

Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

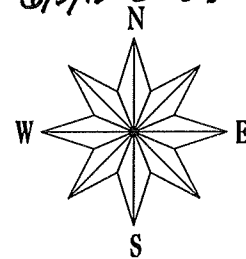
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

NORTH SHORE DR AND BEDFORD ST STORM BOX REPLACEMENT

CITY PROJECT NO. 53W0940

CONTRACT NO. 6465



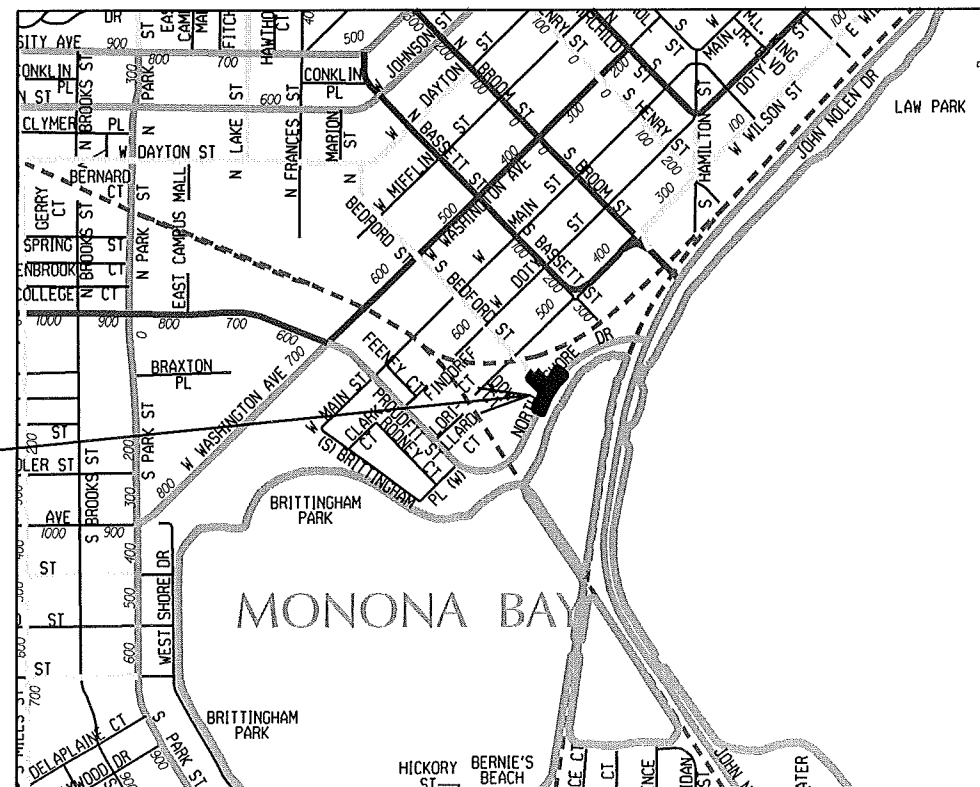
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	▤
COMBUSTIBLE FLUIDS	CAUTION

CONSTRUCTION PROJECT LOCATION

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.



PLANNED EARTHWORK QUANTITIES
EXCAVATION CUT.....0 CY
FILL (ROADWAY MEDIANS).....285 CY

PUBLIC IMPROVEMENT PROJECT
APPROVED

MARCH 5, 2013

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

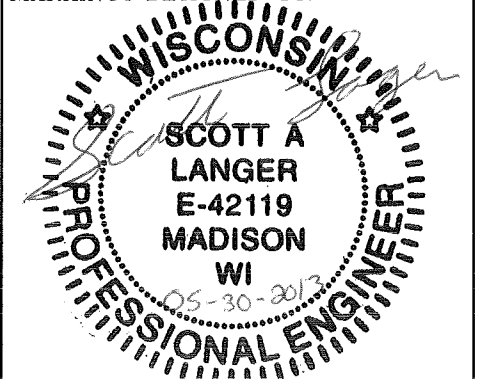
Michael R. Dailey 5/31/2013
City Engineer Date

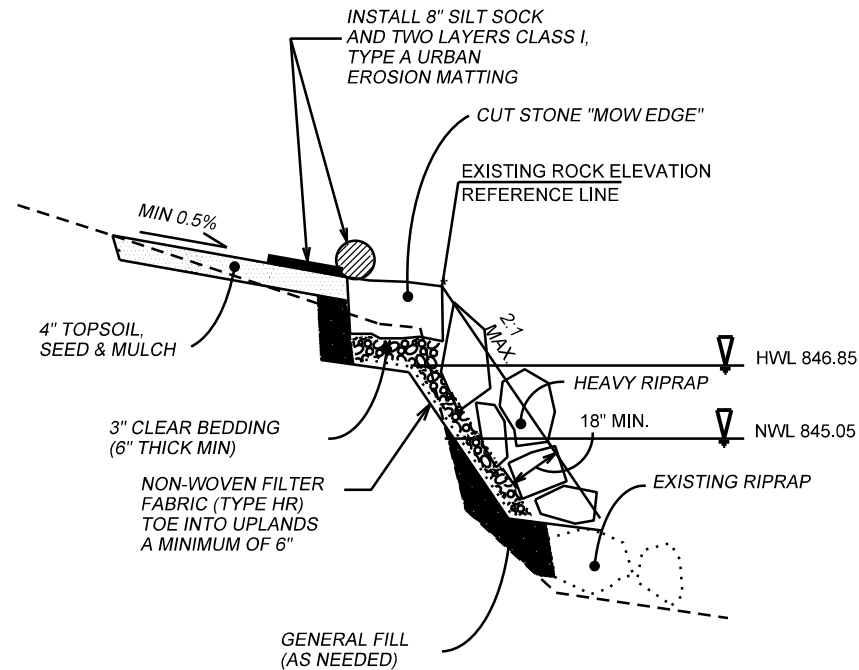


STORM SEWER
DESIGNED BY:



TRAFFIC CONTROL & PAVEMENT
MARKINGS DESIGNED BY:





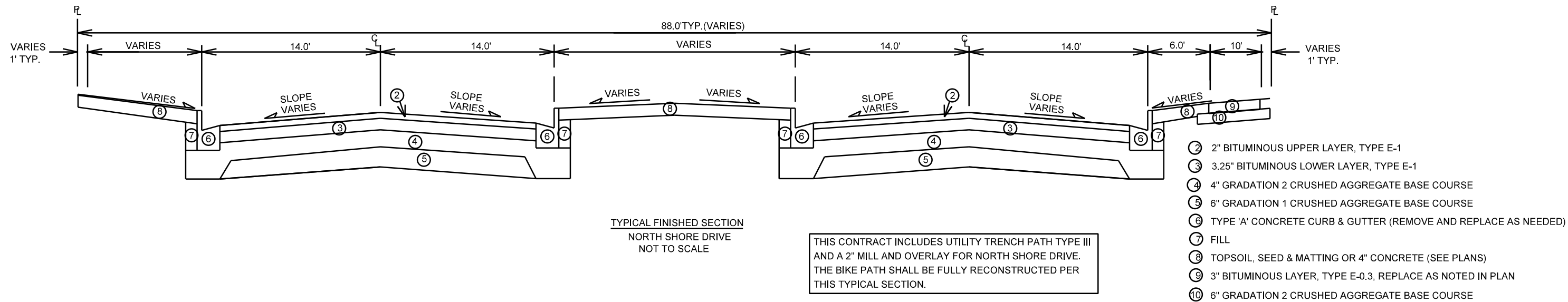
CUT STONE "MOW EDGE" SHALL HAVE THE FOLLOWING DIMENSIONS:
12"-15" HIGH X 36"-48" LONG X 30"-36" WIDE.

HEAVY RIPRAP SHALL MEET THE MATERIAL SPECIFICATIONS INCLUDED
IN THE STANDARD PROVISIONS. THE RIPRAP SHALL BE A MINIMUM OF
18" THICK AS MEASURED PERPENDICULAR TO THE SLOPE.

SILT SOCK SHALL BE INSTALLED ALONG THE TOP COURSE OF THE
ROCK IMMEDIATELY AFTER THE RIPRAP RECONSTRUCTION IS
COMPLETE. THE EROSION MATTING SHALL BE INSTALLED AT THE
TIME OF SEEDING AS SPECIFIED IN THE SPECIAL PROVISIONS.

FRONT TOP COURSE OF ROCK SHALL BE AT EXISTING ELEVATION
APPROXIMATELY ONE (1) FOOT ABOVE BOX CULVERT. EXISTING
COURSE OF ROCK SHALL BE USED AS A REFERENCE ELEVATION.

TYPICAL CROSS SECTION
SHORELINE RECONSTRUCTION WITH MOW EDGE

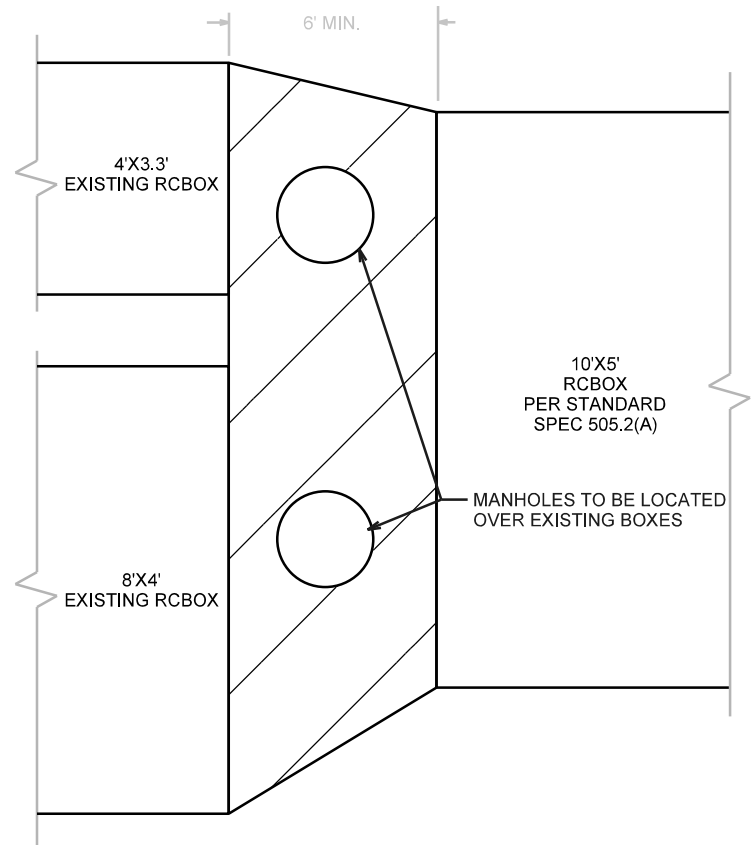


THIS CONTRACT INCLUDES UTILITY TRENCH PATH TYPE III
AND A 2" MILL AND OVERLAY FOR NORTH SHORE DRIVE.
THE BIKE PATH SHALL BE FULLY RECONSTRUCTED PER
THIS TYPICAL SECTION.

