MAD APRIL 2016 FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT ORDER OF SHEETS STATE OF WISCONSIN PROJECT ID Section No. 1 Title DEPARTMENT OF TRANSPORTATION _ Section No. 2 Typical Sections and Details 5310-01-74 Section No. 3 Estimate of Quantities Miscellaneous Quantities Ö Right of Way Plat PLAN OF PROPOSED IMPROVEMENT Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings O Section No. 7 Sign Plates **SPRING GREEN - MADISON** ω PINEHURST DRIVE TO USH 12 Section No. 9 Cross Sections **USH 14** TOTAL SHEETS = 140 DANE COUNTY STATE PROJECT NUMBER 5310-01-74 R-8-E RD SCHNEIDER RD (1) ORIGINAL PLANS PREPARED BY END PROJECT T-8-N STA. 405+71.71 benesch DESIGN DESIGNATION engineers - scientists - planners Alfred Benesch & Company 1300 West Canal Street, Suite 150 A.A.D.T. 2016 = 20300 A.A.D.T. 2036 = 24500 Milwaukee, Wisconsin 53233 D.H.V. **BEGIN PROJECT** 414-308-1310 - Job No. 20189.02 D.D. = 59/41 STA. 356+52.40 = 5.3 Y=399,913.54 DESIGN SPEED = 50 MPH X=2,091,893.06 立/AMANDA E **ESALS** = 3,900,000 ZACHARIAS E-35716 MILWAUERE CONVENTIONAL SYMBOLS PROFILE CORPORATE LIMITS *!//////* GRADE LINE ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOT LINE (To be noted as such) PASS RD LIMITED HIGHWAY EASEMENT BLACKHAWK RD SPECIAL DITCH EXISTING RIGHT OF WAY STATE OF WISCONSIN GRADE ELEVATION DEPARTMENT OF TRANSPORTATION PROPOSED OR NEW R/W LINE CULVERT (Profile View) SLOPE INTERCEPT PREPARED BY UTILITIES BUESING AND ASSOCIATES, INC. REFERENCE LINE Surveyor ELECTRIC ALFRED BENESCH & CO Designer EXISTING CULVERT FIBER OPTIC LALITHA BALACHANDRAN Project Manager PROPOSED CULVERT GAS Regional Examiner SANITARY SEWER WILLIAM STROBEL Regional Supervisor_ COMBUSTIBLE FLUIDS LAYOUT STORM SEWER 1 MILE COORDINATES ON THIS PLAN ARE REFERENCED TO WISCONSIN STATE PLANE TELEPHONE SCALE L COORDINATE SYSTEM, SOUTH ZONE, NADB3 (1983) IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. APPROVED FOR THE DEPARTMENT WATER MARSH AREA UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 0.932 POWER POLE WOODED OR SHRUB AREA TELEPHONE POLE Ø FILE NAME : Y:\MILWAUKEE\20100S\20189.02\53100104\SHEETSPLAN\010101_TI.DWG PLOT NAME : PLOT DATE: 10/20/2015 2:27 PM PLOT BY : WATT, TIMOTHY WISDOT/CADDS SHEET 10

GENERAL NOTES

- 1. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
- 2. UNLESS NOTED ON THE PLAN, ALL STATIONS AND OFFSETS ARE REFERENCED FROM € USH 14.
- 3. EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN
- 4. EXISTING DRIVEWAYS SHALL BE RESTORED IN KIND AS DIRECTED BY THE
- 5. 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.
- 6. ALL ELEVATIONS AND OFFSETS SHOWN IN THE PLAN SHALL BE VERIFIED IN
- 7. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- 8. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- 9. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DEEMS THE MEASURE NO LONGER NECESSARY.
- 10. HMA PAVEMENT CALCULATED AT 112 LB/SY/IN
- 11. EXISTING PAVEMENT DEPTHS ARE BASED ON AS-BUILT INFORMATION WHERE
- 12. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

ATC MANAGEMENT, INC - ELECTRICITY 2489 RINDEN RD

COTTAGE GROVE, WI 53527 MR. DOUG VOSBERG (608) 877-7650 dvosberg@atclic.com

(608) 444-9619 (MOBILE) rparker@mae.com CHARTER COMMUNICATIONS - COMMUNICATIONS | TDS TELECOM - COMMUNICATIONS LINE

2701 DANIELS ST. MADISON, WI 53718 MR. BRANDON STORM (608) 444-9493 brandon.storm@charter.com 4001 FELLAND RD, SUITE 108

UTILITY CONTACTS

(REPRESENTING TDS TELECOM) (920) 392-4699 (MOBILE) zdupee@mi-tech.us

133 S BLAIR ST

MADISON, WI 53788

MR. RICH PARKER

MADISON GAS AND ELECTRIC COMPANY - ELECTRIC MADISON GAS AND ELECTRIC COMPANY - GAS

133 S BLAIR ST MADISON, WI 53788 MR. STEVE BEVERSDORF (608) 252-1552 (608) 444-9620 (MOBILE) sbeversdorf@mge.com

MIDDLETON MUNICIPAL WATER UTILITY

7426 HUBBARD AVE MADISON, WI 53718 MIDDLETON, WI 53562
MR. LOWELL "ZEKE" DUPEE, MI-TECH SERVICES, INC MR. DAVE SARBACKER (608) 821-8375 (608) 469-3330 (MOBILE) dsarbacker@ci.middleton.wi.us

HMA PAVEMENT LAYERS						
PAVEMENT LOCATION	TOTAL PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIMUM SIZE GRADATION	ASPHALTIC MATERIAL		
USH 14 INSIDE SHOULDER REPLACEMENT	6 ¾ INCHES	2" UPPER LAYER ¾" LEVELING LAYER 4" LOWER LAYER	12.5 MM UPPER 9.5 MM LEVELING 9.5 MM LOWER	PG 64-28		
USH 14 MAINLINE (CONCRETE SECTION)	2 ¾ INCHES	2" UPPER LAYER ¾" LEVELING LAYER	12.5 MM UPPER 9.5 MM LEVELING	PG 64-28		
USH 14 MAINLINE (ASPHALT SECTION)	2 INCHES	2" UPPER LAYER	12.5 MM UPPER	PG 64-28		
PLEASANT VIEW RD	2 - 5 ¾ INCHES	2" UPPER LAYER O-3¾" LEVELING LAYER	12.5 MM UPPER 9.5 MM LEVELING	PG 64-28		

LIST OF STANDARD ABBREVIATIONS

HYDRANT

7001	ADOTHICKT	1110	IIIDIANI
AC	ACRE	IN DIA	INCH DIAMETER
AGG	AGGREGATE	INL	INLET
AADT	ANNUAL AVERAGE DAILY TRAFFIC	ID	INSIDE DIAMETER
ASPH	ASPHALT	INV	INVERT
AVG	AVERAGE	IP	IRON PIPE
ADT	AVERAGE DAILY TRAFFIC	JT	JOINT
BF	BACK FACE	JCT	JUNCTION
BL	BASE LINE	LT	LEFT
ВМ	AVERAGE AVERAGE AVERAGE BACK FACE BASE LINE BENCH MARK CATCH BASIN CENTERLINE CENTER TO CENTER COMMERCIAL ENTRANCE CONCRETE	Ē	LENGTH OF CURVE
CB	CATCH BASIN	LHF	LEFT-HAND FORWARD
C/L	CENTERLINE	LF	LINEAR FOOT
CC	CENTER TO CENTER	Ē	LITER
ČĒ	COMMERCIAL ENTRANCE	ĪS .	LUMP SUM
CONC	CONCRETE	MH	MANHOLE
CO	COUNTY	MB	MESSAGE BOARD
CTH CY	COUNTY TRUNK HIGHWAY	MLB	MAILBOX
CY	CUBIC YARD	ML	MATCH LINE
ČÚLV	CULVERT	NC	NORMAL CROWN
C&G	CURB AND GUTTER	N	NORTH
DHV	CONCRETE COUNTY COUNTY TRUNK HIGHWAY CUBIC YARD CULVERT CURB AND GUTTER DESIGN HOUR VOLUME	Ÿ	NORTH GRID COORDINATE
DIA	DIAMETER	NB	
DD	DIRECTIONAL DISTRIBUTION	NO	
Ē	EAST	OD	OUTSIDE DIAMETER
x	EAST GRID COORDINATE	PAVT	PAVEMENT
ER	EASTROUND	PERM	PERMANENT
FLEC	FL FCTRIC	PERM PLE	PERMANENT LIMITED EASEMENT
FLEV	ELEVATION	PT	POINT
FSAIS	EQUIVALENT SINGLE AXLE LOADS	PVC	POLYVINYL CHLORIDE
EXC	EXCAVATION	PCC	PORTLAND CEMENT CONCRETE
EBS		PE	
EXIST	EXISTING	PROJ	PROJECT
FF	FACE TO FACE	PL	PROPERTY LINE
FE	FIELD ENTRANCE	Ŕ	RADIUS
FG	FINISHED GRADE		
FL	FLOW LINE	R/L RCCP REQD	REINFORCED CONCRETE CULVERT PIPE
FT	FOOT	REQD	REQUIRED
FTMS	FREEWAY TRAFFIC MANAGEMENT SYSTEM	RT	RIGHT
HES	HIGH EARLY STRENGTH	RHF	RIGHT HAND FORWARD
CWT	HUNDREDWEIGHT	R/W	RIGHT-OF-WAY
C III I	HUNDILDWEIGHT	11/ 11	NOTE OF WATE

RD RDWY ROAD ROADWAY SALV SALVAGED SSS SAN S SEC SANITARY AND STORM SEWER SANITARY SEWER SECTION SHLDR SW S SB SP SPECS SQ SF STD SDD STA SS STR SL TEL TEMP SHOULDER SIDEWALK SOUTH SOUTHBOUND **SPECIAL SPECIFICATIONS** SQUARE SQUARE FEET SQUARE YARD STANDARD STANDARD DETAIL DRAWINGS STATE TRUNK HIGHWAYS STATION STORM SEWER STRUCTURE OR STRUCTURAL SURVEY LINE TELEPHONE **TEMPORARY** TLE TEMPORARY LIMITED EASEMENT T TC T TOP OF CURB TRUCKS (PERCENT OF) TYP UG USH VAR LINDERGROUND UNITED STATES HIGHWAY VARIABLE **VERT VERTICAL** WATER WATER MAIN WМ WATER VALVE WESTBOUND WB YARD

ORDER OF SECTION 2 SHEETS

GENERAL NOTES TYPICAL SECTIONS CONSTRUCTION DETAILS PERMANENT SIGNING TRAFFIC SIGNAL PLAN PAVEMENT MARKING TRAFFIC CONTROL ALIGNMENT PLAN

OTHER AGENCIES

DESIGN

ALFRED BENESCH & COMPANY 1300 W CANAL ST, SUITE 150 MILWAUKEE, WI 53233 MS. AMANDA ZACHARIAS (414) 308-1320 azacharias@benesch.com

WISDOT

WISCONSIN DOT, SW REGION 2101 WRIGHT STREET MADISON, WI 53704 MS. LALITHA BALACHANDRAN (608) 243-3382 lalitha.balachandran@dot.wi.gov WDNR

WISCONSIN DEPARTMENT OF NATURAL RESOURCES 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 MR. ERIC HEGGELUND eric.heggelund@wisconsin.gov

or (800)242-8511

www.DiggersHotline.com

PROJECT NO:5310-01-74

ABUTMENT

ABUT

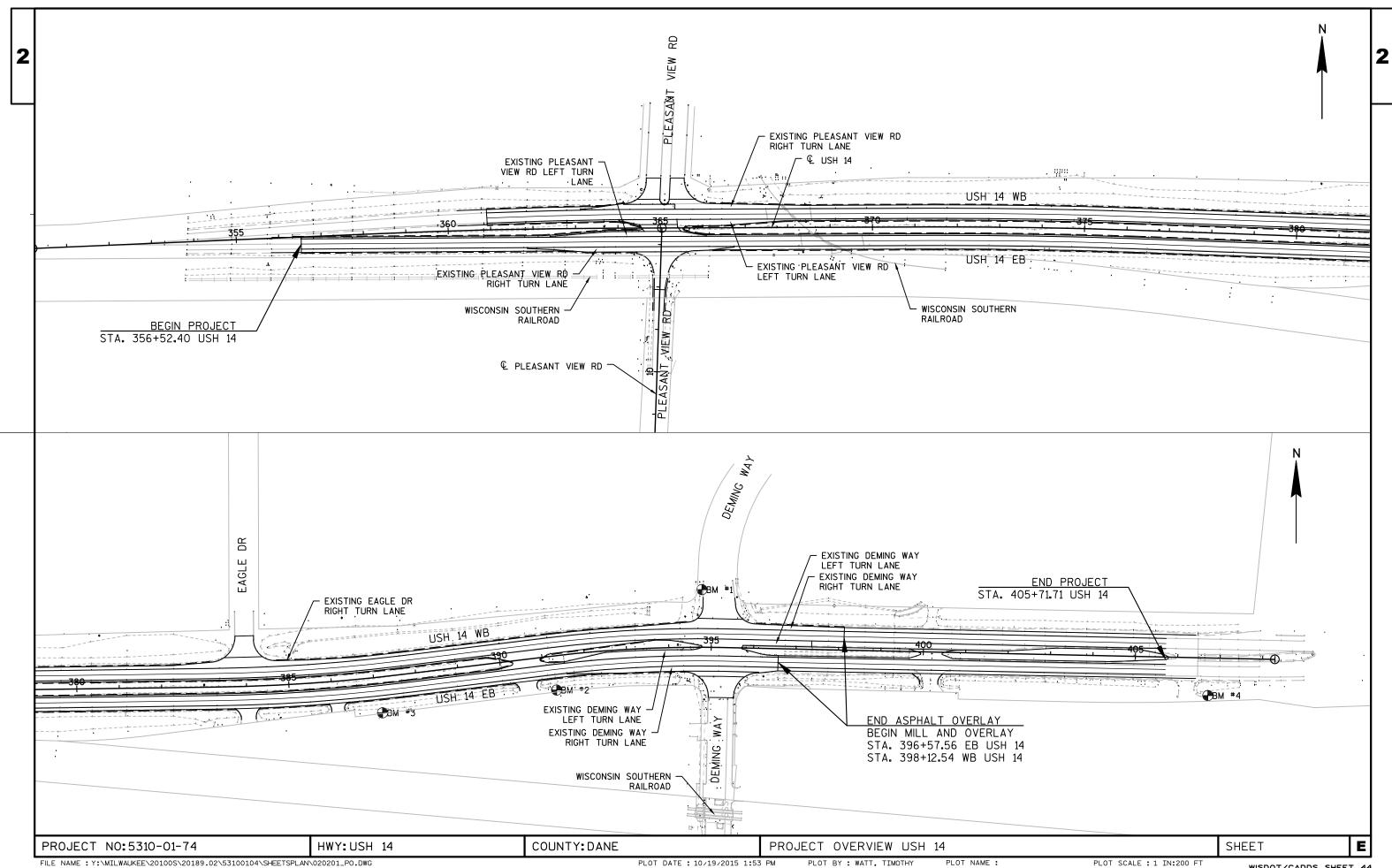
HWY: USH 14

COUNTY: DANE

GENERAL NOTES PLOT BY: WATT, TIMOTHY

SHEET

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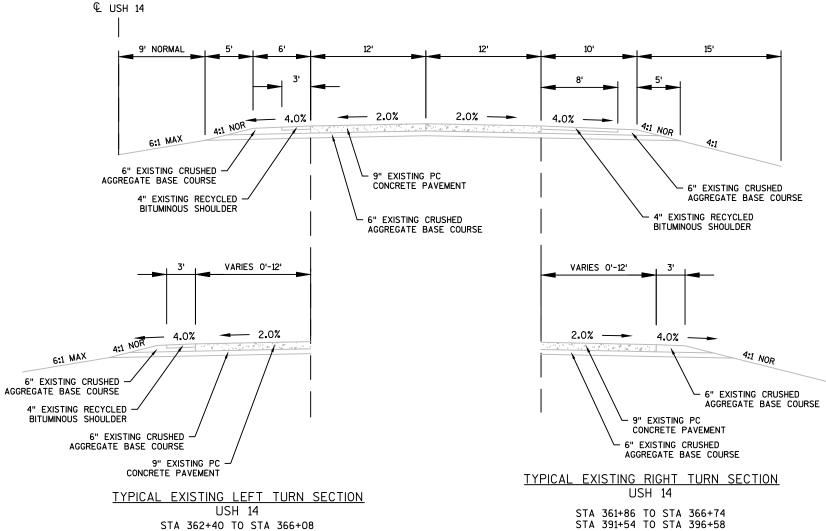


FILE NAME : Y:\MILWAUKEE\20100S\20189.02\53100104\SHEETSPLAN\020201_PO.DWG LAYOUT NAME - 020201_PO

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44





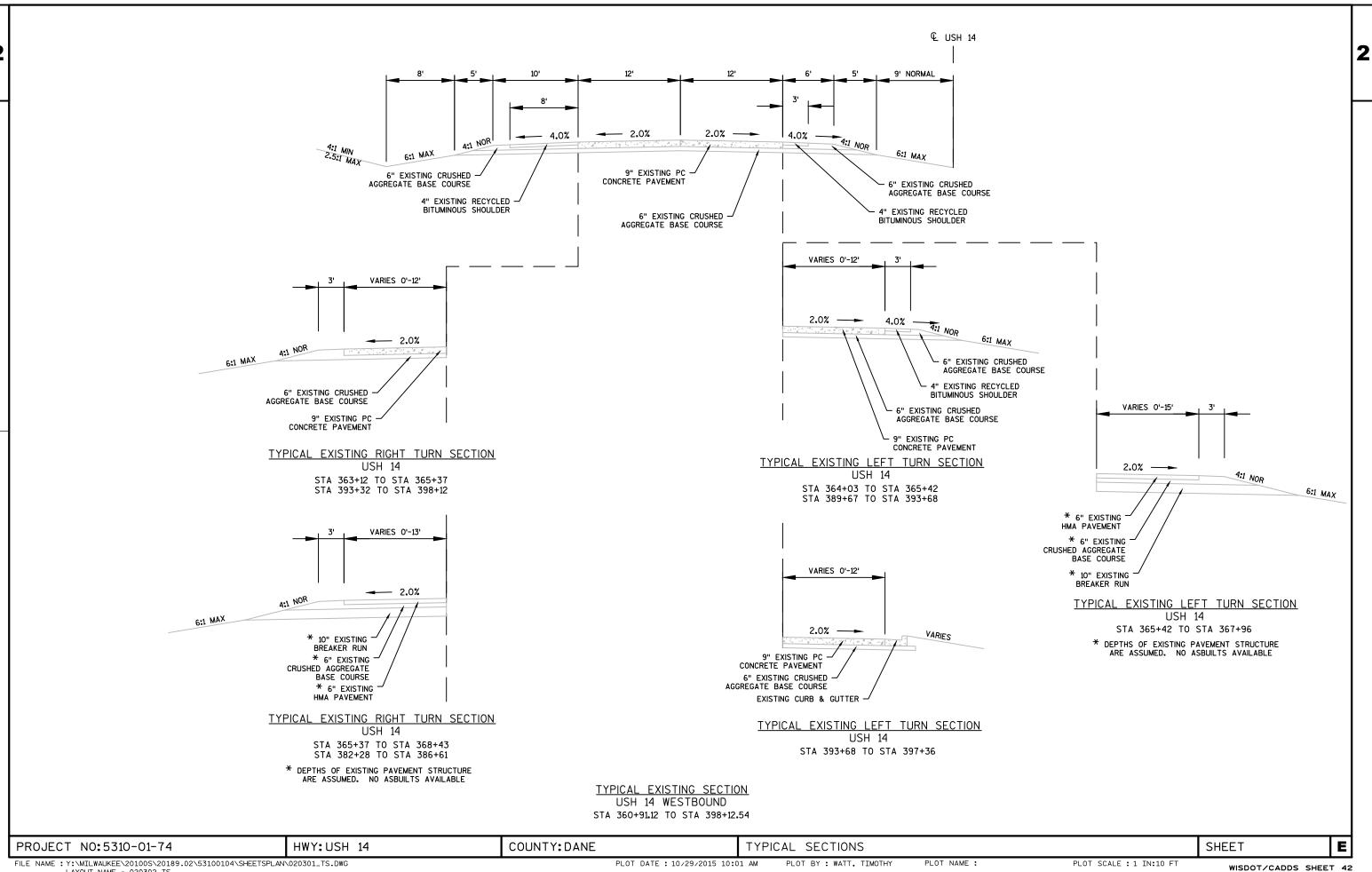
USH 14

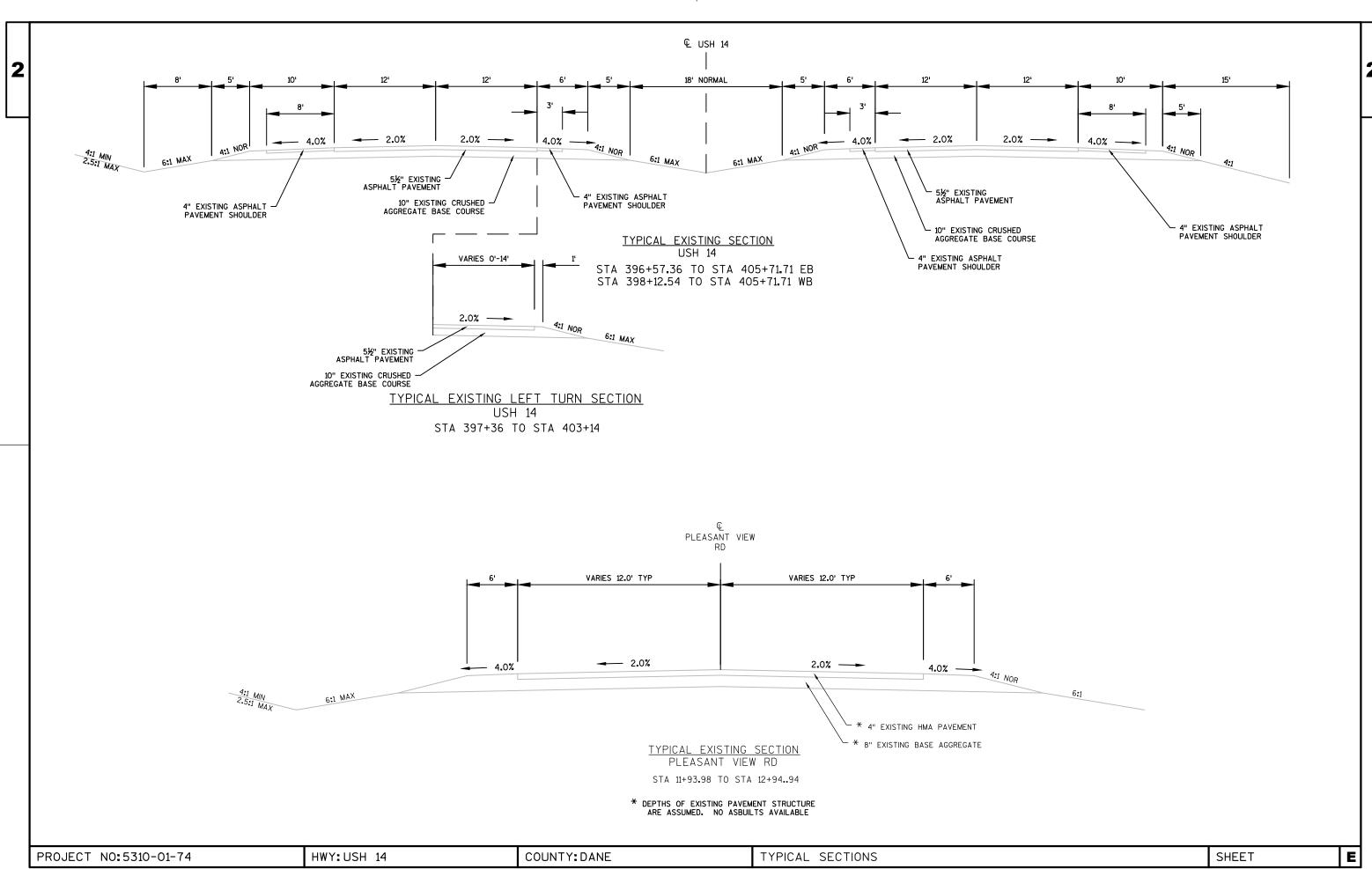
STA 362+40 TO STA 366+08 VARIES 0'-12' VARIES 2.0% 9" EXISTING PC CONCRETE PAVEMENT - 6" EXISTING CRUSHED AGGREGATE BASE COURSE EXISTING CURB & GUTTER

TYPICAL EXISTING LEFT TURN SECTION USH 14 STA 391+51 TO STA 396+58

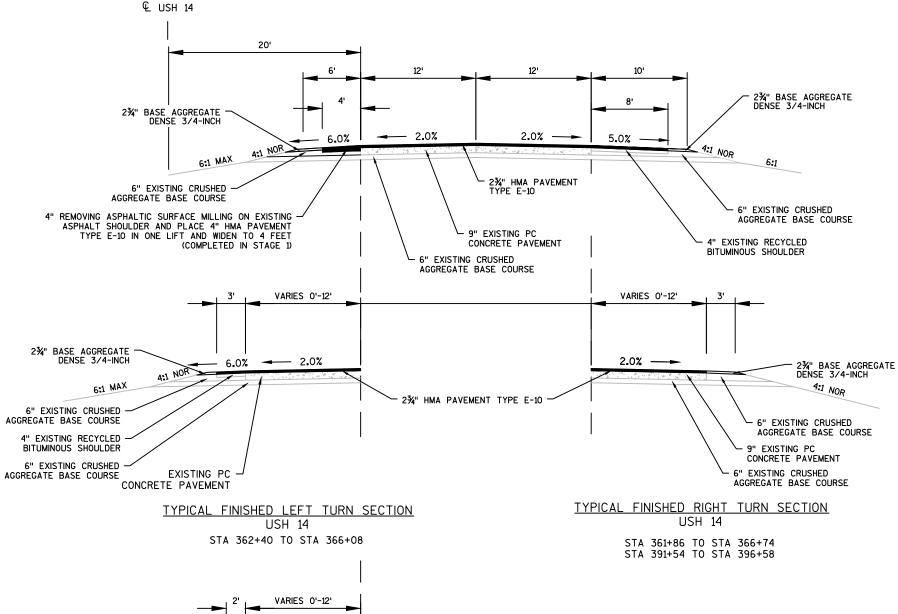
> TYPICAL EXISTING SECTION USH 14 EASTBOUND STA 356+52.40 TO STA 396+57.56

PROJECT NO:5310-01-74 COUNTY: DANE SHEET E HWY: USH 14 TYPICAL SECTIONS









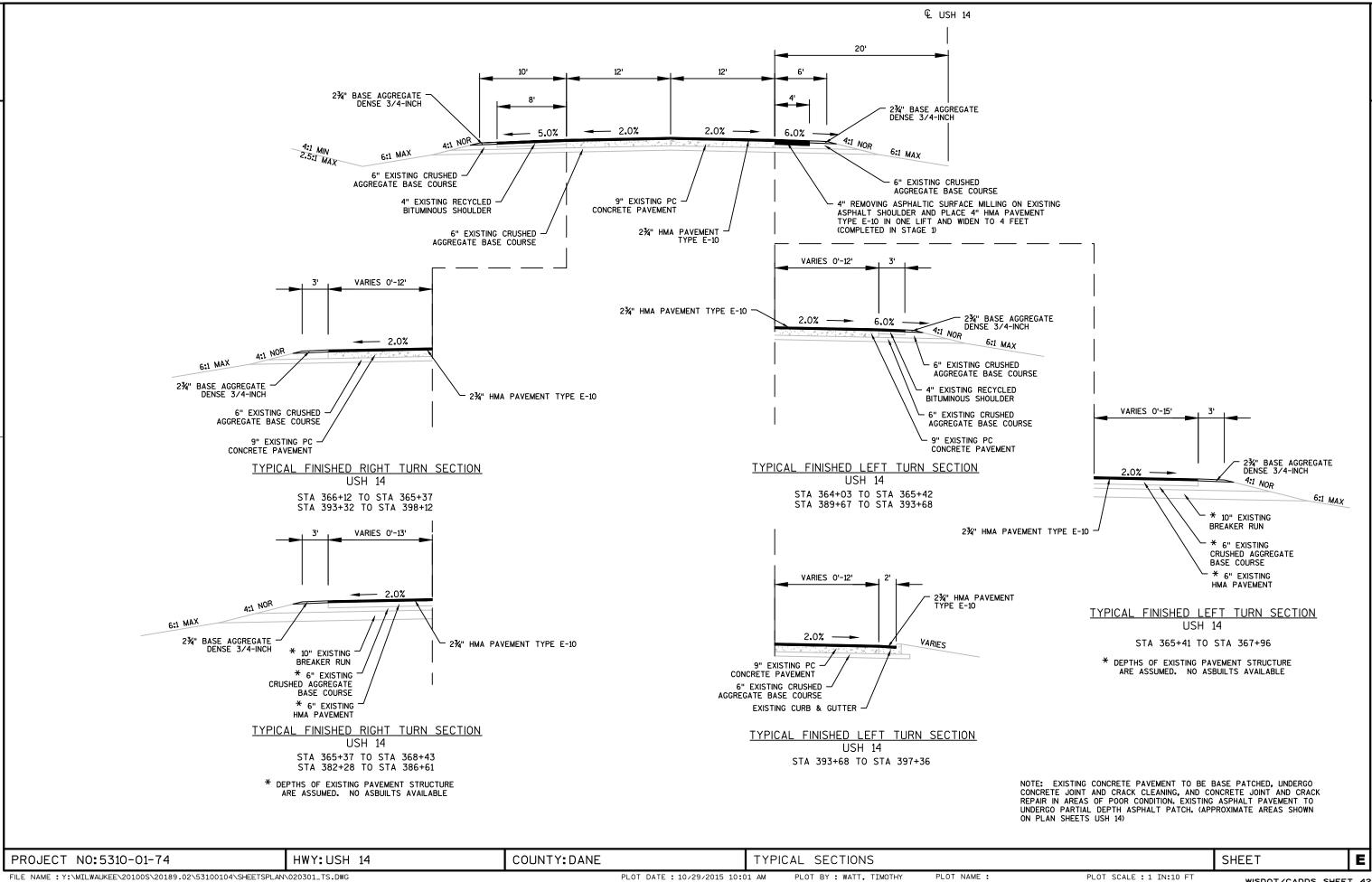
2¾" HMA PAVEMENT TYPE E-10 VARIES - 2,0% 9" EXISTING PC CONCRETE PAVEMENT 6" EXISTING CRUSHED AGGREGATE BASE COURSE - EXISTING CURB & GUTTER

> TYPICAL FINISHED LEFT TURN SECTION USH 14

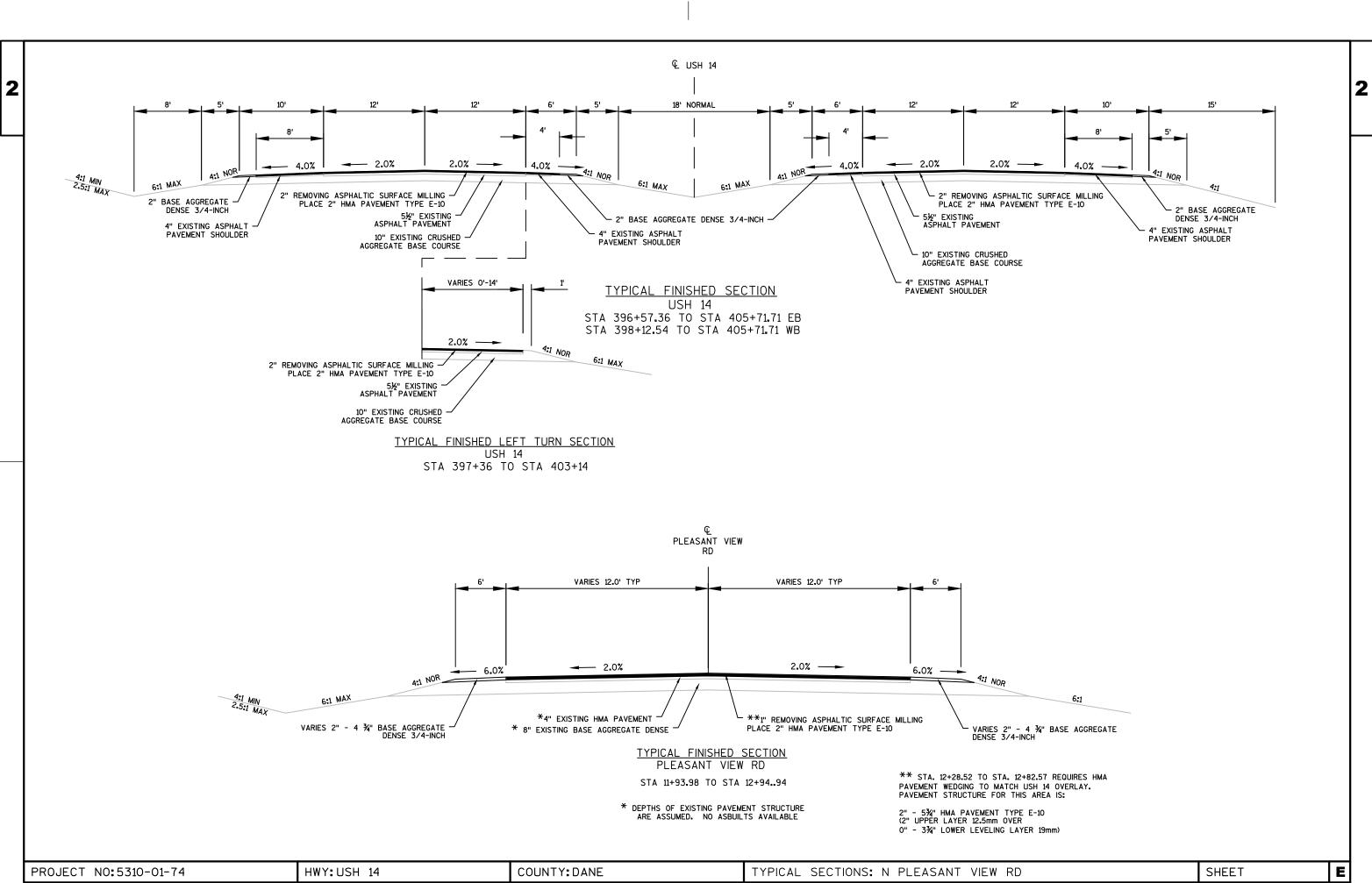
> > STA 391+51 TO STA 396+58

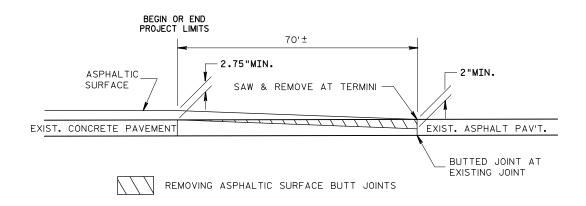
TYPICAL FINISHED SECTION USH 14 EASTBOUND STA 356+52.40 TO STA 396+57.56 NOTE: EXISTING CONCRETE PAVEMENT TO BE BASE PATCHED, UNDERGO CONCRETE JOINT AND CRACK CLEANING, AND CONCRETE JOINT AND CRACK REPAIR IN AREAS OF POOR CONDITION. EXISTING ASPHALT PAVEMENT TO UNDERGO PARTIAL DEPTH ASPHALT PATCH. (APPROXIMATE AREAS SHOWN ON PLAN SHEETS USH 14)

PROJECT NO:5310-01-74 E HWY: USH 14 COUNTY: DANE TYPICAL SECTIONS SHEET PLOT DATE: 10/29/2015 10:01 AM PLOT NAME :

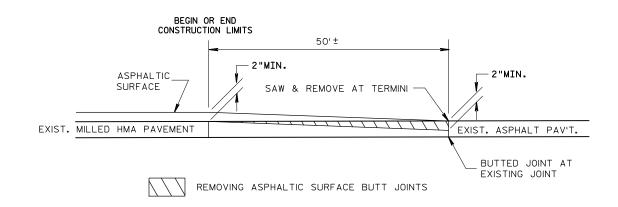


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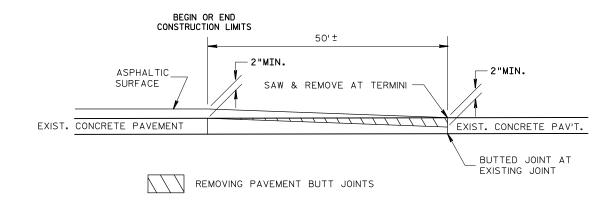




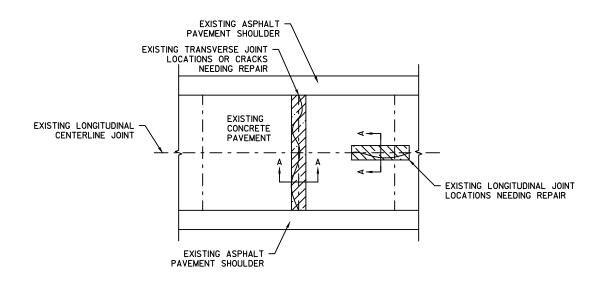
OVERLAP JOINT, BUTTED DETAIL USH 14



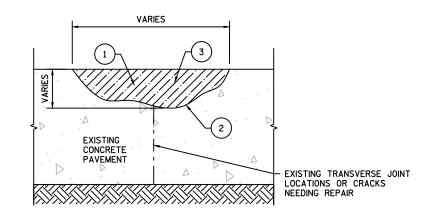
OVERLAP JOINT, BUTTED DETAIL SIDEROADS



REMOVING PAVEMENT BUTT JOINTS DEMING WAY (NORTH AND SOUTH)



PLAN VIEW



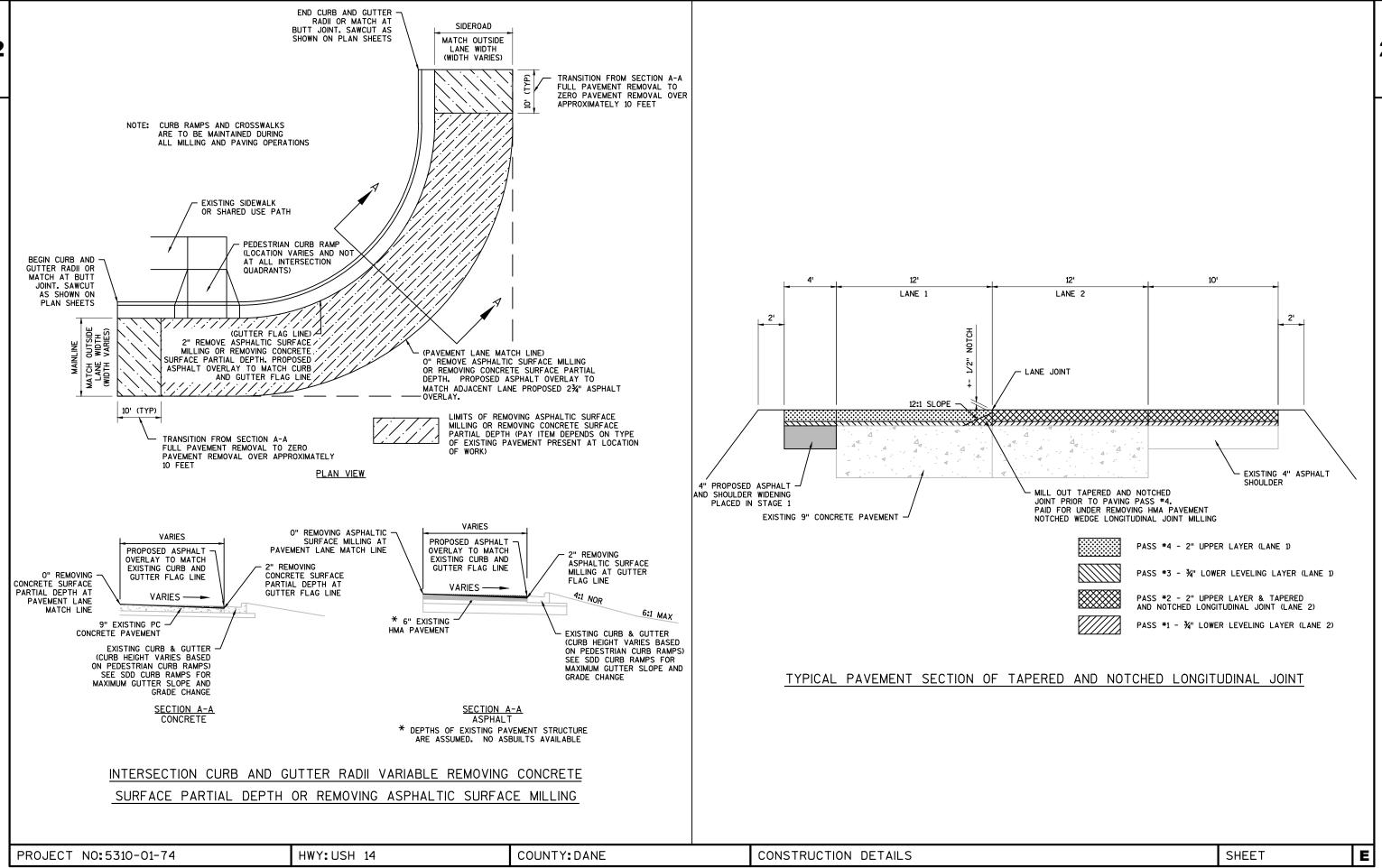
SECTION A-A

- 1 REMOVE ALL UNSOUND AND DETERIORATED MATERIAL.
- 2 BLOW OUT REPAIR AREAS WITH 80 PSI MINIMUM COMPRESSED AIR.
- 3 ASPHALTIC SURFACE WITH TACK COAT.

CONCRETE JOINT AND CRACK CLEANING AND REPAIR

PROJECT NO:5310-01-74 HWY:USH 14 COUNTY:DANE CONSTRUCTION DETAILS SHEET

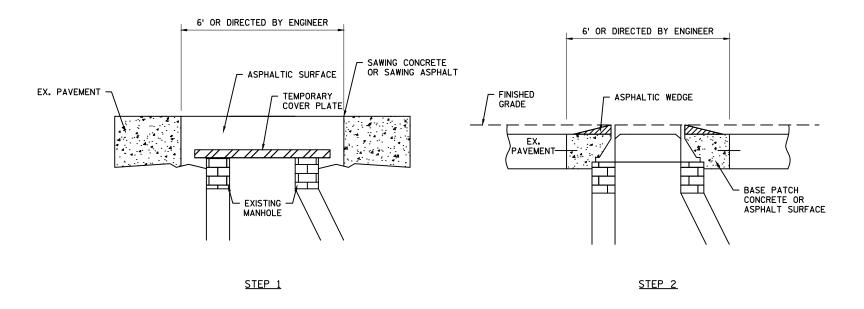
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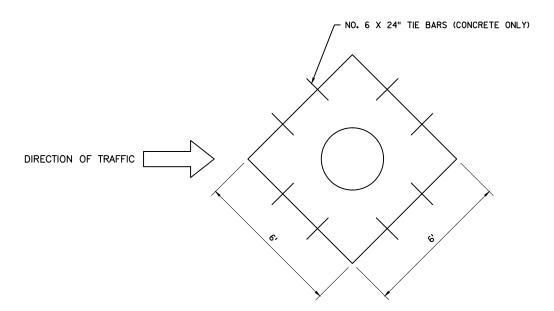


PLOT DATE : 10/29/2015 8:47 AM

PLOT BY : WATT, TIMOTHY

: PLOT SCALE : 1 IN:10 FT





ADJUSTING MANHOLE AND WATER VALVE COVERS

STEP

- A. REMOVE BY SAWING CONCRETE OR ASPHALT AROUND MANHOLE AND STORE MANHOLE COVER (NO SEPARATE PAYMENT WILL BE MADE FOR REMOVING EXISTING PAYEMENT) (*)
- B. FURNISH AND INSTALL TEMPORARY COVER PLATE (+)
- C. BACKFILL USING ASPHALTIC SURFACE (*)

STEP

- A. SAW ASPHALT PLACED IN STEP 1 (*)
- B. EXCAVATE AND REMOVE TEMPORARY COVER PLATE (+)
- C. ADJUST MANHOLE OR WATER VALVE AND REINSTALL MANHOLE COVER TO FINISHED GRADE (TO BE COMPLETED BY MIDDLETON WATER UTILITY) (+)
- D. INSTALL BASE PATCH CONCRETE OR ASPHALTIC SURFACE TO TOP OF EXISTING PAVEMENT (*)
- E. IF RIM ARE TO BE EXPOSED TO TRAFFIC PRIOR TO PAVING UPPER LAYER INSTALL ASPHALTIC SURFACE WEDGE AROUND RIM (*)
- F. MILL ASPHALT WEDGE PRIOR TO PAVING UPPER LAYER (+)

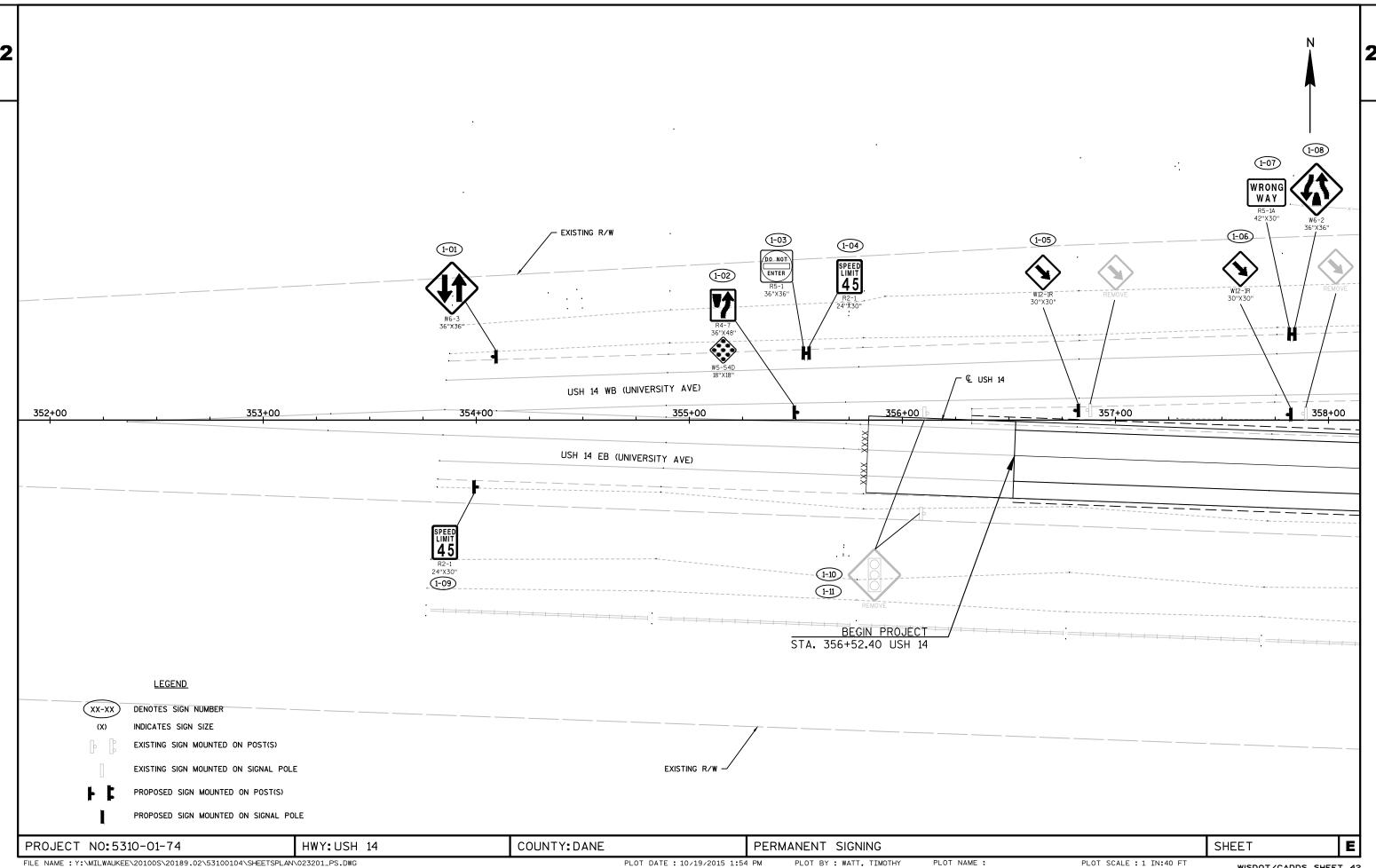
UTILITY CO. MANHOLES

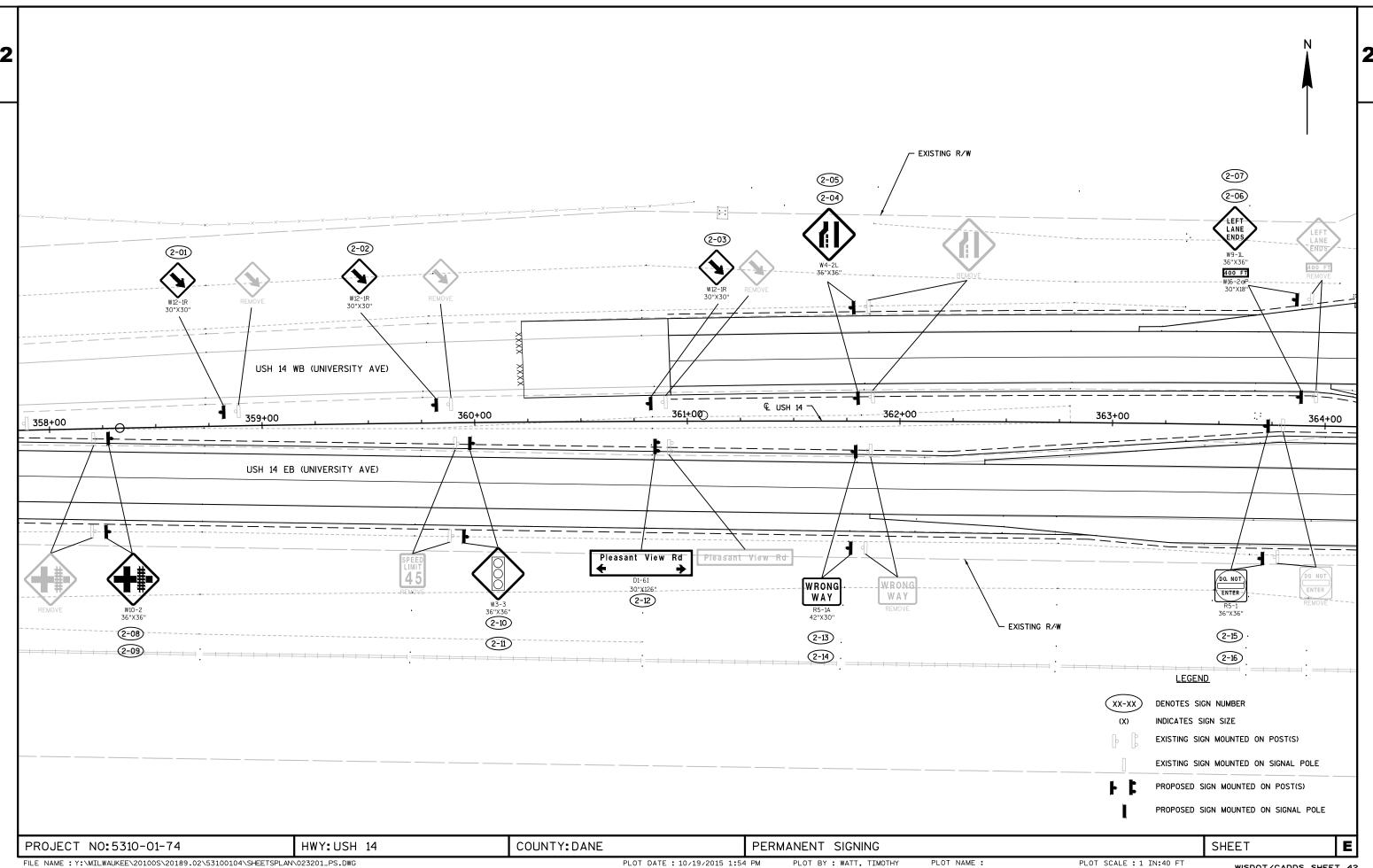
1C AND 2D-F BY CONTRACTOR IN COORDINATION WITH WORK BY UTILITY CO. (TO BE PAID FOR UNDER CONTRACTOR ITEMS)

