

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

JOHN NOLEN DRIVE / NORTH SHORE DRIVE

ISLAND MODIFICATIONS

CITY PROJECT NO. 53W1546

CITY CONTRACT NO. 6986

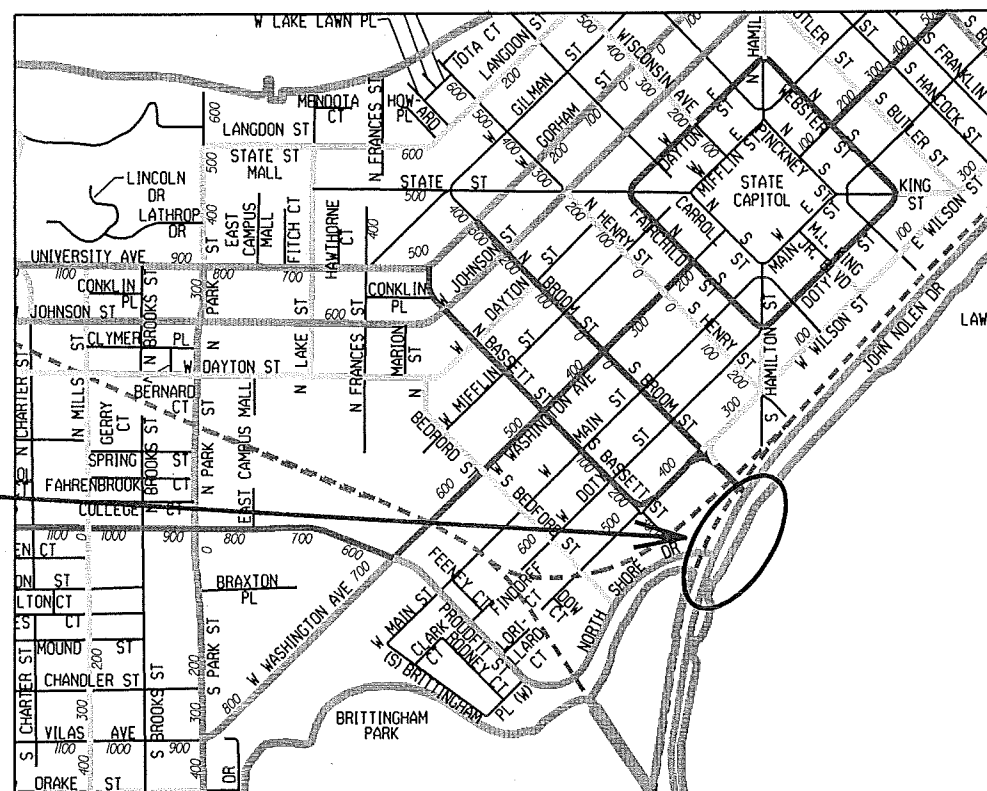
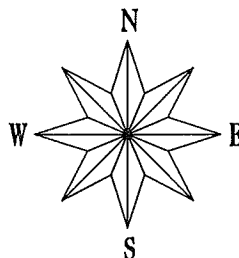
INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE
D-1	TYPICAL SECTIONS
D-2 - D-3	DETAILS
P-1	STREET PLAN & PROFILE
U-1	UTILITY PLAN & PROFILE
E-1	ELECTRICAL PLAN
MI-M2	PAVEMENT MARKING PLAN
TC1-TC20	TRAFFIC CONTROL PLANS

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:

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%.

EROSION CONTROL SHOWN ON SHEET U-1

PUBLIC IMPROVEMENT PROJECT
APPROVED

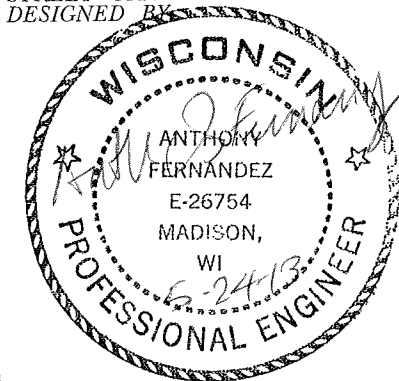
MARCH 19, 2013

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

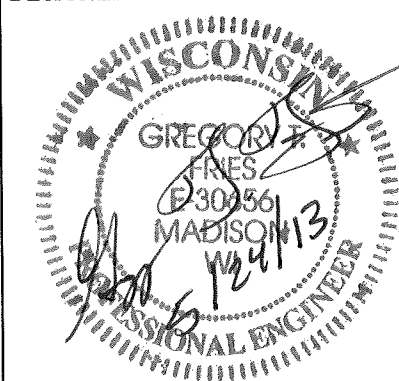
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer Date 5/24/13

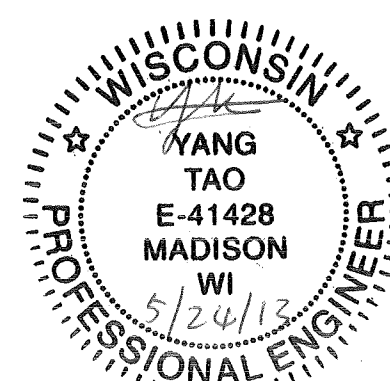
STREET GRADES
DESIGNED BY:



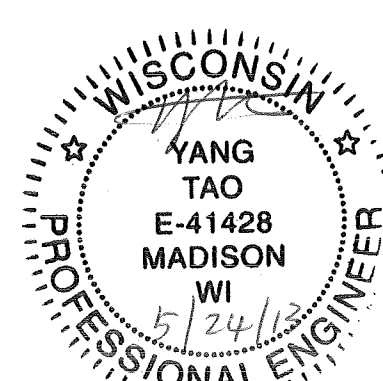
STORM SEWER
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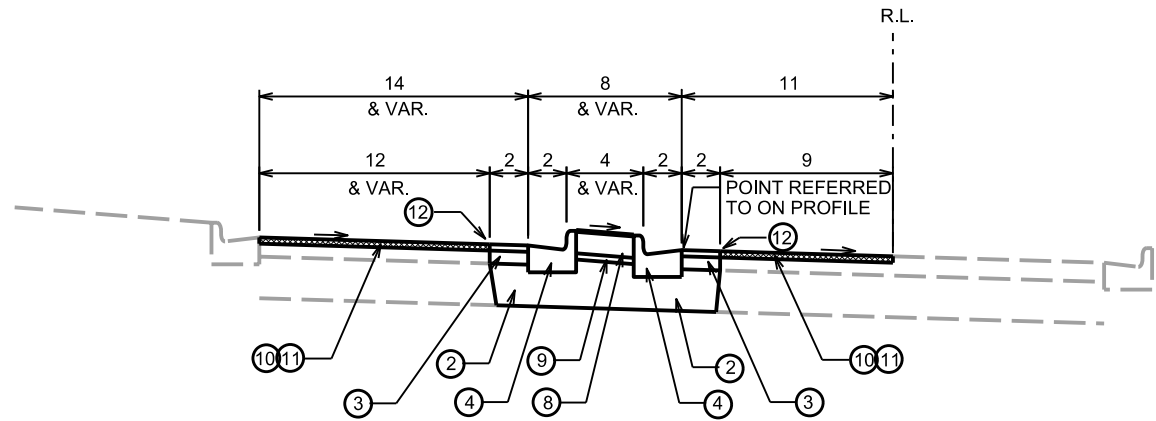


ELECTRICAL
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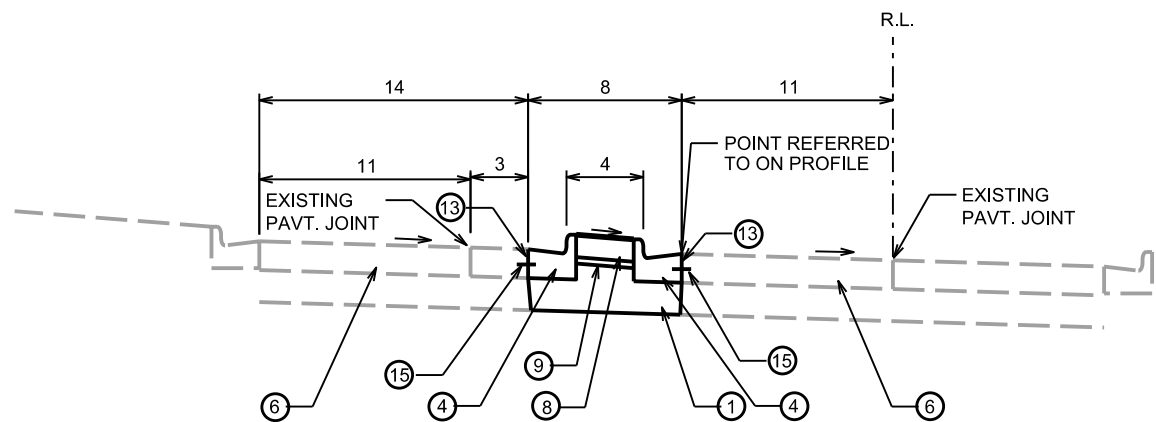


GEOMETRICS & PAVEMENT MARKING
& TRAFFIC CONTROL DESIGNED BY:

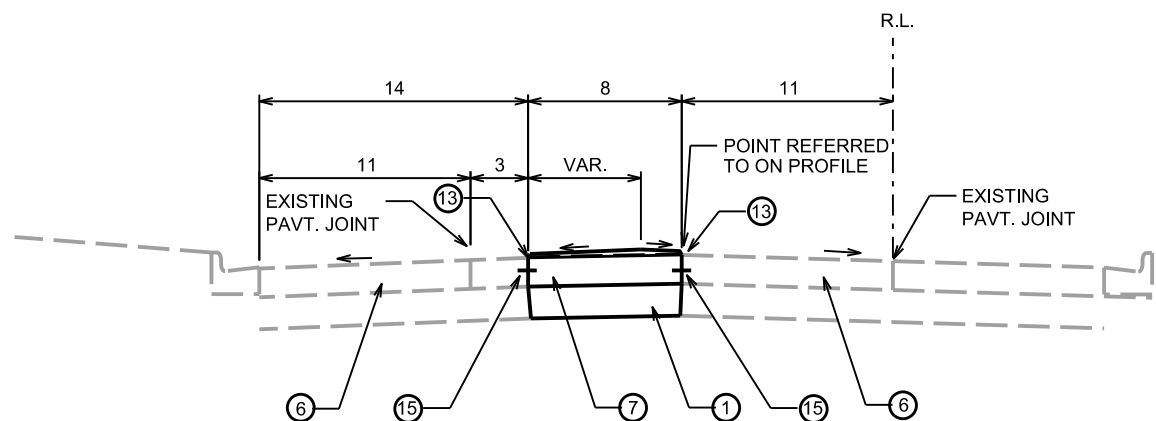




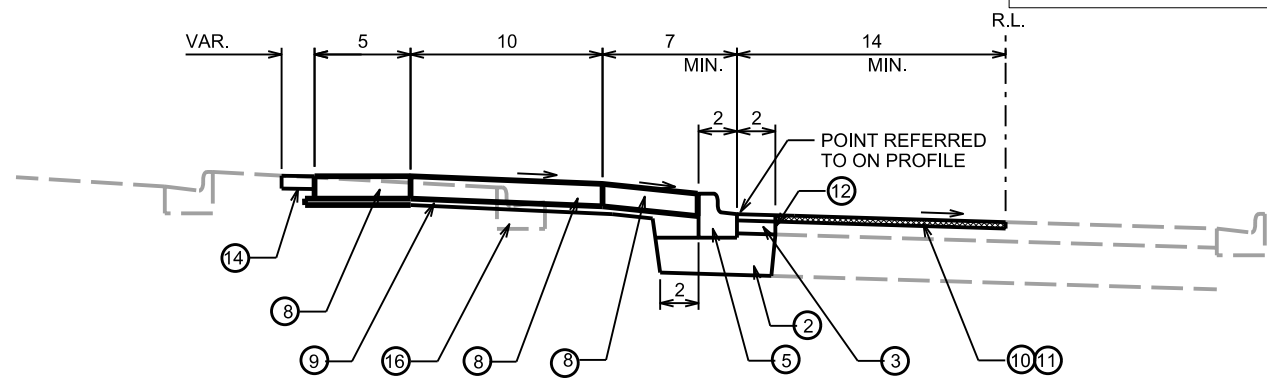
PROPOSED TYPICAL SECTION
JOHN NOLEN ISLANDS STA 52+35 TO STA 53+24



PROPOSED TYPICAL SECTION
JOHN NOLEN ISLANDS STA 53+24 TO STA 54+00



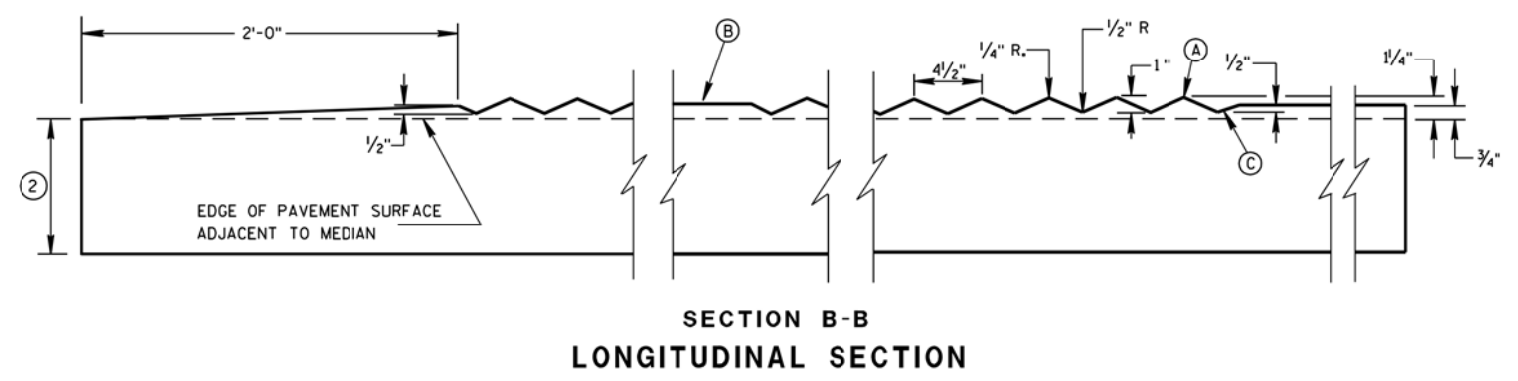
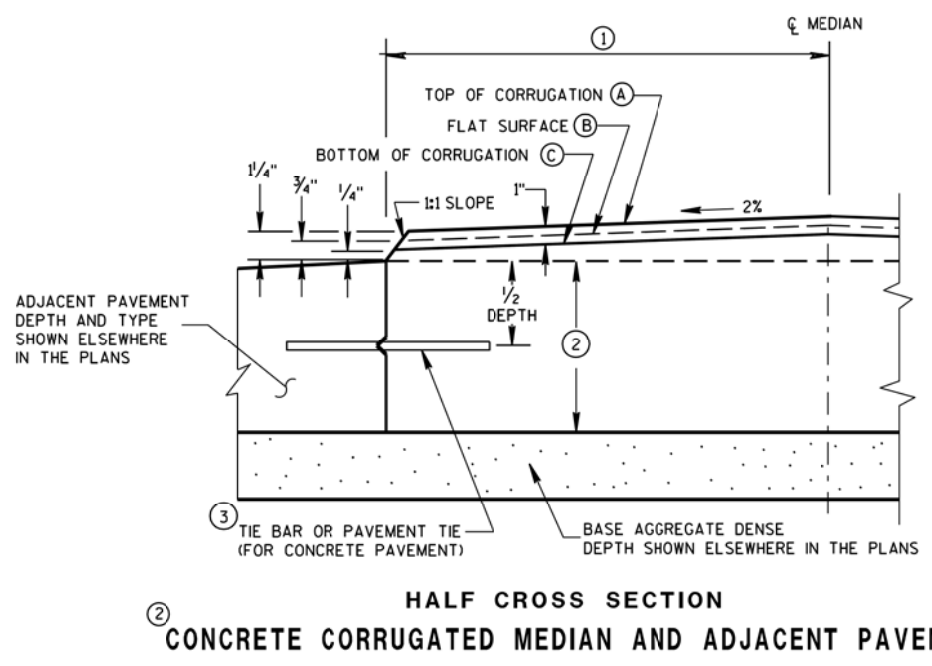
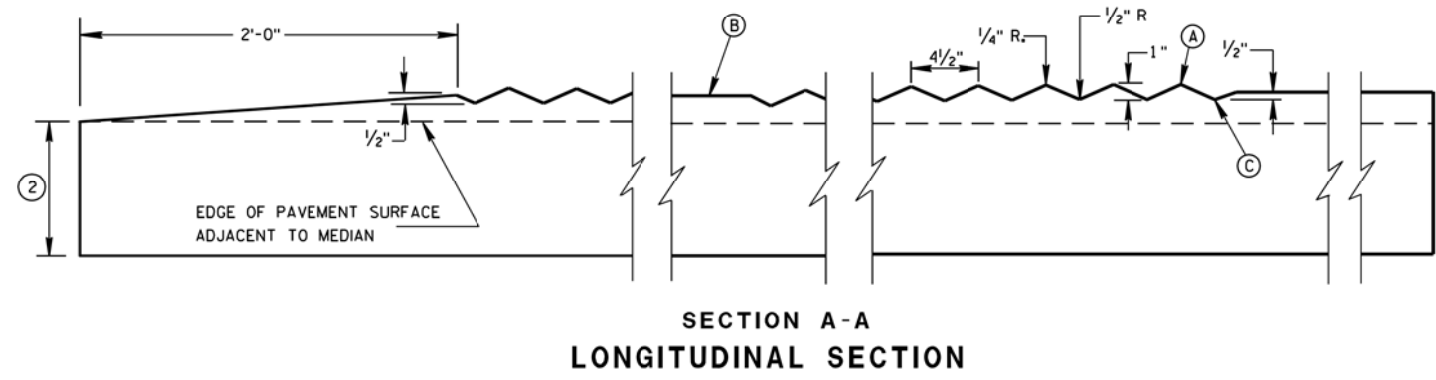
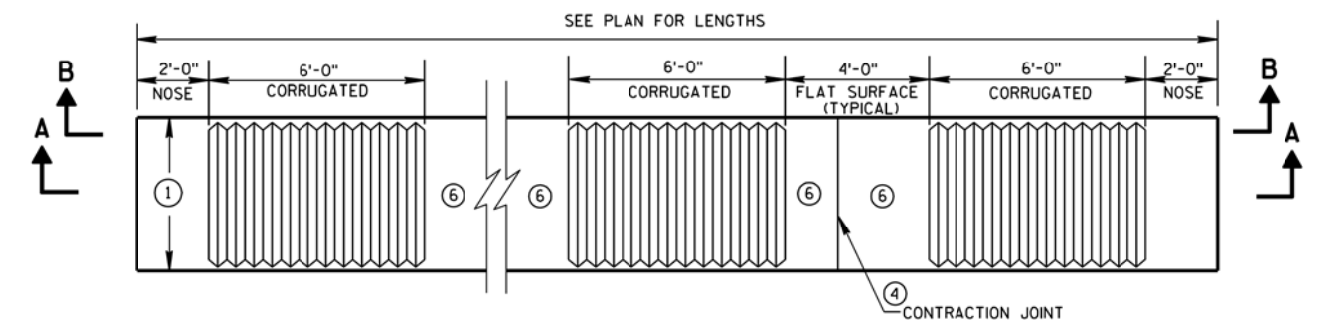
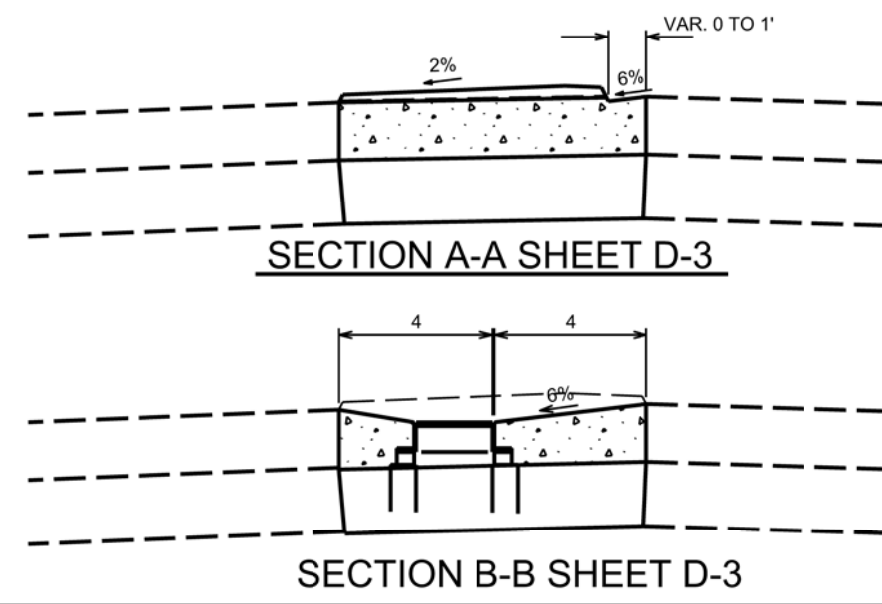
PROPOSED TYPICAL SECTION
JOHN NOLEN ISLANDS STA 54+00 TO STA 55+00



PROPOSED TYPICAL SECTION
JOHN NOLEN ISLANDS STA 51+25 TO STA 51+70

- LEGEND
- 1 10" CRUSHED AGGREGATE BASE COURSE, GRAD. NO. 2
 - 2 13" CRUSHED AGGREGATE BASE COURSE GRAD. NO 2
 - 3 6" HMA PAVEMENT TYPE E-3 (SEE NOTES 1)
 - 4 CONCRETE CURB AND GUTTER TYPE A (30-INCH)
 - 5 CONCRETE CURB AND GUTTER, TYPE E (24-INCH REJECT)
 - 6 EXISTING 9" CONCRETE PAVEMENT (DOWELED) TO REMAIN
 - 7 CONCRETE CORRUGATED MEDIAN (SEE DEETAIL)
 - 8 7" CONCRETE SIDEWALK
 - 9 2" GRANULAR FILL (INCIDENTAL)
 - 10 FULL WIDTH GRINDING, 2-INCH NOM. DEPTH
 - 11 2" HMA PAVEMENT TYPE E-3 (SEE NOTE 1)
 - 12 SAW CUT EXISTING ASPHALT PAVEMENT
 - 13 SAW CUT EXISTING CONCRETE PAVEMENT
 - 14 4" TOPSOIL, SEED ANE EROSION MATTING CLASS 1 TYPE URBAN
 - 15 TIE BARS #6 X 1'-0" AT 3'-0" SPACING
 - 16 REMOVE EXISTING CONCRETE CURB & GUTTER

- NOTES
- 6" ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED AS FOLLOWS:
UPPER LAYER 2", NOM. AGGREGATE SIZE 12.5 MM, PG 64-28
LOWER LAYER 4", NOM. AGGREGATE SIZE 19 MM, PG 64-22
 - ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED AS FOLLOWS:
SINGLE LAYER 2", NOM AGGREGATE SIZE 12.5 MM, PG 64-28
- THE UPPER LAYER OF 6" PAVEMENT SHALL BE PLACED AS A SINGLE CONTINUOUS LIFT WITH THE 2" PAVEMENT IN THE AREA OF GRINDING.