- ② 2" BITUMINOUS UPPER LAYER, TYPE E-1
- ③ 3.25" BITUMINOUS LOWER LAYER, TYPE E-1
- ④ 4" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER (REMOVE AND REPLACE AS NEEDED)
- ⑦ FILL
- ⑧ TOPSOIL, SEED & MATTING OR 4" CONCRETE (SEE PLANS)
- ⑨ 3" BITUMINOUS LAYER, TYPE E-0.3, REPLACE AS NOTED IN PLAN
- ⑩ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE

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

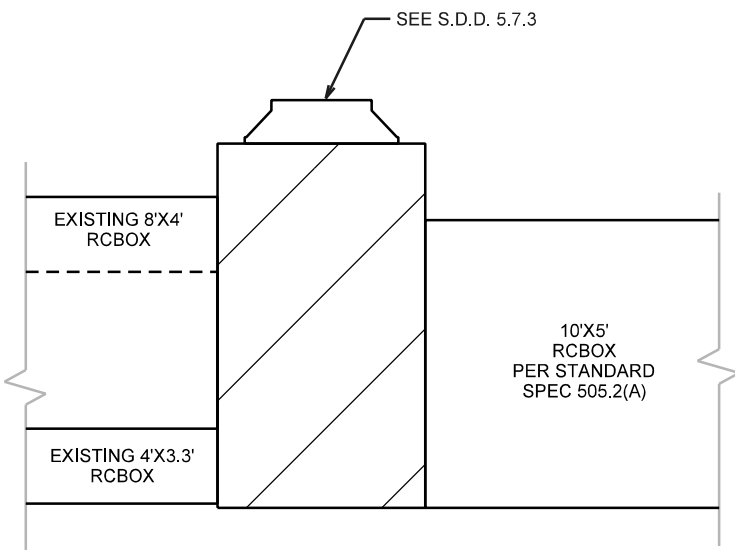
BOX CONNECTION DETAIL



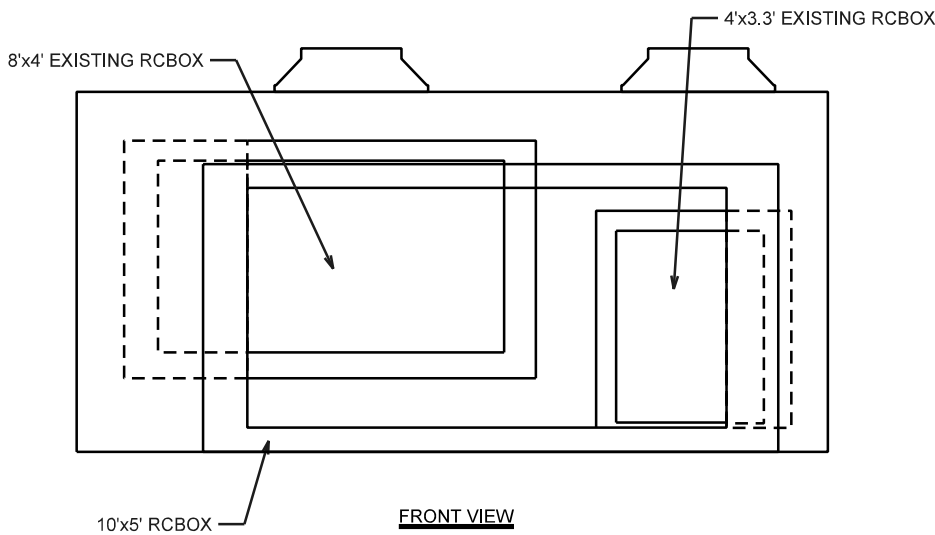
TOP VIEW
BOX CONNECTION DETAIL

NOTES:

1. THICKNESS OF FLOOR TO BE 10" MINIMUM 10"
2. ROOF THICKNESS SHALL BE 8" MINIMUM
3. REFER TO S.D.D. 5.7.3 FOR REINFORCEMENT AND OTHER REQUIREMENTS.

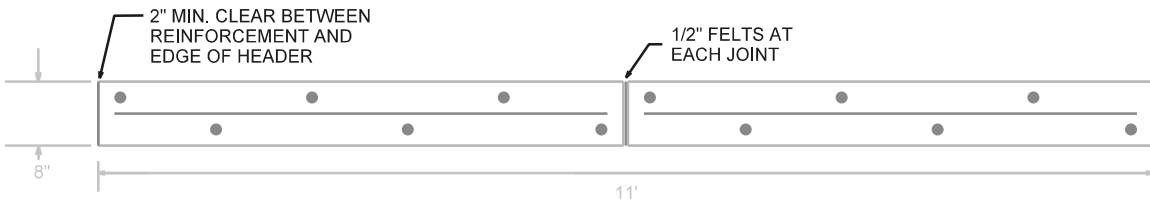


SIDE VIEW
BOX CONNECTION DETAIL



FRONT VIEW
BOX CONNECTION DETAIL

BOX END DETAIL



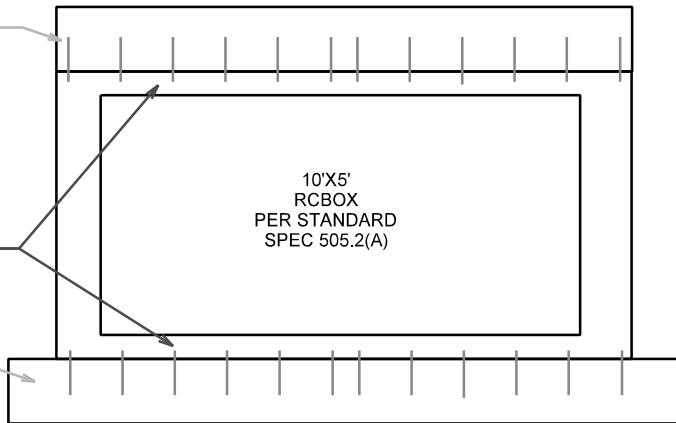
VERTICAL REINFORCEMENT PER SECTION STAGGERED
#6 BARS SPACED EVENLY ON APPROXIMATELY 1' CENTERS,
2" CLEAR EACH SIDE; BARS TO BE EMBEDDED IN CONCRETE 4".

TOP VIEW
BOX CULVERT HEADER REINFORCEMENT DETAIL

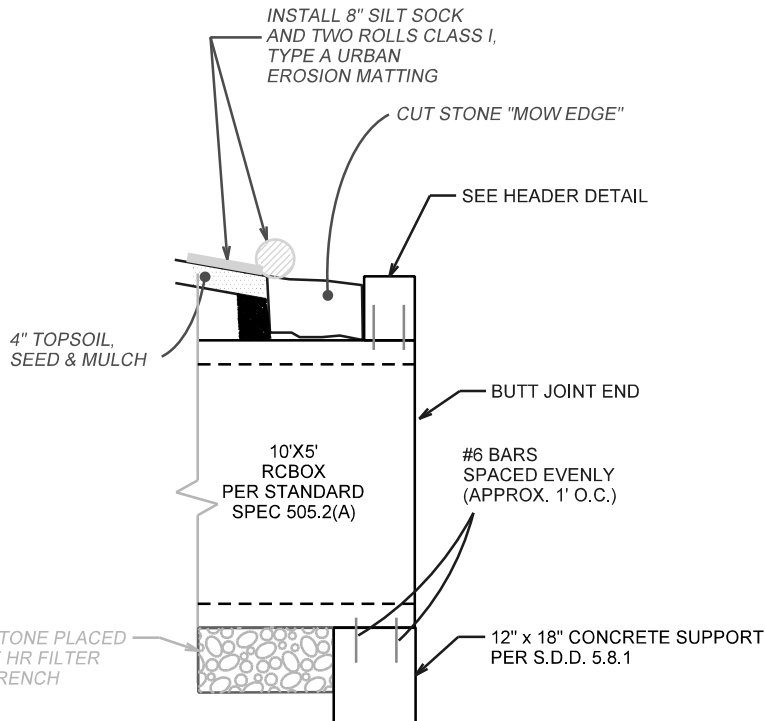
12" MIN. HEADER HEIGHT PER
DETAIL (MATCH EX. GROUND)

