

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

EAST & WEST MIFFLIN STREET, NORTH CARROLL STREET AND NORTH PINCKNEY STREET ASSESSMENT DISTRICT - 2016


CITY PROJECT NO. 10903
CONTRACT NO. 7623

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 19, 2016

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

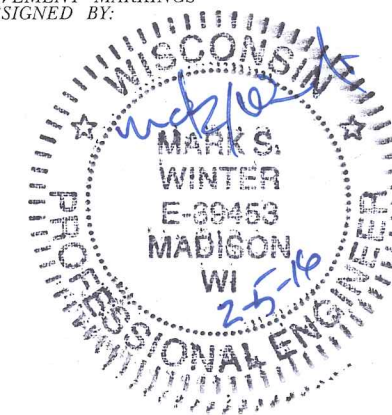
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:


City Engineer Date 2/0/16

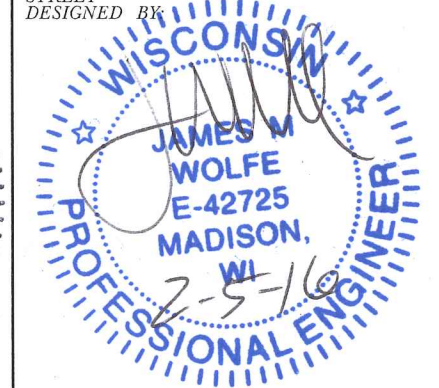
INDEX OF SHEETS

SHEET NO.	TITLE
1	NOTES & DETAILS
D1-D5	EROSION CONTROL PLANS
EC1-EC4	STREET PLAN & PROFILES
P1-P4	SEWERS PLAN & PROFILES
U1-U3	SEWER SCHEDULES
U4-U5	WATER PLAN & PROFILES
W1-W4	WATER IMPACT PLAN & MATERIALS
W5-W6	PAVEMENT MARKING PLAN
M1-M2	SIGNING PLAN
S1	ELECTRICAL PLAN
E1-E19	CROSS SECTIONS
X1-X7	

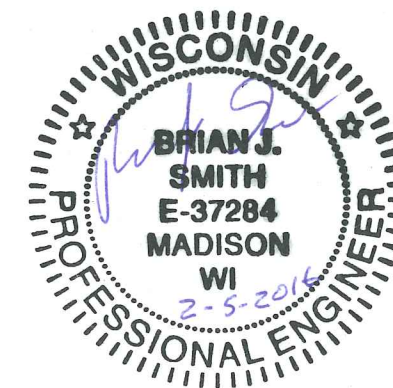
PAVEMENT MARKINGS
DESIGNED BY:



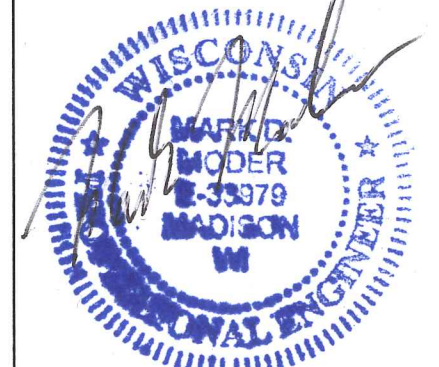
STREET
DESIGNED BY:



LIGHTING & SIGNALS
DESIGNED BY:



SANITARY SEWER
DESIGNED BY:



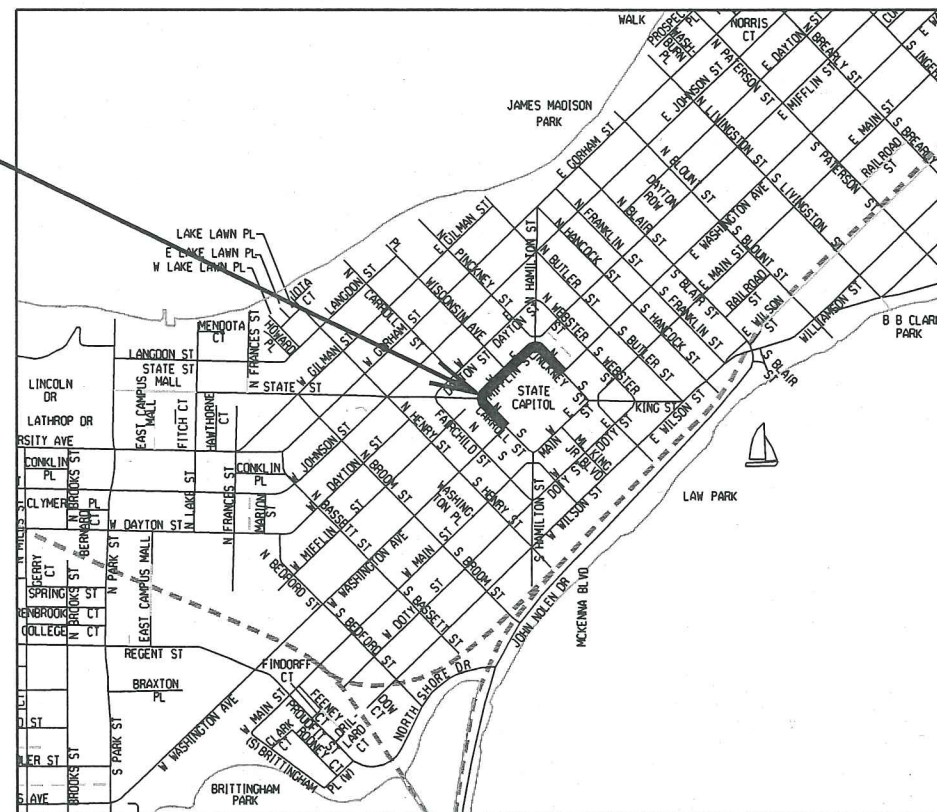
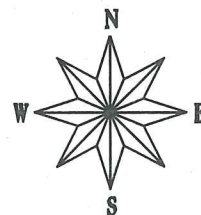
WATER MAIN
DESIGNED BY:



STORM SEWER
DESIGNED BY:



PROJECT
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□

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%

EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY).....4,950 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....560 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....5,510 C.Y.

PLOT SCALE:

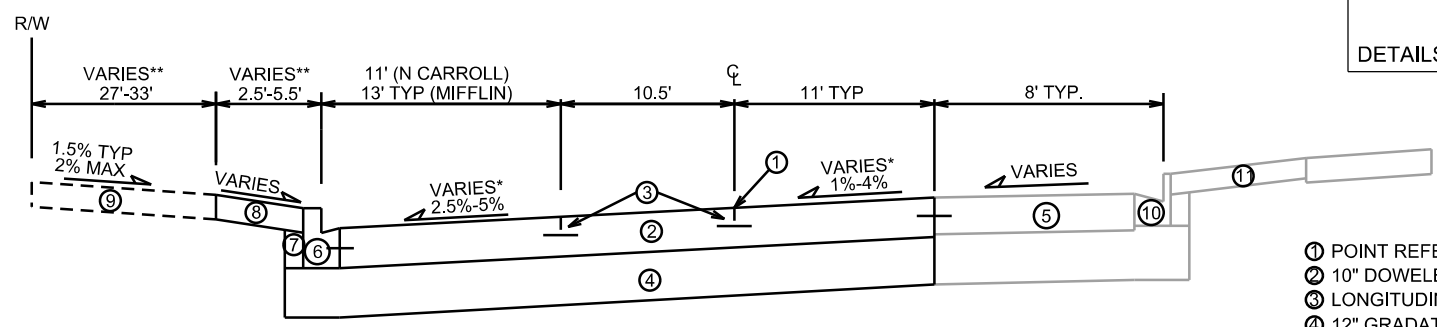
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

GENERAL NOTES

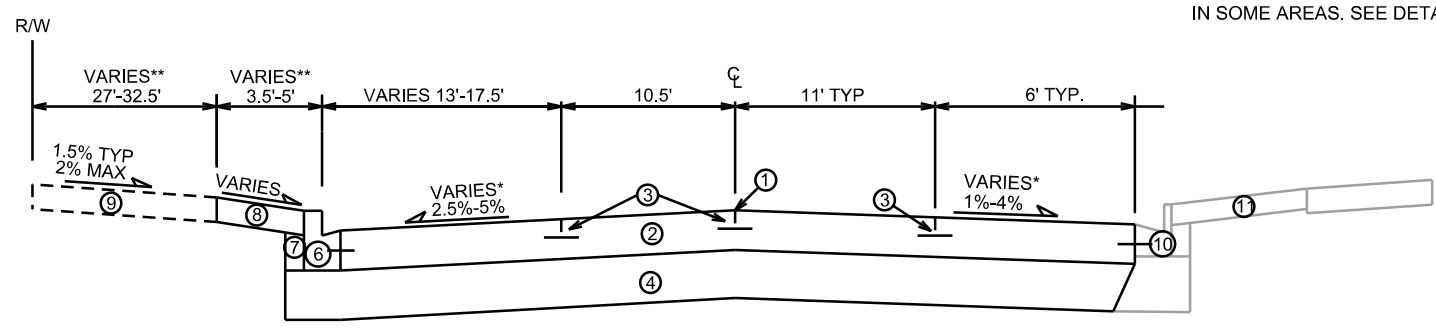
1. ALL SIDEWALK REPLACEMENT NECESSARY FOR UTILITY WORK IS NOT SHOWN DUE TO EXACT LOCATIONS OF SOME SERVICES BEING UNKNOWN. MINIMIZE SIDEWALK REMOVAL FOR UTILITY TRENCHES. REPLACE FULL SECTIONS TO MATCH EXISTING JOINTS WHERE NECESSARY OR AS DIRECTED BY THE ENGINEER.
2. APPROXIMATE CONCRETE PAVEMENT JOINT SPACING IS SHOWN. TRANSVERSE JOINTS TYPICALLY SPACED AT 15 FT. MATCH JOINTS OF EXISTING CONCRETE PAVEMENT TO REMAIN WHERE FEASIBLE. WHERE EXISTING PAVEMENT JOINTS ARE OFFSET, INSTALL BOND BREAKER FOR 3 FT. ON EITHER SIDE OF EXISTING JOINT WITHOUT TIE BARS. INSTALL BOND BREAKER AT ENDS OF PROJECT THAT MATCH TO CONCRETE PAVEMENT. BOND BREAKER IS INCIDENTAL TO PAVEMENT.
3. ALL TIE AND DOWEL BARS NECESSARY TO CONSTRUCT THE CONCRETE PAVEMENT PER THE PLANS AND SPECS SHALL BE CONSIDERED INCIDENTAL TO THE CONCRETE PAVEMENT. THIS INCLUDES TIE BARS TO EXISTING CONCRETE PAVEMENT OR EXISTING CURB AND GUTTER AND TO ANY NEW CURB AND GUTTER. PLACE BARS PER S.D.D. 3.10 & 3.11.
4. ALL BUS SHELTERS WITHIN THE LIMITS OF THE PROJECT ARE TO REMAIN. EACH SHELTER HAS AN ELECTRICAL FEED AS WELL AS IRRIGATION CONTROL AND/OR HYDRANTS LOCATED WITHIN THE BENCH ADJACENT TO THE EXTERIOR OF THE BUS SHELTER. THE BUS SHELTER IS SUPPORTED BY AND BOLTED TO A REINFORCED CONCRETE SLAB, WHICH SHALL NOT BE DISTURBED. WORK AROUND BUS SHELTERS MAY INCLUDE ADDITIONAL SAW CUTS, WHICH SHALL BE CONSIDERED INCIDENTAL TO THE WORK BEING PERFORMED.
5. REMOVE & RE-INSTALL CAULKING/JOINT-FILLER MATERIAL AROUND THE BASE OF THE GRANITE PLANTER CURB AS DIRECTED BY THE ENGINEER. WHEN CONCRETE SIDEWALK IS REPLACED ADJACENT TO PLANTER, JOINT FILLER & CAULKING SHALL BE CONSIDERED INCIDENTAL TO CONCRETE WORK.
6. SOME C1 CONCRETE SIDEWALK JOINTS HAVE WIDENED OR HAVE FAILED TO SOME DEGREE. AS OPPOSED TO DOING FULL-SLAB REPLACEMENT OF THE C1 CONCRETE IN ALL OF THESE LOCATIONS, THE JOINTS SHALL BE REPAIRED BY USE OF C1 CONCRETE JOINT FILLER AS DIRECTED BY THE ENGINEER.
7. REMOVE & RESET EXISTING TREE GRATES ONLY AS NECESSARY FOR SEWER LATERAL & WATER SERVICE WORK OR WHERE INDICATED ON THE PLANS.
8. CONCRETE SIDEWALK REPLACEMENT AROUND EXISTING TREE GRATES OR STORM SEWER TRENCH DRAINS IS EXPECTED TO BE COMPLETED WITHOUT REMOVING, REPLACING OR DAMAGING THE TREE GRATE OR TRENCH DRAIN.
9. THERE ARE SOME BRICK PAVERS ADJACENT TO THE STREET SIDE OF SOME OF THE PLANTERS ON N. PINCKNEY ST. REMOVE THE BRICK PAVERS (PAY AS REMOVE CONC SIDEWALK) AND REPLACE WITH 7" CONCRETE SIDEWALK.
10. THERE ARE EXISTING BUILDING VAULTS THAT EXTEND INTO THE RIGHT-OF-WAY UNDER THE SIDEWALK. KNOWN VAULT LOCATIONS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE CARE WHEN WORKING ADJACENT TO THE VAULTS TO NOT DAMAGE THE EXISTING VAULT STRUCTURE OR WATERPROOFING MATERIAL. ANY DAMAGE CAUSED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
11. DUE TO THE NATURE OF THE LANDSCAPING AND TREE PLANTINGS IN THE PROJECT AREA, NOT ALL TREES MAY BE PRUNED TO THE TYPICAL STREET CLEARANCE HEIGHT. IT IS EXPECTED THAT THE CONTRACTOR TAKE CARE TO WORK AROUND ALL EXISTING TREES THAT ARE TO REMAIN. ALL WORK AROUND TREES SHALL BE IN ACCORDANCE WITH SECTION 107.13 OF THE STANDARD SPECIFICATIONS.
12. CONTRACTOR SHALL TAKE CARE TO WORK AROUND THE EXISTING IRRIGATION SYSTEM AND/OR REPLACE PORTIONS OF THE SYSTEM AS NECESSARY. ANY REPLACEMENT OF THE SYSTEM OR MEASURES USED TO PROTECT THE SYSTEM WILL BE PAID UNDER ITEM 90003 MAINTENANCE OF IRRIGATION SYSTEM. ANY RELOCATION OR REPLACEMENT OF IRRIGATION SYSTEM TO ACCOMMODATE PLANTER MODIFICATIONS SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
13. AT INLET LOCATIONS, MODIFY TYPE 'H' CURB AND GUTTER AS NECESSARY TO MATCH INLET CASTING. PLACE INTEGRAL CURB AND PAVEMENT TO MATCH INTO EXISTING INLET CASTINGS TO MATCH EXISTING CONDITION. CURB MODIFICATIONS AT INLETS SHALL BE CONSIDERED INCIDENTAL TO CURB CONSTRUCTION. CURB TRANSITIONS TO MATCH EXISTING SHALL BE PAID AS THE TYPE OF CURB BEING INSTALLED (TYPE 'H' OR INTEGRAL).
14. APPROXIMATE LOCATION OF IRRIGATION SYSTEM IS SHOWN. ACTUAL LOCATION MAY VARY FROM PLAN, ESPECIALLY THE SPRINKLER SYSTEM WITHIN EACH PLANTER.



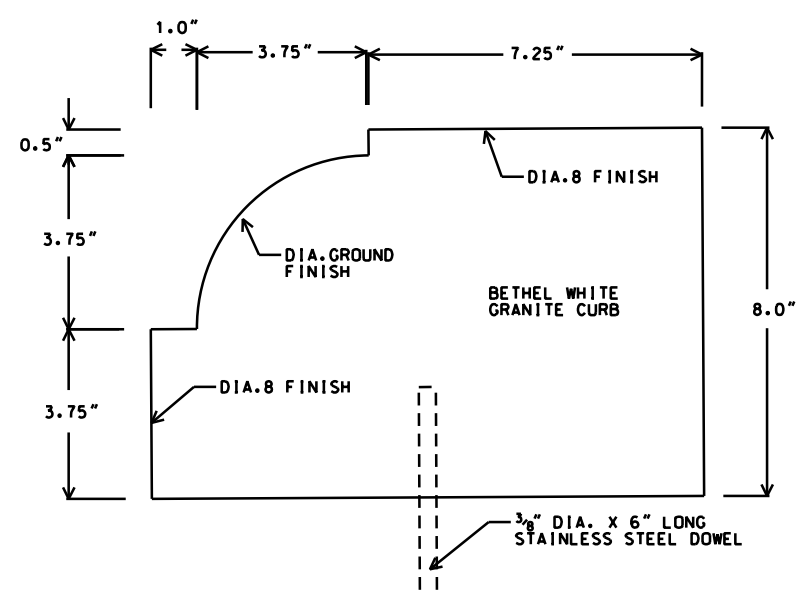
TYPICAL FINISHED SECTION
CAPITOL SQUARE (STA 11+10 TO STA 21+65)
N. CARROLL ST. & MIFFLIN ST.
NOT TO SCALE

- ① POINT REFERRED TO ON PROFILE
- ② 10" DOWELED CONCRETE PAVEMENT
- ③ LONGITUDINAL SAWED, FORMED OR CONSTRUCTION JOINT
- ④ 12" GRADATION NO. 2 CRUSHED AGGREGATE BASE
- ⑤ EXISTING CONCRETE PAVEMENT TO REMAIN
- ⑥ MODIFIED TYPE 'H' CONC CURB & GUTTER (SEE DETAIL)
- ⑦ FILL, INCIDENTAL
- ⑧ 7" CONCRETE SIDEWALK
- ⑨ C1 CONCRETE SIDEWALK 7-INCH
- ⑩ EXISTING CONC CURB & GUTTER TO REMAIN
- ⑪ EXISTING CONC OR BRICK PAVER TERRACE TO REMAIN

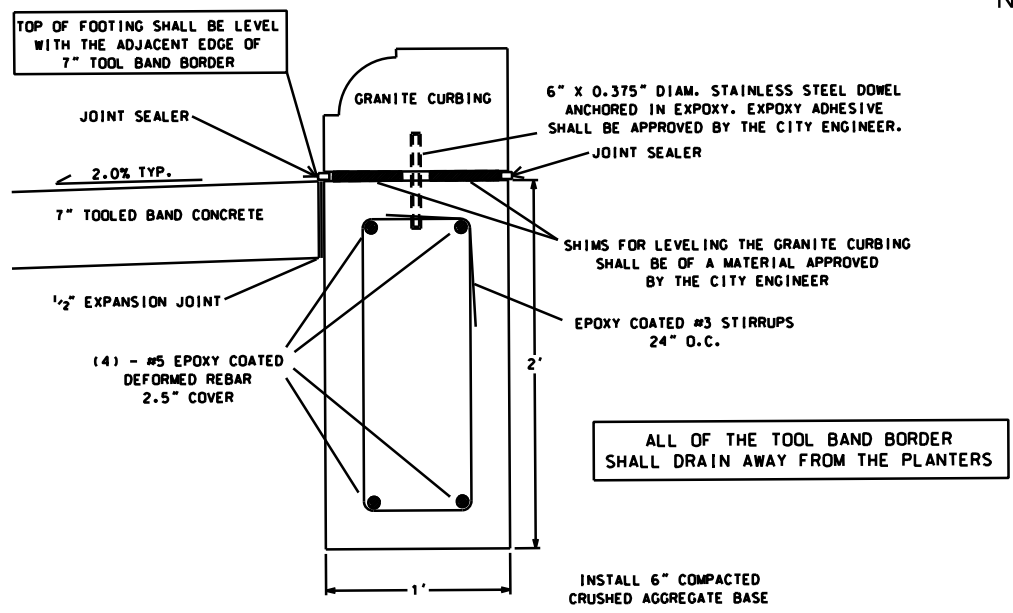
* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.
** GRANITE CURBED PLANTERS ARE LOCATED IN SOME AREAS. SEE DETAIL THIS SHEET.



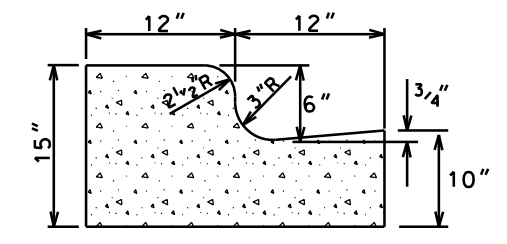
TYPICAL FINISHED SECTION
CAPITOL SQUARE (STA 21+65 TO STA 26+20)
N. PINCKNEY ST.
NOT TO SCALE



GRANITE CURB CROSS SECTION



GRANITE CURB FOUNDATION

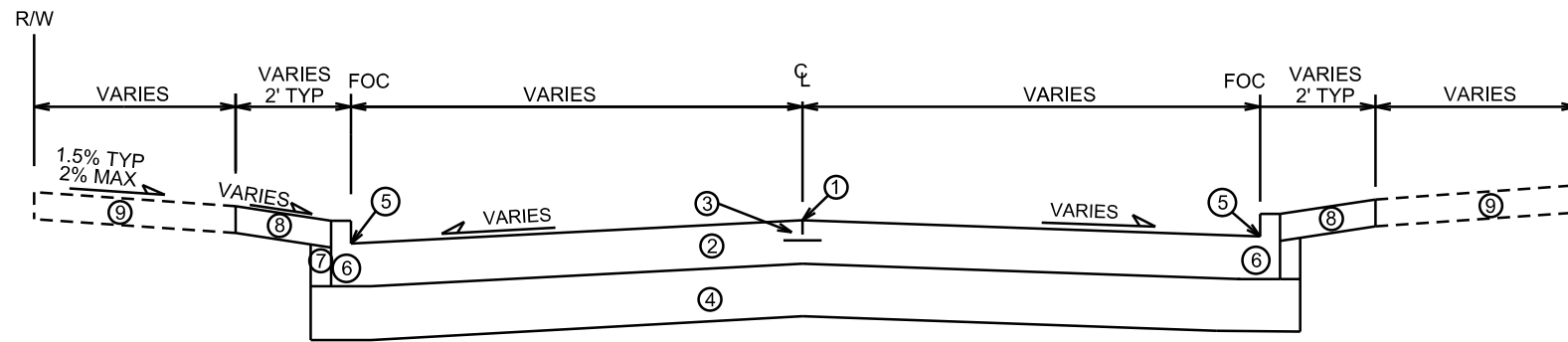


MODIFIED TYPE 'H' CONCRETE CURB & GUTTER DETAIL
PAY AS TYPE 'H' CURB & GUTTER
NOT TO SCALE

NOTE: AT INLET LOCATIONS, CONSTRUCT CURB PER S.D.D. 5.7.27 INCIDENTAL TO CURB INSTALLATION

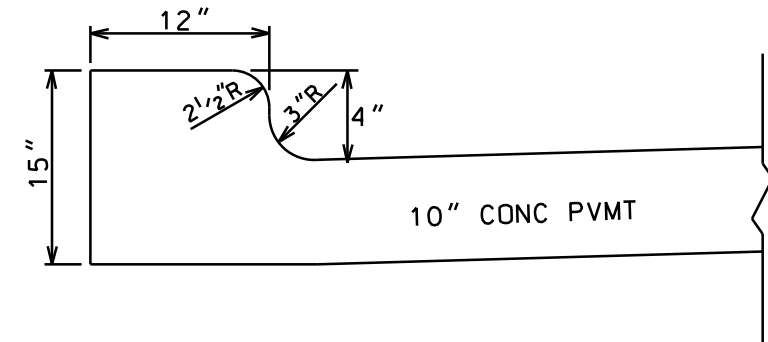
PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



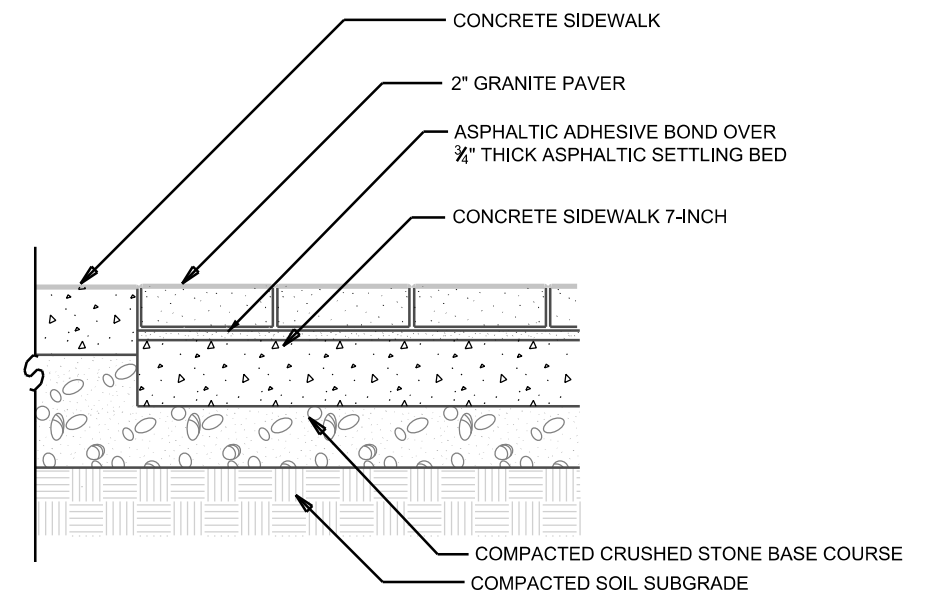
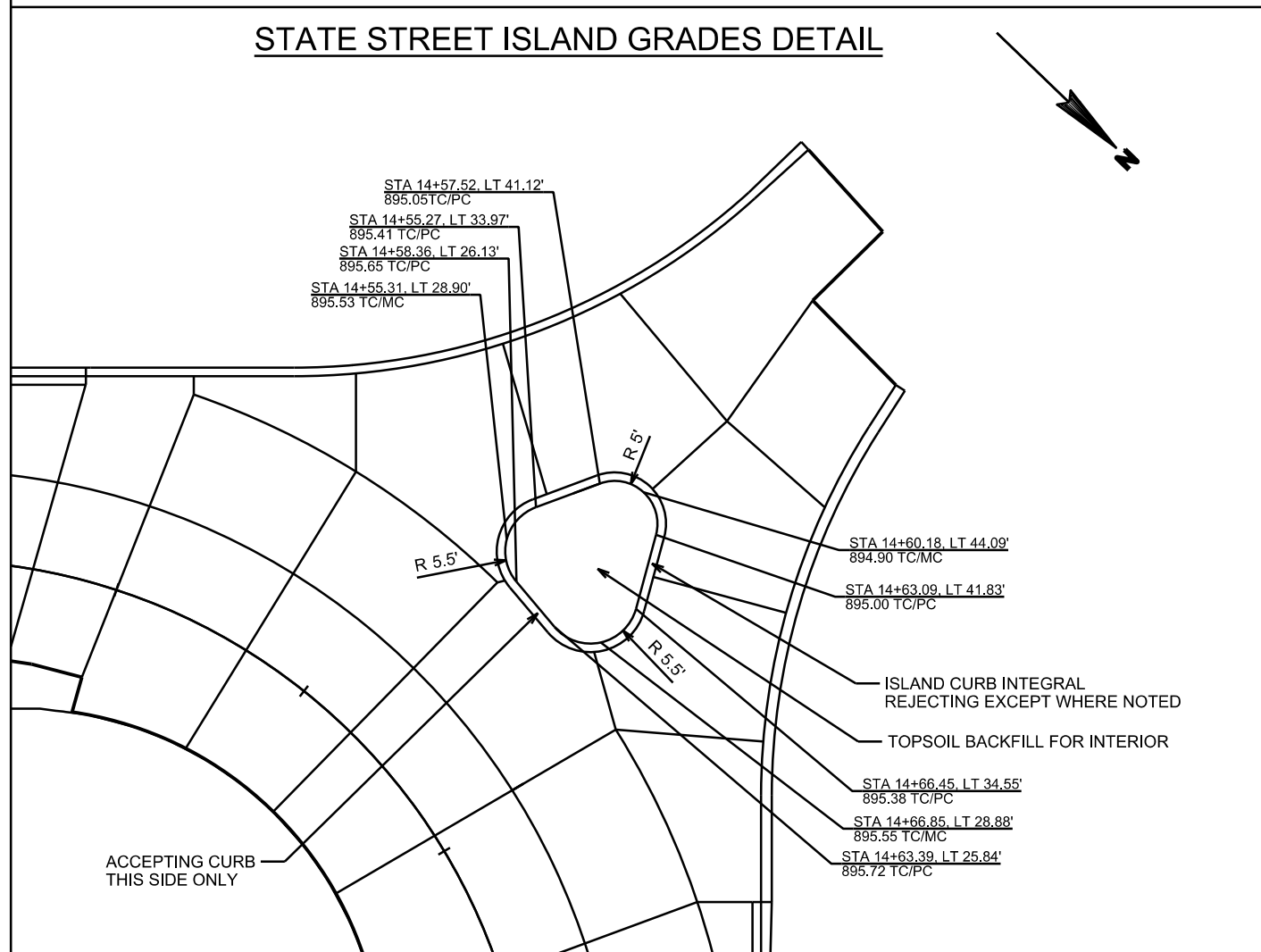
**TYPICAL FINISHED SECTION
INTEGRAL CONCRETE PAVEMENT & CURB
NOT TO SCALE**

- ① POINT REFERRED TO ON PROFILE
- ② 10" DOWELED CONCRETE PAVEMENT
- ③ LONGITUDINAL SAWED, FORMED OR CONSTRUCTION JOINT
- ④ 12" GRADATION NO. 2 CRUSHED AGGREGATE BASE
- ⑤ FLOWLINE, PAY LIMIT FOR CONCRETE PAVEMENT
- ⑥ INTEGRAL CURB (SEE DETAIL, THIS SHEET)
- ⑦ FILL, INCIDENTAL
- ⑧ 7" CONCRETE SIDEWALK OR GRANITE PAVERS (SEE PLAN)
- ⑨ C1 CONCRETE SIDEWALK 7-INCH



INTEGRAL CURB DETAIL

STATE STREET ISLAND GRADES DETAIL



GRANITE PAVER DETAIL

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

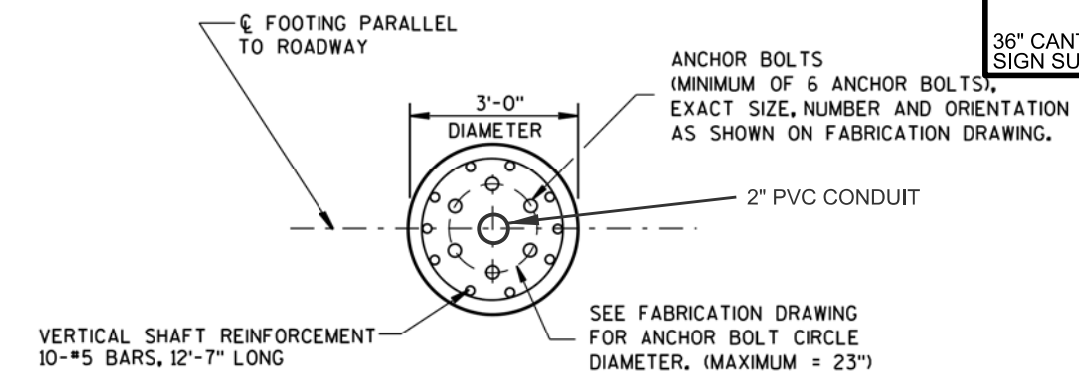
THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

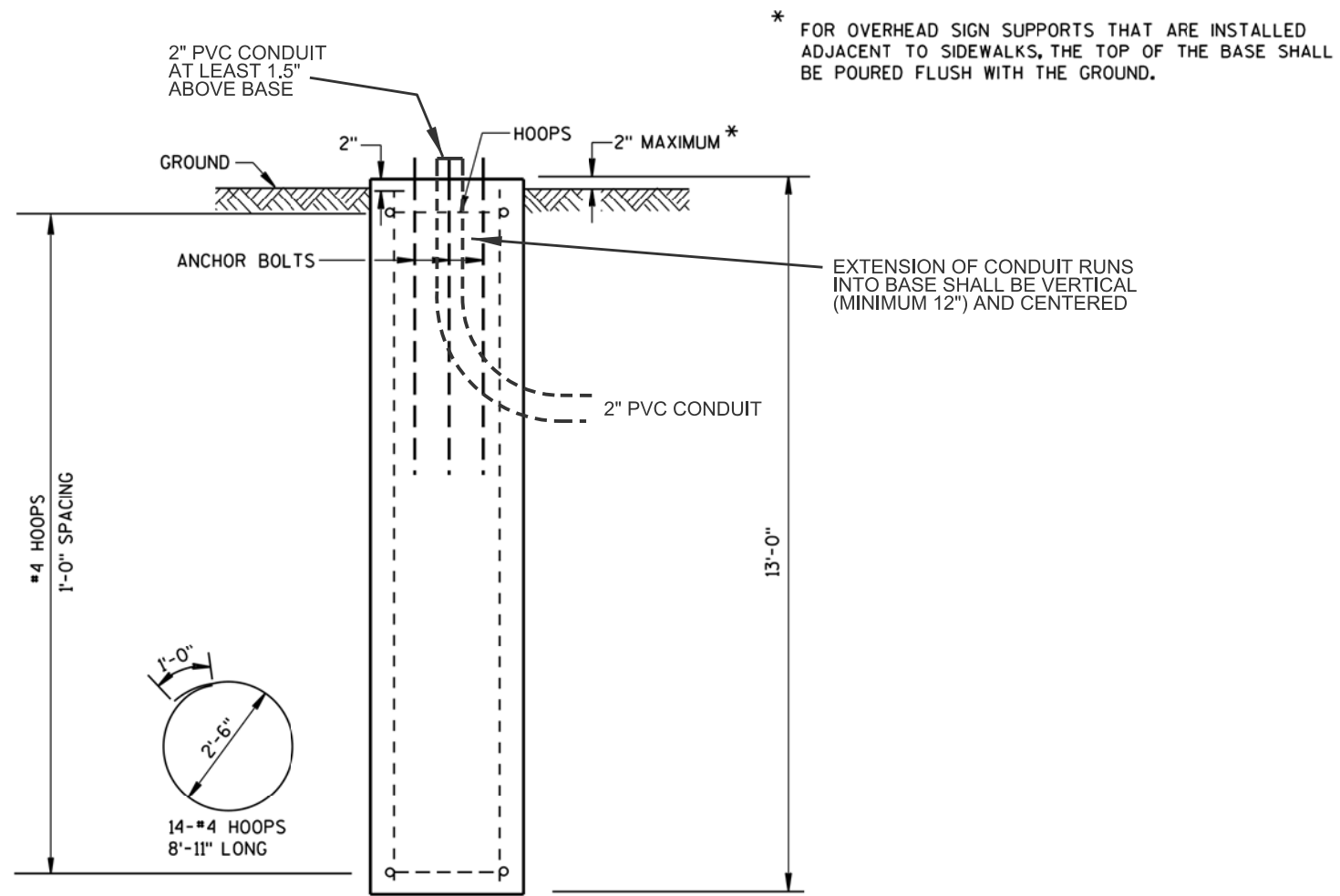
CONCRETE MASONRY ----- $f_c=3,500$ p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ----- $f_y=60,000$ p.s.i.
ANCHOR BOLTS ----- AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).

ALL CONDUIT ENDS AT TOP OF BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED.