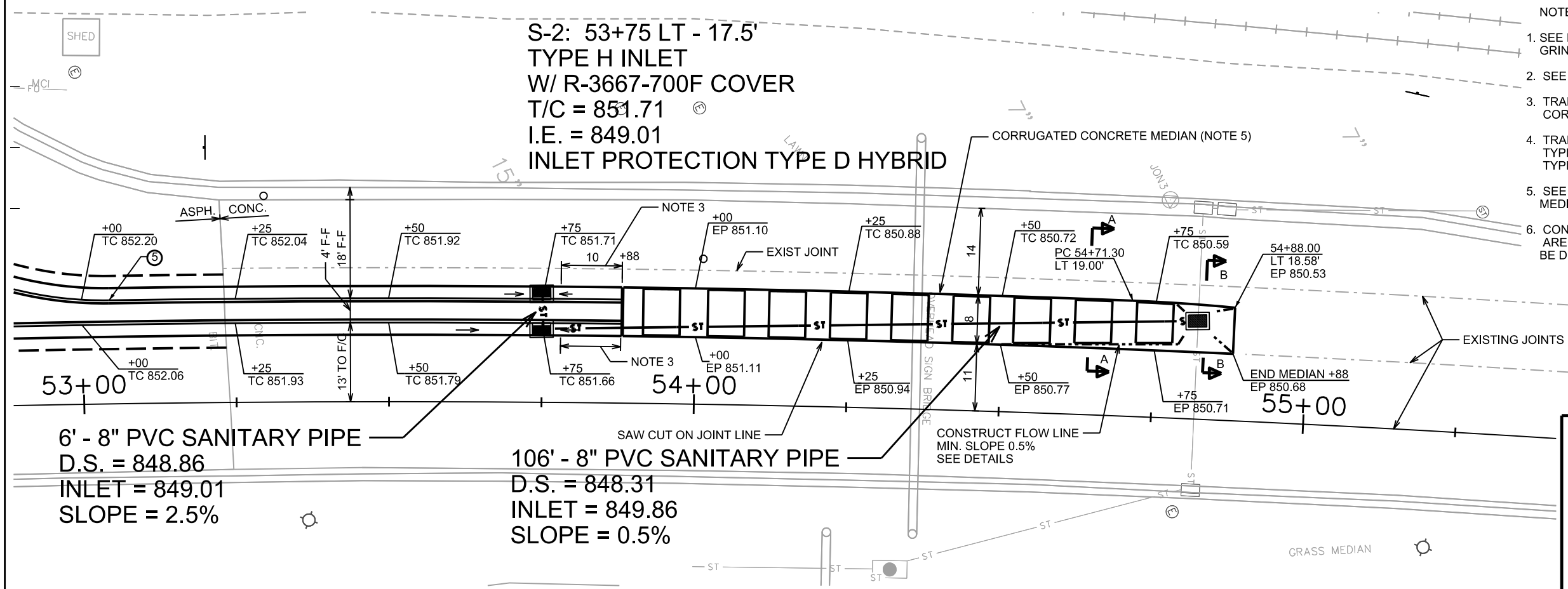
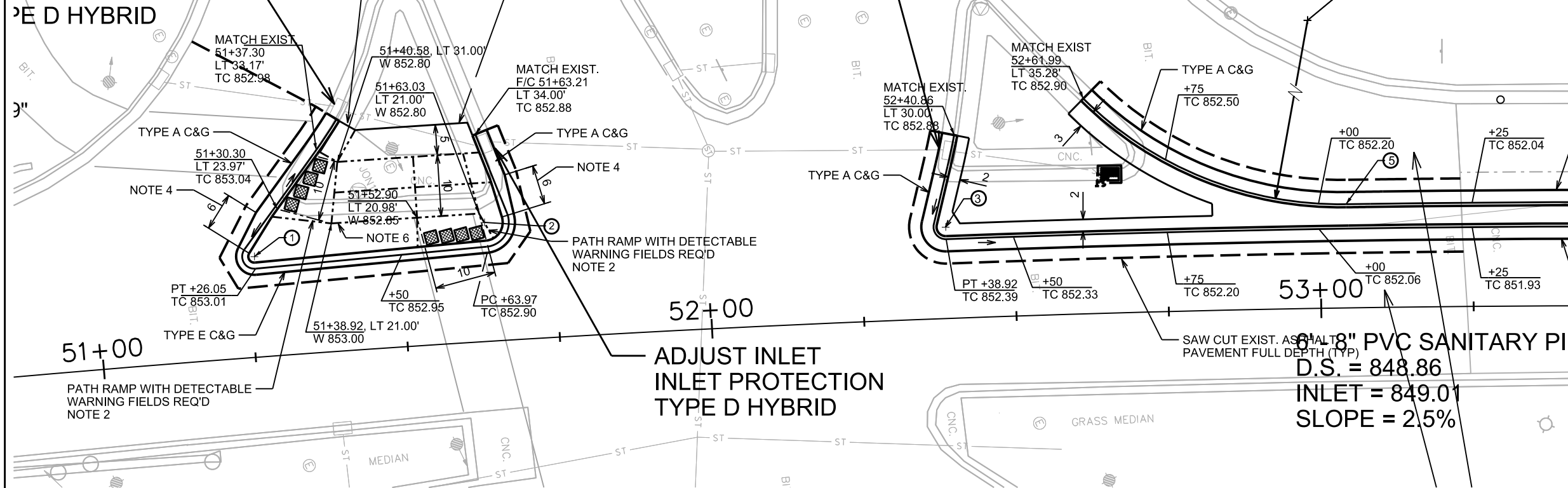
- GENERAL NOTES**
- ① SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.
 - ② THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:
 - (1) NEW OR EXISTING CONCRETE PAVEMENT.
 - (2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.
 - (3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.
 - ③ TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C. INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP). PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1 THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.
 - ④ CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE, TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.
 - ⑤ SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.
 - ⑥ YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.

PLOT SCALE: _____

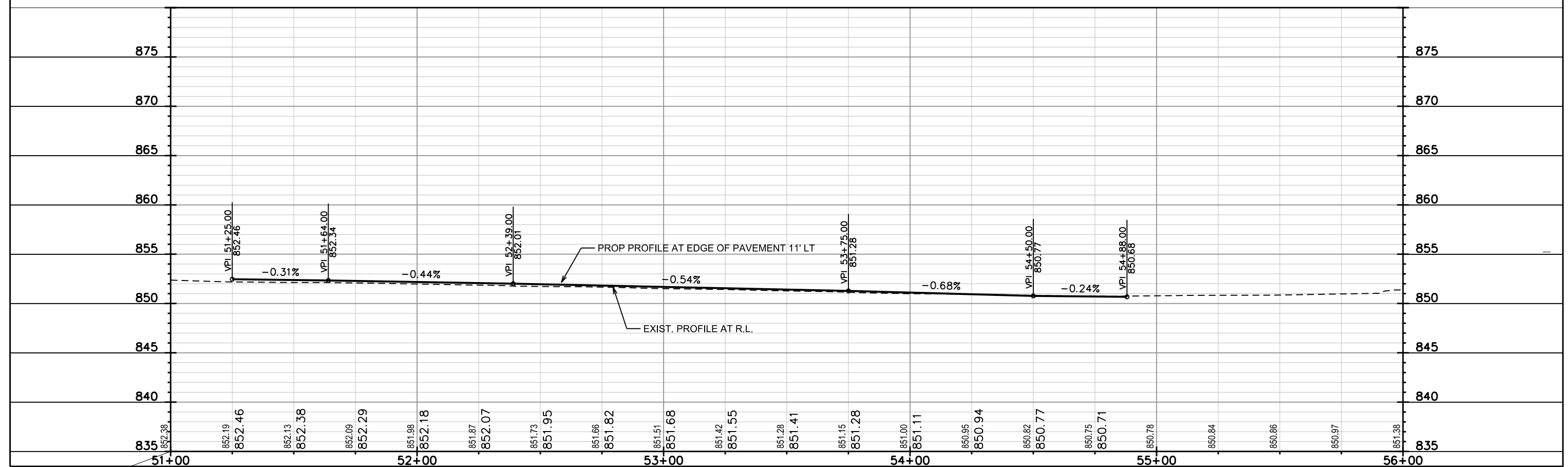
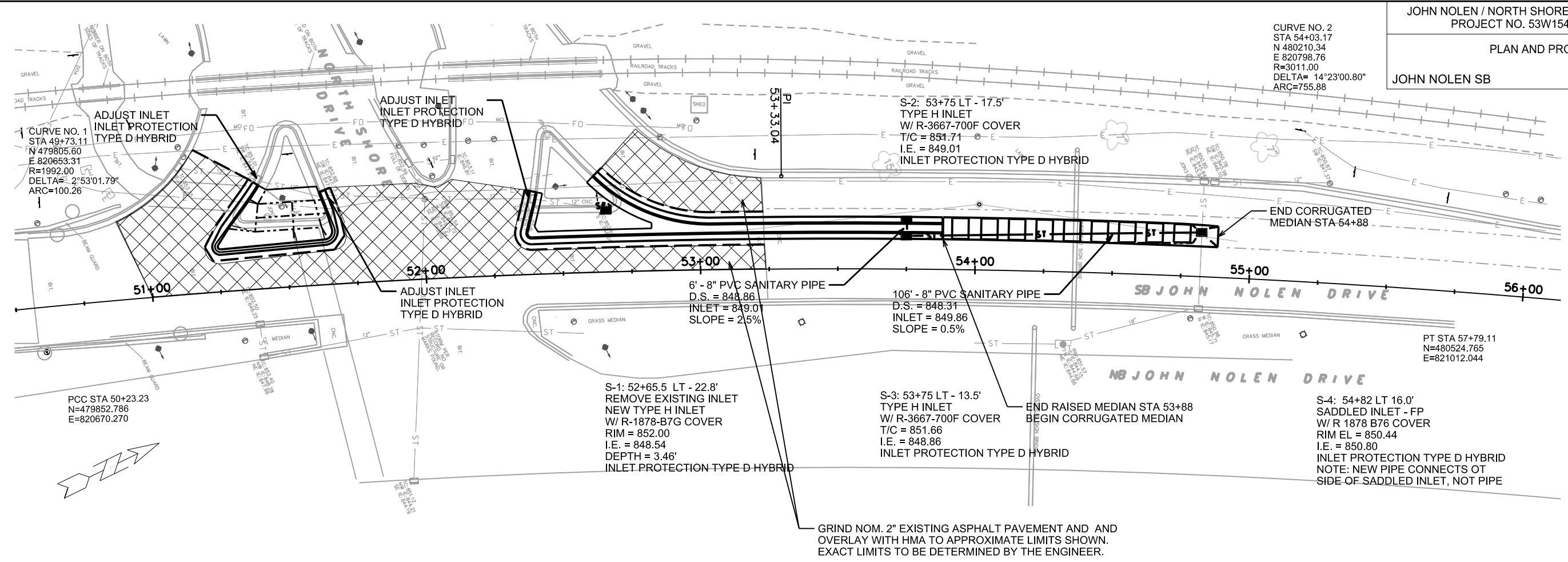
PLOT NAME: _____