#6 BARS SPACED EVENLY ON APPROXIMATELY
1' CENTERS. BARS TO BE EMBEDDED IN CONCRETE
4", EPOXY FILL DRILL HOLES

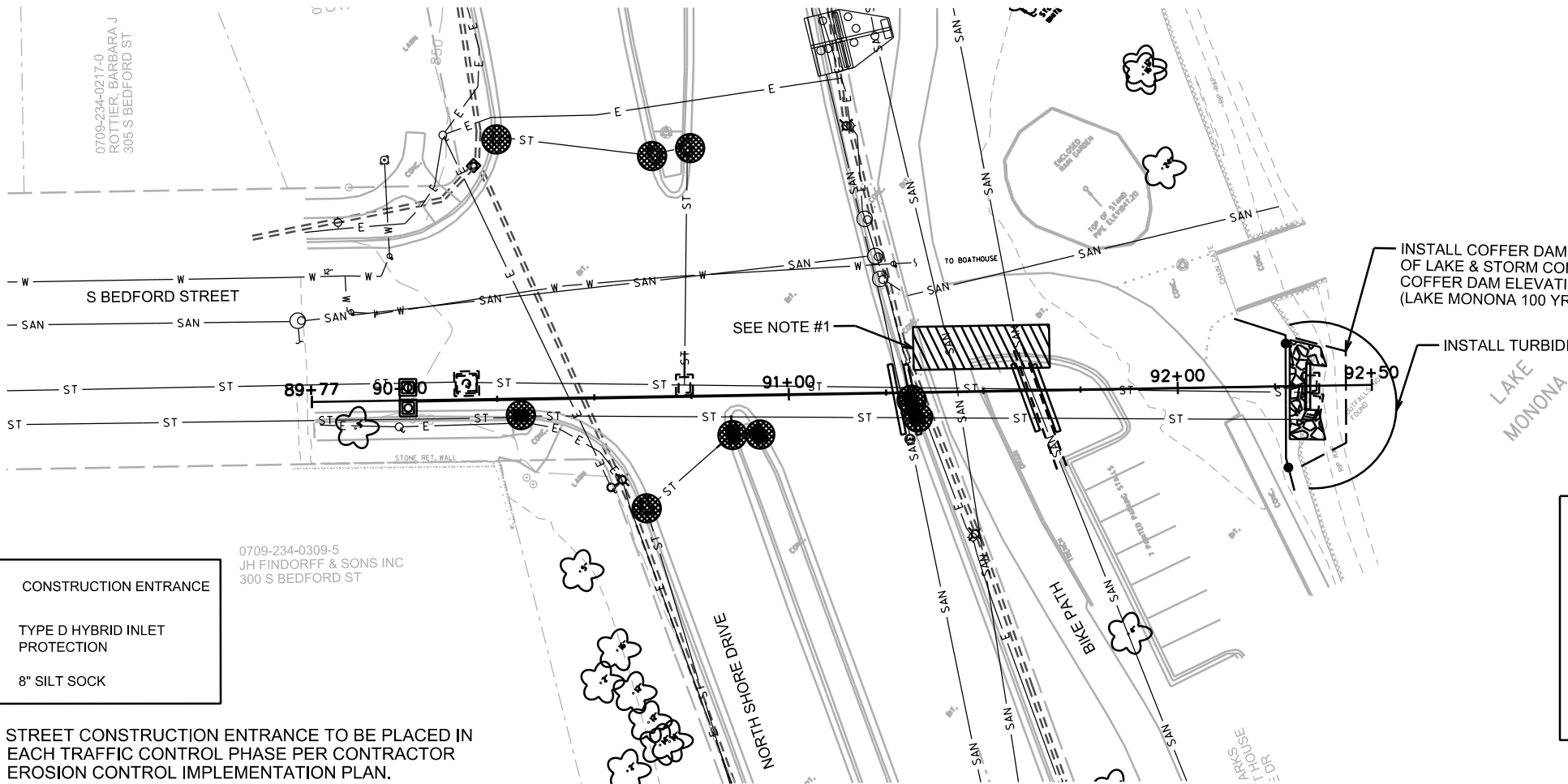
CONCRETE SUPPORT
PER S.D.D. 5.8.1



FRONT VIEW
BOX CULVERT DETAIL



SIDE VIEW
BOX CULVERT END DETAIL



EROSION CONTROL NOTES:

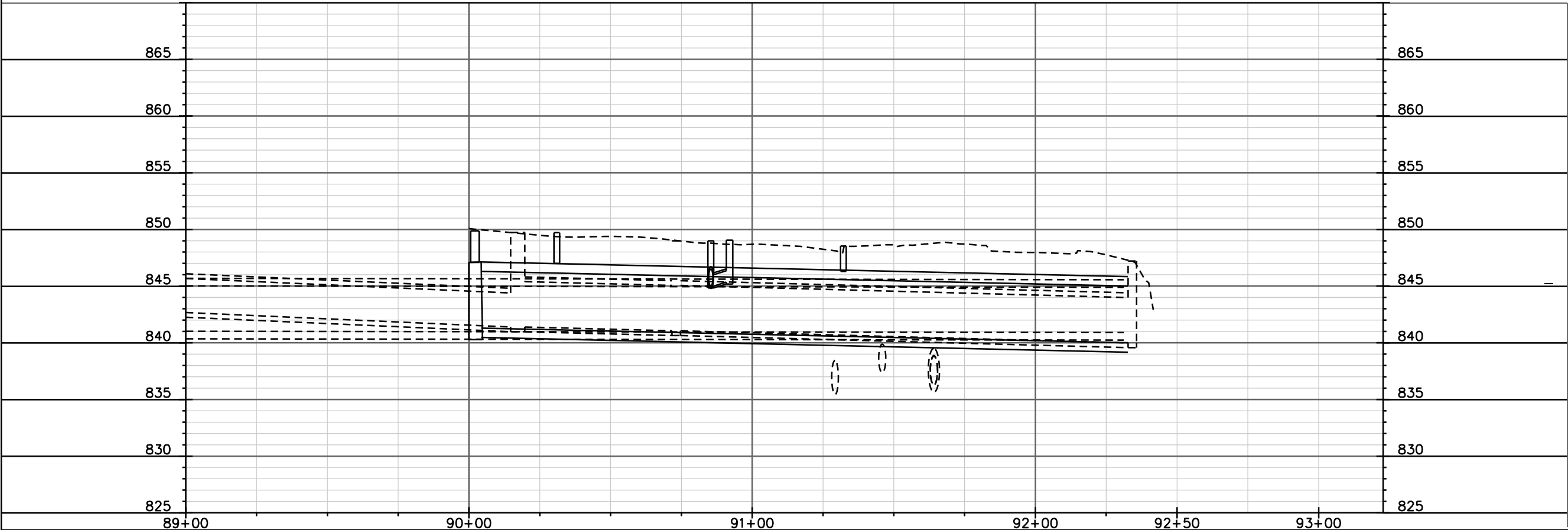
EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

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.

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

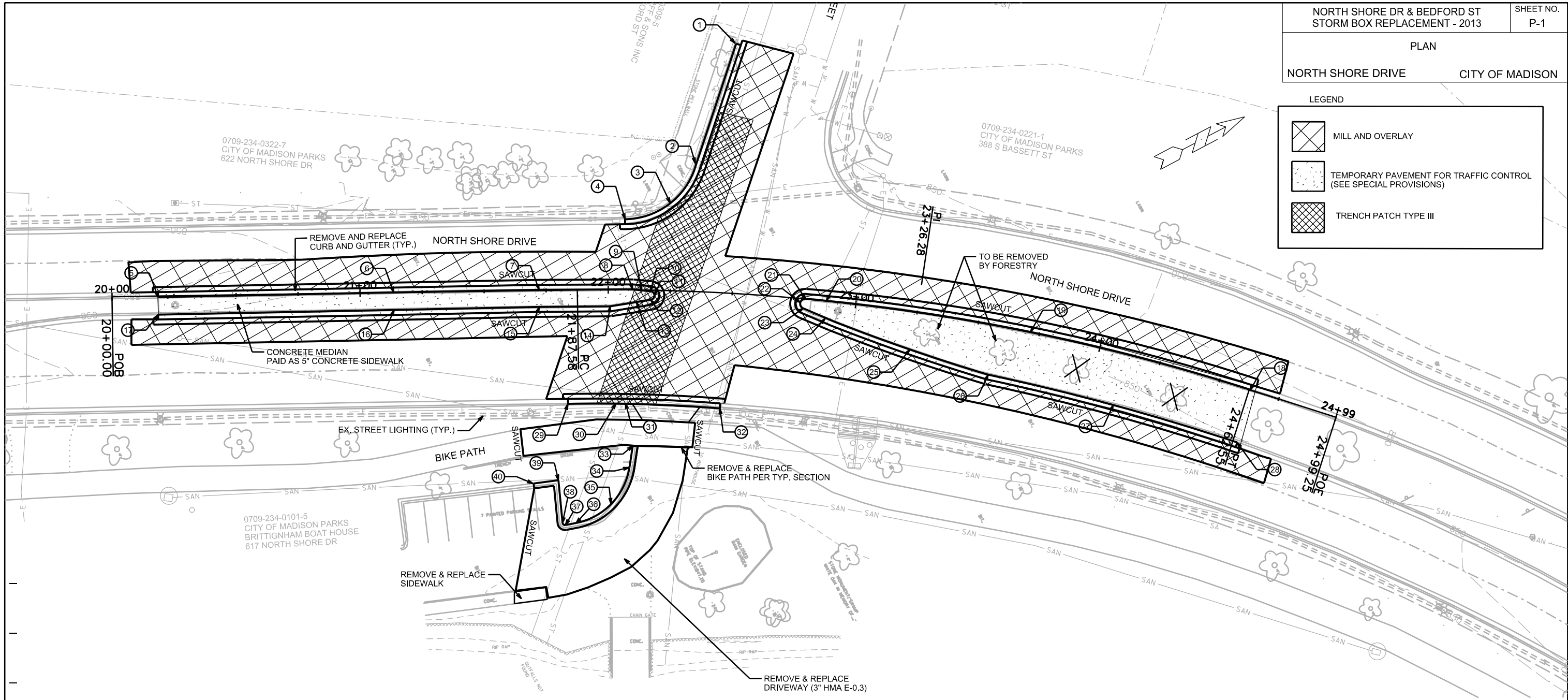


LEGEND

MILL AND OVERLAY

TEMPORARY PAVEMENT FOR TRAFFIC CONTROL
(SEE SPECIAL PROVISIONS)