PLAN VIEW



ELEVATION VIEW

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

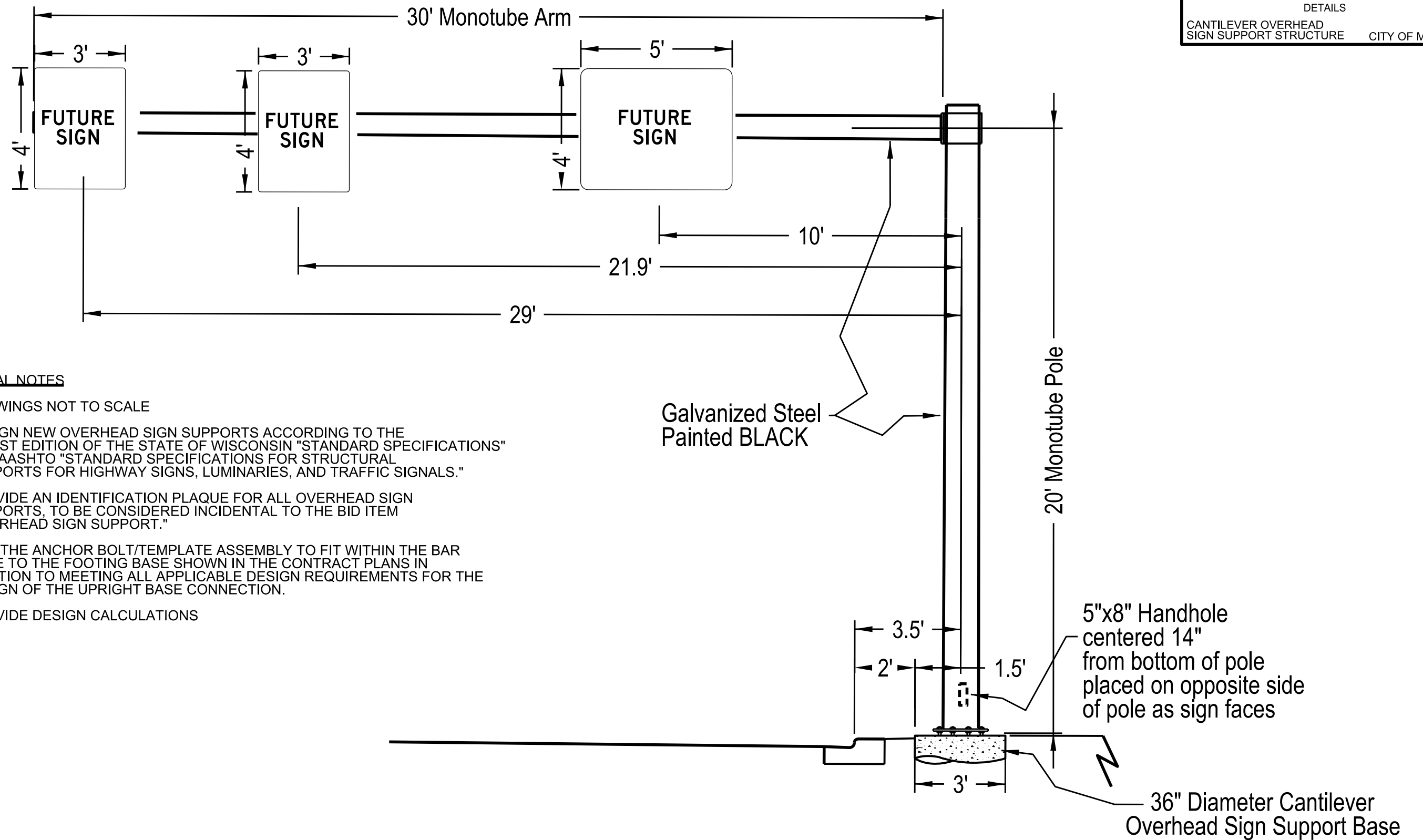
36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/17/2009 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

WISDOT SDD 15C24-2

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



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) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE TO THE FOOTING BASE SHOWN IN THE CONTRACT PLANS IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.
- 5) PROVIDE DESIGN CALCULATIONS

CANTILEVER OVERHEAD SIGN SUPPORT STRUCTURE

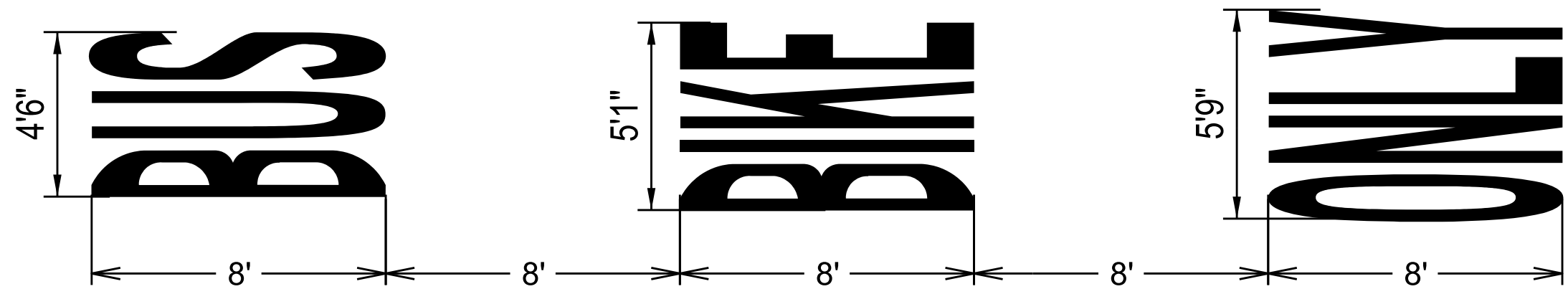
N Carroll St (SB-1), W Mifflin St (SB-2), E Mifflin St (SB-3), N Pinckney St (SB-4)

PLOT SCALE:

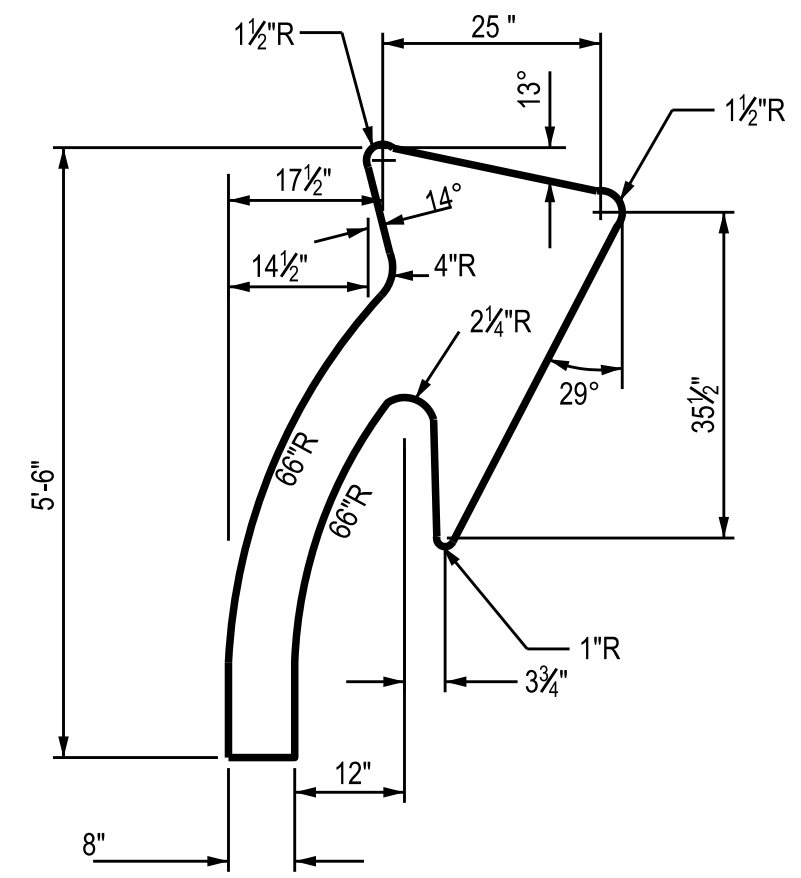
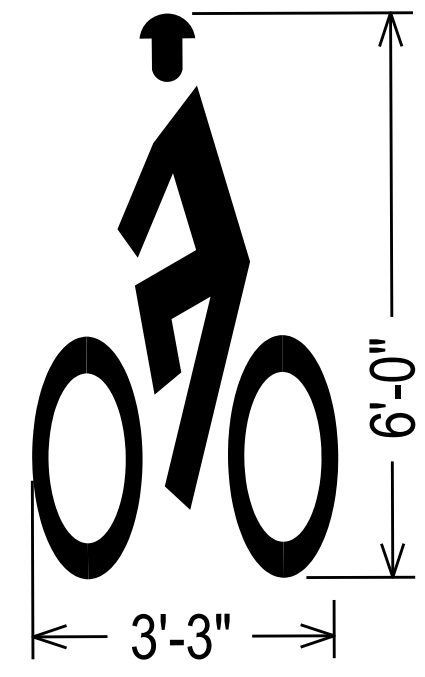
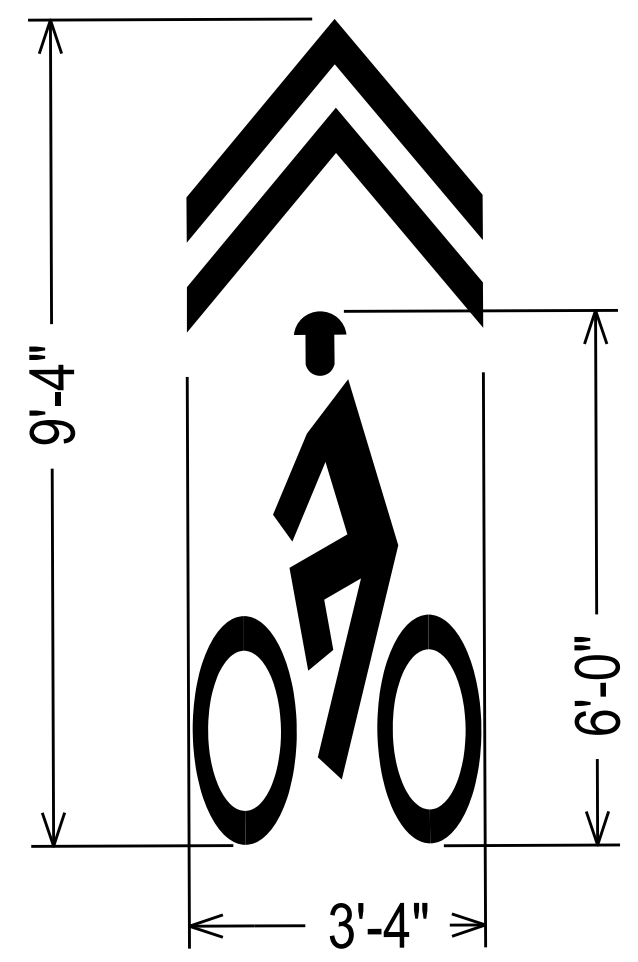
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Standard MUTCD Lettering



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

0709-231-0901-5 GRACE EPISCOPAL CHURCH
6 N Carroll St

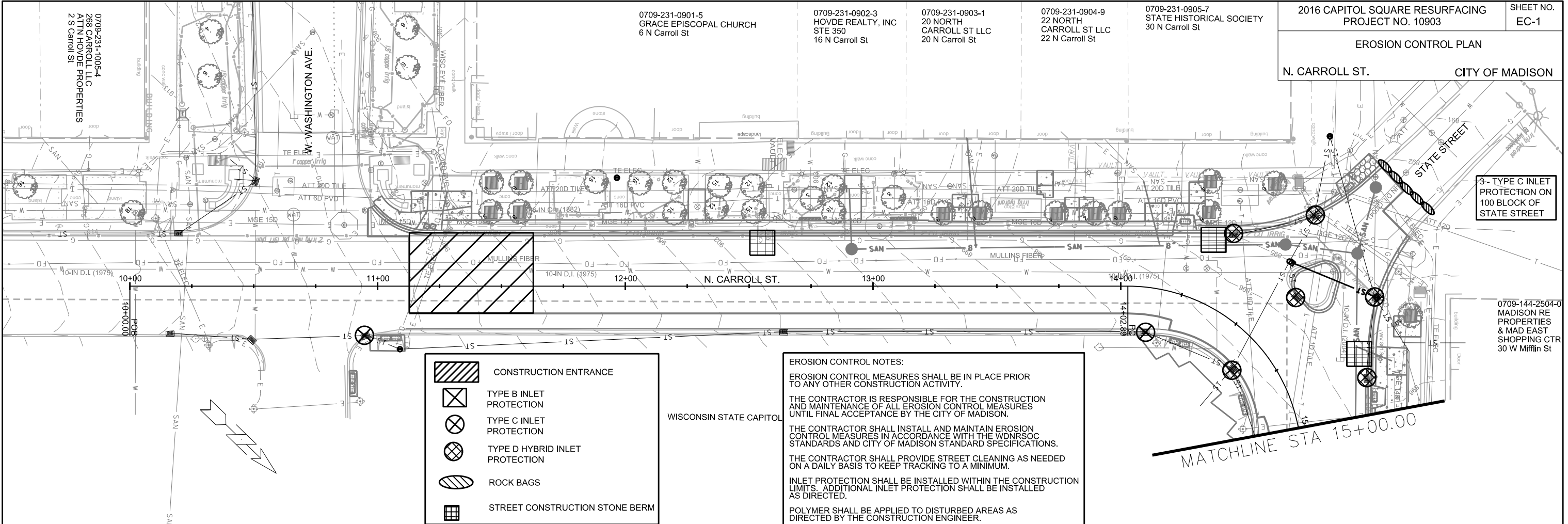
0709-231-0902-3 HOVDE REALTY, INC
STE 350
16 N Carroll St

0709-231-0903-1 20 NORTH CARROLL ST LLC
20 N Carroll St

0709-231-0904-9 22 NORTH CARROLL ST LLC
22 N Carroll St

0709-231-0905-7 STATE HISTORICAL SOCIETY
30 N Carroll St

0709-231-1005-4 288 CARROLL LLC
ATTN HOVDE PROPERTIES
2 S Carroll St



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

EROSION CONTROL NOTES:

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

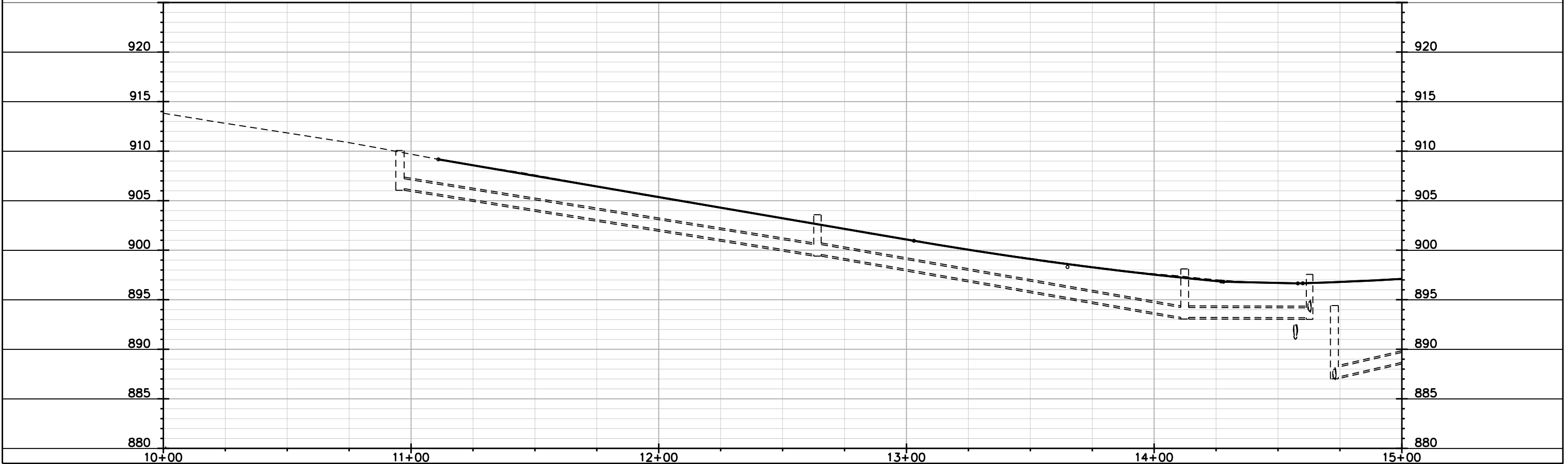
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDMRSOC 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.



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-144-2504-0
MADISON RE PROPERTIES
& MAD EAST SHOPPING CTR
30 W Mifflin St

0709-144-2306-6
20 WEST MIFFLIN
ASSOC. LLC
C/O MOREN INV. LLC
20 W Mifflin St

0709-144-2507-4
MIFFLIN ENTERPRISES LLC
14 W Mifflin St

0709-144-2509-0
100 WISCONSIN AVE CDM UNIT
OWNER ASSC %APEX PROP MGMT
100 Wisconsin Ave

2016 CAPITOL SQUARE RESURFACING
PROJECT NO. 10903

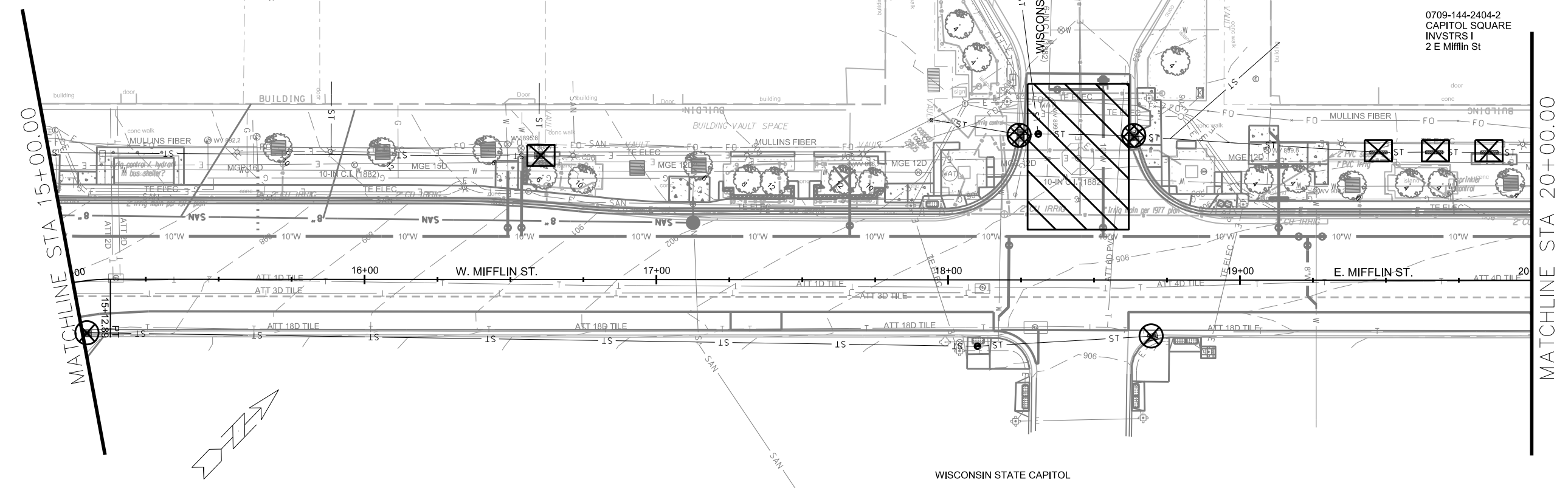
SHEET NO.
EC-2







EROSION CONTROL PLAN

MIFFLIN ST.

CITY OF MADISON

0709-144-2404-2
CAPITOL SQUARE
INVSTRS I
2 E Mifflin St



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

EROSION CONTROL NOTES:

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

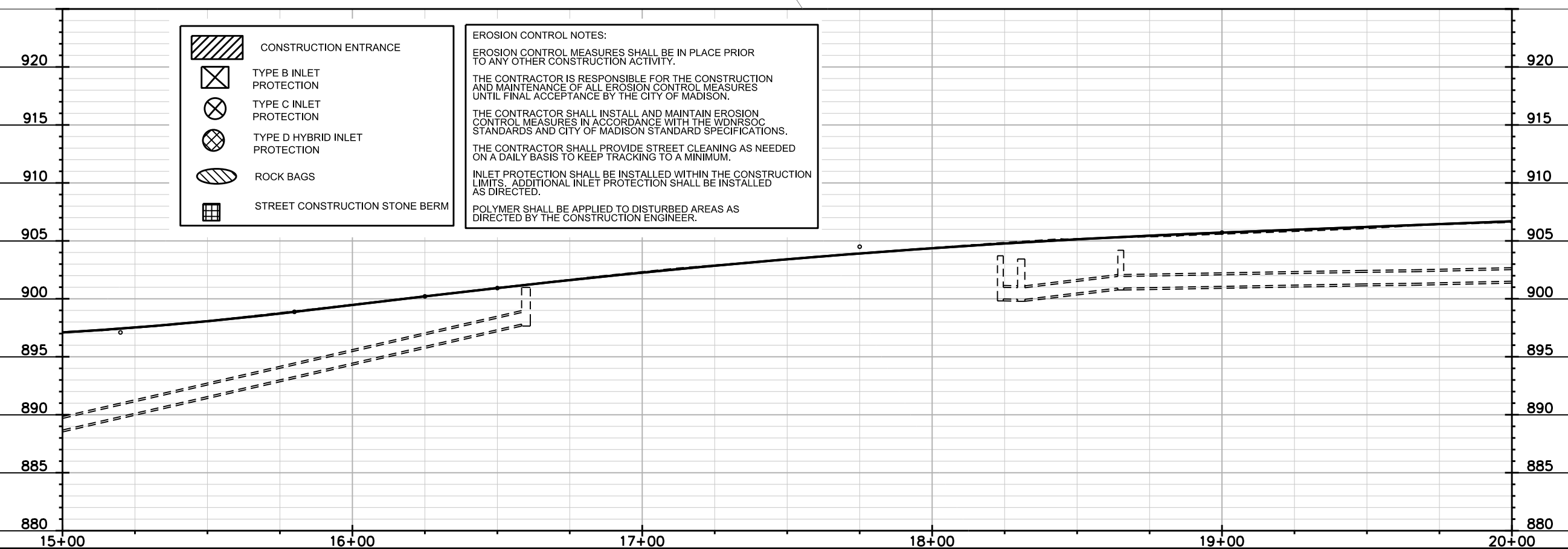
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THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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.



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL PLAN

E. MIFFLIN ST. CITY OF MADISON







0709-144-2409-2 NORTH SQUARE ASSOCIATES LLP 22 E Mifflin St
 0709-144-2411-7 44 ASSOCIATES LTD PTNRSHIP % URBAN LAND INTERESTS 44 E Mifflin St

3 - TYPE C INLET PROTECTION AT N HAMILTON ST & N WEBSTER ST INTERSECTION

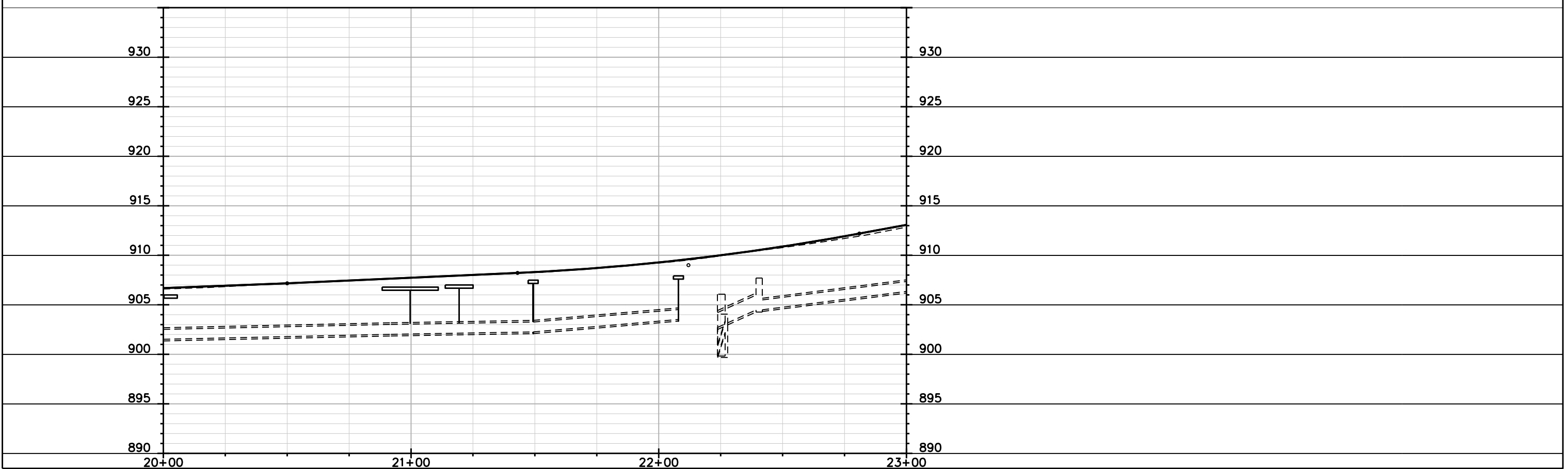
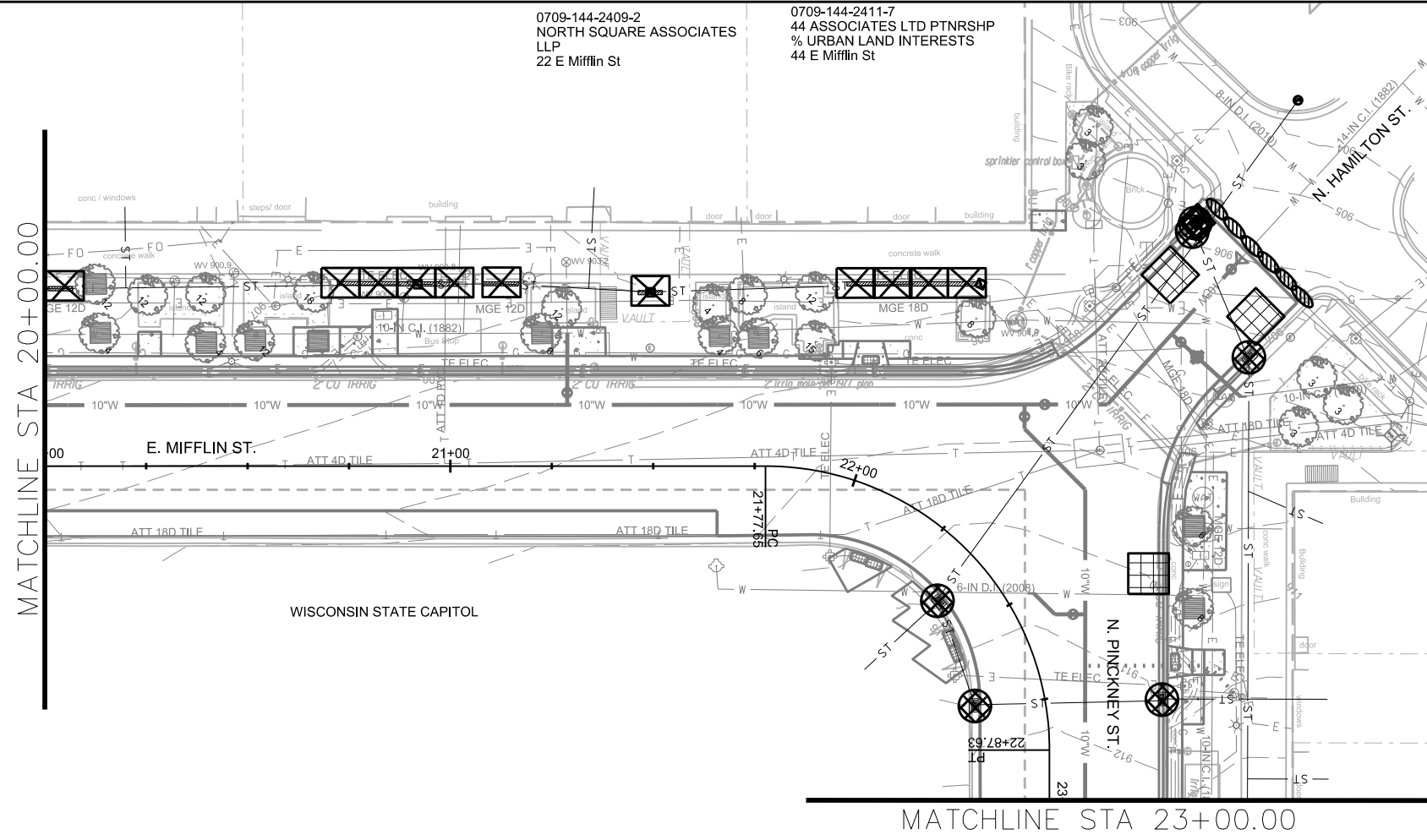
0709-133-3215-5 LANGE REV TR, KATHLEEN A C/O BLUE MARLIN 101 N Hamilton St

0709-133-3008-4 YWCA MADISON HOUSING LLC 101 E Mifflin St

0709-133-3007-6 CRESCENT LLC 25 N Pinckney St

-  CONSTRUCTION ENTRANCE
-  TYPE B INLET PROTECTION
-  TYPE C INLET PROTECTION
-  TYPE D HYBRID INLET PROTECTION
-  ROCK BAGS
-  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.



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

0709-133-3006-8
OSORIO INVESTMENTS LLC
23 N Pinckney St

0709-133-3005-0
OSORIO INVTLS LLC
% WESLI
19 N Pinckney St

0709-133-3004-2
15 NORTH PINCKNEY LLC
15 N Pinckney St

0709-133-3003-4
ONE NORTH PINCKNEY
ASSOCIATES LTD PRTNRSH
7 N Pinckney St

0709-133-3002-6
5 NORTH PINCKNEY LLC
5 N Pinckney St

0709-133-3001-8
ONE NORTH
PINCKNEY ASSOC
LTD PARTNERSHIP
1 N Pinckney St

2016 CAPITOL SQUARE RESURFACING
PROJECT NO. 10903

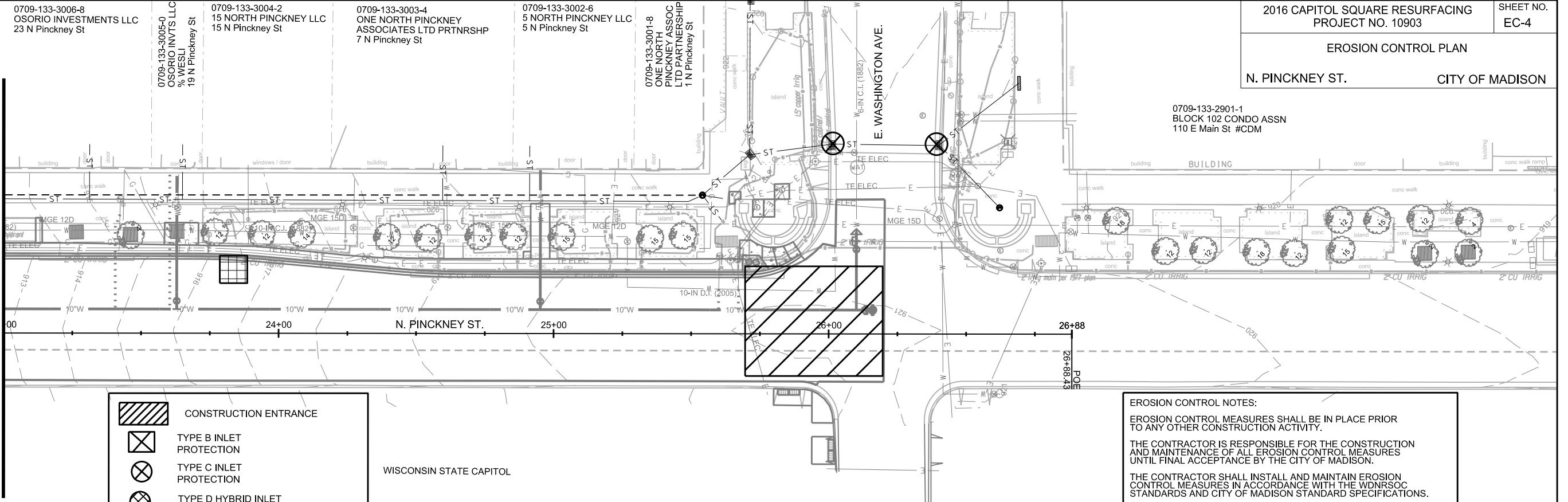
SHEET NO.
EC-4







EROSION CONTROL PLAN

N. PINCKNEY ST. CITY OF MADISON

0709-133-2901-1
BLOCK 102 CONDO ASSN
110 E Main St #CDM

MATCHLINE STA 23+00.00



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

EROSION CONTROL NOTES:

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

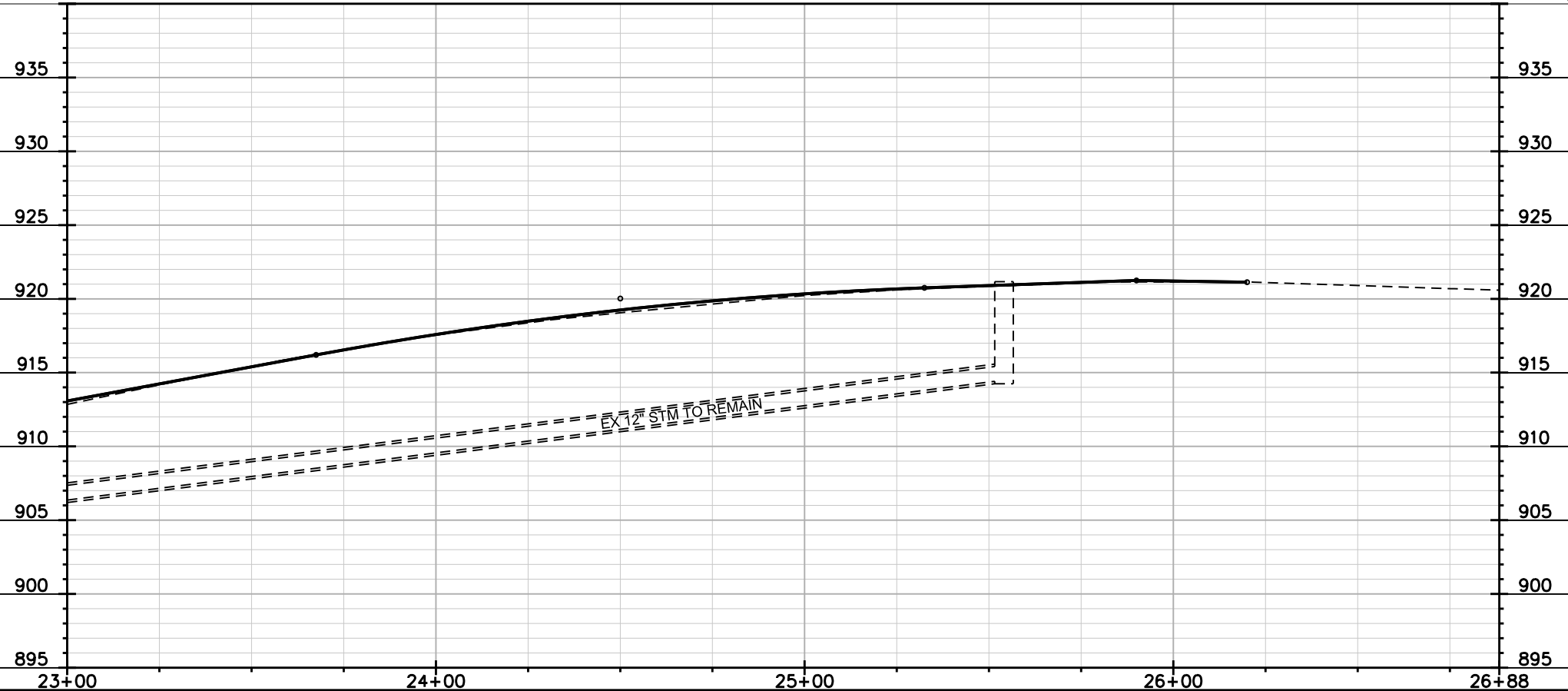
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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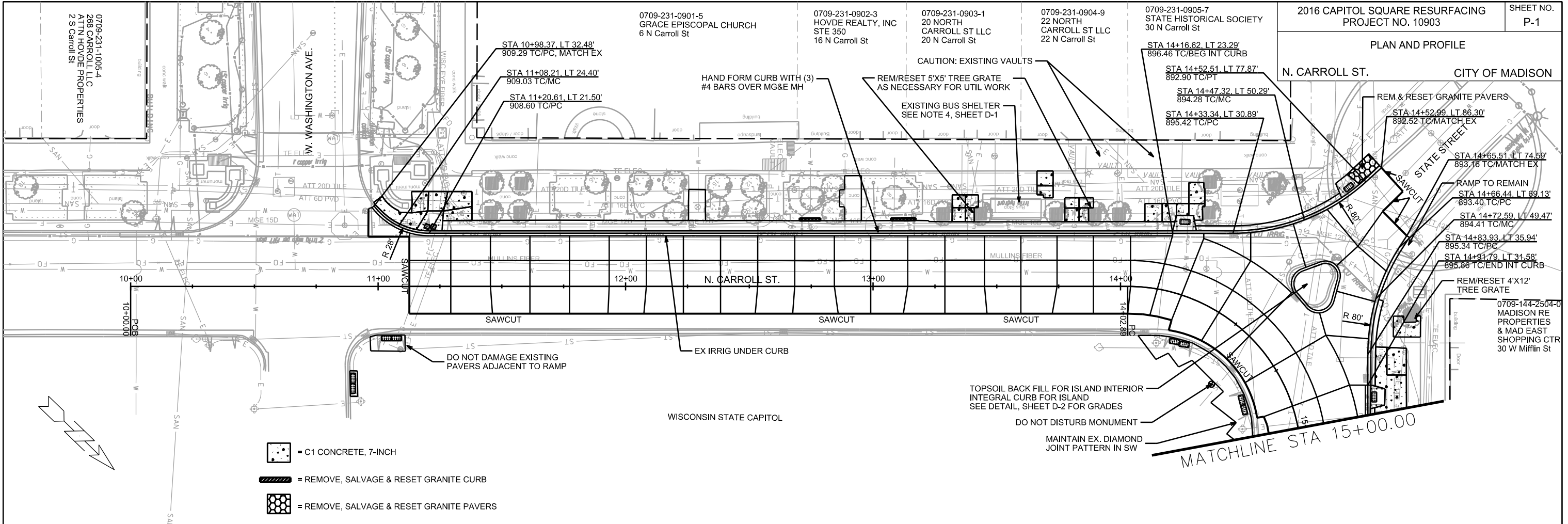


