

Madison, Wisconsin

# CITY OF MADISON

CITY ENGINEERING DIVISION  
DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017

CITY PROJECT NO. 11470  
CONTRACT NO. 7976

PUBLIC IMPROVEMENT PROJECT  
APPROVED

SEPTEMBER 5, 2017

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 10/6/17  
City Engineer Date

INDEX OF SHEETS

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D1	EROSION CONTROL PLAN
EC1-EC3	N. BLAIR STREET PLAN & PROFILE
P1-P3	UTILITIES PLAN & PROFILE
U1-U3	SEWER SCHEDULES
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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

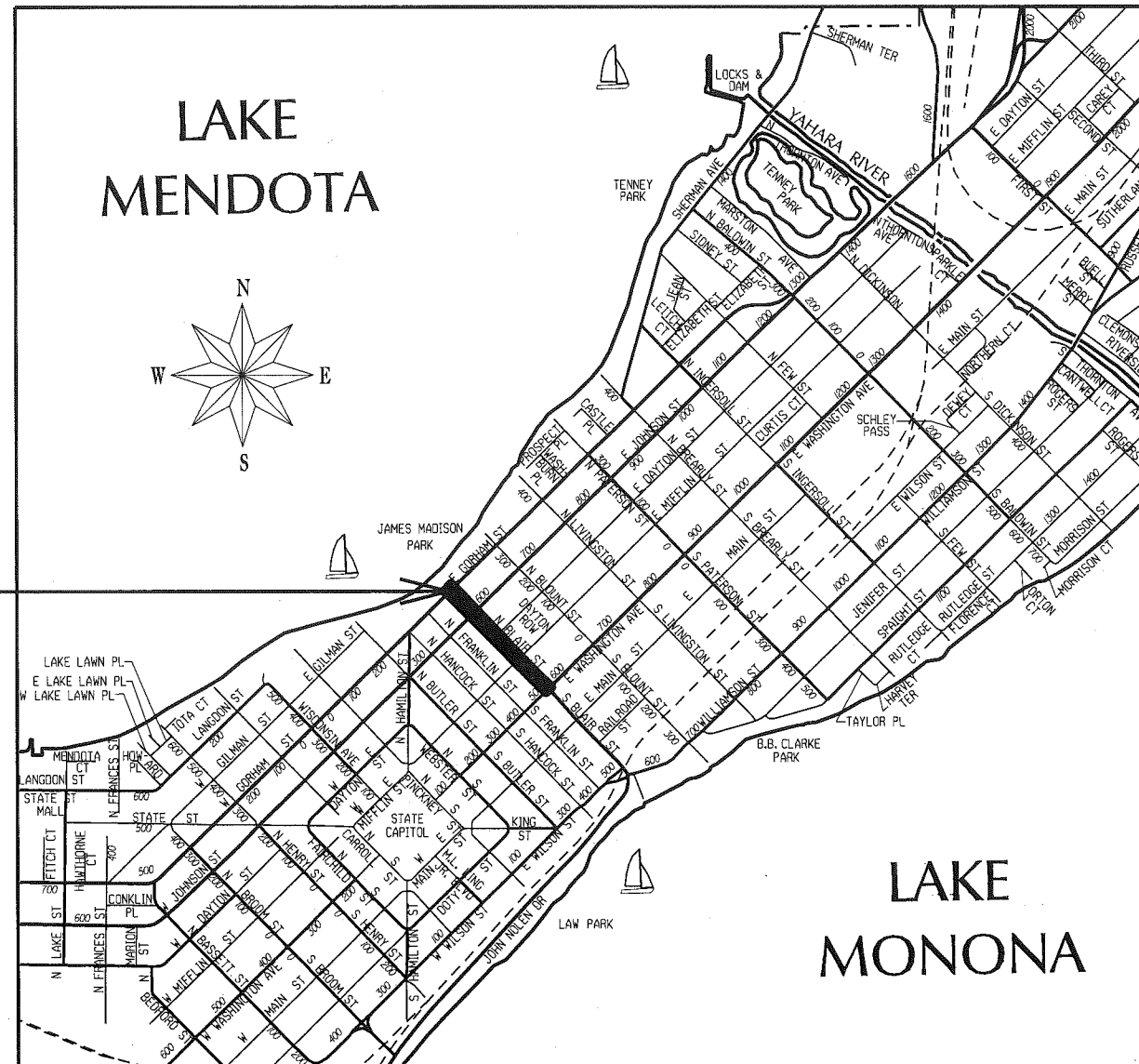
NOTES:

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 1.50%. 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)	2416 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	850 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT	3266 C.Y.



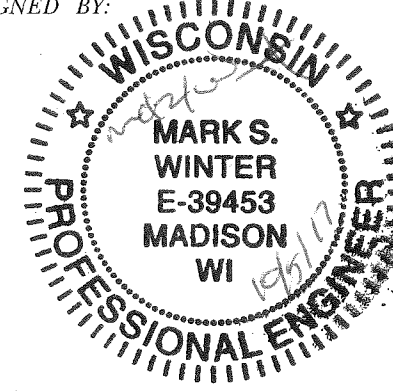
WATER MAIN  
DESIGNED BY:



STREET  
DESIGNED BY:



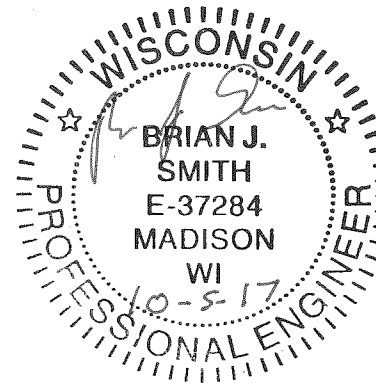
GEOMETRICS &  
PAVEMENT MARKINGS  
DESIGNED BY:



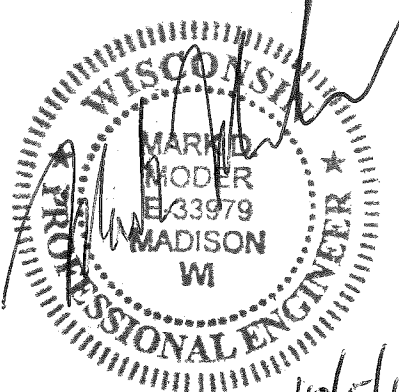
STORM SEWER  
DESIGNED BY:



ELECTRICAL  
DESIGNED BY:



SANITARY SEWER  
DESIGNED BY:

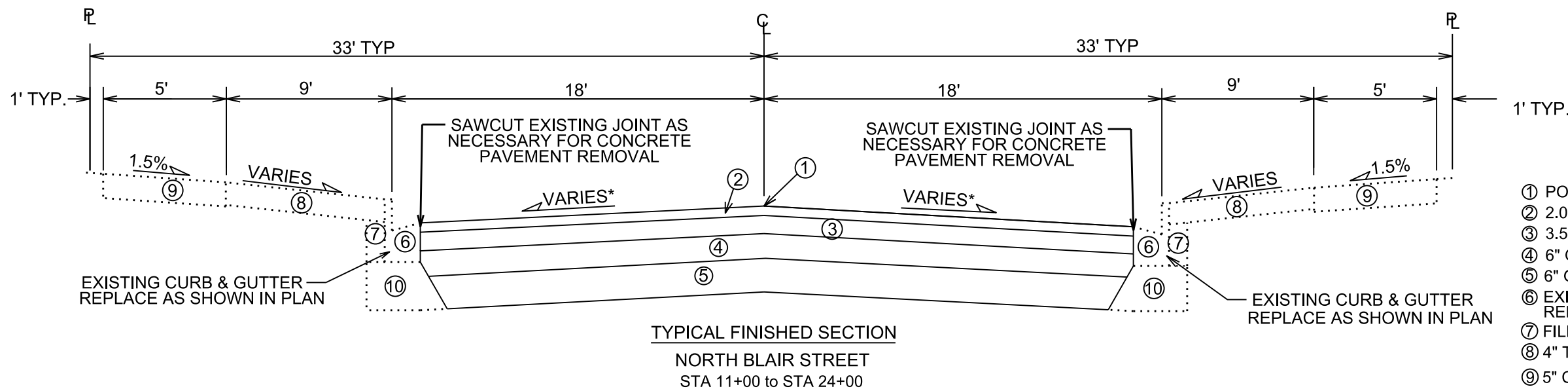


PLOT SCALE:

PLOT NAME:

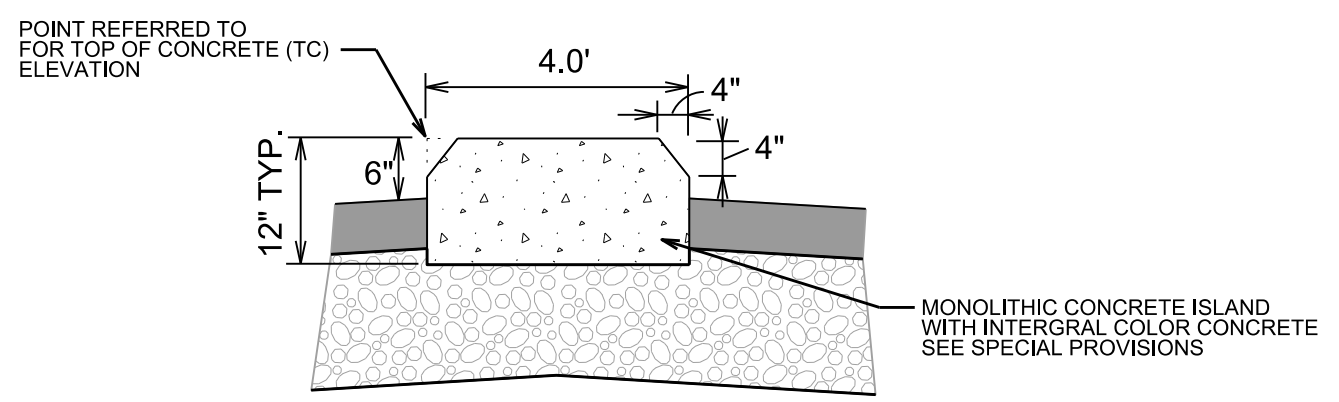
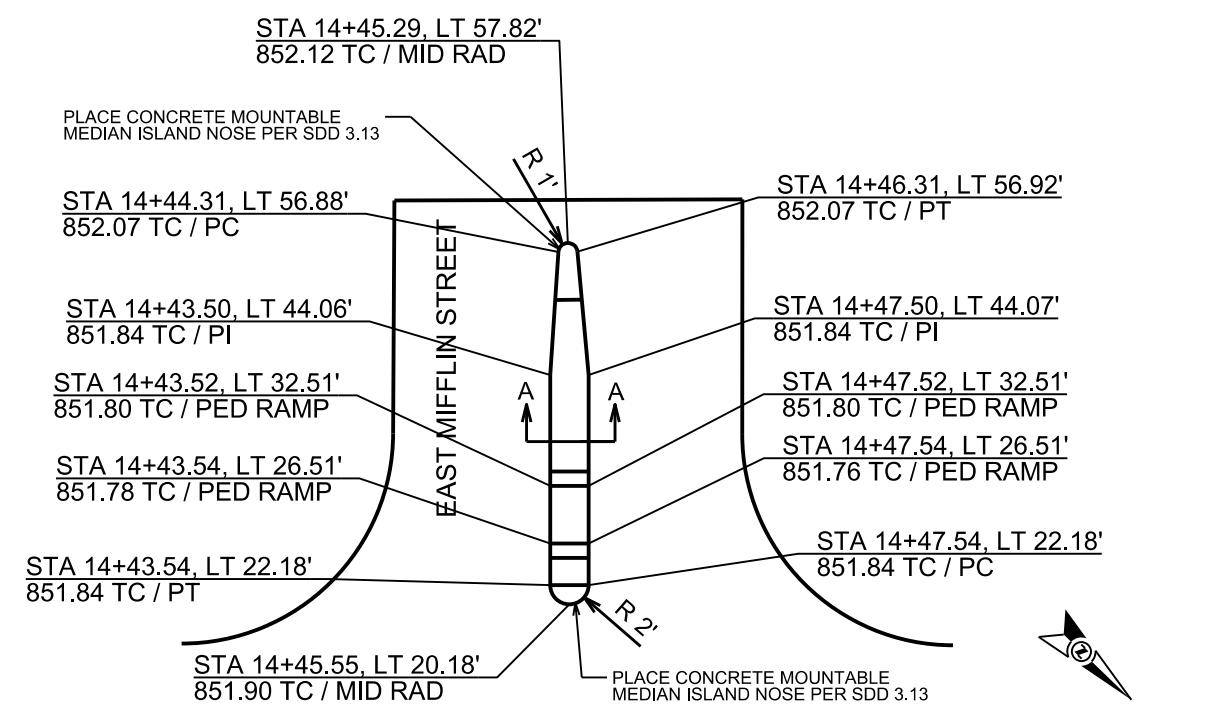
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

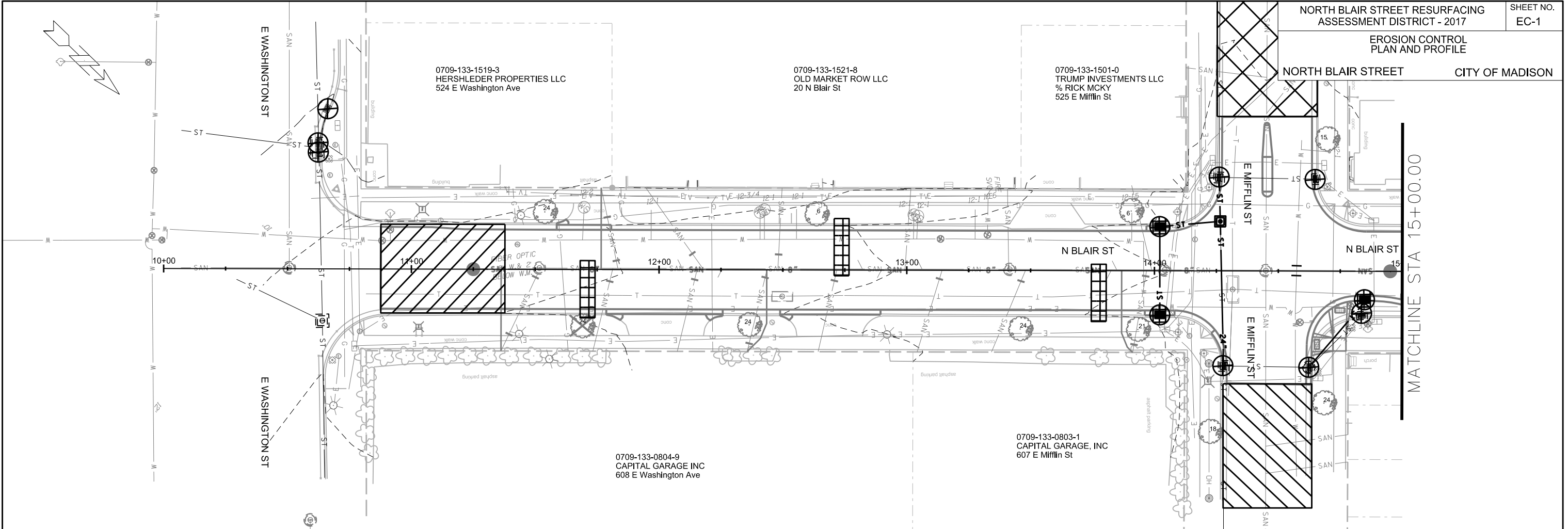


- ① POINT REFERRED TO ON PROFILE
- ② 2.0" BITUMINOUS UPPER LAYER, TYPE E-3
- ③ 3.5" BITUMINOUS LOWER LAYER, TYPE E-3
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ EXISTING CONCRETE CURB & GUTTER  
REPLACE AS NOTED IN PLAN
- ⑦ FILL, INCIDENTAL WHERE CURB IS REPLACED
- ⑧ 4" TOPSOIL, SEED & MAT - RESTORE DISTURBED AREAS
- ⑨ 5" CONCRETE SIDEWALK, REPLACE AS NOTED IN PLAN
- ⑩ PLACE CRUSHED STONE AS REQUIRED WHERE  
CURB IS REPLACED

\* SEE CROSS SECTION SHEETS FOR CROSS  
SLOPES AND TOP OF CURB ELEVATIONS.  
TYPICAL SECTIONS NOT TO SCALE



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



**EROSION CONTROL 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.

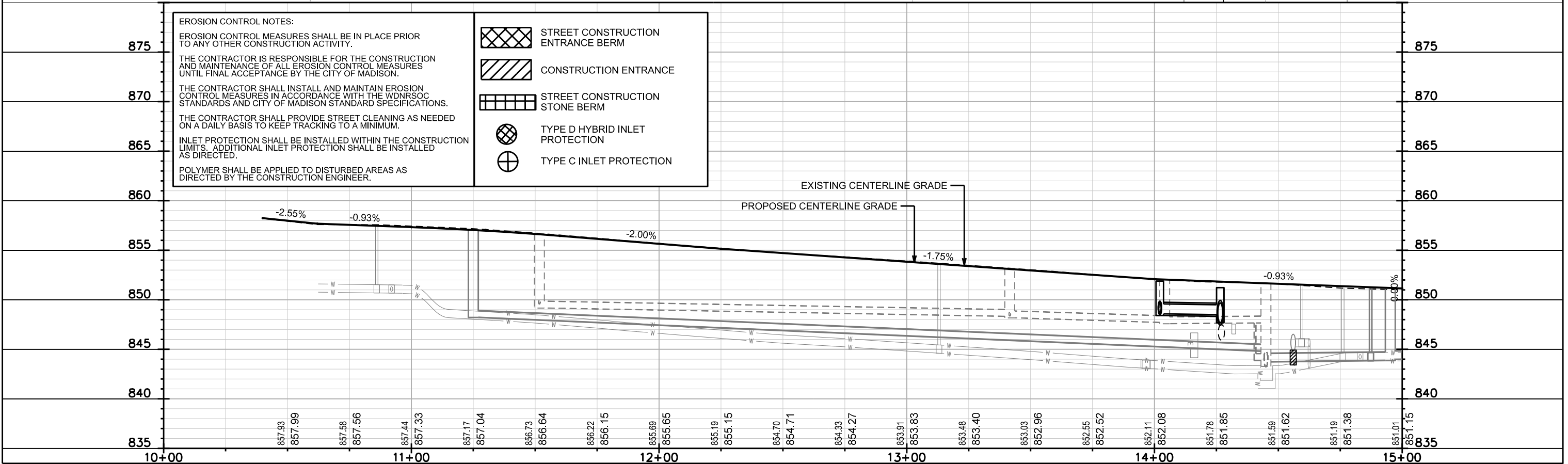
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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.

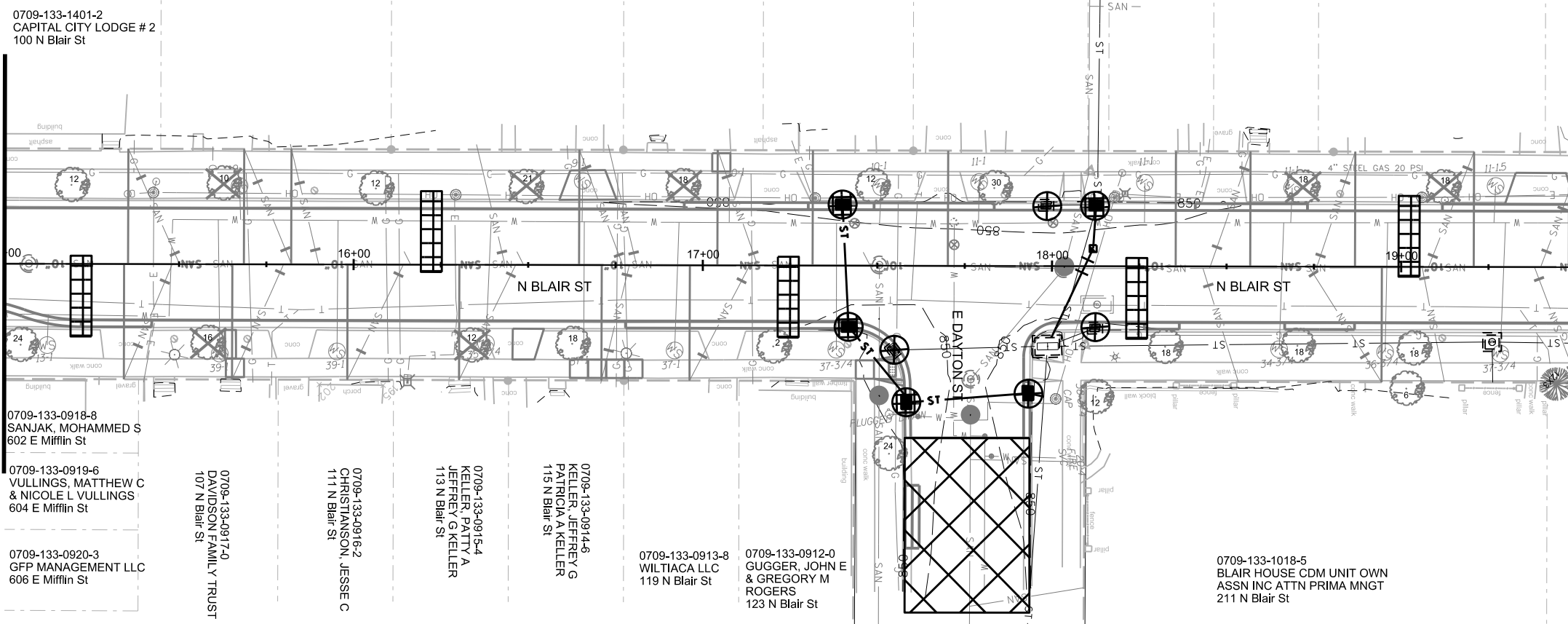
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

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



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

0709-133-1433-5 CAPITAL VIEW LLC 516 E Mifflin St  
 0709-133-1402-0 CAPITAL VIEW LLC 106 N Blair St  
 0709-133-1403-8 KNIGHT BUILDERS LLC 110 N Blair St  
 0709-133-1404-6 HOFFMAN, DUWAYNE 120 N Blair St  
 0709-133-1405-4 SANJAK, MOHAMMED S 126 N Blair St  
 0709-133-1406-2 BUCKDADDY LLC 130 N Blair St  
 0709-133-1436-9 CITY OF MADISON ENGINEER WALKWAYS & BIKEPATHS 536 142 N Blair St  
 0709-133-1407-0 JEEVES LLC 202 N Blair St  
 0709-133-1408-8 JEEVES LLC 206 N Blair St  
 0709-133-1409-6 MADISON DOWNTOWN PROPERTIES LLC 210 N Blair St



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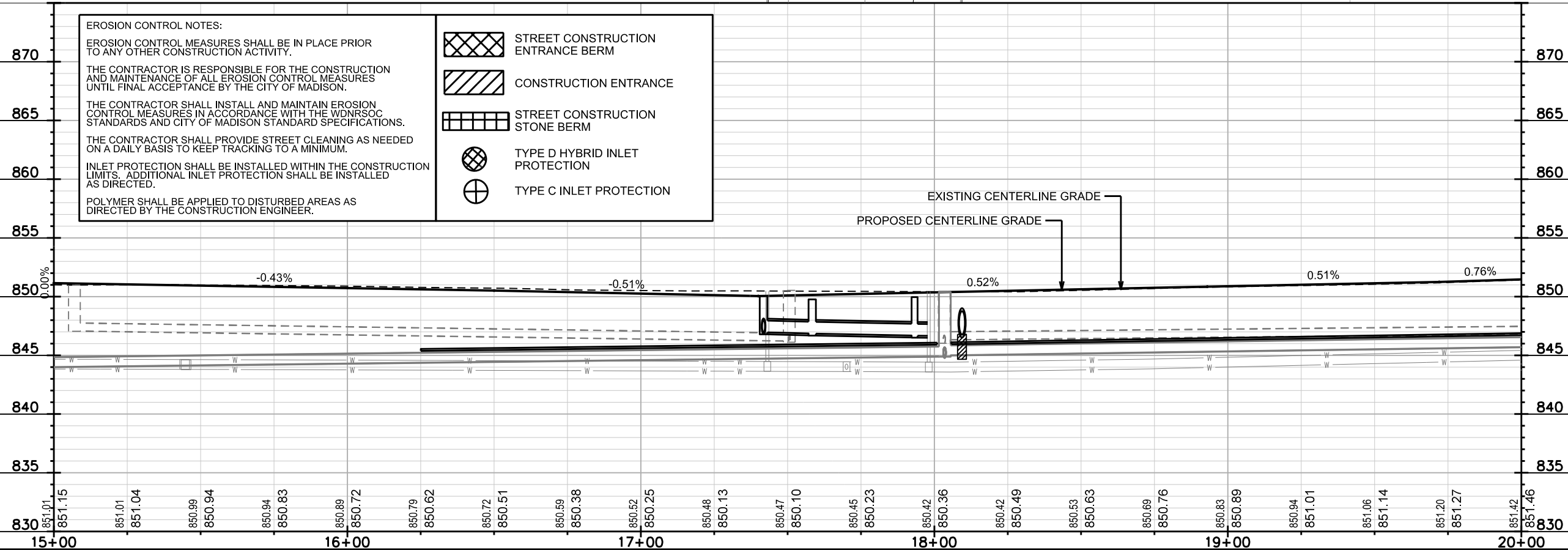
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	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
	STREET CONSTRUCTION STONE BERM
	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION



870  
865  
860  
855  
850  
845  
840  
835  
830

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

851.01 851.15 851.01 851.04 850.99 850.94 850.83 850.89 850.72 850.79 850.62 850.72 850.51 850.59 850.38 850.52 850.25 850.48 850.13 850.47 850.10 850.45 850.23 850.42 850.36 850.42 850.49 850.53 850.63 850.69 850.76 850.83 850.89 850.94 851.01 851.06 851.14 851.20 851.27 851.42 851.46

PLOT SCALE:

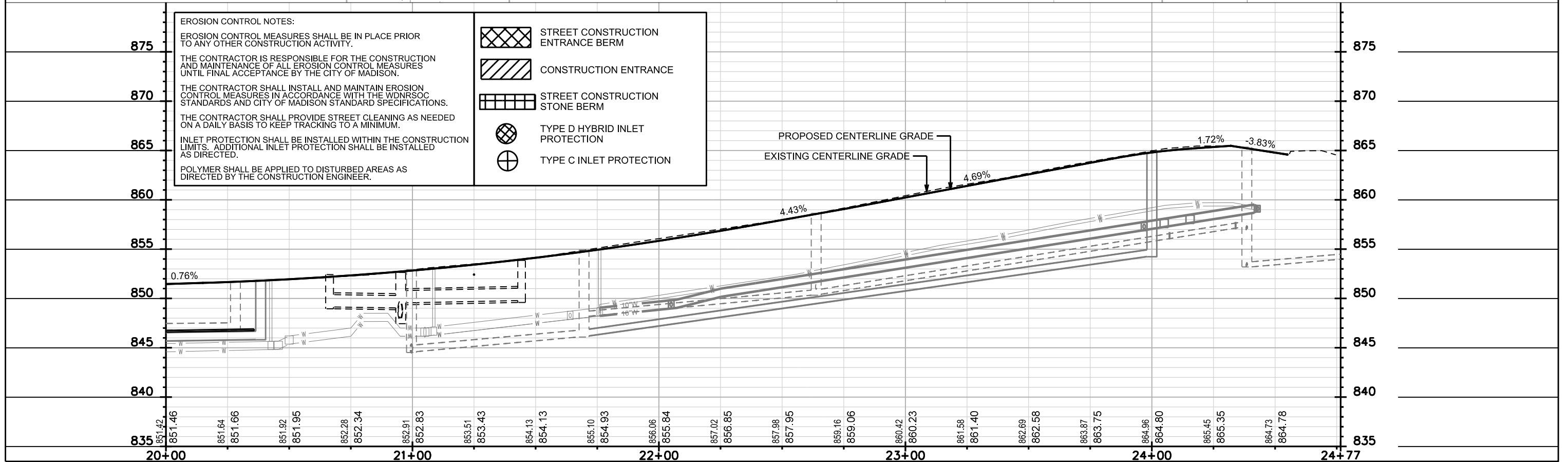
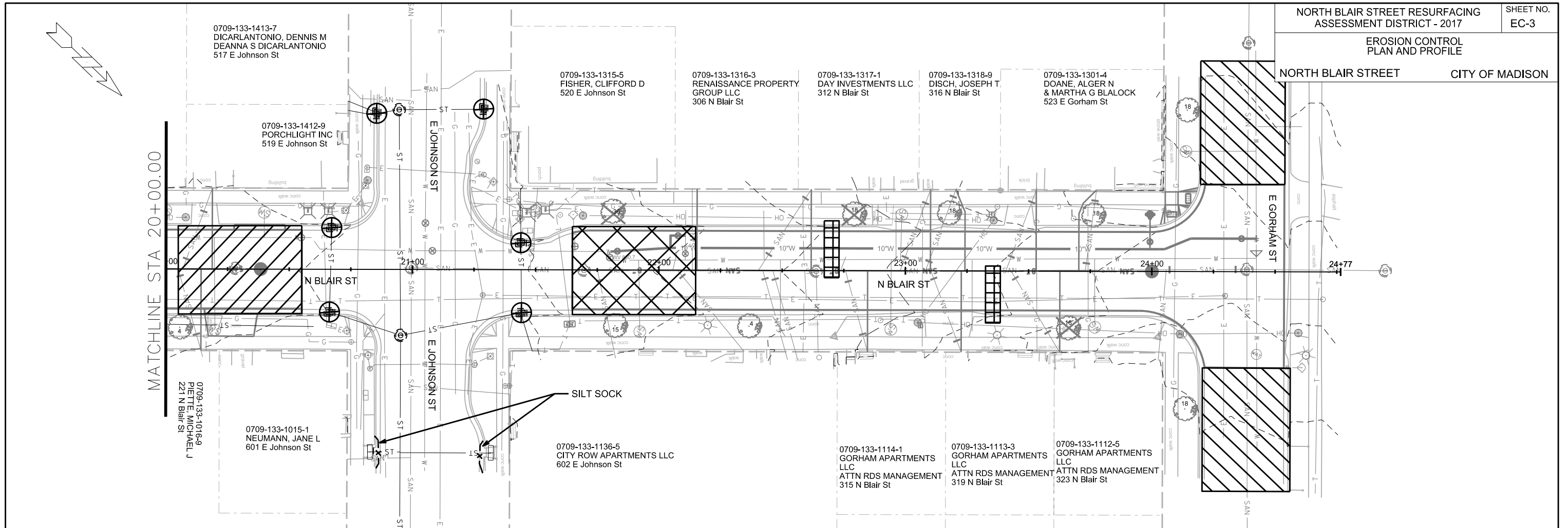
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL  
PLAN AND PROFILE

NORTH BLAIR STREET CITY OF MADISON

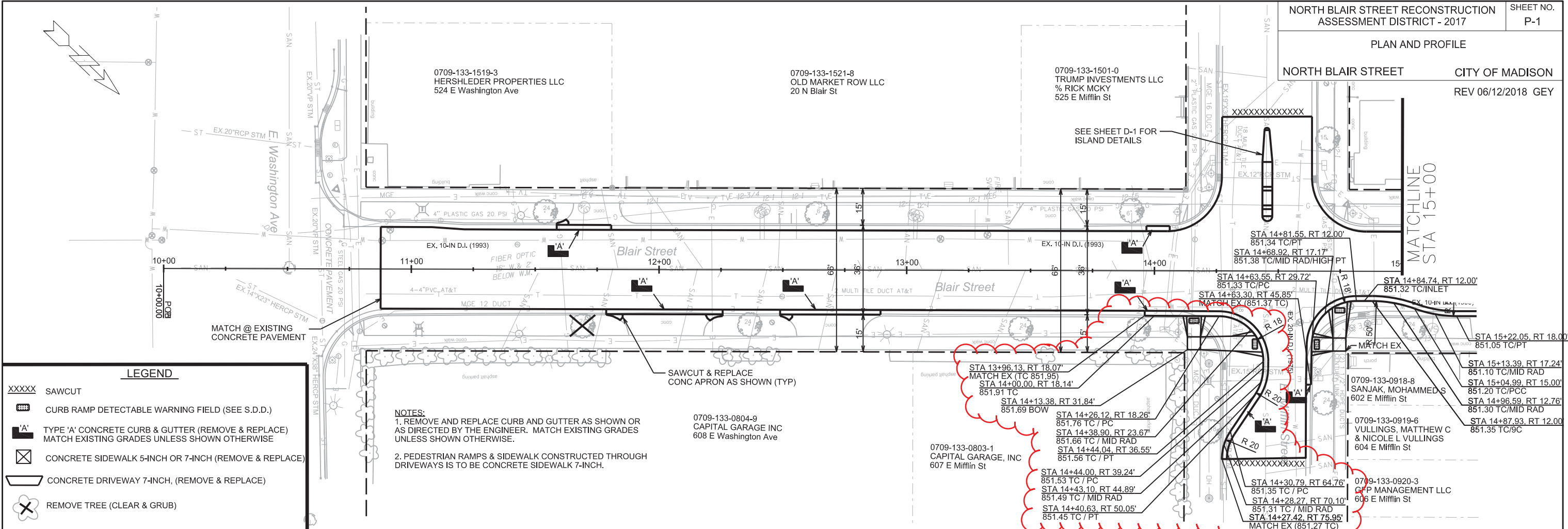


PLOT SCALE:

PLOT NAME:

REV. DATE:

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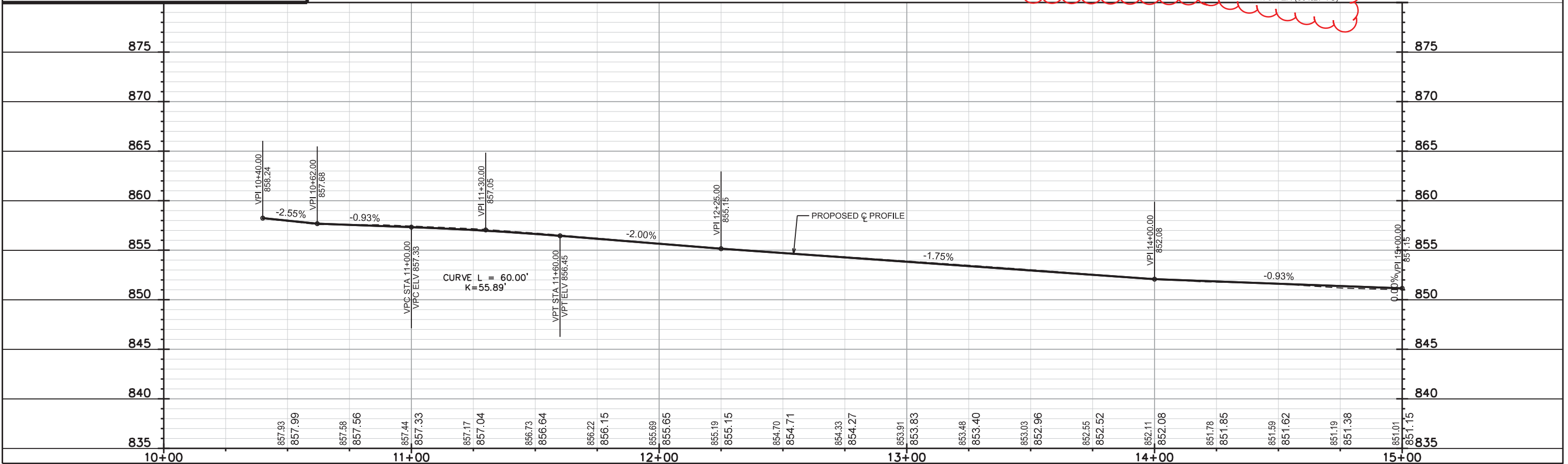


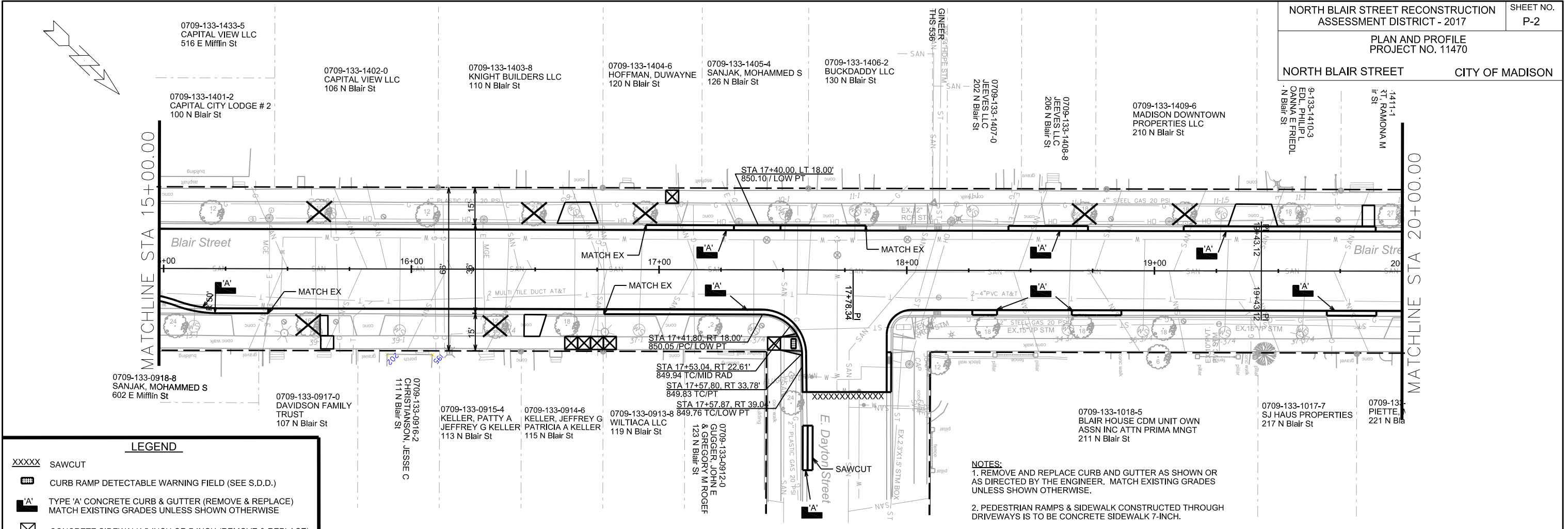
**LEGEND**

- XXXXX SAWCUT
- [Hatched Box] CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
- [A' Box] TYPE 'A' CONCRETE CURB & GUTTER (REMOVE & REPLACE) MATCH EXISTING GRADES UNLESS SHOWN OTHERWISE
- [X Box] CONCRETE SIDEWALK 5-INCH OR 7-INCH (REMOVE & REPLACE)
- [Dashed Box] CONCRETE DRIVEWAY 7-INCH, (REMOVE & REPLACE)
- [X with Circle] REMOVE TREE (CLEAR & GRUB)

**NOTES:**

- REMOVE AND REPLACE CURB AND GUTTER AS SHOWN OR AS DIRECTED BY THE ENGINEER. MATCH EXISTING GRADES UNLESS SHOWN OTHERWISE.
- PEDESTRIAN RAMPS & SIDEWALK CONSTRUCTED THROUGH DRIVEWAYS IS TO BE CONCRETE SIDEWALK 7-INCH.

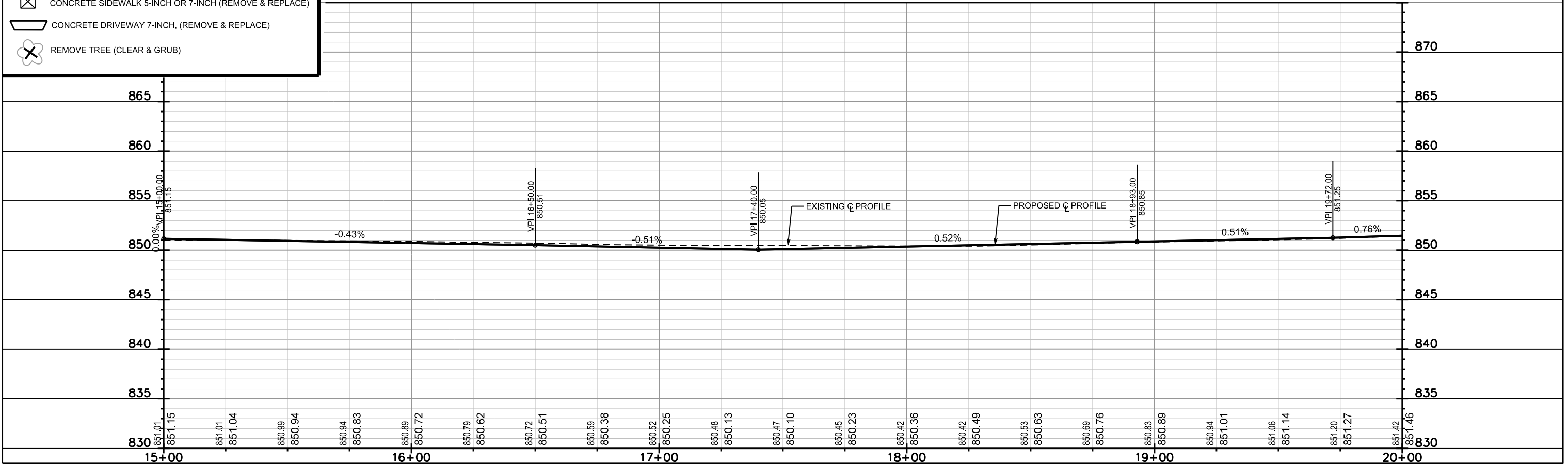




**LEGEND**

- XXXXX SAWCUT
- [Grid Pattern] CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
- [Type 'A' Symbol] TYPE 'A' CONCRETE CURB & GUTTER (REMOVE & REPLACE)  
MATCH EXISTING GRADES UNLESS SHOWN OTHERWISE
- [X Symbol] CONCRETE SIDEWALK 5-INCH OR 7-INCH (REMOVE & REPLACE)
- [Trapezoid Symbol] CONCRETE DRIVEWAY 7-INCH, (REMOVE & REPLACE)
- [X in Circle Symbol] REMOVE TREE (CLEAR & GRUB)

**NOTES:**  
1. REMOVE AND REPLACE CURB AND GUTTER AS SHOWN OR AS DIRECTED BY THE ENGINEER. MATCH EXISTING GRADES UNLESS SHOWN OTHERWISE.  
2. PEDESTRIAN RAMPS & SIDEWALK CONSTRUCTED THROUGH DRIVEWAYS IS TO BE CONCRETE SIDEWALK 7-INCH.

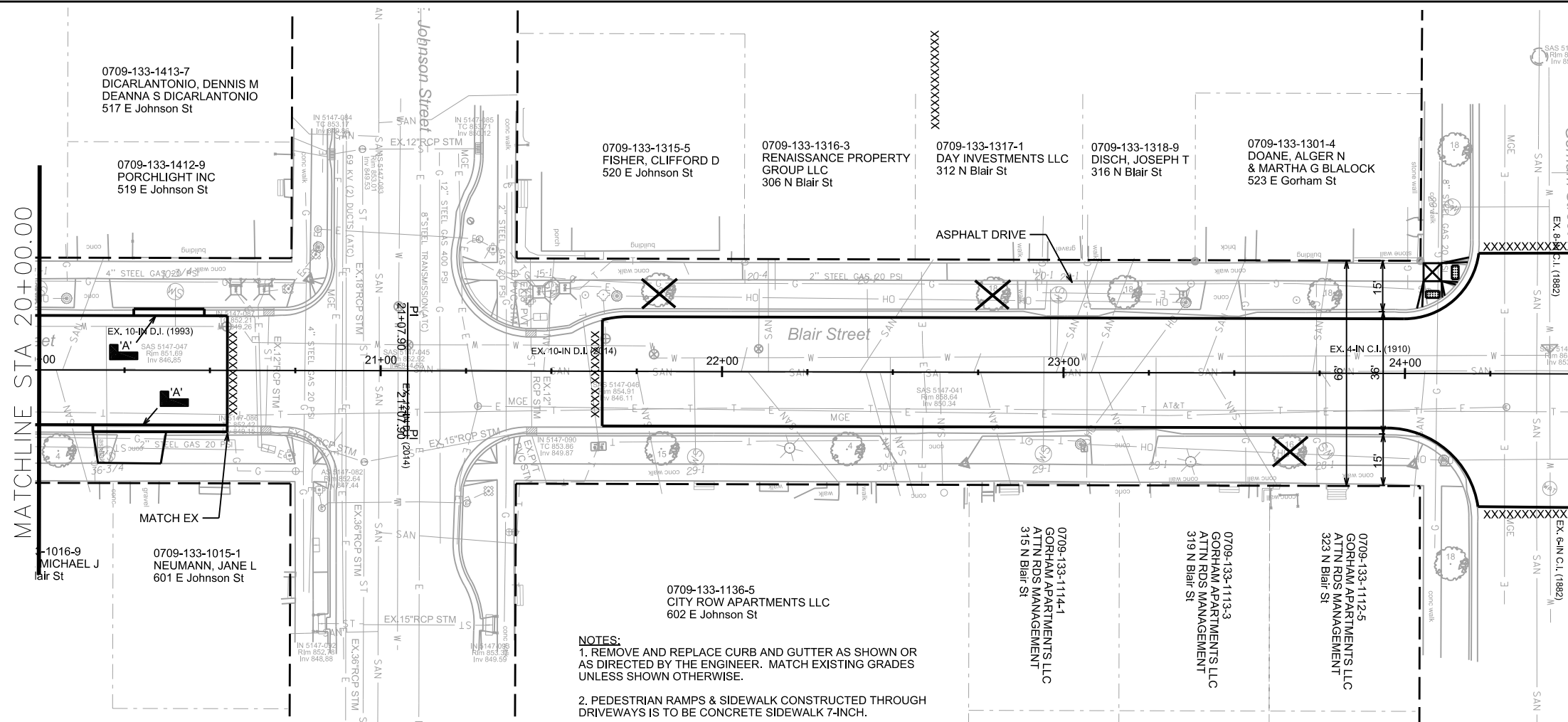


PLOT SCALE: \_\_\_\_\_

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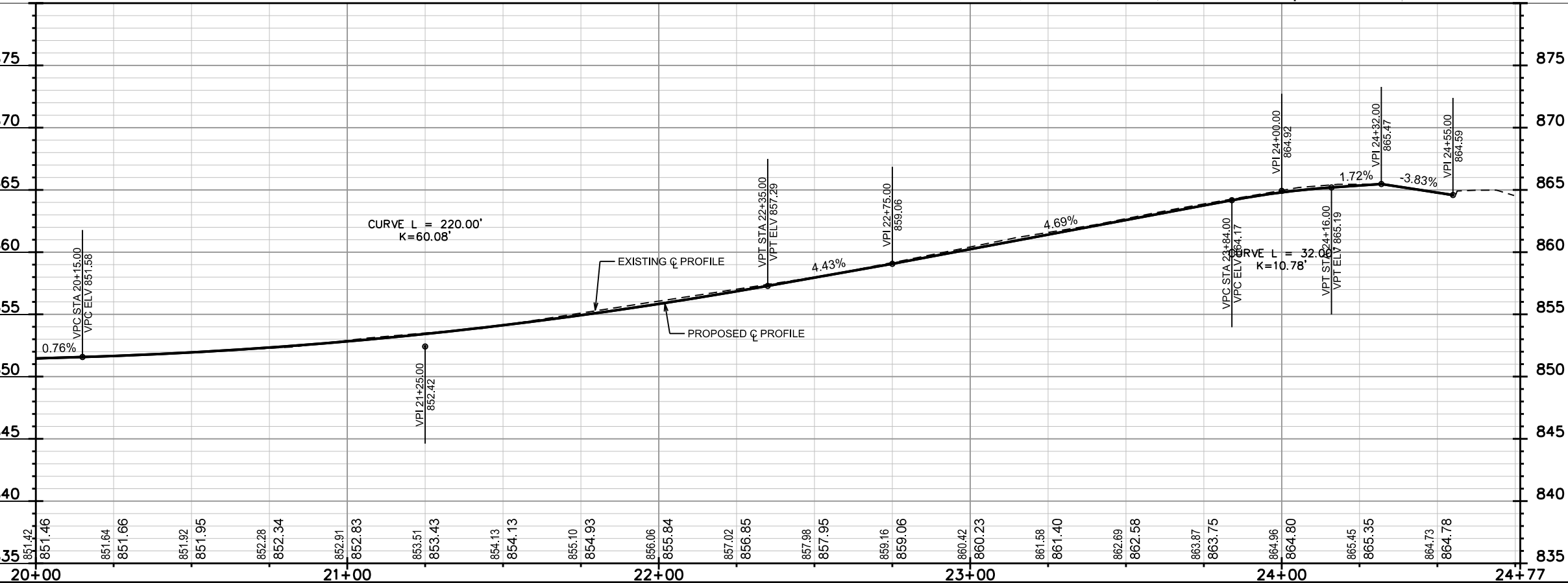
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**LEGEND**

- XXXXX SAWCUT
- [Symbol] CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
- [Symbol] TYPE 'A' CONCRETE CURB & GUTTER (REMOVE & REPLACE)
- [Symbol] CONCRETE SIDEWALK 5-INCH OR 7-INCH (REMOVE & REPLACE)
- [Symbol] CONCRETE DRIVEWAY 7-INCH, (REMOVE & REPLACE)
- [Symbol] REMOVE TREE (CLEAR & GRUB)

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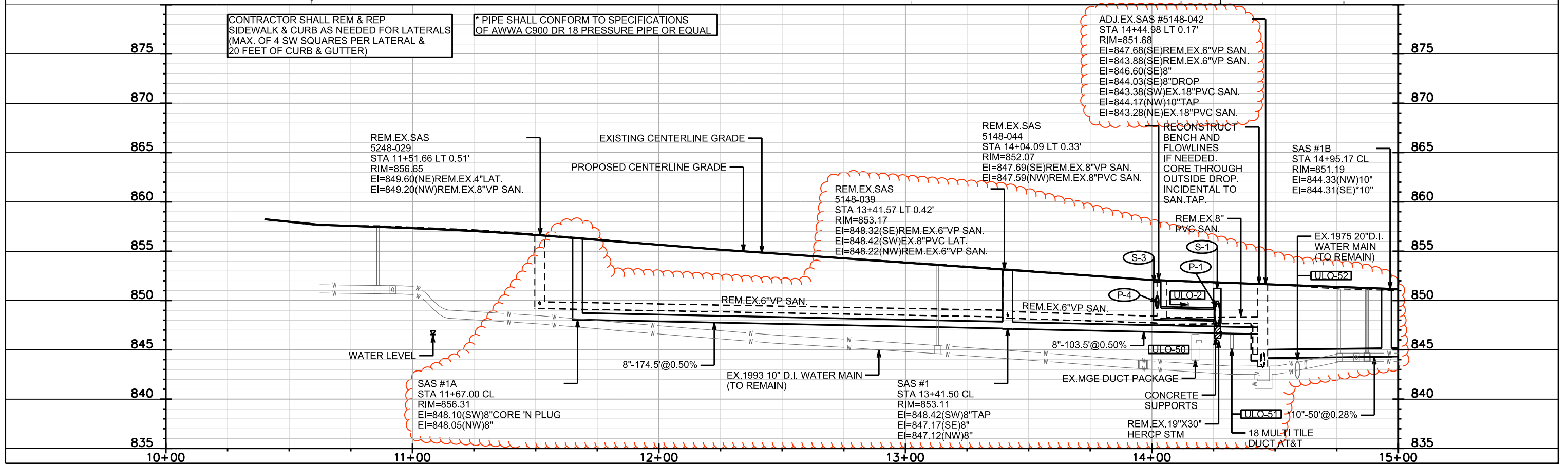
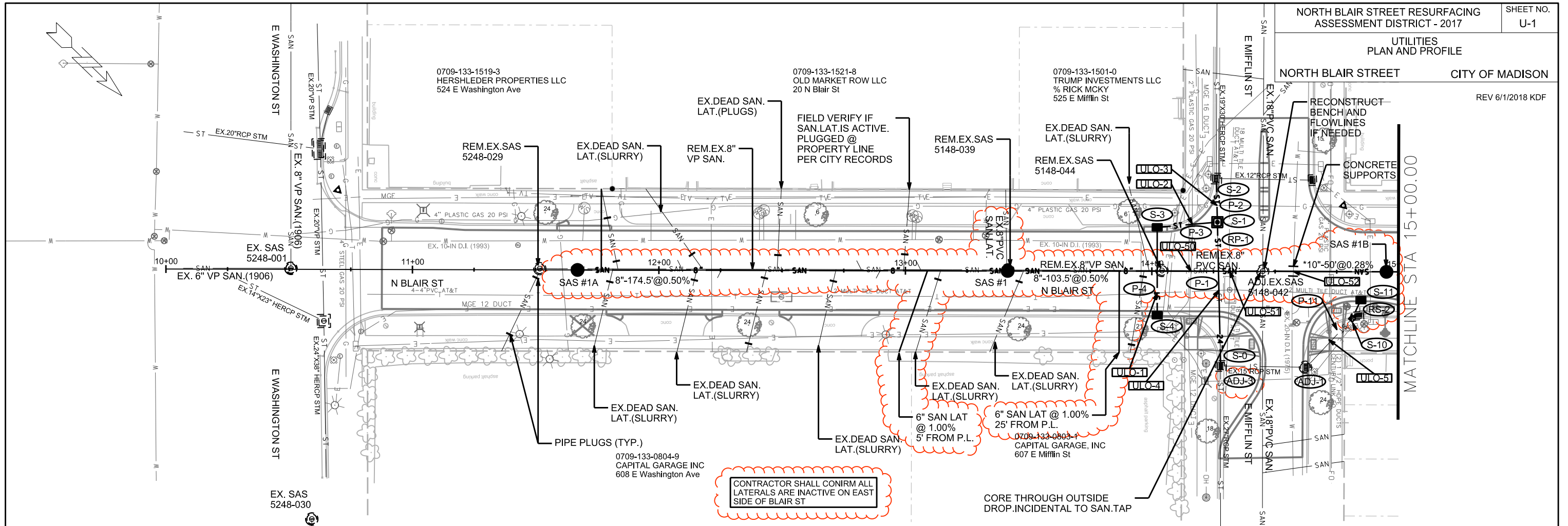
PLOT SCALE: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

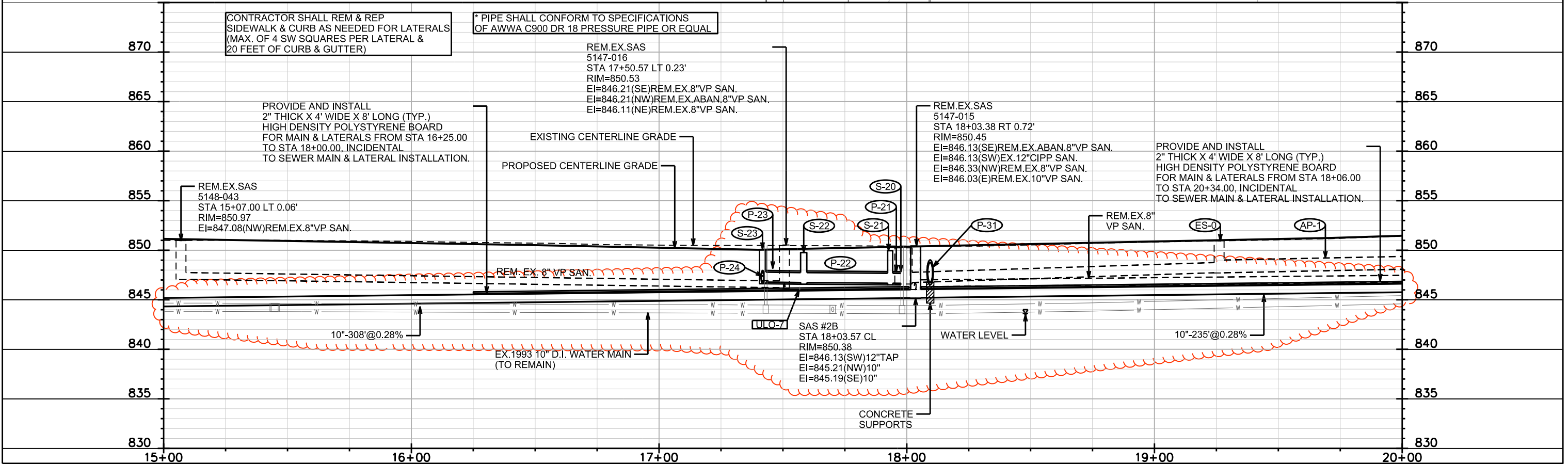
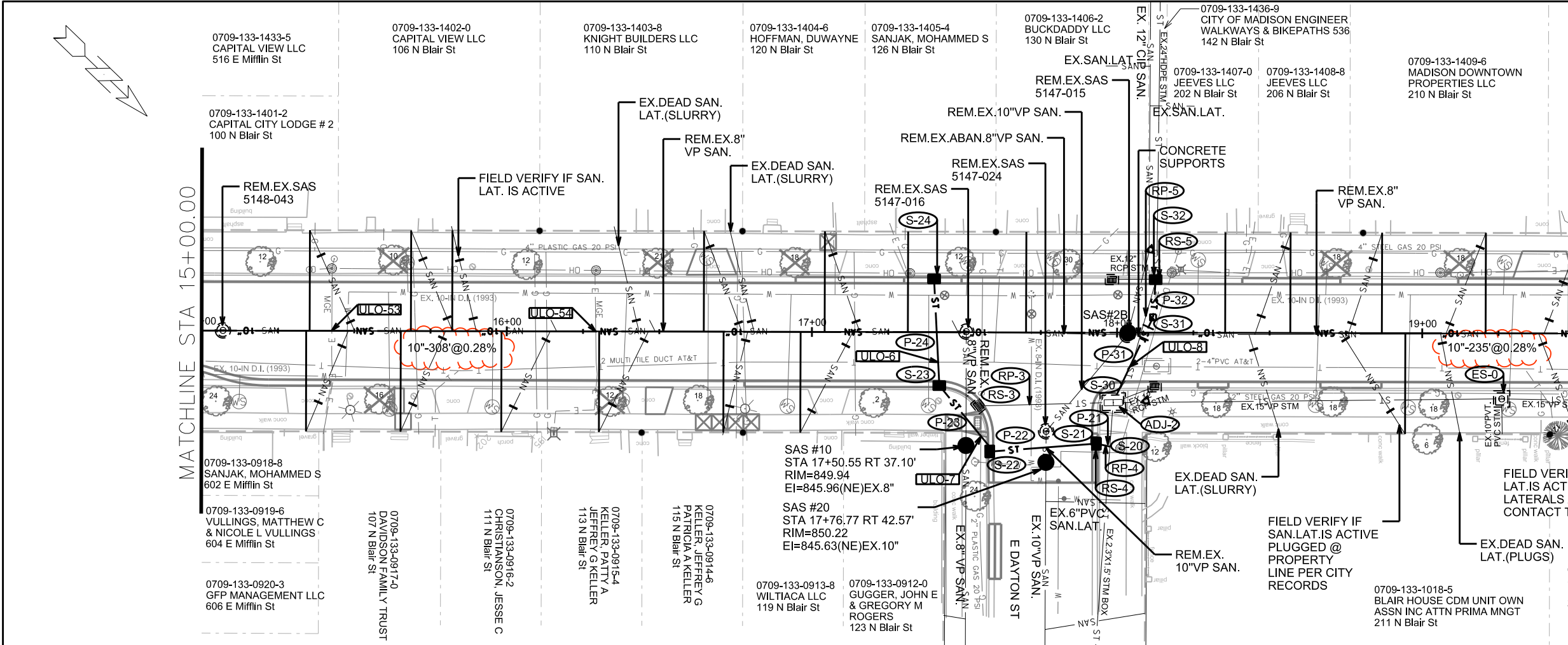




CONTRACTOR SHALL REM & REP  
SIDEWALK & CURB AS NEEDED FOR LATERALS  
(MAX. OF 4 SW SQUARES PER LATERAL &  
20 FEET OF CURB & GUTTER)

\* PIPE SHALL CONFORM TO SPECIFICATIONS  
OF AWWA C900 DR 18 PRESSURE PIPE OR EQUAL

ADJ. EX. SAS #5148-042  
STA 14+44.98 LT 0.17'  
RIM=851.68  
EI=847.68(SE) REM. EX. 6" VP SAN.  
EI=843.88(SE) REM. EX. 6" VP SAN.  
EI=846.60(SE) 8"  
EI=844.03(SE) 8" DROP  
EI=843.38(SW) EX. 18" PVC SAN.  
EI=844.17(NW) 10" TAP  
EI=843.28(NE) EX. 18" PVC SAN.

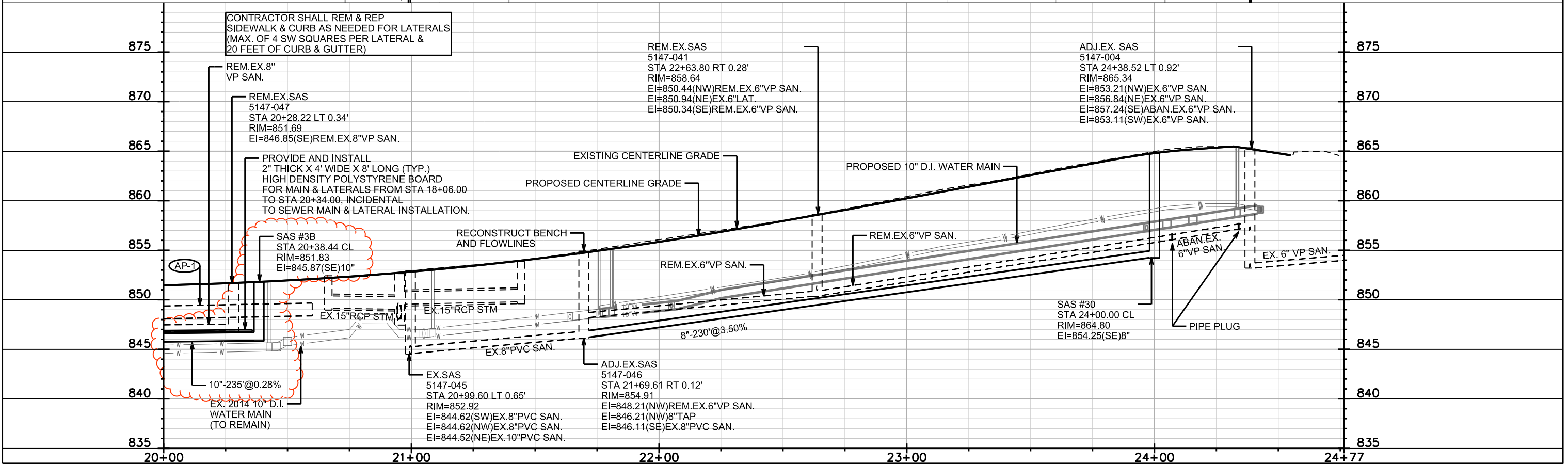
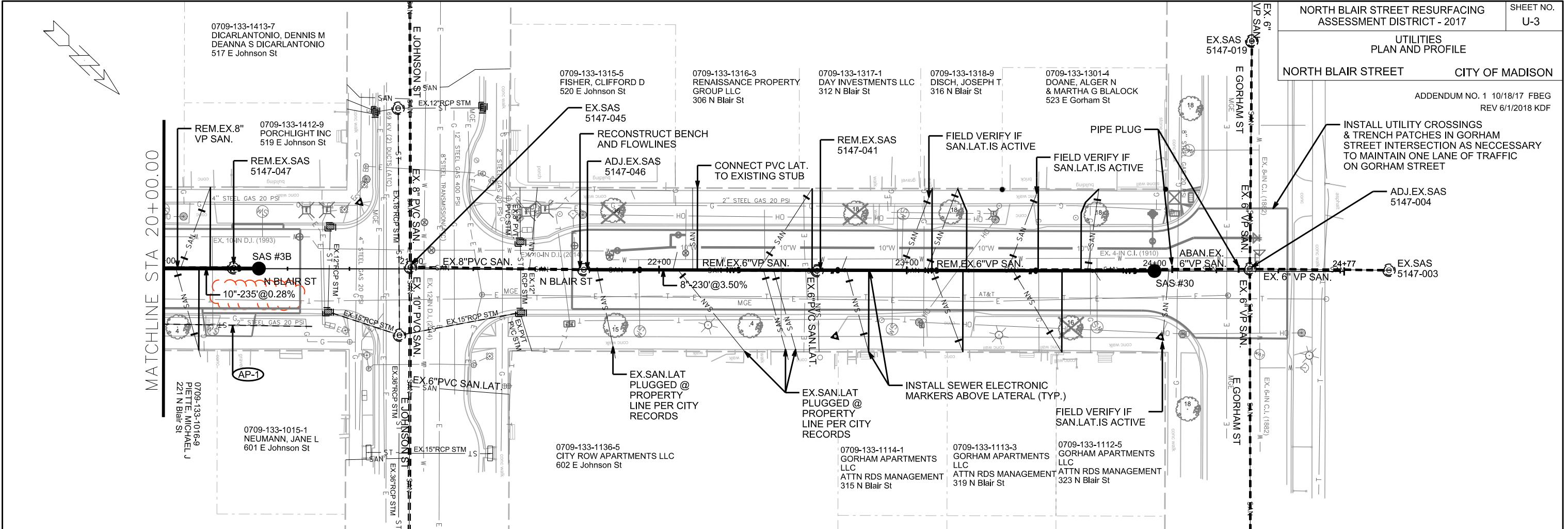


CONTRACTOR SHALL REM & REP  
SIDEWALK & CURB AS NEEDED FOR LATERALS  
(MAX. OF 4 SW SQUARES PER LATERAL &  
20 FEET OF CURB & GUTTER)

\* PIPE SHALL CONFORM TO SPECIFICATIONS  
OF AWWA C900 DR 18 PRESSURE PIPE OR EQUAL

PROVIDE AND INSTALL  
2" THICK X 4' WIDE X 8' LONG (TYP.)  
HIGH DENSITY POLYSTYRENE BOARD  
FOR MAIN & LATERALS FROM STA 16+25.00  
TO STA 18+00.00, INCIDENTAL  
TO SEWER MAIN & LATERAL INSTALLATION.

PROVIDE AND INSTALL  
2" THICK X 4' WIDE X 8' LONG (TYP.)  
HIGH DENSITY POLYSTYRENE BOARD  
FOR MAIN & LATERALS FROM STA 18+06.00  
TO STA 20+34.00, INCIDENTAL  
TO SEWER MAIN & LATERAL INSTALLATION.



PLOT SCALE:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SEWER SCHEDULE

\*REV 6/1/2018 KDF

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<b>N. BLAIR STREET</b>						
* SAS #1	13+41.50	CL	853.11	847.12	5.99	-
* SAS #1A	11+67.00	CL	856.31	848.05	8.26	-
* SAS #1B	14+95.17	CL	851.19	844.31	6.88	-
* SAS #2B	18+03.57	CL	850.38	845.19	5.19	-
* SAS #3B	20+38.44	CL	851.83	845.87	5.96	-
SAS #10	17+50.55	RT-37.10	849.94	845.96	3.98	-
SAS #20	17+76.77	RT-42.57	850.22	845.63	4.59	-
SAS #30	24+00.00	CL	864.80	854.25	10.55	-

## PROPOSED SANITARY SEWER PIPES

FROM (DOWNSTREAM)	TO (UPSTREAM)	DWNSTRM E.I.	UPSTRM E.I.	PIPE SIZE	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE TYPE	NOTES
<b>N. BLAIR STREET</b>								
* EX. SAS 5148-042	SAS #1	846.60	847.12	8"	103.5	0.50%	PVC-ASTM D3034 SDR-35	-
* SAS #1	SAS #1A	847.17	848.05	8"	174.5	0.50%	<b>PVC-ASTM D3034 SDR-35</b>	-
* EX. SAS 5148-042	SAS #1B	844.17	844.31	10"	50	0.28%	PVC-AWWA C900 DR 18	-
* SAS #1B	SAS #2B	844.33	845.19	10"	308	0.28%	PVC-ASTM D3034 SDR-35	-
* SAS #2B	SAS #3B	845.21	845.87	10"	235	0.28%	PVC-ASTM D3034 SDR-35	-
EX. SAS 5147-046	SAS #30	846.21	854.25	8"	230	3.50%	PVC-ASTM D3034 SDR-35	-

## REMOVE OR ABANDON SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
<b>N. BLAIR STREET</b>						
EX.SAS 5248-029	11+51.66	LT-0.51	856.65	849.20	7.45	REMOVE
EX.SAS 5148-039	13+41.57	LT-0.42	853.17	848.22	4.95	REMOVE
EX.SAS 5148-044	14+04.09	LT-0.33	852.07	847.59	4.48	REMOVE
EX.SAS 5148-043	15+07.00	LT-0.06	850.97	847.08	3.89	REMOVE
EX.SAS 5147-016	17+50.57	LT-0.23	850.53	846.11	4.42	REMOVE
EX.SAS 5147-024	17+76.81	RT-32.39	850.18	845.66	4.52	REMOVE
EX.SAS 5147-015	18+03.38	RT-0.72	850.45	846.03	4.42	REMOVE
EX.SAS 5147-047	20+28.22	LT-0.34	851.69	846.85	4.84	REMOVE
EX.SAS 5147-041	22+63.80	RT-0.28	858.64	850.34	8.30	REMOVE

## SANITARY SEWER PIPE REMOVALS AND ABANDONMENTS

FROM SAS (DOWNSTREAM)	TO SAS (UPSTREAM)	LENGTH (FT)	PAID (Y/N)	PLAN (PAY) LGTH (FT)	SIZE (DIA) (IN)	PIPE TYPE	NOTES
<b>N. BLAIR STREET</b>							
EX.SAS 5148-039	EX.SAS 5248-029	190	N	0	8"	VP	REMOVE
EX.SAS 5148-044	EX.SAS 5148-039	63	N	0	8"	VP	REMOVE
EX.SAS 5148-042	EX.SAS 5148-044	41	N	0	8"	PVC	REMOVE
EX.SAS 5147-016	EX.SAS 5148-043	244	N	0	8"	VP	REMOVE
EX.SAS 5147-015	EX.SAS 5147-016	53	N	0	8"	VP	REMOVE
SAS #10	EX.SAS 5147-016	38	Y	38	8"	VP	REMOVE
EX.SAS 5147-024	EX.SAS 5147-015	42	Y	42	10"	VP	REMOVE
SAS #20	EX.SAS 5147-024	11	Y	11	10"	VP	REMOVE
EX.SAS 5147-015	EX.SAS 5147-047	225	N	0	8"	VP	REMOVE
EX.SAS 5147-046	EX.SAS 5147-041	94	N	0	6"	VP	REMOVE
EX.SAS 5147-041	SAS #30	136	N	0	6"	VP	REMOVE
SAS #30	EX.SAS 5147-004	39	N	0	6"	VP	ABANDON (PLUGS)

## ADJUST SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	EX.TOP OF CASTING	PROP.TOP OF CASTING	ADJ.(FT)	NOTES
<b>N. BLAIR STREET</b>						
EX.SAS 5148-042	14+44.98	LT-0.17	851.68	851.66	-0.02	-
EX.SAS 5147-046	21+69.61	RT-0.12	854.91	854.76	-0.15	-
EX.SAS 5147-004	24+38.52	LT-0.92	865.34	865.00	-0.34	-

## UTILITY LINE OPENINGS (ULO)

NO.	STATION	LOCATION	TYPE	TOP ELEV	NOTES
<b>N. BLAIR STREET</b>					
* ULO-50A	14+18.00	RT-0.50	ELEC DUCT PKG	846.56	BTM = 843.94
* ULO-50B	14+16.45	RT-0.35	3" PVC TELE	848.55	
* ULO-50C	14+16.50	CL	6" PVC TELE	848.59	
* ULO-50D	14+18.25	LT-0.40	EX 8" SAN	848.19	
* ULO-51A	14+32.55	LT-0.40	EX 8" SAN PVC	848.20	-
* ULO-51B	14+31.75	LT-2.00	TELE DUCT PKG	846.52	CONFLICT, SAN REVISED, BTM = 845.09
* ULO-52	14+59.10	LT-0.90	20" WATER	843.86	CONFLICT, SAN REVISED
* ULO-53A	15+42.30	LT-0.70	4" PVC ELEC	849.03	OK
* ULO-53B	15+42.45	LT-0.40	4 - 0.5" ELEC	848.90	OK
* ULO-54	16+29.80	CL	6" PVC ELEC	848.06	OK

5 UNDISTRIBUTED ULOs

# STORM SEWER SCHEDULE

\*REV 6/1/2018 KDF

NORTH BLAIR STREET RESURFACING		SHEET NO.
ASSESSMENT DISTRICT-2017		U-5
STORM SEWER SCHEDULE		
NORTH BLAIR STREET		CITY OF MADISON

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>N. BLAIR STREET</b>							
* S-0	14+27.98	RT-38.38	STM TAP	-	847.88	-	TAP EX. IN 5148-082
* S-1	14+26.53	LT-20.00	3'X3' SAS	851.22	848.08	3.14	FP; w/ R-1550-0054
* S-2	14+26.03	LT-37.70	STM TAP	-	848.30	-	TAP EX. IN 5148-076
* S-3	14+02.12	LT-17.85	H INLET	851.89	848.20	3.69	w/ R-3067-7004-V
* S-4	14+02.20	RT-17.79	H INLET	851.84	849.51	2.33	FP, w/ R-3067-7004-V
* S-10	<b>14+81.28</b>	<b>RT-19.03</b>	<b>FIELD BEND</b>	-	<b>847.71</b>	-	TAP EX. IN 5148-083
S-11	14+84.81	RT-11.50	H INLET	851.32	847.85	3.47	LP; w/ R-3067-7004-VB
S-20	17+97.74	RT-37.36	STM TAP	-	846.66	-	TAP EX.2.3'X1.5' STM BOX
* S-21	17+93.27	RT-36.39	H INLET	849.95	846.67	3.28	LP; w/ R-3067-7004-VB
* S-22	17+58.37	RT-39.04	H INLET	849.76	846.74	3.02	LP; w/ R-3067-7004-VB
* S-23	17+41.80	RT-17.50	H INLET	850.05	846.79	3.26	LP; w/ R-3067-7004-VB
* S-24	17+39.98	LT-17.50	H INLET	850.10	846.86	3.24	LP; w/ R-3067-7004-VB
S-30	17+99.85	RT-20.45	STM TAP	-	846.64	-	TAP EX. IN 5148-083
S-31	18+11.78	LT-5.05	FIELD BEND	-	846.79	-	[1]
S-32	18+12.61	LT-17.42	H INLET	850.19	846.86	3.33	w/ R-3067-7004-V

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>N. BLAIR STREET</b>										
* P-1	S-0	S-1	847.88	848.08	58.5	55.5	0.36%	19"X30"	HERCP	-
* P-2	S-1	S-2	848.26	848.30	17.5	14.5	0.28%	19"X30"	HERCP	-
* P-3	S-1	S-3	848.09	848.20	24.5	21.5	0.50%	12"	RCP	-
* P-4	S-3	S-4	849.34	849.51	35.5	33.5	0.50%	12"	RCP	-
* P-11	S-10	S-11	847.71	847.85	8.5	7.2	1.94%	12"	RCP	-
* P-21	S-20	S-21	846.66	846.67	4.5	3.5	0.29%	12"	RCP	-
* P-22	S-21	S-22	846.67	846.74	34.0	33.0	0.21%	12"	RCP	-
* P-23	S-22	S-23	846.74	846.79	26.0	24.5	0.20%	12"	RCP	-
* P-24	S-23	S-24	846.79	846.86	35.0	33.0	0.21%	12"	RCP	-
P-31	S-30	S-31	846.64	846.79	31.0	28.0	0.54%	24"	RCP	-
P-32	S-31	S-32	846.79	846.86	12.5	11.5	0.61%	24"	RCP	-

## STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET) FT	TYPE	NOTES
<b>N. BLAIR STREET</b>					
RS-2	IN 5148-084	14+83.80	RT-17.65	H INLET	-
RS-3	IN 5147-037	17+54.64	RT-24.11	H INLET	-
RS-4	IN 5147-039	17+93.18	RT-36.36	H INLET	-
RS-5	IN 5147-071	18+18.61	LT-17.42	H INLET	-

## STORM PIPE REMOVALS AND ABANDONMENTS

REMOVE NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PAID LENGTH (FT)	PIPE SIZE	TYPE	NOTES
<b>N. BLAIR STREET</b>								
RP-1	S-0	S-2	73.0	Y	73.0	19"X30"	HERCP	REMOVE
RP-2	ADJ-1	RS-2	27.0	N	0.0	12"	RCP	REMOVE
RP-3	ADJ-2	RS-3	40.0	Y	40.0	12"	VP	REMOVE
RP-4	S-20	RS-4	4.0	N	0.0	12"	VP	REMOVE
RP-5	S-30	RS-5	40.0	N	0.0	24"	VP	REMOVE
AP-1	ES-0	STA 20+59.95	RT 23.28'	Y	132.0	15"	VP	[3]

## ADJUST STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	EX.TOP OF CASTING	PROP.TOP OF CASTING	ADJ.(FT)	NOTES
<b>N. BLAIR STREET</b>						
ADJ-1	14+62.38	RT-38.82	851.33	851.35	0.02	-
ADJ-2	17+98.67	RT-22.95	850.24	850.24	0.00	[2]
* ADJ-3	<b>14+27.98</b>	<b>RT-38.38</b>	<b>851.44</b>	<b>0.00</b>	-851.44	<b>[4], W/R-1550-0054</b>

## SPECIFIC NOTES

- [1] PAID AS STANDARD BID ITEM 50499 (CONCRETE COLLAR)
- [2] PAID AS SPECIAL BID ITEM 90030 (RECONSTRUCT CATCHBASIN TO SAS CASTING)
- [3] PAID AS STANDARD BID ITEM 20335 (ABANDON SEWER PIPE WITH SLURRY)
- \* [4] REBUILD ACCESS STRUCTURE TOP, BID ITEM 40371

## UTILITY LINE OPENINGS (ULO)

NO.	STATION	LOCATION	TYPE	TOP ELEV	NOTES
<b>N. BLAIR STREET</b>					
* ULO-1	<b>14+01.75</b>	<b>RT-9.65</b>	<b>TELE DUCT PKG</b>	<b>849.22</b>	<b>CONFLICT, BTM = 848.40, STM REVISED</b>
* ULO-2A	<b>14+17.75</b>	<b>LT-18.70</b>	<b>ELEC DUCT PKG</b>	<b>846.99</b>	<b>OK, BTM = 842.43</b>
* ULO-2B	<b>14+14.85</b>	<b>LT-17.40</b>	<b>4" PVC TELE</b>	<b>849.74</b>	<b>CONFLICT, STM REVISED</b>
* ULO-2C	<b>14+14.55</b>	<b>LT-17.40</b>	<b>4" PVC TELE</b>	<b>849.84</b>	<b>CONFLICT, STM REVISED</b>
* ULO-3	<b>14+26.05</b>	<b>LT-26.90</b>	<b>4" PL GAS</b>	<b>847.98</b>	<b>CONFLICT, STM REVISED</b>
* ULO-4	<b>14+24.35</b>	<b>RT-7.25</b>	<b>8" CLAY FIBER</b>	<b>847.65</b>	<b>CONFLICT, STM REVISED</b>
* ULO-5A	<b>14+72.10</b>	<b>RT-18.40</b>	<b>4" PL GAS</b>	<b>846.81</b>	<b>OK</b>
* ULO-5B	<b>14+71.70</b>	<b>RT-34.65</b>	<b>4" PL GAS</b>	<b>846.84</b>	<b>OK</b>
* ULO-5C	<b>14+71.80</b>	<b>RT-34.40</b>	<b>2-3" PL TELE</b>	<b>848.04</b>	<b>CONFLICT, STM REVISED</b>
* ULO-5D	<b>14+72.00</b>	<b>RT-34.65</b>	<b>4" PVC ELEC</b>	<b>849.20</b>	<b>OK</b>
* ULO-6	<b>17+41.30</b>	<b>RT-10.00</b>	<b>TELE DUCT PKG</b>	<b>849.19</b>	<b>CONFLICT, STM REVISED, BTM = 847.89</b>
* ULO-7	<b>17+56.75</b>	<b>RT-34.30</b>	<b>4" PL GAS</b>	<b>846.28</b>	<b>OK</b>
* ULO-8	<b>18+01.00</b>	<b>RT-9.65</b>	<b>TELE DUCT PKG</b>	<b>847.51</b>	<b>BTM = 847.01</b>

7 UNDISTRIBUTED ULOs

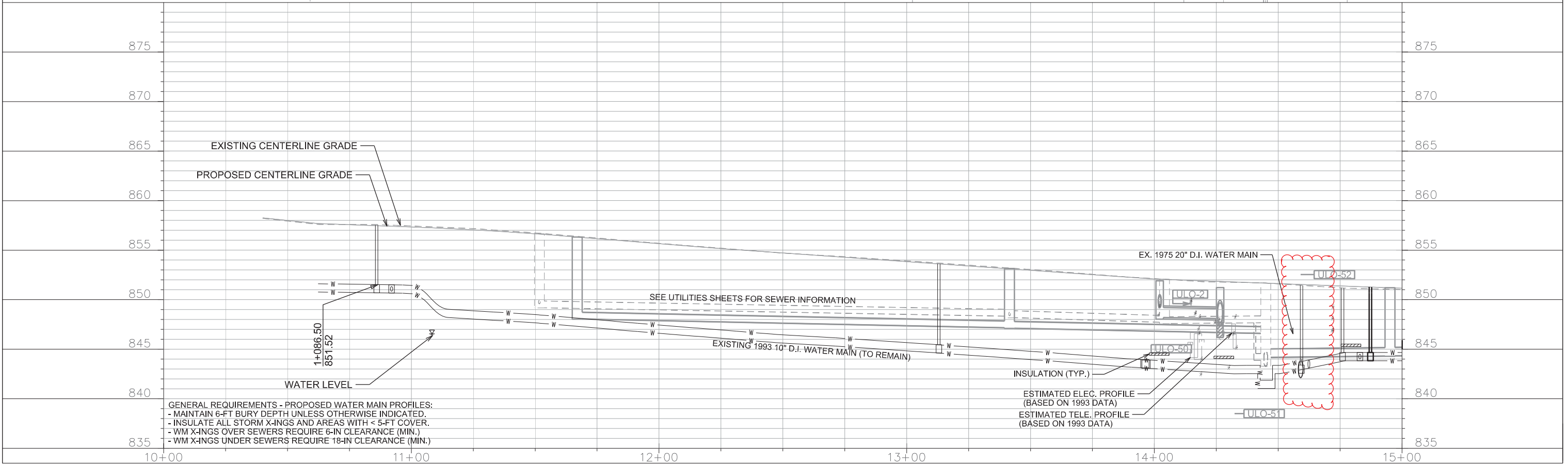
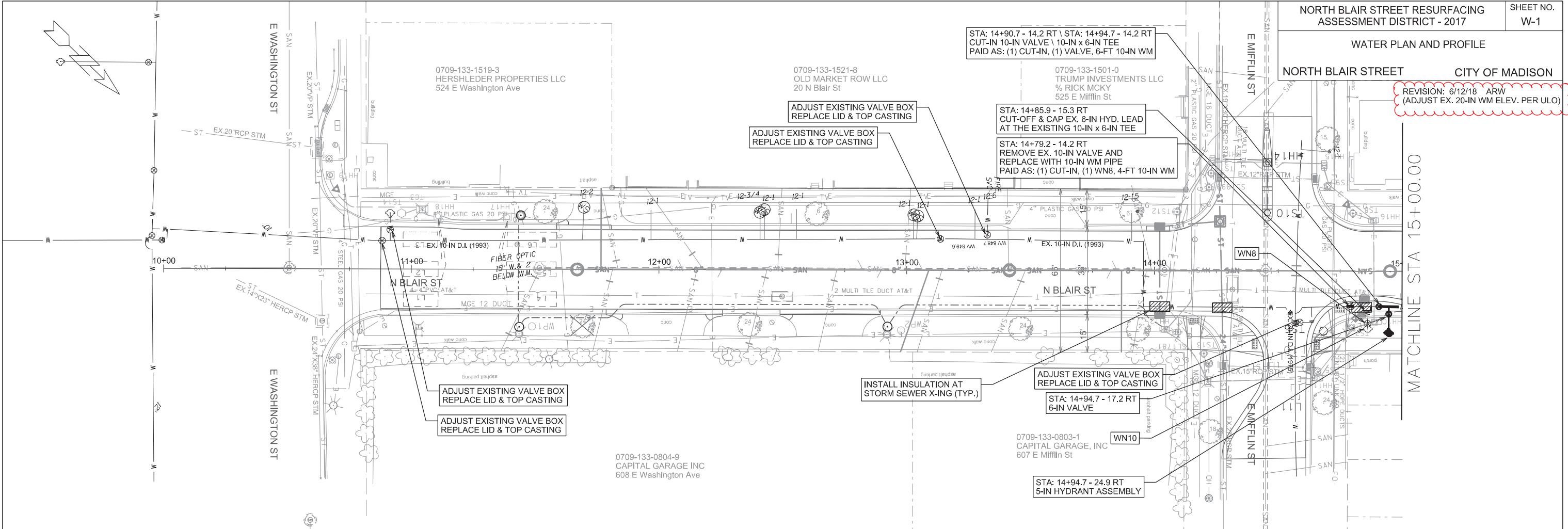
**NOTE:** PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

## 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 FADI EL MUSA OF CITY ENGINEERING AT (608) 243-5214 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO FELMUSAGONZALEZ@CITYOFMADISON.COM.

WATER PLAN AND PROFILE  
NORTH BLAIR STREET CITY OF MADISON

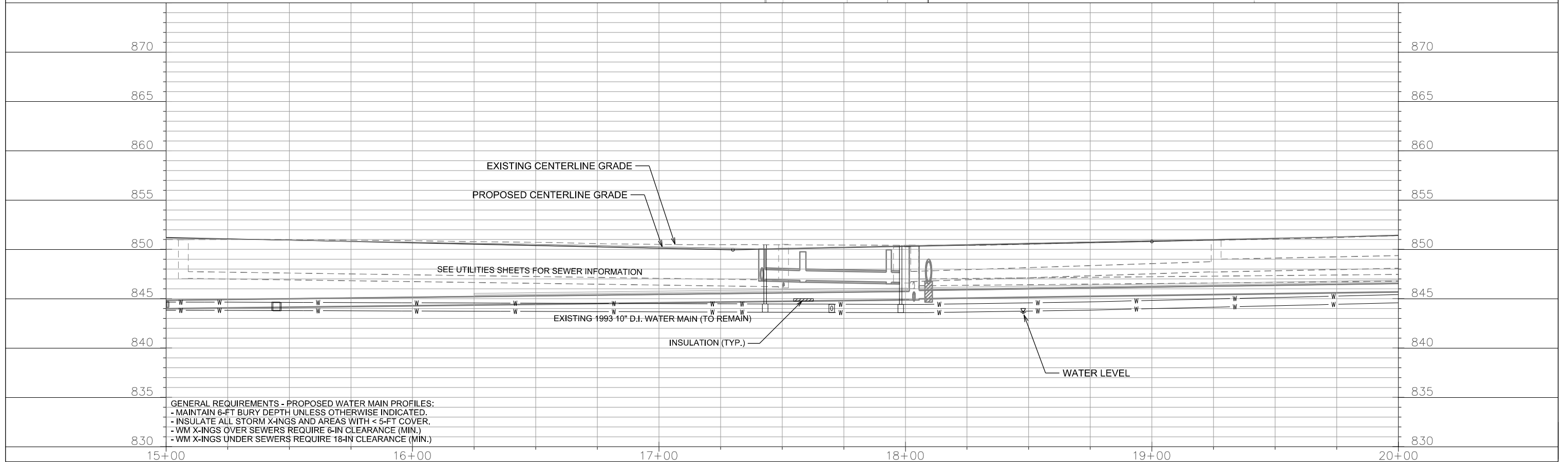
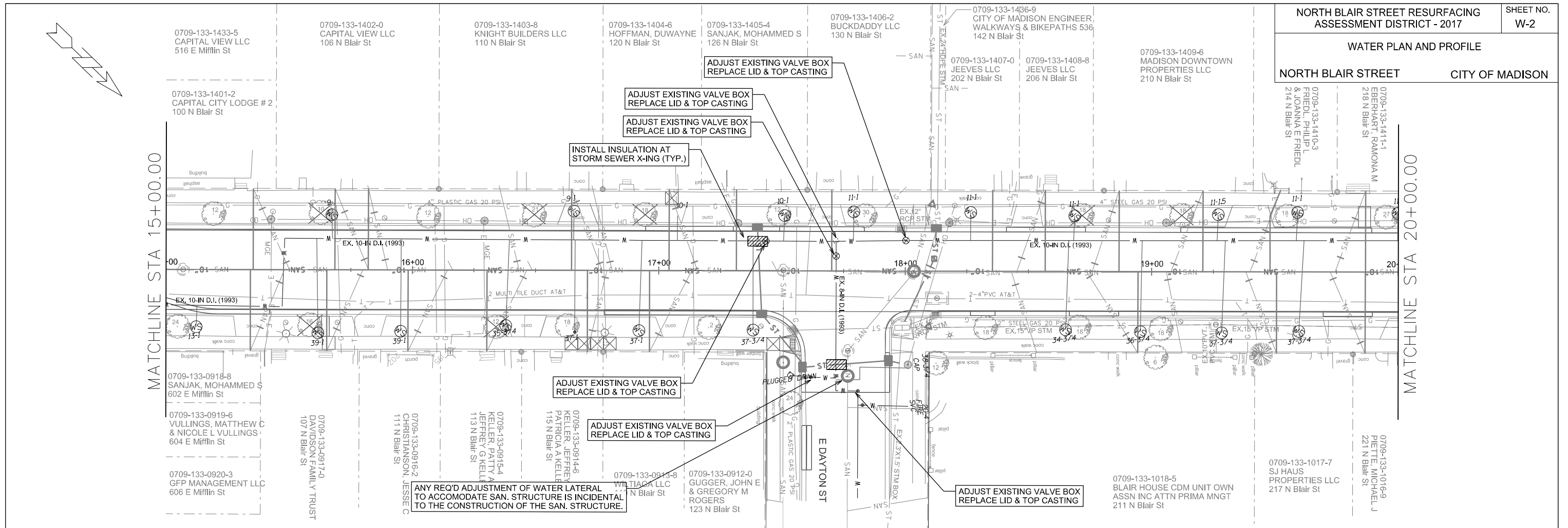
REVISION: 6/12/18 ARW  
(ADJUST EX. 20-IN WM ELEV. PER ULO)



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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

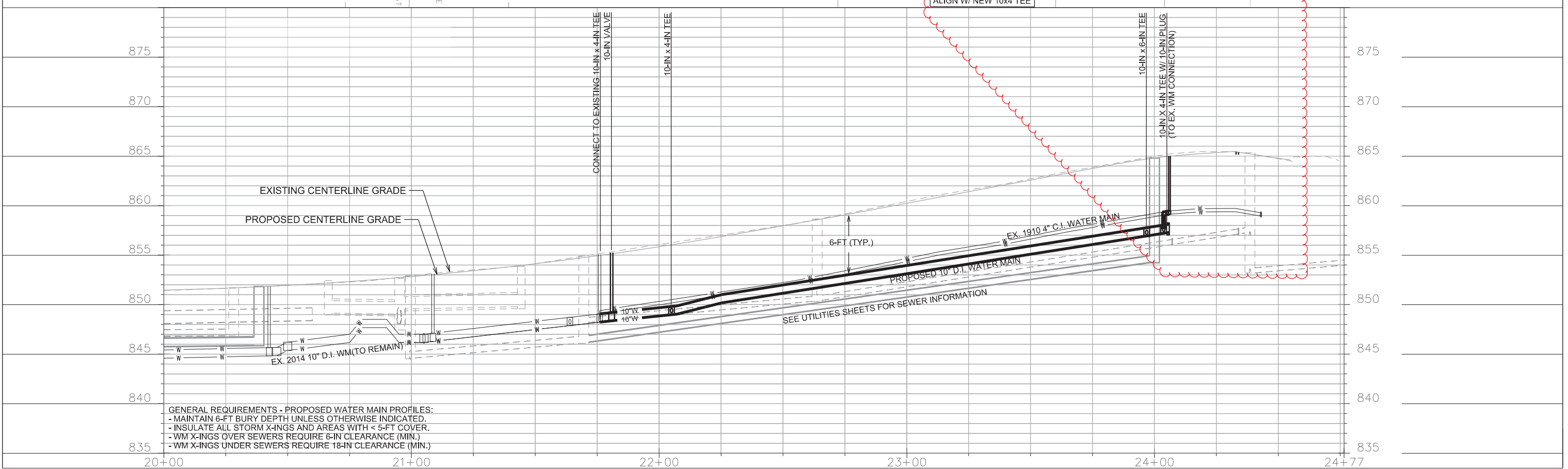
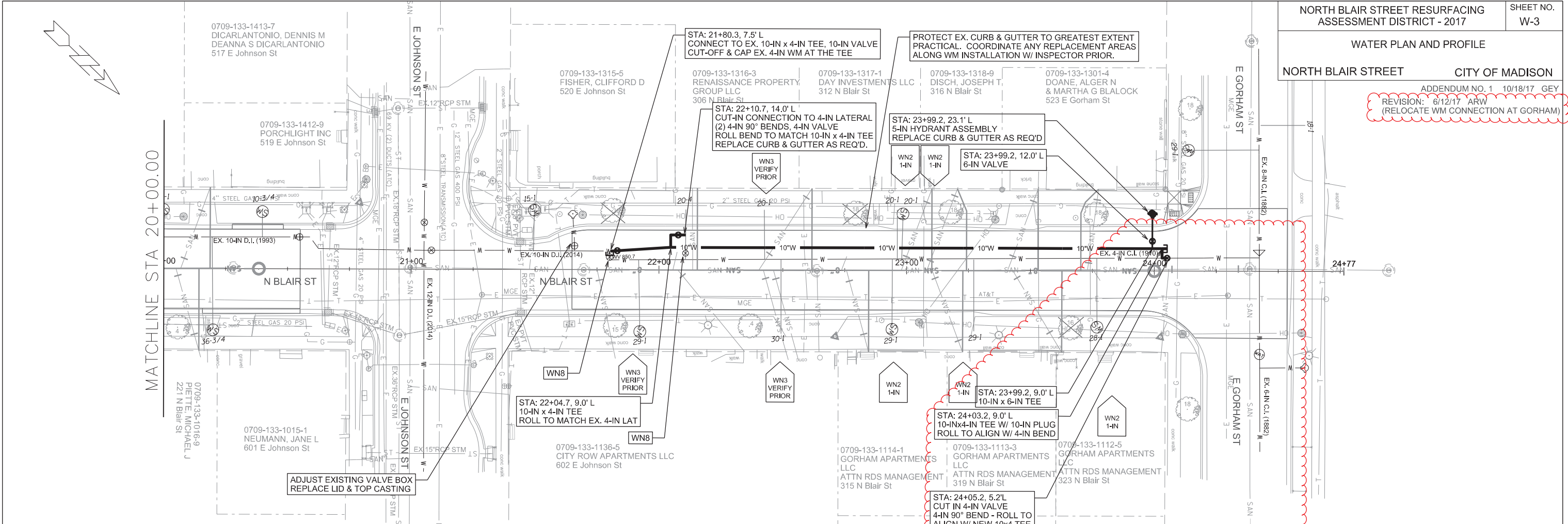
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

ADDENDUM NO. 1 10/18/17 GEY  
REVISION: 6/12/17 ARW  
(RELOCATE WM CONNECTION AT GORHAM)



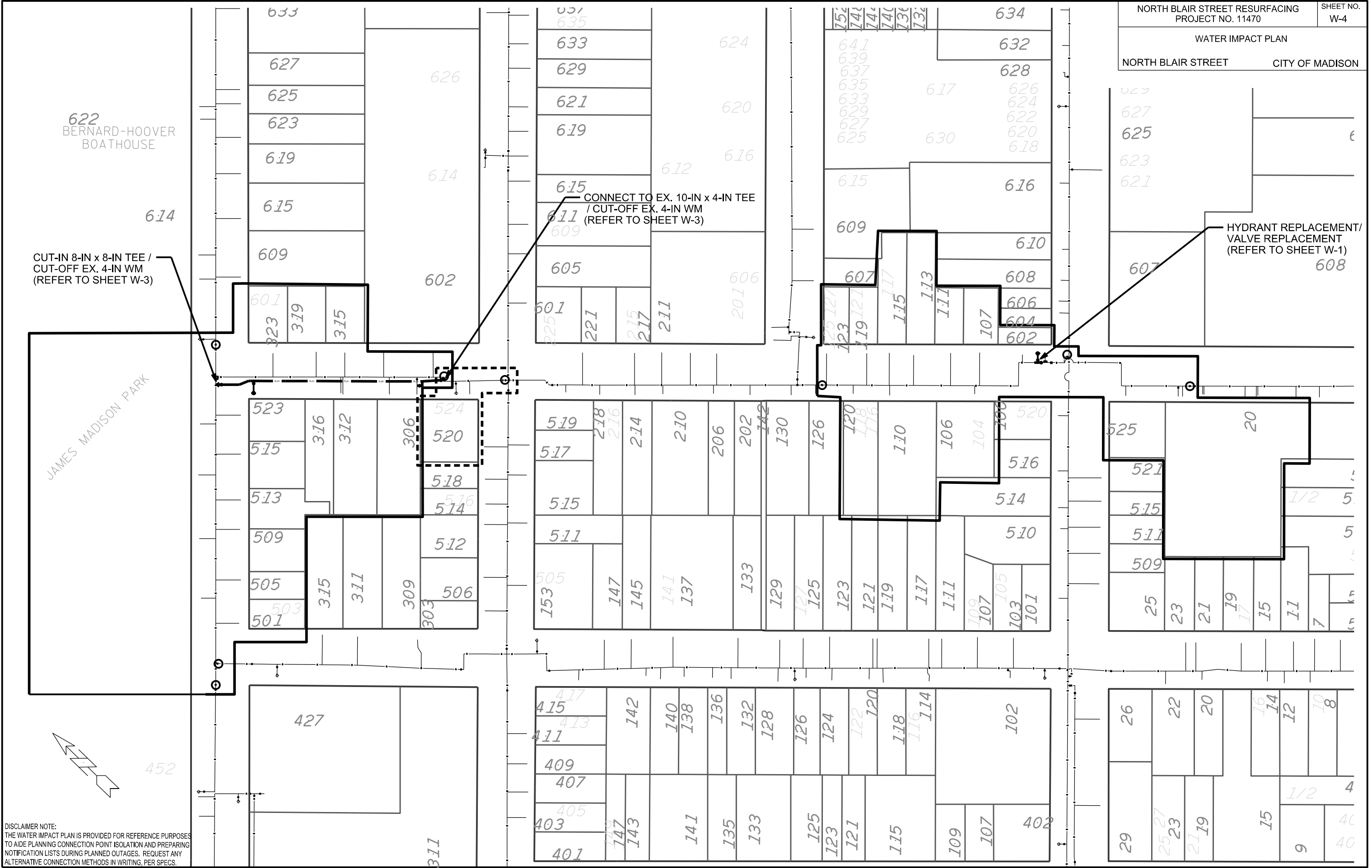
GENERAL REQUIREMENTS - PROPOSED WATER MAIN PROFILES:  
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.  
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.  
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)  
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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.

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

REVISED: 6/12/18 ARW  
(UPDATED MATERIAL ESTIMATE PER  
REVISED SHEET W-3 - 6/12/18)

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.

- 16-FT - 4-IN PIPE
- 30-FT - 6-IN PIPE
- 0-FT - 8-IN PIPE
- 245-FT - 10-IN PIPE
- 360-FT POLYWRAP
- 2 - 5-IN HYDRANT ASSEMBLY
- 2 - 4-IN VALVE & BOX
- 2 - 6-IN VALVE & BOX
- 2 - 10-IN VALVE & BOX
- 12 - VALVE BOX TOP CASTING W/ LID
- 1 - 8-IN X 8-IN TEE
- 2 - 10-IN X 4-IN TEE
- 2 - 10-IN X 6-IN TEE
- 0 - 10-IN X 8-IN REDUCER
- 3 - 4-IN 90° BEND
- 2 - 10-IN 22.5° BEND
- 1 - 4-IN MJ CAP
- 1 - 6-IN MJ CAP
- 1 - 10-IN MJ PLUG
- 40-FT - 2-IN STYROFOAM
- COPPER TUBING AS REQ'D.

MATERIALS SUPPLIED BY CITY:

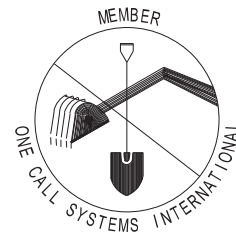
\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

NONE

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

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

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

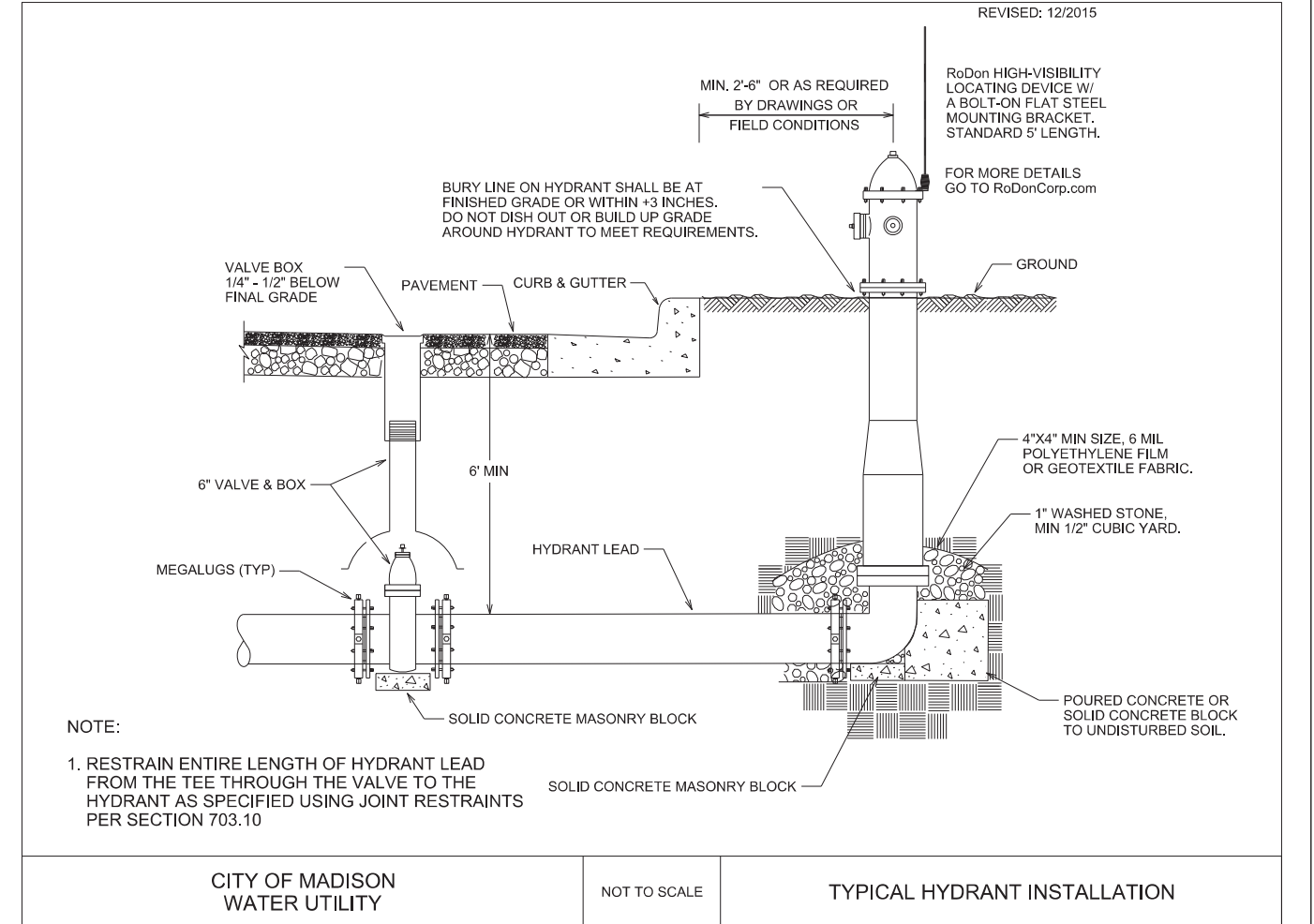


DISCLAIMER NOTE:  
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



CITY OF MADISON  
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

GENERAL NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD, AFTER CURB AND GUTTER IS STAKED OR IN PLACE. THE CONTRACTOR SHALL NOTIFY JERRY SCHIPPA (608) 267-1969 CITY TRAFFIC ENGINEERING AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2017 EDITION AND ALL ADDENDUMS THERETO.
3. ALL CONDUIT SHALL BE PVC SCHEDULE 80 BENEATH PAVEMENT, PULL WIRE REQUIRED AS PER STANDARD SPECIFICATION.
4. THE CONTRACTOR SHALL ENSURE AREA STREET LIGHTS AND LIGHTING CIRCUITS OUTSIDE OF THE CONSTRUCTION AREA WHICH ARE FED POWER FROM EXISTING CIRCUITS INSIDE THE CONSTRUCTION AREA REMAIN OPERATIONAL AT ALL TIMES. CONTRACTOR SHALL ENSURE STREET LIGHTS WITHIN THE PROJECT AREA ARE IN OPERATION BY USE OF TEMPORARY STREET LIGHTS UNTIL NEW STREET LIGHT POLES AND FIXTURES CAN BE INSTALLED.
5. PRIOR TO REMOVING STREET LIGHT AND TRAFFIC SIGNAL POLES, CONTACT TROY VANT (608) 395-1975 TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS PRIOR TO REMOVING EXISTING POLES. EXISTING POLES, AND STREET LIGHT FIXTURES ARE TO BE SALVAGED AND RE-INSTALLED ONCE NEW BASES HAVE BEEN INSTALLED.
6. PRIOR TO INSTALLING NEW CONCRETE BASES, CONTACT DENNIS ROWE (608) 266-9034 AT THE TRAFFIC ENGINEERING SHOP TO PICK UP THE FOLLOWING ITEMS:  
  
 TYPE G BASE: 3/4" X 19" ANCHOR BOLTS, QTY (8)  
 LB-3 BASE: 1" X 40" ANCHOR BOLTS, QTY (20)  
 LB-8 BASE: 1 1/4" X 48" ANCHOR BOLTS, QTY (12)

### LEGEND

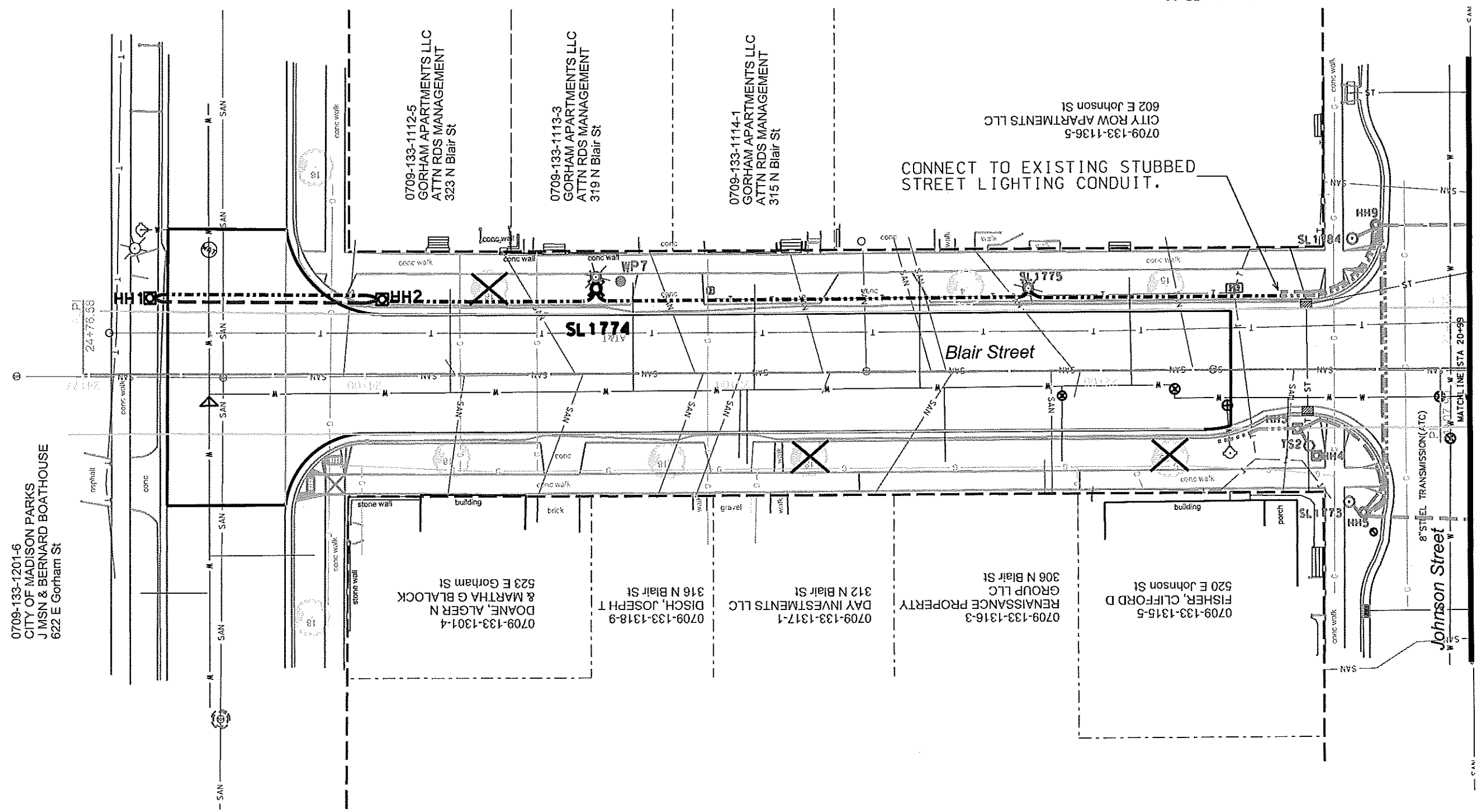
	EXISTING LB-3 OR LB-8 BASE
	EXISTING TYPE G BASE
	EXISTING HANDHOLE
	EXISTING CONDUIT
	CONSTRUCT NEW TYPE III HANDHOLE
	CONSTRUCT NEW TYPE G BASE
	CONSTRUCT NEW LB-3 BASE
	CONSTRUCT NEW LB-8 BASE
	FURNISH AND INSTALL NEW 2-INCH PVC CONDUIT FOR TRAFFIC SIGNAL (UNLESS OTHERWISE NOTED)
	FURNISH AND INSTALL NEW 2-INCH PVC CONDUIT FOR STREET LIGHTING (UNLESS OTHERWISE NOTED)
	TEMPORARY WOOD POLE, STREET LIGHTING

NOTE: NEW BASE AND HANDHOLE SYMBOLS NOT TO SCALE.

PLOT SCALE:  
  
 PLOT NAME:  
  
 REV. DATE:  
  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



SCALE: 1" = 30'



0709-133-1201-6  
CITY OF MADISON PARKS  
J MSN & BERNARD BOATHOUSE  
622 E Gorham St

0709-133-1315-5  
FISHER, CLIFFORD D  
520 E Johnson St

0709-133-1316-3  
RENAISSANCE PROPERTY  
GROUP LLC  
306 N Blair St

0709-133-1317-1  
DAY INVESTMENTS LLC  
312 N Blair St

0709-133-1318-9  
DISCH, JOSEPH T  
316 N Blair St

0709-133-1301-4  
DOANE, ALGERN  
& MARTHA G BLALOCK  
523 E Gorham St

0709-133-1112-5  
GORHAM APARTMENTS LLC  
ATTN RDS MANAGEMENT  
323 N Blair St

0709-133-1113-3  
GORHAM APARTMENTS LLC  
ATTN RDS MANAGEMENT  
319 N Blair St

0709-133-1114-1  
GORHAM APARTMENTS LLC  
ATTN RDS MANAGEMENT  
315 N Blair St

0709-133-1136-5  
CITY ROW APARTMENTS LLC  
602 E Johnson St

CONNECT TO EXISTING STUBBED  
STREET LIGHTING CONDUIT.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



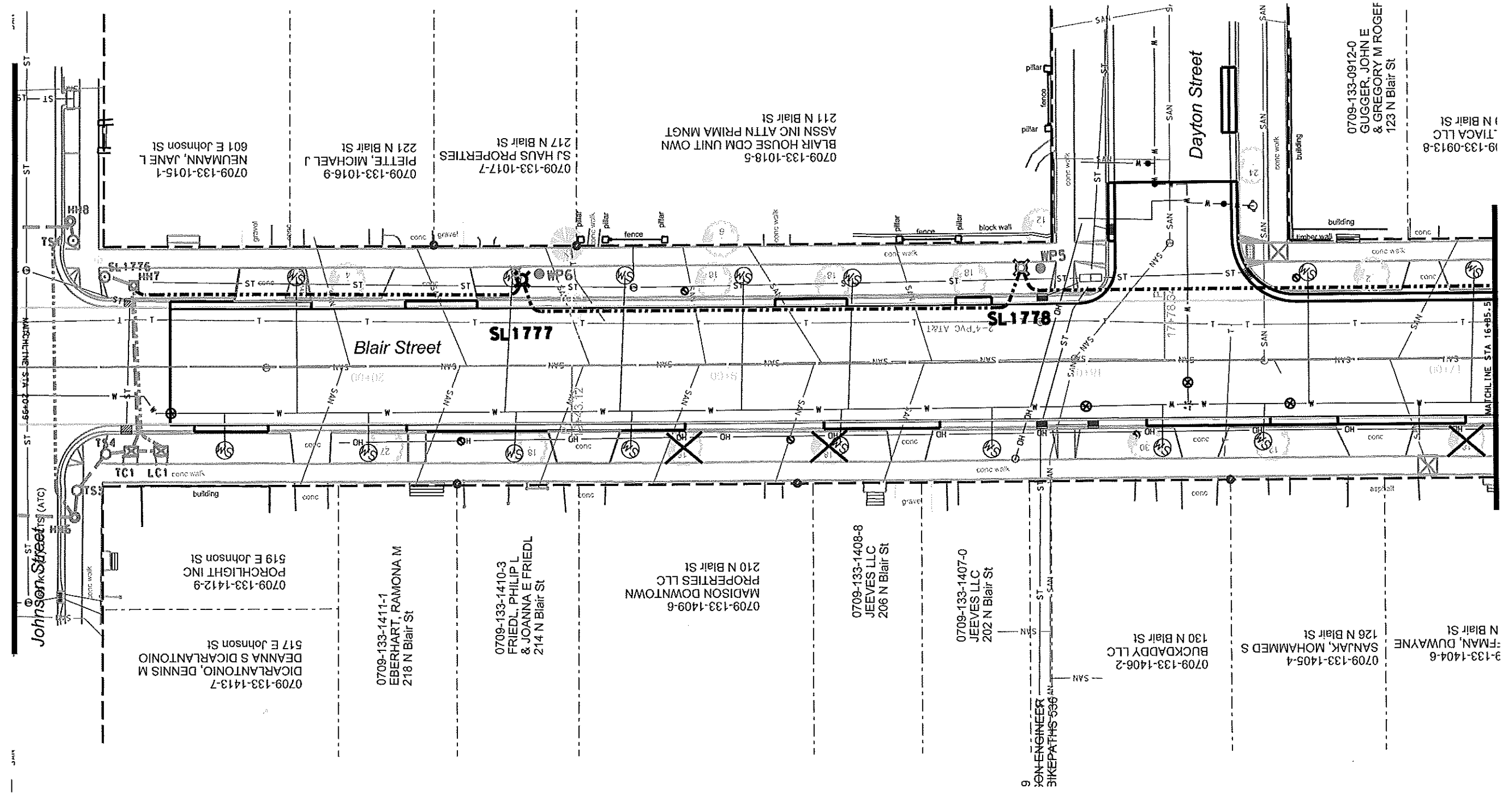
SCALE: 1" = 30'

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





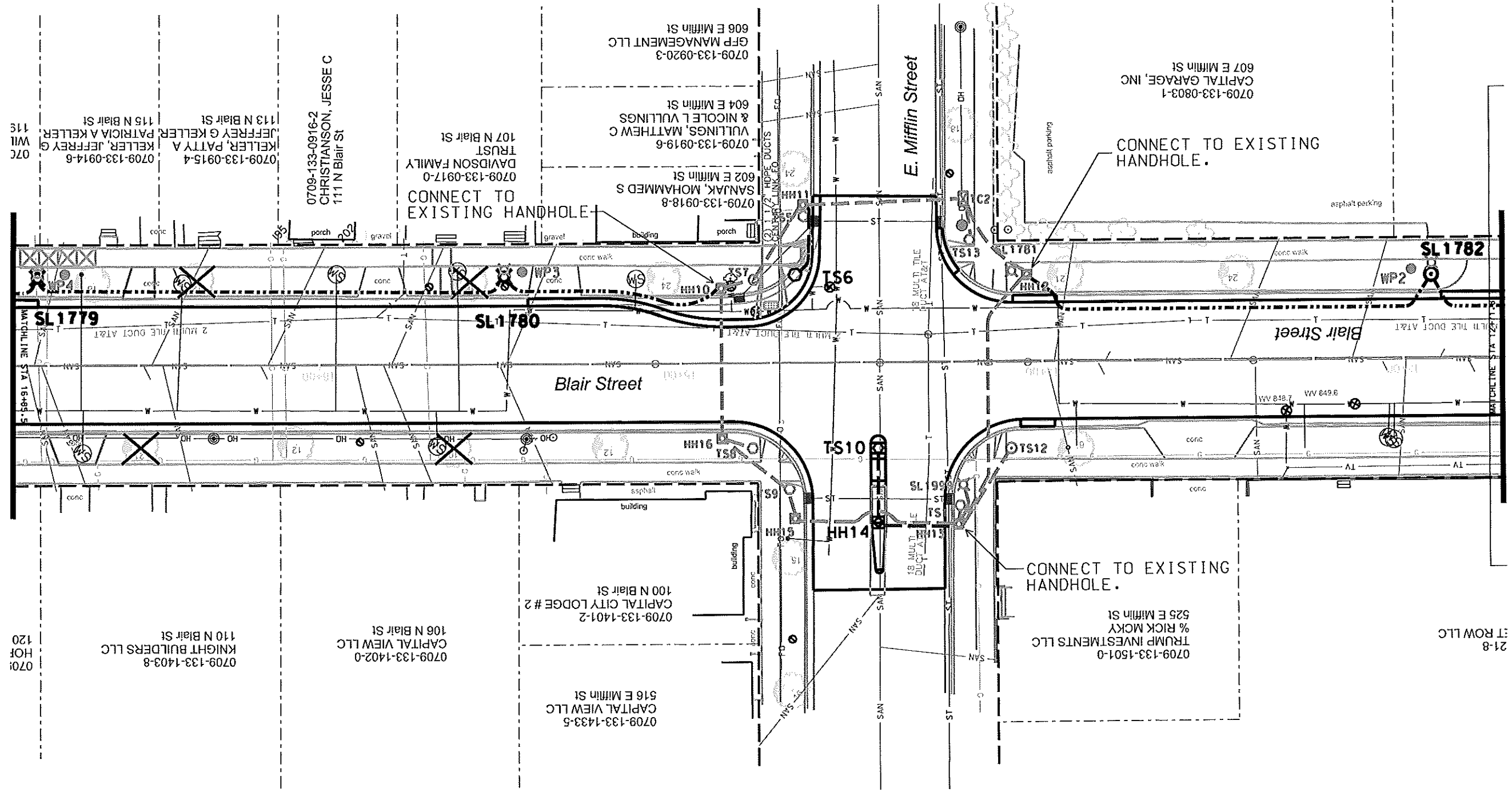
SCLAE: 1" = 30'

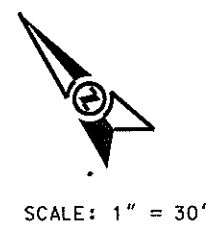
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PLOT NAME:

REV. DATE:

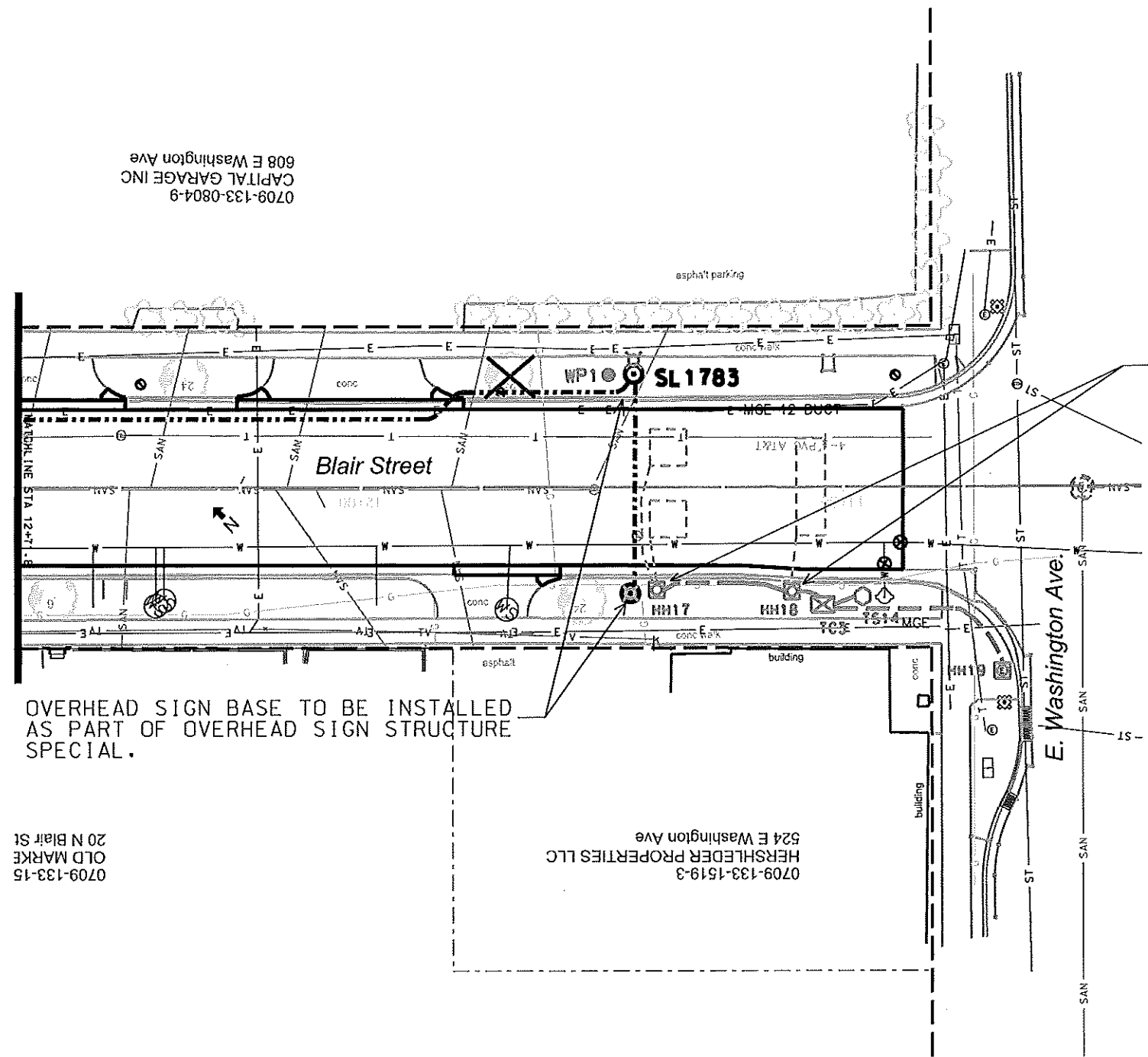
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





GENERAL NOTES:

1. NOTIFY TROY VANT (608) 395-1975, CITY TRAFFIC ENGINEERING SHOP, 24-HOURS PRIOR TO REMOVING N. BLAIR STREET PAVEMENT.
2. NOTIFY TROY VANT (608) 395-1975, CITY TRAFFIC ENGINEERING SHOP, 24-HOURS PRIOR TO FINAL BASE AGGREGATE COMPACTION OF N. BLAIR STREET WITHIN 100 FEET OF EAST WASHINGTON AVENUE.
3. CITY OF MADISON CREWS WILL INSTALL NEW LOOP DETECTORS FOR SB N BLAIR STREET APPROACH AT EAST WASHINGTON.



EXISTING HANDHOLES hhxx AND hhxx TO REMAIN.  
 EXISTING LOOP DETECTORS TO BE REMOVED  
 DURING RECONSTRUCTION.

OVERHEAD SIGN BASE TO BE INSTALLED  
 AS PART OF OVERHEAD SIGN STRUCTURE  
 SPECIAL.

0709-133-15  
 OLD MARKE  
 20 N Blair St

0709-133-1519-3  
 HERSHLER PROPERTIES LLC  
 524 E Washington Ave

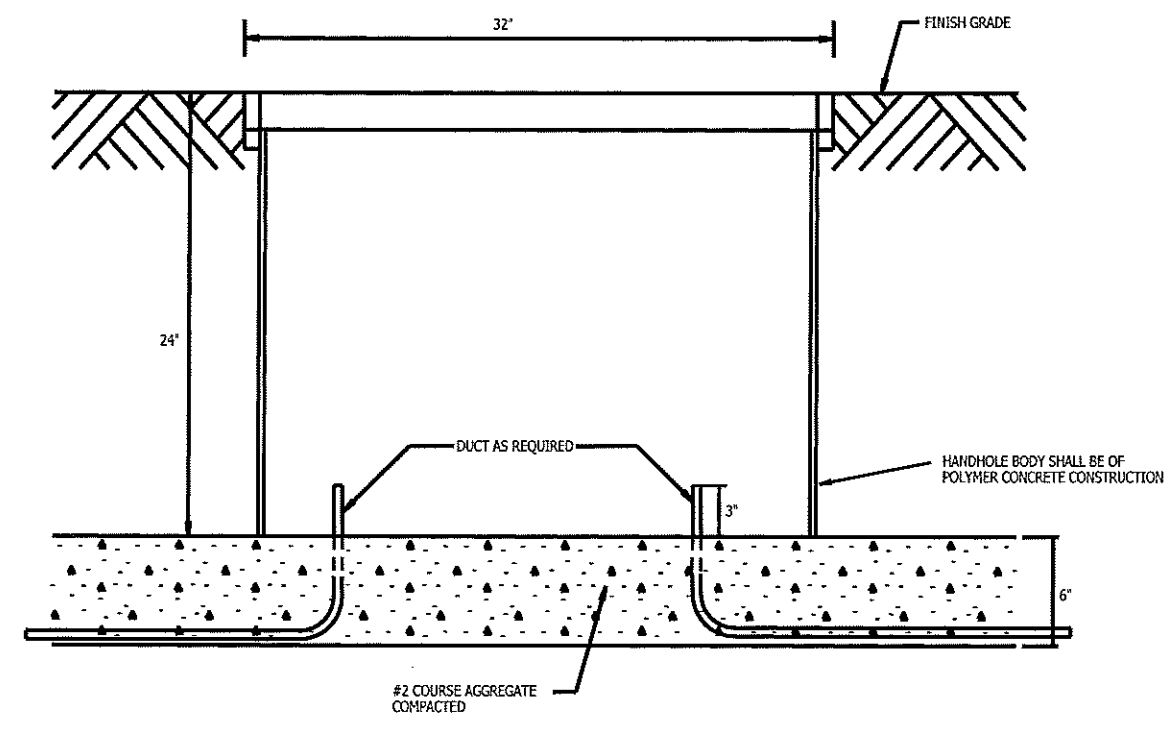
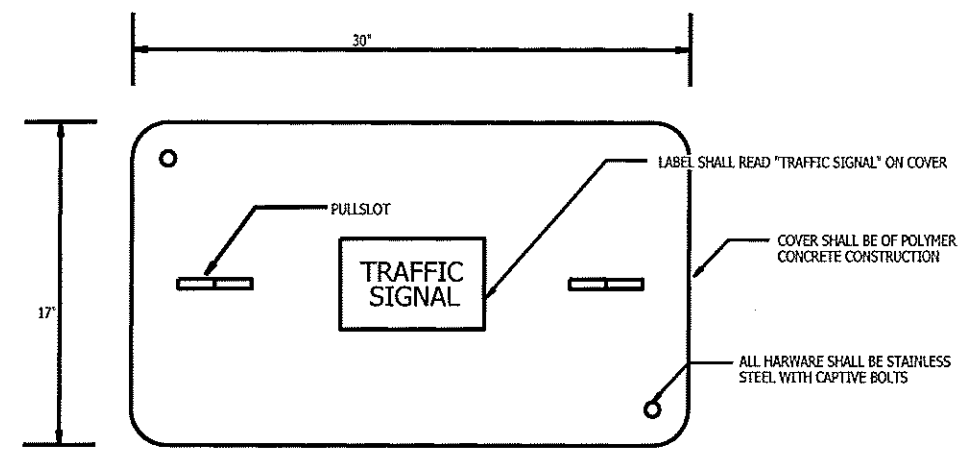
0709-133-0804-9  
 CAPITAL GARAGE INC  
 608 E Washington Ave

### LEGEND

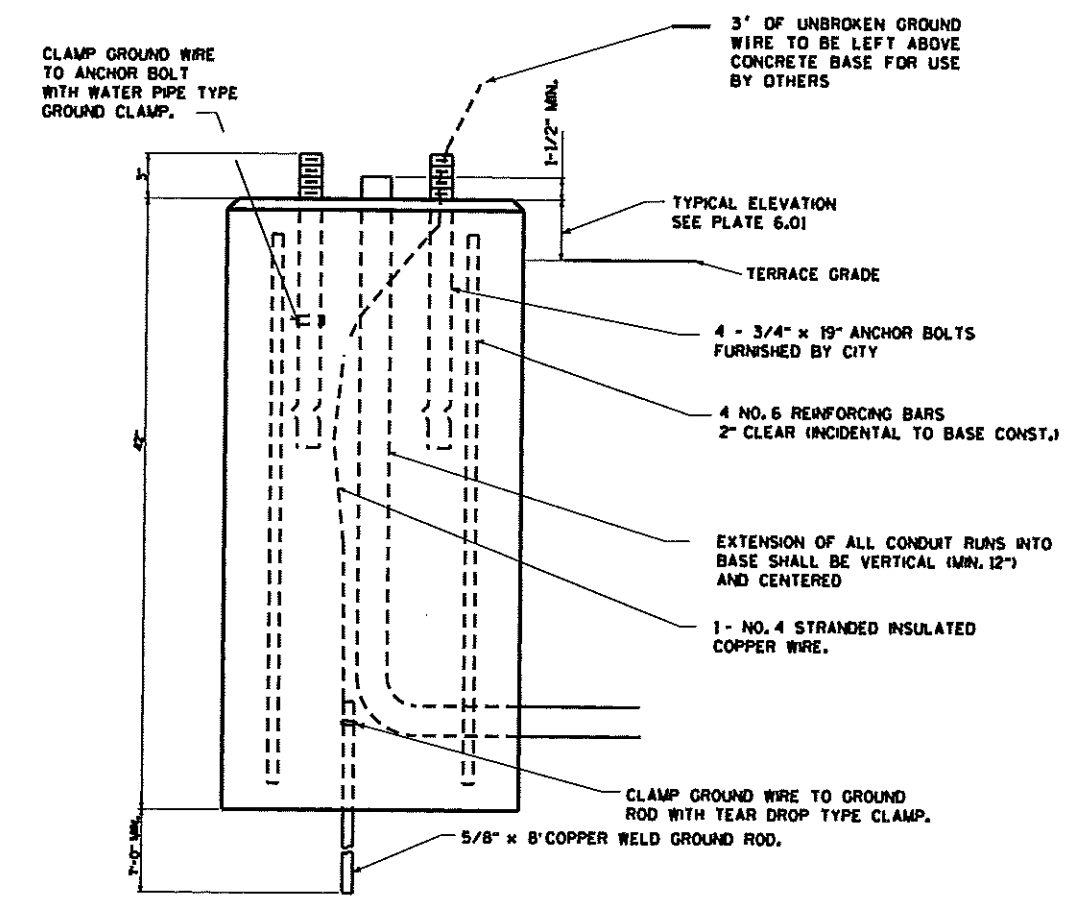
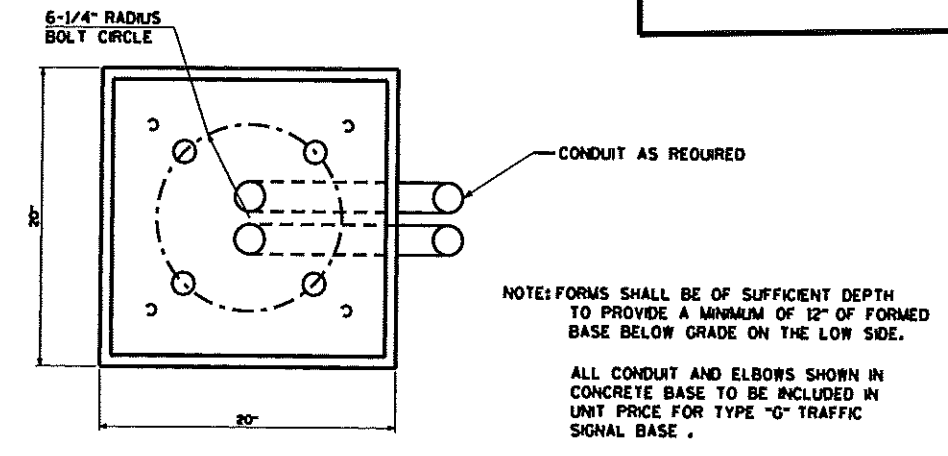
- EXISTING LB-3 OR LB-8 BASE
- EXISTING TYPE G BASE
- EXISTING HANDHOLE
- EXISTING CONDUIT
- CONSTRUCT NEW TYPE III HANDHOLE
- CONSTRUCT NEW TYPE G BASE
- CONSTRUCT NEW LB-3 BASE
- CONSTRUCT NEW LB-8 BASE
- FURNISH AND INSTALL NEW 2-INCH PVC CONDUIT FOR TRAFFIC SIGNAL (UNLESS OTHERWISE NOTED)
- FURNISH AND INSTALL NEW 2-INCH PVC CONDUIT FOR STREET LIGHTING (UNLESS OTHERWISE NOTED)
- TEMPORARY WOOD POLE, STREET LIGHTING

NOTE: NEW BASE AND HANDHOLE SYMBOLS NOT TO SCALE.

PLOT SCALE: PLOT NAME: REV. DATE: ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



DETAIL: TYPE I HANDHOLE  
 SCALE: NONE



DETAIL: TYPE G BASE  
 SCALE: NONE

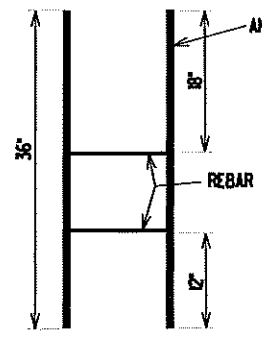
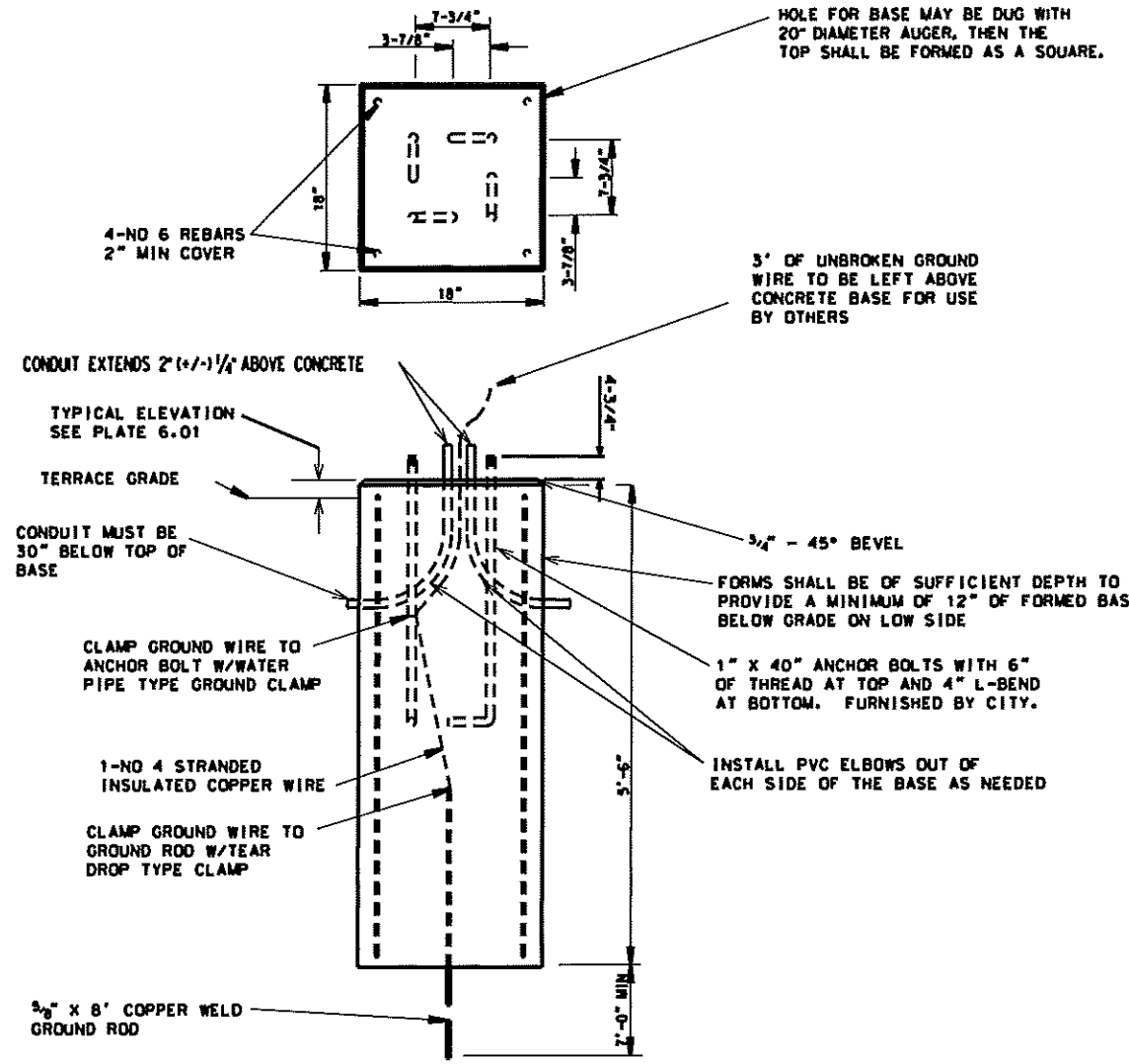
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PLOT NAME:

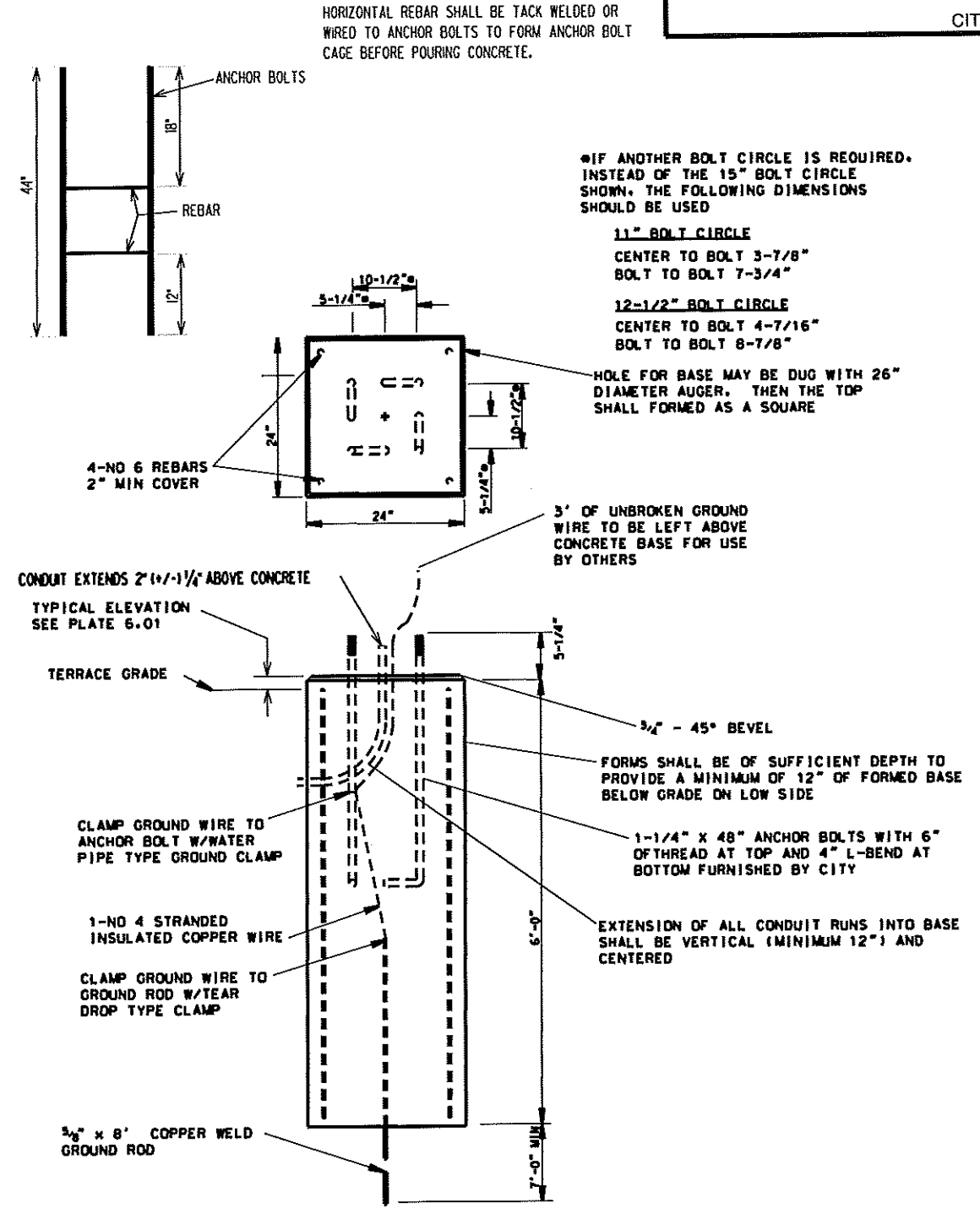
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





DETAIL: LB-3 BASE  
 SCALE: NONE



DETAIL: LB-8 BASE  
 SCALE: NONE

PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

**TRAFFIC SIGNAL CONDUIT**

CATEGORY	From	To	60222	60229	60231	60261	Comments
			<u>SCHEDULE 80</u>	<u>SCHEDULE 40</u>	<u>SCHEDULE 80</u>	<u>ELECTRICAL</u>	
			3"	2"	2"	TRENCH	
			(LF)	(LF)	(LF)	(LF)	
	HH14	HH2	63	-	-	57	1-3"
	TS10	HH14	-	21	-	10	1-2"
	HH14	HH13	-	-	22	19	1-2"
	HH11	TS6	-	16	-	16	1-2"
<b>SUBTOTALS</b>			63	37	22	102	

**STREET LIGHTING CONDUIT**

CATEGORY	From	To	60229	60231	60253	60261	Comments
			<u>SCHEDULE 40</u>	<u>SCHEDULE 80</u>	<u>FURNISH &amp; INSTALL</u>	<u>ELECTRICAL</u>	
			2"	2"	3#4, 1#8 WIRES	TRENCH	
			(LF)	(LF)	(LF)	(LF)	
	HH1	HH2	-	62	0	46	1-2"
	HH2	SL1774	60	-	60	60	1-2"
	SL1774	SL1775	118	-	118	54	1-2"
	SL1775	EXISTING	69	-	69	59	1-2"
	HH7	SL1777	52	60	112	86	1-2"
	SL1777	SL1778		149	149	144	1-2"
	SL1778	SL1779	63	83	146	73	1-2"
	SL1779	SL1780	98	35	133	108	1-2"
	SL1780	HH10	45	17	62	48	1-2"
	HH12	SL1782	-	118	118	112	1-2"
	SL1782	SL1783	38	116	154	151	1-2"
	SL1783	SIGN BASE	-	45	45	39	1-2"
<b>TOTALS</b>			543	685	1166	980	

**STREET LIGHTING AND TRAFFIC SIGNAL HANDHOLES**

STATION	OFFSET	DESCRIPTION	60702	COMMENTS
			TYPE I HANDHOLE (EACH)	
STA 24+79	20.5' R	HH1	1	
STA 23+95	20.1' R	HH2	1	
STA 14+45.5	43' L	HH3	1	
<b>TOTALS</b>			3	

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

**STREET LIGHTING AND TRAFFIC SIGNAL BASES**

STATION	OFFSET	DESCRIPTION	60411	60403	60407	60409	90102	COMMENTS
			TYPE G BASE (EACH)	LB-3 BASE (EACH)	LB-8 BASE (EACH)	OFFSET BASE (EACH)	ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED (LF)	
STA 23+37	23' R	SL1774	-	1	-	-	30	
STA 19+57	23.8' R	SL1777	-	1	-	-	30	
STA 18+18	26' R	SL1778	-	1	-	-	30	
STA 16+78	24' R	SL1779	-	1	-	-	30	
STA 15+49	24' R	SL1780	-	1	-	-	30	
STA 14+66.3	23.6' R	TS 6	1	-	-	-	0	
STA 14+45.5	23.5' L	TS 10	1	-	-	-	0	
STA 12+92	22.8' R	SL1782	-	-	1	-	30	
STA 11+43	23' R	SL1783	-	-	-	-	30	
UNDISTRIBUTED	-	-	-	-	-	1	-	
<b>TOTALS</b>			2	5	1	1	210	

**TRAFFIC SIGNAL CABLE AND WIRE**

POLE WIRES				
CATEGORY	AT POLE #	TO HEAD #	90100 5-14 AWG (LF)	COMMENTS
	TS1	PED BUTTON	4	
	TS2	PED BUTTON	4	
<b>TOTAL</b>			8	

CATEGORY	FROM	TO	90100	90101
			ELECTRICAL WIRE 5-14 AWG (LF)	ELECTRICAL WIRE 10 AWG (LF)
	TC2	TS6	70	
	TC2	TS10	144	
<b>TOTAL</b>			214	428

	SYSTEM GROUND	214
	SYSTEM NEUTRAL	214
<b>TOTAL</b>		428

PLOT SCALE:  
  
 PLOT NAME:  
  
 REV. DATE:  
  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

### LEGEND

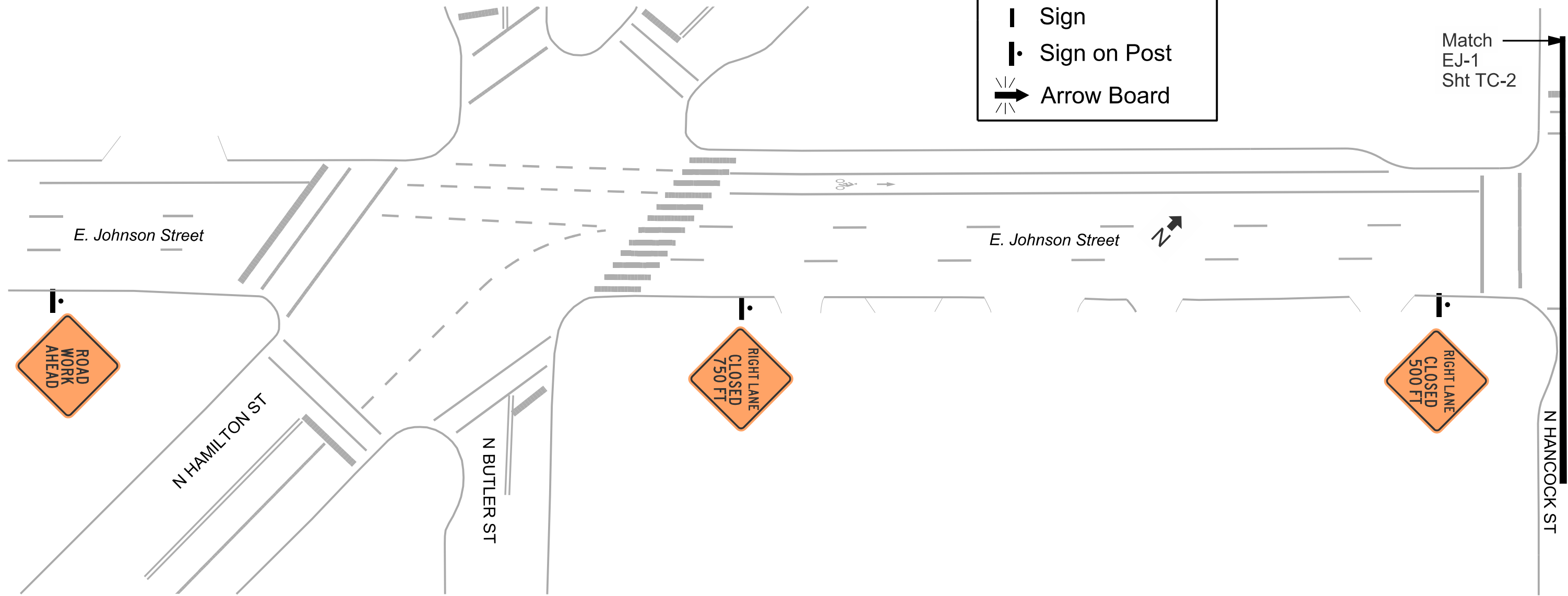
- Barrel
- Barrel w/Light
- ⊕ Barricade
- | Sign
- |• Sign on Post
- ⇨ Arrow Board







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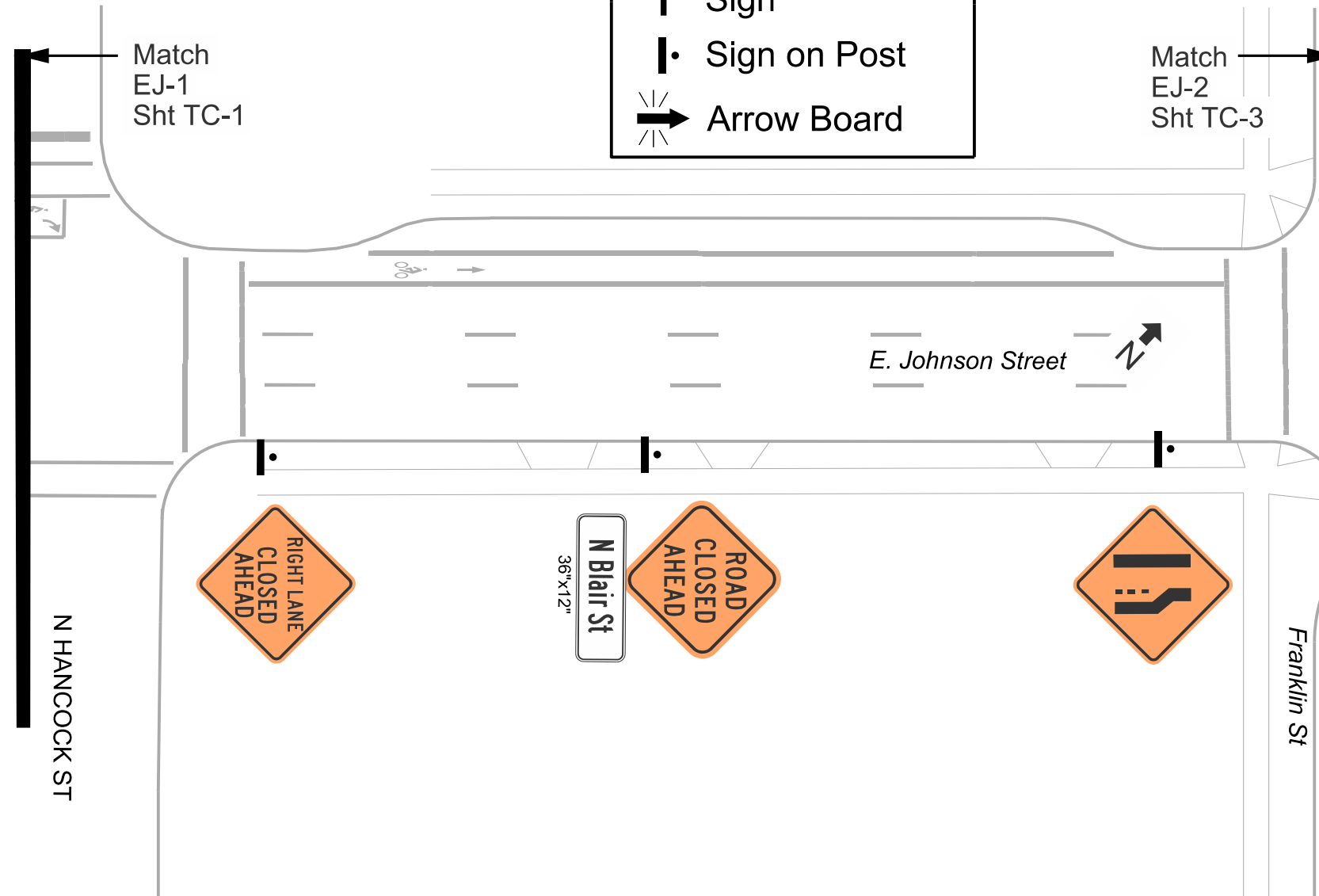
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



LEGEND	
	Barrel
	Barrel w/Light
	Barricade
	Sign
	Sign on Post
	Arrow Board



PLOT SCALE:

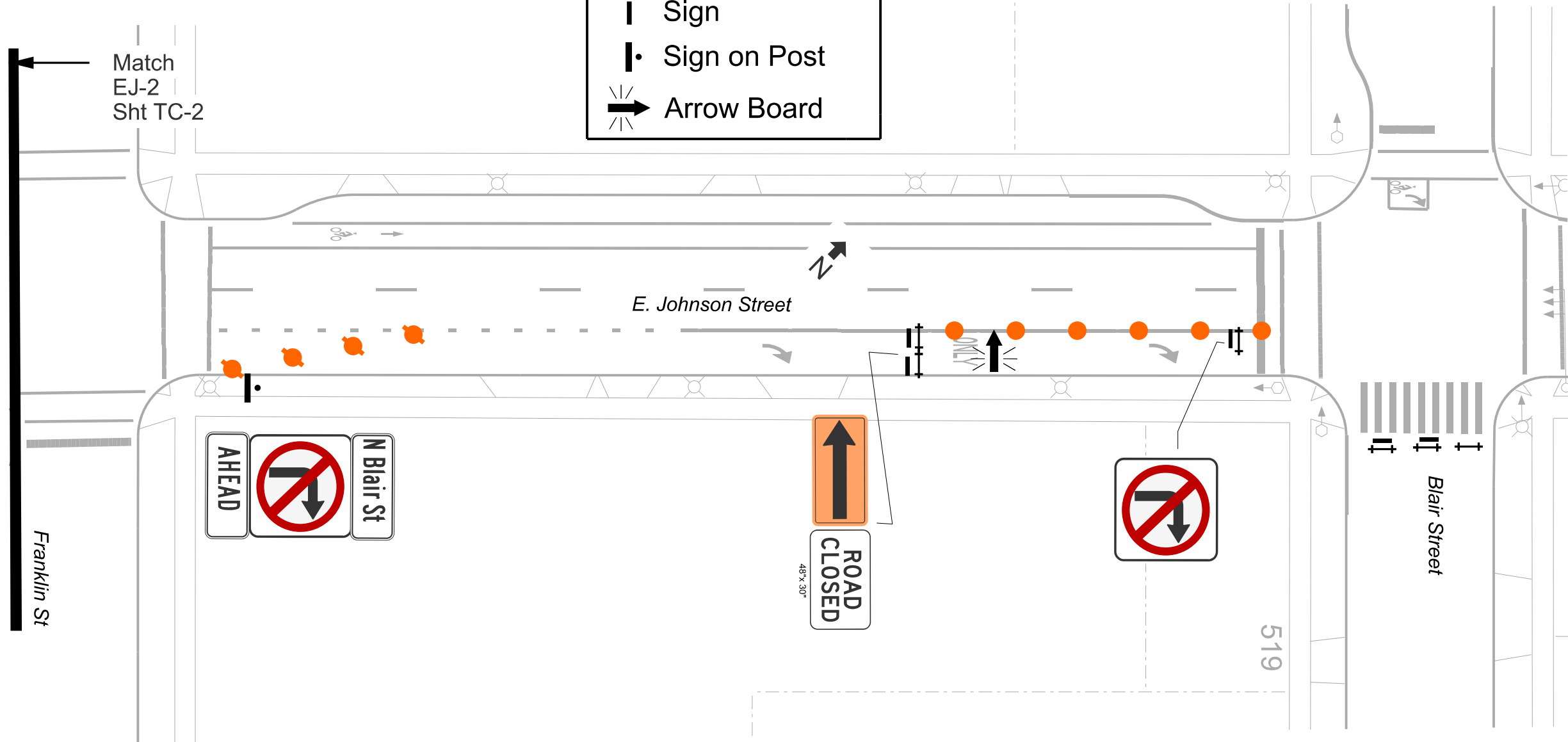
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

**LEGEND**

- Barrel
- Barrel w/Light
- † Barricade
- | Sign
- Sign on Post
- ➔ Arrow Board



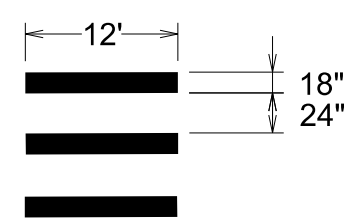
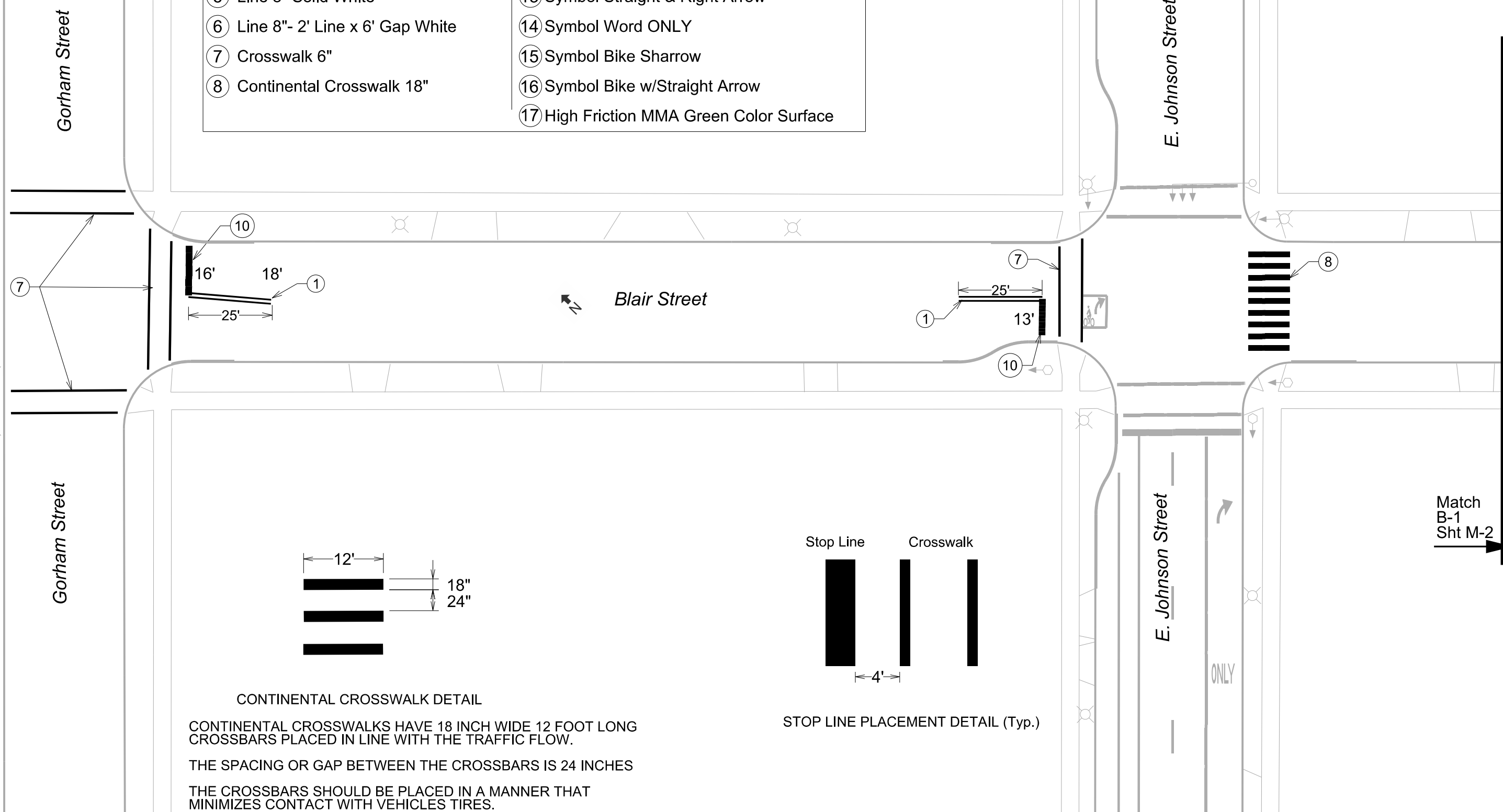
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

Pavement Marking Legend	
① Line 4" Dbl Yellow	⑨ Stop Line 18" (paid as 24")
② Line 6" Solid White	⑩ Stop Line 24"
③ Line 6"- 5' Line x 5' Gap White	⑪ Symbol Left Arrow
④ Line 6"- 10' Line x 30' Gap White	⑫ Symbol Straight & Left Arrow
⑤ Line 8" Solid White	⑬ Symbol Straight & Right Arrow
⑥ Line 8"- 2' Line x 6' Gap White	⑭ Symbol Word ONLY
⑦ Crosswalk 6"	⑮ Symbol Bike Sharrow
⑧ Continental Crosswalk 18"	⑯ Symbol Bike w/Straight Arrow
	⑰ High Friction MMA Green Color Surface

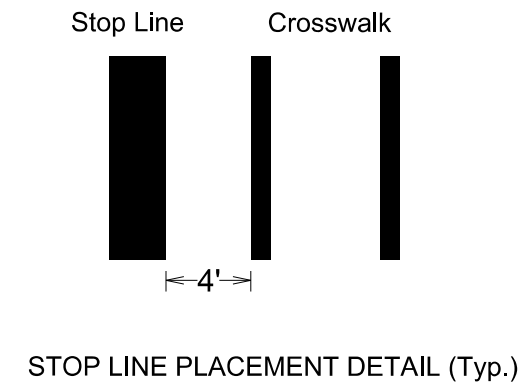


**CONTINENTAL CROSSWALK DETAIL**

CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.

THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES

THE CROSSBARS SHOULD BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.



Match  
B-1  
Sht M-2

PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

Pavement Marking Legend

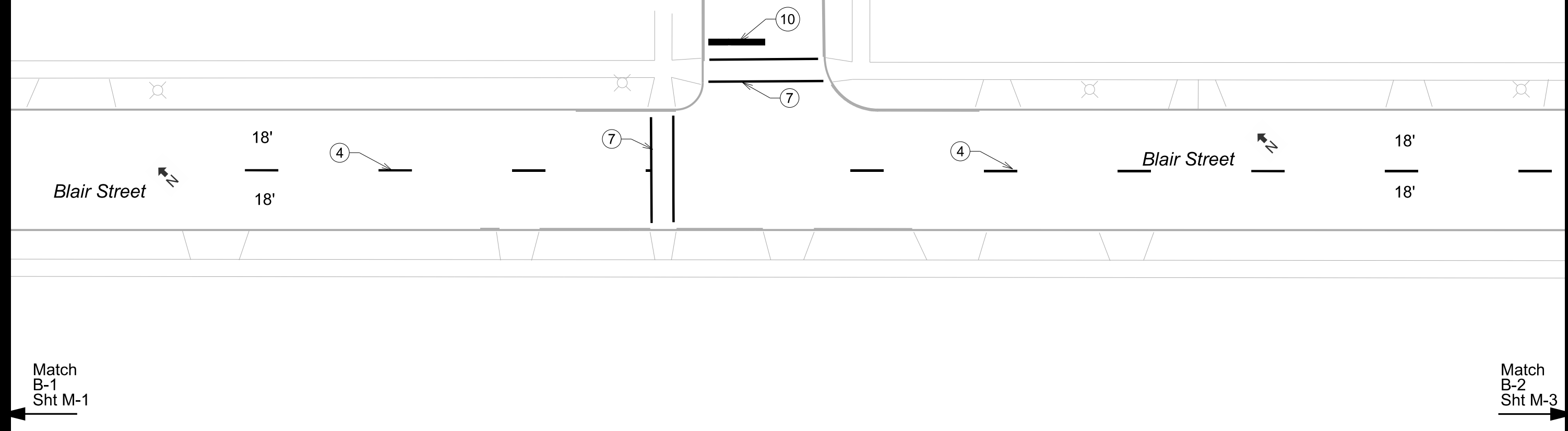
- |                                     |   |
|-------------------------------------|---|
| ① Line 4" Dbl Yellow                | ⑨ Stop Line 18" (paid as 24")           |
| ② Line 6" Solid White               | ⑩ Stop Line 24"                         |
| ③ Line 6"- 5' Line x 5' Gap White   | ⑪ Symbol Left Arrow                     |
| ④ Line 6"- 10' Line x 30' Gap White | ⑫ Symbol Straight & Left Arrow          |
| ⑤ Line 8" Solid White               | ⑬ Symbol Straight & Right Arrow         |
| ⑥ Line 8"- 2' Line x 6' Gap White   | ⑭ Symbol Word ONLY                      |
| ⑦ Crosswalk 6"                      | ⑮ Symbol Bike Sharrow                   |
| ⑧ Continental Crosswalk 18"         | ⑯ Symbol Bike w/Straight Arrow          |
|                                     | ⑰ High Friction MMA Green Color Surface |

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





Pavement Marking Legend

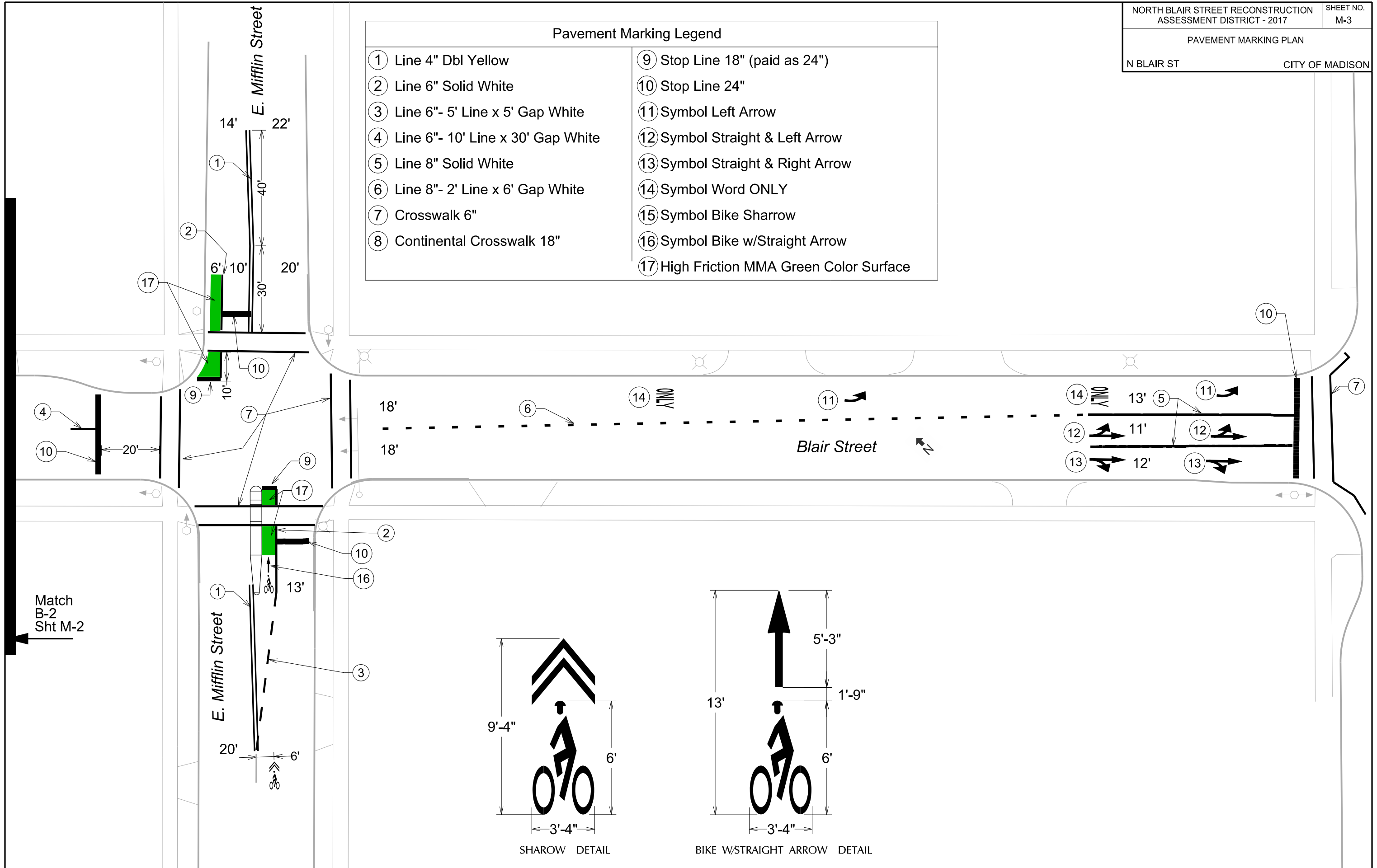
- |                                     |   |
|-------------------------------------|---|
| ① Line 4" Dbl Yellow                | ⑨ Stop Line 18" (paid as 24")           |
| ② Line 6" Solid White               | ⑩ Stop Line 24"                         |
| ③ Line 6"- 5' Line x 5' Gap White   | ⑪ Symbol Left Arrow                     |
| ④ Line 6"- 10' Line x 30' Gap White | ⑫ Symbol Straight & Left Arrow          |
| ⑤ Line 8" Solid White               | ⑬ Symbol Straight & Right Arrow         |
| ⑥ Line 8"- 2' Line x 6' Gap White   | ⑭ Symbol Word ONLY                      |
| ⑦ Crosswalk 6"                      | ⑮ Symbol Bike Sharrow                   |
| ⑧ Continental Crosswalk 18"         | ⑯ Symbol Bike w/Straight Arrow          |
|                                     | ⑰ High Friction MMA Green Color Surface |

PLOT SCALE:

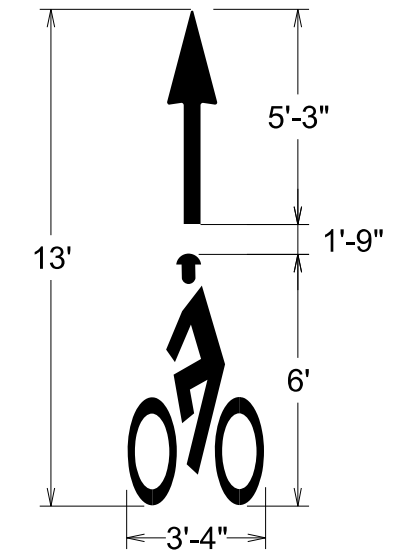
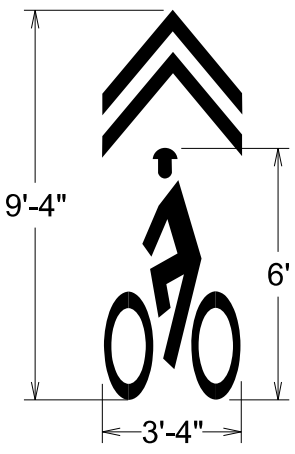
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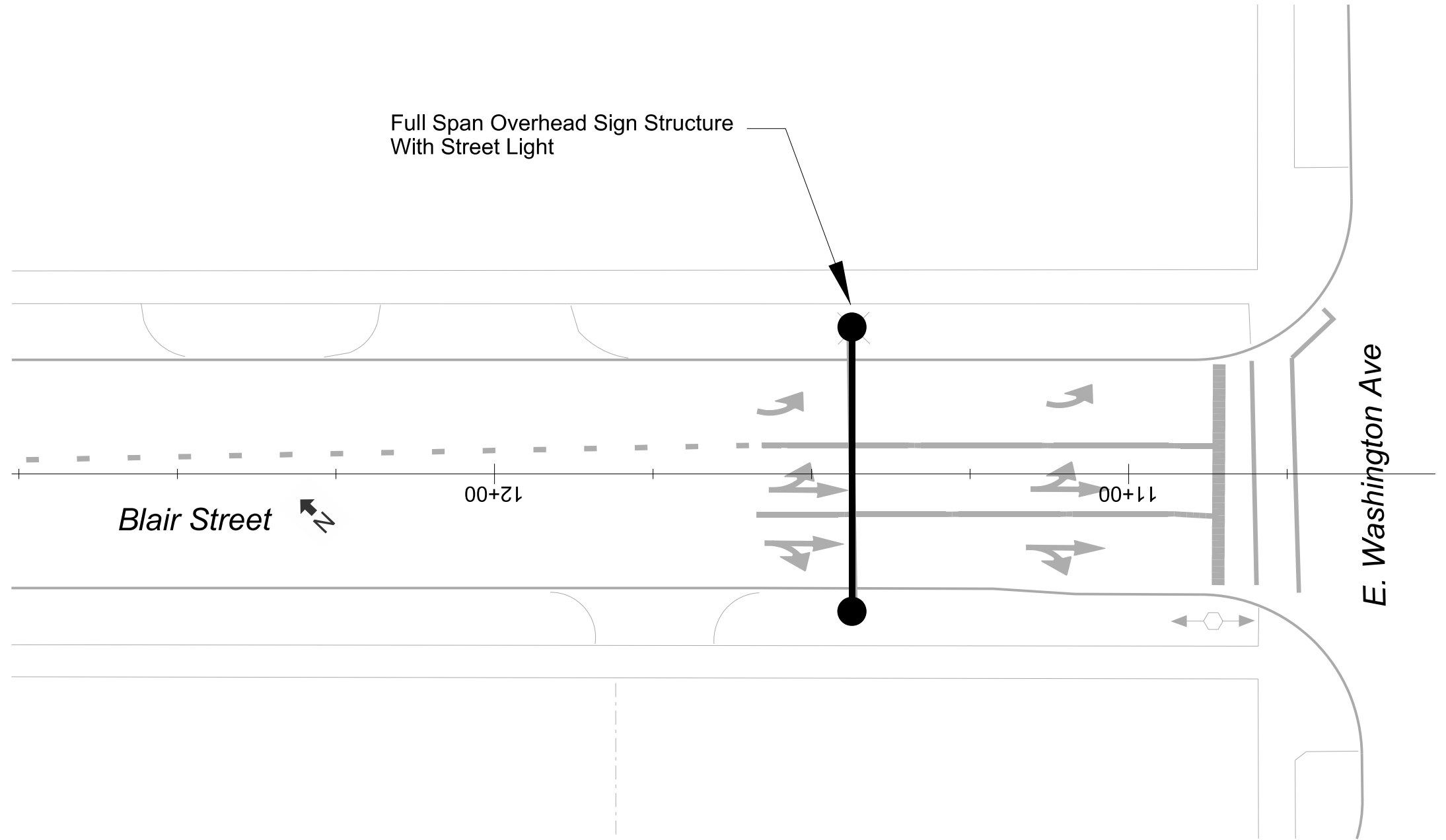
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Match  
B-2  
Sht M-2



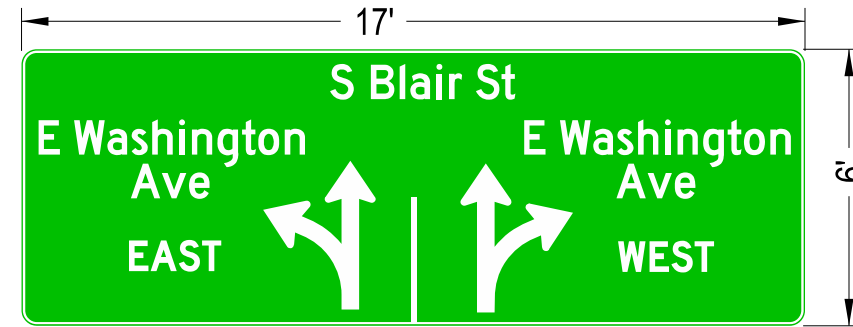


PLOT SCALE:

PLOT NAME:

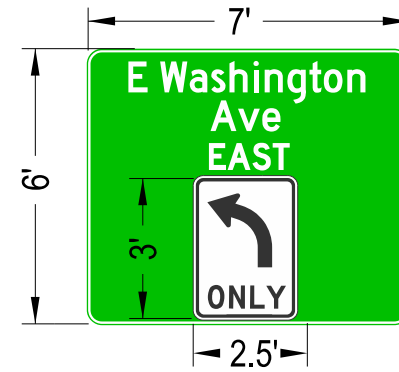
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



**SIGN SPECIFICATIONS**

MATERIALS TO BE CURRENT MUTCD STANDARDS  
 STREET NAMES  
 FONT = HIGHWAY GOTHIC "D" SERIES  
 SIZE = 9" UPPER CASE  
 DIRECTION  
 FONT = HIGHWAY GOTHIC "D" SERIES  
 SIZE = 8" UPPER CASE  
 BACKGROUND = GREEN  
 MESSAGE = WHITE



**SIGN SPECIFICATIONS**

MATERIALS TO BE CURRENT MUTCD STANDARDS  
 STREET NAMES  
 FONT = HIGHWAY GOTHIC "D" SERIES  
 SIZE = 8" UPPER CASE  
 DIRECTION  
 FONT = HIGHWAY GOTHIC "D" SERIES  
 SIZE = 7" UPPER CASE  
 BACKGROUND = GREEN  
 MESSAGE = WHITE

**ONLY SIGN**

FONT = HIGHWAY GOTHIC "D" SERIES  
 SIZE = 6" UPPER CASE  
 BACKGROUND = WHITE  
 MESSAGE = BLACK

THE CONTRACTOR SHALL PROVIDE THE CITY TRAFFIC ENGINEER  
 SHOP DRAWINGS FOR FINAL APPROVAL PRIOR TO FABRICATION

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

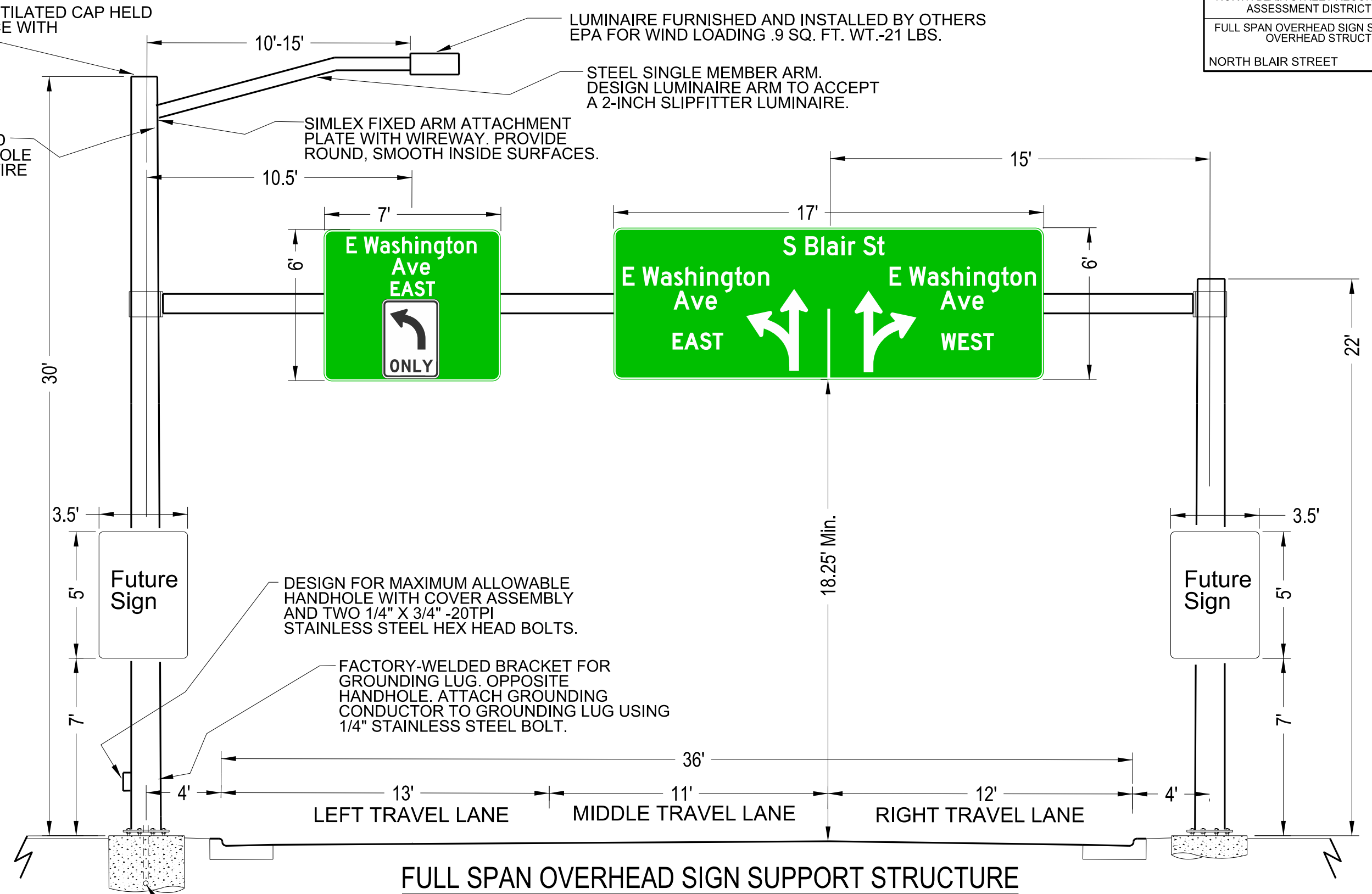
REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

LUMINAIRE FURNISHED AND INSTALLED BY OTHERS EPA FOR WIND LOADING .9 SQ. FT. WT.-21 LBS.

STEEL SINGLE MEMBER ARM. DESIGN LUMINAIRE ARM TO ACCEPT A 2-INCH SLIPFITTER LUMINAIRE.

SIMLEX FIXED ARM ATTACHMENT PLATE WITH WIREWAY. PROVIDE ROUND, SMOOTH INSIDE SURFACES.

FACTORY-WELDED "J" HOOK INSIDE POLE FOR LUMINAIRE WIRE STRAIN RELIEF.



### FULL SPAN OVERHEAD SIGN SUPPORT STRUCTURE

#### GENERAL NOTES

- 1) DRAWINGS NOT TO SCALE
- 2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS."
- 3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT."
- 4) PROVIDE DESIGN CALCULATIONS

SUPPORT FOOTING TO PROVIDE 2-2" CONDUITS RUNNING FROM OPP. SIDES OF SUPPORT PARALLEL TO CURB LINE STARTING AT 30" BELOW GRADE AND UP THROUGH CENTER OF ANCHOR BOLTS

PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

CROSS SECTIONS

BLAIR STREET

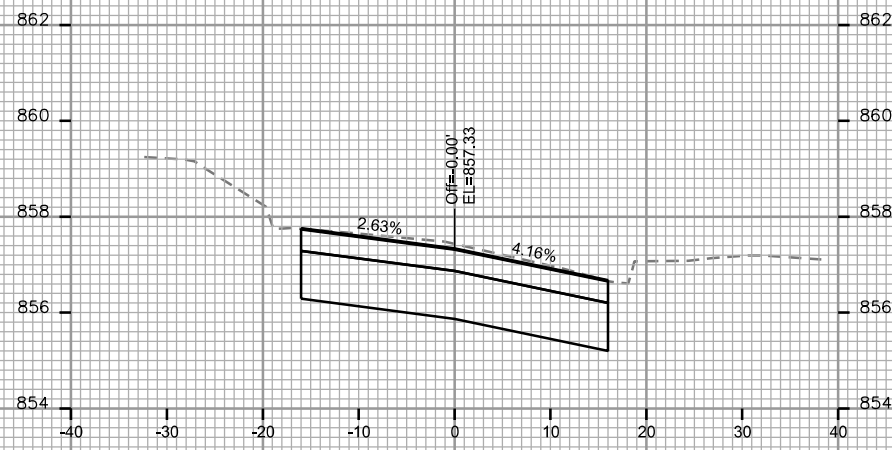
CITY OF MADISON

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

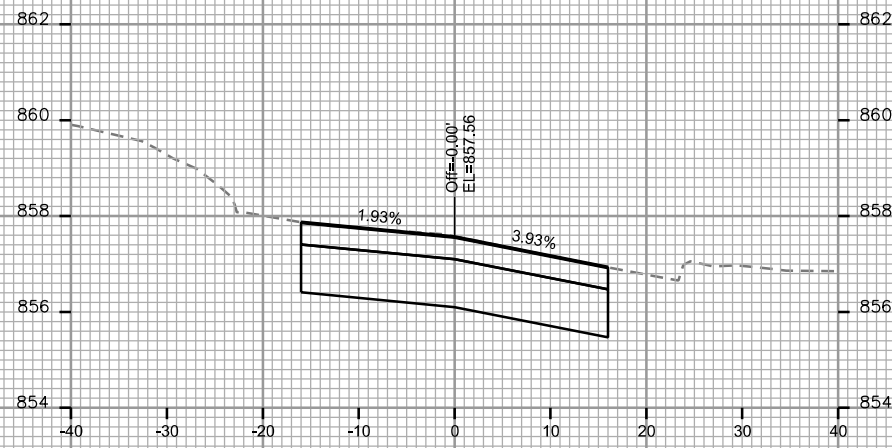
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REV. DATE: \_\_\_\_\_

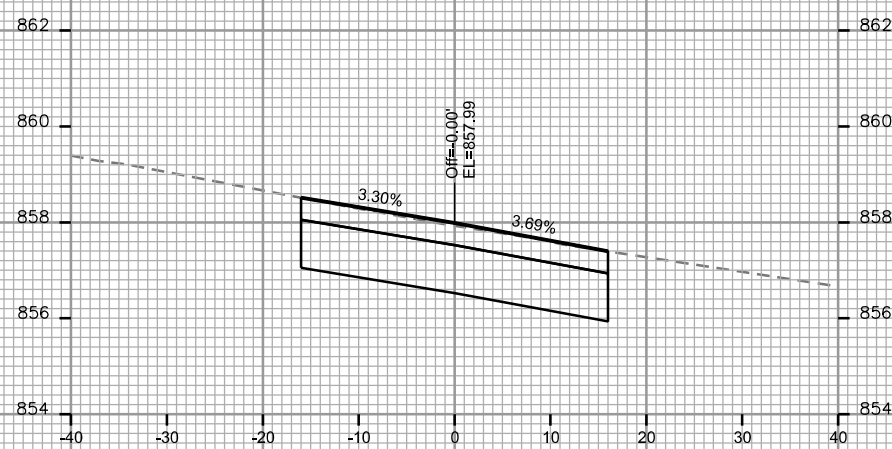
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



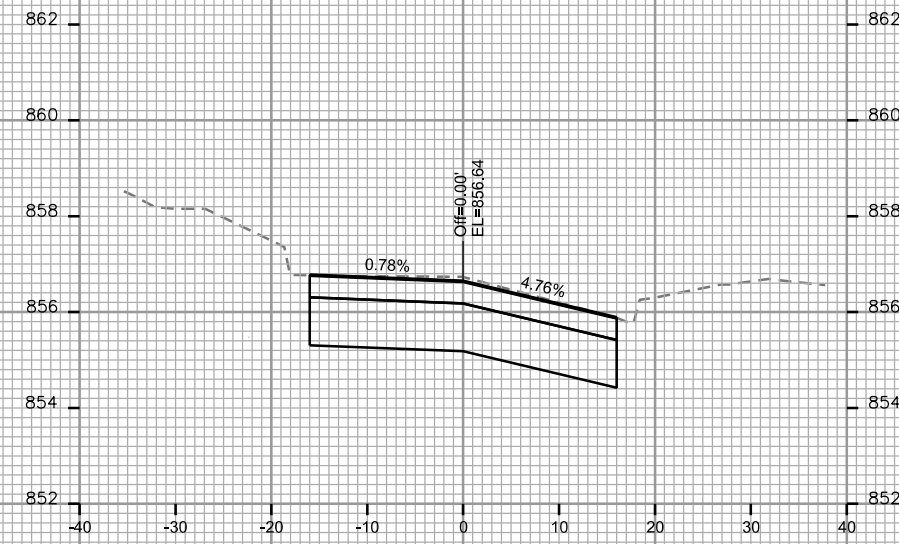
STA. 11+00



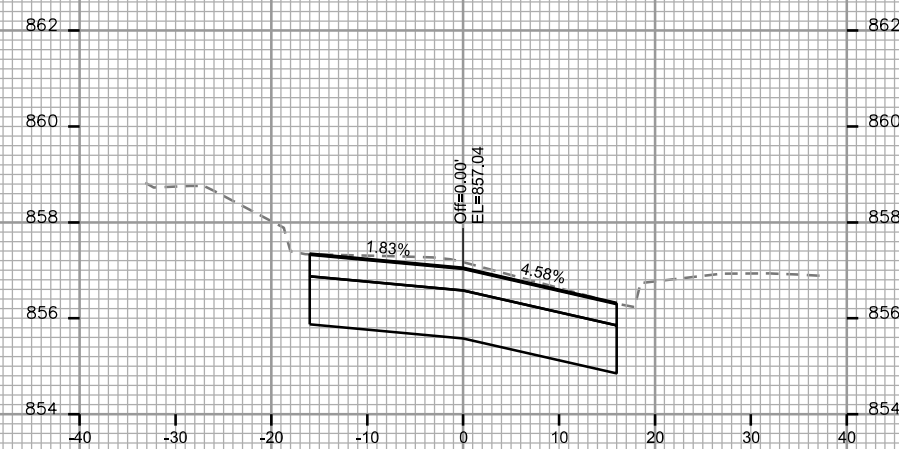
STA. 10+75



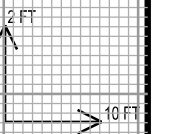
STA. 10+50



STA. 11+50



STA. 11+25

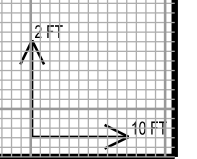
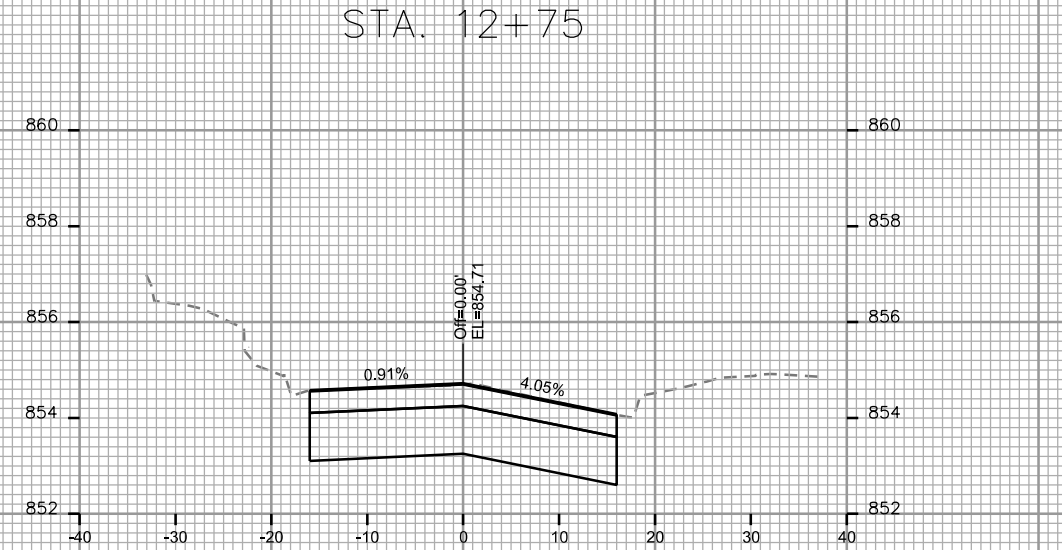
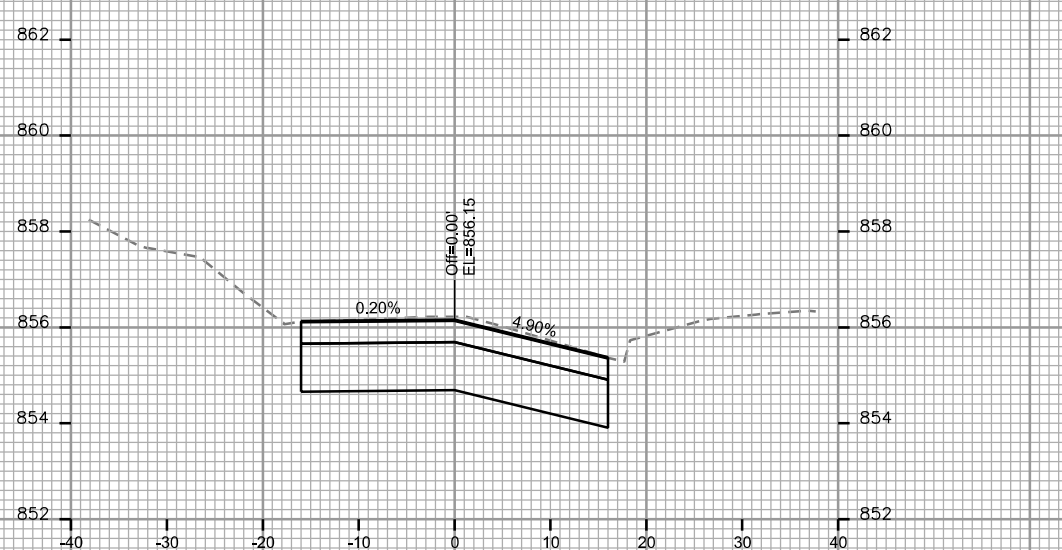
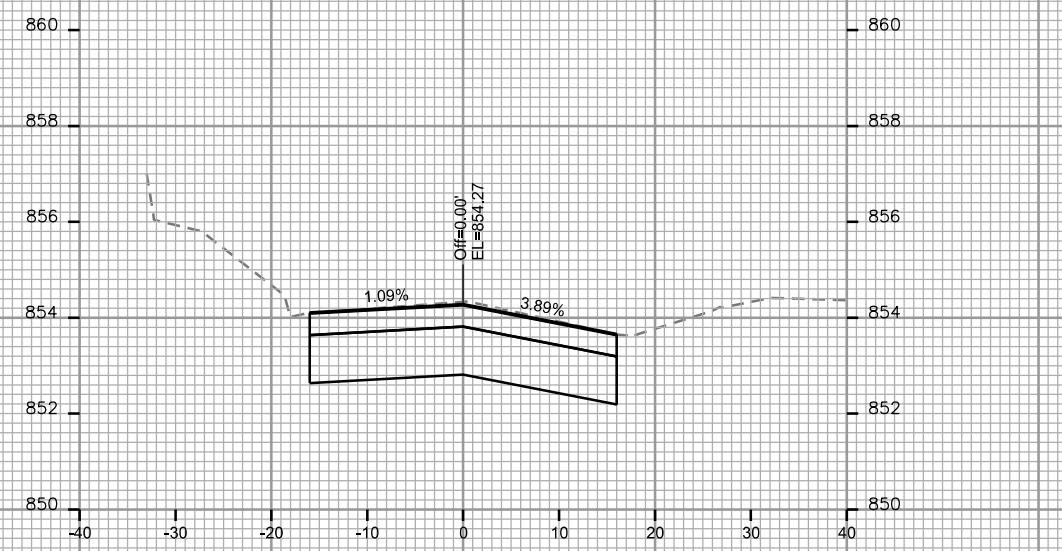
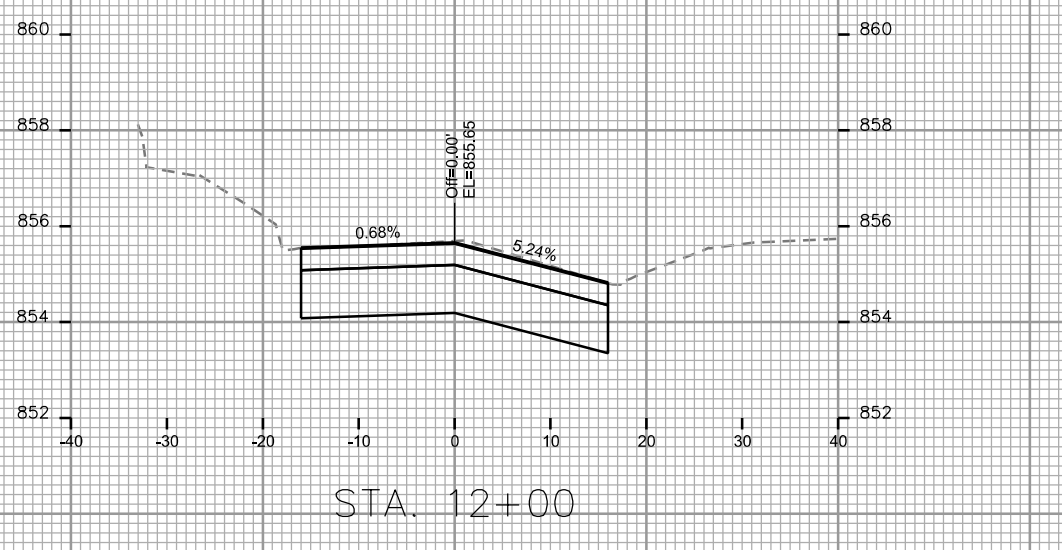
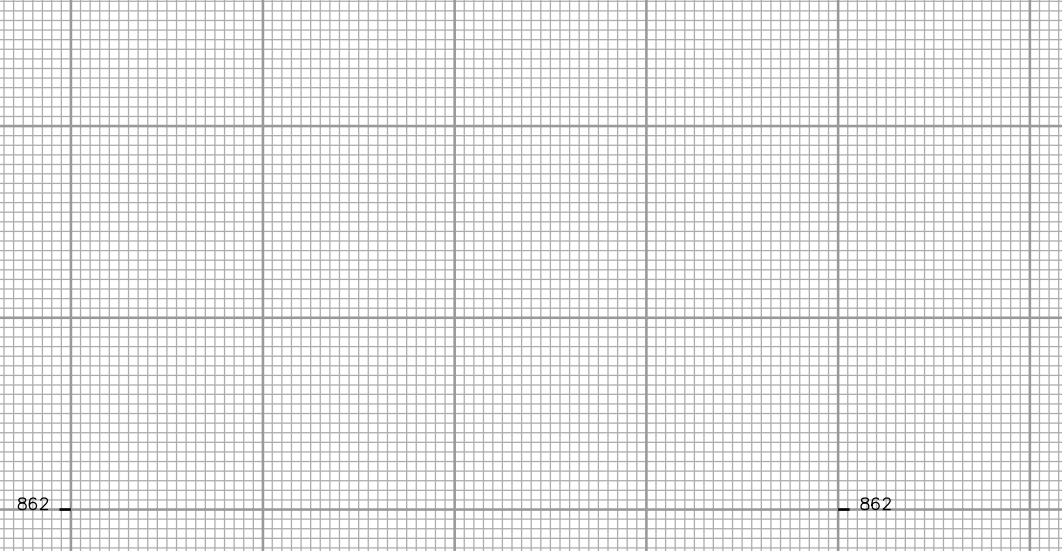


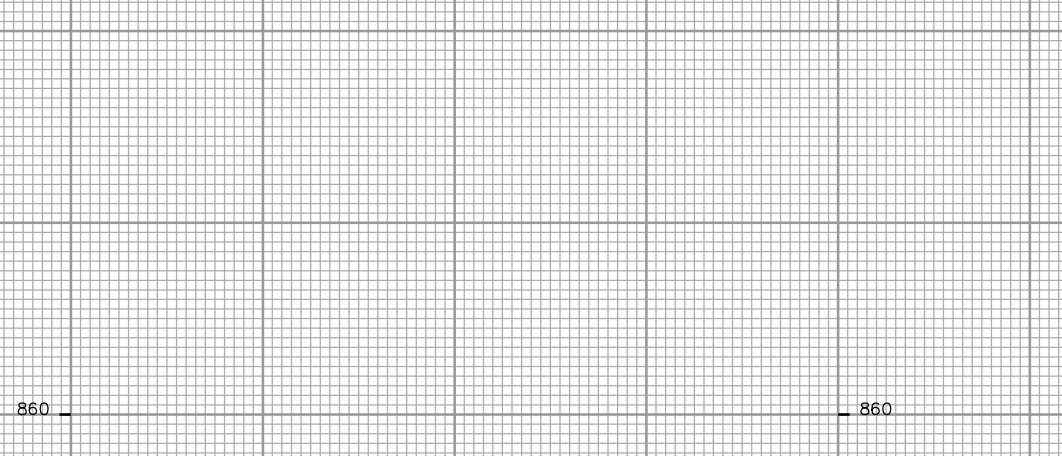
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PLOT NAME: \_\_\_\_\_

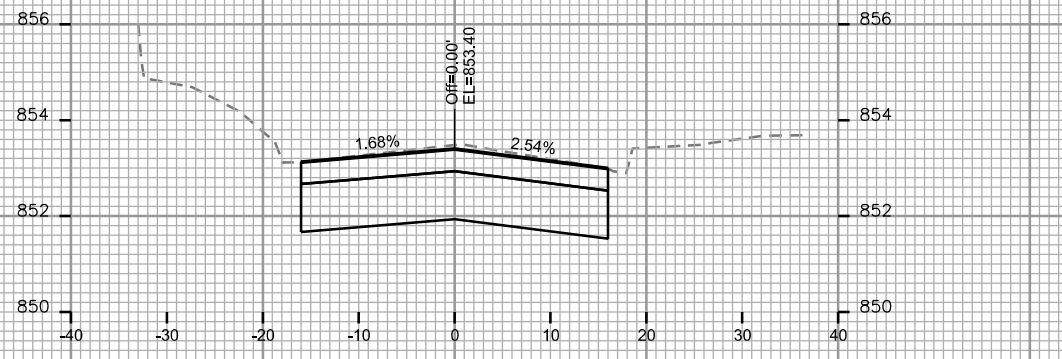
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

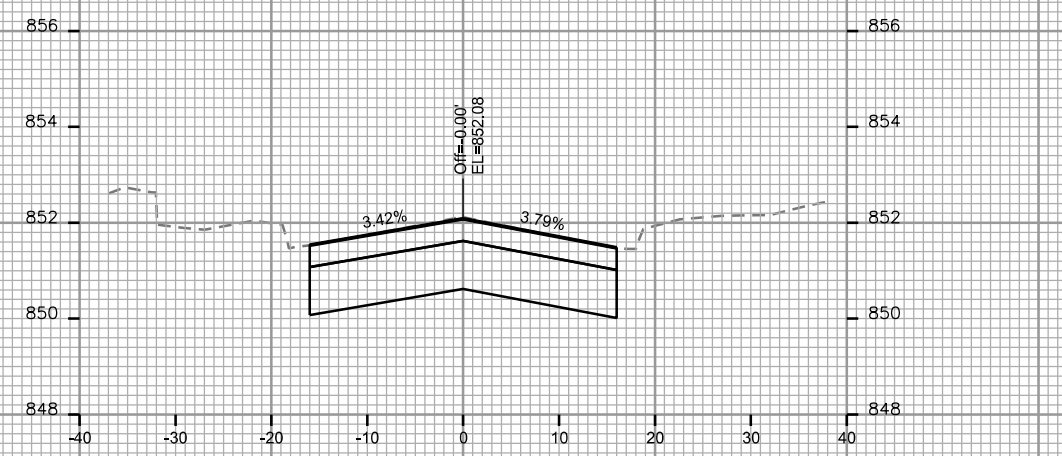




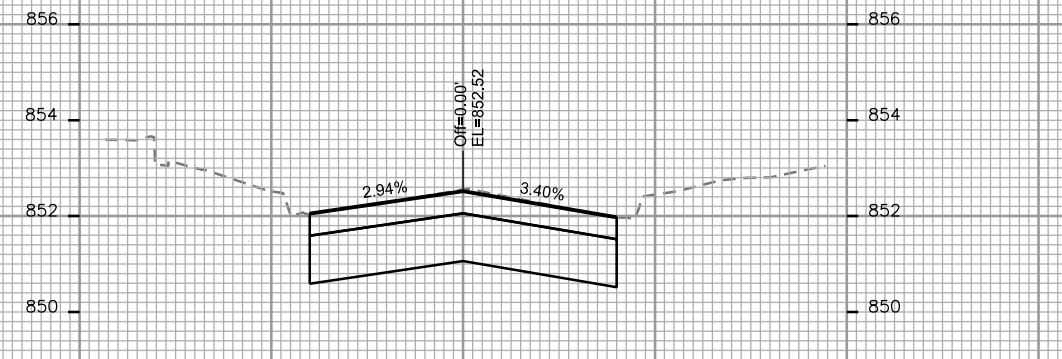
STA. 13+00



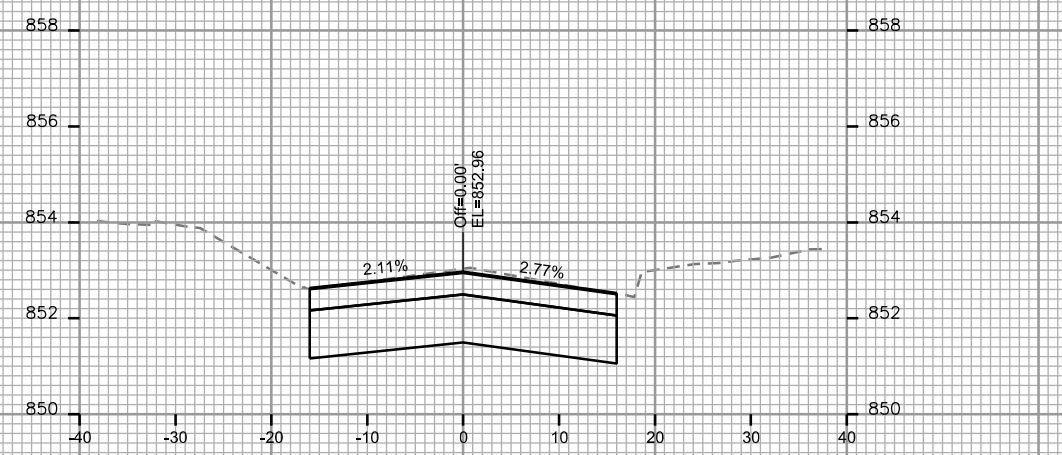
STA. 13+25



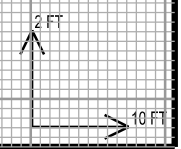
STA. 13+50



STA. 13+75



STA. 14+00



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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

BLAIR STREET

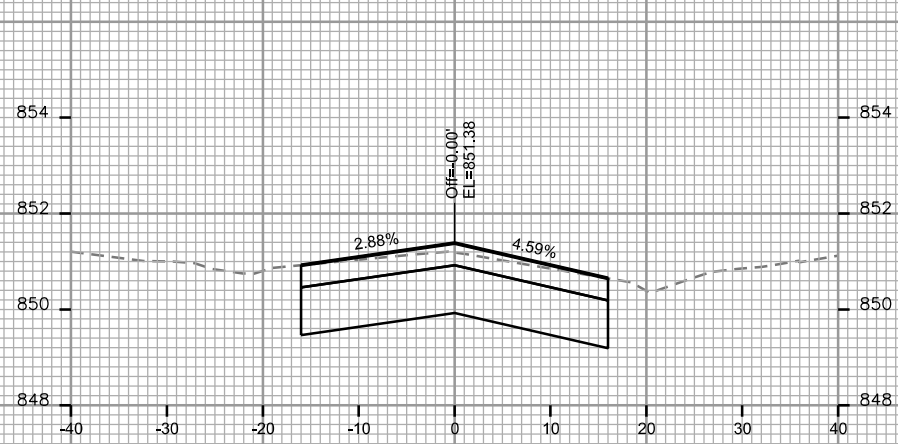
CITY OF MADISON

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

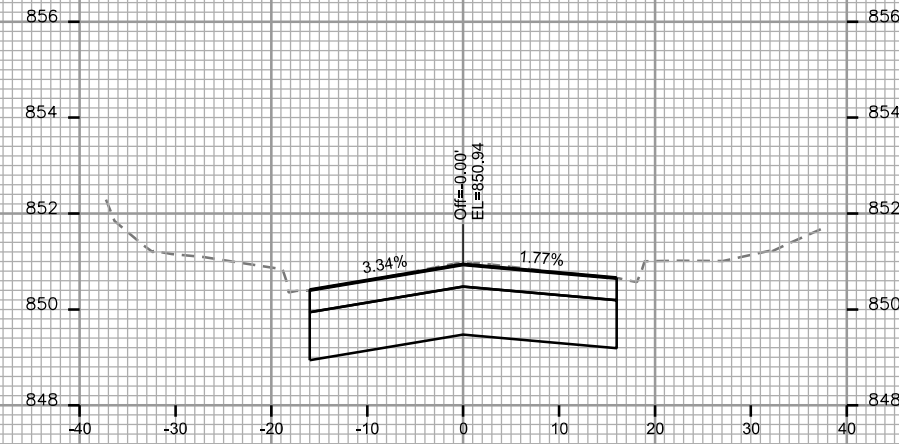
PLOT NAME: \_\_\_\_\_

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

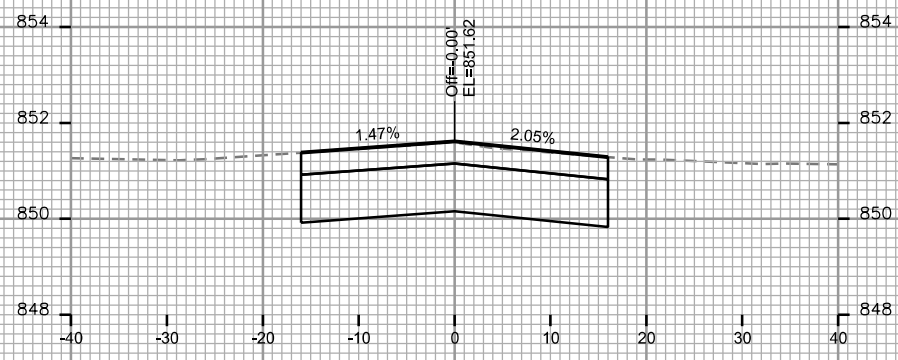
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



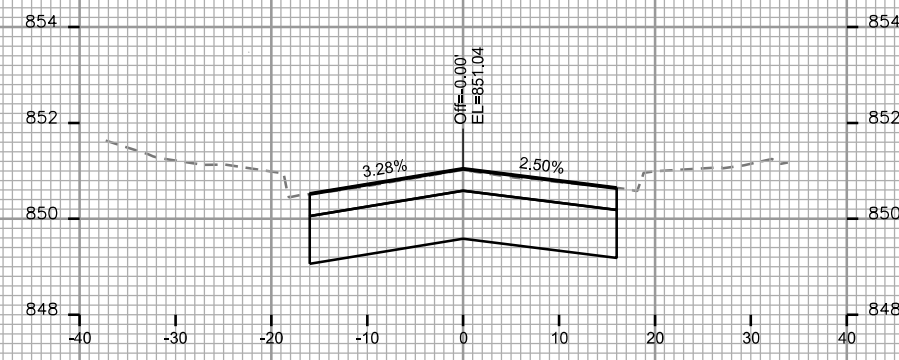
STA. 14+75



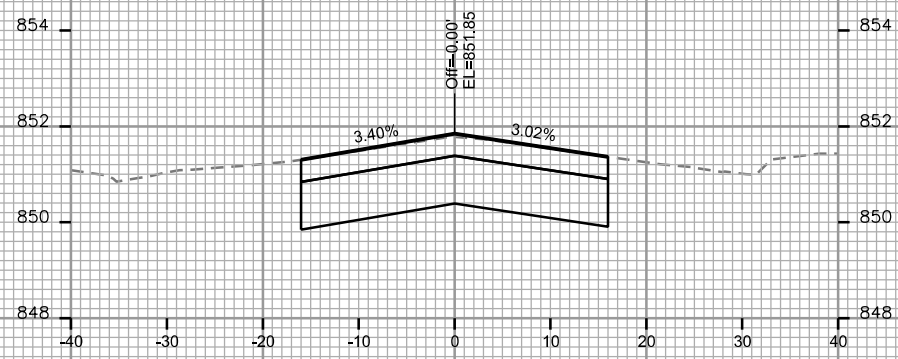
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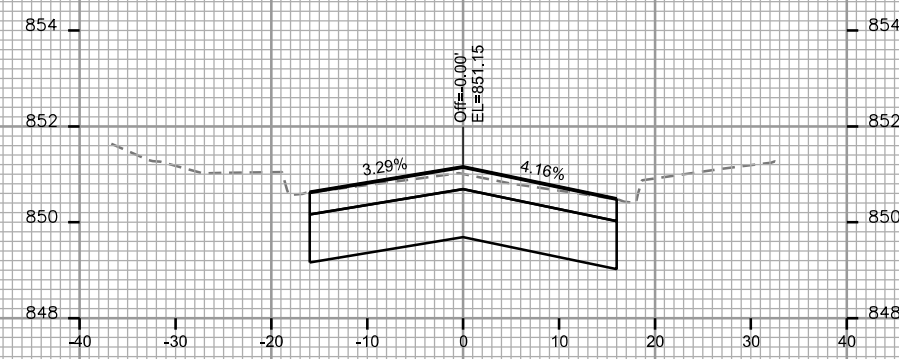
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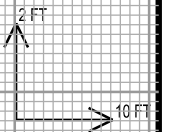
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STA. 14+25



STA. 15+00





CROSS SECTIONS

BLAIR STREET

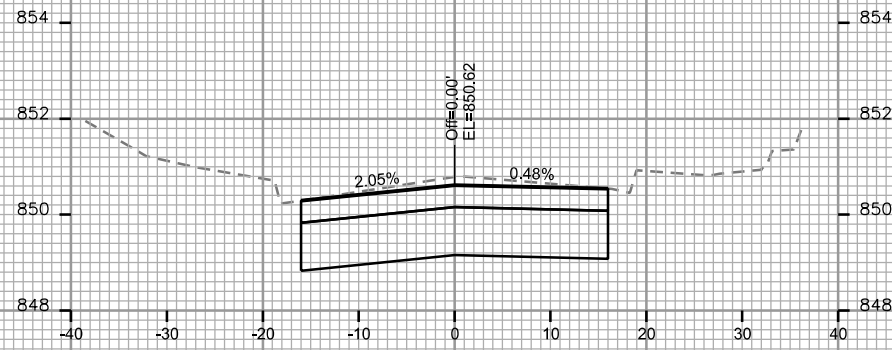
CITY OF MADISON

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

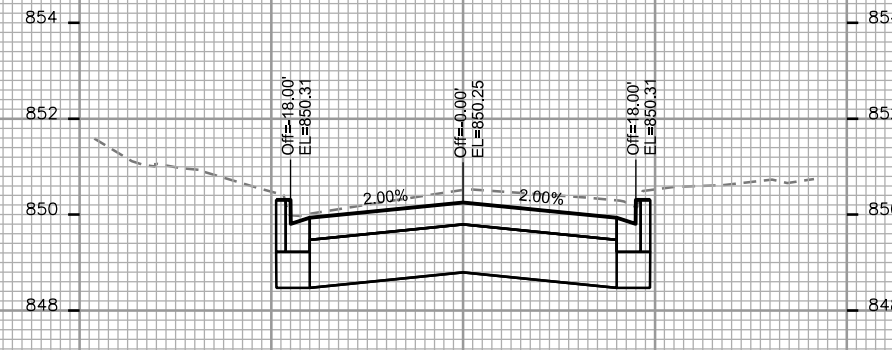
PLOT NAME: \_\_\_\_\_

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

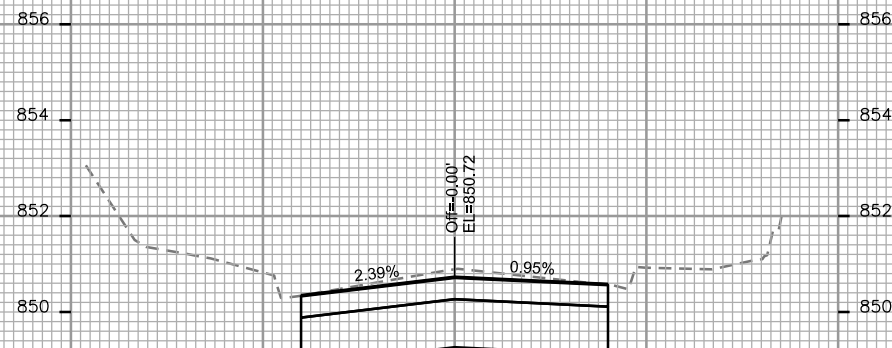
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



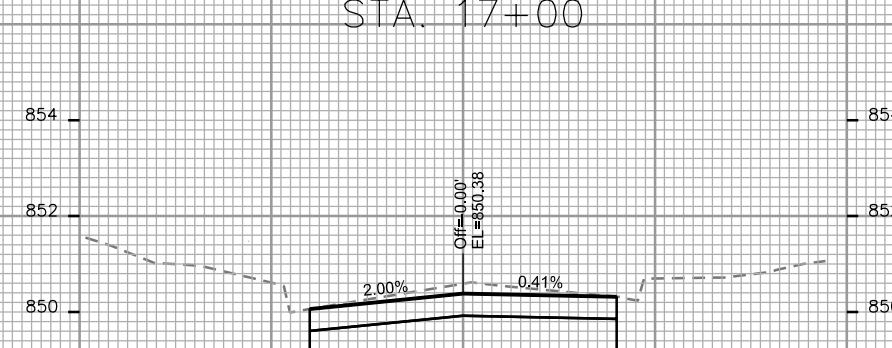
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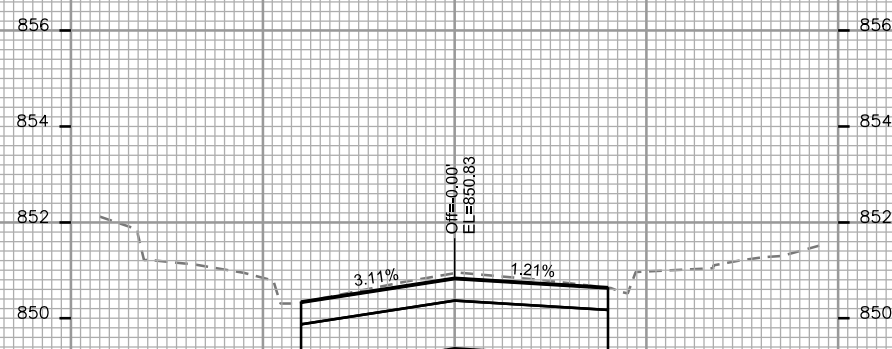
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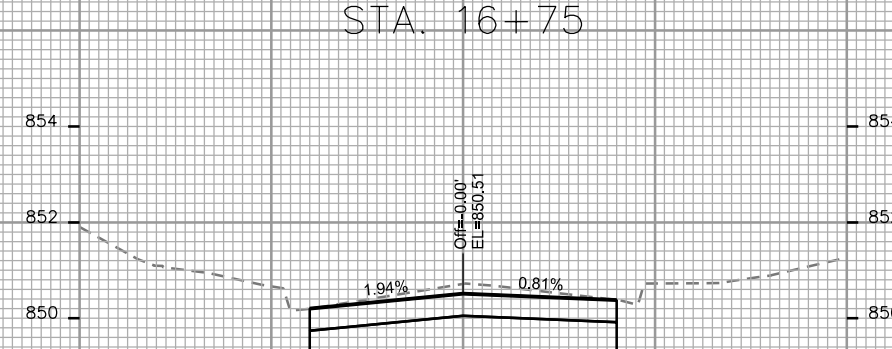
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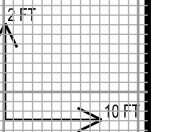
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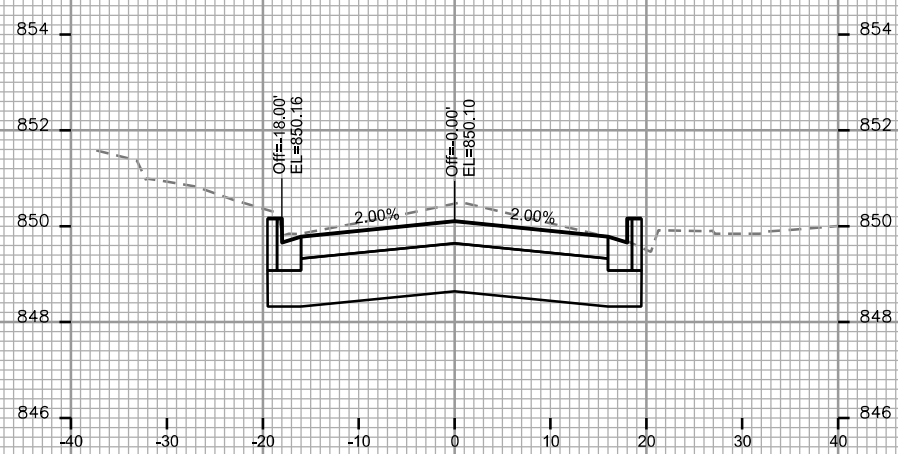


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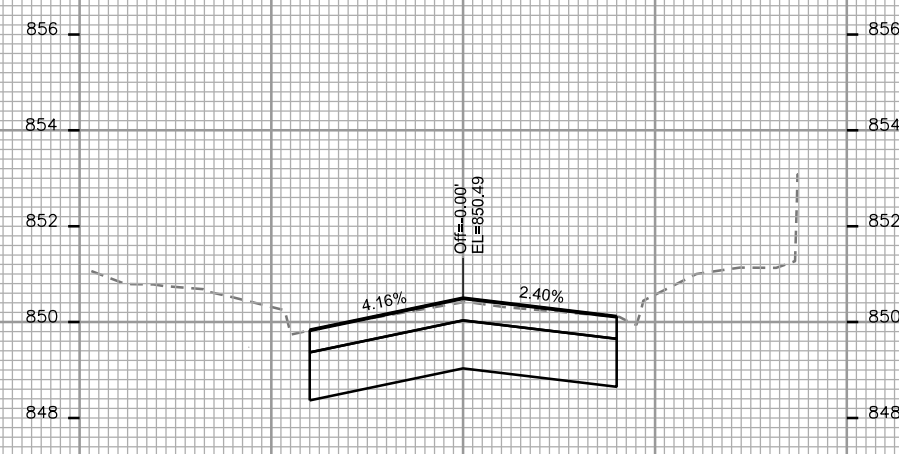




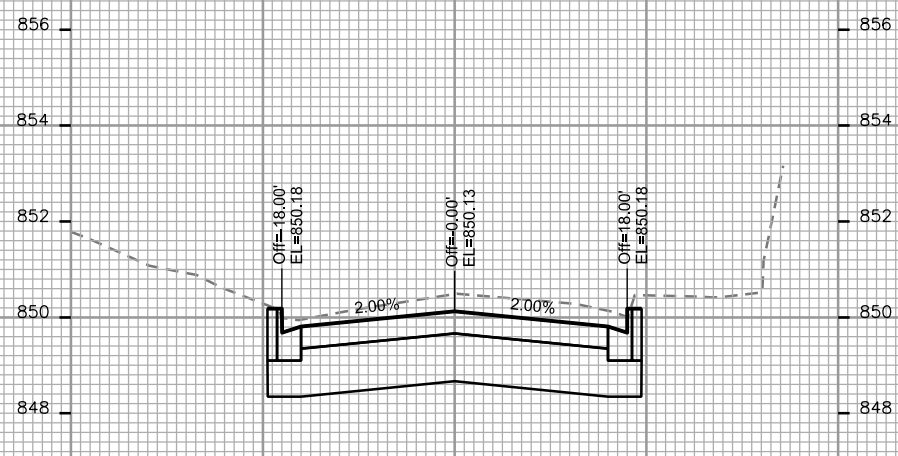
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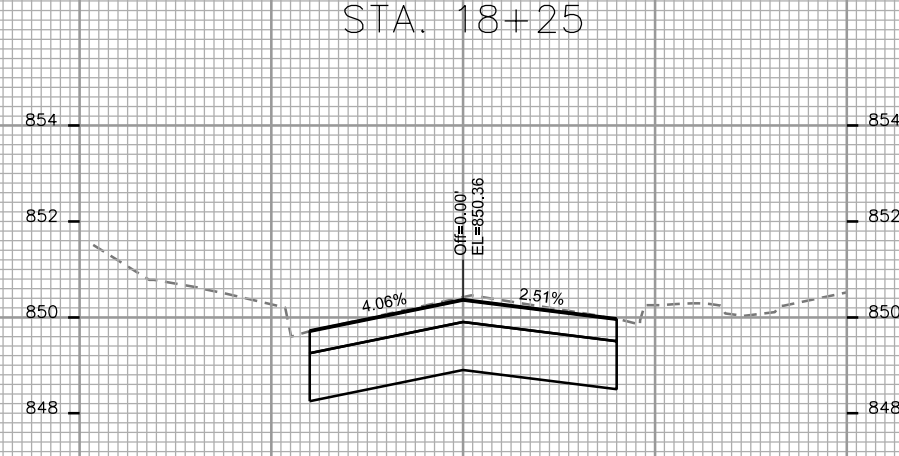
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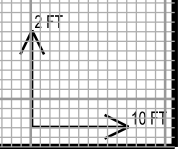
STA. 18+25



