

Section No. Title 1 Section No. 2 Typical Sections and Details Section No. Estimate of Quantities 3 Section No. Miscellaneous Quantities 3 Section No. 6 Standard Detail Drawings

Occion No.	,	olgi i latoo
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Da
Section No.		Crees Sections

TOTAL SHEETS = 32

## DESIGN DESIGNATION

A.A.D.T. A.A.D.T. D.H.V.	(2017) (2030)	= = =	,	
D.D.		=		
Τ.		=		
DESIGN SPE	Ð	=	35 mph	
ESALS		=		

# CONVENTIONAL SYMBOLS

CONVENTIONAL STIVIDULS	
PLAN CORPORATE LIMITS	111
PROPERTY LINE	
LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE	L
SLOPE INTERCEPT	
EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
	<u> </u>

PROFILE GRADE LINE <u>/////</u> ORIGINAL GROUND \_\_\_\_ MARSH OR ROCK PROFILE \_\_\_\_ (To be noted as such) SPECIAL DITCH GRADE ELEVATION ~ - -CULVERT (Profile View) UTILITIES 300'EB' ELECTRIC FIBER OPTIC \_\_\_ GAS SANITARY SEWER M STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE TELEPHONE POLE

ROCK

LABEL

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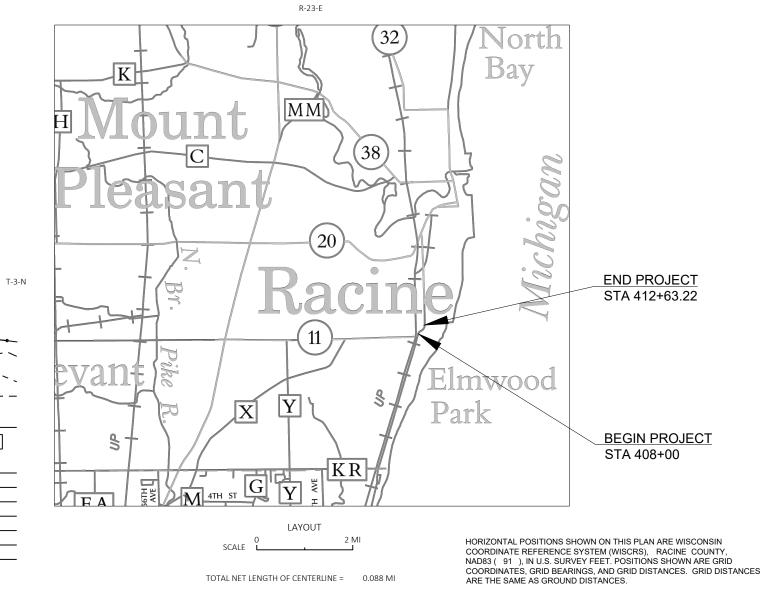
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# **STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

**STH 32** STH 11 to 25th STREET **STH 32 RACINE COUNTY** 





FILE NAME : N:\PDS\C3D\32400203\SHEETSPLAN\010101\_TI.DWG

WOODED OR SHRUB AREA

STATE PROJECT	FEDERAL PROJECT			
STATE PROJECT	PROJECT	CONTRACT		
3240-02-73	WISC 2020141	1		

#### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor

> Designer Project Manager Regional Examiner

Regional Supervisor

WisDOT JUDENE SCHMIDT MARK WILFERT REGIONAL EXAMINER

REEM SHAHIN

PPROVED FOR THE DEPART

November 1 2019

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#### STANDARD ABBREVIATIONS

AADT	ANNUAL AVERAGE DAILY TRAFFIC
BM	BENCHMARK
BMP	BEST MANAGEMENT PRACTICE
C/L	CENTERLINE
CONC	CONCRETE
СТН	COUNTY TRUNK HIGHWAY
CY	CUBIC YARD
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DD	DIRECTIONAL DISTRIBUTION
х	EAST GRID COORDINATE
EB	EASTBOUND
ESALS	EQUIVALENT SINGLE AXLE LOADS
FT	FOOT
INL	INLET
LT	LEFT
L	LENGTH OF CURVE
LF	LINEAR FOOT
LS	LUMP SUM
MGR	MANAGER
MH	MANHOLE
N	NORTH
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
PAVT	PAVEMENT
РТ	POINT
PCC	POINT OF COMPOUND CURVE
РС	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
РТ	POINT OF TANGENCY
PROJ	PROJECT
R	RADIUS
SB	SOUTHBOUND
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWING
STH	STATE TRUNK HIGHWAY
STA	STATION
т	TANGENT
т	TRUCKS (PERCENT OF)
	VARIABLE
VAR	V) (I (I) (BEE

#### UTILITY CONTACT

ANTHONY BEYERS, P.E. VILLAGE OF MT PLEASANT ENGINEER 8811 CAMPUS DR. MT PLEASANT, WI 53406 (262) 664-7849

#### TRANSIT

WILLE MCDONALD CITY OF RACINE RYDE 1900 KENTUCKY ST **RACINE, WI 53205** 

#### FIRE DEPT

EDWARD LOCKHART SOUTHSHORE FIRE DEPARTMENT 3900 OLD GREEN BAY RD MT PLEASANT, WI 53406 (262) 995-1211 ELOCKHART@MTPLEASANTWI.GOV

#### POLICE DEPT

MATT SOENS ACTING CHIEF OF POLICE 8811 CAMPUS DR MT PLEASANT. WI 53406 (262) 886-2300

#### DNR CONTACT

KRISTINA BETZOLD **ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST** 2300 NORTH DR. MARTIN LUTHER KING JR. DRIVE MILWAUKEE, WI 53212 (414) 507-4946 KRISTINA.BETZOLD@WISCONSIN.GOV

#### DESIGN CONTACT

MARK WILFERT, P.E. WISDOT PROJECT MANAGER 141 NW BARSTOW ST WAUKESHA, WI 53187 (262)548-5936 MARK.WILFERT@DOT.WI.GOV

#### **GENERAL NOTES**

THE LOCATIONS OF EXISTING UTILITIES, AS NOTED ON THE PLANS, ARE FOR INFORMATION ONLY. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPALITY OR PUBLIC AGENCY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPERATELY.

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND MEASURED IN FIELD FOR MATCHING PURPOSES.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. NO WORK MAY BEGIN UNTIL PROPER TRAFFIC CONTROL DEVICES ARE PLACED AND APPROVED BY THE ENGINEER.

THE CONTRACTOR IS RESPONSIBLE FOR RESHAPING AND FINISHING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE THE NORMAL CONSTRUCTION LIMITS.

#### **EROSION CONTROL GENERAL NOTES**

EROSION CONTROL ITEMS ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN AND BY THE ENGINEER. EROSION CONTROL ITEMS SHALL BE MAINTAINED UNTIL THE ENGINEER DETERMINES THAT THE ITEM IS NO LONGER REQUIRED.

WHEN PERFORMING ROADWAY CLEANING OPERATIONS, THE CONTRACTOR SHALL USE EQUIPMENT HAVING VACUUM OR WATERSPRAY MECHANISM TO ELIMINATE THE DISPERSION OF DUST. IF VACUUM EQUIPMENT IS EMPLOYED, IT SHALL HAVE SUITABLE SELF-PARTICULATE COLLECTIONS TO PREVENT DISCHARGE FROM THE COLLECTION BIN INTO THE ATMOSPHERE.

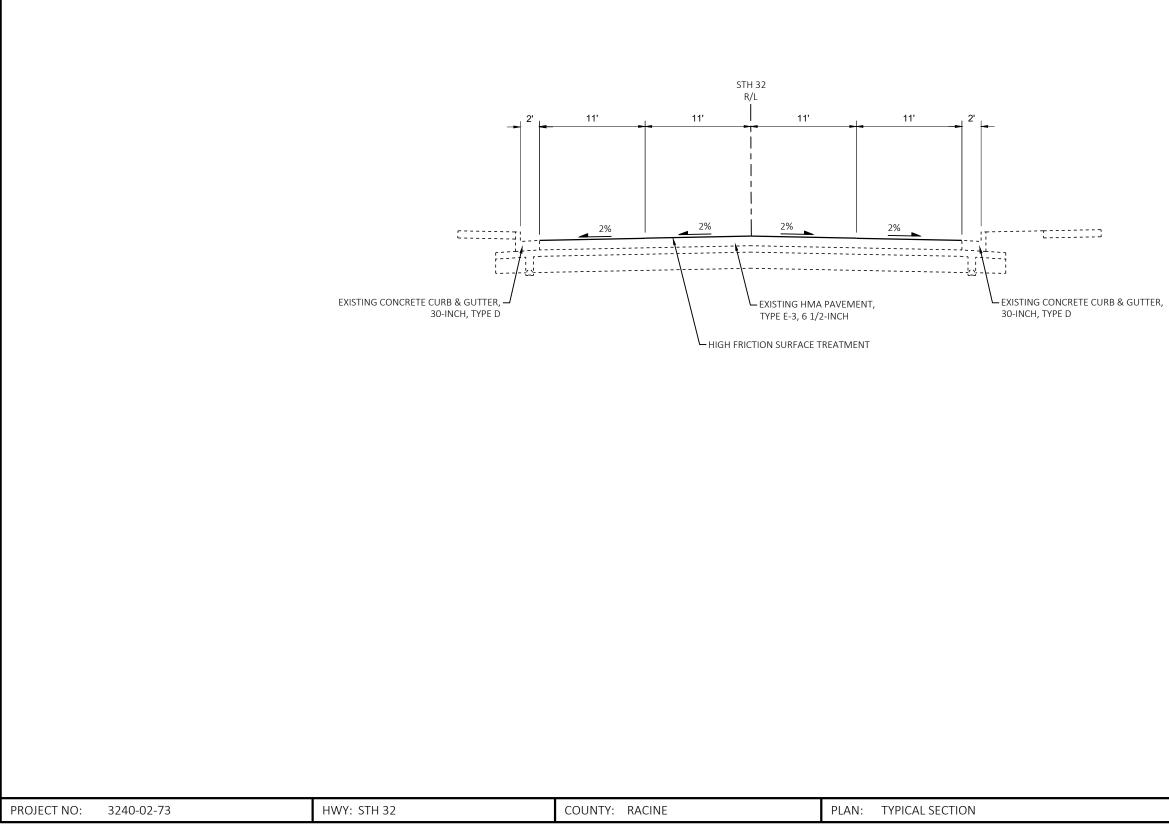
INLET PROETECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

REFER TO EROSION CONTROL SPECIAL PROVISIONS FOR FURTHER REQUIREMENTS.