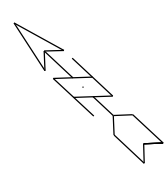
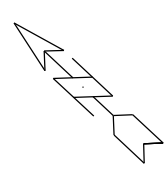
TRENCH PATCH TYPE III



NO.	STA / OFFSET	ELEV	NOTES
1	22+46.13, LT 100.57	850.83	TC / MATCH EXISTING
2	22+33.42, LT 51.09	849.81	TC / PC / LP
3	22+24.07, LT 35.21	849.70	TC / MID PT
4	22+06.57, LT 28.43	849.53	TC / PC
5	20+18.55, RT 0.39	850.35	TC / MATCH EXISTING
6	21+13.60, LT 0.06	849.86	TC
7	21+72.19, LT 0.27	849.42	TC
8	22+09.90, LT 0.19	849.01	TC
9	22+13.48, RT 0.13	848.98	TC / LP
10	22+17.07, RT 0.40	849.02	TC / PC
11	22+18.68, RT 2.05	849.04	TC / PC / HP / MID PT
12	22+17.30, RT 3.86	849.02	TC / PC
13	22+11.57, RT 5.04	849.00	TC / LP
14	22+00.82, RT 6.70	849.05	TC
15	21+72.16, RT 6.60	849.28	TC

NO.	STA / OFFSET	ELEV	NOTES
16	21+13.63, RT 7.00	849.65	TC
17	20+18.49, RT 7.45	850.05	TC / MATCH EXISTING
18	24+63.02, LT 0.07	850.25	TC / PC
19	23+71.35, LT 0.20	849.79	TC / MID PT
20	22+88.04, LT 0.02	849.15	TC / LP
21	22+79.68, LT 0.06	849.04	TC / PC
22	22+77.70, RT 1.63	849.03	TC / MID PT
23	22+79.07, RT 3.84	849.02	TC / PC
24	22+88.40, RT 6.75	849.00	TC / PC / LP
25	23+24.25, RT 15.16	849.35	TC / MID PT
26	23+57.73, RT 19.95	849.49	TC / PC
27	24+10.94, RT 21.03	849.68	TC / MID PT
28	24+64.33, RT 21.76	849.90	TC / PC / MATCH EXISTING
29	21+83.10, RT 45.84	848.56	TC / PC / MATCH EXISTING
30	22+02.57, RT 45.91	848.46	TC / LP

NO.	STA / OFFSET	ELEV	NOTES
31	22+06.77, RT 45.94	848.45	TC / LP
32	22+47.63, RT 46.54	848.60	TC / PC / MATCH EXISTING
33	22+10.71, RT 62.74	849.14	TC
34	22+09.36, RT 71.52	849.09	TC / PC
35	22+01.51, RT 86.18	848.80	TC / MID PT
36	21+85.68, RT 93.86	848.62	TC / PC
37	21+81.42, RT 94.63	848.58	TC / PC
38	21+80.25, RT 93.73	848.58	TC / PC
39	21+78.84, RT 76.61	848.79	TC
40	21+68.81, RT 77.70	848.84	TC



STORM SEWER SCHEDULE

ALIGNMENT CODES:

B' = BEDFORD

NORTH SHORE DR & BEDFORD ST	SHEET NO.
STORM BOX PLACEMENT - 2013	U-2
PROJECT NO 53W0940	
STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	90'B'+02.08	RT-.42	BOX CONNECTION	849.87	841.30	8.57	FP; W/ R-1550-0054 (3)
S-2	90'B'+31.00	RT-4.34	H INLET (SADDLED)	849.71	847.00	2.71	FP; W/ R-3067-7004; (1)
S-3	90'B'+73.25	LT-4.77	TAP	-	844.00	-	(4)
S-4	90'B'+84.98	RT-5.22	TAP	-	844.00	-	(4)
S-5	90'B'+85.40	RT-10.00	H INLET	849.00	845.00	4.00	W/ R-3067-7004
S-6	90'B'+92.02	RT-10.02	H INLET	849.05	845.35	3.70	W/ R-3067-7004
S-7	91'B'+32.22	RT-5.61	H INLET (SADDLED)	848.54	846.29	2.25	W/ R-3067-7004; (1)
S-8	91'B'+31.07	RT-2.02	H INLET (SADDLED)	848.54	846.29	2.25	W/ R-3067-7004; (1)
S-9	92'B'+33.52	CL	CULVERT END	-	840.00	-	(2)
S-10	90'B'+73.40	LT-11.55	COLLAR		844.08		
S-11	90'B'+81.25	RT-13.47	COLLAR		845.19		

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-9	S-1	232	840.00	841.30	0.56%	10X5	BOX	-
P-2	S-4	S-5	4	844.00	845.00	25.00%	18"	RCP	-
P-3	S-5	S-6	7	845.00	845.35	5.00%	12"	RCP	-
P-4	S-3	S-10	4	844.00	844.07	1.75%	18"	PVC	-
P-5	S-5	S-11	4	845.00	845.19	4.75%	12"	PVC	-

STORM SEWER REMOVAL SCHEDULE

STORM SEWER STRUCTURE REMOVALS

STRUC. REM. NO.	STRUC. ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
R-1	AS 5053-045	90'B'+17.15	LT-4.00	4x5 SAS	-
R-2	AS 5053-044	90'B'+31.00	RT-4.50	H INLET	-
R-3	IN 5053-006	90'B'+85.55	RT-10.00	H INLET	-
R-4	IN 5053-004	90'B'+92.10	RT-10.00	H INLET	-
R-5	IN 5053-003	91'B'+31.30	RT-3.00	H INLET	-
R-6	IN 5053-002	91'B'+32.50	RT-6.00	H INLET	-

STORM SEWER PIPE REMOVALS

PIPE REM. NO.	REMOVE FROM	REMOVE TO	SIZE	TYPE	LENGTH (FT)	PAID (Y/N)	NOTES
RP-1	S-1	AS 5053-045	4X3.3 BOX	RC	17	N	-
RP-2	S-1	IN 5053-044	8X4 BOX	RC	30	N	-
RP-3	AS 5053-045	END	4X3.4 BOX	RC	214	N	-
RP-4	IN 5053-044	END	8X4 BOX	RC	200	N	-
RP-5	S-4	IN 5053-006	18"	RCP	4	N	-
RP-6	IN 5053-006	IN 5053-004	12"	RCP	7	N	-
RP-7	S-3	S-10	18"	RCP	4	N	-
RP-8	IN 5053-006	S-11	18"	RCP	5	N	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO 1	91'B'+29.20	RT-9.50	SANITARY INTERCEPTOR-MADISON	CONFIRM SYPHON ELEVATION
ULO 2	91'B'+63.00	LT-6.00	MMSD FORCEMAIN -ACTIVE	CONFIRM CASING PIPE ELEVATION
ULO 3	91'B'+43.00	LT-6.00	MMSD FORCEMAIN - ABANDON	CONFIRM FOR CUT AND PLUG

SPECIFIC NOTES

- (1) INLET DEPTH FROM TOP OF CURB TO TOP OF NEW 10X5 BOX. BID ITEM 90034
- (2) BOX CULVERT END PER CONSTRUCTION DETAILS. BID ITEM 90033
- (3) BOX CONNECTION REQUIRES TWO FRAMES AND CASTINGS PER CONSTRUCTION DETAIL. BID ITEM 90032
- (4) BID ITEM 90036

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.

PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

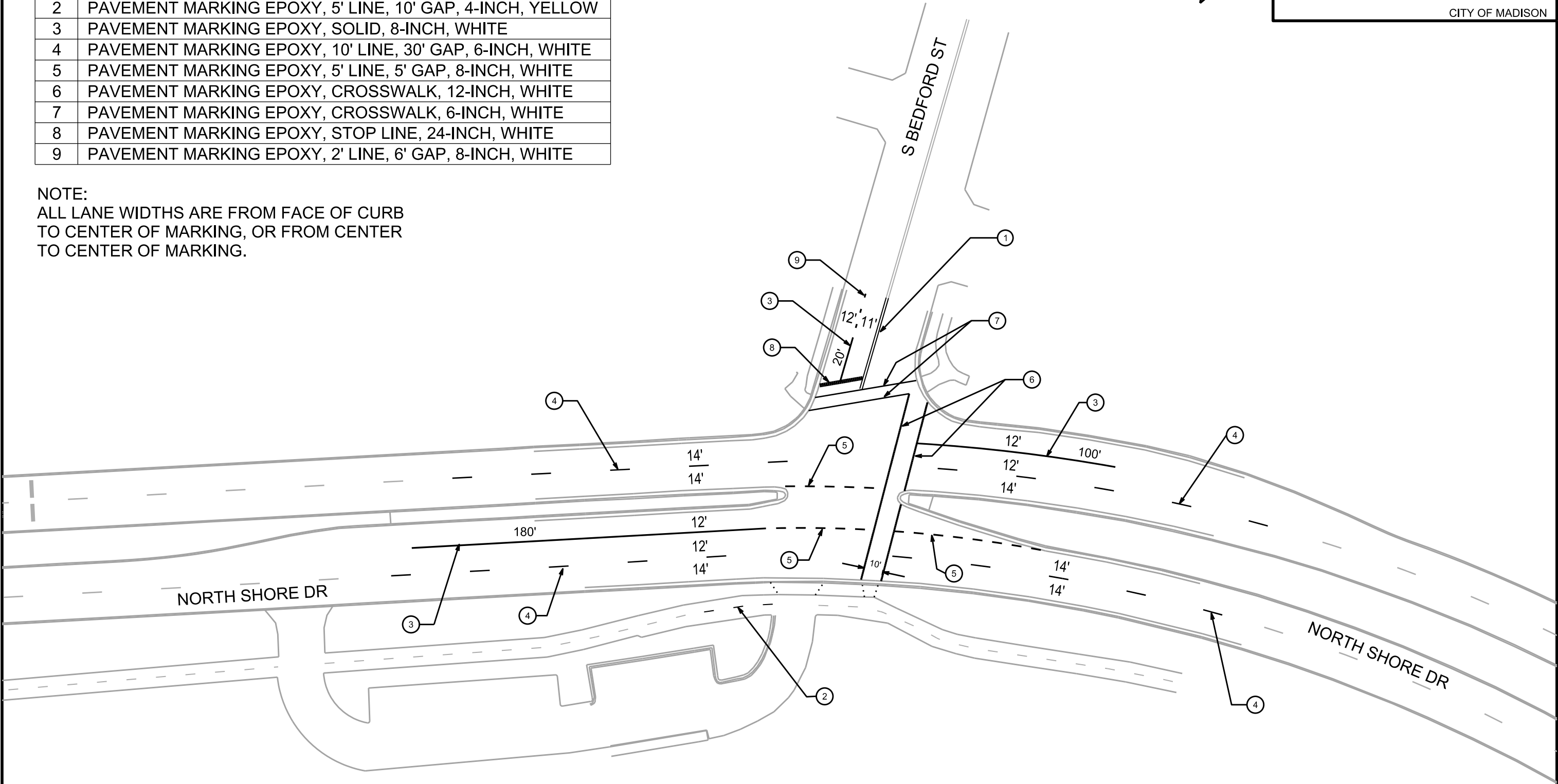
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