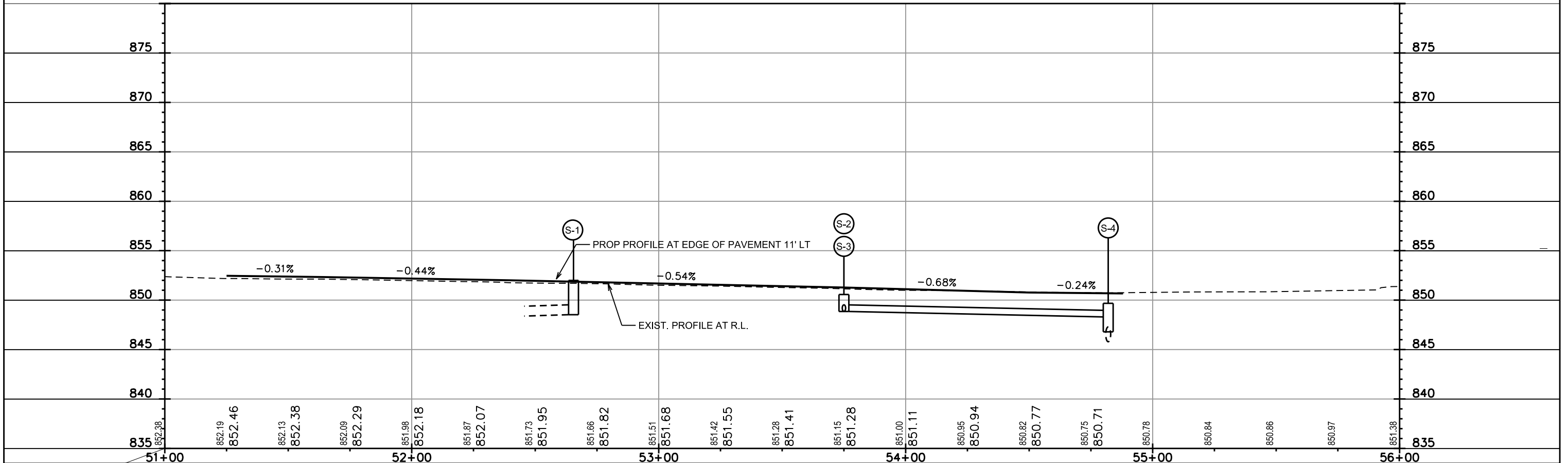
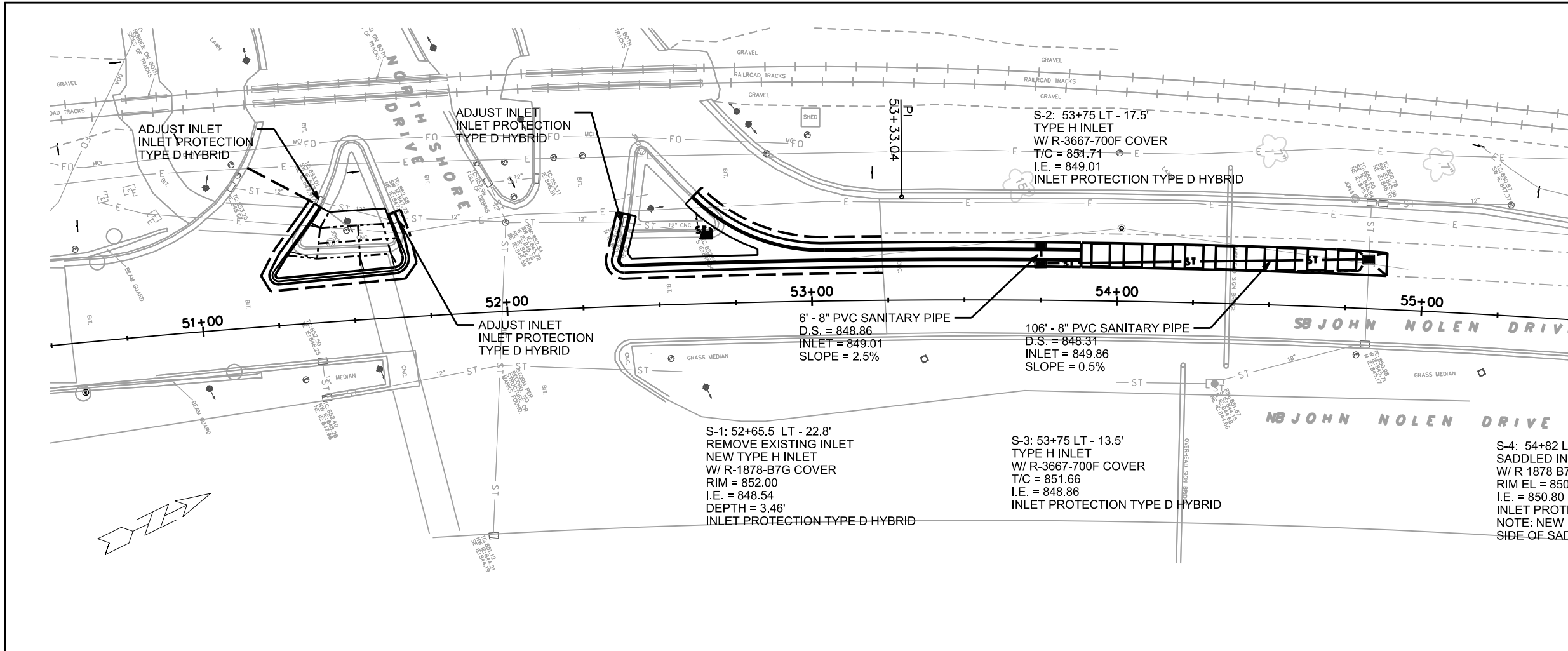
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



POINT TABLE				
POINT			RADIUS	
NO	DESCR.	STATION	OFFSET	TO F/CURB
①	CC	51+26.01	16.50' LT	2.00'
②	CC	51+63.81	19.50' LT	4.00'
③	CC	52+38.92	15.00' LT	2.00'
④	CC	53+04.32	77.00' LT	60.00'
⑤	PT	53+04.32	17.00' LT	60.00'





PLOT SCALE:

PLOT NAME:

REV. DATE:

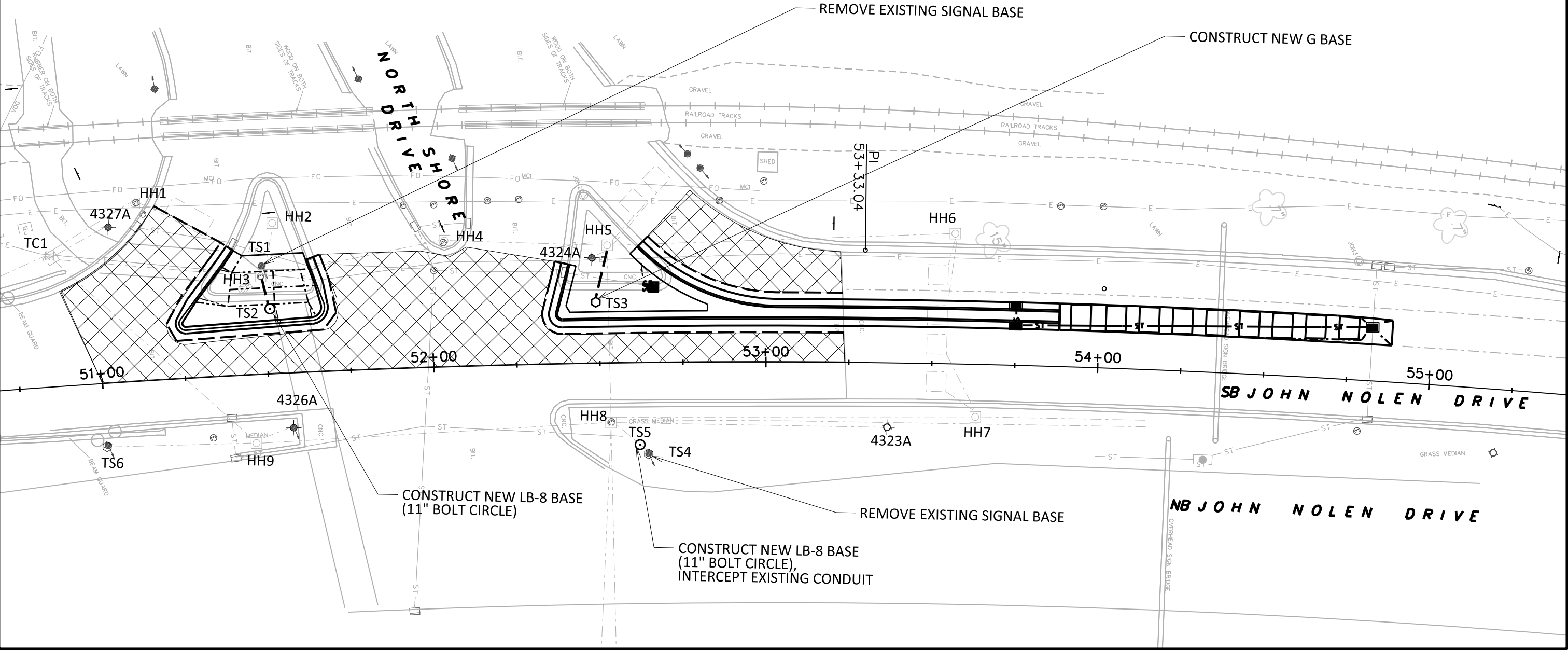
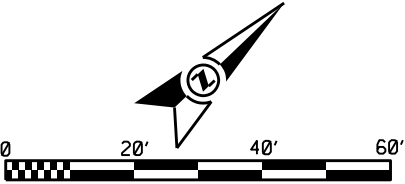
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

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 YANG TAO (266-4815) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
2. BASES INSTALLED IN THE MEDIAN SHALL BE A MINIMUM OF 5' FROM FACE OF CURB UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.
3. 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 ROADWAY PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
4. 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.
5. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS:
 - 3/4" x 19" ANCHOR BOLTS - 1 SET OF 4
 - 1-1/4" x 48" ANCHOR BOLTS - 2 SETS OF 4ARRANGE FOR PICK UP OF THESE MATERIALS BY CALLING DENNIS ROWE IN THE TRAFFIC ENGINEERING SHOP AT (266-4767) AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS.

LEGEND	
	LB-8 BASE
	TRAFFIC SIGNAL BASE
	INSTALL 3" PVC UNLESS OTHERWISE NOTED
	EXISTING ELECTRICAL CONDUIT
	EXISTING TRAFFIC SIGNAL LOOP DETECTOR
	EXISTING ELECTRICAL HANDHOLE
	EXISTING STREETLIGHT BASE
	EXISTING TRAFFIC SIGNAL BASE
	EXISTING TRAFFIC CONTROLLER BASE

JOHN NOLEN DR PROJECT NO. 53W1546		SHEET NO. E-1
ELECTRICAL PLAN		
JOHN NOLEN DR NORTH SHORE DR		CITY OF MADISON
5-9-13 YT SL1307		



Epoxy markings outside of repaving limits shall be installed over existing markings.

Callout	Bid Item	Description
1	60802	Pavement Marking Epoxy, 6-Inch White Skips, (10' Line, 30' Gap)
2	60814	Pavement Marking Epoxy, 12-Inch White Crosswalk
3	60803	Pavement Marking Epoxy, 8-Inch Solid White
4	60834	Pavement Marking Epoxy, Word, "ONLY"
5	60830	Pavement Marking Epoxy, Symbol, Right Arrow
6	60803	Pavement Marking Epoxy, 8-Inch White Skips, (2' Line, 6' Gap)
7	60818	Pavement Marking Epoxy, 24-Inch White, Stop Line
8	60806	Pavement Marking Epoxy, Radius Line, 6-Inch White Skips (5' Line, 5' Gap)
9	60835	Pavement Marking Epoxy, Symbol, Railroad Crossing
10	60881	Pavement Marking Removal, 6-Inch
11	60882	Pavement Marking Removal, 8-Inch
12	60810	Pavement Marking Epoxy, Diagonal Line, 8-Inch

Epoxy markings outside of repaving limits shall be installed over existing markings.

Diagonal lines spaced at 10' at 45 degree angle to longitudinal line.