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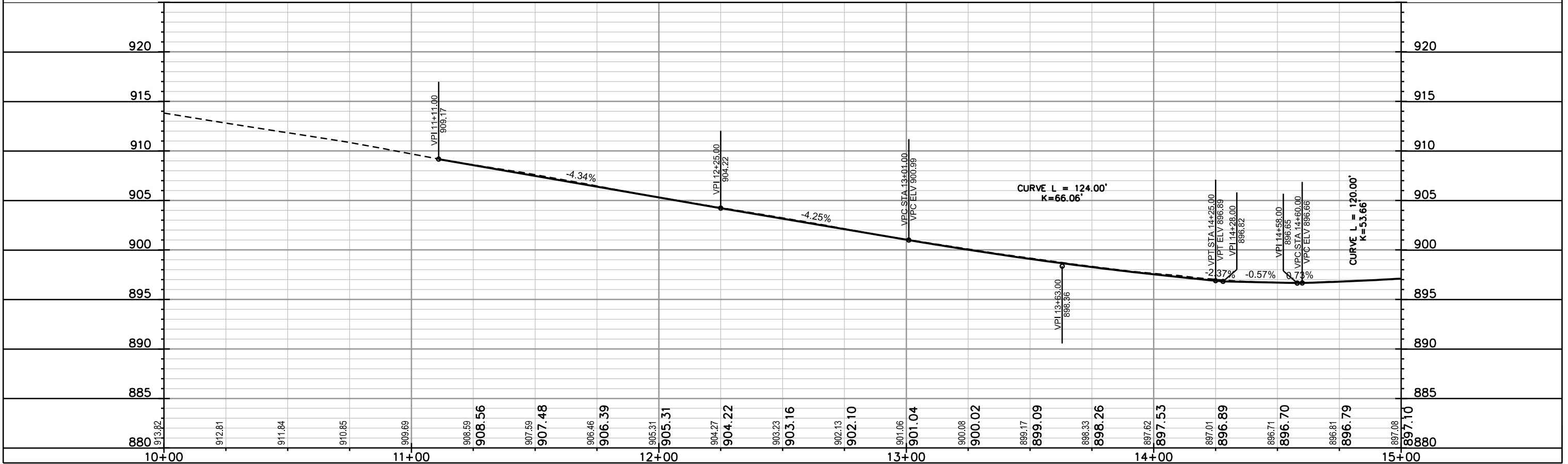
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- = C1 CONCRETE, 7-INCH
- = REMOVE, SALVAGE & RESET GRANITE CURB
- = REMOVE, SALVAGE & RESET GRANITE PAVERS



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-144-2504-0
MADISON RE PROPERTIES
& MAD EAST SHOPPING CTR
30 W Mifflin St

0709-144-2506-6
20 WEST MIFFLIN
ASSOC LLC
C/O MOREN INV/LLC
20 W Mifflin St

0709-144-2507-4
MIFFLIN ENTERPRISES LLC
14 W Mifflin St

0709-144-2509-0
100 WISCONSIN AVE CDM UNIT
OWNR ASSC %APEX PROP MGMT
100 Wisconsin Ave

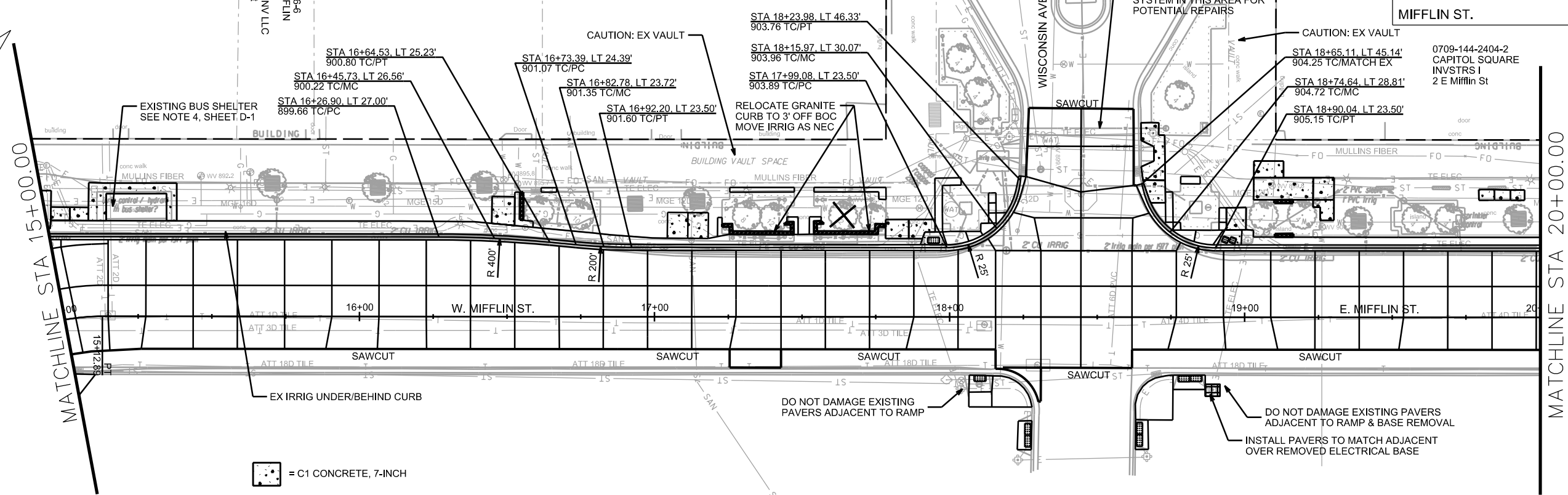
2016 CAPITOL SQUARE RESURFACING
PROJECT NO. 10903

SHEET NO.
P-2

PLAN AND PROFILE

MIFFLIN ST. CITY OF MADISON

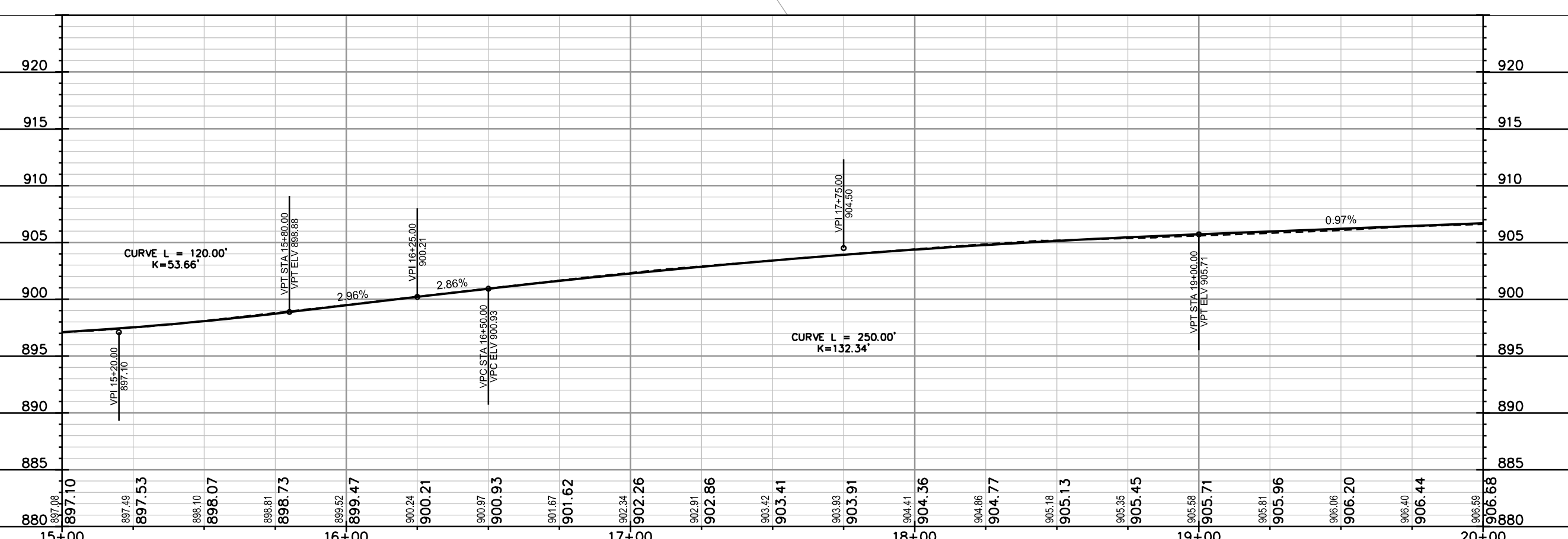
0709-144-2404-2
CAPITOL SQUARE
INVSTRS I
2 E Mifflin St



- = C1 CONCRETE, 7-INCH
- = REMOVE, SALVAGE & RESET GRANITE CURB

MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

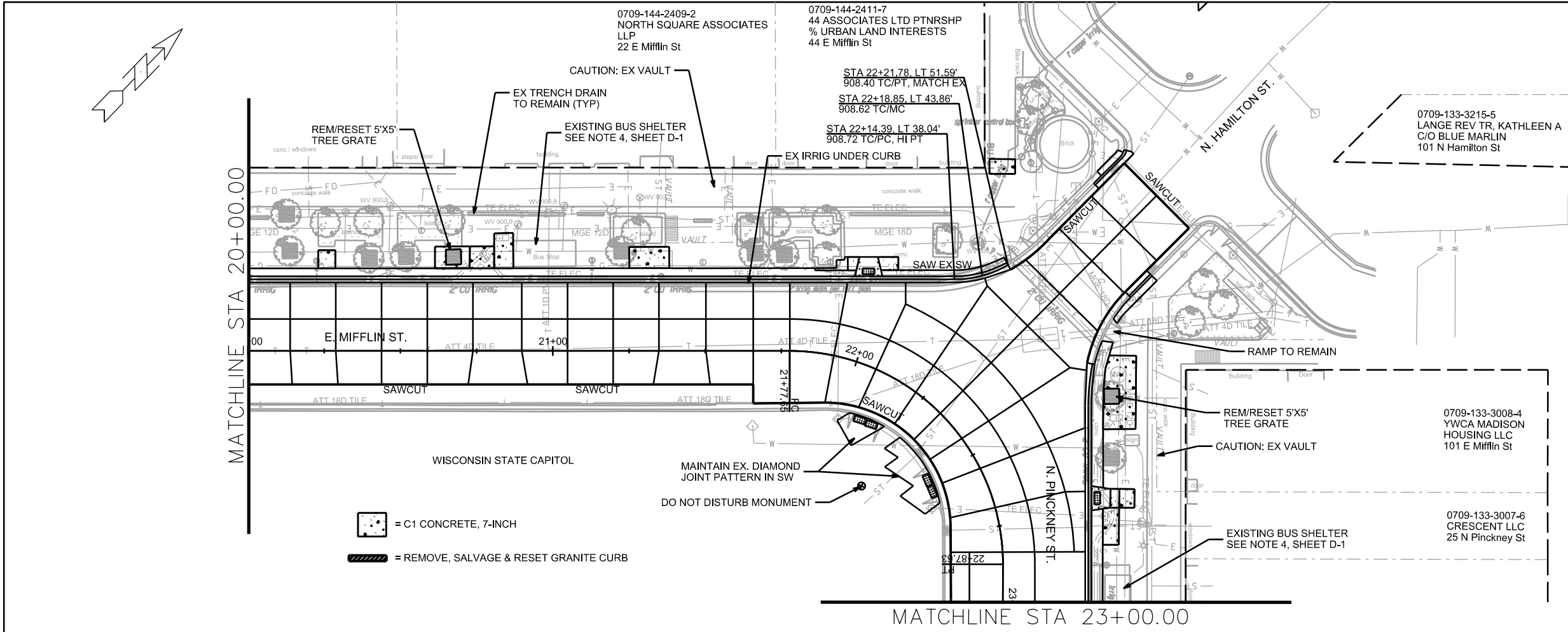


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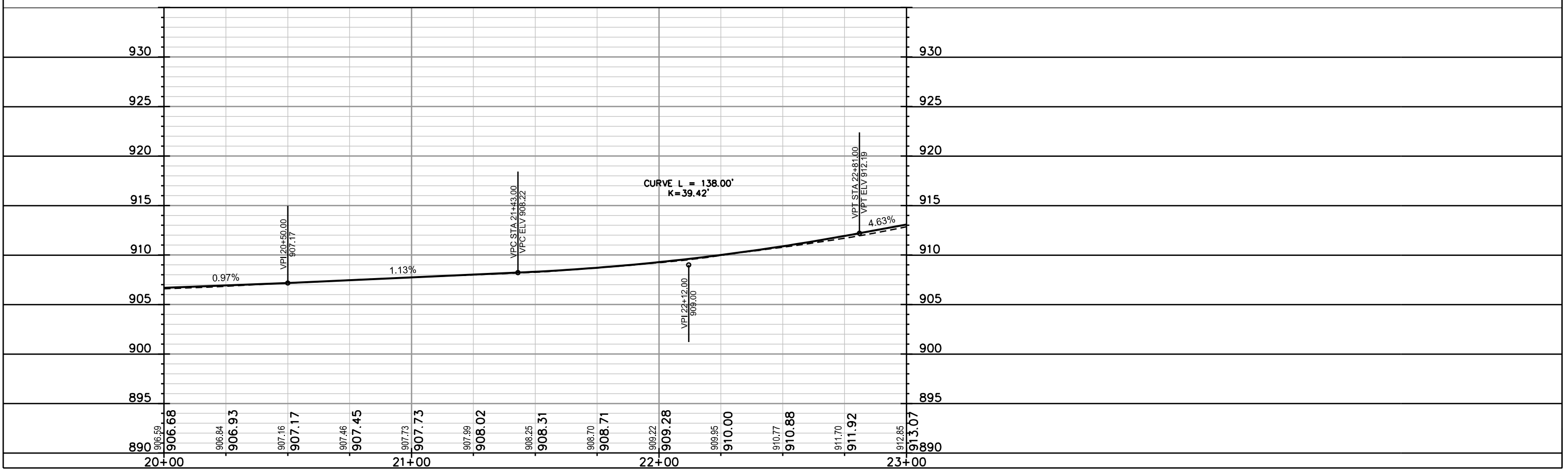
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- = C1 CONCRETE, 7-INCH
- = REMOVE, SALVAGE & RESET GRANITE CURB



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-133-3006-8
OSORIO INVESTMENTS LLC
23 N Pinckney St

0709-133-3005-0
OSORIO INVTLS LLC
% WESLI
19 N Pinckney St

0709-133-3004-2
15 NORTH PINCKNEY LLC
15 N Pinckney St

0709-133-3003-4
ONE NORTH PINCKNEY
ASSOCIATES LTD PRTRNSHP
7 N Pinckney St

0709-133-3002-6
5 NORTH PINCKNEY LLC
5 N Pinckney St

0709-133-3001-8
ONE NORTH
PINCKNEY ASSOC
LTD PARTNERSHIP
1 N Pinckney St

REV 2-15-16 JMW

2016 CAPITOL SQUARE RESURFACING
PROJECT NO. 10903

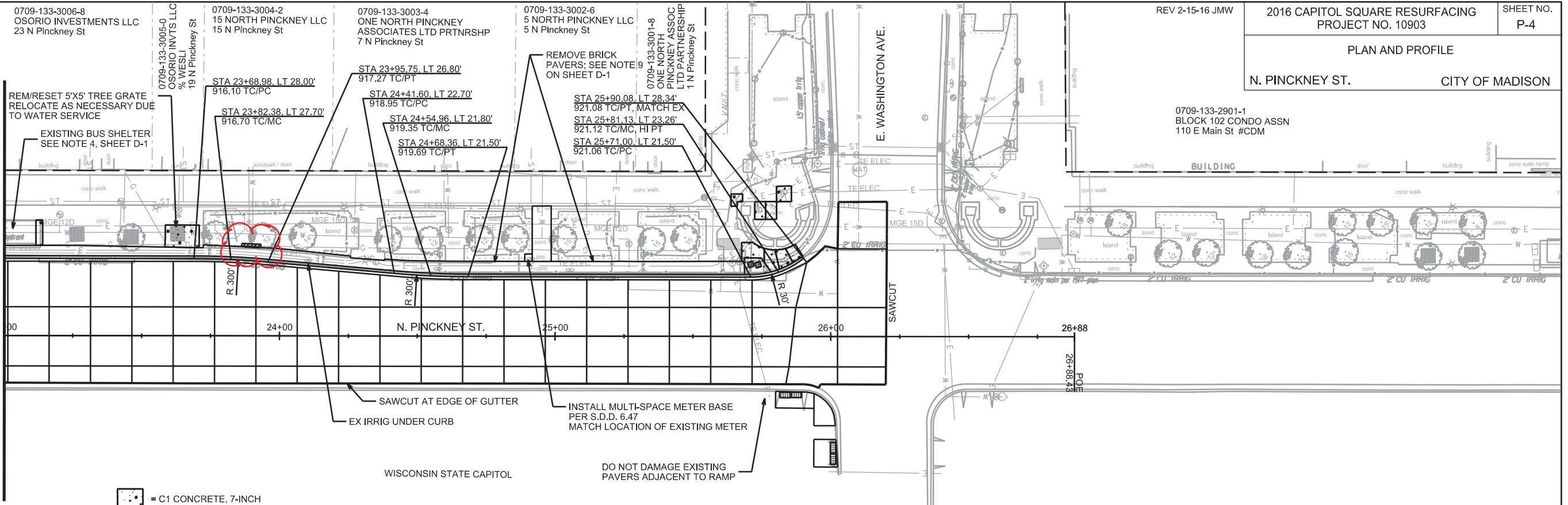
SHEET NO.
P-4

PLAN AND PROFILE

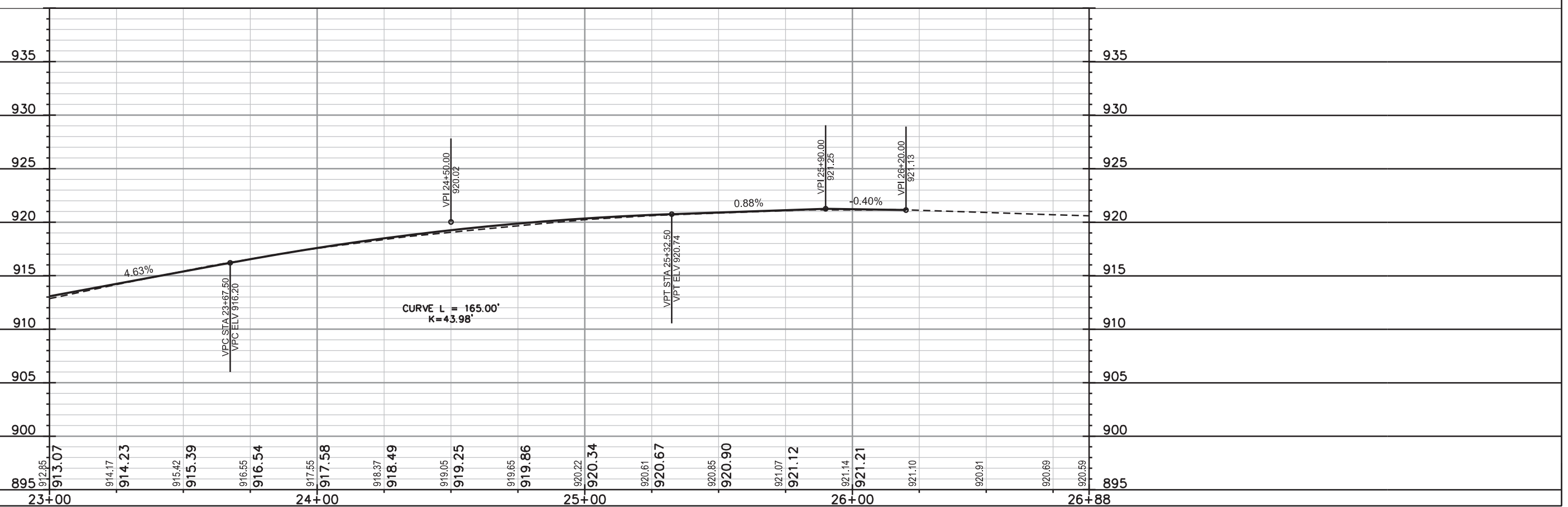
N. PINCKNEY ST. CITY OF MADISON

0709-133-2901-1
BLOCK 102 CONDO ASSN
110 E Main St #CDM

MATCHLINE STA 23+00.00



- = C1 CONCRETE, 7-INCH
- = REMOVE, SALVAGE & RESET GRANITE CURB

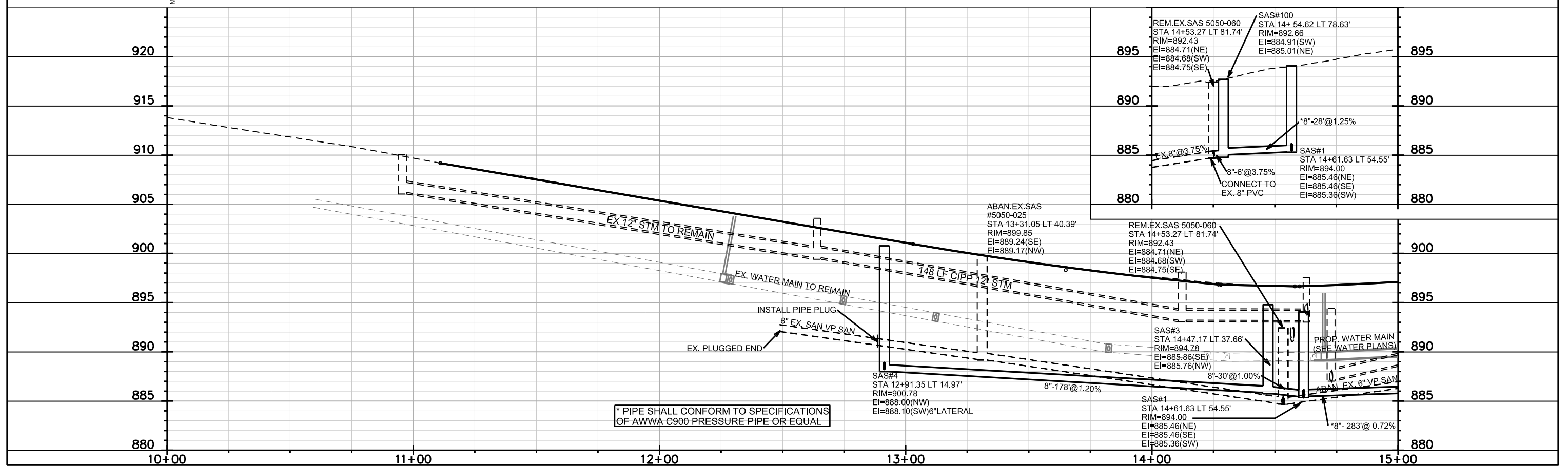
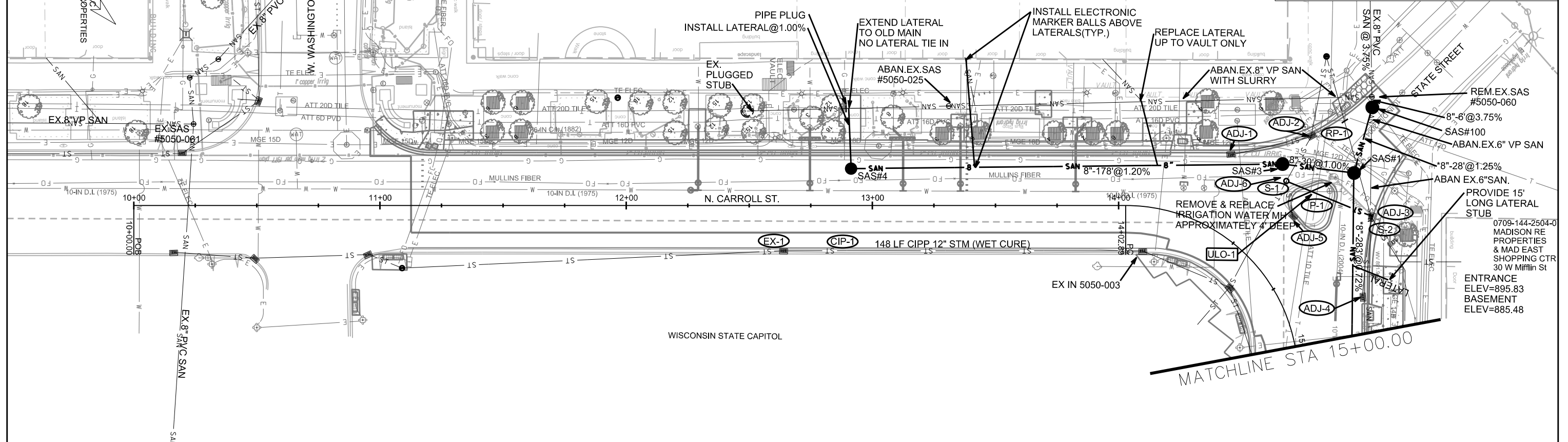


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-144-2504-0
MADISON RE PROPERTIES
& MAD EAST SHOPPING CTR
30 W Mifflin St

0709-144-2506-6
20 WEST MIFFLIN
ASSOC. LLC
C/O MOREN INV. LLC
20 W Mifflin St

0709-144-2507-4
MIFFLIN ENTERPRISES LLC
14 W Mifflin St

0709-144-2509-0
100 WISCONSIN AVE CDM UNIT
OWNR ASSC %APEX PROP MGMT
100 Wisconsin Ave

2016 CAPITOL SQUARE RESURFACING
PROJECT NO. 10903

SHEET NO.
U-2

UTILITIES
PLAN AND PROFILE

MIFFLIN ST. CITY OF MADISON

REV. 3/24/16 MDM SAS#2 RIM REVISED

0709-144-2404-2
CAPITOL SQUARE
INVSTRS I
2 E Mifflin St

PROPERTIES CURRENTLY SERVED OFF OF ALLEY SEWER

INSTALL ELECTRONIC
MARKER BALLS ABOVE
LATERALS(TYP.)

ENTRANCE
ELEV=899.76
BASEMENT
ELEV=891.56

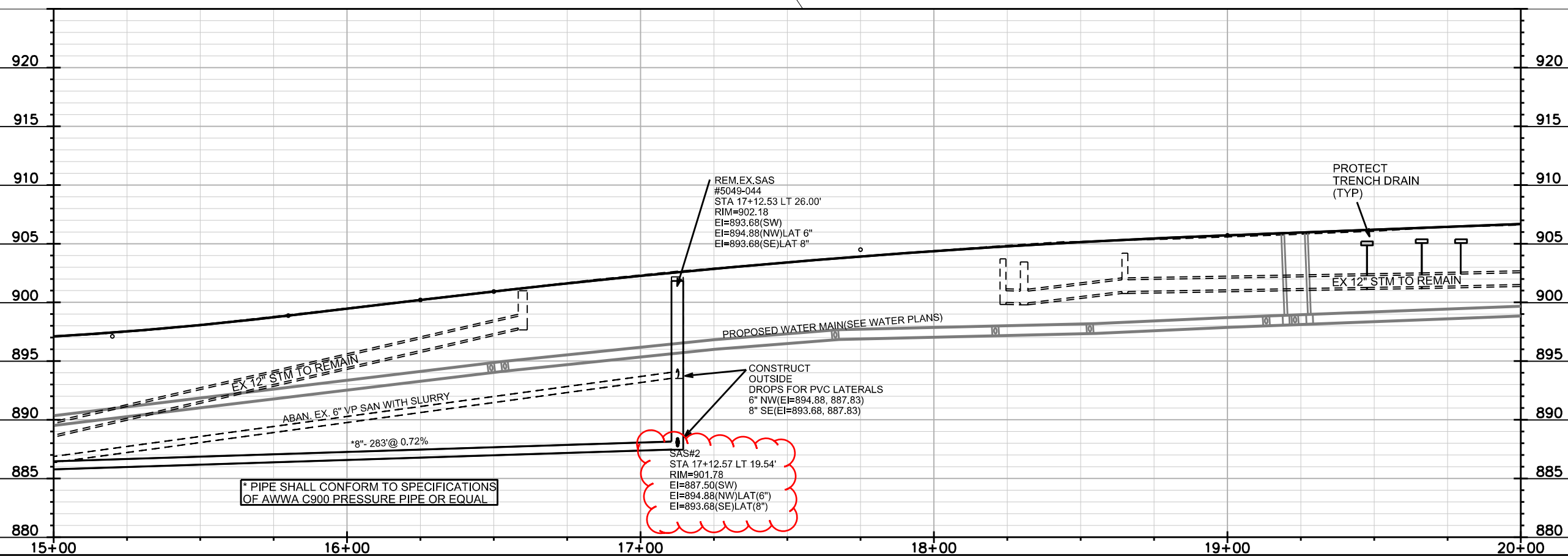
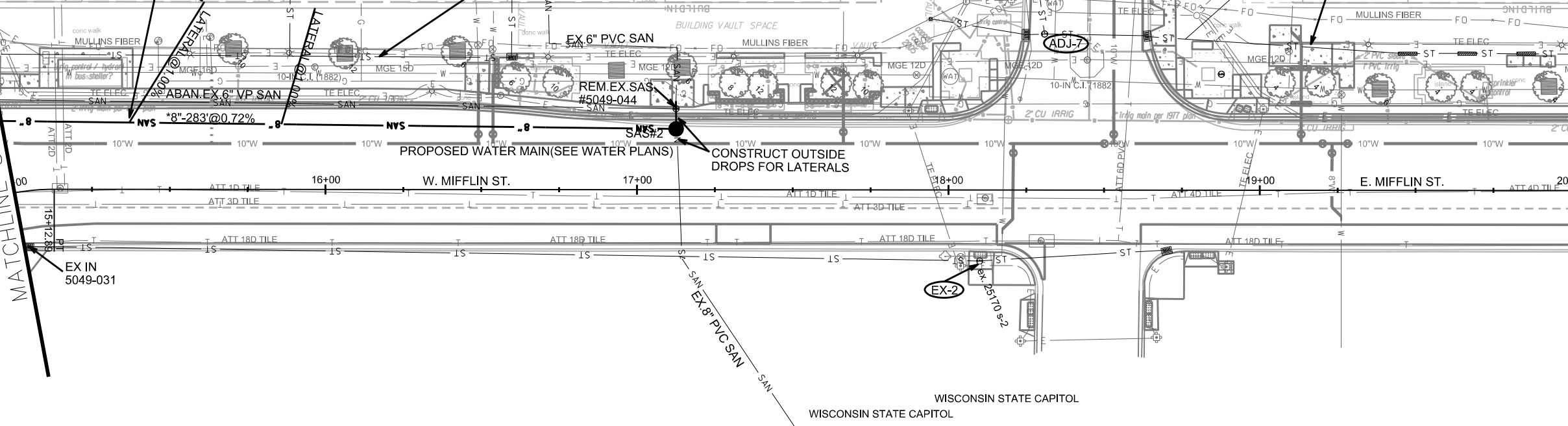
ENTRANCE
ELEV=899.26
BASEMENT
ELEV=888.46

EX 12" STM TO REMAIN

EX 12" STM TO REMAIN

MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00



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

SAS#2
STA 17+12.57 LT 19.54'
RIM=901.78
EI=887.50(SW)
EI=894.88(NW)LAT(6")
EI=893.68(SE)LAT(8")

REM. EX. SAS
#5049-044
STA 17+12.53 LT 26.00'
RIM=902.18
EI=893.68(SW)
EI=894.88(NW)LAT 6"
EI=893.68(SE)LAT 8"

CONSTRUCT
OUTSIDE
DROPS FOR PVC LATERALS
6" NW(EI=894.88, 887.83)
8" SE(EI=893.68, 887.83)

PROTECT
TRENCH DRAIN
(TYP)

EX 12" STM TO REMAIN

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

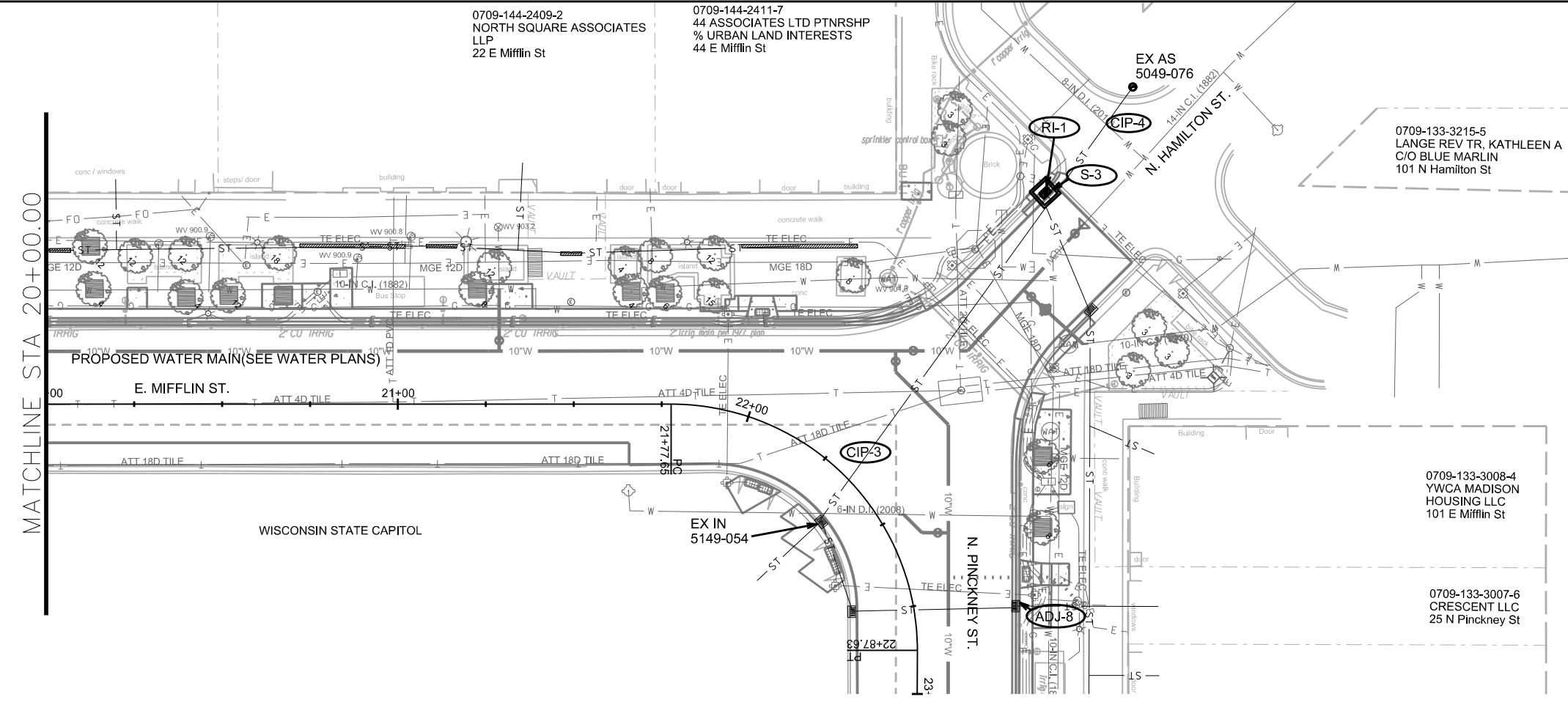
0709-144-2409-2
NORTH SQUARE ASSOCIATES
LLP
22 E Mifflin St