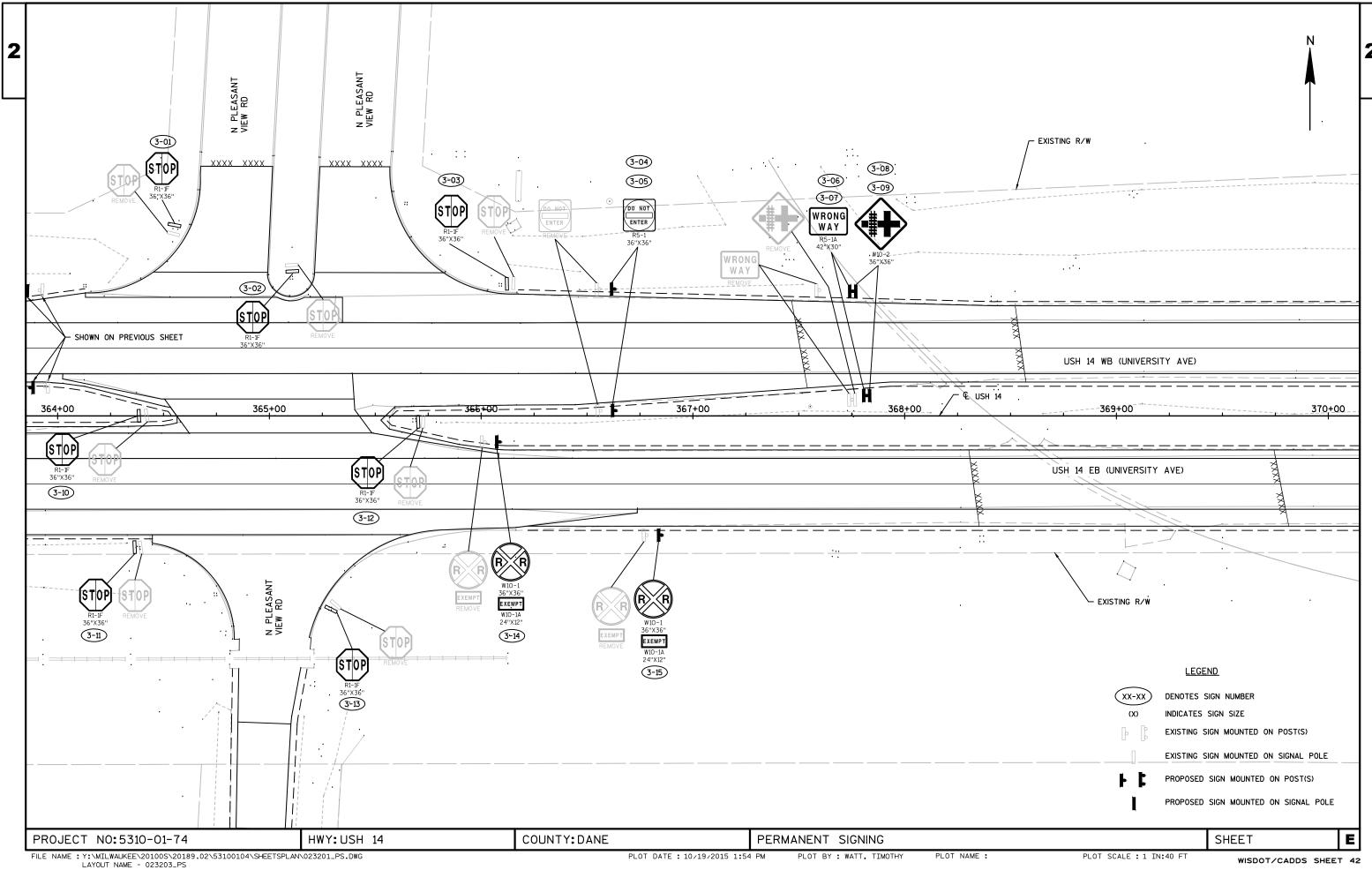
- * TO BE PAID FOR UNDER OTHER CONTRACT ITEMS
- + PAID UNDER ADJUSTING MANHOLE COVERS

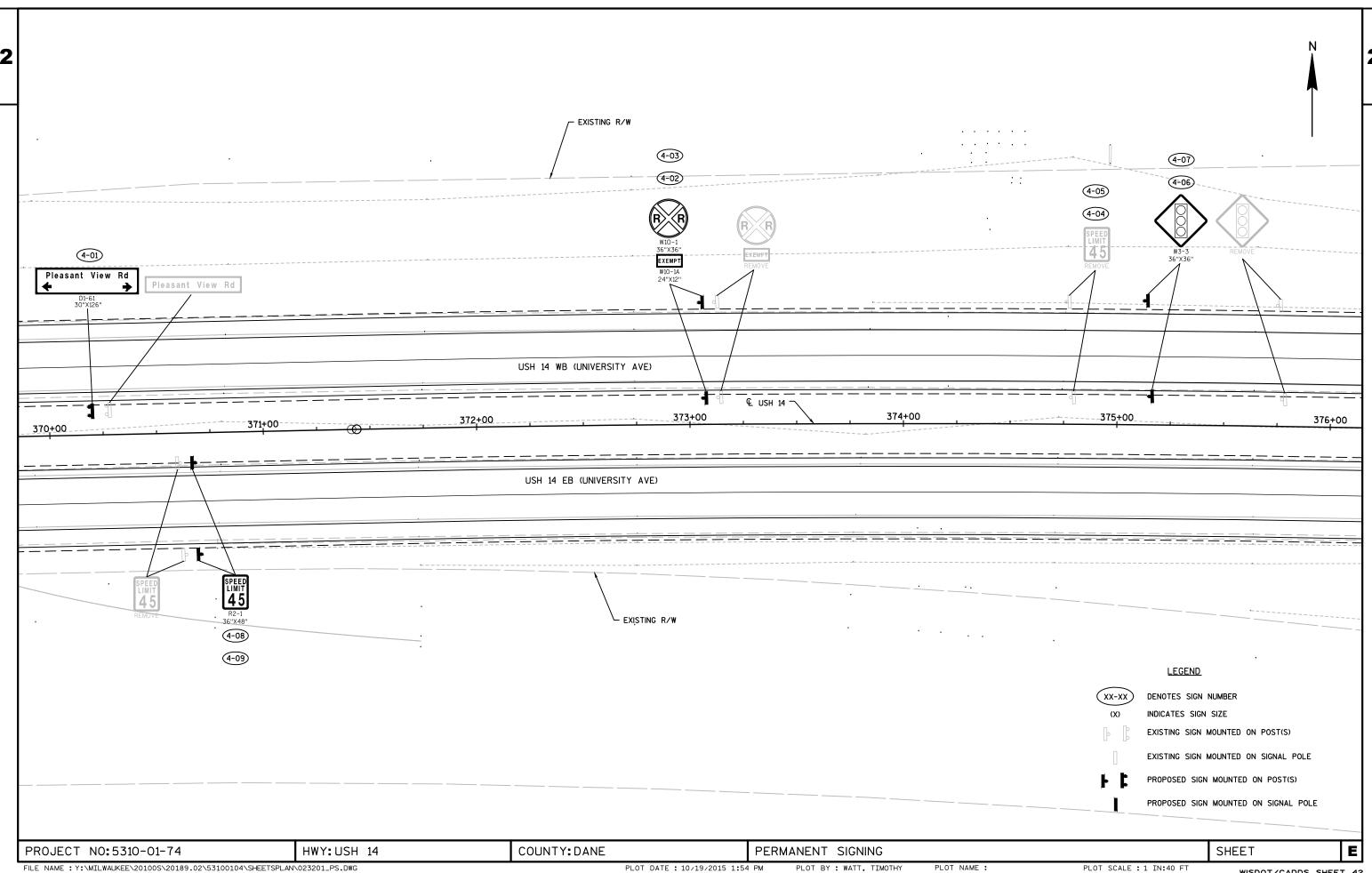
NOTE: SANITARY MANHOLES WILL BE COMPLETED IN ONE DAY. TEMPORARY COVER PLATES WILL NOT BE REQUIRED.