1	PAVEMENT MARKING EPOXY, DOUBLE YELLOW, 4-INCH
2	PAVEMENT MARKING EPOXY, 5' LINE, 10' GAP, 4-INCH, YELLOW
3	PAVEMENT MARKING EPOXY, SOLID, 8-INCH, WHITE
4	PAVEMENT MARKING EPOXY, 10' LINE, 30' GAP, 6-INCH, WHITE
5	PAVEMENT MARKING EPOXY, 5' LINE, 5' GAP, 8-INCH, WHITE
6	PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH, WHITE
7	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH, WHITE
8	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH, WHITE
9	PAVEMENT MARKING EPOXY, 2' LINE, 6' GAP, 8-INCH, WHITE

NOTE:
ALL LANE WIDTHS ARE FROM FACE OF CURB
TO CENTER OF MARKING, OR FROM CENTER
TO CENTER OF MARKING.



NORTH SHORE DR & BEDFORD ST STORM BOX REPLACEMENT - 2013	SHEET NO. M1
PROJECT NO. 53W0940 MARKING PLAN	
CITY OF MADISON	



PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

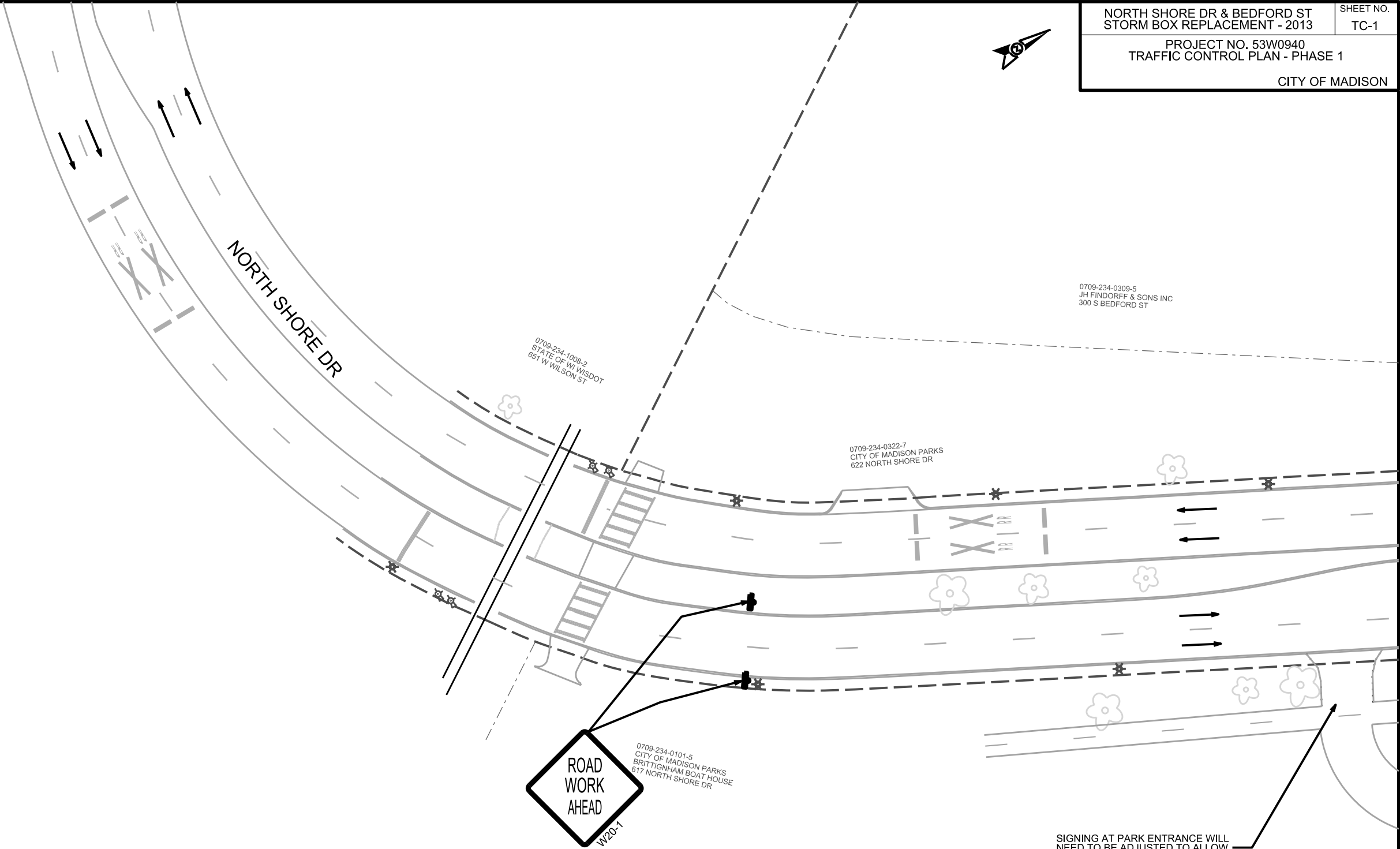
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