0709-144-2411-7
44 ASSOCIATES LTD PTNRSH
% URBAN LAND INTERESTS
44 E Mifflin St

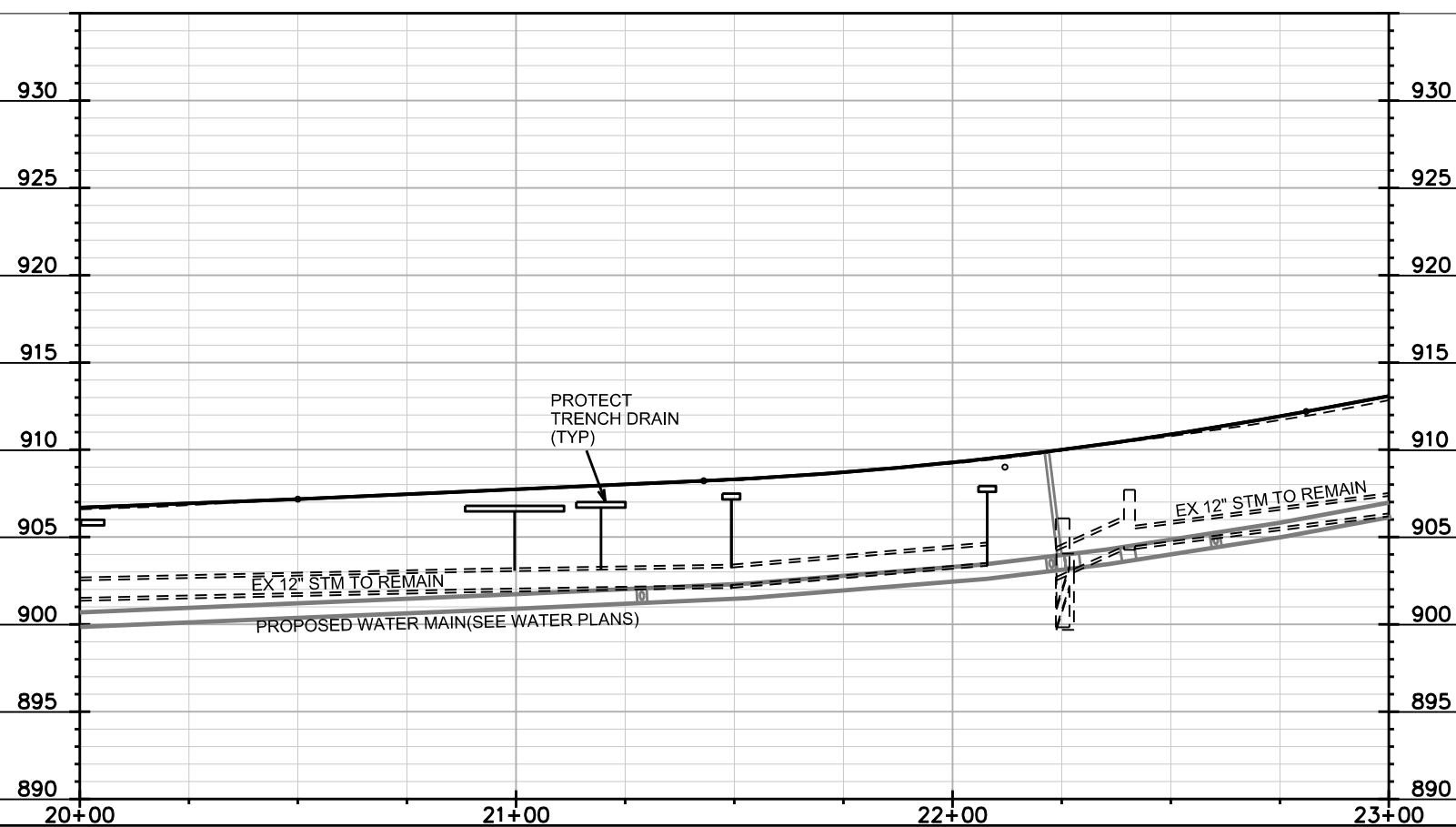
0709-133-3215-5
LANGE REV TR, KATHLEEN A
C/O BLUE MARLIN
101 N Hamilton St

0709-133-3008-4
YWCA MADISON
HOUSING LLC
101 E Mifflin St

0709-133-3007-6
CRESCENT LLC
25 N Pinckney St



MATCHLINE STA 20+00.00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
N CARROLL STREET						
SAS #4	12+91.35	LT-14.97	900.78	888.00	12.78	
SAS #3	14+47.17	LT-37.66	894.78	885.48	9.30	
W MIFFLIN STREET						
SAS#100	14+54.62	LT-78.63	892.66	884.91	7.75	
SAS #1	14+61.63	LT-54.55	894.00	885.00	9.00	
* SAS #2	17+12.57	LT-19.54	901.78	887.50	14.28	OUTSIDE DROPS FOR EX. PVC LATERALS
IRRIGATION MANHOLE WORK						
Irrigation MH	14+59.22	LT-46.95	894.43	890.43	4.00	Flat Base Depth Approximate; MH Buried in snow

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
N CARROLL STREET								
SAS#1	SAS #3	885.46	885.76	30	1.00%	8"		
SAS #3	SAS #4	885.86	888.00	178	1.20%	8"		
W MIFFLIN STREET								
EX. 5050-060	SAS#100	884.68	884.91	6	3.75%	8"		
SAS#100	SAS#1	885.01	885.36	28	1.25%	8"	AWWA C900 DR18	
SAS#1	SAS #2	885.46	887.50	283	0.72%	8"	AWWA C900 DR18 MAIN AND LATERALS	

REMOVE OR ABANDON STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
N CARROLL STREET						
EX 5050-025	13+31.05	LT-40.39	899.85	889.17	10.68	ABANDON
W MIFFLIN STREET						
EX.5050-060	14+53.27	LT-81.74	892.43	884.68	7.75	REMOVE
EX 5049-044	17+12.53	LT-26.00	902.18	893.68	8.50	REMOVE
IRRIGATION MANHOLE WORK						
Irrigation MH	14+59.22	LT-46.95	894.43	890.43	4.00	REMOVE MANHOLE, DISCONNECT IRRIGATION LINES MEASURE DEPTH PRIOR TO REMOVAL

SANITARY SEWER REMOVALS AND ABANDONMENTS

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	LENGTH Feet	PAID (Y/N)	SIZE (DIA in)	PIPE TYPE	NOTES
N CARROLL STREET						
EX 5050-060	EX 5050-025	172	Y	8"	VP	ABANDON MAIN WITH SLURRY
W MIFFLIN STREET						
EX 5050-060	EX 5050-044	314.00	Y	6"	VP	ABANDON MAIN WITH SLURRY

STORM SEWER SCHEDULE

REVISED 03/23/2016 ELD

2016 CAPITOL SQUARE RESURFACING PROJECT NO. 10903	SHEET NO. U-5
STORM SEWER SCHEDULE	
CITY OF MADISON	

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
* S-1	14+50.80	LT-33.11	STM TAP	-	890.40	-	TAP EX AS 5050-059
* S-2	14+72.56	LT-49.86	STM TAP	-	890.40	-	TAP EX IN 5049-090
S-3	22+25.21	LT-98.10	5X5 SAS	906.07	901.79	4.28	FP; W/ R-3067-7004-V; (2)

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	PLAN LGTH (FT)	PIPE LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	40	37	890.40	890.40	0.00%	12"	RCP	NCM

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	TYPE	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
ADJ-1	14+33.29	LT-31.31	H INLET	895.27	895.42	0.15	-
ADJ-2	14+48.30	LT-54.64	6X6 SAS W/ H CASTING	893.93	894.06	0.13	-
ADJ-3	14+73.00	LT-50.69	H INLET	894.41	894.41	0.00	-
ADJ-4	14+90.03	LT-32.62	H INLET	895.61	895.61	0.00	-
ADJ-5	14+59.00	LT-25.98	H INLET	895.90	895.65	-0.25	(1)
ADJ-6	14+50.80	LT-33.11	4X4 SAS	894.94	895.00	0.06	-
ADJ-7	18+30.74	LT-50.00	3X3 SAS	903.44	903.44	0.00	-
ADJ-8	22+78.50	LT-29.00	H INLET	911.48	911.70	0.22	-

PROPOSED CIPP STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	NOTES
* CIP-1	EX-1	IN 5050-003	148	12"	WET-CURE
* CIP-2	IN 5049-031	EX-2	305	12"	WET-CURE
CIP-3	S-3	IN 5149-054	115	12"	-
CIP-4	AS 5049-076	S-3	40	12"	-

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RI-1	TE 5049-075	22+25.21	LT-98.10	INLET	-

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1	STA 14+52.35	LT-67.15 S-3	40	12"	RCP	Y	(3)

ULO SCHEDULE

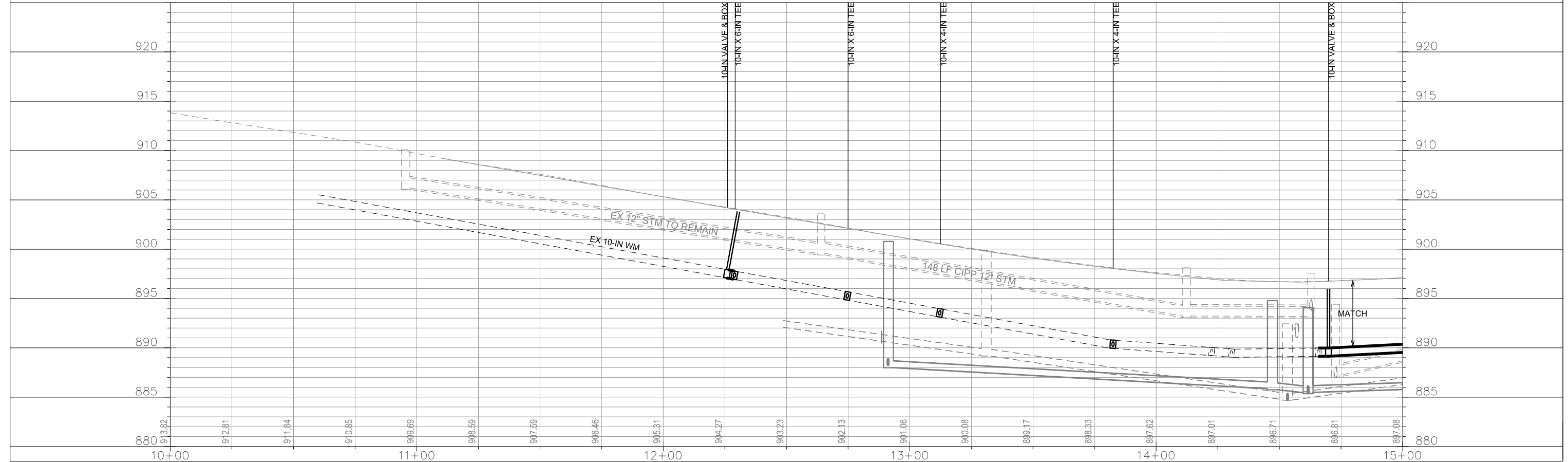
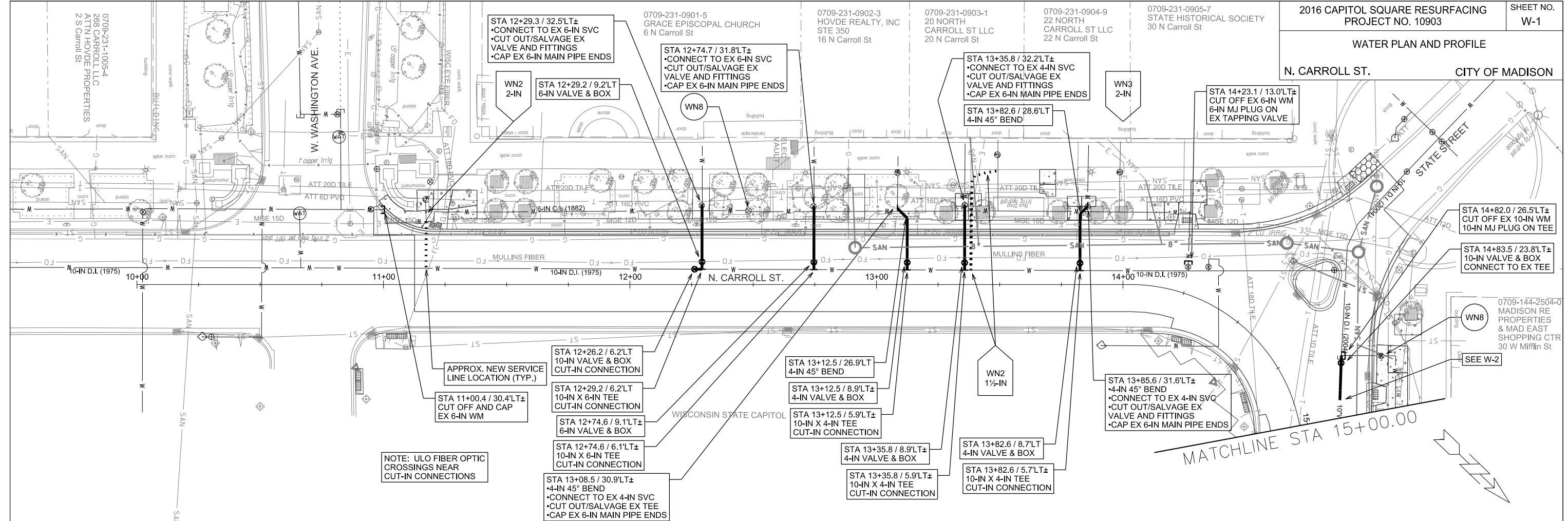
ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO-1	14+58.57	LT-37.15	TEL (2" CABLE-888.94) FO (6" PVC-889.35) 10" WATER (888.63)	- RELOCATED REQUIRED

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
- 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 ERIC DUNDEE OF CITY ENGINEERING AT (608) 266-4913 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

SPECIFIC NOTES

- (1) 4" CURB HEAD
- (2) CONNECT EXISTING PIPES (S, N, W)
- (3) PIPE REMOVAL WITHIN STREET (PLUG END INCIDENTAL TO REMOVE PIPE)



0709-144-2504-0
MADISON RE PROPERTIES
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0709-144-2506-6
20 WEST MIFFLIN
ASSOC LLC
C/O MOREN INV/LLC
20 W Mifflin St

0709-144-2507-4
MIFFLIN ENTERPRISES LLC
14 W Mifflin St

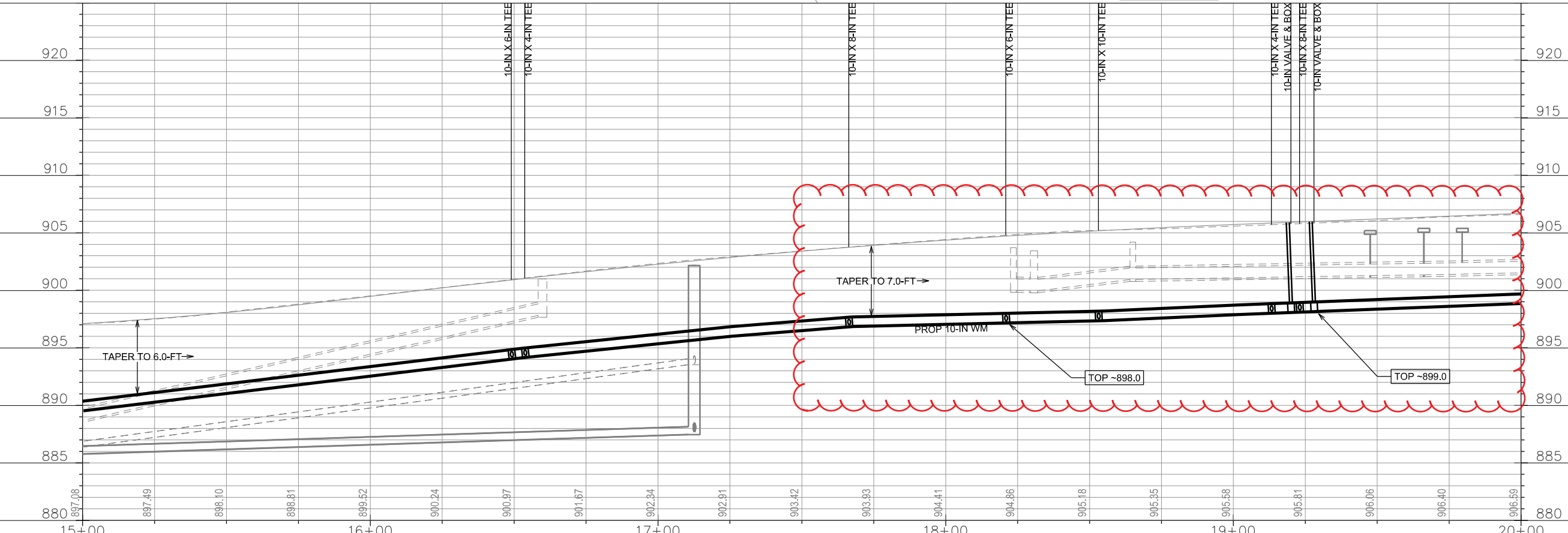
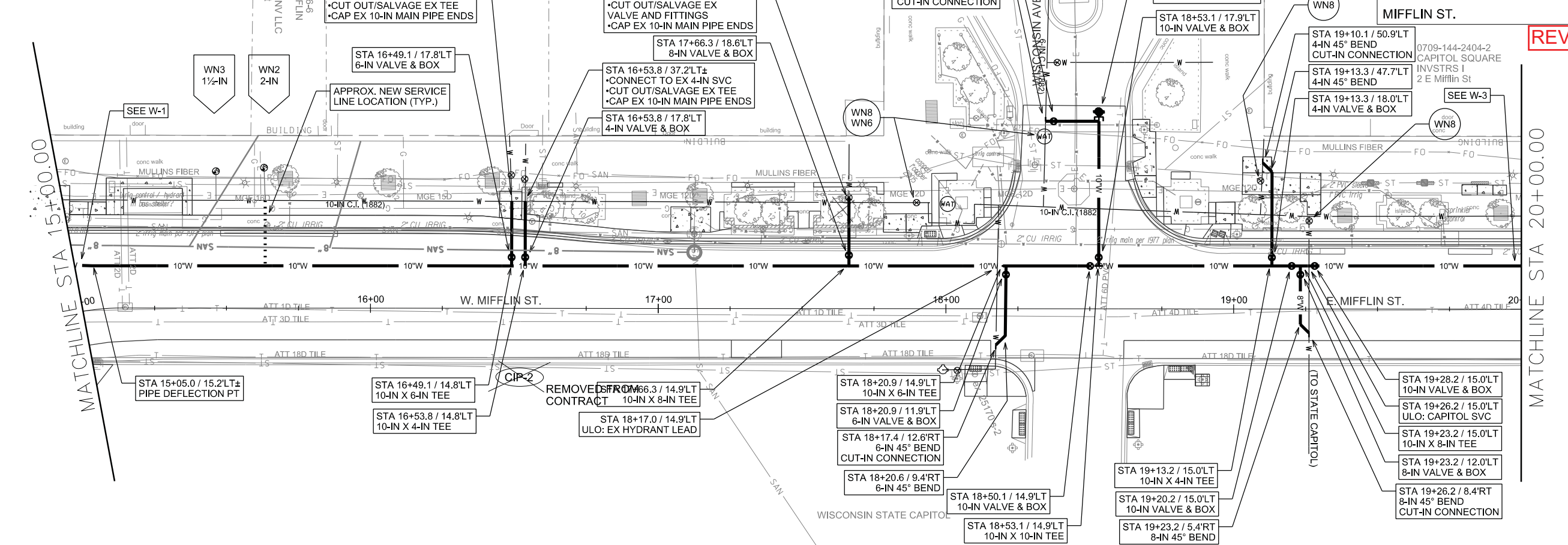
0709-144-2509-0
100 WISCONSIN AVE CDM UNIT
OWNER ASSC %APEX PROP MGMT
100 Wisconsin Ave

2016 CAPITOL SQUARE RESURFACING
PROJECT NO. 10903

SHEET NO.
W-2

WATER PLAN AND PROFILE

CITY OF MADISON
REVISION #1 3/24

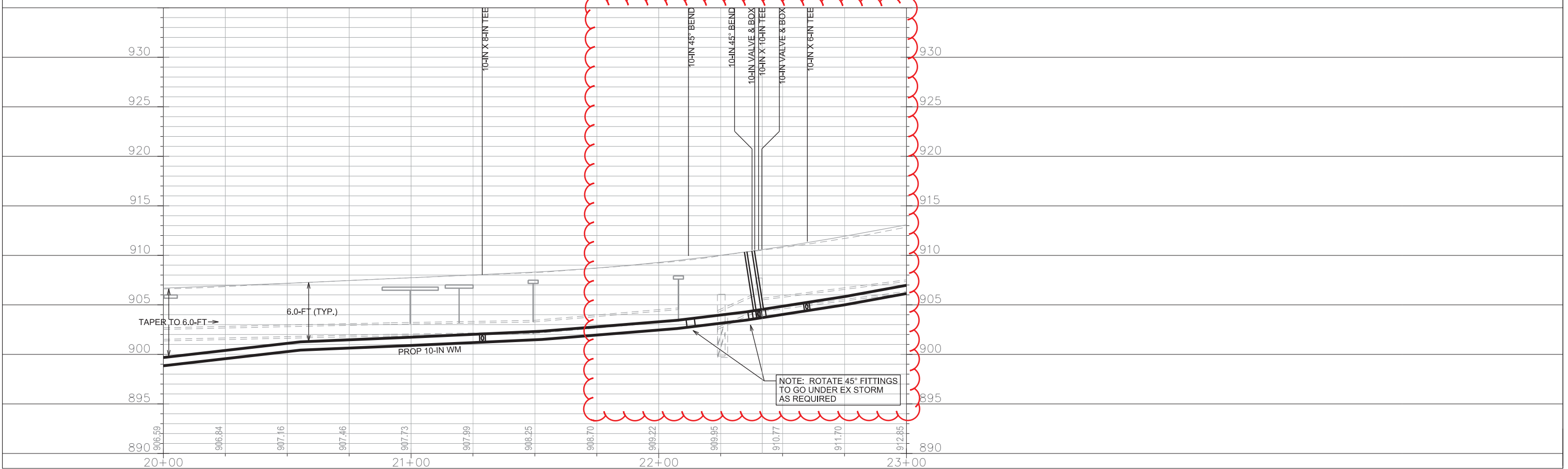
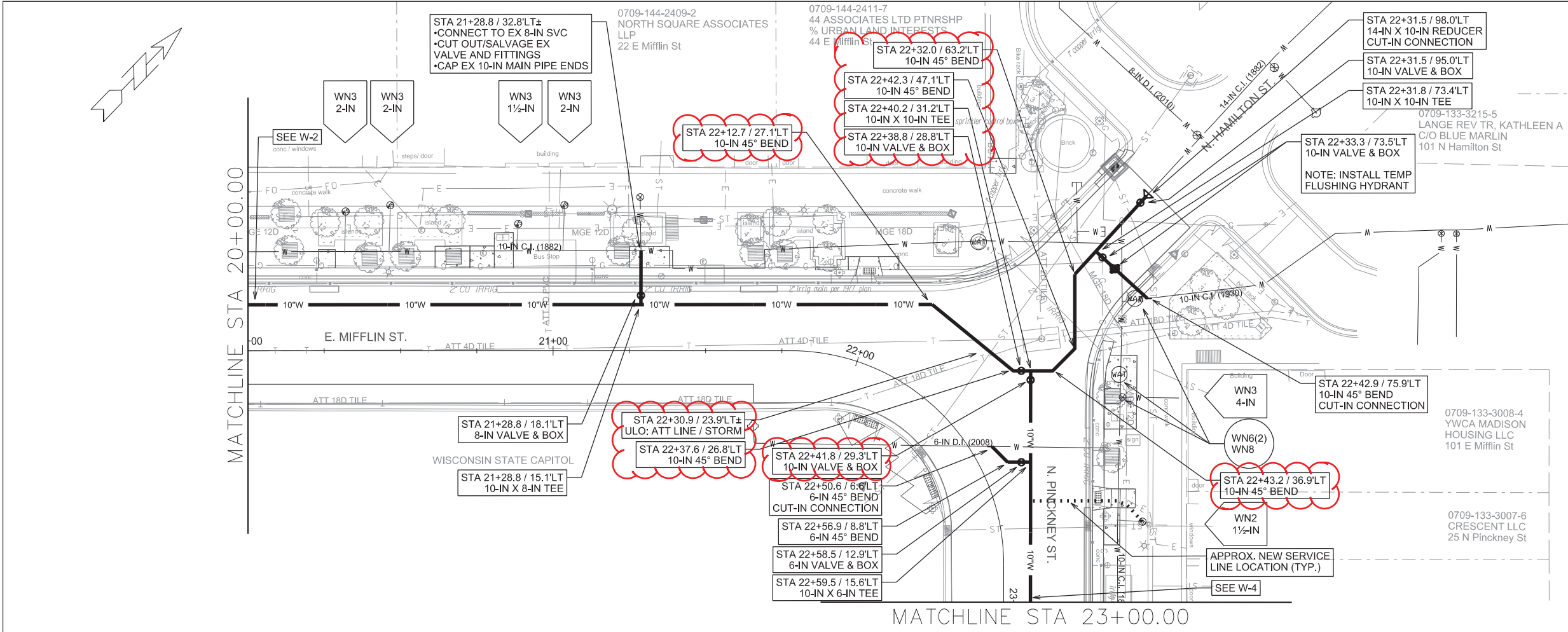


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

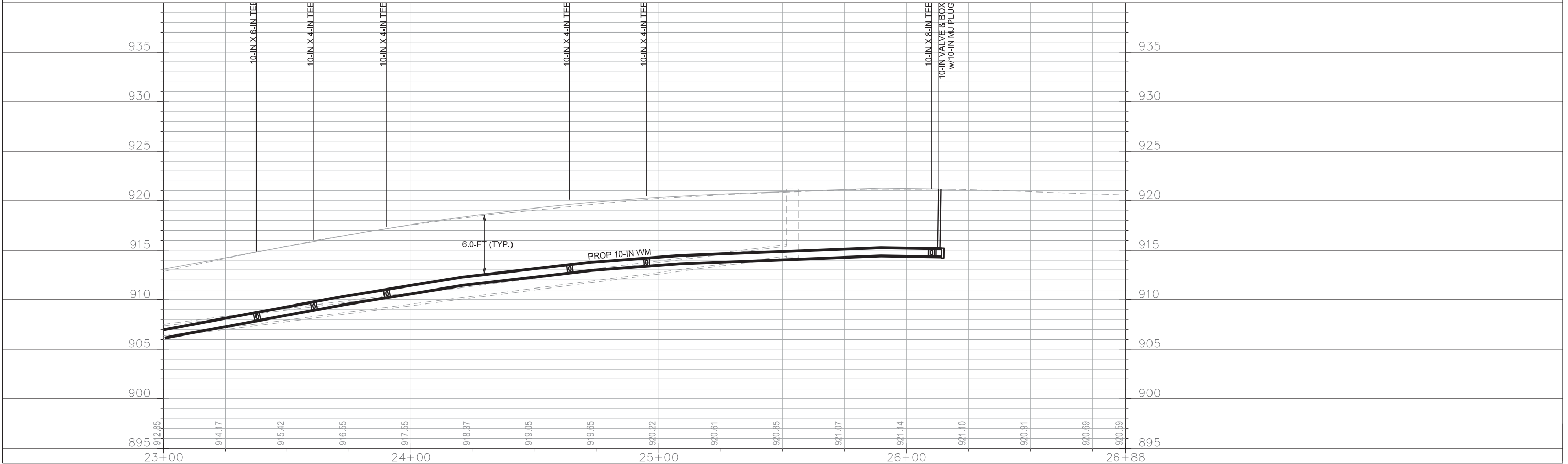
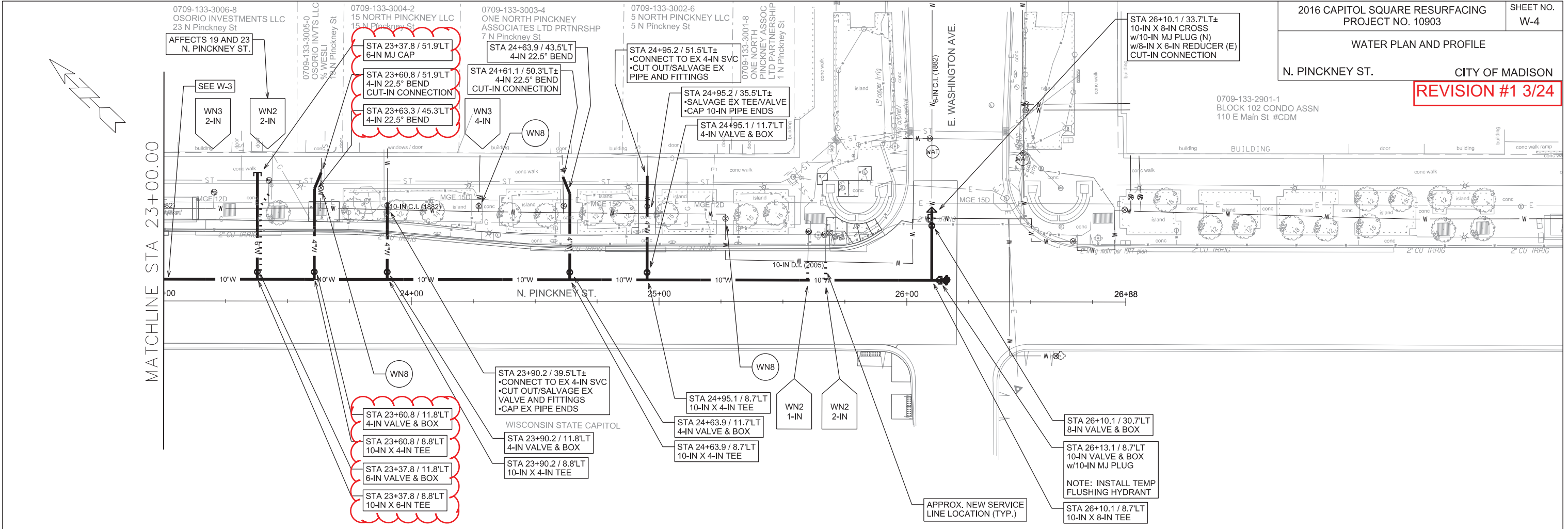


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

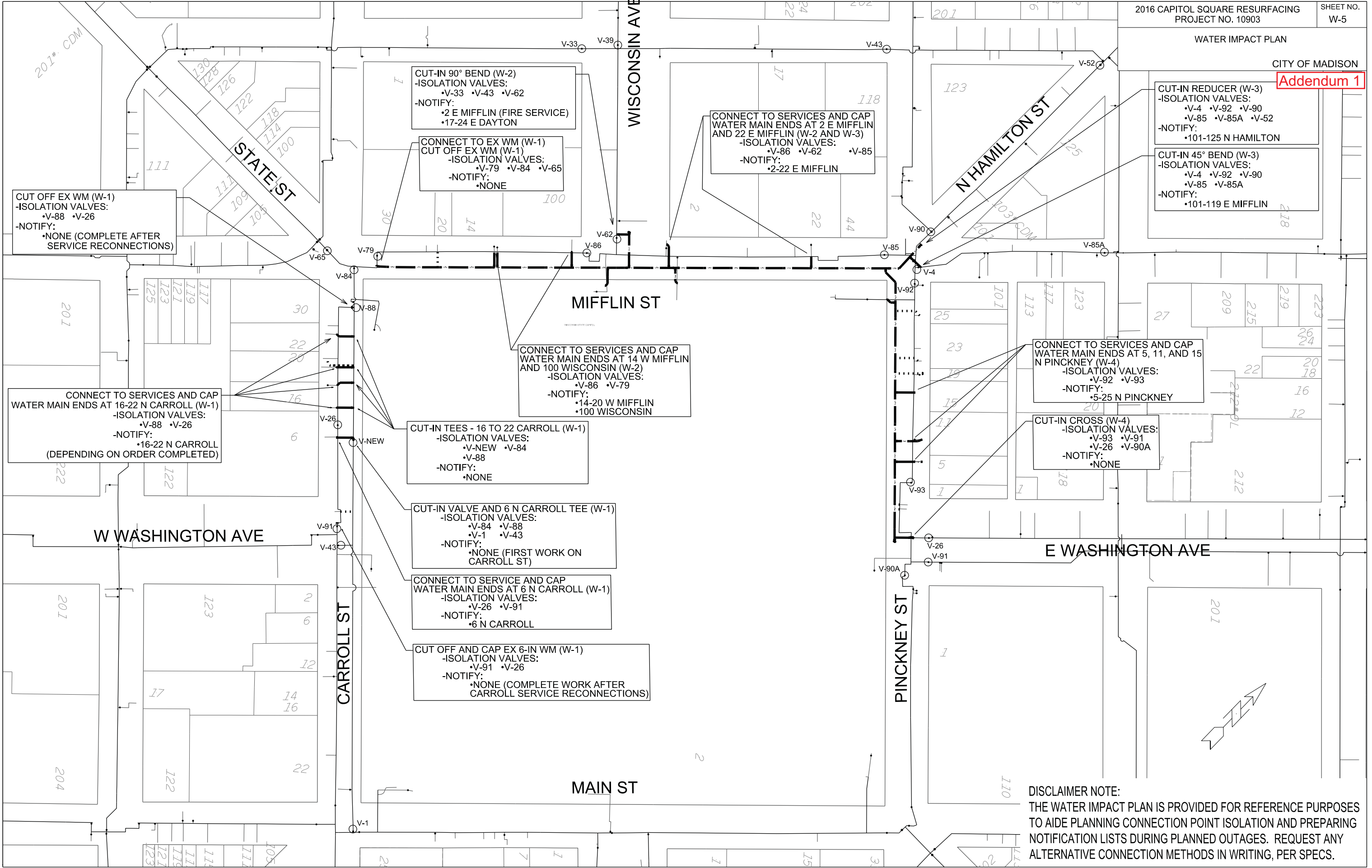
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN

CITY OF MADISON

Addendum 1



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/SALVAGED*:

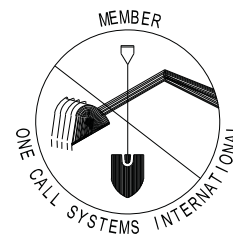
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. COPPER PIPING AND STYROFOAM INSULATION NOT INCLUDED

WATER MAINS	TOTAL
4-IN PIPE (LF)	270
6-IN PIPE (LF)	150
8-IN PIPE (LF)	100
10-IN PIPE (LF)	1360
POLY WRAP	1500
4-IN VALVES & BOXES	8
6-IN VALVES & BOXES	6
8-IN VALVES & BOXES	4
10-IN VALVES & BOXES	11
4-IN - 22.5° BENDS	2
4-IN - 45° BENDS	6
6-IN - 45° BENDS	4
8-IN - 45° BENDS	2
10-IN - 45° BENDS	4
6-IN - 90° BENDS	1
10-IN X 4-IN TEES	8
10-IN X 6-IN TEES	6
10-IN X 8-IN TEES	4
10-IN X 10-IN TEES	3
10-IN X 8-IN CROSSES	1
6-IN MJ PLUGS	1
10-IN MJ PLUGS	4
6-IN CAPS	8
10-IN CAPS	12
8-IN X 6-IN REDUCER	1
14-IN X 10-IN REDUCER	1
5-IN (TEMP) HYDRANTS	3
SALVAGED MATERIALS	TOTAL
4-IN VALVES	4
6-IN VALVES	2
8-IN VALVES	2
10-IN X 4-IN TEES	3
10-IN X 6-IN TEES	1
4-IN PIPE	100