End of 8" Line

End of 8" Line

End of 8" Line

-12" White Crosswalk lines
-10' space inside of lines
-Do Not Remark 18" white bars
-City of Madison to install green high friction surface between 12" crosswalk lines.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

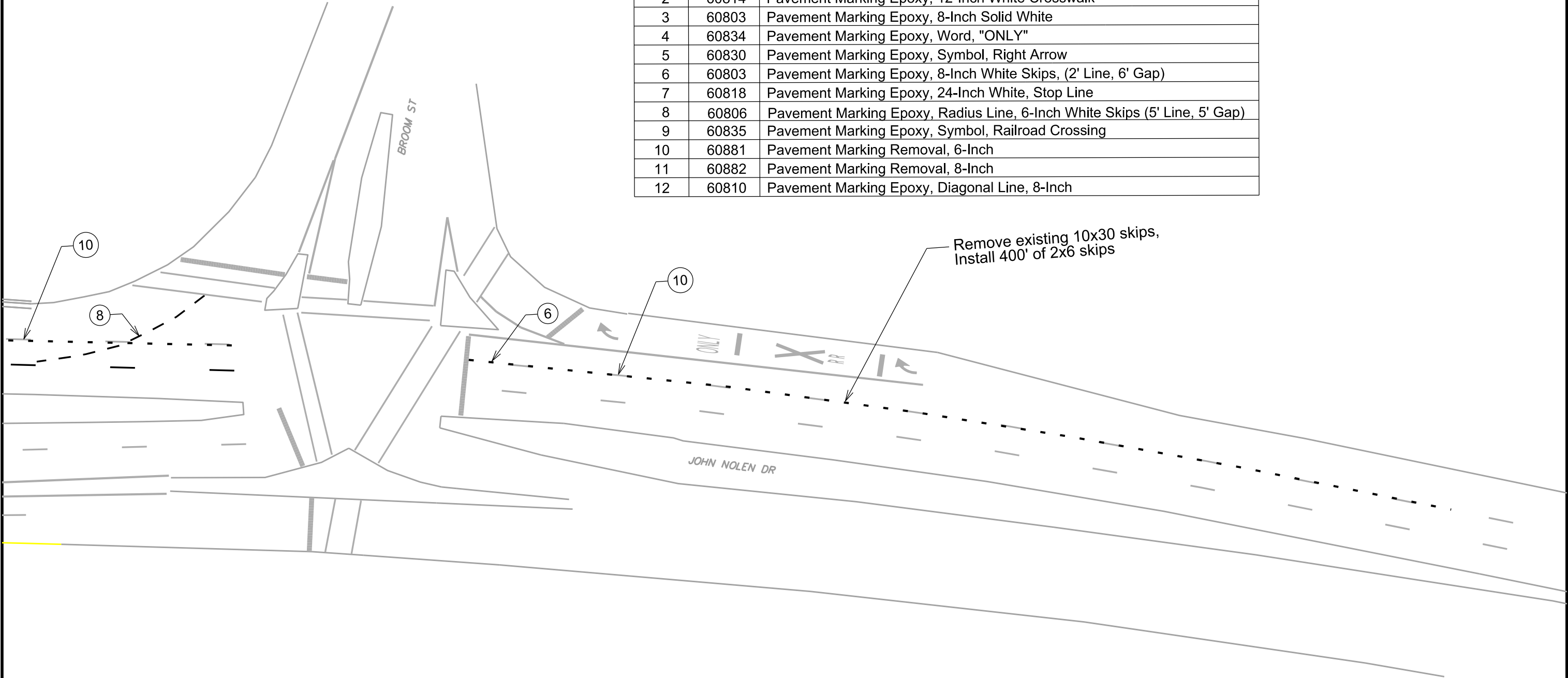
Callout	Bid Item	Description
1	60802	Pavement Marking Epoxy, 6-Inch White Skips, (10' Line, 30' Gap)
2	60814	Pavement Marking Epoxy, 12-Inch White Crosswalk
3	60803	Pavement Marking Epoxy, 8-Inch Solid White
4	60834	Pavement Marking Epoxy, Word, "ONLY"
5	60830	Pavement Marking Epoxy, Symbol, Right Arrow
6	60803	Pavement Marking Epoxy, 8-Inch White Skips, (2' Line, 6' Gap)
7	60818	Pavement Marking Epoxy, 24-Inch White, Stop Line
8	60806	Pavement Marking Epoxy, Radius Line, 6-Inch White Skips (5' Line, 5' Gap)
9	60835	Pavement Marking Epoxy, Symbol, Railroad Crossing
10	60881	Pavement Marking Removal, 6-Inch
11	60882	Pavement Marking Removal, 8-Inch
12	60810	Pavement Marking Epoxy, Diagonal Line, 8-Inch

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.

Note:
Traffic Control is bid as a lump sum,
except for changeable message boards.
Changeable message boards are a separate bid item.

JOHN NOLEN DR. PROJECT NO. 53W1546	SHEET NO. TC -1
TRAFFIC CONTROL PLAN	
PHASE 1A	CITY OF MADISON



SB JOHN NOLEN DRIVE

NB JOHN NOLEN DRIVE

NORTH SHORE DRIVE

20' BARREL SPACING

CLEAR SHRUBS, PROVIDE TEMPORARY
ADA COMPLIANT RAMPS & WALKWAY

TEMPORARY 12" WHITE
PAVEMENT MARKING

5' BARREL
SPACING

10' BARREL SPACING

10' TUBULAR DELINEATOR SPACING

CONCRETE JERSEY BARRIERS

TEMPORARY 24" WHITE
PAVEMENT MARKING

5' SPACING

10' SPACING

10' SPACING

13' 15' SPACING

15' SPACING

LEGEND

- TUBULAR DELINEATOR
- DRUM DELINEATOR W/LIGHT
- DRUM DELINEATOR
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- WORK ZONE
- CHANGEABLE MESSAGE BOARD

CITY OF MADISON



MATCH TC - 3 |

S BROOM ST

300' TEMPORARY 8" WHITE
2' X 6' PAVEMENT MARKING

MAI CHIC - 4

SB JOHN NOLEN DRIVE

NB JOHN NOLEN DRIVE

↓ MATCH IC-4

↑ MATCH TC - 1

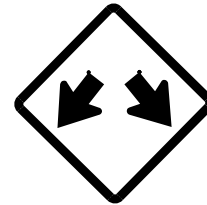
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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

MATCH TC - 1



WO12-1D

90' TEMPORARY 8" WHITE
2' X 6' PAVEMENT MARKING

15' SPACING

15' SPACING

TAPER FROM 12' TO 10' LANE WIDTH

NARROW
LANES

W20-3m

SPEED
LIMIT
25

R2-1

NOTE: BAG EXISTING
SPEED LIMIT SIGNS

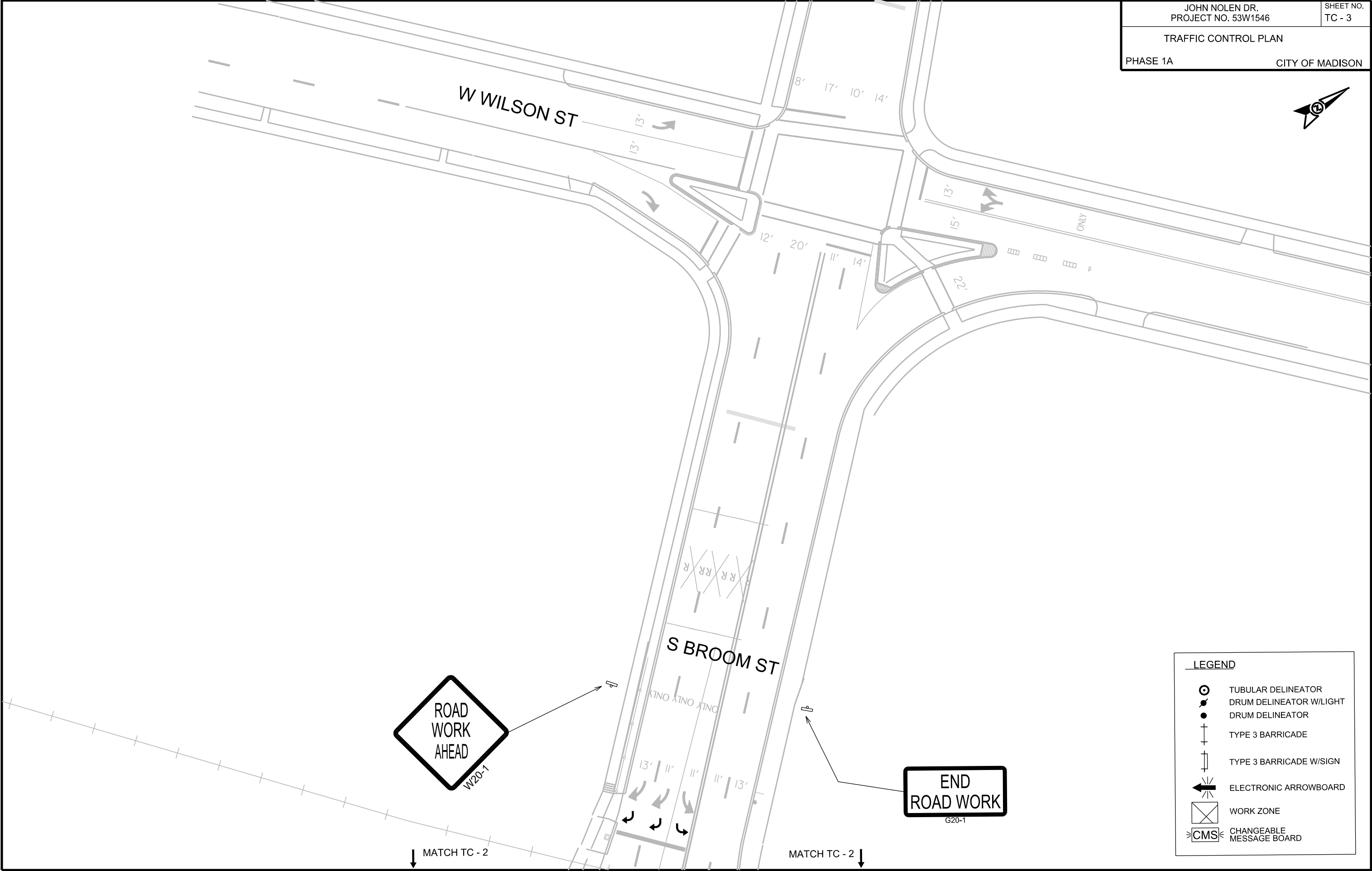
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	DRUM DELINEATOR W/LIGHT
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	CHANGEABLE MESSAGE BOARD

PLOT SCALE:

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

CHANGEABLE MESSAGE BOARD

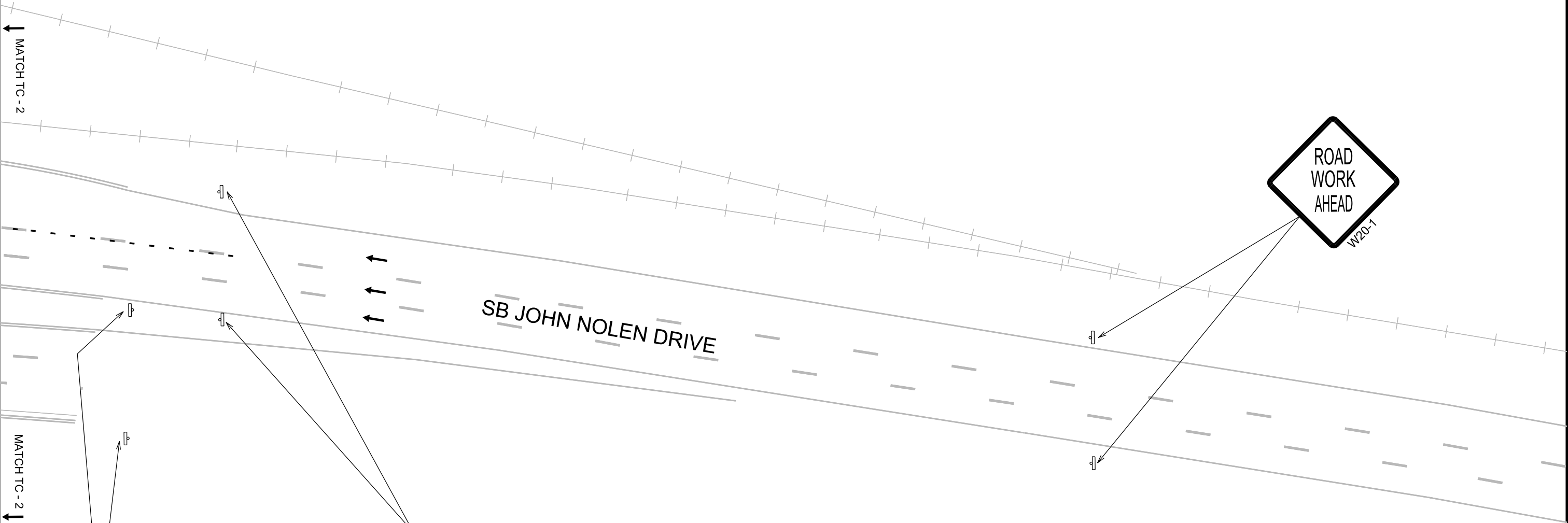


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



END
ROAD WORK
G20-1

SPEED
LIMIT
25
R2-1

NOTE: BAG EXISTING
SPEED LIMIT SIGNS

LEGEND

- TUBULAR DELINEATOR
- DRUM DELINEATOR W/LIGHT
- DRUM DELINEATOR
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- WORK ZONE
- CHANGEABLE MESSAGE BOARD