NORTH SHORE DR & BEDFORD ST
STORM BOX REPLACEMENT - 2013

SHEET NO.
TC-1

PROJECT NO. 53W0940
TRAFFIC CONTROL PLAN - PHASE 1

CITY OF MADISON



LEGEND

TUBULAR DELINEATOR

DRUM DELINEATOR W/LIGHT

DRUM DELINEATOR

TYPE 3 BARRICADE

TYPE 3 BARRICADE W/SIGN

ELECTRONIC ARROWBOARD

WORK ZONE

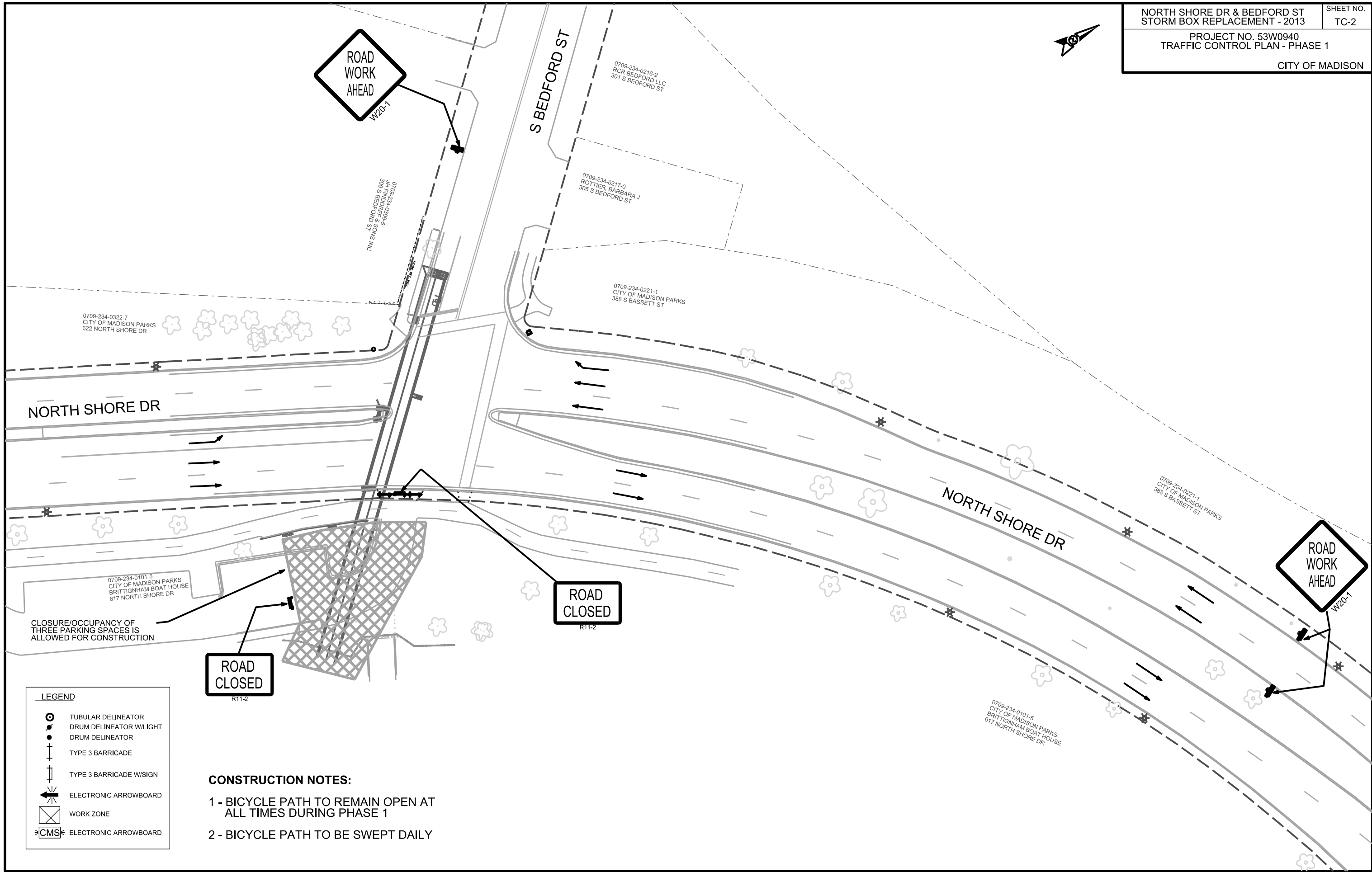
ELECTRONIC ARROWBOARD

PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

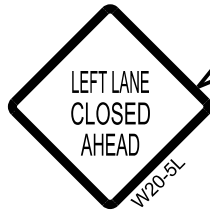


PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



NOTE:
SIGNS TO BE PLACED AT
INTERVALS OF 200 FEET IN
ADVANCE OF THE START OF
LANE CLOSURE TAPERS

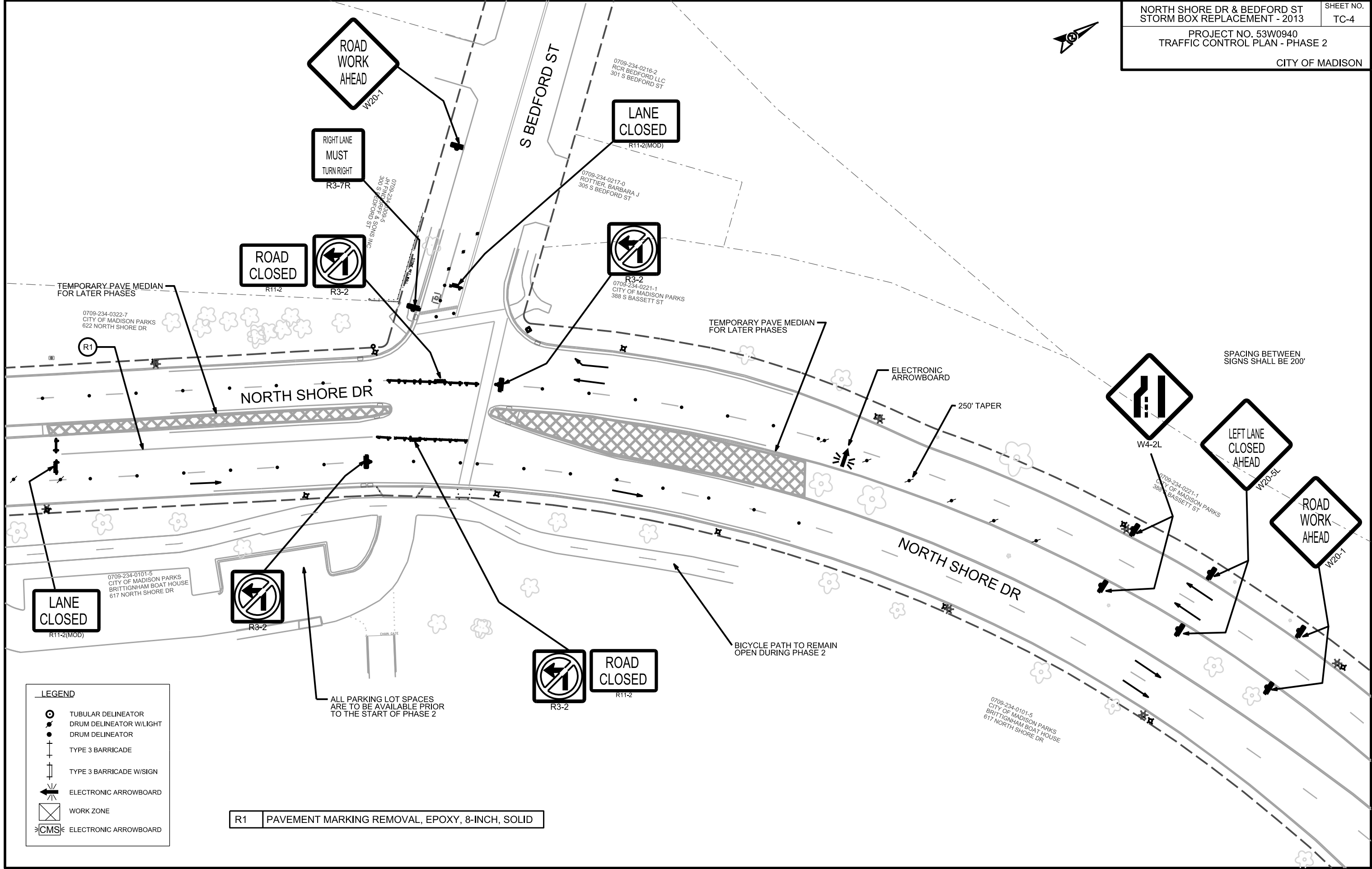
LEGEND	
	TUBULAR DELINEATOR
	DRUM DELINEATOR W/LIGHT
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	ELECTRONIC ARROWBOARD

PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



LEGEND

TUBULAR DELINEATOR

DRUM DELINEATOR W/LIGHT

DRUM DELINEATOR

TYPE 3 BARRICADE

TYPE 3 BARRICADE W/SIGN

ELECTRONIC ARROWBOARD

WORK ZONE

CMS ELECTRONIC ARROWBOARD

R1 PAVEMENT MARKING REMOVAL, EPOXY, 8-INCH, SOLID

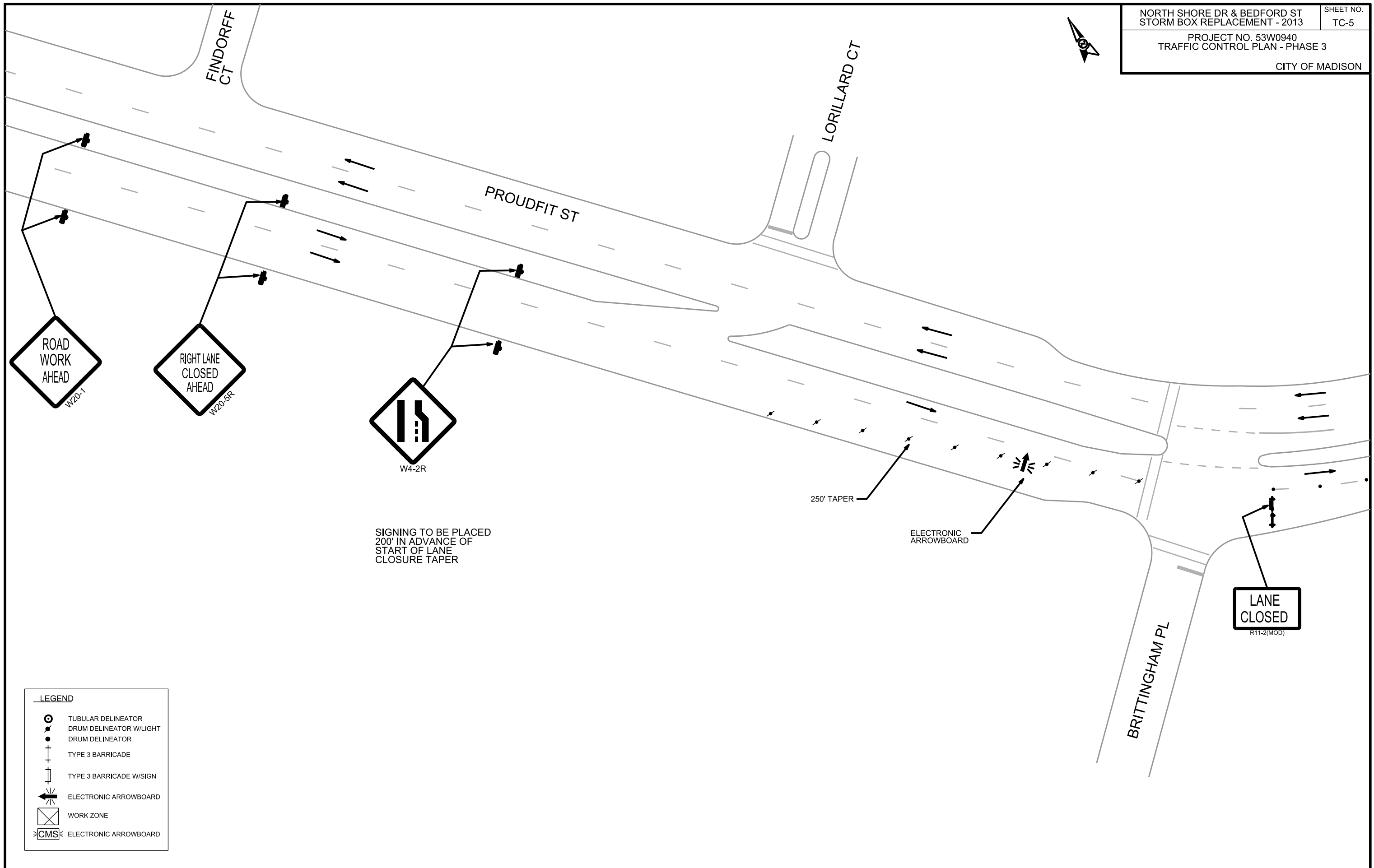


PLOT SCALE: 1":50'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



0709-234-0309-5
JH FINDORFF & SONS INC
300 S BEDFORD ST

0709-234-1008-2
STATE OF WI WISDOT
651 W WILSON ST

0709-234-0322-7
CITY OF MADISON PARKS
622 NORTH SHORE DR

0709-234-0101-5
CITY OF MADISON PARKS
BRITTIGNHAM BOAT HOUSE
617 NORTH SHORE DR

NORTH SHORE DR

LEGEND

TUBULAR DELINEATOR

DRUM DELINEATOR W/LIGHT

DRUM DELINEATOR

TYPE 3 BARRICADE

TYPE 3 BARRICADE W/SIGN

ELECTRONIC ARROWBOARD

WORK ZONE

CMS ELECTRONIC ARROWBOARD

T1	TEMPORARY PAVEMENT MARKING TAPE, 4-INCH, YELLOW
T2	TEMPORARY PAVEMENT MARKING TAPE, 4-INCH, WHITE

W1-4L

25
M.P.H.

WO13-1

R6-2R

MAINTAIN DRIVEWAY
AT ALL TIMES DURING
PHASE 3



NOTE:
A MINIMUM OF 4:1
TAPER TO 8' CLEAR
DISTANCE IS REQUIRED
FOR BARRIERS



OM-3R
ON CONCRETE
BARRIER

W1-4R
25
M.P.H.
WO13-1



LANE
CLOSED

RIGHT LANE
MUST
TURN RIGHT
R3-7R

A rectangular white sign with a black border and the words "ROAD CLOSED" in black capital letters.

 ON CONCRETE
BARRIER

— ELECTRONIC
ARROWBOARD









50' TAPER

SPACING BETWEEN
SIGNS SHALL BE 200'



NORTH SHORE DR

LEGEND

- | | |
|---|-------------------------|
|  | TUBULAR DELINEATOR |
|  | DRUM DELINEATOR W/LIGHT |
|  | DRUM DELINEATOR |
|  | TYPE 3 BARRICADE |
|  | TYPE 3 BARRICADE W/SIGN |
|  | ELECTRONIC ARROWBOARD |
|  | WORK ZONE |
|  | ELECTRONIC ARROWBOARD |

NOTE:

1. USE CAUTION TAPE BETWEEN BARRELS FOR BICYCLE LANE
2. SWEEP BICYCLE LANE DAILY
3. BICYCLE PATH SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PRIOR TO THE COMPLETION OF PHASE 3
4. CONSTRUCTION BARRELS TO BE PLACED AT EACH END OF CONCRETE BARRIER
5. ALL BARRELS MARKING THE BIKE PATH OR SHIFTING TRAFFIC MUST HAVE "TYPE.C" WARNING LIGHTS.

T1	TEMPORARY PAVEMENT MARKING TAPE, 4-INCH, YELLOW
T2	TEMPORARY PAVEMENT MARKING TAPE, 4-INCH, WHITE

PLOT SCALE: 1":50'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

FILE NAME: \$\$....designfile....\$\$

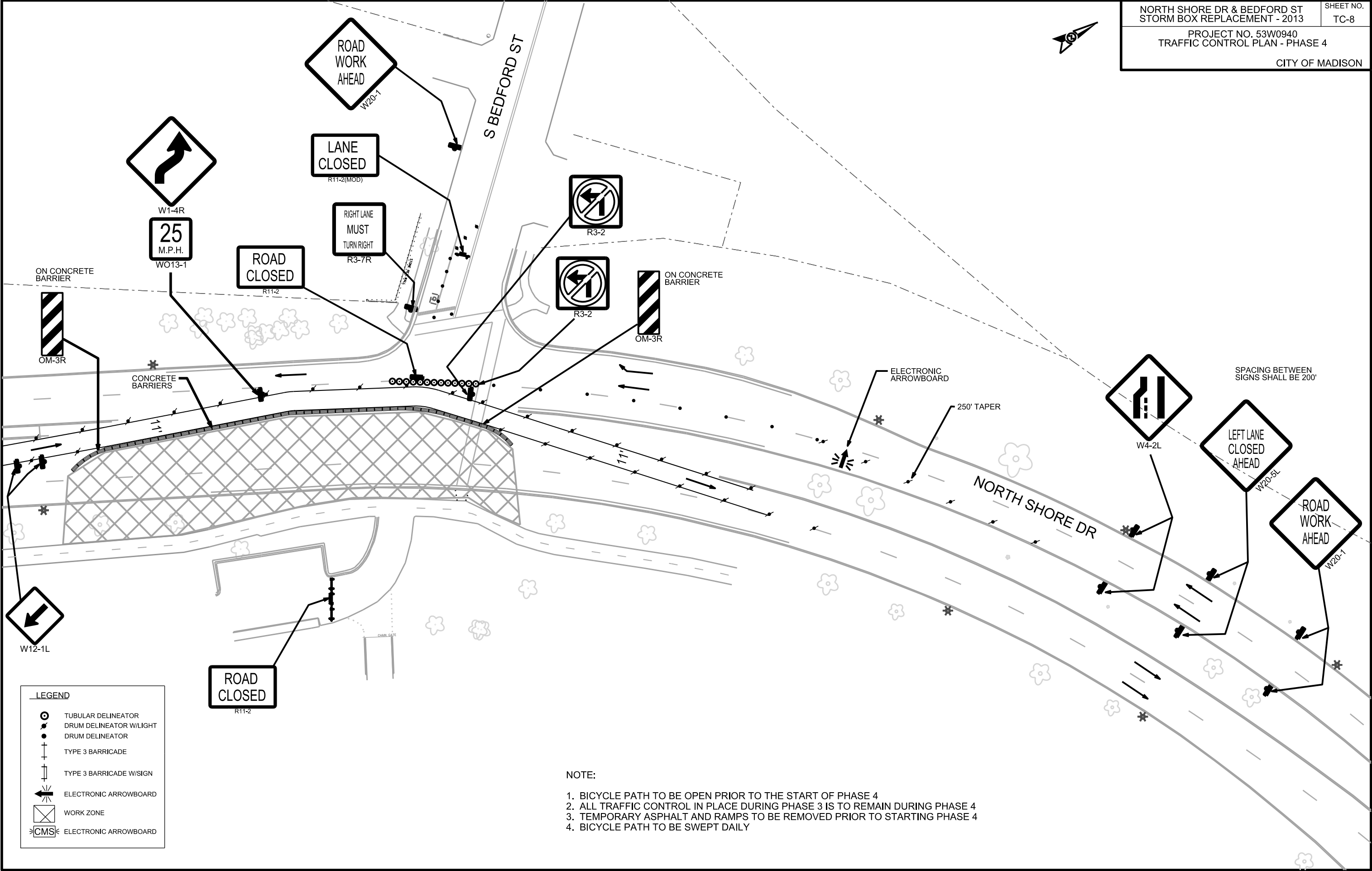
DATE: \$\$...plottingdate...\$\$

PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



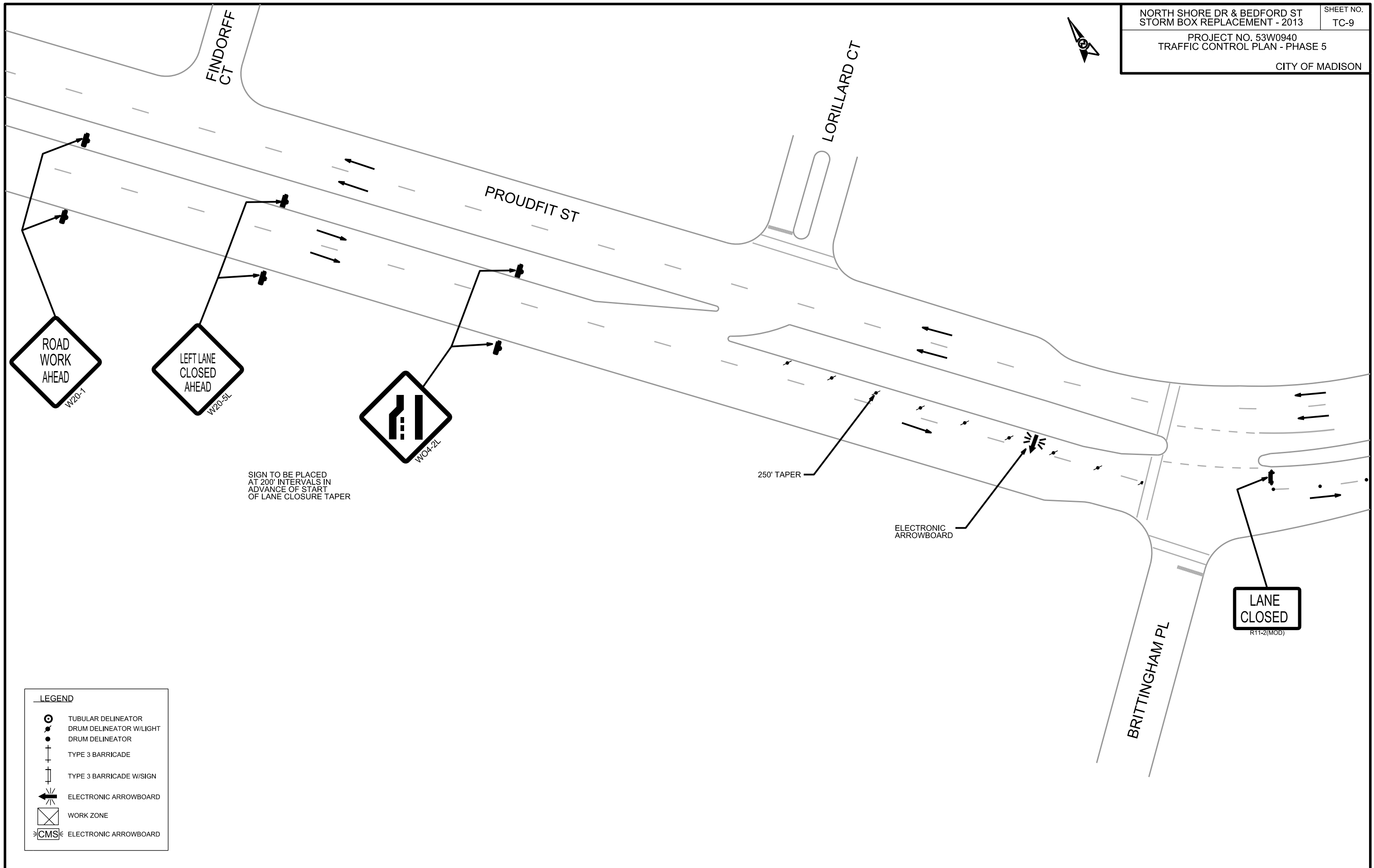


PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

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PLOT SCALE: 1"=50'