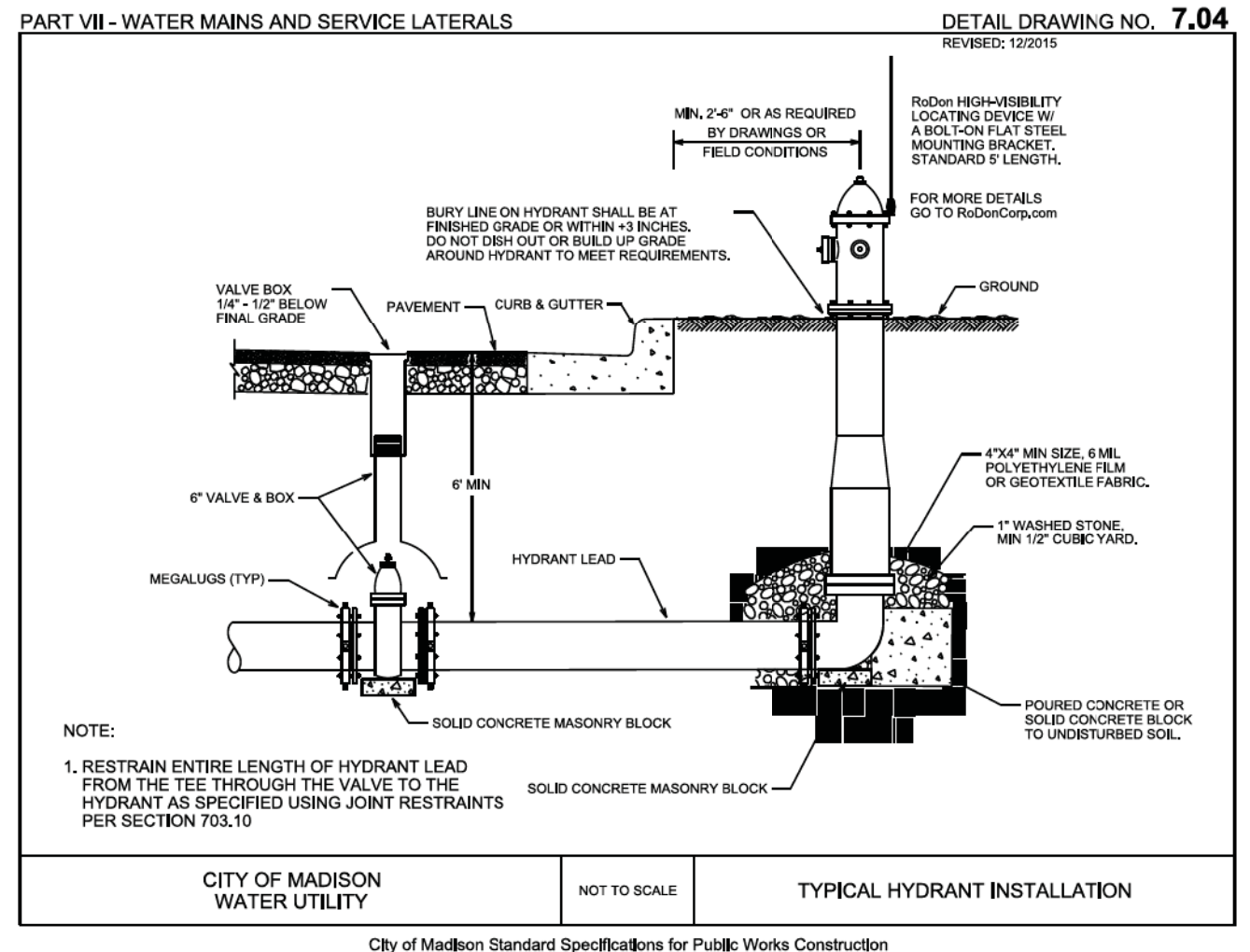
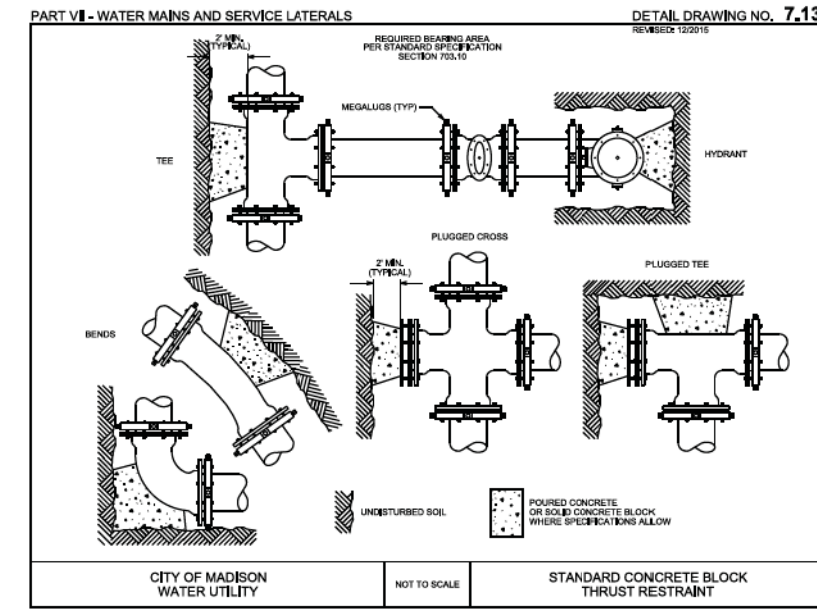
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



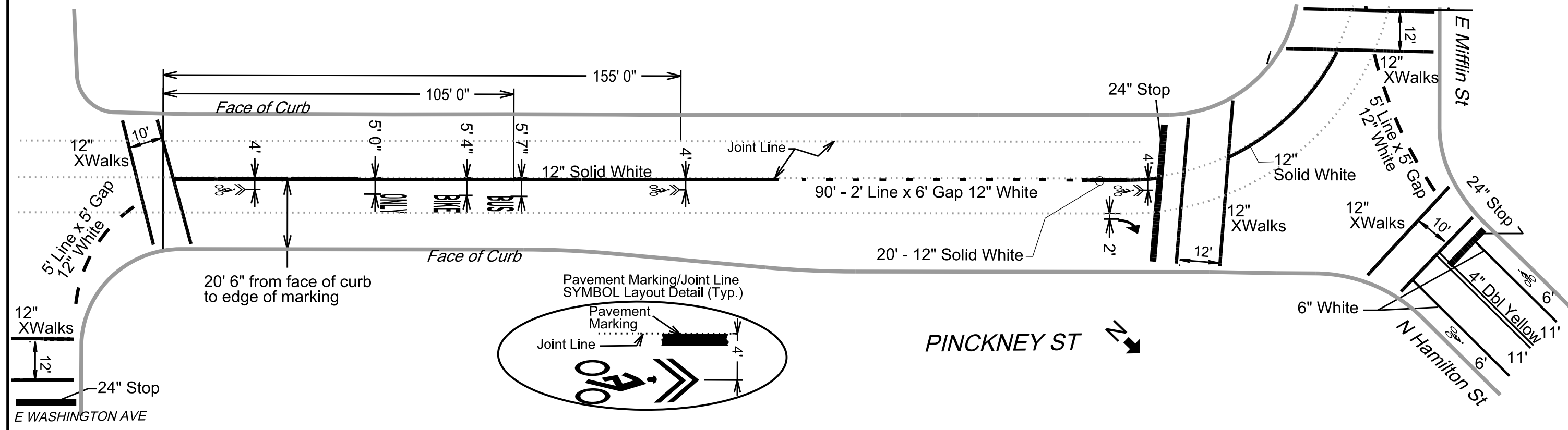
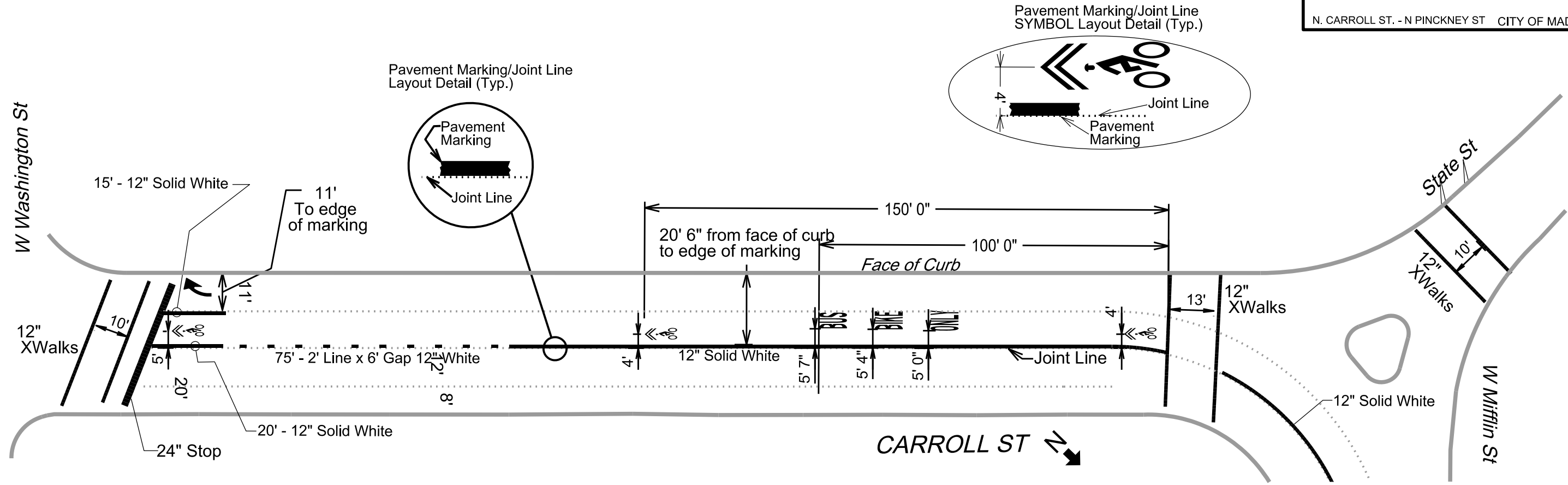
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

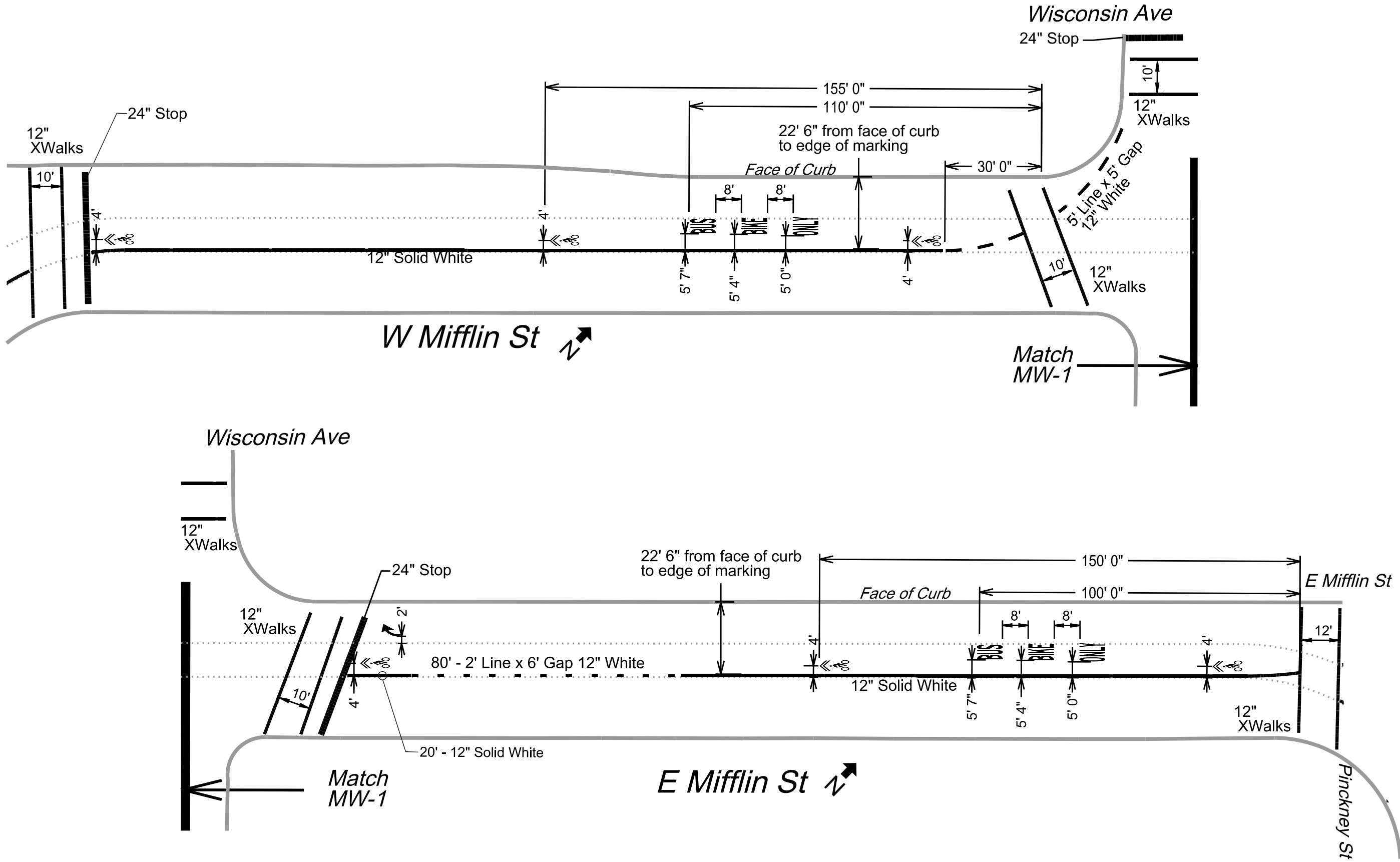


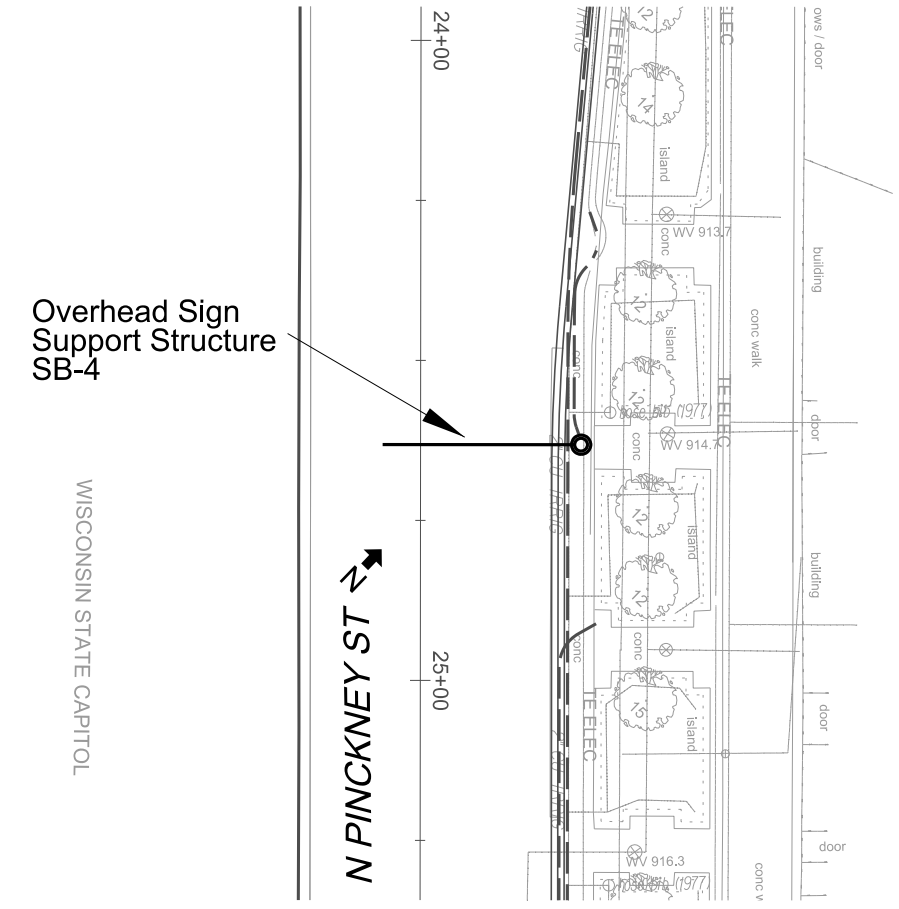
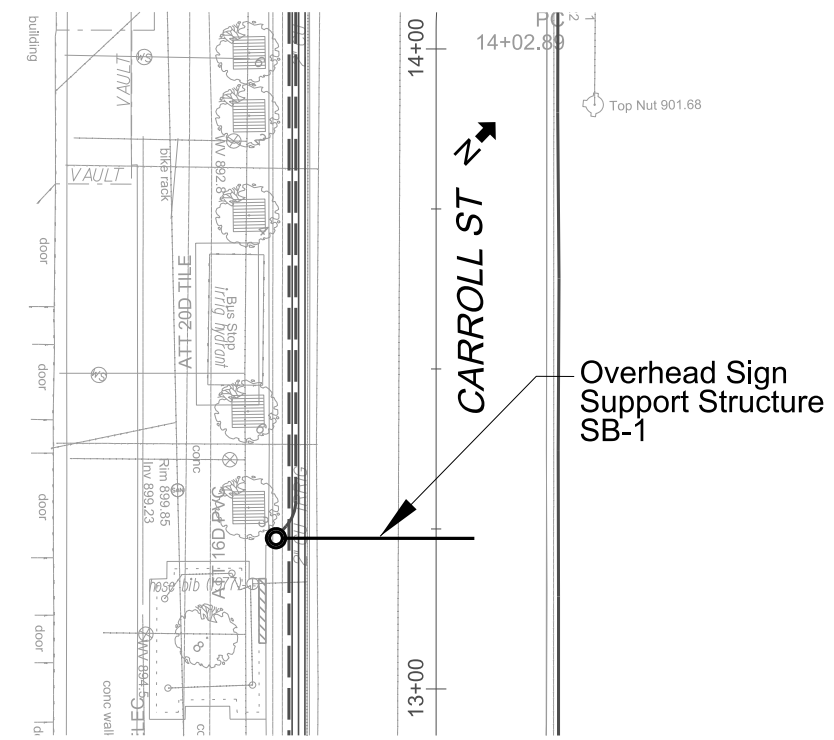
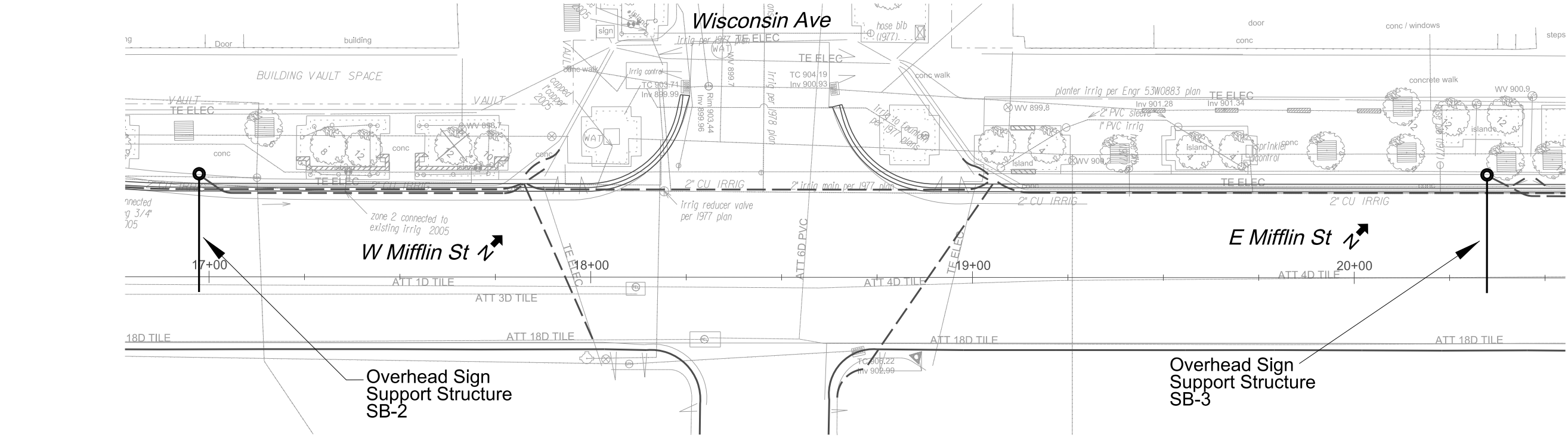
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





PLOT SCALE:

PLOT NAME:











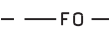
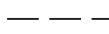

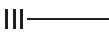
REV. DATE:

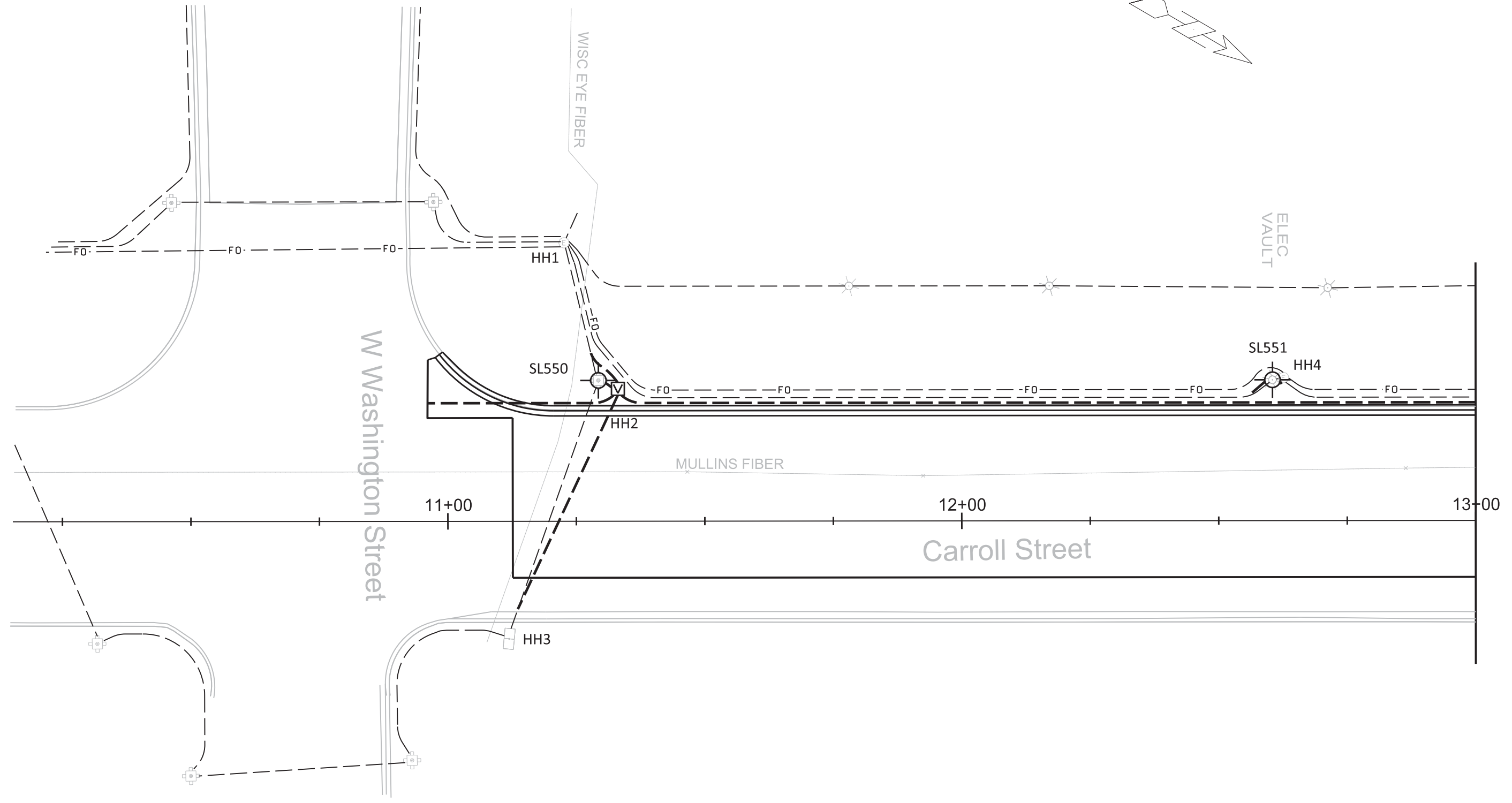
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

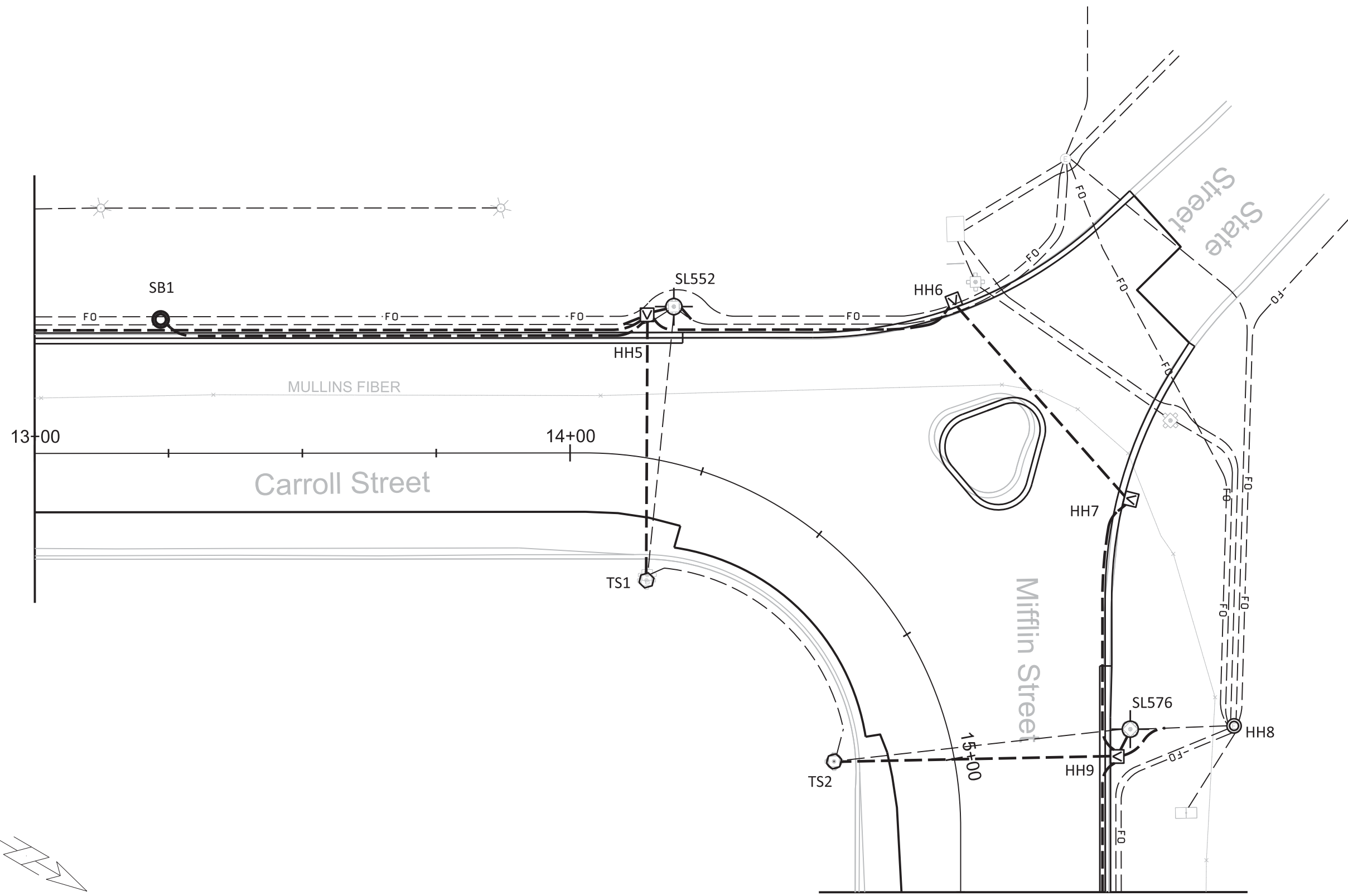
GENERAL ELECTRICAL NOTES:

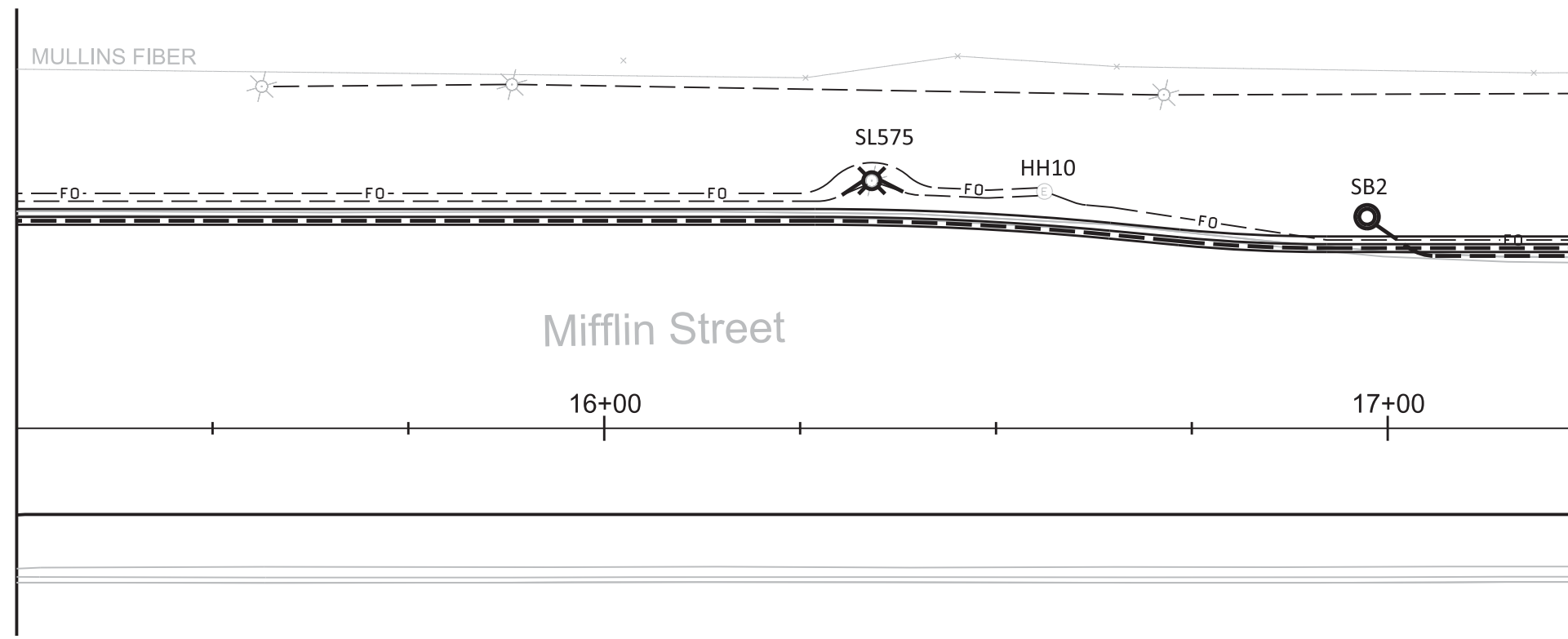
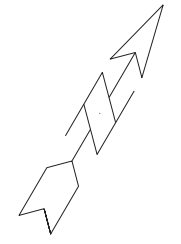
1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY BRIAN SMITH (261-9625) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2015 EDITION AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC SCHEDULE 80. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES, INSTALLING HANDHOLES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
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.
4. EXISTING TRAFFIC SIGNAL CONDUITS CROSSING FROM THE OUTSIDE TO THE INSIDE OF THE CAPITOL SQUARE ARE TO BE MAINTAINED UNTIL TEMPORARY TRAFFIC SIGNALS ARE INSTALLED AND OPERATIONAL. ALL OTHER TRAFFIC SIGNAL, STREET LIGHTING, AND COMMUNICATION CONDUITS ARE TO REMAIN THROUGHOUT THE CONSTRUCTION.

