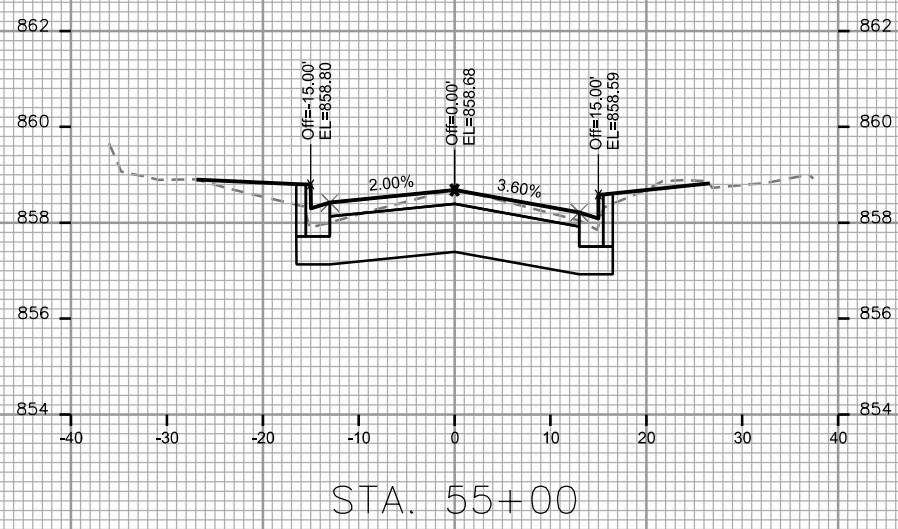
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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CROSS SECTIONS

SCHENK STREET

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