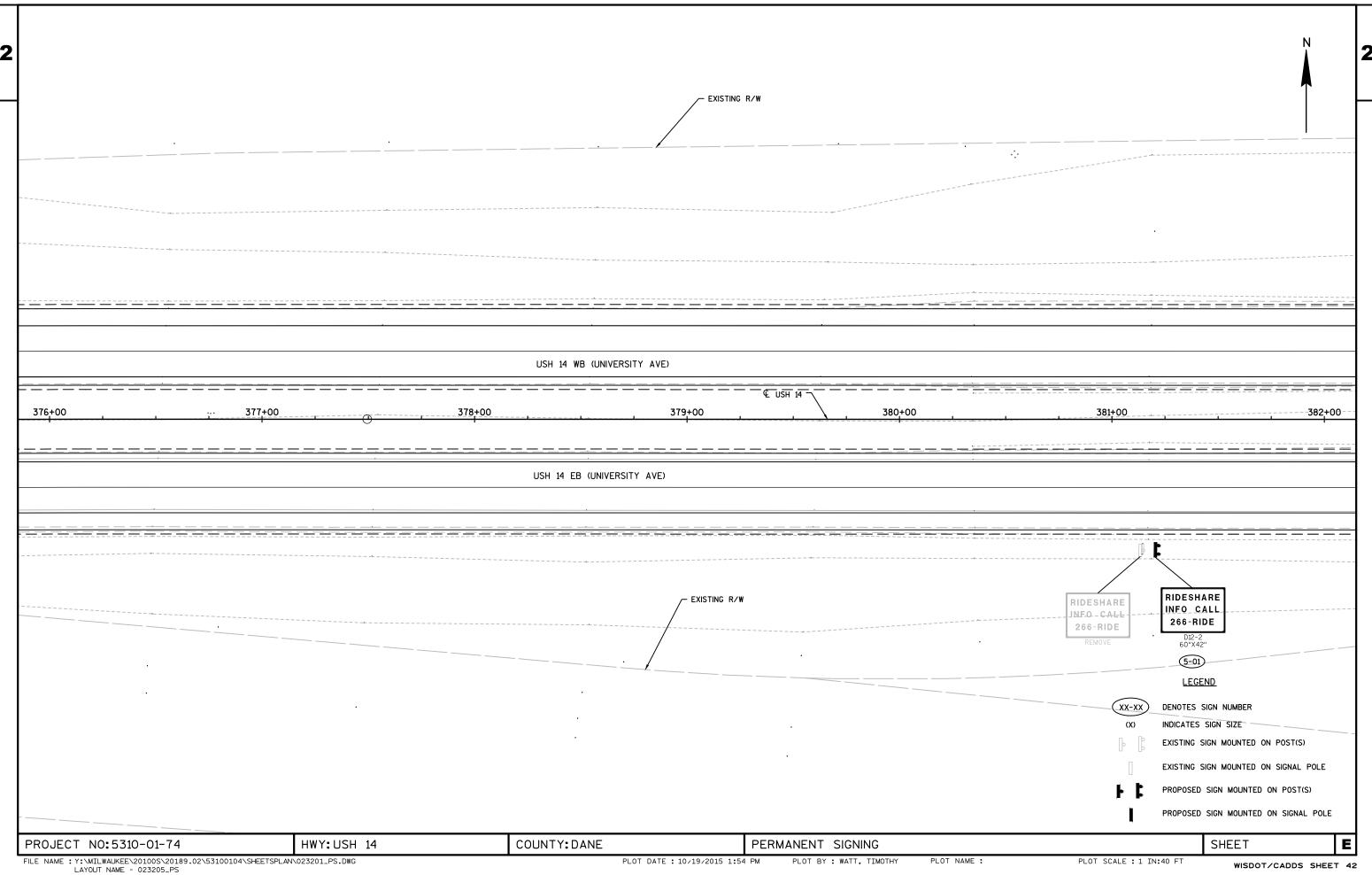
PROJECT NO:5310-01-74 HWY:USH 14 COUNTY:DANE CONSTRUCTION DETAILS SHEET **E**

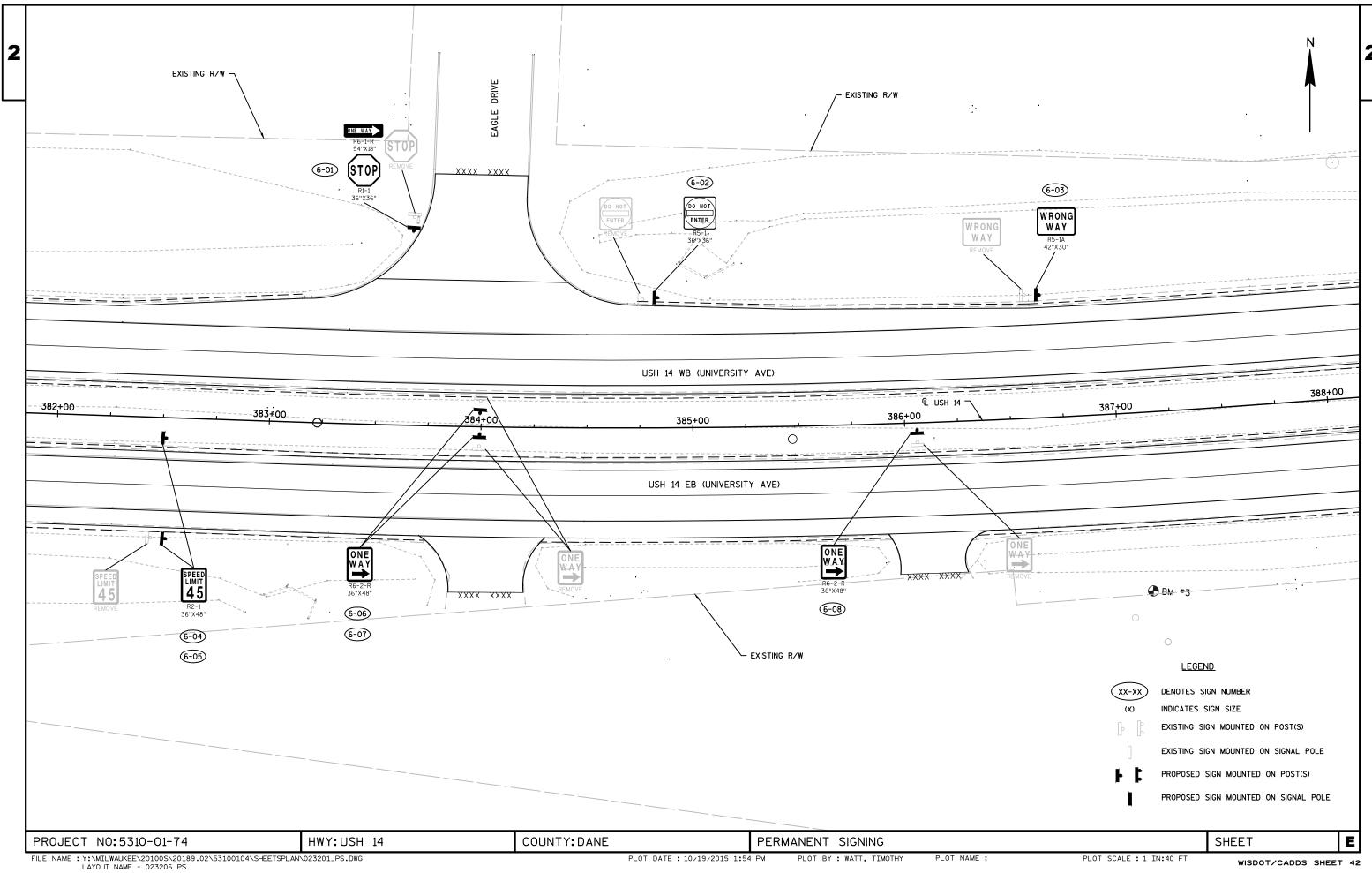


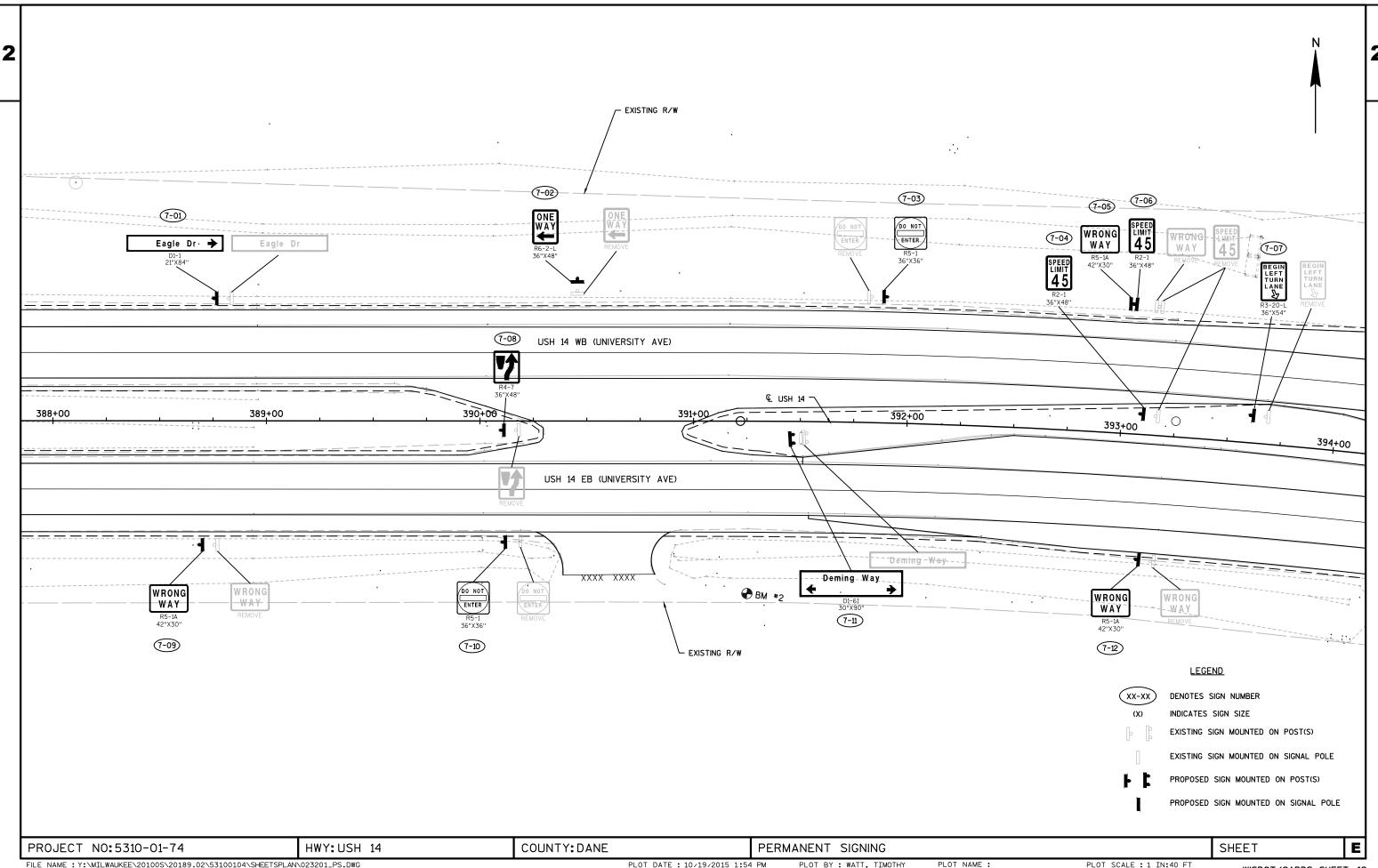


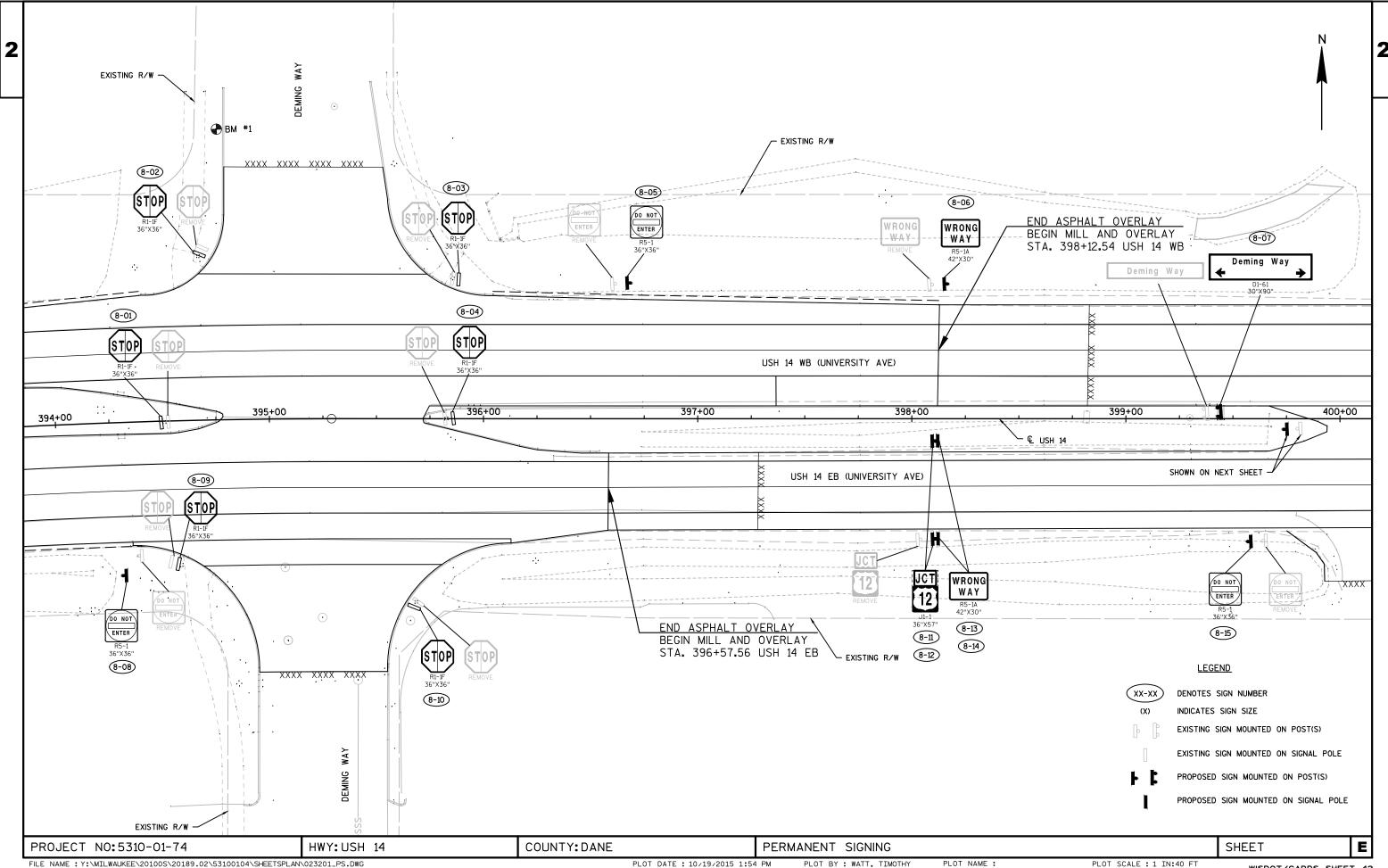


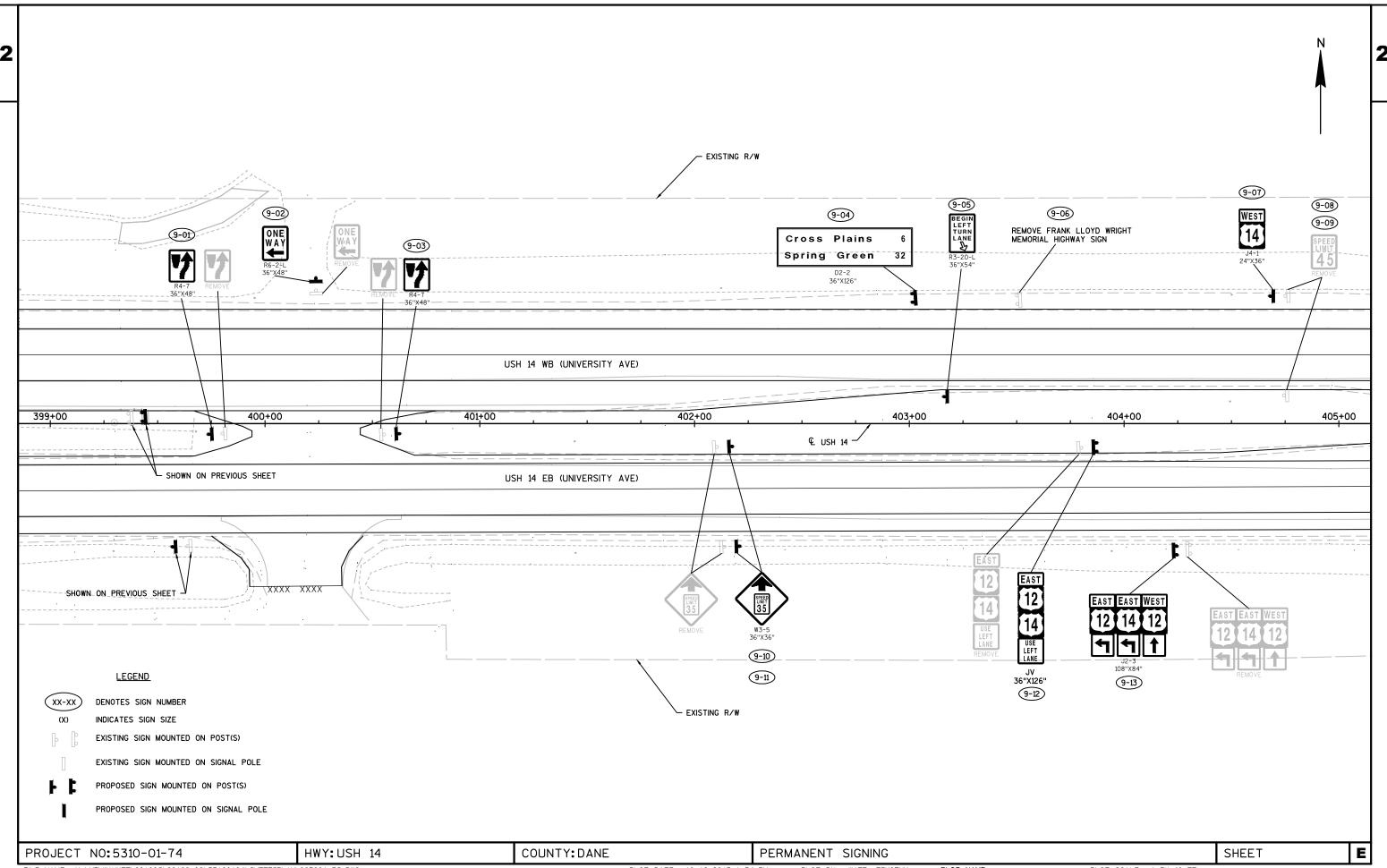


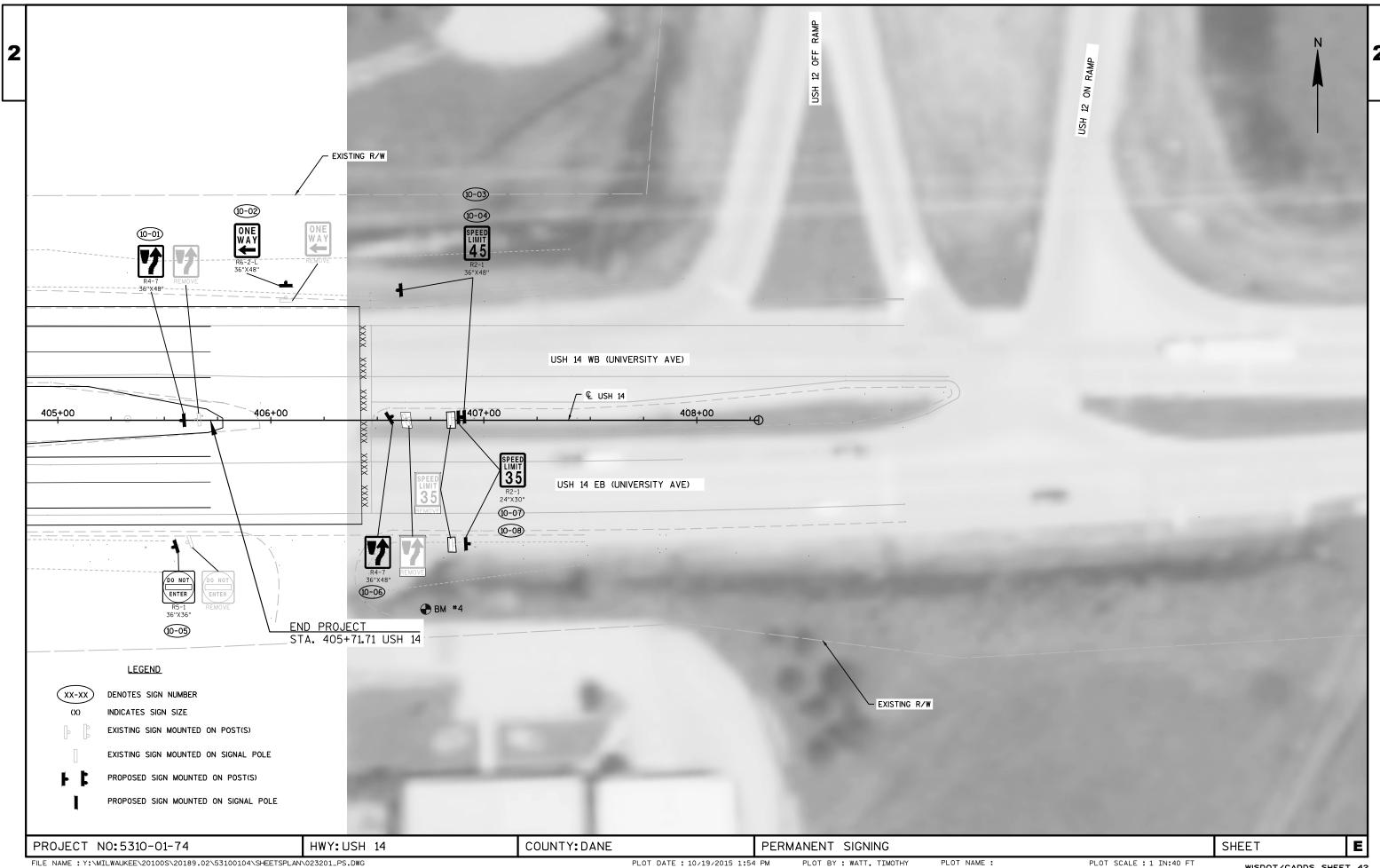


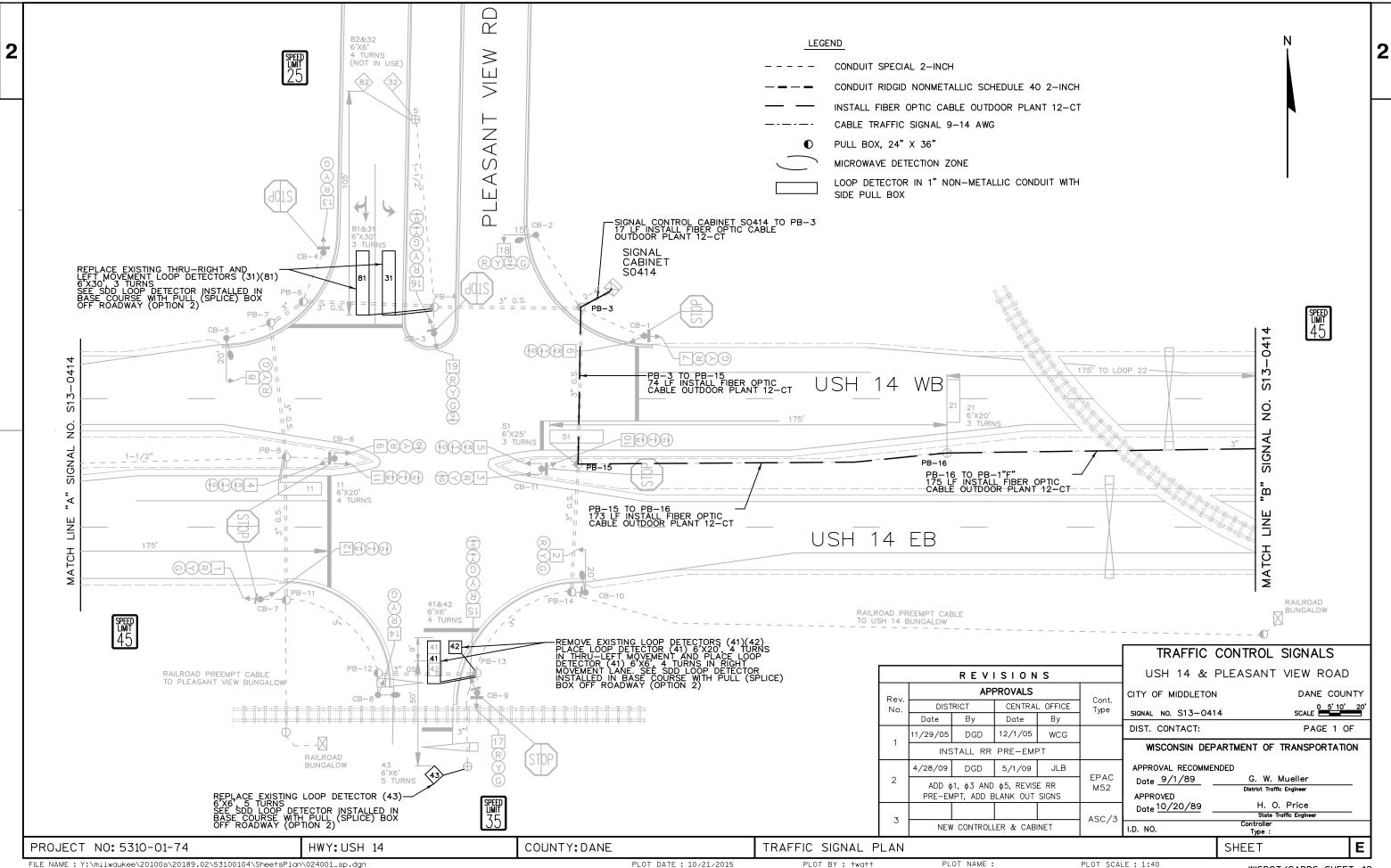


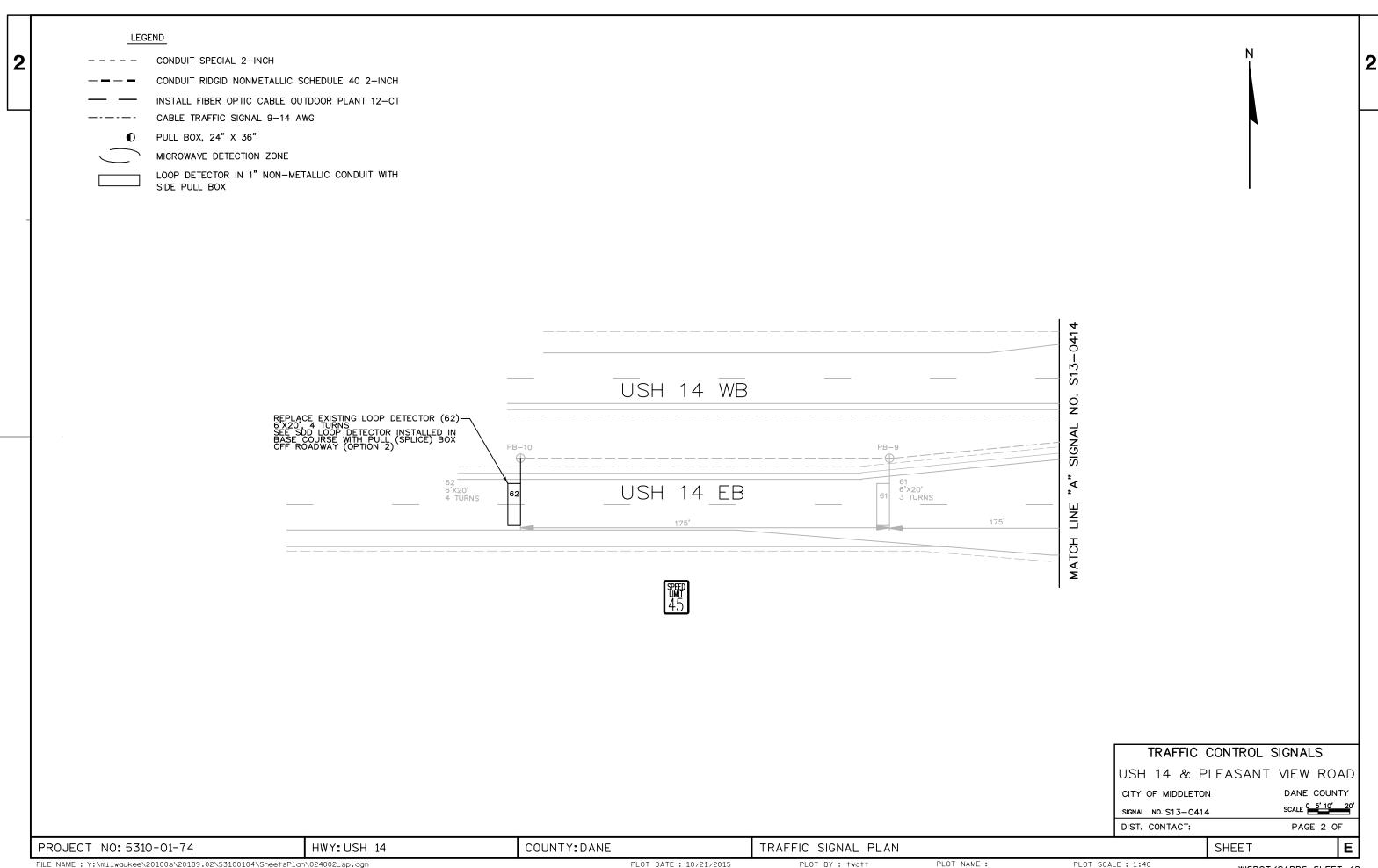


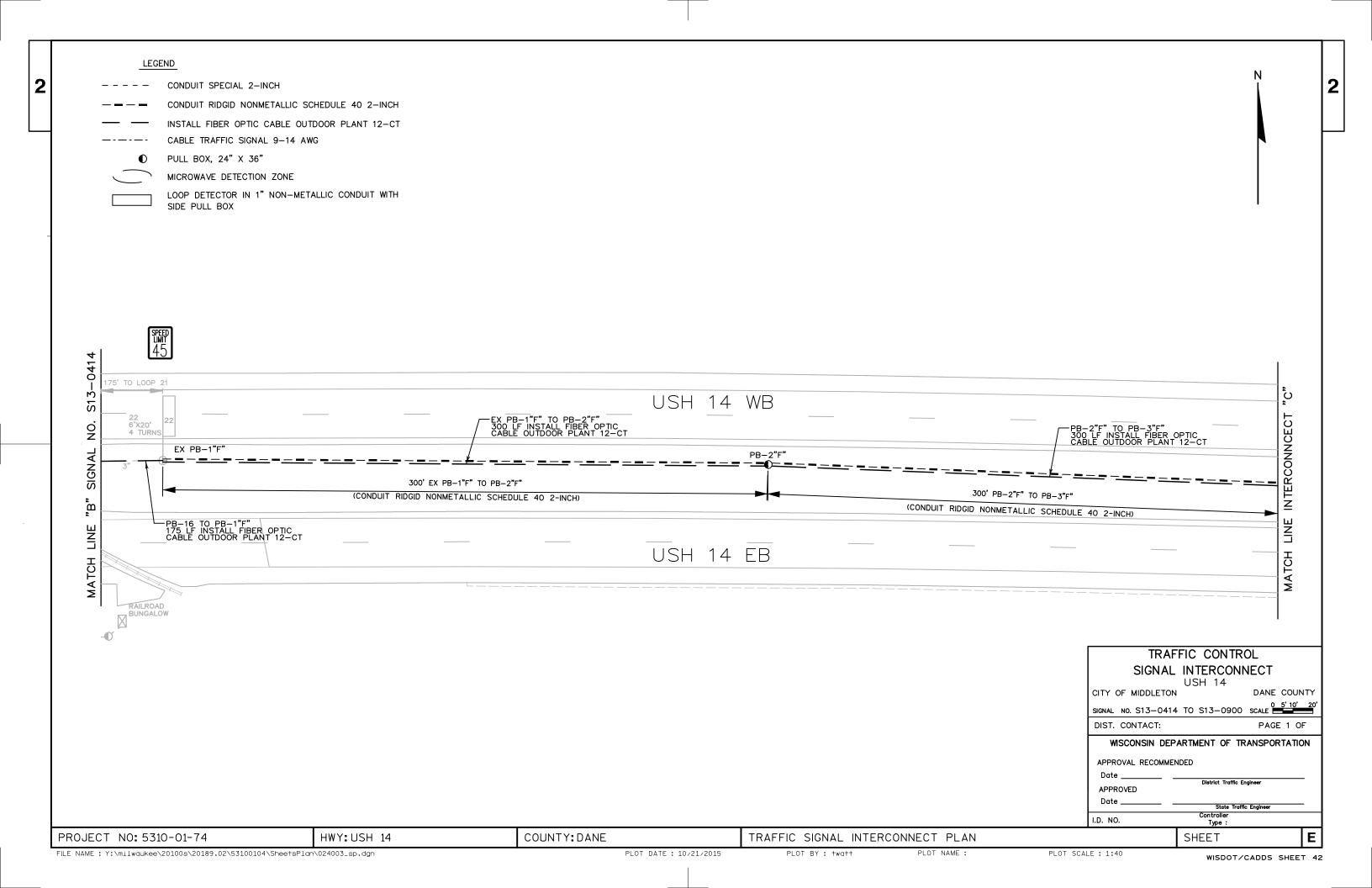


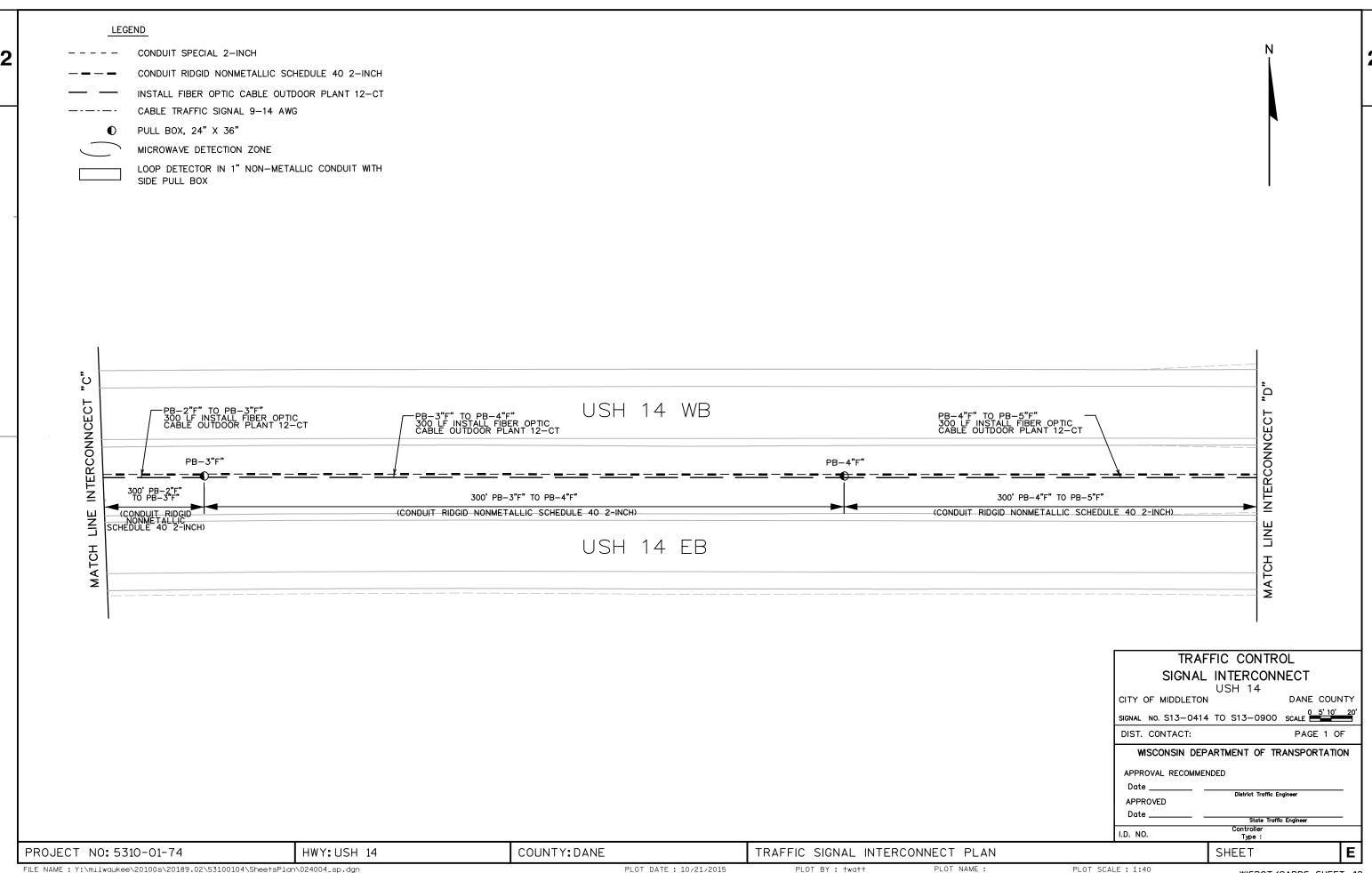


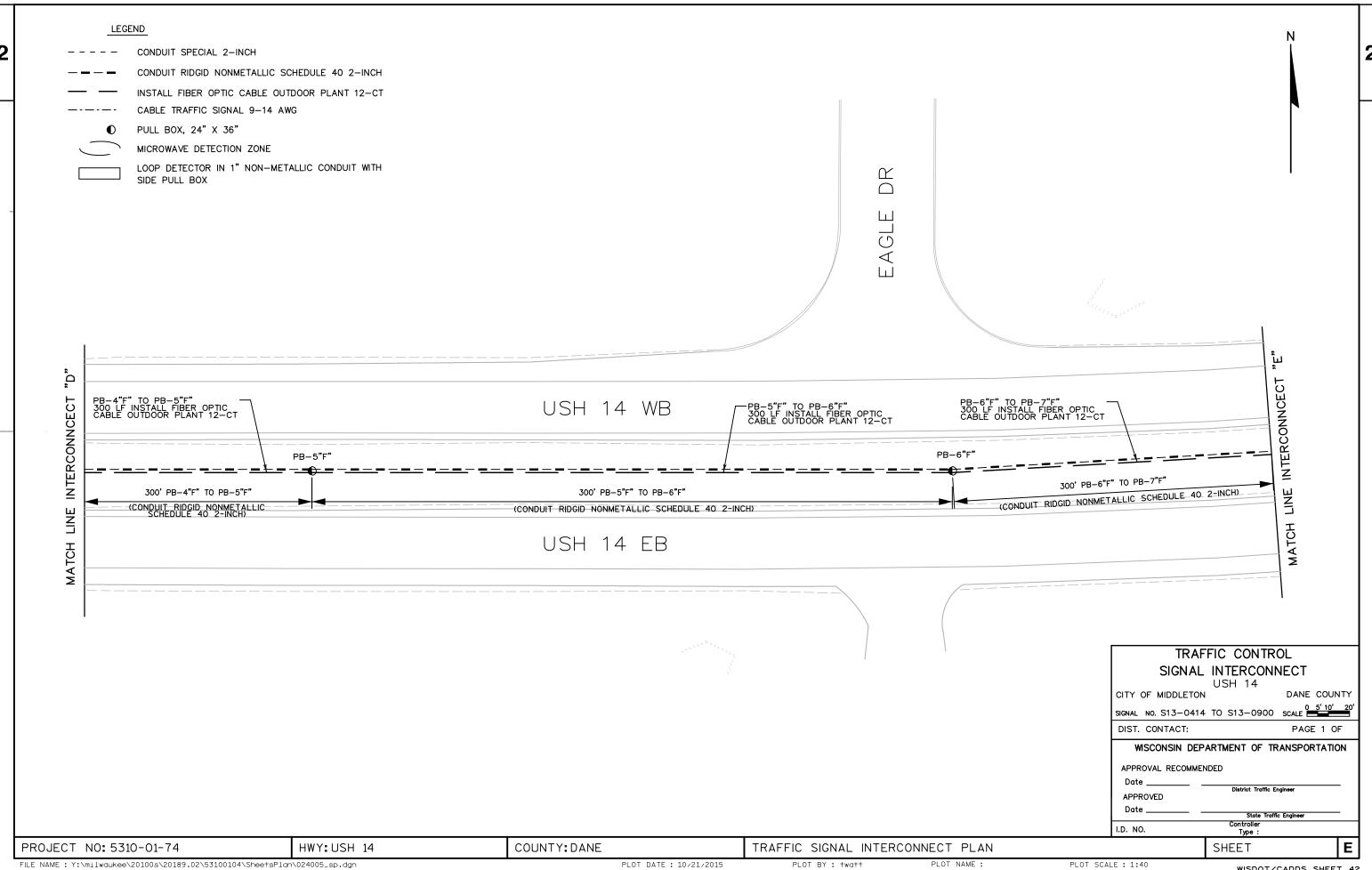


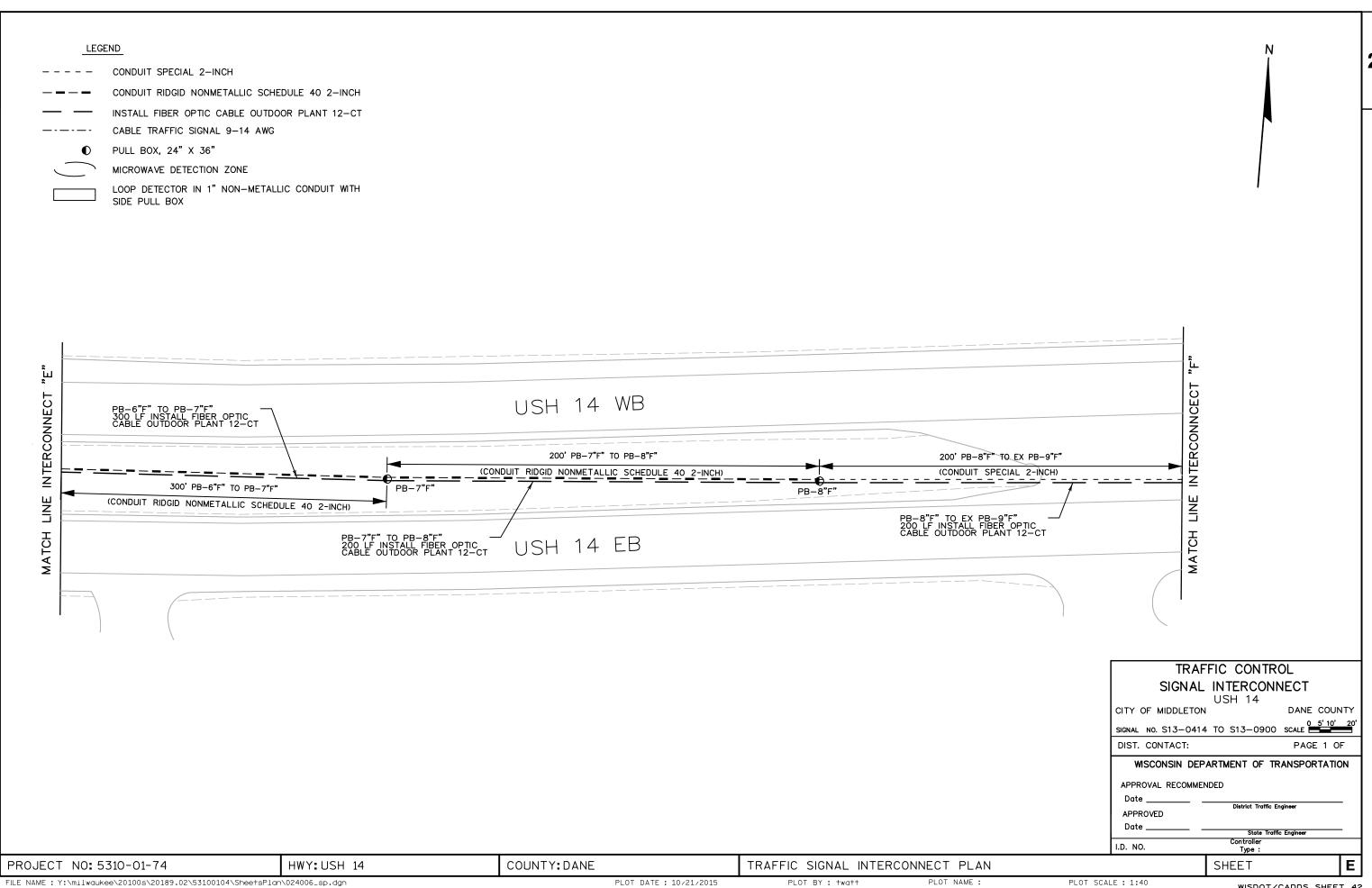


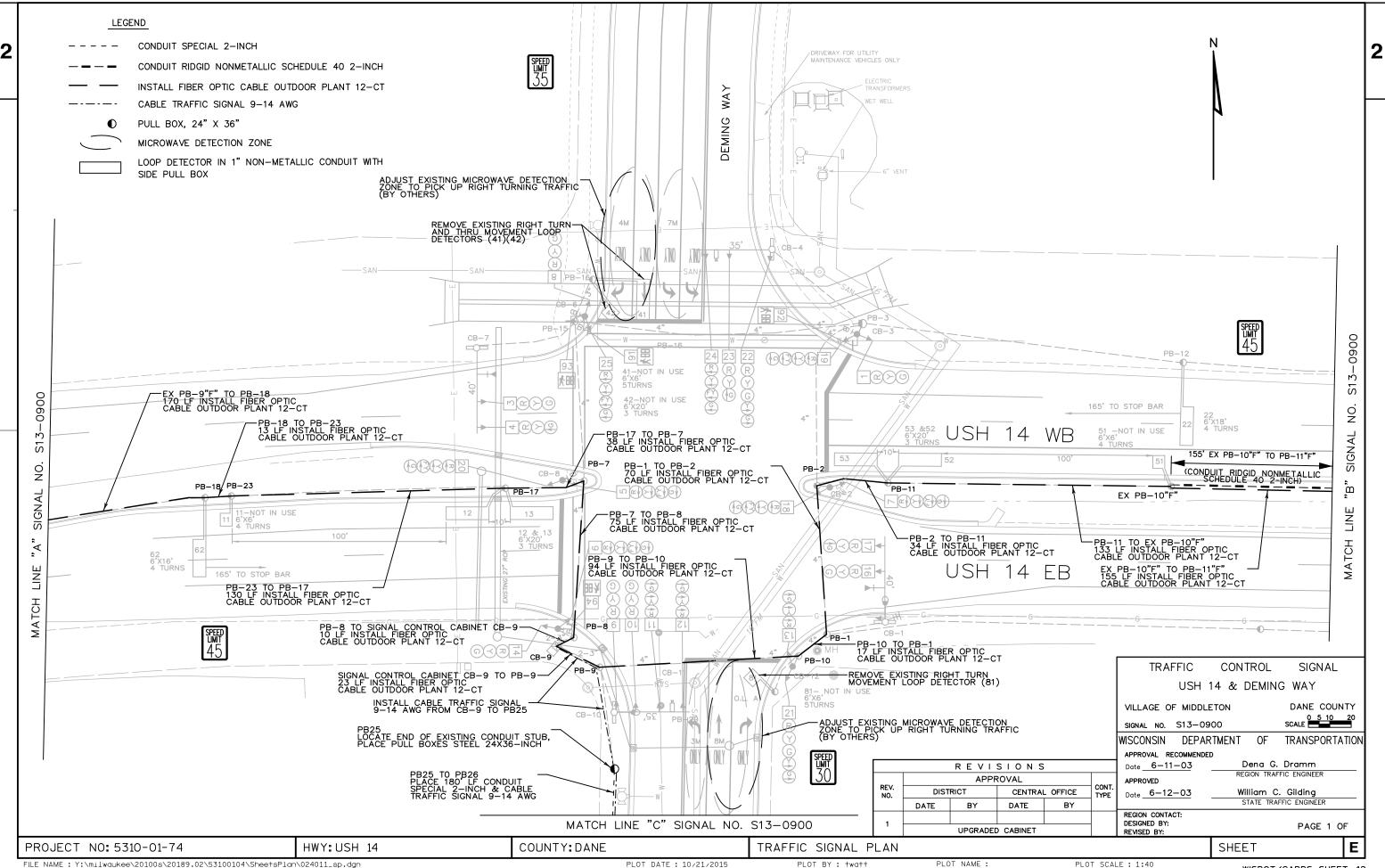






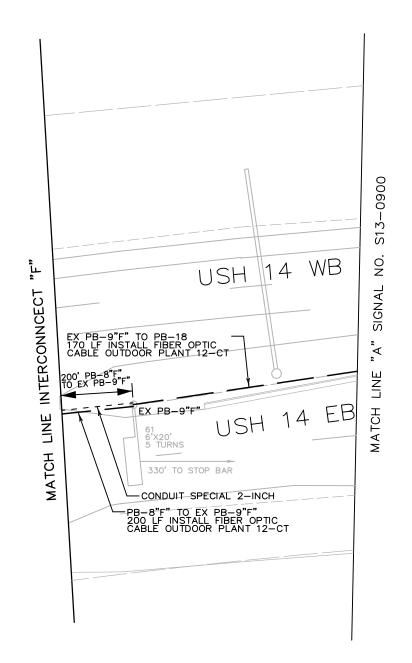








LEGEND CONDUIT SPECIAL 2-INCH CONDUIT RIDGID NONMETALLIC SCHEDULE 40 2-INCH INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 12-CT CABLE TRAFFIC SIGNAL 9-14 AWG PULL BOX, 24" X 36" MICROWAVE DETECTION ZONE LOOP DETECTOR IN 1" NON-METALLIC CONDUIT WITH SIDE PULL BOX



HWY: USH 14

PB-13 "g 330' TO STOP BAR INTERCONNCECT USH 14 WB " B 155' EX PB-10"F" TO PB-11"F" (CONDUIT RIDGID NONMETALLIC SCHEDULE 40 2-INCH) LINE 300' PB-11"F" TO PB-12"F" MATCH (CONDUIT SPECIAL 2-INCH) MATCH USH 14 EB TRAFFIC CONTROL SIGNAL USH 14 & DEMING WAY VILLAGE OF MIDDLETON DANE COUNTY SIGNAL NO. S13-0900 Ε

FILE NAME: Y:\milwaukee\20100s\20189.02\53100104\SheetsPlan\024012_sp.dgn

PROJECT NO: 5310-01-74

PLOT DATE: 10/21/2015

COUNTY: DANE

PLOT BY: twatt PLOT NAME :

TRAFFIC SIGNAL PLAN

PLOT SCALE: 1:40

WISDOT/CADDS SHEET 42

SHEET



LEAVE EXCESS CABLE TRAFFIC — SIGNAL 9—14 AWG REQUIRED TO REACH EXISTING RAILROAD BUNGALOW SPOOLED IN PB27. COORDINATE WITH RAILROAD TO RUN CONDUIT FROM PB27 TO EXISTING RAILROAD BUNGALOW AND CONNECT CABLE TRAFFIC SIGNAL 9—14 AWG. (APPROXIMATELY 20 LF) RAILROAD BUNGALOW PB27 – PLACE PULL BOXES STEEL 24X36-INCH B26 TO PB27 LACE 225 LF CONDUIT PECIAL 2-INCH & CABLE RAFFIC SIGNAL 9-14 AWG S13-SIGNAL DEMING WAY LINE MATCH 30 30

CONDUIT SPECIAL 2-INCH CONDUIT RIDGID NONMETALLIC SCHEDULE 40 2-INCH INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 12-CT CABLE TRAFFIC SIGNAL 9-14 AWG PULL BOX, 24" X 36" MICROWAVE DETECTION ZONE LOOP DETECTOR IN 1" NON-METALLIC CONDUIT WITH SIDE PULL BOX

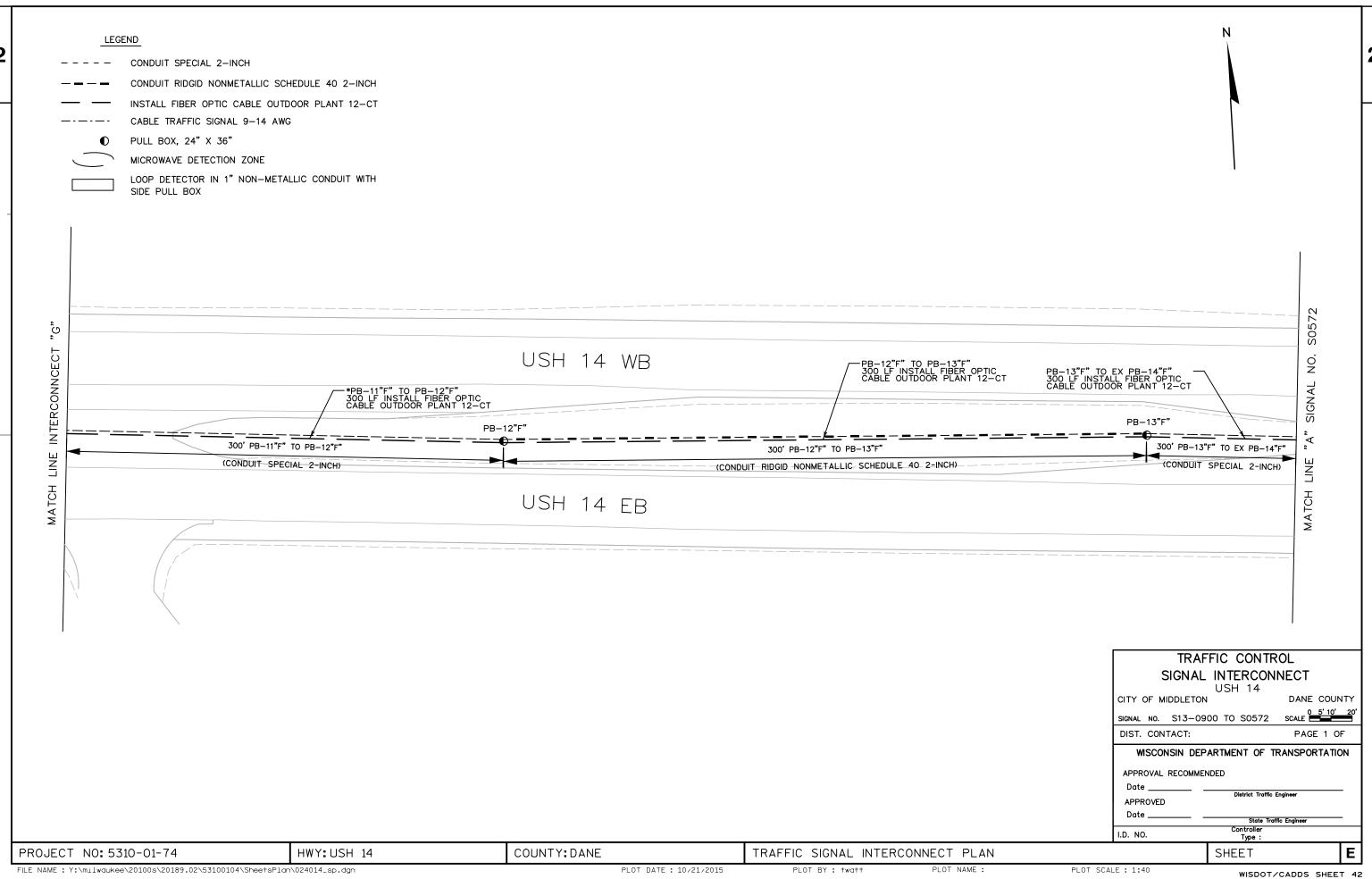
LEGEND

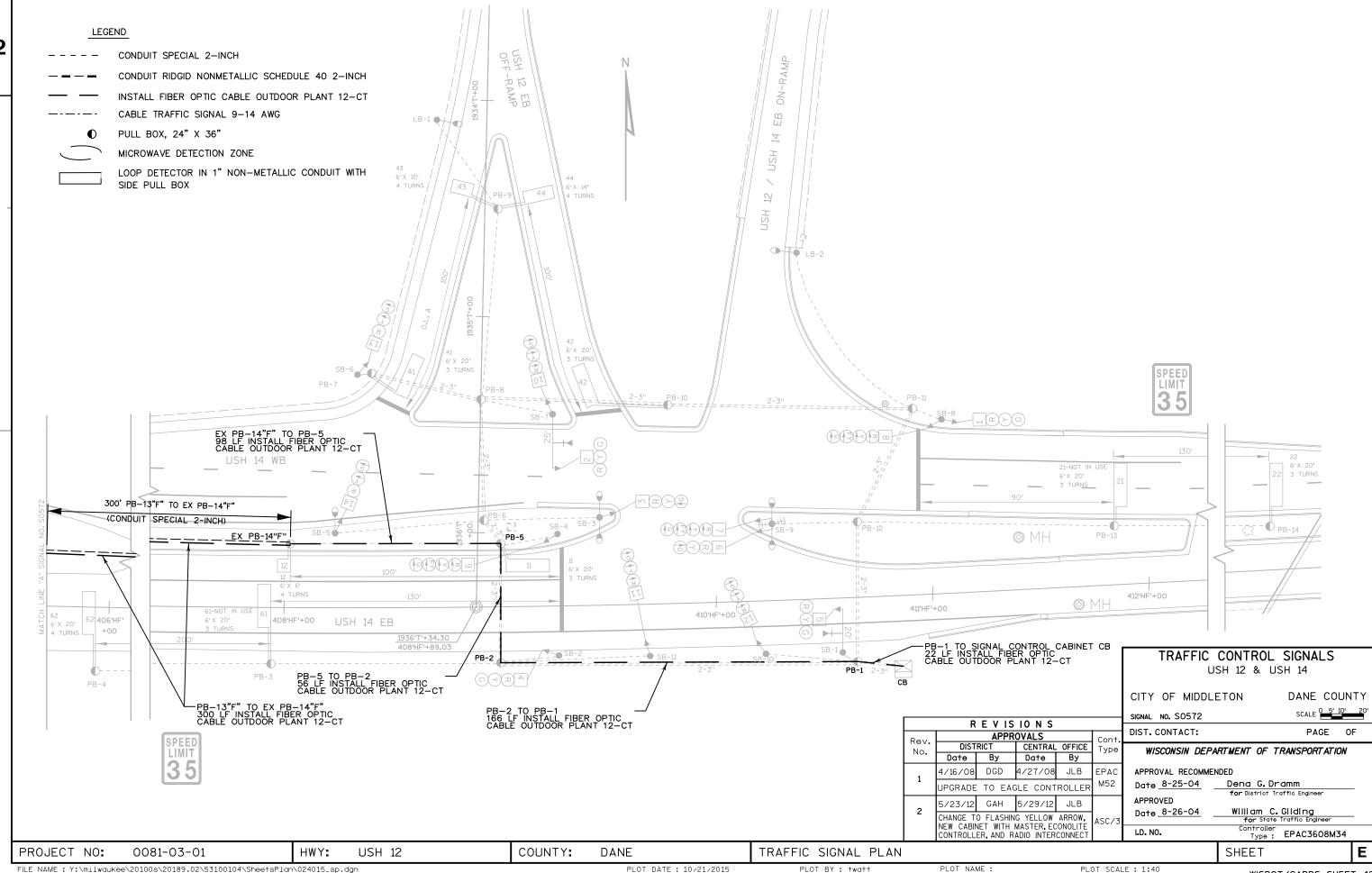
TRAFFIC CONTROL SIGNAL USH 14 & DEMING WAY VILLAGE OF MIDDLETON DANE COUNTY 0 5 10 20 SCALE SIGNAL NO. S13-0900

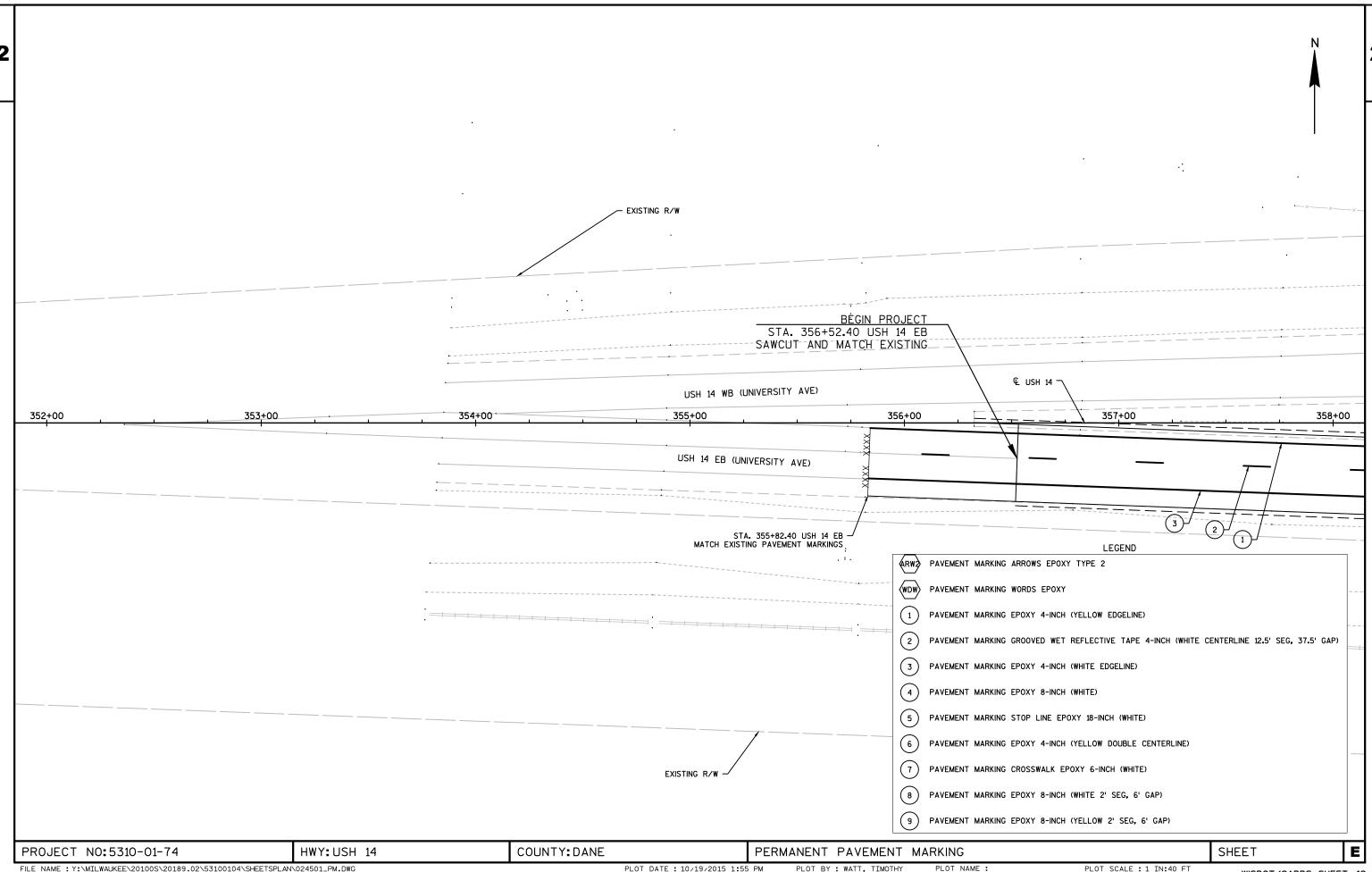
WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVAL RECOMMENDED

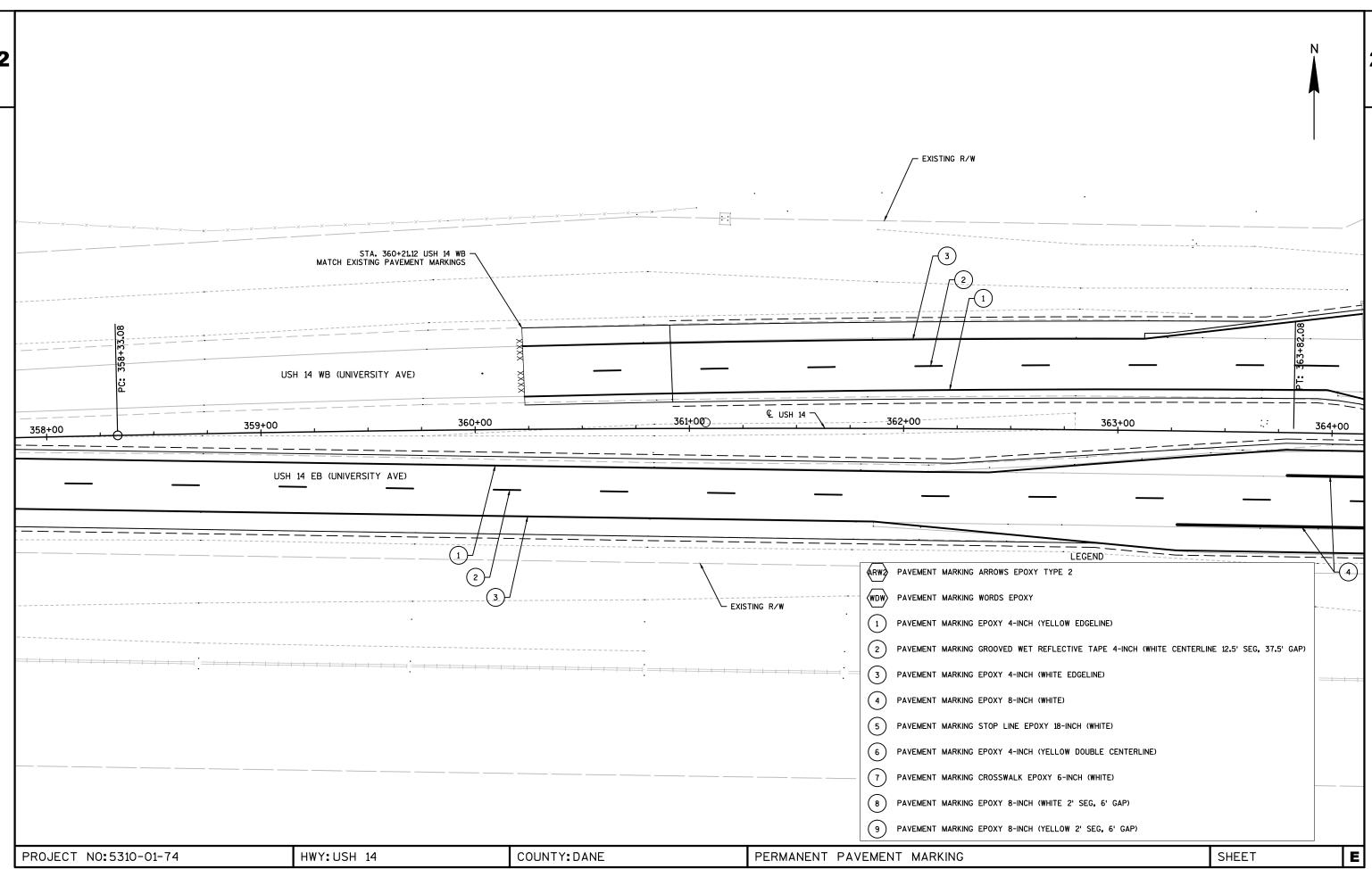
Dena G. Dramm
REGION TRAFFIC ENGINEER Date 6-11-03 REVISIONS APPROVAL APPROVED REV. NO. CONT. William C. Gilding
STATE TRAFFIC ENGINEER DISTRICT CENTRAL OFFICE Date 6-12-03 DATE BY DATE REGION CONTACT: DESIGNED BY: PAGE 1 OF UPGRADED CABINET

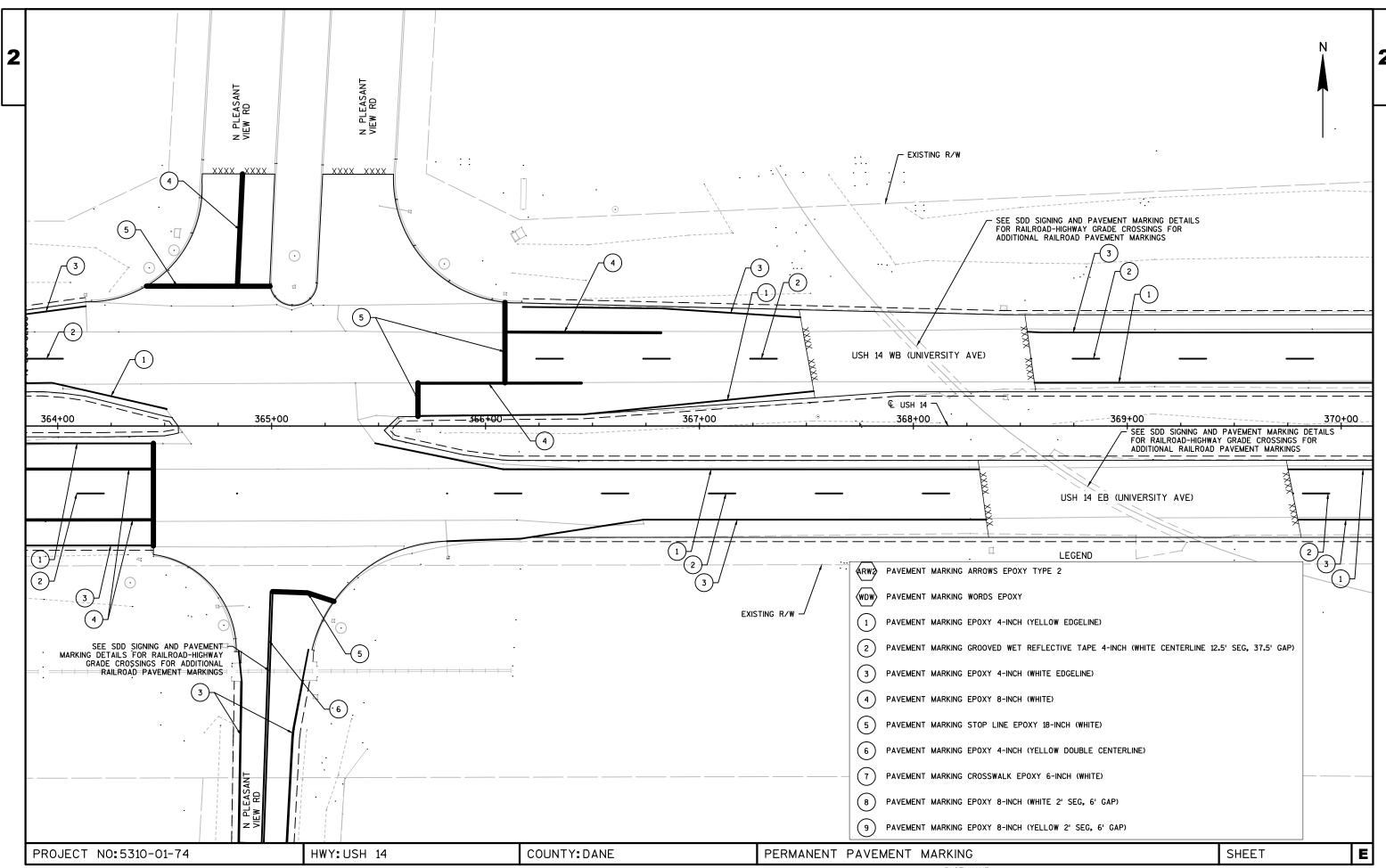
REVISED BY: PROJECT NO: 5310-01-74 HWY: USH 14 COUNTY: DANE TRAFFIC SIGNAL PLAN SHEET Ε PLOT BY: twatt PLOT NAME :

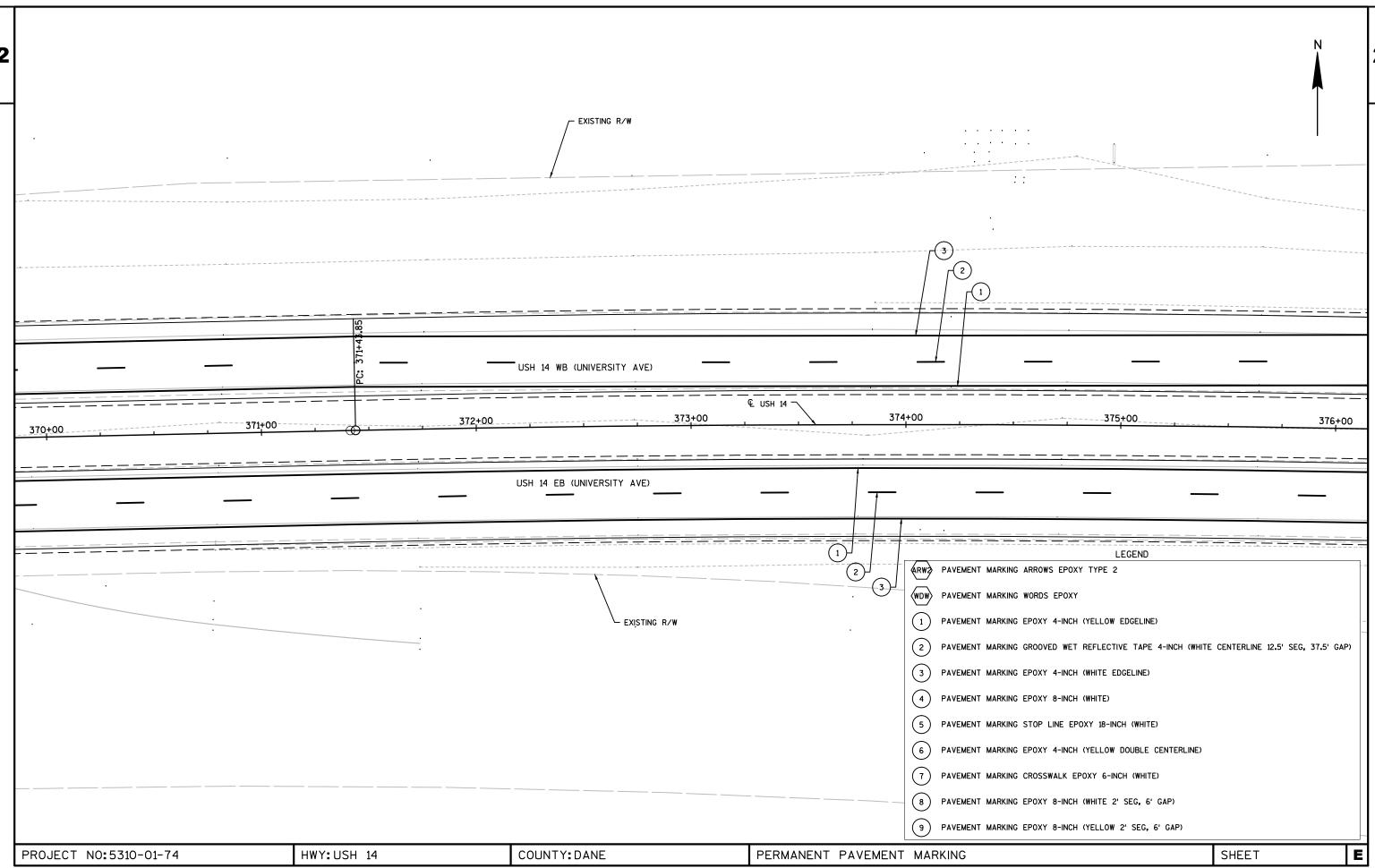


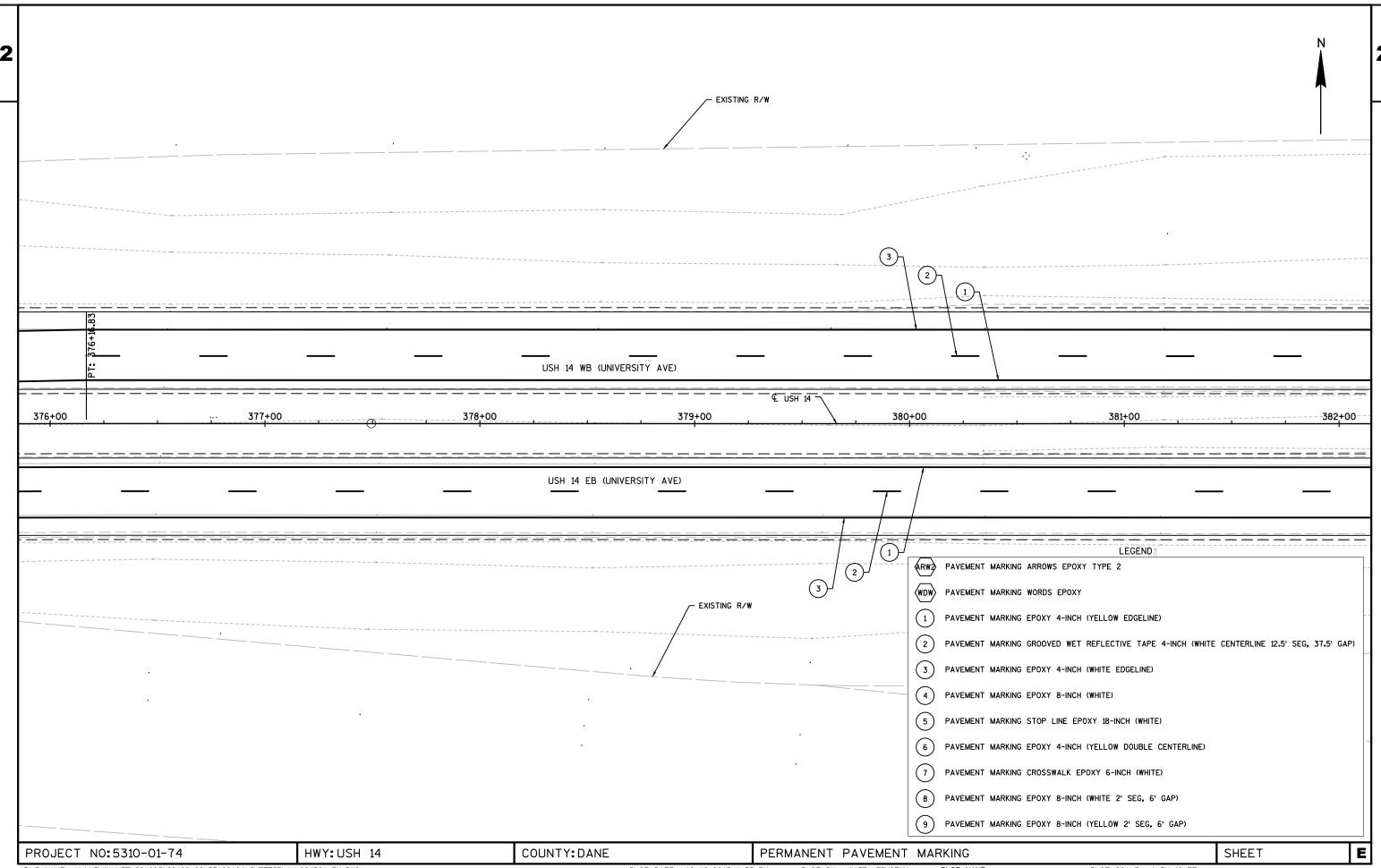


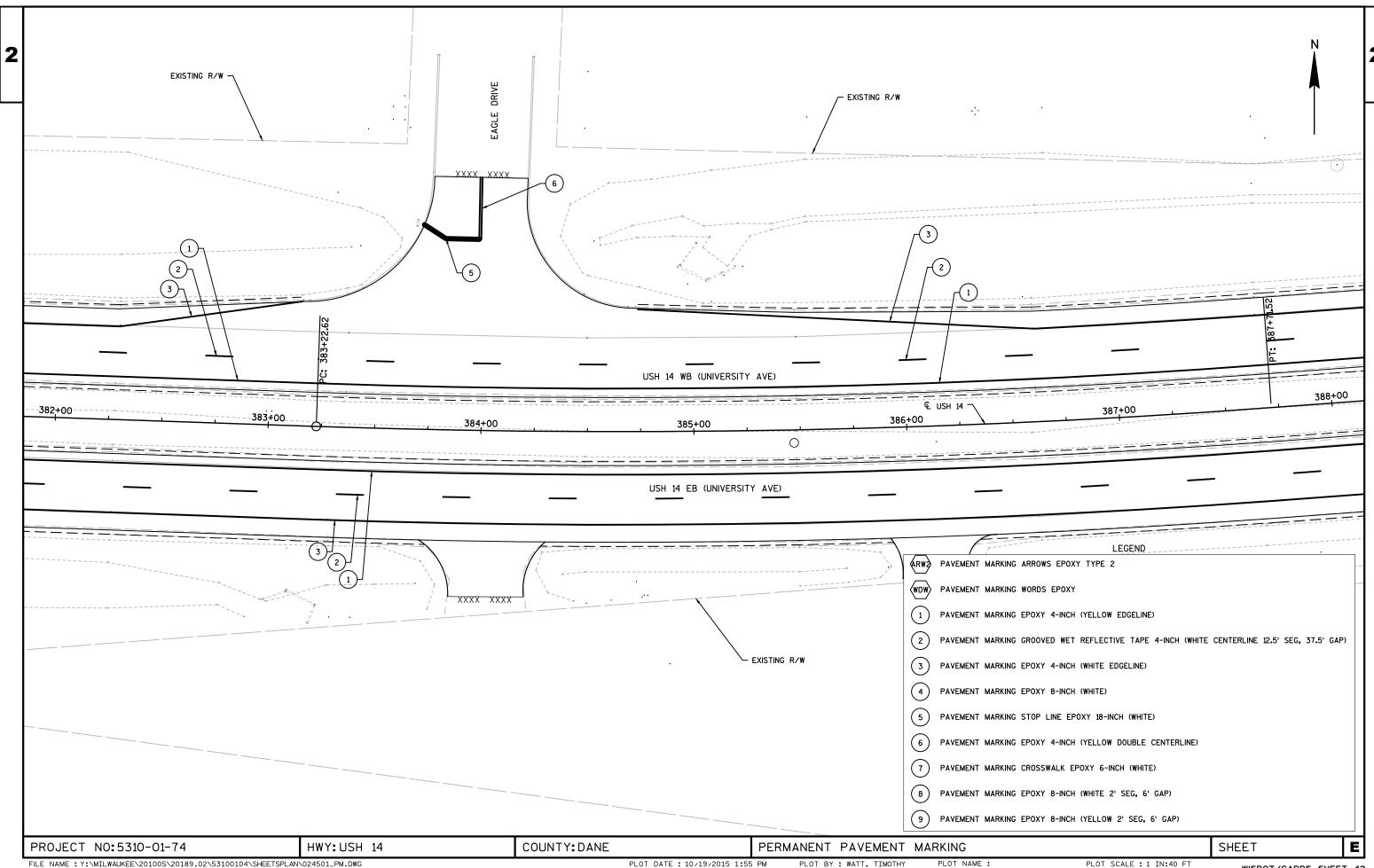


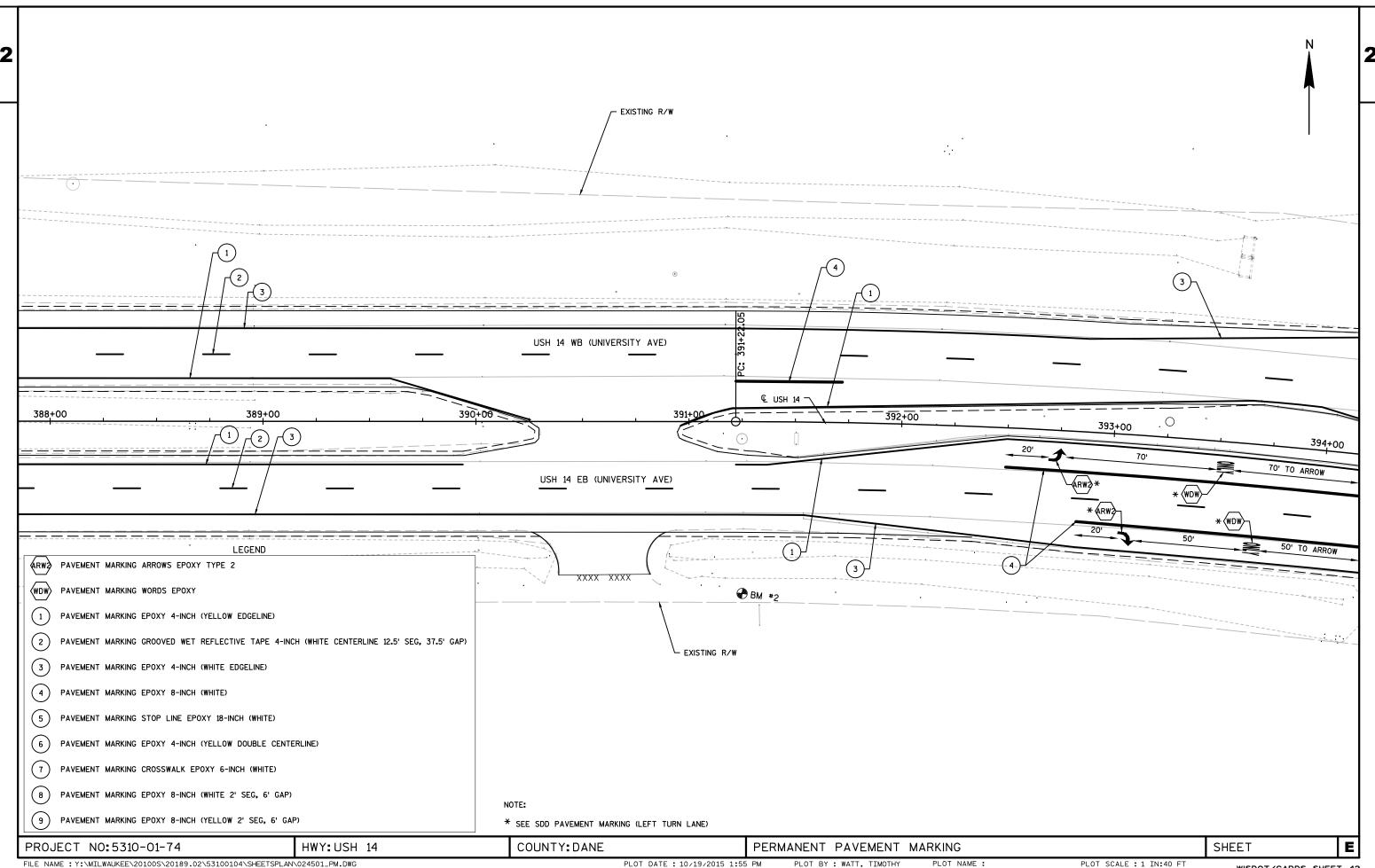


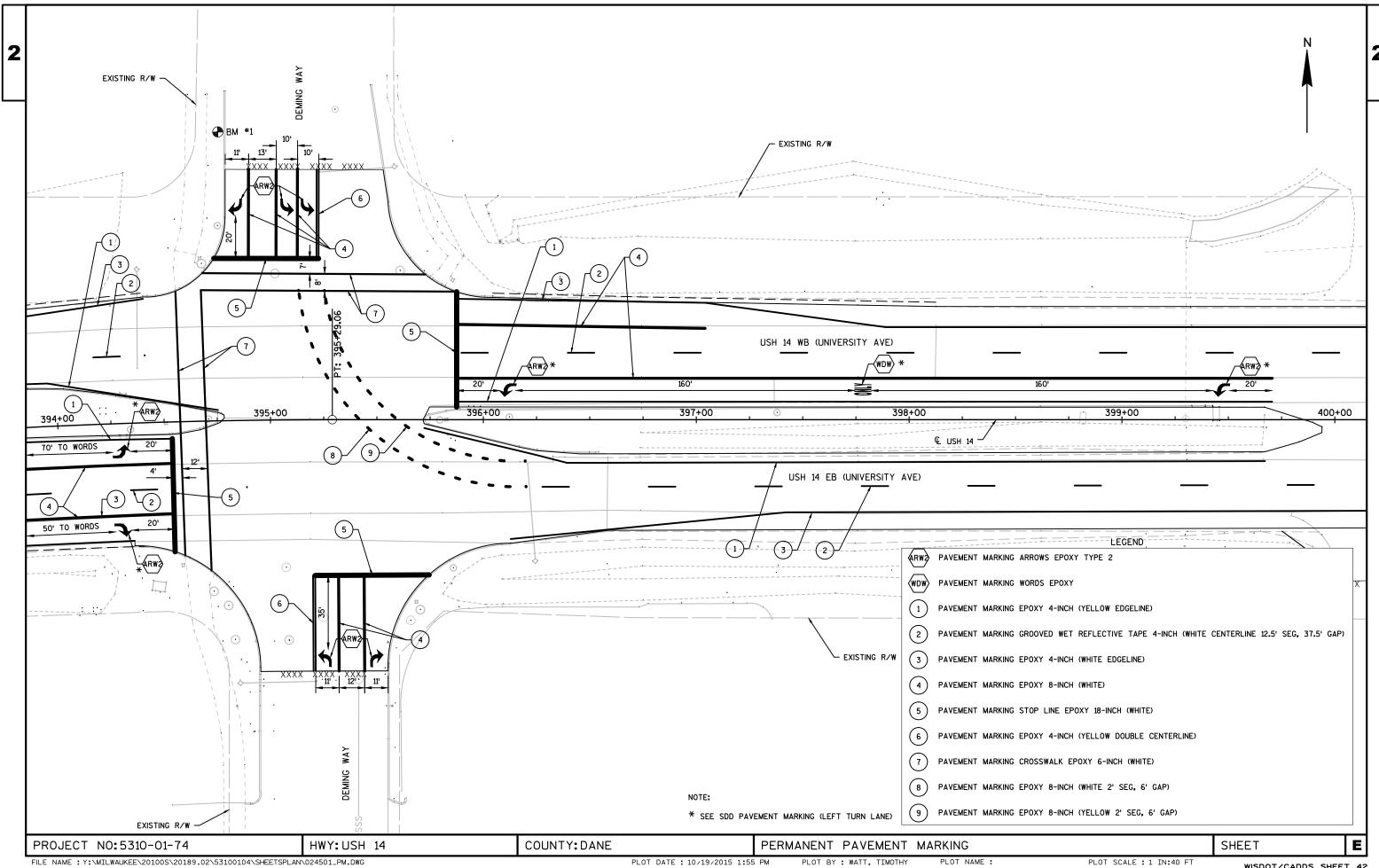


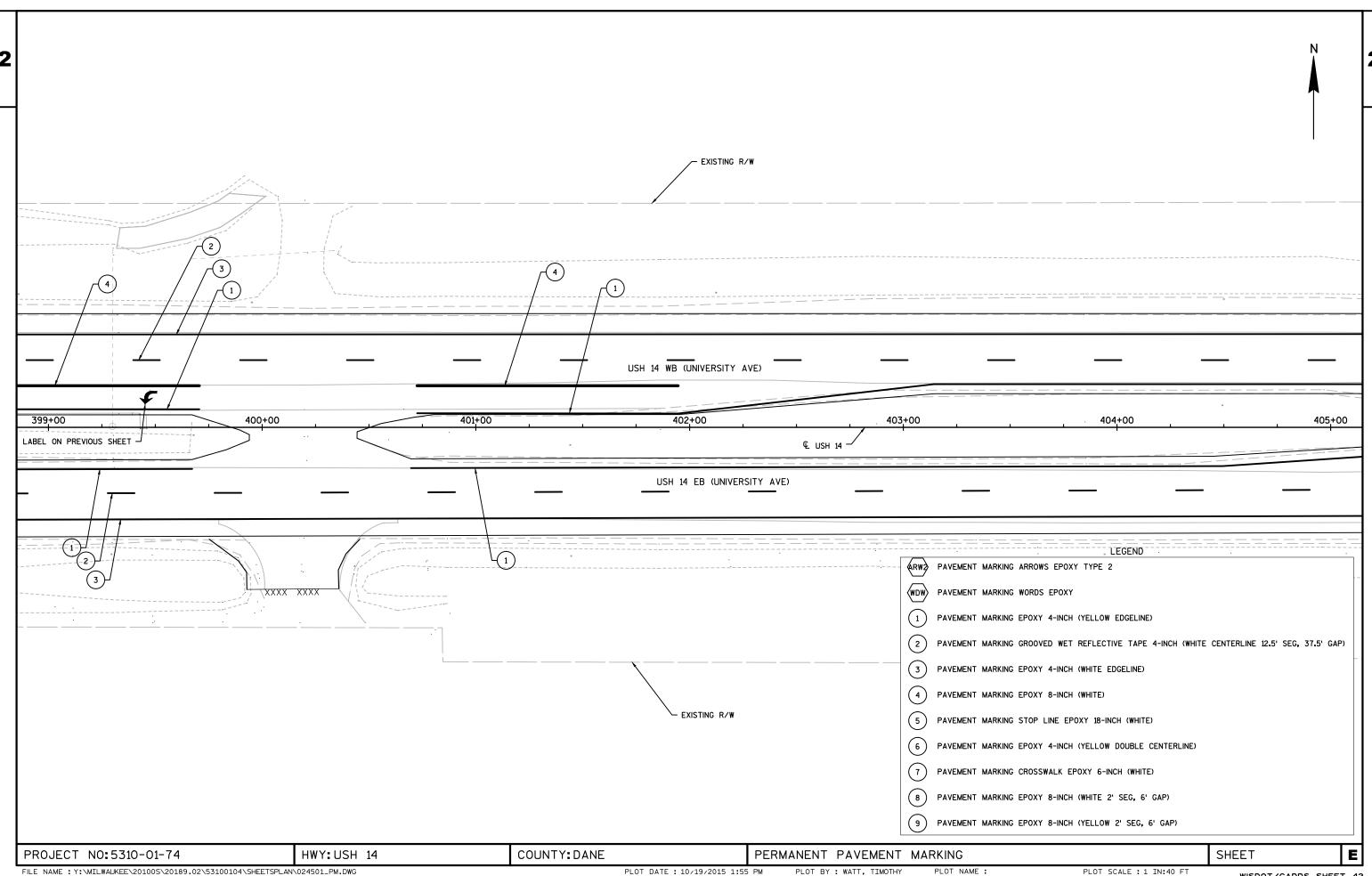


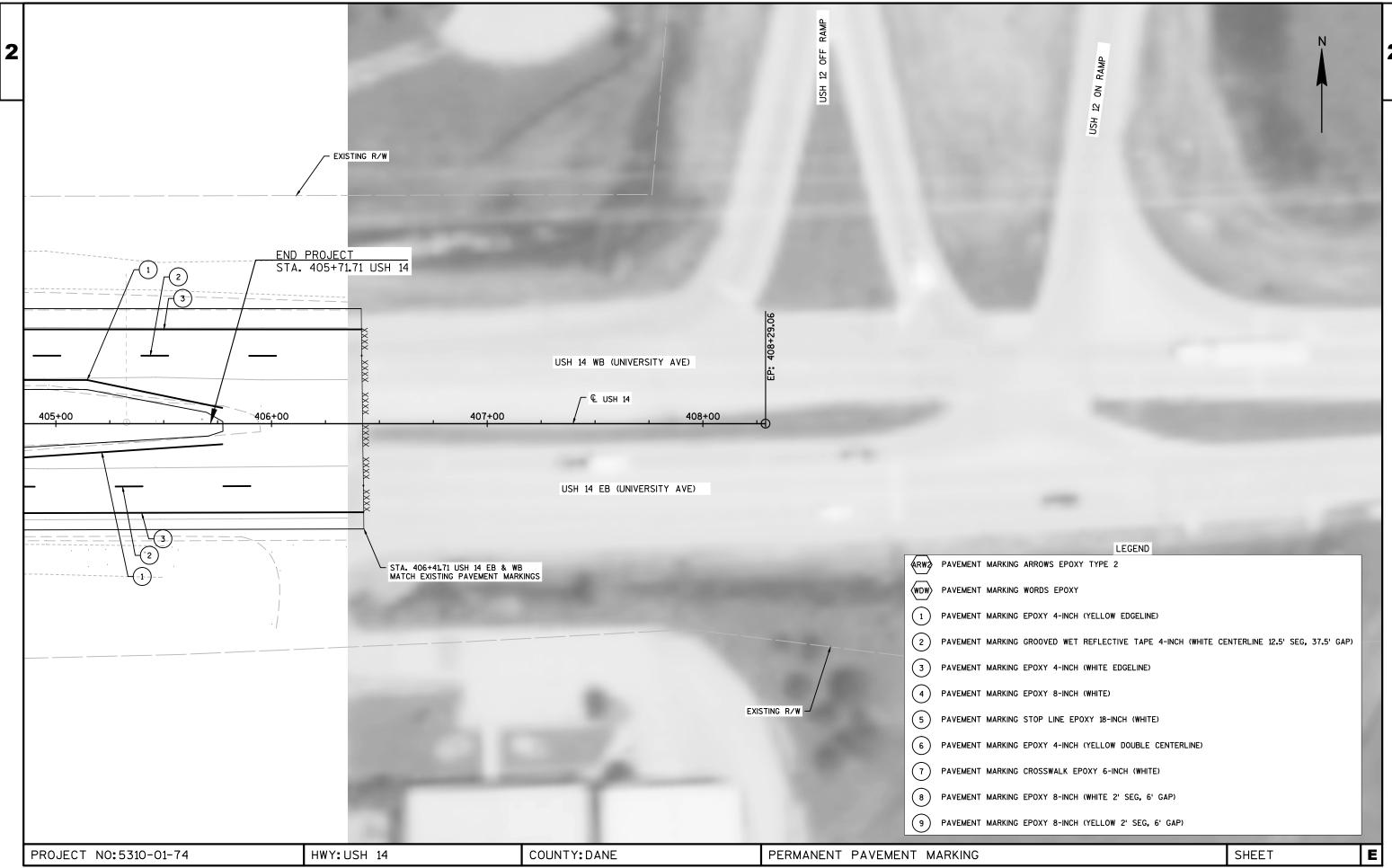












INSTALL 14' MAX WIDTH SIGN APPROXIMATELY 1500 FEET PRIOR TO LANE CLOSURE OR AS DIRECTED BY THE ENGINEER (SEE TRAFFIC CONTROL ADDITIONAL ADVANCED SIGNING FOR ADDITIONAL SIGNS AND LOCATIONS)

WORK ZONE WORK ZONE WORK ZONE WORK ZONE WORK ZONE INSIDE SHOULDER WIDENING COMPLETED IN STAGE 1 STAGE 2: TYPICAL SECTION WAX. 12' WAX. 12' WIDTH WIDTH STAGE 1 WAX.

INSTALL 12' MAX WIDTH SIGN APPROXIMATELY 1500 FEET PRIOR TO LANE CLOSURE OR AS DIRECTED BY THE ENGINEER (SEE TRAFFIC CONTROL ADDITIONAL ADVANCED SIGNING FOR ADDITIONAL SIGNS AND LOCATIONS)

STAGE 1 WORK

- COMPLETE CONCRETE BASE PATCHING ON INSIDE LANE 1, BASE PATCHING ON INSIDE TURN LANES, AND INSIDE SHOULDER WIDENING.
- 2. UTILIZE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY TO COMPLETE WORK DURING OFF-PEAK HOURS.
- 3. STAGE INTERSECTIONS TO COMPLETE BASE PATCHING ON USH 14 WHILE MAINTAINING ACCESS TO THE SIDE ROADS AT ALL TIMES. SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE.

STAGE 1 & STAGE 2 TRAFFIC CONTROL NOTES:

- SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY AND TRAFFIC
 CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H. TO COMPLETE
 WORK.
- UTILIZE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE FOR TRAFFIC CONTROL LAYOUT NEAR AT GRADE INTERSECTIONS WITHIN LANE CLOSURES.
- FOR STAGE 1 ADD 14' MAX LANE WIDTH SIGN AT LEAST 2000 FEET PRIOR TO OFF RAMPS ON USH 12 (BELTLINE) NOTIFYING TRAFFIC OF LANE WIDTH RESTRICTIONS ON USH 14 WESTBOUND.
- FOR STAGE 2 ADD 12' MAX LANE WIDTH SIGN AT LEAST 2000 FEET PRIOR TO OFF RAMPS ON USH 12 (BELTLINE) NOTIFYING TRAFFIC OF LANE WIDTH RESTRICTIONS ON USH 14 WESTBOUND.

STAGE 2 WORK

- 1. COMPLETE CONCRETE BASE PATCHING ON OUTSIDE LANE 2 AND OUTSIDE TURN LANES.
- 2. UTILIZE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY TO COMPLETE WORK DURING OFF-PEAK HOURS.
- 3. STAGE INTERSECTIONS TO COMPLETE BASE PATCHING ON USH 14 WHILE MAINTAINING ACCESS TO THE SIDE ROADS AT ALL TIMES. SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE.

PROJECT NO:5310-01-74 HWY:USH 14 COUNTY:DANE TRAFFIC CONTROL STAGING SHEET E



USH 14 WORK ZONE WORK ZONE LANE 2 I ANF 1 I ANF 1 LANE 2 INSIDE SHOULDER WIDENING COMPLETED IN STAGE 1 INSIDE SHOULDER WIDENING COMPLETED IN STAGE 1 STAGE 3: TYPICAL SECTION

INSTALL 12' MAX WIDTH SIGN APPROXIMATELY 1500 FEET PRIOR TO LANE CLOSURE OR AS DIRECTED BY THE ENGINEER
(SEE TRAFFIC CONTROL ADDITIONAL ADVANCED SIGNING FOR ADDITIONAL SIGNS AND LOCATIONS)

USH 14 WORK ZONE LANE 2 LANE 1 LANE 1 LANE 2 ASPHALT OVERLAY COMPLETED IN STAGE 3 ASPHALT OVERLAY COMPLETED IN STAGE 3 INSIDE SHOULDER WIDENING INSIDE SHOULDER WIDENING COMPLETED IN STAGE 1 COMPLETED IN STAGE 1 STAGE 4: TYPICAL SECTION

INSTALL 14' MAX WIDTH SIGN APPROXIMATELY 1500 FEET PRIOR TO LANE CLOSURE OR AS DIRECTED BY THE ENGINEER (SEE TRAFFIC CONTROL ADDITIONAL ADVANCED SIGNING FOR ADDITIONAL SIGNS AND

LOCATIONS)

STAGE 3 WORK

- 1. COMPLETE ASPHALT OVERLAY ON OUTSIDE LANE 2, OUTSIDE SHOULDERS, AND OUTSIDE TURN LANES. UTILIZE MICHIGAN JOINT AT USH 14 CENTERLINE.
- 2. UTILIZE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY TO COMPLETE WORK
- 3. STAGE INTERSECTIONS TO COMPLETE ASPHALT OVERLAY ON USH 14 WHILE MAINTAINING ACCESS TO THE SIDE ROADS AT ALL TIMES. SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE.

STAGE 1 & STAGE 2 TRAFFIC CONTROL NOTES:

- SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY AND TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 M.P.H. TO COMPLETE
- . UTILIZE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE FOR TRAFFIC CONTROL LAYOUT NEAR AT GRADE INTERSECTIONS WITHIN LANE CLOSURES.
- FOR STAGE 3 ADD 12' MAX LANE WIDTH SIGN AT LEAST 2000 FEET PRIOR TO OFF RAMPS ON USH 12 (BELTLINE) NOTIFYING TRAFFIC OF LANE WIDTH RESTRICTIONS ON USH 14 WESTBOUND.
- FOR STAGE 4 ADD 14' MAX LANE WIDTH SIGN AT LEAST 2000 FEET PRIOR TO OFF RAMPS ON USH 12 (BELTLINE) NOTIFYING TRAFFIC OF LANE WIDTH RESTRICTIONS ON USH 14 WESTBOUND.

STAGE 4 WORK

- COMPLETE ASPHALT OVERLAY ON INSIDE LANE 1, INSIDE SHOULDERS, INSIDE TURN LANES, AND MAINTENANCE CROSSOVERS. MILL NOTCHED JOINT, PLACED IN STAGE 3, AT LOCATIONS WHERE STAGE 4 ASPHALT OVERLAY IS BEING COMPLETED.
- 2. UTILIZE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY TO COMPLETE WORK DURING OFF-PEAK HOURS.
- 3. STAGE INTERSECTIONS TO COMPLETE ASPHALT OVERLAY ON USH 14 WHILE MAINTAINING ACCESS TO THE SIDE ROADS AT ALL TIMES. SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE.

Ε SHEET

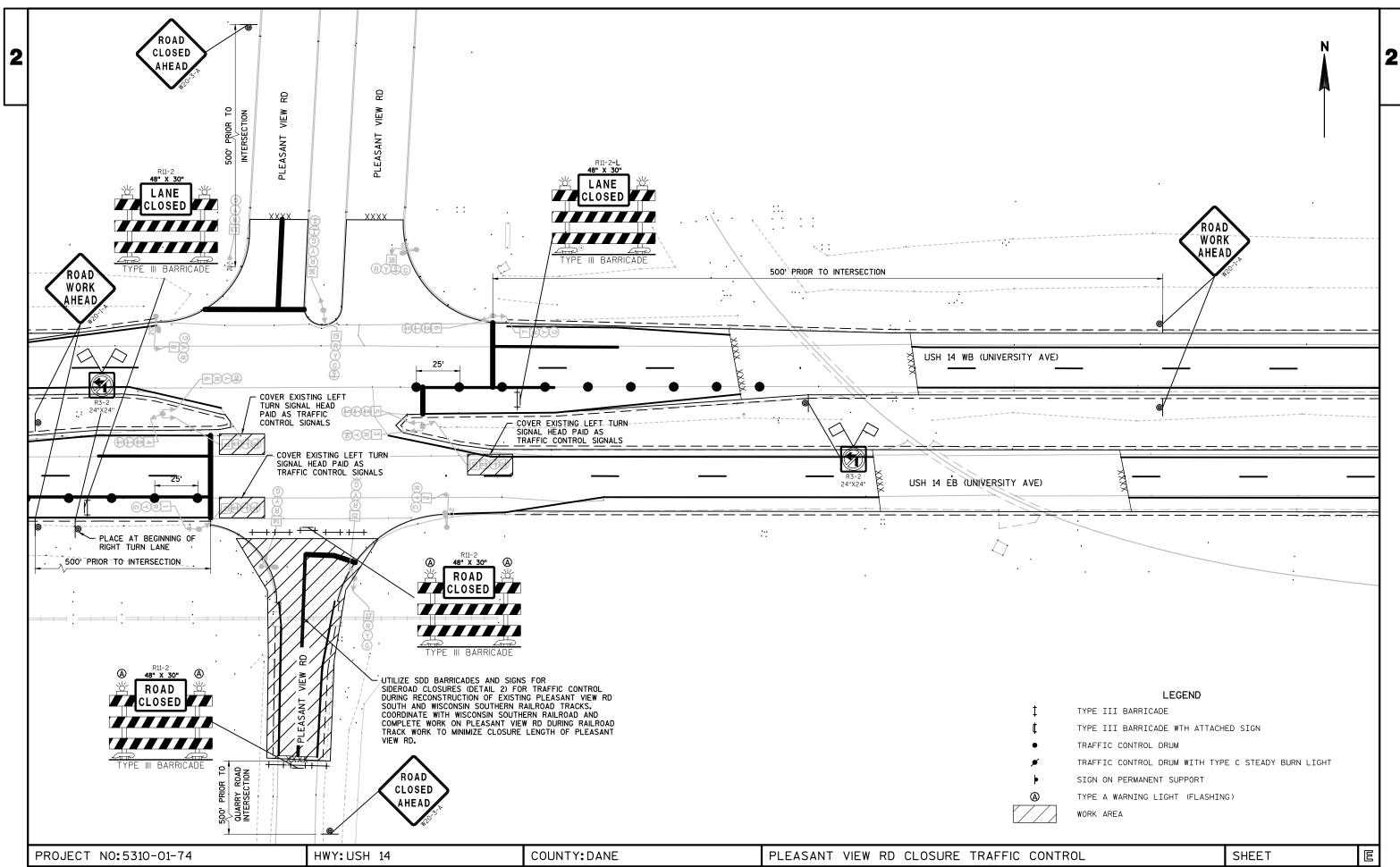
PROJECT NO:5310-01-74 HWY: USH 14 COUNTY: DANE

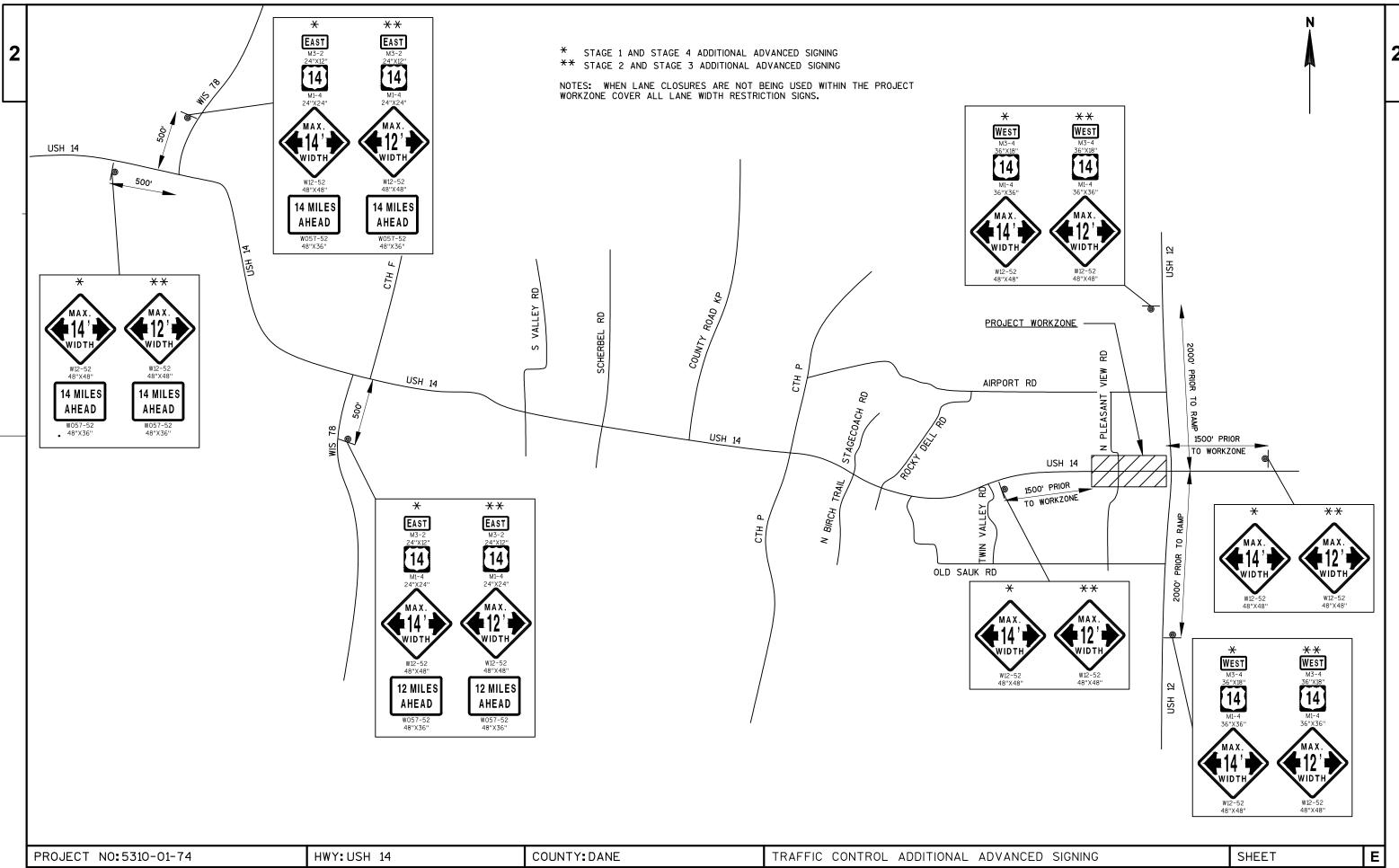
TRAFFIC CONTROL STAGING

PLOT BY : WATT, TIMOTHY

PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42



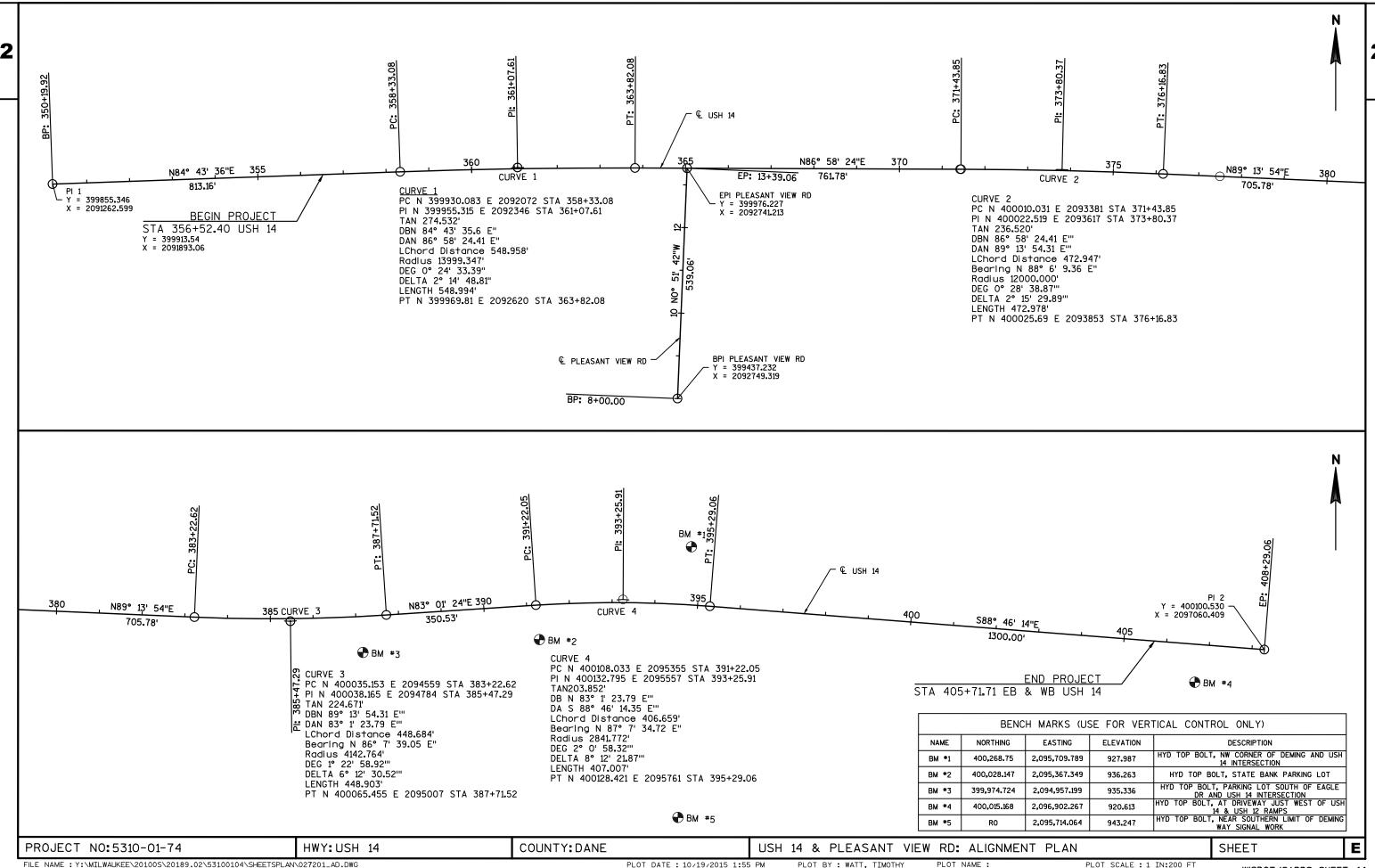


FILE NAME : Y:\MILWAUKEE\20100S\20189.02\53100104\SHEETSPLAN\025004_TC.DWG

PLOT DATE: 10/19/2015 1:55 PM

PLOT BY: WATT, TIMOTHY

PLOT NAME: PLOT SCALE: 1 IN:20 FT



0350

0360

0370

0380

0390

0400

0410

0420

0430

0440

0450

0460

0470

0480

0490

634. 0618

634. 0622

637. 2210

637. 2215

637. 2230

638. 2602

638. 3000

642. 5001

643. 0100 643. 0300

643.0420

643.0715

643.0800

643.0900

Posts Wood 4x6-Inch X 18-FT

Posts Wood 4x6-Inch X 22-FT

Signs Type II Reflective H

Signs Type II Reflective F

Removing Small Sign Supports

Traffic Control Arrow Boards

Removing Signs Type II

Field Office Type B

Traffic Control Drums

Traffic Control Signs

Signs Type II Reflective H Folding

Traffic Control Barricades Type III

Traffic Control Warning Lights Type A

Traffic Control Warning Lights Type C

Traffic Control (project) 01. 5310-01-74

EACH

EACH

SF

SF

SF

EACH

EACH

EACH

EACH

DAY

DAY

DAY

DAY

DAY

DAY

4.000

3.000

794.500

97.000

221. 300

94.000

85.000

1.000

1.000

7, 770. 000

518.000

990.000

90.000

94.000

2, 720. 000

4.000

3.000

794. 500

221. 300

94.000

85.000

1.000

1.000

7, 770. 000

518.000

990.000

90.000

94.000

2, 720. 000

97.000

DATE 28	BJAN16	EST	IMAT	E OF QUAN	T I T I E S 5310-01-74
NUMBER 0500	ITEM 643.1050	ITEM DESCRIPTION Traffic Control Signs PCMS	UNI T DAY	TOTAL 50. 000	QUANTI TY 50. 000
0510	646. 0106	Pavement Marking Epoxy 4-Inch	LF	18, 550. 000	18, 550. 000
0520 0530	646. 0126 646. 0600	Pavement Marking Epoxy 8-Inch Removing Pavement Markings	LF LF	1, 740. 000 18, 150. 000	1, 740. 000 18, 150. 000
0540		S Pavement Marking Grooved Wet Reflective	LF	2, 300. 000	2, 300. 000
0550	647. 0110	Tape 4-Inch Pavement Marking Railroad Crossings Epoxy	EACH	3.000	3. 000
0560	647. 0166	Pavement Marking Arrows Epoxy Type 2	EACH	12. 000	12. 000
0570	647. 0356	Pavement Marking Words Epoxy	EACH	4.000	4. 000
0580 0590	647. 0566 647. 0766	Pavement Marking Stop Line Epoxy 18-Inch Pavement Marking Crosswalk Epoxy 6-Inch	LF LF	440. 000 500. 000	440. 000 500. 000
0600	649. 0402	Temporary Pavement Marking Paint 4-Inch	LF	2, 300. 000	2, 300. 000
0610	649. 0600	Temporary Pavement Marking Removable Tape 6-Inch	LF	500.000	500. 000
0620	649. 0802	Temporary Pavement Marking Paint 8-Inch	LF	1, 660. 000	1, 660. 000
0630	649. 1100	Temporary Pavement Marking Stop Line 18-Inch	LF	440. 000	440. 000
0640	650. 4000	Construction Staking Storm Sewer	EACH	3.000	3. 000
0650	650. 8000	Construction Staking Resurfacing Reference	LF	4, 920. 000	4, 920. 000
0660	650. 8500	Construction Staking Electrical Installations (project) 01. 5310-01-74	LS	1. 000	1. 000
0670	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000
0680	652. 0225	Control (project) 01. 5310-01-74 Conduit Rigid Nonmetallic Schedule 40	LF	2, 480. 000	2, 480. 000
0690	652. 0605	2-Inch Conduit Special 2-Inch	LF	1, 270. 000	1, 270. 000
0700	652. 0800	Conduit Loop Detector	LF	415. 000	415. 000
0710	653. 0135	Pull Boxes Steel 24x36-Inch	EACH	15. 000	15. 000
0720	655. 0250	Cable Traffic Signal 9-14 AWG	LF	450.000	450.000
0730	655. 0700	Loop Detector Lead In Cable	LF	1, 525. 000	1, 525. 000
0740 0750	655. 0800 678. 0012	Loop Detector Wire Install Fiber Optic Cable Outdoor Plant	LF LF	1, 475. 000 5, 050. 000	1, 475. 000 5, 050. 000
0730	370.0012	12-CT	_1	3, 030. 000	3, 030. 000
0760	690. 0150	Sawi ng Asphal t	LF	1, 430. 000	1, 430. 000
0770	690. 0250	Sawing Concrete	LF	10, 750. 000	10, 750. 000
0780 0790	SPV. 0060 SPV. 0060	Special 01. Locating Existing Conduit Special 02. Adjusting Manhole Covers	EACH EACH	1. 000 8. 000	1. 000 8. 000
0800	SPV. 0060	Special 03. Mobilization Emergency Shoulder and Pavement Repair	EACH	2. 000	2. 000
0810	SPV. 0060	Special O4. Landmark Reference Monuments Special	EACH	1. 000	1. 000
0820	SPV. 0090	Special 01. Concrete Joint and Crack Cleaning and Repair	LF	2, 750. 000	2, 750. 000
0830	SPV. 0090	Special 02. Removing HMA Pavement Notched Wedge Longitudinal Joint Milling	LF	1, 730. 000	1, 730. 000
0840	SPV. 0105	Special 01. Traffic Control Signals	LS	1. 000	1. 000
0850	SPV. 0180	Special O1. Partial Depth Asphalt Patching	SY	240. 000	240. 000
0860	SPV. 0195	Special O1. Cold Patch	TON	5. 000	5. 000

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		PAVEMENT_	REMOVAL ITEMS			
	ITEMS 204.0100 REMOVING	ITEMS 204.0105 REMOVING	ITEMS 204.0109.S REMOVING	ITEMS 204.0115 REMOVING	ITEMS 204.0125 REMOVING	ITEMS SPV.0090.02 REMOVING HMA
	PAVEMENT	PAVEMENT	CONCRETE	ASPHALTIC	ASPHALTIC	PAVEMENT NOTCHED
		BUTT JOINTS	SURFACE	SURFACE	SURFACE	WEDGE LONGITUDINAL
CATEGORY 0010			PARTIAL DEPTH	BUTT JOINTS	MILLING	JOINT MILLING
LOCATION	(SY)	(SY)	(SF)	(SY)	(TONS)	(LF)
ROADWAY						
396+58 to 405+72 EB	-	-	-	-	397	914
398+13 +o 405+72 WB	-	-	-	_	378	759
USH 14 BEGIN PROJECT EB	-	-	-	249	-	-
USH 14 BEGIN PROJECT WB	-	-	-	280	-	-
USH 14 END PROJECT EB	-	-	-	273	-	-
USH 14 END PROJECT WB	-	-	-	358	-	-
USH 14 BEGIN MILL & OVERLAY EB	-	-	-	273	-	-
USH 14 BEGIN MILL & OVERLAY WB				358		
RR CROSSING USH 14 EB WEST SIDE	_	_	_	273	_	_
RR CROSSING USH 14 EB EAST SIDE	_	_	_	273	_	_
RR CROSSING USH 14 WB WEST SIDE	_	_	_	273	_	_
RR CROSSING USH 14 WB EAST SIDE	_	_	_	273	_	_
USH 14 INSIDE SHOULDER EB	_	_	_	_	300	-
USH 14 INSIDE SHOULDER WB	_	_	-	_	278	_
DOTT IT MADE SHOULDEN NO						
PLEASANT VIEW RD (SOUTH)	-	-	-	128	48	-
PLEASANT VIEW RD (NORTH)	-	-	-	378	32	-
EAGLE DR	-	-	-	245	29	-

SHOULDER AGGREGATE AND PREP WORK

2046

2248

106

4,400

66

3,700

128

1,590

57

1,730

328

356

16

700

400

400

TOTALS

DEMING WAY (SOUTH)

DEMING WAY (NORTH)

UNDISTRIBUTED

				•	SHOULDEN AGGILGA	L AND THE WOL	VIV.		
					ITEMS 211.0100	ITEMS 211.0400	ITEMS 213.0100	ITEMS 305.0110	ITEMS 305.0500
					PREPARE	PREPARE	FINISHING	BASE	SHAPING
					FOUNDATION FOR	FOUNDATION FOR	ROADWAY	AGGREGATE	SHOULDERS
					ASPHALTIC PAVING	ASPHALTIC	(5310-01-74)	DENSE	
CATEGORY 0010					(5310-01-74)	SHOULDERS		3/4-INCH	
LOCATION					(LS)	(STA)	(EACH)	(TON)	(STA)
USH 14					1	_	1	_	_
356+52	†o	396+58	INSIDE	EB	_	40	_	180	40
					_	40	_		
356+52	to	396+58	OUTSIDE	ΕB	-	-	-	180	40
360+91	†o	398+13	INSIDE	WB	-	38	-	166	38
360+91	to	398+13	OUTSIDE	WB	-	-	_	166	38
PLEASANT VIEW	RD								
11+44	to	12+34				1		158	1
UNDISTRIBUTED					-	3	-	120	3
			TOTAL	S	1	82	1	970	160

PROJECT NO: 5310-01-74 HWY: USH 14 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET E

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

4	2
	.5
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		BASE PATC	HING AND CONC	RETE REPAIR		
	ITEMS	390.0403 ITE	MS 416.0610	ITEMS 416.0620	ITEMS 690.0250	ITEMS SPV.0090.01
	BASE	PATCHING	DRILLED	DRILLED	SAWING	CONCRETE
	CONCR	ETE SHES	TIE BARS	DOWEL	CONCRETE	JOINT AND CRACK
CATEGORY 0010				BARS		CLEANING AND REPAIR
LOCATION		(SY)	(EACH)	(EACH)	(LF)	(LF)
356+52 +o 396+58	EB :	1552	279	1184	3733	1703
360+91 +o 398+13	WB 2	2553	420	2192	6492	922
DEMING WAY NORTH		-	-	-	75	-
DEMING WAY SOUTH		-	-	-	60	-
MANHOLE ADJUSTMENTS		26	64	-	192	-
UNDISTRIBUTED		144	37	204	198	125
	TOTALS 4	,275	800	3,580	10,750	2,750
			ASPHALT I	TEMS		
ITEMS 455.0120	ITEMS 455.0605	ITEMS 460.1110	ITEMS 465.0105	TTEMS 465.0120	ITEM 690.01	50 ITEMS SPV.0060
ASPHALTIC	TACK	HMA PAVEMENT	ASPHALTIC	ASPHALTIC	SAWING	MOBILIZATION
MATERIAL	COAT	TYPE E-10	SURFACE	SURFACE DRIVEWA	YS ASPHALT	EMERGENCY SHOUL
PG 64-28				AND FIELD ENTRAN	ICES	AND PAVEMENT RE
(TON)	(GAL)	(TON)	(TON)	(TON)	(LF)	(FACH)

			ASPHALTIC MATERIAL	ITEMS 455.0605 TACK COAT	ITEMS 460.1110 HMA PAVEMENT TYPE E-10	ASPHALTIC SURFACE	ITEMS 465.0120 ASPHALTIC SURFACE DRIVEWAYS	ITEM 690.0150 SAWING ASPHALT	ITEMS SPV.0060.03 MOBILIZATION EMERGENCY SHOULDER	ITEMS SPV.0180.01 PARTIAL DEPTH ASPHALT	ITEMS SPV.0195.01 COLD PATCH
CATEGORY 00	010		PG 64-28	(5.11.)	47010		AND FIELD ENTRANCES	<i>u</i> = .	AND PAVEMENT REPAIR		(TO 11)
LOCATION			(TON)	(GAL)	(TON)	(TON)	(TON)	(LF)	(EACH)	(SY)	(TON)
356+52	to 396+58	EB	145	2042	2620	_	<u>-</u>	_	1	_	2
360+91	to 398+13	WB	143	2013	2582	_	_	_	1	-	2
	E SHOULDER EB		22	125	399	-	_	_	<u>-</u>	_	-
	E SHOULDER WB		21	116	371	-	-	-	-	-	-
PLEASANT VIE	EW RD NORTH		2	29	23	_	-	-	-	_	_
PLEASANT VIE			7	57	125	-	_	_	_	_	-
EAGLE DR			2	26	21	_	-	-	-	_	=
396+58	to 405+72	EB	22	248	396	-	_	-	-	-	=
398+13	to 405+72	WB	21	236	378	_	_	_	-	-	_
USH 14 @ PL	EASANT VIEW RD RT	TURN LN	-	-	-	-	-	90	-	44	-
USH 14 @ PL	EASANT VIEW RD LT	TURN LN	-	-	-	-	-	298	-	183	-
BUTT JOINT E	BEGIN PROJECT EB		3	20	43	-	-	36	-	-	_
BUTT JOINT E	BEGIN PROJECT WB		3	20	43	-	-	36	-	-	-
BUTT JOINT F	PLEASANT VIEW RD N	NORTH	3	32	50	-	-	68	-	-	-
BUTT JOINT F	PLEASANT VIEW RD S	SOUTH	1	10	15	-	-	24	-	-	-
BUTT JOINT E	EAGLE DR		2	22	36	-	-	44	-	-	-
BUTT JOINT D	DEMING WAY NORTH		4	33	71	-	-	-	-	-	-
BUTT JOINT D	DEMING WAY SOUTH		4	29	64	-	-	-	-	-	-
BUTT JOINT E	END CONCRETE OVERL	_AY EB	3	20	44	-	-	36	-	-	-
BUTT JOINT E	END CONCRETE OVERL	_AY WB	3	24	53	=	-	47	-	=	=
BUTT JOINT E	END PROJECT		5	56	90	-	-	204	-	-	-
	CROSSING EB EAST		-	-	-	-	-	36	-	-	-
	CROSSING EB WEST		-	=	-	=	-	36	-	=	-
USH 14 RAIL	CROSSING WB EAST	SIDE	-	-	-	-	-	36	-	-	-
USH 14 RAIL	CROSSING WB WEST	SIDE	-	-	-	-	-	42	-	-	-
DRIVEWAY 384	4+00		-	-	-	-	26	36	-	-	-
DRIVEWAY 386	6+00		-	-	-	-	16	32	-	-	-
DRIVEWAY 390	0+50		-	-	-	-	22	43	-	-	-
DRIVEWAY 400			-	-	-	-	25	43	-	-	-
MANHOLE ADJ	JUSTMENTS		-	-	-	206	-	192	-	-	-
UNDISTRIBUTED	D		14	112	256	4	6	51	-	13	1
		TOTALS	430	5,270	7,680	210	95	1,430	2	240	5

PROJECT NO: 5310-01-74 HWY: USH 14 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET E

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : ____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

DRAINAGE AND UTILITY ITEMS

		DIVA	INAGE AND	UTILITI ITEN		
		IT	EMS 611.81	15	ITEMS 611.8120.S	ITEMS SPV.0060.02
			ADJUSTING		COVER	ADJUSTING
			INLET			MANHOLE
			COVERS		TEMPORARY	COVERS
CATEGORY 0010						
LOCATION		EX ELEV	(EACH)	PROP ELEV	(EACH)	(EACH)
USH 14		-	-	-	-	-
395+22	92.0' RT	=	-	=	-	1
394+31	14.0' LT	927.65	1	927.88	1	-
394+31	7.5' RT	927.37	1	927.60	1	-
395+03	68.8' LT	-	-	-	1	1
395+07	69.3' RT	-	-	-	1	1
395+08	103.4' RT	-	-	-	1	1
395+46	67.9' RT	-	-	-	1	1
395+60	70.0' LT	-	-	-	1	1
UNDISTRIBUTED		-	1	-	2	2
	TOTALS		3		9	8

MAINTENANCE	AND	REPAIR	OF	HAUL	ROADS
			ITE	MS 61	.8.0100
			М	AINTEN	IANCE
			Į	AND RE	EPAIR
			0F	HAUL	ROADS
CATEGORY OC	10		(!	5310-0	1-74)
LOCATION				(EAC	H)
USH 14				1	
				1	

EROSION CONTROL

	ITEMS 628.1504	ITEMS 628.1520	ITEMS 628.1905	ITEMS 628.1910	ITEMS 628.7005	ITEMS 628.7015	ITEMS 628.7504
	SILT	SILT	MOBILIZATIONS	MOBILIZATIONS	INLET	INLET	TEMPORARY
	FENCE	FENCE	EROSION	EMERGENCY	PROTECTION	PROTECTION	DITCH
		MAINTENANCE	CONTROL	EROSION	TYPE A	TYPE C	CHECKS
CATEGORY 0010				CONTROL			
LOCATION	(LF)	(LF)	(EACH)	(EACH)	(EACH)	(EACH)	(LF)
MAINLINE USH 14 UNDISTRIBUTED	200	200	1	2	5	2	100
PLEASANT VIEW RD SOUTH UNDISTRIBUTED	200	200	1	1	-	-	20
OTHER UNDISTRIBUTED	100	100	-	-	2	2	100
TOTALS	500	500	2	3	7	4	220

NOTE: EROSION CONTROL ITEMS TO BE PLACED AT THE DISGRESSION OF THE ENGINEER IN THE FIELD

	l	PROJECT NO: 5310-01-74	HWY: USH 14	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET	Е
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FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : ____ ORG DATE : ____ ORIGINATOR : DIST PLOT SCALE : 1:1

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SHEET

MISCELLANEOUS QUANTITIES

						ITEM 634.0614		ITEM 634.0618			ITEM 637.2215	ITEM 637.2230	ITEM 638.2602	ITEM 638.3000	
SIGN NO.	SIGN CODE	SIGN TYPE	SIGN MESSAGE	TYPE II	SIGN SIZE		POSTS WOOD 4X6-INCH X	4X6-INCH X	POSTS WOOD 4X6-INCH X	SIGNS TYPE II REFLECTIVE H	SIGNS TYPE II REFLECTIVE H	SIGNS TYPE II REFLECTIVE F	REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS	MOUNT ON SAME POST AS SIGN
		111 -		W (IN.)	H (IN.)	14-FT (EACH)	16-FT (EACH)	18-FT (EACH)	22-FT (EACH)	(SF)	FOLDING (SF)	(SF)	(EACH)	(EACH)	#
						,_,,,,,,	, , , , , , , , , , , , , , , , , , , ,								
1-O1	W6-3	II	-	36	36	1	-	-	-	-	-	9.00	-	-	-
1-02	R4-7		-	36	48	-	1	-	-	12.00	-	-	-	-	-
1-03	W5-54D R5-1	II II	-	18 36	18 36	-	- 1	-	-	- 9.00	-	2.25	-	-	-
1-03	R2-1	II II	- 45	24	30	_	_	_	-	5.00	_	_	-	-	1-03
1-05(R)	W12-1R	ii	-	30	30	1	_	-	-	-	-	6.25	1	1	-
1-06(R)	W12-1R	II	-	30	30	1	-	-	-	-	-	6.25	1	1	-
1-07	R5-1A		-	42	30	-	1	-	-	8.75	-	-	-	-	-
1-08	W6-2		-	36	36	-	-	-	-	-	-	9.00	-	-	1-07
1-09	R2-1	II II	45	24	30	-	1	-	-	5.00	-	-	-	-	-
1-10 1-11	W3-3 W3-3	II II	-	_	_	_	_	_	_	-	_	_	1	1	-
2-01(R)	W12-1R		-	30	30	1	-	-	-	-	-	6.25	1	1	-
2-02(R)	W12-1R	II	-	30	30	1	-	-	-	-	-	6.25	1	1	-
2-03(R)	W12-1R	II	-	30	30	1	-	-	-	-	-	6.25	1	1	-
2-04(R)	W4-2L	II	-	36	36	-	1	-	-	-	-	9.00	1	1	-
2-05(R)	W4-2L		-	36	36	-	1	-	-	-	-	9.00	1	1	-
2-06(R)	W9-1L	II II	400 57	36	36	-	-	1	-	-	-	9.00	1	1	-
2-07(R)	W16-2aP W9-1L	II	400 FT	30 36	18 36	-	-	- 1	-	-	-	3.75 9.00	- 1	- 1	-
2 01110	W16-2aP	ii	400 FT	30	18	_	_	_	_	_	_	3.75	_	_	_
2-08(R)	W10-2	ii	-	36	36	-	1	_	_	_	_	9.00	1	1	-
2-09(R)	W10-2	II	-	36	36	-	1	-	-	-	-	9.00	1	1	-
2-10(R)	W3-3	II	-	36	36	-	1	-	-	-	-	9.00	1	1	-
2-11(R)	W3-3			36	36	-	1	-	-	-	-	9.00	1	1	-
2-12(R)	D1-61	II II	Pleasant View Rd		30	-	2	_	-	26.25	_	-	1	2	_
2-13(R) 2-14(R)	R5-1A R5-1A	II II	-	42 42	30 30	1	-	_	-	8.75 8.75	_	_	1	1	_
2-15(R)	R5-1	ii	-	36	36	-	1	-	-	9.00	-	-	1	1	-
2-16(R)	R5-1	II	-	36	36	-	1	-	-	9.00	-	-	1	1	-
3-01(R)	R1-1F	II	-	36	36	-	-	-	-	-	7.46	-	1	-	MOUNT ON SIGNAL
3-02(R)	R1-1F	II	-	36	36	-	-	-	-	-	7.46	-	1	-	MOUNT ON SIGNAL
3-03(R)	R1-1F	II 	-	36	36	-	-	-	-	-	7.46	-	1	-	MOUNT ON SIGNAL
3-04(R) 3-05(R)	R5-1 R5-1	II II	-	36 36	36 36	-	1	-	-	9.00 9.00	-	-	1	1	-
3-05(R)	R5-1A	II	_	42	30	_	1	_	_	8.75	_	_	1	1	_
3-07(R)	R5-1A	ii	-	42	30	-	1	-	-	8.75	-	-	1	1	-
3-08	W10-2	II	-	36	36	-	-	-	-	-	-	9.00	-	-	3-06(R)
3-09	W10-2	II	-	36	36	-	-	-	-	-	-	9.00	-	-	3-07(R)
3-10(R)	R1-1F		-	36	36	-	-	-	-	-	7.46	-	1	-	MOUNT ON SIGNA
3-11(R)	R1-1F		-	36	36	-	-	-	-	-	7.46	-	1	-	MOUNT ON SIGNA
3-12(R) 3-13(R)	R1-1F R1-1F	II II	-	36 36	36 36	-	-	-	-	-	7.46 7.46	-	1	-	MOUNT ON SIGNAL MOUNT ON SIGNAL
3-13(R)	W10-1	II	_	36	36					_		7.07	1	1	- WOUNT ON SIGNAL
3 1100	W10-1A	 II	-	24	12	-	_	-	-	_	-	2.00	-	-	-
3-15(R)	W1O-1	II	-	36	36					-	-	7.07	1	1	-
	W10-1A	II	-	24	12	-	-	-	-	-	-	2.00	_	-	-
4-01(R)	D1-61	II	Pleasant View Rd		30	-	2	-	-	26.25	-	-	1	2	-
4-02(R)	W10-1		-	36	36	-	1	-	-	-	-	7.07	1	1	-
4-03(R)	W1O-1A W1O-1	1l 11	-	24 36	12 36	-	1	-	-	-	-	2.00 7.07	- 1	- 1	-
7 05(1)/	W10-1 W10-1A	11	-	24	12	-	_	-	-	-	-	2.00	_	_	-
4-04(R)	R2-1	 	45	-	-	-	1	_	_	_	-	-	1	1	REMOVE ONLY
4-05(R)	R2-1	II	45	-	-	-	1	-	-	-	-	-	1	1	REMOVE ONLY
4-06(R)	W3-3	II	-	36	36	-	1	-	-	-	-	9.00	1	1	-
4-07(R)	W3-3	II 	-	36	36	-	1	-	-	-	-	9.00	1	1	-
4-08(R)	R2-1	II II	45	36 36	48	-	1	-	-	12.00	-	-	1	1	-
4-09(R) 5-01(R)	R2-1 D12-2	II II	45 -	36 60	48		2			12 . 00			<u>1</u>	1 1	
6-01(R)	R1-1		-	36	36	-	1	-	-	7.46	-	-	1	1	-
	R6-1-R	II.	-	54	18	-	-	_	_	6.75	-	-	-	-	6-01(R)
6-02(R)	R5-1	II	-	36	36	-	1	-	-	9.00	-	-	1	1	-
6-03(R)	R5-1A	II	-	42	30	1	-	-	-	8.75	-	-	1	1	-
6-04(R)	R2-1		45	36	48	-	1	-	-	12.00	-	-	1	1	-
6-05(R)	R2-1	II	45	36	48	-	1	-	-	12.00	-	-	-	-	-
6-06(R) 6-07(R)	R6-2-R R6-2-R	11	-	36 36	48 48	-	1	-	-	12.00 12.00	-	-	1	1	-
	R6-2-R	11	-	36	48	-	1	_	_	12.00	_	-	1	1	_
D-UNIKI	. (L 1 \			J J	10		4			12.00					
6-08(R)		ISTING SI	GN IN SAME LOCATION	אר	SUBTOTALS	9	37	2	0	296.7	52.2	203.3	50	45	

PERMANENT SIGNING TYPE II (PART I)

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : ____ ORG DATE : ____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

COUNTY: DANE

HWY: USH 14

PROJECT NO: 5310-01-74

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SIGN NO.	SIGN CODE	SIGN TYPE	SIGN MESSAGE	TYPE	II SIGN SIZE	ITEM 634.0614 POSTS WOOD 4X6-INCH X			ITEM 634.0622		ITEM 637.2215 SIGNS TYPE II REFLECTIVE H	SIGNS TYPE II		ITEM 638.3000 REMOVING SMALL	MOUNT ON SAM
		TIPE		W (IN.)	H (IN.)	14-FT (EACH)	16-FT (EACH)	18-FT (EACH)	22-FT (EACH)	(SF)	FOLDING (SF)	REFLECTIVE F (SF)	TYPE II (EACH)	SIGN SUPPORTS (EACH)	#
												-			
7-01(R) 7-02(R)	D1-1 R6-2-L	II II	Eagle Dr -	84 36	21 48	2 -	- 1	-	-	12 . 25 12 . 00	-	-	1	1	-
7-03(R)	R5-1	ii	-	36	36	-	1	-	-	9.00	-	-	1	1	_
7-04(R)	R2-1	II	45	36	48	-	1	-	-	12.00	-	-	1	1	-
7-05(R)	R5-1A	II	-	42	30	-	1	-	-	8.75	-	-	1	1	-
7-06(R)	R2-1	II II	45	36 36	48	-	-	-	-	12.00	-	-	-	-	7-05(R)
7-07(R) 7-08(R)	R3-20-L R4-7	II	-	36	54 48	_	1	_	_	13 . 50 12 . 00	_	_	1	1	_
7-09(R)	R5-1A	ii	-	42	30	1	_	-	-	8.75	-	_	1	1	-
7-10(R)	R5-1	II	-	36	36	-	1	-	-	9.00	-	-	1	1	-
7-11(R)	D1-61	II	Deming Way	90	30	-	2	-	-	18.75	-	-	1	2	-
7-12(R)	R5-1A		-	42	30	1	_	-	-	8.75	7.40	-	1	1	- MOUNT ON SIGN
8-01(R) 8-02(R)	R1-1F R1-1F	II II	-	36 36	36 36	-	-	-	-	-	7.46 7.46	-	1	-	MOUNT ON SIGN
8-03(R)	R1-1F	ı. II	-	36	36	-	-	-	-	-	7.46	-	1	-	MOUNT ON SIGN
8-04(R)	R1-1F	II	-	36	36	-	-	-	-	-	7.46	-	1	-	MOUNT ON SIGN
8-05(R)	R5-1	II	-	36	36	-	1	-	-	9.00	-	-	1	1	-
8-06(R)	R5-1A	II		42	30	1	_	-	-	8.75	-	-	1	1	-
8-07(R)	D1-61	II II	Deming Way	90 36	30 36	-	2	-	-	18.75	-	-	1	2	_
8-08(R) 8-09(R)	R5-1 R1-1F	II II	-	36	36	-	_	-	-	9.00	7.46	_	1	-	MOUNT ON SIGN
8-10(R)	R1-1F	ii	-	36	36	-	-	-	-	-	7.46	_	1	-	MOUNT ON SIGN
8-11(R)	J1-1	II	JCT	36	57	-	1	-	-	14.25	-	-	1	1	-
8-12(R)	J1-1	II II	12 JCT	36	57	_	1	_	_	14.25	_	_	1	1	_
		II	12				-						-	-	0. 11/D)
8-13(R) 8-14(R)	R5-1A R5-1A	II II	-	42 42	30 30	-	-	-	-	8.75 8.75	-	-	-	-	8-11(R) 8-12(R)
8-15(R)	R5-1	ii	-	36	36	-	1	-	-	9.00	-	-	1	1	-
9-01(R)	R4-7	II	-	36	48	-	1	-	-	12.00	-	-	1	1	-
9-02(R)	R6-2-L	II	-	36	48	-	1	-	-	12.00	-	-	1	1	-
9-03(R)	R4-7	II	-	36	48	-	1	-	-	12.00	-	-	1	1	-
9-04(R)	D2-2	II	CROSS PLAINS (6) SPRING GREEN (32)	126	36	-	_	2	-	31.50	-	-	2	1	-
9-05(R)	R3-20-L	II	-	36	54	-	1	-	-	13.50	-	-	1	1	-
9-06(R)		II	FRANK LLOYD WRIGHT MEMORIAL HIGHWAY	-	-	-	-	-	-	-	-	-	1	1	REMOVE ONL'
9-07	J4-1	II	WEST 14	24	36	-	1	-	-	6.00	-	-	1	1	-
9-08(R)	R2-1	II	45	-	-	-	-	-	-	-	-	-	1	1	REMOVE ONL'
9-09(R)	R2-1	II	45	-	-	-	-	-	-	-	-	-	1	1	REMOVE ONLY
9-10(R)	W3-5	II	35	36	36	-	1	-	-	-	-	9.00	1	1	-
9-11(R) 9-12(R)	W3-5 JV	II II	35 WEST	36 36	36 126	-	1	-	- 1	- 31.50	-	9.00	1	1	-
3-12(K)	J V	11	12	-	-	_	_	_	_	-	_	_	_	-	_
			14	_	-	-	-	-	-	-	_	_	_	-	-
		II	USE LEFT LANE	-	-	-	-	-	-	-	-	-	-	-	-
9-13(R)	J2-3	II	EAST	108	84	-	-	-	2	63.00	-	-	1	2	-
		II	12	-	-	-	-	-	-	-	-	-	-	-	-
		II II	LEFT ARROW EAST	_	-	-	-	-	-	-	-	-	-	-	-
		ıı II	14	_	_	_	_	_	_	_	_	_	_	_	_
		ii	LEFT ARROW	-	-	_	_	-	-	-	-	_	-	_	-
		II	WEST	-	-	-	-	-	-	-	-	-	-	-	-
		II	12	-	-	-	-	-	-	-	-	-	-	-	-
10 = 01/D\	R4-7	II II	STRAIGHT ARROW	36	- 40		_ 1			12.00	-		1	1	
10-01(R) 10-02(R)	R6-2-L	II II	-	36	48 48	-	1	-	_	12.00 12.00	-	-	1	1	_
10-03	R2-1	ii	45	36	48	-	1	-	_	12.00	_	-	_	_	_
10-04	R2-1	II	45	36	48	-	1	-	-	12.00	-	-	-	-	-
10-05(R)	R5-1	II	-	36	36	-	1	-	-	9.00	-	-	1	1	-
10-06(R)	R4-7	II ::	-	36	48	-	1	-	-	12.00	-	-	1	1	-
10-07(R)	R2-1	II II	35 35	24 24	30 30		_ 1			5.00	- -	- -	1	1	10-04
10-08(R)	R2-1	II III C	IGN IN SAME LOCATION		TOTALS	14	67	4	3	5.00 794.5	97.0	221.3	94	85	
DENUIES K	LIVIUVAL UF EX	כ טאוויכה	ION IN SAME LUCATIO	18	IUIALS	14	וס	7	J	134.3	31.0	221.3	34	60	

PROJECT NO: 5510-01-74 HWT. USH 14 COUNTY: DANE	PROJECT NO: 5310-01-74	HWY: USH 14	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET	Ε
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FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : ____ ORG DATE : ____ ORIGINATOR : DIST PLOT SCALE : 1:1

TRAFFIC CONTROL ITEMS

	ITEMS 643.0100	ITEMS 643.0300	ITEMS 643.0420	ITEMS 643.0705	ITEMS 643.0715	ITEMS 643.0800	ITEMS 643.0900	ITEMS 643.1050	ITEMS SPV.0105.01
	TRAFFIC	TRAFFIC	TRAFFIC CONTROL		TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC	TRAFFIC CONTROL	TRAFFIC
	CONTROL	CONTROL	BARRICADES	WARNING LIGHTS	WARNING LIGHTS	ARROW BOARDS	CONTROL	SIGNS PCMS	CONTROL
CATEGORY 0010	(5310-01-74)	DRUMS	TYPE III	TYPE A	TYPE C		SIGNS		SIGNALS
LOCATION	(EACH)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)	(DAY)	(LS)
TOTAL DAYS 46	1				-	-	-	28	-
DAYS STAGE 1 EB 7									
STAGE 1 EB	-	1148	63	126	10	14	371	-	-
DAYS STAGE 1 WB 8 STAGE 1 WB	-	1320	64	160	10	16	448	-	-
DAYS STAGE 2 EB 7									
STAGE 2 EB	-	1148	63	126	10	14	371	-	-
DAYS STAGE 2 WB8									
STAGE 2 WB	-	1240	72	160	10	16	448	-	-
DAYS STAGE 3 EB4									
STAGE 3 EB <i>DAYS STAGE 3 WB 4</i>	-	656	36	72	10	8	212	-	-
STAGE 3 WB		620	36	80	10	8	224	-	-
DAYS STAGE 4 EB4									
STAGE 4 EB	-	656	36	72	10	8	212	-	-
DAYS STAGE 4 WB4									
STAGE 4 WB	-	660	32	80	10	8	224	-	-
DAYS 10									
PLEASANT VIEW RD SOUT	<u>'H - </u>	200	100	80	-	-	130	20	1
UNDISTRIBUTED		122	16	34	10	2	80	2	
TOTAL	S 1	7,770	518	990	90	94	2,720	50	1

PROJECT NO: 5310-01-74	HWY: USH 14	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET	E
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FILE NAME : _____ PLOT DATE : ____ PLOT BY : ____ PLOT NAME : ____ ORG DATE : ____ ORIGINATOR : DIST PLOT SCALE : 1:1

PAVEMENT MARKING

								PAVEN	MENT MARKING					
	ĮΤ	EMS 646.0	0106	ITE	MS 646.01	126	ITEMS	646.0600	ITEMS 646.0881.S	ITEMS 647.0110	ITEMS 647.0166	ITEMS 647.0356	ITEMS 647.0566	ITEMS 647.0766
	PAVEMENT MARKING PAVEMENT MARKING EPOXY 4-INCH EPOXY 8-INCH		RKING	PAVEN	MENT MARK	INT MARKING		IOVING	PAVEMENT MARKING	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT MARKING	
			PAV	EMENT	GROOVED WET	MARKING	MARKING	MARKING	STOP LINE	MARKING				
							MAR	KINGS	REFLECTIVE TAPE	RAILROAD CROSSING	ARROWS EPOXY	WORDS	EPOXY	CROSSWALK
		CENTERLINE	Ξ	WHITE	YELLOW				4-INCH	EPOXY	TYPE 2	EPOXY	18-INCH	EPOXY 6-INCH
	EDGELINE	DOUBLE	EDGELINE	(2' SEG,	(2' SEG,		EDGELINE	EDGELINE	WHITE					
CATEGORY 0010	WHITE	YELLOW	YELLOW	6' GAP)	6' GAP)	WHITE	WHITE	YELLOW	(12.5' SEG, 37.5' GAP)				WHITE	WHITE
LOCATION	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EACH)	(EACH)	(EACH)	(LF)	(EACH)
MAINLINE														
356+52 TO 396+58 EB	3700	-	3610	-	=.	-	3700	3610	957	1	-	-	-	-
360+91 TO 398+13 WB	4070	-	3380	-	-	-	4070	3380	843	1	-	-	-	-
396+58 TO 405+72 EB	900	-	800	-	-	-	900	800	225	-	-	-	-	-
398+13 TO 405+72 WB	855	-	685	-	-	-	855	685	215	=	1	1	-	-
INTERSECTIONS														
USH 14 AT PLEASANT VIEW	-	-	-	-	-	330	-	-	-	-	-	-	102	-
USH 14 AT DEMING WAY	-	-	-	40	40	870	-	-	-	-	6	3	108	260
SIDEROADS														
MEDIAN OPENINGS	-	-	-	-	-	175	-	-	-	-	-	-	-	-
PLEASANT VIEW NORTH	-	-	-	-	-	52	-	-	-	-	-	-	58	-
PLEASANT VIEW SOUTH	182	118	-	-	-	-	-	-	-	1	-	-	30	-
EAGLE DR	-	30	-	-	-	-	-	-	-	-	-	-	28	-
DEMING WAY NORTH	-	84	-	-	-	130	-	-	-	-	3	-	48	225
DEMING WAY SOUTH	-	90	-	-	-	90	-	-	-	-	2	-	54	-
UNDISTRIBUTED	23	8	15	-	-	13	75	75	60		-	-	12	15
ITEM SUBTOTALS	9730	330	8490	40	40	1660	9600	8550	2300	3	12	4	440	500
TOTALS		18,550			1,740		18	, 150	2,300	3	12	4	440	500

PROJECT NO: 5310-01-74 HWY: USH 14 COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET	E
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FILE NAME : _____ PLOT DATE : ____ PLOT BY : ____ PLOT NAME : ____ ORG DATE : ____ ORIGINATOR : DIST PLOT SCALE : 1:1

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	WB 843 EB 225			
	ITEMS 649.0402	ITEMS 649.0600	ITEMS 649.0802	ITEMS 649.1100
	TEMPORARY	TEMPORARY	TEMPORARY	TEMPORARY
	PAVEMENT MARKING	PAVEMENT	PAVEMENT	PAVEMENT
	PAINT	MARKING	MARKING	MARKING
	4-INCH	REMOVABLE TAPE	PAINT	STOP LINE
	(12.5' SEG, 37.5' GAP)	6-INCH	8-INCH	18-INCH
ATEGORY 0010	WHITE	(CROSSWALKS)	WHITE	WHITE
OCATION	(LF)	(LF)	(LF)	(LF)
AINL INE				
56+52 TO 396+58 EB	957	=	_	-
60+91 TO 398+13 WB	843	-	-	-
96+58 TO 405+72 EB	225	=	-	=
98+13 TO 405+72 WB	215	-	-	-
ITERSECTIONS				
SH 14 AT PLEASANT VIEW	-	=	330	102
SH 14 AT DEMING WAY	_	260	870	108
<i>IDEROADS</i>				
EDIAN OPENINGS	-	-	175	-
LEASANT VIEW NORTH	-	=	52	58
LEASANT VIEW SOUTH	-	-	-	30
AGLE DR	-	-	-	28
EMING WAY NORTH	-	225	130	48
EMING WAY SOUTH	-	-	90	54
NDISTRIBUTED				
TOTALS	2,300	500	1,660	440

TRAFFIC SIGNAL ITEMS

	ITEMS 204.9060.S	ITEMS 652.0225	ITEMS 652.0605	ITEMS 652.0800	ITEMS 653.0135	ITEMS 655.0250) ITEMS 655.0700	ITEMS 655.0800	ITEMS 678.0012	SPV.0060.01
	REMOVING	CONDUIT RIGID	CONDUIT	CONDUIT	PULL	CABLE	LOOP	LOOP	INSTALL FIBER	LOCATE
	LOOP	NONMETALLIC	SPECIAL	L00P	BOXES	TRAFFIC	DETECTOR LEAD	DETECTOR	OPTIC CABLE	EXISTING
	DETECTOR	SCHEDULE 40	2-INCH	DETECTOR	STEEL	SIGNAL	IN CABLE	WIRE	OUTDOOR	CONDUIT
CATEGORY 0010		2-INCH			24X36-INCH	9-14 AWG			PLANT 12-CT	
LOCATION	(EACH)	(LF)	(LF)	(LF)	(EACH)	(LF)	(LF)	(LF)	(LF)	(EACH)
USH 14 AND PLEASANT VIEW RD	6	_	_	396	-	-	1500	1454	-	-
USH 14 AND DEMING WAY	3	-	445	-	3	440	-	-	-	1
SIGNAL INTERCONNECT	-	2455	800	-	11				4843	-
UNDISTRIBUTED	-	25	25	19	1	10	25	21	207	-
TOTALS	9	2,480	1,270	415	15	450	1,525	1,475	5,050	1

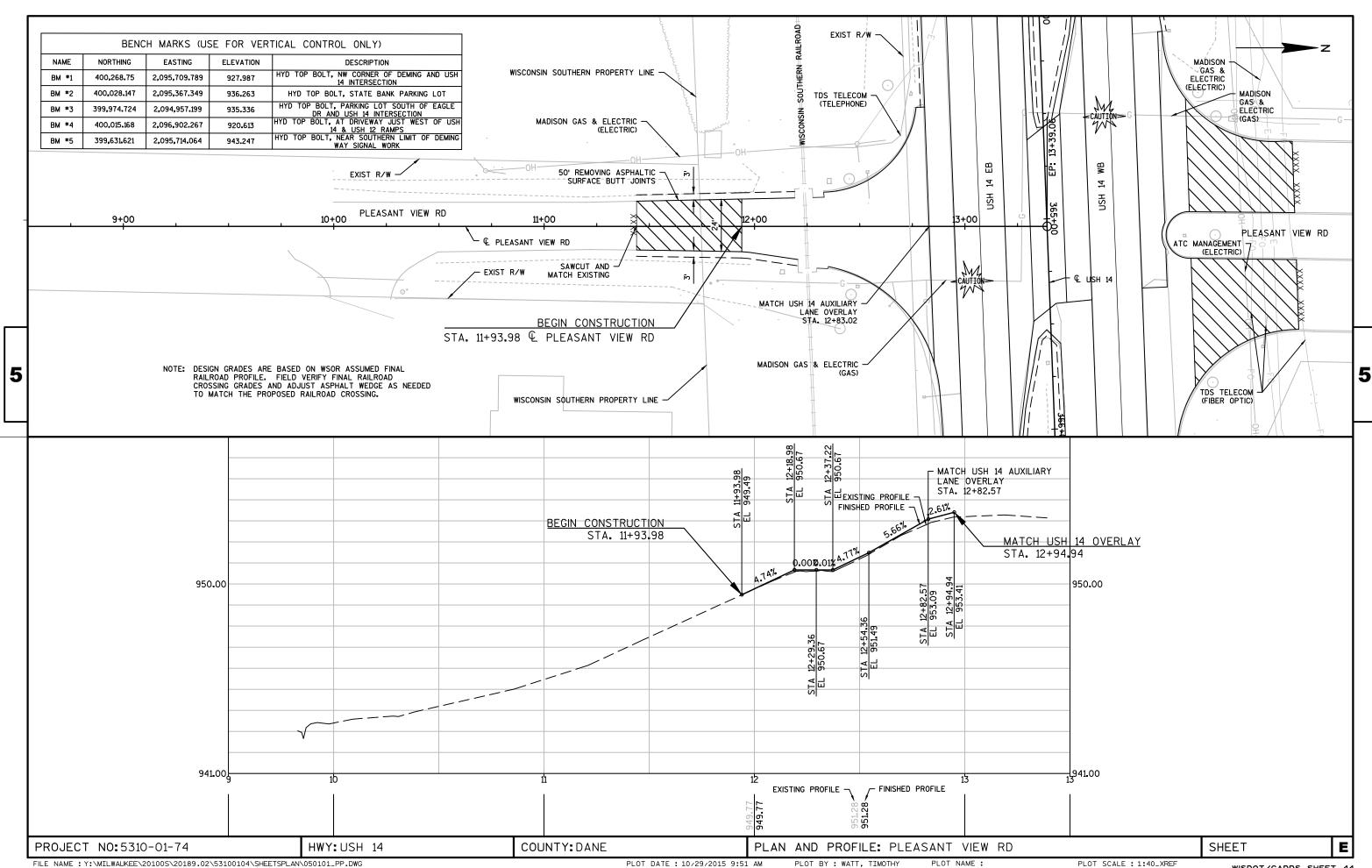
	ITEMS 650.4000	ITEMS 650.8000	ITEMS 650.8500	ITEMS 650.9910	
	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION	
	STAKING	STAKING	STAKING ELECTRICAL	STAKING SUPPLIMENTAL	
	STORM SEWER	RESURFACING	INSTALLATIONS	CONTROL	
CATEGORY 0010		REFERENCE	(5310-01-74)	(5310-01-74)	
LOCATION	(EACH)	(LF)	(LS)	(LS)	
USH 14	3	4920	1	1	
TOTALS	3	4,920	1	1	

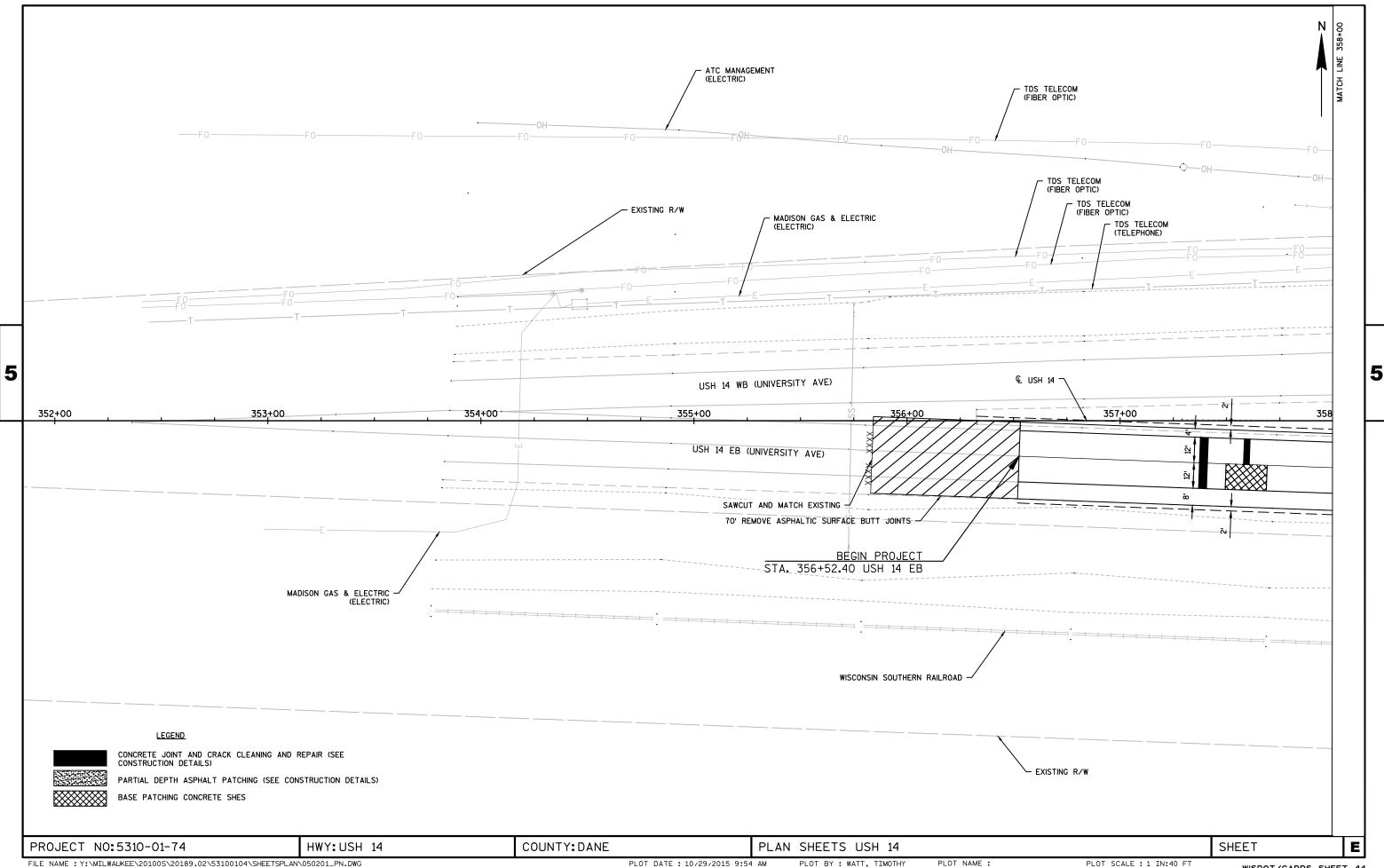
LANDMARK REFERENCE MONUMENTS SPECIAL

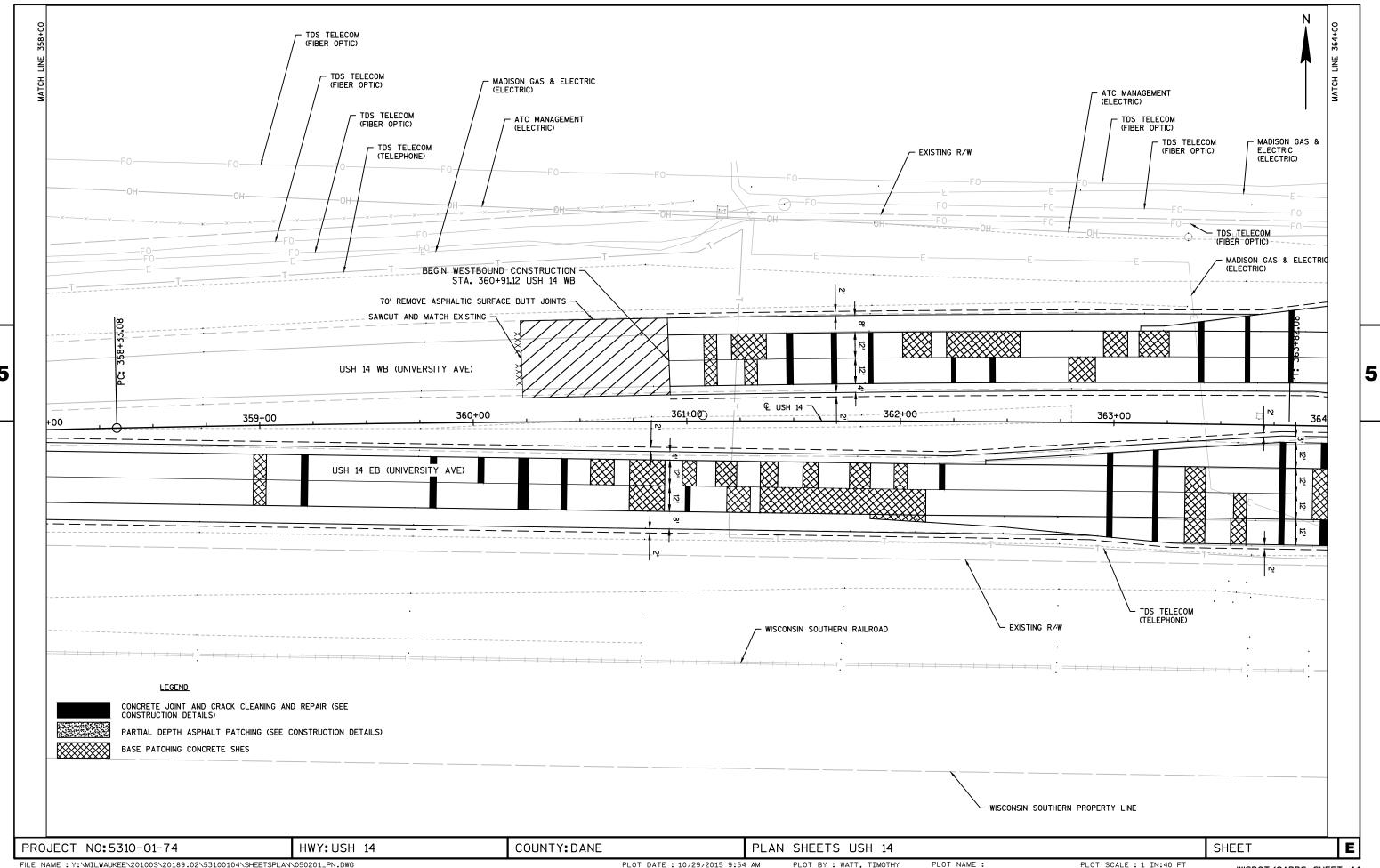
USH 14		401+05	0'	7 N	8E	EAST 1/4 CORNER SECTION 10	1
LOCATION		STATION	OFFSET	TOWNSHIP	RANGE	SECTION CORNER	(EACH)
CATEGORY	0010						SPECIAL
							MOMUMENTS
							REFERENCE
							LANDMARK
							SPV.0060.0

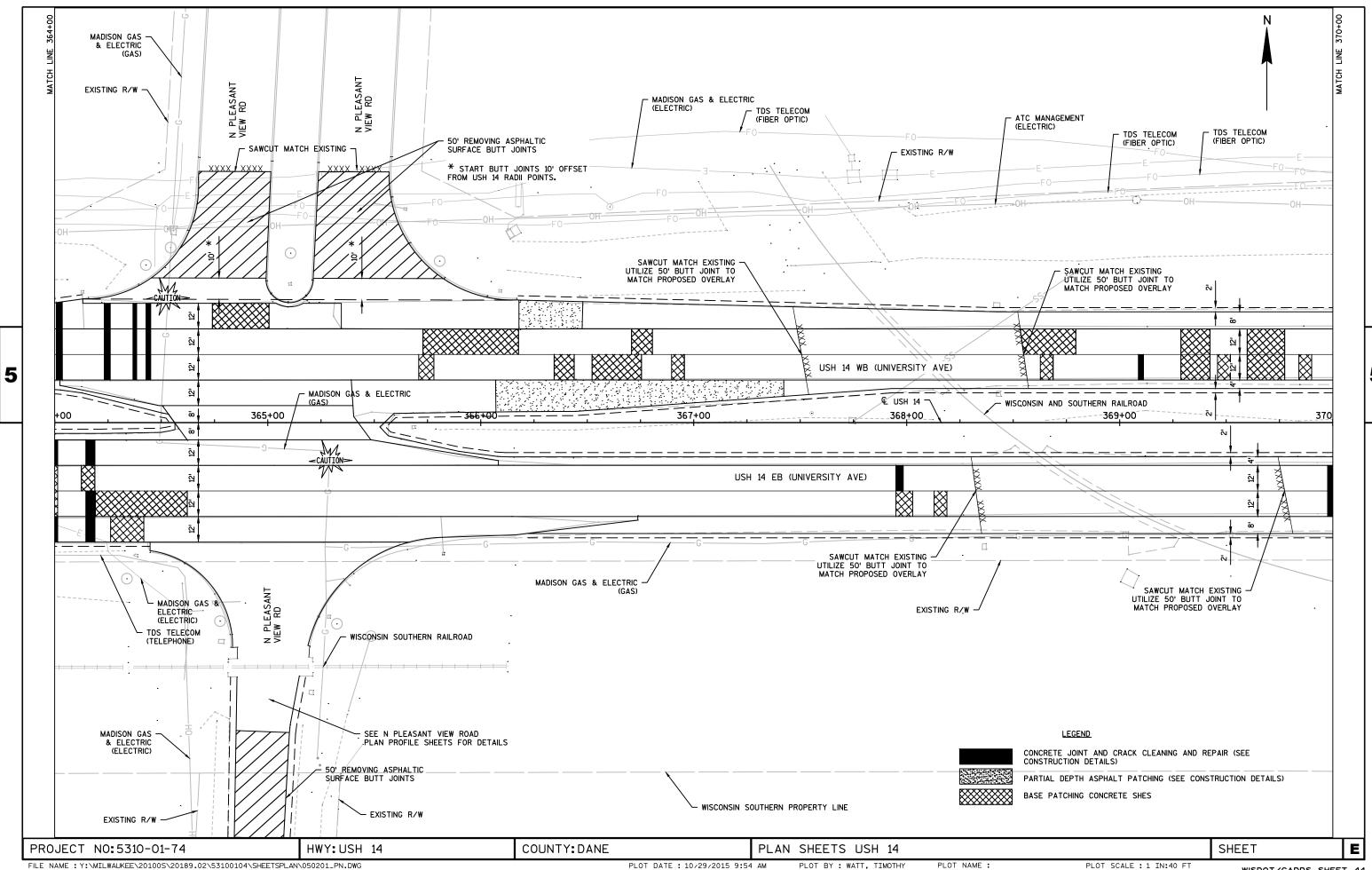
PROJECT NO: 5310-01-74 HWY: USH 14 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET E

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : ____ ORG DATE : ____ ORIGINATOR : DIST _ PLOT SCALE : 1:1



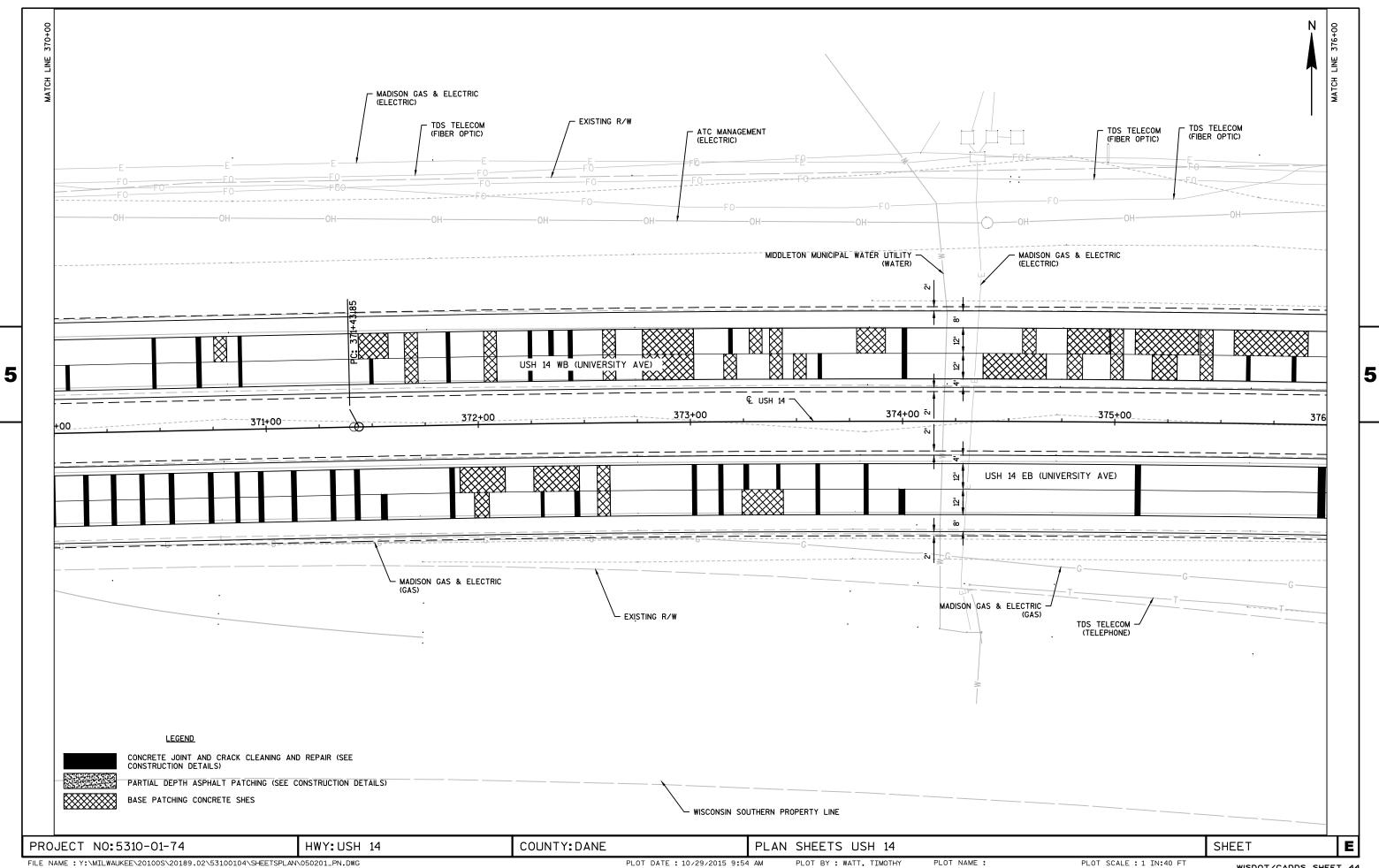


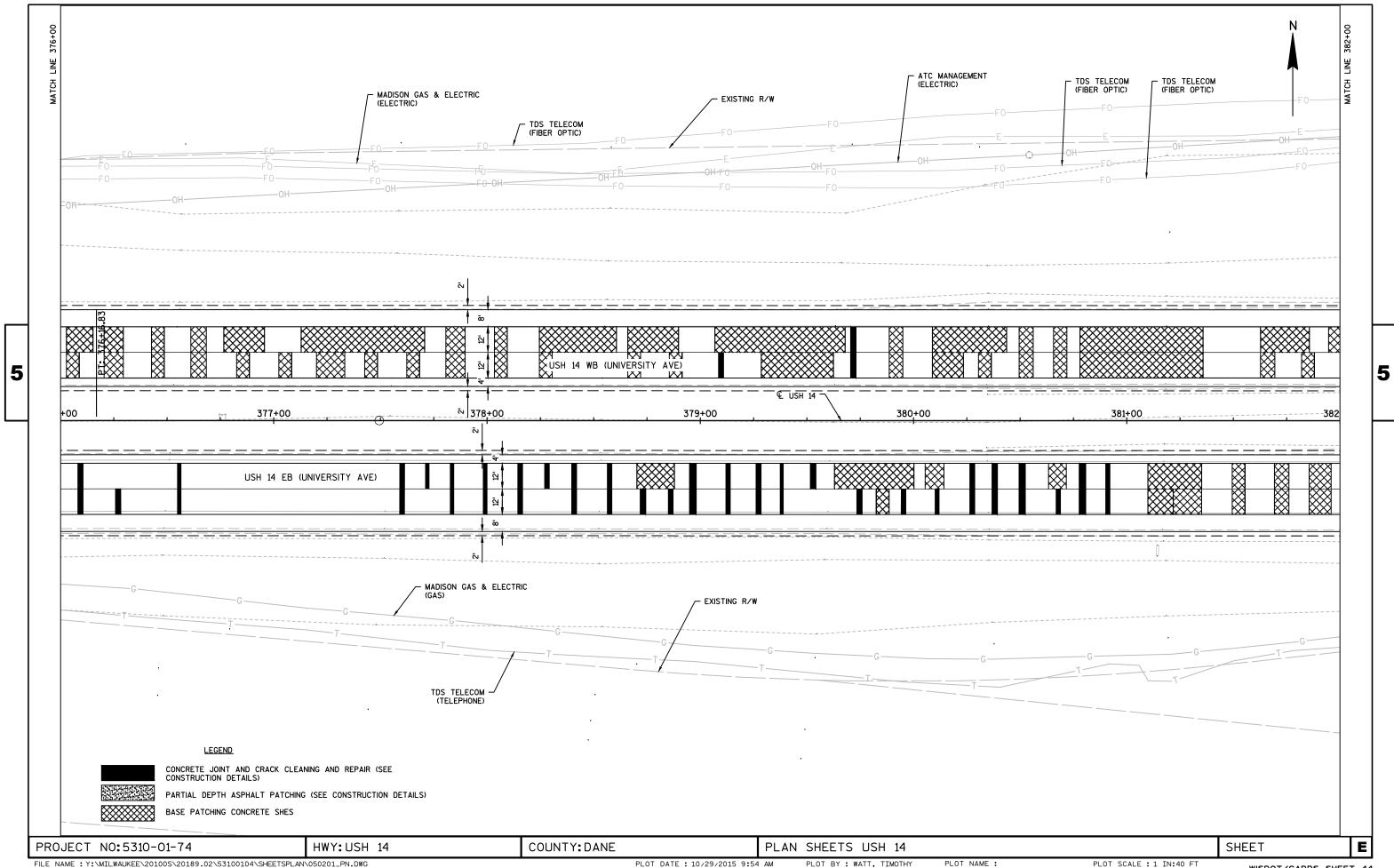


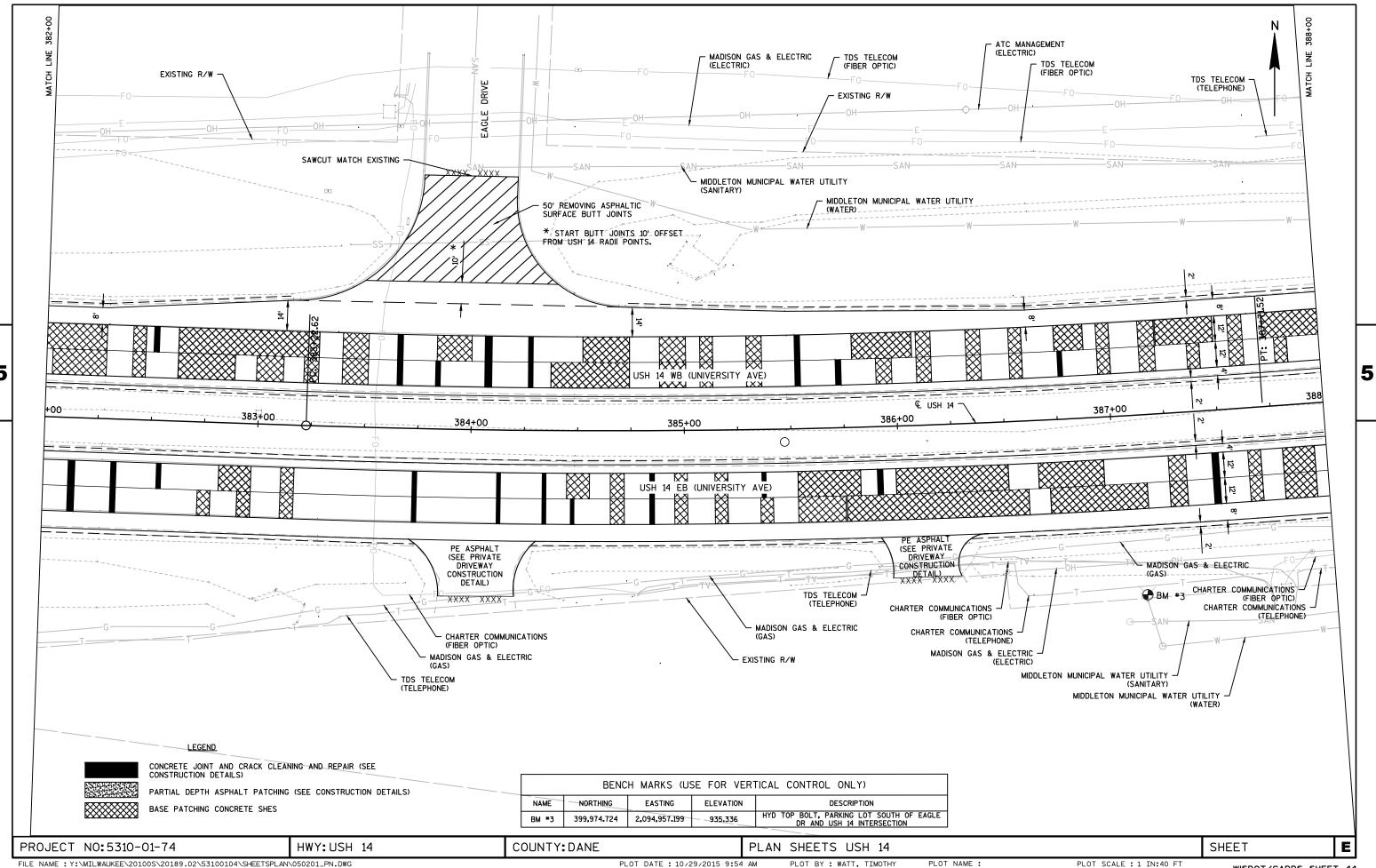


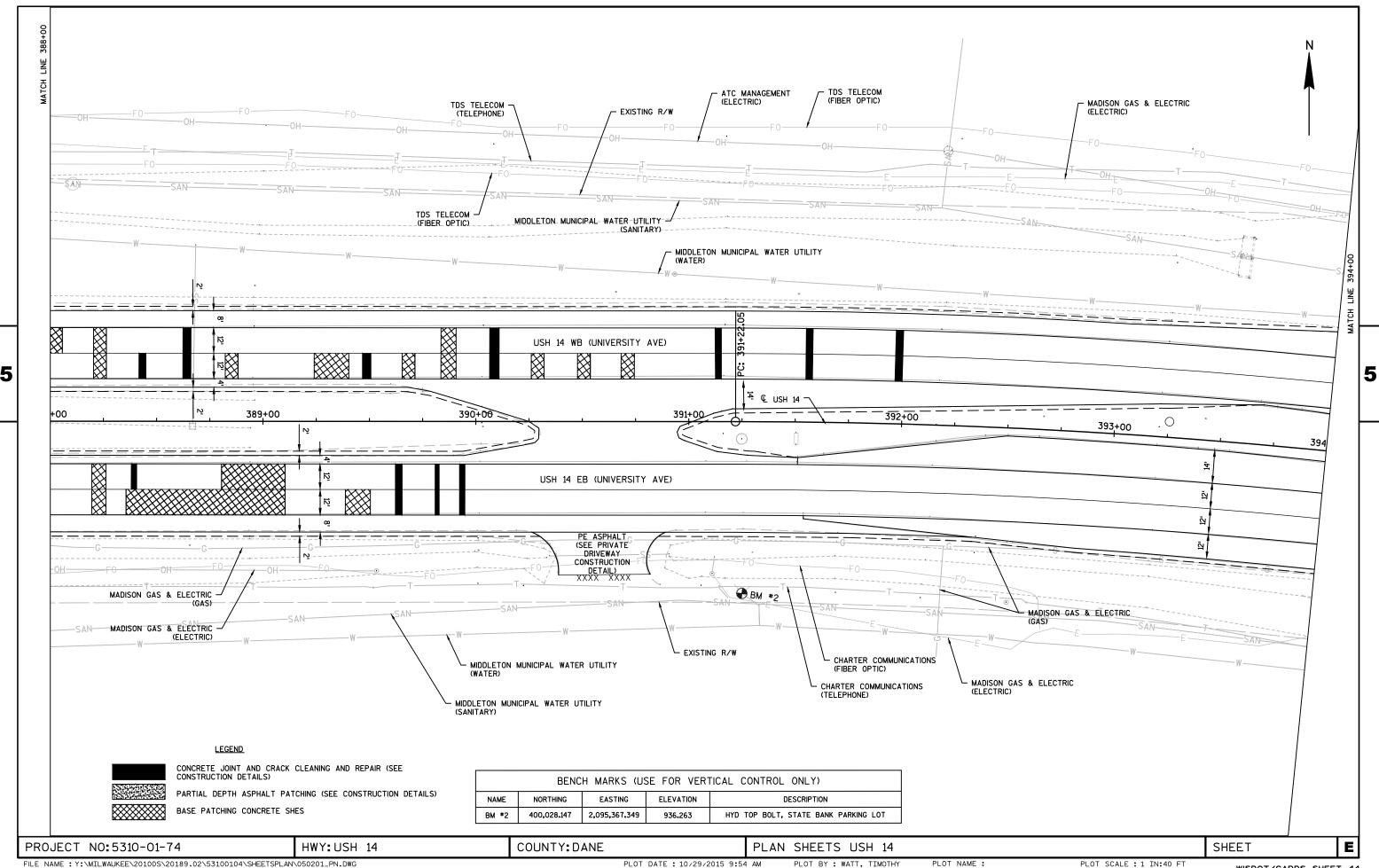
LAYOUT NAME - 050213_PN

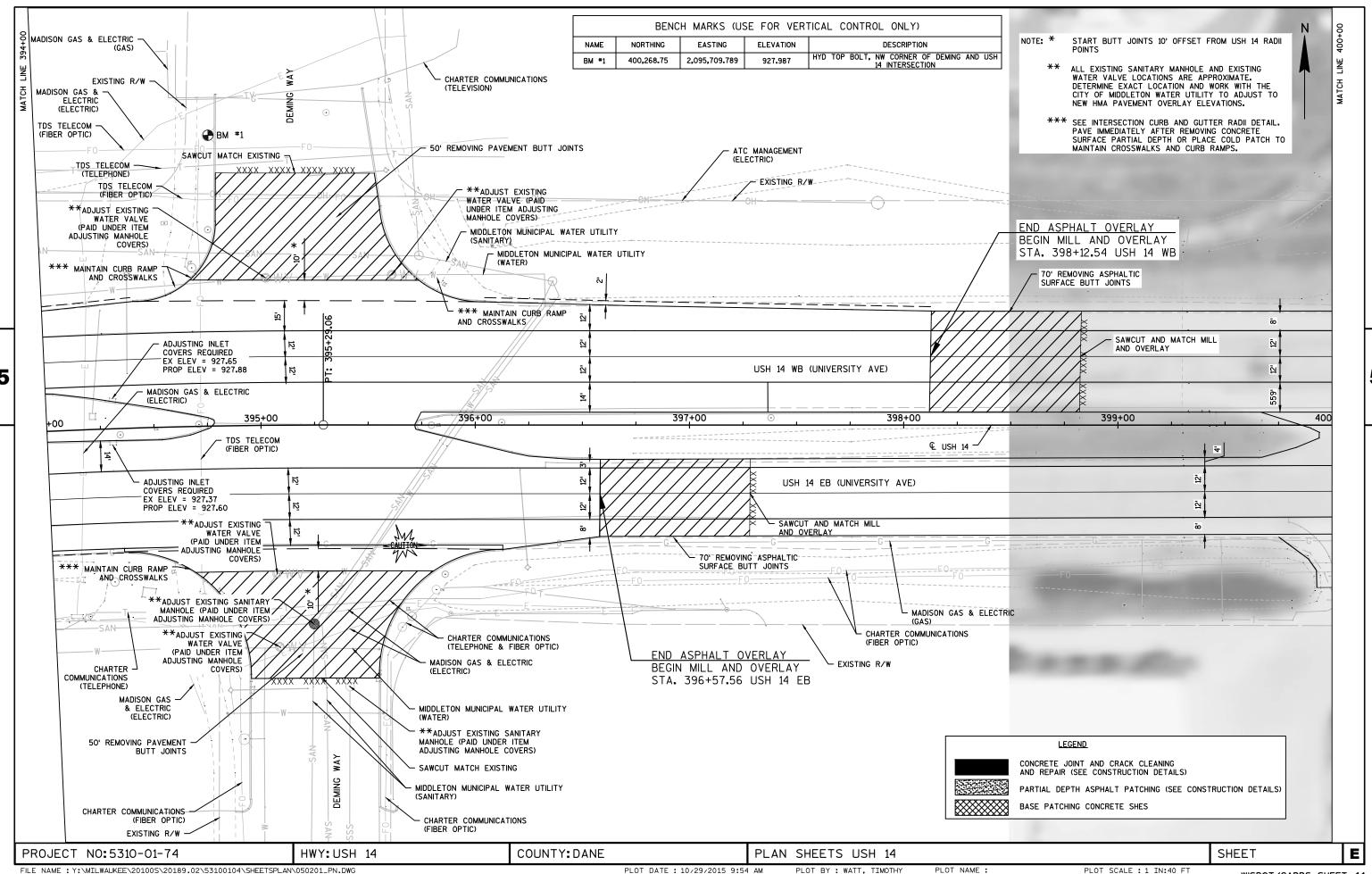
WISDOT/CADDS SHEET 44

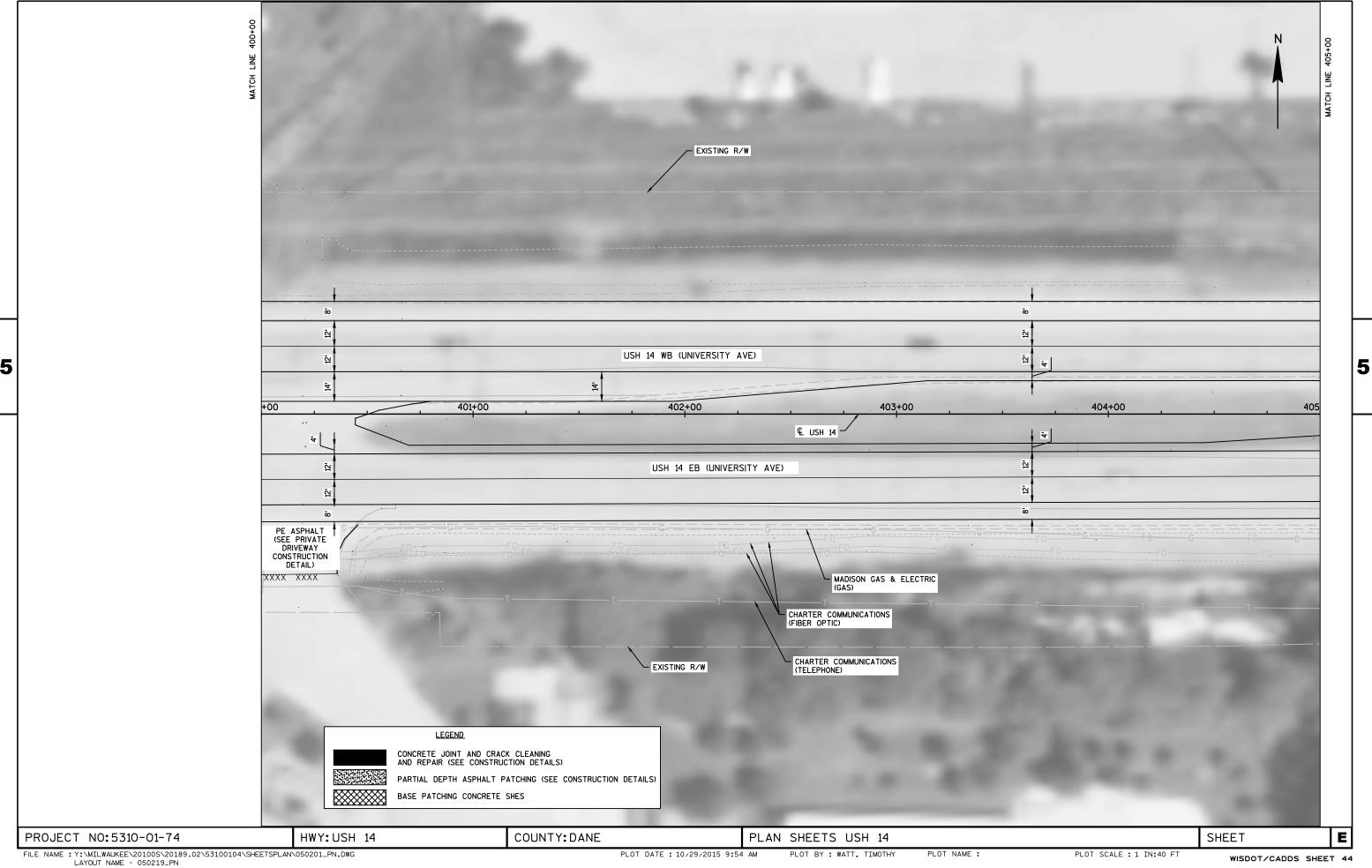


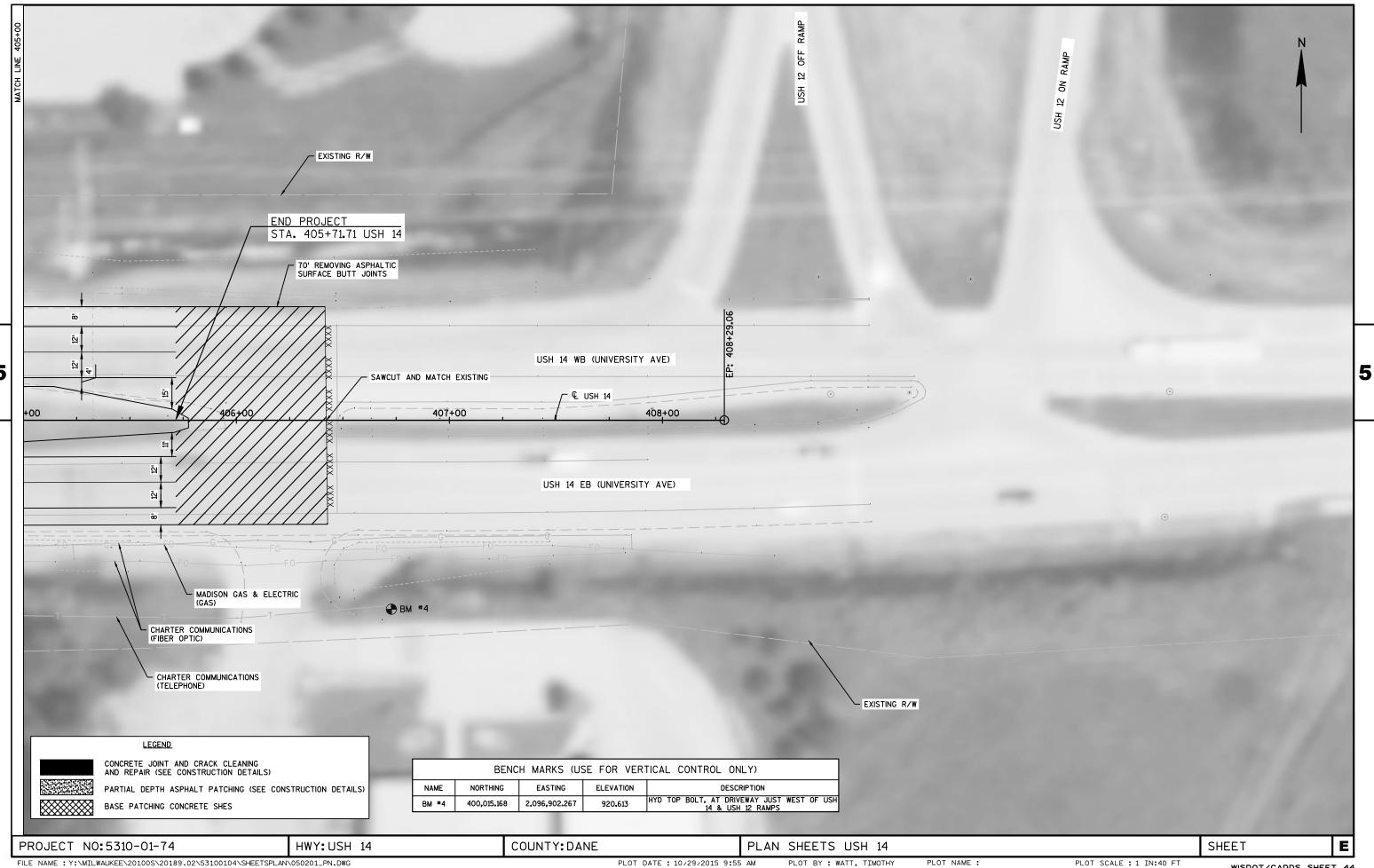








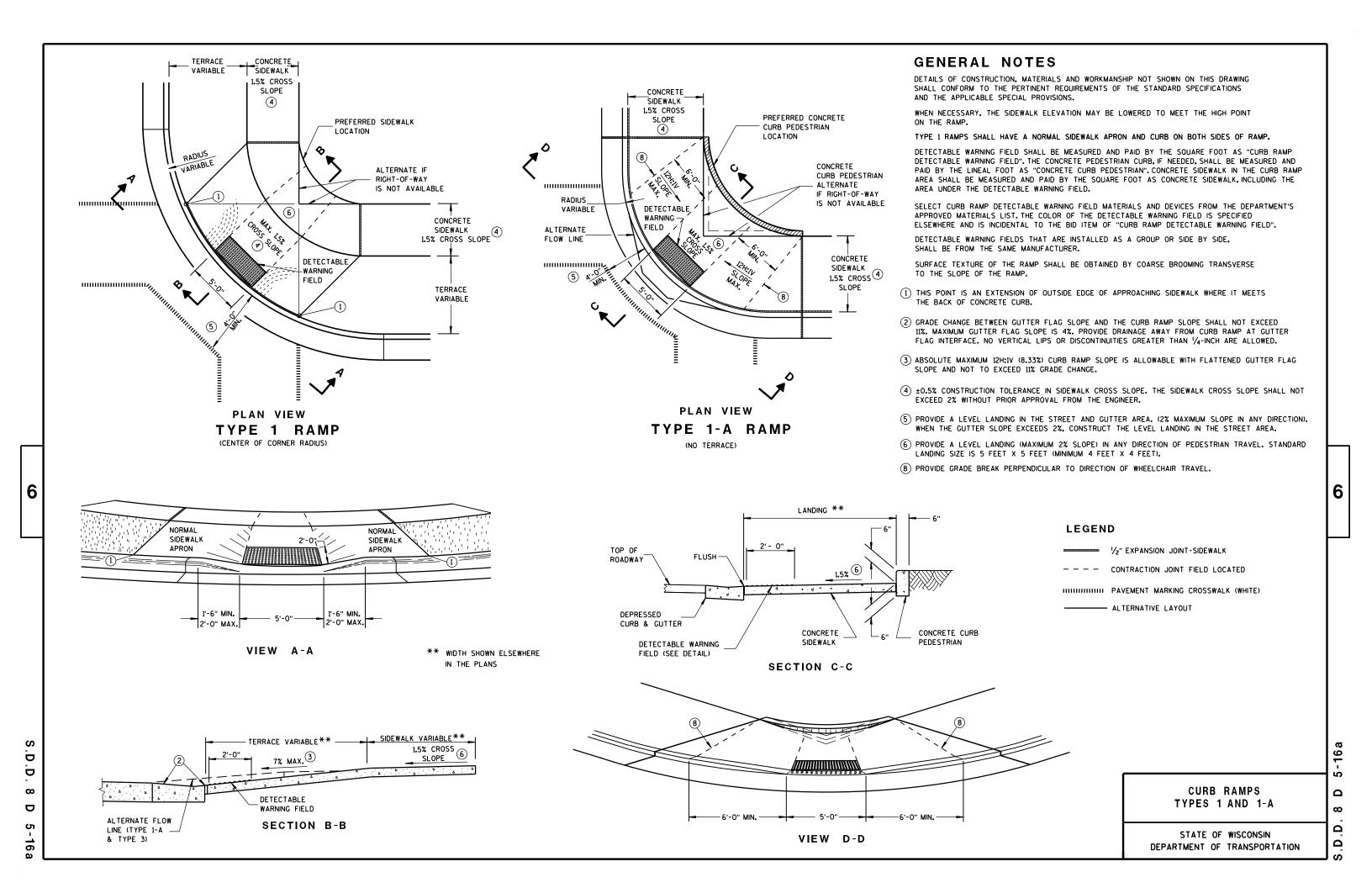


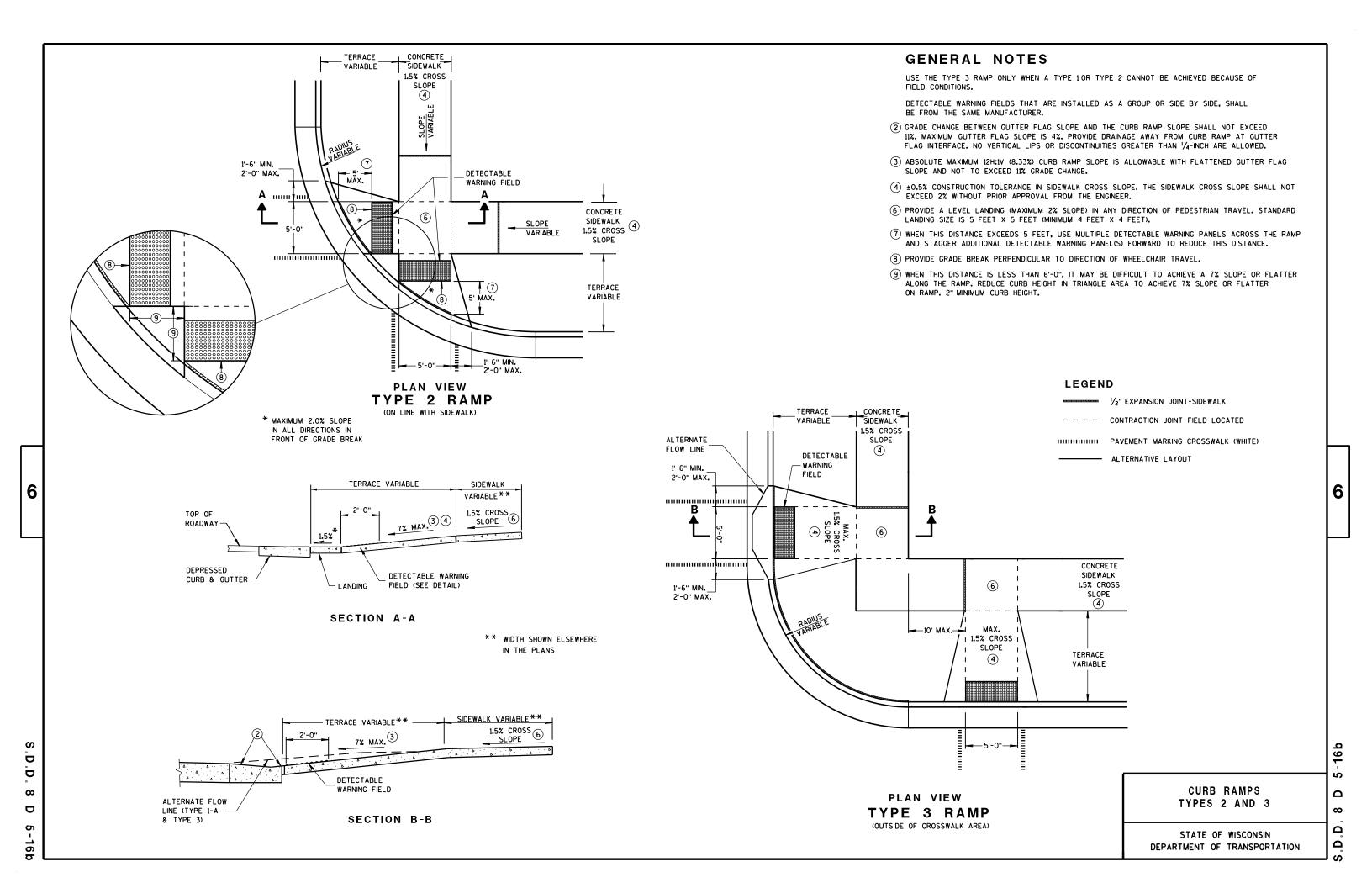


Standard Detail Drawing List

08D05-16A	CURB RAMPS TYPES 1 AND 1-A
08D05-16B	CURB RAMPS TYPES 2 AND 3
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-09	CONDUI T
09B04-11	PULL BOX
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
13C14-05A	BASE PATCHING CONCRETE
13C14-05B	BASE PATCHING CONCRETE
13C14-05C	BASE PATCHING CONCRETE
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-05A	TRAFFIC CONTROL, LANE CLOSURE
15D20-03	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-02B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-02C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-01B	ATTACHMENT OF SIGNS TO POSTS
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

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

TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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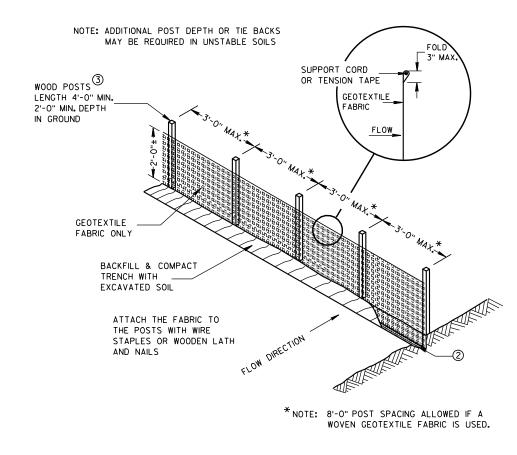
TYPICAL APPLICATION OF SILT FENCE

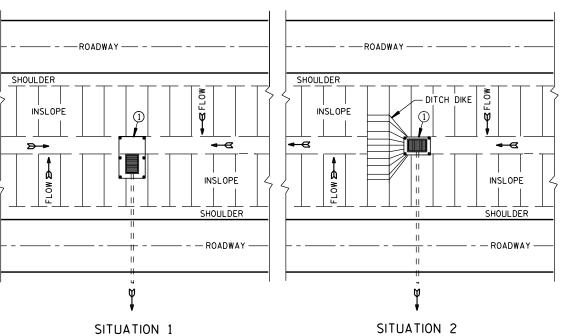
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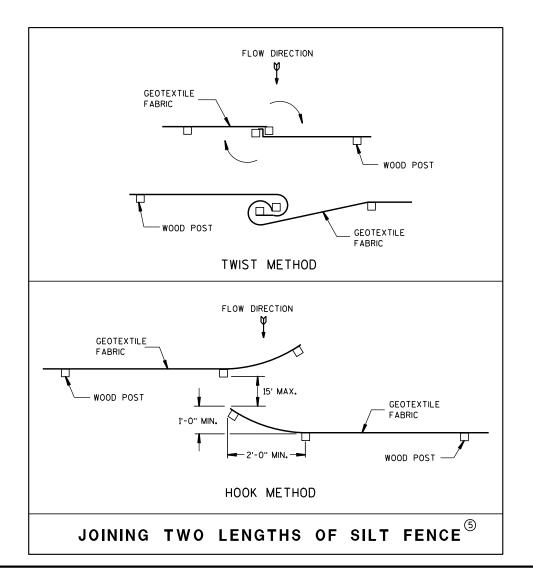
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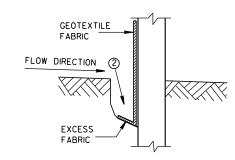
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



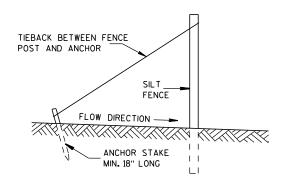
GENERAL NOTES

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

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

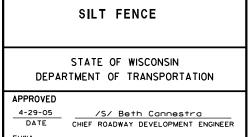


TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

S.D.D. 8 E 9-6





INLET PROTECTION, TYPE A

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

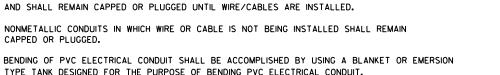
10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES

SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REIN-STALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY

GENERAL NOTES

AND 36 INCHES MAXIMUM.

OF THE ENGINEER.

CAPPED OR PLUGGED.

MINIMUM AND 36 INCHES MAXIMUM.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

BOTTOM OF ¼" HOLE PVC CONDUIT-CONDUIT TRENCH FOR DRAINAGE NO. 2 COARSE AGGREGATE FILL —1'-0" DIA. OR SQUARE —>

NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

BOTTOM OF

CONDUIT TRENCH

NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT

1'-0" DIA. OR SQUARE ──➤

METALLIC CONDUIT-

1" DIA. X 6"

NIPPLE

NO. 2 COARSE

AGGREGATE FILL

ARROW MARK SHALL BE INSCRIBED IN PAVEMENT SURFACE 1/4" TO 3/8"

DEEP AT EACH LOCATION WHERE CONDUITS ARE PLACED UNDER

PLAN VIEW

ARROW MARK

CONDUIT

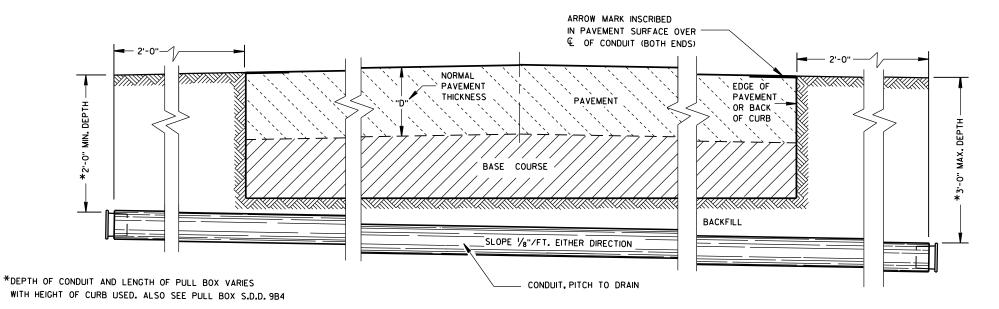
THE PAVEMENT

EDGE OF

PAVEMENT OR BACK

OF CURB

DRAIN SUMP FOR PVC CONDUIT



SIDE ELEVATION DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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APPROVED /S/ Ahmet Demirbilek June. 2015 DATE STATE ELECTRICAL ENGINEER

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FHWA

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	Α	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	В	24	30	36	24	30	36	36	42	48
WALL THICKNESS	С	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	Ε	14 1/2	14 1/2	14 1/2	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 ½	14 1/2	20 ½	20 ½	20 ½
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 ½	23 ½	23 ½
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

- * THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.
- NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

6" MAX. **EXTENSION** TOP OF ORIGINAL CORRUGATED PIPE (3) BOLTS, NUTS & LOCKWASHERS REQUIRED

ELECTRIC

FINAL GRADE

ALL METALLIC CONDUIT

AND THREADED

CUT OPENINGS

THE FIELD

2" PVC PIPE CAP ON BOTH ENDS

WITH 7, 8 1/4" HOLES DRILLED

IN EACH END.

PULL BOX

AS REQUIRED IN

ENDS SHALL BE REAMED

ALL CONDUIT PITCHED

4 TO 8 BRICKS

EQUALLY SPACED

TO DRAIN TO PULL BOXES

2" DRAIN DUCT TO

DITCH OR SEWER

WHEN SPECIFIED

CORRUGATED PIPE EXTENDER

HEAVY DUTY FRAME -

6" MIN.

(TYP.)

AND COVER

WHEN A PULL BOX IS INSTALLED IN CRUSHED

AGGREGATE SHOULDERS, PLACE IT 2-3

2-3 INCHES OF CRUSHED AGGREGATE

NO. 2 COARSE

(SEE SECTION 501

OF THE STANDARD

WIRE AND/OR CABLE.

INSTALL END BELLS (U.L. LISTED FOR

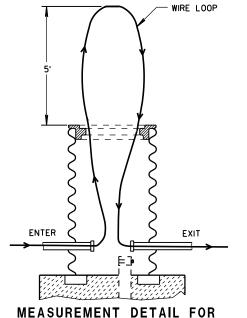
CONDUIT BEFORE INSTALLATION OF

ELECTRICAL USE) ON ALL NONMETALLIC

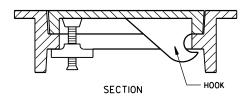
SPECIFICATIONS)

AGGREGATE

INCHES BELOW GRADE AND COVER IT WITH

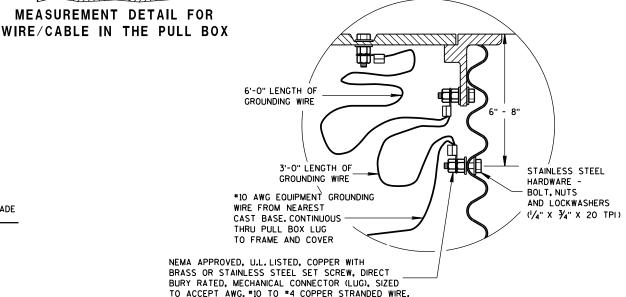


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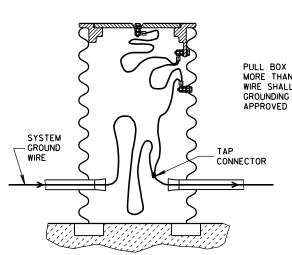


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

PULL BOX

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 /S/ Ahmet Demirbilek DATE STATE ELECTRICAL ENGINEER FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED. SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TRAFFIC LOADS.

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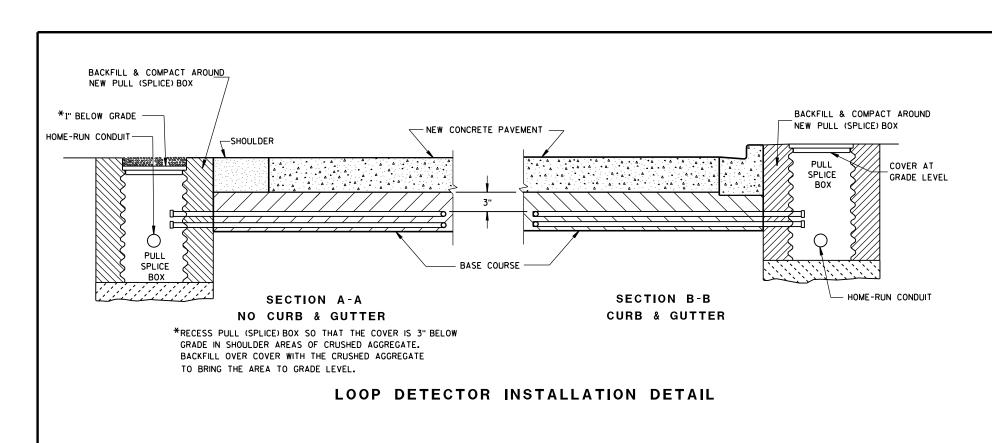
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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT *12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER.REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE *12 AWG.LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE *12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

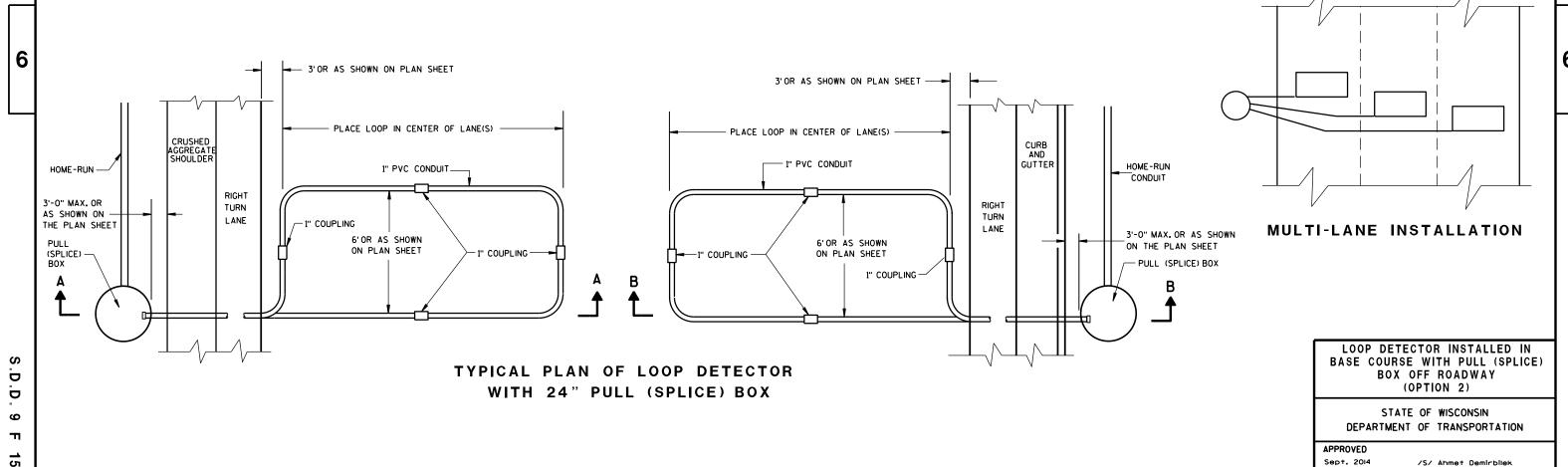
PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.

DATE

FHWA

STATE ELECTRICAL ENGINEER



S.D.D. 9 F 15-4b

PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

1) DOWEL BARS MIGHT NOT EXIST.

FULL DEPTH

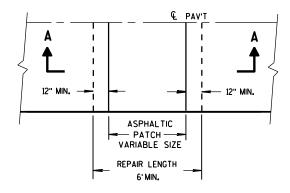
FULL DEPTH REPAIR

BOUNDARIES OF

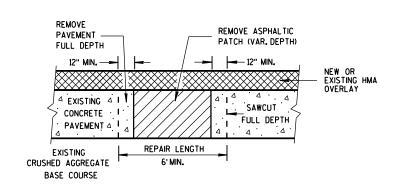
WIDTH

SAWCUT.

REPAIR LENGTH

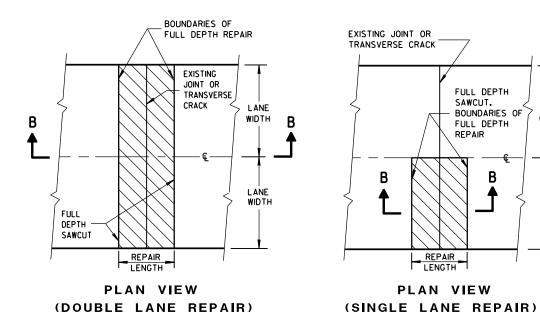


PLAN VIEW

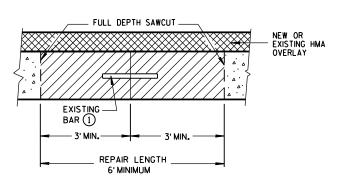


SECTION A-A

HMA PATCH REMOVAL



FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B-B

CONCRETE REMOVAL

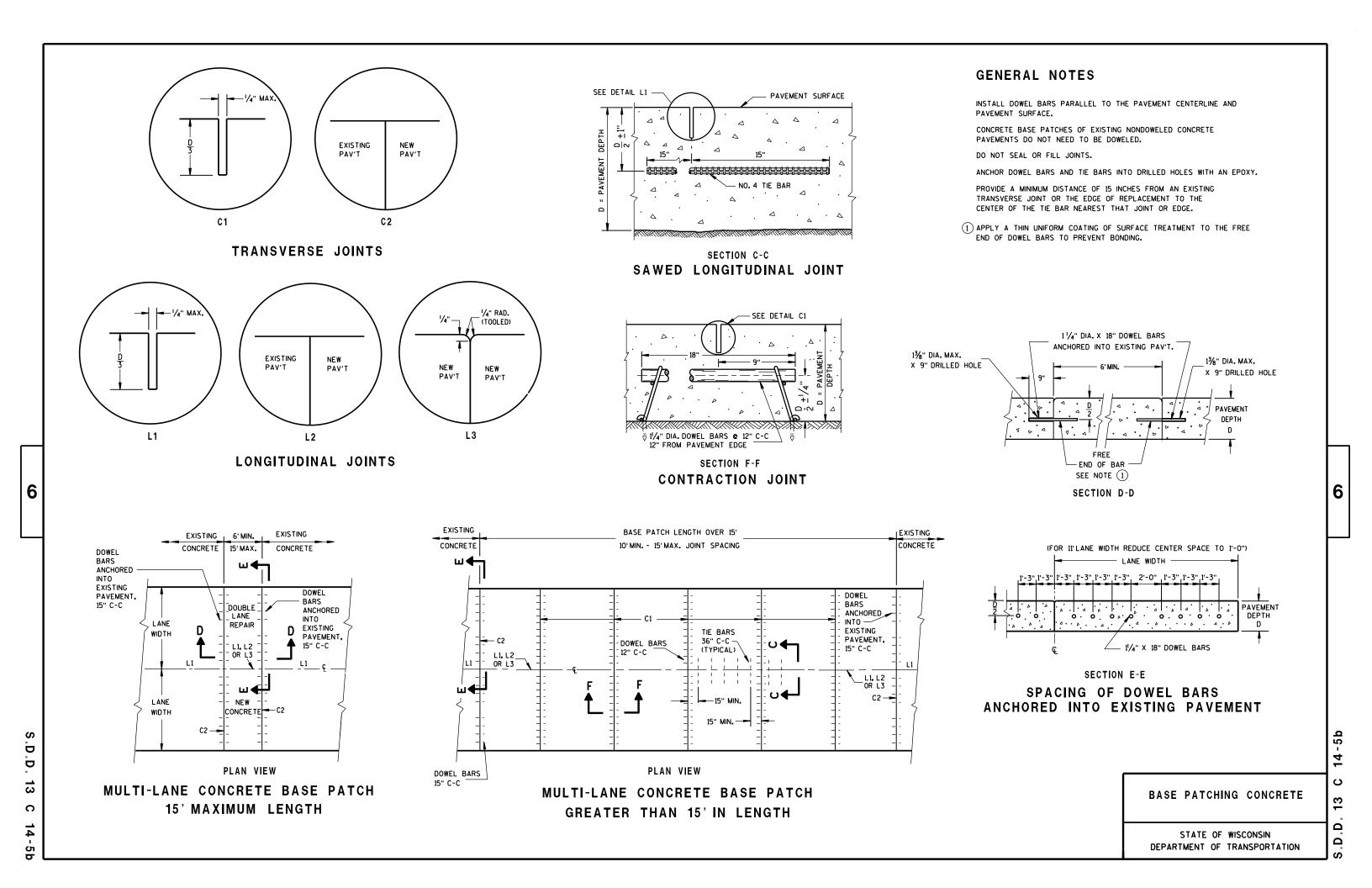
BASE PATCHING CONCRETE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

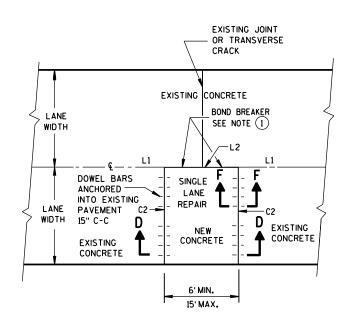
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TIE BARS ANCHORED INTO EXISTING PAVEMENT



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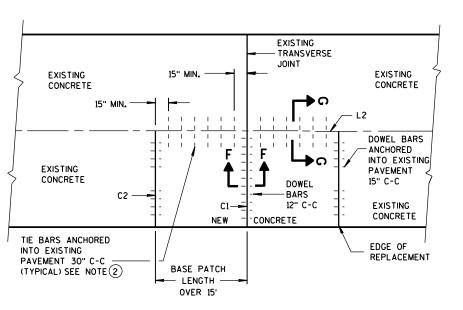
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PLAN VIEW SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

GENERAL NOTES

- 1 USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.
- 2) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- 3 ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

BASE PATCHING CONCRETE

APPROVED June, 2015

/S/ Peter Kemp, P.E. DATE PAVEMENT SUPERVISOR FHWA

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THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

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 THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES 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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
RI1-2 SHALL BE 48" X 30".
RI1-4 AND RI1-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

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WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

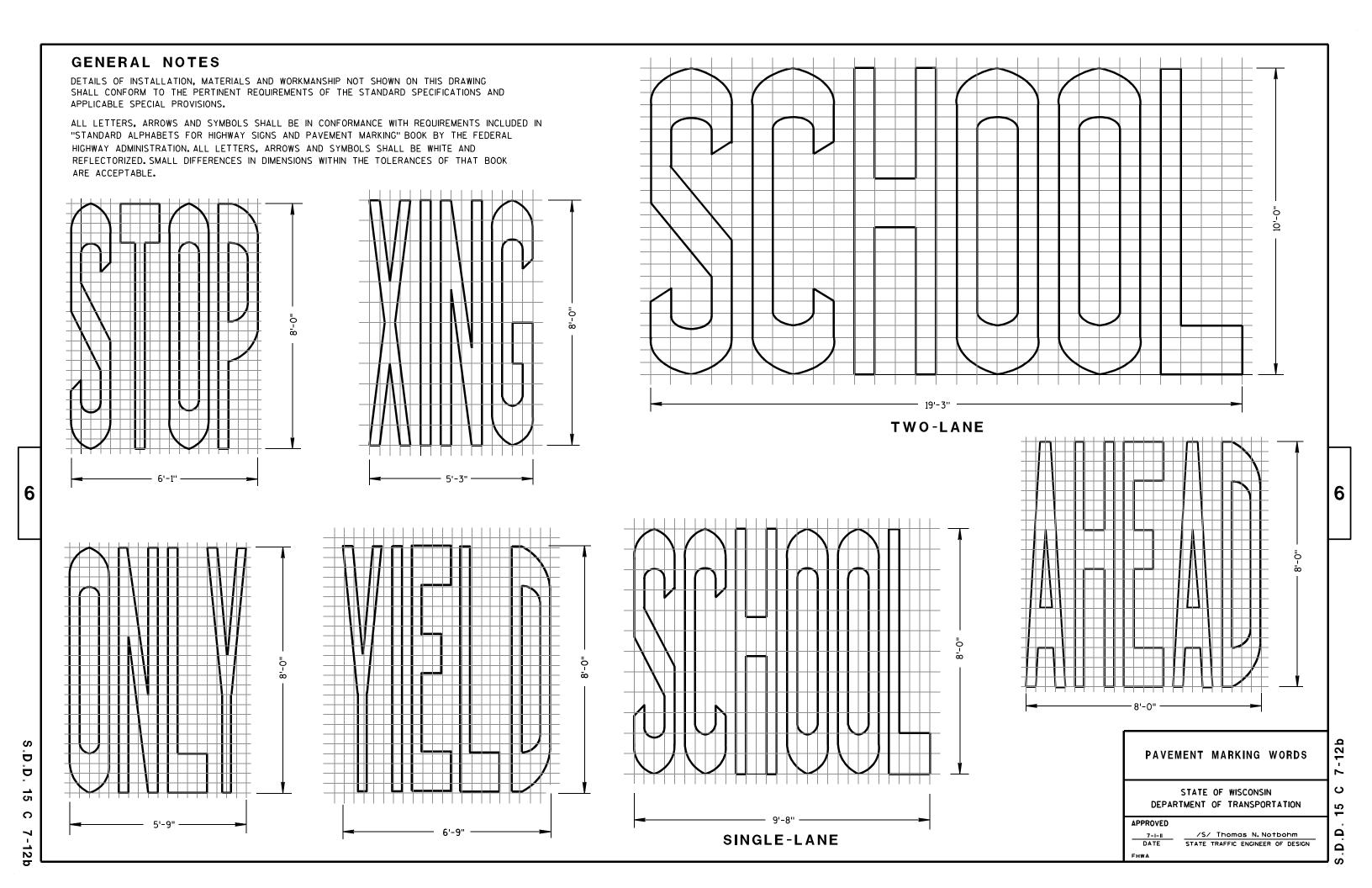
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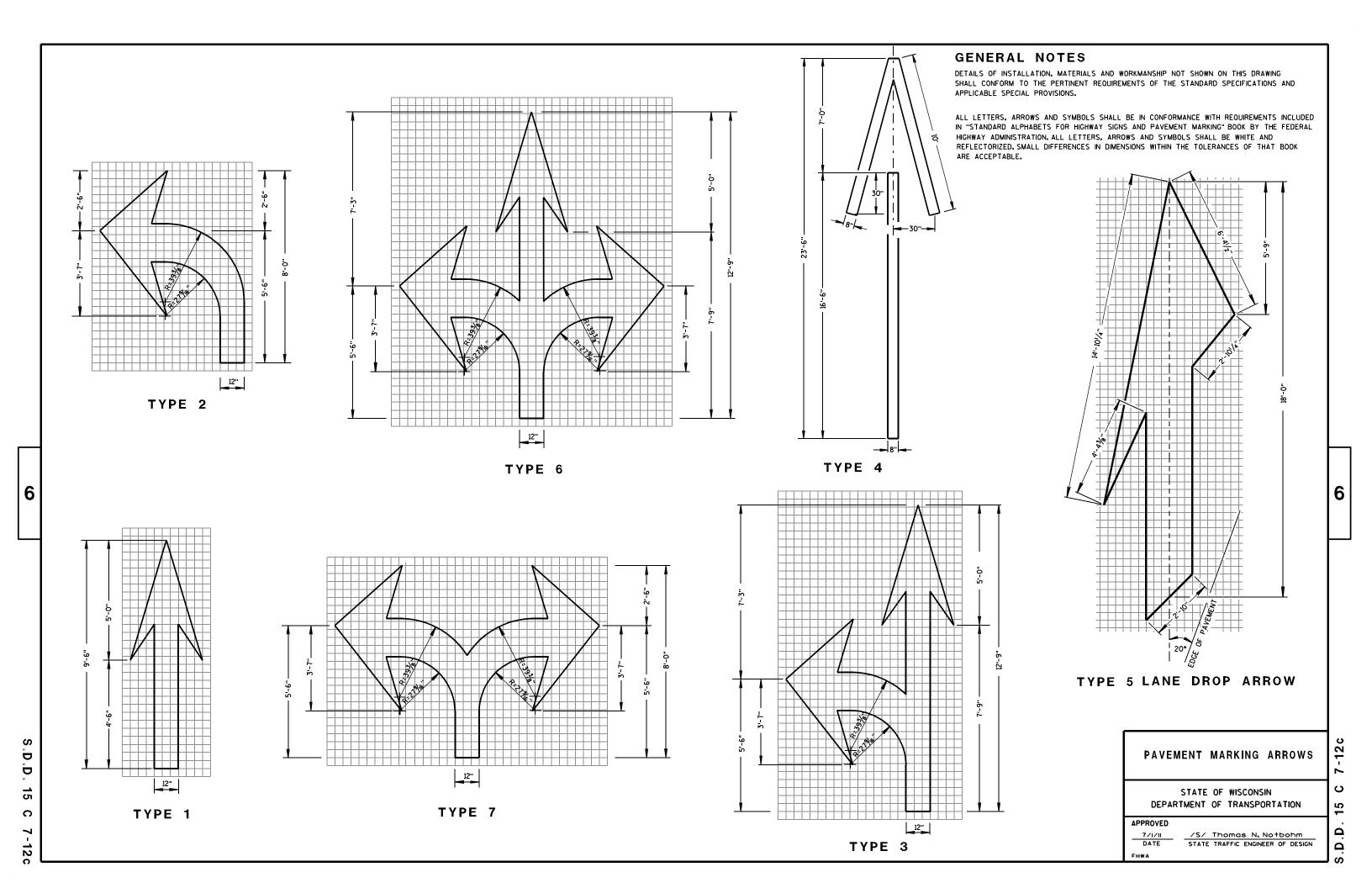
APPROVED

8/2013 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN

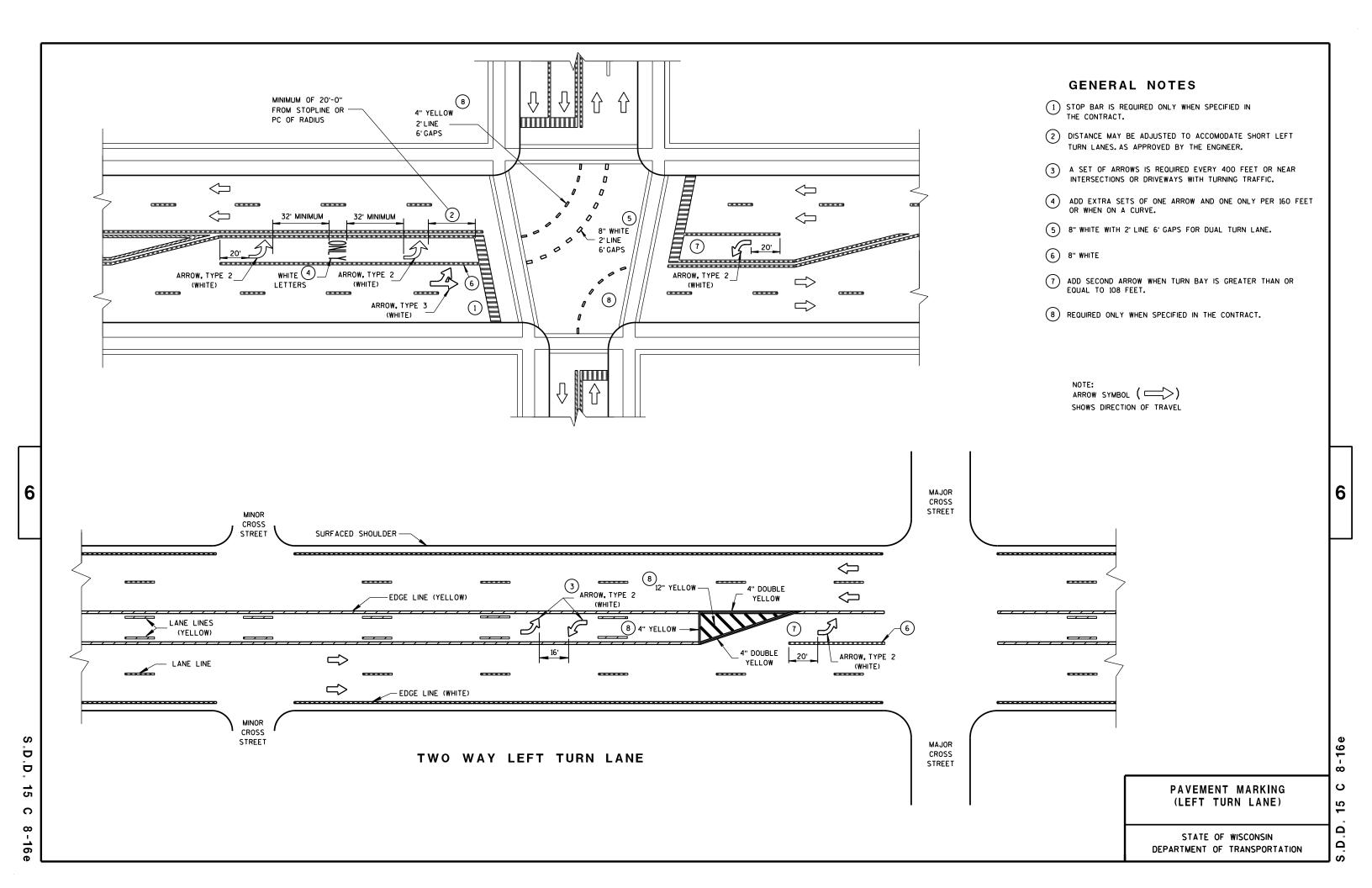
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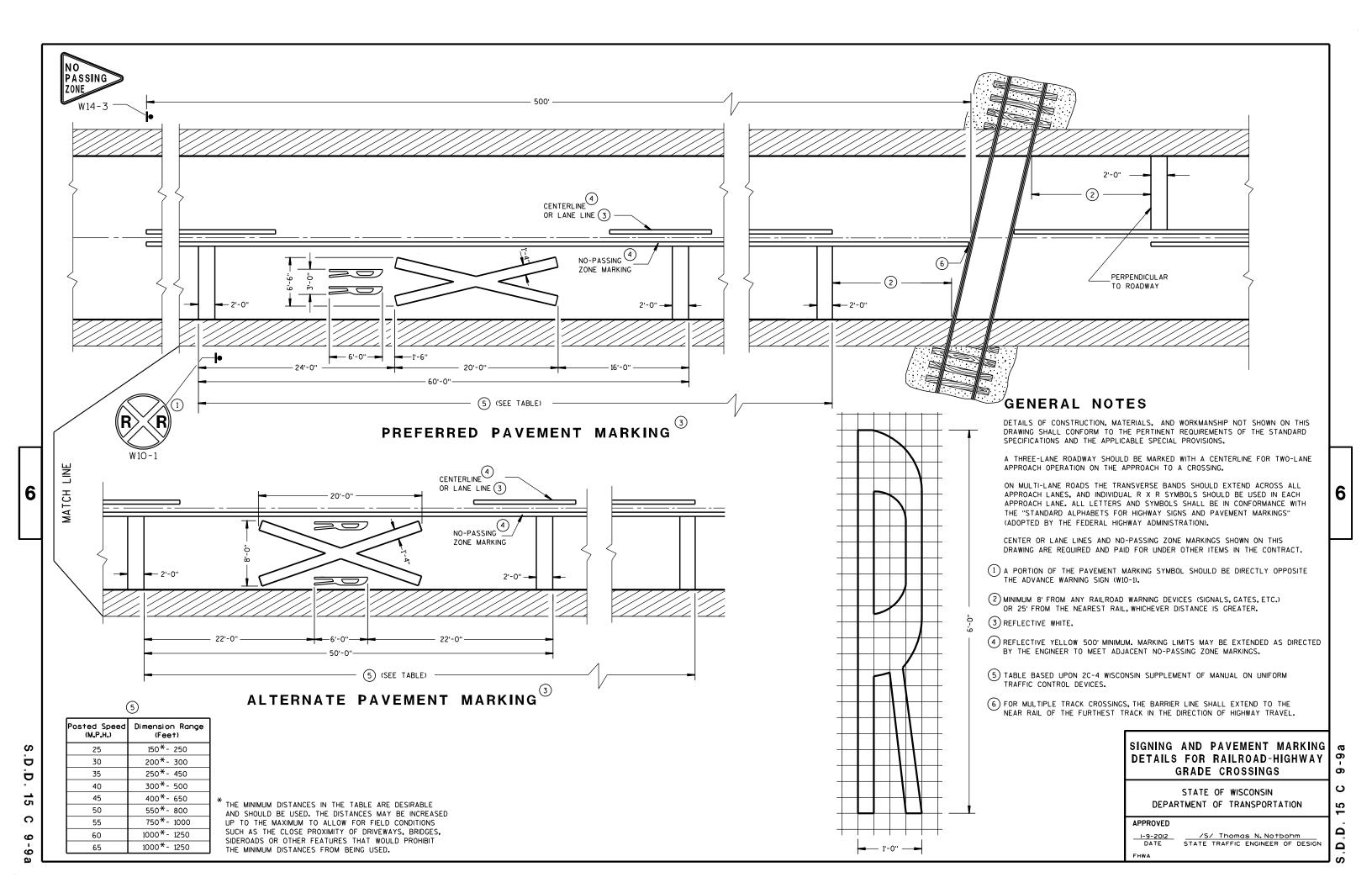


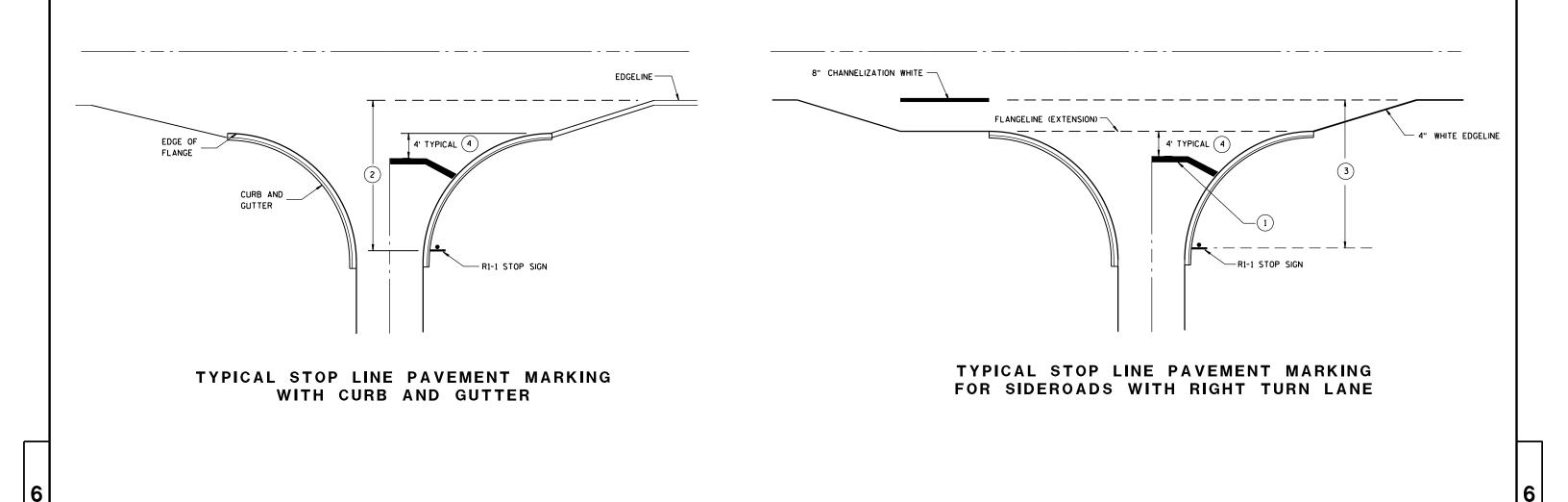


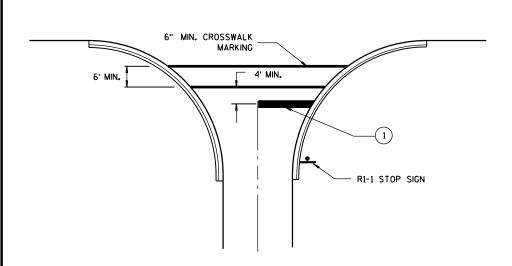




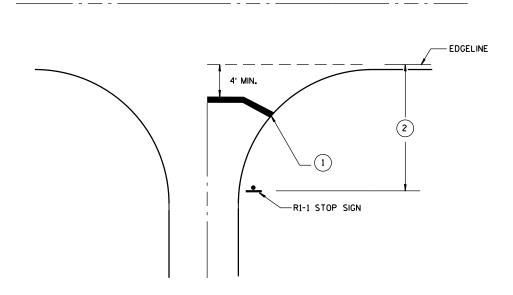








TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

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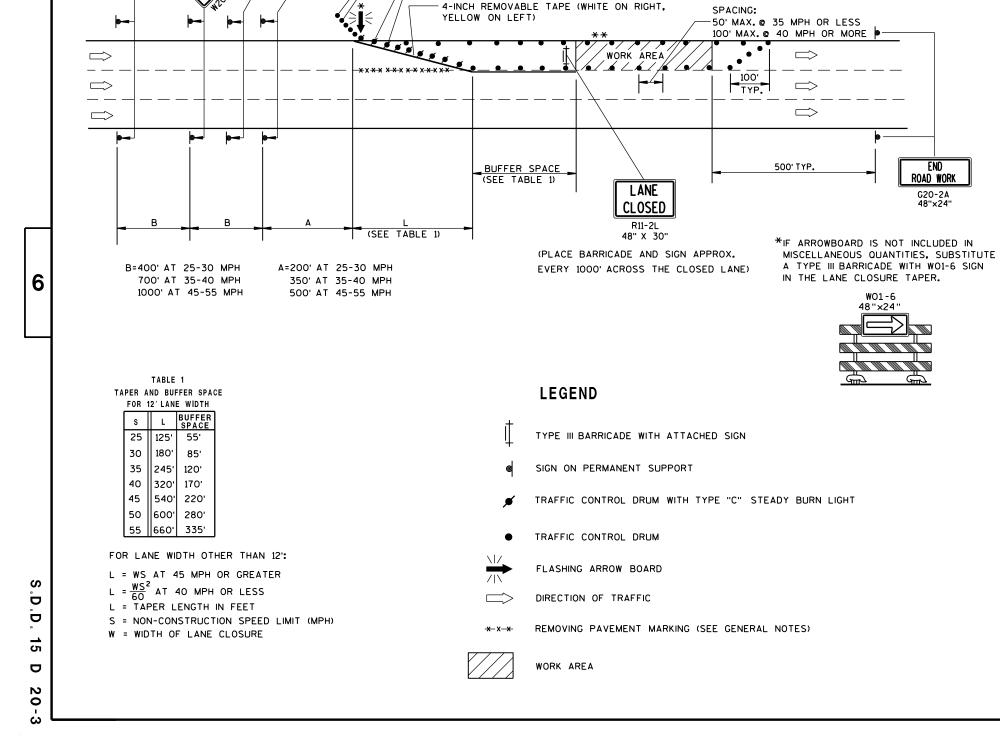
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4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

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GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING OPERATION. SIGN ON PERMENENT SUPPORT IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. 6 6 WORK CLOSED CLOSED I MILE 1500 F XX м.Р.н 36"×36' IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow \Rightarrow WORK AREA 50' 350' 500' MIN. - 800' DESIRABLE 575 TAPER 500 50 MPH - 600' 55 MPH - 660' 2600' 1600' 1000' 65 MPH - 780' TRAFFIC CONTROL, 2 D LANE CLOSURE 5 DRUMS SPACED @ 10' INTERVALS AS 2 Ö NEEDED IN FRONT OF ARROW BOARD 15 Δ STATE OF WISCONSIN ADVANCED WARNING AREA TRANSITION AREA **BUFFER SPACE** DEPARTMENT OF TRANSPORTATION D **APPROVED** /S/ Travis Feltes N Feb. 2015 STATE TRAFFIC ENGINEER OF DESIGN Ω FHWA





(5) DRUMS SPACED @ 10'

INTERVALS AS NEEDED IN

FRONT OF ARROW BOARD

25'@ 35 MPH OR LESS

50'@ 40 MPH OR MORE

TEMPORARY PAVEMENT MARKING.

SPACING:

ROAD WORK

NEXT___MILES

G20-1

60" X 24"

CLOSED

AHEAD

AHEAD

GENERAL NOTES

**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE

ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL

W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF

IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC

TRAFFIC, IN ADVANCE OF THE WORK AREA.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

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 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 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.

W2O-1, G2O-1 AND G2O-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

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 TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

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.

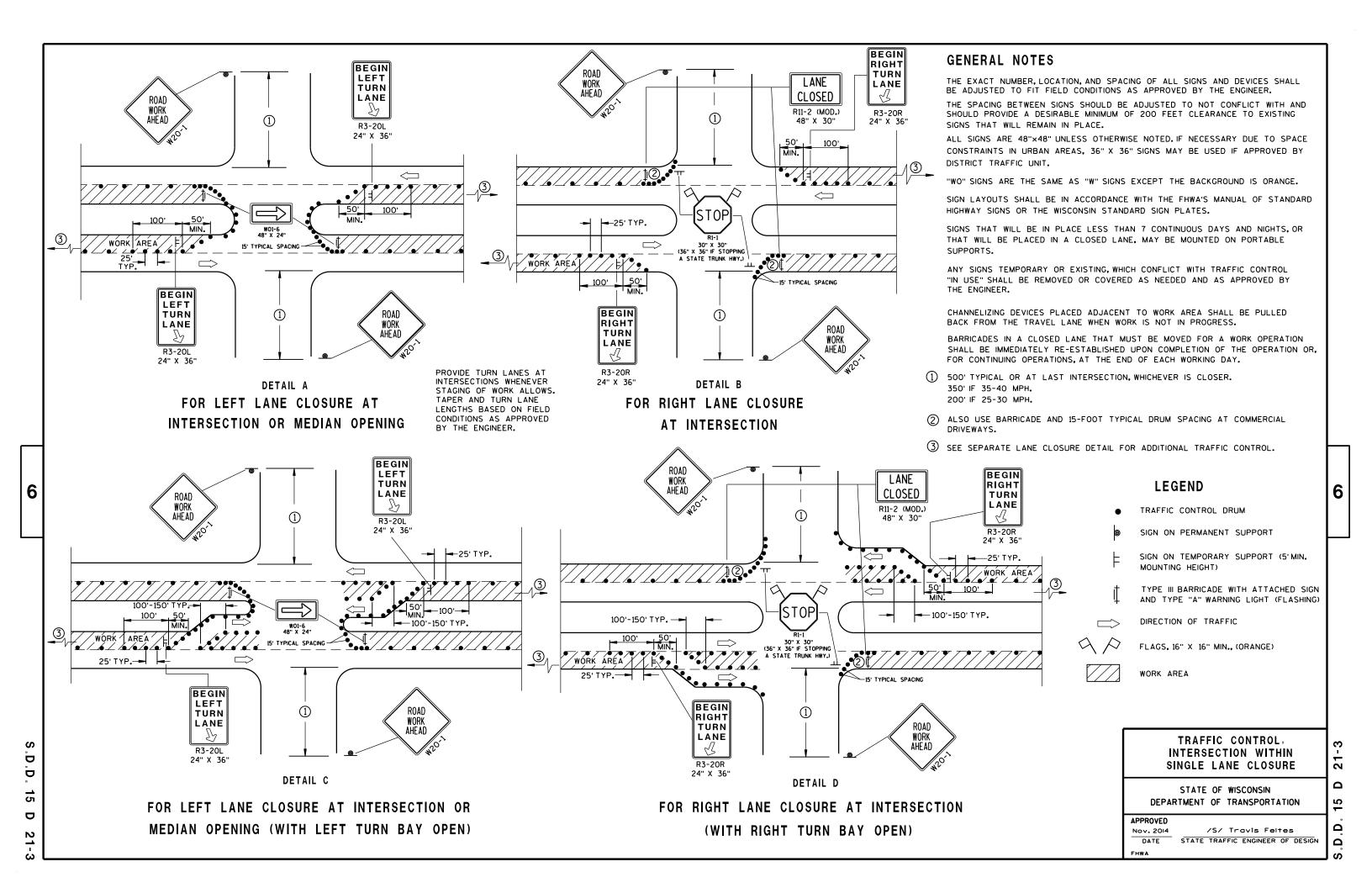
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

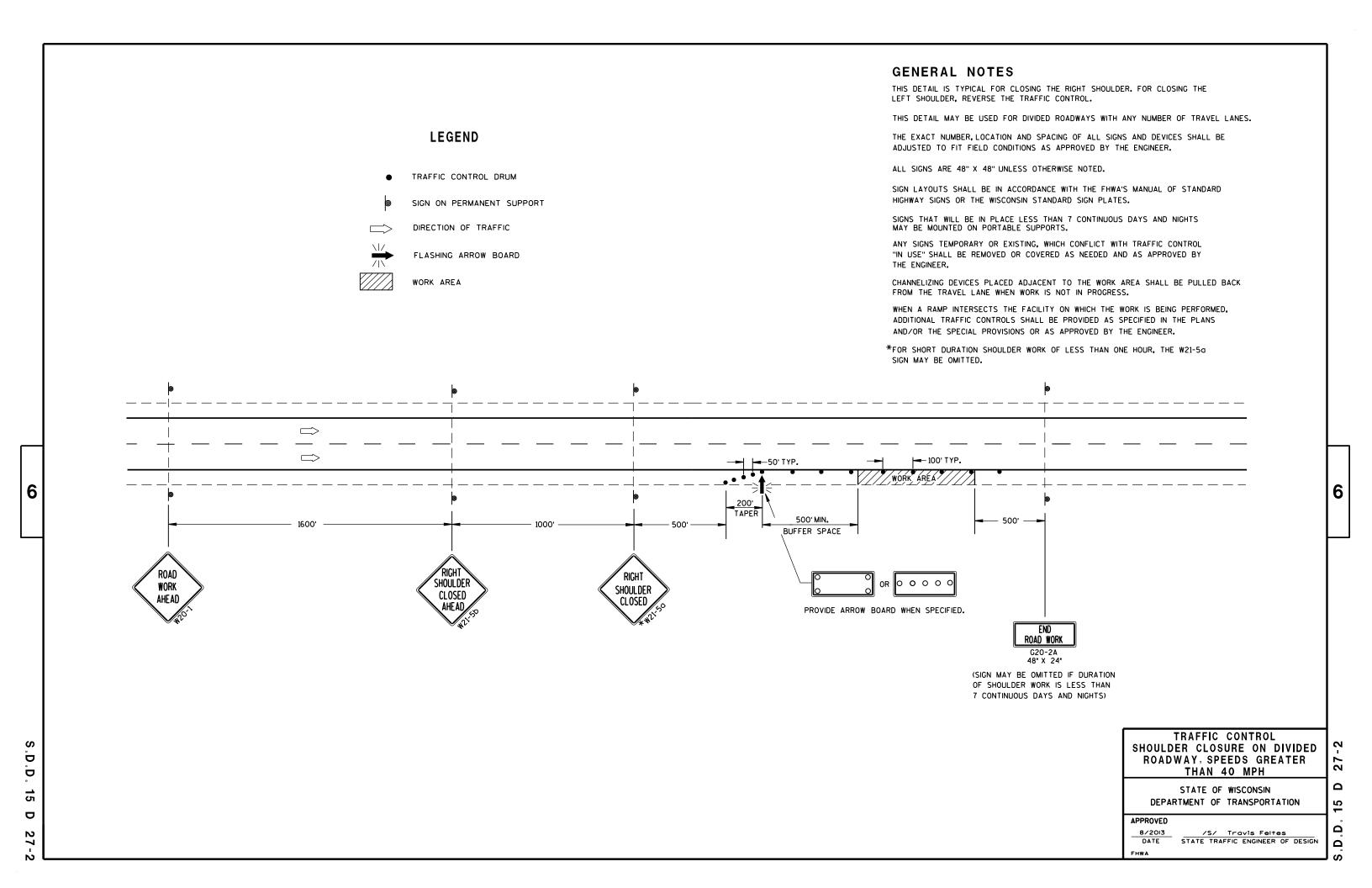
TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

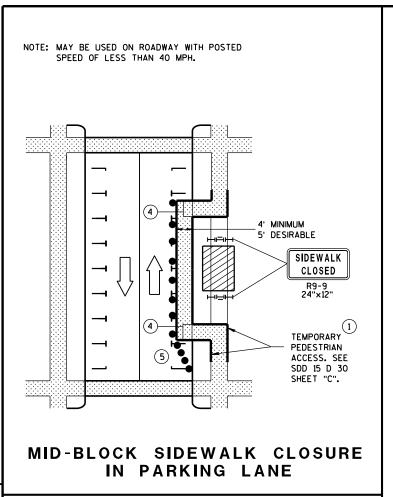
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015
DATE
STATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 D 2







NOTE: LAYOUT SAME AS ABOVE. 4' MINIMUM 5' DESIRABLE SIDEWALK CLOSED RQ-Q TEMPORARY PEDESTRIAN ACCESS. SEE SDD 15 D 30 SHEET "C". SIDEWALK DIVERSION

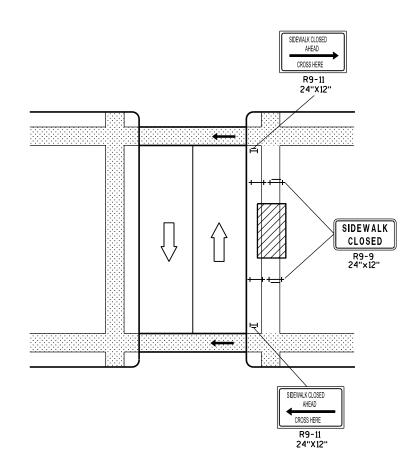
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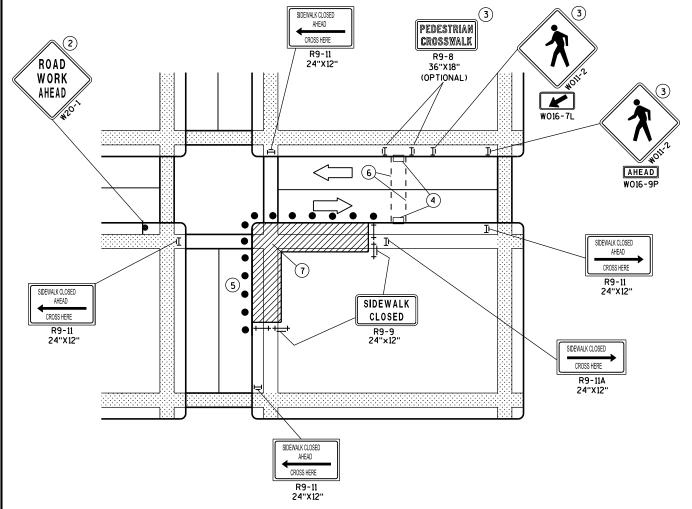
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MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

- 1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.
- 2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
- (4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- (6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN

LEGEND

SIGN ON PERMANENT SUPPORT

UNDER PEDESTRIAN TRAFFIC

TRAFFIC TRAFFIC CONTOL DRUM

DIRECTION OF

WORK AREA

PEDESTRIAN CHANNELIZATION DEVICE

TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A. LOW-INTENSITY FLASHING)

TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION S 0 က Ω Ω

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PARALLEL TO CURB

TEMPORARY BUS STOP PAD

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GENERAL NOTES

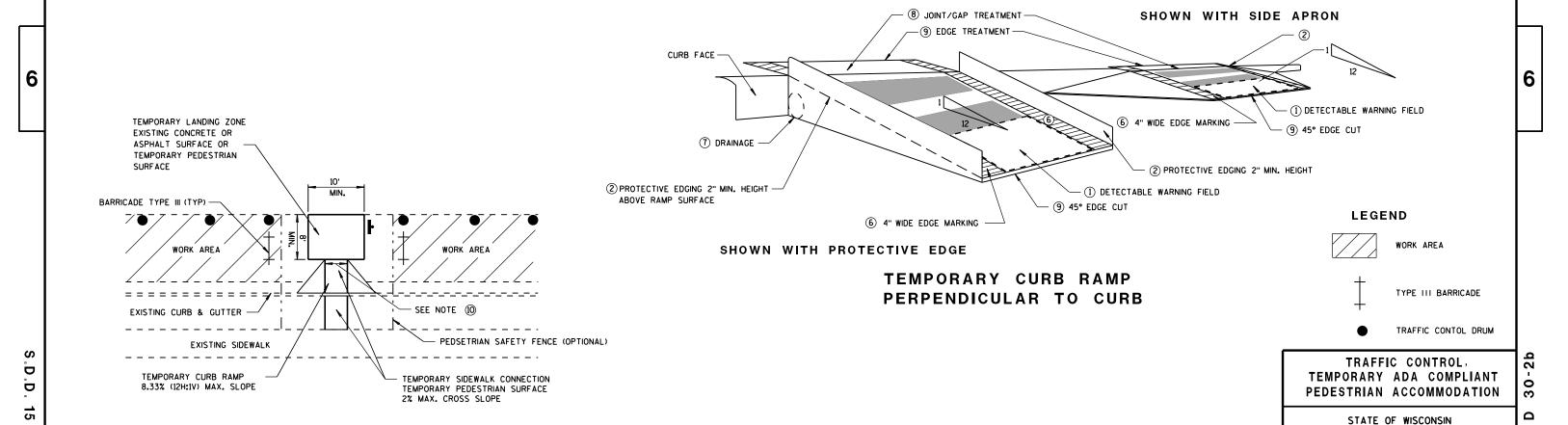
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION. ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

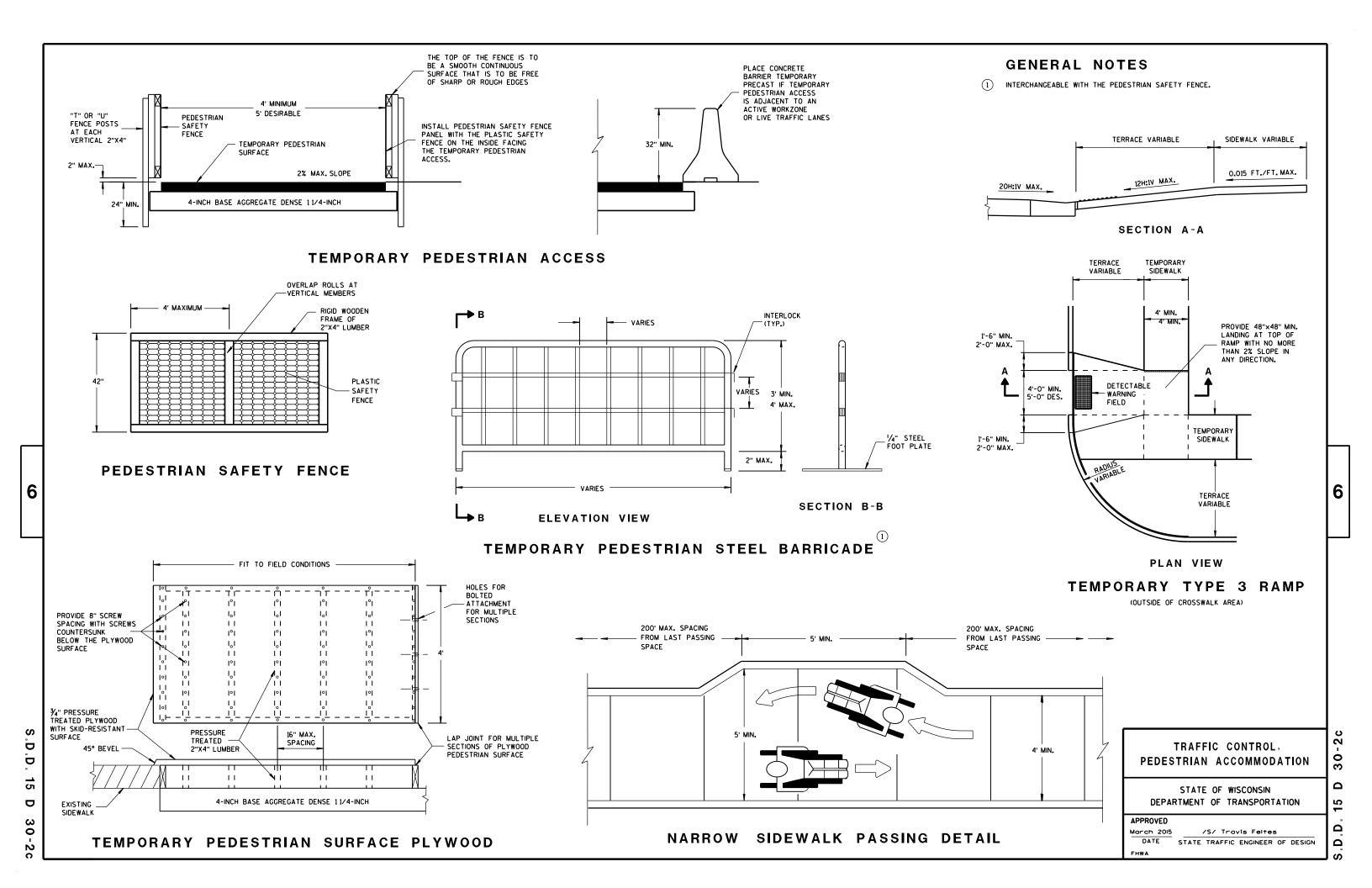
- (1) CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".
- ② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- (3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
- 5 CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- (6) THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
- 7 DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (8) LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
- (9) CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".
- 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.

DEPARTMENT OF TRANSPORTATION

 $\frac{\text{March 2015}}{\text{DATE}} \quad \frac{\text{/S/ Trav1s Feltes}}{\text{STATE TRAFFIC ENGINEER OF DESIGN}}$

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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 - 1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - $\frac{9}{32}$ " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.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.

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

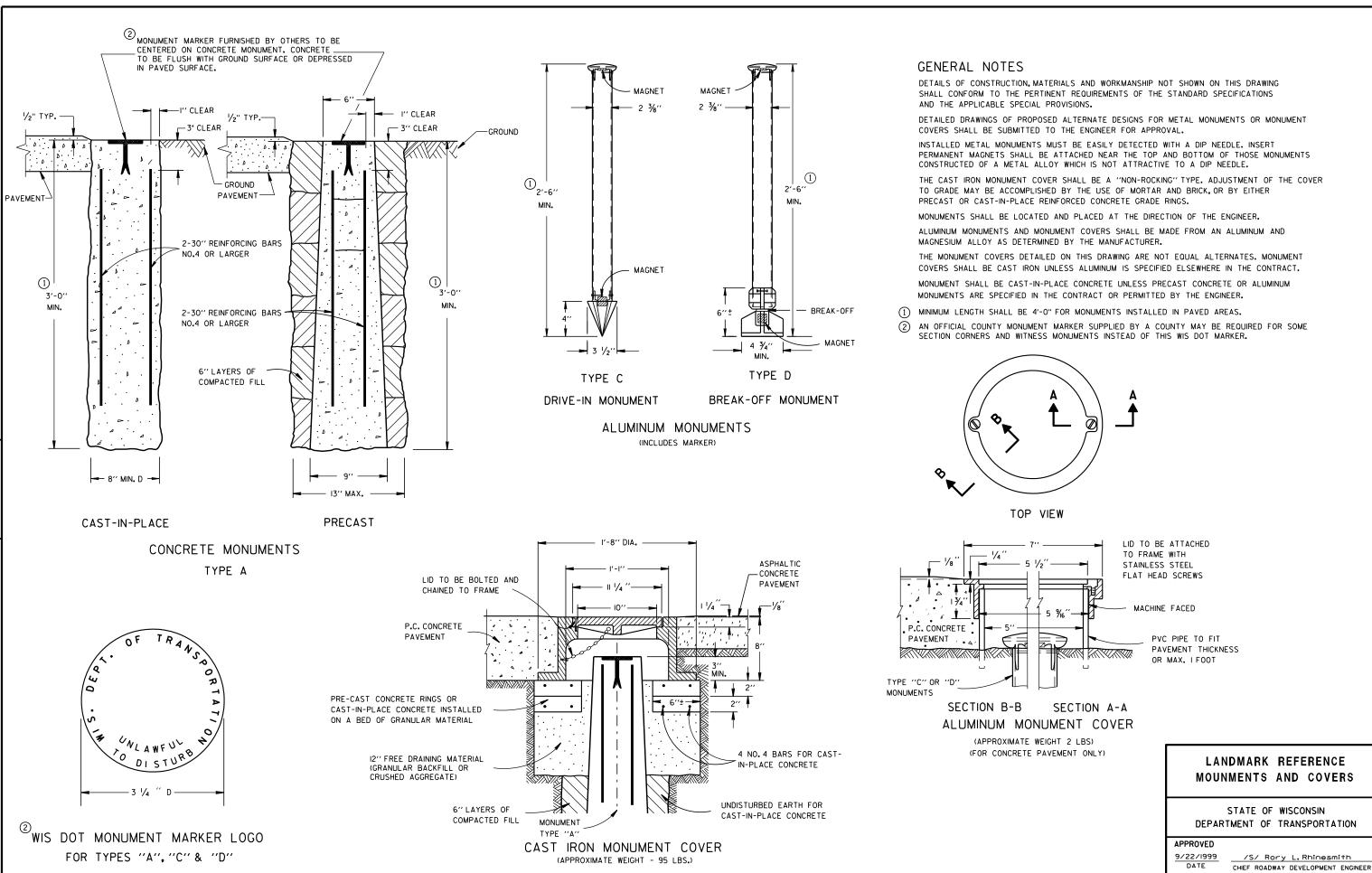
APPROVED Feb. 2015

FHWA

PATE DATE TRAFFIC ENGINEER OF DESIGN

38-1b

Ω



6

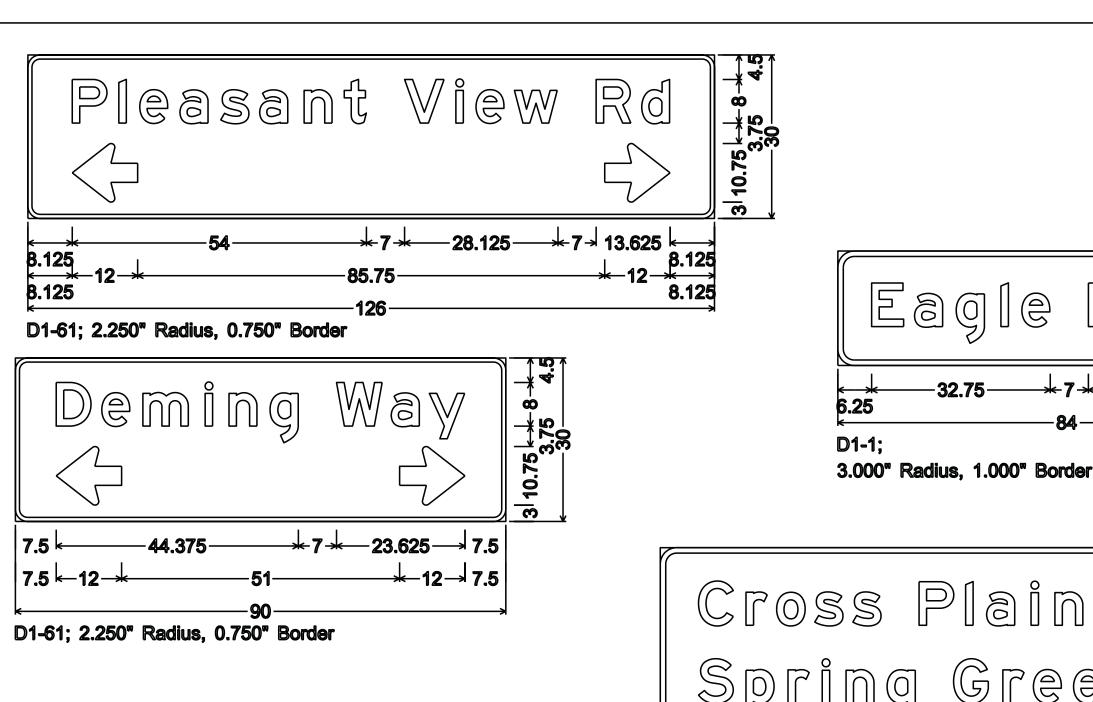
6

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16

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9 Ω

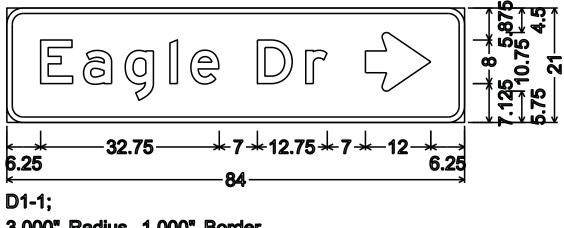


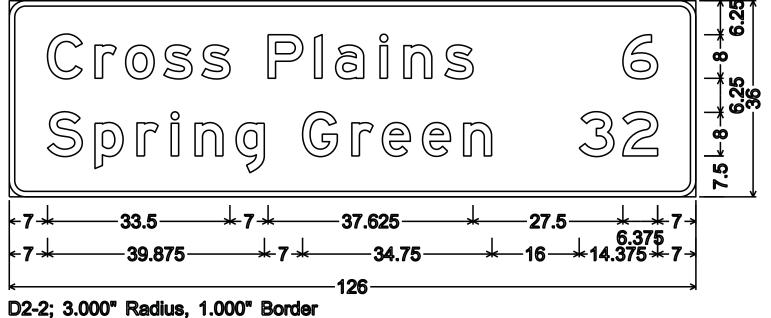
<u>NOTES</u>

- 1. All Signs Type II Type H Reflective
- 2. Color:

Background - Green Message - White

3. Message Series - E





PLOT BY: \$8...plotuser...\$8 PLOT NAME:

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard

areater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. __A2-15.8

DATE 2/06/14

SHEET NO:

URBAN ARFA



RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



5'-3"(生) D^{-1} Outside Edae of Gravel

White Edgeline Location

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where

there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (\pm).

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

PLATE NO. <u>A4-3.20</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- *** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ****\ Flowline D **7000** White Edgeline D 11 White Edgeline, Location Outside Edae Location

2'Min - 4'Max (See Note 6) 6'-3"(±) Curb Flowline. -11

48" DIAMOND WARNING SIGN

HWY:

_ 26" 5 ' - 3 "(±) White Edgeline Location Outside Edge of Gravel 48" DIAMOND WARNING SIGN

COUNTY:

Outside Edge

of Gravel

	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)			
	L	E		
* * *	Greater than 48" Less than 60"	12"		
	60" to 120"	L/5	l	

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)			
L	E		
Greater than 120" less than 168"	12"		

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)			
L	E		
168" and greater	12"		

POST EMBEDMENT DEPTH

of Gravel

Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:23

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

PLATE NO. 44-4.14 DATE 7/23/15



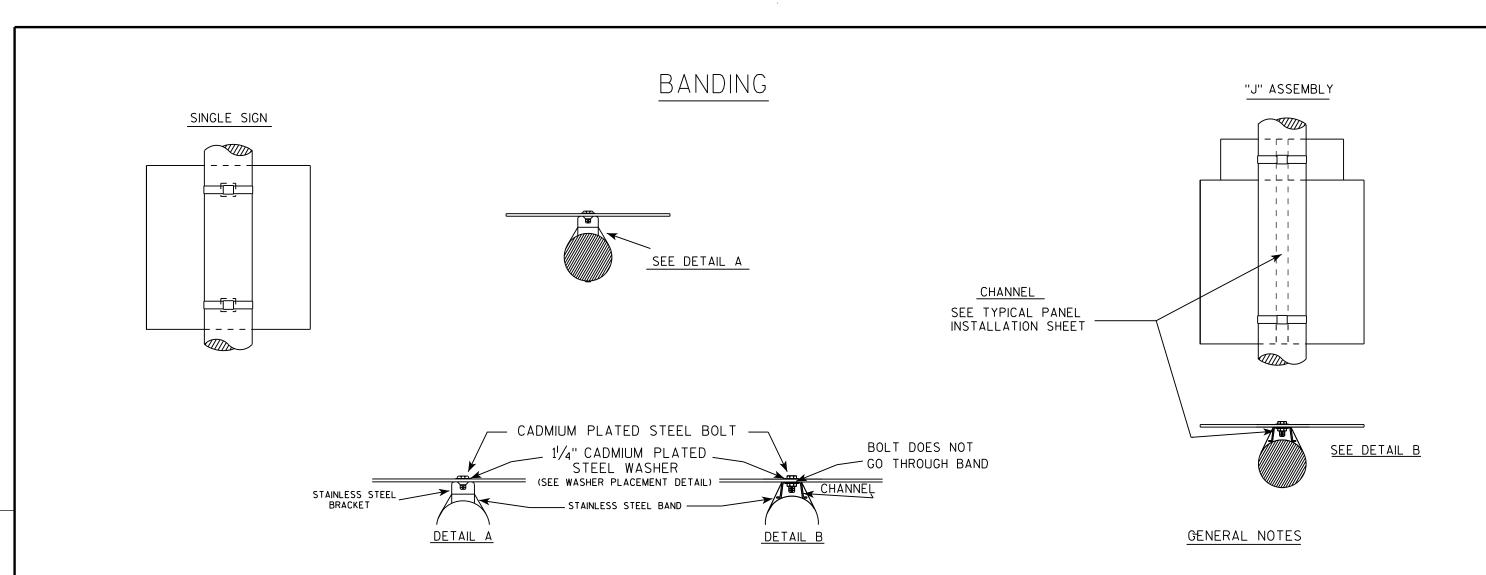
PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

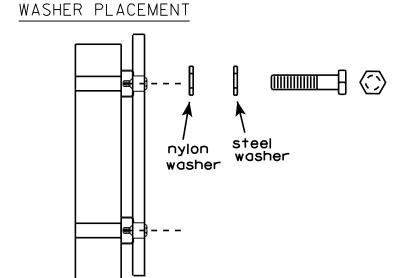
DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer







HWY:

WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. X3/8" I.D. X1/16" STEEL 1-1/4" O.D. X3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

PLOT BY: mscsja

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 8/16/13

SHEET NO:

State Traffic Engineer

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

PROJECT NO:

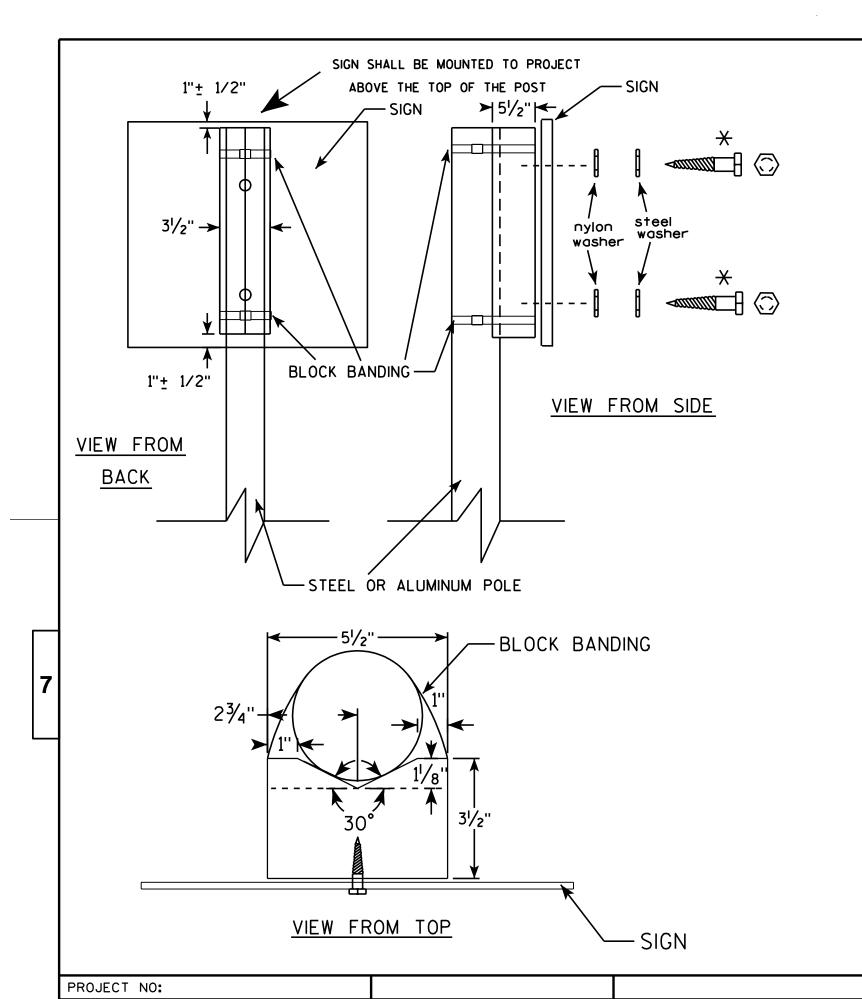
PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. A5-9.3



- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
 - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
 - c. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

X LAG BOLTS SHALL BE 3/8" X 21/2"

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

APPROVED

For State Traffic Engineer

DATE 7/12/07

PLATE NO. A5-10.1

SHEET NO:

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Blue Message - White - Type H Reflective

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and adjust spacing as required to achieve proper balance.

Metric equivalent for this sign is:

1200 mm X 525 mm 1500 mm X 1050 mm

4 1500 mm x 1050 mm

PROJECT NO:

SIZE

3

D12-2

* Variable (See note 5)

5	1950	mm X	1350 m	nm																								
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	P	0	R	S	Т	U	٧	W	X	Y	Z	Areg sq. ft.	Area #2
1	48	21	1 1/2		1/2	3	2 3/4	3 1/2	12 1/8	9 3/8	2	1 1/8	10 1/4		4	2	9 1/2										7.0	0.63
2	60	42	2 1/4		3/4	6	5	8	24 1/8	18 %	3 1/8	2 1/8	20 %		8 1/8	3 1/8	19										17.5	1.58
3																												
4	60	42	2 1/4		3/4	6	5	8	24 1/8	18 %	3 %	2 1/8	20 %		8 1/8	3 %	19										17.5	1.58
5	78	54	3		1	8	6	10	30 %	23 %	4 7/8	2 1/8	26 ¾		9 %	4 1/2	24 1/8										29.25	2.63

STANDARD SIGN D12-2

WISCONSIN DEPT OF TRANSPORTATION

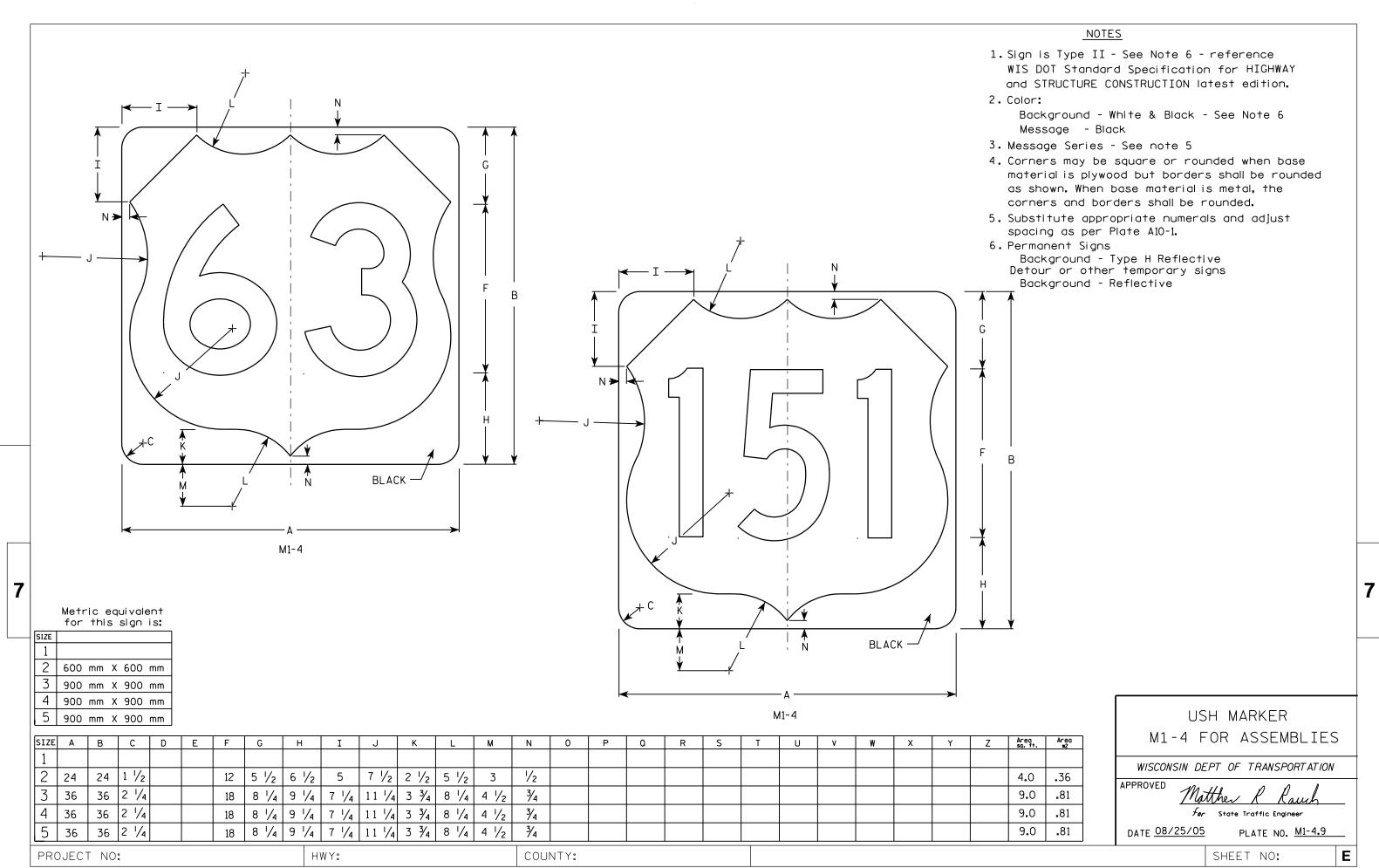
APPROVED Matther R Rauch Fer State Traffic Engineer DATE 8/5/08

SHEET NO:

PLATE NO. D12-2.4

WISDOT/CADDS SHEET 42

PLOT BY: ditjph PLOT DATE: 05-AUG-2008 14:17



FILE NAME : C:\Users\Projects\tr_stdplate\M14.DGN

- 1. Sign is Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M2-1 Background White

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

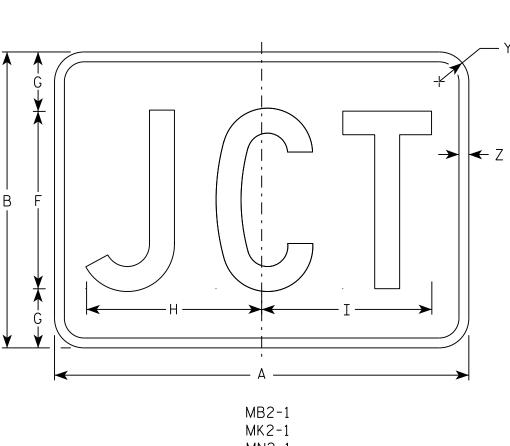
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	J	V	W	Х	Υ	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 %																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch f_{or} State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M21 DGN

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1

PLOT DATE . 01-DEC-2015 17:54

PLOT BY . \$\$ Diotuser \$\$ PLOT NAME :

PLOT SCALE • 4 864603•1 000000







MP3-1









HWY:



NOTES

- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

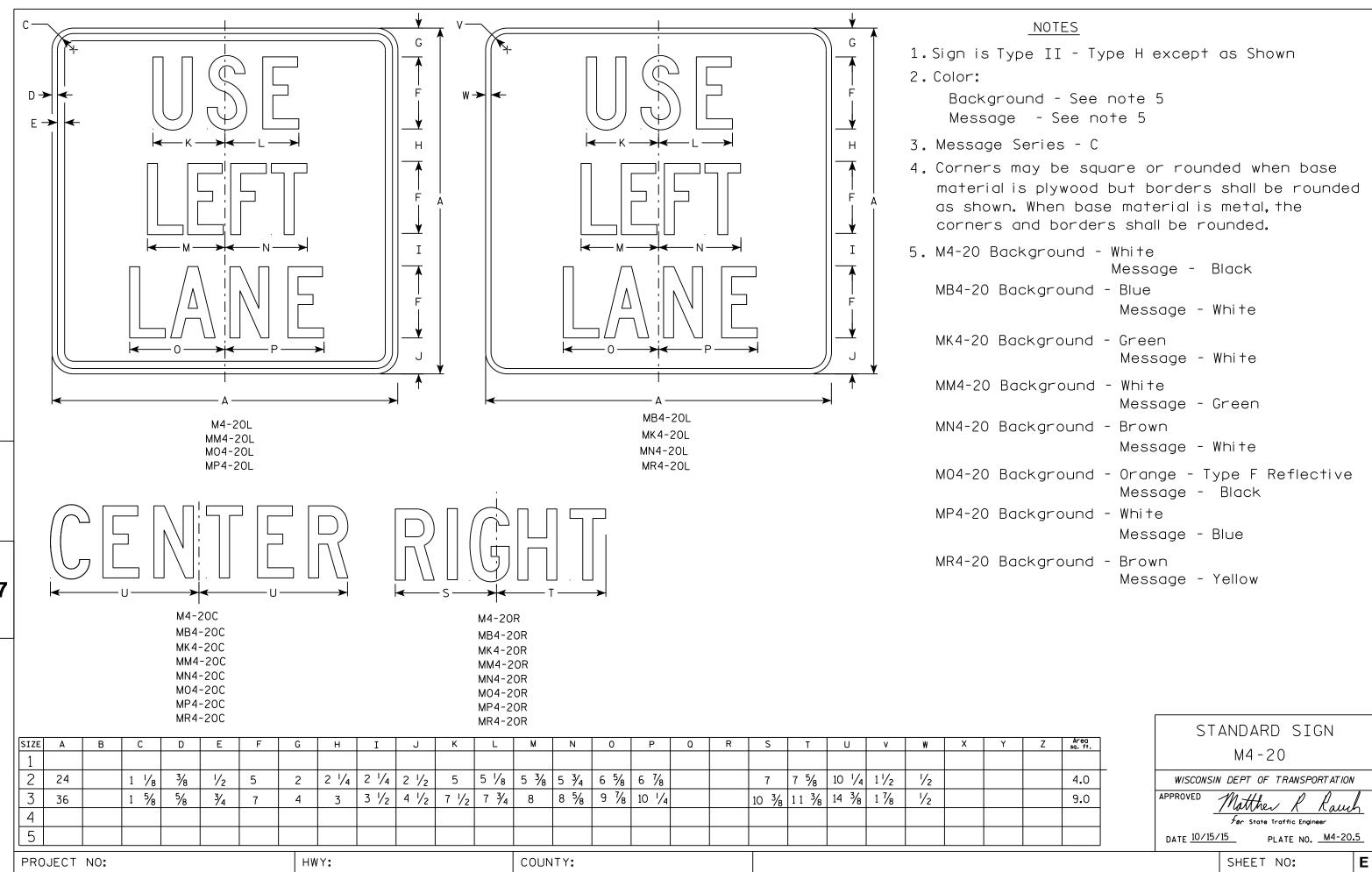
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000









MR6-1

HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

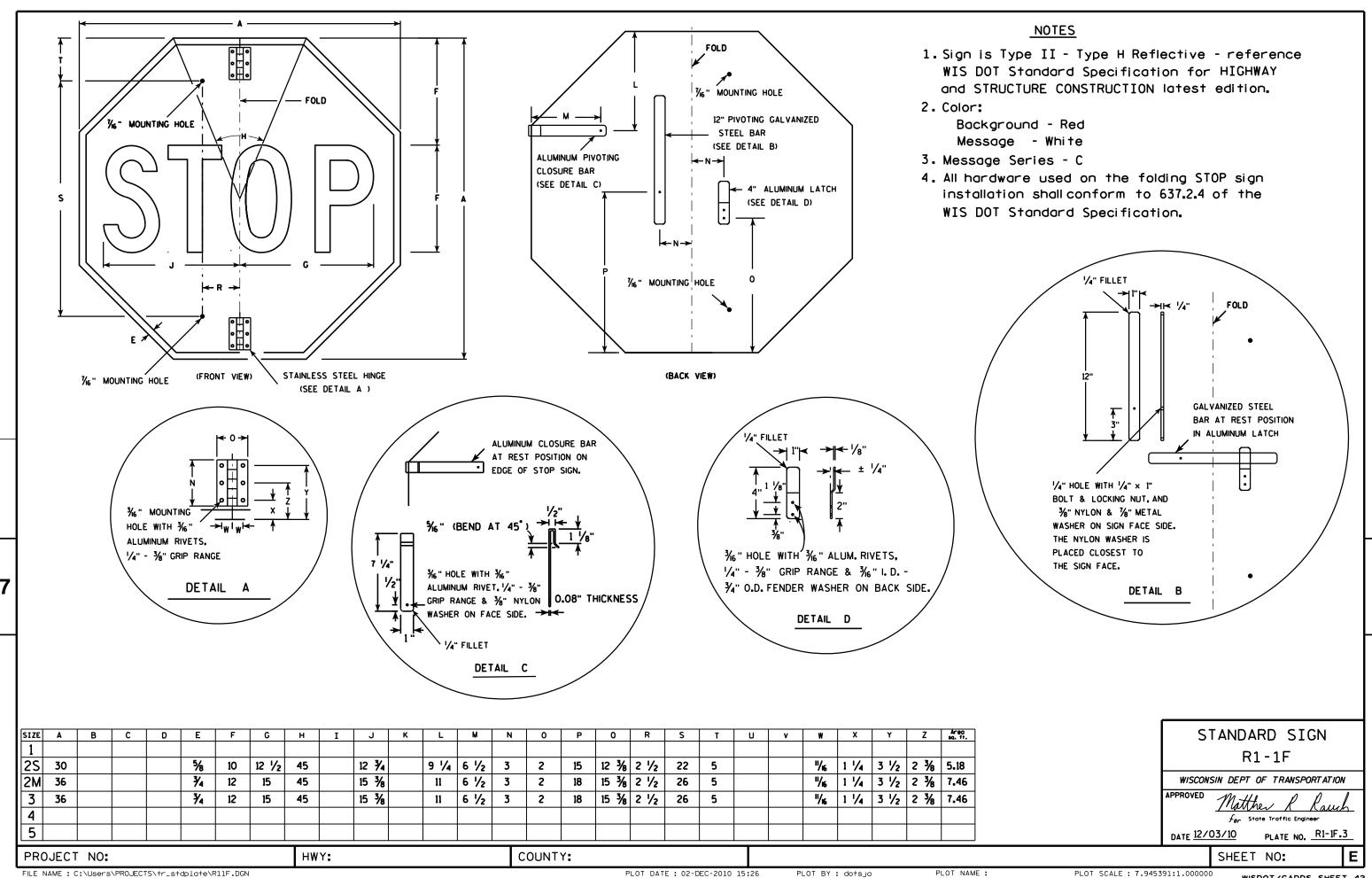
FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

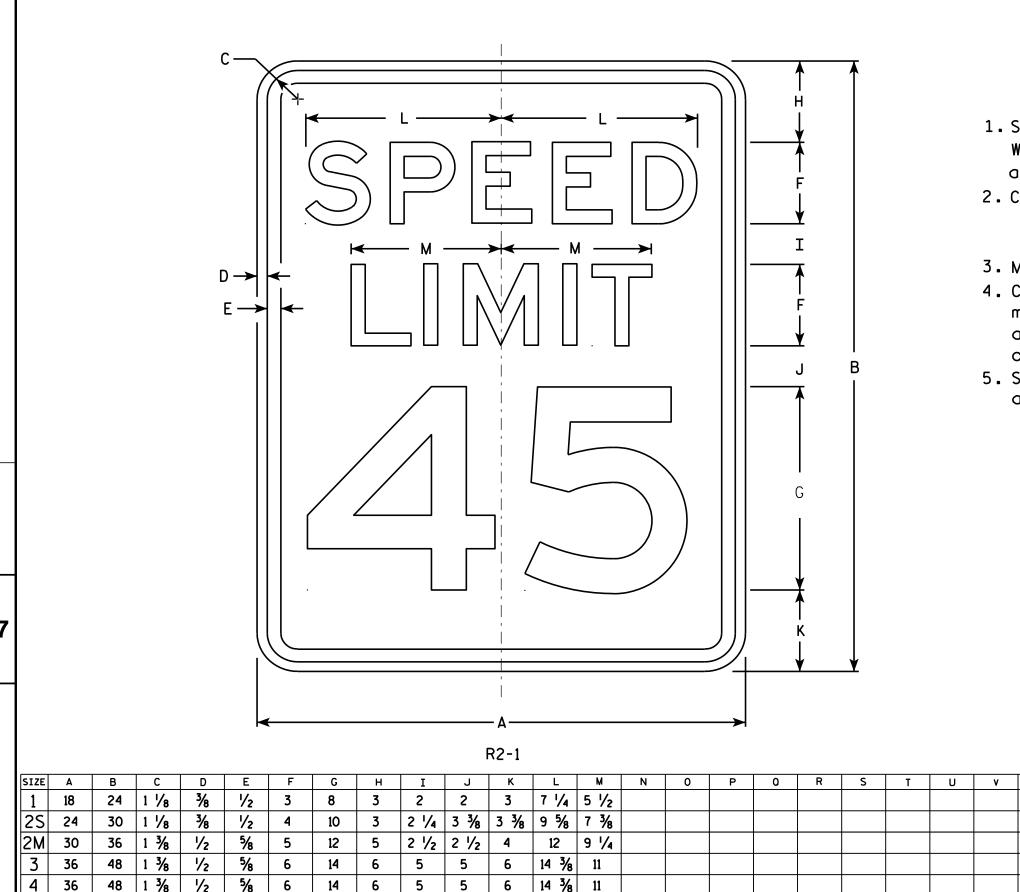
PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

PIOT RY . \$\$ plotuser \$\$ PIOT NAMF :

PLOT SCALE . 11 675051.1 000000





4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal. the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Raus For State Traffic Engineer PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

60

5

48

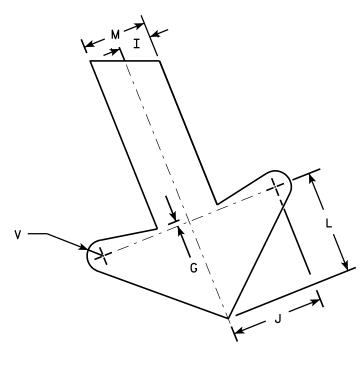
PROJECT NO:

PLOT NAME :

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 %	3	2 1/4	10 1/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

R3-20L

HWY:

М

М

0

STANDARD SIGN R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

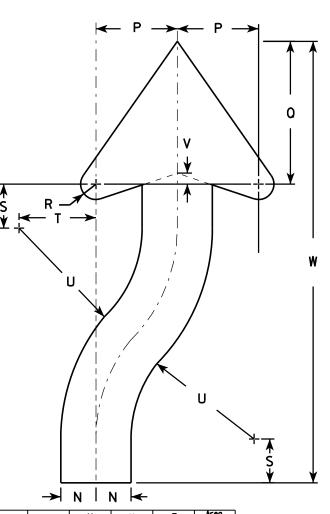
SHEET NO:

PROJECT NO:

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
- 2. Color:

Background - White Message - Black

- 3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
- 4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

																							→	N I	N 		
SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Arec sq. f
1	18	24	1 1/8	3∕8	1/2	3 %	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5%	1 %	3 1/4	6 3/4	1/2	20 3/8				3.0
25	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 %	3	8	4	12 1/2	2	30	4 %	8 1/8	1 / ₈	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2N	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 %	8 1/8	7 ⁄8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				12.
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 %	5	8 ¾	18	1 1/4	50 1/4				20.

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer
3/25/2011 PLATE NO. R4-

DATE 3/25/2011 PLATE NO. R4-7.8

SHEET NO:

PROJECT NO:

D→

HWY:

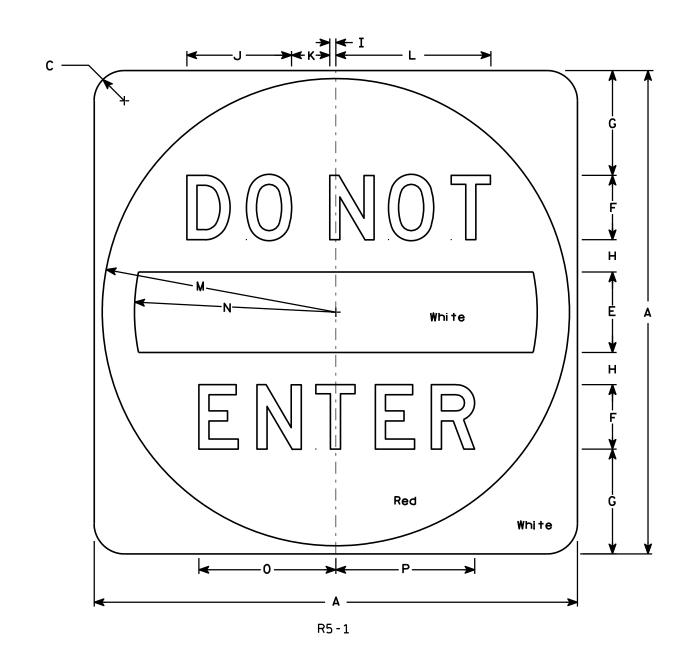
PLOT BY: mscsja

<u>NOTES</u>

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See detail Message - White - Type H Reflective

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	8 %											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 %	14 1/2	23 ½	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 12/17/10

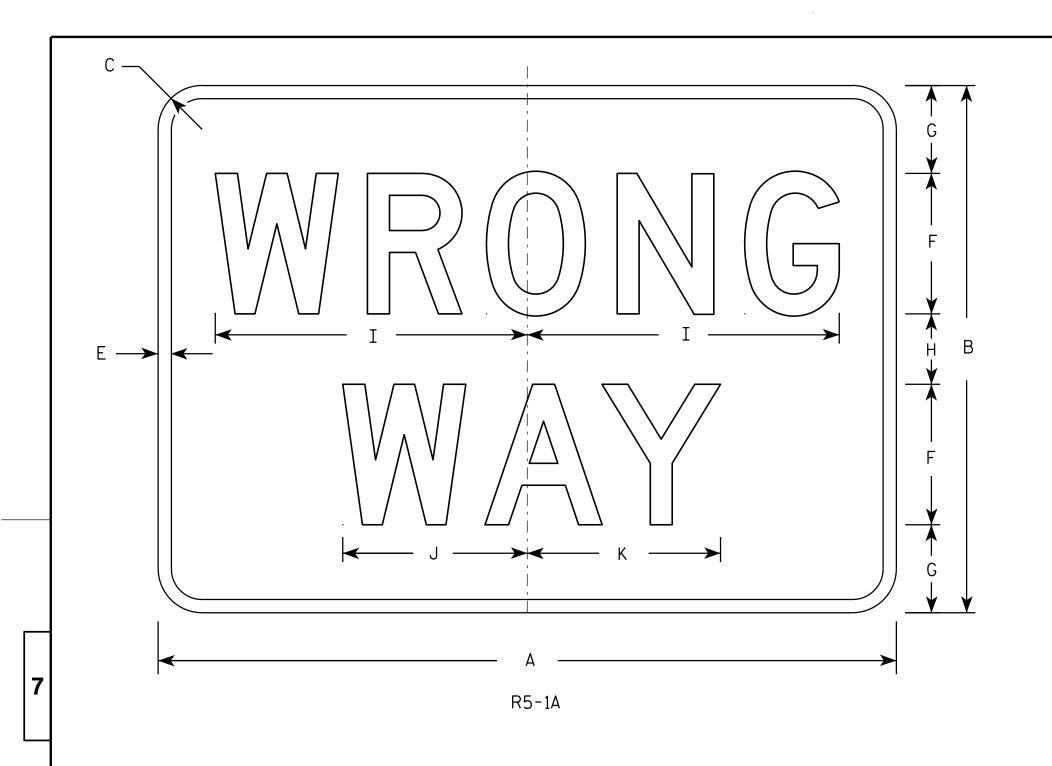
10 PLATE NO. R5-1.15

Р

PLOT NAME :

HWY:

PROJECT NO:



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Red Message - White

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 ½	6 %																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 1/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 ¾	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2	·	3/4	8	5	4	17 3/4	10 1/2	11	·		·													8.75

COUNTY:

STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

Matther R Raud PLATE NO. R5-1A.2

DATE 12/17/10

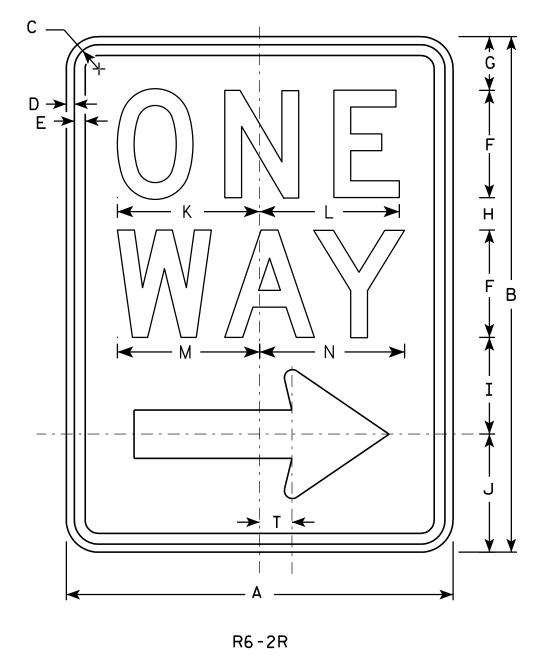
SHEET NO:

PROJECT NO:

HWY:

PLOT BY: dotsja

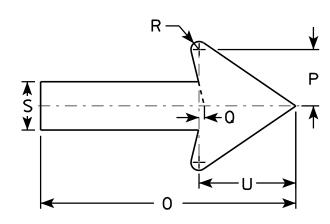
PLOT NAME :



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 ½	6 %	6 1/2	6 %	6 3/4	11 1/8	2 %	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 %	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2	6 %	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
4	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
5																										

COUNTY:

STANDARD SIGN R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/2/10

PLATE NO. R6-2.8 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R62.DGN

HWY:

PROJECT NO:

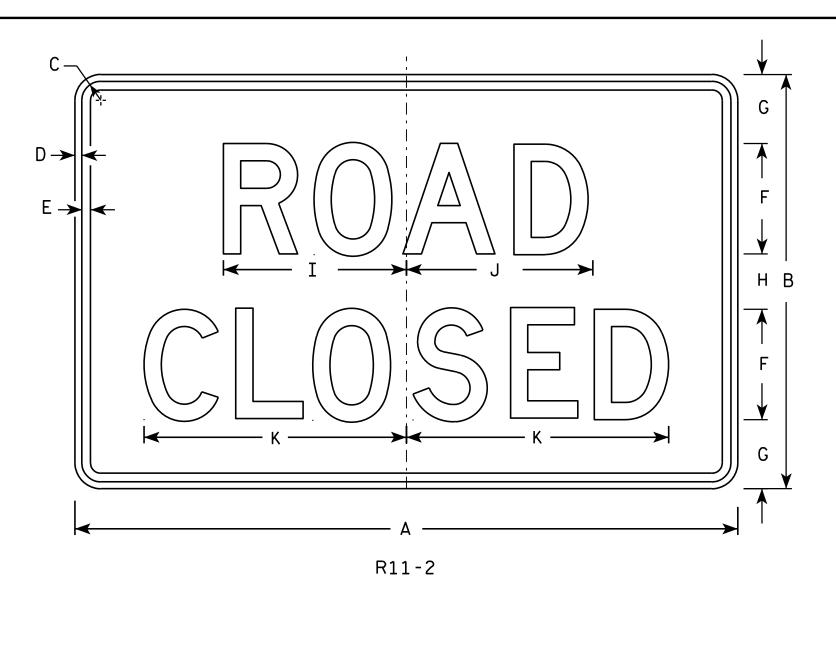
PLOT DATE: 02-NOV-2010 15:25

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 4.469282:1.000000

WISDOT/CADDS SHEET 42

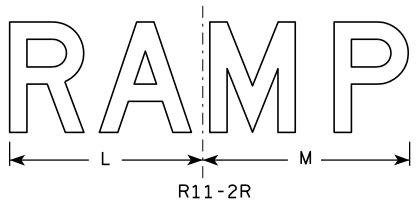


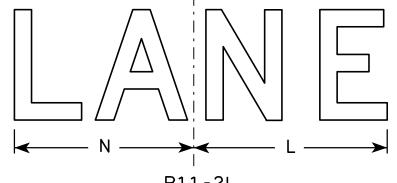
<u>NOTES</u>

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Modify the message as required.





R	1	1	-	2	L

PLOT NAME :

SIZ	Έ	A	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																												
2	S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
21	I	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0
3		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0

COUNTY:

STANDARD SIGN R11-2

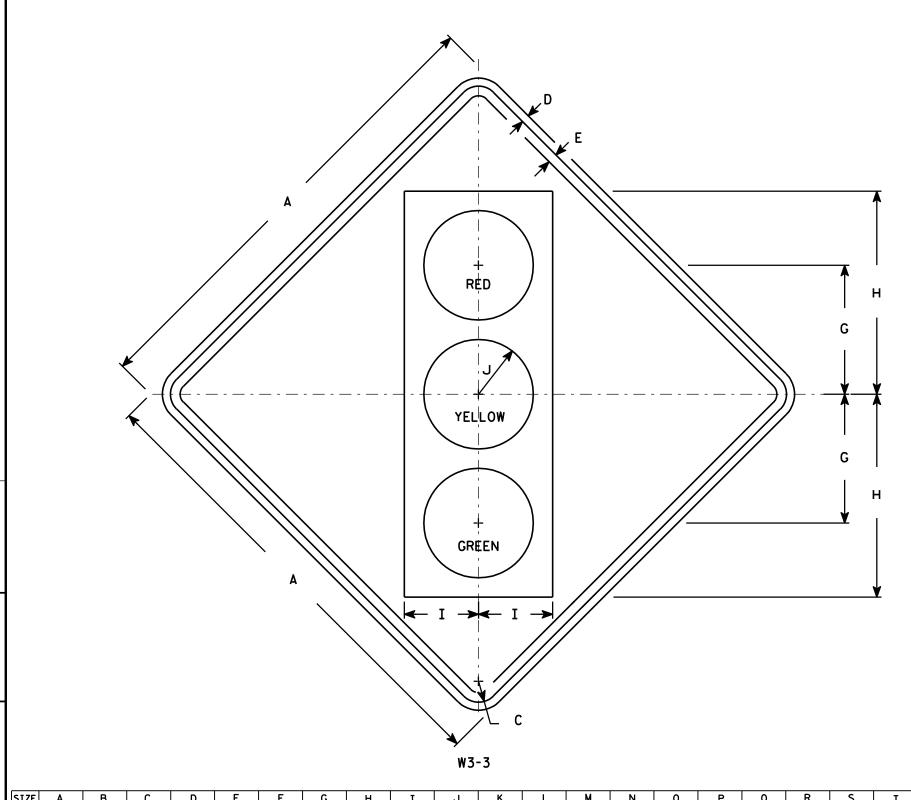
WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-2.10

SHEET NO:

HWY:

PROJECT NO:



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - See Note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Symbol and border are non-reflective black. Top circle - Type H Reflectorized Red Center circle - Same as background Bottom circle - Type H Reflectorized Green

SIZE Α 1 3/8 1/2 13 3/4 5 5/8 8 3/4 3 3/4 30 6.25 25 1 % 5/8 15 3/4 5 3/4 4 1/4 36 3/4 9.0 2M 15 3/4 5 3/4 4 1/4 36 1 % 5/8 9.0 3 36 1 % 5/8 15 3/4 5 3/4 4 1/4 9.0 3/4 4 12 1/2 20 7 1/2 5 48 2 1/4 16.0 12 1/2 5 20 7 1/2 5 48 2 1/4 16.0

COUNTY:

STANDARD SIGN W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED _____

DATE 6/7/10 PLATE NO. W3-3.11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN

HWY:

PROJECT NO:

PLOT DATE: 07-JUN-2010 13:07

PLOT BY : ditjph

PLOT NAME: PLOT S

PLOT SCALE: 7.448805:1.000000

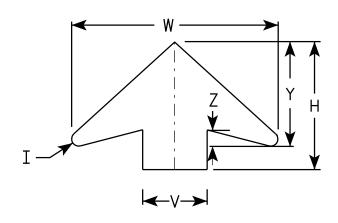
WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: *

 Background YELLOW*

 Message BLACK
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft
1																											
25	36		1 1/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
2M	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
3	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3∕8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	1 /8	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3/8	12	8	25 %	3∕8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7 ⁄8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch.

DATE 5/29/12 PLATE NO. W3-5.5

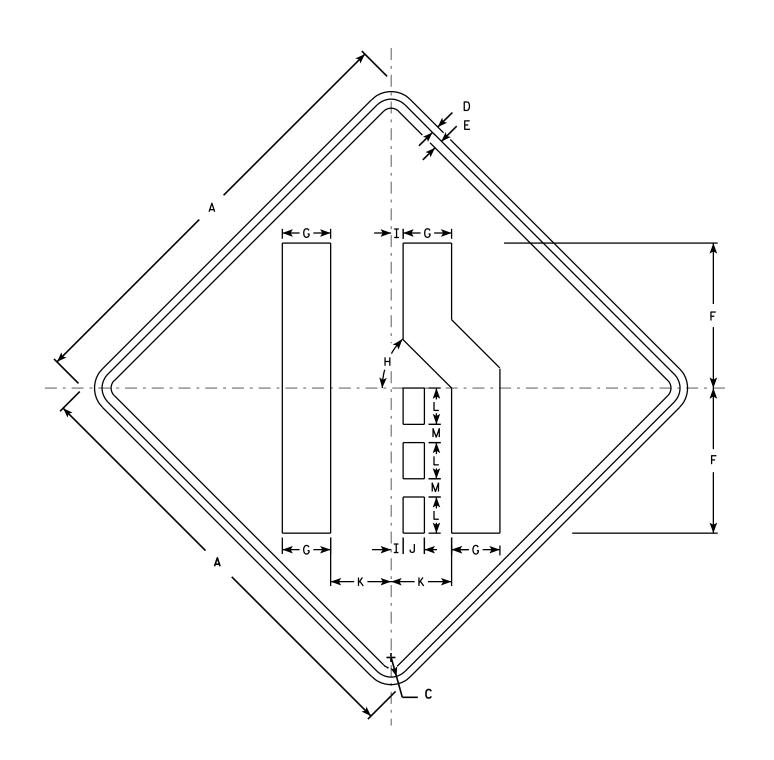
SHEET NO:

PROJECT NO:

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W4-2L is the same as W4-2R except the symbolis reversed along the vertical centerline.



W4-2R

Z	Y	Х	W	٧	U	T	S	R	0	Р	0	N	M	L	K	J	I	Н	G	F	E	D	С	В	Α	SIZE
													1 1/4	2 1/2	4 1/4	1 1/2	1 / ₈	45°	3 %	10	5/8	1/2	1 3/8		30	1
	1												1 1/2	3	5	1 3/4	1	45°	4	12	3/4	5/8	1 %		36	25
	1												1 1/2	3	5	1 3/4	1	45°	4	12	3/4	5/8	1 %		36	2M
9													1 1/2	3	5	1 3/4	1	45°	4	12	3/4	5/8	1 1/8		36	3
1													2	4	6 ¾	2 3/8	1 1/4	45°	5	16	1	3/4	2 1/4		48	4
	1												2	4	6 3/4	2 3/8	1 1/4	45°	5	16	1	3/4	2 1/4		48	5
=	=												2	4	6 3/4	2 3/8	1 1/4	45°	5 3/8	16	1	3 /4	2 1/4	NO:	48 JECT	

STANDARD SIGN W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/12/13

PLATE NO. W4-2.14 SHEET NO:

For State Traffic Engineer

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W42.DGN

PLOT DATE: 12-MAR-2013 11:09

PLOT BY: mscsja

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow

3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

	>
W5-54	

SIZE	Α	В	С	D	E	F	G	Н	I	۲	K	L	М	Ν	0	Р	a	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 1/2																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5										·													·				
													1														

COUNTY:

STANDARD SIGN W5-54

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matthew R Rauch DATE 11/3/10 PLATE NO. W5-54.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W554.DGN

PROJECT NO:

HWY:

PLOT DATE: 03-NOV-2010 09:54

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 4.965871:1.000000

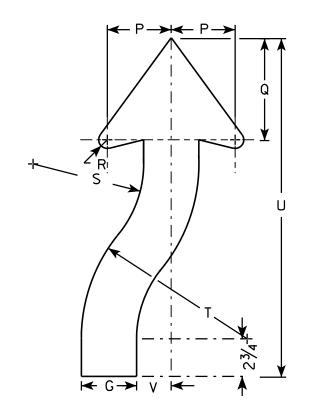
WISDOT/CADDS SHEET 42

Ε

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Ρ	0	R	S	T	U	٧	₩	Х	Y	Z	Areg sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 1/8	25	1 3/4	11 %	4 1/8	3 %	6 3/4	5/8	6 %	9 %	21 %	2					6.25
2S	36		1 1/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 %	7 3/8	7 /8	8	12	24 1/2	2 1/2					9.0
2M	36		1 1/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 %	7 3/8	7 /8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 %	13 %	6 3/8	12 5/8	40	2 5%	18 %	6 5%	6 1/4	9 %	1 1/4	10 %	16	32 %	3 %					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 %	18 %	6 %	6 1/4	9 %	1 1/4	10 %	16	32 %	3 3/8					16.0

COUNTY:

W6-1

← G → ← G →

STANDARD SIGN W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE <u>03/12/13</u>

PLATE NO. W6-1.14

SHEET NO:

PROJECT NO:

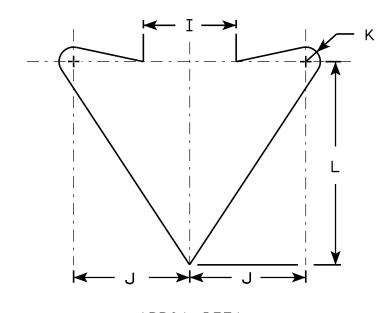
HWY:

<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	P	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ff.
1	30		1 3/8	1/2	5/8	10 1/2	1	3 %	4	5	5/8	8 3/4	5 %														6.25
2S	36		1 %	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2M	36		1 1/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
3																											
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

COUNTY:

W6-3

HWY:

STANDARD SIGN W6-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED _/

Matthe R Rauch

For State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-3.10

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN

PROJECT NO:

PLOT DATE: 12-MAR-2013 14:11

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000

WISDOT/CADDS SHEET 42



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. W9-1L same as W9-1R except the word Left replaces Right.

	I -			J —							-1R						G A		
+	C 1 3/	D I/-	E 5/	F	G	9 I/-	I	J 7 5/	K	L L	M 7 5/	N 5/	0	Р	0	R	S	T	U

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 %	9 1/4	8 1/8	7 %	8 %													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 ½	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 1/8	12 1/4	13 %													16.0
PRO.	JECT	NO:																									

STANDARD SIGN W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 03/18/13

PLATE NO. W9-1.8

SHEET NO:

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Message Series - E

W10	D-1

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 %	8 %	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 %	5	2 1/2															12.57
5																											

COUNTY:

STANDARD SIGN W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/13/13 State Traffic Engineer PLATE NO. W10-1.8

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W101.DGN

PROJECT NO:

HWY:

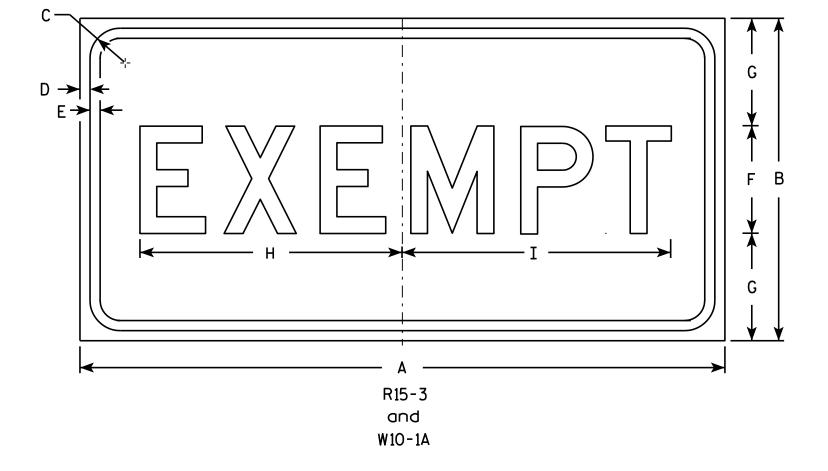
PLOT DATE: 13-MAR-2013 11:06

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 6.946657:1.000000

: 6.946657:1.000000 WISDOT/CADDS SHEET 42



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See Note 5 Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Background R15-3 is White Type H Reflective W10-1A is Yellow.

I																											
SIZE	Α	В	С	D	E	F	G	H	I	J	K	L	M	N	0	P	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3⁄8	3/8	4	4	9 3/4	10																		2
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Kauch

For State Traffic Engineer
3/13/13 PLATE NO. R15-3.7

DATE 3/13/13

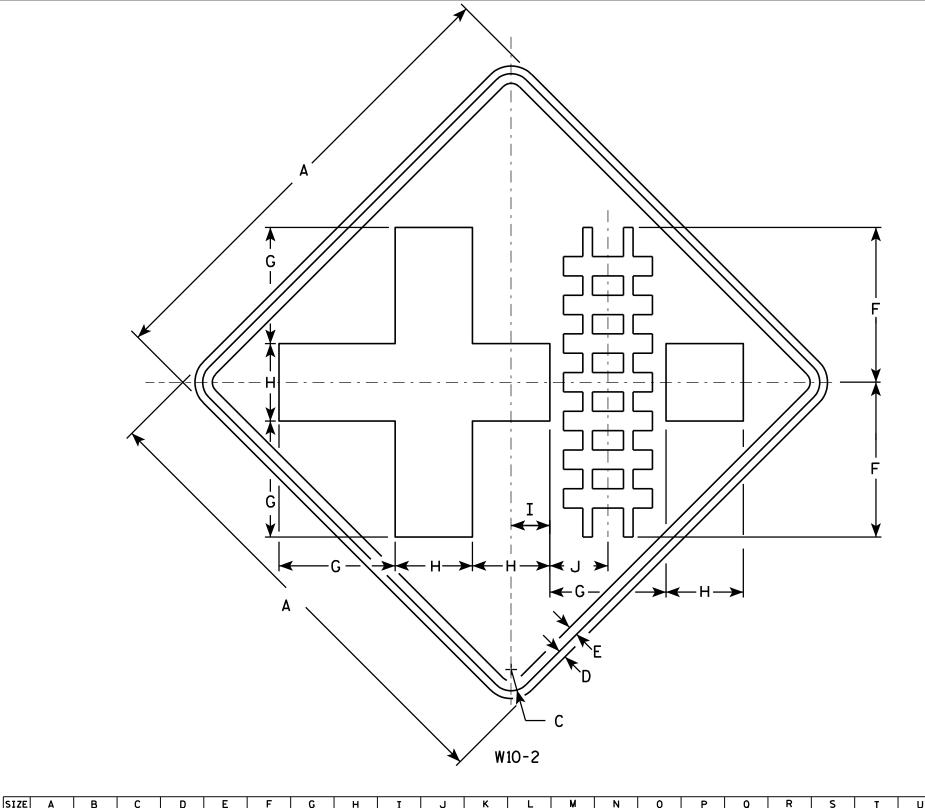
SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscj9h

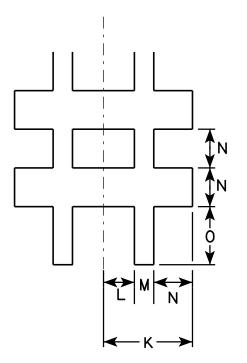
PLOT NAME :



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	7 1/2	5	2 1/2	3 3/4	2 1/8	1	5/8	1 1/4	1 %												6.25
25	36		1 1/8	5/8	3/4	12	9	6	3	4 1/2	3 %	1 1/8	3/4	1 1/2	2 1/4												9.0
2M	36		1 %	5/8	3/4	12	9	6	3	4 1/2	3 %	1 1/8	3/4	1 1/2	2 1/4												9.0
3	36		1 %	5⁄8	₹4	12	9	6	3	4 1/2	3 %	1 1/8	3/4	1 1/2	2 1/4												9.0
4	48		2 1/4	3/4	1	16	12	8	4	6	4 1/2	1 1/2	1	2	3												16.0
5																											

COUNTY:

STANDARD SIGN W10-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED $f_{\it or}$ State Traffic Engineer PLATE NO. W10-2.8

DATE 3/13/13

SHEET NO:

HWY:

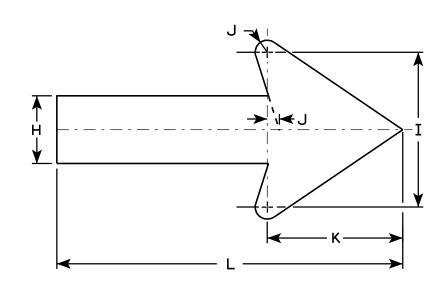
PROJECT NO:

<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

	A
W12-1	L

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	24		11/8	1/2	3/8		6 5/8	3 ½	8	5/8	7	18															4
2M	24		11/8	1/2	3/8		6 %	3 ½	8	5/8	7	18															4
3	30		1 3/8	5%	1/2		8 1/4	4 3/8	10	3/4	8 3/4	22 ¾															6.25
4	36		1 3/4	3/4	5/8		10 3/8	5 ½	12 1/2	1	11	27 1/8															9.0
5	48		2 1/4	3/4	1		12 1/2	6 %	15	1 1/4	13 1/4	33 ½															16
	.0		- /4	/ -	•		12 /2	0 /8	.0	• /4	15 /4	33 72	•														<u>`</u>

COUNTY:

STANDARD SIGN
W12-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawh
For State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1.12

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121.DGN

HWY:

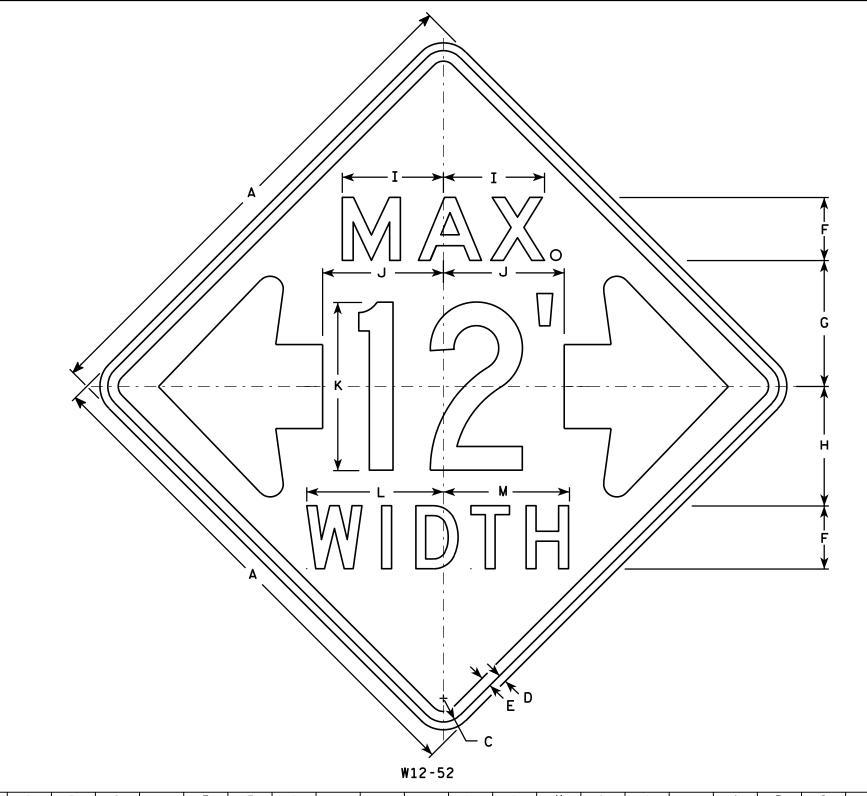
PROJECT NO:

PLOT DATE: 13-MAR-2013 13:26

PLOT BY: mscj9h

PLOT NAME :

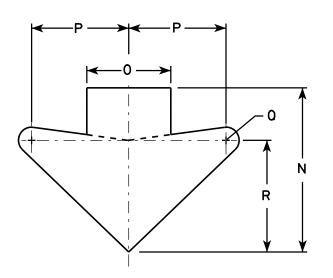
PLOT SCALE: 4.961899:1.000000



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. The top line is series E, the numerals are series C, and the bottom line is series D.
- 6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

CT TE			T ^ T					ш			1/		1.4	_ A.	_				_					· ·	· ·	7	Area
SIZE	Α	В	L L	ַט	-	-	G	Н	l I	J	K	L	M	N	U	P	u	R	>	l	U	V	W	X	Y		Areg sq. ft.
1																											
2S	48		2 1/4	3∕4	1	6	12	11 3/8	9 %	11 1/2	16	13	12	15 %	8	9 1/4	1 1/4	10 %									16.0
2M	48		2 1/4	3∕4	1	6	12	11 3/8	9 %	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 %									16.0
3																											
4																											
5																											

COUNTY:

STANDARD SIGN W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

SHEET NO:

HWY:

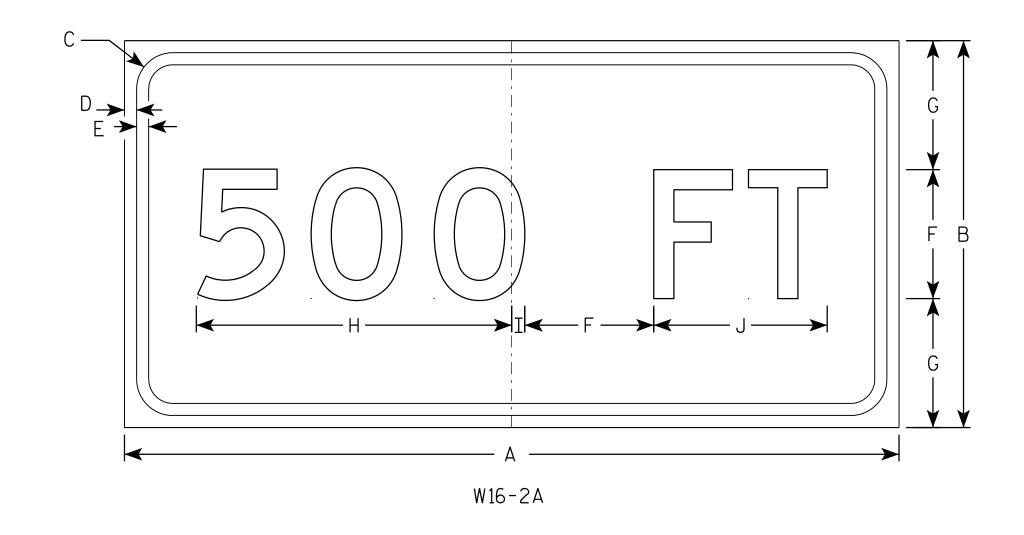
PROJECT NO:

PLOT NAME :

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/8	3/8	3/8	4	4	9 ¾	3∕8	5 3/8																	2.0
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	3/8	5 3/8																	2.0
3	30	18	1 1/8	3∕8	1/2	5	5 ½	12 1/4	1/2	6 3/4																	3.75
4	42	21	1 3/8	1/2	5/8	7	7	16 %	1 1/8	9 %																	6.13
5	42	21	1 3/8	1/2	5/8	7	7	16 %	1 1/8	9 3/8																	

COUNTY:

STANDARD SIGN W16-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 6/13/13

PLATE NO. <u>W16-24.2</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W162A.DGN

HWY:

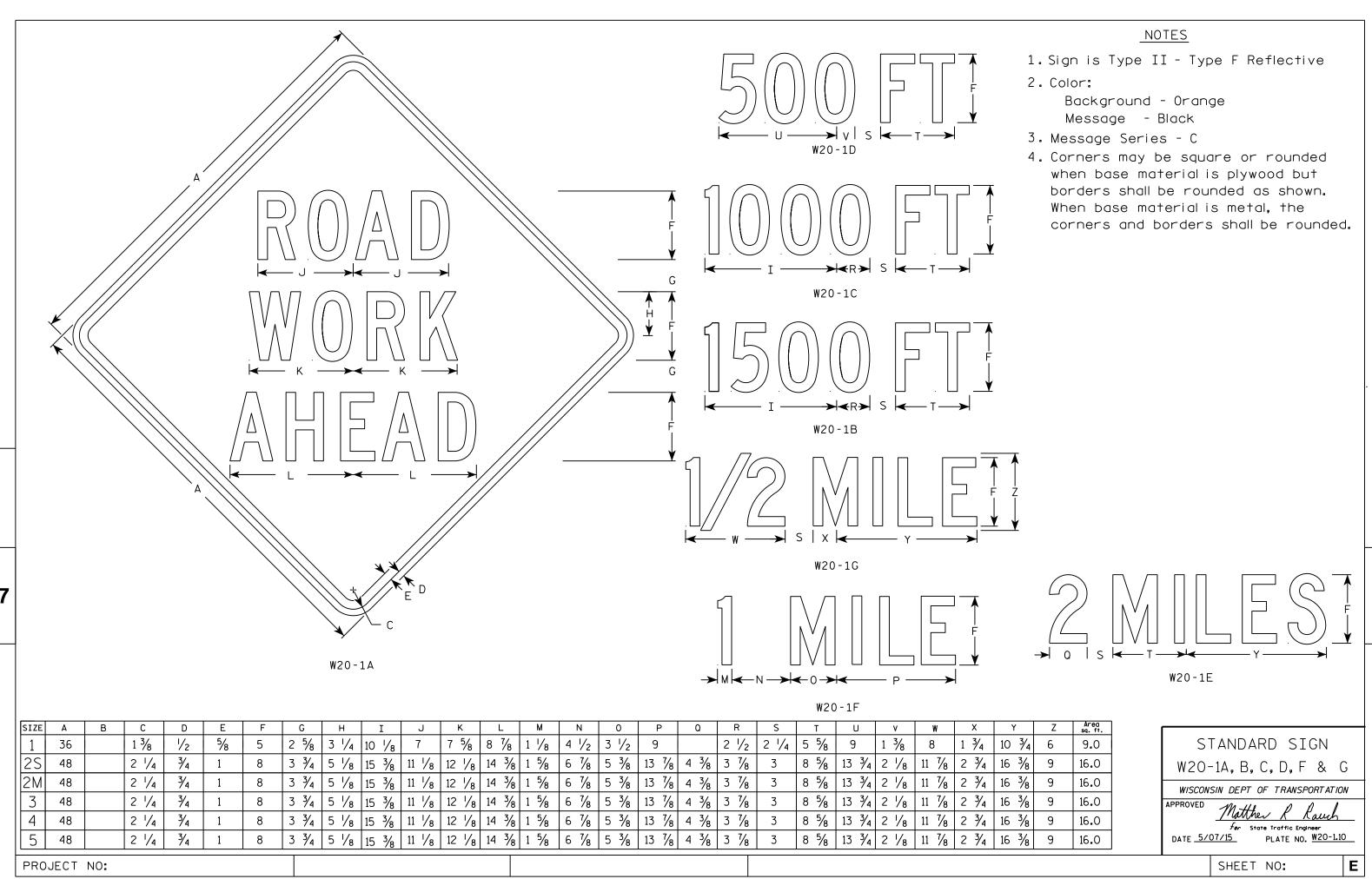
PROJECT NO:

PLOT DATE: 13-JUN-2013 14:50

PLOT BY: mscsja

PLOT NAME :

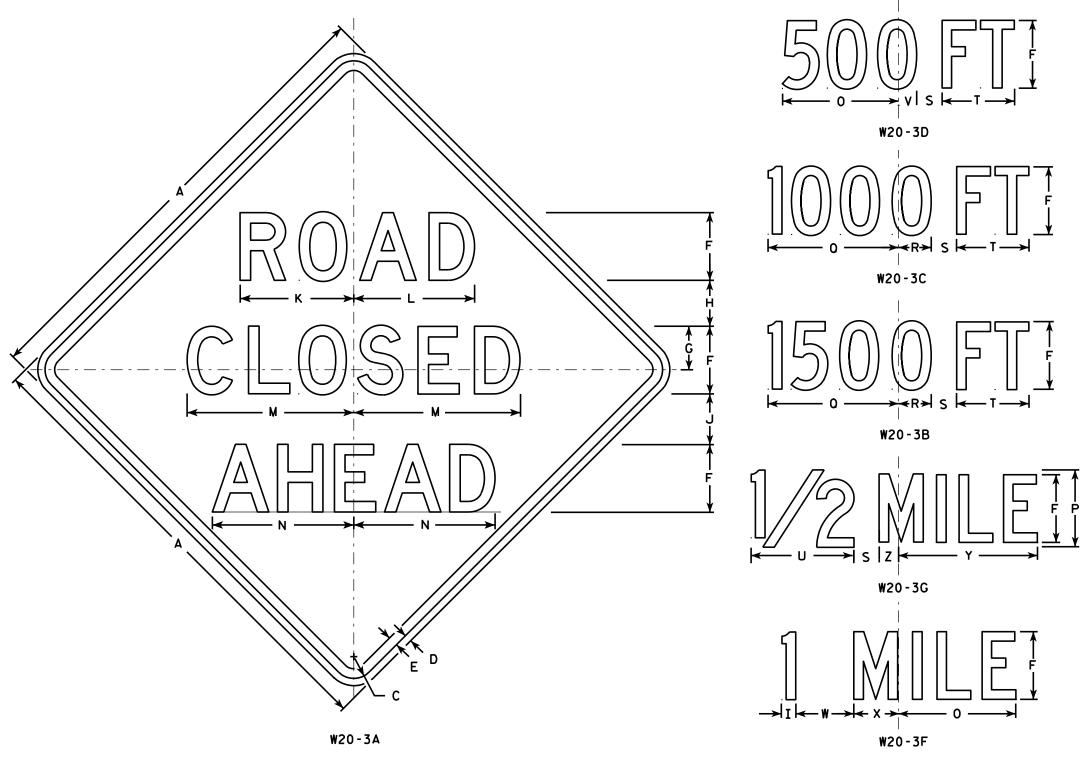
PLOT SCALE: 2.977140:1.000000



FILE NAME . C.\CAFfiles\Projects\tr stdolote\W201 DCN

PLOT DATE . 01-DEC-2015 18.24

PIOT RY * \$\$ plotuser \$\$



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.

1 % 5/8 ¾ 8 3/8 8 7/8 12 1/2 5 % 1 3/8 4 1/2 36 3 1/2 10 3/4 1 3/4 8 4 \(\frac{5}{8} \) 14 \(\frac{3}{8} \) 2 \(\frac{3}{8} \) 16.0 3/4 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 7 1/2 10 5/8 1 7/8 2M 3/4 4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0 48 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 7 1/2 10 % 1 % 4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8 3/4 13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8 4 % | 14 % | 2 % | 16.0 48 3/4 4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8 13 1/2 3 3/8 2 5/8 4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0 7 1/2 10 5/8 1 7/8 48 5 4 5/8 14 3/8 2 3/8 16.0 3/4 2 1/4 4 1/2 | 4 3/4 | 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8 48

COUNTY:

STANDARD SIGN W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE 3/18/11

PLATE NO. W20-3.7

SHEET NO:

PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN HWY:

PLOT DATE: 18-MAR-2011 12:08

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

W057-52

* See note 5

SIZE	Α	В		С	D	E	F	G	Н	I	J	К	L	M	N	0	Ρ	0	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1	36	24	4 1	1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 %	10 %	11 3/8	2	13													6.0
2S	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
2M	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
3	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
4	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
5	48	30	5 1	3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0

COUNTY:

STANDARD SIGN W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 11/20/13

SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscj9h

PLATE NO. W057-52.1

Notes



Wisconsin Department of Transportation

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