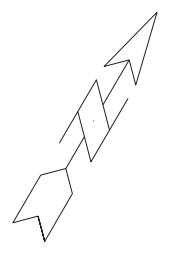
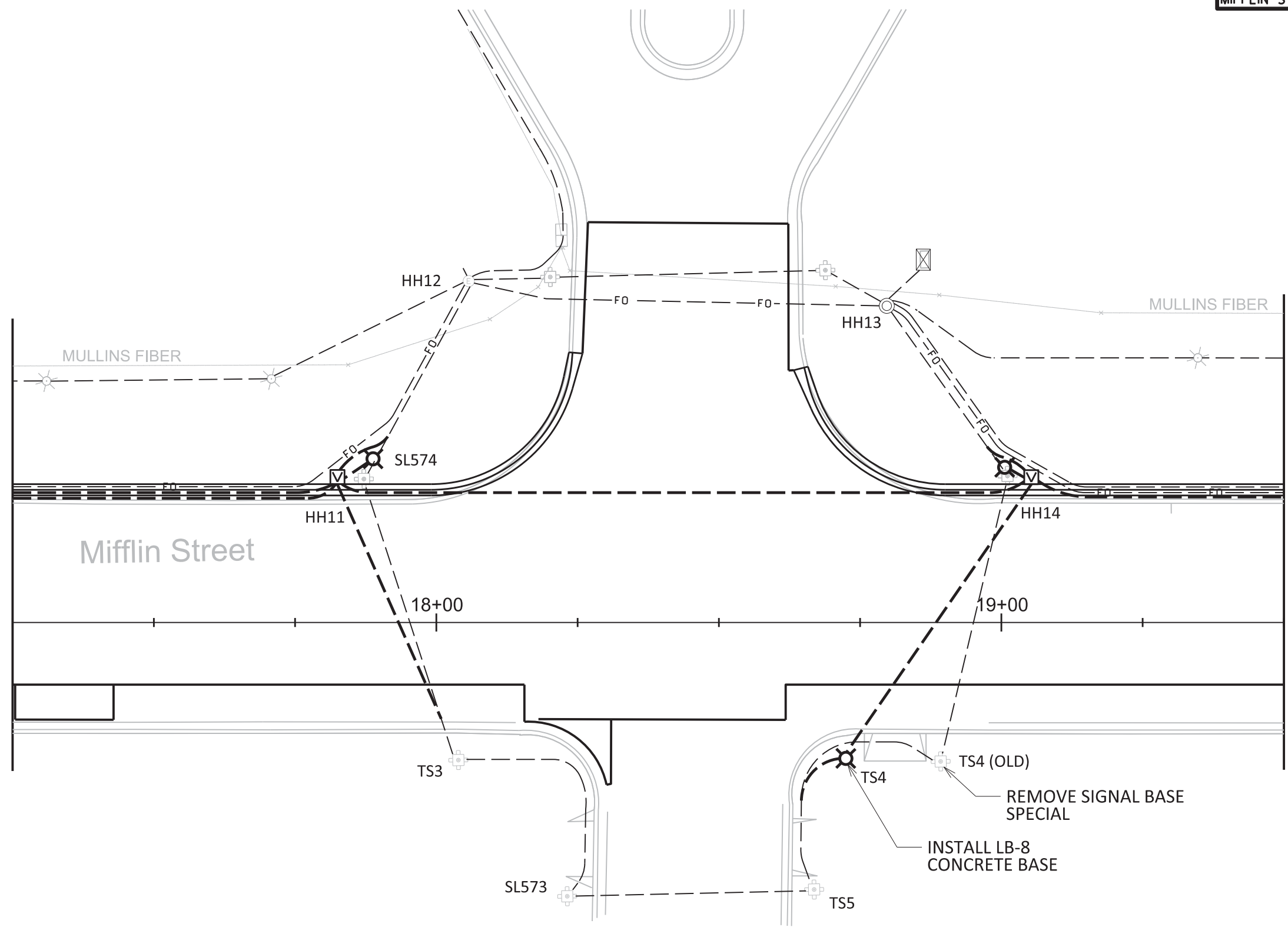
LEGEND

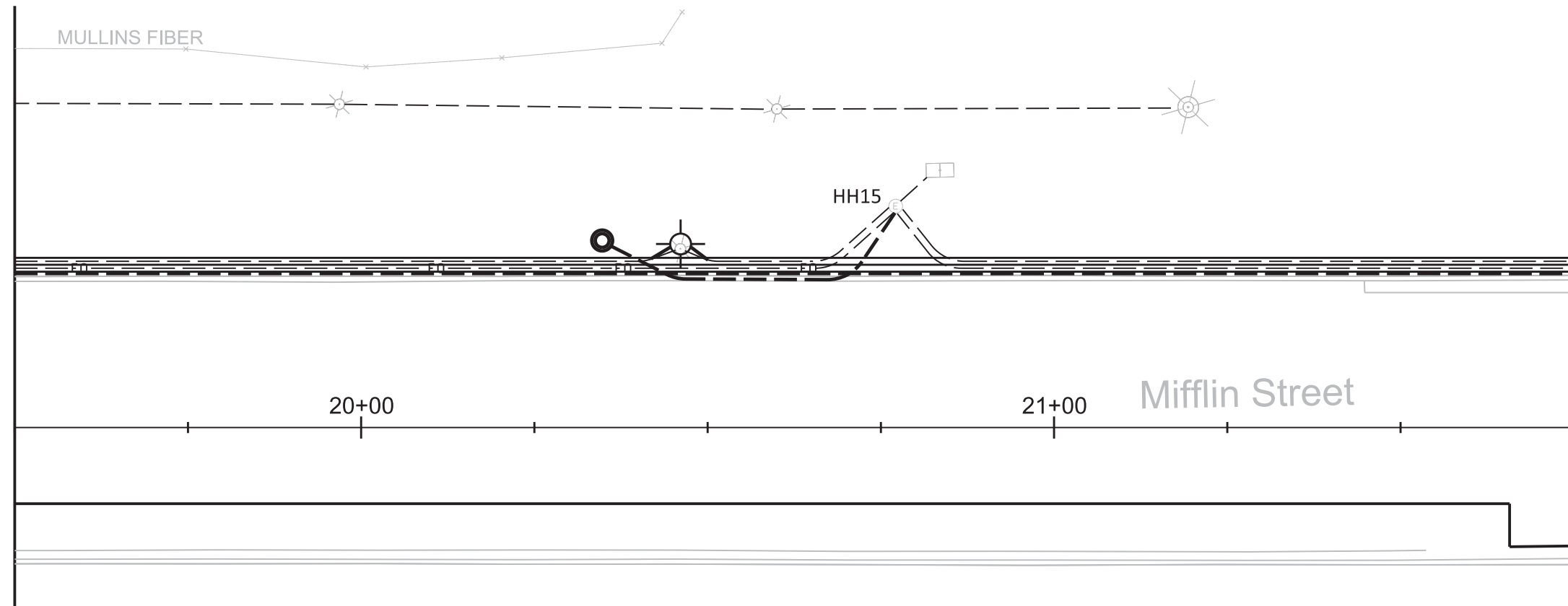
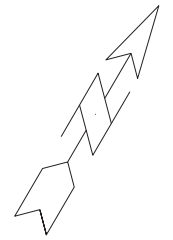
-  EXISTING TRAFFIC SIGNAL/LIGHT POLE BASE
-  EXISTING LIGHT POLE BASE
-  SIGN POLE STRUCTURE BASE
-  CONSTRUCT TYPE "G" BASE
-  CONSTRUCT LB-3 MODIFIED BASE UNLESS NOTED AS OTHER
-  TEMPORARY WOOD POLE FOR TRAFFIC SIGNAL
-  TEMPORARY WOOD POLE WITH ARM AND 250 W HPS LUMINAIRE
-  CONSTRUCT ELECTRICAL HANDHOLE TYPE 1
-  CONSTRUCT ELECTRICAL HANDHOLE TYPE 5
-  CONSTRUCT ELECTRICAL HANDHOLE TYPE 7
-  EXISTING CONDUIT WITH FIBER OPTIC CABLE
-  EXISTING TRAFFIC SIGNAL/STREET LIGHTING CABLE
-  FURNISH AND INSTALL PVC CONDUIT SCHEDULE 80, SIZE NOTED IN MISC QUANTITY TABLES
-  TEMPORARY OVERHEAD STREET LIGHTING CABLES

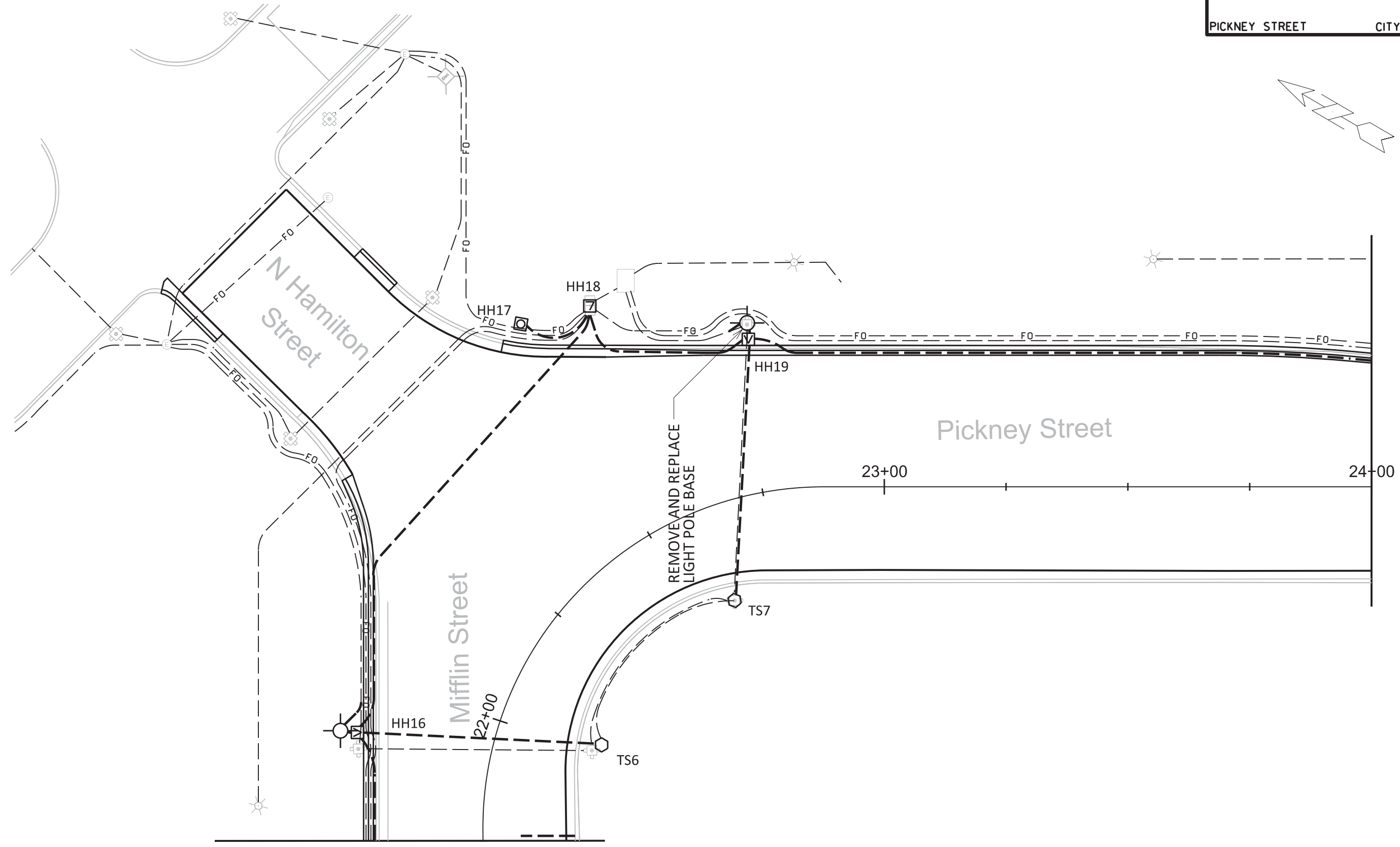


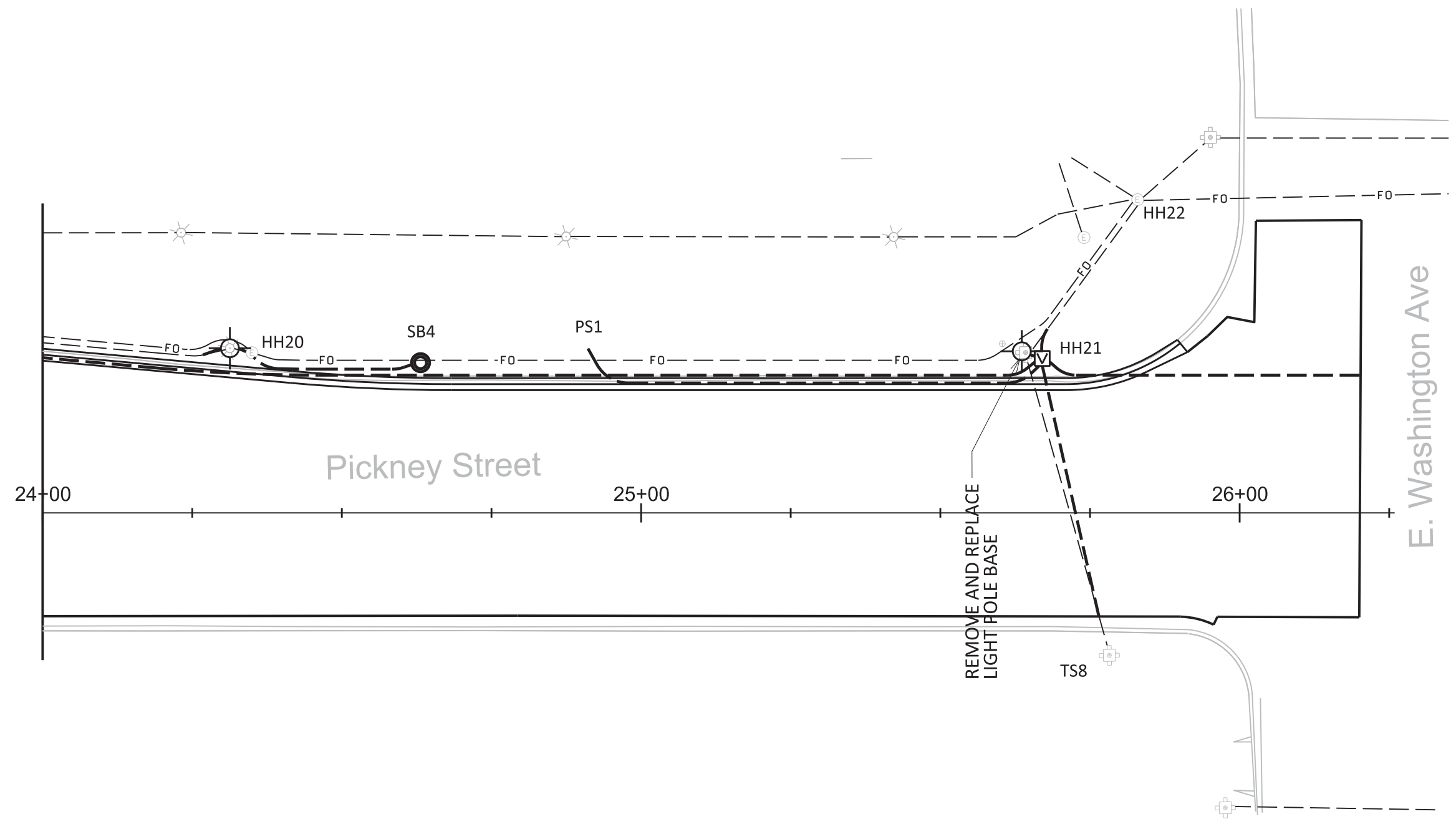
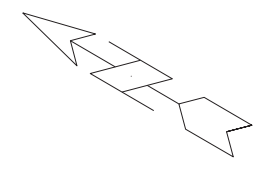


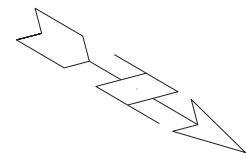




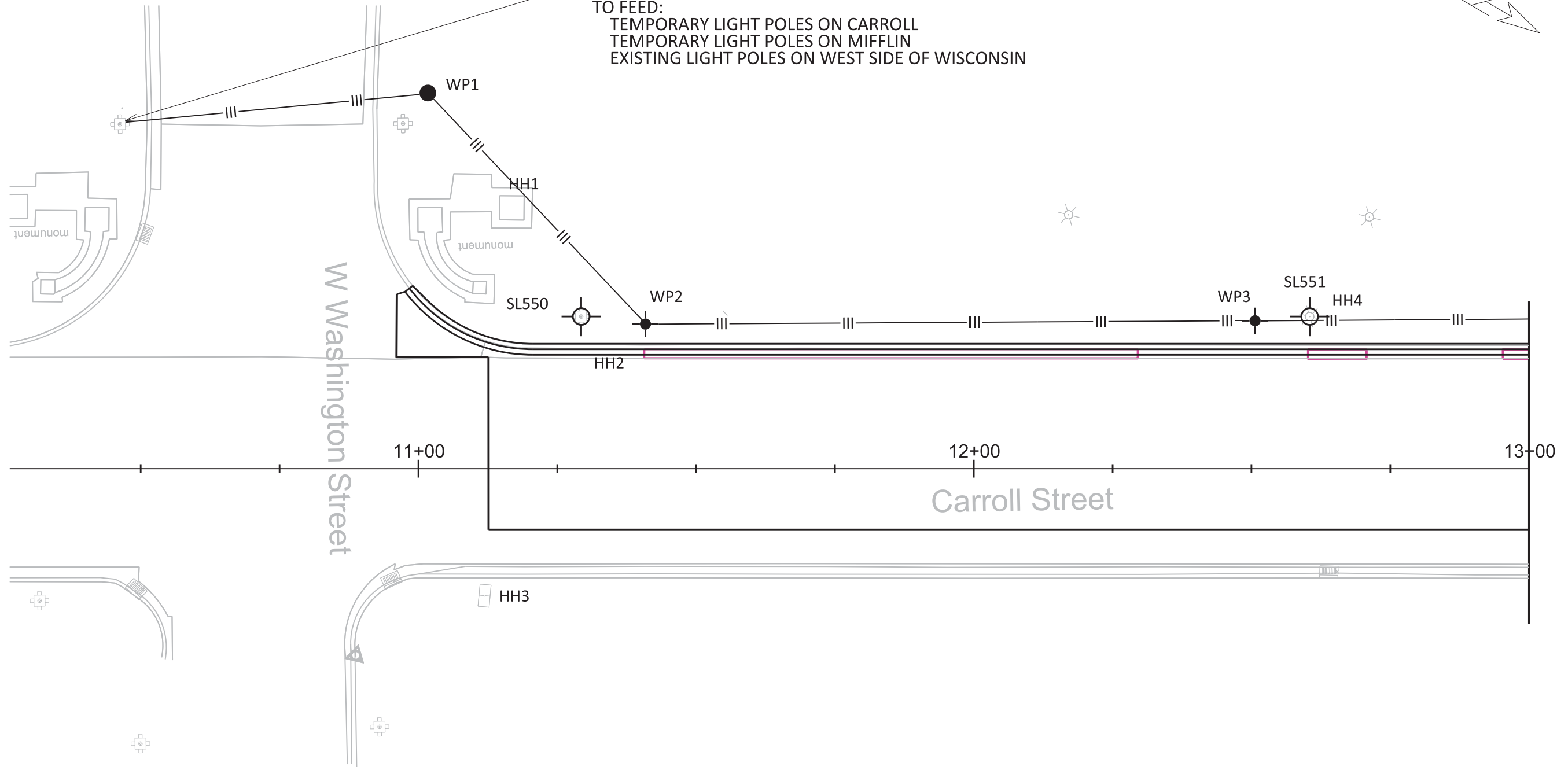


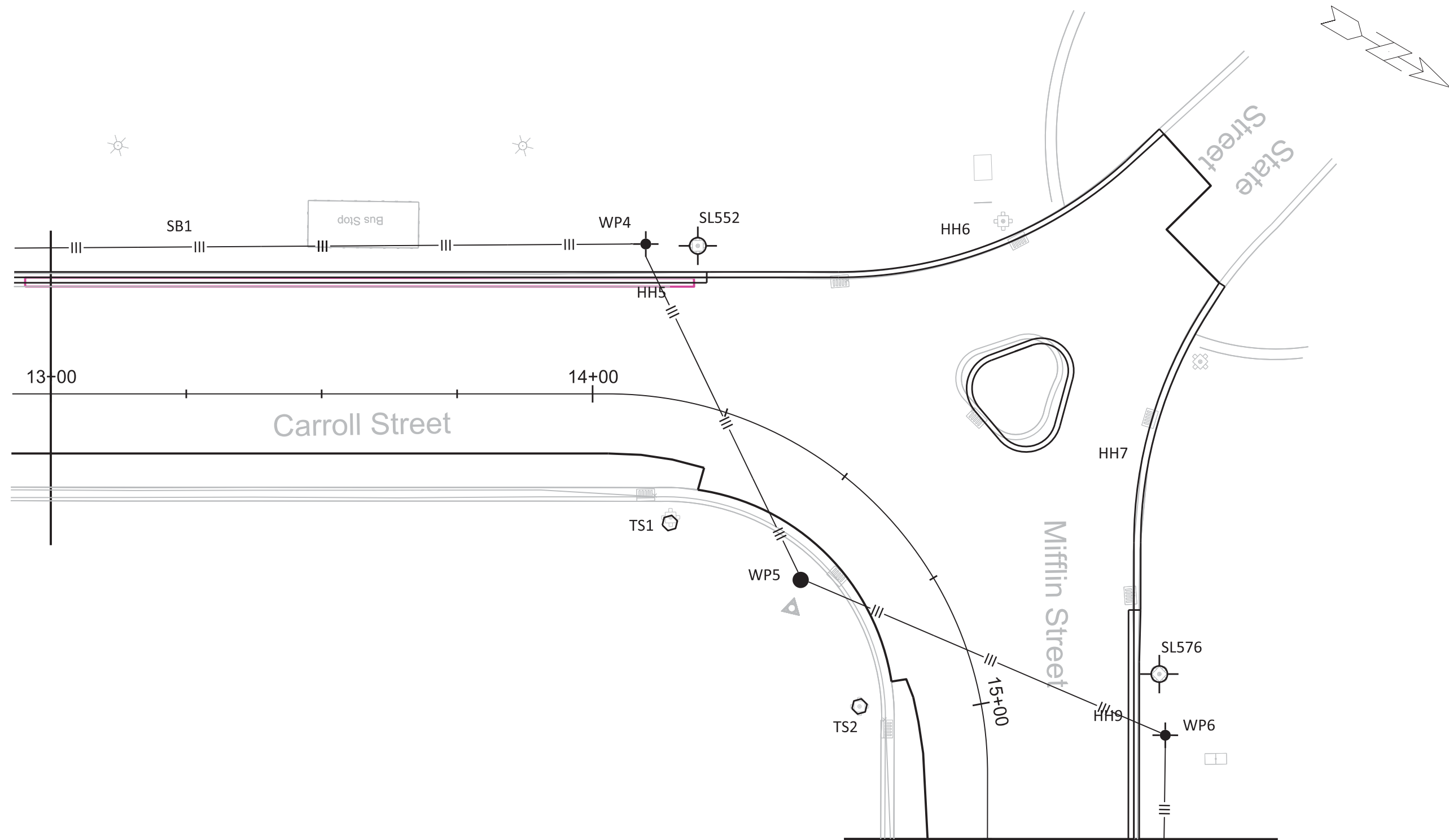


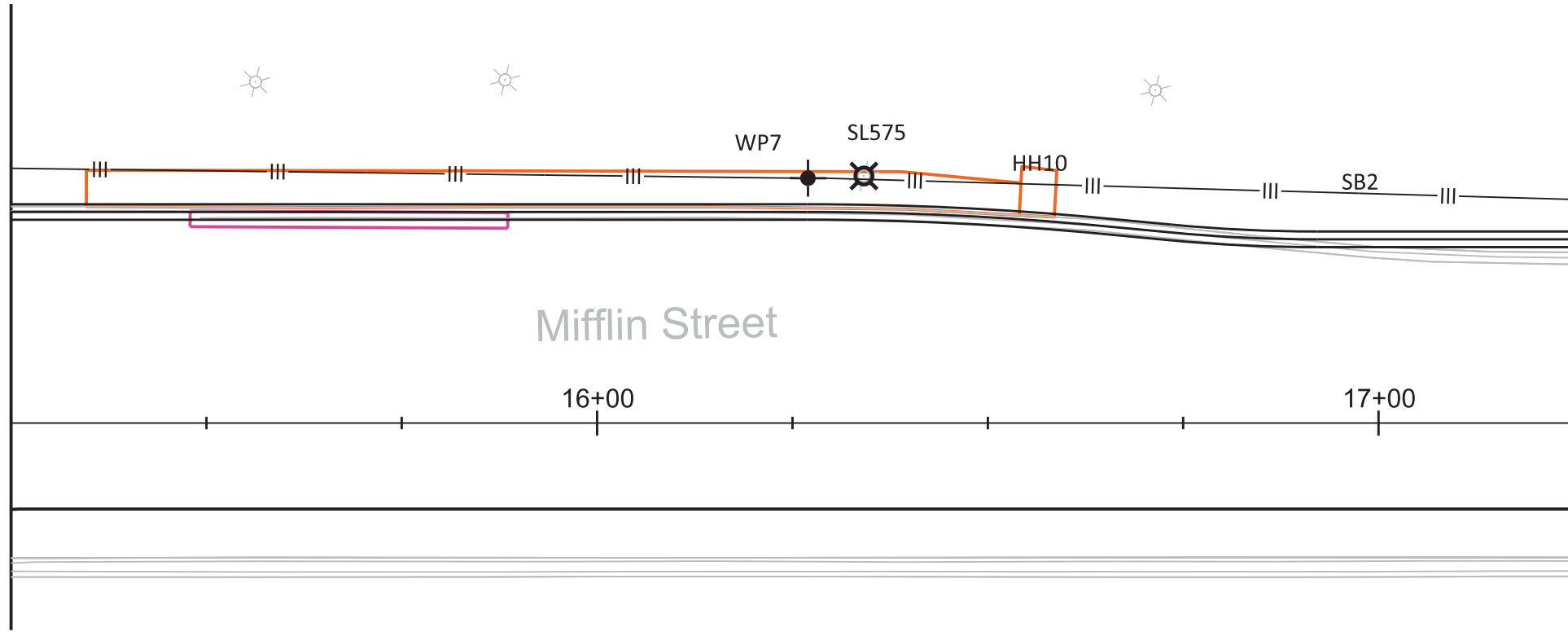
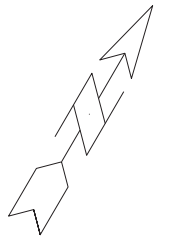


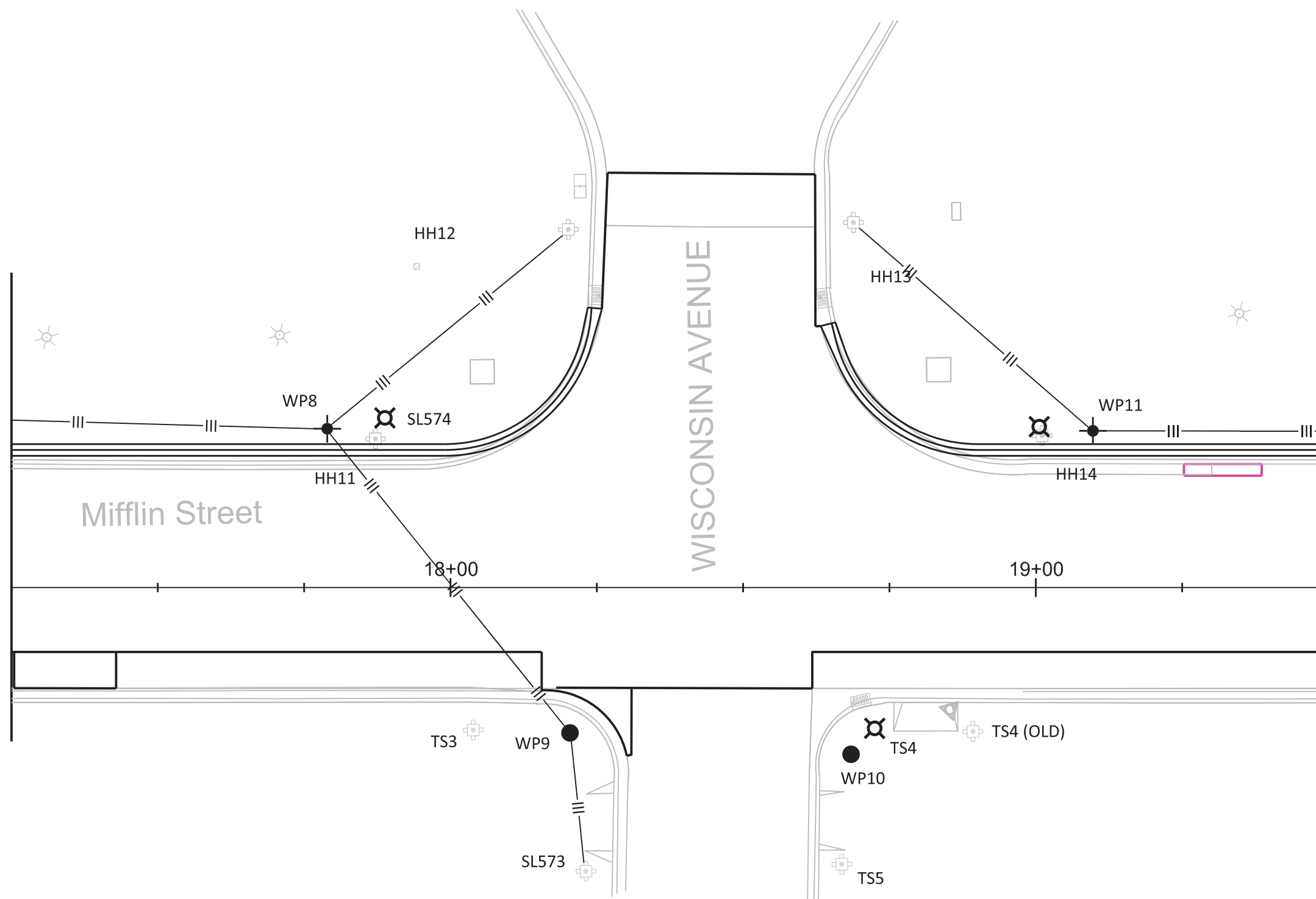


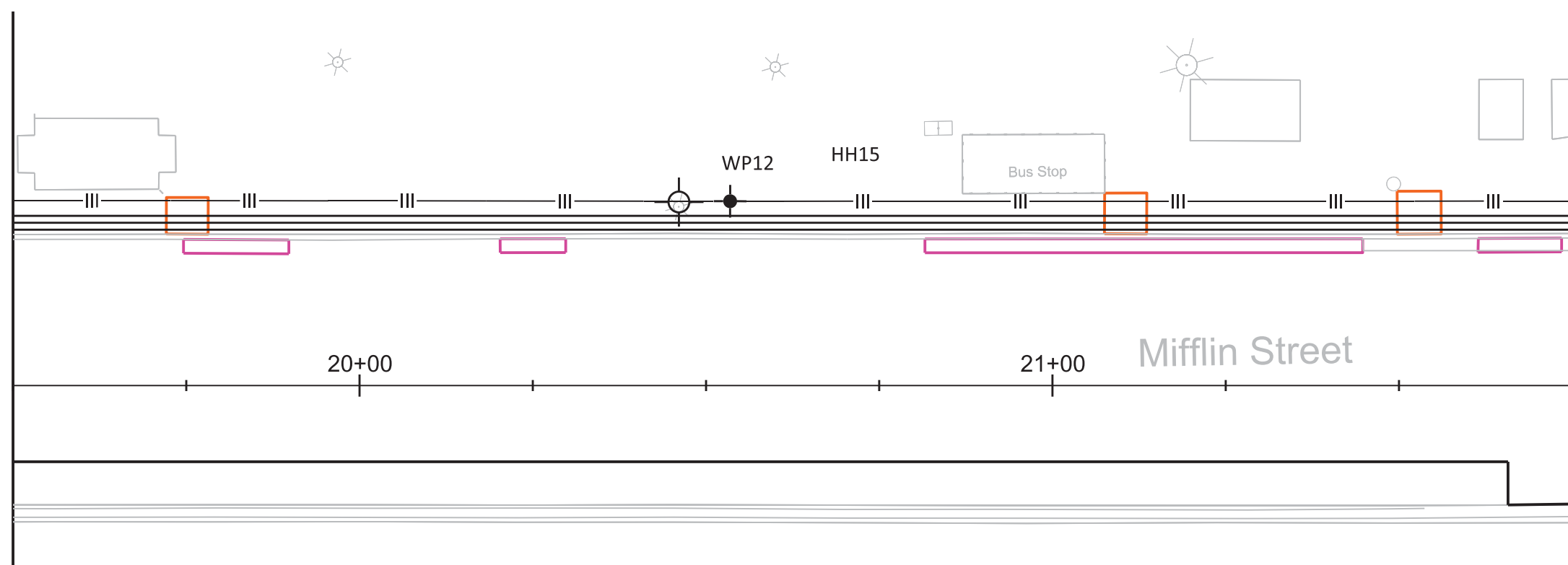
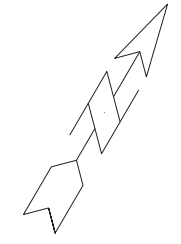
CONNECT TO EXISTING STREET LIGHT POWER AT POLE SL500-1
TO FEED:
TEMPORARY LIGHT POLES ON CARROLL
TEMPORARY LIGHT POLES ON MIFFLIN
EXISTING LIGHT POLES ON WEST SIDE OF WISCONSIN



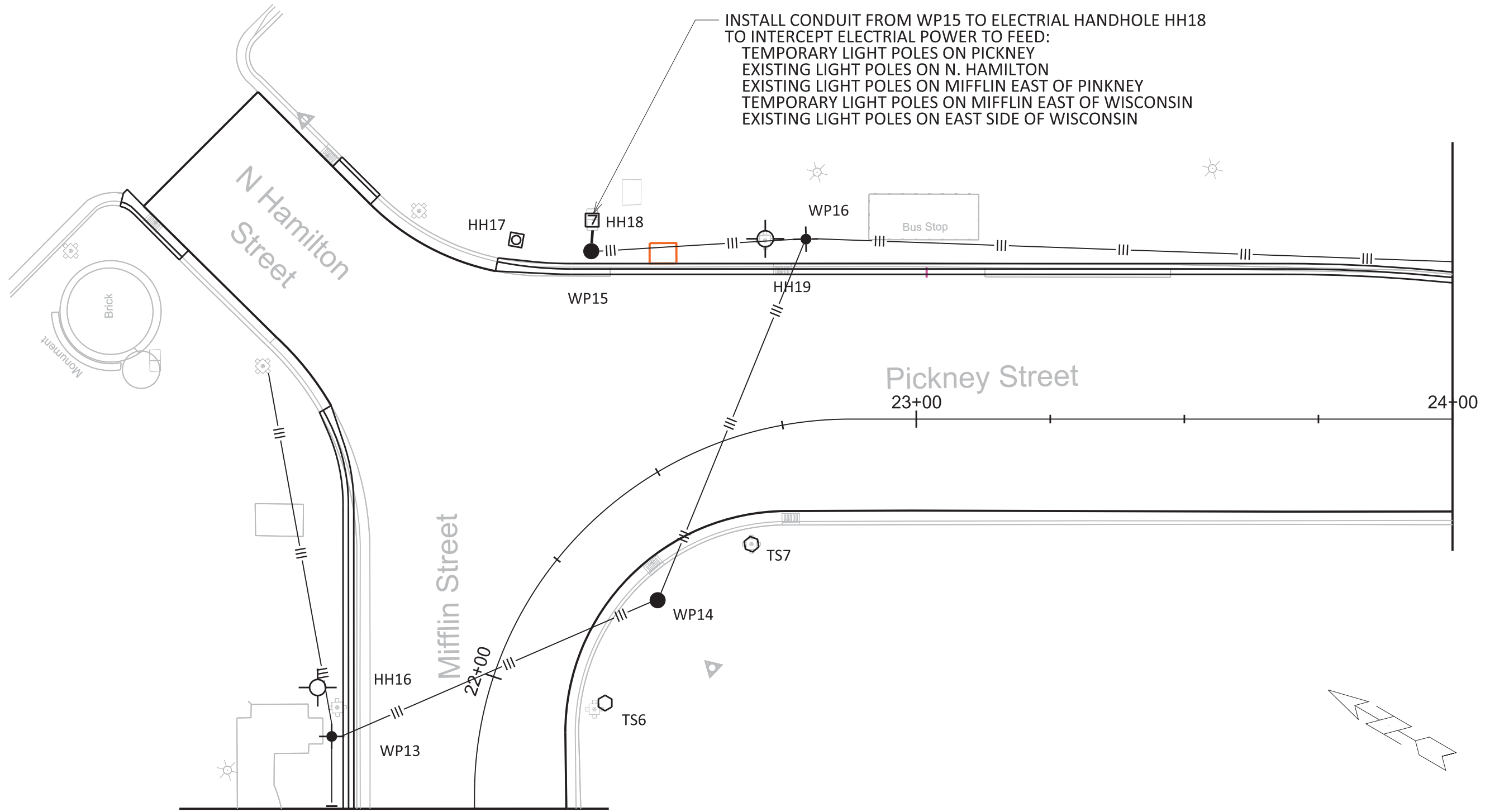


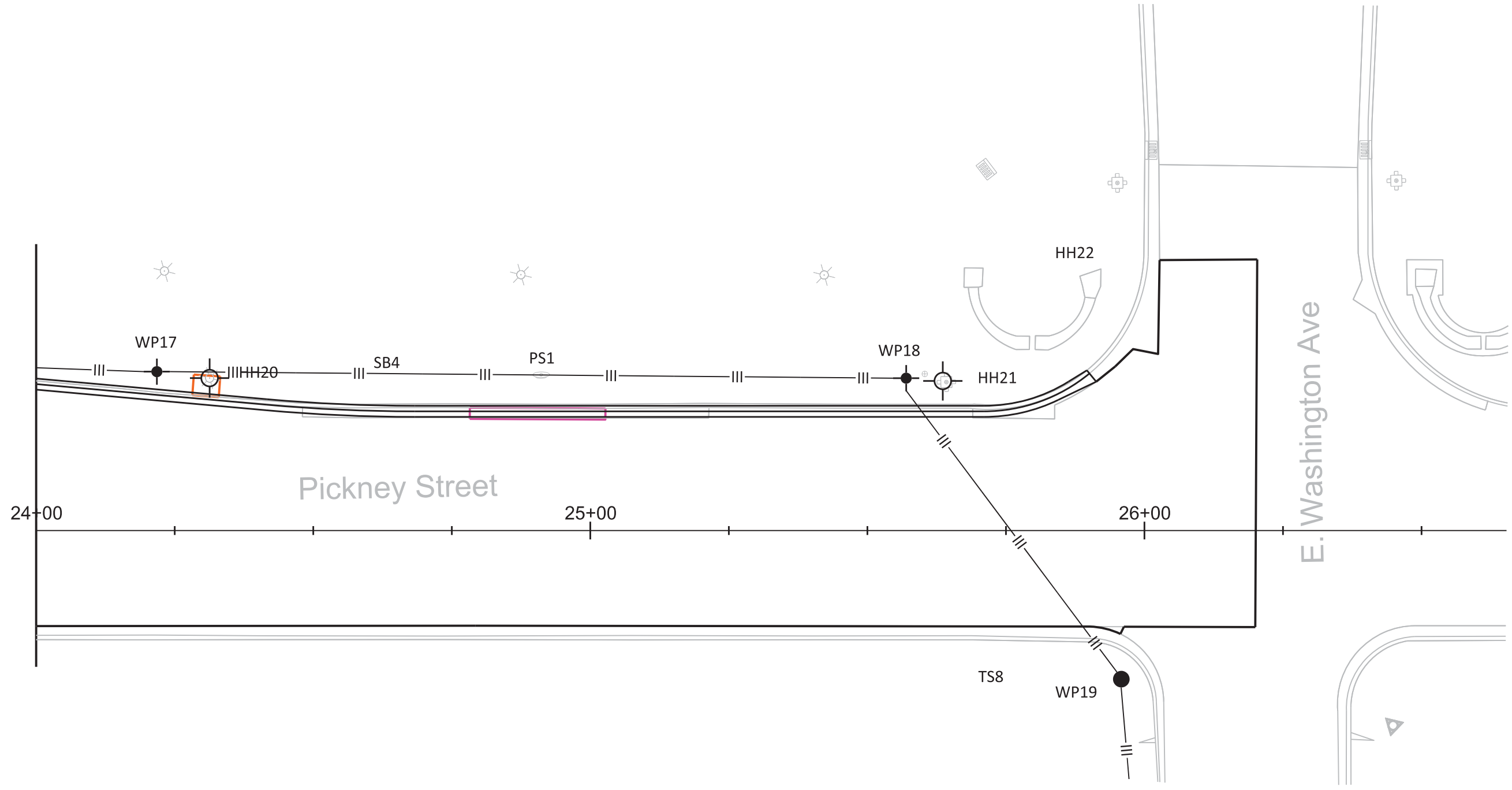
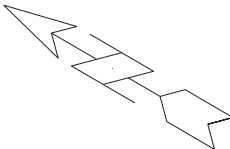