PLOT NAME:

REV. DATE:

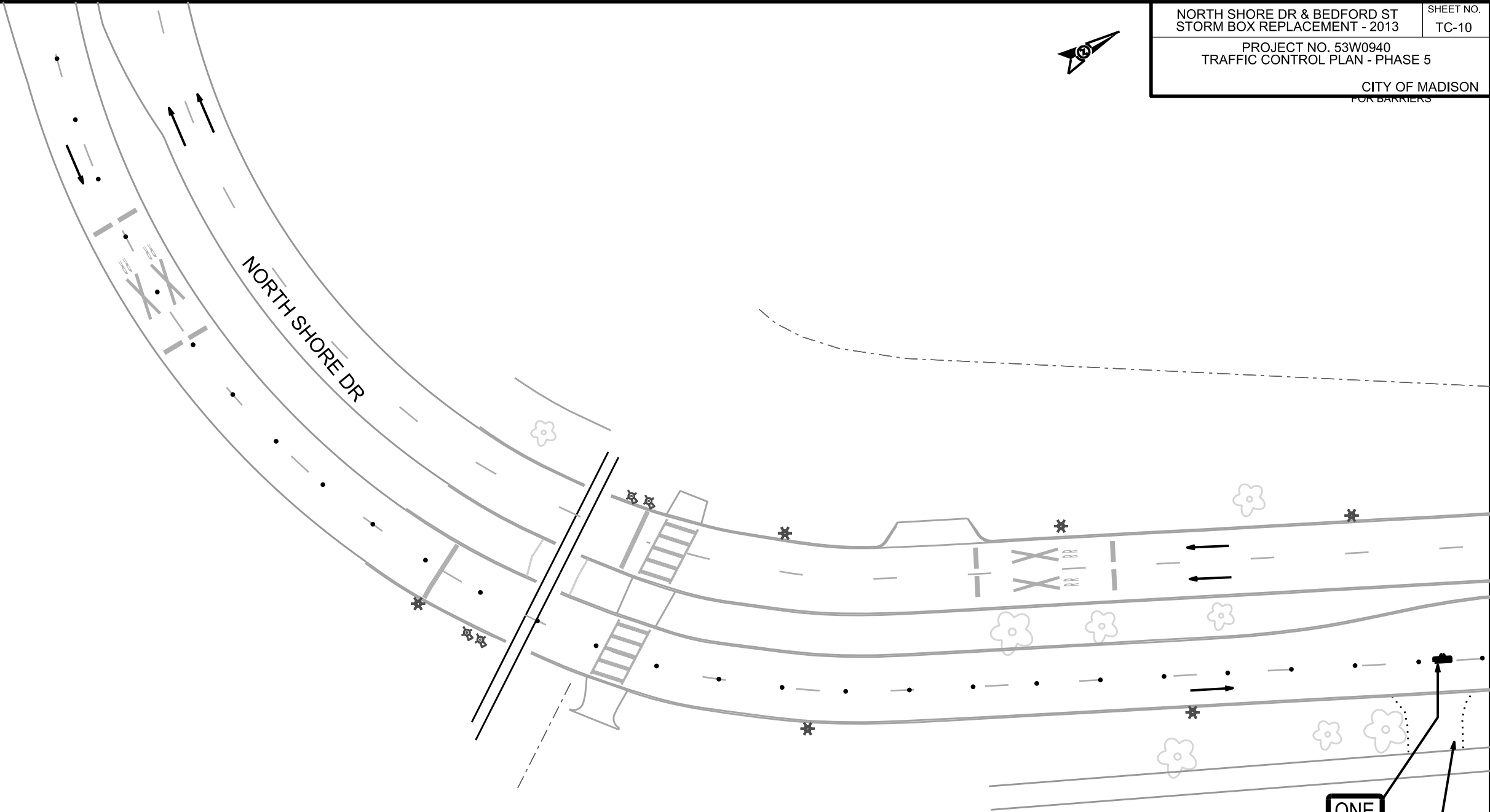
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

NORTH SHORE DR & BEDFORD ST
STORM BOX REPLACEMENT - 2013

SHEET NO.
TC-10

PROJECT NO. 53W0940
TRAFFIC CONTROL PLAN - PHASE 5

CITY OF MADISON
FOR BARRIERS



LEGEND

TUBULAR DELINEATOR

DRUM DELINEATOR W/LIGHT

DRUM DELINEATOR

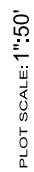
TYPE 3 BARRICADE

TYPE 3 BARRICADE W/SIGN

ELECTRONIC ARROWBOARD

WORK ZONE

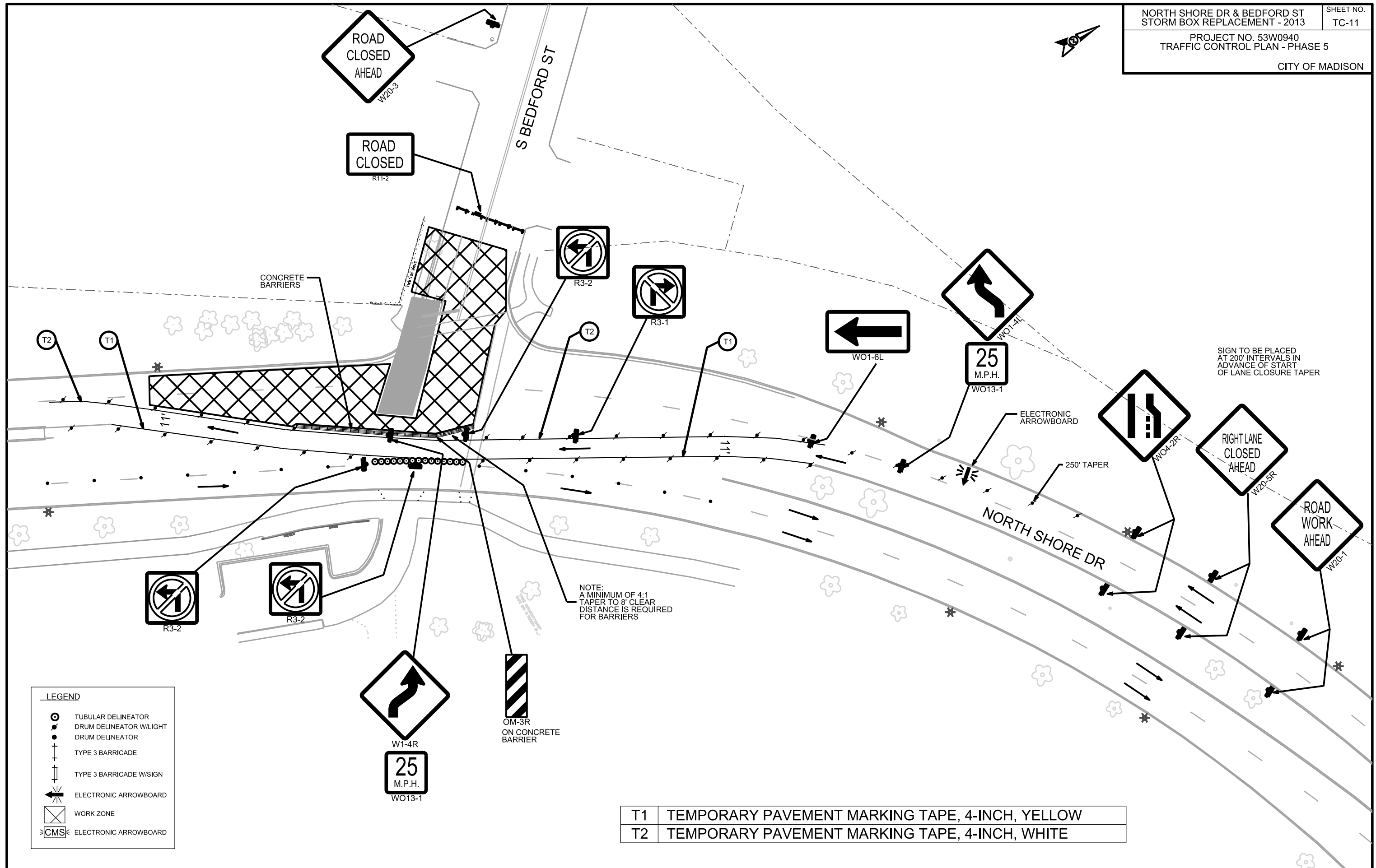
ELECTRONIC ARROWBOARD



PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



ELECTRICAL PLAN






NORTH SHORE DR

CITY OF MADISON

6/21/10 KF SL1012.dgn

6/4/13 REV. KF

LEGEND

-  ELECTRICAL HANDHOLE TYPE I
-  INSTALL PVC (SIZE NOTED)
-  E - EXISTING CONDUIT
-  EXISTING STREETLIGHT
-  EXISTING ELECTRICAL HANDHOLE

GENERAL ELECTRIC 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 DAN DETTMANN (266-6536) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR HANDHOLE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2013 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
4. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:

TYPE I HANDHOLES: 2