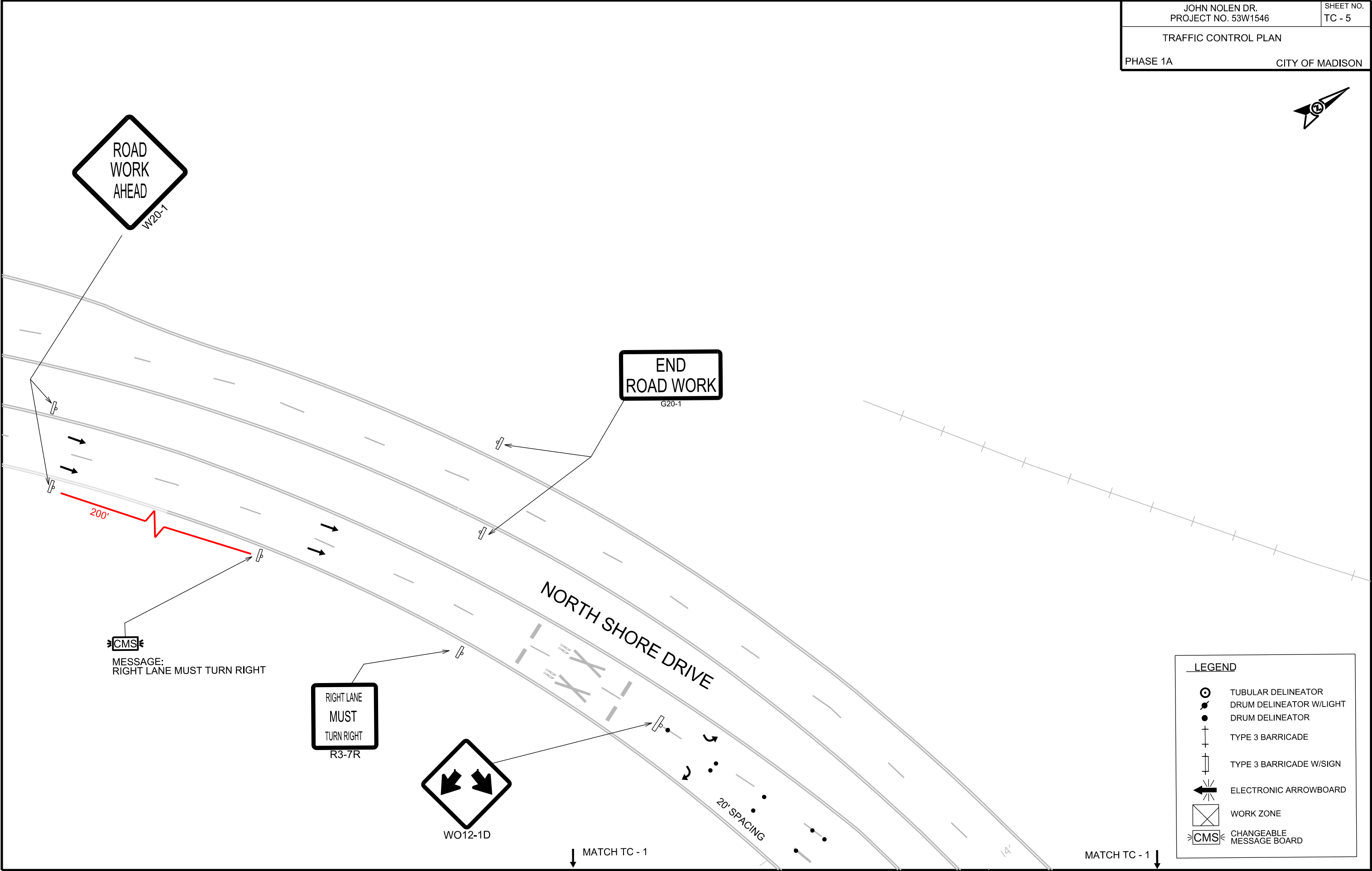


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



LEGEND

TUBULAR DELINEATOR

DRUM DELINEATOR W/LIGHT

DRUM DELINEATOR

TYPE 3 BARRICADE

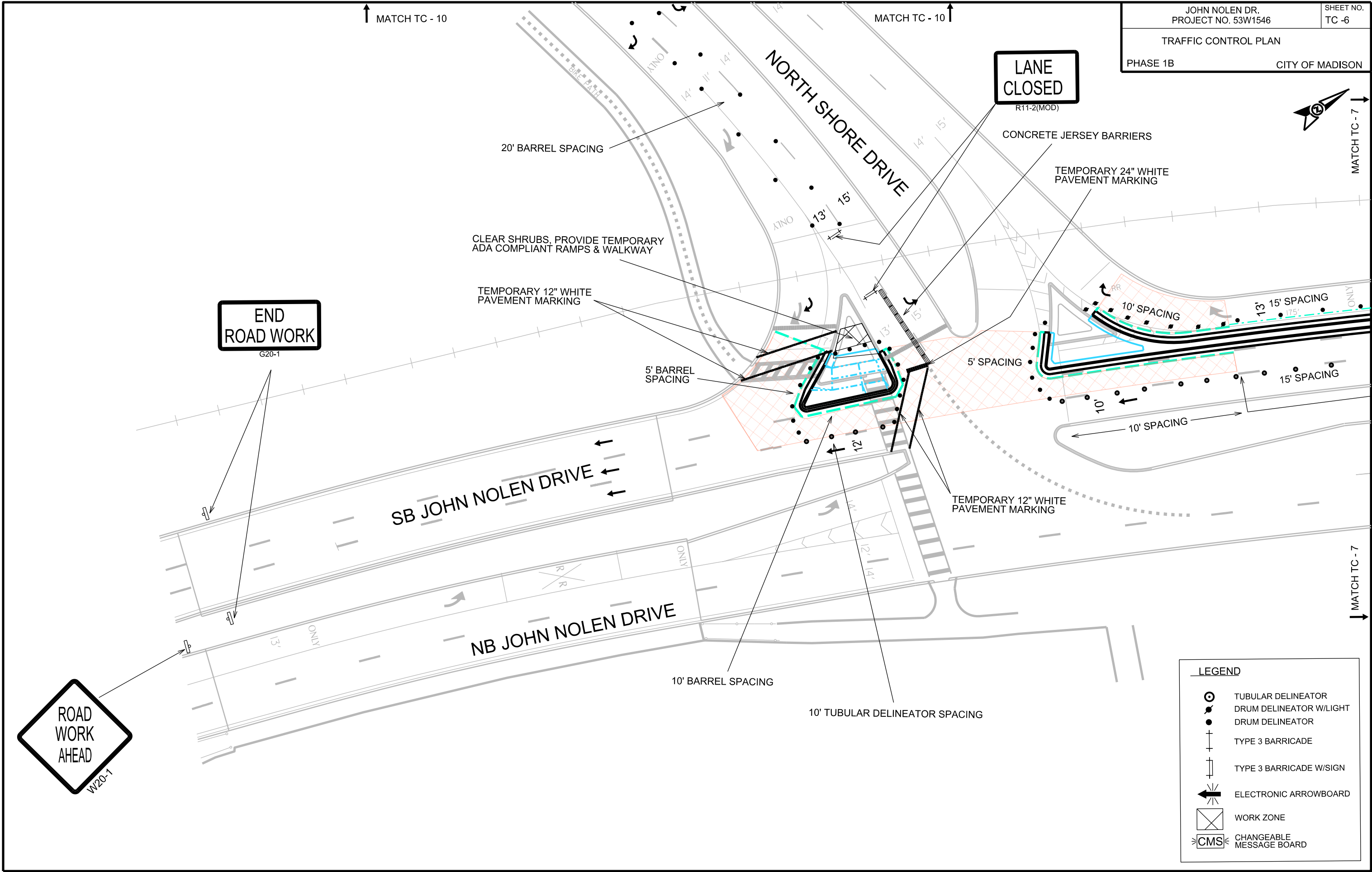
TYPE 3 BARRICADE W/SIGN

ELECTRONIC ARROWBOARD

WORK ZONE

CHANGEABLE MESSAGE BOARD

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



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



130' TAPER
BARRELS 15' SPACING

ELECTRONIC
ARROWBOARD

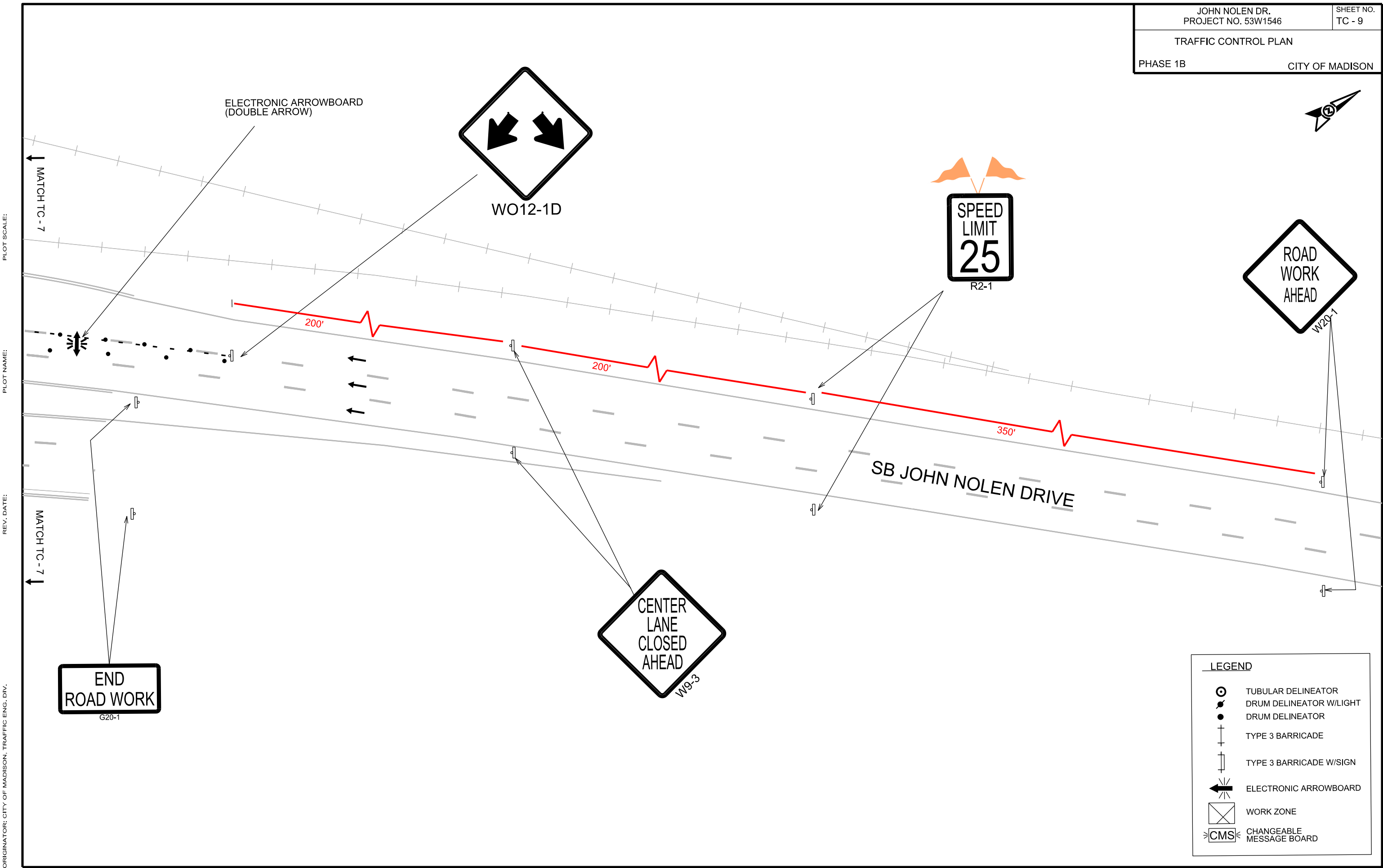
S BROOM ST

MATCH TC - 7

MATCH TC - 7

LEGEND

- TUBULAR DELINEATOR
- DRUM DELINEATOR W/LIGHT
- DRUM DELINEATOR
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- WORK ZONE
- CHANGEABLE MESSAGE BOARD



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

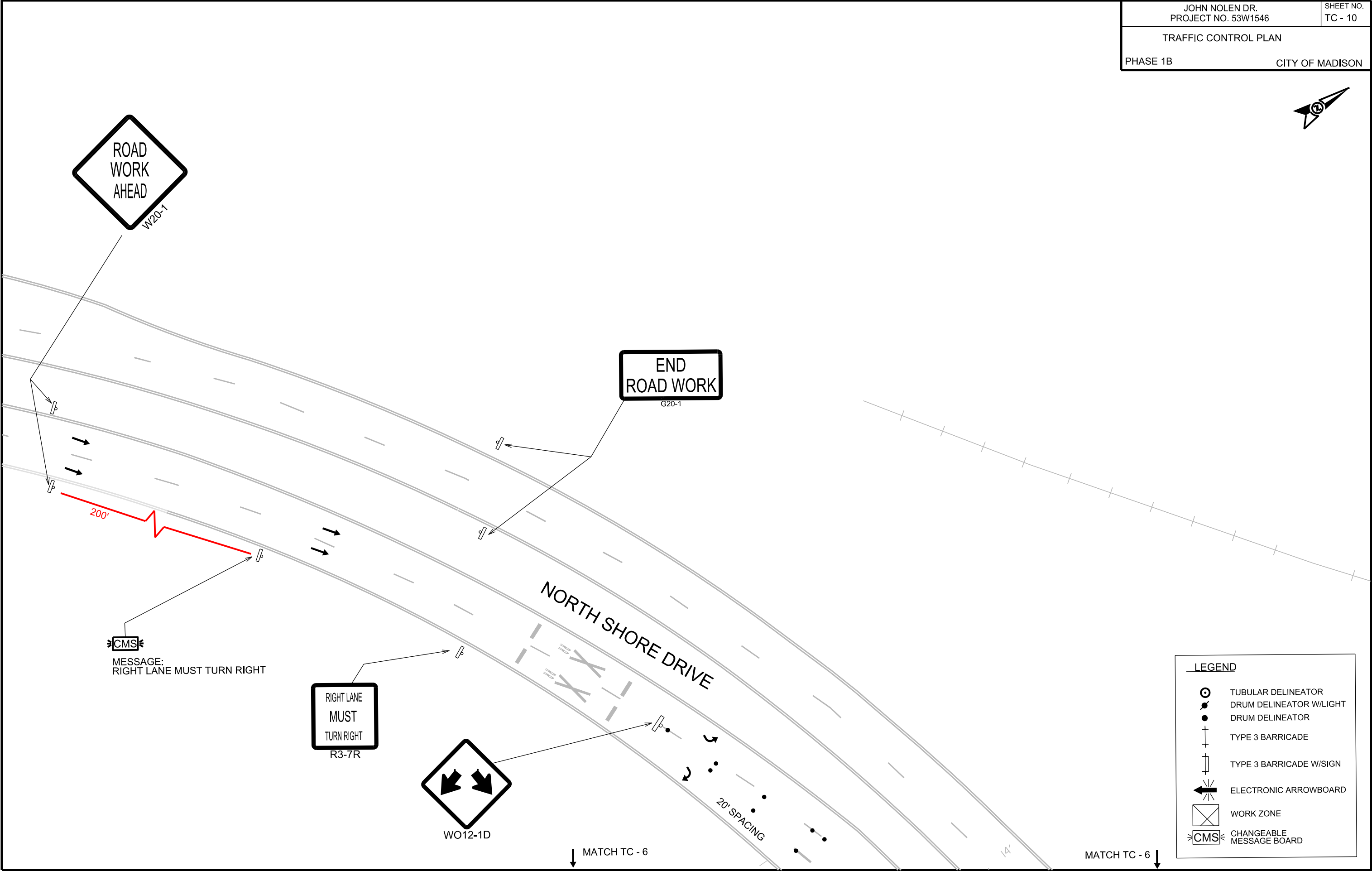


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

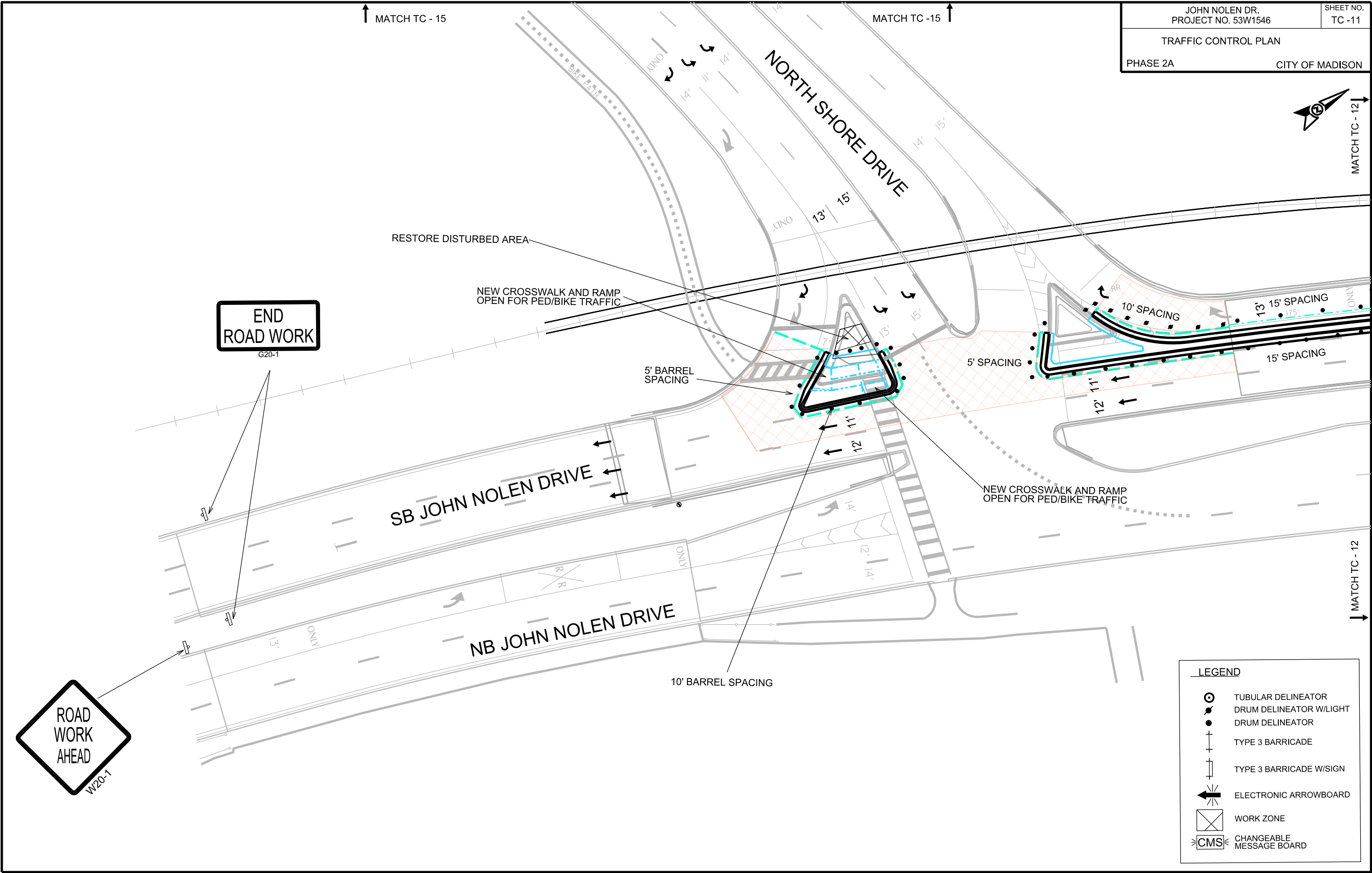


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



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

CITY OF MADISON



MATCH TC - 13

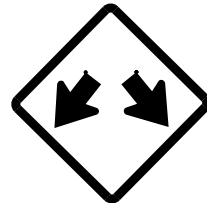
S BROOM ST

MAI 16 - 14

NB JOHN NOLEN DRIVE

MATCH TC - 11

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



90' TEMPORARY 8" WHITE
2' X 6' PAVEMENT MARKING

15' SPACING

**SPEED
LIMIT
25**

NOTE: BAG EXISTING
SPEED LIMIT SIGNS

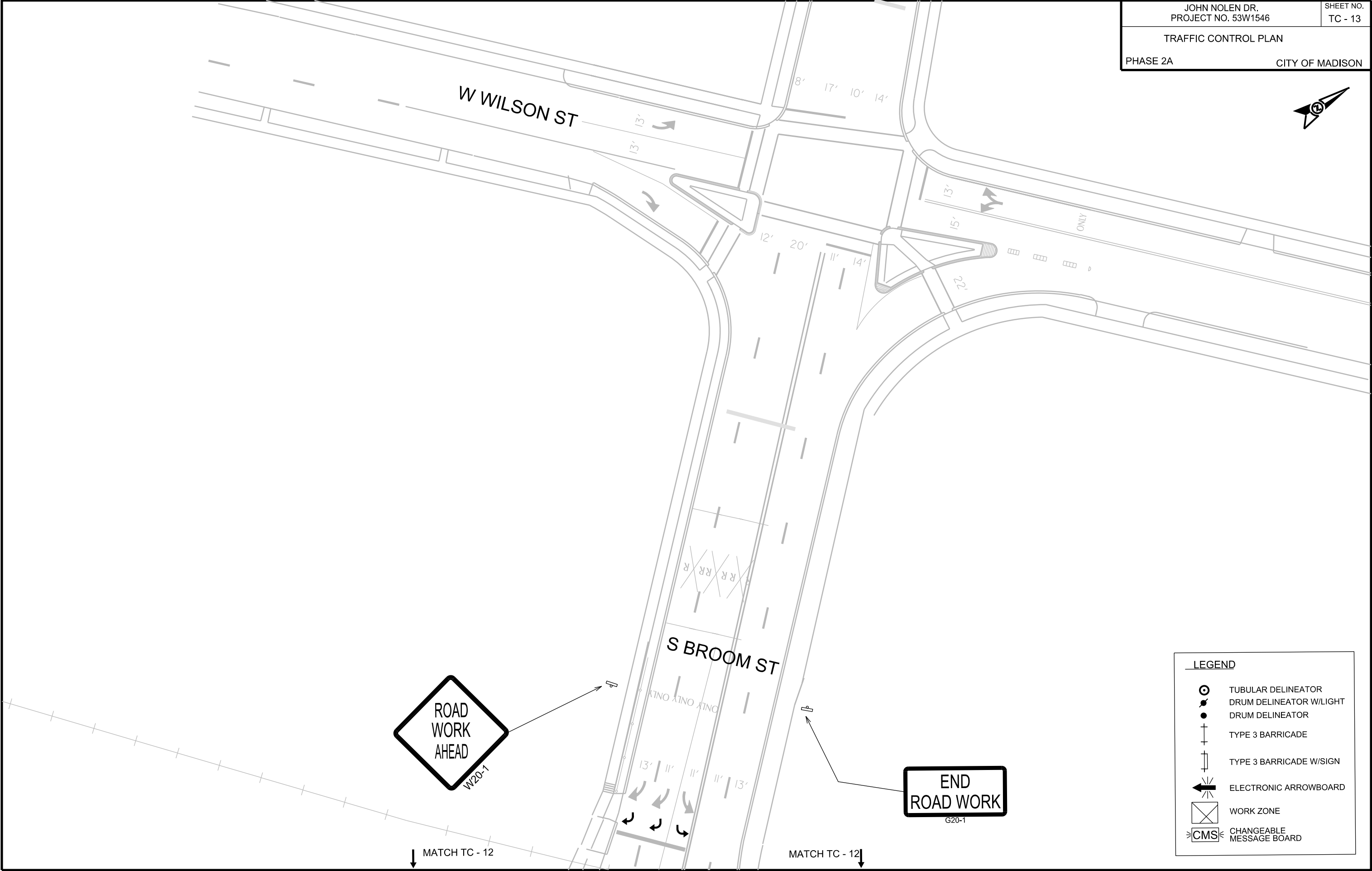
	TUBULAR DELINEATOR
	DRUM DELINEATOR W/LIGHT
	DRUM DELINEATOR
	TYPE 3 BARRICADE
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	ELECTRONIC ARROWBOARD
	WORK ZONE
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PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



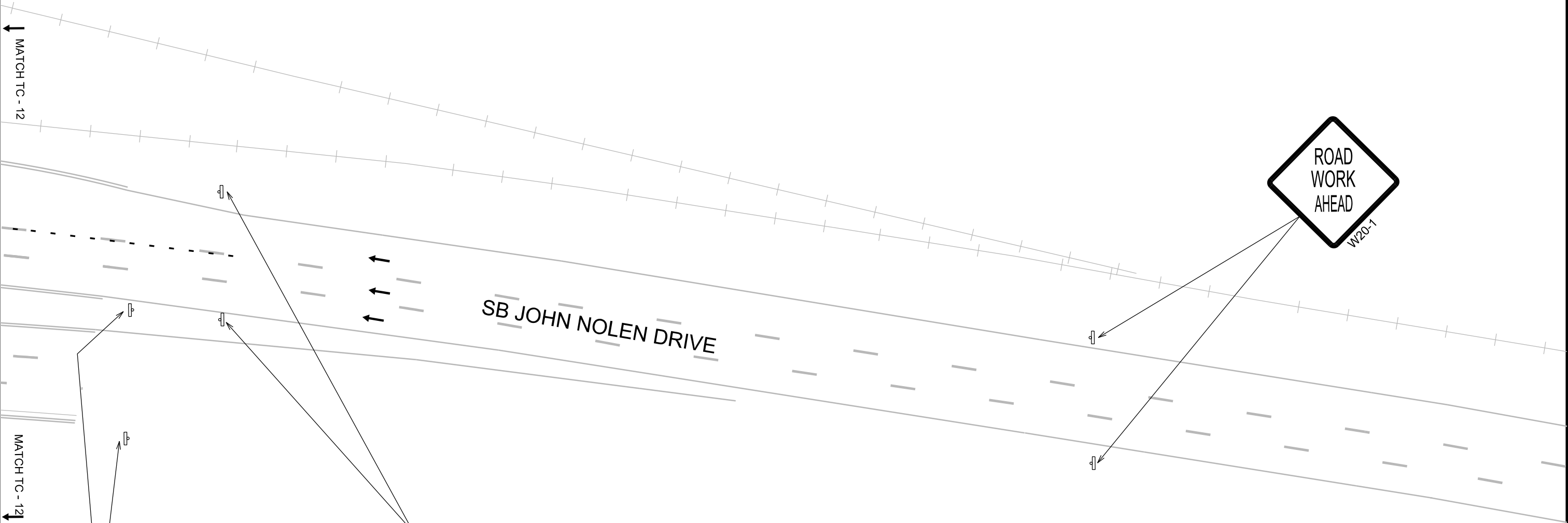


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



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



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



NORTH SHORE DRIVE

20' SPACING

MATCH TC - 11

MATCH TC - 11

LEGEND

- TUBULAR DELINEATOR
- DRUM DELINEATOR W/LIGHT
- DRUM DELINEATOR
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- WORK ZONE
- CHANGEABLE MESSAGE BOARD

CITY OF MADISON



MATCH TC - 17

MATCH TC - 20

NORTH SHORE DRIVE

NEW CROSSWALK AND RAMP
OPEN FOR PED/BIKE TRAFFIC

5' BARREL
SPACING

5' SPACING

10' SPACING

13' 15' SPACING

15' SPACING

↓ MATCH IC - 17

END
ROAD WORK

G20-1

SB JOHN NOLEN DRIVE

NB JOHN NOLEN DRIVE

10' BARREL SPACING

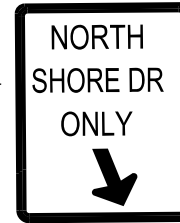
NEW CROSSWALK AND RAMP
OPEN FOR PED/BIKE TRAFFIC

	TUBULAR DELINEATOR
	DRUM DELINEATOR W/LIGHT
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	CHANGEABLE MESSAGE BOARD

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

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

CITY OF MADISON



300' TEMPORARY 8" WHITE
2' X 6' PAVEMENT MARKING

MATCH TC - 18

S BROOM ST



15' SPACING

15' SPACING

12'

ONLY

BARRELS 20' SPACING

NB JOHN NOLEN DRIVE

250' TAPER

SPEED
LIMIT
25

NOTE: BAG EXISTING
SPEED LIMIT SIGNS

	TUBULAR DELINEATOR
	DRUM DELINEATOR W/LIGHT
	DRUM DELINEATOR
	TYPE 3 BARRICADE
	TYPE 3 BARRICADE W/SIGN
	ELECTRONIC ARROWBOARD
	WORK ZONE
	CHANGEABLE MESSAGE BOARD

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

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

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



130' TAPER
BARRELS 15' SPACING

ELECTRONIC
ARROWBOARD

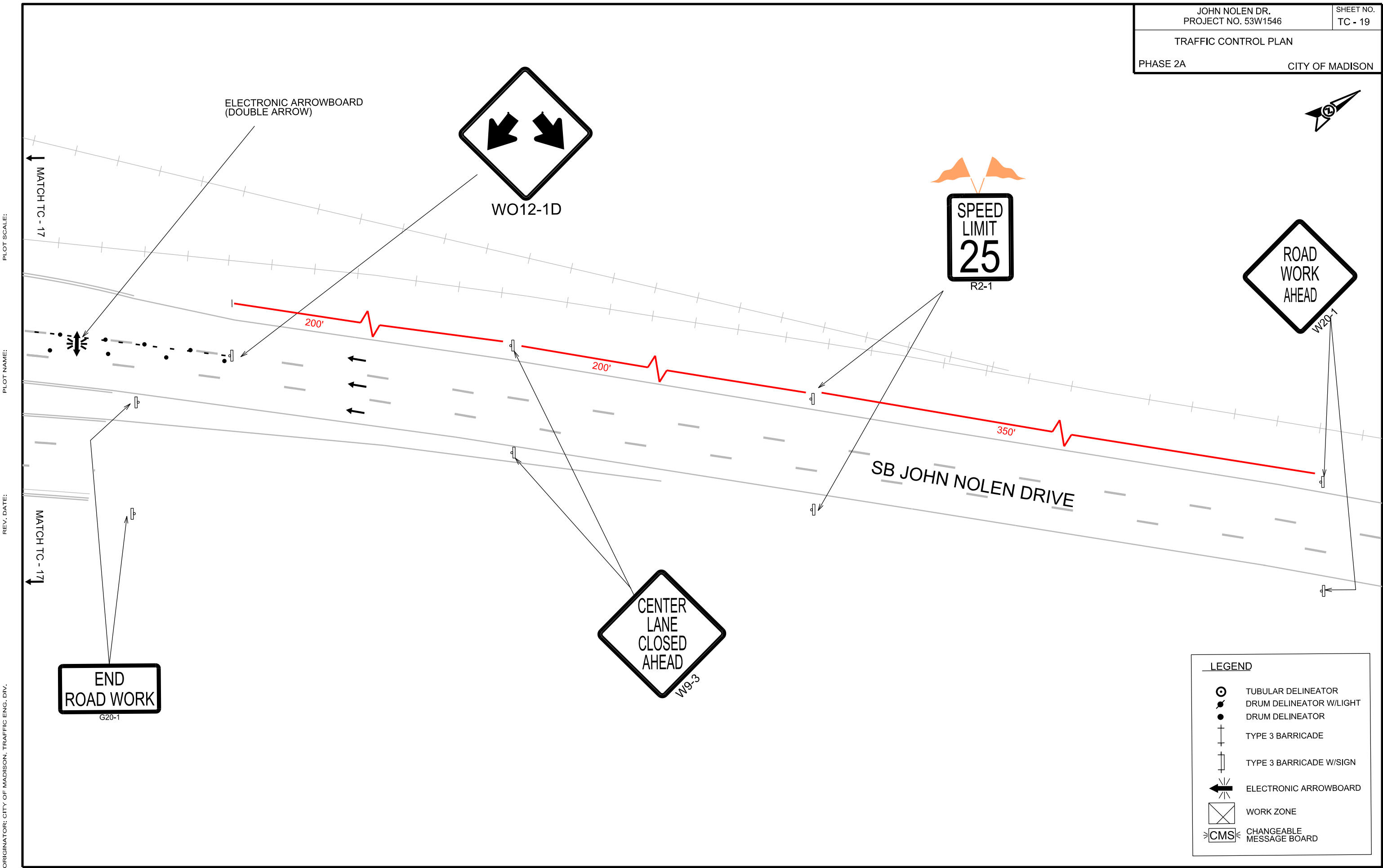
S BROOM ST

MATCH TC - 17

MATCH TC - 17

LEGEND

- TUBULAR DELINEATOR
- DRUM DELINEATOR W/LIGHT
- DRUM DELINEATOR
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- WORK ZONE
- CHANGEABLE MESSAGE BOARD



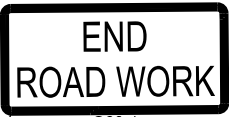


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



NORTH SHORE DRIVE

MATCH TC - 16

MATCH TC - 16

LEGEND

- TUBULAR DELINEATOR
- DRUM DELINEATOR W/LIGHT
- DRUM DELINEATOR
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- WORK ZONE
- CHANGEABLE MESSAGE BOARD