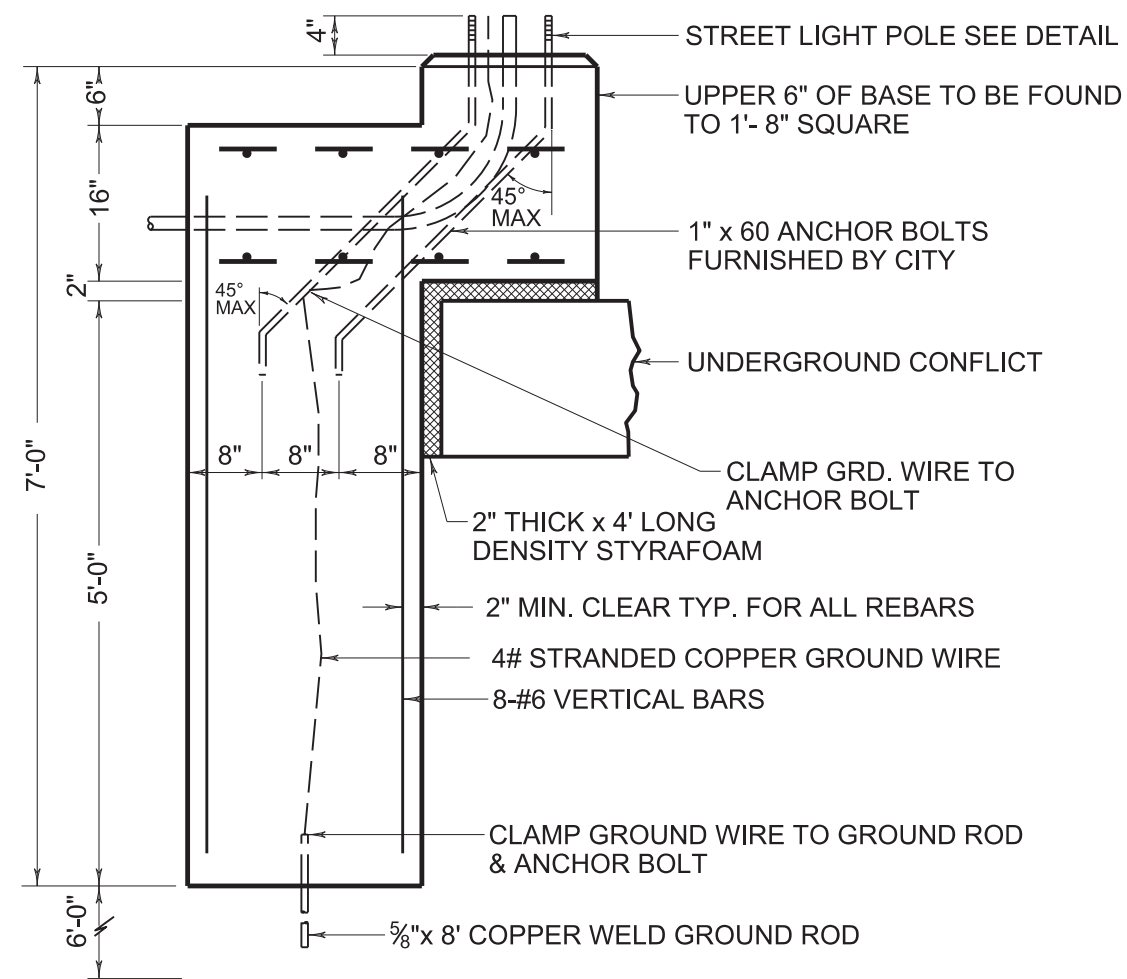
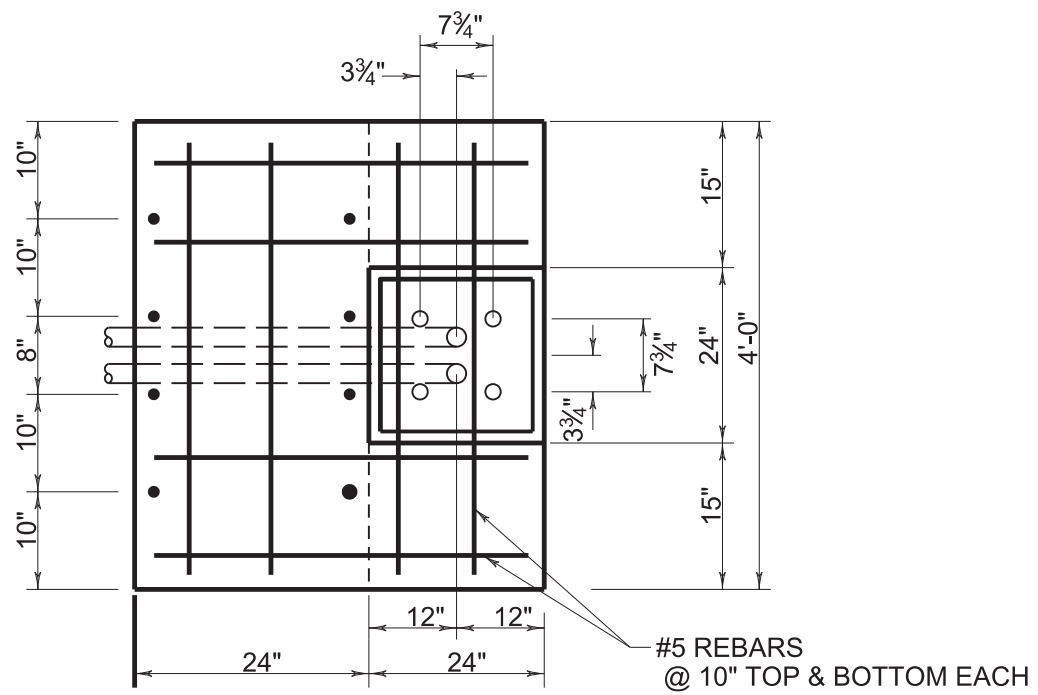




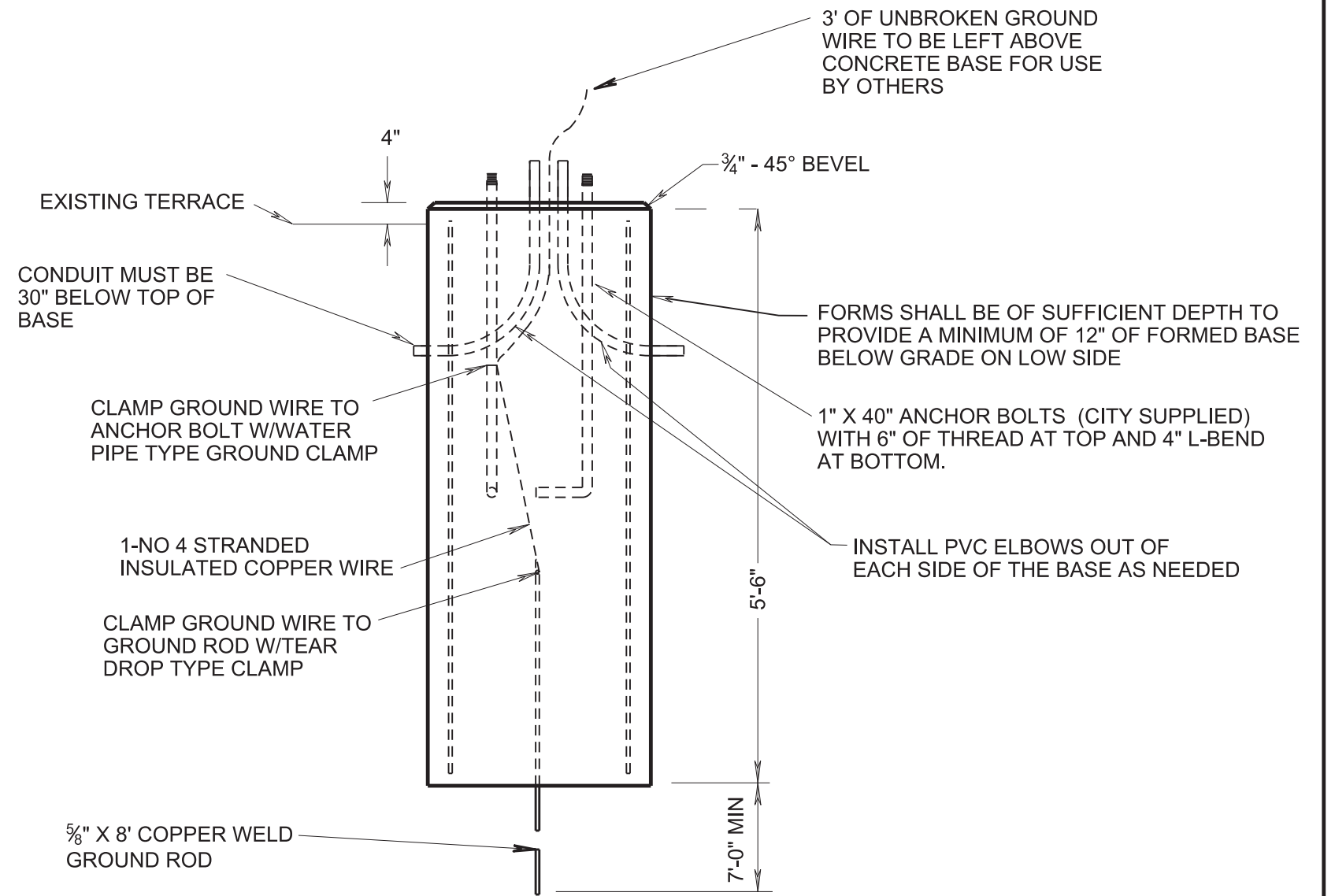
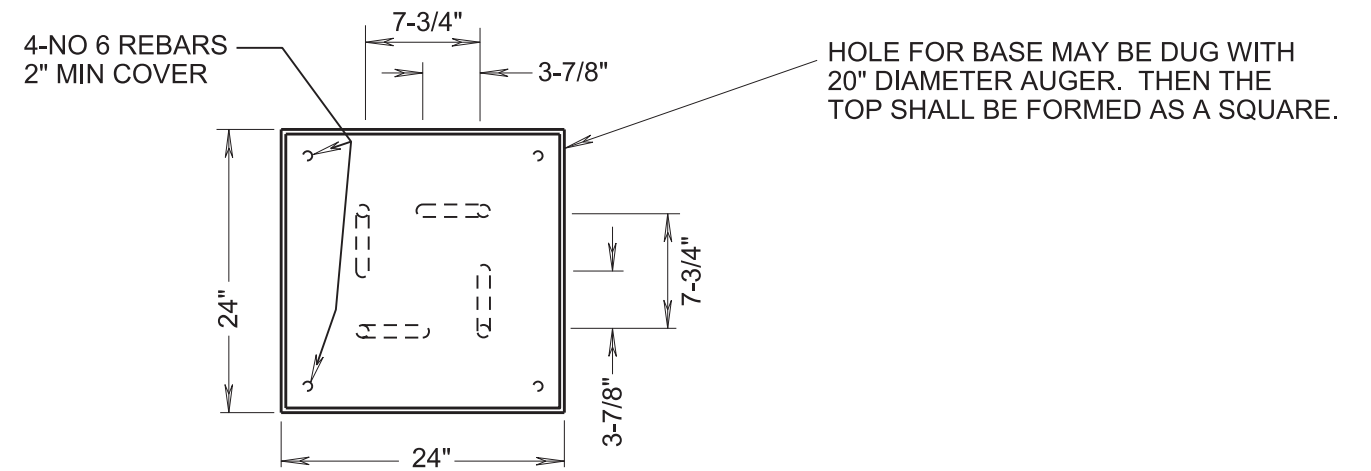
INSTALL CONDUIT FROM WP15 TO ELECTRICAL HANDHOLE HH18 TO INTERCEPT ELECTRICAL POWER TO FEED:
TEMPORARY LIGHT POLES ON PICKNEY
EXISTING LIGHT POLES ON N. HAMILTON
EXISTING LIGHT POLES ON MIFFLIN EAST OF PINKNEY
TEMPORARY LIGHT POLES ON MIFFLIN EAST OF WISCONSIN
EXISTING LIGHT POLES ON EAST SIDE OF WISCONSIN



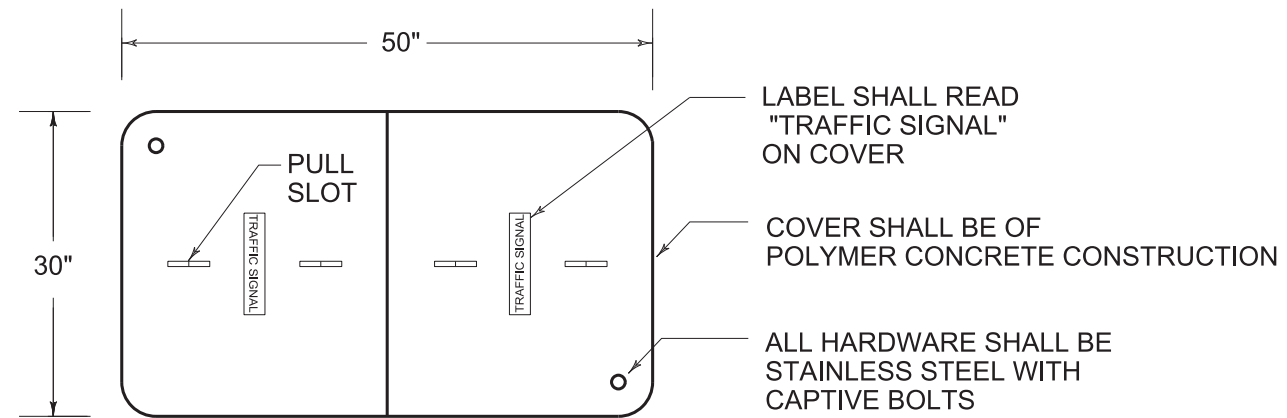




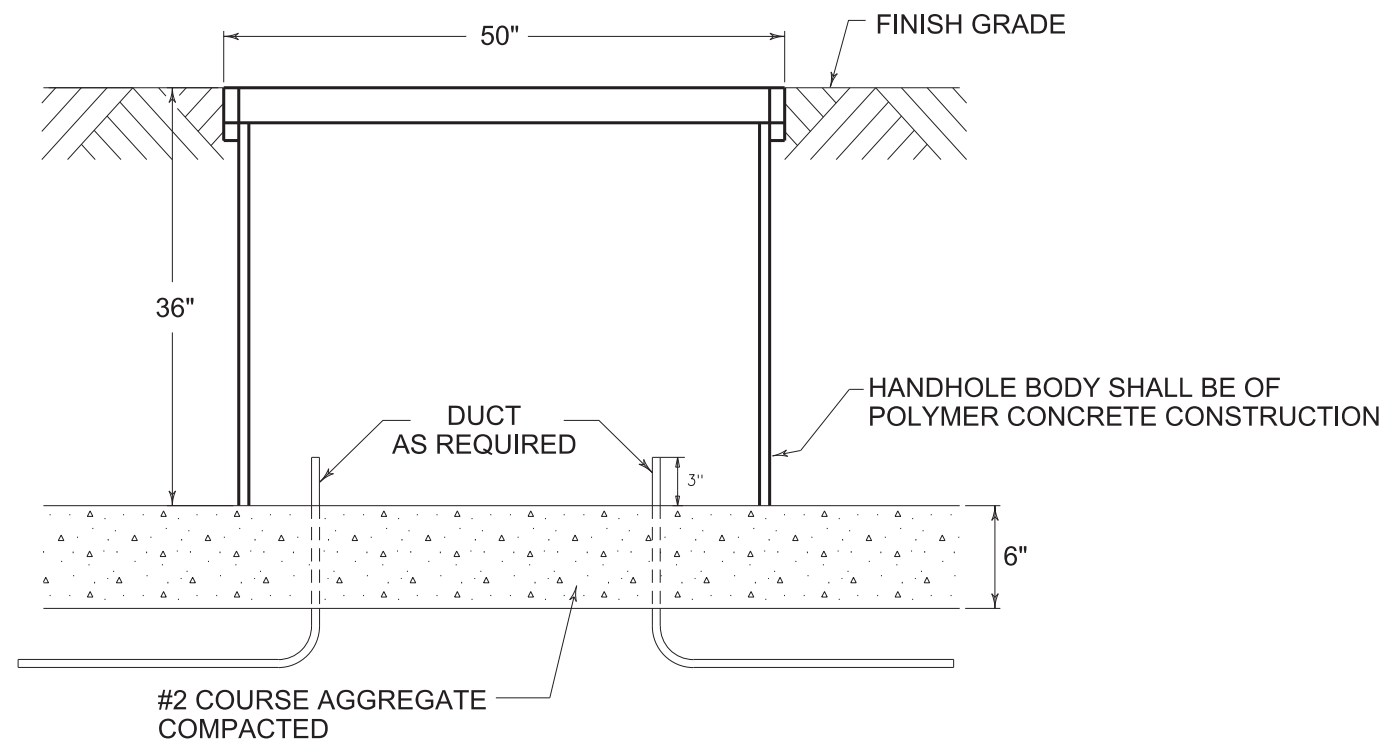
OFFSET MODIFIED STREET LIGHT BASE



LB-3 MODIFIED BASE



*15,000 LBS MAXIMUM LOAD OVER A 10" X 10"
TEST AREA RATING FOR COVER AND BOX



ELECTRICAL HANDHOLE TYPE 7

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

FILE NAME: M:\DESIGN\Projects\10903\Traffic\Design\10903TE-Electrical\Misc-Quantities.dgn

DATE: 02/04/2016

FROM	TO	60222	60226	60230	60241	60261	COMMENT
		FURNISH AND INSTALL PVC (SCHEDULE 80) CONDUIT			GOPHER RACEWAY FOR ELECTRIAL CONDUIT		
		2" (LF)	2 1/2" (LF)	3" (LF)	(LF)	(LF)	
HH1	HH2	-	8	-	-	8	1-2 1/2" *
SL550	HH2	-	-	4	-	4	1-3"
SPROJ LIMIT	HH2	-	-	78	-	39	2-3"
HH2	HH3	-	48	48	-	48	1-3" & 1-2 1/2" *
HH2	HH6	-	-	572	-	286	2-3"
HH2	SL551	5	-	-	-	5	1-2" *
SL551	HH4	-	-	3	-	3	1-3"
SB1	HH5	97	-	-	-	-	1-2"
HH5	HH6	-	-	126	-	63	2-3"
HH5	SL552	-	-	5	-	5	1-3"
SL552	HH6	4	-	-	-	5	1-2" *
HH5	TS1	-	-	50	5	45	1-3"
TS1	TS2	-	3	-	-	3	1-2 1/2" *
HH6	HH7	-	-	98	-	49	2-3"
HH7	HH9	-	-	104	-	52	2-3"
HH9	SL576	-	-	6	-	6	1-3"
HH9	HH8	-	9	-	-	9	1-2 1/2" *
HH9	TS2	-	-	53	5	48	1-3"
TS2	TS1	-	3	-	-	3	1-2 1/2" *
HH9	HH11	-	-	578	-	289	2-3"
SL575	HH8	4	-	-	-	4	1-2" *
SL575	HH10	4	-	-	-	4	1-2" *
SB2	HH11	91	-	-	-	-	1-2"
HH11	TS3	-	48	48	-	48	1-3" & 1-2 1/2" *
HH11	HH12	-	13	-	-	13	1-2 1/2" *
HH11	SL574	-	-	7	-	7	1-3"
HH11	HH14	-	-	258	-	129	2-3"
HH14	SL456	-	-	5	-	5	1-3"
HH14	HH13	-	9	-	-	9	1-2 1/2" *
HH14	TS4(NEW)	-	-	58	5	53	1-3"
TS4(NEW)	TS5	-	9	-	-	9	1-2 1/2" *
HH14	HH16	-	-	596	-	298	2-3"
SB3	HH15	58	-	-	-	-	1-2"
SL455	HH13	4	-	-	-	4	1-2" *
SL455	HH15	4	-	-	-	4	1-2" *
SL454	HH16	-	-	3	-	3	1-3"
SL454	NORTH	5	-	-	-	5	1-2" *
HH16	HH18	-	-	210	-	105	2-3"
HH16	TS6	-	-	50	5	45	1-3"
TS6	TS7	-	3	-	-	3	1-2 1/2" *
HH17	HH18	2	-	-	-	18	1-2" *
HH18	HH19	-	-	78	-	39	2-3"
HH19	SL453	-	-	4	-	4	1-3"
SL453	KIOSK	4	-	-	-	4	1-2" *
HH19	TS7	-	-	53	5	49	1-3"
TS7	TS6	-	3	-	-	3	1-2 1/2" *
HH19	HH21	-	-	602	-	301	2-3"
SL452	KIOSK	4	-	-	-	4	1-2" *
SL452	HH20	4	-	-	-	4	1-2" *
HH20	SB4	32	-	-	-	-	1-2"
PS1	HH21	80	-	-	-	-	1-2"
HH21	SL451	-	-	4	-	4	1-3"
HH21	HH22	-	7	-	-	7	1-2 1/2" *
HH21	PROJ LIMIT	-	-	132	-	66	2-3"
HH21	TS8	-	45	45	-	45	1-3" & 1-2 1/2" *
TOTALS		402	208	3878	25	2266	

* VERIFY AND MATCH SIZE OF CONDUIT THIS CONDUIT IS TO CONNECT TO

2016 CAPITOL SQUARE RESURFACING
 PROJECT NO. 10903
 SHEET NO.
 E-18
 CITY OF MADISON
 ELECTRICAL
 MISC QUANTITIES

STRUCTURE	60421 REMOVE STREETLIGHT BASE EACH	60423 REMOVE TRAFFIC SIGNAL BASE EACH	90021 REMOVE SIGNAL BASE SPECIAL EACH	60427 REMOVE ELECTRICAL HANDHOLE EACH	60702 CONSTRUCT TYPE 1 EACH	60706 CONSTRUCT ELECTRIAL HANDHOLES TYPE 5 EACH	90022 TYPE 7 EACH	60407 CONSTRUCT LB-8 BASE EACH	90023 CONSTRUCT OFFSET BASE EACH	60411 CONSTRUCT TYPE "G" BASE EACH	90024 CONSTRUCT MODIFIED LB-3 BASE EACH
SL550	1	-	-	-	-	-	-	-	-	-	1
HH2	-	-	-	-	-	1	-	-	-	-	-
SL551	1	-	-	-	-	-	-	-	-	-	1
HH5	-	-	-	-	-	1	-	-	-	-	-
SL552	1	-	-	-	-	-	-	-	-	-	1
HH6	-	-	-	-	-	1	-	-	-	-	-
TS1	-	1	-	-	-	-	-	-	-	1	-
TS2	-	1	-	-	-	-	-	-	-	1	-
HH7	-	-	-	-	-	1	-	-	-	-	-
SL576	1	-	-	-	-	-	-	-	-	-	1
HH9	-	-	-	-	-	1	-	-	-	-	-
SL575	1	-	-	-	-	-	-	-	-	-	1
HH11	-	-	-	-	-	1	-	-	-	-	-
SL574	1	-	-	-	-	-	-	-	-	-	1
TS4 (NEW)	-	-	-	-	-	-	1	-	-	-	-
TS4 (OLD)	-	-	1	-	-	-	-	-	-	-	-
SL456	1	-	-	-	-	-	-	-	-	-	1
HH14	-	-	-	-	-	1	-	-	-	-	-
SL455	1	-	-	-	-	-	-	-	-	-	1
HH16	-	-	-	-	-	1	-	-	-	-	-
SL454	1	-	-	-	-	-	-	-	-	-	1
TS6	-	1	-	-	-	-	-	-	-	1	-
TS7	-	1	-	-	-	-	-	-	-	1	-
HH17	-	-	-	-	1	-	-	-	-	-	-
HH18	-	-	-	1	-	-	1	-	-	-	-
HH19	-	-	-	-	-	1	-	-	-	-	-
SL453	1	-	-	-	-	-	-	-	-	-	1
SL452	1	-	-	-	-	-	-	-	-	-	1
SL451	1	-	-	-	-	-	-	-	-	-	1
HH21	-	-	-	-	-	1	-	-	-	-	-
UNDISTRIBUTED	-	-	-	-	-	-	-	2	-	-	-
	12	4	1	1	1	10	1	1	2	4	12

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

CROSS SECTIONS

N. CARROLL ST.

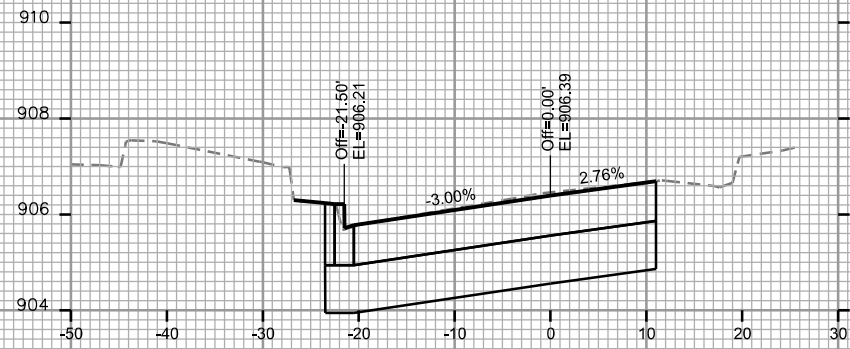
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

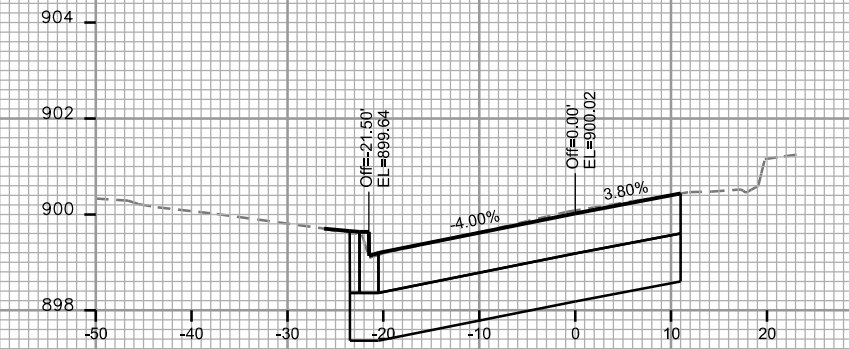
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



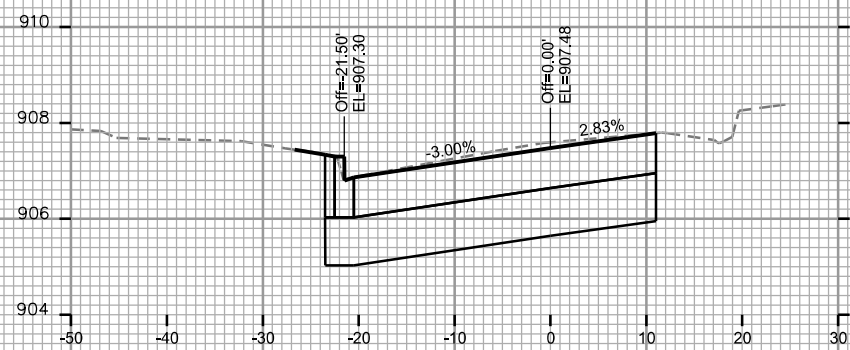
STA. 11+75



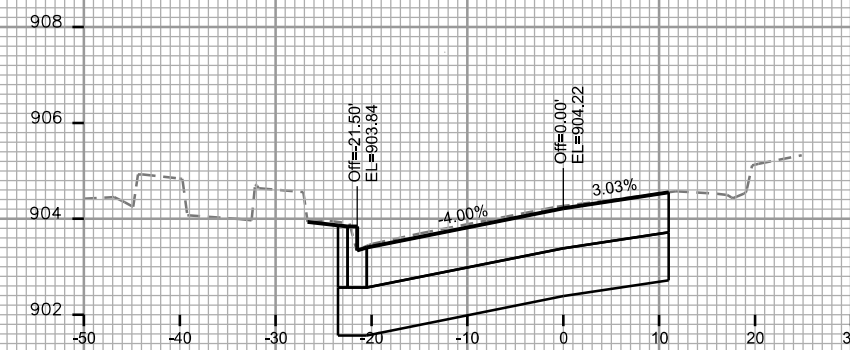
STA. 12+50



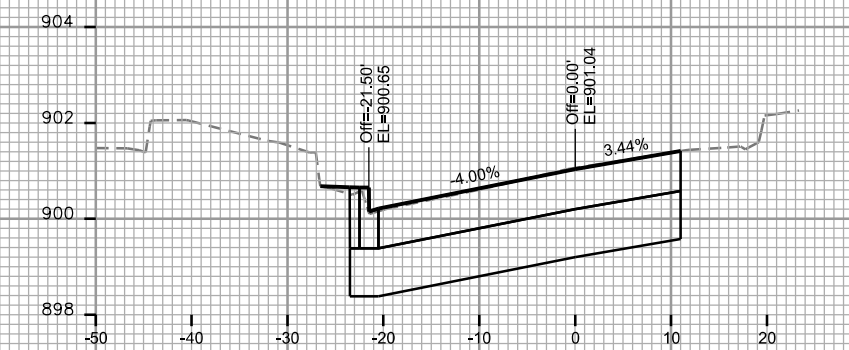
STA. 13+25



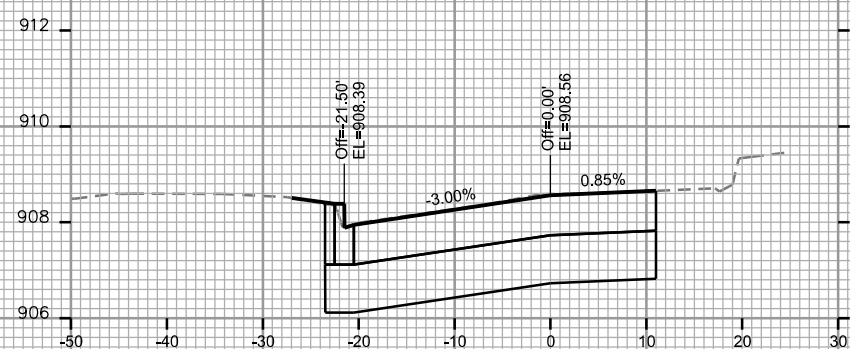
STA. 11+50



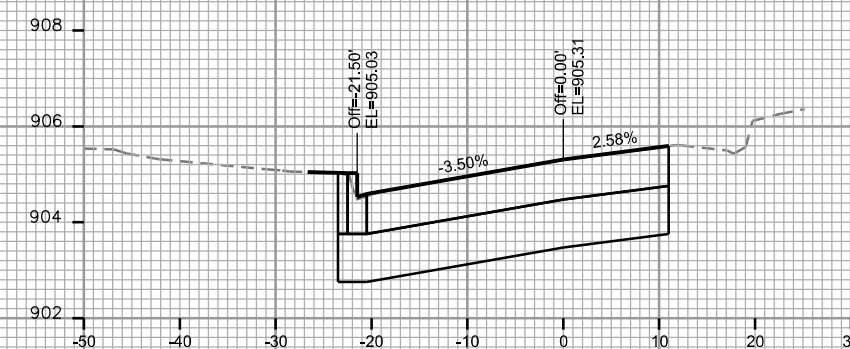
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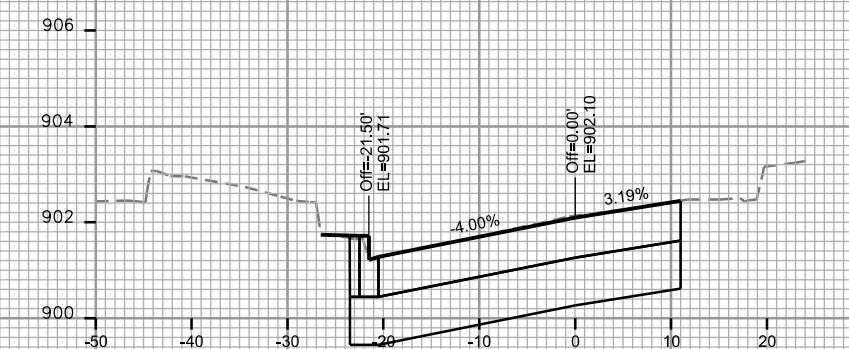
STA. 13+00



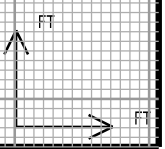
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STA. 12+00



STA. 12+75



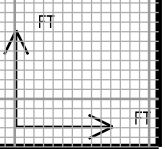
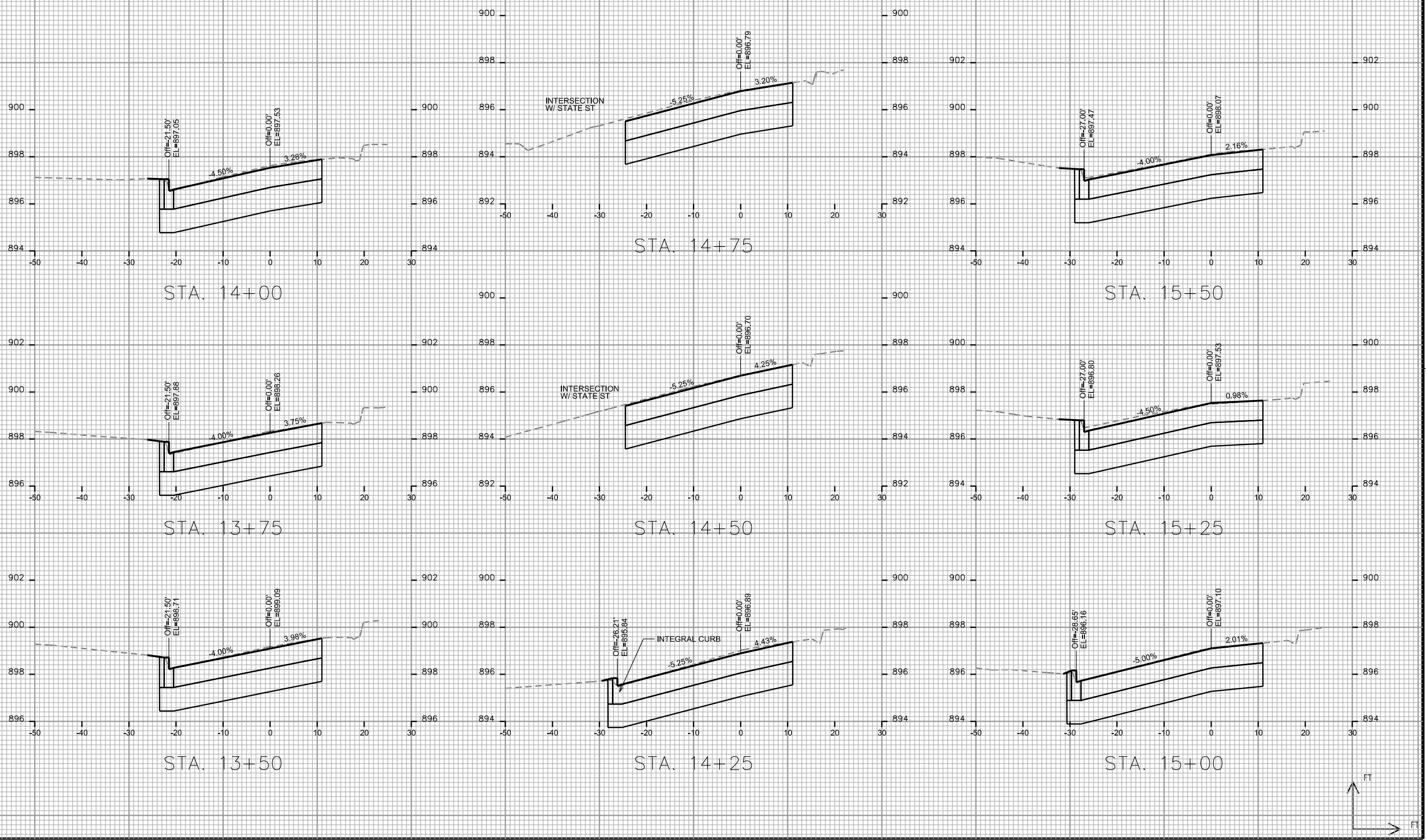
CROSS SECTIONS
N. CARROLL ST.
W. MIFFLIN ST. CITY OF MADISON

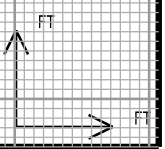
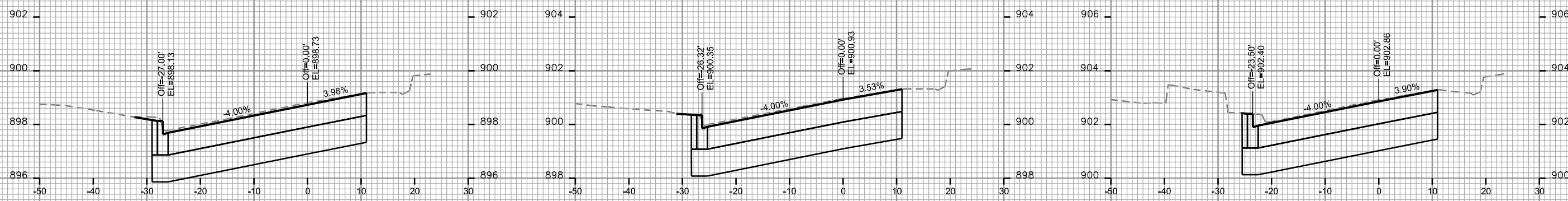
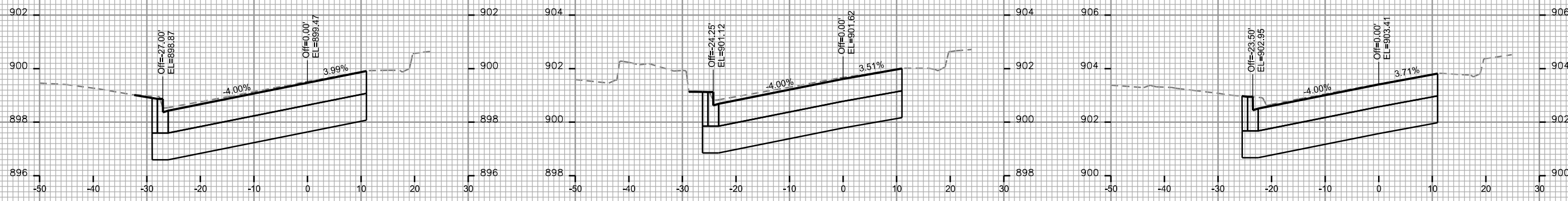
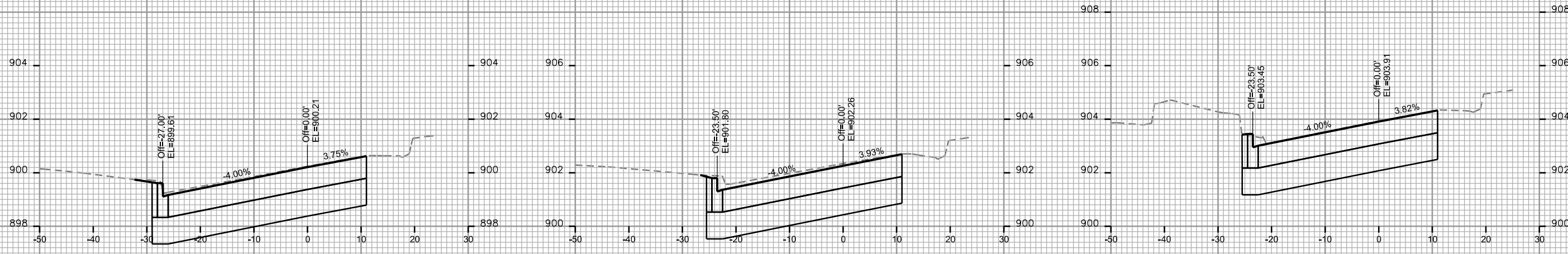
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

MIFFLIN ST.