STA. 17+25



STA. 18+00



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

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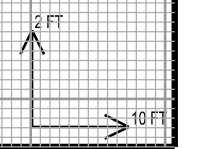
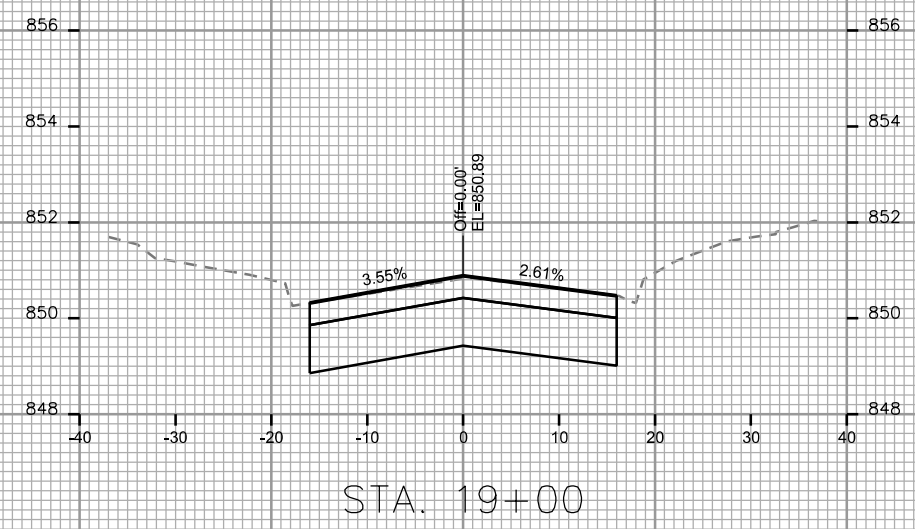
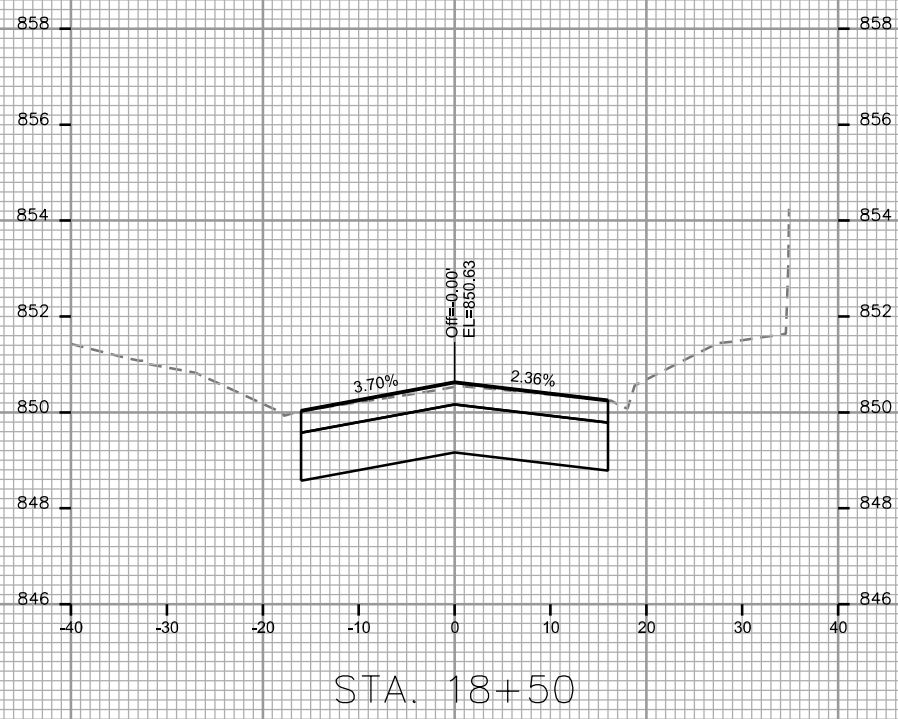
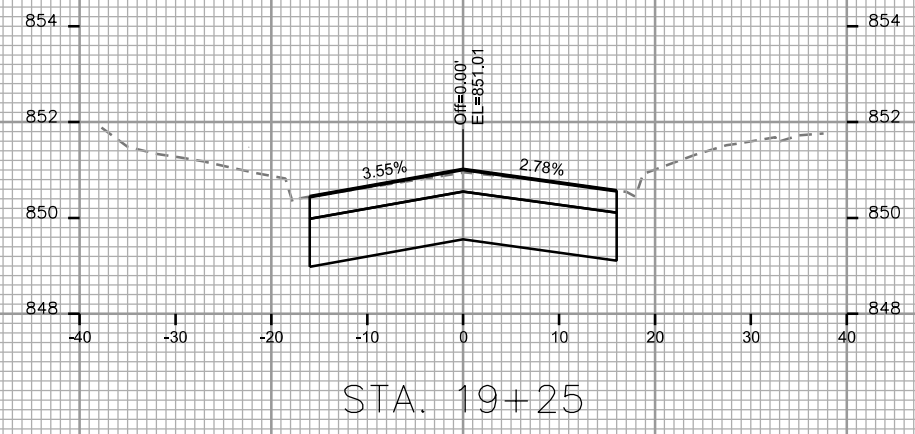
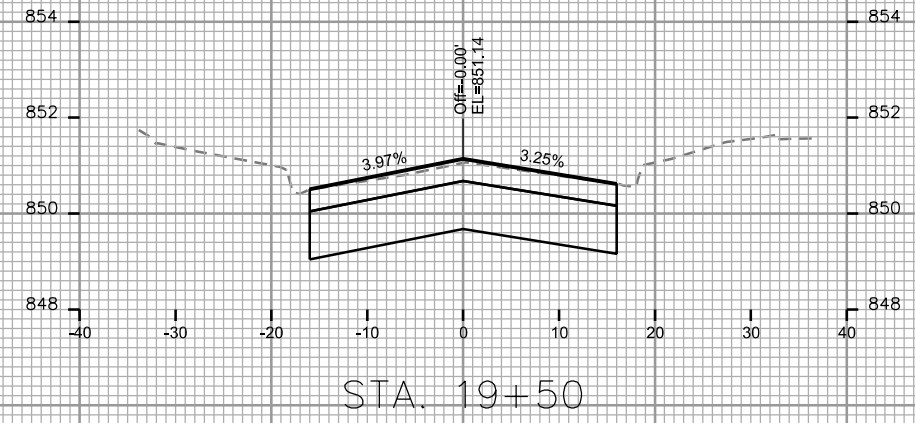
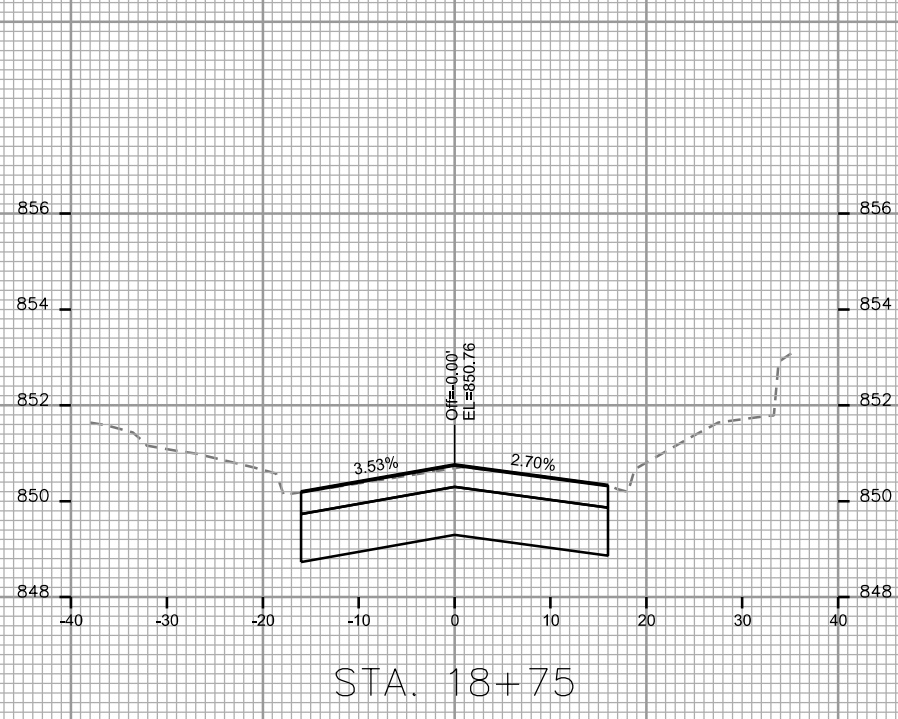
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

BLAIR STREET

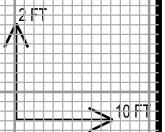
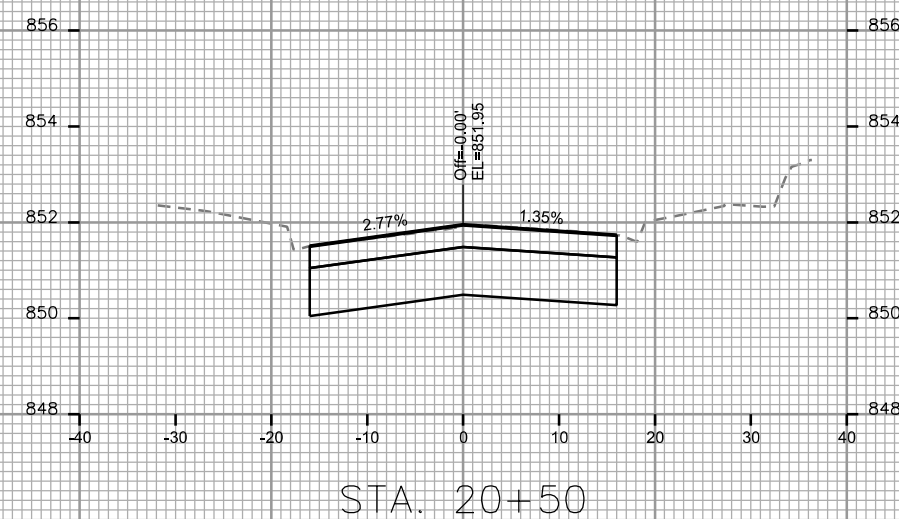
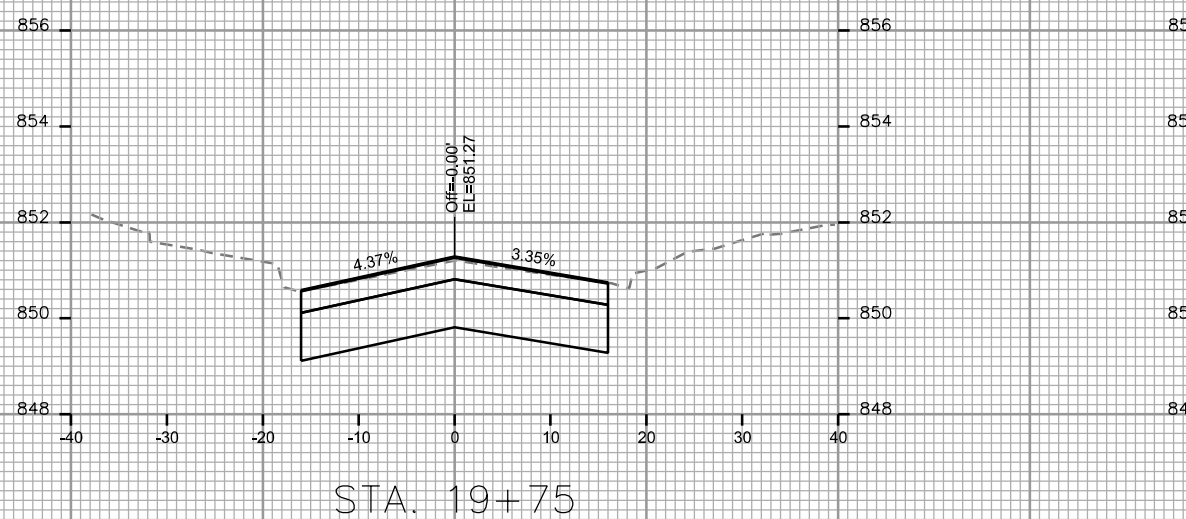
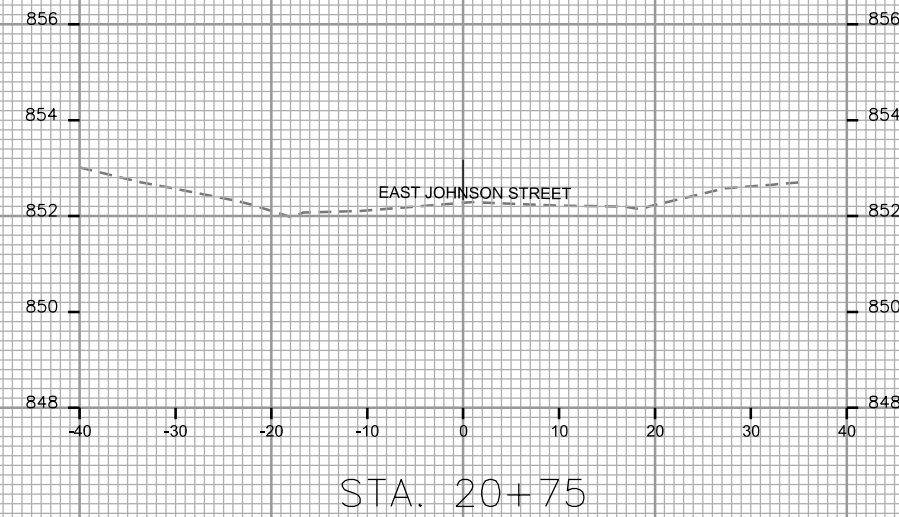
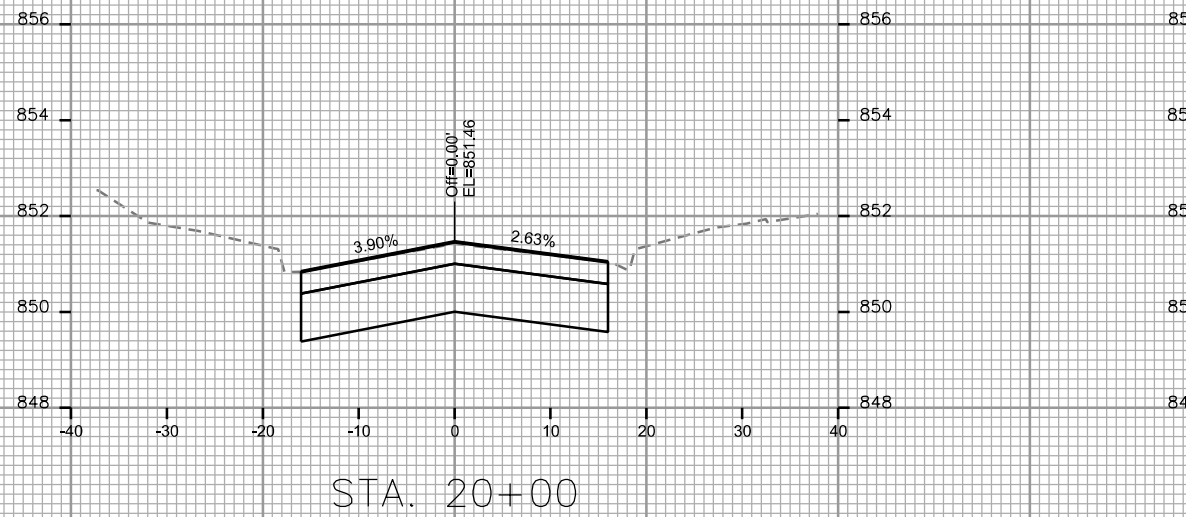
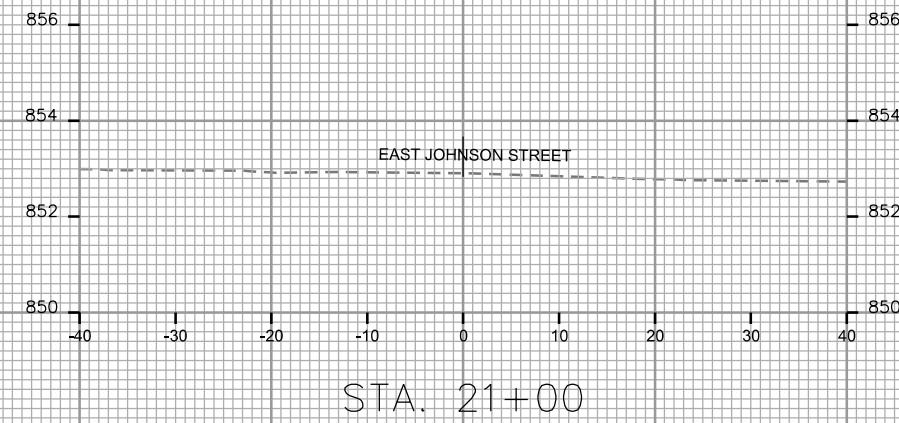
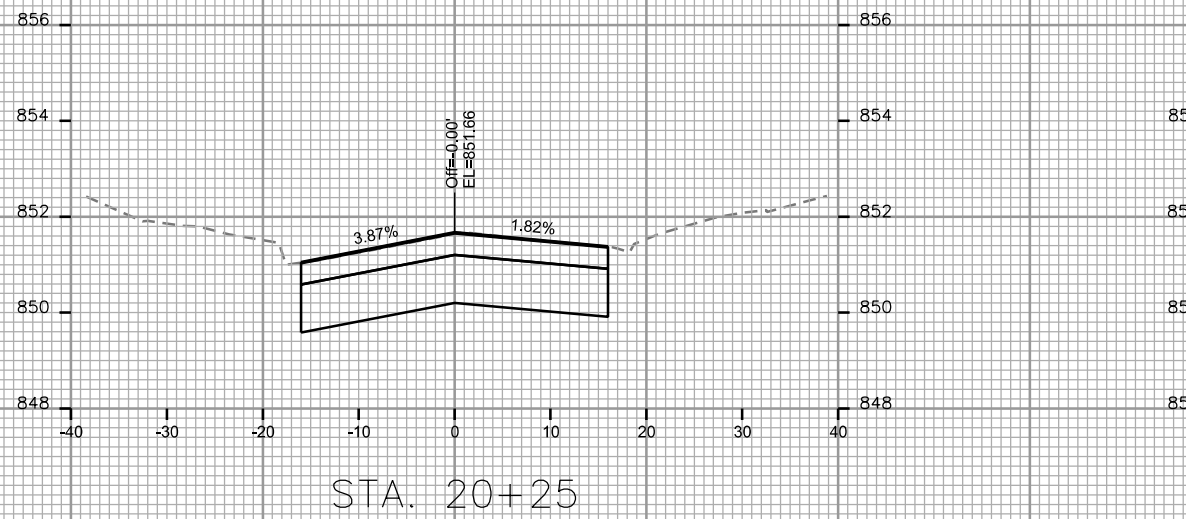
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

BLAIR STREET

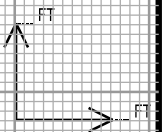
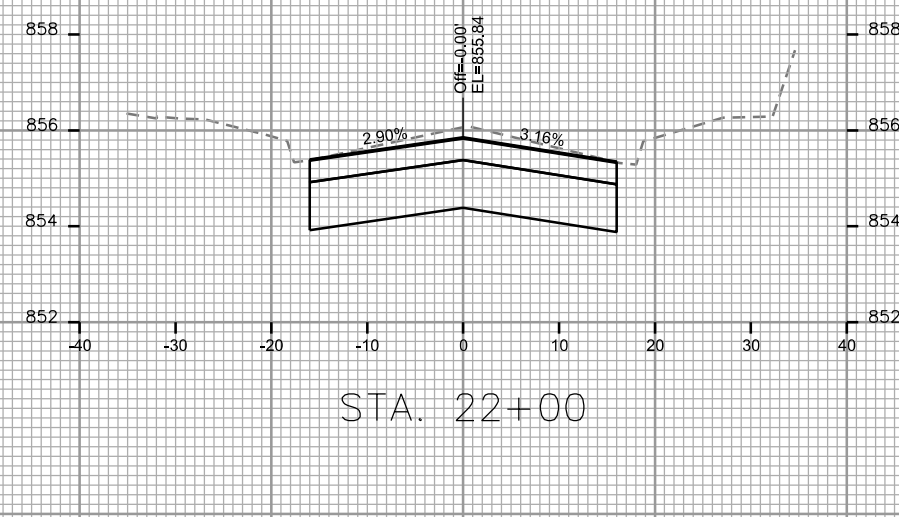
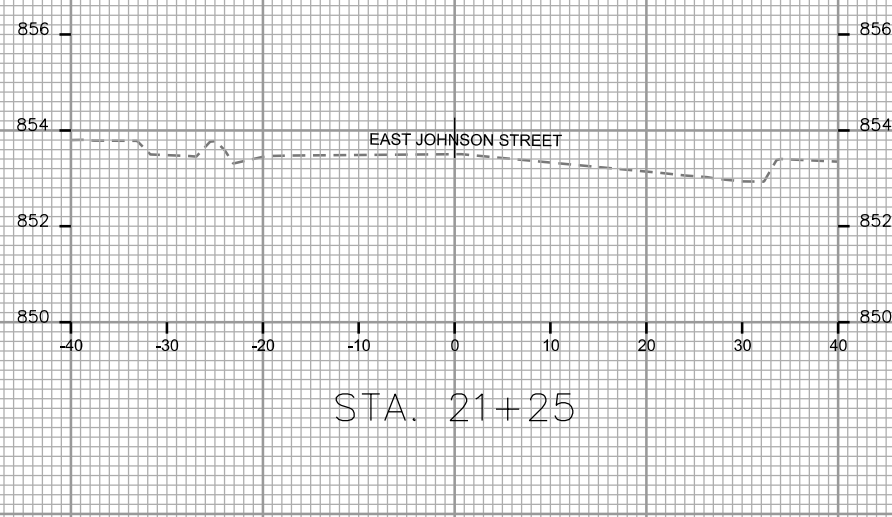
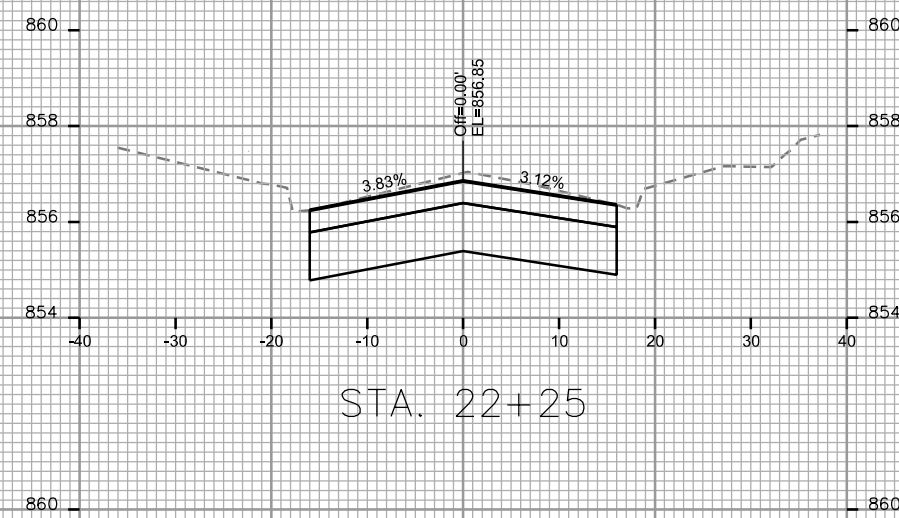
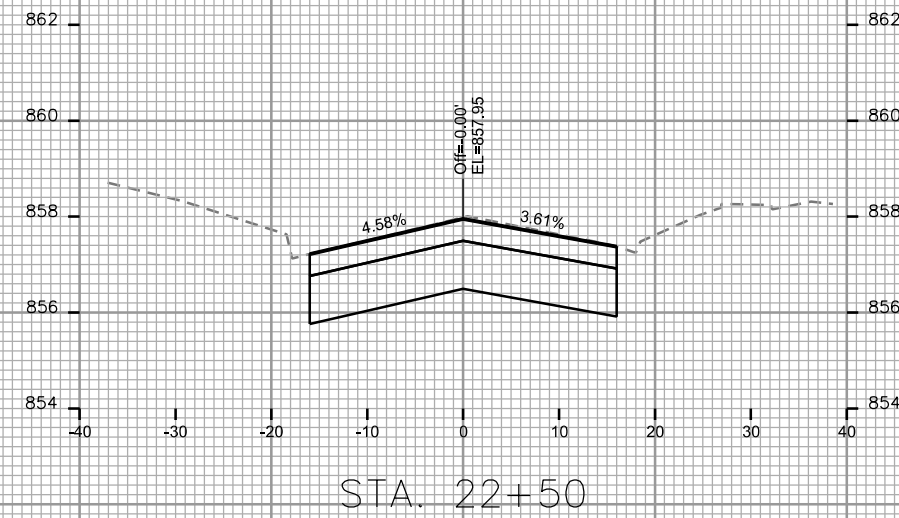
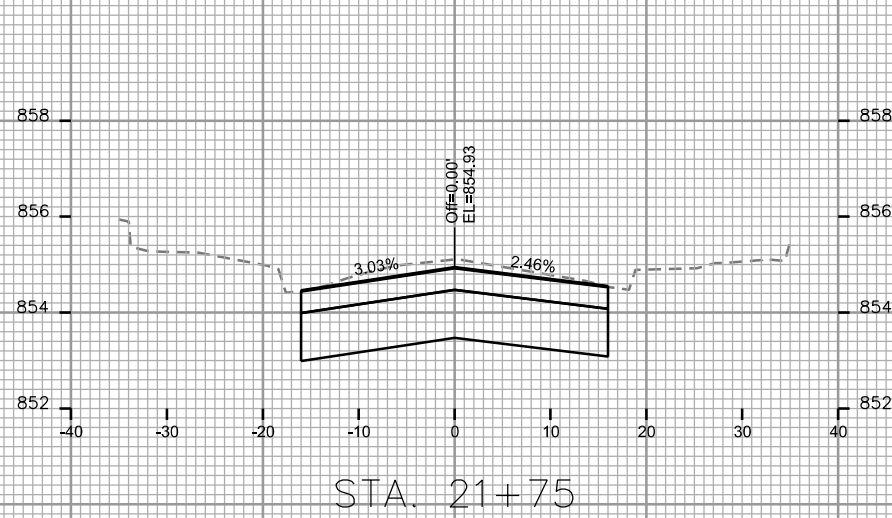
CITY OF MADISON

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CROSS SECTIONS

BLAIR STREET

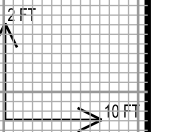
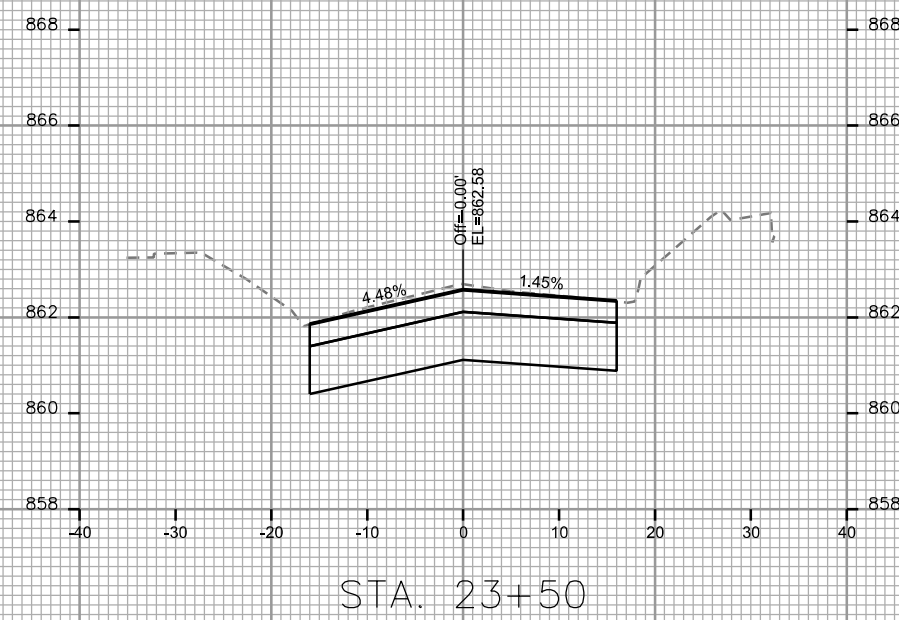
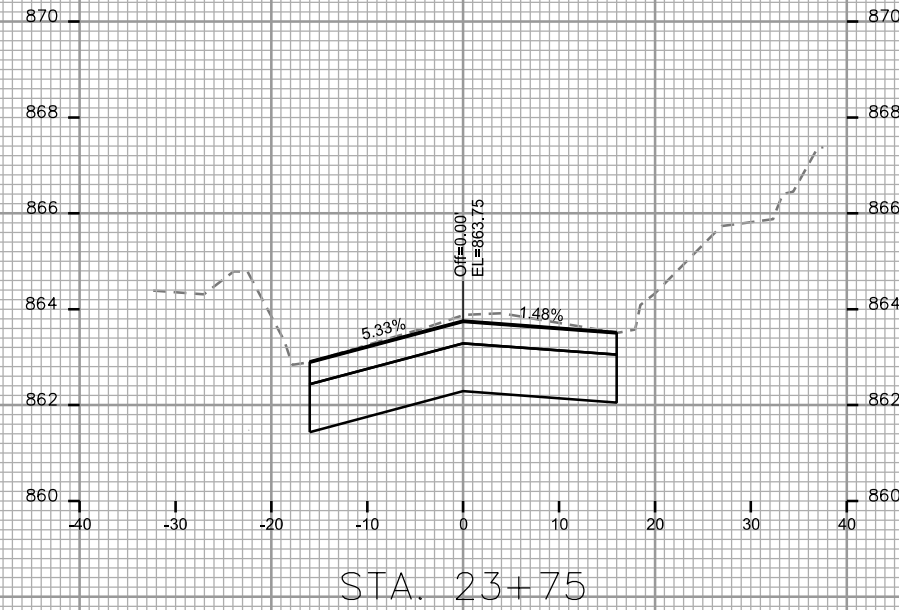
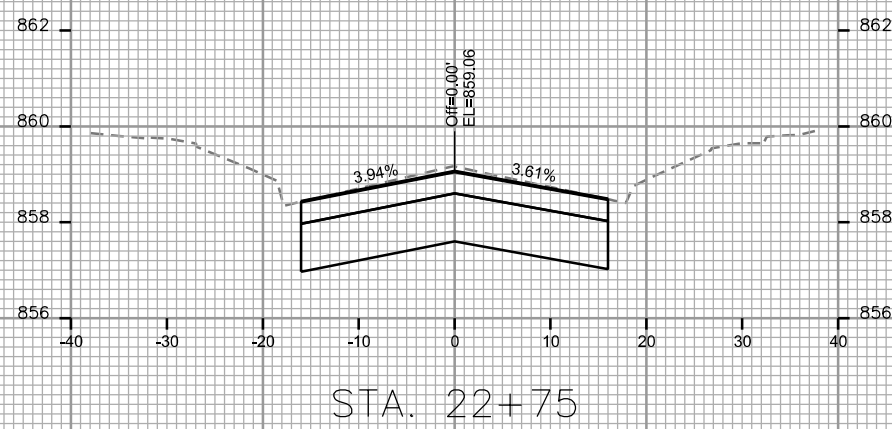
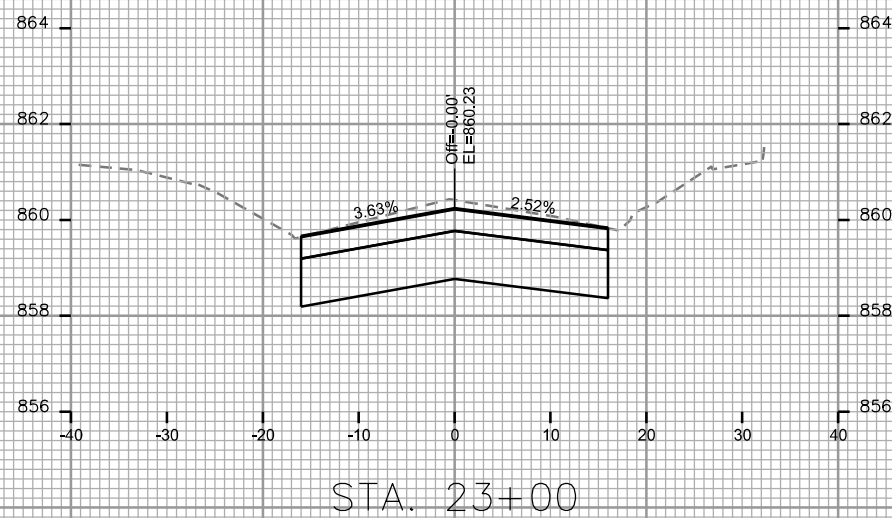
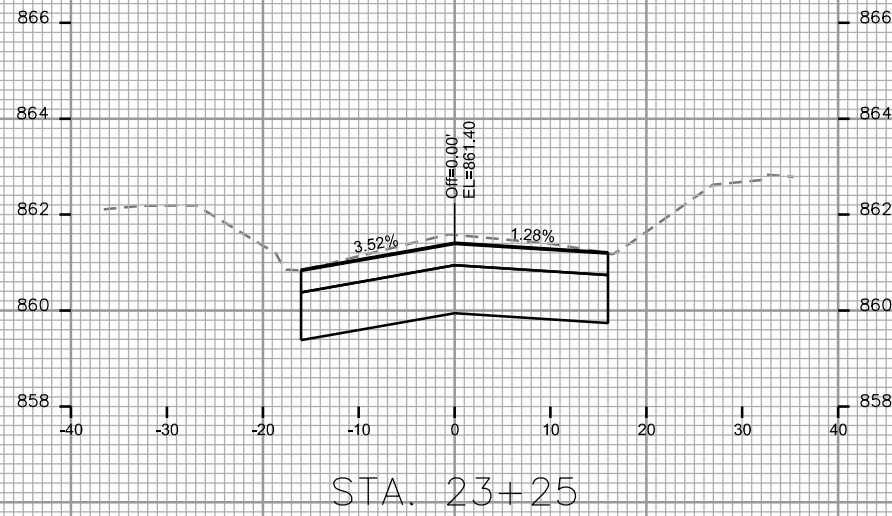
CITY OF MADISON

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

BLAIR STREET

CITY OF MADISON

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

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