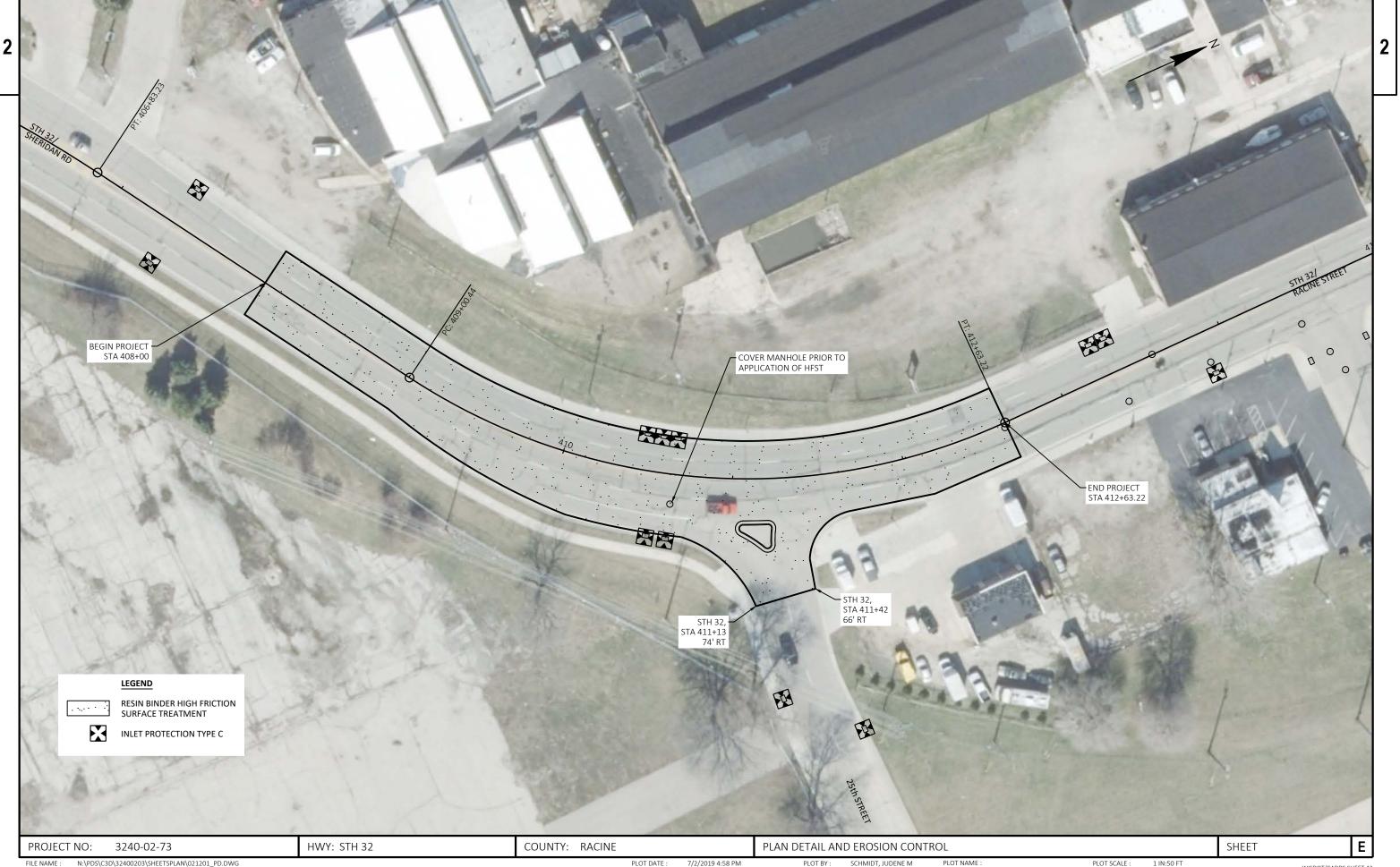
PROJECT NO: 3240-02-73	HWY: STH 32	COUNTY: RACINE	GENERAL NOTES AND UTILITY CONTACTS	
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

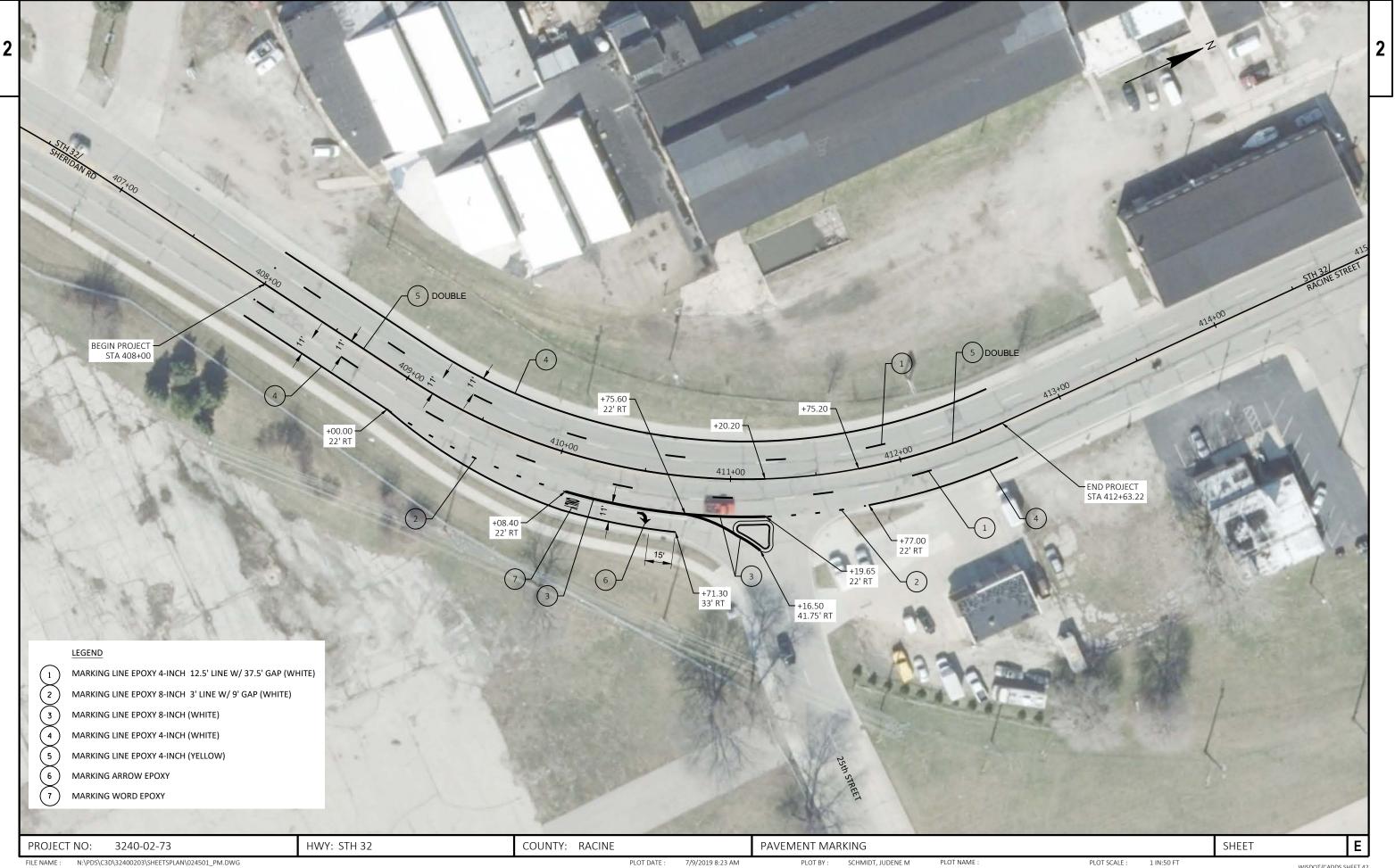
or (800) 2		
	SHEET:	Ε
PLOT SCALE 11		



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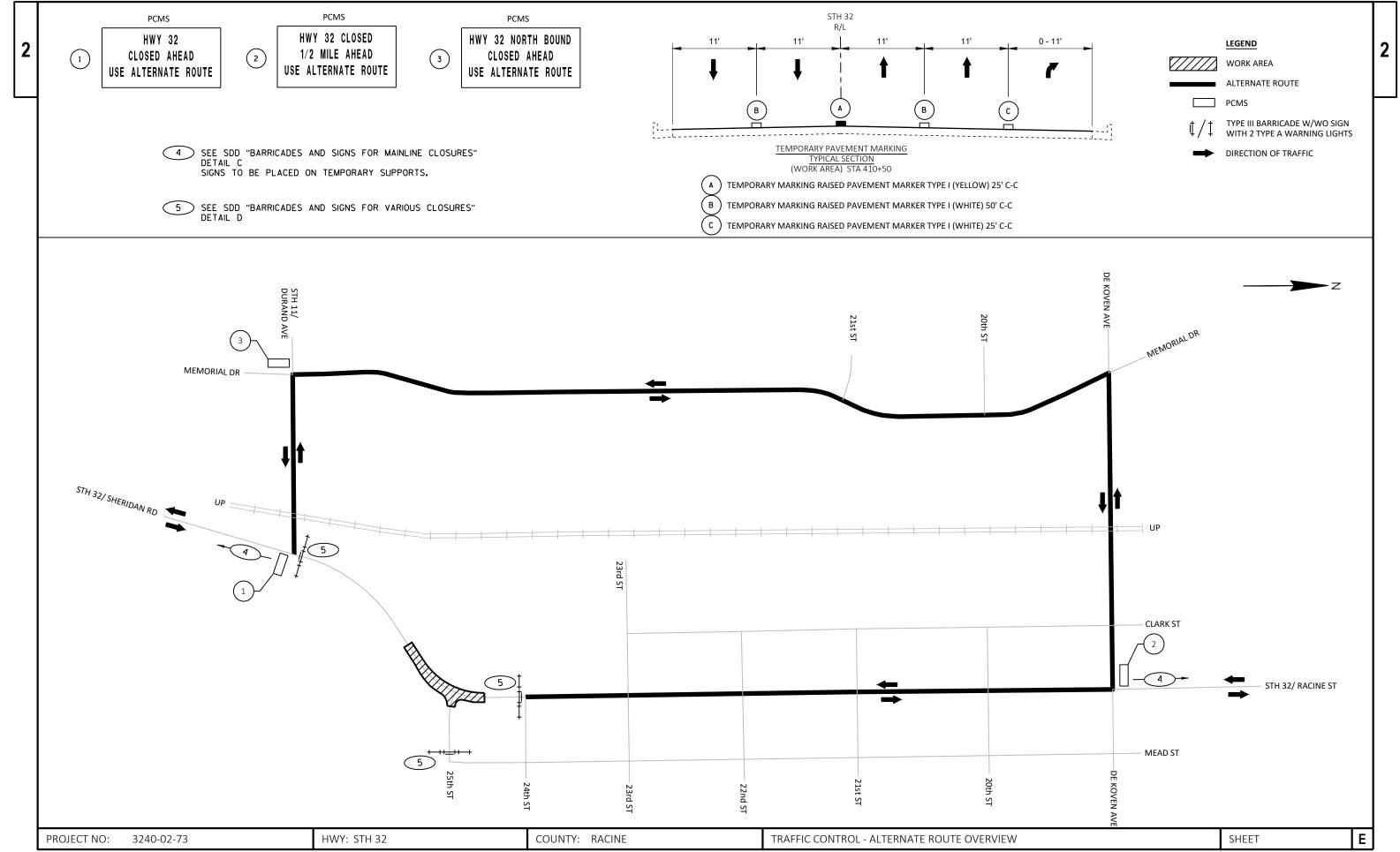




N:\PDS\C3D\32400203\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - 01\_PM FILE NAME :

7/9/2019 8:23 AM

PLOT BY : SCHMIDT, JUDENE M PLOT NAME :





WISDOT/CADDS SHEET 42

PROJECT NO: 3240-02-73	JECT NO: 3240-02-73 HWY: STH 32 COUNTY: RACINE			TRAFFIC CONTROL DETAIL - STH 32 LANE CLOSURE		
FILE NAME : N:\PDS\C3D\32400203\SHEETSPLAN\025002_TC.DWG		PLOT DATE :	7/8/2019 12:03 PM	PLOT BY :	SCHMIDT, JUDENE M	PLOT NAME :



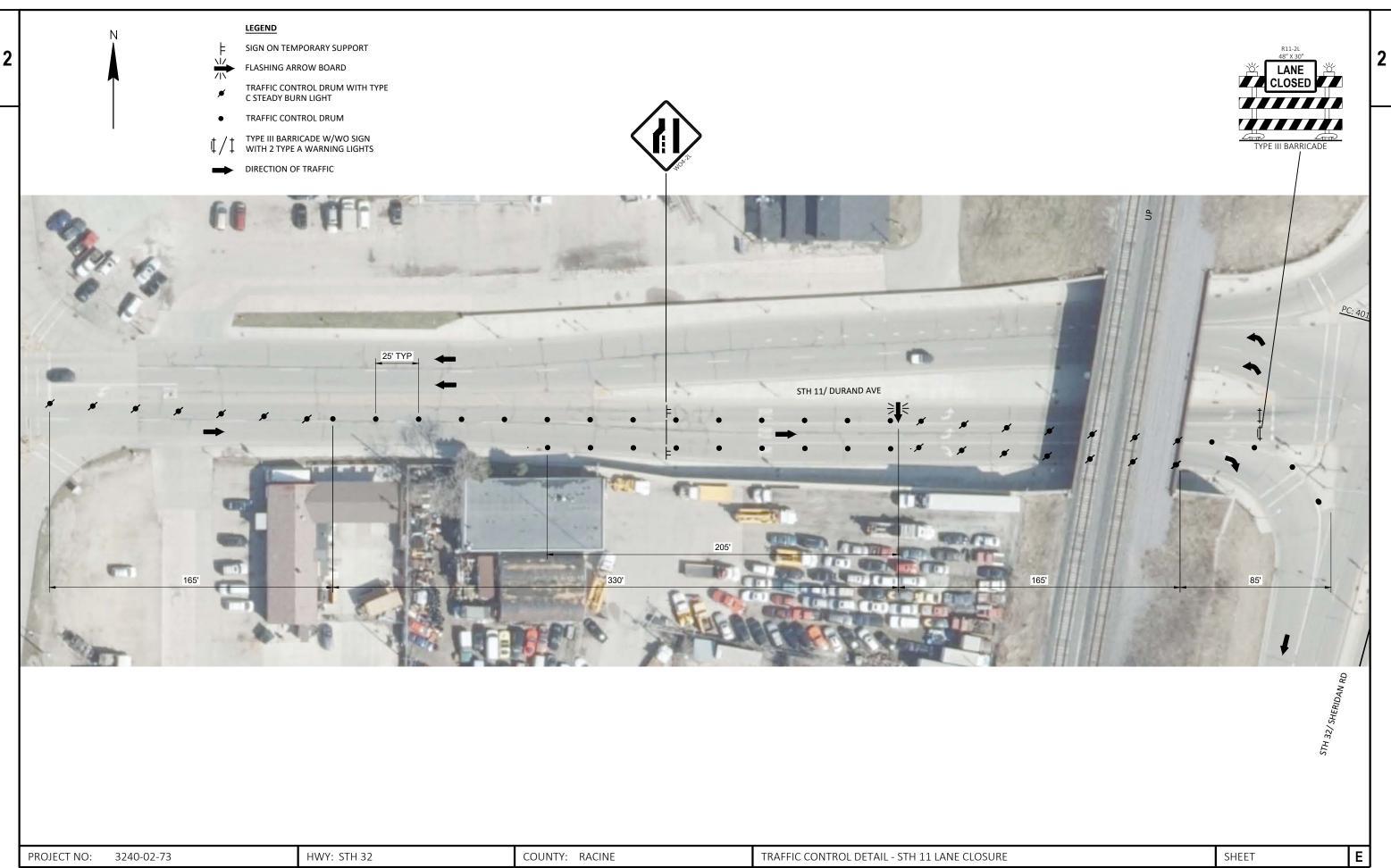
WISDOT/CADDS SHEET 42

PLOT SCALE : 1 IN:50 FT



N:\PDS\C3D\32400203\SHEETSPLAN\025002\_TC.DWG LAYOUT NAME - tc03 FILE NAME :

PLOT DATE : 7/8/2019 12:03 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME :



PROJECT NO:	3240-02-73
TROJECT NO.	5240 02 75

PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

				I	Estimate Of	Quantities
					3240-02-73	
Line	Item	Item Description	Unit	Total	Qty	
0002	213.0100	Finishing Roadway (project) 01. 3240-02-73	EACH	1.000	1.000	
0004	619.1000	Mobilization	EACH	1.000	1.000	
0006	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000	
8000	628.7015	Inlet Protection Type C	EACH	12.000	12.000	
0010	642.5401	Field Office Type D	EACH	1.000	1.000	
0012	643.0300	Traffic Control Drums	DAY	2,790.000	2,790.000	
0014	643.0420	Traffic Control Barricades Type III	DAY	630.000	630.000	
0016	643.0705	Traffic Control Warning Lights Type A	DAY	1,260.000	1,260.000	
0018	643.0715	Traffic Control Warning Lights Type C	DAY	1,050.000	1,050.000	
0020	643.0800	Traffic Control Arrow Boards	DAY	90.000	90.000	
0022	643.0900	Traffic Control Signs	DAY	510.000	510.000	
0024	643.1050	Traffic Control Signs PCMS	DAY	90.000	90.000	
0026	643.5000	Traffic Control	EACH	1.000	1.000	
0028	646.1020	Marking Line Epoxy 4-Inch	LF	1,873.000	1,873.000	
0030	646.3020	Marking Line Epoxy 8-Inch	LF	210.000	210.000	
0032	646.5020	Marking Arrow Epoxy	EACH	1.000	1.000	
0034	646.5120	Marking Word Epoxy	EACH	1.000	1.000	
0036	646.9000	Marking Removal Line 4-Inch	LF	1,873.000	1,873.000	
0038	646.9100	Marking Removal Line 8-Inch	LF	310.000	310.000	
0040	646.9300	Marking Removal Special Marking	EACH	2.000	2.000	
0042	649.0760	Temporary Marking Raised Pavement Marker Type I	EACH	82.000	82.000	
0044	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000	
0046	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	200.000	200.000	
0048	SPV.0180	Special 01. Resin Binder High Friction Surface Treatment	SY	2,750.000	2,750.000	

# 02/11/2020 08:00:30 Page 1 3

	EROSION CONTROL		
IN	LET PROTECTION TYPE C	RESIN E	BINDER HIGH FRICTION
	628.7015		SPV.0180
LOCATION	EACH	LOCATION	SY
STH 32	10	STH 32	2,750
25th STREET	2		,
TOTAL	12	TOTAL	2,750

	TRAFFIC CONTRO WARNING LIGHTS				<u>OL</u>		
	DRUMS	BARRICADES TYPE III	TYPE A	TYPE C	ARROW BOARDS	SIGNS	SIGNS PCMS
	643.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.1050
LOCATION	DAY	DAY	DAY	DAY	DAY	DAY	DAY
STH 32	1,350	480	960	420	60	300	60
STH 11	1,440	60	120	630	30	180	30
25th STREET	-	90	180	-	-	30	-
TOTAL	2,790	630	1,260	1,050	90	510	90

		LINE EPOXY		_						
	4-INCH	4-INCH	8-INCH			MARKING RE	EMOVAL LINE	MARKING REMOVAL	RAISED PAVEMEN	NT MARKER TYPE
	YELLOW	WHITE	WHITE	ARROW EPOXY	WORD EPOXY	4-INCH	8-INCH	SPECIAL MARKING	YELLOW	WHITE
	646.1020	646.1020	646.3020	646.502	646.5120	646.9000	646.9100	646.9300	649.0760	649.0760
LOCATION	LF	LF	LF	EACH	EACH	LF	LF	EACH	EACH	EACH
STH 32	817	1,056	210	1	1	1,873	310	2	34	48
TOTAL	1,8	873	210	1	1	1,873	310	2		32

PROJECT NO: 3240-02-73	HWY: STH 32	COUNTY: RACINE	MISCELLANEOUS QUANTITIES		
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :	

# ION SURFACE TREATMENT

180.01

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SHEET:

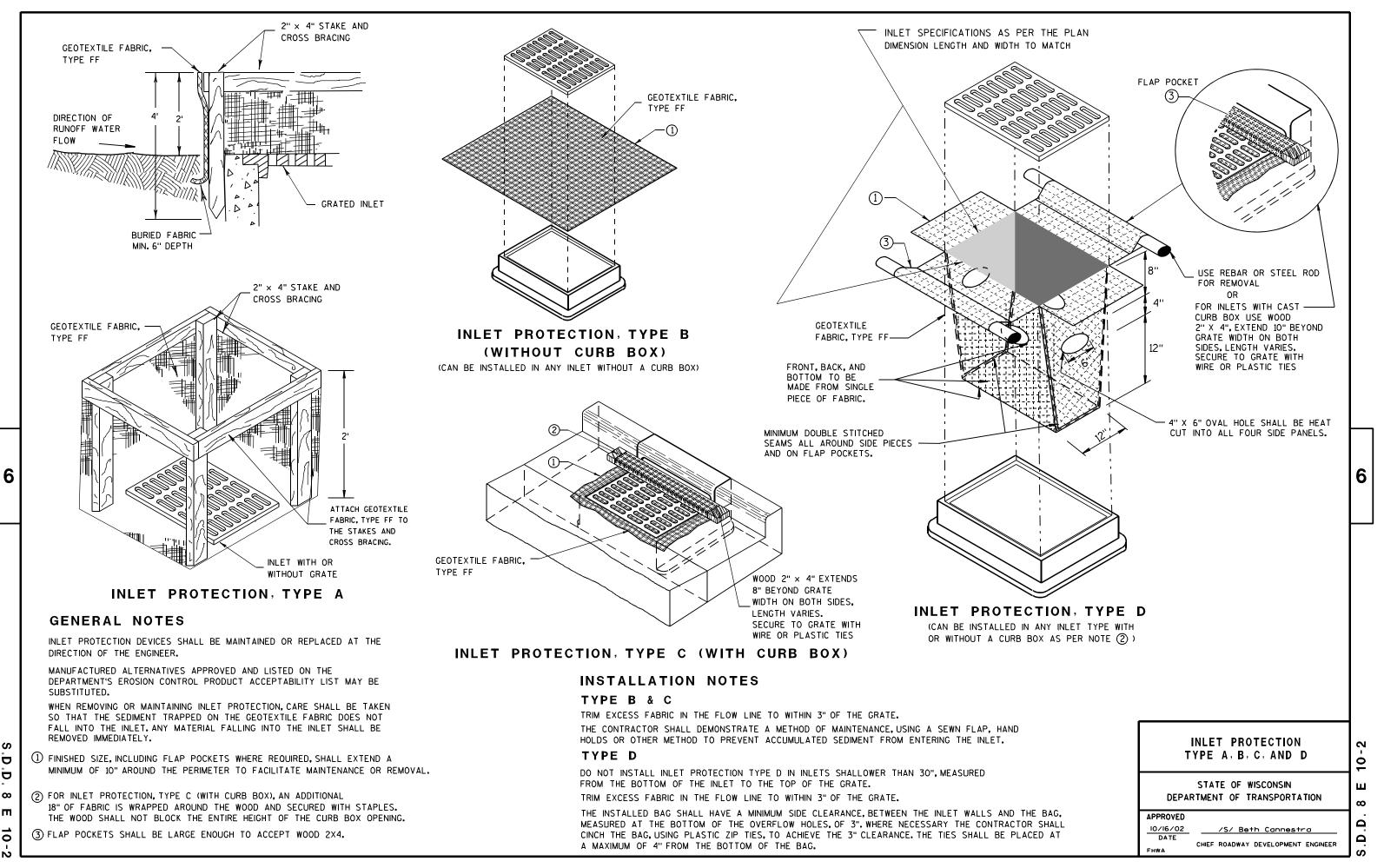
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PLOT SCALE : 1:1

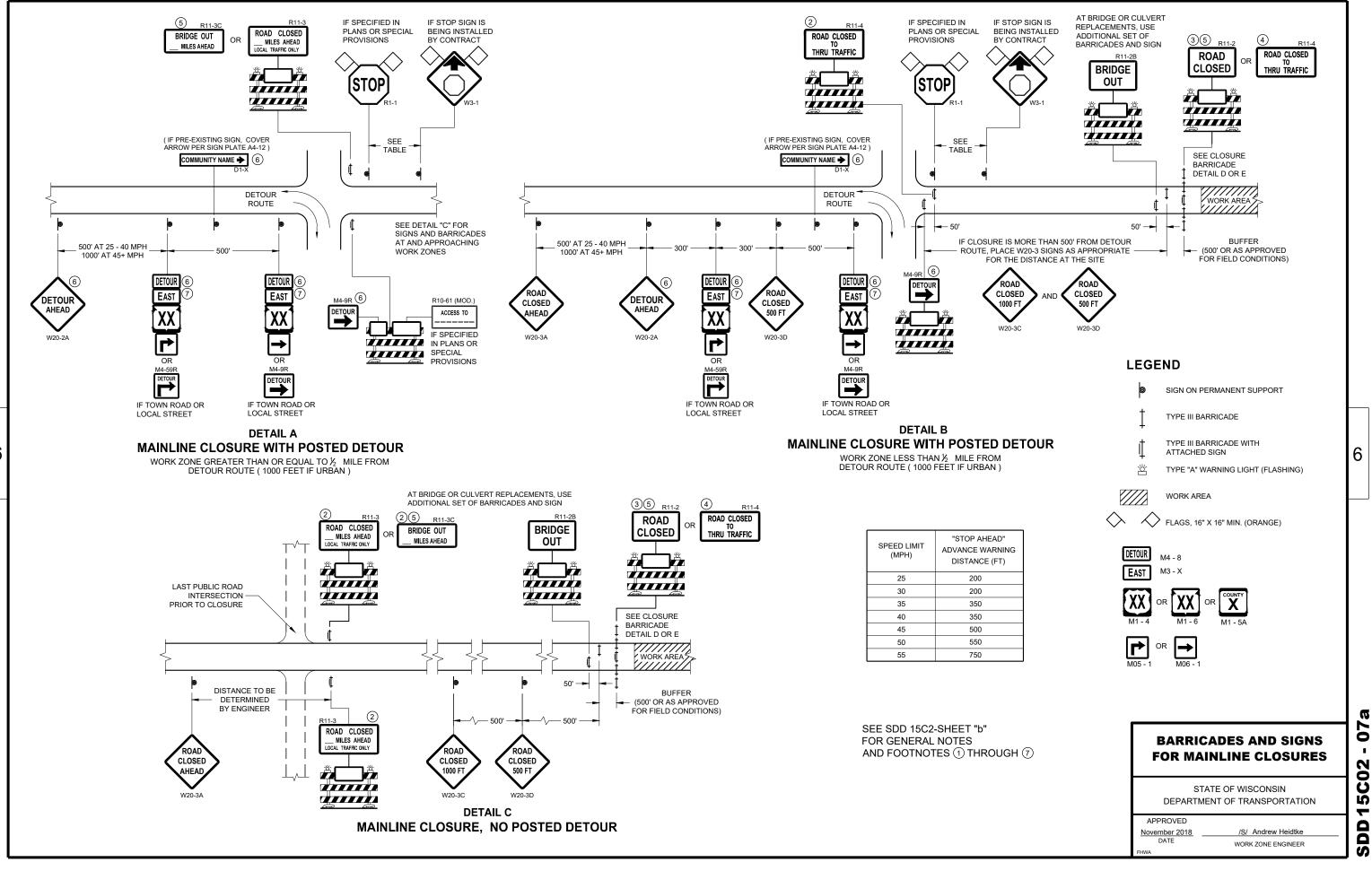
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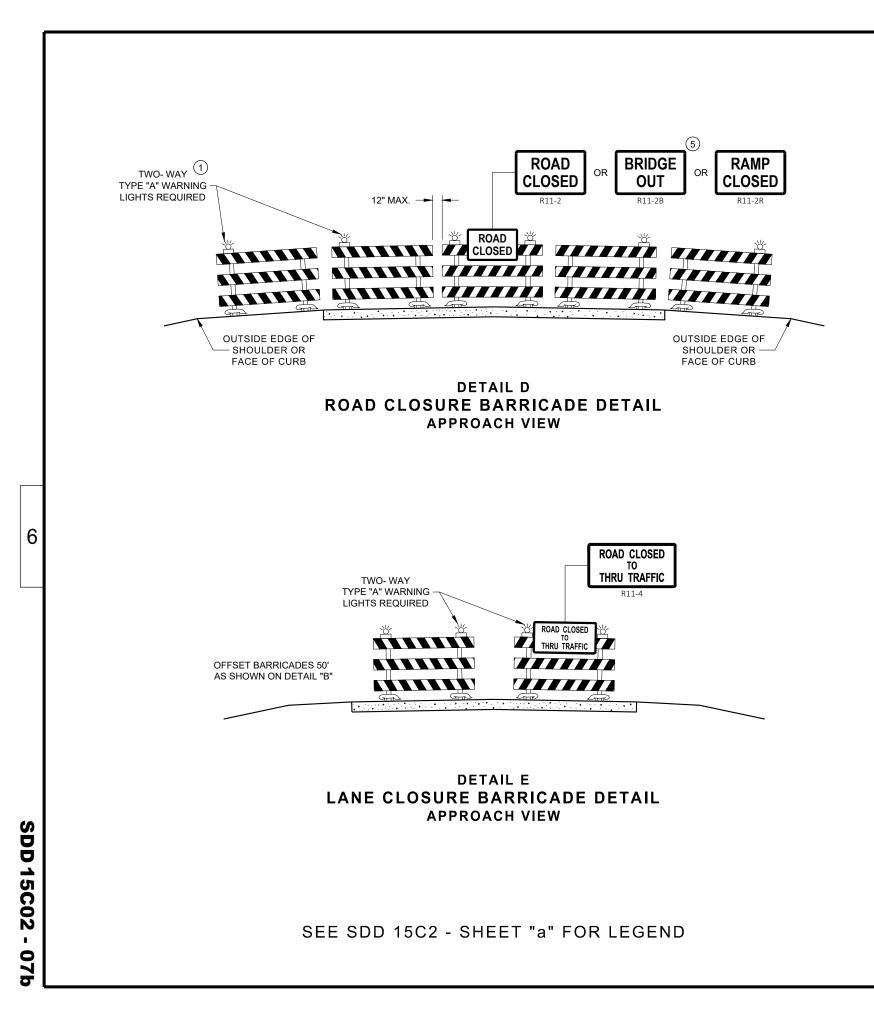
# Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-07C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-19A	LONGI TUDI NAL MARKI NG (MAI NLI NE)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-06	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-03	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-06	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



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#### **GENERAL NOTES**

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

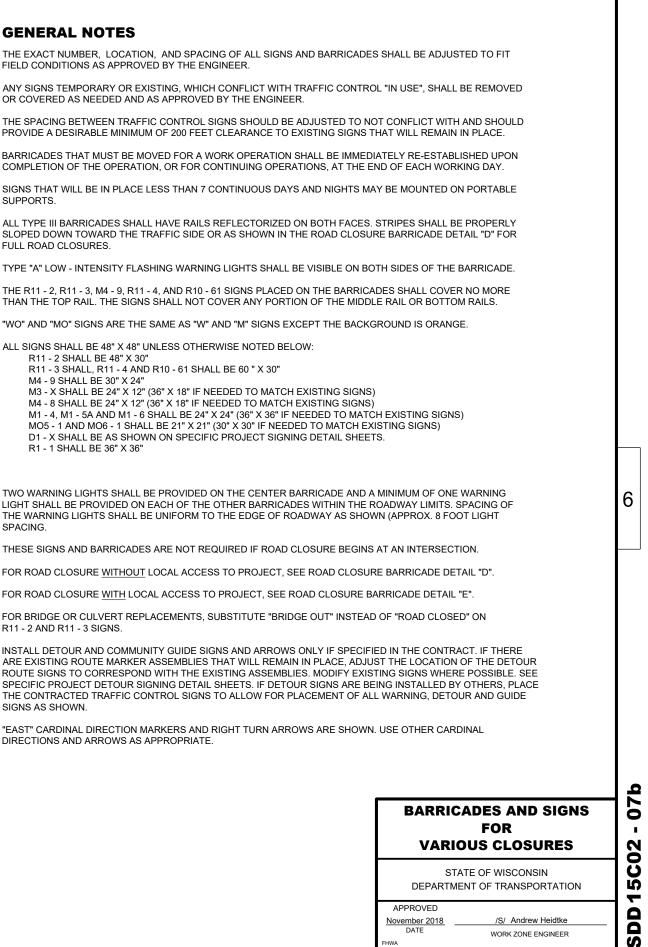
FULL ROAD CLOSURES.

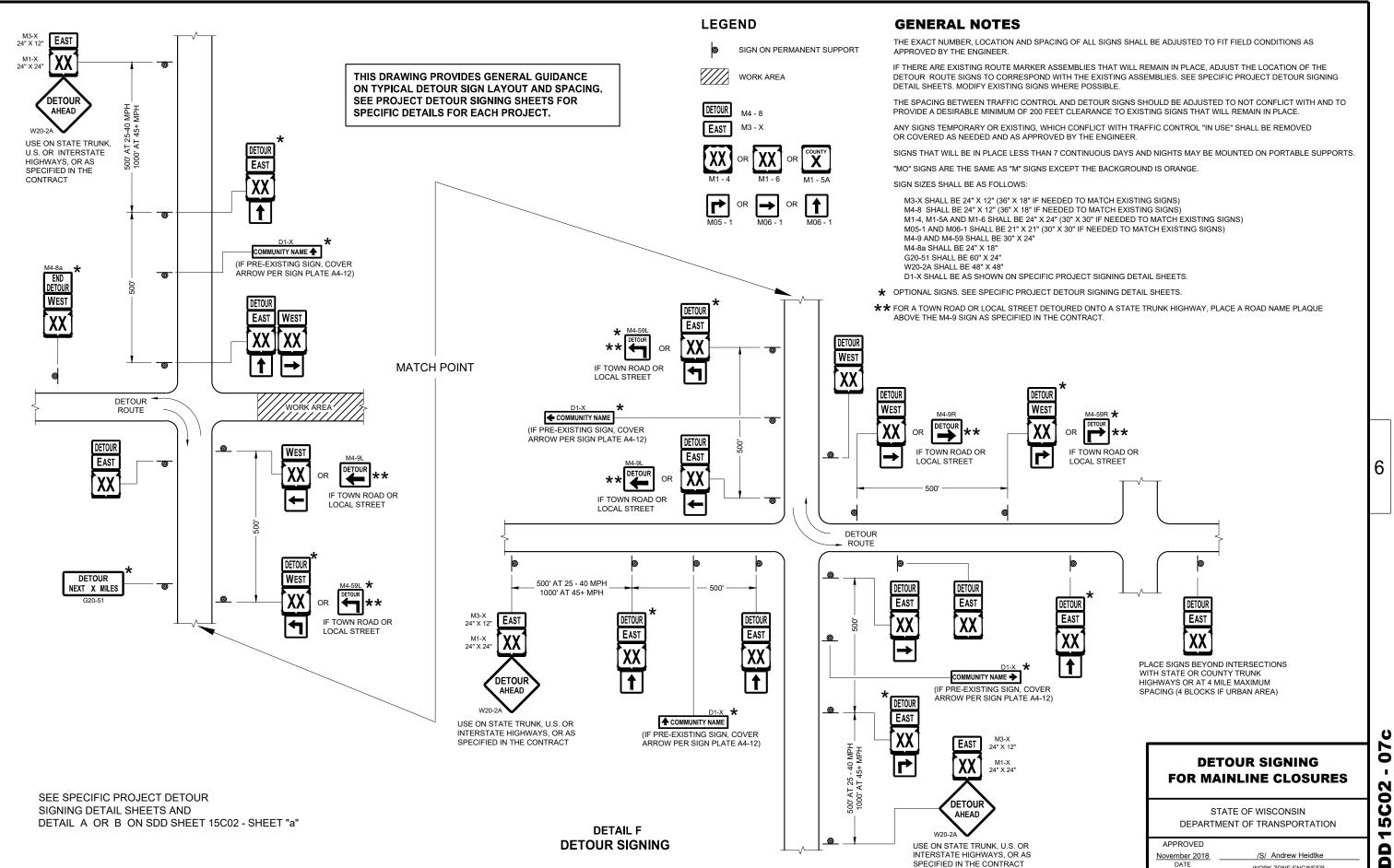
THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11 - 2 SHALL BE 48" X 30"
  - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " X 30" M4 - 9 SHALL BE 30" X 24"
  - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
  - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

  - D1 X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
  - R1 1 SHALL BE 36" X 36"
- (1)TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE SIGNS AS SHOWN.
- (7)"EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

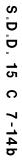


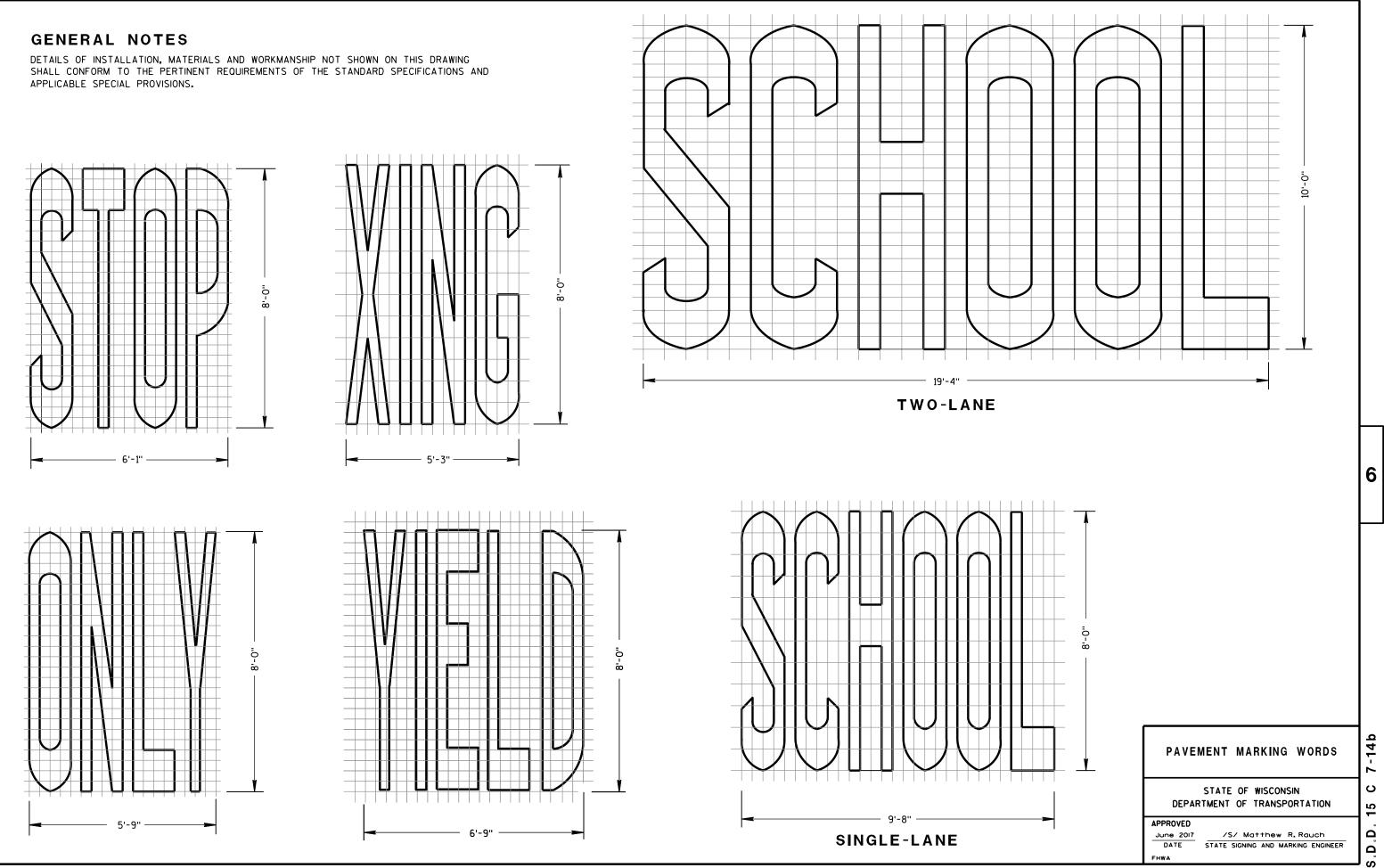


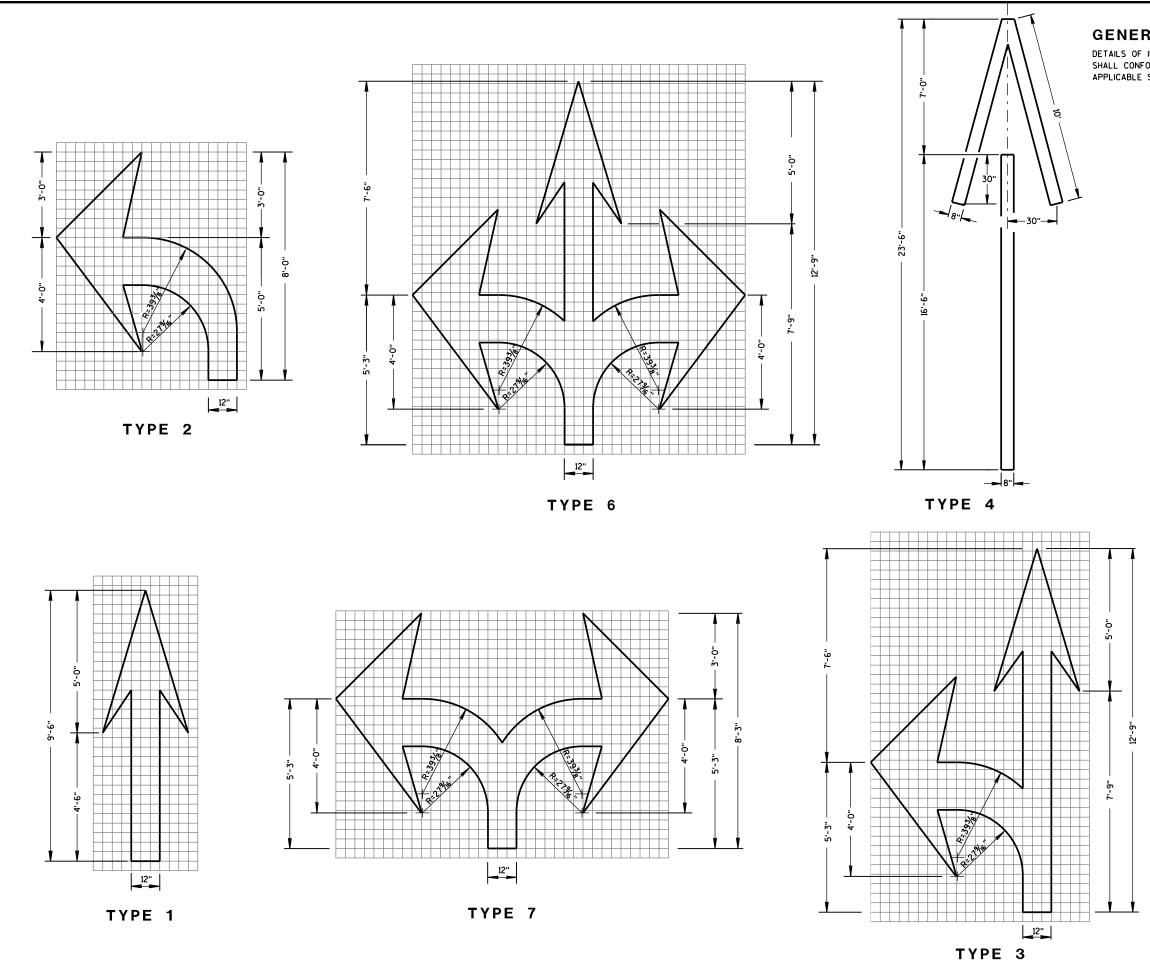
November 2018 DATE

WORK ZONE ENGINEER

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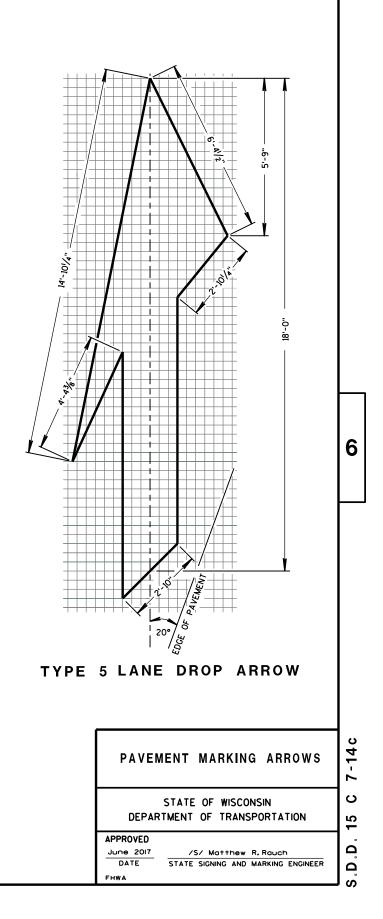
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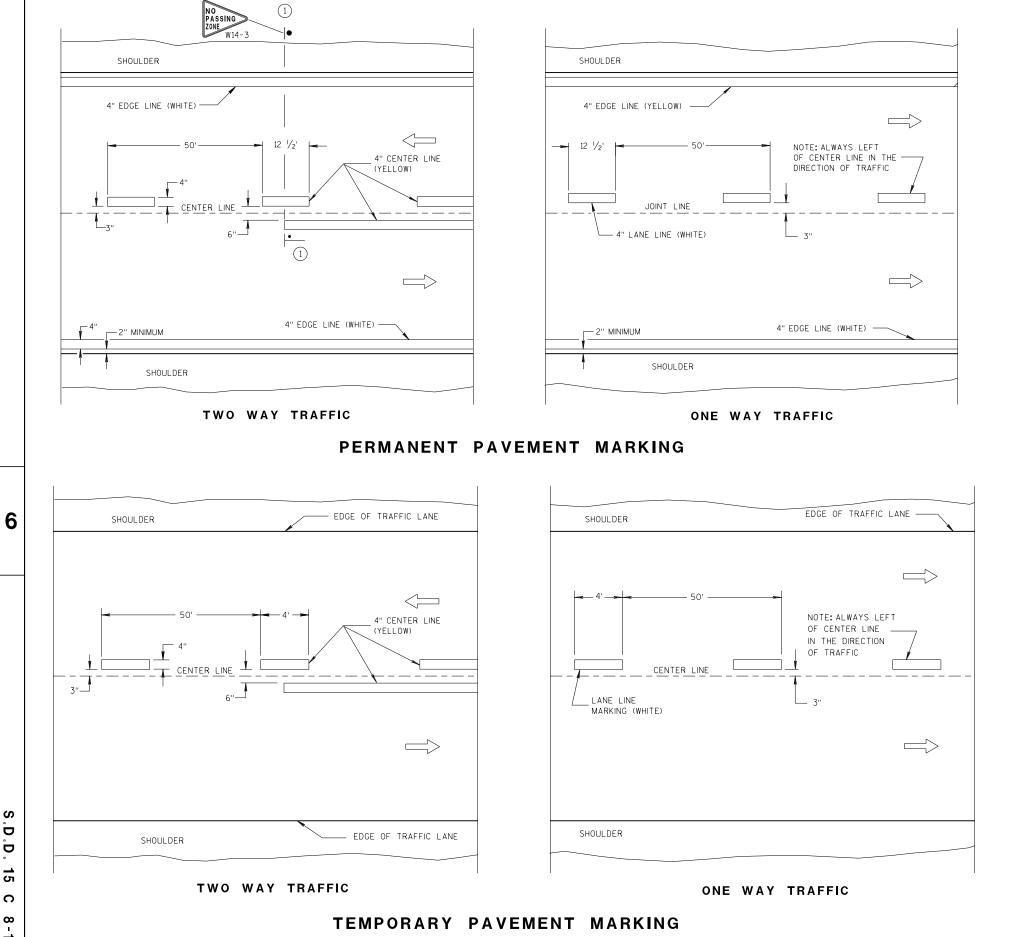
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# GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.





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#### **GENERAL NOTES**

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

#### LEGEND

"T" MARKING

POST MOUNTED SIGN

6

#### LONGITUDINAL MARKING (MAINLINE)

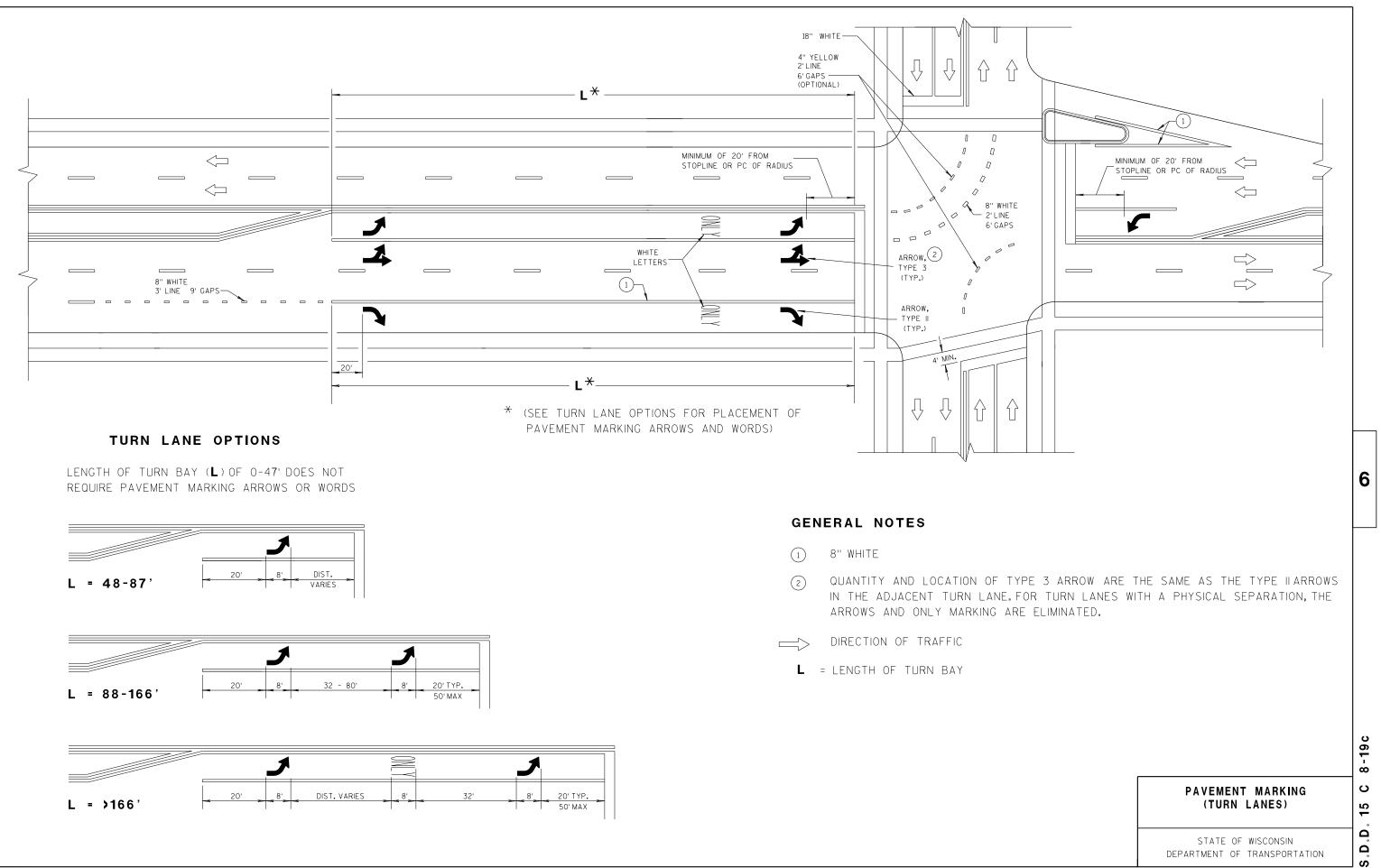
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

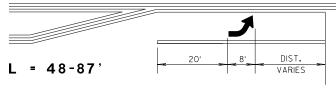
APPROVED

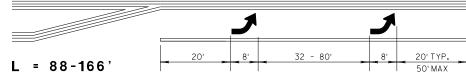
7/2018 /S/ Matthew R. Rauch DATE STATE SIGNING AND MARKING ENGINEER

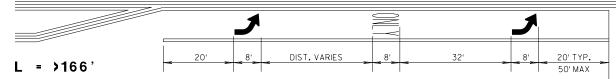
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8-19a C 15 Δ Δ S



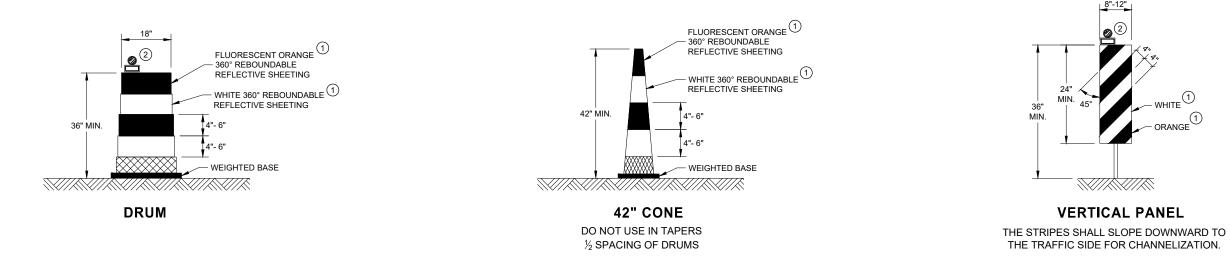


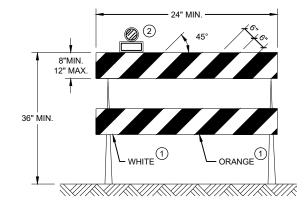




## **GENERAL NOTES**

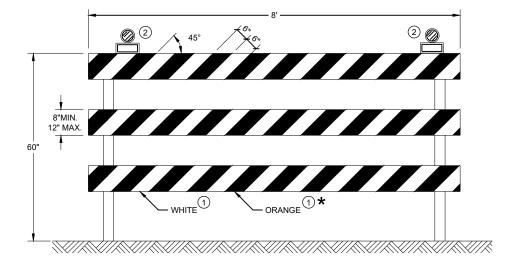
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





**TYPE II BARRICADE** 

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



#### **TYPE III BARRICADE**

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

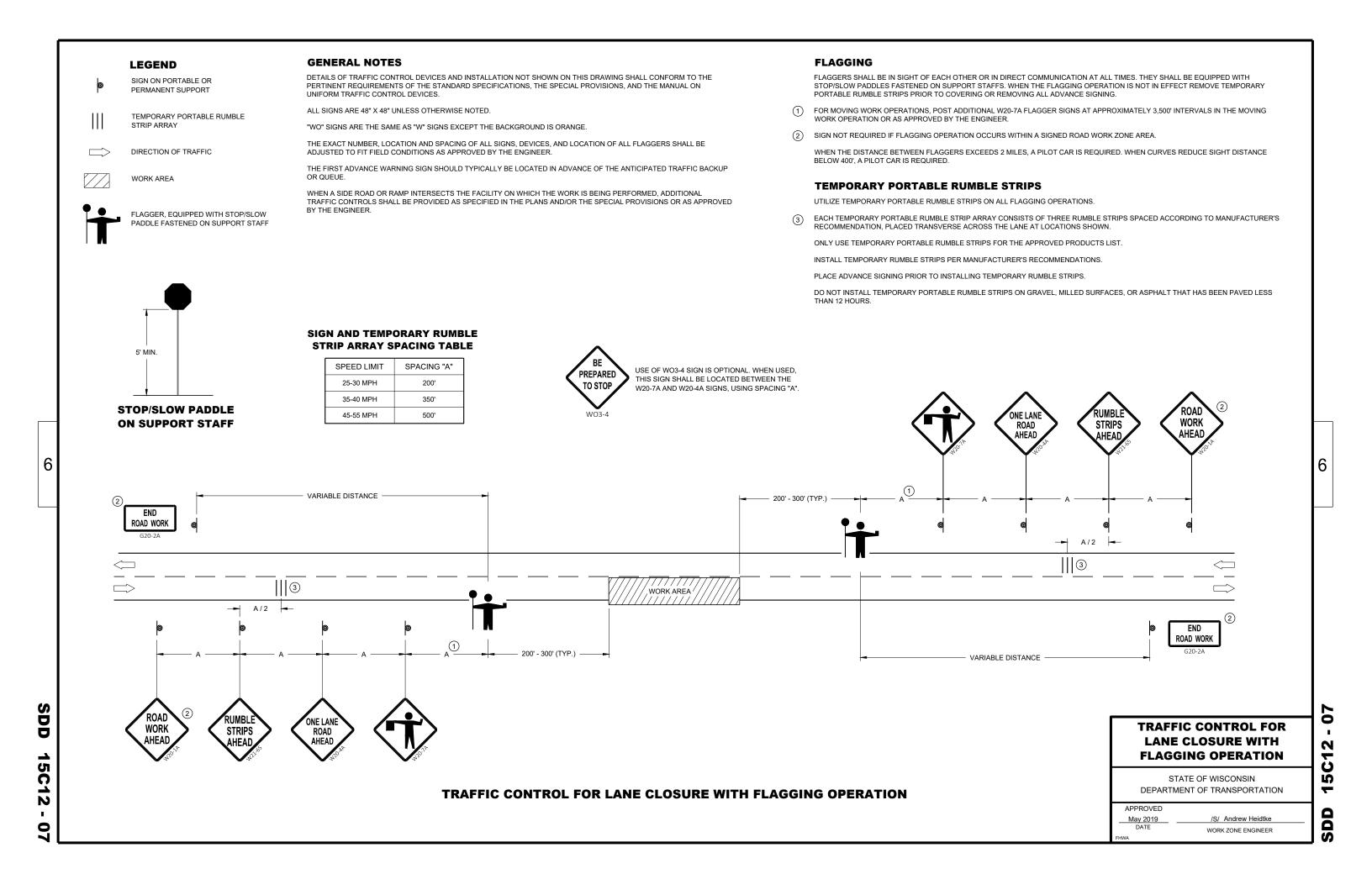
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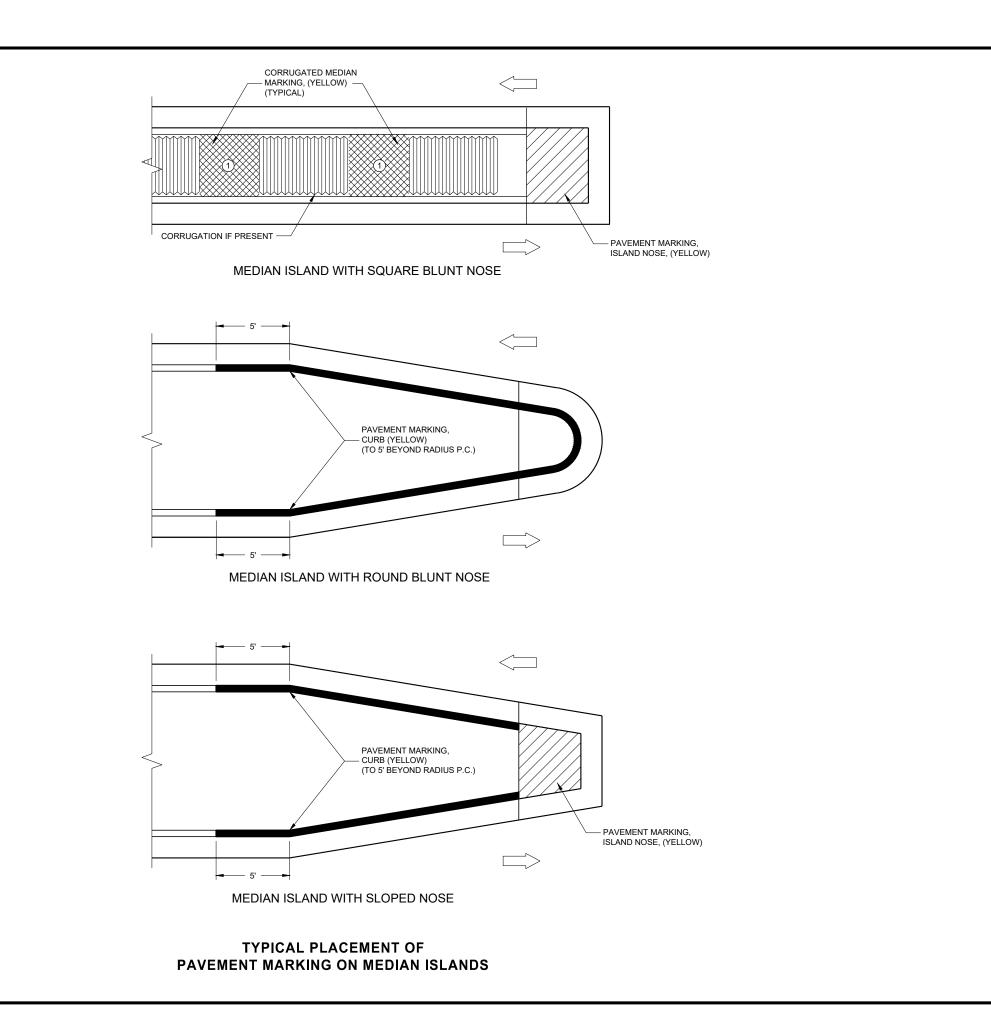
# **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES** AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED June 2017 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER





**SDD 15C27 - 03** 

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# **GENERAL NOTES**

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



ISLAND NOSE MARKING

CURB MARKING



CORRUGATED MEDIAN MARKING



DIRECTION OF TRAVEL

6

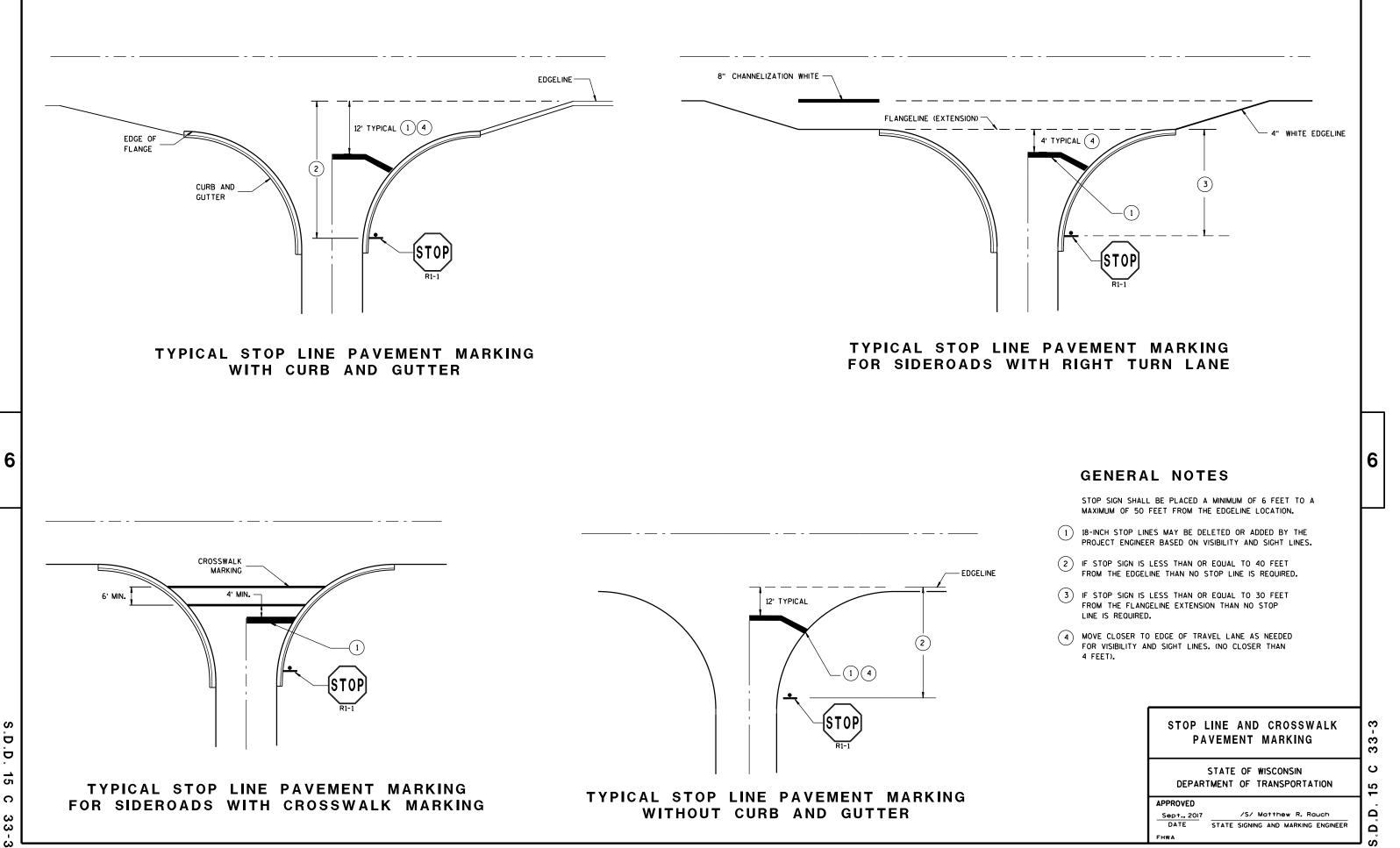
# PAVEMENT MARKINGS (ISLANDS)

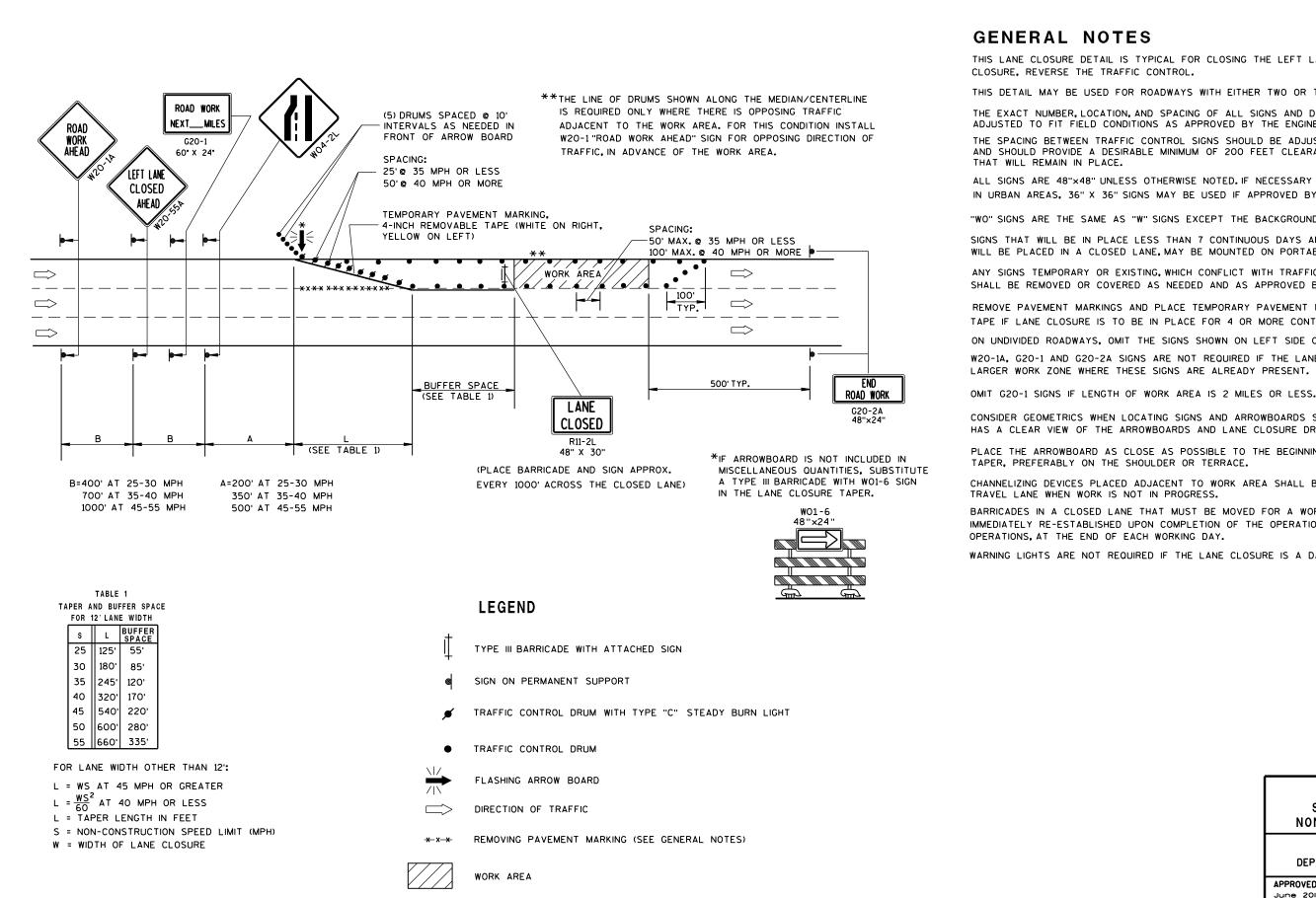
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 7/2018 DATE

/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER

DAT





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- THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE
- THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.
- THE EXACT NUMBER. LOCATION. AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH
- AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS
- ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.
- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.
- ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
- REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.
- ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.
- W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.
- CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.
- PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE
- CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE
- BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING
- WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

#### TRAFFIC CONTROL SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

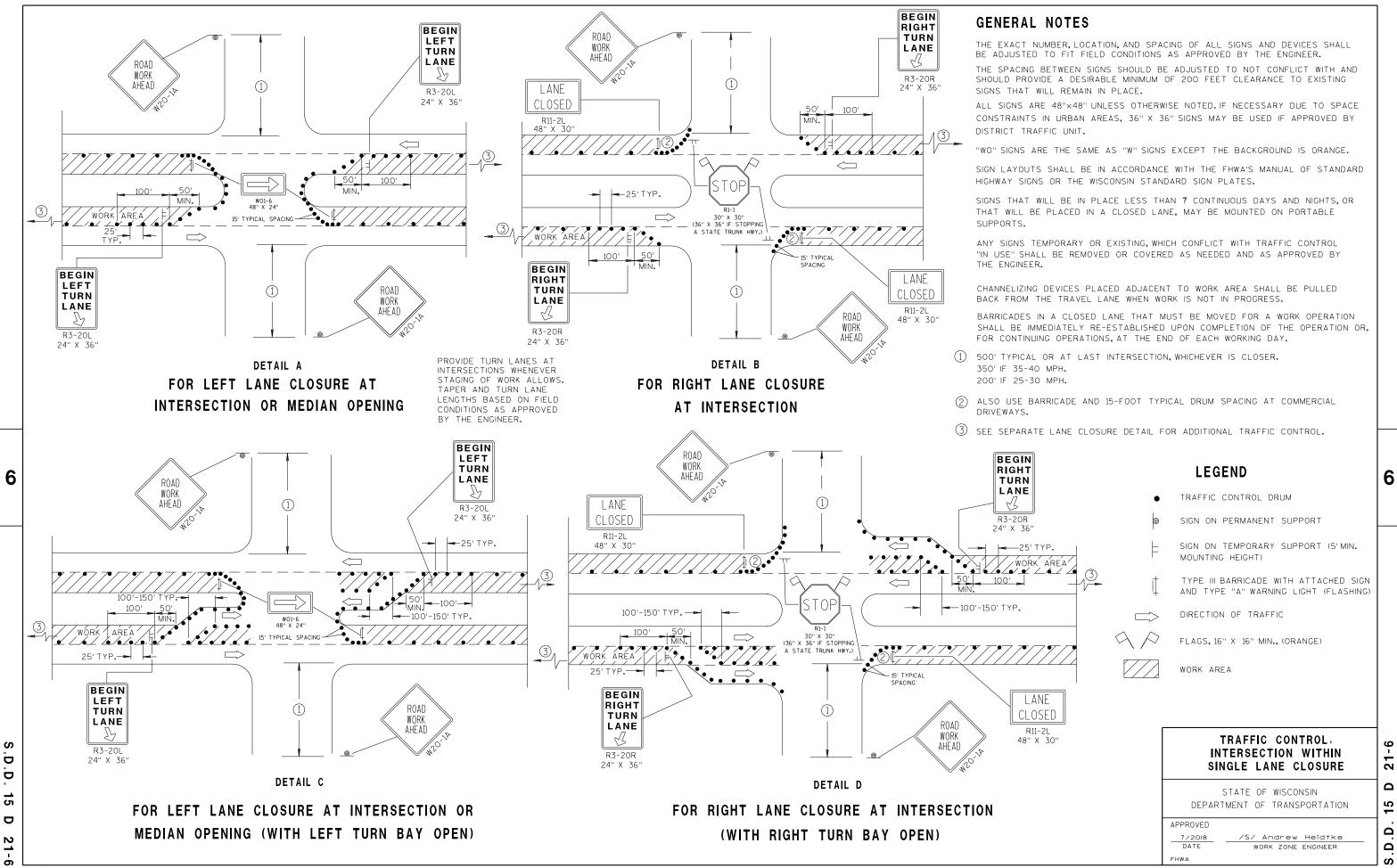
APPROVED June 2016 DATE

FHWA

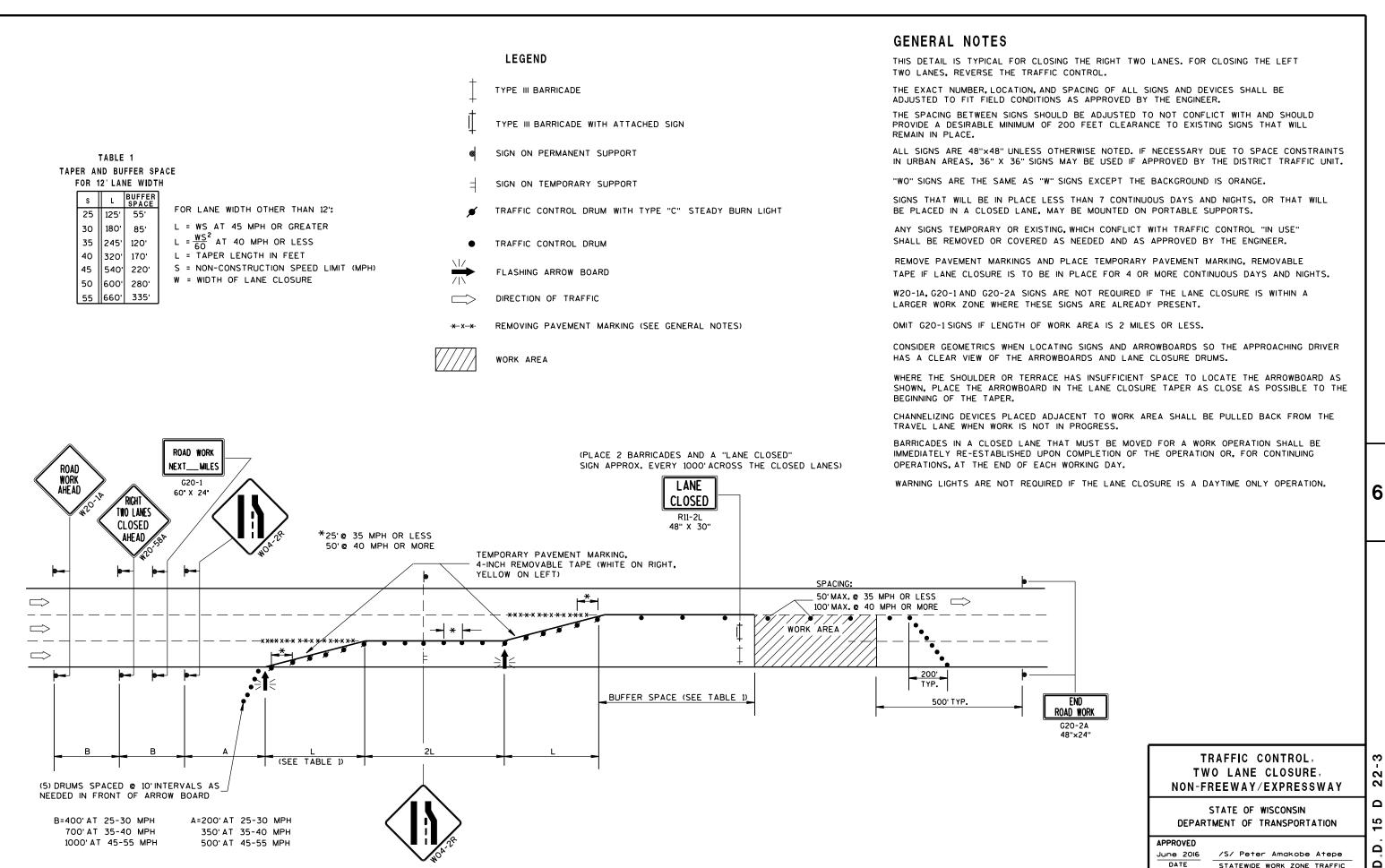
/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER 6

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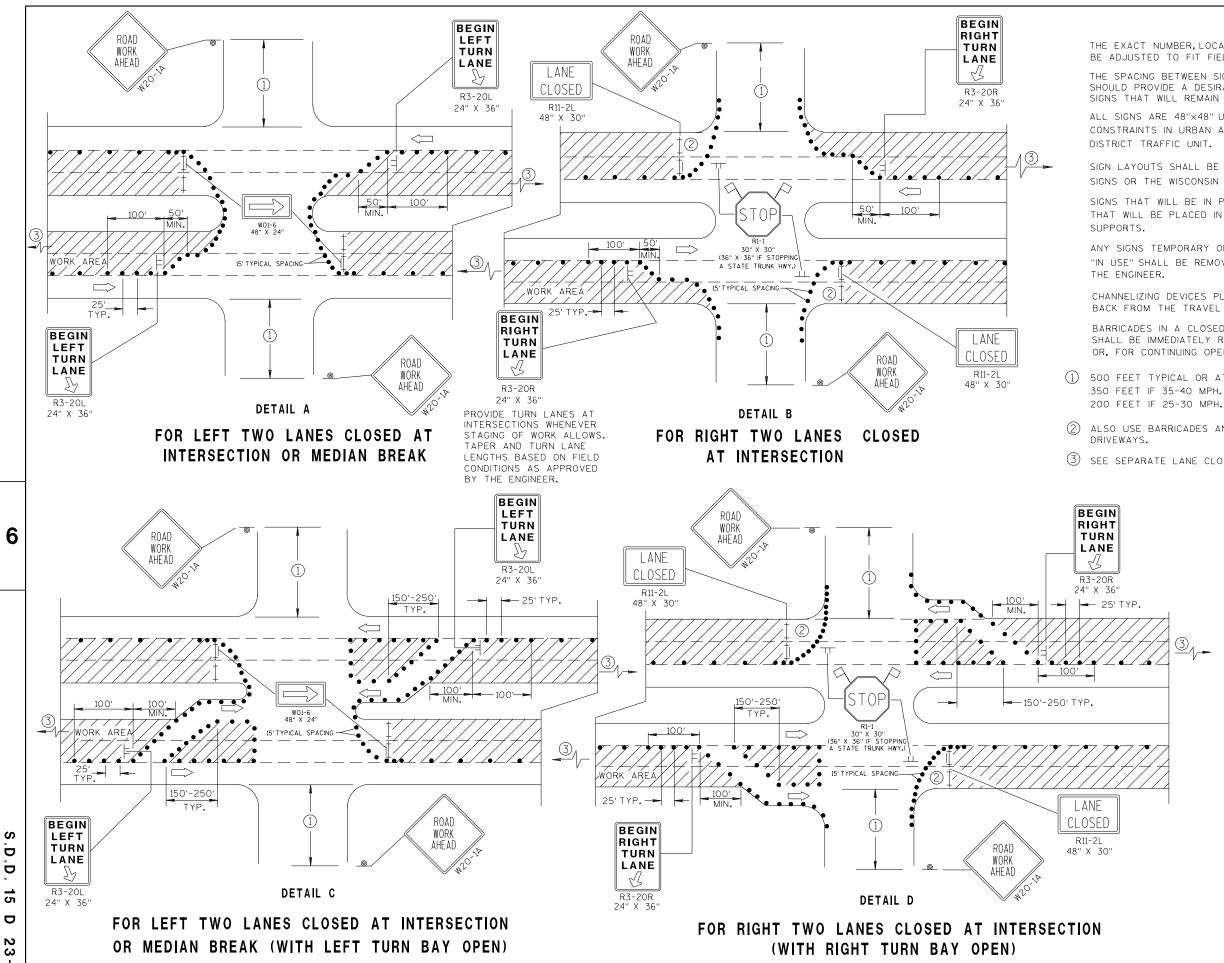


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0	FIT	FIELD	CONDIT	IONS	AS	APP	ROVE	D	ΒY	THE	ENGINEER.	

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED, IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

(1) 500 FEET TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.

ALSO USE BARRICADES AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL

3 SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

# LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
  - TYPE III BARRICADE
  - TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

FLAGS, 16" X 16" MIN., (ORANGE)

A

6

WORK AREA

## TRAFFIC CONTROL, INTERSECTION WITHIN **TWO LANE CLOSURE**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

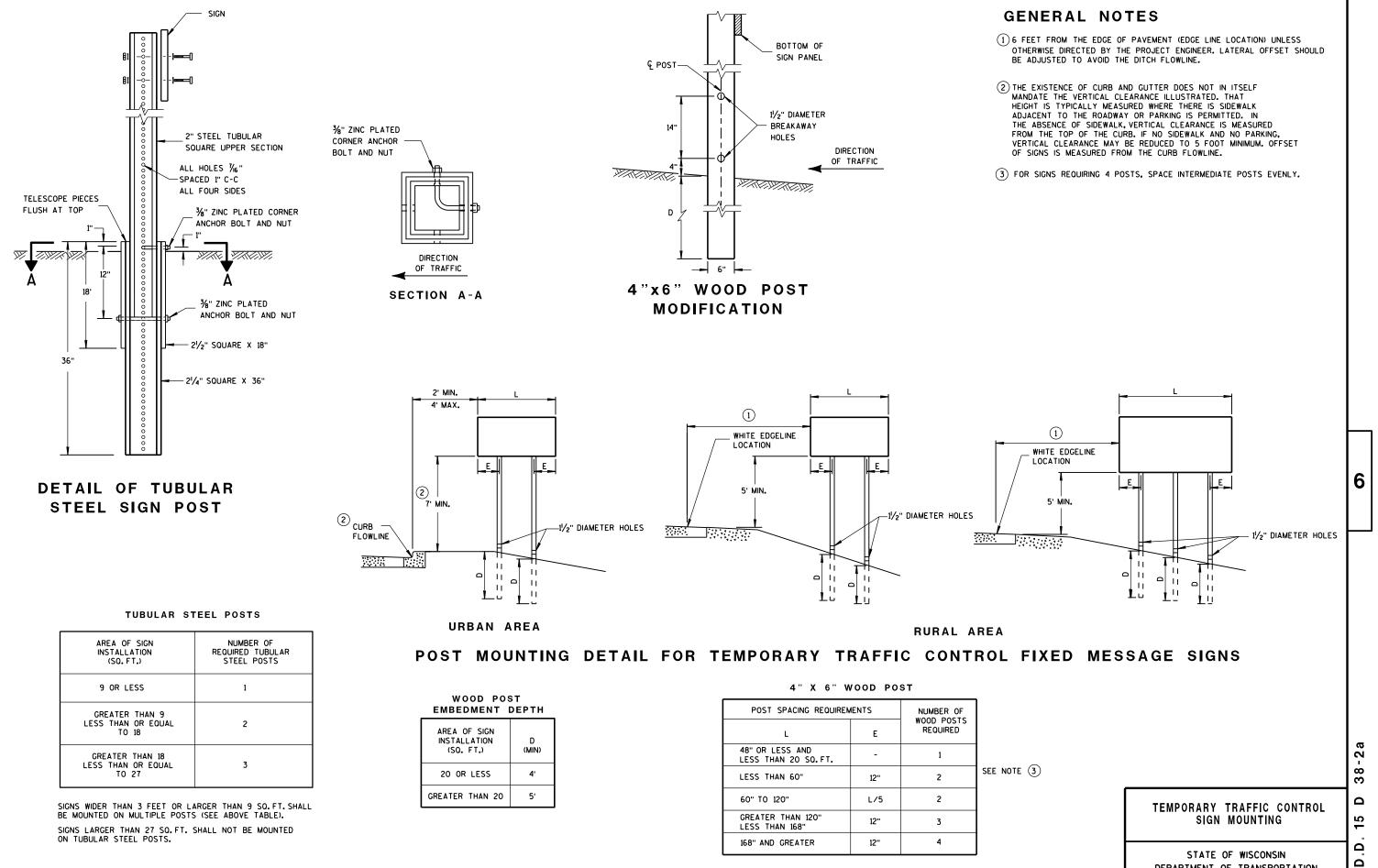
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7/2018 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

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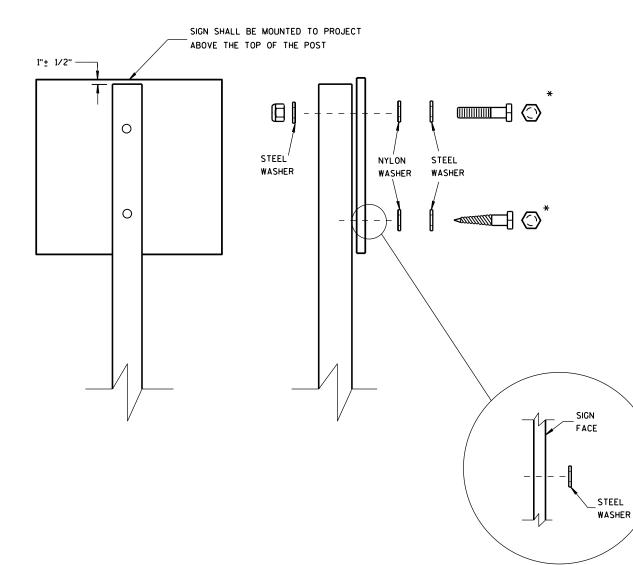
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WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

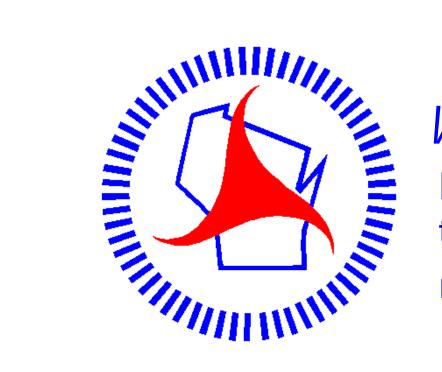
NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER: A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3 B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3 THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS. WOOD POSTS (4" x 4" or 4" x 6") LAG SCREWS - 3/8" X 3" MACHINE BOLTS - 5/6" X 6-1/2" OR 7" LENGTH W/ NUTS SOUARE STEEL POSTS (2" x 2") MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS RIVETS - 3/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL 0.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH WASHERS (ALL POSTS) -1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL 1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS \* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER

OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SO. FT. REQUIRE THE USE OF 3 FASTENERS.

AT.	TACHMENT OF SIGNS TO POSTS
-	TATE OF WISCONSIN MENT OF TRANSPORTATION
APPROVED	
June 2017	/S/ Andrew Heidtke
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