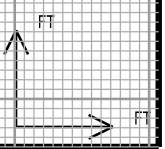
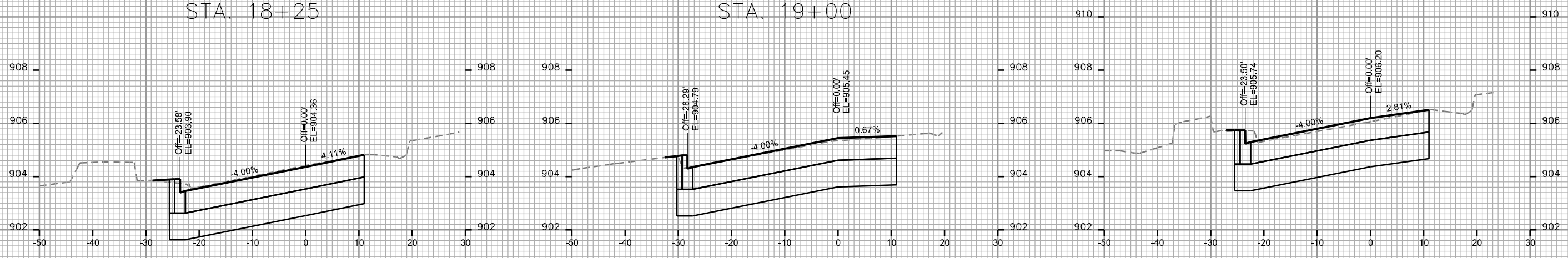
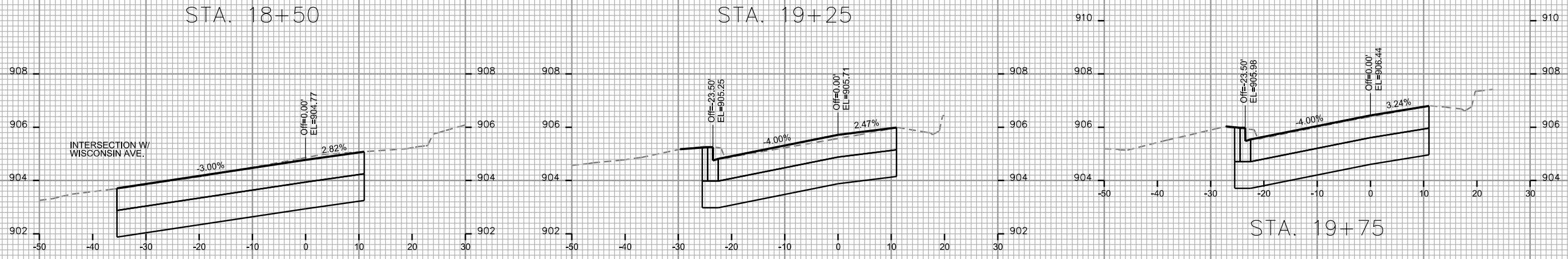
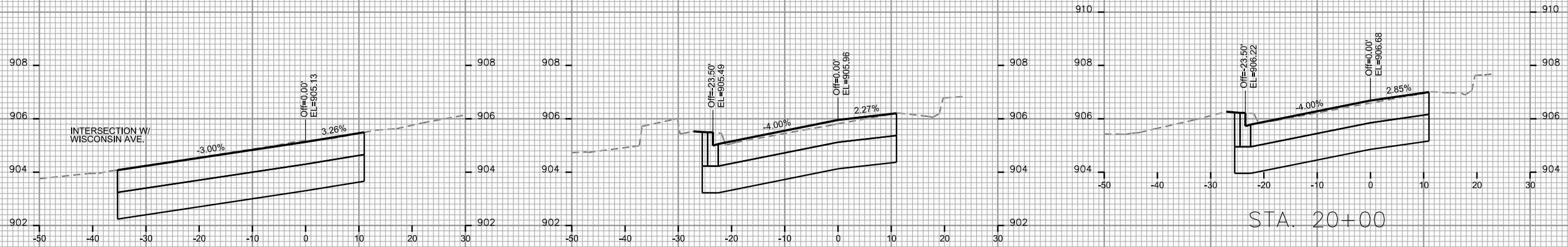
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



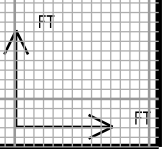
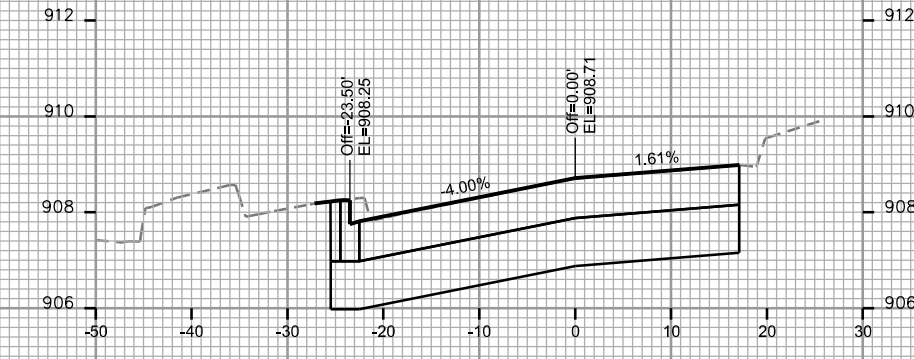
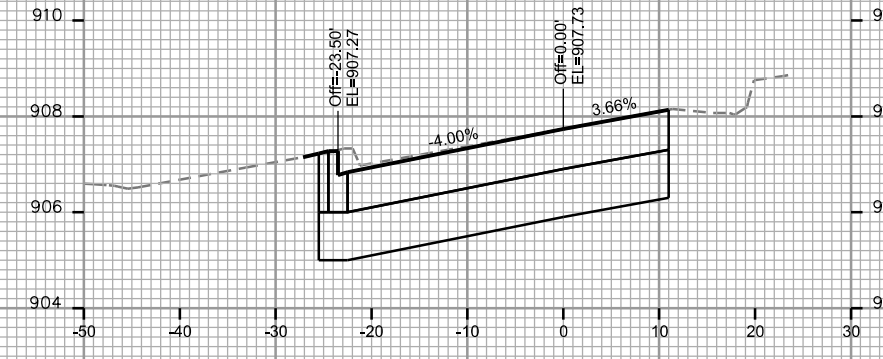
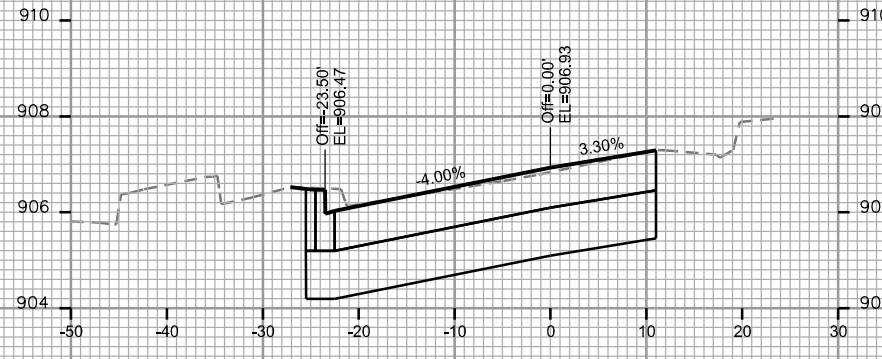
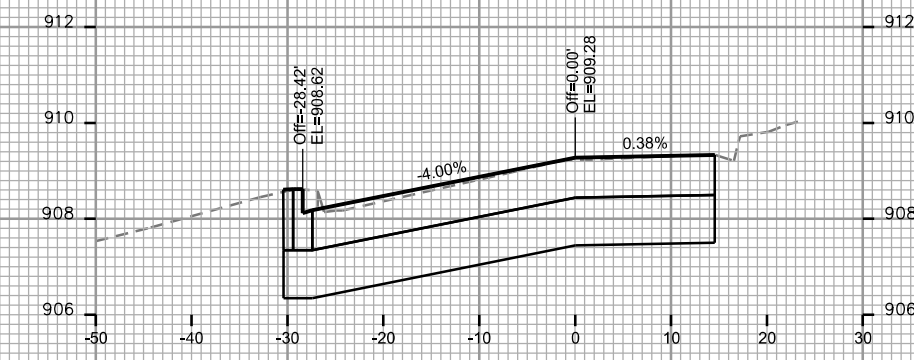
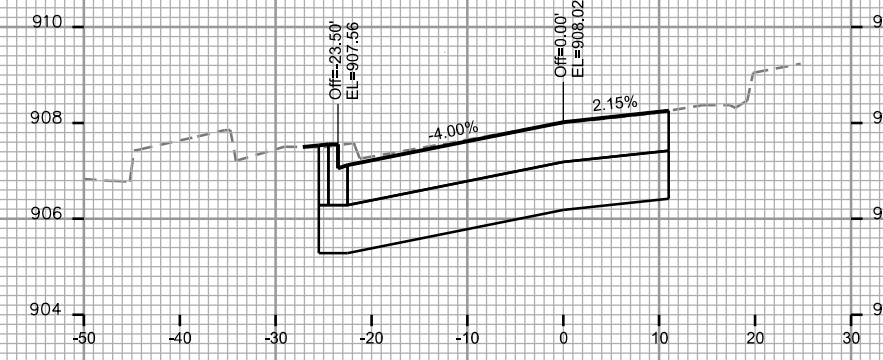
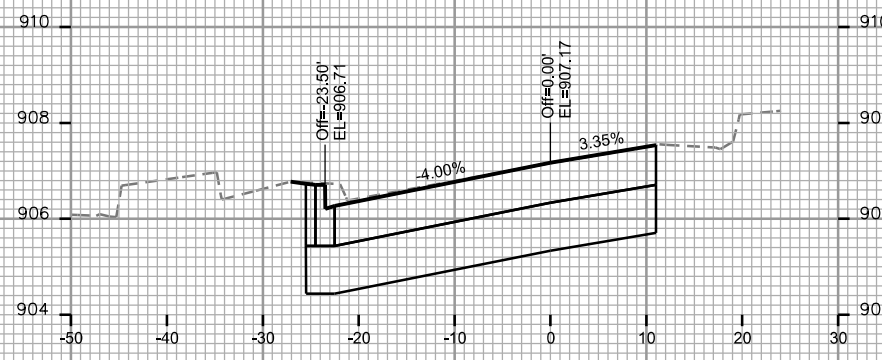
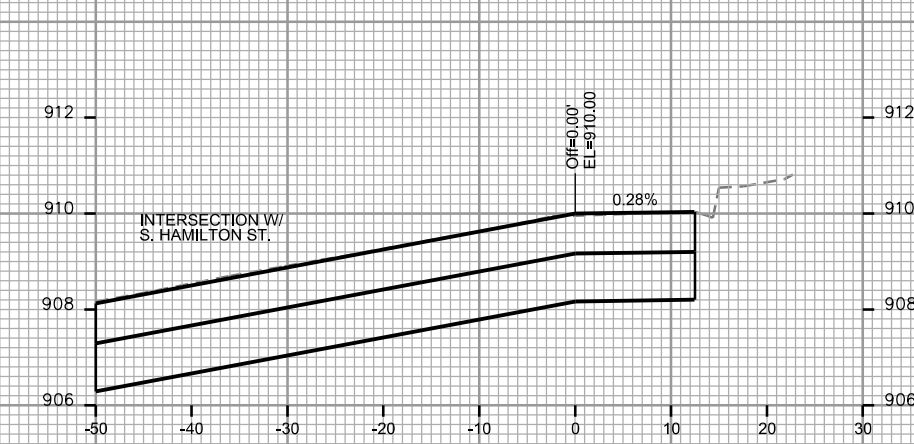
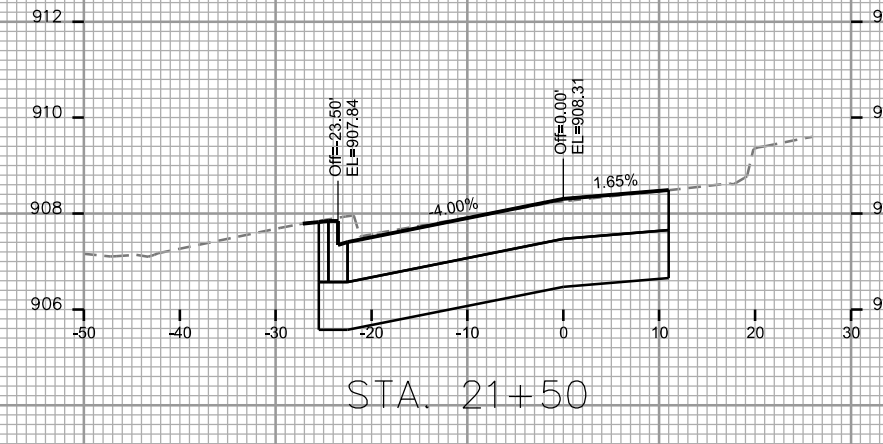
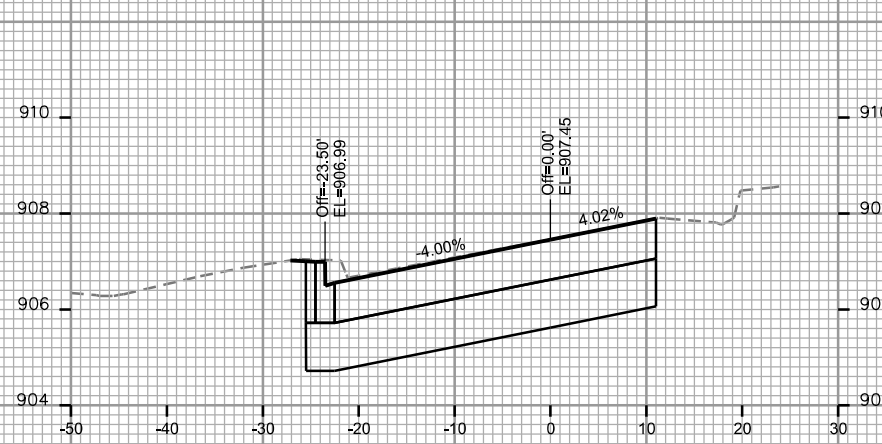
CROSS SECTIONS
E. MIFFLIN ST.
N. PINCKNEY ST. CITY OF MADISON

PLOT SCALE:

PLOT NAME:

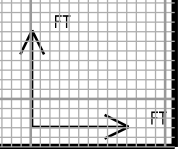
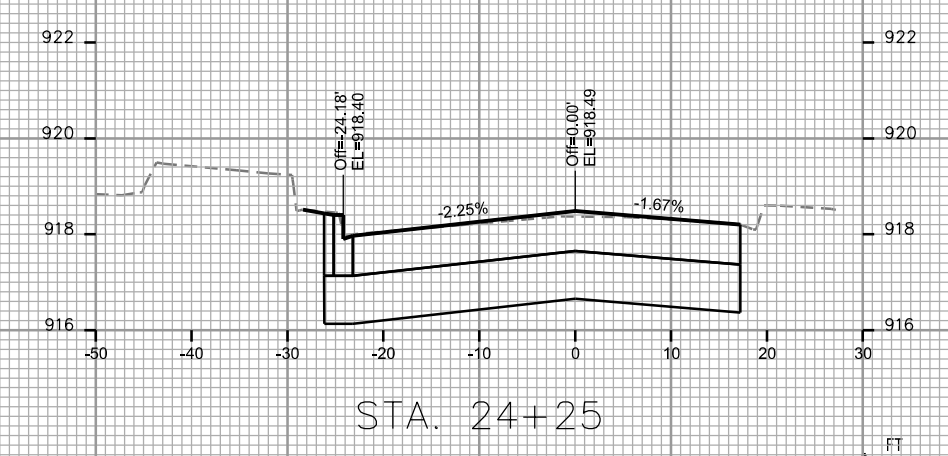
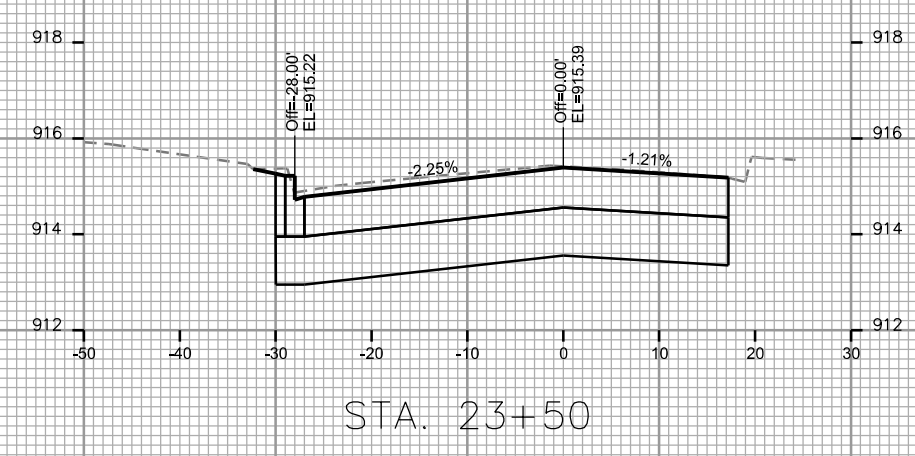
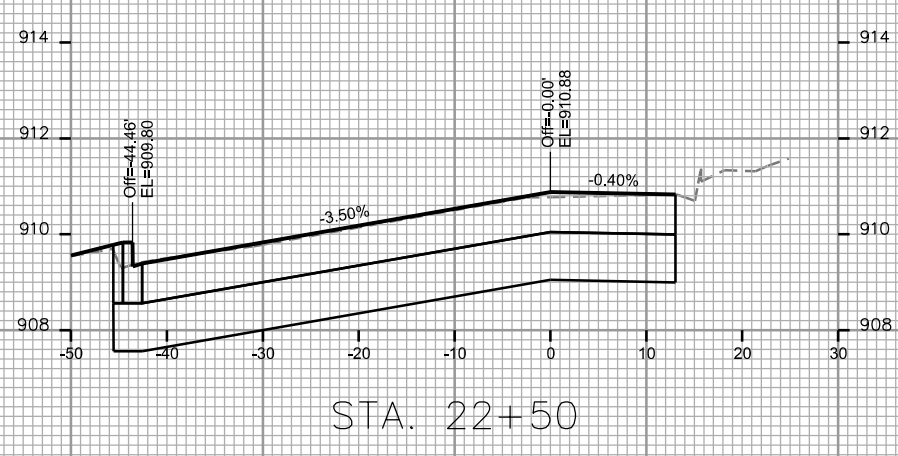
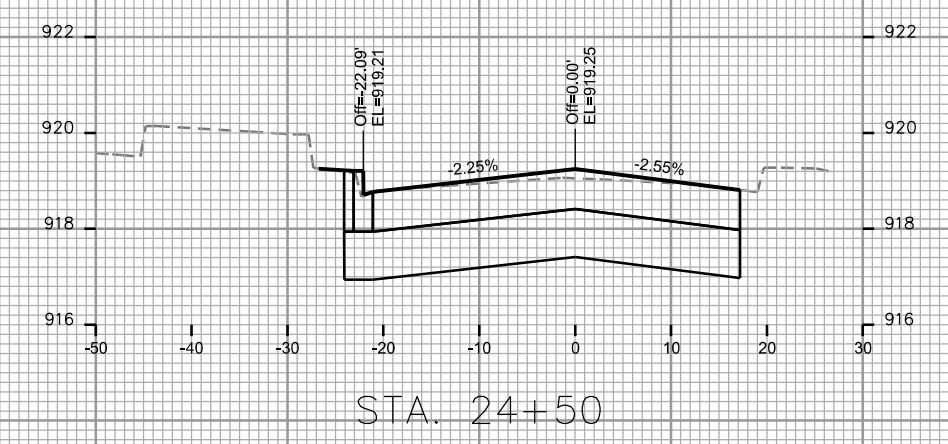
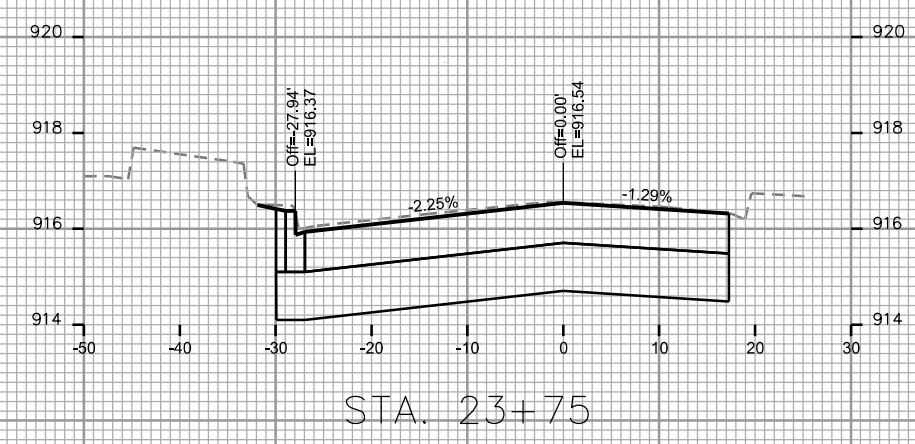
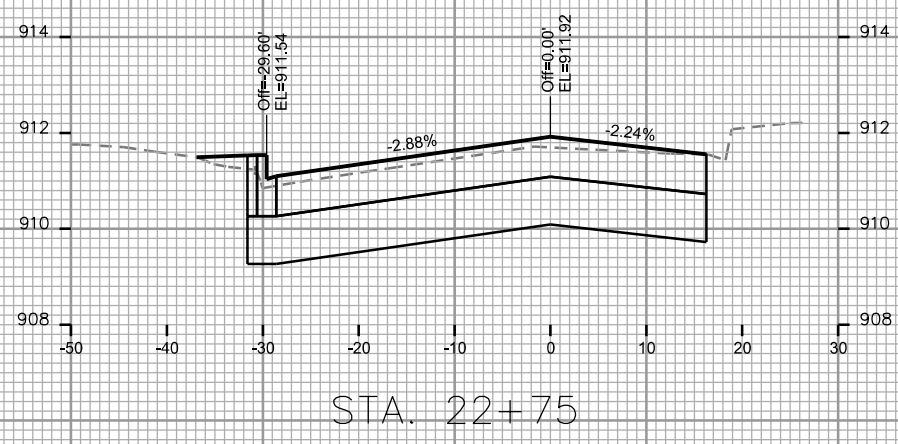
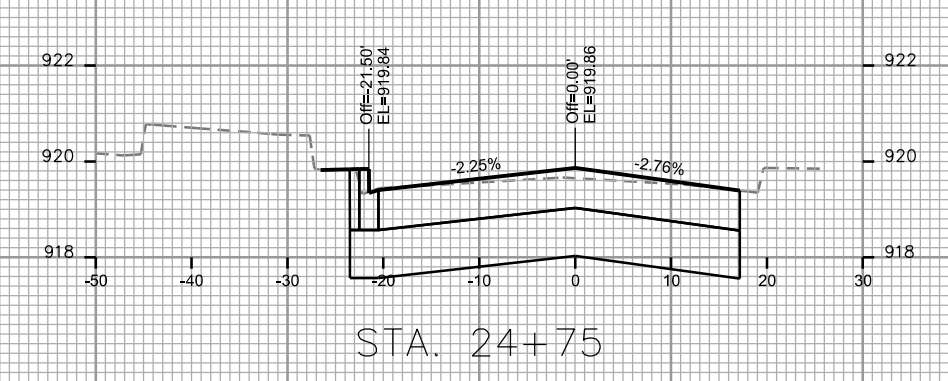
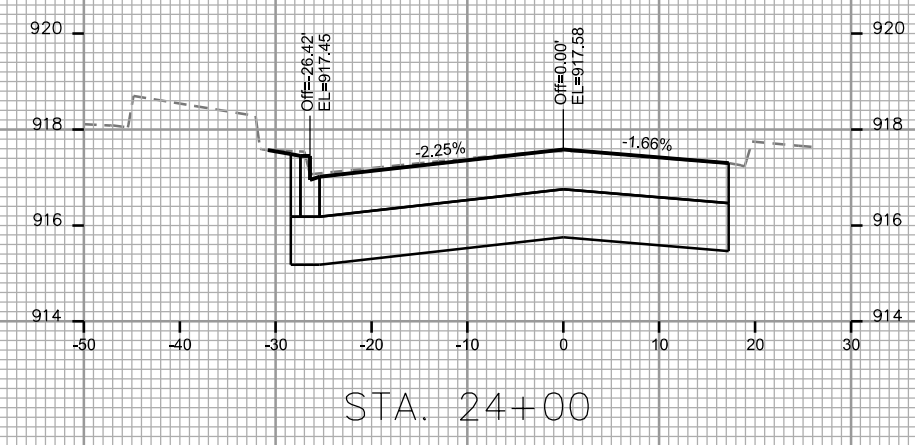
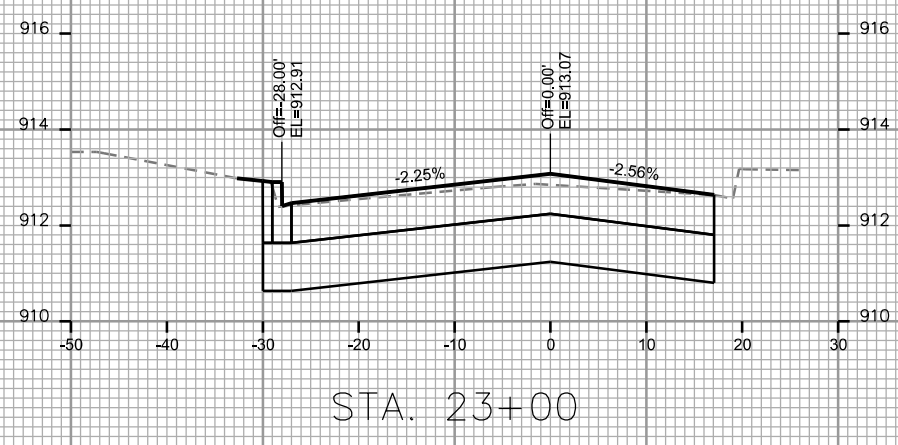
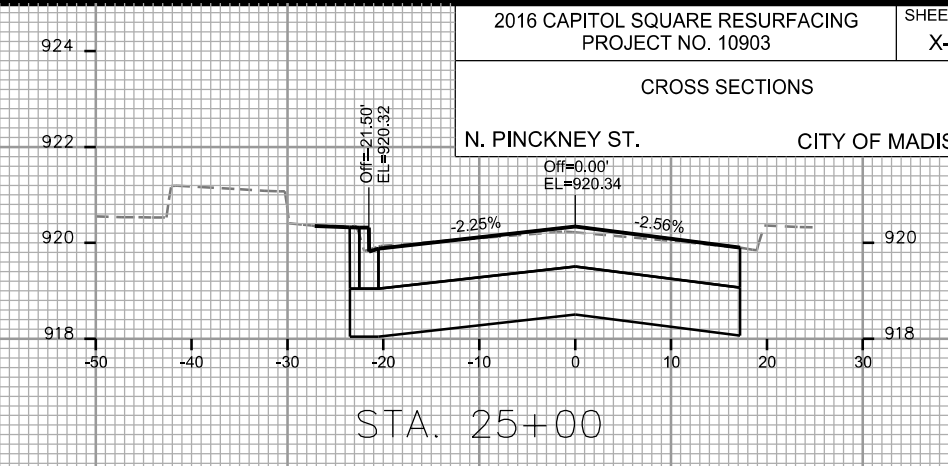
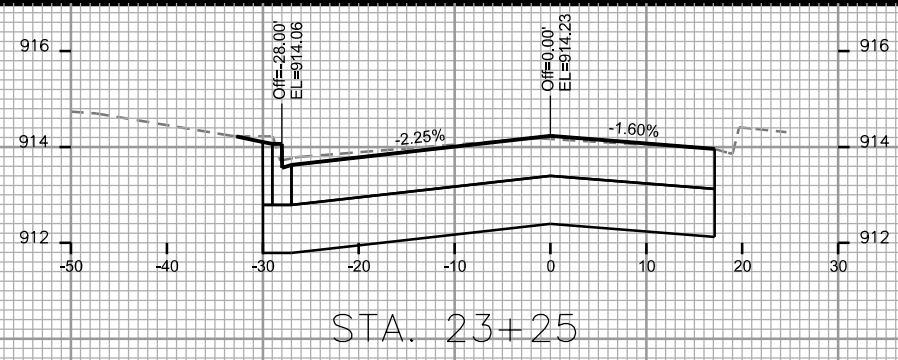
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

N. PINCKNEY ST. CITY OF MADISON



PLOT SCALE:

PLOT NAME:

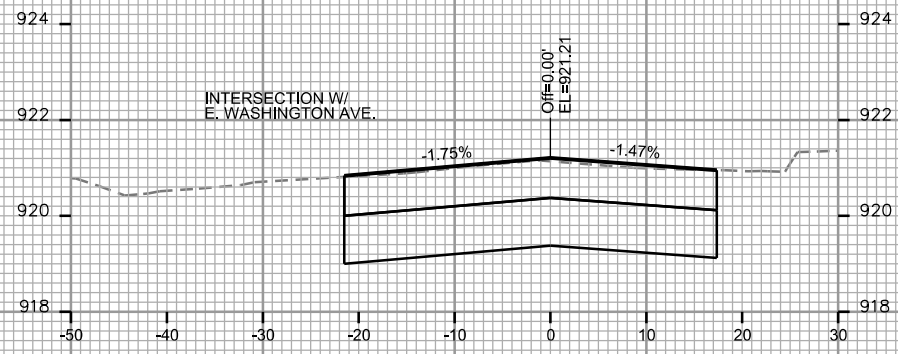
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

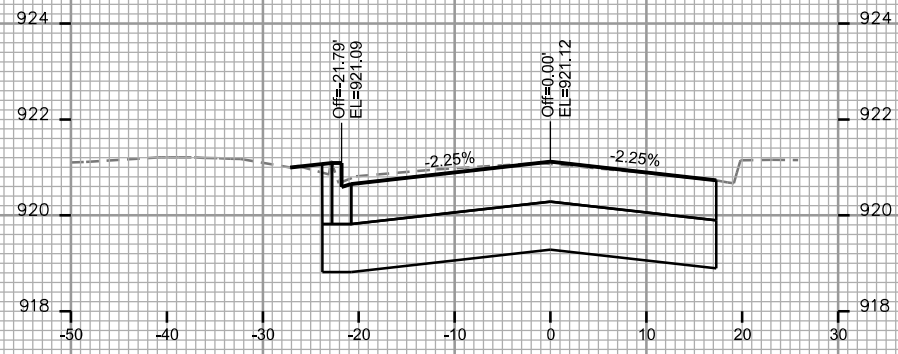
CROSS SECTIONS

N. PINCKNEY ST.

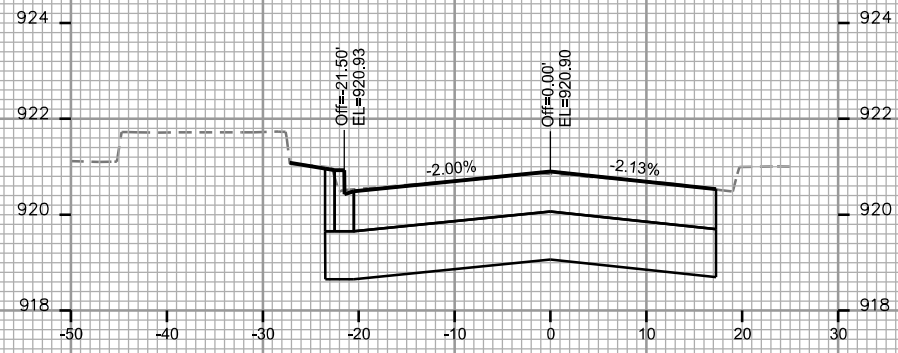
CITY OF MADISON



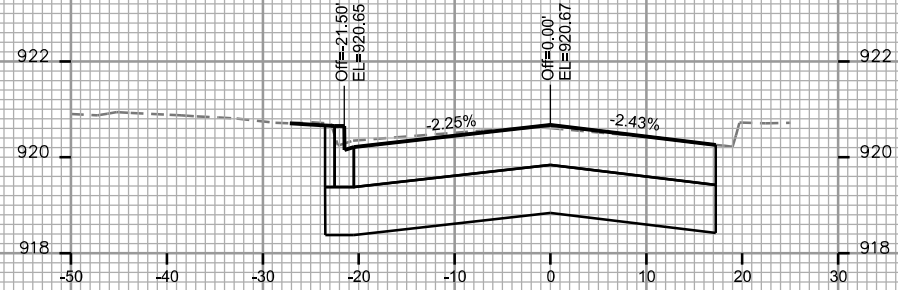
STA. 26+00



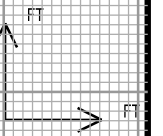
STA. 25+75



STA. 25+50



STA. 25+25



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION