MAD

DECEMBER 2018

PROJECT ID: 5992-09-14/15/16

WITH: N/A

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 580

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-09-14	WISC 2019005	1
5992-09-15	—	—
5992-09-16	—	—

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

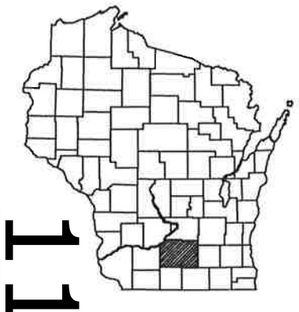
PLAN OF PROPOSED IMPROVEMENT

CITY OF MADISON, EAST JOHNSON STREET

(NORTH BALDWIN STREET TO FIRST STREET)

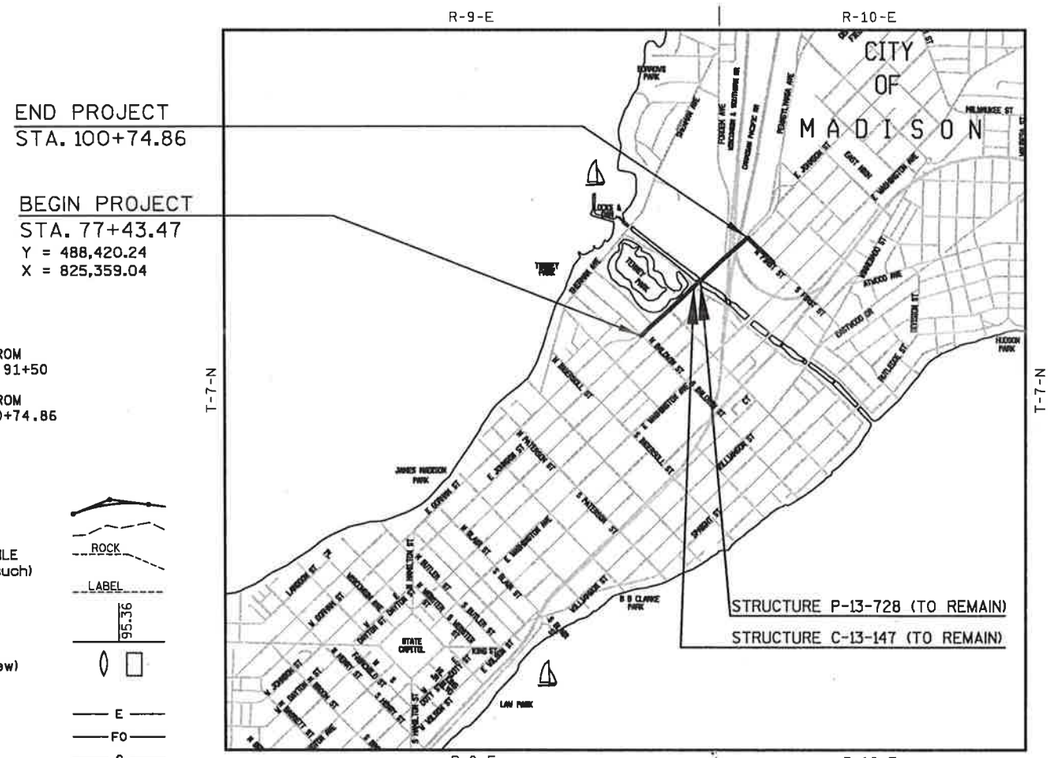
LOCAL STREET

DANE COUNTY



N

STATE PROJECT NUMBER	STATE PROJECT NUMBER	STATE PROJECT NUMBER
5992-09-14	5992-09-15	5992-09-16
ROADWAY	LOCAL UTILITIES (WATER MAIN)	LOCAL UTILITIES (SANITARY SEWER)



LAYOUT

SCALE 0 0.25 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.442 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY.

DESIGN DESIGNATION

A.A.D.T. (2019)	=	28,500
A.A.D.T. (2039)	=	30,000
D.H.V.	=	2,970
D.D.	=	59/41
T.	=	2.38%
DESIGN SPEED	=	25-30 MPH*
ESALS	=	1,800,000

*25 MPH DESIGN SPEED FROM STA. 77+43.47 TO STA. 91+50

*30 MPH DESIGN SPEED FROM STA. 91+50 TO STA. 100+74.86

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE	PL + 58.1	ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		**UTILITIES**	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
		TELEPHONE	T
MARSH AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

SANITARY SEWER AND WATER MAIN
DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN
STEPHANIE B. THOMSEN
E-41691
MADISON
WI
7-12-18
PROFESSIONAL ENGINEER

STREET LIGHTING/TRAFFIC SIGNALS
DESIGNED BY: CITY OF MADISON

WISCONSIN
BRIAN J. SMITH
E-37284
MADISON
WI
7-9-18
PROFESSIONAL ENGINEER

ACCEPTED FOR THE CITY OF MADISON

DATE: 7/9/18 CITY ENGINEER

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843

WISCONSIN
ERIC D. HANSON
E-38350
MADISON, WI
PROFESSIONAL ENGINEER
7-11-18

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Management Consultant	KL ENGINEERING, INC.

APPROVED FOR THE DEPARTMENT

DATE: 7/30/18 (Management Consultant Signature)

E

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE AREA THAT ARE NOT SHOWN.

PROTECT EXISTING STREET TREES. TREES OR SHRUBS ARE NOT TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK, MATCH EXISTING CONCRETE, ASPHALT OR STRUCTURES (WALLS, BUILDINGS, ETC. THAT ARE CONSTRUCTED TO THE PROPERTY LINE) BEHIND THE SIDEWALK. WHERE TURF EXISTS BEHIND THE SIDEWALK, KEEP DISTANCE TO WITHIN 6 INCHES OF THE SIDEWALK AND RESTORE WITH TOPSOIL AND SEED. REPLACE SIDEWALK AS SHOWN IN THE PLAN AND AS REQUIRED FOR SANITARY LATERAL CONSTRUCTION. IF A SINGLE SECTION OF SIDEWALK REMAINS AS A RESULT OF REPLACING THE SQUARES ON EACH SIDE OF IT, REPLACE THE SINGLE REMAINING SECTION.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK WITH AN EXISTING CROSS SLOPE STEEPER THAN 1.5%, HOLD THE ELEVATION AT THE BACK OF SIDEWALK AND RASIE THE FRONT SIDE OF THE SIDEWALK AS NEEDED TO PROVIDE A 1.5% CROSS SLOPE.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA PAVEMENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

ASPHALTIC PAVING TABLES

E. JOHNSON STREET		
	THICKNESS	MIX TYPE
UPPER LAYER	2.5"	4 MT 58-28 H
LOWER LAYER	4"	3 MT 58-28 S

DESIGNER NOTES

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR STREET LIGHTING AND PERMANENET TRAFFIC SIGNAL COMPONENTS PROVIDED BY CITY OF MADISON.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR REMAINING ITEMS PROVIDED BY STRAND ASSOCIATES, INC.

CITY OF MADISON CONTACT

CHRIS PETYKOWSKI, P.E.
210 MARTIN LUTHER KING JR. BLVD., RM 115
MADISON, WI 53703
(608) 267-8678
E-MAIL: cpetykowski@cityofmadison.com

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: eric.hanson@strand.com

DNR LIAISON

ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301
E-MAIL: eric.heggelund@wisconsin.gov

RAILROAD CONTACT

ROGER SCHAALMA
WISCONSIN & SOUTHERN RAILROAD
1890 E. JOHNSON STREET
MADISON, WI 53704
(608) 620-2044
E-MAIL: rschaalma@watcocompanies.com

WISDOT FTMS CONTACT

DEAN BEEKMAN, P.E.
WISDOT TRAFFIC MANAGEMENT CENTER
433 W. ST. PAUL AVE.
MILWAUKEE, WI 53203
(414) 227-2154
E-MAIL: Dean.Beekman@dot.wi.gov

UTILITIES

ATC MANAGEMENT, INC. - ELECTRICITY
ATTENTION: DOUG VOSBERG
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527-9598
(608) 877-7650
CELL: (608) 438-7650
E-MAIL: dvosberg@atcllc.com

ATC MANAGEMENT, INC. - COMMUNICATION
ATTENTION: MART ALDRICH
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527-9598
(608) 877-8184
E-MAIL: maldrich@atcllc.com

AT&T WISCONSIN - COMMUNICATION
ATTENTION: SCOTT SOKOLOWSKI
435 S. 95TH STREET
MILWAUKEE, WI 53214
(414) 258-5239
E-MAIL: ms4143@att.com

AT&T TRANSMISSION - COMMUNICATION
ATTENTION: WILLIAM KOENIG
128 W. SUNSET AVENUE
APPLETON, WI 54911
(574) 842-8830
CELL: (608) 628-0575
E-MAIL: wekoenig@att.net

CENTURYLINK - COMMUNICATION
ATTENTION: BRAHIM GADDOUR
3235 INTERTECH DRIVE, SUITE 600
BROOKFIELD, WI 53045
(414) 908-1027
CELL: (414) 704-1023
brahim.gaddour@centurylink.com

CHARTER COMMUNICATIONS - COMMUNICATION
ATTENTION: JON MARSCHKE
2701 DANIELS STREET
MADISON, WI 53718
(608) 274-3822
CELL: (608) 225-2479
E-MAIL: jon.marschke@charter.com

CITY OF MADISON - COMMUNICATION
ATTENTION: BRIAN SMITH
MADISON MUNICIPAL BUILDING, SUITE 109
215 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53701
(608) 261-9625
E-MAIL: bsmith@cityofmadison.com

CITY OF MADISON - SANITARY SEWER
ATTENTION: MARK MODER, P.E.
210 MARTIN LUTHER KING JR. BLVD., ROOM 115
MADISON, WI 53703
(608) 261-9250
E-MAIL: mmoder@cityofmadison.com

MADISON GAS AND ELECTRIC - ELECTRIC
ATTENTION: MARK BOHM & RICH PARKER
133 S. BLAIR STREET
MADISON, WI 53788
MARK BOHM: (608) 252-4730, CELL: (608) 516-7930
RICH PARKER: (608) 252-7379, CELL: (608) 444-9619
E-MAIL: mbohm@mge.com & rparker@mge.com

MADISON GAS AND ELECTRIC - GAS/PETROLEUM
ATTENTION: ROGER AHLES
623 RAILROAD STREET
MADISON, WI 53701
(608) 252-5682
E-MAIL: rahles@mge.com

MADISON METROPOLITAN SEWERAGE DISTRICT - SANITARY SEWER
ATTENTION: RAY SCHNEIDER
1610 MOORLAND ROAD
MADISON, WI 53713
(608) 222-1201 EXT. 259
CELL: (608) 347-3628
E-MAIL: rays@madsewer.com

MADISON WATER UTILITY - WATER
ATTENTION: ADAM WIEDERHOEFT
119 EAST OLIN AVENUE
MADISON, WI 53713-1431
(608) 266-9121
E-MAIL: awiederhoeft@cityofmadison.com

MIDWEST FIBER NETWORKS - COMMUNICATION
ATTENTION: CORY SCHMUKI
6070 N. FLINT ROAD
GLENDALE, WI 53209
(414) 349-2764
CELL: (414) 349-2764
E-MAIL: cschmuki@midwestfibernetworks.com

ROGERS TELECOM - COMMUNICATION
ATTENTION: KEITH JACKSON
4804 N. 40TH STREET
SHEBOYGEN, WI 53083
(920) 395-7121
CELL: (920) 889-9905
E-MAIL: Kjackson@gabes.com

SPRINT - COMMUNICATION
ATTENTION: PATRICK BERRY
(608) 566-9073
E-MAIL: patrick.j.berry@sprint.com

U.S. SIGNAL - COMMUNICATION
ATTENTION: ROB FISHER
7020 SOUTHBELT DRIVE SE
CALEDONIA, MI 49316
(616) 988-5319
CELL: (616) 862-7102
E-MAIL: rfisher@tkns.net

VERIZON - COMMUNICATION
ATTENTION: JOE CHANEY, JR.
7719 W. 60TH STREET
SUMMIT, IL 60501
(312) 617-2131
E-MAIL: joe.chaney@verizon.com

WINDSTREAM - COMMUNICATION
ATTENTION: KEVIN PARRIS
1858 WRIGHT STREET
MADISON, WI 53704
CELL: (608) 416-3291
E-MAIL: kevin.j.parris@windstream.com

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
FTMS REMOVALS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
WATER UTILITY PLAN
SANITARY SEWER UTILITY PLAN
SIGN REMOVAL DETAILS
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNALS
TEMPORARY TRAFFIC SIGNALS
PAVEMENT MARKING
TRAFFIC CONTROL
-LEGEND AND NOTES
-CONSTRUCTION STAGING DETAILS
-PEDESTRIAN ROUTING OVERVIEWS
-ADVANCED WARNING SIGNING
-CONSTRUCTION STAGING SHEETS
-DETOUR SIGNING
-ALTERNATE ROUTE SIGNING
ALIGNMENT AND CONTROL POINT DATA

ID: 5992-09-15 IS FOR WATER MAIN CONSTRUCTION
ID: 5992-09-16 IS FOR SANITARY SEWER CONSTRUCTION

CITY OF MADISON

TENNEY PARK

N. BALDWIN ST.

MARSTON AVE.

75+00

80+00

85+00

90+00

95+00

100+00

E. JOHNSON ST.

C-13-147
(TO REMAIN)

YAHARA RIVER

8+00 YP

P-13-728
(TO REMAIN)

'PL' LINE

'YP' LINE

N. THORNTON AVE.

N. DICKINSON ST.

BEGIN CONSTRUCTION
STA. 74+97.07

BEGIN PROJECT
STA. 77+43.47

END CONSTRUCTION
STA. 11+39.02 FO

15+00 FO

FORDEM AVE.

WISCONSIN & SOUTHERN RAILROAD

CANADIAN PACIFIC

END PROJECT
STA. 100+74.86

S-13-359

105+

STH 113

END CONSTRUCTION
STA. 104+90.38

STH 113 (N. FIRST ST.) 15+00 FI

E. DAYTON ST.

E. MIFFLIN ST.

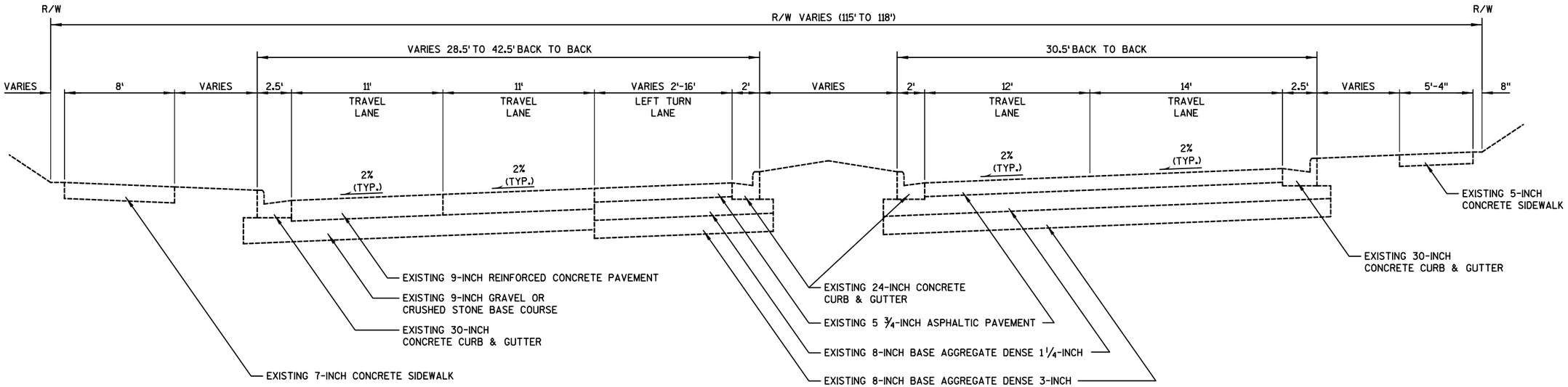
END CONSTRUCTION
STA. 16+06.55 FI

USH 151 (E. WASHINGTON AVE.)

PROJECT NO: 5992-09-14/15/16	HWY: E. JOHNSON STREET	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

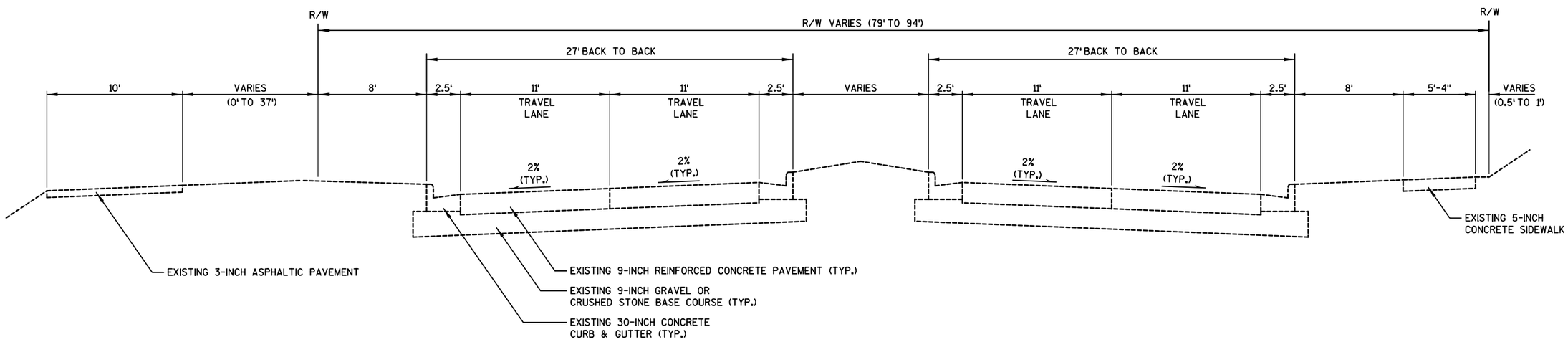
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\020201_po.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

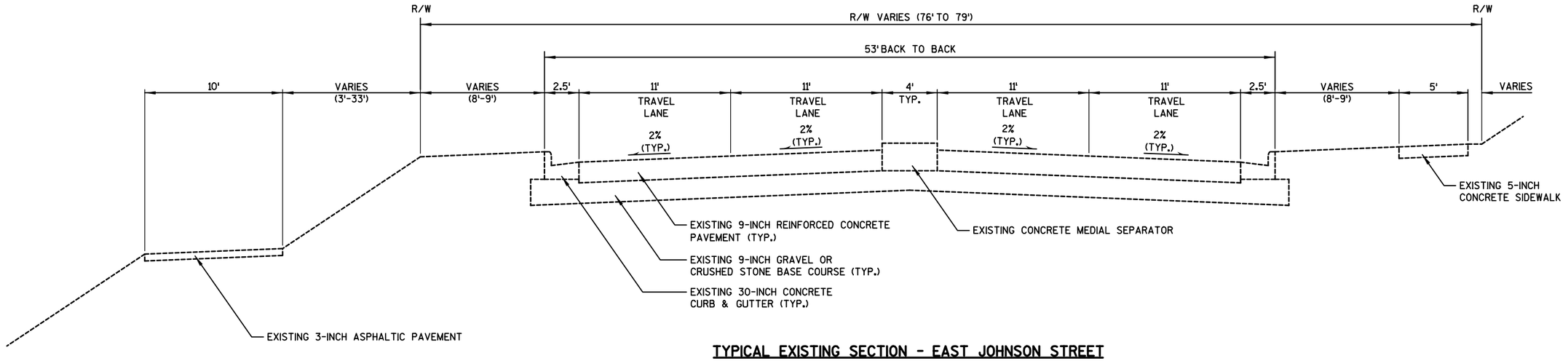
STA. 74+97 - STA. 77+44



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

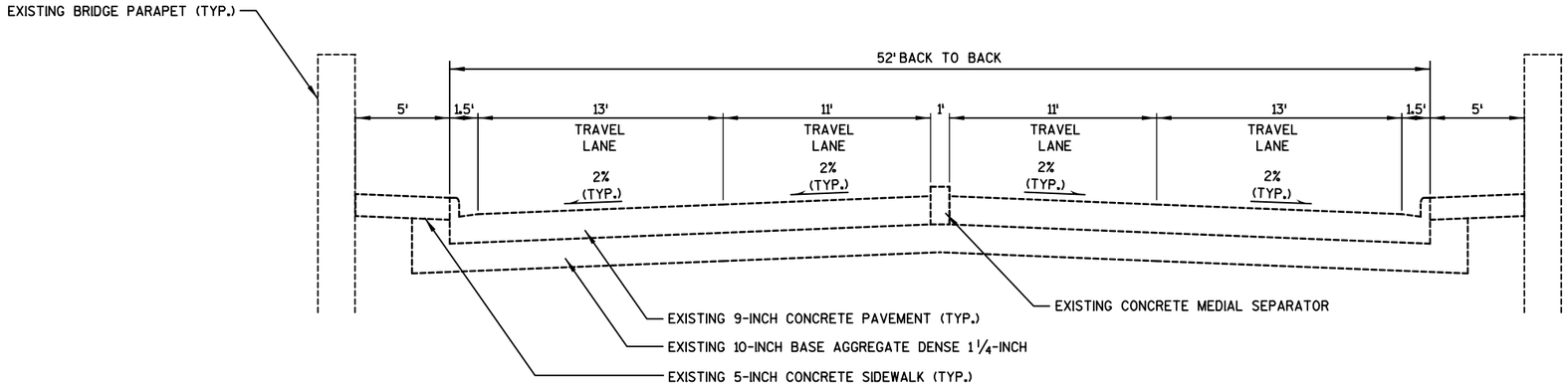
STA. 77+44 - STA. 81+11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 4	E



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

STA. 81+11 - STA. 87+90

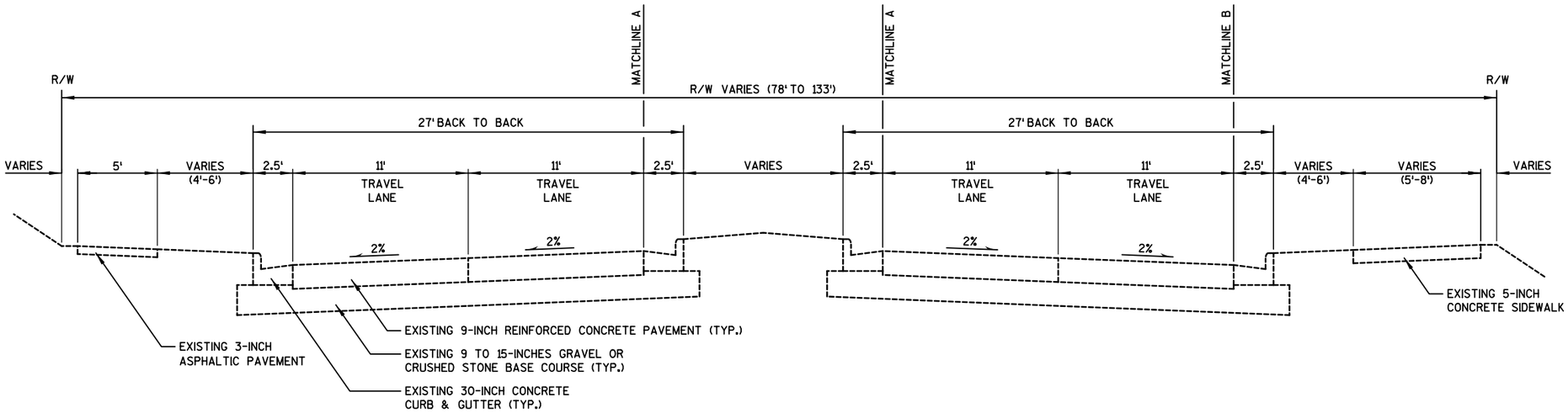


TYPICAL EXISTING SECTION - EAST JOHNSON STREET

STA. 87+90 - STA. 89+75

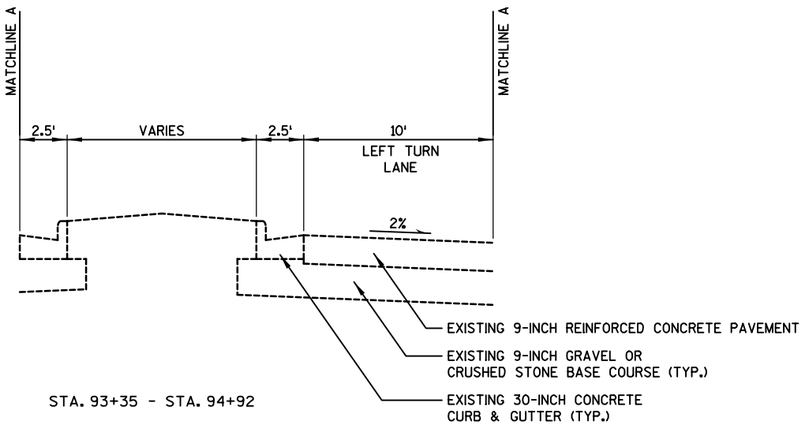
(YAHARA RIVER BRIDGE, P-13-728)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 5	E

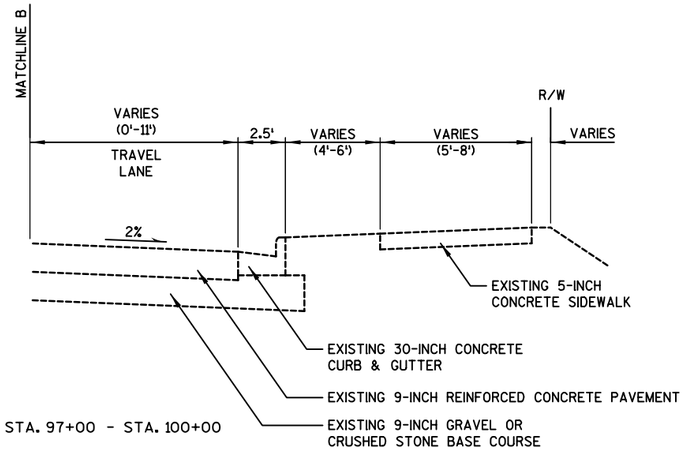


TYPICAL EXISTING SECTION - EAST JOHNSON STREET

STA. 89+75 - STA. 100+00

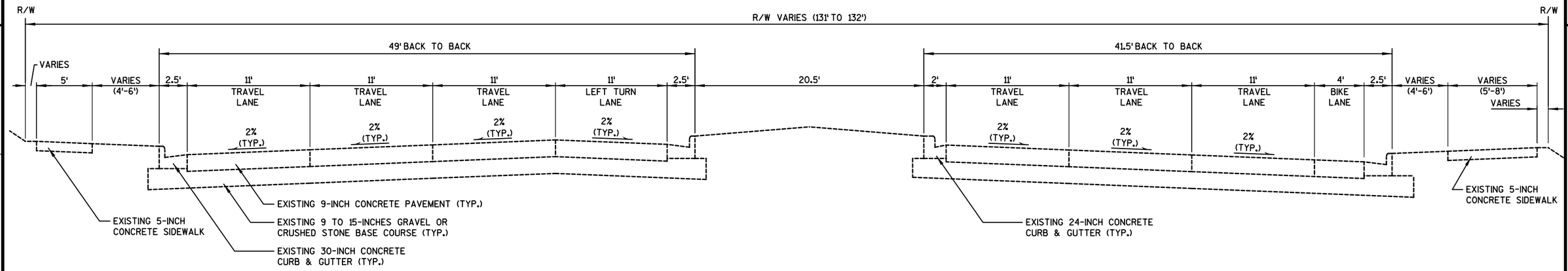


STA. 93+35 - STA. 94+92



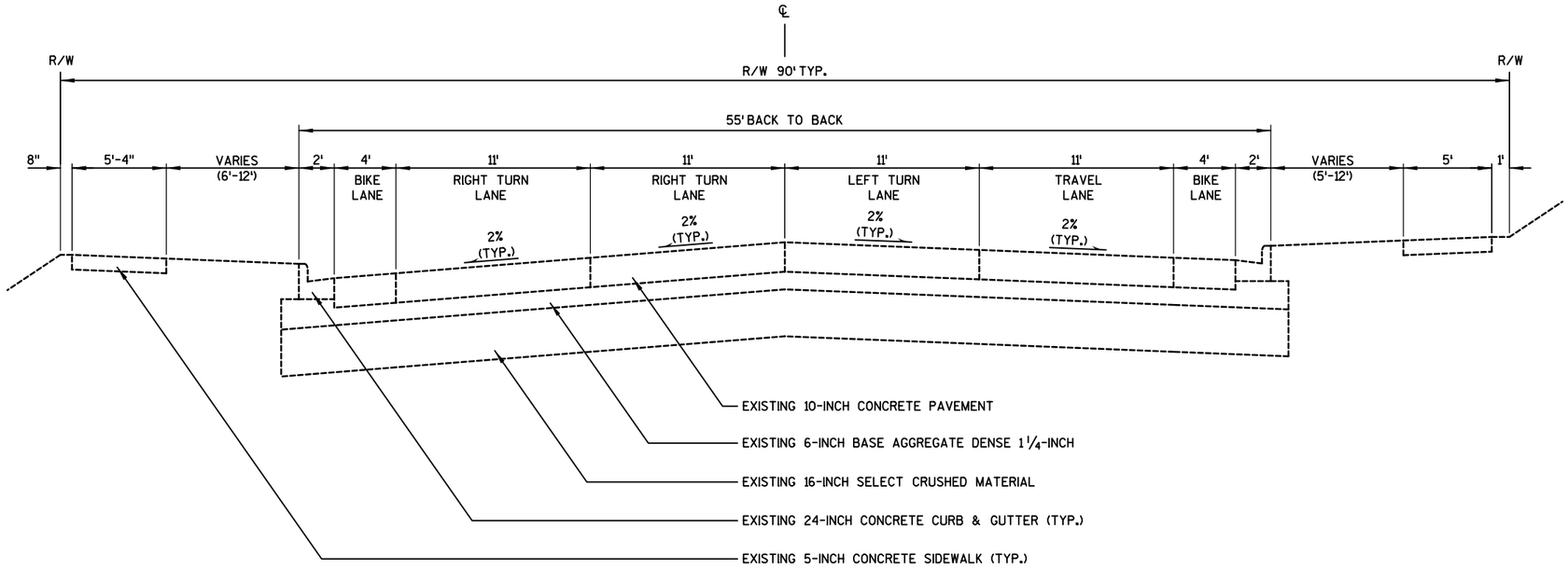
STA. 97+00 - STA. 100+00

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 6	E



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

STA. 100+00 - STA. 104+90

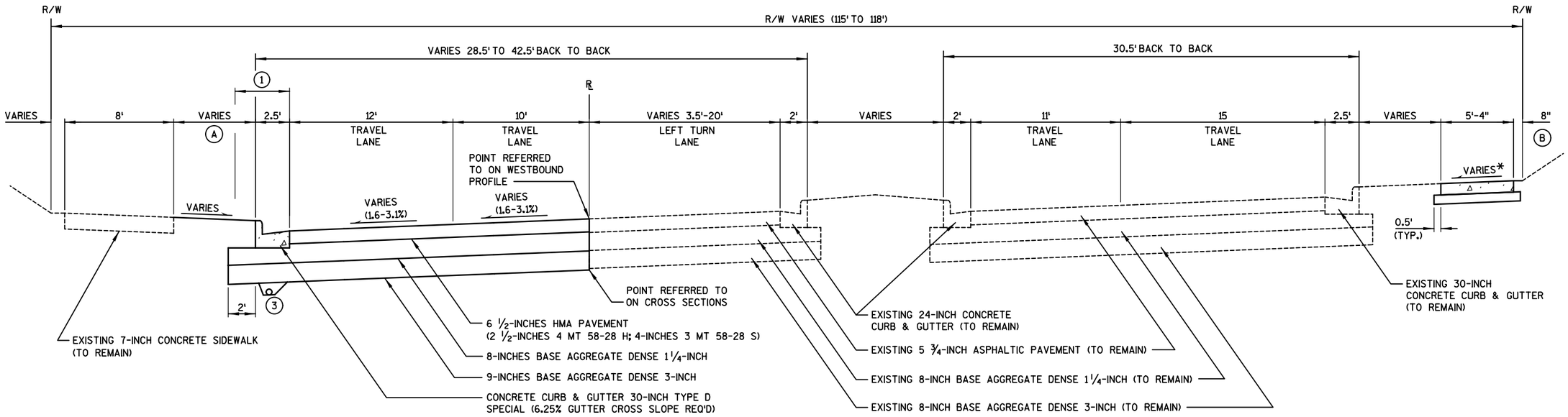


TYPICAL EXISTING SECTION - STH 113 (FIRST STREET)

STA. 10+80 - STA. 16+07

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET	E

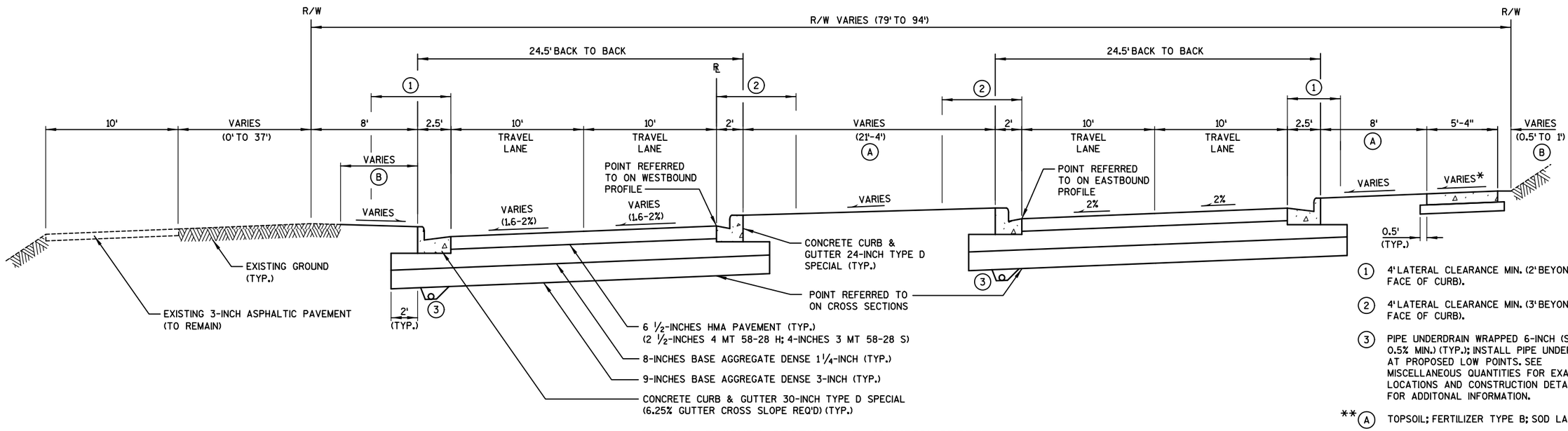
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\020303_ts.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION - E. JOHNSON STREET

STA. 75+48 - STA. 77+44

* EXISTING CONCRETE SIDEWALK TO REMAIN (2% MAX.) OR NEW CONCRETE SIDEWALK 5-INCH OR 7-INCH (1.5% TYP.) OVER 2" BASE AGGREGATE DENSE 3/4-INCH. SEE PLAN DETAILS FOR LOCATIONS.



TYPICAL FINISHED SECTION - E. JOHNSON STREET

STA. 77+44 - STA. 81+11

** 18-INCHES TOPSOIL IN MEDIANS, 4-INCHES ELSEWHERE.

(1) 4' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

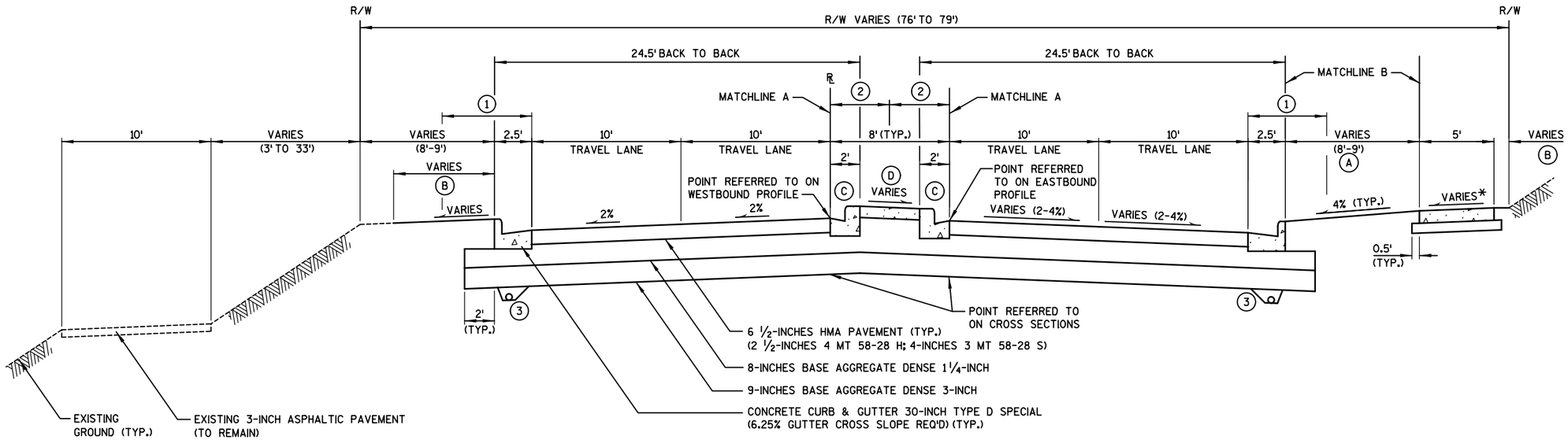
(2) 4' LATERAL CLEARANCE MIN. (3' BEYOND FACE OF CURB).

(3) PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITONAL INFORMATION.

**(A) TOPSOIL; FERTILIZER TYPE B; SOD LAWN.

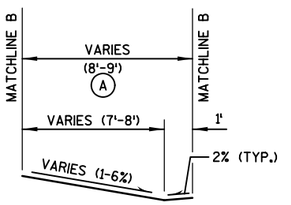
**(B) TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E

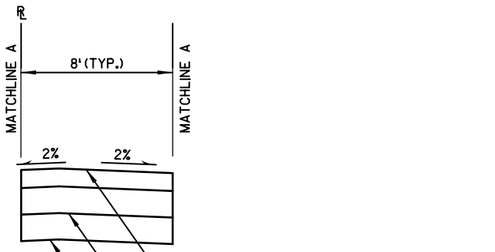


TYPICAL FINISHED SECTION - E. JOHNSON STREET

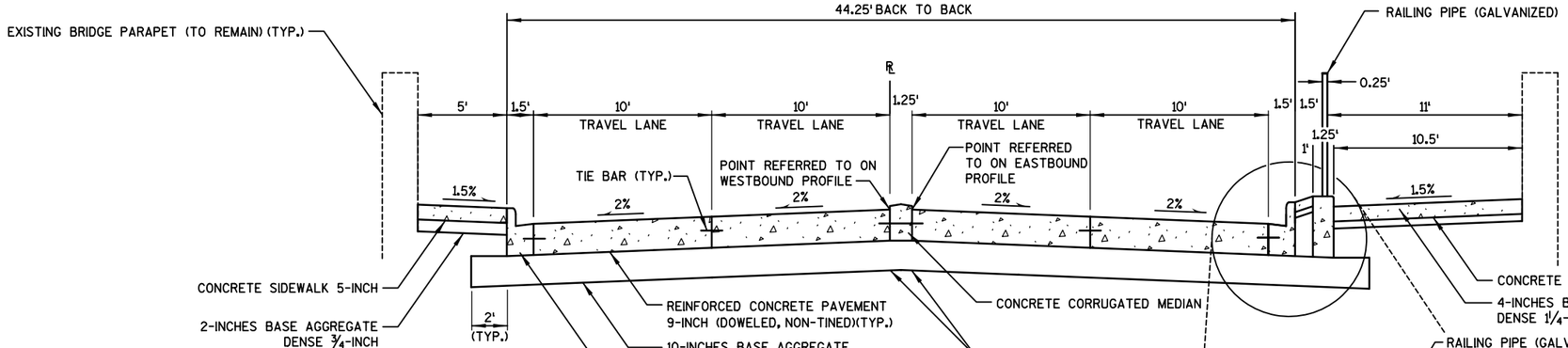
STA. 81+11 - STA. 87+90

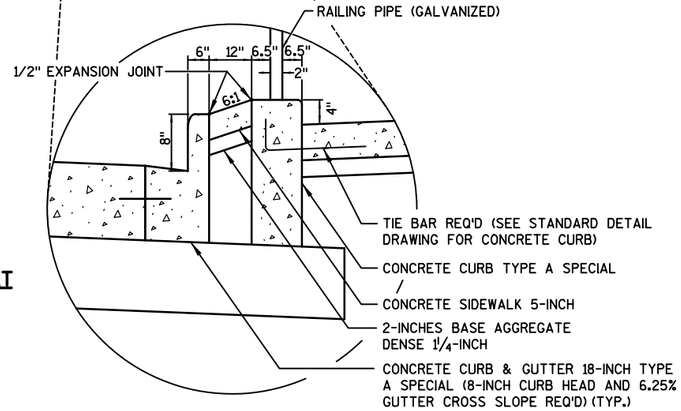


STA. 83+90 - STA. 86+50



STA. 81+11 - STA. 87+90
(IN AREAS OF NO RAISED MEDIAN)





TYPICAL FINISHED SECTION - E. JOHNSON STREET

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)
(SEE CONSTRUCTION DETAIL "RUBBERIZED MEMBRANE WATERPROOFING" FOR ADDITIONAL INFORMATION)

(1) 4' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

(2) 4' LATERAL CLEARANCE MIN. (3' BEYOND FACE OF CURB).

(3) PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITONAL INFORMATION.

** (A) TOPSOIL; FERTILIZER TYPE B; SOD LAWN.

** (B) TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

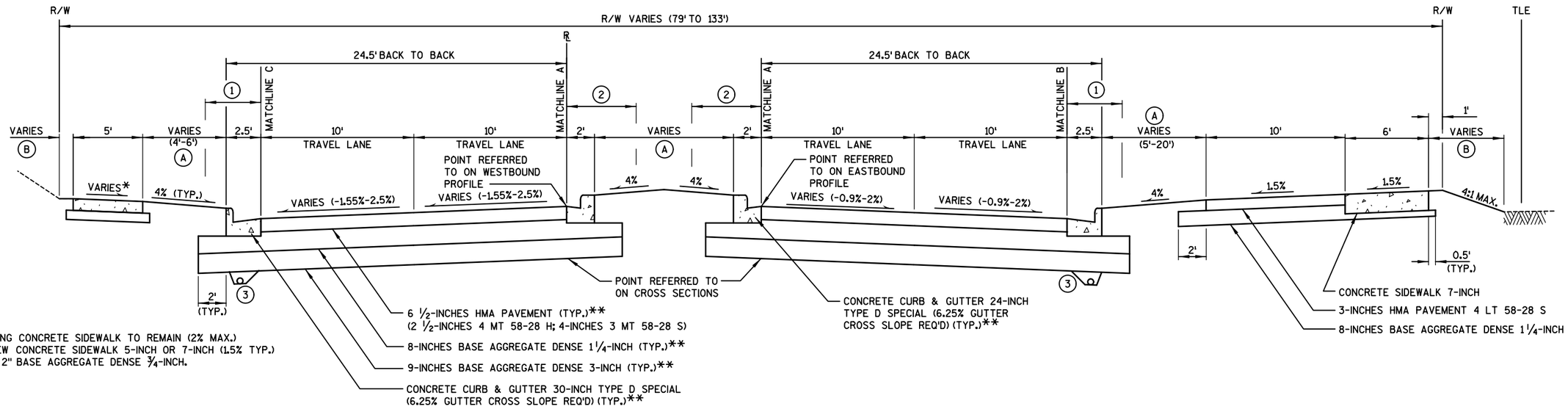
** 18-INCHES TOPSOIL IN MEDIANS, 4-INCHES ELSEWHERE.

(C) CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (6.25% GUTTER CROSS SLOPE REQ'D) (TYP.)

(D) CONCRETE SIDEWALK 5-INCH

* EXISTING CONCRETE SIDEWALK TO REMAIN (2% MAX.) OR NEW CONCRETE SIDEWALK 5-INCH OR 7-INCH (1.5% TYP.) OVER 2" BASE AGGREGATE DENSE 3/4-INCH. SEE PLAN DETAILS FOR LOCATIONS.

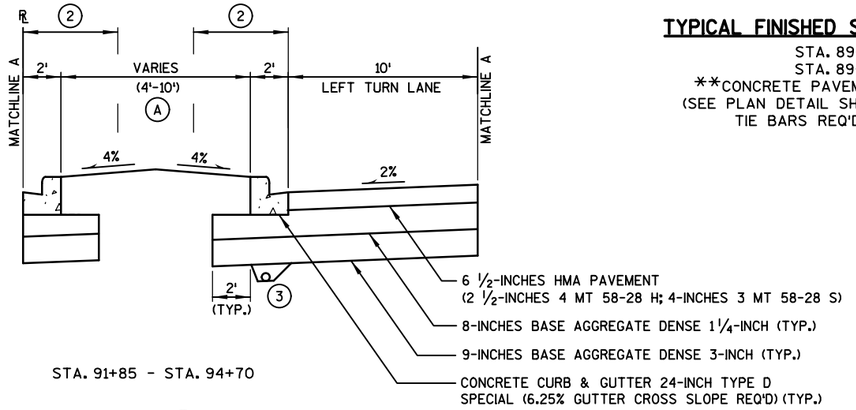
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E



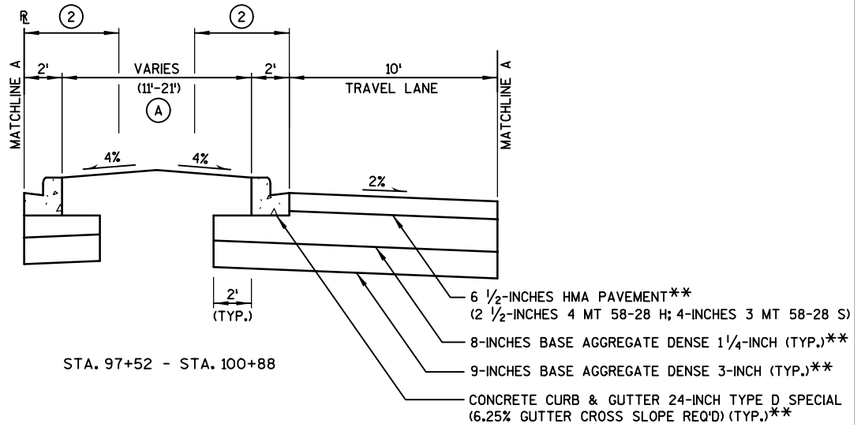
* EXISTING CONCRETE SIDEWALK TO REMAIN (2% MAX.) OR NEW CONCRETE SIDEWALK 5-INCH OR 7-INCH (1.5% TYP.) OVER 2" BASE AGGREGATE DENSE 3/4-INCH.

TYPICAL FINISHED SECTION - E. JOHNSON STREET

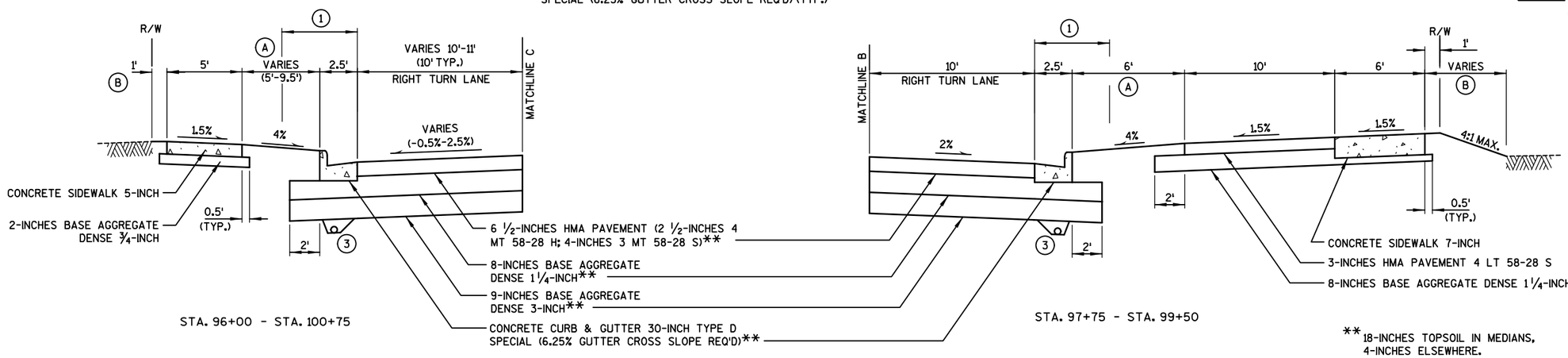
STA. 89+75 - STA. 100+75 LT
STA. 89+75 - STA. 100+88 RT
CONCRETE PAVEMENT BEGINNING AT STA. 99+42
(SEE PLAN DETAIL SHEETS FOR ADDITIONAL INFORMATION; TIE BARS REQ'D WHEN CONCRETE PAVEMENT)



STA. 91+85 - STA. 94+70



STA. 97+52 - STA. 100+88



STA. 96+00 - STA. 100+75

STA. 97+75 - STA. 99+50

** 18-INCHES TOPSOIL IN MEDIANS, 4-INCHES ELSEWHERE.

(1) 4' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

(2) 4' LATERAL CLEARANCE MIN. (3' BEYOND FACE OF CURB).

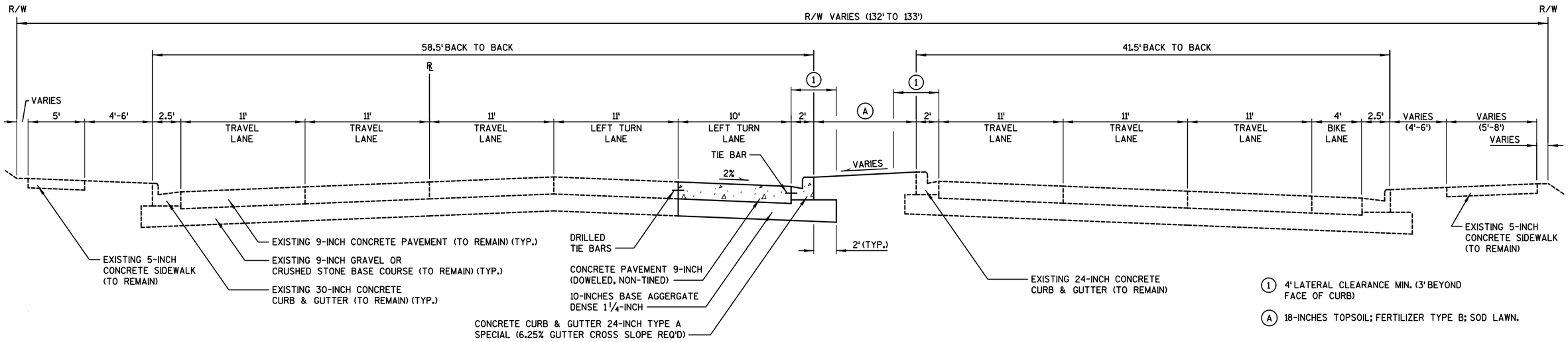
(3) PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITONAL INFORMATION.

**(A) TOPSOIL; FERTILIZER TYPE B; SOD LAWN.

**(B) TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TYPICAL SECTIONS	SHEET 10	E

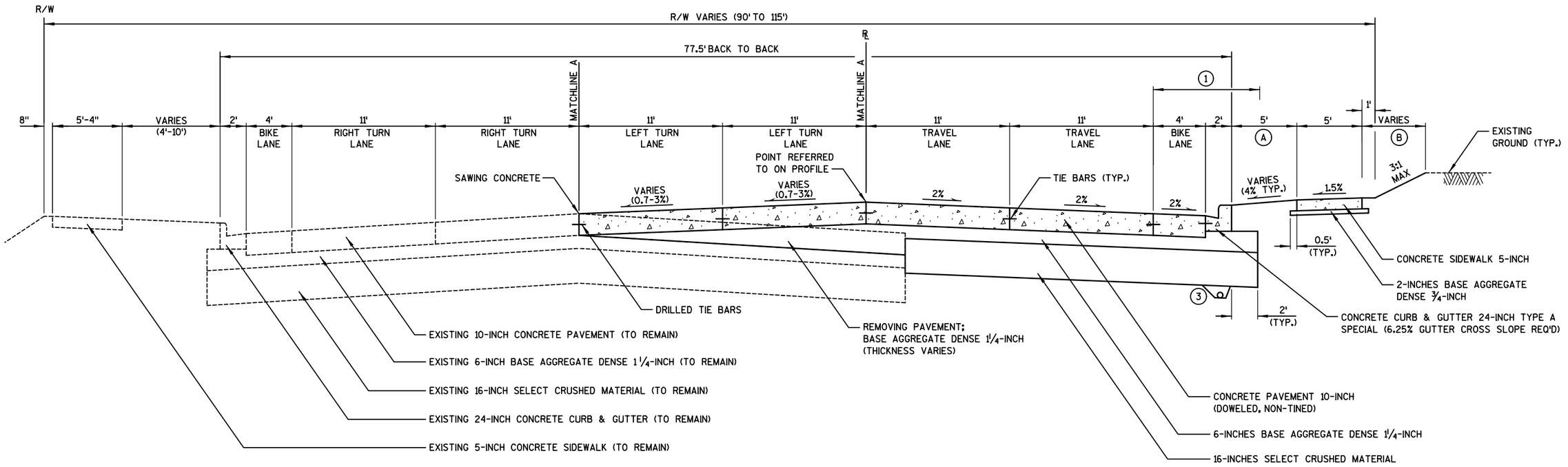
2



TYPICAL FINISHED SECTION - EAST JOHNSON STREET (STH 113)

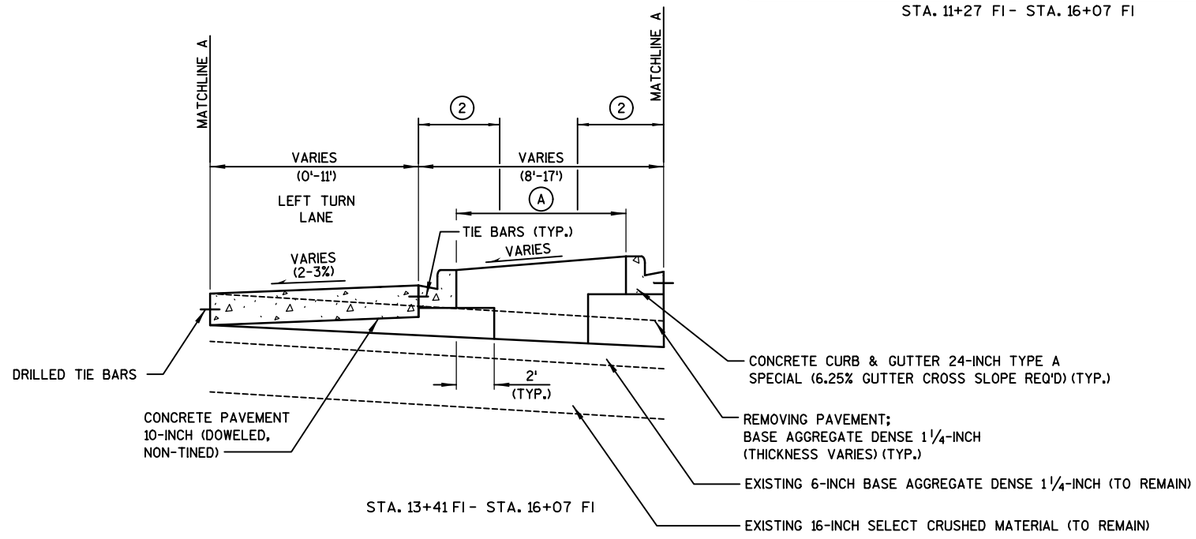
STA. 100+75 - STA. 104+90 LT

2



TYPICAL FINISHED SECTION - STH 113 (FIRST STREET)

STA. 11+27 FI - STA. 16+07 FI



STA. 13+41 FI - STA. 16+07 FI

① 7' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

② 4' LATERAL CLEARANCE MIN. (3' BEYOND FACE OF CURB).

③ PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITONAL INFORMATION.

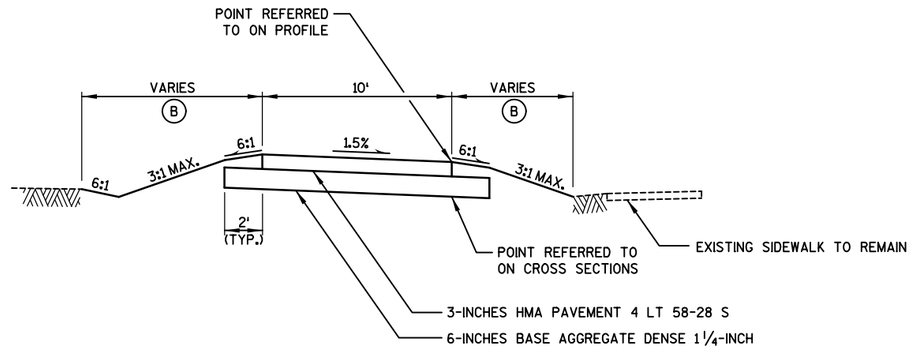
** Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN.

** Ⓑ TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

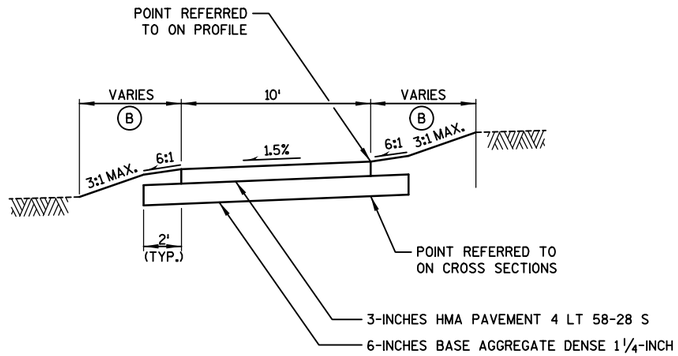
** 18-INCHES TOPSOIL IN MEDIANS, 4-INCHES ELSEWHERE.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TYPICAL SECTIONS	SHEET 12	E

2



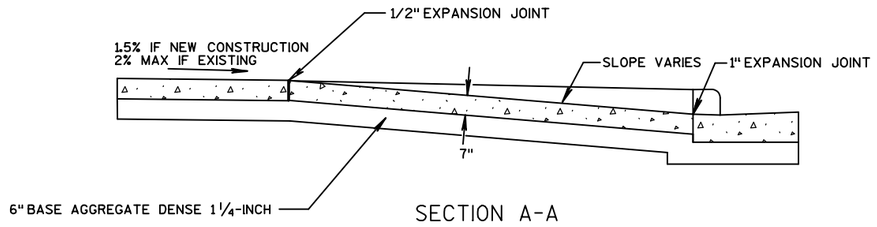
TYPICAL FINISHED SECTION - PL LINE



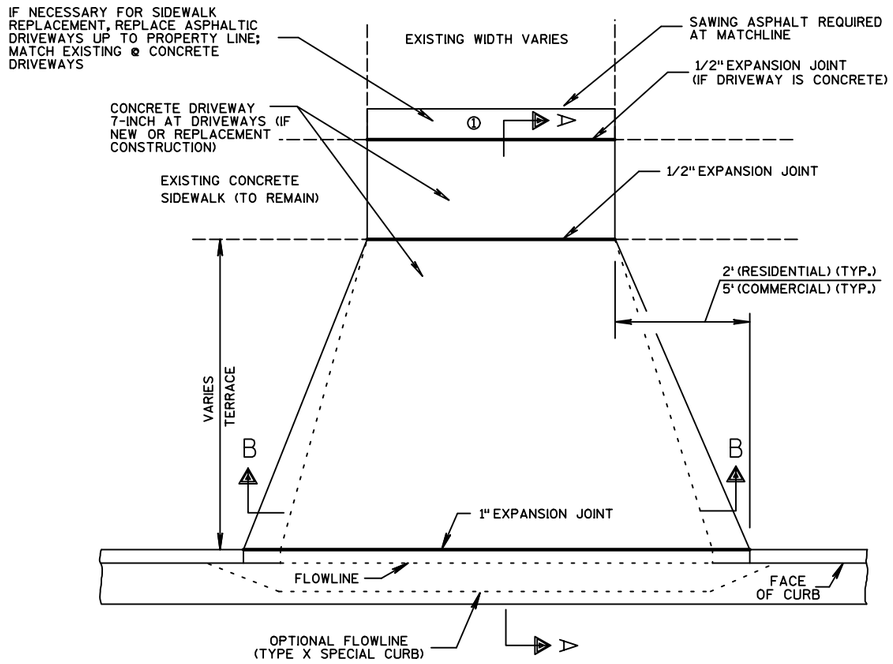
TYPICAL FINISHED SECTION - YP LINE

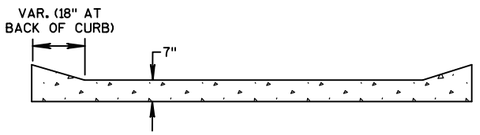
(B) TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TYPICAL SECTIONS	SHEET 13	E



SECTION A-A



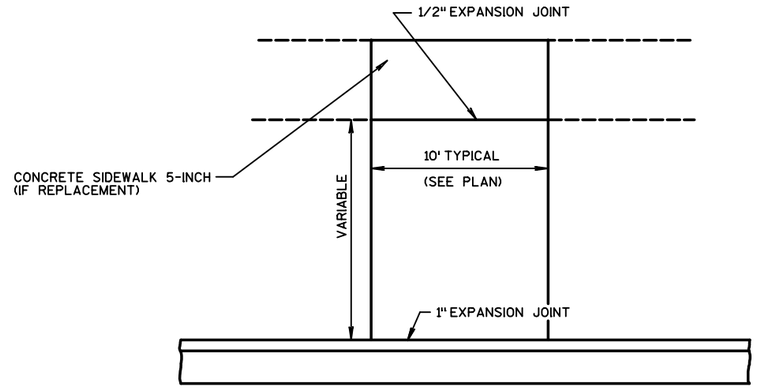


SECTION B-B

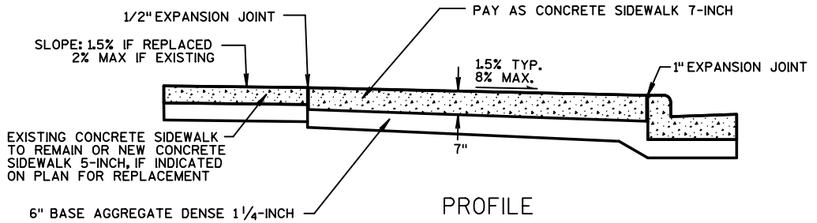
① FOR ASPHALT DRIVEWAYS PLACE 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

FOR CONCRETE DRIVEWAYS PLACE CONCRETE DRIVEWAY 7-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

CONCRETE DRIVE APRON DETAIL

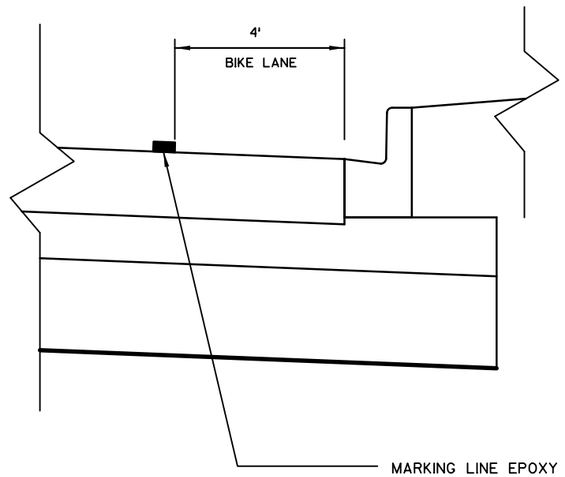


PLAN



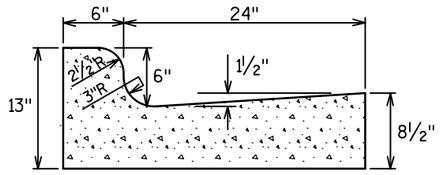
PROFILE

BUS BOARDING PAD DETAIL

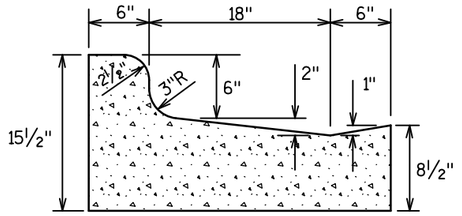


NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
SEE S.D.D "BICYCLE LANE MARKING" FOR ADDITIONAL INFORMATION.

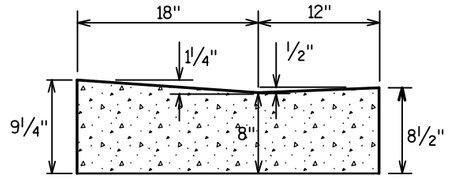
FIRST STREET BIKE LANE PAVEMENT MARKING LOCATION



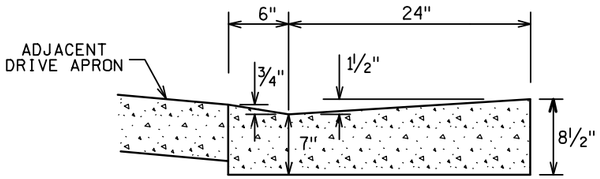
CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL
(CITY OF MADISON TYPE 'A' CURB & GUTTER)



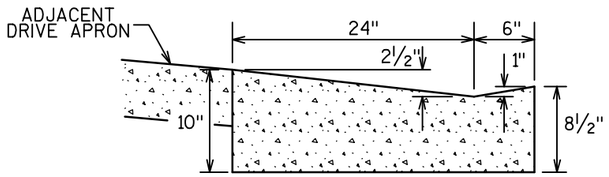
CONCRETE CURB & GUTTER 30-INCH TYPE AX AND TYPE DX SPECIAL
(CITY OF MADISON TYPE 'X' CURB & GUTTER)



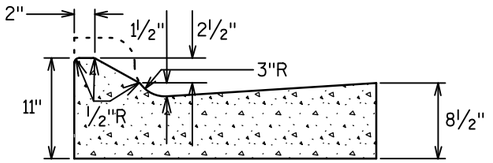
PEDESTRIAN RAMP SECTION
CONCRETE CURB & GUTTER 30-INCH TYPE AX AND TYPE DX SPECIAL
(CITY OF MADISON TYPE 'X' CURB & GUTTER)



DRIVEWAY SECTION
CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL
(CITY OF MADISON TYPE 'A' CURB & GUTTER)



DRIVEWAY SECTION
CONCRETE CURB & GUTTER 30-INCH TYPE DX SPECIAL
(CITY OF MADISON TYPE 'X' CURB & GUTTER)



CONCRETE CURB & GUTTER 30-INCH TYPE D MOUNTABLE SPECIAL
(CITY OF MADISON TYPE 'A' CURB & GUTTER)

GENERAL NOTES:

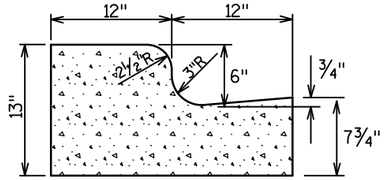
PLACE LATERAL CONTRACTION JOINTS AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

PLACE EXPANSION JOINTS TRANSVERSLY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE ½" THICK.

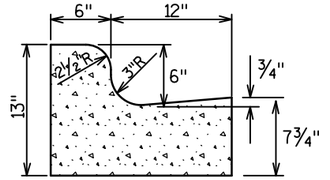
IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED BASE AGGREGATE DENSE.

TRANSITIONS BETWEEN TYPE D CURB AND TYPE X CURB ARE TO BE MADE OVER A MINIMUM OF 6 FT. LENGTHEN TRANSITIONS AS NECESSARY TO MAINTAIN DRAINAGE ALONG THE FLOW LINE. TRANSITIONS ARE PAID FOR AS "CONCRETE CURB & GUTTER 30-INCH TYPE X SPECIAL" OR AS NOTED.

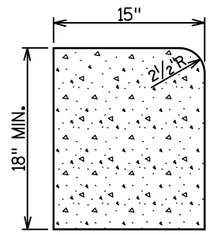
TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A AND AX.



CONCRETE CURB & GUTTER 24-INCH TYPE A & TYPE D SPECIAL
(CITY OF MADISON TYPE 'H' CURB & GUTTER)



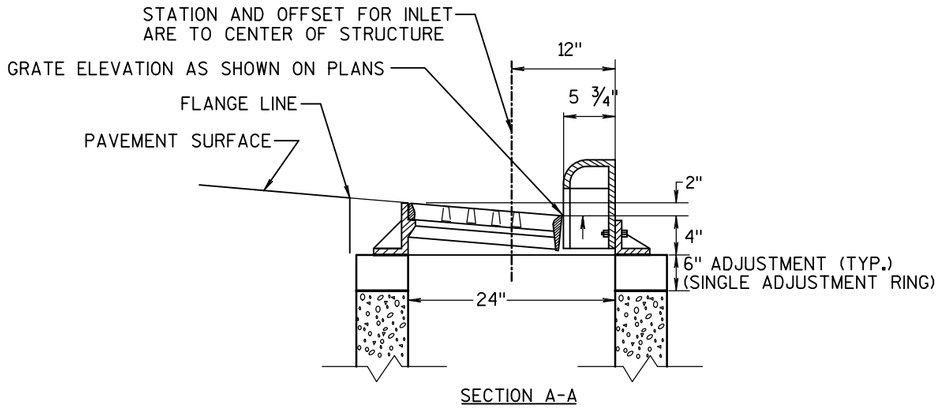
CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
(CITY OF MADISON TYPE 'H' CURB & GUTTER)



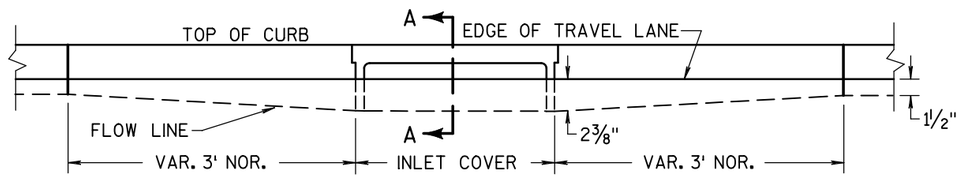
CONCRETE CURB TYPE A SPECIAL

CONCRETE CURB AND CONCRETE CURB & GUTTER DETAILS

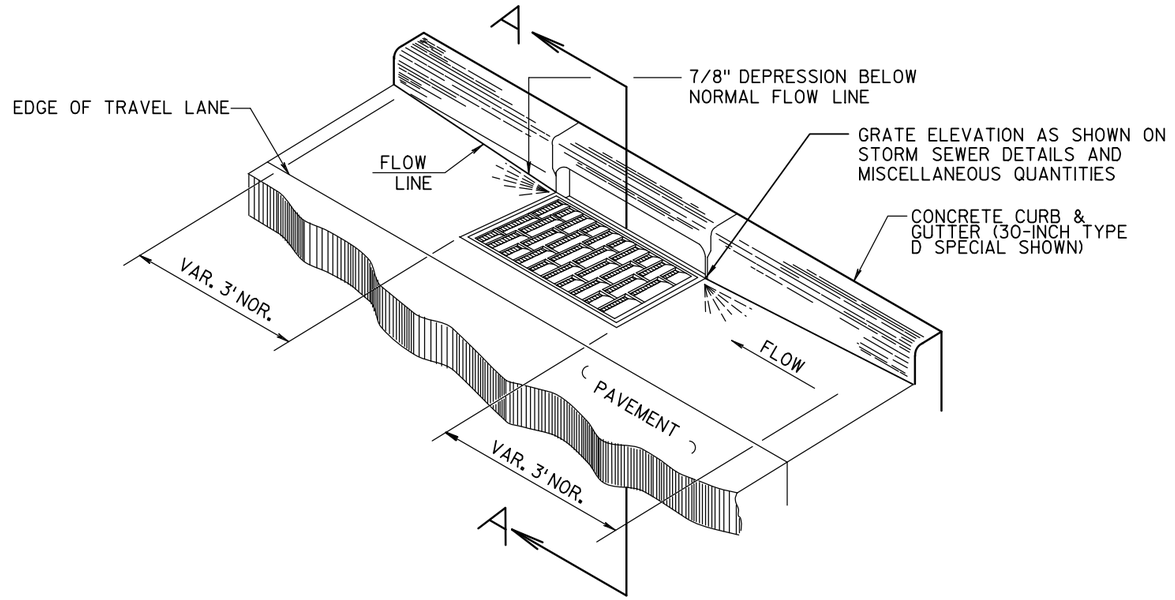
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 15	E



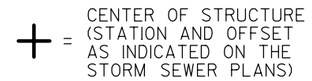
SECTION A-A

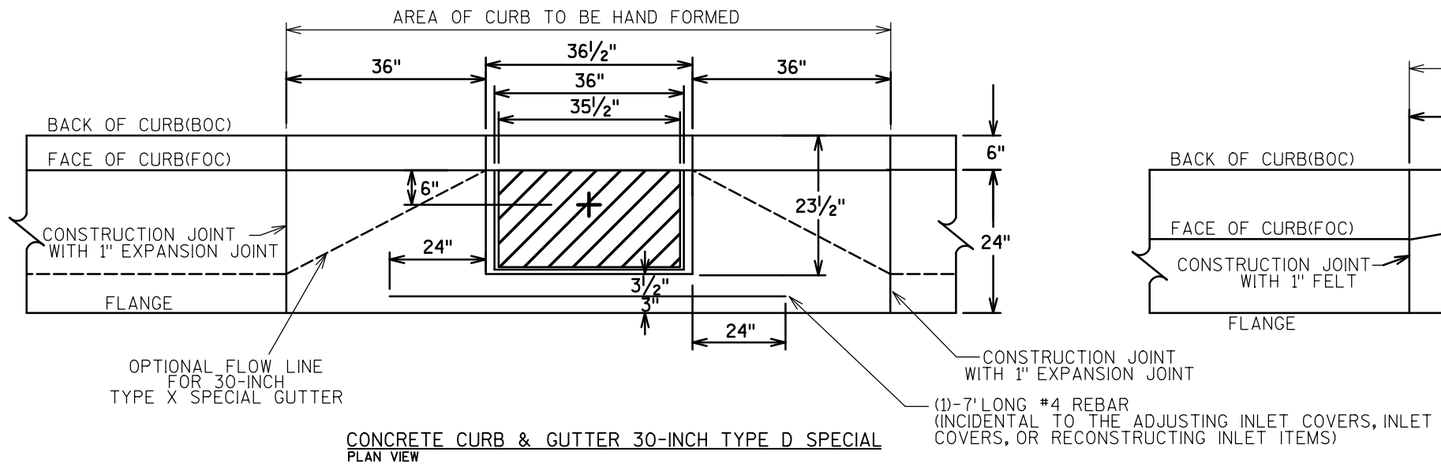


ELEVATION

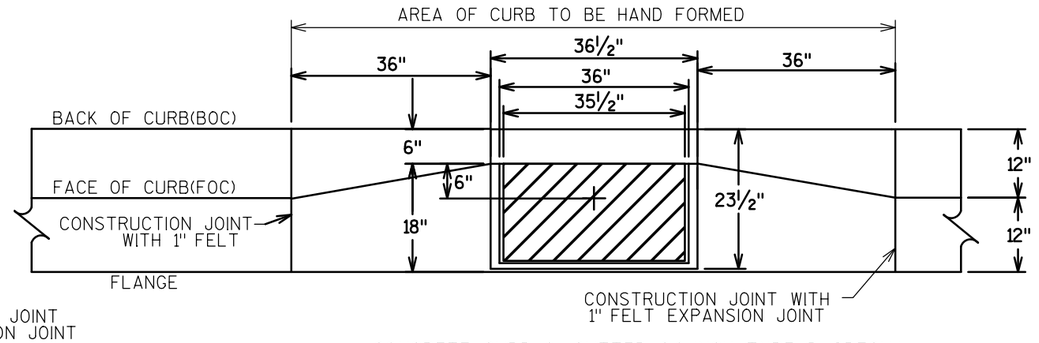


CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL AT INLET DETAIL





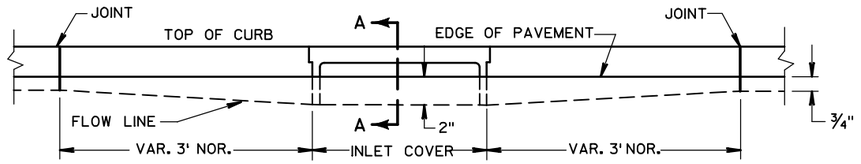
CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
PLAN VIEW



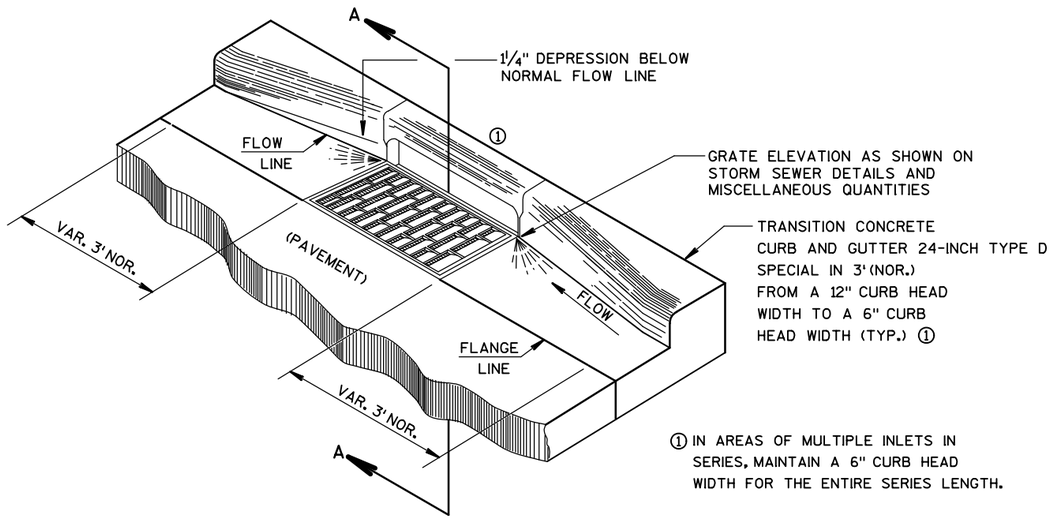
CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
PLAN VIEW

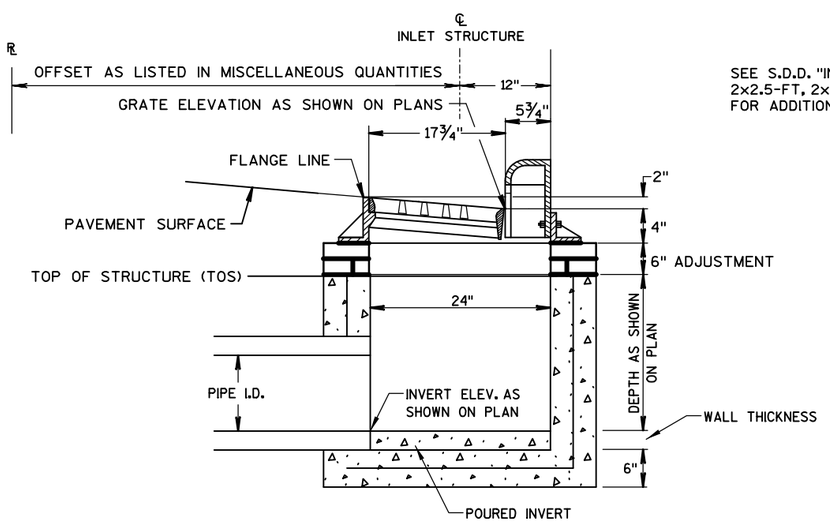
CURB & GUTTER AT INLET DETAIL

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 16	E



ELEVATION

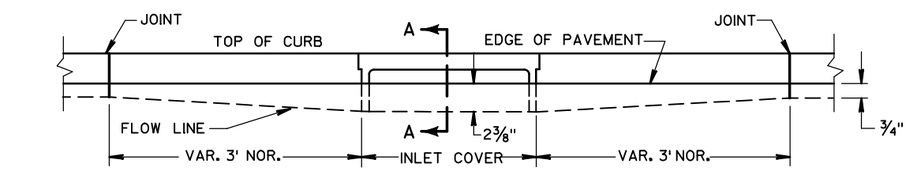




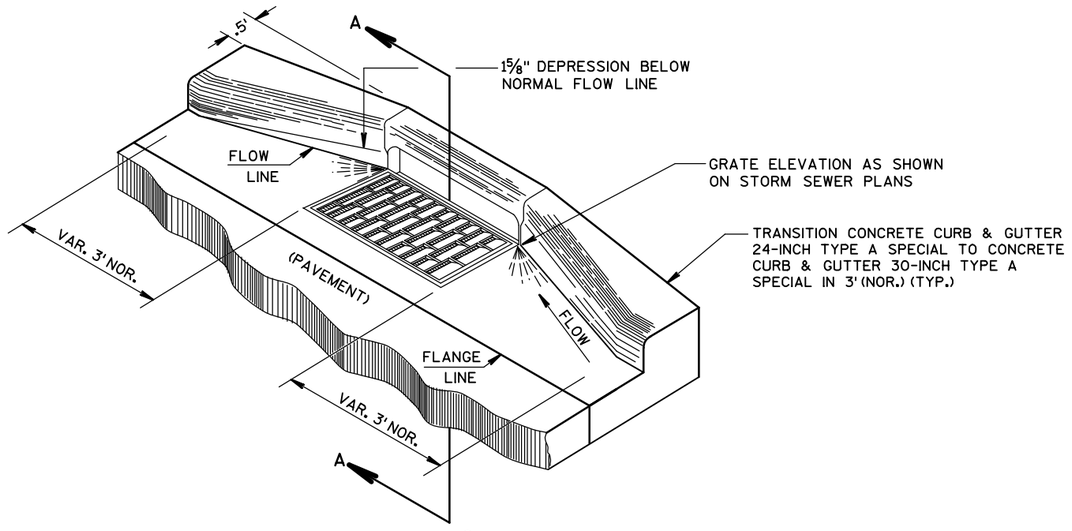
SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

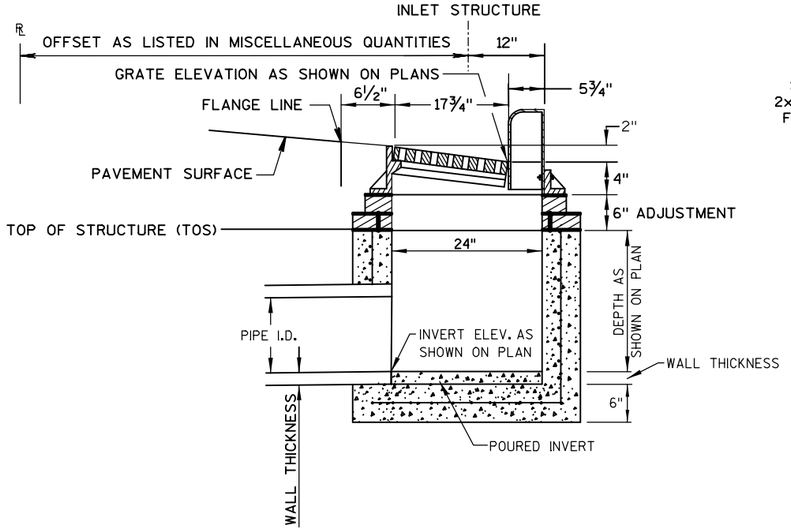
SECTION A-A
(INLETS 2x3-FT - H SHOWN)

DETAIL OF CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL AT INLETS



ELEVATION

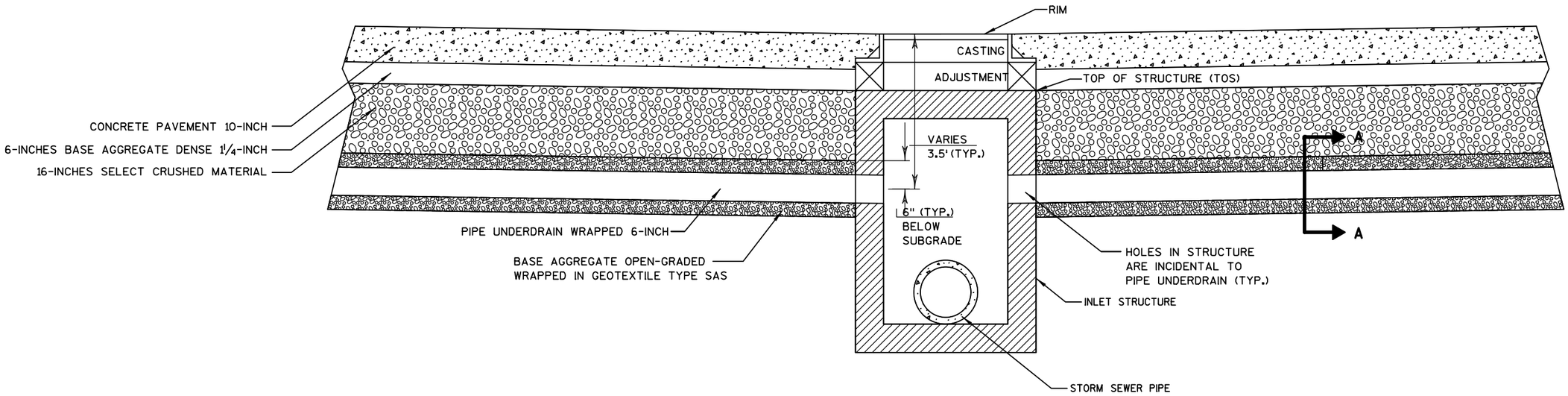




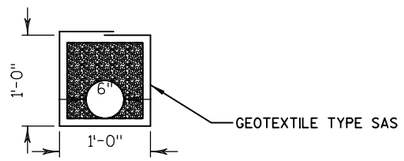
SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

SECTION A-A
(INLETS 2X3-FT - H SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL AT INLETS

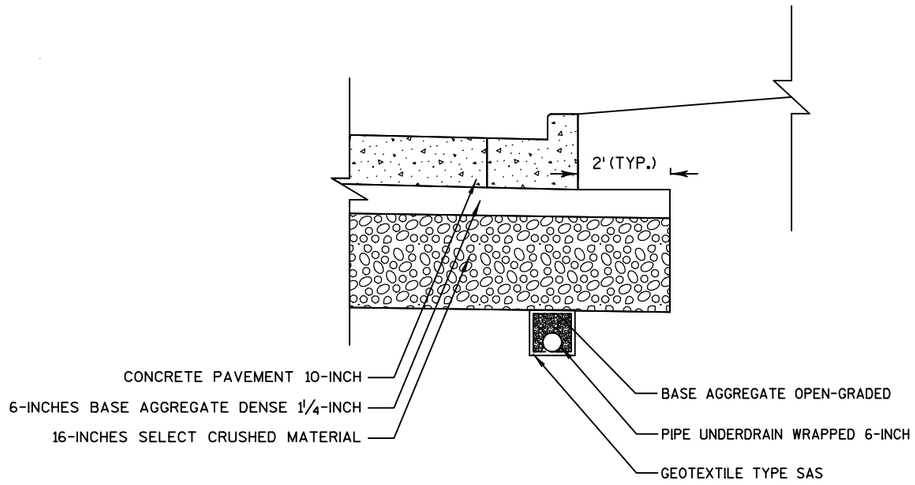


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE PROFILE VIEW



SECTION A-A

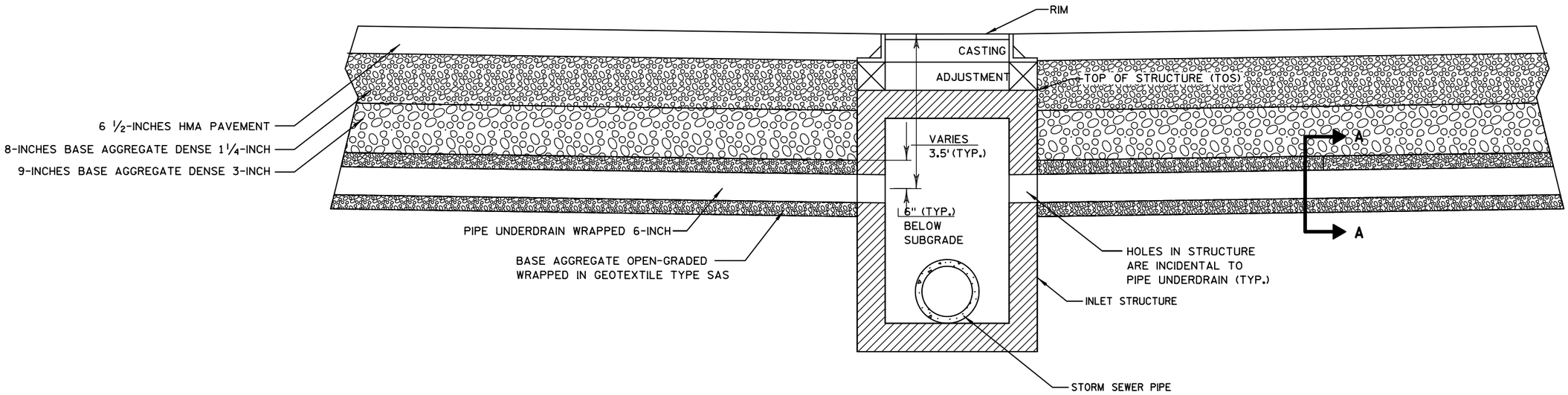
PIPE UNDERDRAIN WRAPPED 6-INCH ENCLOSED IN A
1'-0" X 1'-0" AREA OF BASE AGGREGATE
OPEN-GRADED WRAPPED IN GEOTEXTILE TYPE SAS.



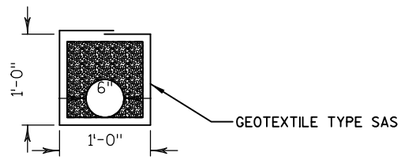
PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE CROSS SECTION

PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE DETAIL
CONCRETE PAVEMENT LOCATIONS

NOTES:
PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

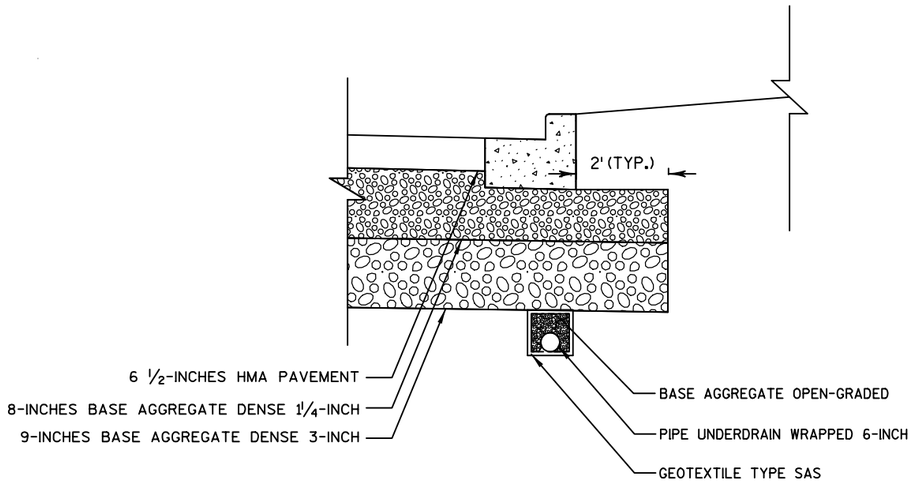


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE PROFILE VIEW



SECTION A-A

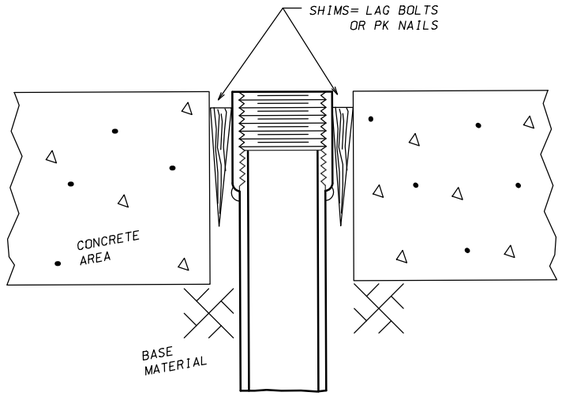
PIPE UNDERDRAIN WRAPPED 6-INCH ENCLOSED IN A
1'-0" X 1'-0" AREA OF BASE AGGREGATE
OPEN-GRADED WRAPPED IN GEOTEXTILE TYPE SAS.

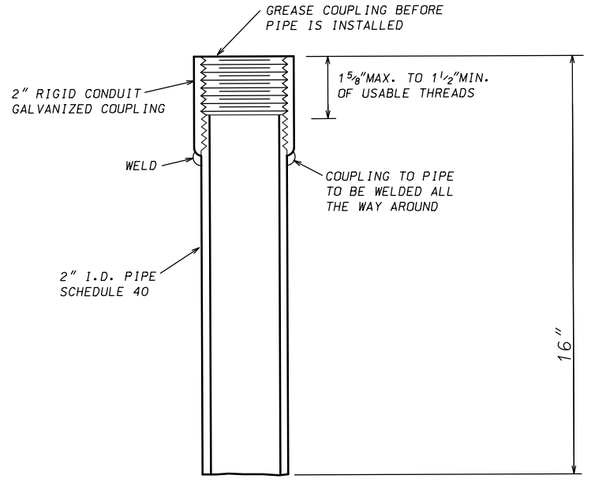


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE CROSS SECTION

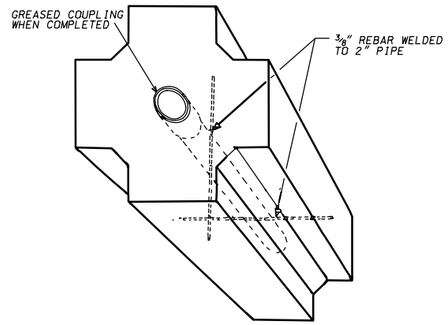
PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE DETAIL
ASPHALT PAVEMENT LOCATIONS

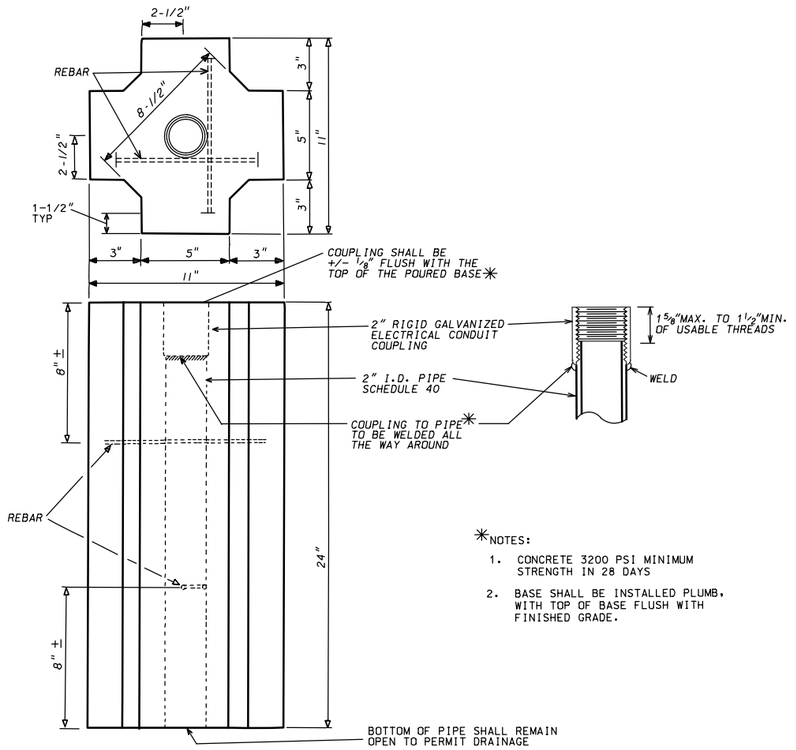
NOTES:
PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.





SIGN POST BASE WITHIN CONCRETE INSTALLATION DETAIL

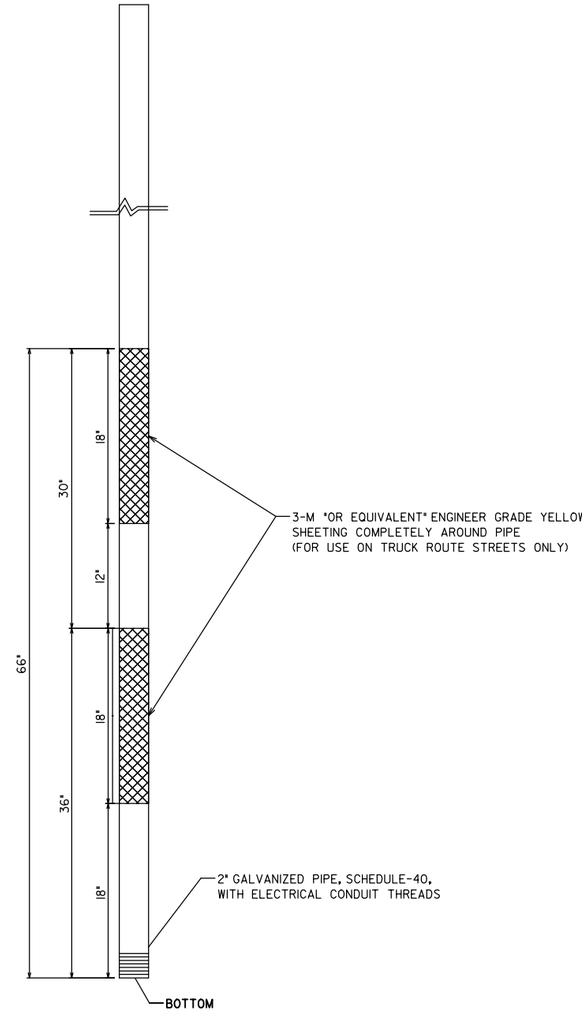




*NOTES:

1. CONCRETE 3200 PSI MINIMUM STRENGTH IN 28 DAYS
2. BASE SHALL BE INSTALLED PLUMB, WITH TOP OF BASE FLUSH WITH FINISHED GRADE.

PRECAST SIGN POST BASE DETAIL



SIGN POST DETAIL

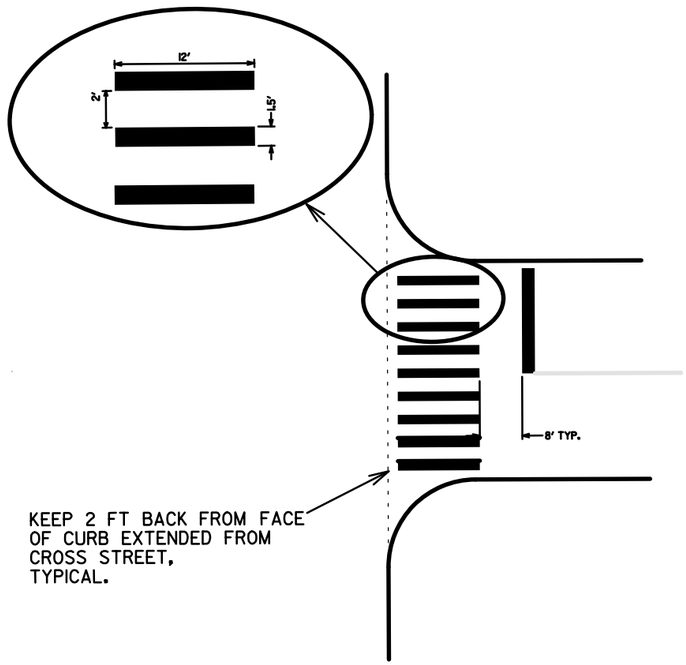
CONTINENTAL CROSSWALKS

CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.

THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES

THE CROSSBARS SHOULD BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

PAID FOR AS "MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH"

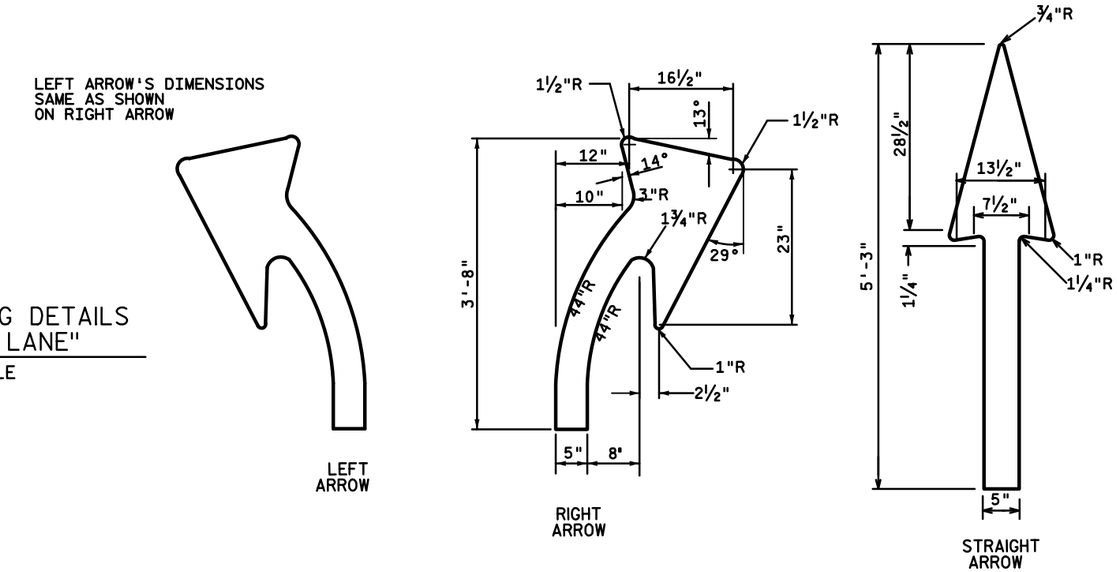


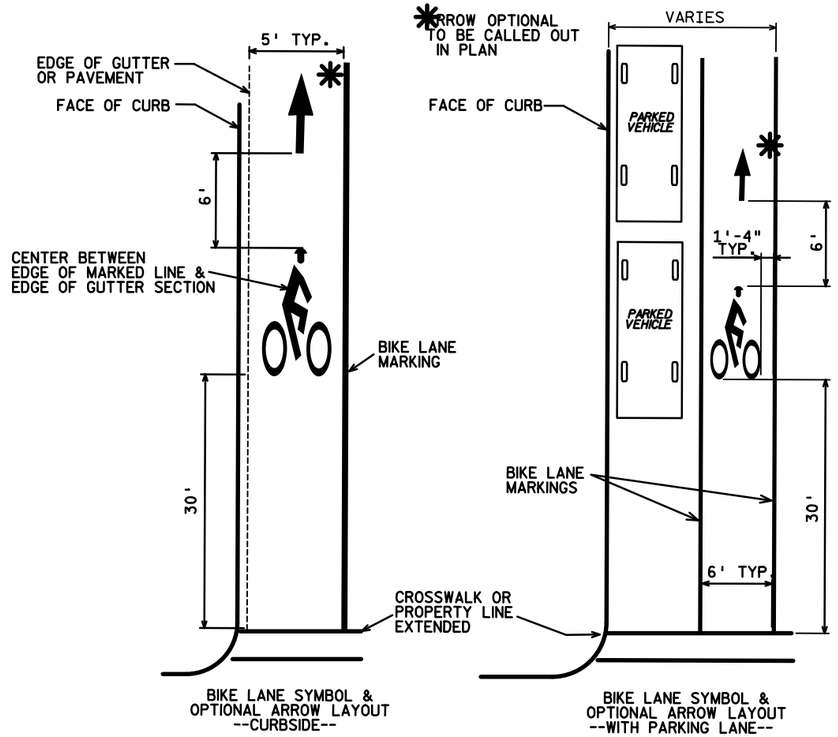
CONTINENTAL CROSSWALK DETAIL

NOT TO SCALE

PAVEMENT MARKING DETAILS
"ARROWS BIKE LANE"

NOT TO SCALE



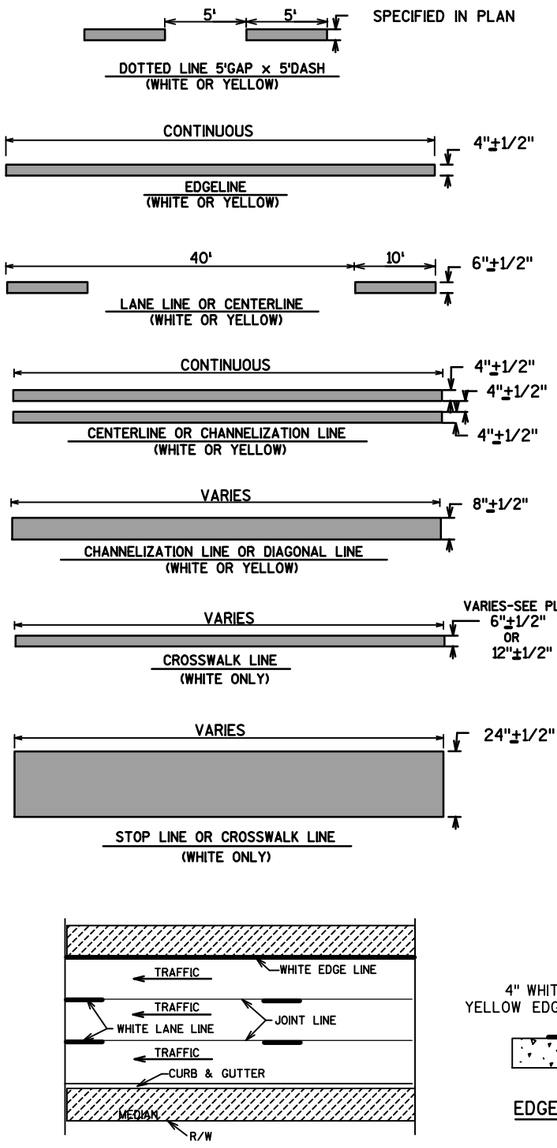


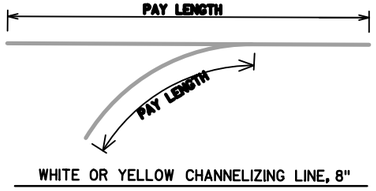
BIKE LANE SYMBOL PAVEMENT MARKING DETAILS

NOT TO SCALE

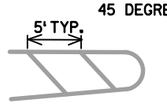
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 21	E

PERMANENT PAVEMENT MARKINGS





WHITE OR YELLOW CHANNELIZING LINE, 8"



WHITE OR YELLOW ISLAND

GENERAL NOTES FOR EPOXY PAVEMENT MARKINGS

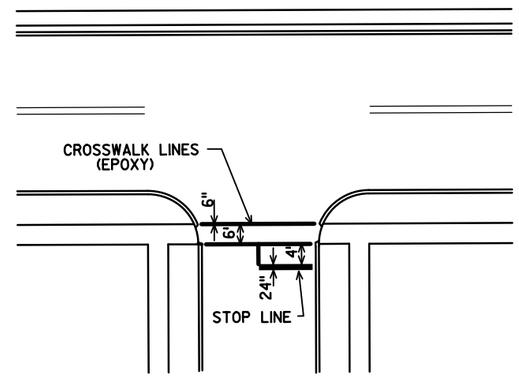
APPLY ALL MARKINGS IN ACCORDANCE WITH THE STATE OF WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

AT STREET INTERSECTIONS, MARKINGS START OR END AT THE MARKED CROSSWALK. THE PROPERTY LINE EXTENDED, IF THERE IS NO MARKED CROSSWALK.

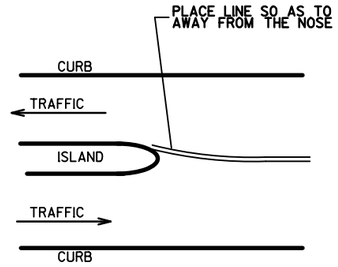
CROSSWALKS AND STOP LINES WILL BE PLACED NO CLOSER THAN 2' TO THE FACE OF CURB.

ADHERE TO THE TRAFFIC SPECIFICATION IN THE SPECIAL PROVISIONS AT ALL TIMES.

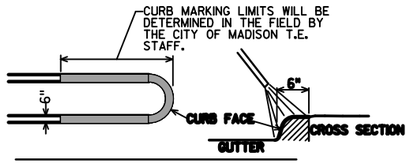
FOR MORE INFORMATION AND FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY 1120 SAYLE ST. (608) 266-4767



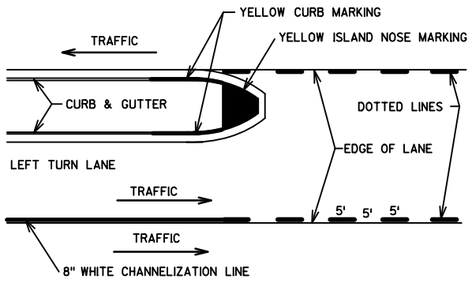
CROSSWALK & STOP LINE DETAILS



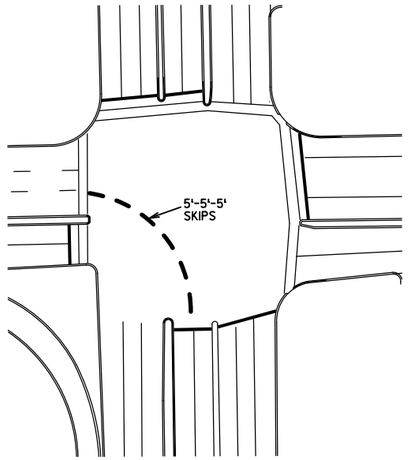
ISLAND APPROACH



CURB & ISLAND MARKING DETAILS

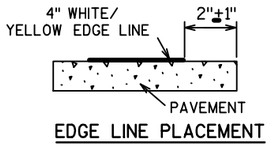


LEFT TURN LANE

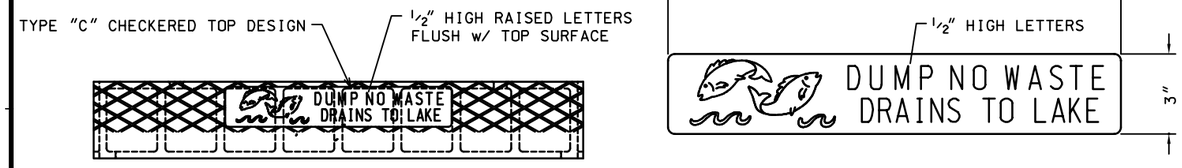


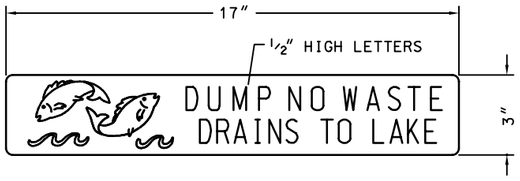
TURN RADIUS LINE DETAILS

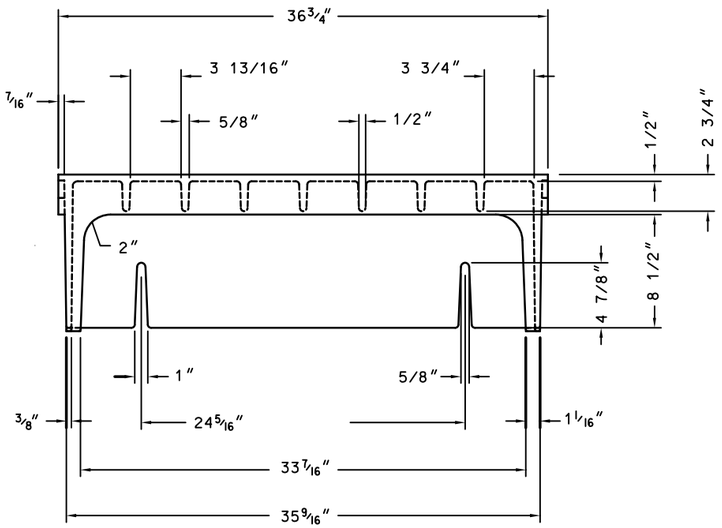
MARKING PLACEMENT DETAIL

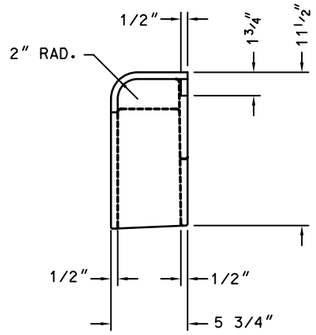


EDGE LINE PLACEMENT





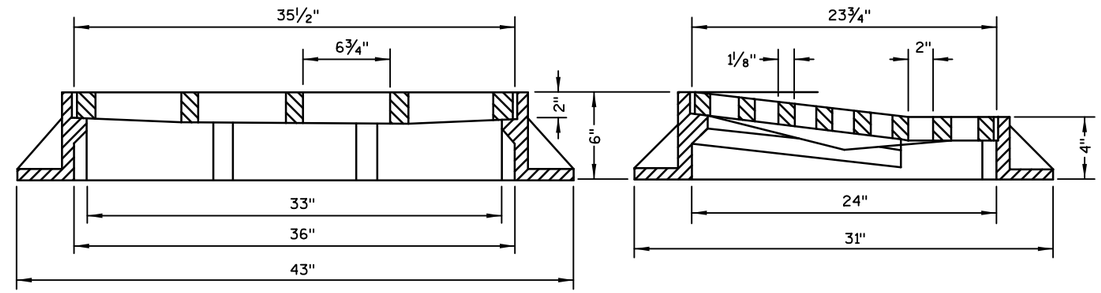




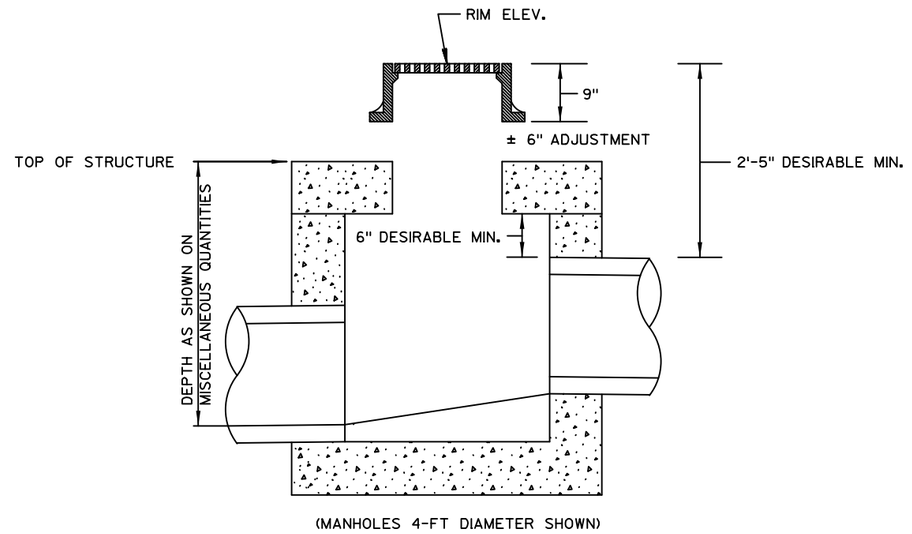
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 126#

INLET COVERS TYPE H, H-S, OR Z

TOTAL WEIGHT APPROXIMATELY 420 POUNDS

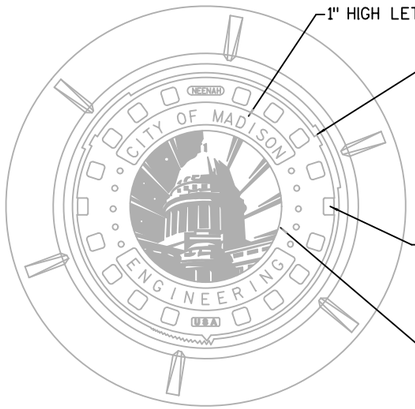


INLET COVERS TYPE DW



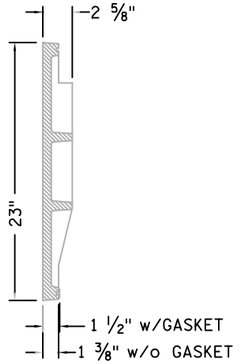
(MANHOLES 4-FT DIAMETER SHOWN)

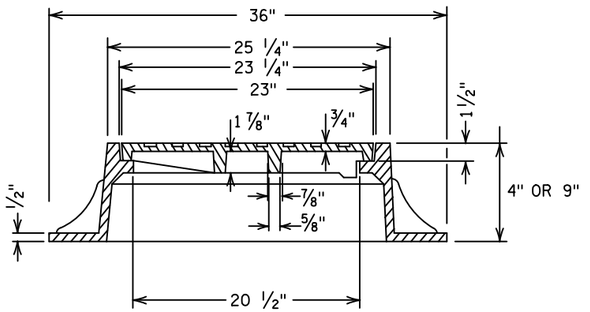
DETAIL FOR COMPUTING MANHOLE ELEVATIONS

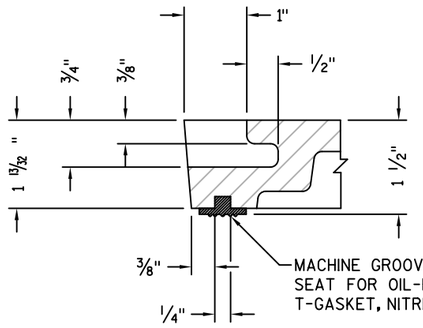


LOGO DETAIL









T-SEAL GASKET / CONCEALED PICK DETAIL

NOTES:

APPROXIMATE TOTAL WEIGHTS:
R-1550 w/ LOGO LID 1550-0054, 9" FRAME AND LID = 265 LBS.
R-1689 w/ LOGO LID 1550-0054, 4" FRAME AND LID = 279 LBS.

IF LOCKABLE LID IS NECESSARY, R-1920, 8¾" FRAME AND LID = 300 LBS THERE IS NO CITY OF MADISON LOGO LID AVAILABLE FOR THIS FRAME AND CASTING.

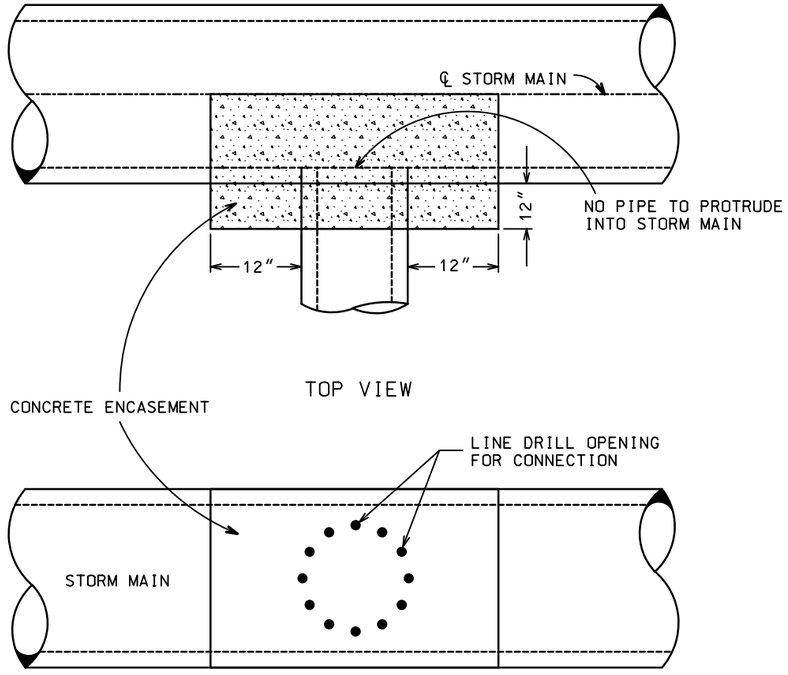
THE FOLLOWING NEENAH FOUNDRY CASTINGS (OR EQUAL CASTINGS) SHALL BE ACCEPTABLE:

1. R-1550, 9" NON-ROCKING ACCESS STRUCTURE FRAME.
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME (WHEN REQUESTED BY THE ENGINEER).
3. R-1920, 8¾" ACCESS STRUCTURE FRAME WITH LOCKING LID, TYPE 'F' LOCKS, AND CONCEALED PICK HOLES. TO BE USED IN GREENWAYS AND EASEMENTS.

1. FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.
2. ALL LIDS SHALL BE SELF-SEALING EXCEPT FOR STORM SEWER.
3. ALL LIDS SHALL HAVE CITY OF MADISON LOGO AS SHOWN IN DETAIL (R-1550-0054 OR EQUIV.)

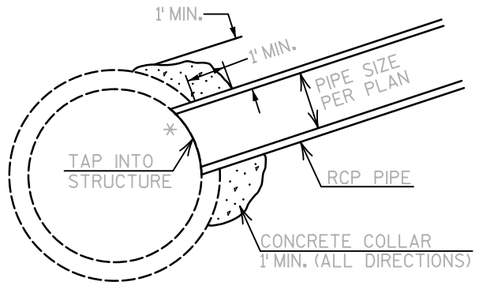
LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

MANHOLE COVERS TYPE J-SPECIAL



TOP VIEW

SIDE VIEW



PLAN VIEW

NOTE: CONCRETE COLLAR INCIDENTAL TO TAP SPECIAL FOR STORM SEWER PIPE

* NO PIPE TO PROTRUDE INTO STORM MAIN

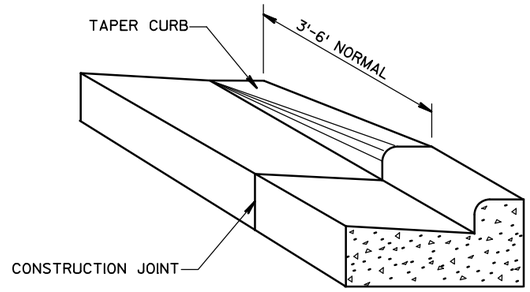
SEWER TAP DETAIL SPECIAL

2

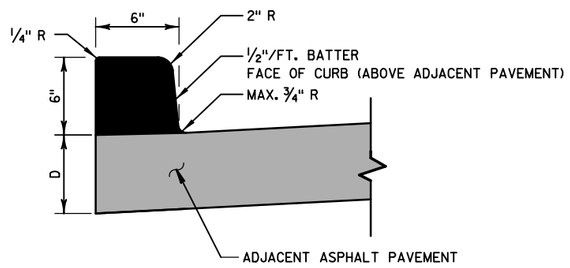
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 9.9 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 8.3 ACRES

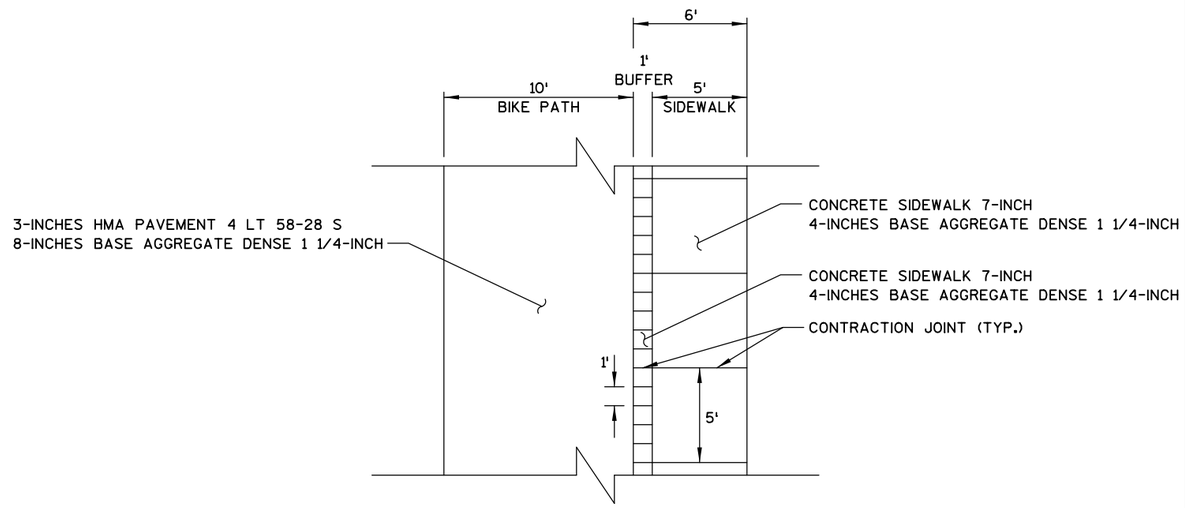


DETAIL OF CURB & GUTTER TERMINI



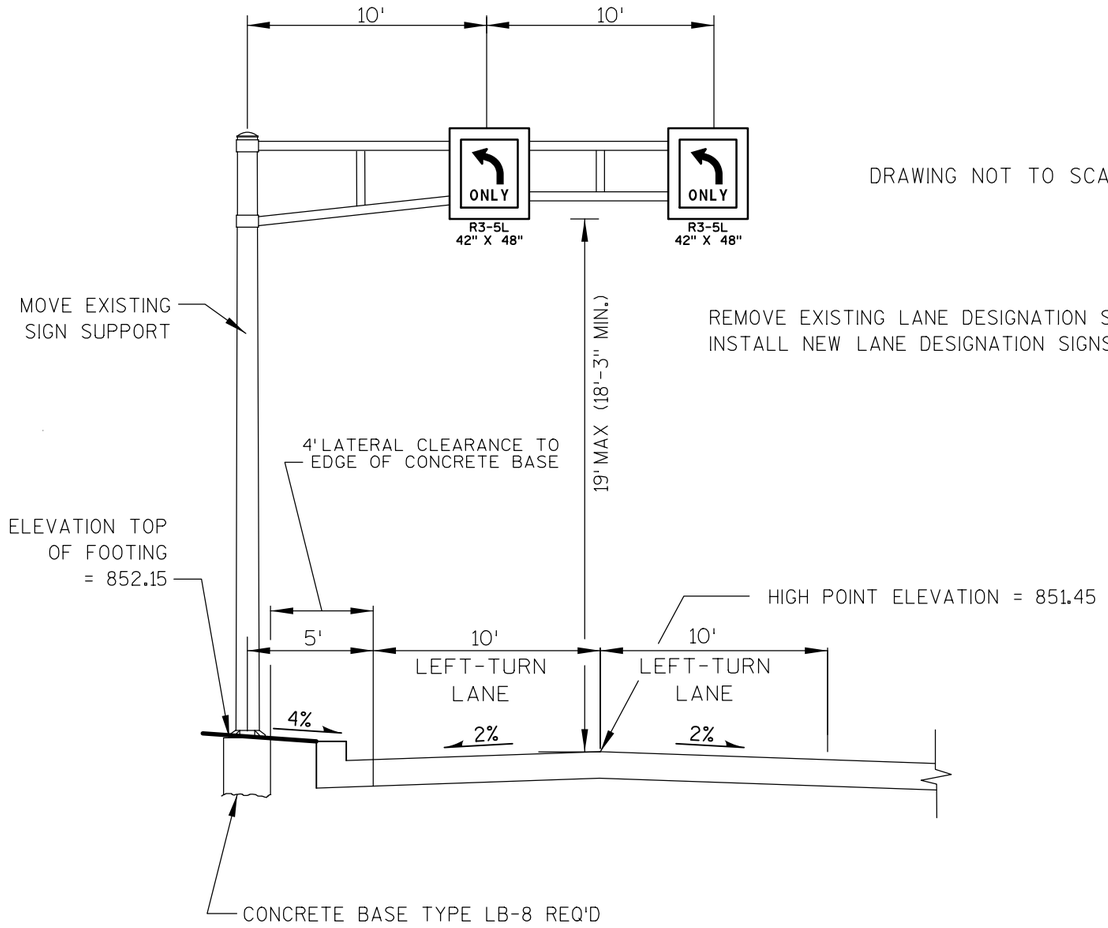
D = DEPTH OF ADJACENT ASPHALT PAVEMENT

ASPHALTIC CURB DETAIL



BIKE PATH WITH SIDEWALK JOINTING DETAIL

STA. 90+65 - STA. 100+81 RT

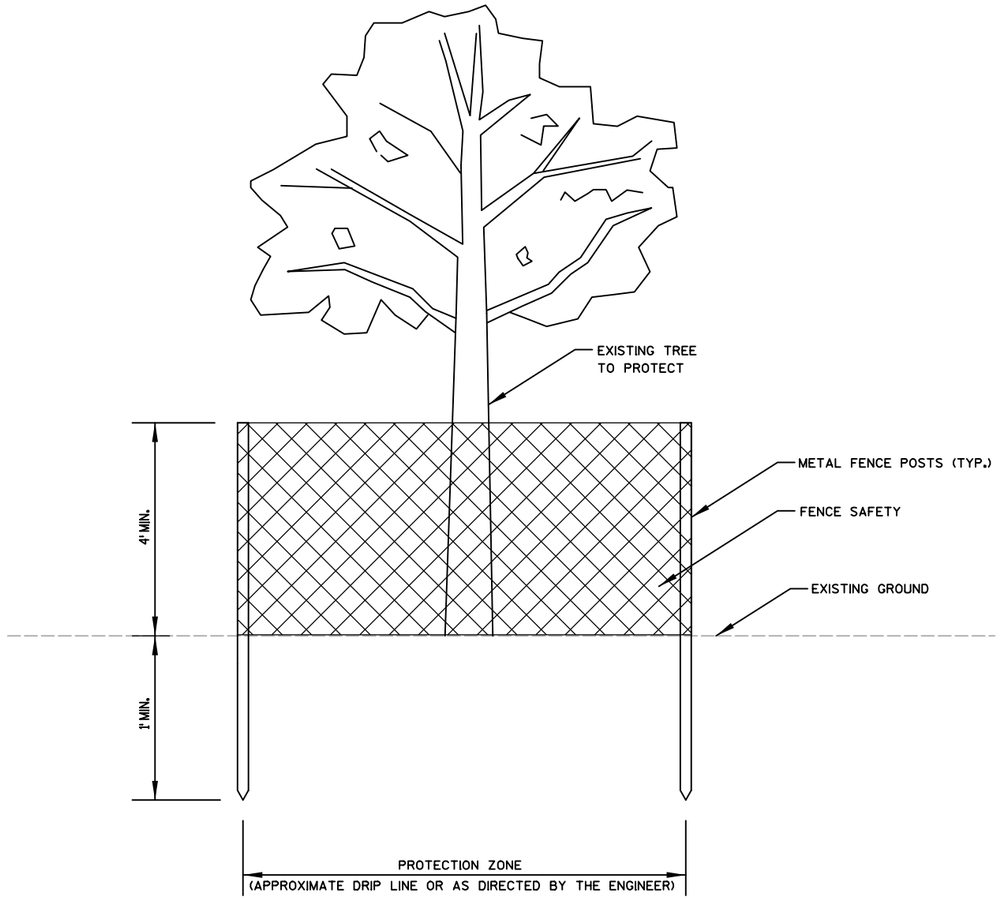


DRAWING NOT TO SCALE

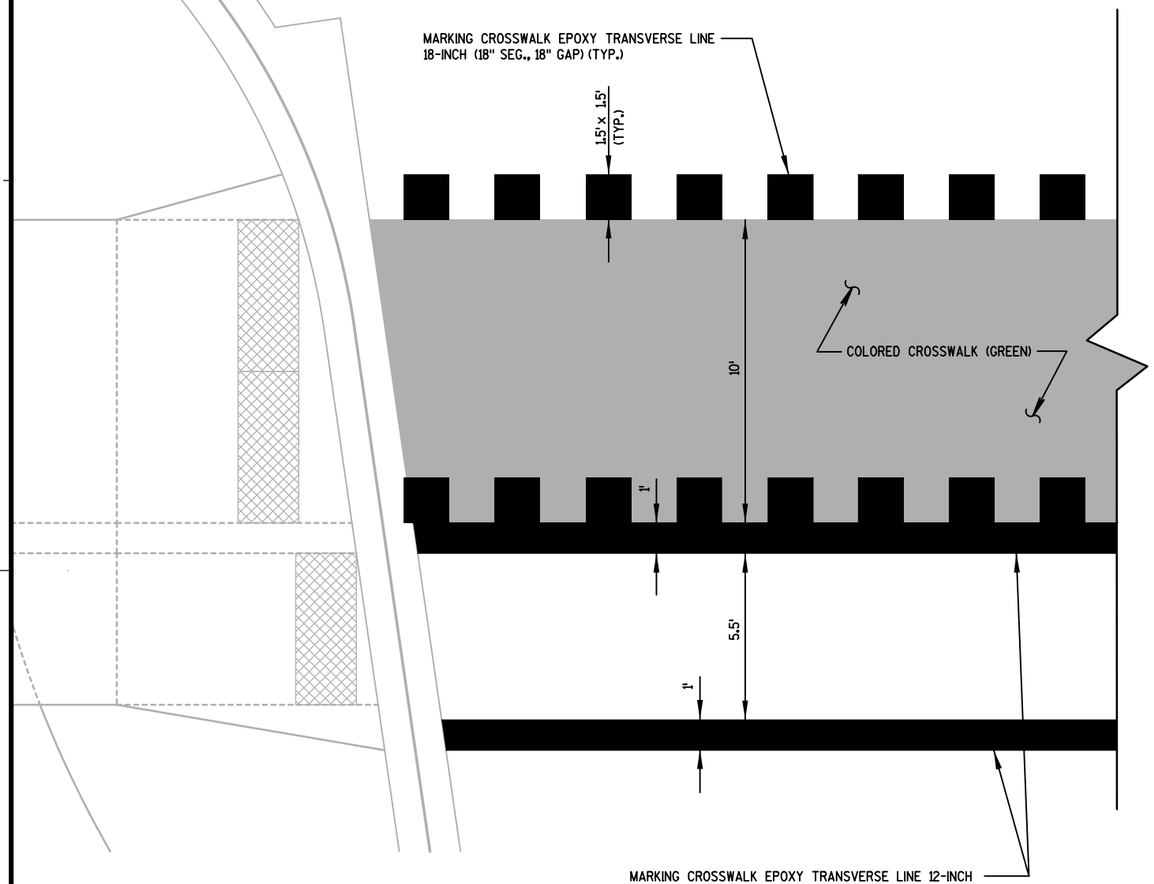
REMOVE EXISTING LANE DESIGNATION SIGNS.
INSTALL NEW LANE DESIGNATION SIGNS.

MOVING OVERHEAD SIGN SUPPORT S-13-359

STA. 104+00 RT (SOUTHBOUND STH 113)
LOOKING SOUTHWEST

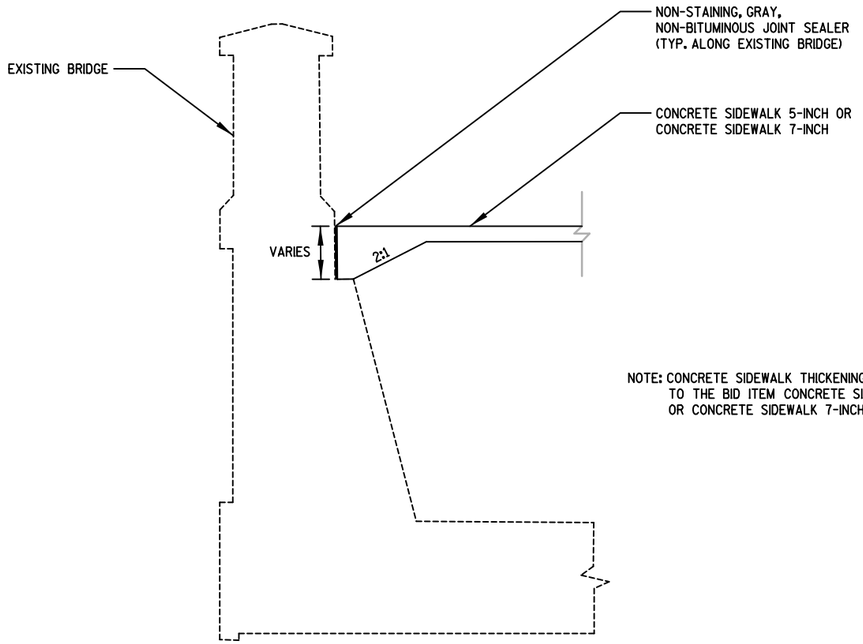


TREE PROTECTION DETAIL



FIRST STREET CROSSWALK MARKINGS

SOUTH APPROACH OF E. JOHNSON STREET
AND FIRST STREET INTERSECTION

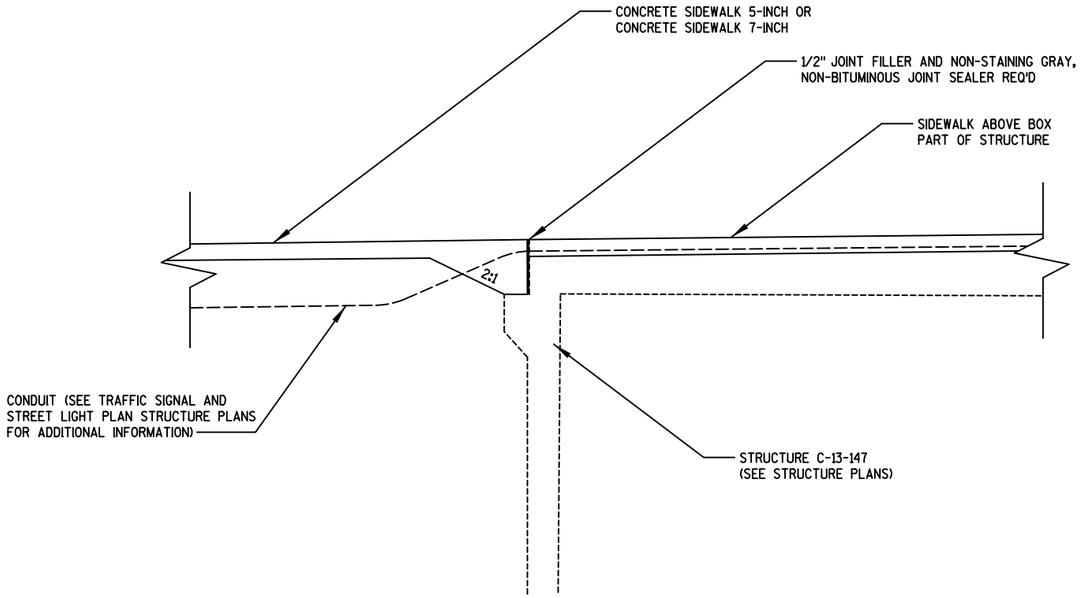


NOTE: CONCRETE SIDEWALK THICKENING INCIDENTAL TO THE BID ITEM CONCRETE SIDEWALK 5-INCH OR CONCRETE SIDEWALK 7-INCH.

SIDEWALK AT EXISTING BRIDGE

STA. 87+71.96 - STA. 89+22.10

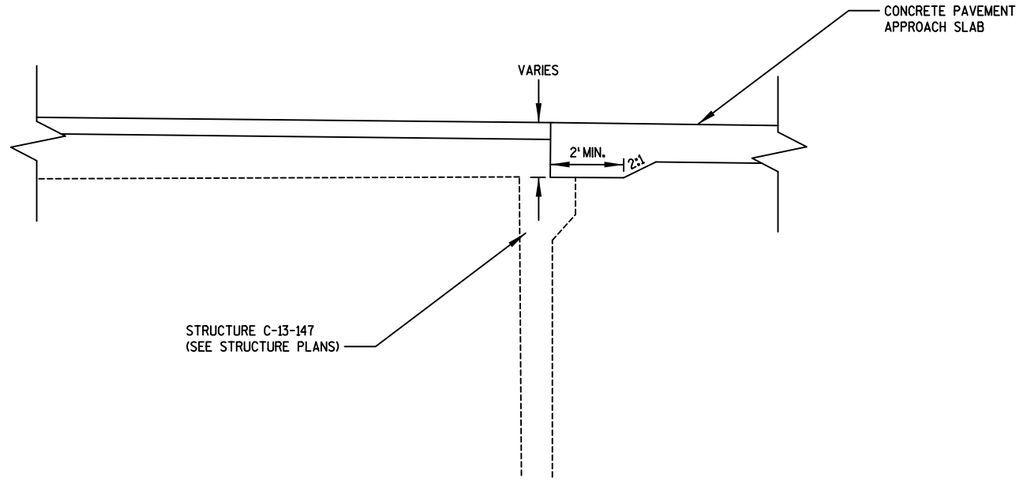
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 27	E



NOTE: CONCRETE SIDEWALK THICKENING INCIDENTAL TO THE BID ITEM CONCRETE SIDEWALK 5-INCH OR CONCRETE SIDEWALK 7-INCH.

SIDEWALK AT BOX CULVERT

STA. 88+09.19
STA. 88+22.85

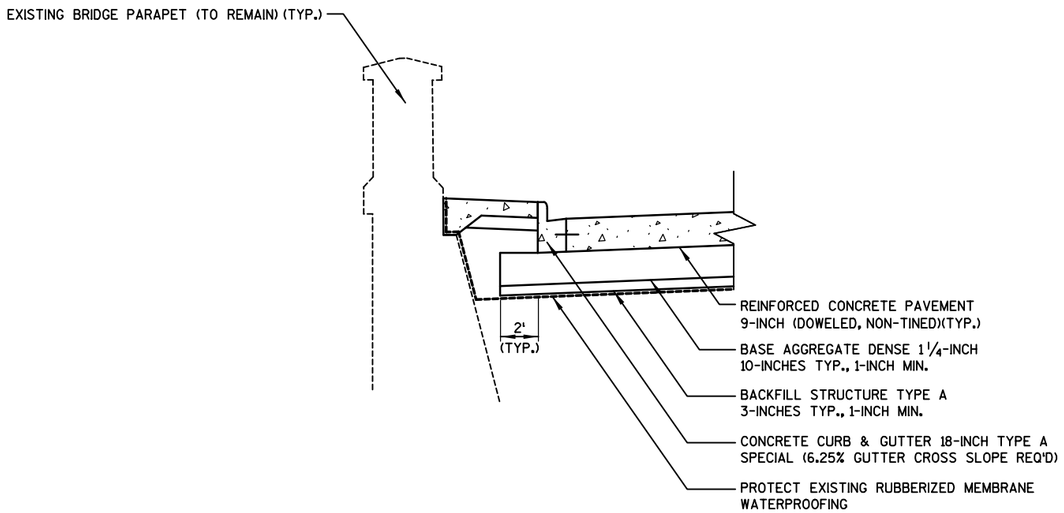


NOTE: CONCRETE PAVEMENT APPROACH SLAB THICKENING INCIDENTAL TO THE BID ITEM CONCRETE PAVEMENT APPROACH SLAB.

SEE STANDARD DETAIL DRAWING "CONCRETE PAVEMENT APPROACH SLAB" FOR ADDITIONAL INFORMATION.

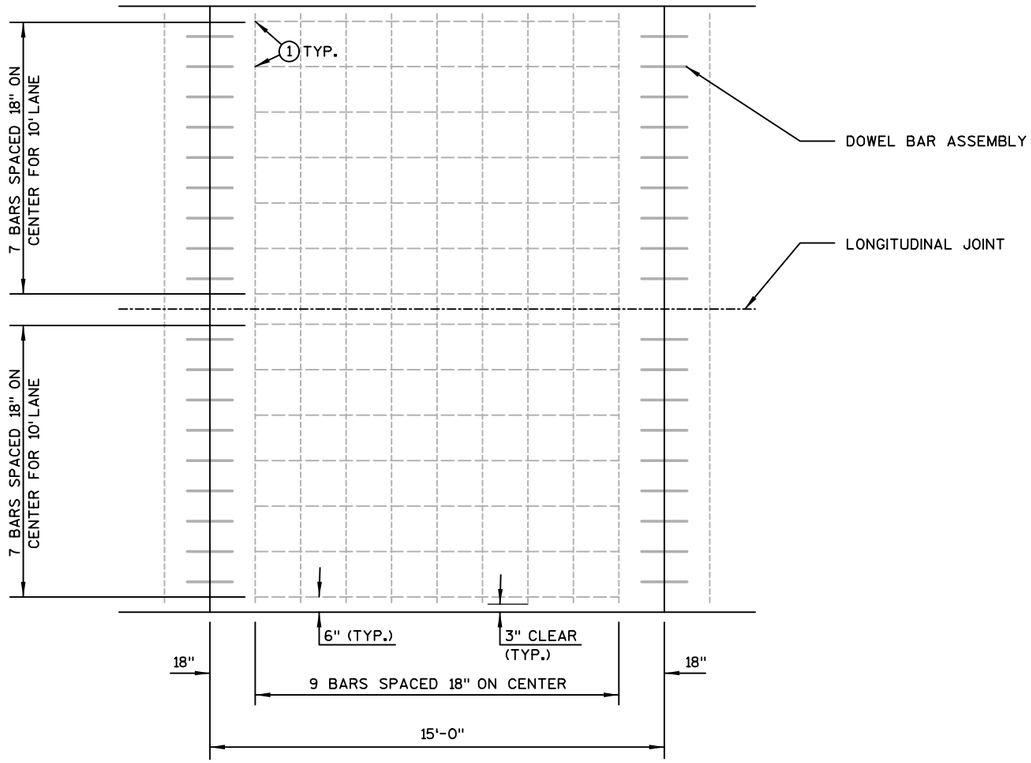
CONCRETE PAVEMENT APPROACH SLAB AT BOX CULVERT

STA. 88+09.19
STA. 88+22.85



RUBBERIZED MEMBRANE WATERPROOFING

STA. 88+61 - STA. 88+91



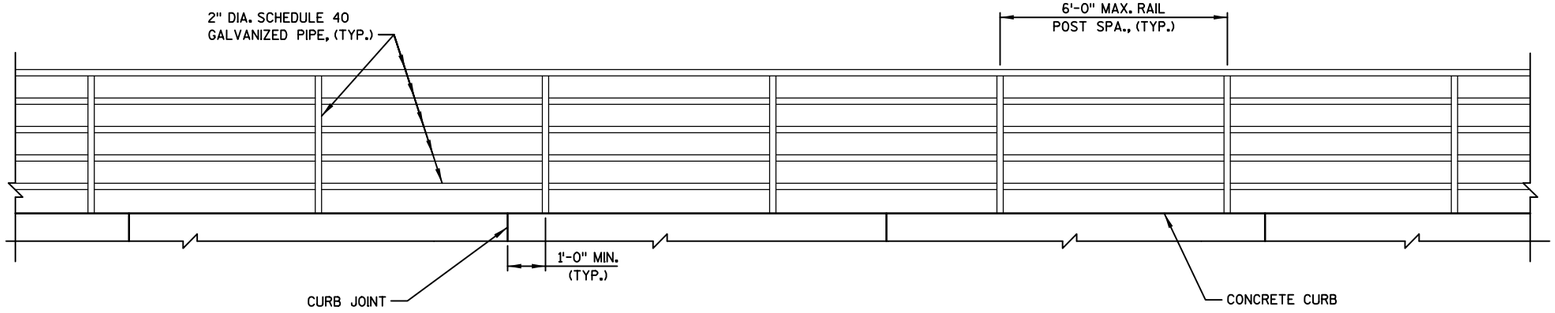
NOTES:

1. TIE ALL PERIPHERAL INTERSECTIONS AND A SUFFICIENT NUMBER OF INTERMEDIATE INTERSECTIONS TO PREVENT SHIFTING

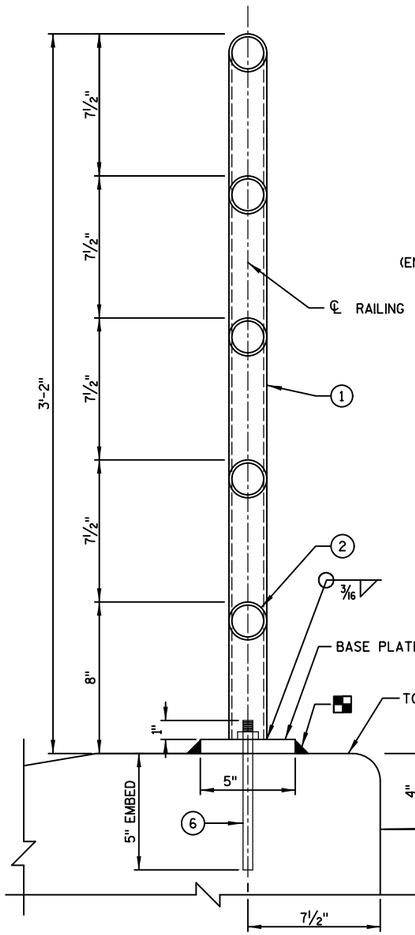
ALL BAR STEEL REINFORCEMENT SHOWN SHALL BE COATED NO. 5 BARS AND SET 3" CLEAR FROM TOP SURFACE OF PAVEMENT TO TOP OF BAR STEEL

BAR STEEL REINFORCEMENT FOR REINFORCED CONCRETE PAVEMENT 9-INCH

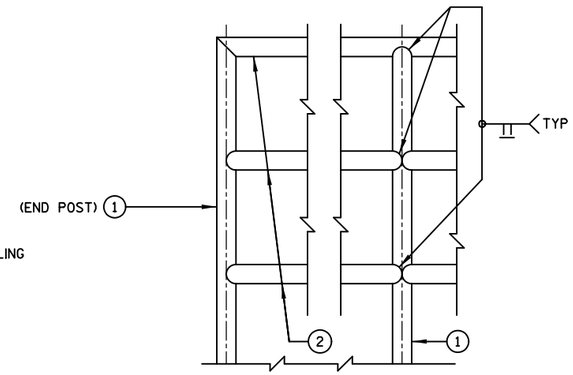
STA. 88+38 - STA. 89+66



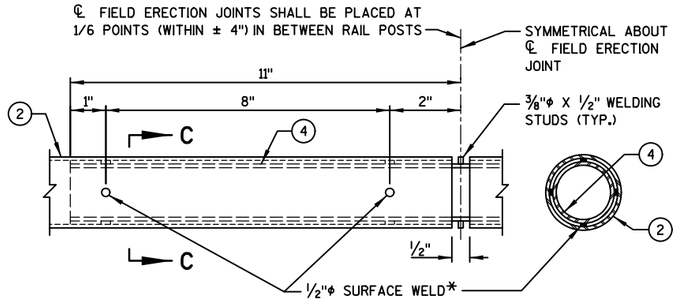
PARITIAL ELEVATION



SECTION THRU RAILING



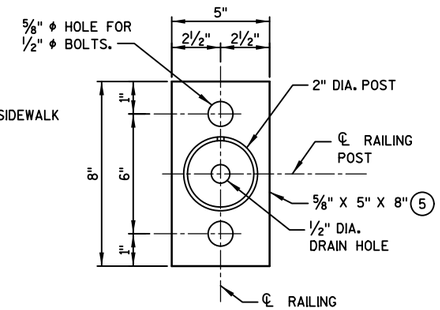
PART ELEVATION OF RAILING



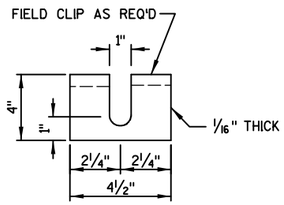
FIELD ERECTION JOINT DETAIL

*MIN ⅝" FLAT SURFACE DIA. PUNCHINGS
OR STUDS MAY BE USED AS AN ALTERNATE

SECTION C-C

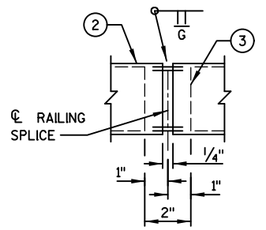


BASE PLATE



POST SHIM DETAILS

PROVIDE 4 SHIMS PER POST.



SHOP RAILING SPLICE DETAIL

(LOCATION MUST BE SHOWN
ON THE SHOP DRAWINGS)

LEGEND

1. 2" ϕ SCH. 40 GALVANIZED STEEL PIPE FOR POSTS: CUT BOTTOM OF POST AS REQUIRED TO SET POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.
2. 2" ϕ SCH. 40 GALVANIZED STEEL PIPE FOR RAILS: WELD TO NO. 1.
3. 1½" ϕ SCH. 40 PIPE SLEEVE FOR NO. 2. PROVIDE "SLIDING FIT."
4. 1½" ϕ SCH. 40 PIPE SLEEVE X 1'-10" LONG FOR NO. 2. PROVIDE ½" ϕ SURFACE WELDS ON ALL SIDES AS SHOWN. GRIND WELDS TO FIT FREE INTO I.D. OF NO. 2. PROVIDE ⅜" ϕ X ½" WELDING STUDS ON TOP AND BOTTOM SURFACES AT CENTERLINE.
5. PLATE ¾" X 5" X 8", WITH ⅝" ϕ HOLE FOR ANCHOR BOLTS NO. 6. WELD TO NO. 1. OR PIPE SLEEVE AS SHOWN.
6. CONCRETE ADHESIVE ANCHORS ½-INCH. EMBED 5" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SUBSECTION 502.2.12 OF THE STANDARD SPECIFICATIONS. 2 REQ'D PER POST. PLACE NORMAL TO BASE PLATE NO.5.

GENERAL NOTES

BID ITEM SHALL BE "RAILING PIPE", WHICH INCLUDES ALL ITEMS SHOWN.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

FIELD ERECTION JOINTS MUST BE PLACED IN BETWEEN RAIL POSTS WHERE THERE IS ALSO A CONCRETE COPING EXPANSION JOINT IN BETWEEN RAIL POSTS.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL MATERIAL EXCEPT ANCHORAGE DETAIL (NO. 7) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS AND STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER S.S.P.C. SPECIFICATIONS.

DRILL DRAIN HOLES PRIOR TO GALVANIZING.

ALL STEEL PLATE MATERIALS USED IN FABRICATION SHALL BE MADE FROM MATERIALS CONFORMING TO A.S.T.M. DESIGNATION A709 GRADE 36 UNLESS NOTED OTHERWISE.

GALVANIZED STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D FOR ALIGNMENT.

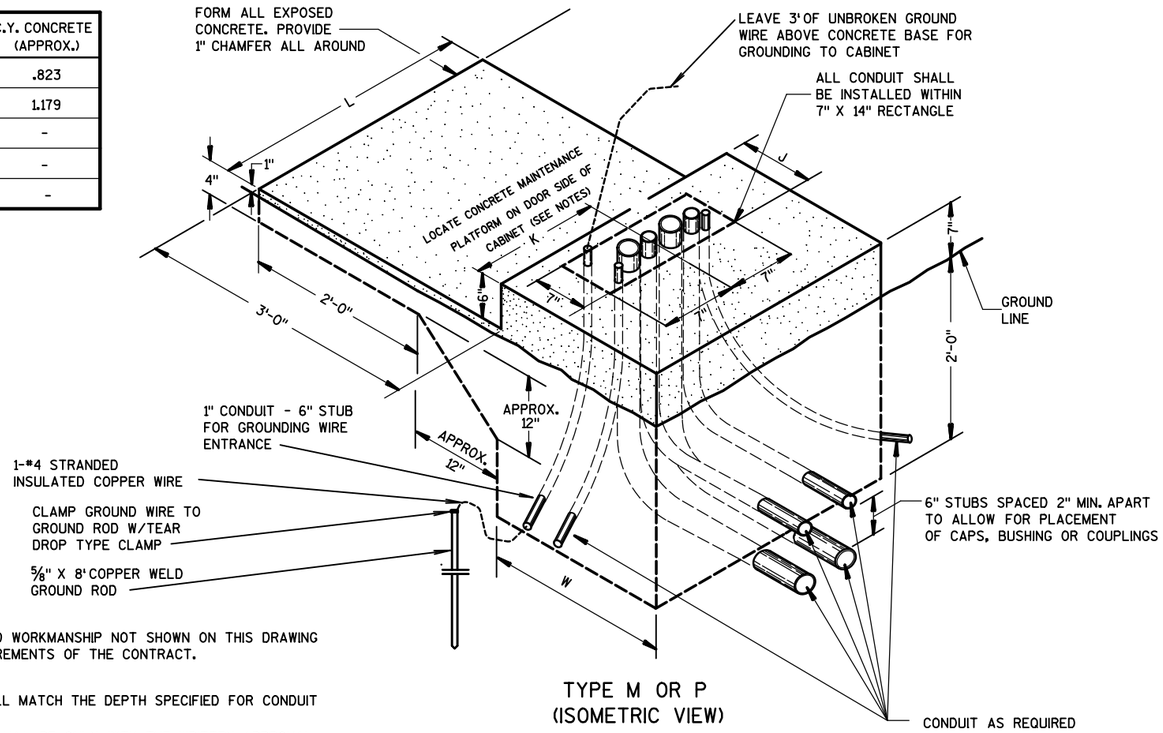
ALL STEEL RAILS, POSTS AND SLEEVES SHALL CONFORM TO A.S.T.M. DESIGNATION A53 GRADE B.

■ CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS IN POST SHIMS AND BASE PLATES WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER.

RAILING PIPE DETAIL

STA. 87+75 TO STA. 89+81 RT

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE M	40"	30"	12"	20"	.823
TYPE P	48"	30"	16"	24"	1.179
TYPE M MODIFIED	-	-	-	-	-
TYPE P MODIFIED	-	-	-	-	-
TYPE OTHER	-				-



TYPE M OR P
(ISOMETRIC VIEW)

CONCRETE CONTROL CABINET BASES

GENERAL NOTES

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

ALL CONDUIT SHALL BE PVC, SCHEDULE 40

DEPTH OF CONDUIT EXITING THE BASE SHALL MATCH THE DEPTH SPECIFIED FOR CONDUIT INSTALLATION.

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

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

MAINTENANCE PLATFORM SHALL NOT BE INSTALLED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

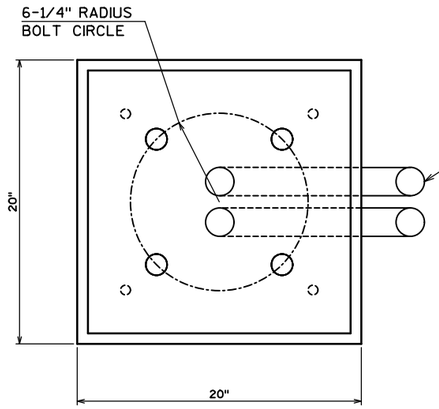
ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

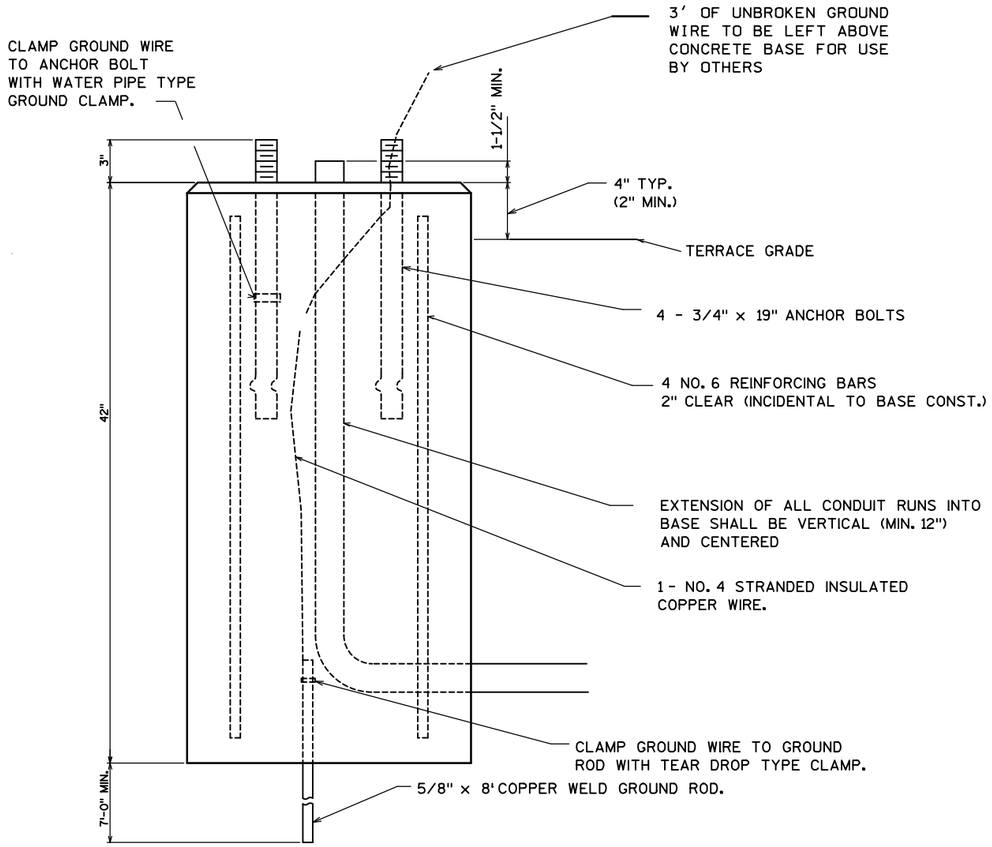
MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

CONCRETE BASE TYPE M & TYPE P

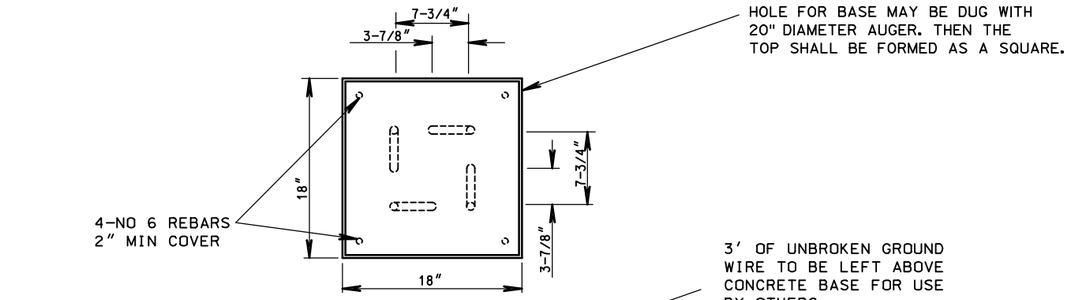


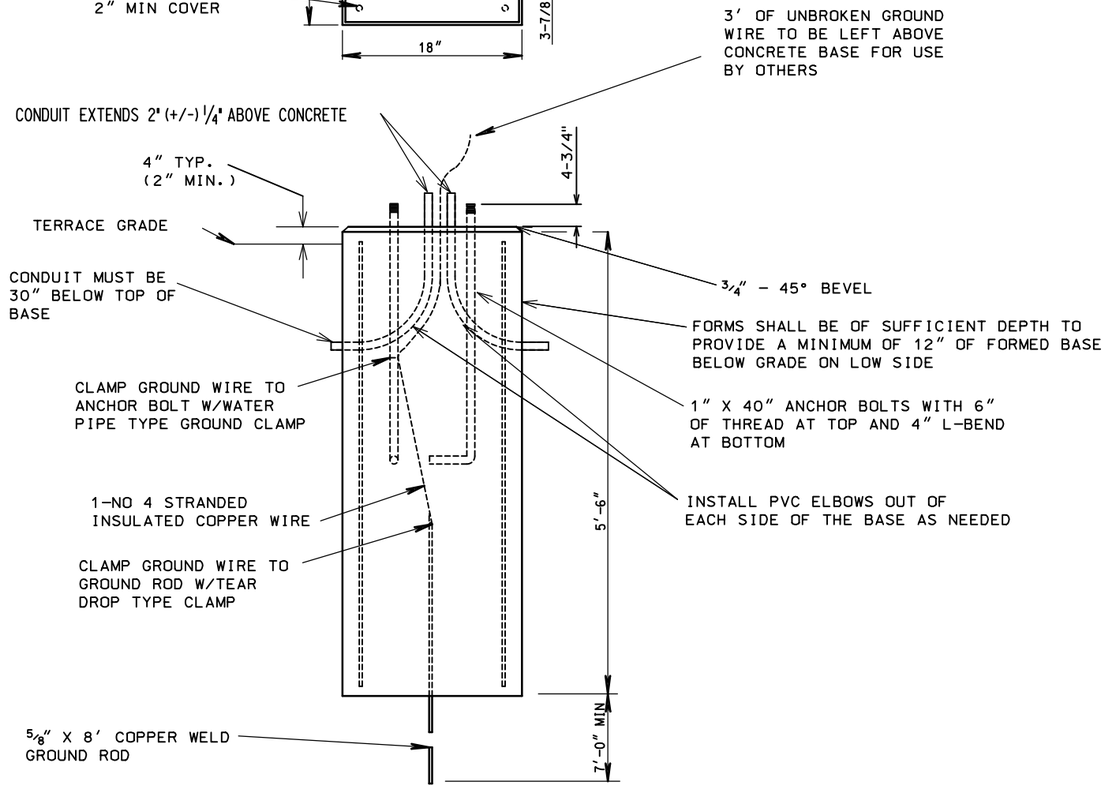
NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

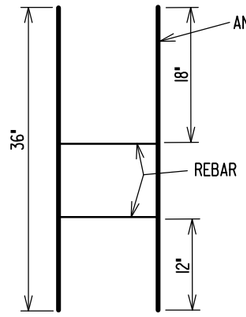
ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR TYPE "G" TRAFFIC SIGNAL BASE .



CONCRETE BASE TYPE G



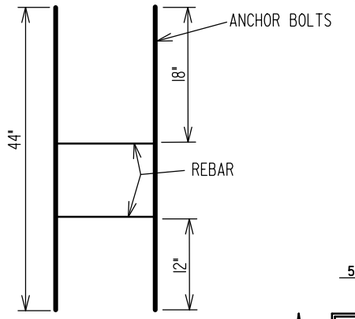




HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

CONCRETE BASE TYPE LB-3

HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.



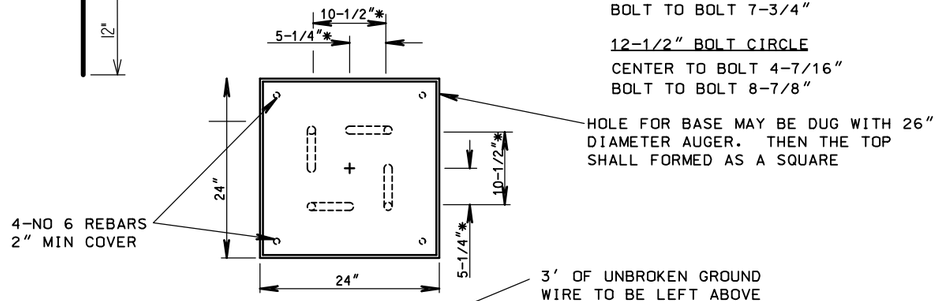
*IF ANOTHER BOLT CIRCLE IS REQUIRED, INSTEAD OF THE 15" BOLT CIRCLE SHOWN, THE FOLLOWING DIMENSIONS SHOULD BE USED

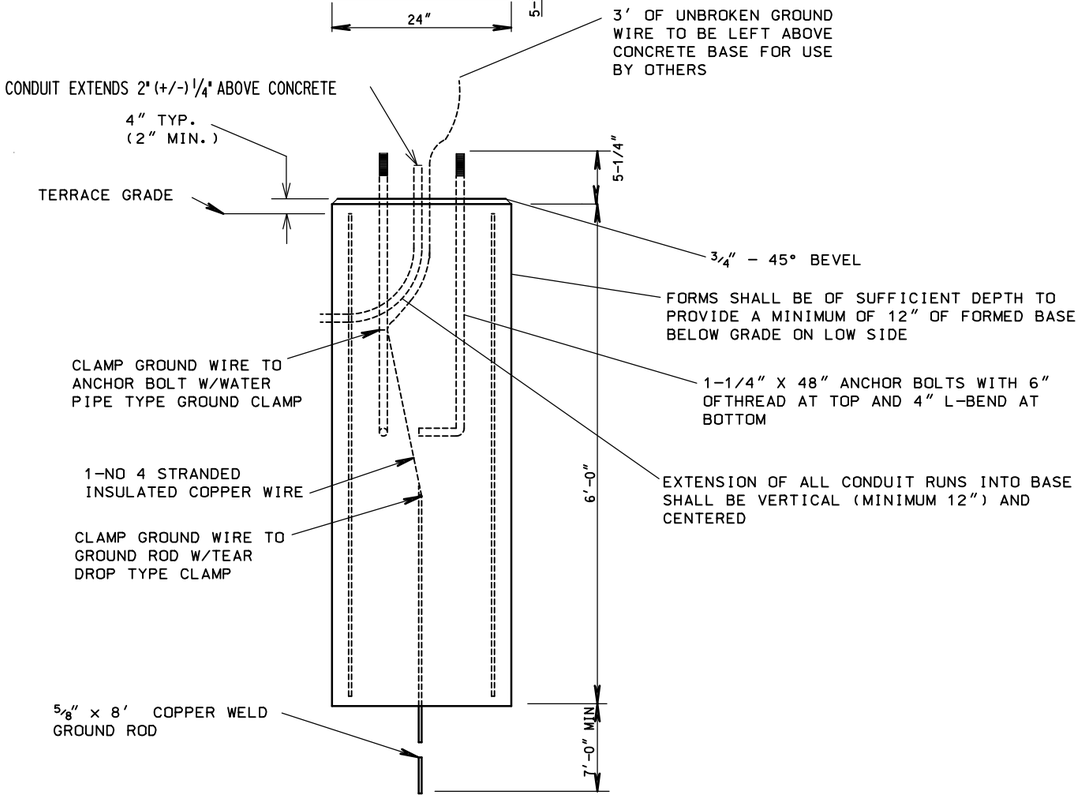
11" BOLT CIRCLE

CENTER TO BOLT 3-7/8"
BOLT TO BOLT 7-3/4"

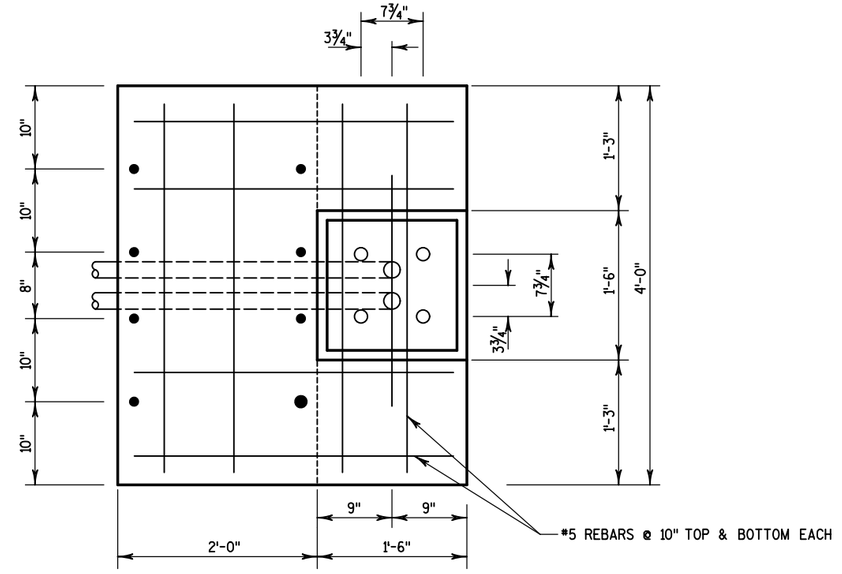
12-1/2" BOLT CIRCLE

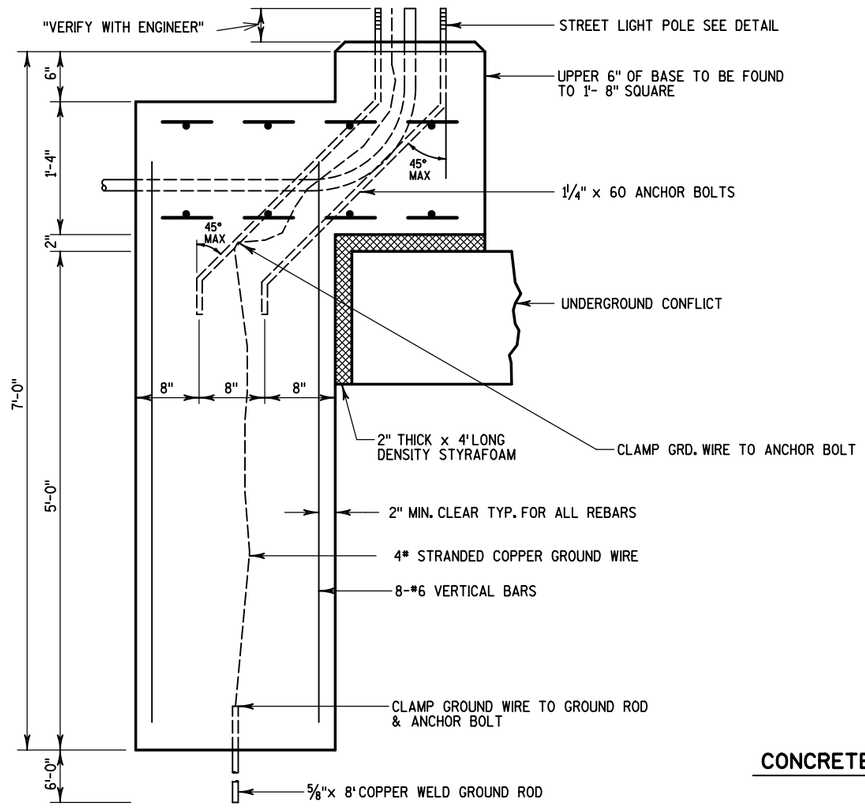
CENTER TO BOLT 4-7/16"
BOLT TO BOLT 8-7/8"



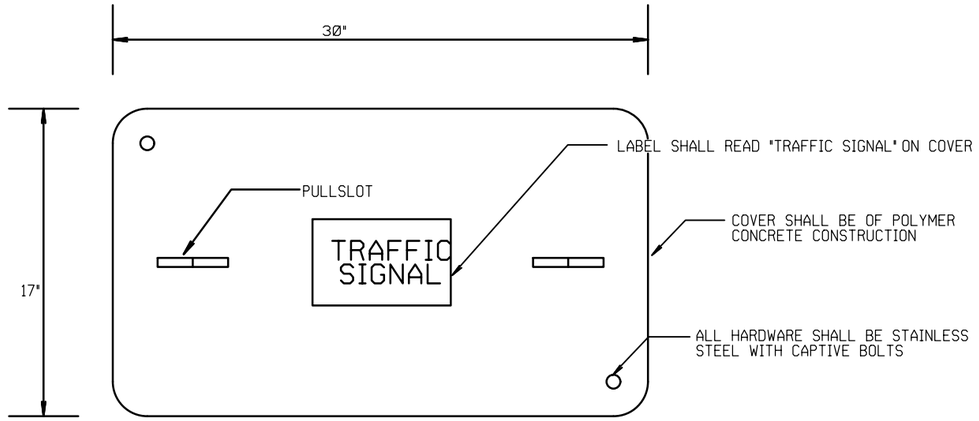


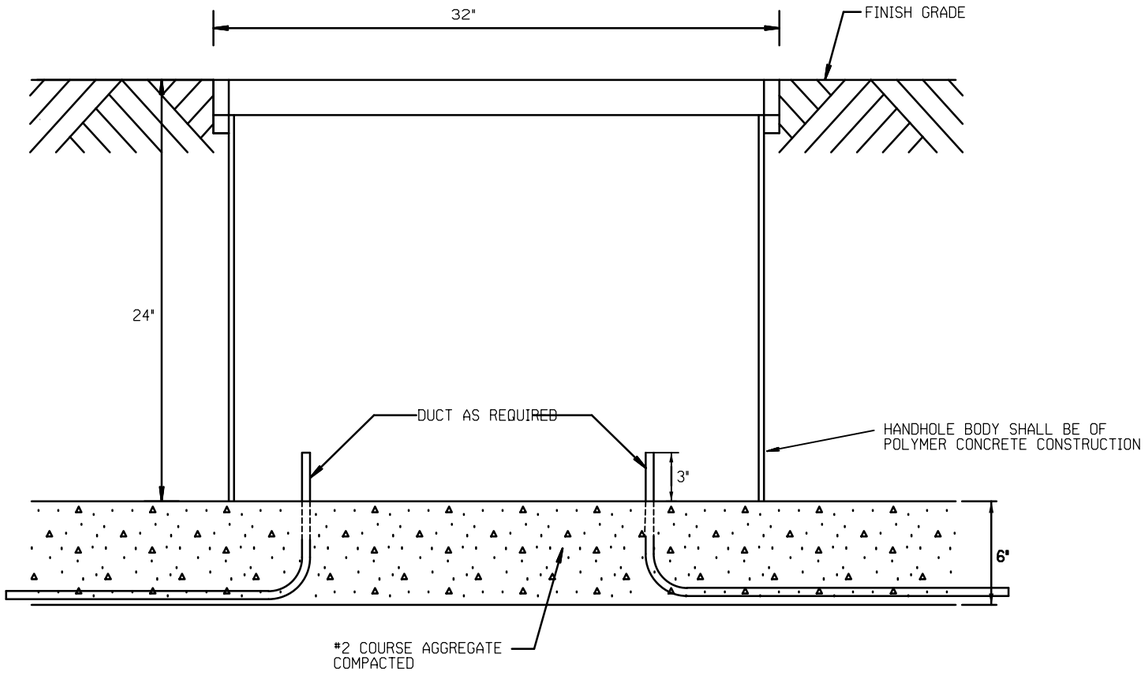
CONCRETE BASE TYPE LB-8



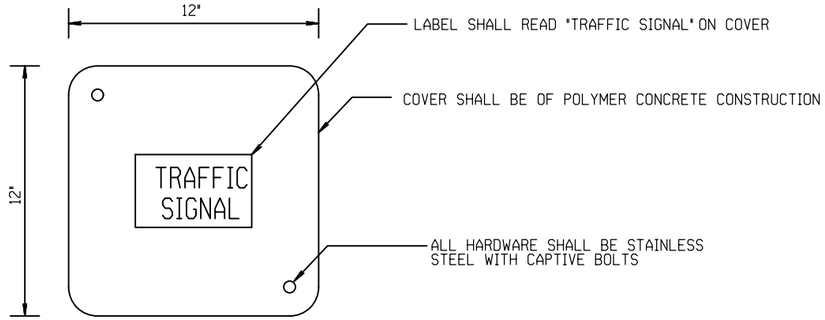


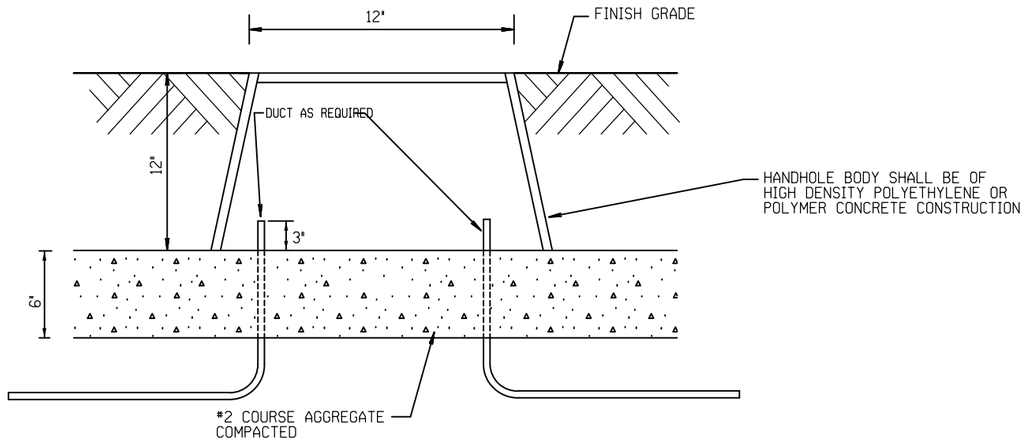
CONCRETE BASE OFFSET



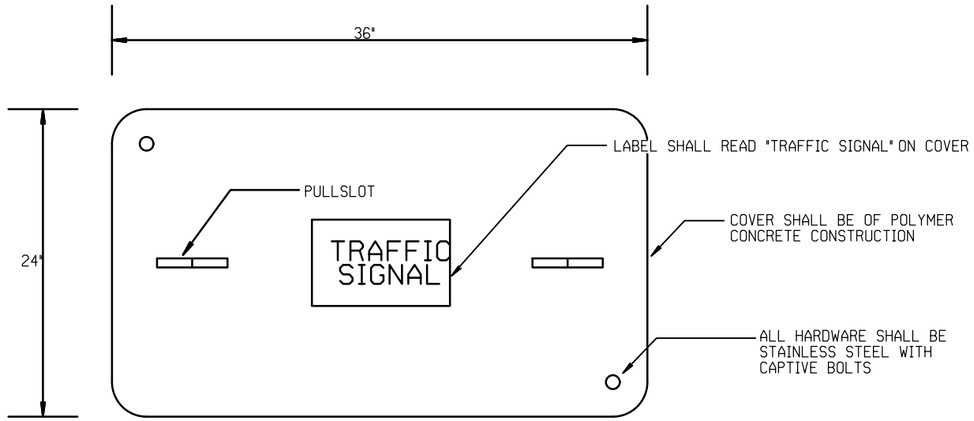


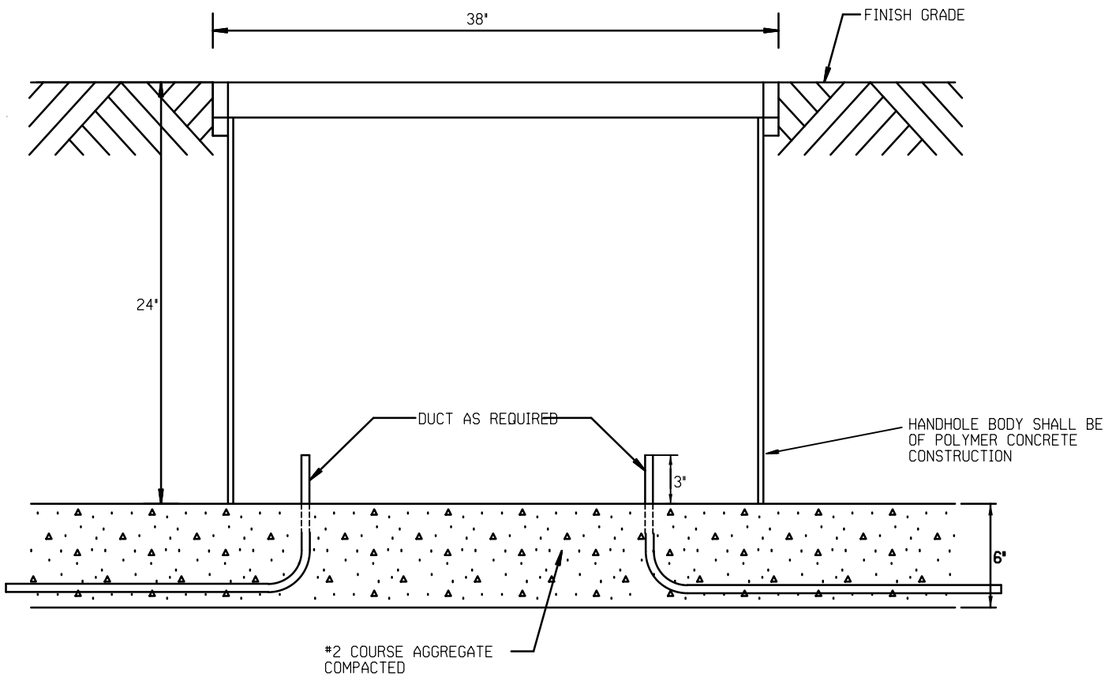
ELECTRICAL PULLBOX, TYPE I



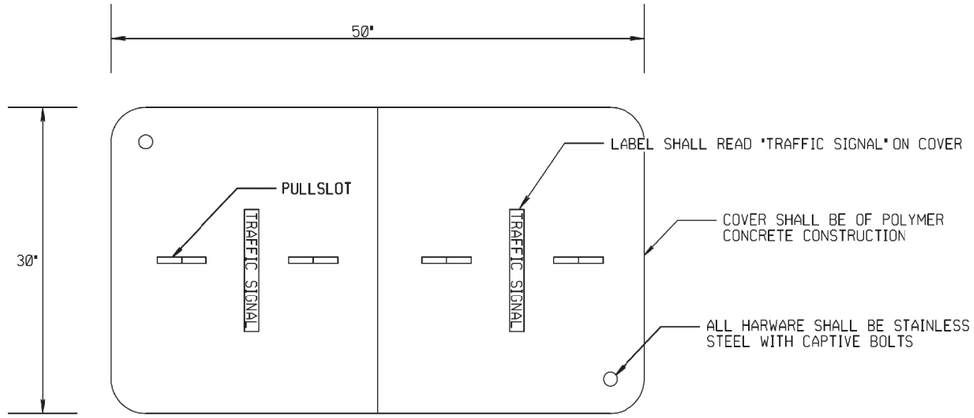


ELECTRICAL PULLBOX, TYPE III

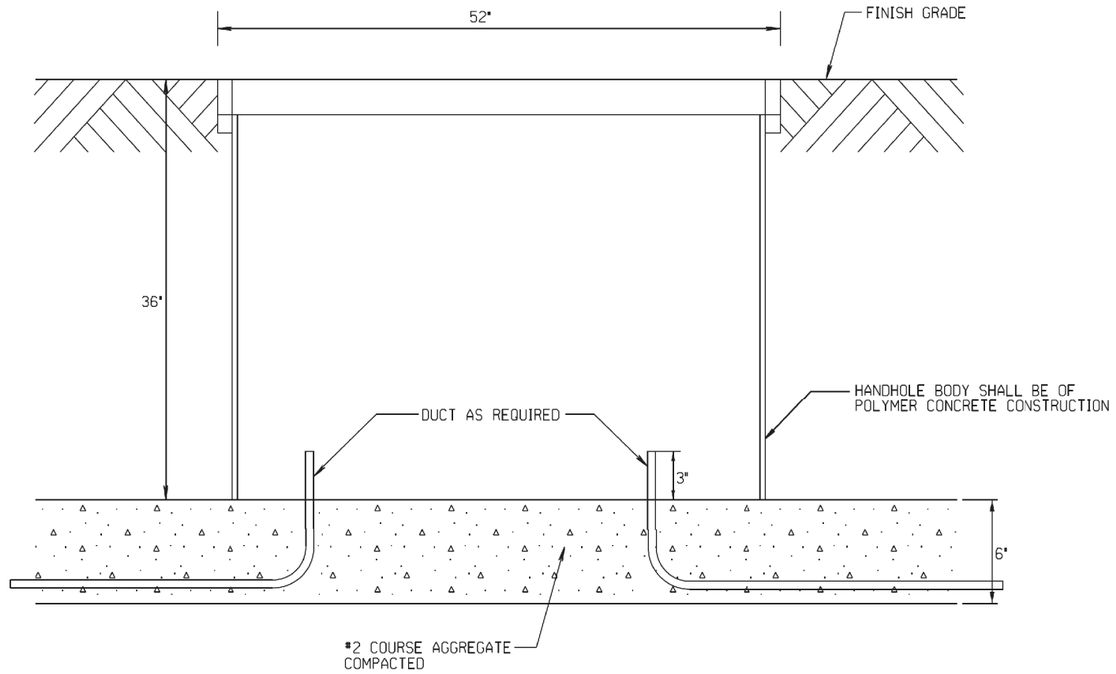




ELECTRICAL PULLBOX, TYPE V

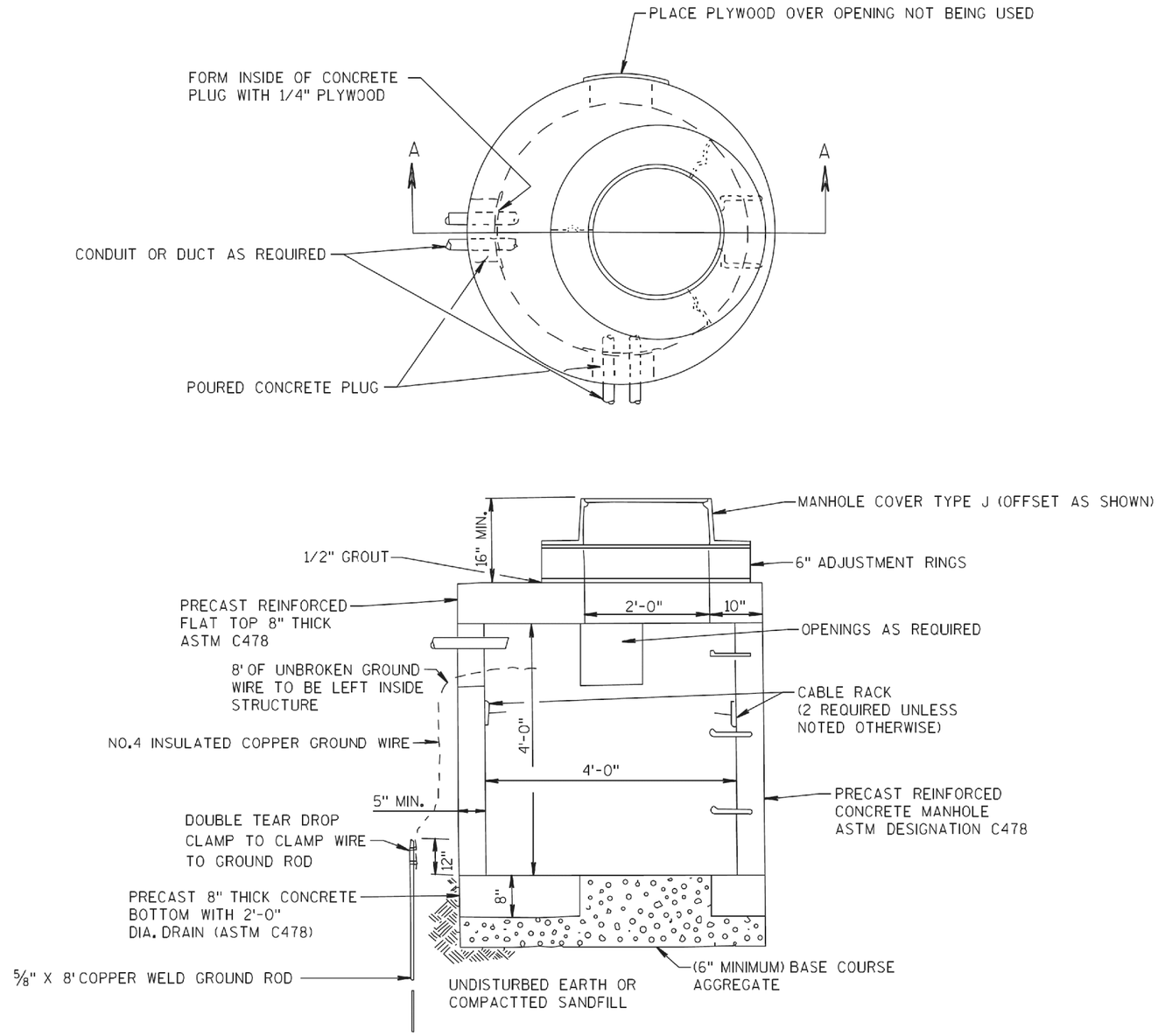


•15,000 LBS MAXIMUM LOAD OVER A 10'X10' TEST AREA RATING FOR COVER AND BOX



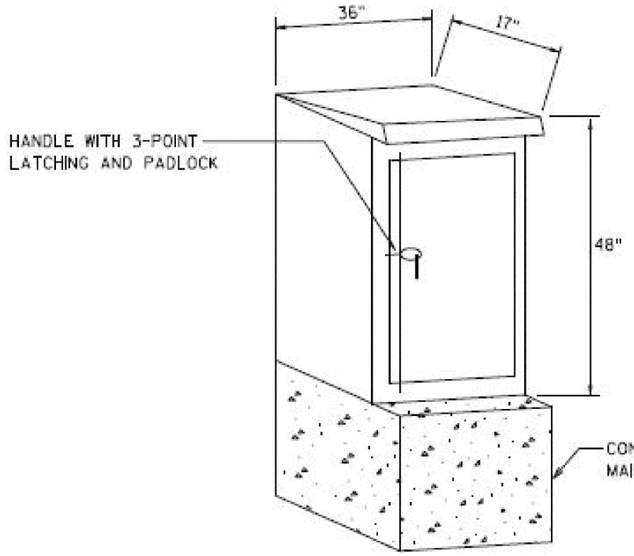
ELECTRICAL PULLBOX, TYPE VII

2

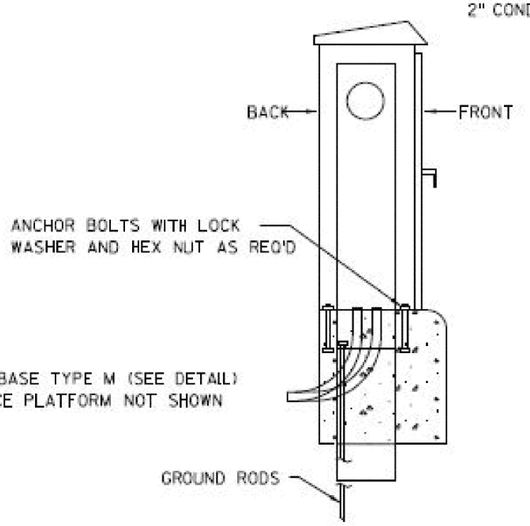


SECTION A-A

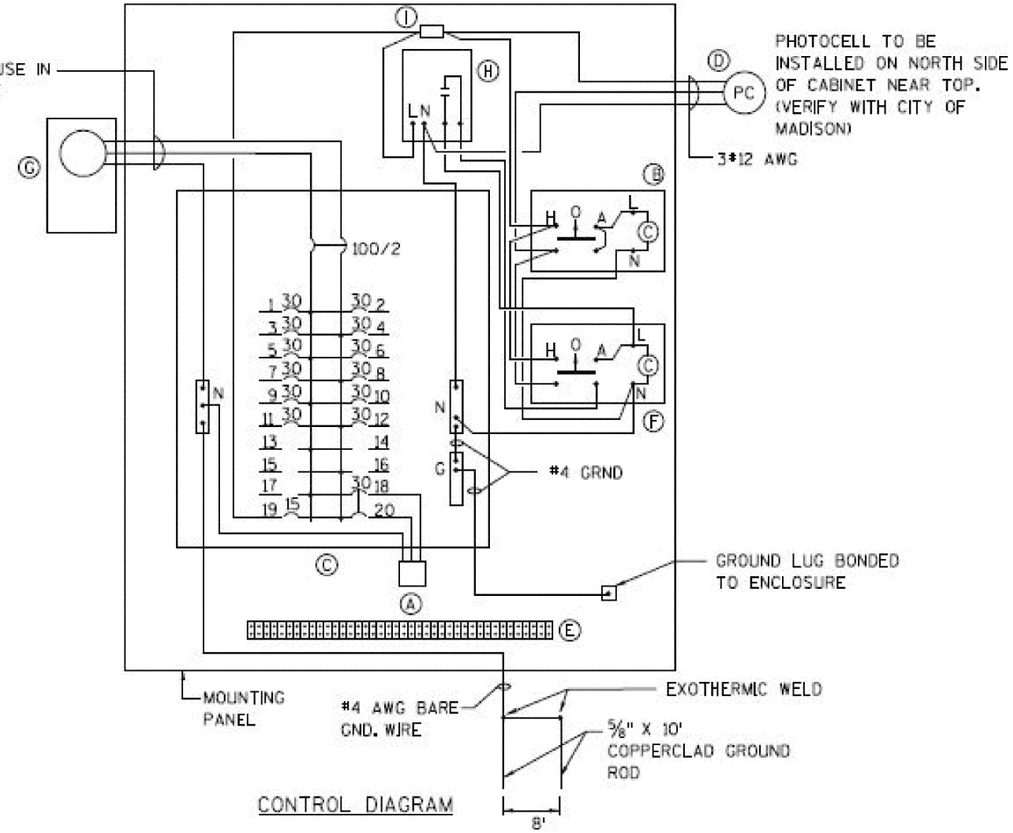
ELECTRICAL UTILITY ACCESS STRUCTURE



CABINET VIEW



SIDE VIEW



CONTROL DIAGRAM

NOTES:

ALL CONTROL WIRING SHALL BE COLOR CODED #12 AWG, XLP UNLESS OTHERWISE NOTED.

ALL POWER AND CONTROL WIRING SHALL BE NEATLY ROUTED, LABELED AND SUPPORTED.

THE LIGHTING CONTROL CABINET SHALL BE COMPLETELY WIRED UP TO THE FIELD WIRING TERMINATION STRIP IN THE CONTRACTOR'S SHOP AND TESTED PRIOR TO THE INSTALLATION AT SITE.

A COPY OF THIS SHEET WITH AS-BUILT (RECORD) CONDITIONS SHALL BE PUT IN A PLASTIC PROTECTOR IN THE CABINET.

THE CONTRACTOR SHALL COMPLY WITH LOCAL UTILITY INSTALLATION REQUIREMENTS.

USE #10 AWG XLP CONDUCTORS FROM THE 30A CB'S TO THE FIELD WIRING TERMINATION STRIP. PROVIDE A GROUND WIRE AND NEUTRAL WIRE TO FIELD WIRING TERMINATION STRIP FROM PANELBOARD FOR EACH UNDERGROUND CABLE RUN TO LIGHTING UNITS AS REQUIRED.

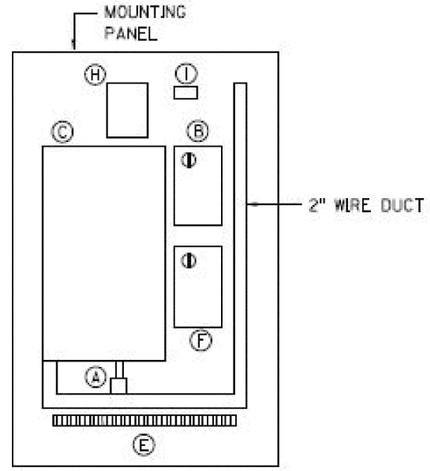
THE TIME CLOCK SHALL BE SET AS THE CITY OF MADISON DIRECTS.

CABINET SHALL NOT OVERLAP THE CONCRETE BASE.

POWER FOR STREETLIGHTING TO COME FROM METERED PEDESTAL.

EQUIPMENT

- (A) SURGE ARRESTOR
- (B) 8 POLE, 30A 600V ELECTRICALLY HELD "ALL NIGHT" CONTACTOR, 120V CONTROL COIL, H-O-A SWITCH, NEMA 1 ENCLOSURE
- (C) 100A MCB, 120/240V, 1PH, 3W, 20CKT., PANELBOARD WITH BOLT-ON BRANCH BREAKERS, 22000 A RMS INTERRUPTING CAPACITY.
- (D) BUTTON TYPE PHOTOCELL, 120V.
- (E) FIELD WIRING TERMINATION STRIP (30 BLOCKS MIN.)
- (F) 8 POLE, 30A 600V ELECTRICALLY HELD "MIDNIGHT" CONTACTOR, 120V CONTROL COIL, H-O-A SWITCH, NEMA 1 ENCLOSURE.
- (G) ASTRONOMIC TIME CLOCK, 120V
- (H) CONTROL TERMINAL BLOCK

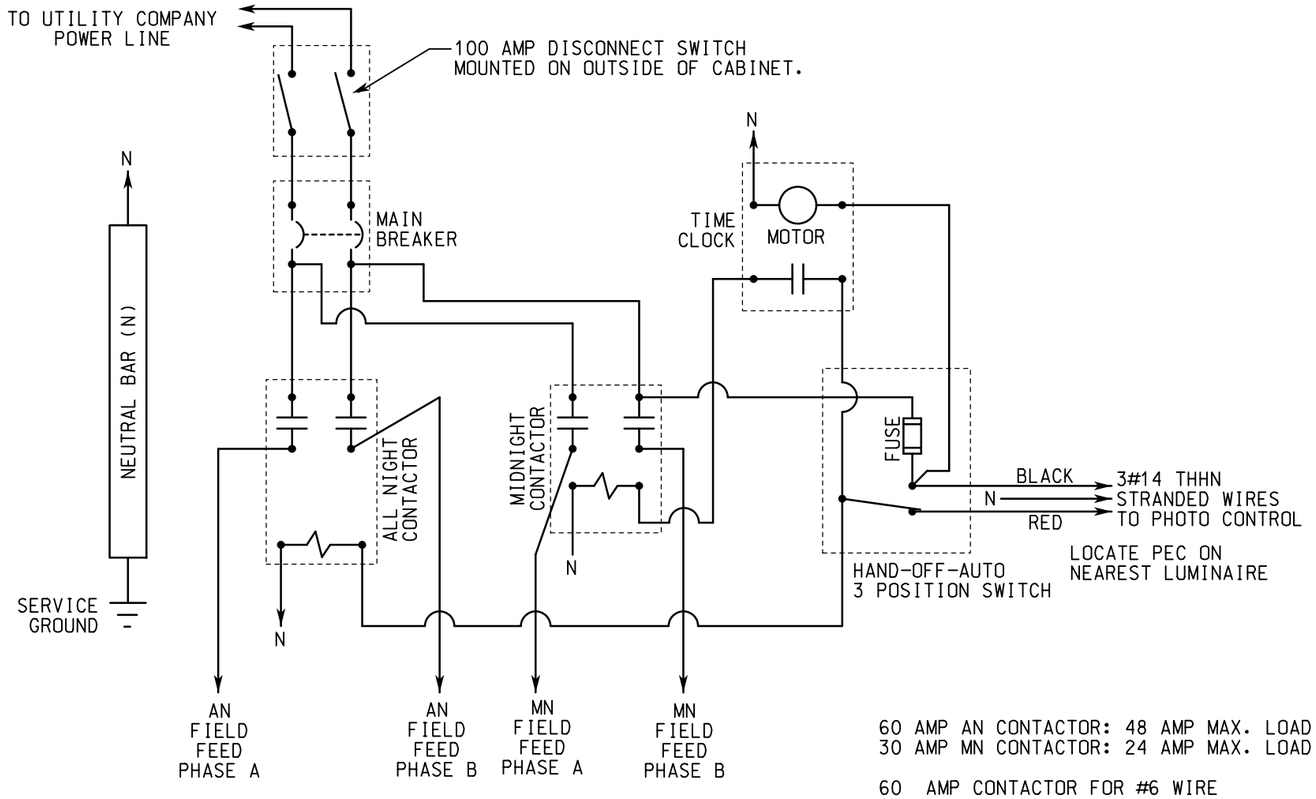


EQUIPMENT LAYOUT

LIGHTING CONTROL CABINET DETAIL
SCALE: NONE

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 37	E

2

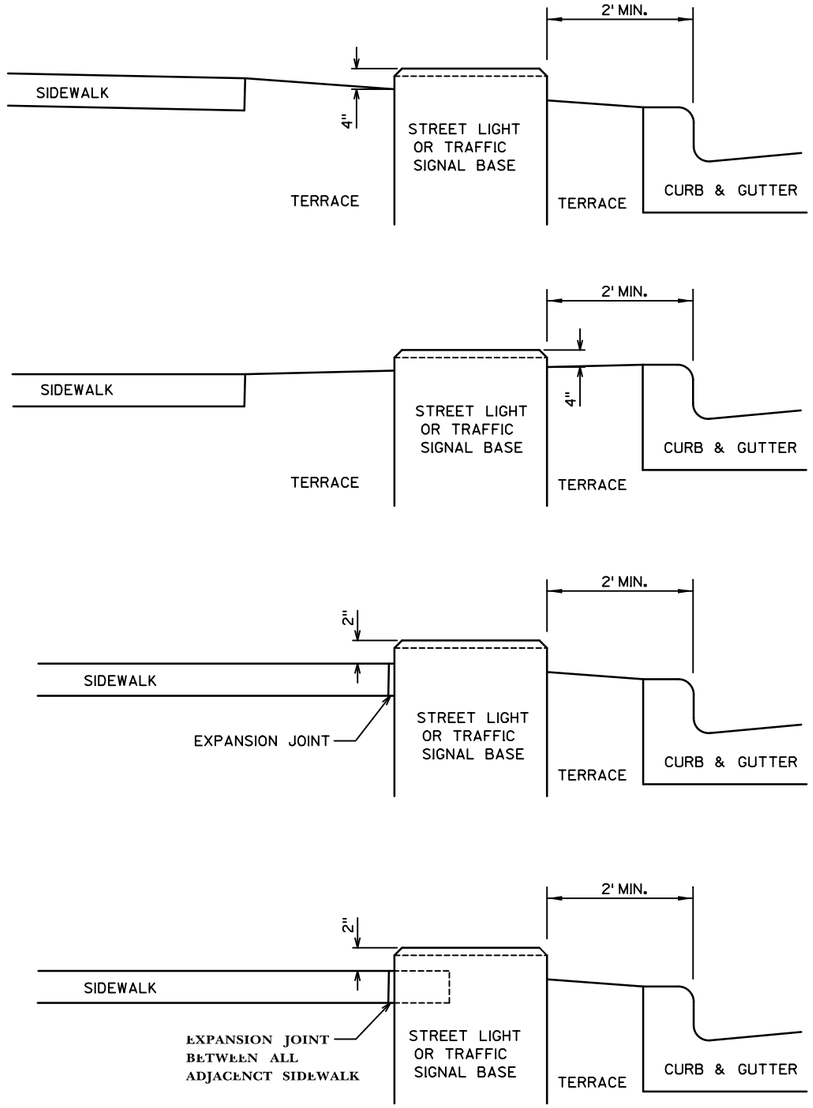


60 AMP AN CONTACTOR: 48 AMP MAX. LOAD
30 AMP MN CONTACTOR: 24 AMP MAX. LOAD

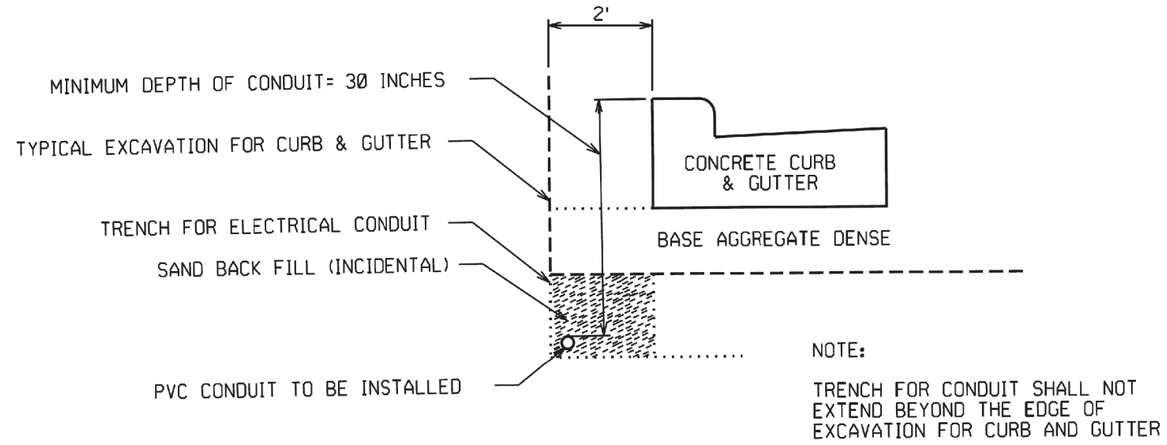
60 AMP CONTACTOR FOR #6 WIRE
100 AMP CONTACTOR FOR #4 WIRE

NOTE:
CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

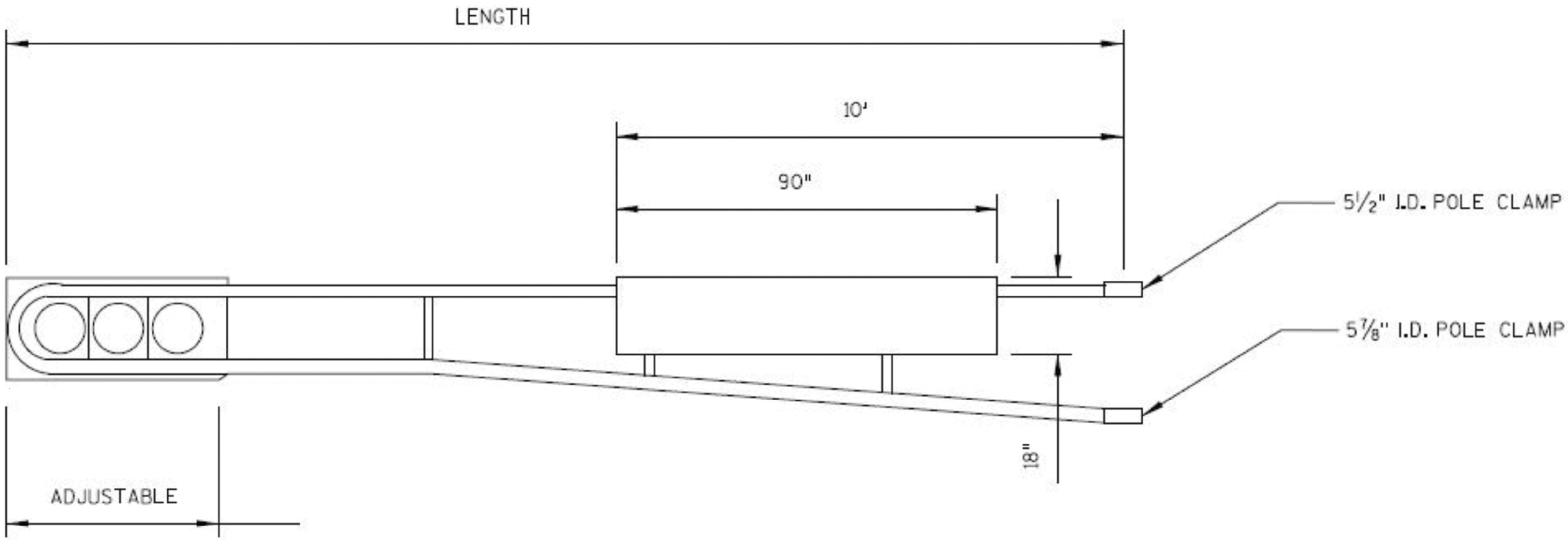
120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL



TYPICAL ELEVATIONS FOR CONCRETE BASES



TYPICAL CONDUIT INSTALLATION PARALLEL TO CURB & GUTTER



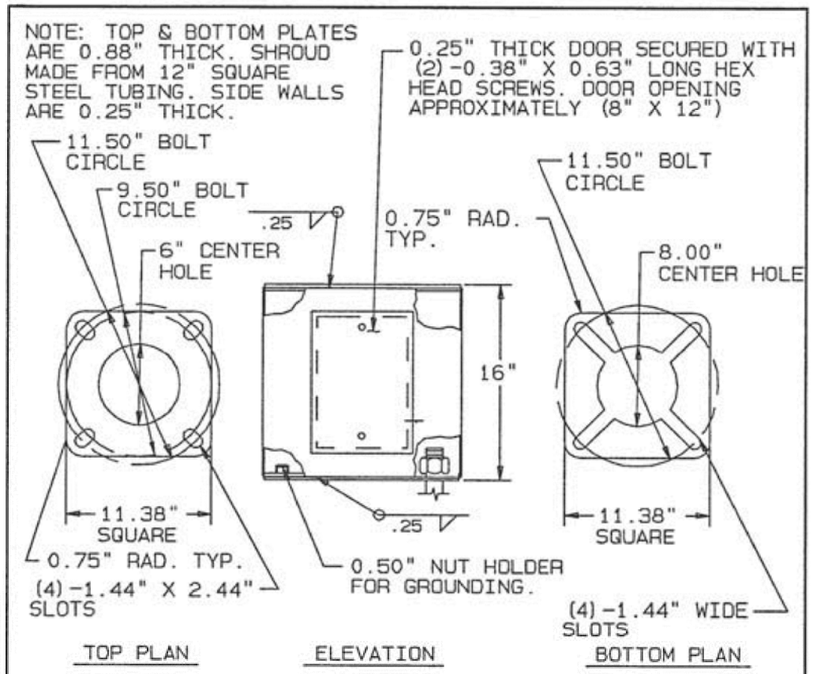
TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12, 15, 18, 22 FOOT

3-SECTION, 12" SIGNAL WITH BACKPLATE AND 18" X 90" ALUMINUM SIGN

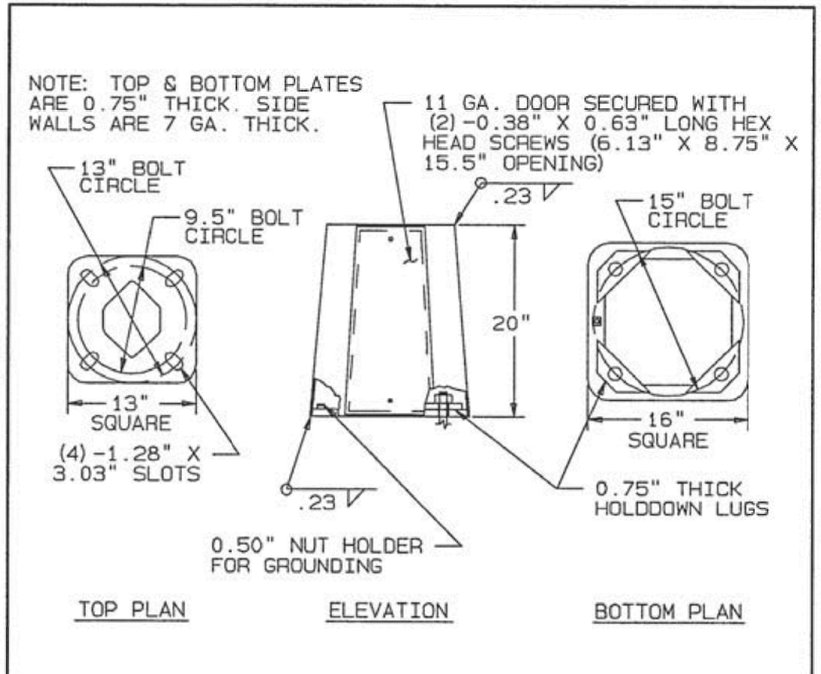
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021002_cd.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

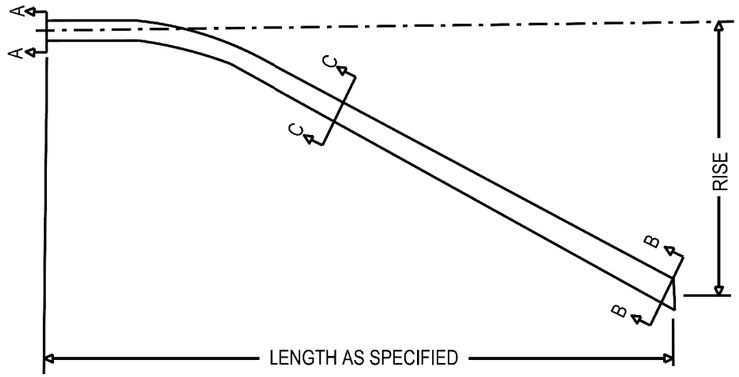


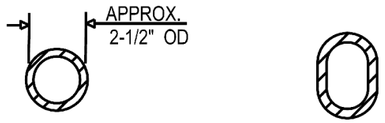
16" TRANSFORMER BASE



20" TRANSFORMER BASE

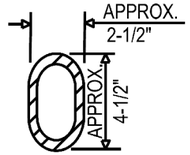
TRANSFORMER BASE 16-INCH AND 20-INCH STEEL





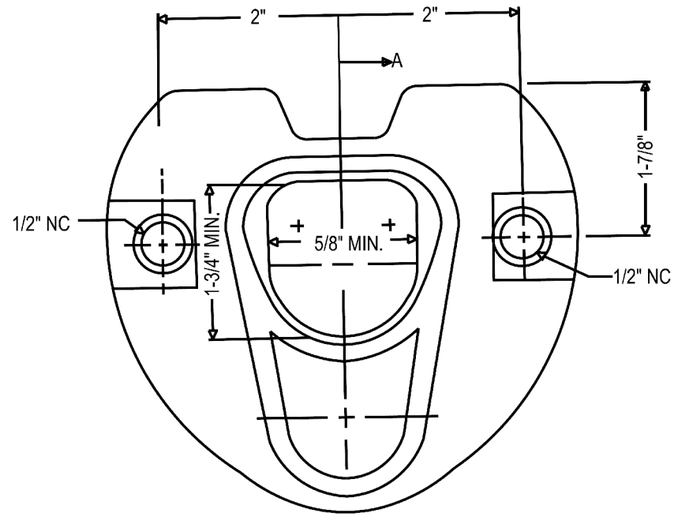
SECTION A-A

SECTION C-C

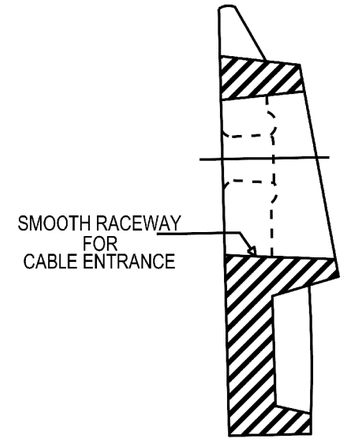


SECTION B-B

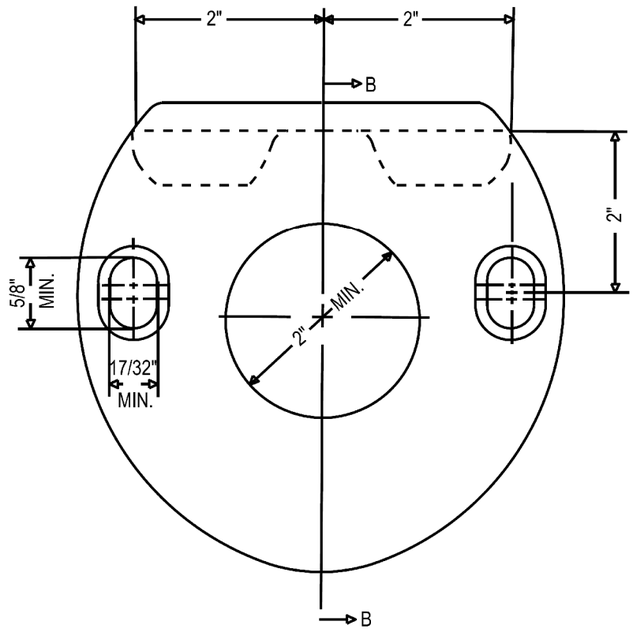
TYPICAL SINGLE MEMBER BRACKET ARM



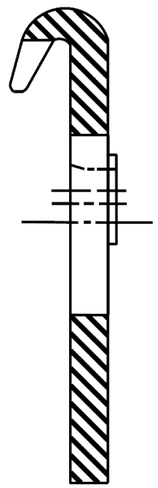
GALVANIZED STEEL
TYPICAL SIMPLEX FITTING
POLE MOUNTED



SECTION A-A



GALVANIZED STEEL
TYPICAL SIMPLEX FITTING
MAST ARM MOUNTED



SECTION B-B

2



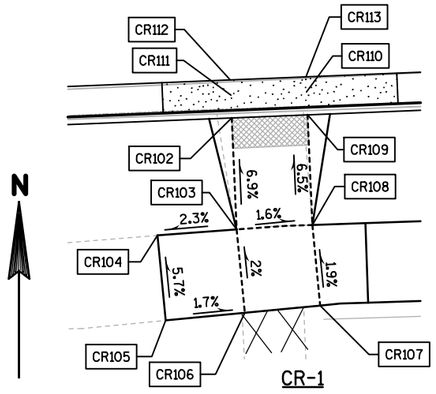
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS OVERVIEW	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021003_cd_Curb Ramp Overview.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

CR-1 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR102	77+28.53	51.71'RT	854.34
CR103	77+28.90	59.06'RT	854.85
CR104	77+23.67	59.50'RT	*
CR105	77+24.24	65.10'RT	*
CR106	77+29.47	64.57'RT	854.96
CR107	77+34.44	64.06'RT	854.87
CR108	77+33.89	58.74'RT	854.77
CR109	77+33.53	51.47'RT	854.30
CR110	77+33.46	49.97'RT	854.20
CR111	77+28.46	50.21'RT	854.24
CR112	77+28.41	49.21'RT	854.28
CR113	77+33.41	48.98'RT	854.24

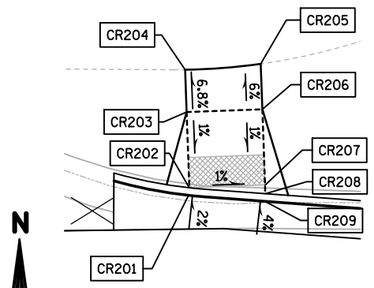
* MATCH EXISTING



CR-1

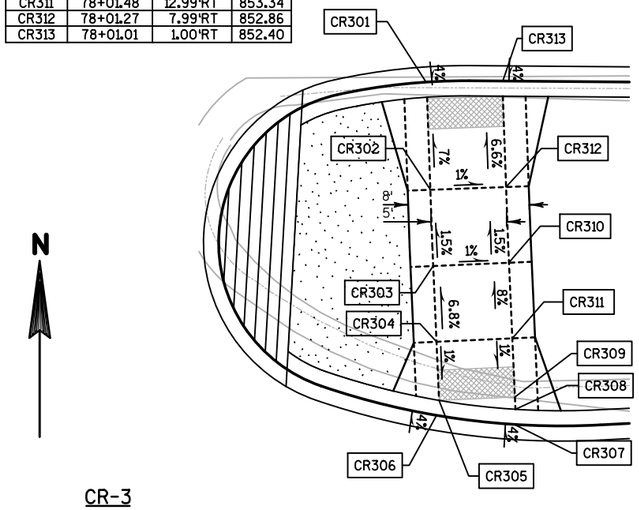
CR-2 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR201	77+94.79	24.43'LT	851.98
CR202	77+94.84	24.92'LT	851.99
CR203	77+94.62	29.92'LT	852.04
CR204	77+94.50	32.72'LT	*
CR205	77+99.49	33.14'LT	*
CR206	77+99.62	30.13'LT	851.99
CR207	77+99.83	25.14'LT	851.94
CR208	77+99.86	24.57'LT	851.93
CR209	77+99.82	24.07'LT	851.92

* MATCH EXISTING



CR-2

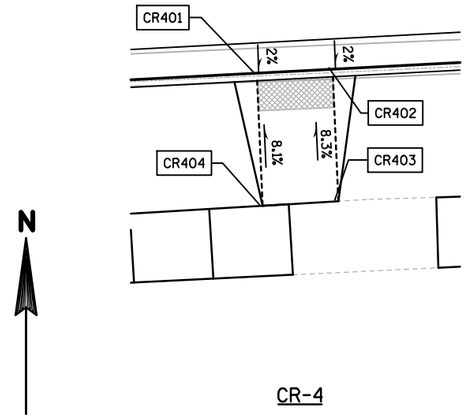
CR-3 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR301	77+95.93	1.10'RT	852.41
CR302	77+96.27	8.21'RT	852.91
CR303	77+96.50	13.25'RT	852.99
CR304	77+96.76	18.24'RT	853.33
CR305	77+96.96	22.11'RT	853.29
CR306	77+96.80	23.10'RT	853.28
CR307	78+01.94	23.66'RT	853.28
CR308	78+01.99	22.66'RT	853.29
CR309	78+01.95	21.85'RT	853.30
CR310	78+01.48	12.99'RT	852.94
CR311	78+01.48	12.99'RT	853.34
CR312	78+01.27	7.99'RT	852.86
CR313	78+01.01	1.00'RT	852.40



CR-3

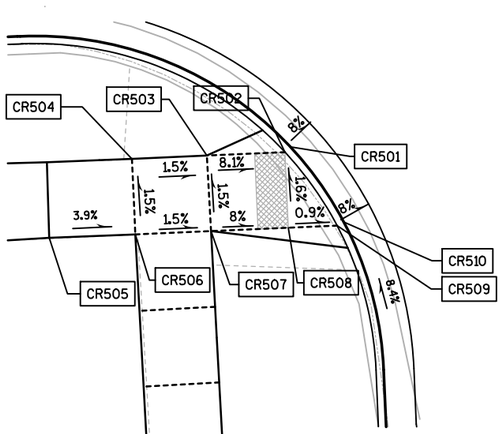
CR-4 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR401	77+98.25	47.25'RT	853.72
CR402	78+03.24	46.95'RT	853.69
CR403	78+03.70	55.67'RT	*
CR404	77+98.71	56.00'RT	*

* MATCH EXISTING



CR-4

2



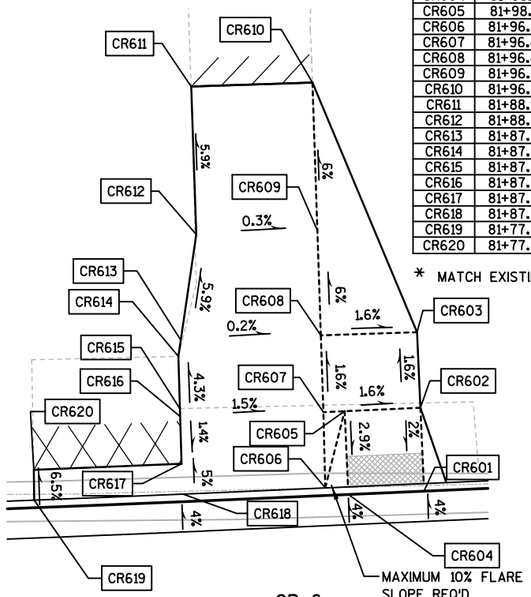
CR-5 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR501	81+34.59	38.67'RT	852.00
CR502	81+34.22	39.00'RT	852.01
CR503	81+29.14	39.12'RT	852.43
CR504	81+24.28	39.24'RT	852.50
CR505	81+18.81	44.37'RT	*
CR506	81+24.40	44.24'RT	852.57
CR507	81+29.31	44.12'RT	852.50
CR508	81+34.33	44.00'RT	852.09
CR509	81+37.50	43.93'RT	852.06
CR510	81+37.94	43.71'RT	852.05
CR511	81+30.15	69.10'RT	*
CR512	81+25.55	69.27'RT	*

* MATCH EXISTING

CR-5

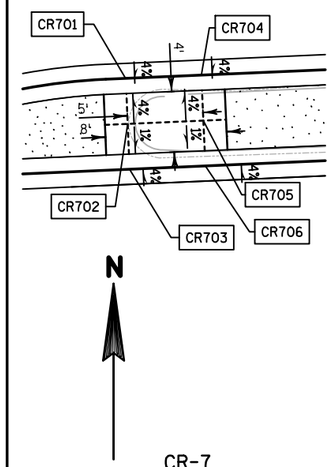
CR-6 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR601	82+03.15	22.00'LT	850.11
CR602	82+03.15	27.50'LT	850.22
CR603	82+03.15	32.50'LT	850.14
CR604	81+98.15	22.00'LT	850.14
CR605	81+98.15	27.50'LT	850.30
CR606	81+96.65	22.50'LT	---
CR607	81+96.80	32.57'LT	850.32
CR608	81+96.80	32.57'LT	850.24
CR609	81+96.87	39.50'LT	849.82
CR610	81+96.97	49.27'LT	*
CR611	81+88.97	49.35'LT	*
CR612	81+88.87	39.58'LT	849.84
CR613	81+87.53	32.66'LT	850.26
CR614	81+87.32	31.60'LT	*
CR615	81+87.28	28.15'LT	*
CR616	81+87.27	27.64'LT	*
CR617	81+87.22	24.50'LT	*
CR618	81+87.22	22.50'LT	850.52
CR619	81+77.32	22.50'LT	850.57
CR620	81+77.36	24.50'LT	*

* MATCH EXISTING



CR-6

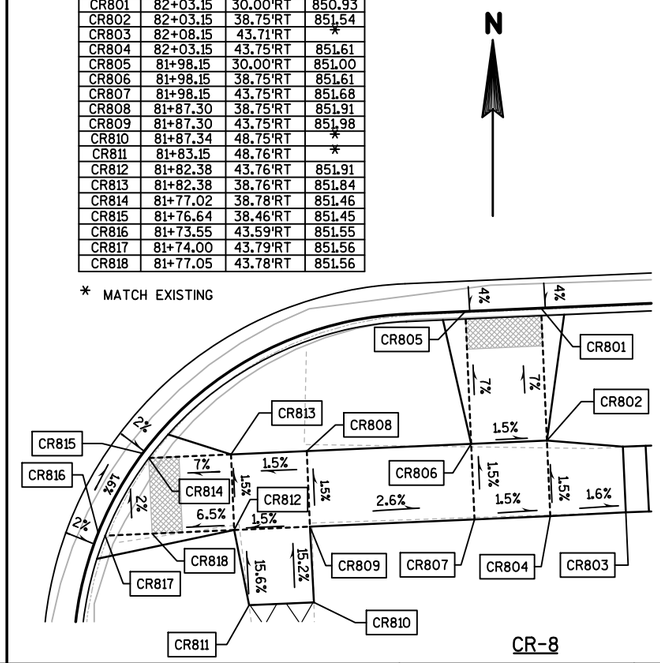
CR-7 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR701	81+98.15	1.00'RT	850.58
CR702	81+98.15	4.00'RT	850.70
CR703	81+98.15	7.00'RT	850.67
CR704	82+03.15	1.00'RT	850.55
CR705	82+03.15	4.00'RT	850.67
CR706	82+03.15	7.00'RT	850.64



CR-7

CR-8 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR801	82+03.15	30.00'RT	850.93
CR802	82+03.15	38.75'RT	851.54
CR803	82+08.15	43.71'RT	*
CR804	82+03.15	43.75'RT	851.61
CR805	81+98.15	30.00'RT	851.00
CR806	81+98.15	38.75'RT	851.61
CR807	81+98.15	43.75'RT	851.68
CR808	81+87.30	38.75'RT	851.91
CR809	81+87.30	43.75'RT	851.98
CR810	81+87.34	48.75'RT	*
CR811	81+83.15	48.76'RT	*
CR812	81+82.38	43.76'RT	851.91
CR813	81+82.38	38.76'RT	851.84
CR814	81+77.02	38.78'RT	851.46
CR815	81+76.64	38.46'RT	851.45
CR816	81+73.55	43.59'RT	851.55
CR817	81+74.00	43.79'RT	851.56
CR818	81+77.05	43.78'RT	851.56

* MATCH EXISTING

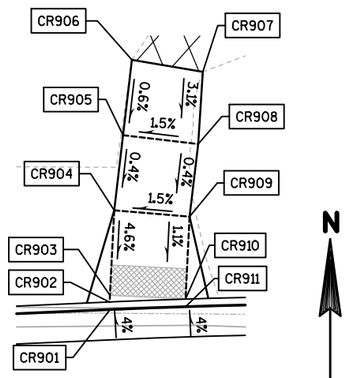


CR-8

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET 44	E

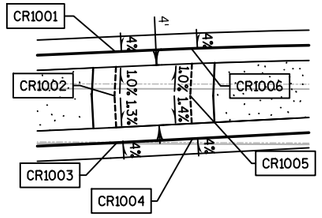
CR-9 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR901	86+99.00	22.00'LT	851.44
CR902	86+99.00	22.50'LT	851.45
CR903	86+99.04	22.94'LT	851.45
CR904	86+99.56	28.53'LT	851.71
CR905	87+00.31	33.47'LT	851.73
CR906	87+01.03	38.40'LT	*
CR907	87+05.22	37.46'LT	*
CR908	87+04.82	32.70'LT	851.80
CR909	87+04.17	27.93'LT	851.78
CR910	87+03.76	22.50'LT	851.72
CR911	87+03.76	22.00'LT	851.71

* MATCH EXISTING



CR-9

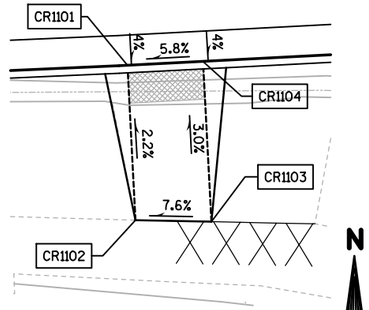
CR-10 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1001	86+96.71	1.00'RT	851.75
CR1002	86+96.53	3.91'RT	851.78
CR1003	86+96.56	7.00'RT	851.74
CR1004	87+01.60	6.95'RT	852.03
CR1005	87+01.56	4.12'RT	852.07
CR1006	87+01.74	1.00'RT	852.04



CR-10

CR-11 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1101	86+96.74	30.00'RT	850.90
CR1102	86+96.83	40.22'RT	*
CR1103	87+02.11	40.54'RT	*
CR1104	87+01.93	29.95'RT	851.19

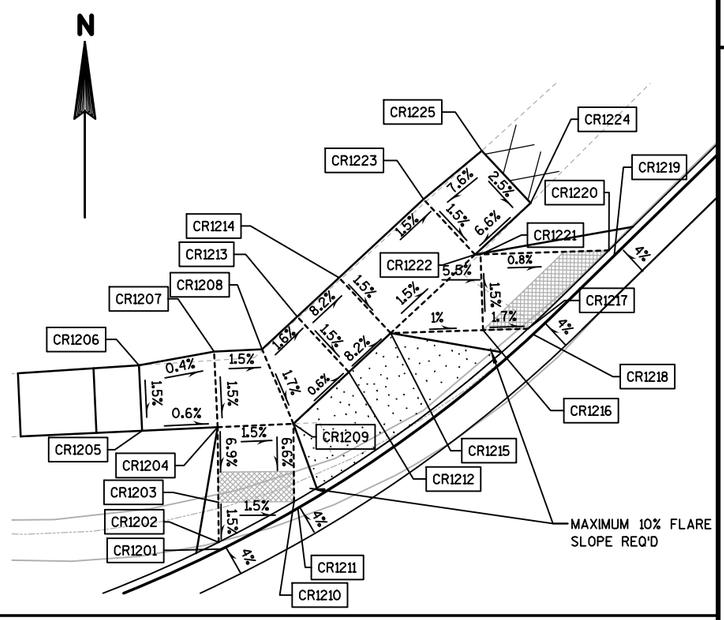
* MATCH EXISTING



CR-11

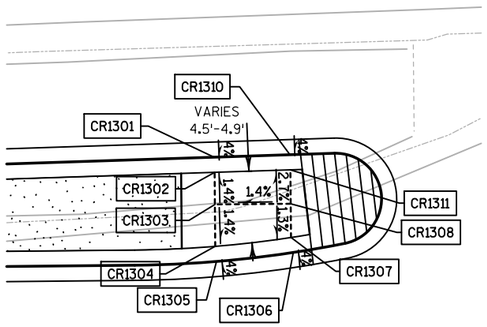
CR-12 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1201	94+70.78	30.12'LT	853.60
CR1202	94+70.57	30.58'LT	853.61
CR1203	94+70.63	33.21'LT	853.65
CR1204	94+70.74	38.16'LT	853.99
CR1205	94+65.74	38.09'LT	854.02
CR1206	94+65.68	42.42'LT	854.08
CR1207	94+70.67	43.16'LT	854.06
CR1208	94+73.84	43.21'LT	854.01
CR1209	94+75.75	38.24'LT	853.92
CR1210	94+75.63	33.10'LT	853.58
CR1211	94+75.86	32.66'LT	853.57
CR1212	94+79.51	41.52'LT	853.89
CR1213	94+76.23	45.29'LT	853.96
CR1214	94+79.07	47.77'LT	853.65
CR1215	94+82.36	44.00'LT	853.58
CR1216	94+88.45	44.00'LT	853.52
CR1217	94+91.43	44.00'LT	853.47
CR1218	94+91.75	43.62'LT	853.46
CR1219	94+97.26	48.63'LT	853.37
CR1220	94+96.92	49.00'LT	853.38
CR1221	94+88.45	49.00'LT	853.45
CR1222	94+88.09	49.00'LT	853.47
CR1223	94+84.81	52.77'LT	853.54
CR1224	94+88.76	55.84'LT	*
CR1225	94+91.86	52.29'LT	*

* MATCH EXISTING



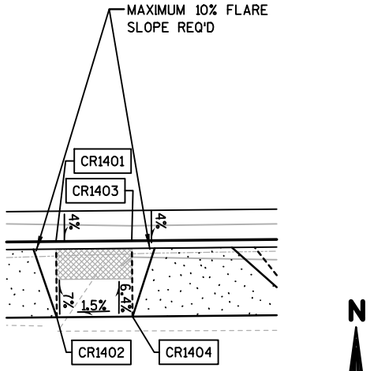
CR-12

CR-13 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1301	94+69.82	1.00'RT	854.16
CR1302	94+69.82	2.00'RT	854.17
CR1303	94+69.77	4.11'RT	854.20
CR1304	94+69.71	6.88'RT	854.16
CR1305	94+69.76	7.88'RT	854.15
CR1306	94+74.84	7.45'RT	854.23
CR1307	94+74.72	6.46'RT	854.24
CR1308	94+74.77	4.23'RT	854.27
CR1310	94+74.82	1.00'RT	854.20
CR1311	120+19.80	2.00'RT	854.21



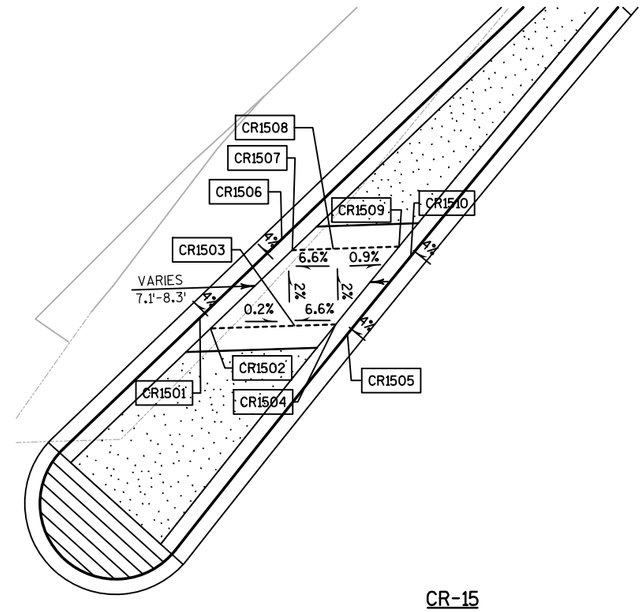
CR-13

CR-14 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1401	94+68.92	41.07'RT	853.95
CR1402	94+68.81	46.07'RT	854.30
CR1403	94+73.92	41.18'RT	854.05
CR1404	94+73.81	46.18'RT	854.37



CR-14

CR-15 POINTS			
POINT NO.	FORDEM AVE. STATION	OFFSET	ELEV.
CR1501	10+68.04	1.00'RT	853.60
CR1502	10+68.04	2.00'RT	853.61
CR1503	10+72.17	5.72'RT	853.60
CR1504	10+74.18	7.53'RT	853.78
CR1505	10+74.31	8.52'RT	853.77
CR1506	10+75.51	1.00'RT	853.49
CR1507	10+75.51	2.00'RT	853.50
CR1508	10+77.53	3.81'RT	853.68
CR1509	10+80.76	6.71'RT	853.64
CR1510	10+80.88	7.71'RT	853.63



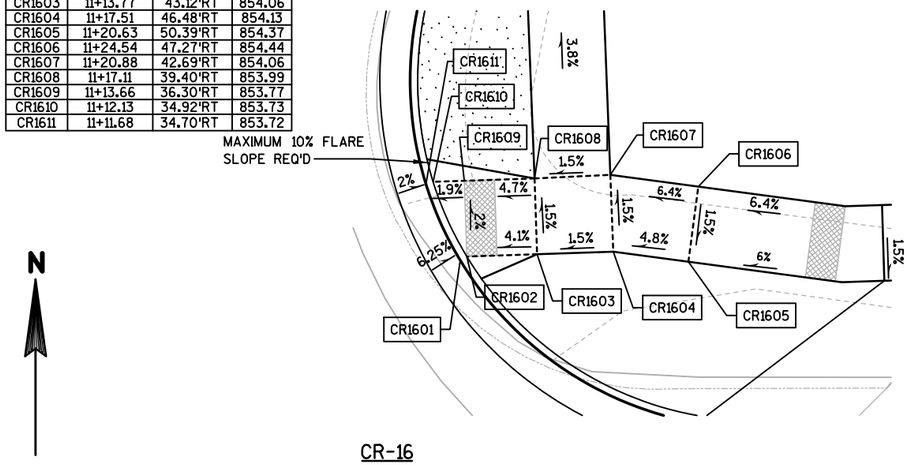
CR-15

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\021005_cd_Curb Ramp.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

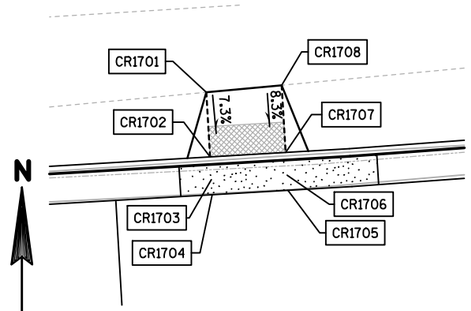
CR-16 POINTS			
POINT NO.	FORDEM AVE. STATION	OFFSET	ELEV.
CR1601	11+09.83	39.90'RT	853.86
CR1602	11+10.32	40.01'RT	853.87
CR1603	11+13.77	43.12'RT	854.06
CR1604	11+17.51	46.48'RT	854.13
CR1605	11+20.63	50.39'RT	854.37
CR1606	11+24.54	47.27'RT	854.44
CR1607	11+20.88	42.69'RT	854.06
CR1608	11+17.11	39.40'RT	853.99
CR1609	11+13.66	36.30'RT	853.77
CR1610	11+12.13	34.92'RT	853.73
CR1611	11+11.68	34.70'RT	853.72



CR-16

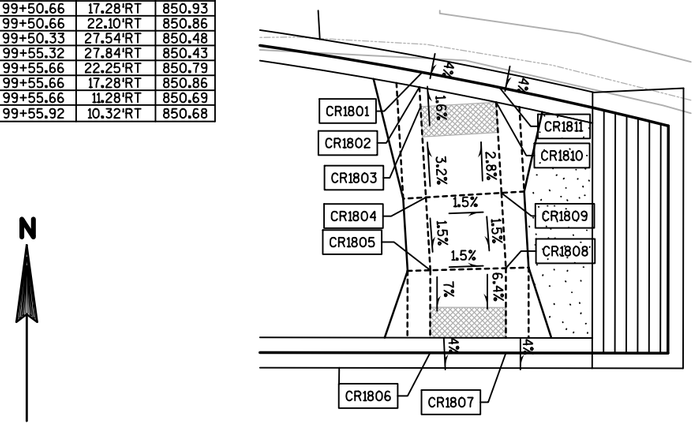
CR-17 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1701	99+50.66	36.77'LT	*
CR1702	99+50.66	32.50'LT	850.13
CR1703	99+50.66	31.00'LT	850.03
CR1704	99+50.66	30.00'LT	850.07
CR1705	99+55.66	30.00'LT	850.03
CR1706	99+55.66	31.00'LT	849.99
CR1707	99+55.66	32.50'LT	850.09
CR1708	99+55.66	36.95'LT	*

* MATCH EXISTING



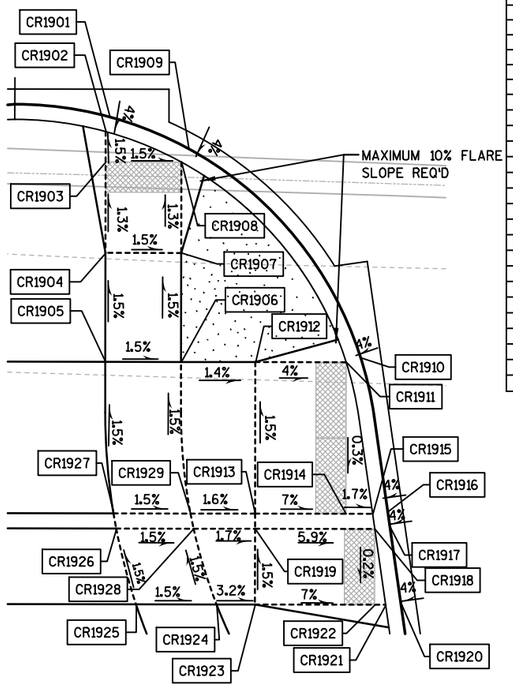
CR-17

CR-18 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1801	99+50.90	9.02'RT	850.71
CR1802	99+50.66	10.00'RT	850.72
CR1803	99+50.66	11.28'RT	850.74
CR1804	99+50.66	17.28'RT	850.93
CR1805	99+50.66	22.10'RT	850.86
CR1806	99+50.33	27.54'RT	850.48
CR1807	99+55.32	27.84'RT	850.43
CR1808	99+55.66	22.25'RT	850.79
CR1809	99+55.66	17.28'RT	850.86
CR1810	99+55.66	11.28'RT	850.69
CR1811	99+55.92	10.32'RT	850.68



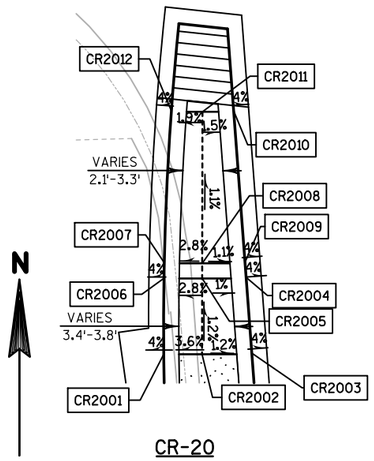
CR-18

CR-19 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR1901	10+70.95	53.52'RT	849.63
CR1902	10+71.89	53.86'RT	849.64
CR1903	10+73.89	54.01'RT	849.67
CR1904	10+79.87	54.47'RT	849.75
CR1905	10+87.05	55.02'RT	849.86
CR1906	10+87.43	50.04'RT	849.79
CR1907	10+80.25	49.48'RT	849.68
CR1908	10+74.27	49.03'RT	849.60
CR1909	10+73.43	48.48'RT	849.59
CR1910	10+88.03	38.19'RT	849.47
CR1911	10+88.26	39.16'RT	849.48
CR1912	10+87.80	45.14'RT	849.72
CR1913	10+97.78	45.91'RT	849.87
CR1914	10+98.23	39.93'RT	849.45
CR1915	10+98.37	38.17'RT	849.42
CR1916	10+98.30	37.17'RT	849.41
CR1917	10+99.31	37.11'RT	849.41
CR1918	10+99.38	38.10'RT	849.42
CR1919	10+98.77	45.99'RT	849.89
CR1920	11+04.35	36.77'RT	849.39
CR1921	11+04.42	37.77'RT	849.40
CR1922	11+04.36	38.49'RT	849.41
CR1923	11+03.76	46.37'RT	849.96
CR1924	11+03.56	48.90'RT	850.04
CR1925	11+03.16	54.20'RT	850.12
CR1926	10+98.07	55.13'RT	850.04
CR1927	10+97.06	55.23'RT	850.02
CR1928	10+98.46	50.03'RT	850.96
CR1929	10+97.45	50.16'RT	850.94



CR-19

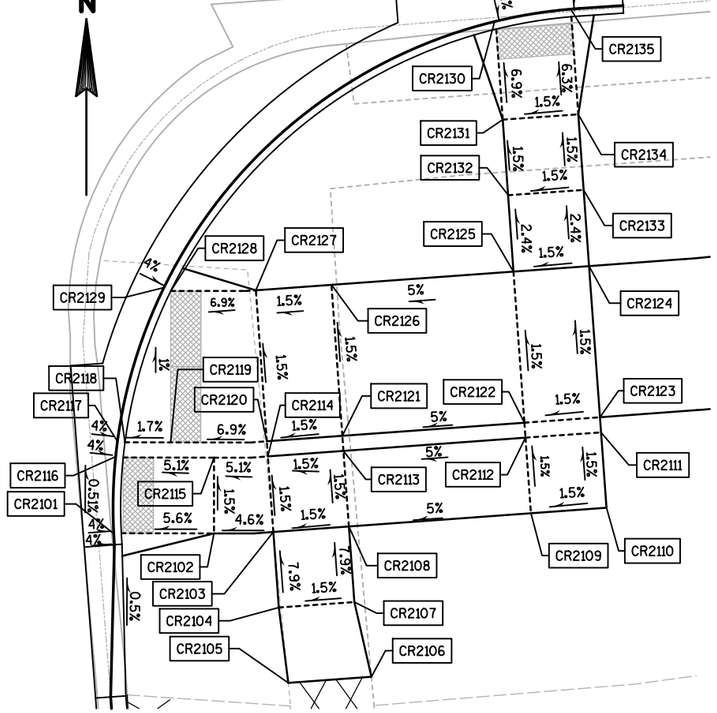
CR-20 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR2001	11+06.81	6.80'RT	849.71
CR2002	11+06.99	4.28'RT	849.80
CR2003	11+07.17	1.00'RT	849.76
CR2004	11+02.15	1.00'RT	849.71
CR2005	11+02.00	3.90'RT	849.74
CR2006	11+01.80	6.41'RT	849.67
CR2007	11+00.80	6.32'RT	849.66
CR2008	11+01.01	3.82'RT	849.73
CR2009	11+01.15	1.00'RT	849.70
CR2010	10+91.12	1.00'RT	849.59
CR2011	10+91.04	3.05'RT	849.62
CR2012	10+90.81	5.10'RT	849.58



CR-20

CR-21 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR2101	11+11.19	50.01'LT	848.99
CR2102	11+11.67	56.60'LT	849.36
CR2103	11+11.87	60.52'LT	849.54
CR2104	11+16.87	60.51'LT	849.93
CR2105	11+21.87	60.76'LT	*
CR2106	11+21.89	66.26'LT	*
CR2107	11+16.88	65.51'LT	850.00
CR2108	11+11.88	65.52'LT	849.61
CR2109	11+11.91	77.57'LT	850.21
CR2110	11+11.93	82.56'LT	850.28
CR2111	11+06.93	82.58'LT	850.21
CR2112	11+06.91	77.58'LT	850.14
CR2113	11+06.88	65.54'LT	849.54
CR2114	11+06.87	60.54'LT	849.47
CR2115	11+06.68	56.99'LT	849.29
CR2116	11+06.13	50.51'LT	848.96
CR2117	11+05.13	50.71'LT	848.95
CR2118	11+05.23	51.20'LT	848.96
CR2119	11+05.46	54.20'LT	849.01
CR2120	11+05.87	60.54'LT	849.45
CR2121	11+05.88	65.54'LT	849.52
CR2122	11+05.91	77.58'LT	850.12
CR2123	11+05.93	82.58'LT	850.19
CR2124	10+95.93	82.62'LT	850.04
CR2125	10+95.91	77.62'LT	849.97
CR2126	10+95.88	65.56'LT	849.37
CR2127	10+95.87	60.56'LT	849.30
CR2128	10+95.49	54.96'LT	848.91
CR2129	10+95.24	54.53'LT	848.90
CR2130	10+79.37	77.59'LT	849.33
CR2131	10+85.87	77.66'LT	849.78
CR2132	10+90.87	77.64'LT	849.85
CR2133	10+90.88	82.64'LT	849.92
CR2134	10+85.88	82.66'LT	849.85
CR2135	10+78.93	82.67'LT	849.41

* MATCH EXISTING

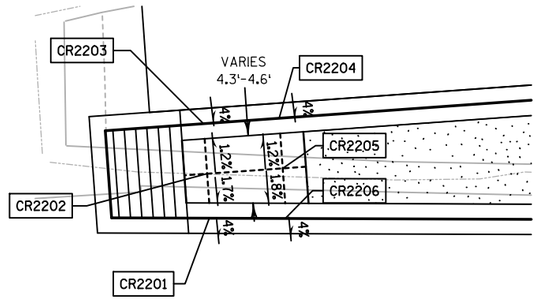


CR-21

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET 46 E

2

CR-22 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR2201	100+78.30	28.25'RT	850.08
CR2202	100+78.37	25.31'RT	850.13
CR2203	100+78.37	22.00'RT	850.09
CR2204	100+83.37	22.00'RT	850.13
CR2205	100+83.37	25.31'RT	850.17
CR2206	100+83.30	28.62'RT	850.11

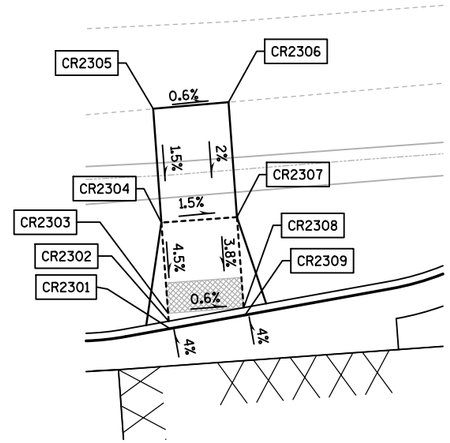


CR-22



CR-23 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR2301	100+78.45	24.45'LT	849.62
CR2302	100+78.39	24.95'LT	849.63
CR2303	100+78.39	25.48'LT	849.64
CR2304	100+78.38	31.48'LT	849.91
CR2305	100+78.37	39.01'LT	*
CR2306	100+83.37	39.09'LT	*
CR2307	100+83.38	31.49'LT	849.84
CR2308	100+83.39	25.49'LT	849.61
CR2309	100+83.44	24.99'LT	849.60

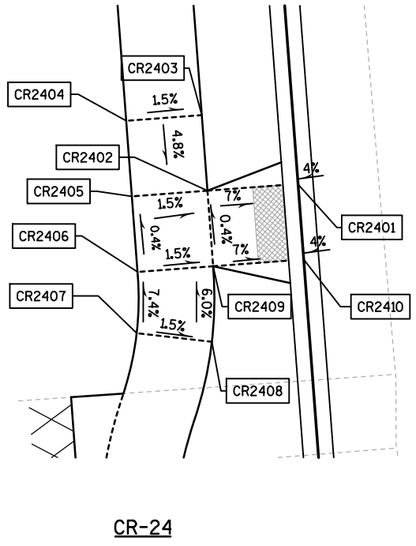
* MATCH EXISTING



CR-23



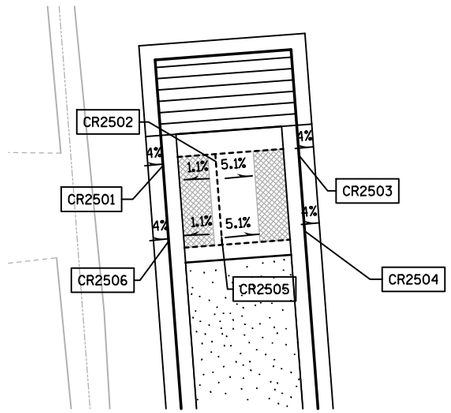
CR-24 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR2401	13+49.32	27.00'RT	850.28
CR2402	13+49.32	33.00'RT	850.70
CR2403	13+44.32	33.00'RT	850.94
CR2404	13+44.32	38.00'RT	851.01
CR2405	13+49.32	38.00'RT	850.77
CR2406	13+54.32	38.00'RT	850.79
CR2407	13+58.35	38.36'RT	851.09
CR2408	13+59.29	33.45'RT	851.02
CR2409	13+54.32	33.00'RT	850.72
CR2410	13+54.32	27.00'RT	850.30



CR-24



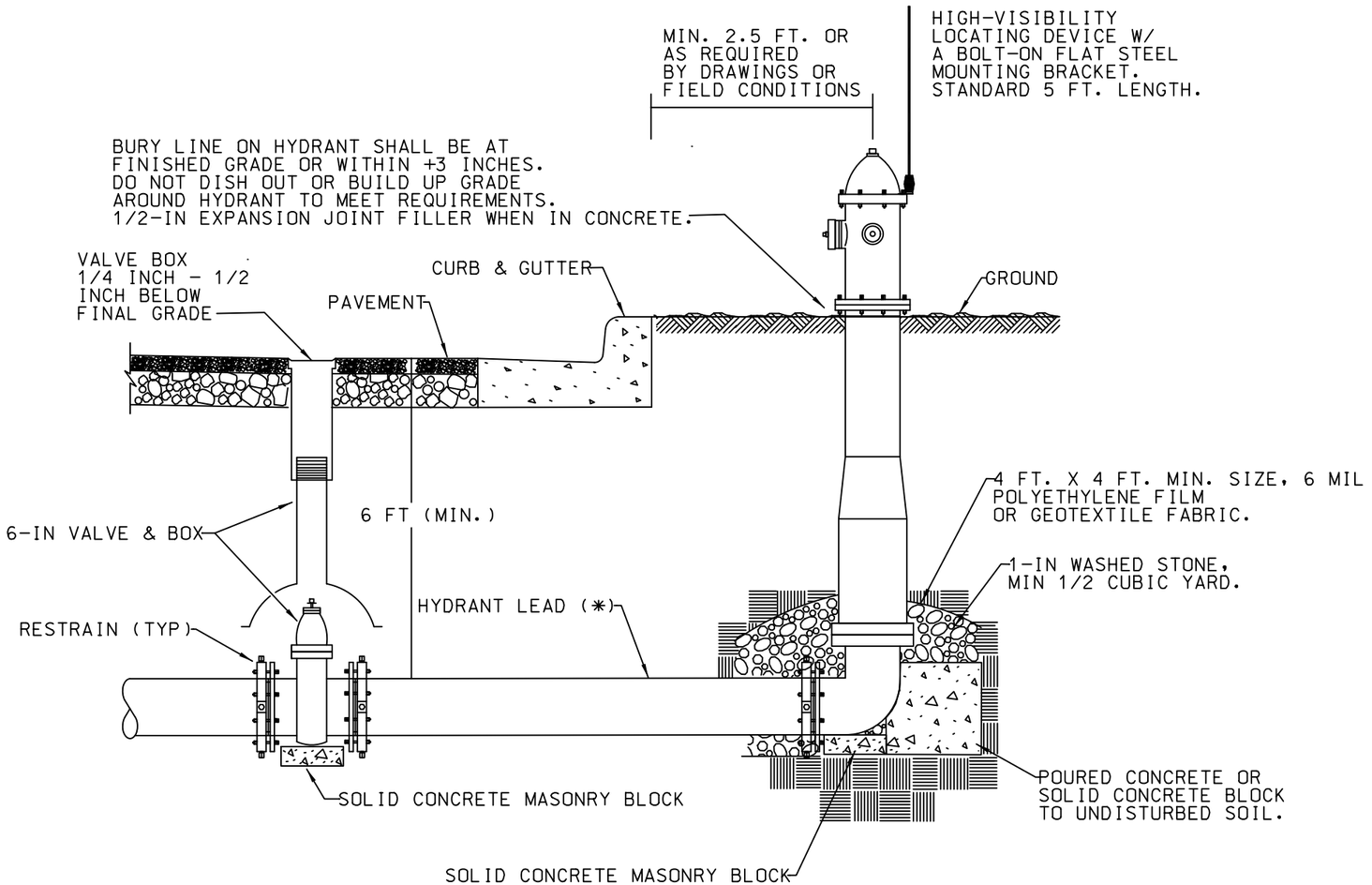
CR-25 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR2501	13+49.32	1.00'LT	850.80
CR2502	13+49.32	4.50'LT	850.84
CR2503	13+49.32	10.00'LT	850.56
CR2504	13+54.32	10.00'LT	850.58
CR2505	13+54.32	4.50'LT	850.86
CR2506	13+54.32	1.00'LT	850.82



CR-25



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET 47	E



NOTE:

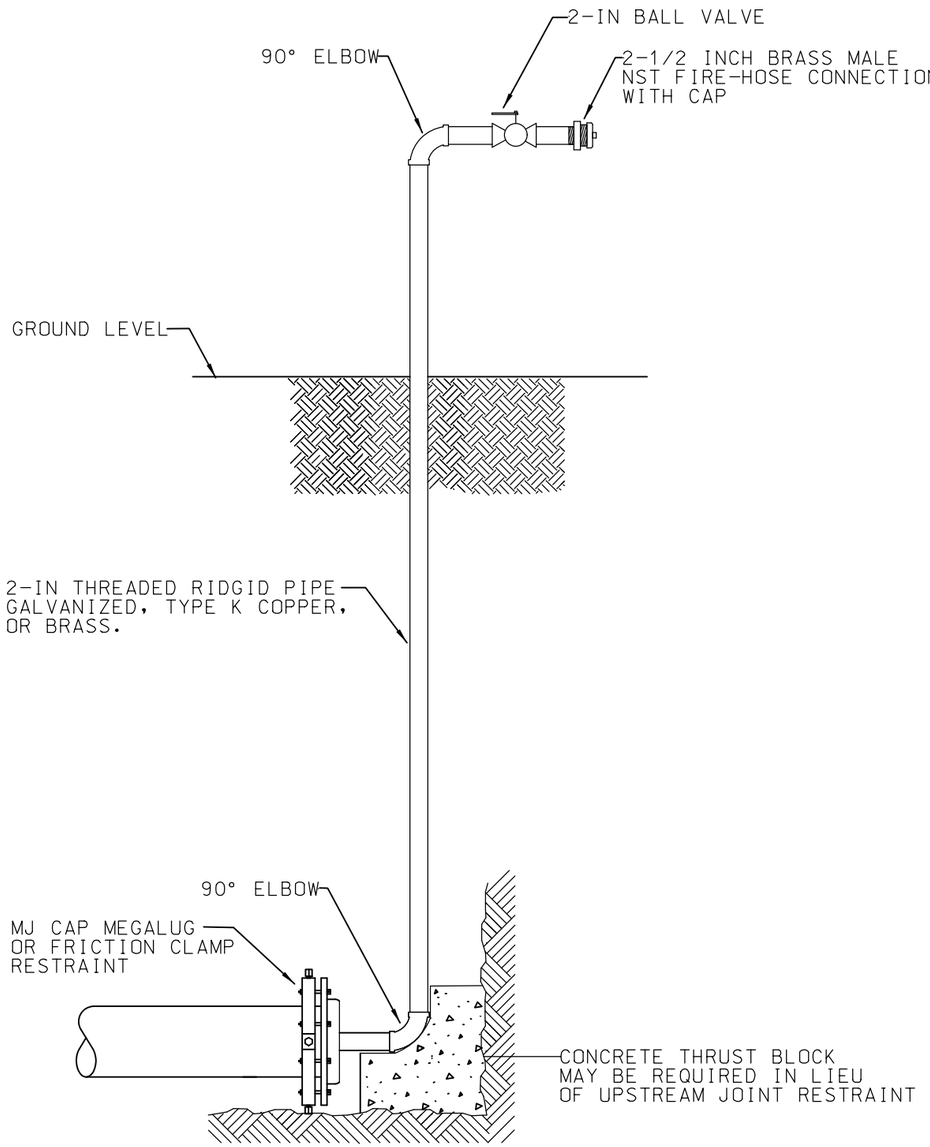
(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10 OF CITY STANDARD SPECIFICATIONS.

CITY OF MADISON
WATER UTILITY

TYPICAL HYDRANT INSTALLATION

STANDARD DETAIL DRAWING NO. 7.04

PROJECT NO: 5992-09-15	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 48	E



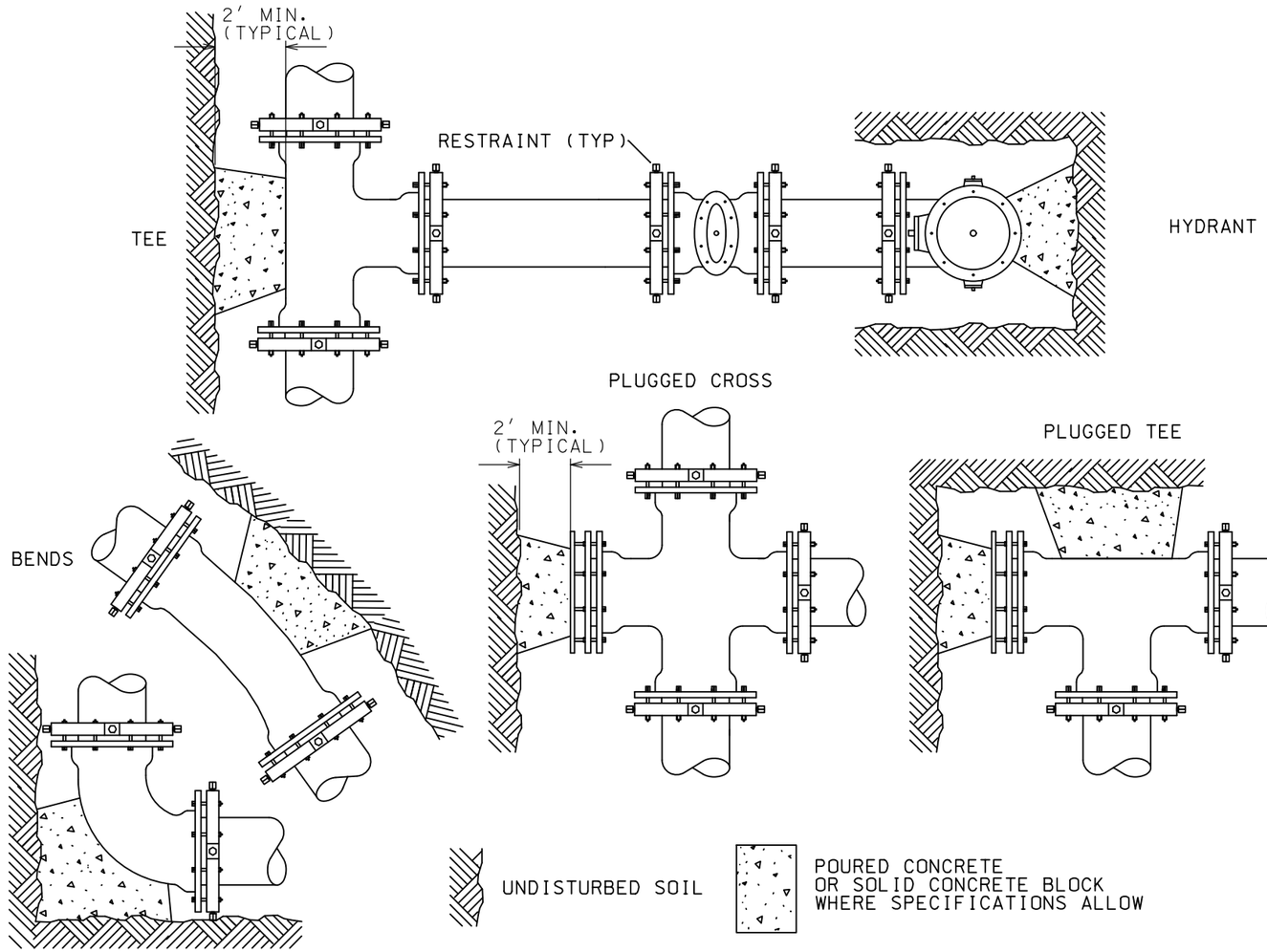
CITY OF MADISON
WATER UTILITY

2-IN TEMPORARY FLUSHING/ BLOW OFF FOR 8-IN PIPE AND SMALLER

STANDARD DETAIL DRAWING NO. 7.07

PROJECT NO: 5992-09-15	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 49	E

REQUIRED BEARING AREA
PER STANDARD SPECIFICATION
SECTION 703.10 OF CITY STANDARD
SPECIFICATIONS



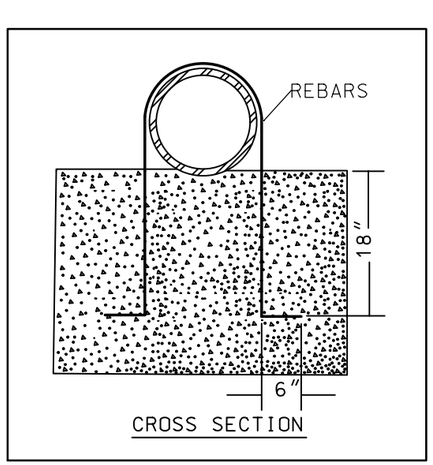
CITY OF MADISON
WATER UTILITY

STANDARD CONCRETE BLOCK THRUST RESTRAINT

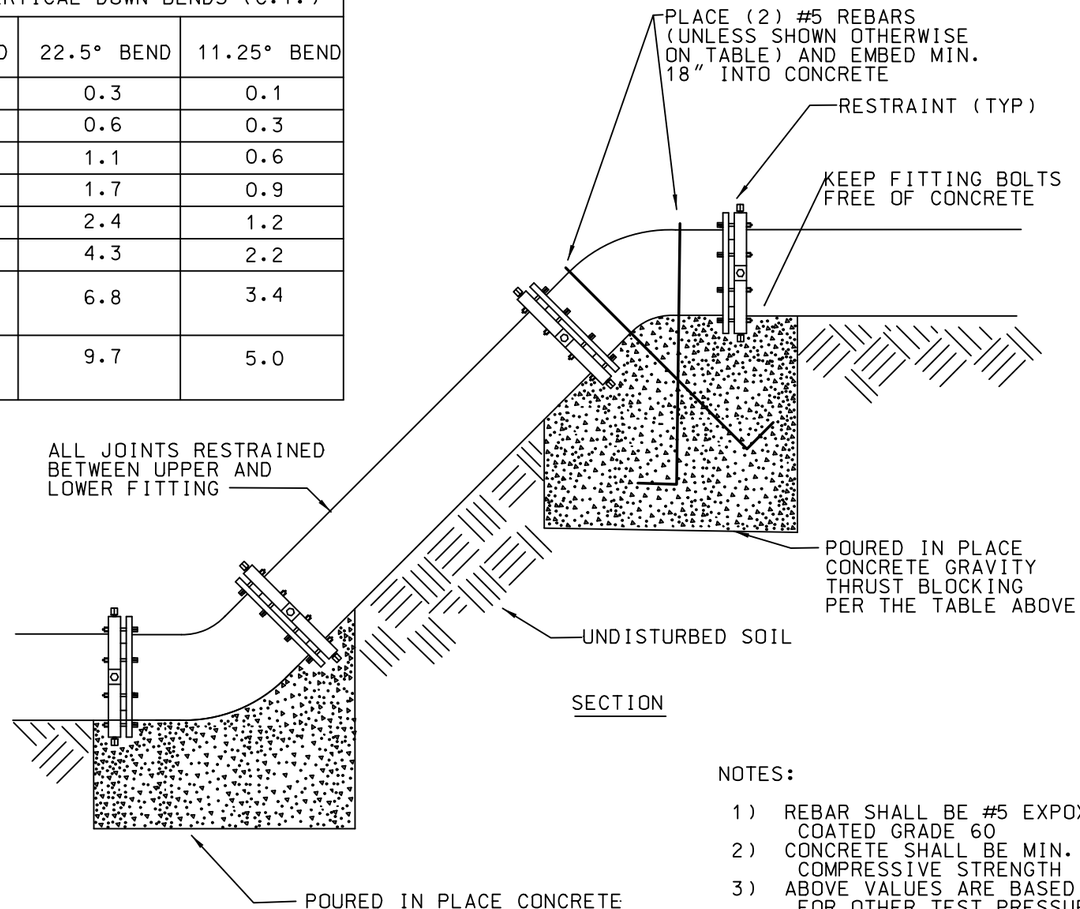
STANDARD DETAIL DRAWING NO. 7.13

PROJECT NO: 5992-09-15	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 50	E

VOLUME REQUIREMENT FOR VERTICAL DOWN BENDS (C.Y.)				
FITTING SIZE (IN)	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4	0.7	0.5	0.3	0.1
6	1.6	1.1	0.6	0.3
8	2.8	2.0	1.1	0.6
10	4.4	3.1	1.7	0.9
12	6.4	4.5	2.4	1.2
16	11.3	8.0	4.3	2.2
20	17.7 3 BARS	12.5 3 BARS	6.8	3.4
24	25.4 6 BARS	18.0 4 BARS	9.7	5.0



CROSS SECTION



SECTION

NOTES:

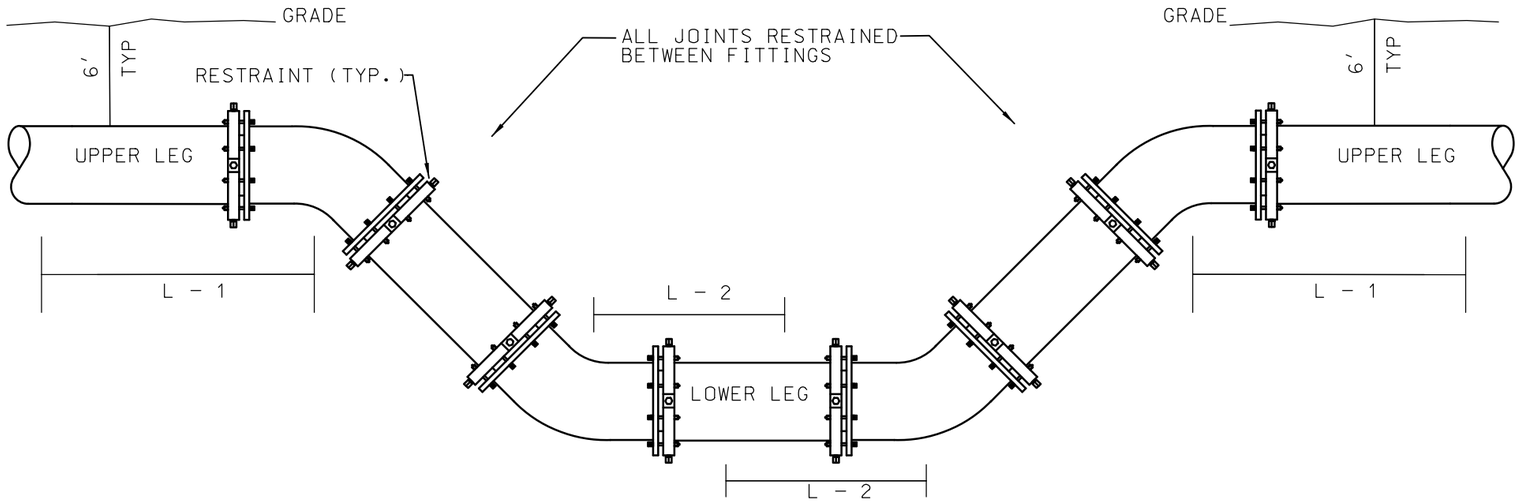
1) REBAR SHALL BE #5 EXPOXY COATED GRADE 60
2) CONCRETE SHALL BE MIN. 3,000 PSI COMPRESSIVE STRENGTH
3) ABOVE VALUES ARE BASED ON 150 PSI TEST PRESSURE FOR OTHER TEST PRESSURES PROPORTION AS FOLLOWS: BLOCK VOLUME=TEST PRESSURE/150 X TABLE VALUE

CITY OF MADISON
WATER UTILITY

GRAVITY BLOCK THRUST RESTRAINT FOR VERTICAL BENDS

STANDARD DETAIL DRAWING NO. 7.14

PROJECT NO: 5992-09-15	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 51	E



L - 1: RESTRAINED JOINT LENGTH
UPPER LEG OF VERTICAL BEND

L - 2: RESTRAINED JOINT LENGTH
LOWER LEG OF VERTICAL BEND

	90° BEND		45° BEND		22.5° BEND		11.25° BEND	
FITTING SIZE (IN)	L - 1 (FT)	L - 2 (FT)	L - 1 (FT)	L - 2 (FT)	L - 1 (FT)	L - 2 (FT)	L - 1 (FT)	L - 2 (FT)
4	34	30	16	3	8	2	4	1
6	47	43	21	4	11	2	6	1
8	60	56	27	5	13	3	7	2
10	72	68	31	6	16	3	8	2
12	84	80	37	7	18	4	9	2
16	108	104	46	10	23	5	12	3
20	132	128	56	12	28	6	14	3
24	154	150	66	13	32	7	16	4

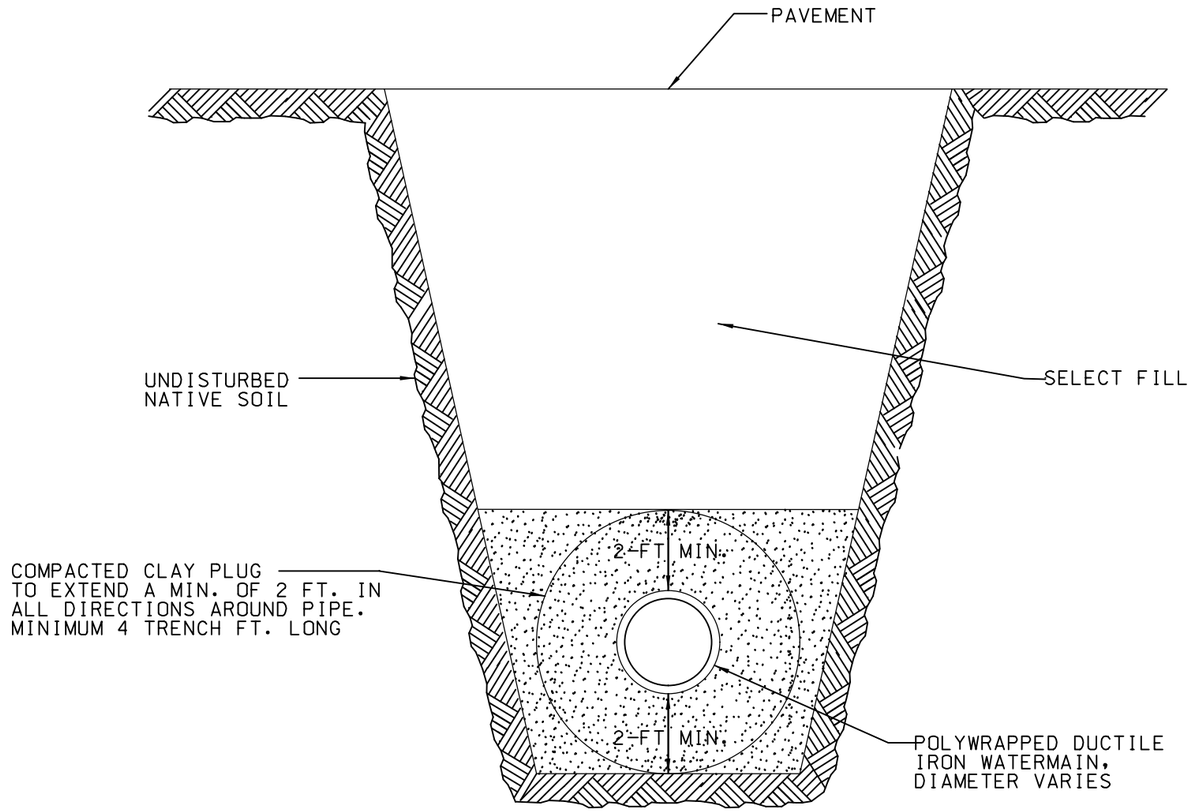
NOTES:
SOURCE: Adapted from the EBAA Iron Restraint Length Calculator, Version 6.3
Materials = Poly Wrapped Ductile Iron Pipe
Soil Type = GM (Silty Gravels, Gravel-Sand-Silt Mixtures)
Test Pressure = 150 PSI

CITY OF MADISON
WATER UTILITY

JOINT RESTRAINT LENGTHS FOR VERTICAL BENDS

STANDARD DETAIL DRAWING NO. 7.16

PROJECT NO: 5992-09-15	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 52	E



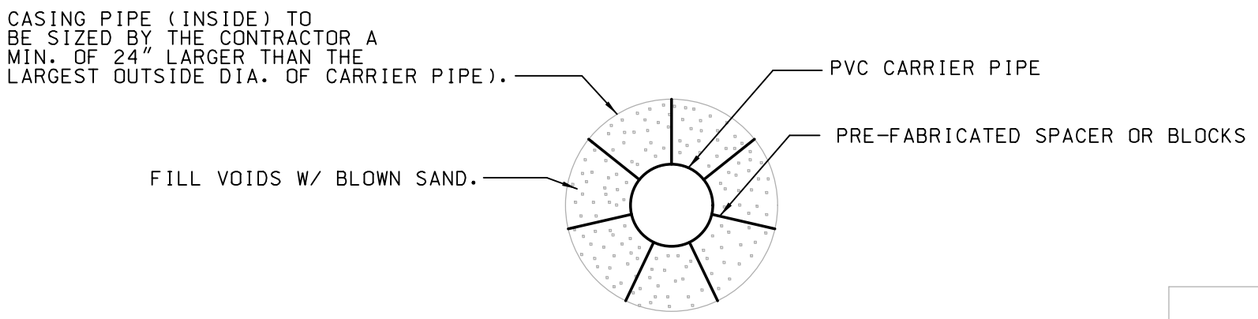
CITY OF MADISON
WATER UTILITY

CLAY TRENCH PLUG

DETAIL DRAWING NO. 7.23

PROJECT NO: 5992-09-15	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021053_cd_clay trench plug.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTE:

WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH. FOR MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL 1/16".

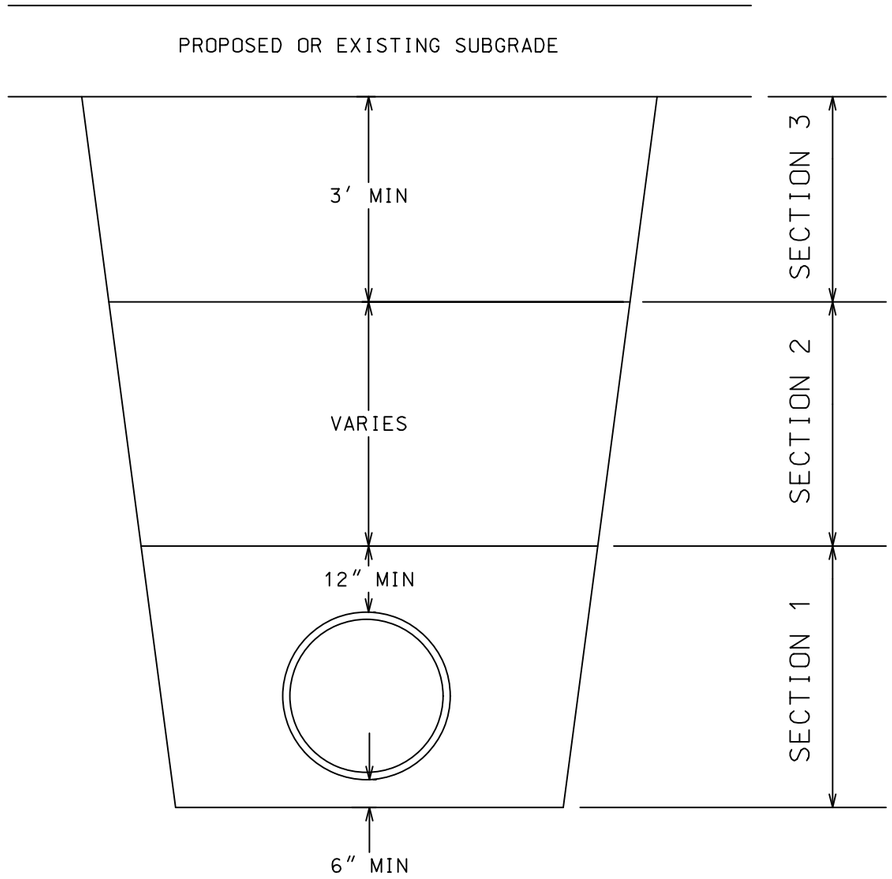
STEEL CASING PIPE FOR E80 LOADING	
MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.2500	UNDER 12
0.3125	12 - 18
0.3750	18 - 22
0.4375	22 - 25
0.500	25 - 34
0.5625	34 - 42
0.6250	42 - 48

CASING PIPE DETAIL

NTS

CITY OF MADISON
ENGINEERING DIVISION

CASING PIPE DETAIL



TYPICAL TRENCH COMPACTION

ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.

IN COLD WEATHER, TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN SECTION 502.1 (e) OF THE CITY OF MADISON STANDARD SPECIFICATIONS, BACKFILLING EXCAVATIONS AND COMPACTION OF BACKFILL, OF THESE SPECIFICATIONS.

SECTION 1:

MECHANICALLY COMPACTED BEDDING AS REQUIRED BY THE SPECIFICATIONS. COMPACTION ACHIEVED WITH SMALLER PLATE COMPACTOR.
FOR ALL PLASTIC PIPE SECTION 1 SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF MADISON STANDARAD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION - LATEST EDITION S.D.D. 5.2.1A

SECTION 2:

MINIMUM COMPACTION OF 90% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO FEET ABOVE THE TOP OF PIPE.

SECTION 3:

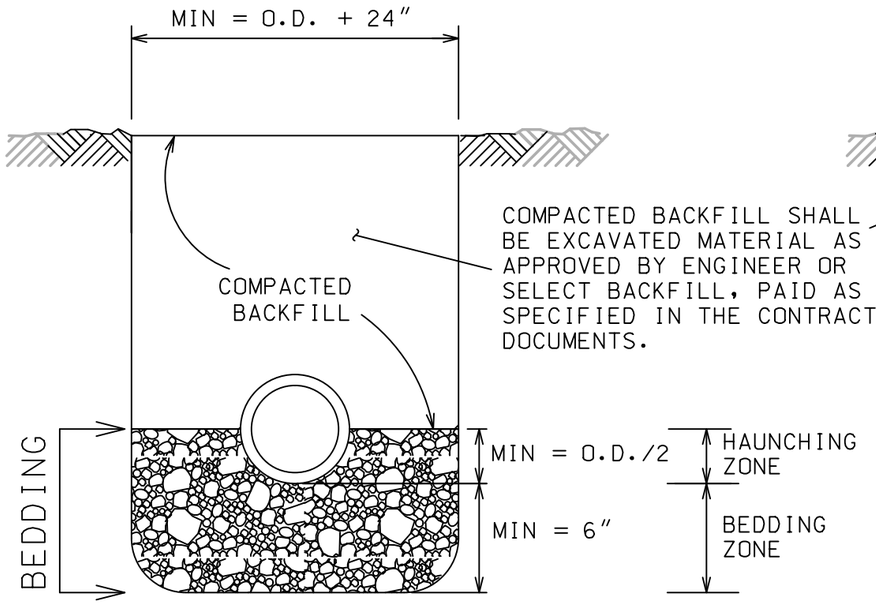
MINIMUM COMPACTION OF 95% MAXIMUM DENSITY.

CITY OF MADISON
ENGINEERING DIVISION

TYPICAL TRENCH COMPACTION

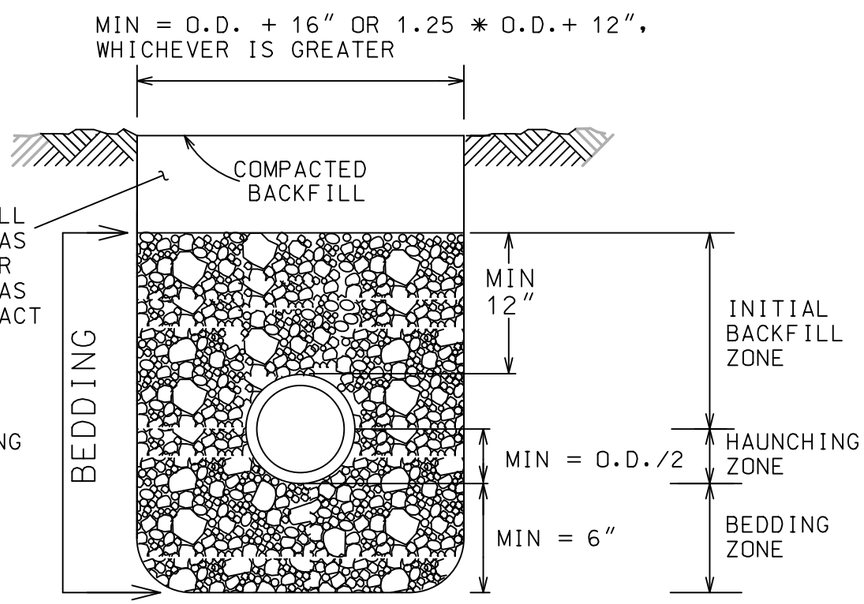
STANDARD DETAIL DRAWING 5.2.2

PROJECT NO: 5992-09-15/16	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 55	E



WASHED GRAVEL OR CRUSHED STONE AS SPECIFIED IN SECTION 502.1 (d), BEDDING OF SEWER PIPES

BEDDING FOR REINFORCED CONCRETE SEWER PIPES



WASHED GRAVEL, CRUSHED STONE, SAND OR LIMESTONE SCREENINGS FOR PIPE SIZES 10″ IN DIAMETER OR LESS. WASHED GRAVEL OR CRUSHED STONE FOR PIPE SIZES OVER 10″ IN DIAMETER. AS SPECIFIED IN SECTION 502.1 (d), BEDDING OF SEWER PIPES

BEDDING FOR SANITARY PIPE

NOTES:

UNLESS OTHERWISE SPECIFIED, ALL SANITARY PIPES, INCLUDING LATERALS AND LEADS, SHALL BE INSTALLED WITH THE TYPE OF BEDDING SHOWN FOR THE TYPE AND SIZE OF PIPE INSTALLED.

THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE.
FOR RCP, BEDDING INCLUDES THE HAUNCHING & BEDDING ZONES.
FOR PLASTIC PIPES, THE BEDDING INCLUDES THE HAUNCHING, BEDDING & INITIAL BACKFILL ZONES.
THE BEDDING SHALL BE INSTALLED & COMPACTED IN 6″ MAXIMUM LIFTS.

ALL TRENCHES SHALL BE HAND BACKFILLED TO A POINT 12″ ABOVE THE TOP OF THE PIPE. ALL BEDDING SHALL BE MECHANICALLY COMPACTED.

PAYMENT SHALL NOT BE MADE FOR BACKFILL WITH EXCAVATED MATERIAL, IF APPROVED.
SELECT FILL, IF REQUIRED, SHALL BE PAID PER CONTRACT.

THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE 3 ✱ O.D., THE MINIMUM TRENCH WIDTH AS SPECIFIED, AND SHALL APPLY FROM THE BOTTOM OF THE TRENCH TO A POINT 12″ ABOVE THE TOP OF THE PIPE. WHERE THIS WIDTH IS EXCEEDED, THE CONTRACTOR SHALL FURNISH AND INSTALL A HIGHER TYPE OF BEDDING AT NO EXTRA COST. THE TYPE OF BEDDING SHALL BE DETERMINED BY THE ENGINEER.

O.D. EQUALS THE OUTSIDE DIAMETER OF THE PIPE.

CITY OF MADISON
ENGINEERING DIVISION

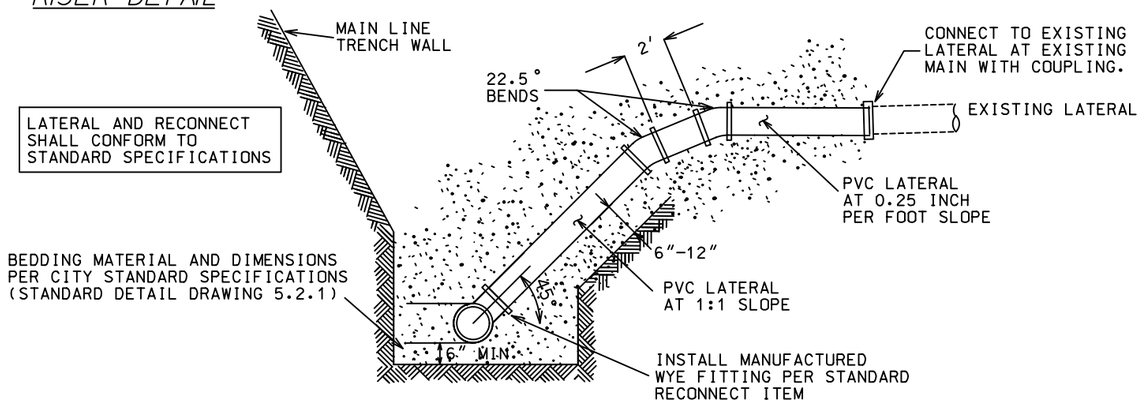
PIPE BEDDING AND BACKFILL

DRAWING NOT TO SCALE

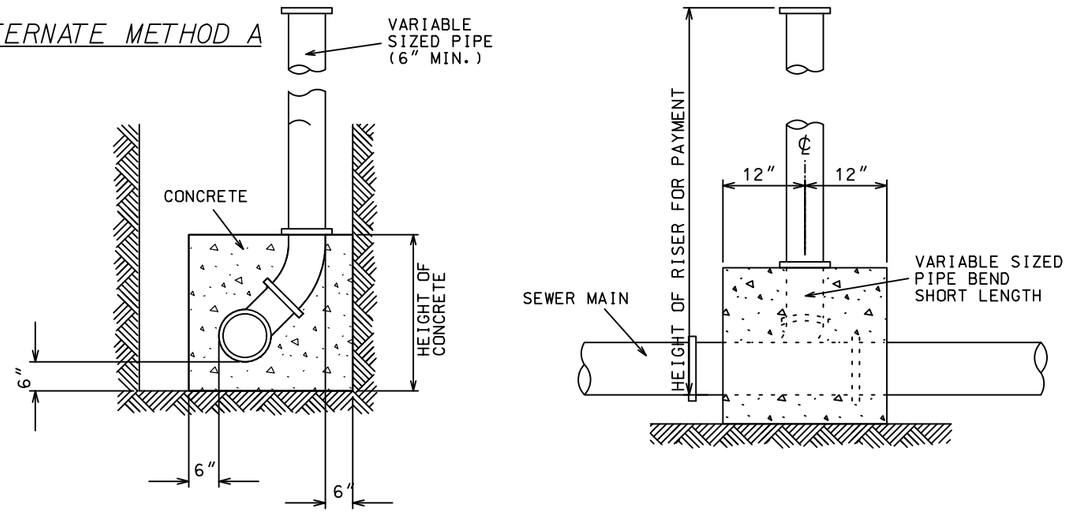
STANDARD DETAIL DRAWING 5.2.1

PROJECT NO:5992-09-16	HWY:E JOHNSON STREET	COUNTY:DANE	CONSTRUCTION DETAIL	SHEET 56	E

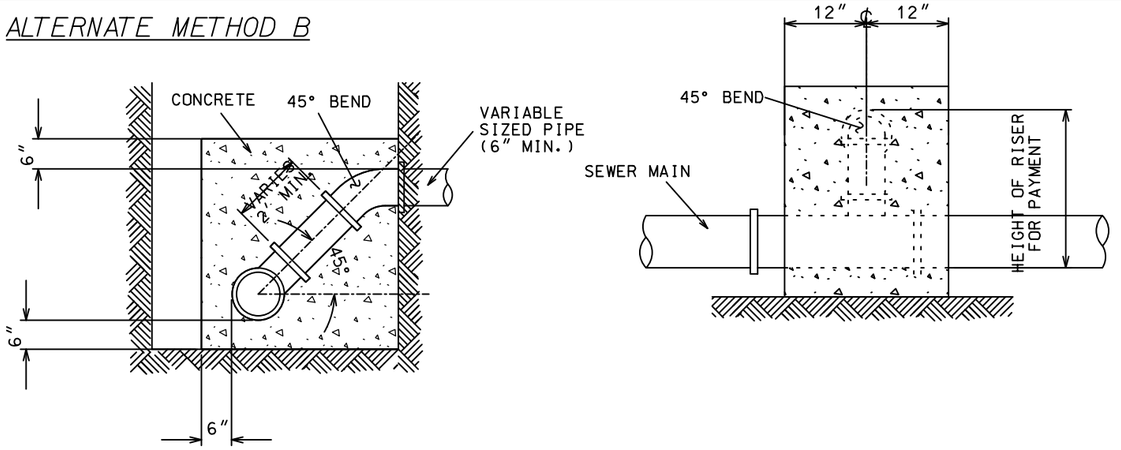
RISER DETAIL



ALTERNATE METHOD A



ALTERNATE METHOD B



CITY OF MADISON
ENGINEERING DIVISION

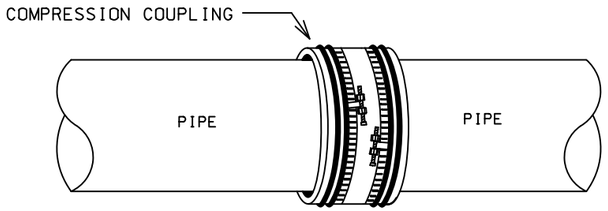
RISER DETAIL

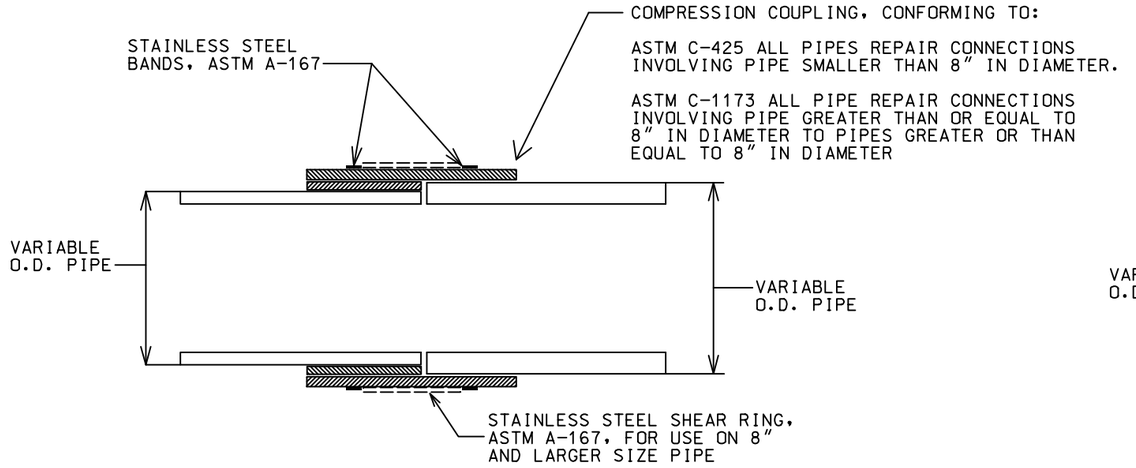
STANDARD DETAIL DRAWING 5.3.1

PROJECT NO: 5992-09-16	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 57	E

COMPRESSION COUPLING

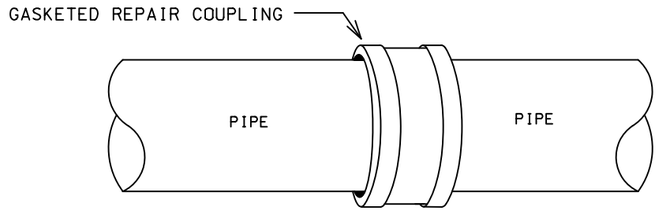
PIPES WITH DIFFERENT MATERIAL TYPES
PIPES WITH DIFFERENT OUTSIDE DIAMETERS

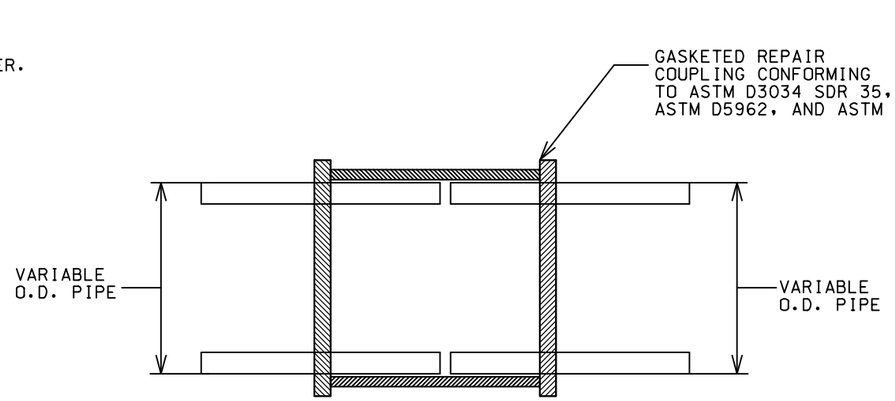




GASKETED REPAIR COUPLING

PVC TO PVC CONNECTION





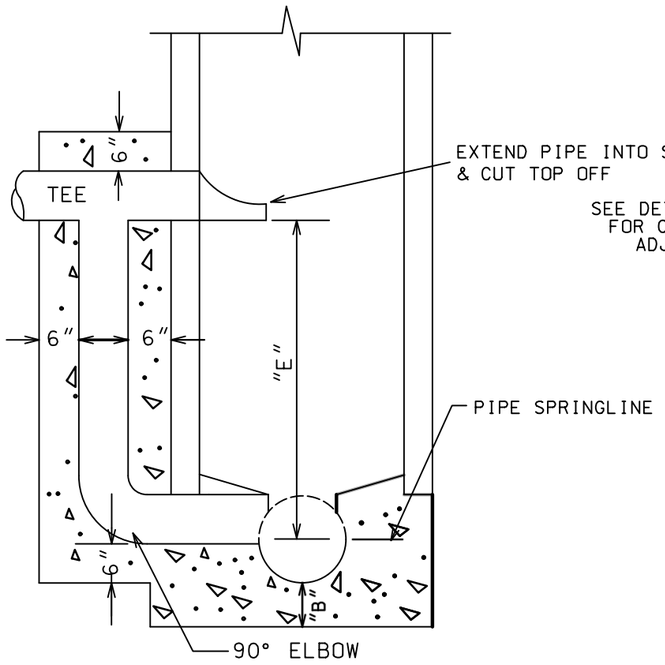
ALL REPAIRS INVOLVING PIPE CONNECTIONS 8" IN DIAMETER TO 8" IN DIAMETER OR LARGER SHALL UTILIZE THE FERNCO RC STRONGBACK OR EQUIVALENT REPAIR COUPLING. (ASTM C1173).

CITY OF MADISON
ENGINEERING DIVISION

COUPLING DETAILS

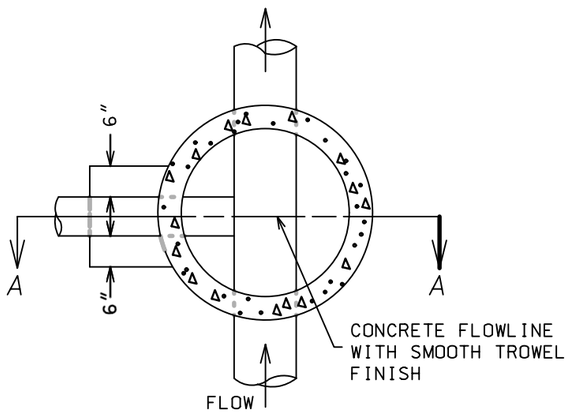
STANDARD DETAIL DRAWING 5.3.3

PROJECT NO: 5992-09-16	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 58	E

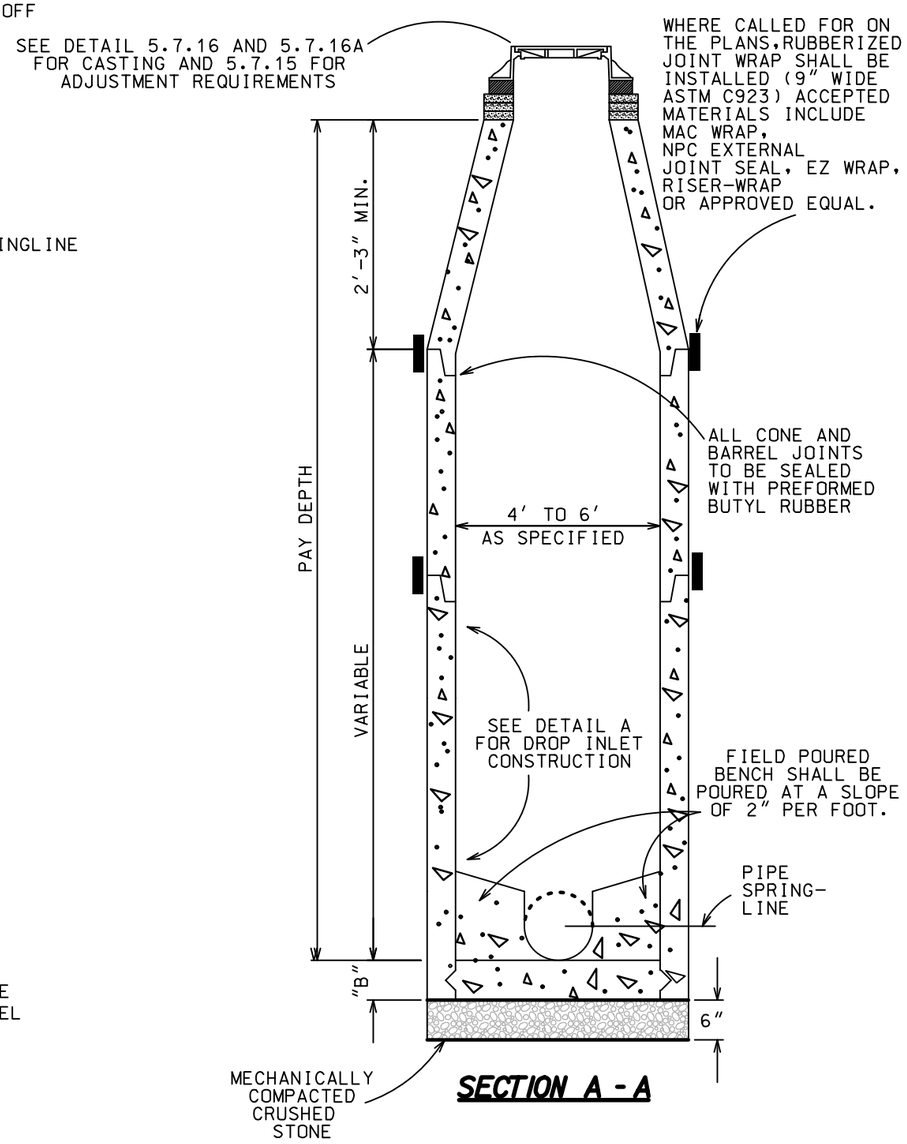


DETAIL A

SHOWING DROP INLET CONSTRUCTION FOR SANITARY SEWER MAINS & LATERALS



TOP VIEW



SECTION A - A

NOTES:

1) PRECAST S.A.S. SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.

2) THICKNESS OF BASE, "B":
   6" MIN. FOR 4' DIAMETER SAS
   8" MIN. FOR 5' AND 6' DIAMETER SAS

3) FOR CASTING DESIGNATION REFER TO STANDARD DETAIL DRAWING 5.7.16 AND 5.7.16A

4) CENTERED (CONCENTRIC) CONE SHALL BE INSTALLED UNLESS OTHERWISE DIRECTED.

5) DROP INLET SHALL BE BUILT FOR ALL SEWER MAINS AND LATERALS WHEN "E" IS GREATER THAN 24". "E" SHOULD BE MEASURED FROM INVERT OF INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER. INSIDE DROP PER STANDARD DETAIL DRAWING 5.7.30 MAY BE INSTALLED FOR 4" AND 6" SERVICE CONNECTIONS WHERE OUTSIDE DROP INLET CONSTRUCTION IS INFEASIBLE. ENGINEER SHALL APPROVE INSIDE DROP INLET PRIOR TO INSTALLATION.

6) FLEXIBLE PIPE TO SAS CONNECTOR REQUIRED PER STANDARD DETAIL DRAWING 5.7.31

7) ALL BENCHES TO BE FIELD POURED CONCRETE WITH SMOOTH TROWEL FINISH. PRECAST BENCHES ONLY PERMITTED WITH PRIOR APPROVAL OF ENGINEER IN WRITING.

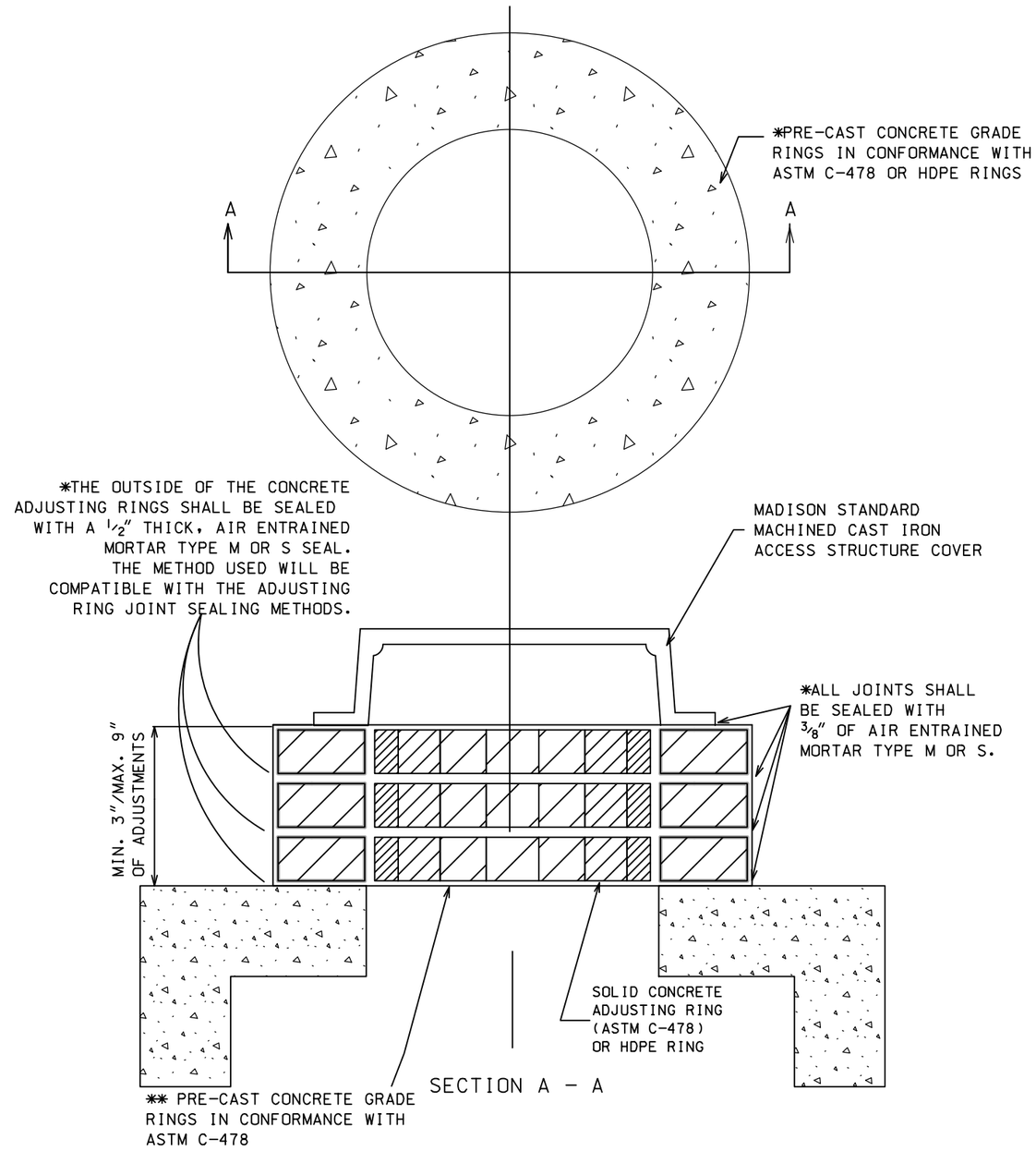
8) ALL JOINTS BETWEEN RINGS SHALL BE SEALED WITH $\frac{3}{8}$" OF AIR-ENTRAINED TYPE M OR S MORTAR. THE OUTSIDE SURFACE OF THE ADJUSTING RINGS SHALL BE SEALED WITH A $\frac{1}{2}$" THICK AIR-ENTRAINED MORTAR TYPE M OR S SEAL. THE METHOD USED FOR SEALING THE OUTSIDE SURFACE SHALL BE COMPATIBLE WITH THAT USED TO SEAL JOINTS BETWEEN THE RINGS.

9) PRECAST SANITARY SEWER ACCESS STRUCTURES FOR STREET RECONSTRUCTION PROJECTS AND FOR STREET EXCAVATION PERMITS REQUIRE PRECAST SHOP DRAWING APPROVAL FROM CITY ENGINEERING. PRIOR TO BEING FABRICATED BY THE MANUFACTURER NO PRECAST SHOP DRAWINGS ARE REQUIRED FOR NEW CONSTRUCTION IN SUBDIVISION DEVELOPMENTS.

CITY OF MADISON
ENGINEERING DIVISION

SANITARY SEWER PRECAST SAS

STANDARD DETAIL DRAWING 5.7.2



SECTION A – A

** NOTE: HDPE ADJUSTMENT RINGS (LADTECH OR APPROVED EQUAL) MEETING AASHTO HS25 SPECS, ASTM D-1248 INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WILL BE CONSIDERED AN ACCEPTABLE ALTERNATE TO PRECAST RINGS.
IF PRO-RINGS ARE INSTALLED FOR THE WHOLE ADJUSTMENT, CONTRACTOR WILL BE PAID FOR AN INTERNAL CHIMNEY SEAL.
PRO-RING ADJUSTMENT IS CONSIDERED TO BE EQUIVALENT OF AN INTERNAL CHIMNEY SEAL. PRO-RING SHALL HAVE M-1 ADHESIVE BETWEEN RINGS. CRETEX PRO RING WILL BE CONSIDERED AN ACCEPTED ALTERNATE FOR PRECAST RINGS.
RING JOINT SEALANT SHALL BE ASTM C990 AND AASHTO M-198

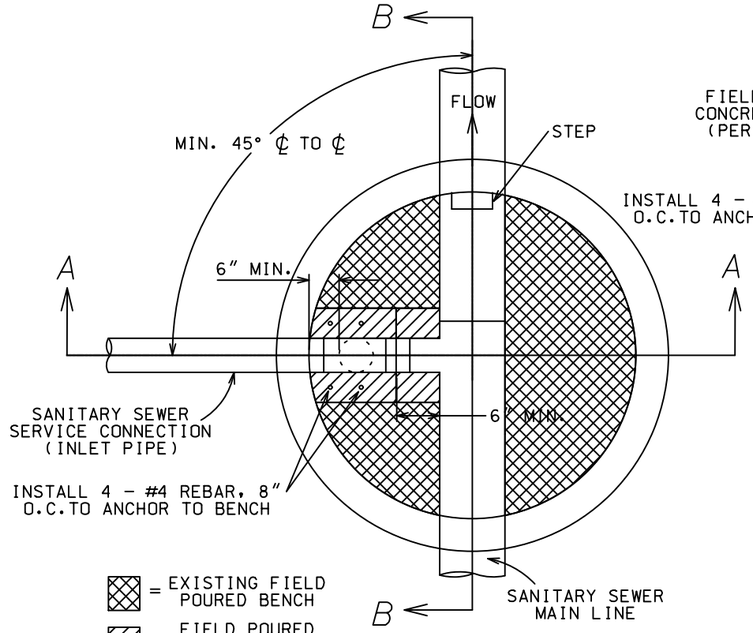
CITY OF MADISON
ENGINEERING DIVISION

SAS CHIMNEY AND CASTING

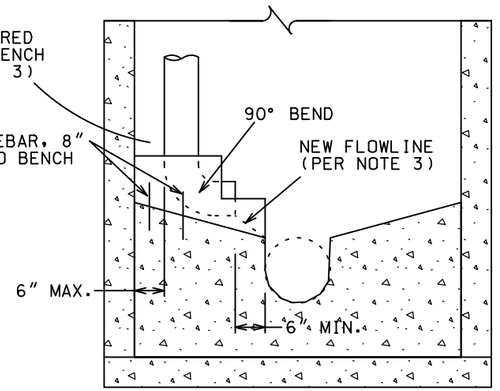
STANDARD DETAIL DRAWING 5.7.15

PROJECT NO: 5992-09-16	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021060_cd_San.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TOP VIEW



SIDE VIEW

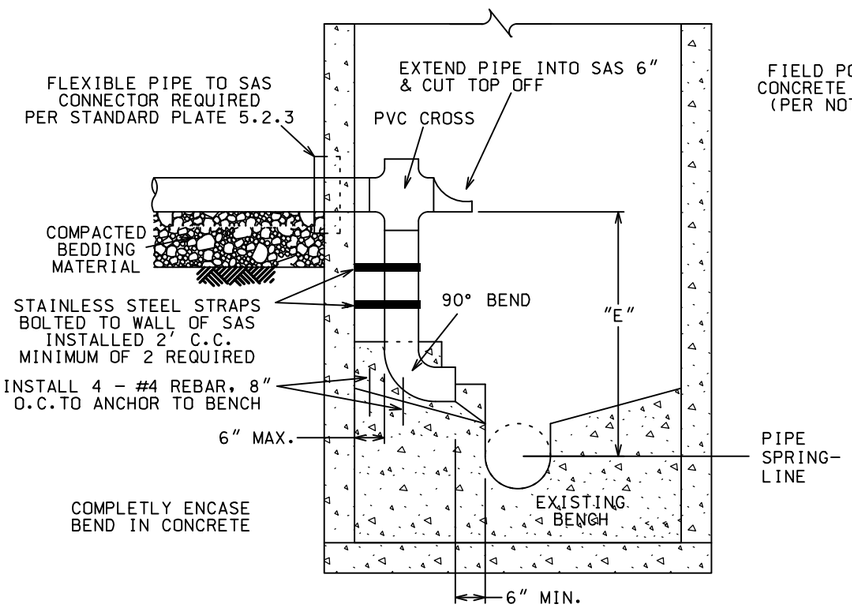
FIELD POURED
CONCRETE BENCH

NOTES:

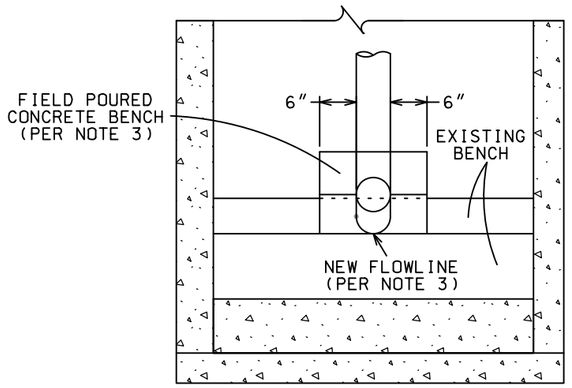
1) INSIDE DROP INLETS SHALL BE USED ONLY WHERE SITE CONDITIONS MAKE AN OUTSIDE DROP CONNECTION INFEASIBLE TO CONSTRUCT. THIS DETERMINATION SHALL BE MADE BY THE ENGINEER IN THE FIELD. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR INSTALLATION OF THE INSIDE DROP INLET FROM THE ENGINEER PRIOR TO CONSTRUCTION.

2) DROP INLET SHALL BE BUILT WHEN "E" IS GREATER THEN 24". "E" SHALL BE MEASURED FROM THE INVERT OF THE INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER.

3) ENCASE INLET PIPE IN CONCRETE FROM THE EXISTING BENCH TO FIRST JOINT ABOVE THE 90° BEND. FORM NEW SMOOTH FLOWLINE FROM PIPE END TO MAIN CHANNEL. ROUGH BRUSH FINISH ALL OTHER SURFACES OF THE NEW CONCRETE ENCASEMENT.



SECTION A-A



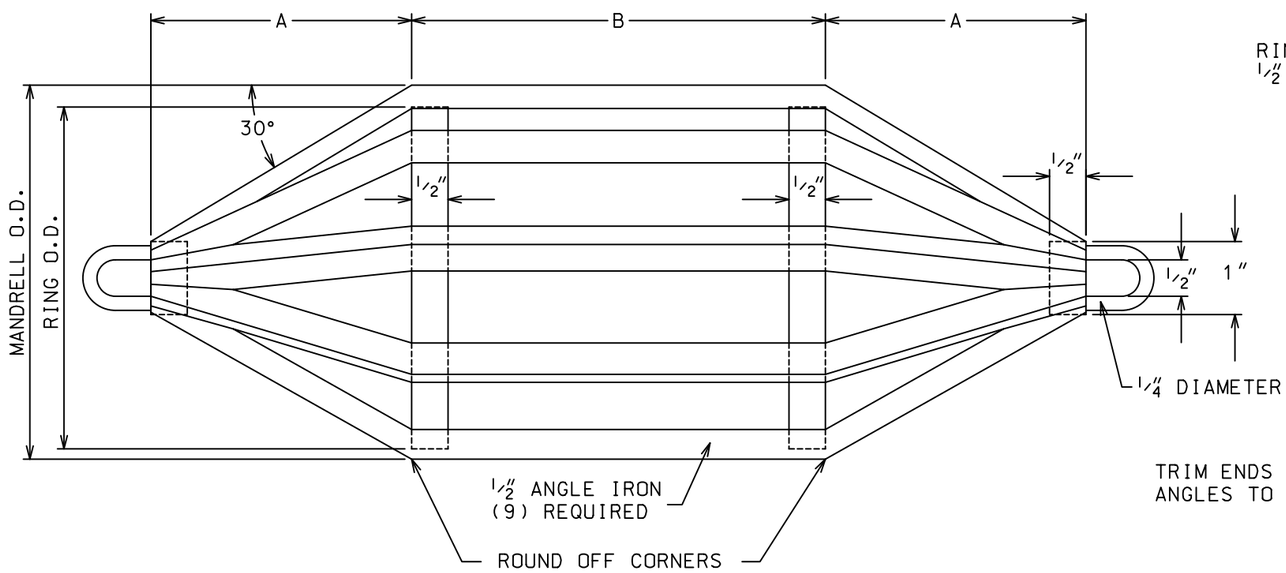
SECTION B-B

CITY OF MADISON
ENGINEERING DIVISION

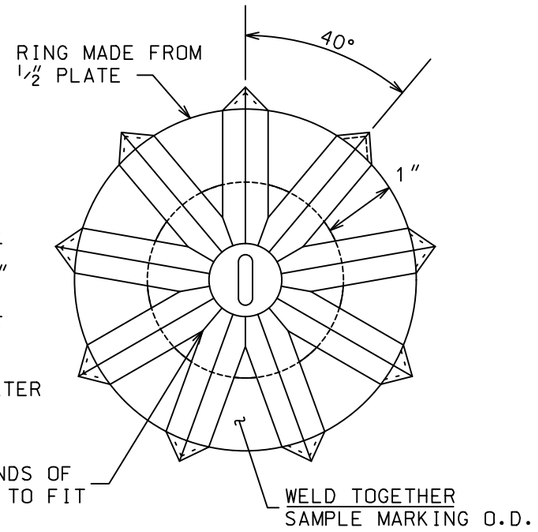
INSIDE DROP FOR SANITARY MAIN AND LATERAL

STANDARD DETAIL DRAWING 5.7.30

PROJECT NO: 5992-09-16	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 61	E



SIDE VIEW



END VIEW

NOMINAL PIPE SIZE ID, in	DIMENSIONS		MANDRELL O.D., in	RING O.D., in
	A, in	B, in		
6	4.0	4	5.61	4.90
8	5.3	6	7.36	6.65
10	6.7	6	9.21	8.50
12	8.0	8	11.06	10.35
15	10.0	9	13.82	13.11

MANDREL FOR USE IN ALL P.V.C. SEWER PIPE

NOTE:

AFTER CONSTRUCTION IS COMPLETE, TRUE THE O.D. DIMENSION FOR THE FULL LENGTH OF "B" TO +/-0.010" BY TOOL AND LATHE OR GRINDING.

CITY OF MADISON
ENGINEERING DIVISION

MANDREL DETAIL

STANDARD DETAIL DRAWING 5.1.1

PROJECT NO: 5992-09-16	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 62	E

2

STH 113 / EAST JOHNSON STREET

EAST DAYTON STREET

STH 113 / NORTH 1ST STREET

N

EX-CCTV-13-0022
(1) SALVAGE CAMERA ASSEMBLY
(1) REMOVE CAMERA POLE
(1) REMOVE POLE-MOUNTED CABINET
(1) REMOVE CONCRETE BASE

REMOVE EXISTING CCTV-13-0022
POWER WIRES AND WISDOT
72-COUNT FIBER OPTIC CABLE

EXV02

REMOVE EXISTING CCTV-13-0022
POWER WIRES AND WISDOT
72-COUNT FIBER OPTIC CABLE

REMOVE EXISTING WISDOT
72-COUNT FIBER OPTIC CABLE

EXV04

DISCONNECT CCTV-13-0022 POWER
WIRES FROM TRAFFIC SIGNAL
POWER SOURCE

EXV01
(1) REMOVE EXISTING
COMMUNICATIONS VAULT

EXV03

REMOVE EXISTING CCTV-13-0022
POWER WIRES

REMOVE EXISTING CCTV-13-0022
POWER WIRES AND WISDOT
72-COUNT FIBER OPTIC CABLE

MATCHLINE 15+00.00

PROJECT NO:5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	FTMS REMOVALS	SHEET 63 E

2

EAST MIFFLIN STREET

STH 113 / NORTH 1ST STREET

STH 151 / EAST WASHINGTON AVE.

74ML

72ML

EXV05

REMOVE EXISTING WISDOT
72-COUNT FIBER OPTIC CABLE

EXMH01
REMOVE WISDOT 72-COUNT
FIBER OPTIC CABLE UP
TO THIS MANHOLE
(FIBER OPTIC SPLICING
TO BE DONE BY OTHERS)

MATCHLINE 151+00

15+00 FI

+50 FI

16+00 FI

+50 FI

17+00 FI

+50 FI

18+00 FI

+50 FI

19+00 FI

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	FTMS REMOVALS	SHEET	E

FILE NAME : \\mlww400\ingrproj\68581\base\dane_co\59920914_ftms.dgn PLOT DATE : 9/10/2018 PLOT BY : pkutz PLOT NAME : PLOT SCALE : 40:1

2

N. BALDWIN ST.

ELLEN JO HANSEN
305 N. BALDWIN STREET

JOY GANDER-ROZZELL
310 MARSTON AVENUE

ALMA HOWLAND
306 MARSTON AVENUE

MARSTON AVE.

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

BEGIN CONSTRUCTION
STA. 74+97.07

BEGIN PROJECT
STA. 77+43.47

E. JOHNSON STREET

MATCHLINE STA. 80+00

SEE ALIGNMENT DETAIL FOR INFORMATION ON EASTBOUND PGL

CONCRETE MEDIAN SLOPED NOSE TYPE 1

WRAP DRAINAGE AROUND SLOPED NOSE

CONCRETE CURB & GUTTER 30-INCH TYPE DX SPECIAL

REMOVING ASPHALTIC SURFACE;
PREPARE FOUNDATION FOR ASPHALTIC PAVING;
2½-INCHES HMA PAVEMENT 4 MT 58-28 H (UPPER LAYER);
3¼-INCHES HMA PAVEMENT 3 MT 58-28 S (LOWER LAYER);
8-INCHES BASE AGGREGATE DENSE 1¼-INCH (WITHIN TRENCH LIMITS OF UTILITY CONSTRUCTION);
8-INCHES BASE AGGREGATE DENSE 3-INCH (WITHIN TRENCH LIMITS OF UTILITY CONSTRUCTION)

STEPHEN W LEDERER
223 N. BALDWIN STREET

ROBERT T PEDLEY
1305 E. JOHNSON STREET

TOMOTHY W NEWPORT
KATHLEEN M NEWPORT
1317 E. JOHNSON STREET

GUNNAR A BERGE
1319 E. JOHNSON STREET

MARCEL COLBERT
FRANCES COLBERT
1321 E. JOHNSON STREET

JOSEPH SENULIS
ANITA WALKER
1325 E. JOHNSON STREET

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

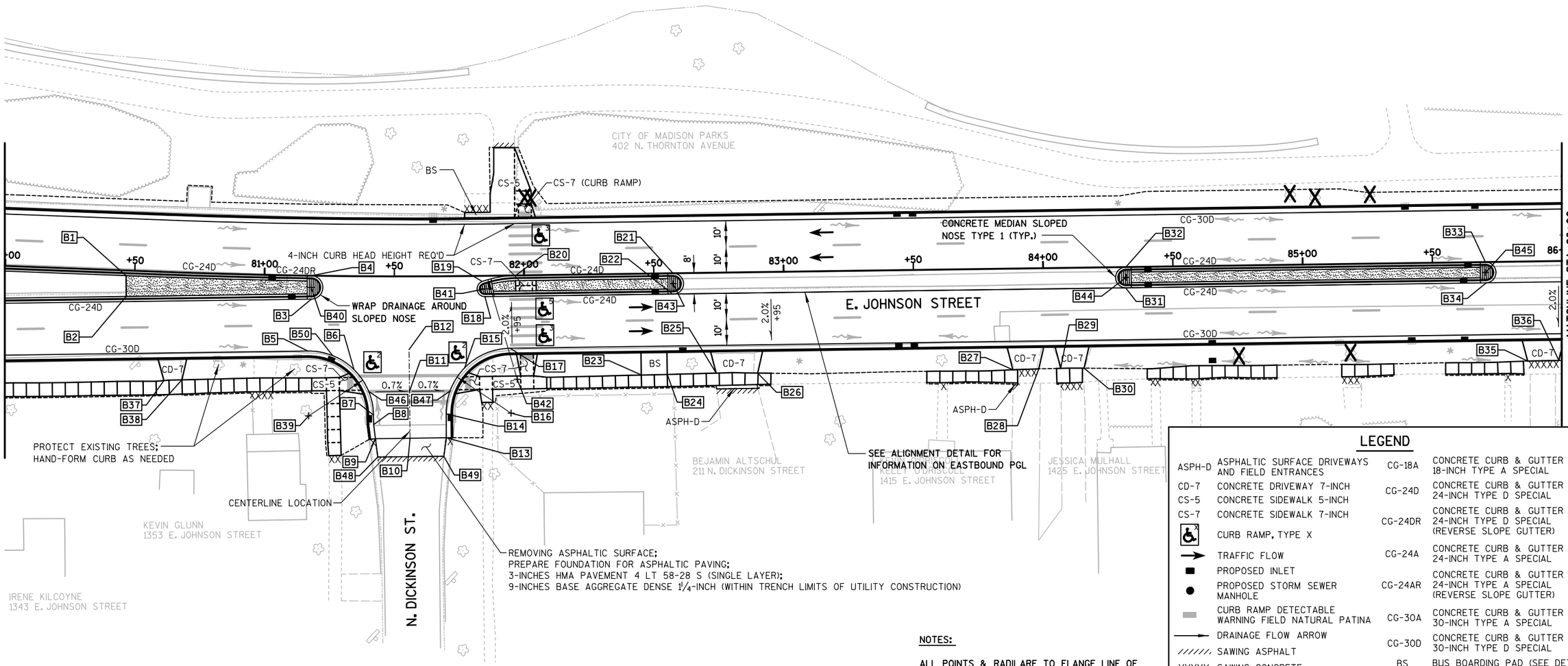
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	CURB RAMP, TYPE X	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED INLET	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED STORM SEWER MANHOLE	BS	BUS BOARDING PAD (SEE DETAILS)
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	DRAINAGE FLOW ARROW		SLOPE INTERCEPTS
	SAWING ASPHALT		
XXXXX	SAWING CONCRETE		
	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET 65	E

POINT NO.	EAST JOHNSON STREET		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
A1	75+49.13	22.28'LT	---	488,309.53	825,197.76	MATCH EXIST.; EOP
A2	75+47.90	0.15'RT	---	488,291.80	825,211.55	MATCH EXIST.; EOP
A3	75+25.58	0.00'RT	---	488,277.27	825,194.62	MATCH EXIST.; EOP
A4	74+97.07	0.05'LT	---	488,258.60	825,173.07	MATCH EXIST.; EOP
A5	74+99.86	67.07'RT	---	488,209.79	825,219.21	MATCH EXIST.; EOP
A6	75+21.67	66.16'RT	---	488,224.78	825,235.07	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER; BEGIN RADIUS
A7	75+37.64	58.13'RT	855.50	488,241.32	825,241.86	EOP; END RADIUS
A8	75+27.46	45.10'RT	---	488,244.46	825,225.63	MATCH EXIST.; EOP
A9	75+26.90	31.68'RT	---	488,254.23	825,216.40	MATCH EXIST.; EOP
A10	75+26.53	22.75'RT	---	488,260.72	825,210.26	MATCH EXIST.; EOP
A11	76+02.16	29.09'RT	---	488,305.57	825,271.49	MATCH EXIST.; EOP
A12	76+02.67	42.41'RT	---	488,295.85	825,280.62	MATCH EXIST.; EOP
A13	75+71.22	67.25'RT	---	488,256.47	825,273.19	MATCH EXIST.; FOW; BEGIN BUS PAD
A14	75+85.35	66.71'RT	---	488,266.15	825,283.50	MATCH EXIST.; FOW; END BUS PAD
A15	76+07.19	65.45'RT	---	488,281.43	825,299.15	MATCH EXIST.; FOW
A16	76+15.63	64.99'RT	---	488,287.31	825,305.21	MATCH EXIST.; FOW
A17	76+63.43	62.66'RT	---	488,320.44	825,339.76	MATCH EXIST.; FOW
A18	76+72.96	62.31'RT	---	488,326.96	825,346.72	MATCH EXIST.; FOW
A19	77+50.72	58.06'RT	---	488,381.12	825,402.56	MATCH EXIST.; FOW
A20	77+59.73	57.90'RT	---	488,387.14	825,409.25	MATCH EXIST.; FOW
A21	77+46.03	48.39'RT	854.11	488,385.35	825,392.67	EOP
A22	77+45.11	26.51'RT	---	488,401.28	825,377.65	MATCH EXIST.; EOP
A23	76+75.36	27.89'RT	---	488,354.51	825,325.95	MATCH EXIST.; EOP
A24	76+76.78	18.03'RT	---	488,362.87	825,320.54	MATCH EXIST.; EOP
A25	77+43.47	0.00'RT	---	488,420.24	825,359.04	MATCH EXIST.; EOP
A26	77+19.13	22.01'LT	---	488,420.87	825,326.23	MATCH EXIST.; EOP
A27	77+19.13	23.41'LT	---	488,421.93	825,325.31	MATCH EXIST.; EXIST. EOP
A28	77+89.85	22.09'LT	---	488,467.31	825,379.61	MATCH EXIST.; EOP
A29	77+97.10	22.25'LT	852.01	488,472.18	825,384.99	EOP; BEGIN TAPER
A30	78+30.80	20.00'LT	851.87	488,492.56	825,411.93	EOP; END TAPER
A31	77+98.78	0.00'RT	852.44	488,456.47	825,400.84	EOP; END RADIUS
A32	77+89.87	1.01'RT	852.51	488,449.87	825,394.76	EOP; BEGIN RADIUS; BEGIN RADIUS
A33	77+88.84	22.16'RT	853.26	488,433.21	825,407.84	EOP; END RADIUS; BEGIN RADIUS
A34	78+07.66	24.64'RT	853.30	488,443.66	825,423.69	EOP; END RADIUS
A35	78+33.30	54.44'RT	---	488,437.95	825,462.58	MATCH EXIST.; FOW
A36	78+44.29	53.95'RT	---	488,445.51	825,470.56	MATCH EXIST.; FOW
A37	79+03.30	50.34'RT	---	488,486.90	825,512.78	MATCH EXIST.; FOW
A38	79+18.28	49.57'RT	---	488,497.29	825,523.60	MATCH EXIST.; FOW
A39	79+41.67	48.12'RT	---	488,513.71	825,540.32	MATCH EXIST.; FOW
A40	79+51.66	47.58'RT	---	488,520.66	825,547.51	MATCH EXIST.; FOW
A41	79+64.62	47.14'RT	---	488,529.48	825,557.02	MATCH EXIST.; FOW
A42	79+76.60	46.43'RT	---	488,537.87	825,565.61	MATCH EXIST.; FOW
A43	75+37.69	78.13'RT	---	488,226.26	825,255.02	R=20'
A44	78+04.66	25.27'LT	---	488,479.41	825,388.73	R=50'
A45	77+92.32	11.73'RT	---	488,443.37	825,403.64	R=11'
A46	77+98.78	40.00'RT	---	488,426.25	825,427.04	R=40'

2

TENNEY PARK LAGOON



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	TRAFFIC FLOW		
	PROPOSED INLET	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	PROPOSED STORM SEWER MANHOLE		
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	DRAINAGE FLOW ARROW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
//////	SAWING ASPHALT	BS	BUS BOARDING PAD (SEE DETAILS)
XXXXX	SAWING CONCRETE		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
X	TREE REMOVAL (CLEARING AND GRUBBING)		SLOPE INTERCEPTS
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET 67	E

POINT NO.	EAST JOHNSON STREET		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
B1	80+46.67	2.00'RT	---	488,617.34	825,589.45	BEGIN STAMPING COLORED CONCRETE
B2	80+47.09	9.99'RT	---	488,611.57	825,595.00	BEGIN STAMPING COLORED CONCRETE
B3	81+18.17	9.00'RT	851.28	488,659.53	825,647.77	EOP; END RADIUS
B4	81+18.05	0.00'RT	851.02	488,666.10	825,641.63	EOP; BEGIN RADIUS
B5	81+17.08	29.04'RT	851.70	488,643.95	825,660.43	EOP; BEGIN RADIUS
B6	81+34.72	35.93'RT	851.83	488,650.92	825,678.26	EOP; MIDPOINT OF RADIUS
B7	81+42.25	53.48'RT	852.68	488,643.23	825,695.80	EOP; END RADIUS
B8	81+42.31	57.16'RT	853.03	488,640.57	825,698.35	EOP
B9	81+43.00	62.56'RT	---	488,637.09	825,702.53	MATCH EXIST.; EOP
B10	81+56.05	62.37'RT	853.72	488,646.35	825,712.20	CENTERLINE LOCATION
B11	81+55.85	44.30'RT	851.74	488,659.40	825,699.69	CENTERLINE LOCATION; GRADE BREAK
B12	81+55.67	28.22'RT	851.42	488,671.01	825,688.57	CENTERLINE LOCATION
B13	81+69.71	62.25'RT	---	488,656.04	825,722.31	MATCH EXIST.; EOP
B14	81+69.66	53.03'RT	852.61	488,662.69	825,715.93	EOP; BEGIN RADIUS
B15	81+76.76	35.34'RT	851.45	488,680.50	825,708.99	EOP; MIDPOINT OF RADIUS
B16	81+94.26	53.00'RT	---	488,679.99	825,733.98	R=25'
B17	81+94.26	28.00'RT	851.14	488,698.01	825,716.66	EOP; END RADIUS
B18	81+84.85	8.00'RT	850.81	488,705.90	825,696.00	EOP; END RADIUS
B19	81+83.87	2.17'RT	850.73	488,709.43	825,691.26	EOP; BEGIN RADIUS; BEGIN RADIUS
B20	81+96.83	0.00'RT	850.63	488,719.98	825,699.11	EOP; END RADIUS
B21	82+57.41	0.00'RT	850.29	488,761.96	825,742.78	EOP; BEGIN RADIUS
B22	82+57.07	7.99'RT	850.38	488,755.97	825,748.07	EOP; END RADIUS
B23	82+44.65	39.00'RT	---	488,725.01	825,760.61	MATCH EXIST.; FOW; BEGIN BUS PAD
B24	82+54.65	38.87'RT	---	488,732.03	825,767.73	MATCH EXIST.; FOW; END BUS PAD
B25	82+73.50	38.69'RT	---	488,745.22	825,781.19	MATCH EXIST.; FOW
B26	82+89.50	38.88'RT	---	488,756.17	825,792.85	MATCH EXIST.; FOW
B27	83+87.81	38.97'RT	---	488,824.24	825,863.79	MATCH EXIST.; FOW
B28	83+97.81	38.75'RT	---	488,831.33	825,870.85	MATCH EXIST.; FOW
B29	84+06.28	38.68'RT	---	488,837.25	825,876.90	MATCH EXIST.; FOW
B30	84+15.28	38.73'RT	---	488,843.45	825,883.43	MATCH EXIST.; FOW
B31	84+31.67	7.99'RT	850.20	488,876.97	825,873.94	EOP; END RADIUS
B32	84+31.89	0.00'RT	850.12	488,882.88	825,868.56	EOP; BEGIN RADIUS
B33	85+70.45	0.00'RT	849.96	488,978.91	825,968.45	EOP; BEGIN RADIUS
B34	85+70.66	7.99'RT	850.00	488,973.30	825,974.14	EOP; END RADIUS
B35	85+86.21	38.34'RT	---	488,962.19	826,006.39	MATCH EXIST.; FOW
B36	85+98.22	38.31'RT	---	488,970.54	826,015.02	MATCH EXIST.; FOW
B37	80+62.70	41.84'RT	---	488,597.76	825,627.70	MATCH EXIST.; FOW
B38	80+69.57	41.30'RT	---	488,602.75	825,632.60	MATCH EXIST.; FOW
B39	81+17.78	54.03'RT	---	488,625.93	825,677.75	R=25'
B40	81+18.05	4.50'RT	---	488,662.77	825,644.65	R=4.5'
B41	81+84.84	5.00'RT	---	488,708.06	825,693.92	R=3'
B42	81+96.83	40.00'RT	---	488,691.15	825,726.83	R=40'
B43	82+57.41	4.00'RT	---	488,759.08	825,745.55	R=4'
B44	84+31.89	4.00'RT	---	488,880.00	825,871.33	R=4'
B45	85+70.45	4.00'RT	---	488,976.03	825,971.22	R=4'
B46	81+40.41	44.40'RT	851.90	488,648.61	825,688.26	EOP; GRADE BREAK
B47	81+71.16	44.29'RT	851.62	488,670.09	825,711.02	EOP; GRADE BREAK
B48	81+43.89	69.63'RT	---	488,632.53	825,708.02	MATCH EXIST.; EOP
B49	81+68.69	69.34'RT	---	488,650.16	825,726.42	MATCH EXIST.; EOP
B50	81+26.59	30.69'RT	851.65	488,649.21	825,668.65	EOP; GRADE BREAK

2

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

CITY OF MADISON PARKS

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

CONCRETE PAVEMENT APPROACH SLAB REQ'D

CONCRETE CORRUGATED MEDIAN REQ'D

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

8-INCH CURB HEAD HEIGHT REQ'D

CONCRETE PAVEMENT REINFORCED
9-INCH (DOWELED, NON-TINED) REQ'D

SEE ALIGNMENT DETAIL FOR
INFORMATION ON EASTBOUND PGL

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

E. JOHNSON STREET

7:1 TAPER

8:1 TAPER

BUS PULL OUT

8-INCH CURB HEAD
HEIGHT REQ'D

P-13-728 (TO REMAIN)

CONCRETE CURB TYPE A SPECIAL

C-13-147 (TO REMAIN)
(SEE STRUCTURE PLANS FOR
ADDITIONAL INFORMATION)

SEE CONSTRUCTION DETAIL "BIKE
PATH WITH SIDEWALK JOINTING
DETAIL" FOR SIDEWALK JOINTING

CLEARING AND GRUBBING REQ'D (STA. 90+60 - 94+25; STAKE OUT
THE PROPOSED EDGE OF SIDEWALK AND COORDINATE ACTUAL
CLEARING AND GRUBBING LIMITS WITH THE ENGINEER.)

EXISTING RETAINING WALL
AND RAILING TO REMAIN

JSSAINT APARTMENTS
1E. JOHNSON STREET

CHRISTOPHE
220 N. THORNTON AVENUE

TRANSITION CURB & GUTTER TO MATCH
INLET COVERS TYPE HM.
(PAID AS CONCRETE CURB & GUTTER
30-INCH TYPE D MOUNTABLE SPECIAL)

CONCRETE CURB & GUTTER 30-INCH
TYPE D MOUNTABLE SPECIAL

ROBERT MILLER TRUST
PATRICA MILLER TRUST
216 N. THORNTON AVENUE

1.75-INCHES HMA PAVEMENT 4 LT 58-28 S OVER
1.75-INCHES HMA PAVEMENT 4 LT 58-28 S OVER
6-INCHES BASE AGGREGATE DENSE 1¼-INCH OVER
6-INCHES BASE AGGREGATE DENSE 3-INCH

N. THORNTON AVENUE

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	BS	BUS BOARDING PAD (SEE DETAILS)
	DRAINAGE FLOW ARROW		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	SAWING ASPHALT		SLOPE INTERCEPTS
XXXXX	SAWING CONCRETE		
X	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET 69	E

POINT NO.	EAST JOHNSON STREET		PL LINE		YP LINE		ELEV.	Y	X	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
C1	87+71.20	27.31'LT	---	---	---	---	---	489,134.97	826,098.79	MATCH EXIST.; FOW
C2	87+76.74	26.53'LT	---	---	---	---	855.60	489,137.81	826,103.27	FOW
C3	86+82.74	0.00'RT	---	---	---	---	851.10	489,056.73	826,049.40	EOP; BEGIN RADIUS
C4	86+82.74	8.00'RT	---	---	---	---	851.10	489,050.97	826,054.94	EOP; END RADIUS
C5	87+34.48	6.00'RT	---	---	---	---	854.06	489,086.60	826,091.56	EOP; END CONCRETE CURB & GUTTER; BEGIN CONCRETE CORRUGATED MEDIAN
C6	87+34.27	0.00'RT	---	---	---	---	854.05	489,091.18	826,087.68	EOP; END CONCRETE CURB & GUTTER; BEGIN CONCRETE CORRUGATED MEDIAN
C7	86+53.29	38.69'RT	---	---	---	---	---	489,008.44	826,054.98	MATCH EXIST.; FOW
C8	86+74.93	38.67'RT	---	---	---	---	---	489,023.44	826,070.57	MATCH EXIST.; FOW
C9	87+34.10	49.55'RT	11+57.09 PL	30.48'LT	---	---	---	489,052.16	826,118.23	MATCH EXIST.; BOW; BEGIN RADIUS
C10	87+46.19	45.13'RT	11+61.15 PL	21.17'LT	---	---	853.16	489,062.72	826,124.72	BOW; END RADIUS
C11	87+52.59	38.26'RT	11+66.43 PL	18.91'LT	---	---	853.97	489,072.41	826,125.94	BOW; BEGIN RADIUS
C12	87+64.93	37.77'RT	11+72.74 PL	10.00'LT	---	---	855.18	489,081.16	826,135.94	BOW; END RADIUS
C13	88+18.72	25.00'RT	---	---	---	---	857.26	489,128.54	826,168.71	FOW; END RADIUS
C14	87+82.27	30.30'RT	---	---	---	---	855.96	489,098.93	826,145.07	FOW; BEGIN RADIUS
C15	87+73.41	33.15'RT	11+80.04 PL	10.00'LT	---	---	855.49	489,090.56	826,139.88	FOW
C16	87+76.45	43.26'RT	11+80.04 PL	0.63'RT	---	---	---	489,085.07	826,148.98	MATCH EXIST.; BOW
C17	88+07.94	71.53'RT	---	---	10+33.89 YP	0.00'RT	---	489,087.56	826,193.22	MATCH EXIST.; EOP
C18	88+17.39	73.56'RT	---	---	10+33.89 YP	9.66'LT	---	489,092.65	826,201.44	MATCH EXIST.; EOP
C19	88+11.43	101.28'RT	---	---	10+62.24 YP	10.00'LT	849.43	489,068.55	826,216.37	EOP; BEGIN RADIUS
C20	88+02.48	95.49'RT	10+58.46 PL	0.00'RT	10+58.46 YP	0.00'RT	849.41	489,066.51	826,205.91	EOP; BEGIN PL LINE
C21	88+00.50	139.58'RT	---	---	11+02.89 YP	0.00'RT	---	489,033.32	826,235.02	EOP; END RADIUS
C22	88+02.27	149.95'RT	10+80.53 PL	41.04'LT	11+13.42 YP	0.00'RT	849.49	489,027.14	826,243.55	EOP; BIKE RAMP LOCATION
C23	88+10.82	141.12'RT	---	---	11+06.28 YP	10.00'LT	849.61	489,039.43	826,243.58	EOP; END RADIUS
C24	88+15.96	169.17'RT	---	---	11+34.80 YP	10.00'LT	848.94	489,022.80	826,266.74	EOP; BEGIN RADIUS
C25	88+28.70	201.50'RT	---	---	11+73.68 YP	11.78'LT	---	489,008.36	826,298.35	MATCH EXIST.; EOP; END RADIUS
C26	88+18.59	207.54'RT	---	---	11+73.68 YP	0.00'RT	---	488,996.99	826,295.25	MATCH EXIST.; EOP; END RADIUS
C27	88+07.35	177.64'RT	---	---	11+41.57 YP	0.00'RT	849.10	489,010.72	826,266.41	EOP; BEGIN RADIUS
C28	87+99.22	134.22'RT	10+79.57 PL	25.10'LT	10+97.38 YP	0.92'RT	850.11	489,036.07	826,230.14	EOP; BIKE RAMP LOCATION
C29	87+84.73	122.91'RT	10+88.25 PL	10.00'LT	---	---	851.05	489,031.94	826,209.10	EOP; BEGIN RADIUS
C30	87+75.87	196.51'RT	10+91.19 PL	84.10'LT	11+48.47 YP	44.20'RT	---	488,969.14	826,249.20	MATCH EXIST.; EOP
C31	87+92.50	190.32'RT	10+86.25 PL	77.98'LT	11+49.04 YP	20.35'RT	---	488,989.17	826,262.19	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER; END RADIUS
C32	87+95.64	173.37'RT	10+84.70 PL	61.73'LT	11+34.91 YP	12.48'RT	849.75	489,004.47	826,253.72	EOP; END RADIUS; BEGIN RADIUS
C33	87+69.55	165.88'RT	10+94.39 PL	55.13'LT	11+20.05 YP	44.99'RT	---	488,986.74	826,222.69	MATCH EXIST.; EOP; BEGIN CONCRETE CURB & GUTTER; BEGIN RADIUS
C34	87+65.56	175.37'RT	10+95.18 PL	65.62'LT	11+27.94 YP	52.50'RT	---	488,976.03	826,224.72	MATCH EXIST.; FOW
C35	87+62.67	162.44'RT	10+97.18 PL	54.36'LT	11+14.45 YP	52.98'RT	---	488,983.51	826,213.48	MATCH EXIST.; FOW
C36	87+95.61	143.87'RT	10+82.78 PL	32.82'LT	11+05.95 YP	6.91'RT	849.36	489,025.90	826,233.44	BOC; BIKE RAMP LOCATION
C37	88+00.44	153.93'RT	10+81.58 PL	44.21'LT	11+16.98 YP	2.62'RT	849.26	489,022.93	826,244.91	BOC; BIKE RAMP LOCATION
C38	89+22.10	26.50'LT	---	---	---	---	---	489,237.35	826,207.42	MATCH EXIST.; BOW
C39	89+51.36	26.50'LT	---	---	---	---	856.71	489,257.65	826,228.50	BOW
C40	89+80.53	31.29'LT	---	---	---	---	---	489,281.34	826,246.18	MATCH EXIST.; BOW
C41	89+76.41	25.54'LT	---	---	---	---	855.90	489,274.34	826,247.20	FOW
C42	89+22.07	35.50'RT	---	---	---	---	---	489,192.68	826,250.42	MATCH EXIST.; BOW
C43	89+44.79	35.50'RT	---	---	---	---	856.90	489,208.44	826,266.78	BOW; BEGIN RADIUS
C44	89+59.28	36.26'RT	---	---	---	---	856.56	489,217.96	826,277.74	BOW; END RADIUS
C45	90+04.05	40.94'RT	---	---	---	---	855.31	489,245.64	826,313.23	BOW; BEGIN RADIUS
C46	90+31.88	46.55'RT	---	---	---	---	854.72	489,260.91	826,337.16	BOW; END RADIUS; BEGIN RADIUS
C47	90+59.71	52.16'RT	---	---	---	---	854.33	489,276.18	826,361.10	BOW; END RADIUS
C48	90+61.38	36.25'RT	---	---	---	---	854.09	489,288.80	826,351.26	FOW
C49	89+80.74	27.82'RT	---	---	---	---	855.75	489,238.92	826,287.34	FOW
C50	91+46.69	61.25'RT	---	---	---	---	853.65	489,329.98	826,430.05	BOW; BEGIN RADIUS
C51	90+53.16	5.33'RT	---	---	---	---	853.96	489,305.36	826,323.89	EOP; END CONCRETE CORRUGATED MEDIAN; BEGIN CONCRETE CURB & GUTTER
C52	90+53.41	0.00'RT	---	---	---	---	853.93	489,309.37	826,320.37	EOP; END CONCRETE CORRUGATED MEDIAN; BEGIN CONCRETE CURB & GUTTER
C53	91+04.52	11.87'RT	---	---	---	---	853.51	489,336.28	826,365.42	EOP; BEGIN TAPER
C54	91+85.14	11.05'RT	---	---	---	---	852.83	489,392.80	826,422.91	EOP; END TAPER
C55	90+95.63	20.00'LT	---	---	---	---	853.12	489,353.07	826,336.91	EOP; BEGIN TAPER
C56	91+59.63	28.00'LT	---	---	---	---	852.68	489,403.23	826,377.45	EOP; END TAPER
C57	91+78.72	35.42'LT	---	---	---	---	---	489,421.82	826,386.05	MATCH EXIST.; FOW; BEGIN BUS STOP PAD
C58	86+82.74	4.00'RT	---	---	---	---	---	489,053.85	826,052.17	R=4'
C59	87+35.33	34.59'RT	11+63.20 PL	35.52'LT	---	---	---	489,064.59	826,109.84	R=15'
C60	87+59.00	45.44'RT	11+65.50 PL	9.01'LT	---	---	---	489,071.16	826,135.86	R=10'
C61	87+85.12	142.91'RT	10+88.25 PL	30.00'LT	11+02.89 YP	20.00'RT	---	489,017.44	826,222.87	R=20'
C62	87+84.09	160.61'RT	10+88.81 PL	47.69'LT	11+19.31 YP	25.00'RT	---	489,003.40	826,233.74	R=20'
C63	88+08.99	186.42'RT	10+81.84 PL	77.82'LT	11+50.48 YP	0.41'RT	---	489,005.54	826,273.69	R=20'
C64	88+18.72	170.50'RT	---	---	---	---	---	489,023.76	826,269.65	R=146.5'
C65	89+04.48	152.94'RT	---	---	11+34.80 YP	100.00'LT	---	489,095.90	826,319.23	R=90'
C66	89+44.79	174.88'RT	---	---	---	---	---	489,108.07	826,363.48	R=139.38'
C67	89+88.45	190.12'RT	---	---	---	---	---	489,127.38	826,405.50	R=150'
C68	90+75.31	97.03'LT	---	---	---	---	---	489,394.44	826,268.83	R=150'
C69	87+87.41	141.09'RT	10+86.94 PL	28.33'LT	11+01.79 YP	16.79'RT	849.51	489,020.77	826,223.82	EOP; MIDPOINT OF RADIUS
C70	87+99.22	161.11'RT	10+82.68 PL	50.69'LT	11+23.75 YP	5.50'RT	849.26	489,016.65	826,248.73	EOP; LOW POINT

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X		
	TRAFFIC FLOW	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	PROPOSED INLET		
	PROPOSED STORM SEWER MANHOLE	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	DRAINAGE FLOW ARROW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	SAWING ASPHALT	BS	BUS BOARDING PAD (SEE DETAILS)
XXXXX	SAWING CONCRETE		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
X	TREE REMOVAL (CLEARING AND GRUBBING)		SLOPE INTERCEPTS
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

END CONSTRUCTION
STA. 11+39.02 FO

FORDEM AVE.

GRADE BREAK LINE (TYP.)

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

STATE OF WI WISDOT
1890 E. JOHNSON STREET

CONCRETE MEDIAN SLOPED NOSE TYPE 1 (TYP.)

BUS PULL OUT

8:1 TAPER

E. JOHNSON STREET

MATCHLINE STA. 92+00

MATCHLINE STA. 98+00

WRAP DRAINAGE AROUND SLOPED NOSE

STA. 94+88.16 = STA. 10+00.00 FO

15:1 TAPER

8:1 TAPER

SEE CONSTRUCTION DETAIL "BIKE PATH WITH SIDEWALK JOINTING DETAIL" FOR SIDEWALK JOINTING

ASPH-D

6-INCHES BASE AGGREGATE DENSE 3/4-INCH

MADISON GAS & ELECTRIC
1701 E. JOHNSON STREET

CLEARING AND GRUBBING REQ'D (STA. 90+60 - 94+25; STAKE OUT THE PROPOSED EDGE OF SIDEWALK AND COORDINATE ACTUAL CLEARING AND GRUBBING LIMITS WITH THE ENGINEER.)

SEE ALIGNMENT DETAIL FOR INFORMATION ON EASTBOUND PGL

WISCONSIN & SOUTHERN RAILROAD

STATE OF WI WISDOT
1811 E. JOHNSON STREET

CITY OF MADISON ENGINEER
WALKWAYS & BIKEPATHS 536
1800 E. WASHINGTON AVENUE

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021204_pd.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X		
	TRAFFIC FLOW	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	PROPOSED INLET		
	PROPOSED STORM SEWER MANHOLE	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	DRAINAGE FLOW ARROW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	SAWING ASPHALT	BS	BUS BOARDING PAD (SEE DETAILS)
XXXXX	SAWING CONCRETE		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
X	TREE REMOVAL (CLEARING AND GRUBBING)		SLOPE INTERCEPTS
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

END CONSTRUCTION
STA. 11+39.02 FO

FORDEM AVE.

E. JOHNSON STREET

WISCONSIN & SOUTHERN RAILROAD

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

STATE OF WI WISDOT
1890 E. JOHNSON STREET

MADISON GAS & ELECTRIC
1701 E. JOHNSON STREET

STATE OF WI WISDOT
1811 E. JOHNSON STREET

CITY OF MADISON ENGINEER
WALKWAYS & BIKEPATHS 536
1800 E. WASHINGTON AVENUE

MATCHLINE STA. 92+00

MATCHLINE STA. 98+00

STA. 94+88.16 =
STA. 10+00.00 FO

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET	E

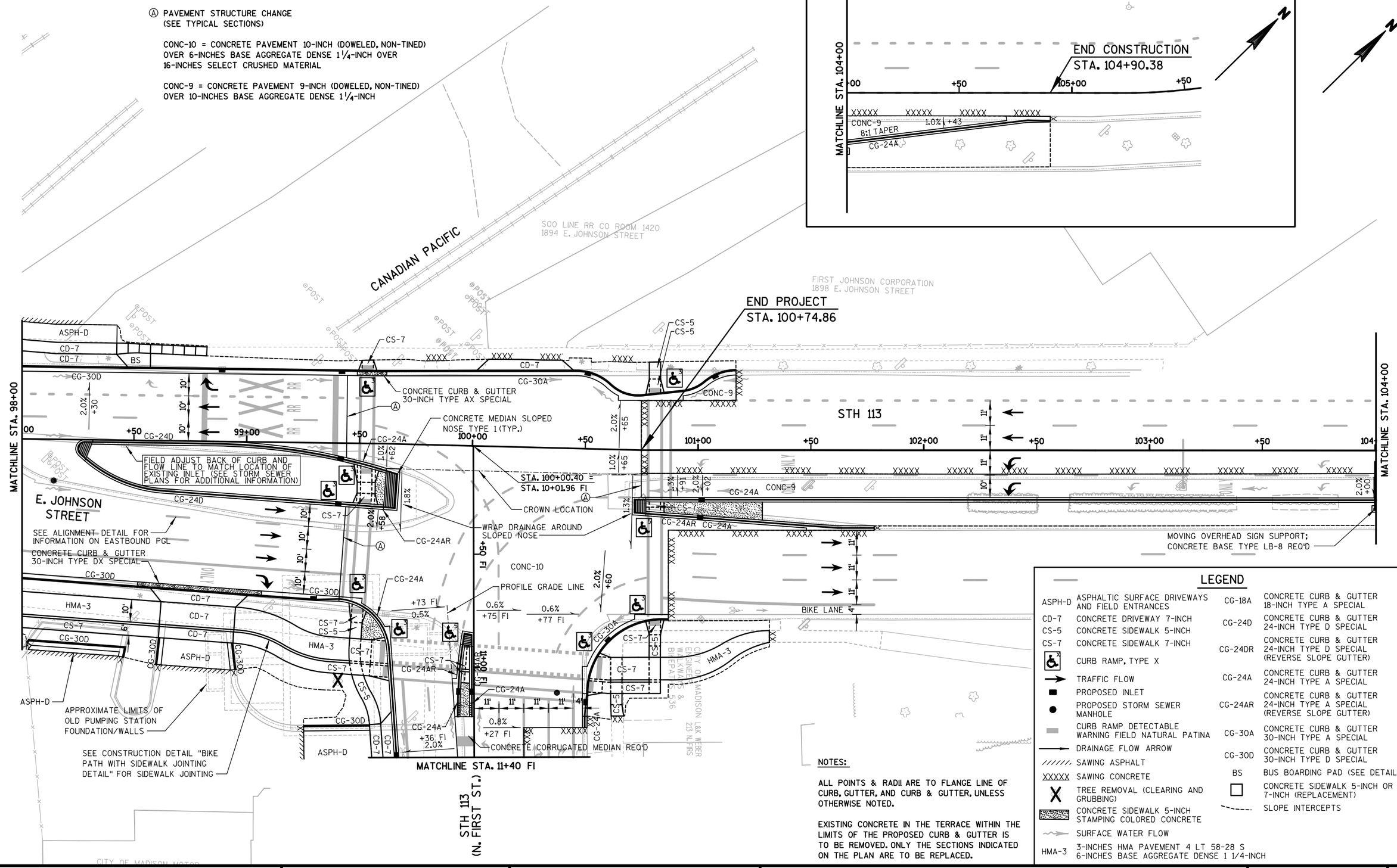
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021204a_pd.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	FORDEM AVENUE STATION	FORDEM AVENUE OFFSET	ELEV.	Y	X	REMARKS
D1	92+04.83	10.00'RT	---	---	---	489,407.22	826,436.36	END STAMPING COLORED CONCRETE
D2	92+04.83	2.00'RT	---	---	---	489,412.99	826,430.81	END STAMPING COLORED CONCRETE
D3	93+54.49	9.98'RT	---	---	---	489,505.24	826,547.87	BEGIN STAMPING COLORED CONCRETE
D4	93+53.88	2.00'RT	---	---	---	489,511.19	826,542.52	BEGIN STAMPING COLORED CONCRETE
D5	92+39.15	28.00'LT	---	---	852.33	489,458.47	826,435.33	EOP; BEGIN TAPER
D6	93+14.15	20.00'LT	---	---	852.88	489,503.31	826,497.48	EOP; END TAPER
D7	93+64.05	20.00'LT	---	---	853.15	489,534.92	826,537.37	EOP; END RADIUS; BEGIN RADIUS
D8	94+31.95	20.00'LT	---	---	853.52	489,576.98	826,588.36	EOP; END RADIUS; BEGIN RADIUS
D9	94+65.95	25.94'LT	10+00.84 FO	34.14'LT	853.71	489,604.21	826,608.88	EOP; MIDPOINT OF RADIUS
D10	94+94.99	43.83'LT	10+34.39 FO	28.02'LT	853.53	489,637.13	826,617.80	EOP; END RADIUS
D11	94+77.78	0.00'RT	---	---	854.27	489,593.40	826,635.26	EOP; BEGIN RADIUS
D12	94+78.44	7.95'RT	---	---	854.32	489,588.06	826,641.18	EOP; END RADIUS; END RADIUS
D13	94+64.33	8.96'RT	---	---	854.10	489,577.66	826,631.59	EOP; BEGIN RADIUS
D14	94+10.30	45.61'RT	---	---	853.69	489,513.14	826,615.08	FOW; BEGIN BUS STOP PAD
D15	94+29.17	61.35'RT	---	---	853.98	489,514.59	826,640.65	BOW
D16	94+29.17	63.35'RT	---	---	853.97	489,513.10	826,641.98	BEGIN BASE AGGREGATE DENSE 3/4-INCH
D17	94+29.17	64.78'RT	---	---	853.96	489,512.04	826,642.93	BEGIN RADIUS
D18	94+26.85	69.13'RT	---	---	---	489,507.11	826,643.95	MATCH EXIST.; END RADIUS
D19	94+53.72	69.50'RT	---	---	---	489,526.27	826,665.31	MATCH EXIST.; END RADIUS
D20	94+55.68	63.77'RT	---	---	854.31	489,531.80	826,662.83	BEGIN BASE AGGREGATE DENSE 3/4-INCH; BEGIN RADIUS
D21	94+55.73	61.77'RT	---	---	854.31	489,533.28	826,661.49	BOW
D22	94+92.86	62.62'RT	---	---	854.92	489,558.09	826,689.14	BOW; BEGIN RADIUS
D23	94+99.64	63.77'RT	---	---	855.06	489,561.90	826,694.86	BOW; END RADIUS
D24	95+04.43	65.30'RT	---	---	855.16	489,564.06	826,699.40	BOW
D25	95+13.95	68.36'RT	---	---	---	489,568.35	826,708.43	MATCH EXIST.; BOW
D26	94+82.01	41.87'RT	---	---	854.23	489,565.78	826,667.02	BOC; BIKE RAMP LOCATION
D27	94+85.41	46.45'RT	---	---	854.55	489,564.77	826,672.63	FOW; BIKE RAMP LOCATION
D28	94+90.40	46.56'RT	---	---	854.62	489,568.11	826,676.35	FOW; BIKE RAMP LOCATION
D29	94+94.01	42.15'RT	---	---	854.47	489,573.80	826,675.95	BOC; BIKE RAMP LOCATION
D30	95+06.57	42.43'RT	---	---	854.68	489,582.19	826,685.30	BOC; BIKE RAMP LOCATION
D31	95+07.37	49.44'RT	---	---	854.89	489,577.63	826,690.68	FOW; BIKE RAMP LOCATION
D32	95+12.15	50.97'RT	---	---	854.97	489,579.78	826,695.22	FOW; BIKE RAMP LOCATION
D33	95+19.50	42.73'RT	---	---	854.88	489,590.82	826,694.93	BOC; BIKE RAMP LOCATION
D34	95+31.46	43.01'RT	---	---	---	489,598.82	826,703.84	EOP; BOC
D35	95+31.52	40.51'RT	---	---	855.10	489,600.68	826,702.17	EOP; END CONCRETE CURB & GUTTER
D36	95+41.60	43.24'RT	---	---	---	489,605.59	826,711.39	MATCH EXIST.; EOP
D37	95+67.77	19.33'RT	---	---	---	489,640.93	826,714.09	MATCH EXIST.; EOP
D38	95+56.28	18.74'RT	---	---	---	489,633.49	826,705.31	EOP; BOC
D39	95+55.97	20.72'RT	---	---	855.03	489,631.84	826,706.44	EOP; END CONCRETE CURB & GUTTER; END RADIUS
D40	95+40.27	14.70'RT	---	---	854.90	489,625.48	826,690.88	EOP; END RADIUS; BEGIN RADIUS
D41	95+44.64	0.00'RT	---	---	854.81	489,639.18	826,683.99	EOP; BEGIN RADIUS
D42	95+76.52	0.00'RT	---	---	854.98	489,661.01	826,707.23	EOP; END CONCRETE CURB & GUTTER
D43	95+76.52	2.00'RT	---	---	---	489,659.55	826,708.60	EOP; BOC
D44	95+86.77	2.00'RT	---	---	---	489,666.57	826,716.07	MATCH EXIST.; EOP
D45	95+10.40	20.00'LT	10+29.91 FO	0.00'RT	854.16	489,630.32	826,645.35	GRADE BREAK
D46	95+51.55	20.00'LT	10+60.52 FO	27.51'RT	854.45	489,658.49	826,675.34	GRADE BREAK
D47	95+38.06	28.81'LT	10+56.37 FO	11.94'RT	854.19	489,655.67	826,659.47	EOP; END RADIUS; BEGIN RADIUS
D48	95+29.45	37.12'LT	10+55.53 FO	0.00'RT	853.76	489,655.84	826,647.50	EOP; BEGIN RADIUS
D49	95+66.41	70.36'LT	11+05.23 FO	0.00'RT	852.98	489,705.36	826,651.69	EOP; BEGIN RADIUS
D50	95+70.63	66.10'LT	11+05.53 FO	5.99'RT	853.16	489,705.16	826,657.68	EOP; END RADIUS; END RADIUS
D51	95+69.49	112.23'LT	11+35.51 FO	29.08'LT	852.28	489,737.99	826,625.26	EOP
D52	95+71.91	114.33'LT	11+38.72 FO	29.02'LT	---	489,741.18	826,625.59	MATCH EXIST.; EOP
D53	95+86.99	97.91'LT	11+38.95 FO	6.73'LT	---	489,739.53	826,647.82	MATCH EXIST.; EOP; GRADE BREAK
D54	95+93.64	90.67'LT	11+39.06 FO	3.10'RT	---	489,738.81	826,657.62	MATCH EXIST.; EOP; GRADE BREAK
D55	96+04.99	78.30'LT	11+39.23 FO	19.88'RT	---	489,737.57	826,674.36	MATCH EXIST.; EOP
D56	95+99.66	73.42'LT	11+32.01 FO	19.96'RT	852.76	489,730.36	826,673.83	EOP; BEGIN RADIUS; GRADE BREAK
D57	95+96.71	70.71'LT	11+28.00 FO	20.00'RT	852.87	489,726.37	826,673.53	GRADE BREAK
D58	95+92.52	48.18'LT	11+09.82 FO	33.95'RT	853.76	489,707.08	826,685.90	EOP; MIDPOINT OF RADIUS
D59	96+11.85	30.45'LT	11+12.34 FO	60.06'RT	854.77	489,707.39	826,712.13	EOP; END CONCRETE CURB & GUTTER; END RADIUS
D60	96+12.32	32.90'LT	11+14.34 FO	58.55'RT	---	489,709.51	826,710.79	EOP; BOC
D61	96+24.58	32.50'LT	---	---	---	489,717.60	826,720.00	MATCH EXIST.; EOP
D62	96+39.93	46.50'LT	---	---	---	489,738.32	826,721.61	MATCH EXIST.; BOW
D63	96+24.45	46.50'LT	---	---	855.22	489,727.72	826,710.32	BOW
D64	96+22.04	46.50'LT	---	---	855.07	489,726.07	826,708.56	BOW
D65	96+06.51	61.66'LT	11+29.24 FO	33.27'RT	853.58	489,726.48	826,686.86	BOW; BEGIN RADIUS
D66	96+09.74	69.09'LT	11+36.61 FO	29.91'RT	853.17	489,734.12	826,684.14	BOW; END RADIUS
D67	94+24.57	64.79'RT	---	---	---	489,508.70	826,639.21	R=5'
D68	96+11.75	70.94'LT	11+39.34 FO	29.88'RT	---	489,736.83	826,684.34	MATCH EXIST.; BOW
D69	96+01.48	65.70'LT	11+28.20 FO	26.91'RT	853.35	489,725.99	826,680.43	FOW
D70	96+54.82	46.50'LT	---	---	---	489,748.51	826,732.46	MATCH EXIST.; BOW
D71	96+64.82	46.50'LT	---	---	855.07	489,755.36	826,739.74	BOW
D72	97+20.01	46.50'LT	---	---	853.78	489,793.15	826,779.97	BOW
D73	94+45.79	63.54'RT	---	---	---	489,525.12	826,655.38	R=10'
D74	97+34.28	46.50'LT	---	---	---	489,802.92	826,790.37	MATCH EXIST.; BOW
D75	97+22.53	32.50'LT	---	---	---	489,784.67	826,791.39	MATCH EXIST.; EOP
D76	97+11.63	32.50'LT	---	---	---	489,777.21	826,783.45	EOP; BOW
D77	94+31.95	110.00'LT	10+33.45 FO	118.02'LT	---	489,643.77	826,528.04	R=90'
D78	97+11.63	30.00'LT	---	---	853.40	489,775.39	826,785.16	EOP; END CONCRETE CURB & GUTTER
D79	96+49.87	30.00'LT	---	---	854.59	489,733.10	826,740.15	EOP; BEGIN CONCRETE CURB & GUTTER
D80	96+49.87	32.50'LT	---	---	---	489,734.92	826,738.43	EOP; BOC
D81	94+66.05	66.02'LT	---	---	---	489,633.49	826,581.51	R=75'
D82	96+39.54	32.50'LT	---	---	---	489,727.84	826,730.90	MATCH EXIST.; EOP
D83	96+01.74	2.00'RT	---	---	---	489,676.82	826,726.98	MATCH EXIST.; EOP
D84	96+14.32	2.00'RT	---	---	---	489,685.43	826,736.15	EOP; BOC
D85	94+77.78	4.00'RT	---	---	---	489,590.48	826,638.00	R=4'
D86	96+14.32	0.00'RT	---	---	854.83	489,686.89	826,734.78	EOP; BEGIN CONCRETE CURB & GUTTER
D87	96+87.77	0.00'RT	---	---	853.56	489,737.18	826,788.31	EOP; END CONCRETE CURB & GUTTER
D88	96+87.77	2.00'RT	---	---	---	489,735.73	826,789.68	EOP; BOC
D89	96+96.41	2.00'RT	---	---	---	489,741.64	826,795.97	MATCH EXIST.; EOP
D90	96+85.68	17.39'RT	---	---	---	489,723.08	826,798.70	MATCH EXIST.; EOP
D91	96+75.62	17.72'RT	---	---	---	489,715.95	826,791.59	EOP; BOC
D92	94+92.31	86.62'RT	---	---	---	489,540.22	826,705.16	R=24'
D93	96+75.68	19.72'RT	---	---	853.52	489,714.53	826,793.00	EOP; END CONCRETE CURB & GUTTER
D94	96+01.95	22.12'RT	---	---	854.97	489,662.30	826,740.91	EOP; BEGIN TAPER
D95	95+92.49	21.90'RT	---	---	855.07	489,655.98	826,733.86	EOP; BEGIN CONCRETE CURB & GUTTER
D96	95+92.53	19.90'RT	---	---	---	489,657.47	826,732.53	EOP; BOC
D97	95+82.37	19.67'RT	---	---	---	489,650.68	826,724.96	MATCH EXIST.; EOP
D98	95+56.14	43.57'RT	---	---	---	489,615.30	826,722.21	MATCH EXIST.; EOP
D99	95+68.97	43.87'RT	---	---	---	489,623.87	826,731.76	EOP; BOC
D100	95+69.03	41.37'RT	---	---	855.21	489,625.73	826,730.09	EOP; BEGIN CONCRETE CURB & GUTTER
D101	96+58.61	44.06'RT	---	---	853.55	489,685.10	826,797.23	EOP; END CONCRETE CURB & GUTTER
D102	96+58.53	46.56'RT	---	---	---	489,683.22	826,798.88	EOP; BOC
D103	96+66.60	46.84'RT	---	---	---	489,688.55	826,804.95	MATCH EXIST.; EOP
D104	95+25.10	71.93'RT	---	---	---	489,573.37	826,719.00	MATCH EXIST.; BOW
D105	95+35.16	75.16'RT	---	---	854.91	489,577.91	826,728.54	BOW; BEGIN RADIUS
D106	95+46.91	77.58'RT	---	---	854.87	489,584.20	826,738.77	BOW
D107	95+56.43	61.62'RT	---	---	855.08	489,602.34	826,734.77	FOW
D108	95+75.68	72.70'RT	---	---	854.78	489,607.45	826,756.40	BOW; END RADIUS
D109	95+79.18	71.21'RT	---	---	854.76	489,610.93	826,757.92	BOW; BEGIN RADIUS
D110	95+93.18	75.15'RT	---	---	854.24	489,617.65	826,770.83	EOP; MIDPOINT OF RADIUS
D111	95+33.46	32.66'LT	10+55.53 FO	6.00'RT	---	489,655.33	826,653.48	R=6'
D112	95+93.09	89.70'RT	---	---	853.73	489,606.98	826,780.72	EOP; END OF RADIUS
D113	95+90.70	92.79'RT	---	---	---	489,603.10	826,781.10	MATCH EXIST.; EOP
D114	95+98.62	98.90'RT	---	---	---	489,604.06	826,791.05	MATCH EXIST.; EOP
D115	96+17.09	74.99'RT	---	---	854.55	489,634.14	826,788.14	EOP; BEGIN RADIUS
D116	96+24.41	69.11'RT	---	---	854.45	489,643.43	826,789.46	EOP; MIDPOINT OF RADIUS
D117	96+33.60	67.22'RT	---	---	854.15	489,651.10	826,794.86	BOW; END RADIUS
D118	96+37.21	67.35'RT	---	---	854.02	489,653.48	826,797.58	BOW; BEGIN RADIUS
D119	96+43.56	67.77'RT	---	---	853.79	489,657.52	826,802.49	BOW
D120	96+44.74	67.89'RT	---	---	853.72	489,658.24	826,803.43	BOW; END RADIUS
D121	96+53.50	68.85'RT	---	---	---	489,663.54	826,810.48	MATCH EXIST.; BOW
D122	96+07.34	66.33'RT	---	---	854.68	489,633.77	826,775.10	BOW; BEGIN RADIUS
D123	96+34.51	51.25'RT	---	---	854.38	489,663.36	826,784.58	FOW
D124	96+64.27	70.04'RT	---	---	---	489,670.05	826,819.14	MATCH EXIST.; BOW
D125	96+81.74	71.96'RT	---	---	852.81	489,680.61	826,833.18	BOW
D126	95+68.42	68.12'LT	11+05.23 FO	3.00'RT	---	489,705.11	826,654.68	R=3'
D127	96+93.42	57.15'RT	---	---	852.96	489,699.40	826,831.56	FOW
D128	96+78.29	47.24'RT	---	---	---	489,696.27	826,813.75	MATCH EXIST.; EOP
D129	95+44.64	8.00'RT	---	---	---	489,633.35	826,689.47	R=8'
D130	96+87.75	47.56'RT	---	---	---	489,702.51	826,820.86	EOP; BOC
D131	96+87.84	45.06'RT	---	---	853.15	489,704.39	826,819.21	EOP; BEGIN CONCRETE CURB & GUTTER
D132	96+95.53	45.32'RT	---	---	853.07	489,709.46	826,825.00	EOP; BEGIN TAPER
D133	97+72.28	82.00'RT	---	---	852.52	489,735.67	826,906.43	BOC
D134	95+62.12	18.81'LT	---	---	---	489,664.85	826,683.86	R=40'
D135	97+74.62	58.09'RT	---	---	851.68	489,754.70	826,891.73	EOP; END TAPER
D136	96+98.16	16.99'RT	---	---	---	489,731.91	826,807.51	MATCH EXIST.; EOP
D137	97+06.93	16.70'RT	---	---	---	489,738.13	826,813.71	EOP; BOC
D138	97+07.00	18.70'RT	---	---	853.13	489,736.72	826,815.13	EOP; BEGIN CONCRETE CURB & GUTTER
D139	97+44.58	17.48'RT	---	---	852.74	489,763.34	826,841.68	EOP; END TAPER; BEGIN RADIUS
D140	97+76.06	7.34'RT	---	---	852.46	489,792.38	826,857.70	EOP; END RADIUS; END RADIUS
D141	97+73.87	0.00'RT	---	---	852.49	489,796.16	826,851.04	EOP; BEGIN RADIUS
D142	97+67.30	2.00'RT	---	---	---	489,790.18	826,847.65	BEGIN STAMPING COLORED CONCRETE
D143	97+67.29	10.00'RT	---	---	---	489,784.35	826,853.13	BEGIN STAMPING COLORED CONCRETE
D144	97+18.93	0.00'RT	---	---	853.10	489,758.52	826,811.02	EOP; BEGIN CONCRETE CURB & GUTTER
D145	97+18.93	2.00'RT	---	---	---	489,757.06	826,812.39	EOP; BOC
D146	97+08.75	2.00'RT	---	---	---	489,750.09	826,804.98	MATCH EXIST.; EOP
D147	97+35.62	32.50'LT	---	---	---	489,793.63	826,800.93	MATCH EXIST.; EOP
D148	97+44.66	32.50'LT	---	---	---	489,799.82	826,807.52	EOP; BOC
D149	97+44.66	30.00'LT	---	---	852.99	489,798.00	826,809.24	EOP; BEGIN CONCRETE CURB & GUTTER
D150	97+47.60	46.50'LT	---	---	---	489,812.04	826,800.08	MATCH EXIST.; BOW
D151	97+53.12	46.50'LT	---	---	853.32	489,815.82	826,804.10	BOW
D152	97+57.59	46.31'LT	---	---	853.53	489,818.74	826,807.49	BOW
D153	97+96.86	44.23'LT	---	---	852.42	489,843.64	826,836.37	BOW
D154	95+52.26	21.83'RT	---	---	---	489,628.49	826,704.50	R=56'
D155	95+83.60	82.36'RT	---	---	---	489,605.83	826,768.78	R=12'
D156	96+04.95	136.29'RT	---	---	---	489,581.15	826,821.27	R=70'
D157	104+28.51	762.62'RT	12+25.23 FO	1200.00'RT	---	489,723.89	827,857.53	R=1,200'
D158	96+16.57	55.00'LT	11+32.27 FO	44.96'RT	---	489,728.52	826,698.76	R=25'
D159	96+16.51	61.73'LT	11+36.72 FO	39.91'RT	---	489,733.38	826,694.11	R=10'
D160	96+32.92	87.21'RT	---	---	---	489,636.06	826,808.05	R=20'
D161	96+33.80	167.29'RT	---	---	---	489,578.31	826,863.52	R=100'
D162	97+42.63	42.49'LT	---	---	---	489,805.71	826,799.20	R=60'
D163	97+73.87	4.00'RT	---	---	---	489,793.27	826,853.80	R=4'
D164	96+19.12	72.74'RT	---	---	854.66	489,637.17	826,788.08	EOP; GRADE BREAK

Ⓐ PAVEMENT STRUCTURE CHANGE
(SEE TYPICAL SECTIONS)

CONC-10 = CONCRETE PAVEMENT 10-INCH (DOWELED, NON-TINED)
OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH OVER
16-INCHES SELECT CRUSHED MATERIAL

CONC-9 = CONCRETE PAVEMENT 9-INCH (DOWELED, NON-TINED)
OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	CURB RAMP, TYPE X	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED INLET	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED STORM SEWER MANHOLE	BS	BUS BOARDING PAD (SEE DETAILS)
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	DRAINAGE FLOW ARROW		SLOPE INTERCEPTS
	SAWING ASPHALT		
XXXXX	SAWING CONCRETE		
X	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

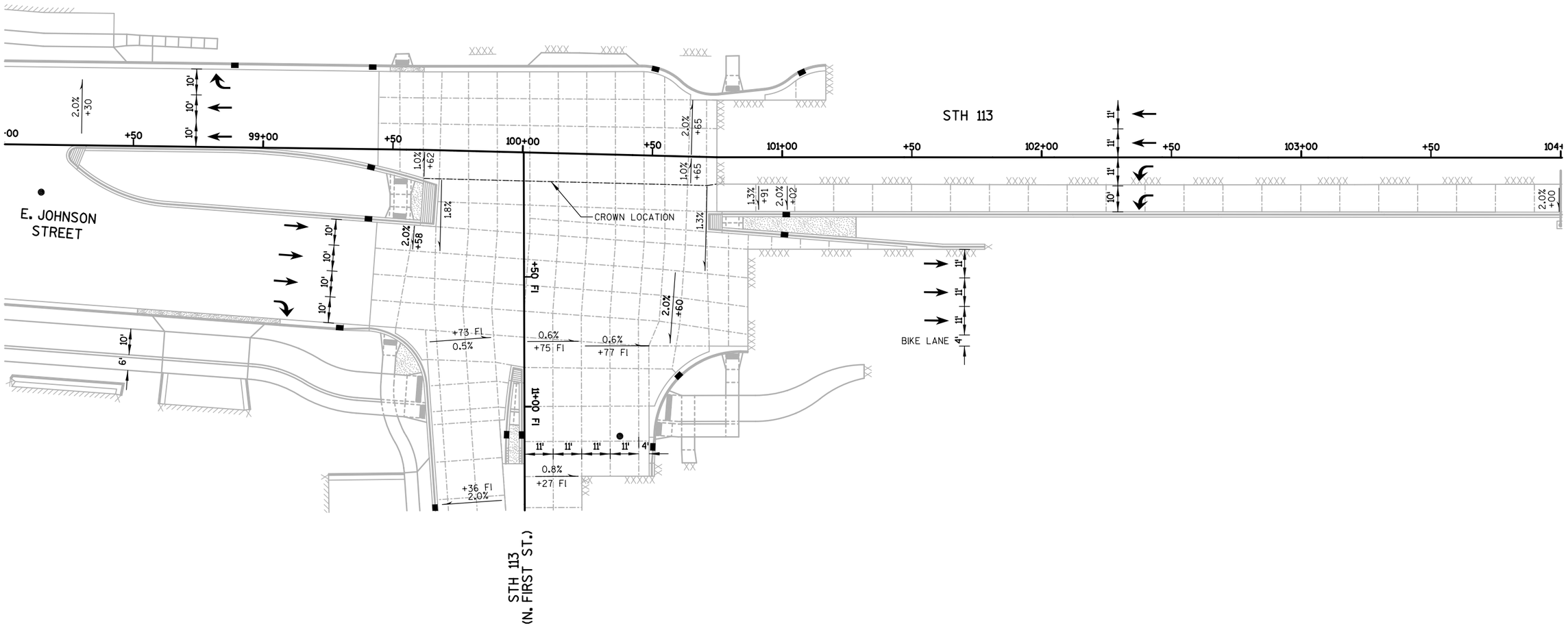
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET 74	E

2

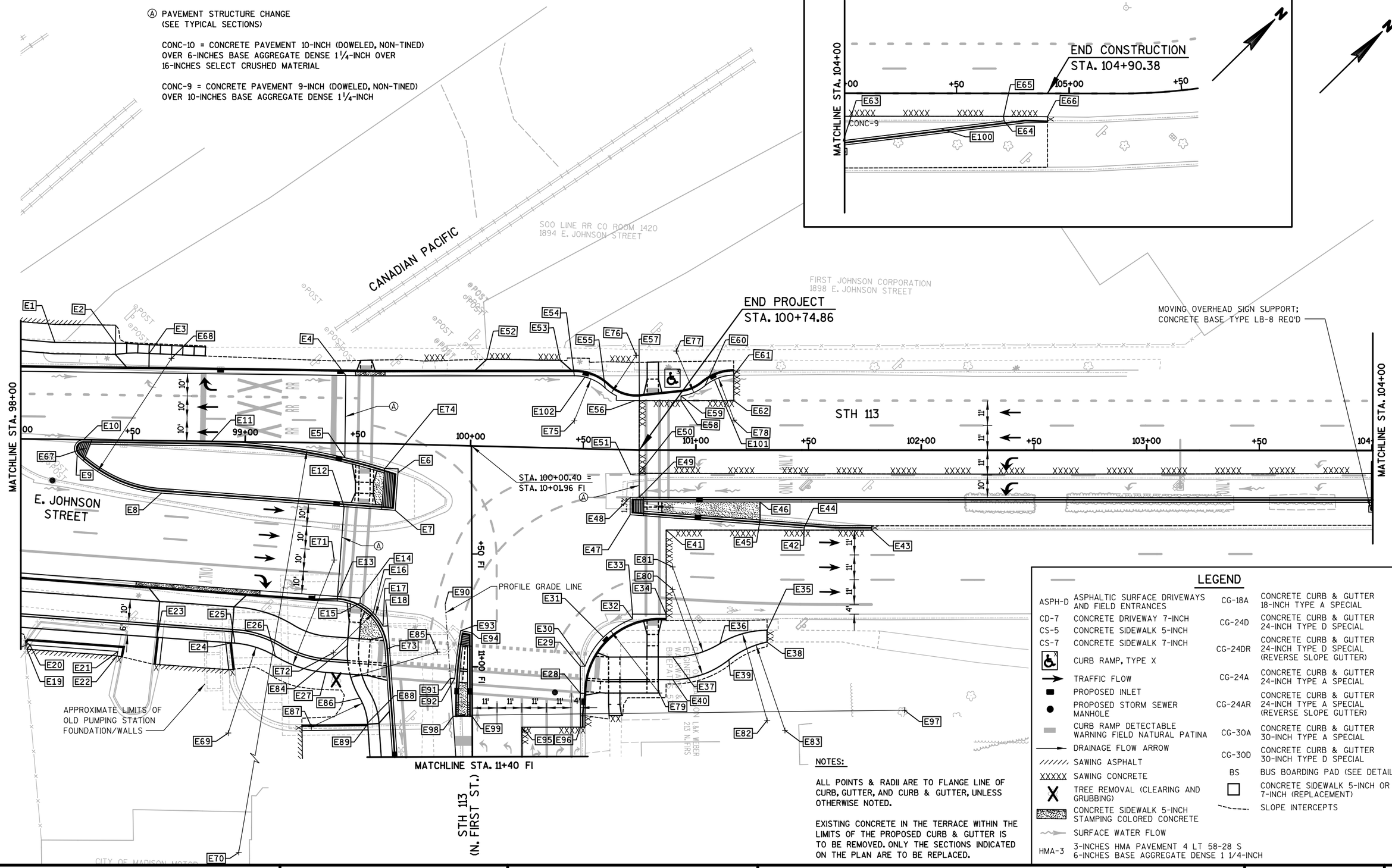


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - FIRST STREET INTERSECTION JOINT LAYOUT	SHEET 75	E

Ⓐ PAVEMENT STRUCTURE CHANGE
(SEE TYPICAL SECTIONS)

CONC-10 = CONCRETE PAVEMENT 10-INCH (DOWELED, NON-TINED)
OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH OVER
16-INCHES SELECT CRUSHED MATERIAL

CONC-9 = CONCRETE PAVEMENT 9-INCH (DOWELED, NON-TINED)
OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X		
	TRAFFIC FLOW	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	PROPOSED INLET		
	PROPOSED STORM SEWER MANHOLE	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	DRAINAGE FLOW ARROW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	SAWING ASPHALT		
XXXXX	SAWING CONCRETE	BS	BUS BOARDING PAD (SEE DETAILS)
X	TREE REMOVAL (CLEARING AND GRUBBING)		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		SLOPE INTERCEPTS
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

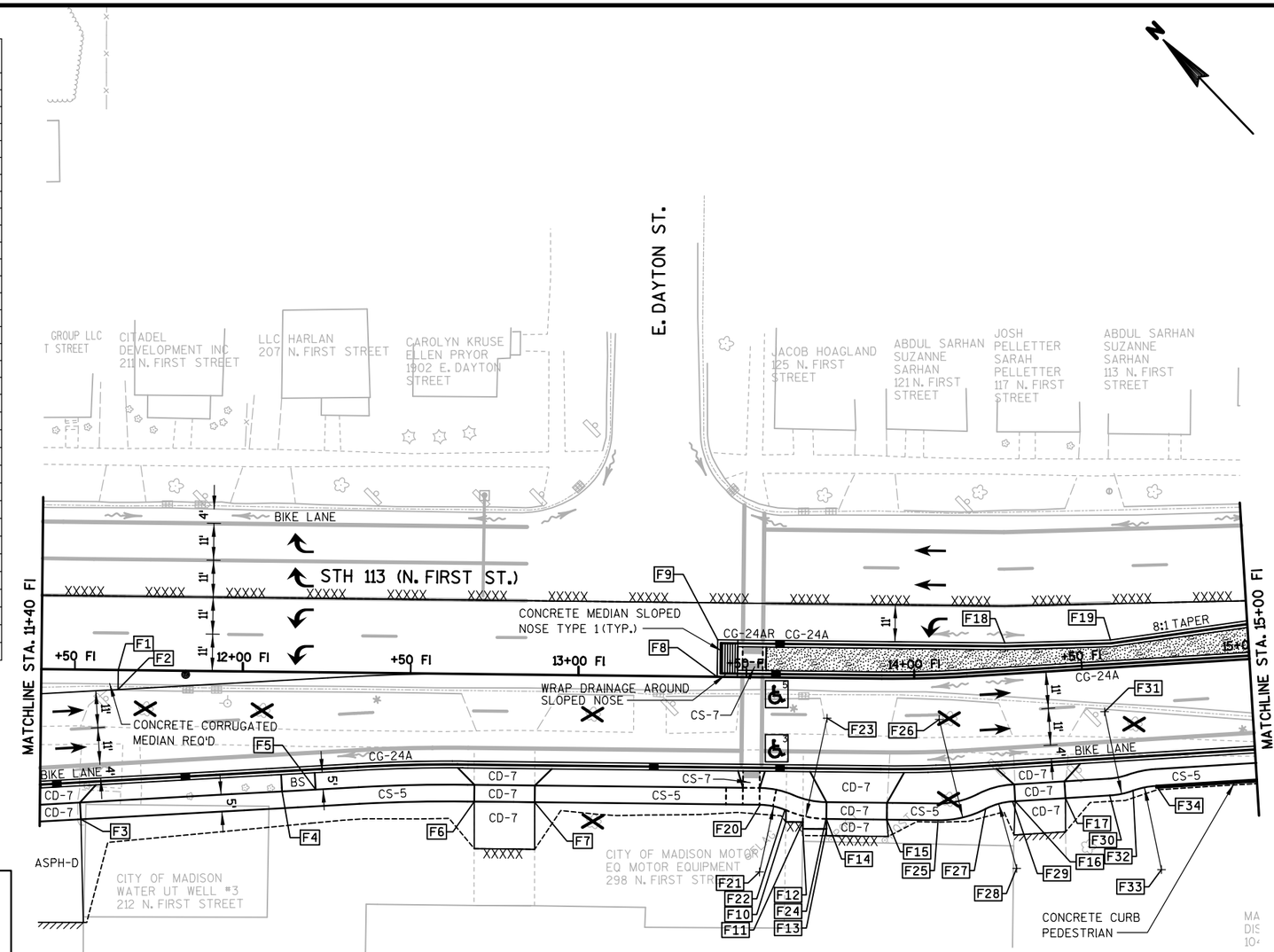
EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET 76	E

POINT NO.	EAST JOHNSON STREET		N. FIRST STREET		ELEV.	Y	X	REMARKS
	STATION	OFFSET	STATION	OFFSET				
E1	98+14.96	42.98'LT	---	---	851.96	489,855.50	826,850.11	BOW
E2	98+41.88	42.98'LT	---	---	851.52	489,874.44	826,869.24	BOW
E3	98+56.88	38.61'LT	---	---	---	489,881.88	826,882.97	MATCH EXIST.; FOW; BEGIN BUS STOP PAD
E4	99+44.28	30.00'LT	---	---	850.13	489,937.26	826,951.13	EOP; PAVEMENT STRUCTURE CHANGE
E5	99+44.28	6.45'RT	---	---	850.79	489,911.37	826,976.77	EOP; PAVEMENT STRUCTURE CHANGE
E6	99+68.10	12.70'RT	---	---	850.60	489,923.52	826,998.06	EOP; END RADIUS
E7	99+67.29	29.47'RT	---	---	850.31	489,910.90	827,009.13	EOP
E8	98+63.21	23.27'RT	---	---	851.46	489,842.37	826,931.01	EOP; END RADIUS
E9	98+25.53	6.90'RT	---	---	851.88	489,827.49	826,892.72	EOP; END RADIUS; BEGIN RADIUS
E10	98+28.29	0.00'RT	---	---	851.88	489,834.33	826,889.82	EOP; BEGIN RADIUS
E11	98+85.07	0.00'RT	---	---	851.26	489,874.29	826,930.17	EOP; BEGIN RADIUS
E12	99+44.28	28.18'RT	---	---	850.51	489,895.93	826,992.06	EOP; PAVEMENT STRUCTURE CHANGE
E13	99+41.86	68.10'RT	---	---	849.71	489,865.86	827,018.44	EOP; PAVEMENT STRUCTURE CHANGE
E14	99+52.02	68.72'RT	10+69.42 FI	49.47'RT	849.60	489,872.57	827,026.10	EOP
E15	99+51.89	70.88'RT	10+71.58 FI	49.64'RT	849.64	489,870.94	827,027.53	EOP; BEGIN RADIUS
E16	99+57.82	75.18'RT	10+75.97 FI	43.78'RT	849.60	489,872.06	827,034.76	EOP; MIDPOINT OF RADIUS
E17	99+63.21	80.98'RT	10+81.87 FI	39.45'RT	849.55	489,871.04	827,042.01	EOP; END RADIUS
E18	99+65.37	80.78'RT	10+81.73 FI	37.28'RT	849.52	489,872.69	827,043.42	EOP
E19	98+04.38	93.35'RT	---	---	---	489,751.18	826,938.52	MATCH EXIST.; EOP
E20	98+05.73	91.42'RT	---	---	---	489,753.50	826,938.12	MATCH EXIST.; EOP
E21	98+44.75	93.79'RT	---	---	852.02	489,779.28	826,967.52	EOP
E22	98+44.38	95.77'RT	---	---	---	489,777.61	826,968.65	MATCH EXIST.; EOP
E23	98+61.99	87.32'RT	---	---	851.39	489,796.01	826,975.21	BOW
E24	98+95.06	89.32'RT	---	---	851.00	489,817.85	827,000.11	BOW
E25	98+96.61	89.41'RT	---	---	850.97	489,818.88	827,001.28	BOW; BEGIN RADIUS
E26	99+14.63	94.95'RT	---	---	850.52	489,827.62	827,017.99	BOW; END RADIUS; BEGIN RADIUS
E27	99+37.16	101.88'RT	---	---	850.25	489,838.55	827,038.87	BOW; END RADIUS
E28	100+51.46	108.57'RT	11+11.93 FI	48.00'LT	849.07	489,912.56	827,124.63	EOP
E29	100+51.13	96.58'RT	10+99.93 FI	48.00'LT	849.08	489,920.95	827,116.05	EOP
E30	100+53.25	96.52'RT	10+99.93 FI	50.12'LT	849.01	489,922.47	827,117.53	EOP; BEGIN RADIUS
E31	100+61.10	83.46'RT	10+87.09 FI	58.34'LT	848.93	489,937.32	827,114.10	EOP; MIDPOINT OF RADIUS; LOW POINT
E32	100+73.76	74.97'RT	10+78.96 FI	71.23'LT	849.32	489,952.22	827,117.30	EOP; END RADIUS
E33	100+73.72	72.85'RT	10+76.84 FI	71.25'LT	849.36	489,953.71	827,115.79	EOP
E34	100+86.84	72.86'RT	---	---	---	489,964.29	827,126.29	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
E35	101+31.65	79.94'RT	---	---	---	489,991.26	827,162.77	MATCH EXIST.; FOW; END RADIUS
E36	101+10.71	85.89'RT	---	---	850.04	489,972.17	827,152.32	FOW; END RADIUS; BEGIN RADIUS
E37	100+89.76	91.84'RT	---	---	850.04	489,953.06	827,141.87	FOW; BEGIN RADIUS
E38	101+31.65	85.17'RT	---	---	---	489,987.60	827,166.50	MATCH EXIST.; BOW
E39	101+14.67	93.10'RT	---	---	850.16	489,969.92	827,160.24	BOW; END RADIUS; BEGIN RADIUS
E40	100+89.78	101.84'RT	---	---	850.19	489,946.06	827,149.00	BOW; BEGIN RADIUS
E41	100+86.84	35.50'RT	---	---	---	489,990.51	827,099.67	MATCH EXIST.; EOP
E42	101+48.07	35.50'RT	---	---	---	490,034.14	827,142.62	MATCH EXIST.; EOP
E43	101+78.07	35.50'RT	---	---	---	490,055.51	827,163.67	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
E44	101+48.07	34.47'RT	---	---	850.36	490,034.86	827,141.89	EOP
E45	101+28.50	31.00'RT	---	---	---	490,023.35	827,125.69	END STAMPING COLORED CONCRETE
E46	101+28.50	23.00'RT	---	---	---	490,028.96	827,119.98	END STAMPING COLORED CONCRETE
E47	100+71.57	28.78'RT	---	---	850.01	489,983.89	827,083.61	EOP
E48	100+71.38	21.09'RT	---	---	850.11	489,989.29	827,078.13	EOP
E49	100+74.86	21.00'RT	---	---	850.11	489,992.14	827,080.93	EOP; PAVEMENT STRUCTURE CHANGE
E50	100+74.86	10.38'RT	---	---	---	489,999.59	827,073.36	MATCH EXIST.; EOP
E51	100+71.38	11.00'RT	---	---	850.25	489,996.54	827,071.11	CROWN LOCATION
E52	100+06.23	38.56'LT	---	---	---	489,986.87	826,989.82	MATCH EXIST.; FOW

POINT NO.	EAST JOHNSON STREET		N. FIRST STREET		ELEV.	Y	X	REMARKS
	STATION	OFFSET	STATION	OFFSET				
E53	100+38.87	38.93'LT	---	---	---	490,009.83	827,013.03	MATCH EXIST.; FOW
E54	100+45.22	32.25'LT	---	---	849.44	490,009.44	827,022.24	EOP; BEGIN RADIUS
E55	100+59.12	27.12'LT	---	---	849.57	490,015.42	827,035.80	EOP; END RADIUS; BEGIN RADIUS
E56	100+72.62	21.98'LT	---	---	849.70	490,021.11	827,049.07	EOP; END RADIUS
E57	100+74.32	21.99'LT	---	---	---	490,022.31	827,050.29	MATCH EXIST.; EOP
E58	100+93.39	22.00'LT	---	---	---	490,035.51	827,063.29	MATCH EXIST.; EOP
E59	100+93.39	24.05'LT	---	---	849.65	490,036.95	827,061.83	EOP; BEGIN RADIUS
E60	101+04.09	28.60'LT	---	---	849.40	490,047.76	827,066.09	EOP; END RADIUS; BEGIN RADIUS
E61	101+16.77	33.26'LT	---	---	---	490,060.07	827,071.66	MATCH EXIST.; EOP; END RADIUS
E62	101+16.77	22.00'LT	---	---	---	490,052.17	827,079.69	MATCH EXIST.; EOP
E63	103+99.86	21.00'RT	---	---	851.23	490,223.75	827,308.93	EOP; BEGIN TAPER
E64	104+71.14	12.20'RT	---	---	851.24	490,280.71	827,352.67	EOP
E65	104+70.90	10.22'RT	---	---	---	490,281.93	827,351.08	MATCH EXIST.; EOP
E66	104+90.38	10.38'RT	---	---	---	490,295.70	827,364.86	MATCH EXIST.; END CONCRETE CURB & GUTTER
E67	98+28.29	4.00'RT	---	---	---	489,831.49	826,892.64	R=4'
E68	98+66.84	36.62'LT	---	---	---	489,887.48	826,891.45	R=60'
E69	98+94.19	129.34'RT	---	---	---	489,788.81	827,027.66	R=40'
E70	98+85.07	275.00'RT	---	---	---	489,678.89	827,123.67	R=275'
E71	99+40.18	51.97'RT	---	---	---	489,876.14	827,005.90	R=50'
E72	99+40.35	93.06'RT	10+93.57 FI	61.54'RT	---	489,847.06	827,034.93	R=25'
E73	99+65.34	91.02'RT	10+91.97 FI	37.60'RT	849.44	489,865.30	827,050.53	FOC; END RADIUS
E74	99+62.27	11.00'RT	---	---	850.68	489,920.69	826,992.68	EOP; CROWN LOCATION
E75	100+45.74	12.26'LT	---	---	---	489,995.44	827,036.51	R=20'
E76	100+72.51	41.98'LT	---	---	---	490,035.41	827,035.08	R=20'
E77	100+91.25	43.94'LT	---	---	---	490,049.38	827,046.15	R=20'
E78	101+16.92	13.26'LT	---	---	---	490,046.15	827,086.02	R=20'
E79	100+83.81	107.85'RT	11+11.93 FI	83.00'LT	---	489,937.59	827,149.10	R=35'
E80	100+89.72	61.84'RT	---	---	---	489,974.07	827,120.46	R=40'
E81	100+89.72	51.84'RT	---	---	---	489,981.09	827,113.33	R=40'
E82	101+31.71	119.94'RT	---	---	---	489,963.24	827,191.32	R=40'
E83	101+39.62	124.37'RT	---	---	---	489,965.77	827,200.02	R=40'
E84	---	---	10+90.38 FI	55.28'RT	849.91	489,853.77	827,037.03	BOW; BEGIN RADIUS
E85	---	---	10+93.44 FI	15.39'RT	---	489,880.15	827,067.10	R=40'
E86	---	---	11+13.77 FI	49.84'RT	850.04	489,841.31	827,057.55	BOW; END RADIUS; BEGIN RADIUS
E87	---	---	11+26.47 FI	71.38'RT	---	489,817.03	827,051.58	R=25'
E88	---	---	11+24.81 FI	46.43'RT	849.92	489,836.03	827,067.83	BOW; END RADIUS
E89	---	---	11+25.35 FI	46.39'RT	849.92	489,835.68	827,068.25	BOW
E90	99+90.53	70.65'RT	10+72.31 FI	11.85'RT	849.42	489,897.46	827,054.47	PROFILE GRADE LINE LOCATION
E91	---	---	11+05.14 FI	9.66'RT	849.62	489,876.08	827,079.47	EOP; PROFILE GRADE LINE LOCATION
E92	---	---	11+05.01 FI	7.68'RT	849.66	489,877.58	827,080.76	EOP
E93	---	---	10+83.95 FI	4.98'RT	849.48	489,894.23	827,067.59	EOP; BEGIN RADIUS
E94	---	---	10+84.86 FI	0.00'RT	849.48	489,897.16	827,071.72	EOP
E95	---	---	11+26.93 FI	22.00'LT	---	489,883.48	827,117.18	MATCH EXIST.; EOP
E96	---	---	11+26.93 FI	48.00'LT	---	489,902.08	827,135.36	MATCH EXIST.; EOP
E97	---	---	11+19.87 FI	191.77'LT	---	490,009.82	827,230.81	RADIUS AT FACE OF CURB=199'
E98	---	---	11+22.00 FI	8.53'RT	849.73	489,865.09	827,092.32	EOP; END CONCRETE CURB & GUTTER; BEGIN CONCRETE CORRUGATED MEDIAN
E99	---	---	11+22.00 FI	0.00'RT	849.89	489,871.20	827,098.28	EOP; END CONCRETE CURB & GUTTER; BEGIN CONCRETE CORRUGATED MEDIAN
E100	104+43.02	15.67'RT	---	---	851.41	490,258.24	827,335.41	EOP; HIGH POINT
E101	101+08.22	31.27'LT	---	---	849.29	490,052.58	827,067.08	EOP; LOW POINT
E102	100+50.00	31.80'LT	---	---	849.42	490,012.44	827,025.99	EOP; LOW POINT

POINT NO.	N. FIRST STREET		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
F1	11+62.90 FI	0.00'RT	850.09	489,842.61	827,127.53	EOP; END CONCRETE CORRUGATED MEDIAN
F2	11+62.90 FI	5.81'RT	849.99	489,838.45	827,123.47	EOP; END CONCRETE CORRUGATED MEDIAN
F3	11+52.29 FI	44.60'RT	849.96	489,818.13	827,088.77	BOW
F4	12+12.10 FI	35.60'RT	850.22	489,782.75	827,137.83	FOW; BEGIN BUS STOP PAD
F5	12+22.08 FI	34.93'RT	850.27	489,776.25	827,145.43	FOW; END BUS STOP PAD
F6	12+69.36 FI	38.00'RT	850.57	489,741.01	827,177.09	BOW
F7	12+87.36 FI	38.00'RT	850.64	489,728.43	827,189.97	BOW
F8	13+41.32 FI	0.00'RT	850.81	489,717.89	827,255.11	EOP
F9	13+41.32 FI	11.00'LT	850.47	489,725.75	827,262.80	EOP
F10	13+62.24 FI	43.00'RT	---	489,672.51	827,240.02	MATCH EXIST.
F11	13+67.31 FI	43.00'RT	---	489,668.97	827,243.64	MATCH EXIST.
F12	13+67.32 FI	45.00'RT	---	489,667.53	827,242.25	MATCH EXIST.
F13	13+74.36 FI	45.00'RT	851.70	489,662.61	827,247.28	BEGIN SIDEWALK
F14	13+74.28 FI	42.00'RT	851.48	489,656.46	827,255.63	BOW
F15	13+92.07 FI	42.00'RT	851.56	489,652.23	827,262.19	BOW
F16	14+27.78 FI	38.00'RT	851.19	489,629.74	827,293.63	BOW
F17	14+42.78 FI	38.00'RT	851.11	489,620.06	827,305.09	BOW
F18	14+27.61 FI	9.24'LT	850.89	489,665.94	827,323.99	EOP
F19	14+59.07 FI	8.20'LT	850.85	489,644.84	827,347.34	EOP; BEGIN TAPER
F20	13+54.58 FI	38.00'RT	850.81	489,681.32	827,238.16	BOW; BEGIN RADIUS
F21	13+54.58 FI	58.00'RT	---	489,667.14	827,224.05	R=20'
F22	13+61.94 FI	39.40'RT	851.18	489,675.30	827,242.31	BOW; END RADIUS; BEGIN RADIUS
F23	13+74.18 FI	12.00'RT	---	489,686.33	827,270.22	R=30'
F24	13+74.18 FI	42.00'RT	851.48	489,664.88	827,249.25	BOW; END RADIUS
F25	14+05.73 FI	42.38'RT	852.31	489,641.52	827,273.14	BOW; BEGIN RADIUS
F26	14+07.01 FI	12.41'RT	---	489,662.98	827,294.11	R=30'
F27	14+18.87 FI	39.72'RT	851.62	489,634.18	827,285.72	BOW; END RADIUS; BEGIN RADIUS
F28	14+26.98 FI	58.00'RT	---	489,614.98	827,280.12	R=20'
F29	14+26.98 FI	38.00'RT	851.23	489,630.25	827,293.02	BOW; END RADIUS
F30	14+56.00 FI	38.00'RT	851.18	489,611.53	827,315.19	BOW; BEGIN RADIUS
F31	14+56.00 FI	13.00'RT	---	489,630.63	827,331.33	R=25'
F32	14+63.00 FI	37.00'RT	851.12	489,607.77	827,321.19	BOW; END RADIUS; BEGIN RADIUS
F33	14+70.00 FI	61.00'RT	---	489,584.92	827,311.05	R=25'
F34	14+70.00 FI	36.00'RT	851.41	489,596.01	827,323.42	BOW; END RADIUS; BEGIN CONCRETE CURB PEDESTRIAN



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	TRAFFIC FLOW		
	PROPOSED INLET	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	PROPOSED STORM SEWER MANHOLE	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	DRAINAGE FLOW ARROW	BS	BUS BOARDING PAD (SEE DETAILS)
	SAWING ASPHALT		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
XXXXX	SAWING CONCRETE		SLOPE INTERCEPTS
X	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

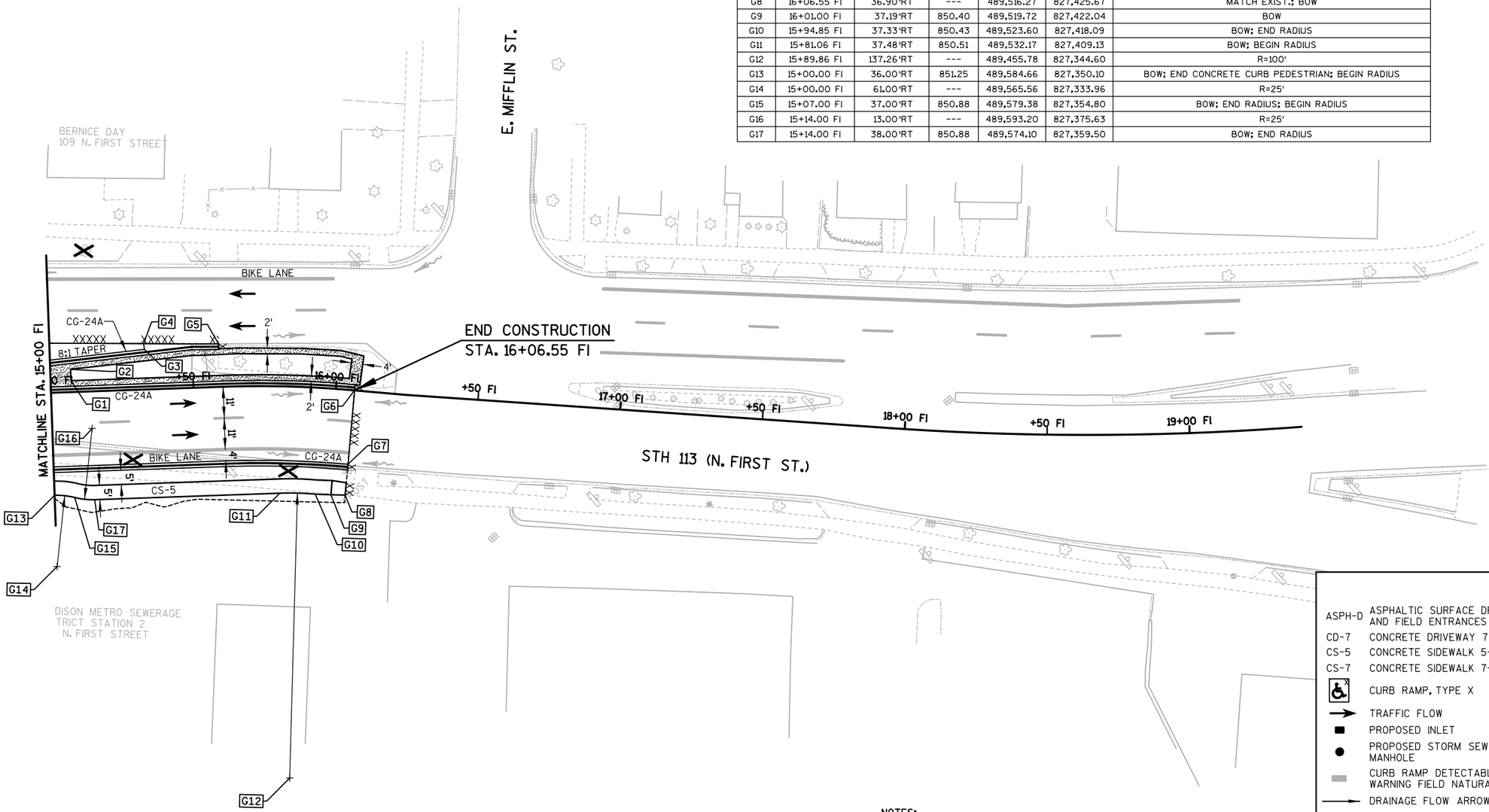
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - NORTH FIRST STREET	SHEET 78	E

POINT NO.	N. FIRST STREET		ELEV.	Y	X	REMARKS
	STATION	OFFSET				
G1	15+07.14 Fl	4.00'LT	---	489,610.61	827,381.36	END STAMPING COLORED CONCRETE
G2	15+07.14 Fl	7.99'LT	---	489,613.66	827,383.94	END STAMPING COLORED CONCRETE
G3	15+33.25 Fl	14.08'LT	850.73	489,601.46	827,407.81	EOP
G4	15+33.09 Fl	16.07'LT	---	489,603.09	827,408.97	MATCH EXIST.; EOP
G5	15+59.34 Fl	15.11'LT	---	489,585.42	827,428.41	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
G6	16+06.55 Fl	0.00'RT	---	489,541.30	827,452.79	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
G7	16+06.55 Fl	26.00'RT	---	489,523.66	827,433.68	MATCH EXIST.; EOP; END CONCRETE CURB & GUTTER
G8	16+06.55 Fl	36.90'RT	---	489,516.27	827,425.67	MATCH EXIST.; BOW
G9	16+01.00 Fl	37.19'RT	850.40	489,519.72	827,422.04	BOW
G10	15+94.85 Fl	37.33'RT	850.43	489,523.60	827,418.09	BOW; END RADIUS
G11	15+81.06 Fl	37.48'RT	850.51	489,532.17	827,409.13	BOW; BEGIN RADIUS
G12	15+89.86 Fl	137.26'RT	---	489,455.78	827,344.60	R=100'
G13	15+00.00 Fl	36.00'RT	851.25	489,584.66	827,350.10	BOW; END CONCRETE CURB PEDESTRIAN; BEGIN RADIUS
G14	15+00.00 Fl	61.00'RT	---	489,565.56	827,333.96	R=25'
G15	15+07.00 Fl	37.00'RT	850.88	489,579.38	827,354.80	BOW; END RADIUS; BEGIN RADIUS
G16	15+14.00 Fl	13.00'RT	---	489,593.20	827,375.63	R=25'
G17	15+14.00 Fl	38.00'RT	850.88	489,574.10	827,359.50	BOW; END RADIUS



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18A	CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X		
	TRAFFIC FLOW	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	PROPOSED INLET		
	PROPOSED STORM SEWER MANHOLE	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	DRAINAGE FLOW ARROW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	SAWING ASPHALT		
XXXXX	SAWING CONCRETE	BS	BUS BOARDING PAD (SEE DETAILS)
	TREE REMOVAL (CLEARING AND GRUBBING)		CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		SLOPE INTERCEPTS
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - NORTH FIRST STREET	SHEET 79	E

2

N. BALDWIN ST.

MARSTON AVE.

PROTECT EXISTING NATIVE PLANTINGS (DELINEATE WITH SILT FENCE)

+50 75+00 +50 76+00 +50 77+00 +50 78+00 +50 79+00 +50 80

MATCHLINE STA. 80+00

E. JOHNSON STREET

N. BALDWIN ST.

S S ABANDONED PRIVATE STORM

LEGEND

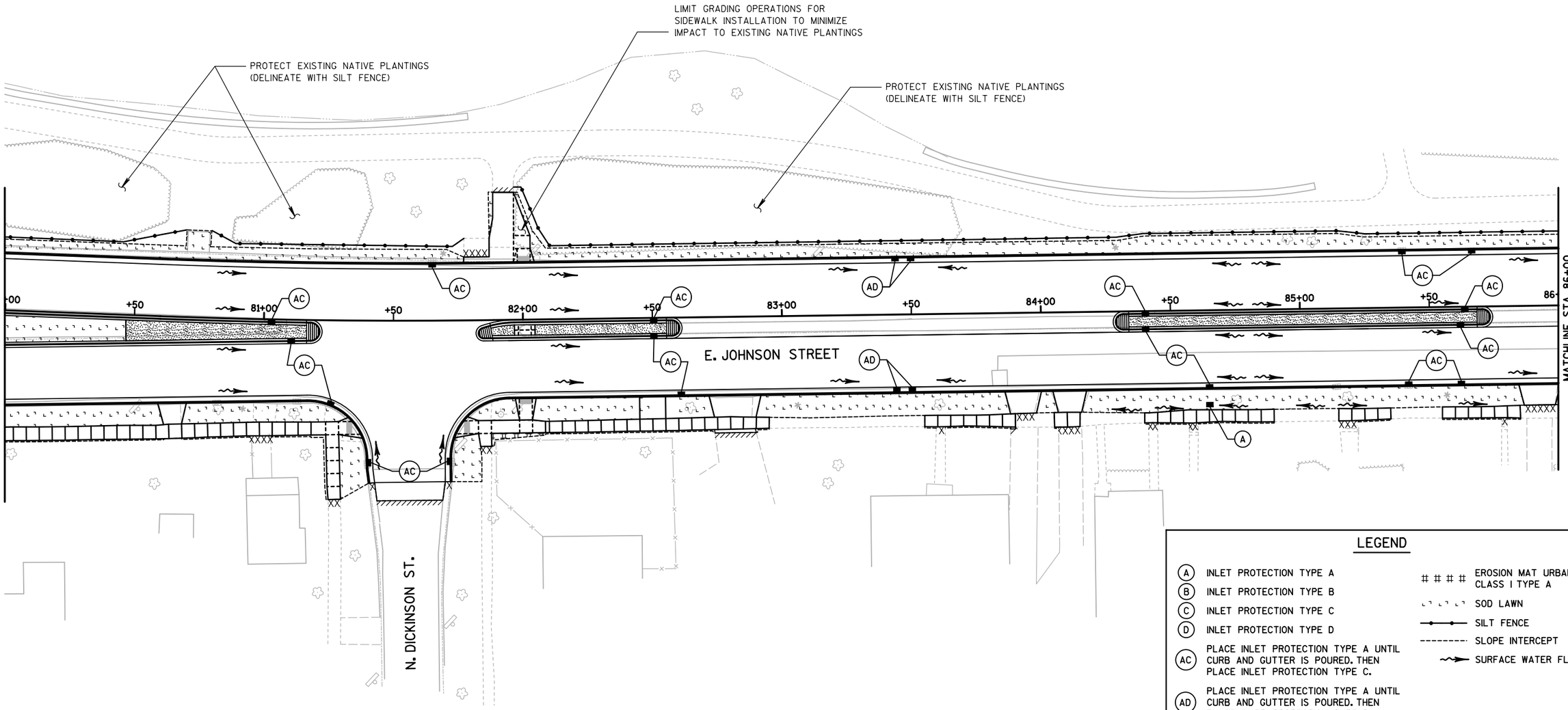
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - E. JOHNSON STREET	SHEET 80	E

2

2

TENNEY PARK LAGOON

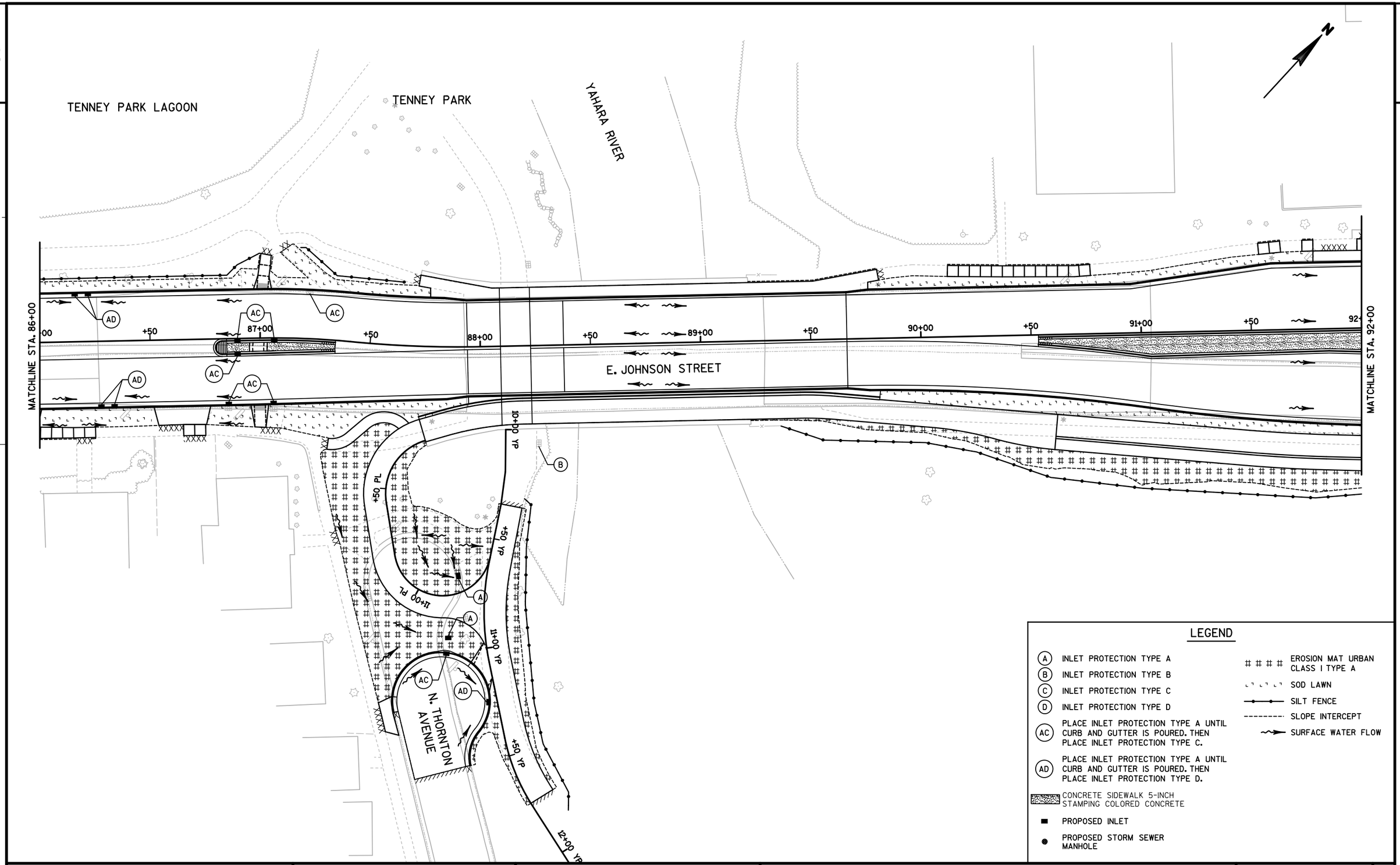


LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - E. JOHNSON STREET	SHEET	E

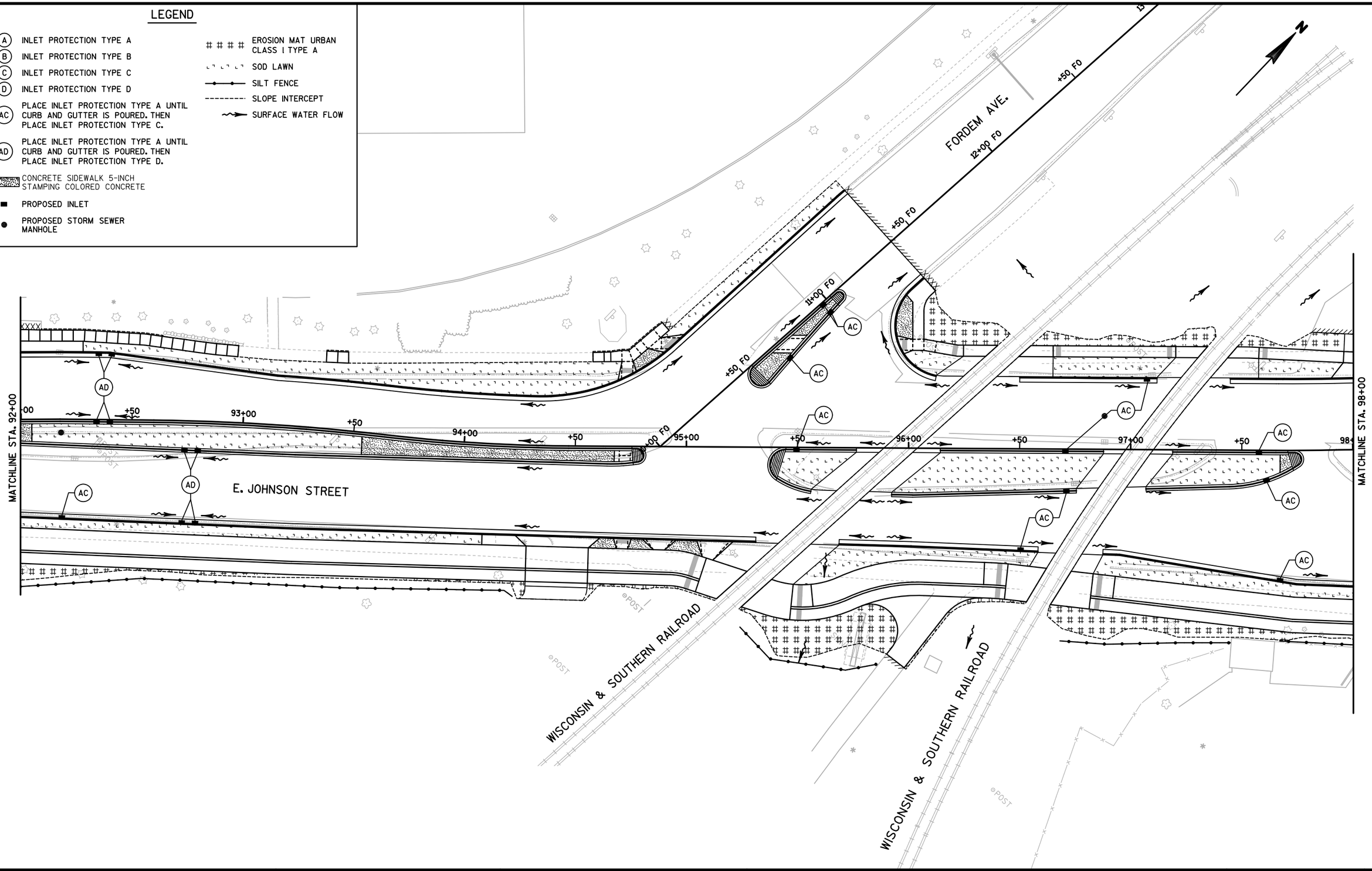
FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\022002_ec.dgn PLOT DATE : 10/9/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - E. JOHNSON STREET	SHEET 82	E

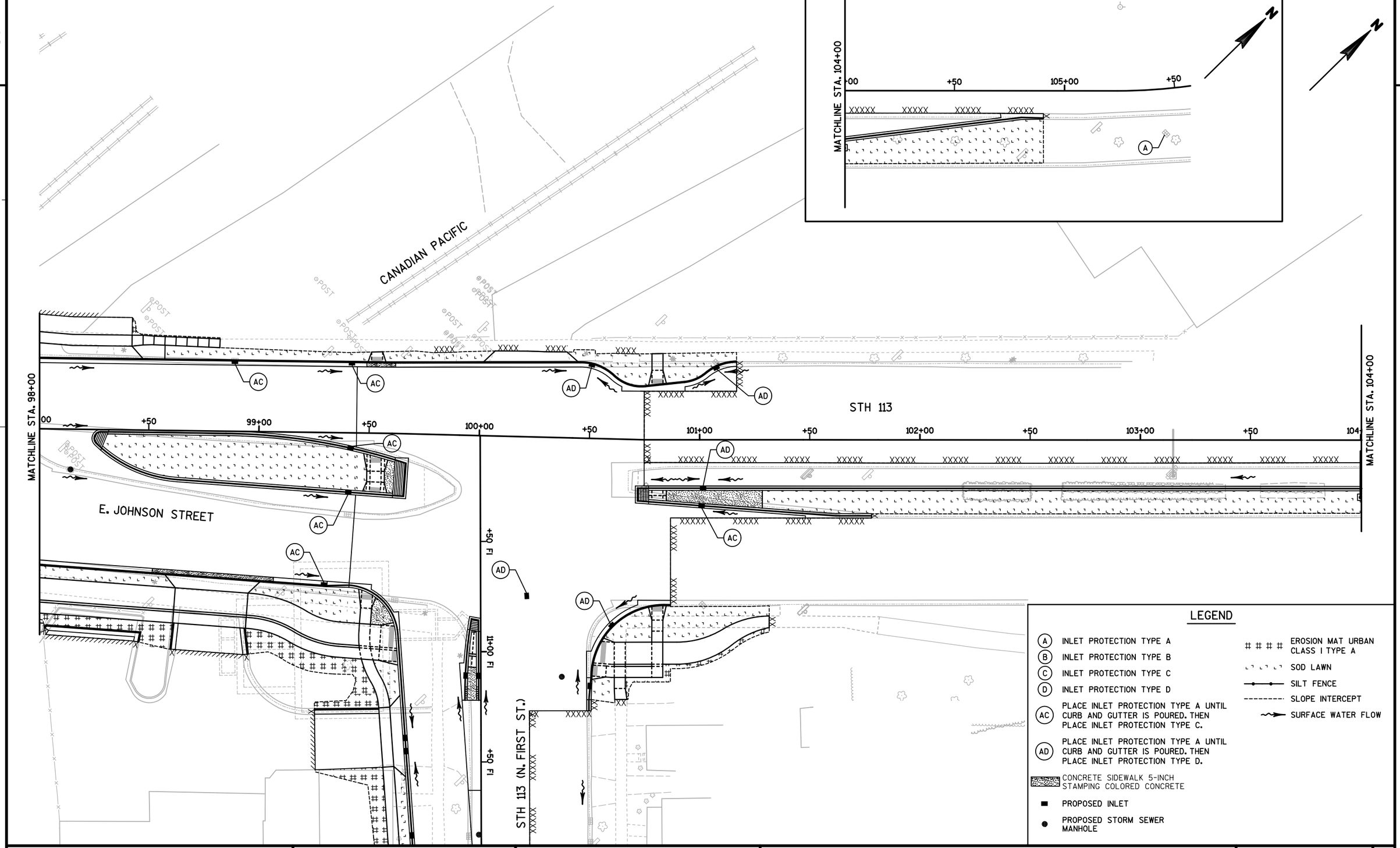
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW



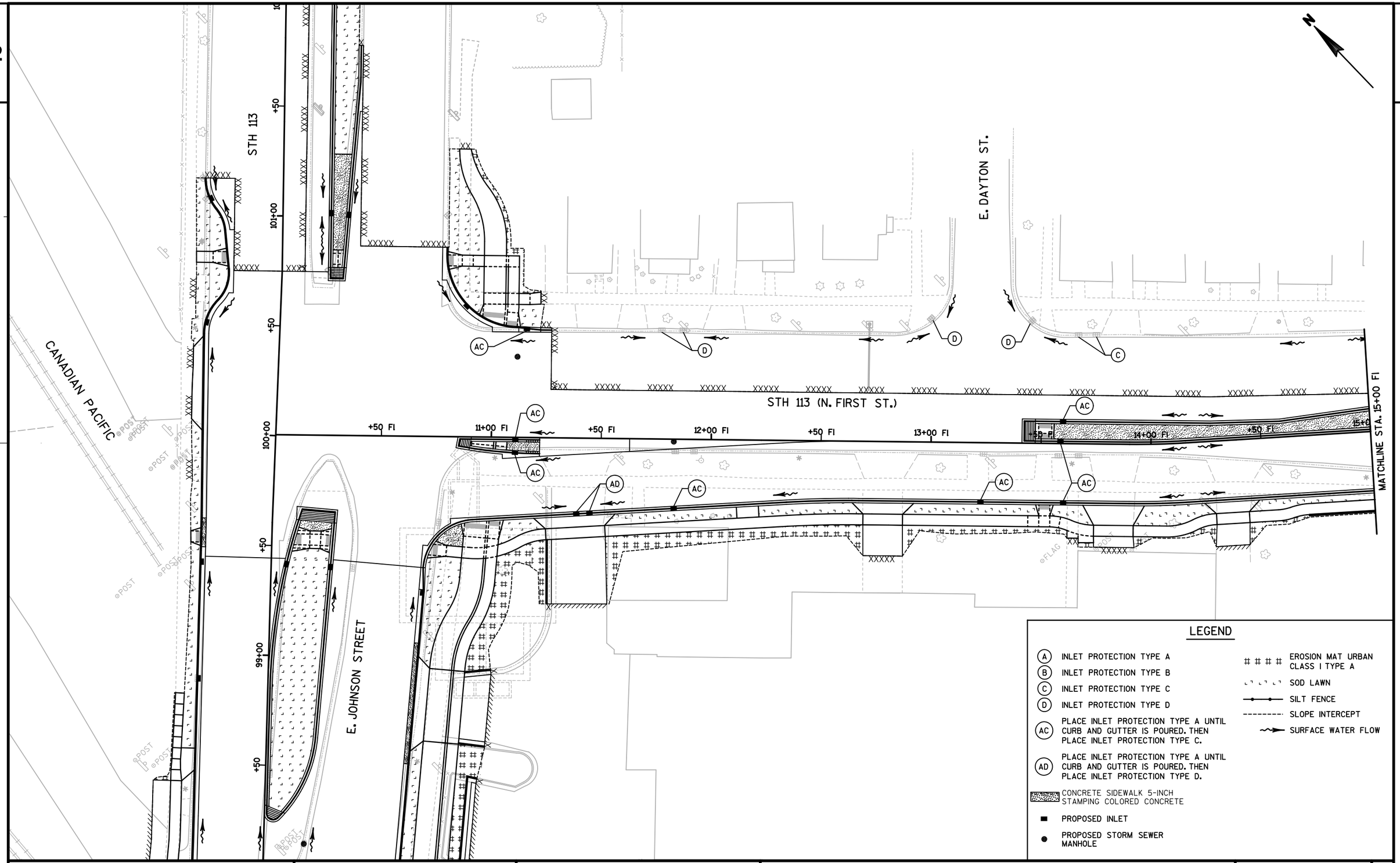
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - E. JOHNSON STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\022004_ec.dgn PLOT DATE : 7/13/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - E. JOHNSON STREET	SHEET 84	E

2



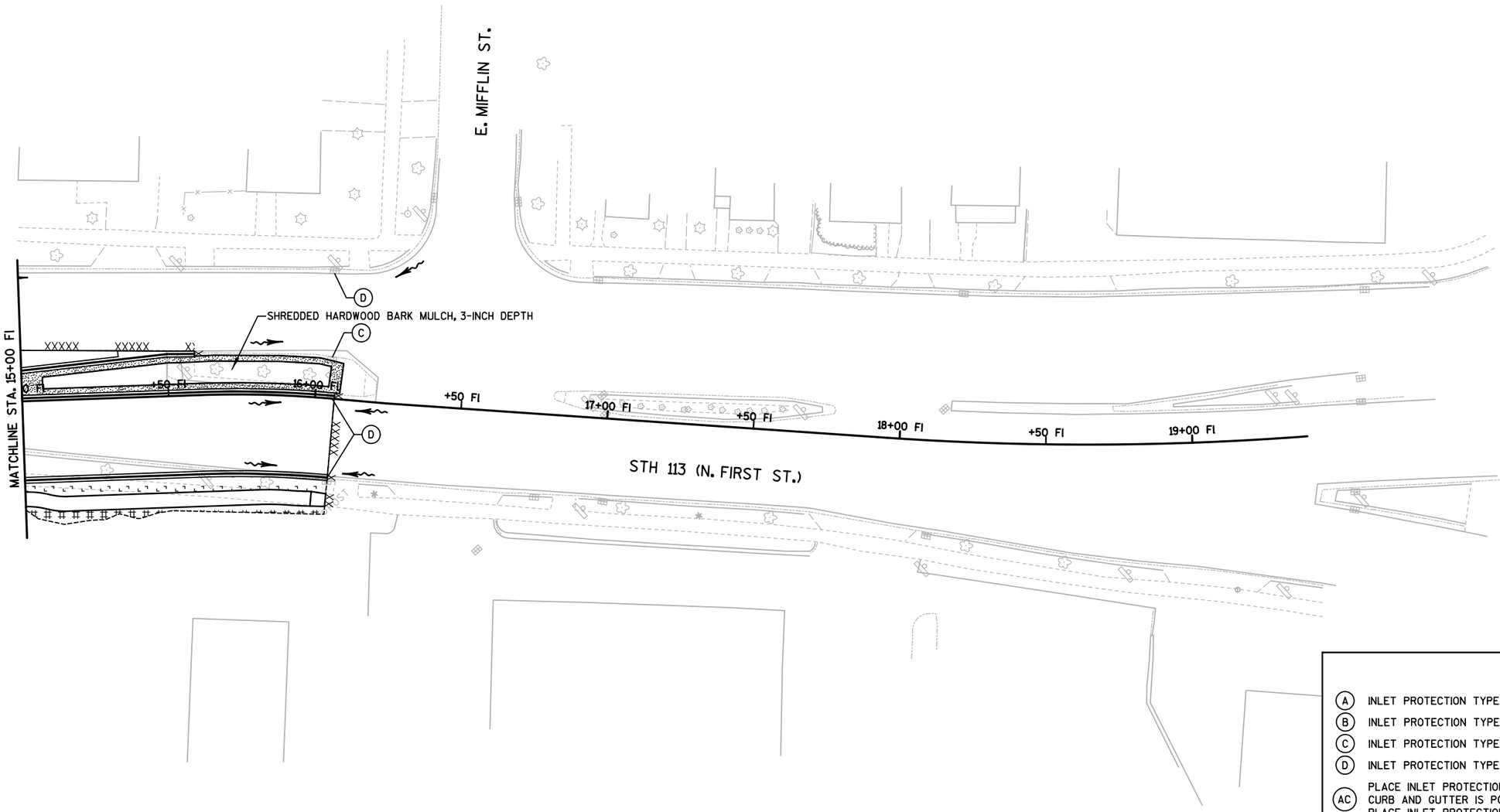
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - NORTH FIRST STREET	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\022006_ec.dgn PLOT DATE : 7/13/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

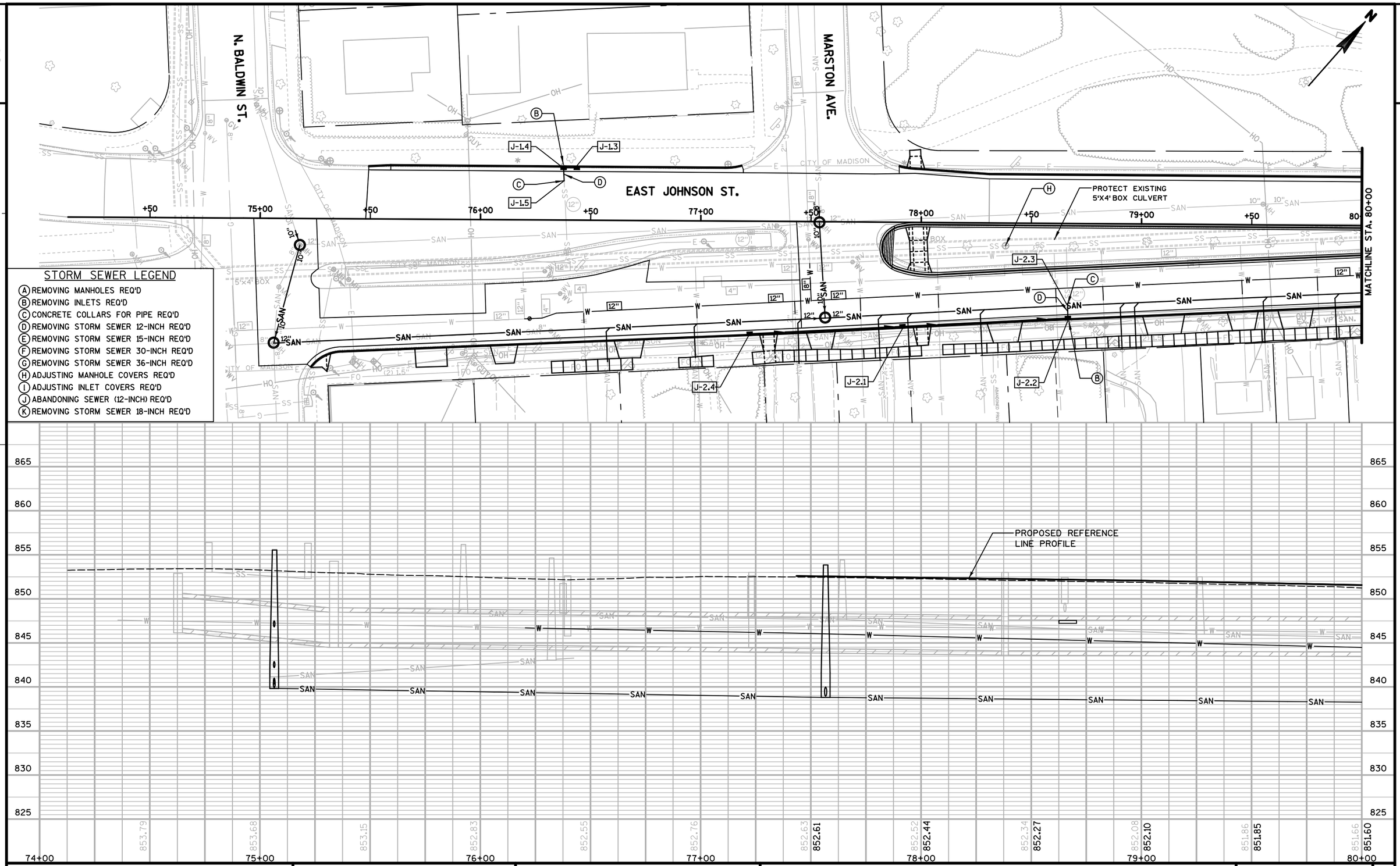


LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - NORTH FIRST STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\022007_ec.dgn PLOT DATE : 7/13/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



STORM SEWER LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 30-INCH REQ'D
- (G) REMOVING STORM SEWER 36-INCH REQ'D
- (H) ADJUSTING MANHOLE COVERS REQ'D
- (I) ADJUSTING INLET COVERS REQ'D
- (J) ABANDONING SEWER (12-INCH) REQ'D
- (K) REMOVING STORM SEWER 18-INCH REQ'D

PROJECT NO:5992-09-14	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER - E. JOHNSON STREET	SHEET 87 E

STORM SEWER LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 30-INCH REQ'D
- (G) REMOVING STORM SEWER 36-INCH REQ'D
- (H) ADJUSTING MANHOLE COVERS REQ'D
- (I) ADJUSTING INLET COVERS REQ'D
- (J) ABANDONING SEWER (12-INCH) REQ'D
- (K) REMOVING STORM SEWER 18-INCH REQ'D

*FIELD ADJUST INLET OFFSET AND CURB AND GUTTER FLOWLINE TO AVOID CONFLICT WITH EXISTING TRUNK BOX CULVERT

TENNEY PARK LAGOON

PROTECT EXISTING 5'X4' BOX CULVERT

EAST JOHNSON ST.

N. DICKINSON ST.

MATCHLINE STA. 80+00

MATCHLINE STA. 86+00

ABANDONING INLETS REQ'D

PROPOSED REFERENCE LINE PROFILE

PROJECT NO:5992-09-14	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER - E. JOHNSON STREET	SHEET 88 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\022502_ss.dgn | PLOT DATE : 10/12/2018 | PLOT BY : _username_ | PLOT NAME : | PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER PARKWAY

EAST JOHNSON ST.

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

MATCHLINE (SEE INSET)

MATCHLINE

J-5.7 J-5.8 J-6.7 J-6.6 J-6.4 J-6.5 J-6.2 J-6.3 J-4.9 J-4.10 J-6.1

YP-1.4 YP-1.5 YP-1.3 YP-1.2 YP-1.1

STORM SEWER LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 30-INCH REQ'D
- (G) REMOVING STORM SEWER 36-INCH REQ'D
- (H) ADJUSTING MANHOLE COVERS REQ'D
- (I) ADJUSTING INLET COVERS REQ'D
- (J) ABANDONING SEWER (12-INCH) REQ'D
- (K) REMOVING STORM SEWER 18-INCH REQ'D

PROPOSED REFERENCE LINE PROFILE

865 860 855 850 845 840 835 830

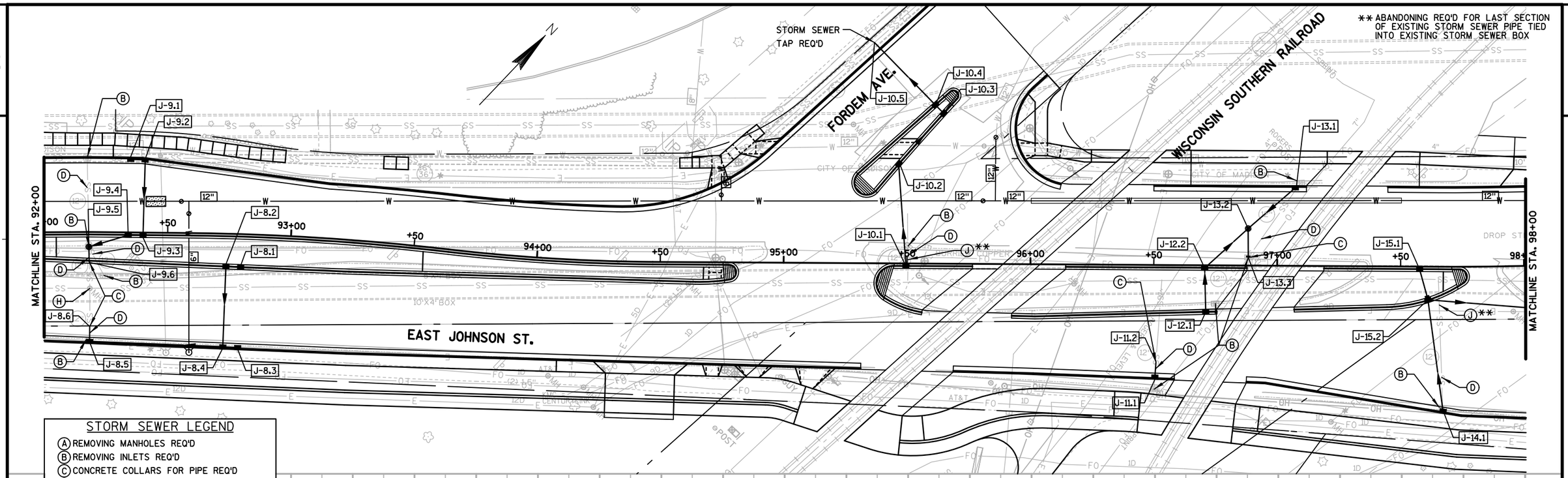
848.74	849.16	851.36	854.47	856.40	857.39	857.35	856.36	854.91	853.58	853.17	852.90	852.66
849.84	**850.05**	**851.98**	**854.86**	**856.72**	**857.61**	**857.59**	**856.63**	**855.12**	**853.98**	**853.50**	**853.28**	**853.06**
86+00		87+00		88+00		89+00		90+00		91+00		92+00

PROJECT NO:5992-09-14	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\022503_ss.dgn PLOT DATE : 10/12/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

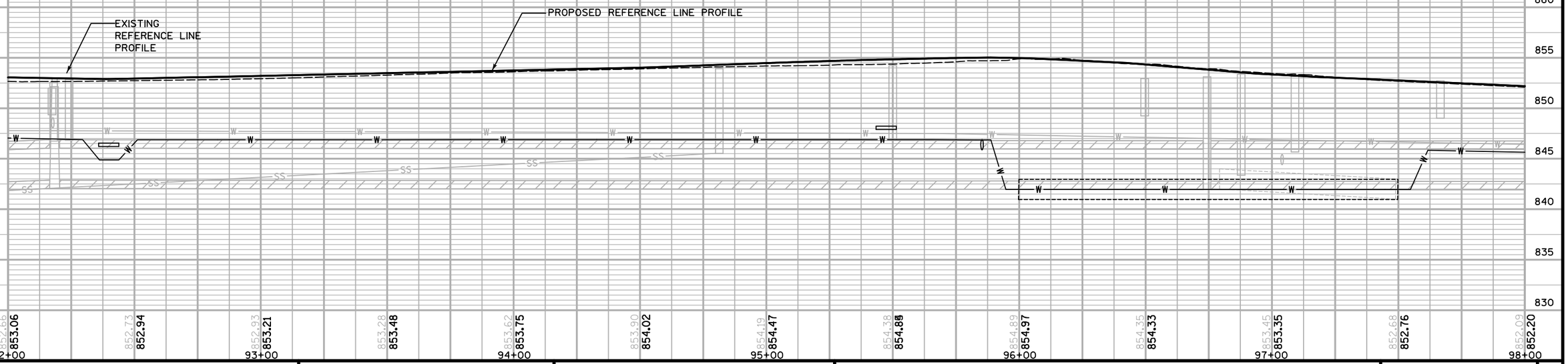
WISDOT/CADDS SHEET 41

2



STORM SEWER LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 30-INCH REQ'D
- (G) REMOVING STORM SEWER 36-INCH REQ'D
- (H) ADJUSTING MANHOLE COVERS REQ'D
- (I) ADJUSTING INLET COVERS REQ'D
- (J) ABANDONING SEWER (12-INCH) REQ'D
- (K) REMOVING STORM SEWER 18-INCH REQ'D



PROJECT NO:5992-09-14	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\022504_ss.dgn PLOT DATE : 10/12/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

*FIELD ADJUST PROPOSED INLET CASTING AND CURB AND GUTTER FLOWLINE TO ALIGN WITH EXISTING STORM SEWER INLET

MATCHLINE STA. 98+00

EAST JOHNSON ST.

STH 113 (N. FIRST ST.)

STH 113

J-15.3 J-15.4 J-16.1 J-16.2 J-16.3 J-17.3 J-17.5 J-17.8 J-17.4 J-17.2 J-17.1 J-17.6 J-17.7 J-18.4 J-18.3 J-18.2 J-18.1

STORM SEWER LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 30-INCH REQ'D
- (G) REMOVING STORM SEWER 36-INCH REQ'D
- (H) ADJUSTING MANHOLE COVERS REQ'D
- (I) ADJUSTING INLET COVERS REQ'D
- (J) ABANDONING SEWER (12-INCH) REQ'D
- (K) REMOVING STORM SEWER 18-INCH REQ'D

PROPOSED REFERENCE LINE PROFILE

EXISTING REFERENCE LINE PROFILE

870 865 860 855 850 845 840 835 830

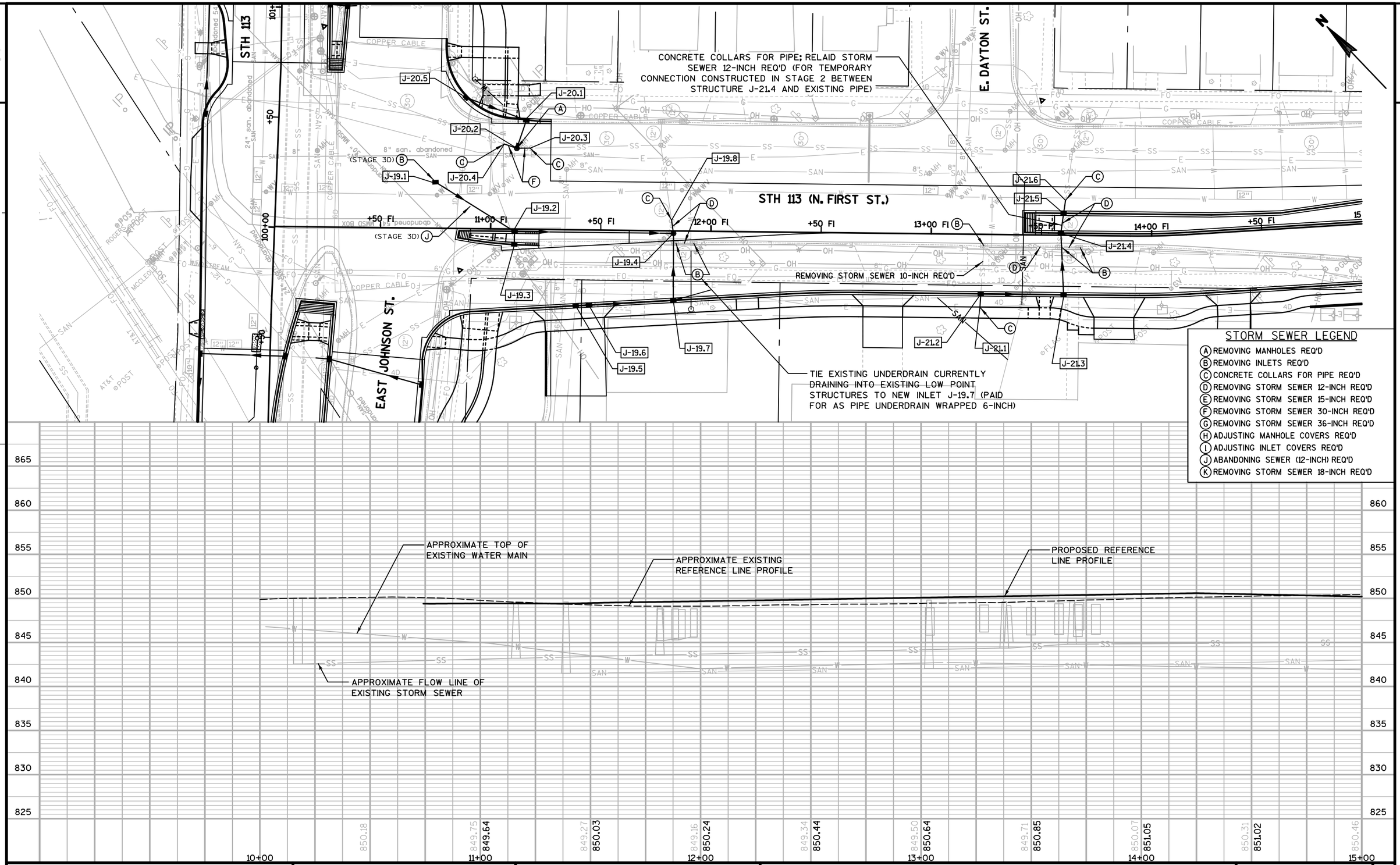
852.09 852.20 | 851.39 851.64 | 850.69 851.13 | 850.12 850.68 | 849.83 850.31 | 849.83 850.06 | 849.98 | 850.13 | 850.33 | 850.53

98+00 99+00 100+00

PROJECT NO:5992-09-14	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER - E. JOHNSON STREET	SHEET 91 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\022505_ss.dgn PLOT DATE : 10/12/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41



PROJECT NO:5992-09-14	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER - N. FIRST STREET	SHEET 92	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\022506_ss.dgn PLOT DATE : 10/12/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
J-1.3	76+43.56	23.6'LT	6.0	J-1.4	2X3-FT	H	-	-	851.85	851.02	2.90	12	848.12	848.09	6	0.50%	
J-1.4	76+37.55	23.6'LT	6.0	J-1.5	2X3-FT	H	-	-	851.87	851.04	2.95	12	848.09	848.06	6	0.50%	
J-1.5	76+37.86	17.7'LT	-	-	-	-	-	-	_	_	_	12	848.06	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-2.1	77+91.87	47.1'RT	75.2	J-2.2	2X3-FT	H	-	-	853.59	852.76	2.86	12	849.90	849.52	75	0.51%	
J-2.2	78+66.90	42.8'RT	6.0	J-2.3	2X3-FT	H	-	-	853.19	852.36	2.84	12	849.52	849.40	6	2.00%	
J-2.3	78+66.74	36.9'RT	-	-	-	-	-	-	-	-	-	12	849.40	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-2.4	77+22.49	51.0'RT	69.4	J-2.1	2X3-FT	H	-	-	854.12	853.29	3.04	12	850.25	849.90	69	0.51%	
J-3.1	81+71.13	54.4'RT	31.2	J-3.2	2X3-FT	H	-	-	852.56	851.73	4.90	12	846.83	846.21	31	2.00%	
J-3.2	81+40.80	54.9'RT	27.2	J-3.3	4-FT	H	-	-	852.62	851.79	6.29	12	845.50	845.36	27	0.52%	FLAT TOP 2'X3' OPENING REQ'D
J-3.3	81+26.02	32.1'RT	28.6	J-3.4	4-FT	H	-	-	851.45	850.62	5.26	12	845.36	844.99	29	1.29%	FLAT TOP 2'X3' OPENING REQ'D
J-3.4	81+10.65	8.2'RT	10.5	J-3.7	4-FT	H	-	-	851.17	850.34	5.34	12	845.00	844.95	10	0.50%	FLAT TOP 2'X3' OPENING REQ'D
J-3.5	82+50.49	1.0'RT	5.8	J-3.6	2X3-FT	H	-	-	850.15	849.32	3.63	12	845.69	845.66	6	0.50%	
J-3.6	82+50.49	7.0'RT	140.1	J-3.4	2X3-FT	H	-	-	850.24	849.41	3.75	12	845.66	845.00	140	0.47%	
J-3.7	81+02.94	1.0'RT	-	-	2X3-FT	H	-	-	850.92	850.09	5.14	-	844.95	-	-	-	CONNECT TO EXISTING 12" DIA. PIPE. CONCRETE COLLARS FOR PIPE REQ'D. OFFSET INLET & ADJUST FLOW LINE TO AVOID CONFLICT WITH EXIST. BOX CUVLERT.
J-3.8	82+60.78	29.5'RT	24.9	J-3.6	2X3-FT	H	-	-	850.03	849.20	3.42	12	845.78	845.66	25	0.48%	
J-3.9	83+44.01	29.5'RT	83.2	J-3.8	2X3-FT	H-S	-	-	849.28	848.45	2.29	12	846.16	845.78	83	0.46%	
J-3.10	83+50.00	29.5'RT	6.0	J-3.9	2X3-FT	H-S	-	-	849.25	848.42	2.23	12	846.19	846.16	6	0.50%	
J-4.1	85+61.98	7.0'RT	22.7	J-4.2	2X3-FT	H	-	-	849.87	849.04	4.29	12	844.75	844.63	23	0.52%	
J-4.2	85+62.02	29.5'RT	20.3	J-4.3	4-FT	H	-	-	849.44	848.61	3.98	15	844.63	844.53	20	0.50%	FLAT TOP 2'X3' OPENING REQ'D
J-4.3	85+41.69	29.5'RT	6.0	J-4.4	4-FT	H	-	-	849.53	848.70	4.17	15	844.53	844.44	6	1.50%	FLAT TOP 2'X3' OPENING REQ'D
J-4.4	85+41.62	23.6'RT	-	-	-	-	-	-	-	-	-	15	844.44	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-4.5	84+64.79	29.5'RT	76.9	J-4.3	4-FT	H	-	-	849.74	848.91	3.99	15	844.92	844.53	77	0.51%	FLAT TOP 2'X3' OPENING REQ'D
J-4.6	84+64.79	36.5'RT	6.9	J-4.5	3-FT	C	-	-	849.72	848.47	3.41	12	845.06	844.92	7	2.00%	FLAT TOP SLAB WITH 2' DIA. OPENING REQ'D
J-4.7	84+40.39	7.0'RT	33.3	J-4.5	2X3-FT	H	-	-	850.07	849.24	4.15	12	845.09	844.92	33	0.52%	
J-4.8	84+40.39	1.0'RT	5.8	J-4.7	2X3-FT	H	-	-	849.99	849.16	4.04	12	845.12	845.09	6	0.50%	
J-4.9	86+27.36	29.5'RT	65.3	J-4.2	4-FT	H-S	-	-	848.97	848.14	3.18	15	844.96	844.63	65	0.51%	FLAT TOP 2'X3' OPENING REQ'D
J-4.10	86+33.36	29.5'RT	6.0	J-4.9	2X3-FT	H-S	-	-	848.95	848.12	3.13	12	844.99	844.96	6	0.50%	
J-5.1	85+63.73	1.0'RT	22.9	J-5.2	2X3-FT	H	-	-	849.82	848.99	2.18	12	846.81	846.33	23	2.09%	
J-5.2	85+66.68	21.5'LT	26.9	J-5.3	2X3-FT	H	-	-	849.38	848.55	3.53	12	845.02	844.94	27	0.30%	
J-5.3	85+39.73	21.5'LT	6.0	J-5.4	2X3-FT	H	-	-	849.49	848.66	3.72	12	844.94	844.82	6	2.00%	
J-5.4	85+40.35	15.6'LT	-	-	-	-	-	-	-	-	-	12	844.82	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-5.5	83+50.00	21.5'LT	189.7	J-5.3	2X3-FT	H-S	-	-	849.16	848.33	2.44	12	845.89	844.94	190	0.50%	
J-5.6	83+44.00	21.5'LT	6.0	J-5.5	2X3-FT	H-S	-	-	849.20	848.37	2.45	12	845.92	845.89	6	0.50%	
J-5.7	86+16.23	21.5'LT	49.6	J-5.2	2X3-FT	H-S	-	-	849.18	848.35	3.08	12	845.27	845.02	50	0.50%	
J-5.8	86+22.23	21.5'LT	6.0	J-5.7	2X3-FT	H-S	-	-	849.16	848.33	3.03	12	845.30	845.27	6	0.50%	
J-6.1	86+84.89	35.6'RT	6.0	J-6.2	-	-	-	-	-	-	-	12	847.16	847.13	6	0.50%	CONCRETE COLLARS FOR PIPE REQ'D
J-6.2	86+85.18	29.5'RT	20.3	J-6.3	2X3-FT	H	-	-	850.21	849.38	3.61	12	845.77	845.67	20	0.50%	
J-6.3	87+06.05	29.4'RT	28.4	J-6.4	2X3-FT	H	-	-	851.35	850.52	4.85	12	845.67	845.53	28	0.50%	
J-6.4	87+06.30	1.0'RT	-	-	2X3-FT	H	-	-	852.17	851.34	5.81	12	845.53	-	-	-	CONNECT TO EXISTING 12" DIAMETER PIPE. CONCRETE COLLARS FOR PIPE REQ'D
J-6.5	86+89.66	7.0'RT	5.8	J-6.6	2X3-FT	H	-	-	851.25	850.42	4.78	12	845.65	845.62	6	0.50%	
J-6.6	86+89.66	1.0'RT	16.6	J-6.4	2X3-FT	H	-	-	851.26	850.43	4.82	12	845.62	845.53	17	0.50%	
J-6.7	87+21.65	20.8'LT	-	-	-	Z	-	-	852.72	-	-	-	-	-	-	-	INSTALL NEW INLET COVER ON EXISTING INLET. TRANSITION PROPOSED CURB AND GUTTER FLOW LINE TO MATCH INLET COVER.
J-7.1	81+65.01	21.5'LT	6.0	J-7.2	2X3-FT	H	-	-	850.18	849.35	3.21	12	846.14	845.37	6	12.83%	
J-7.2	81+65.06	15.6'LT	-	-	-	-	-	-	-	-	-	12	845.37	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-8.1	92+79.99	13.3'RT	6.0	J-8.2	2X3-FT	H	-	-	852.13	851.30	3.02	12	848.29	848.26	6	0.50%	
J-8.2	92+73.91	13.2'RT	32.7	J-8.4	2X3-FT	H	-	-	852.16	851.33	3.08	12	848.26	848.09	33	0.50%	
J-8.3	92+79.76	45.8'RT	6.0	J-8.4	2X3-FT	H	-	-	851.90	851.07	2.95	12	848.12	848.09	6	0.50%	
J-8.4	92+73.45	45.7'RT	54.0	J-8.5	2X3-FT	H	-	-	851.93	851.10	3.01	12	848.09	847.82	54	0.50%	
J-8.5	92+18.85	44.2'RT	6.0	J-8.6	2X3-FT	H	-	-	852.21	851.38	3.56	12	847.82	847.52	6	5.00%	
J-8.6	92+18.84	38.3'RT	-	-	-	-	-	-	-	-	-	12	847.52	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-9.1	92+34.69	29.7'LT	5.9	J-9.2	2X3-FT	H	-	-	852.15	851.32	4.26	12	847.06	847.03	6	0.50%	
J-9.2	92+40.56	29.5'LT	30.5	J-9.3	2X3-FT	H	-	-	852.13	851.30	4.27	12	847.03	846.88	31	0.50%	
J-9.3	92+40.01	1.0'RT	6.0	J-9.4	2X3-FT	H	-	-	852.71	851.88	5.01	12	846.88	846.85	6	0.50%	
J-9.4	92+34.02	1.0'RT	16.7	J-9.5	4-FT	H	-	-	852.74	851.91	5.07	12	846.85	846.76	17	0.50%	FLAT TOP 2'X3' OPENING REQ'D
J-9.5	92+18.11	6.0'RT	6.0	J-9.6	-	-	4-FT	J-S	853.25	852.00	5.24	12	846.76	846.46	6	5.00%	
J-9.6	92+18.32	12.0'RT	-	-	-	-	-	-	-	-	-	12	846.46	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-10.1	95+49.55	1.0'RT	41.5	J-10.2	2X3-FT	H	-	-	854.68	853.85	5.82	12	848.03	847.61	42	1.00%	
J-10.2	95+46.43	40.2'LT	27.4	J-10.3	4-FT	H	-	-	853.72	852.89	5.28	12	847.61	847.34	27	1.00%	FLAT TOP 2'X3' OPENING REQ'D
J-10.3	95+64.52	60.8'LT	4.6	J-10.4	2X3-FT	H	-	-	853.16	852.33	4.99	12	847.34	847.29	5	1.00%	
J-10.4	95+61.11	64.3'LT	35.4	J-10.5	2X3-FT	H	-	-	852.94	852.11	4.82	12	847.29	846.94	35	1.00%	
J-10.5	95+36.30	89.4'LT	-	-	-	-	-	-	-	-	-	-	846.94	-	-	-	STORM SEWER TAP REQ'D.
J-11.1	96+50.70	45.3'RT	6.0	J-11.2	2X3-FT	H	-	-	853.53	852.70	4.43	12	848.27	847.08	6	19.83%	
J-11.2	96+51.10	39.4'RT	-	-	-	-	-	-	-	-	-	12	847.08	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
J-12.1	96+71.15	18.8'RT	17.7	J-12.2	2X3-FT	H	-	-	853.41	852.58	3.25	12	849.33	849.24	18	0.50%	
J-12.2	96+70.6	1.0'RT	23.8	J-13.2	2X3-FT	H	-	-	853.74	852.91	3.67	12	849.24	849.12	24	0.50%	FIELD VERIFY INVERT ELEVATION. CONCRETE COLLARS FOR PIPE REQ'D. CONCRETE COLLARS FOR PIPE REQ'D
J-13.1	97+07.13	31.5'LT	25.2	J-13.2	2X3-FT	H	-	-	853.27	852.44	3.03	12	849.41	849.28	25	0.52%	
J-13.2	96+88.14	15.0'LT	11.7	J-13.3	-	-	6-FT	J-S	853.68	852.43	5.33	12	847.10	843.50	12	30.00%	
J-13.3	96+88.25	3.3'LT	-	-	-	-	-	-	-	-	-	12	843.50	-	-	-	FIELD VERIFY INVERT ELEVATION AT TIE-IN POINT. CONCRETE COLLARS FOR PIPE REQ'D
J-14.1	97+67.43	58.4'RT	58.2	J-15.1	2X3-FT	H	-	-	851.58	850.75	2.94	12	847.81	847.52	58	0.50%	
J-15.1	97+57.71	1.0'RT	12.8	J-15.2	2X3-FT	H	-	-	852.50	851.67	4.09	12	847.59	847.52	13	0.50%	
J-15.2	97+61.16	13.5'RT	54.2	J-15.3	4-FT	H	-	-	852.43	851.60	4.08	12	847.52	847.24	54	0.52%	FLAT TOP 2'X3' OPENING REQ'D
J-15.3	98+14.72	18.3'RT	6.0	J-15.4	-	-	4-FT	J-S	852.47	851.22	3.98	12	847.24	847.21	6	0.50%	
J-15.4	98+20.05	15.5'RT	-	-	-	-	-	-	-	-	-	12	847.21	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-16.1	99+30.41	68.9'RT	43.4	J-16.2	2X3-FT	H	-	-	849.64	848.81	1.64	12	847.17	846.95	43	0.51%	
J-16.2	99+40.92	27.0'RT	6.0	J-16.3	2X3-FT	H	-	-	850.37	849.54	2.59	12	846.95	846.92	6	0.50%	
J-16.3	99+41.23	20.9'RT	-	-	-	-	-	-	-	-	-	12	846.92	-	-	-	FIELD VERIFY INVERT ELEVATION AT TIE-IN POINT. CONCRETE COLLARS FOR PIPE REQ'D
J-17.1	100+50.37	33.3'LT	56.4	J-17.6	2X3-FT	H-S	-	-	849.22	848.39	1.09	12	847.30	847.13	56	0.30%	
J-17.2	99+41.80	31.5'LT	53.1	J-17.4	2X3-FT	H	-	-	849.95	849.12	5.09	12	844.03	843.74	53	0.55%	
J-17.3	99+41.67	6.9'RT	38.6	J-17.2	2X3-FT	H	-	-	850.65	849.82	3.76	12	846.06	845.86	39	0.51%	
J-17.4	98+88.67	31.5'LT	46.0	J-17.5	2X3-FT	H	-	-	850.43	849.60	5.86	12	843.74	843.51	46	0.50%	
J-17.5	98+52.56	3.1'LT	-	-	-	-	-	-	-	-	-	12	843.51	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-17.6	101+07.52	32.7'LT	8.2	J-17.7	2X3-FT	H-S	-	-	849.09	848.26	1.13	12	847.13	847.09	8	0.50%	
J-17.7	101+07.54	26.7'LT	-	-	-	-	-	-	-	-	-	12	847.09	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-17.8	98+46.12	1.5'RT	-	-	-	H	-	-	851.51	-	-	-	-	-	-	-	INSTALL NEW INLET COVER ON EXISTING INLET. FIELD ADJUST PROPOSED CURB AND GUTTER FLOW LINE TO ALIGN WITH EXISTING INLET.
J-18.1	101+01.15	33.8'RT	4.0	J-18.2	-	-	-	-	0.00	-	-	12	846.02	845.91	4	2.75%	CONCRETE COLLARS FOR PIPE REQ'D
J-18.2	101+00.94	29.9'RT	7.8	J-18.3	2X3-FT	H	-	-	849.93	849.10	3.19	12	845.91	845.69	8	2.75%	
J-18.3	101+01.60	22.0'RT	6.0	J-18.4	2X3-FT	H	-	-	849.98	849.15	3.46	12	845.69	845.52	6	2.83%	
J-18.4	101+02.51	16.2'RT	-	-	-	-	-	-	0.00	-	-	12	845.52	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-19.1	10+74.75	20.9'LT	42.3	J-19.2	MEDIAN 1G	MS			849.10	849.10	3.21	12	845.89	845.68	42	0.50%	TEMPORARY INLET FOR USE DURING STAGE 3
J-19.2	11+10.91	1.0'RT	72.1	J-19.4	4-FT	H	-	-	849.56	848.73	3.05	12	845.68	845.32	72	0.50%	FLAT TOP 2'DIAMETER OPENING REQ'D
J-19.3	11+10.79	7.0'RT	5.8	J-19.2	2X3-FT	H	-	-	849.49	848.66	2.95	12	845.71	845.68	6	0.50%	
J-19.4	11+82.99	1.1'RT	6.0	J-19.8	-	-	4-FT	J-S	850.15	848.90	3.58	12	845.32	845.32	6	0.00%	
J-19.5	11+39.02	34.5'RT	6.0	J-19.6	2X3-FT	DW	-	-	849.09	848.26	2.56	12	845.71	845.68	6	0.50%	
J-19.6	11+45.00	34.1'RT	38.3	J-19.7	2X3-FT	DW	-	-	849.13	848.30	2.63	12	845.68	845.48	38	0.53%	
J-19.7	11+83.25	31.5'RT	30.5	J-19.4	2X3-FT	H	-	-	849.36	848.53	3.06	12	845.48	845.32	31	0.50%	
J-19.8	11+82.07	4.8'LT	-	-	-	-	-	-	-	-	-	12	845.32	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-20.1	11+15.65	49.5'LT	13.4	J-20.2	2X3-FT	H	-	-	848.88	848.05	3.78	12	844.27	844.20	13	0.54%	
J-20.2	11+11.48	36.7'LT	6.0	J-20.4	-	-	6-FT	J-S	849.35	848.10	4.79	30	843.31	843.27	6	0.67%	
J-20.3	11+17.48	36.9'LT	6.0	J-20.2	-	-	-	-	-	-	-	30	843.35	843.31	6	0.67%	CONCRETE COLLARS FOR PIPE REQ'D
J-20.4	11+05.77	38.6'LT	-	-	-	-	-	-	-	-	-	30	844.16	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
J-20.5	10+88.15	59.4'LT	29.2	J-20.1	2X3-FT	H	-	-	848.73	847.90	3.48	12	844.42	844.27	29	0.52%	
J-21.1	13+22.46	33.1'RT	6.0	J-21.2	-	-	-	-	-	-	-	10	846.84	846.72	6	2.00%	FIELD VERIFY INVERT ELEVATION AT TIE-IN POINT. CONCRETE COLLARS FOR PIPE REQ'D
J-21.2	13+22.73	27.0'RT	37.6	J-21.3	2X3-FT	H	-	-	850.01	849.18	3.23	12	845.95	845.76	38	0.50%	
J-21.3	13+60.32	27.0'RT	28.2	J-21.4	2X3-FT	H	-	-	850.17	849.34	3.58	12	845.76	845.62	28	0.52%	
J-21.4	13+58.80	1.0'LT	8.9	J-21.5	2X3-FT	H	-	-	850.68	849.85	4.24	12	845.62	845.57	9	0.51%	RELAID STORM SEWER 12-INCH; CONCRETE COLLARS FOR PIPE REQ'D (FOR STAGE 2 CONNECTION)
J-21.5	13+59.90	10.0'LT	6.0	J-21.6	2X3-FT	H	-	-	850.36	849.53	3.96	12	845.57	845.42	6	2.50%	
J-21.6	13+60.75	15.8'LT	-	-	-	-	-	-	-	-	-	12	845.42	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
YP-1.1	11+24.1	4.0'RT	29.1	YP-1.2	2X3-FT	H	-	-	849.06	848.23	2.63	12	845.60	845.51	29	0.31%	
YP-1.2	10+99.93	18.5'RT	7.2	YP-1.3	2X3-FT	HM	-	-	849.33	848.50	2.99	15	845.51	845.49	7	0.29%	
YP-1.3	10+93.81	16.8'RT	28.5	YP-1.4	MEDIAN 1G	MS	-	-	848.92	848.92	3.43	15	845.49	845.41	28	0.29%	
YP-1.4	10+68.86	12.8'RT	6.0	YP-1.5	MEDIAN 1G	MS	-	-	849.06	849.06	3.65	18	845.41	845.33	6	1.33%	
YP-1.5	10+67.32	7.0'RT	-	-	-	-	-	-	-	-	-	15	845.33	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D

NOTE FOR 1319, 1321, 1325, 1331 E. JOHNSON STREET - FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE. AS REQUIRED TO CLEAR THE STORM SEWER MAIN.

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).
4. ALL EXISTING 3/4" COPPER WATER SERVICE LATERALS SHALL BE RECONNECTED WITH 1" COPPER.
5. ALL WATER VALVE BOXES ON REMAINING EXISTING WATER MAIN WITHIN PAVING LIMITS MUST BE PROTECTED AND ADJUSTED TO MATCH NEW PAVEMENT.

N. BALDWIN ST.
MARSTON AVE.
EAST JOHNSON ST.
ELLEN JO HANSEN
EX SAS 5344-028
333 N BALDWIN STREET
ALMA HOWLAND
306 MARSTON AVENUE
CITY OF MADISON
PROPOSED STORM SEWER (TYP.)
ADJUST WATER VALVE BOX
ABANDON EXISTING WATER VALVE AND BOX (TYP.)
ABANDON EXISTING SANITARY SEWER (TYP.)
STA. 77+49.52/18.98'RT CUT-IN 8-IN CONNECTION.
PROTECT EXISTING 5'X4' BOX CULVERT
ABANDON EXISTING WATER MAIN (TYP.)
MATCHLINE STA. 80+00
PROPOSED SANITARY SEWER (TYP.)
STA. 76+28.24/44.6'RT 12-IN, 11.25° BEND
STA. 76+20.25/45.0'RT CUT-IN 12-IN CONNECTION 12-IN VALVE NORTHEAST
STA. 76+34.63/42.3'RT 12-IN, 11.25° BEND
STA. 77+50.33/36.1'RT 12-IN x 8-IN TEE
DISCONNECT AND RECONNECT EXISTING 1-IN COPPER SERVICE LATERAL (TYP.)
EX. 8" DI SAN.
EX. 8" PVC SAN.
EX. 10" DI SAN.
EX. 10" CI SAN.
EX. 6" VP SAN.
EX. 5'-4' BOX

EXISTING REFERENCE LINE PROFILE
APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER
PROPOSED REFERENCE LINE PROFILE
APPROXIMATE TOP OF EXISTING WATER MAIN
INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)
381 LF - 12" D.I. WATER MAIN
APPROXIMATE FLOW LINE OF EXISTING STORM SEWER
STA. 76+20 ELEV. 846.7±
STA. 76+50 ELEV. 846.6±
STA. 77+00 ELEV. 846.4±
STA. 77+50 ELEV. 846.1±
STA. 78+00 ELEV. 845.8±
STA. 78+50 ELEV. 845.5±
TOP OF PROPOSED WATER MAIN
STA. 79+00 ELEV. 845.1±
STA. 79+50 ELEV. 844.8±
FLOW LINE OF PROPOSED SANITARY SEWER

PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET 95 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023001_up.dgn
PLOT DATE : 10/11/2018
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

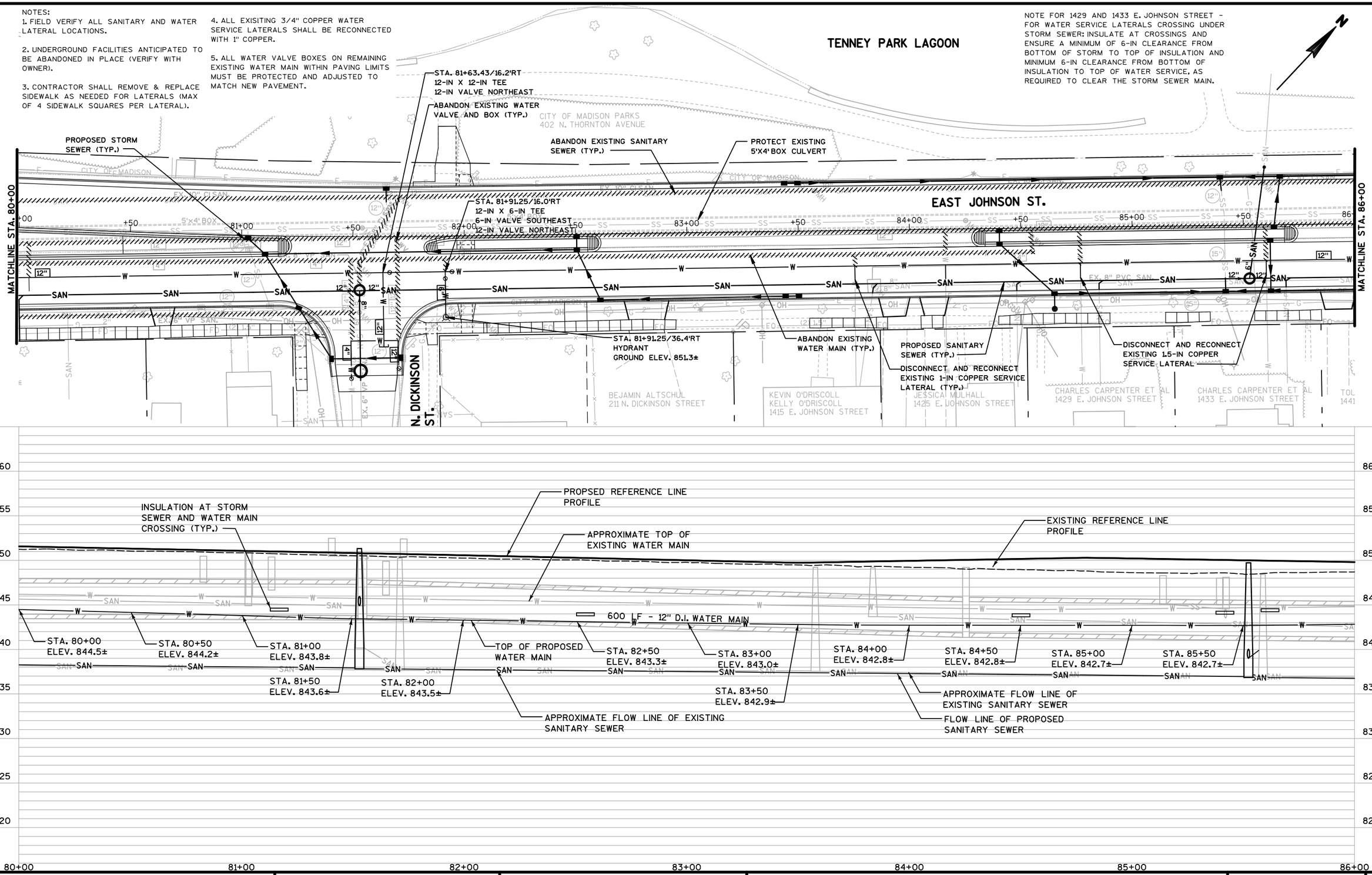
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

4. ALL EXISITING 3/4" COPPER WATER SERVICE LATERALS SHALL BE RECONNECTED WITH 1" COPPER.

5. ALL WATER VALVE BOXES ON REMAINING EXISTING WATER MAIN WITHIN PAVING LIMITS MUST BE PROTECTED AND ADJUSTED TO MATCH NEW PAVEMENT.

NOTE FOR 1429 AND 1433 E. JOHNSON STREET - FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN.



PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023002_up.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

TENNEY PARK LAGOON

TENNEY PARK
CITY OF MADISON PARKS
402 N. THORNTON AVENUE

YAHARA RIVER PARKWAY

CITY OF MADISON PARKS

DISCONNECT AND RECONNECT EXISTING 1-IN COPPER SERVICE LATERAL (TYP.)

STA. 86+35.50/1.0'RT
12-IN VALVE
CUT-IN 12-IN CONNECTION

ADJUST EXISTING WATER VALVE AND BOX (TYP.)

ABANDON EXISTING SANITARY SEWER (TYP.)

EX 12" PVC SAN. INSIDE CASING

PROPSOSED STORM SEWER (TYP.)

STA. 86+35.50/16.0'RT
12-IN 90°BEND

PROPOSED SANITARY SEWER (TYP.)

MATCHLINE STA. 86+00

EAST JOHNSON ST.

STA. 86+19.21/37.0'RT
HYDRANT
GROUND ELEV. 849.6±
6-IN VALVE NORTHWEST

STA. 86+19.21/16.0'RT
12-IN X 6-IN TEE

6" PIPE UNDERDRAIN FROM SIDEWALK RETAINING WALL TIES INTO MARQUETTE

JSSAINT APARTMENTS LLC
220 N. THORNTON AVENUE
1E. JOHNSON STREET

REMOVE AND SALVAGE EXISTING TEE, VALVE, AND HYDRANT.

STA. 87+51.80/72.1'RT,
CUT IN 8-IN CONNECTION
8-IN X 6-IN TEE
6-IN VALVE NORTHWEST

STA. 87+47.49/72.9'RT
HYDRANT
GROUND ELEV. 850.1±

STRUCTURE HAS A SUMP PUMP IN IT WITH POWER RUNNING TO IT

CITY OF MADISON PARKS

STA. 90+26.82/30.5'LT
12-IN VALVE
CUT-IN 12-IN CONNECTION

CLAY TRENCH PLUG. NITRILE WATER MAIN GASKETS USED ON WATER MAIN WITHIN LIMITS OF CLAY DAMS.
STA. 90+26 - STA. 92+45.

ABANDON EXISTING VALVE AND BOX

ABANDON EXISTING WATER MAIN (TYP.)

APPROXIMATE LIMITS OF CONTAMINATED SOILS

STA. 90+26.69/13.5'LT
12-IN, 90° BEND

MATCHLINE STA. 92+00

NOTE FOR 1441 E. JOHNSON STREET - FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN.

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).
4. ALL EXISITING 3/4" COPPER WATER SERVICE LATERALS SHALL BE RECONNECTED WITH 1" COPPER.
5. ALL WATER VALVE BOXES ON REMAINING EXISTING WATER MAIN WITHIN PAVING LIMITS MUST BE PROTECTED AND ADJUSTED TO MATCH NEW PAVEMENT.

EXISTING REFERENCE LINE PROFILE

PROPOSED REFERENCE LINE PROFILE

TOP OF EXISTING WATER MAIN

TOP OF PROPOSED WATER MAIN

STA. 86+36
ELEV. 844.9±

52 LF - 12" D.I. WATER MAIN

STA. 86+00
ELEV. 842.9±

STA. 86+30
ELEV. 843.0±

APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

STA. 90+26
ELEV. 847.9±

191 LF - 12" D.I. WATER MAIN

STA. 90+50
ELEV. 847.8±

STA. 91+00
ELEV. 847.6±

STA. 91+50
ELEV. 847.3±

865 860 855 850 845 840 835 830

86+00 87+00 88+00 89+00 90+00 91+00 92+00

PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023003_up.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

4. ALL EXISITING 3/4" COPPER WATER SERVICE LATERALS SHALL BE RECONNECTED WITH 1" COPPER.

5. ALL WATER VALVE BOXES ON REMAINING EXISTING WATER MAIN WITHIN PAVING LIMITS MUST BE PROTECTED AND ADJUSTED TO MATCH NEW PAVEMENT.

CLAY TRENCH PLUG. NITRILE WATER MAIN GASKETS USED ON WATER MAIN WITHIN LIMITS OF CLAY DAMS. STA. 90+26 - STA. 92+45.

STA. 94+62.59/42.7'LT
8-IN, 90° BEND
CUT-IN 8-IN CONNECTION

ABANDON EXISTING WATER VALVE AND BOX

STA. 95+86.02/51.6'LT
REMOVE EXISTING TAPPING VALVE
12-IN VALVE
CUT-IN 12-IN CONNECTION

BORE AND JACK
12-IN WATER MAIN,
STEEL CASING PIPE 24-IN

ABANDON EXISTING WATER MAIN (TYP.)

STA. 94+74.55/43.2'LT
8-IN, 90° BEND

STA. 94+74.67/24.8'LT
12-IN X 8-IN TEE
8-IN VALVE NORTHWEST

STA. 95+85.65/25.6'LT
12-IN X 12-IN TEE
12-IN VALVE SOUTHWEST

MATCHLINE STA. 92+00

MATCHLINE STA. 98+00

STA. 92+58.42/12.9'LT
12-IN X 6-IN TEE
6-IN VALVE SOUTHEAST
12-IN VALVE SOUTHWEST

PROPOSED STORM SEWER (TYP.)

EAST JOHNSON ST.

FORDEM AVE.

WISCONSIN SOUTHERN RAILROAD

STATE OF WI WISDOT
1890 E. JOHNSON STREET

REMOVE AND SALVAGE EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

STA. 92+59.10/48.4'RT
HYDRANT
GROUND ELEV. 852.7±

INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)

APPROXIMATE TOP OF EXISTING WATER MAIN

PROPOSED REFERENCE LINE PROFILE
EXISTING REFERENCE LINE PROFILE

TOP OF PROPOSED WATER MAIN

STA. 92+00 ELEV. 847.1±
STA. 92+29 ELEV. 846.9±
STA. 92+36 ELEV. 844.9±
STA. 92+44 ELEV. 844.9±
STA. 92+51 ELEV. 846.9±
STA. 93+00 ELEV. 846.9±
STA. 93+50 ELEV. 846.9±
STA. 94+00 ELEV. 846.9±
STA. 94+50 ELEV. 846.9±
STA. 95+00 ELEV. 846.9±
STA. 95+50 ELEV. 846.9±
STA. 95+89 ELEV. 846.9±
STA. 95+95 ELEV. 842.0±
STA. 97+55 ELEV. 842.0±
STA. 97+61 ELEV. 845.8±

600 LF - 12" D.I. WATER MAIN

APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

150 LF - 24" STEEL CASING PIPE WITH 12" D.I. WATER MAIN

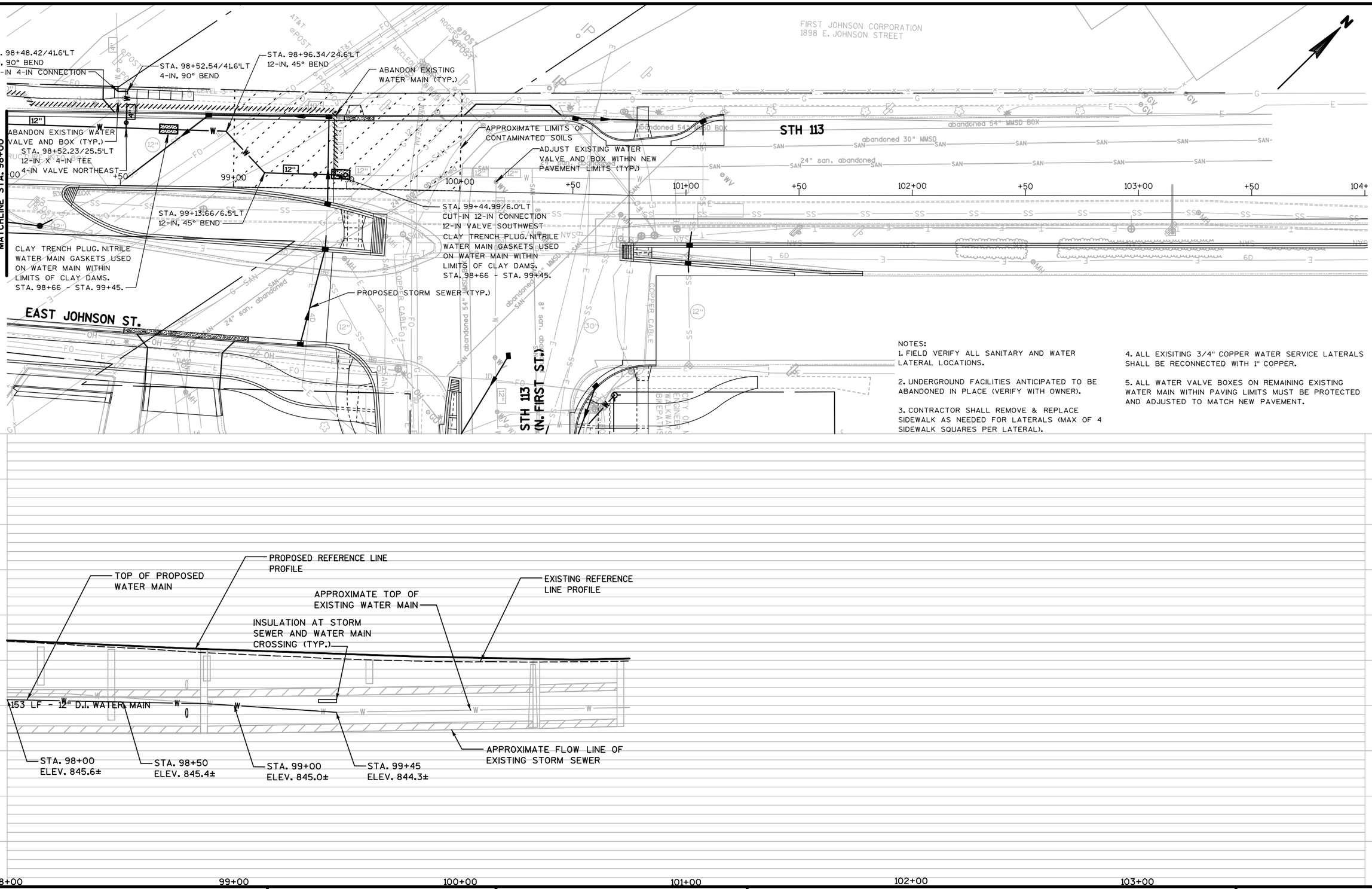
865 860 855 850 845 840 835 830

92+00 93+00 94+00 95+00 96+00 97+00 98+00

PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET 98 E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\023004_up.dgn PLOT DATE : 10/12/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41



NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).
4. ALL EXISITING 3/4" COPPER WATER SERVICE LATERALS SHALL BE RECONNECTED WITH 1" COPPER.
5. ALL WATER VALVE BOXES ON REMAINING EXISTING WATER MAIN WITHIN PAVING LIMITS MUST BE PROTECTED AND ADJUSTED TO MATCH NEW PAVEMENT.

PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET 99	E

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

4. ALL EXISITING 3/4" COPPER WATER SERVICE LATERALS SHALL BE RECONNECTED WITH 1" COPPER.

5. ALL WATER VALVE BOXES ON REMAINING EXISTING WATER MAIN WITHIN PAVING LIMITS MUST BE PROTECTED AND ADJUSTED TO MATCH NEW PAVEMENT.

STA. 10+90.19/35.5'RT
HYDRANT
GROUND ELEV. 849.8±

STA. 11+04.82/56.5'LT
REMOVE AND SALVAGE
EXISTING HYDRANT
CONNECT TO EXISTING
WATER MAIN
6-IN 45°BEND

STA. 11+91.01/9.04'LT
CONNECT TO EXISTING
12-IN WATER MAIN
12-IN x 6-IN REDUCER
SOUTHWEST

REMOVE AND SALVAGE
EXISTING HYDRANT AND
ABANDON EXISTING VALVE BOX

STA. 11+90.19/35.5'RT
HYDRANT
GROUND ELEV. 850.2±

ADJUST EXISTING WATER
VALVE AND BOX WITHIN NEW
PAVEMENT LIMITS (TYP.)

PROPOSED STORM SEWER (TYP.)

STH 113 (N. FIRST ST.)

E. DAYTON ST.

EAST JOHNSON ST.

SOO LINE RR CO ROOM 1420
1894 E. JOHNSON STREET

CITY OF MADISON L&K WEBER GROUP LLC
ENGINEER
WALKWAYS &
BIKEPATHS 536

CITADEL
DEVELOPMENT INC
211 N. FIRST STREET

LLC HARLAN
207 N. FIRST STREET

CAROLYN KRUSE
ELLEN PRYOR
1902 E. DAYTON
STREET

JACOB HOAGLAND
125 N. FIRST
STREET

ABDUL SARHAN
SUZANNE
SARHAN
121 N. FIRST
STREET

JOSH
PELLETTER
SARAH
PELLETTER
117 N. FIRST
STREET

ABDUL SARHAN
SUZANNE
SARHAN
113 N. FIRST
STREET

CITY OF MADISON
WATER UT WELL #3
212 N. FIRST STREET

CITY OF MADISON MOTOR
EQ MOTOR EQUIPMENT
298 N. FIRST STREET

APPROXIMATE TOP OF
EXISTING WATER MAIN

APPROXIMATE EXISTING
REFERENCE LINE PROFILE

PROPOSED REFERENCE
LINE PROFILE

APPROXIMATE FLOW LINE OF
EXISTING STORM SEWER

APPROXIMATE TOP OF
EXISTING WATER MAIN

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

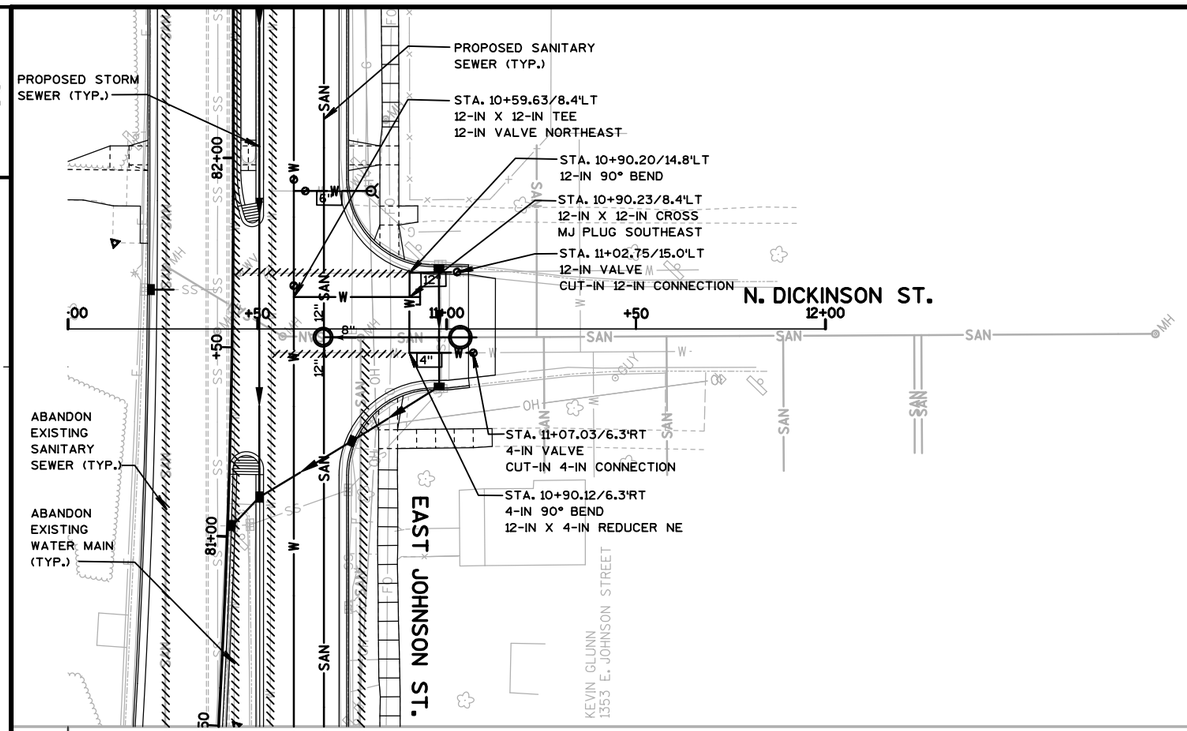
860 855 850 845 840 835 830 825

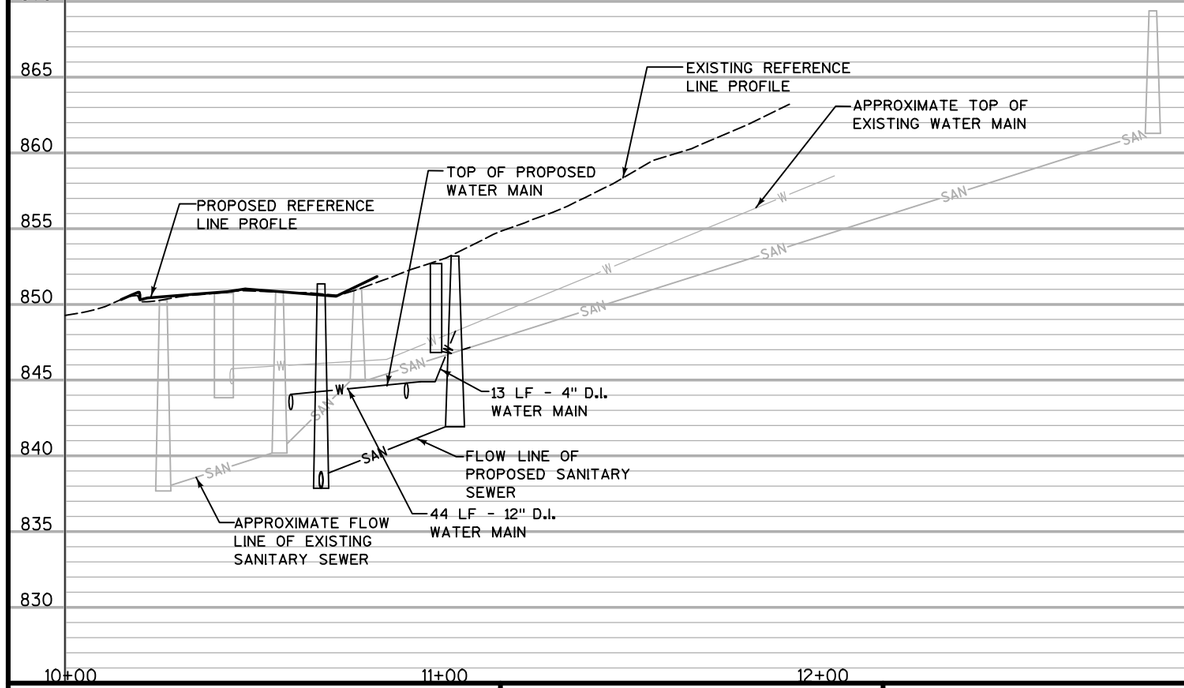
10+00 11+00 12+00 13+00 14+00 15+00

PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET 100	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023006_up.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41





NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

ALIGNMENT DATA:

10+00.00
Y: 488,722.30
X: 825,638.61

12+00.00
Y: 488,578.12
X: 825,777.22

2

PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET 101	E

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

N. BALDWIN ST.

MARSTON AVE.

EAST JOHNSON ST.

ELLEN JO HANSEN
305 N. BALDWIN STREET

ALMA HOWLAND
306 MARSTON AVENUE

REMOVE EXISTING SANITARY SEWER STRUCTURE 5444-012
SAS SBJ-01, 4'DIA.,
MANHOLE COVERS TYPE J-SPECIAL
STA. 75+18./12.0'RT
SANITARY SEWER TAP NORTHWEST

REMOVE EXISTING SANITARY SEWER STRUCTURE 5444-041

REMOVE EXISTING SANITARY SEWER STRUCTURE 5444-042
SAS NBJ-06, 4'DIA., MANHOLE COVERS TYPE J-SPECIAL
STA. 75+06/56.69'RT
SANITARY SEWER TAP SOUTHEAST, SOUTHWEST

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY SEWER (TYP.)

46 LF - 10" C-900 PVC @ 0.36%

REMOVE EXISTING SANITARY SEWER

ABANDON EXISTING SANITARY SEWER STRUCTURE 5444-013

REMOVE EXISTING SANITARY SEWER STRUCTURE 5444-043

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-002

43 LF - 10" C-900 PVC @ 0.28%

REMOVE EXISTING SANITARY SEWER STRUCTURE 5443-030
SAS SBJ-02, 4'DIA., MANHOLE COVERS TYPE J-SPECIAL
STA. 77+54/0.52'RT
SANITARY SEWER TAP NORTHWEST
SANITARY SEWER TAP NORTHEAST, SOUTHWEST FOR STAGING. PLUG NORTHEAST, SOUTHWEST AFTER NEW SANITARY IS CONSTRUCTED.

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-010

SAS NBJ-05 4'DIA.,
MANHOLE COVERS TYPE J-SPECIAL
STA. 77+57/43.73'RT

PROTECT EXISTING 5'X4' BOX CULVERT

ABANDON EXISTING WATER MAIN (TYP.)

PROPOSED WATER MAIN (TYP.)

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-003

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-011

RECONNECT SANITARY LATERAL 6-IN. SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

MATCHLINE STA. 80+00

SAS NBJ-06
RIM 855.59
REM. EX SAS 5444-042
RIM 855.58
IE 10" NW 839.97
IE 8" SW 842.24 (TAP)
IE 8" SE 846.86 (DROP)
IE 8" SE 840.37
IE 12" NE 839.87
IE 8" SW 842.24
IE 8" NW 841.20
IE 8" NE 841.45
IE 8" SE 846.86 (DROP)
IE 8" SE 841.38

ABAN. EX SAS 5444-013
RIM
IE 6" NE

REM. EX. SAS 5444-043
RIM 854.67
IE 8" SW 842.92

EXISTING REFERENCE LINE PROFILE

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

ABAN. EX SAS 5443-002
RIM 852.68
IE 12" SW 839.42
IE 12" NE 839.57

REM. EX. SAS 5443-030
RIM 852.64

SAS NBJ-05
RIM 853.89
IE 12" NW 838.93
IE 10" SW 839.00
IE 12" NE 838.84

ABAN. EX SAS 5443-010
RIM 854.45
IE 6" SW 847.69
IE 6" NE 847.67

PROPOSED REFERENCE LINE PROFILE

APPROXIMATE TOP OF EXISTING WATER MAIN

ABAN. EX SAS 5443-011
RIM 852.54
IE 6" SW 846.06
IE 6" NE 846.04

ABAN. EX SAS 5443-003
RIM 851.69
IE 10" SW 838.36
IE 10" NE 838.36

REM. EX. 8" PVC SAN.

ABAN. EX. 6" VP SAN.

ABAN. EX. 10" DI SAN.

CROSSING UNDER EXISTING 5'x4' BOX CULVERT REQUIRED

APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

250 LF - 12" C-900 PVC @ 0.35%

CROSSING UNDER EXISTING 5'x4' BOX CULVERT REQUIRED

TOP OF PROPOSED WATER MAIN

*398 LF - 12" PVC @ 0.22%

FLOW LINE OF PROPOSED SANITARY SEWER

*PIPE SHALL CONFORM TO ASTM D3034 SDR26

74+00 75+00 76+00 77+00 78+00 79+00 80+00

865 860 855 850 845 840 835 830 825

PROJECT NO:5992-09-16	HWY:E JOHNSON STREET	COUNTY:DANE	SANITARY SEWER UTILITY PLAN	SHEET 102 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023008_up.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

TENNEY PARK LAGOON

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

EAST JOHNSON ST.

N. DICKINSON ST.

MATCHLINE STA. 80+00

MATCHLINE STA. 86+00

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-004

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-009

ABANDON EXISTING SANITARY SEWER (TYP.)

PROTECT EXISTING 5'X4' BOX CULVERT

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-005

STA. 85+59.75/25.9'LT
SANITARY SEWER CLEANOUT
SANITARY LATERAL RECONNECT

REMOVE EXISTING SANITARY SEWER STRUCTURE 5443-006
SANITARY LATERAL RECONNECT.
CUT-IN CONNECTION NORTHEAST, SOUTHWEST

51 LF - 6" PVC LATERAL @ 2.0%

REMOVE EXISTING SANITARY SEWER STRUCTURE 5443-002

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

SAS NBJ-04, 5' DIA., MANHOLE COVERS TYPE J-SPECIAL SANITARY SEWER TAP SOUTHEAST STA. 81+53/60.26'RT

SAS NBJ-03, 4' DIA., MANHOLE COVERS TYPE J-SPECIAL STA. 81+53/24.25'RT

PROPOSED WATER MAIN (TYP.)

ABANDON EXISTING WATER MAIN (TYP.)

REMOVE EXISTING SANITARY SEWER STRUCTURE 5443-029

SAS NBJ-02, 4' DIA., MANHOLE COVERS TYPE J-SPECIAL, INTERNAL CHIMNEY SEAL STA. 85+52/24.00'RT

BEJAMIN ALTSCHUL
211 N. DICKINSON STREET

KEVIN O'DRISCOLL
KELLY O'DRISCOLL
1415 E. JOHNSON STREET

JESSICA MULHALL
1425 E. JOHNSON STREET

CHARLES CARPENTER ET AL
1429 E. JOHNSON STREET

CHARLES CARPENTER ET AL
1433 E. JOHNSON STREET

TOL
1441

PROPSED REFERENCE LINE PROFILE

APPROXIMATE TOP OF EXISTING WATER MAIN

EXISTING REFERENCE LINE PROFILE

SAS NBJ-03
RIM 851.35

SAS NBJ-02
RIM 849.76

TOP OF PROPOSED WATER MAIN

*398 LF - 12" PVC @ 0.22%

*400 LF - 12" PVC @ 0.22%

*190 LF - 12" PVC @ 0.22%

CROSSING UNDER EXISTING 5'x4' BOX CULVERT REQUIRED

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

IE 12" SW 837.96
IE 12" NE 837.86
IE 8" SE 838.86

IE 12" SW 836.98
IE 12" NE 836.88
IE 6" NW 839.05 (DROP)
IE 6" NW 836.98

IE 10" SW 837.00
IE 6" NW 840.01 (DROP)
IE 10" NE 836.98

ABAN. EX. SAS 5443-009 RIM 850.86
IE 8" SE 840.78
IE 10" NW 840.18

ABAN. EX. SAS 5443-004 RIM 850.27
IE 10" NE 838.01
IE 8" S 838.05
IE 10" SW 837.69

ABAN. EX. SAS 5443-005 RIM 849.26
IE 10" SW 837.62
IE 10" NE 837.57

REM. EX. SAS 5443-029 RIM 849.20
IE 8" SW 843.72
IE 8" NE 843.80

REM. EX. SAS 5443-006 RIM 848.45

*PIPE SHALL CONFORM TO ASTM D3034 SDR26

PROJECT NO:5992-09-16	HWY:E JOHNSON STREET	COUNTY:DANE	SANITARY SEWER UTILITY PLAN	SHEET 103 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023009_up.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

TENNEY PARK LAGOON

TENNEY PARK
CITY OF MADISON PARKS
402 N. THORNTON AVENUE

YAHARA RIVER PARKWAY

CITY OF MADISON PARKS

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-007

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-023

ABANDON EXISTING SANITARY SEWER (TYP.)

ABANDON EXISTING WATER MAIN (TYP.)

PROPSOSED STORM SEWER (TYP.)

PROPOSED WATER MAIN (TYP.)

REMOVE EXISTING SANITARY SEWER STRUCTURE 5443-024

EAST JOHNSON ST.

MATCHLINE STA. 86+00

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

ADJUST EXISTING SANIARY SEWER STRUCTURE 5443-025

SAS NBJ-01 4'DIA., MANHOLE COVERS TYPE J-SPECIAL STA. 87+45/21.20'RT SANITARY SEWER TAP SOUTHEAST

6" PIPE UNDERDRAIN FROM SIDEWALK RETAINING WALL TIES INTO THORNTON CHAPPE

JSSAINT APARTMENTS LLC
220 N. THORNTON AVENUE

1E. JOHNSON STREET

STRUCTURE HAS A SUMP PUMP IN IT WITH POWER RUNNING TO IT

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

EXISTING REFERENCE LINE PROFILE

PROPOSED REFERENCE LINE PROFILE

TOP OF EXISTING WATER MAIN

TOP OF PROPOSED WATER MAIN

APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

*190 LF - 12" PVC @ 0.22%

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

REM. EX. SAS 5443-024 RIM 849.71 IE 8" SW 842.25 IE 8" NE 842.19

ABAN. EX. SAS 5443-007 RIM 849.99

ABAN. EX. 10" CI SAN.

ABAN. EX. 8" PVC SAN.

REM. EX. 8" PVC SAN.

ABAN. EX. SAS 5443-023 RIM 852.95 IE 12" SW 836.55 IE 12" SE 836.53

ABAN. EX. 12" PVC SAN. IE 10" SW 837.55 IE 12" NE 836.76

NBJ-01 RIM 854.12 IE 12" SW 836.46 IE 12" SE 836.41

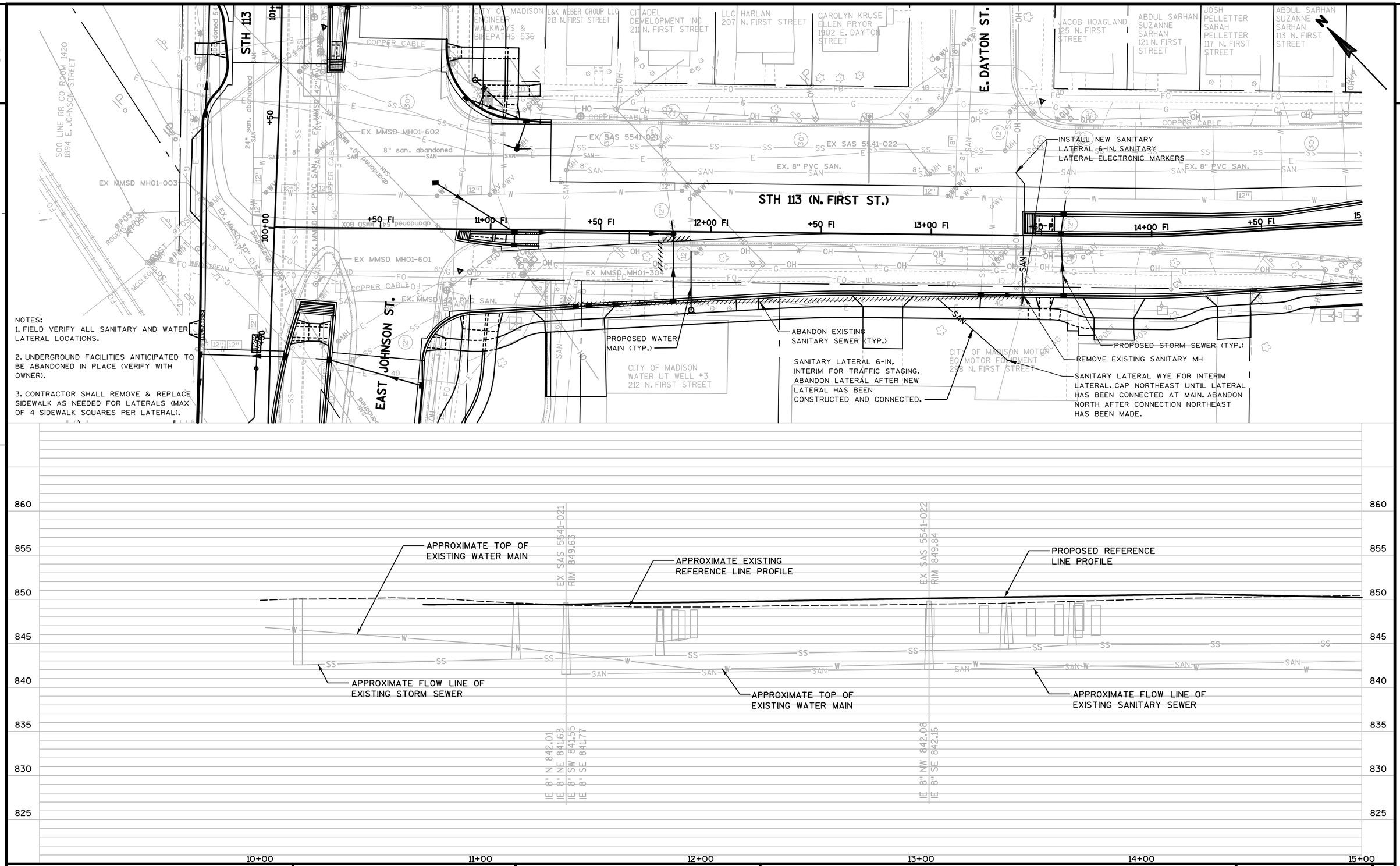
EX. SAS 5443-025 RIM 850.17 ADJUST RIM 853.99 IE 8" SW 838.83 (DROP) IE 8" SW 836.55 IE 12" NW 836.29 IE 12" SE 836.27

*PIPE SHALL CONFORM TO ASTM D3034 SDR26

PROJECT NO:5992-09-16	HWY:E JOHNSON STREET	COUNTY:DANE	SANITARY SEWER UTILITY PLAN	SHEET 104 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023010_up.dgn | PLOT DATE : 10/11/2018 | PLOT BY : _username_ | PLOT NAME : | PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41



PROJECT NO:5992-09-16	HWY:E JOHNSON STREET	COUNTY:DANE	SANITARY SEWER UTILITY PLAN	SHEET 105 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023011_up.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

REMOVE EXISTING SANITARY SEWER STRUCTURE 5444-041

REMOVE SANITARY SEWER STRUCTURE 5444-042
SAS NBJ-06, 4' DIA., MANHOLE COVERS TYPE J-SPECIAL
STA. 75+06/56.7'RT
SANITARY SEWER TAP SOUTHEAST, SOUTHWEST.

ABANDON EXISTING SANITARY SEWER (TYP.)

ALIGNMENT DATA:

10+00.00
Y: 488,156.98
X: 825,267.51

12+00.00
Y: 488,301.17
X: 825,128.91

N. BALDWIN ST.

REMOVE SANITARY SEWER STRUCTURE 5444-012
SAS SBJ-01, 4' DIA., MANHOLE COVERS TYPE J-SPECIAL
STA. 75+18/12.0'RT
SANITARY SEWER TAP NORTHWEST

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

EAST JOHNSON ST.

STEPHEN W. LEDERER
223 N. BALDWIN STREET

EXISTING REFERENCE LINE PROFILE

REM. EX SAS 5444-042
RIM 855.58

SAS NBJ-06
RIM 853.89

REM. EX SAS 5444-041
RIM 854.73

SAS SBJ-01
RIM 854.00

REM. EX SAS 5444-012
RIM 854.00

EX SAS 5444-028
RIM 851.82

FLOW LINE OF PROPOSED SANITARY SEWER

46 LF - 10" C-900 PVC @ 0.37%

IE 10" NW 839.97
IE 8" SW 842.24 (TAP)
IE 8" SE 846.86 (DROP)
IE 8" SE 840.37
IE 12" NE 839.87

IE 8" SW 842.24
IE 8" NW 841.20
IE 8" NE 841.45
IE 8" SE 846.86 (DROP)
IE 8" SE 841.38

IE 8" SE 840.68
IE 8" NW 840.67

IE 10" NW 840.24
IE 10" SE 840.14

IE 10" NW 840.24
IE 8" SE 840.22
IE 8" NE 840.14

IE 10" SE 840.78
IE 10" SE 841.92
IE 10" NW 840.92

10+00 11+00 12+00

870 865 860 855 850 845 840 835 830

2

ABANDON EXISTING SANITARY SEWER (TYP.)

ALIGNMENT DATA:

10+00.00
Y: 488,363.26
X: 825,431.48

12+00.00
Y: 488,507.44
X: 825,292.87

SAS NBJ-05, 4-DIA., MANHOLE COVERS TYPE J-SPECIAL
STA. 77+57/43.73'RT

REMOVE EXISTING SANITARY SEWER STRUCTURE 5443-030
SAS SBJ-02, 4' DIA., MANHOLE COVERS TYPE J-SPECIAL
STA. 77+54/0.52'RT
SANITARY SEWER TAP NORTHWEST
SANTIARY SEWER TAP NORTHEAST, SOUTHWEST FOR STAGING. PLUG NORTHEAST, SOUTHWEST AFTER NEW SANITARY IS CONSTRUCTED

MARSTON AVE.

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-010

PROPOSED WATER MAIN (TYP.)

NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

EAST JOHNSON ST.

CITY OF MADISON
402 N. THORNTON AVENUE

PROPOSED REFERENCE LINE PROFLE

REM EX. SAS 5443-030
RIM 852.64

SAS NBJ-05
RIM 853.89

SAS SBJ-02
RIM 852.60

FLOW LINE OF PROPOSED SANITARY SEWER

43 LF - 10" C-900 PVC @ 0.28%

IE 10" NW 838.93
IE 12" SW 839.00
IE 12" NE 838.84

IE 8" NW 839.1
IE 10" SW 839.02
IE 10" NE 838.98

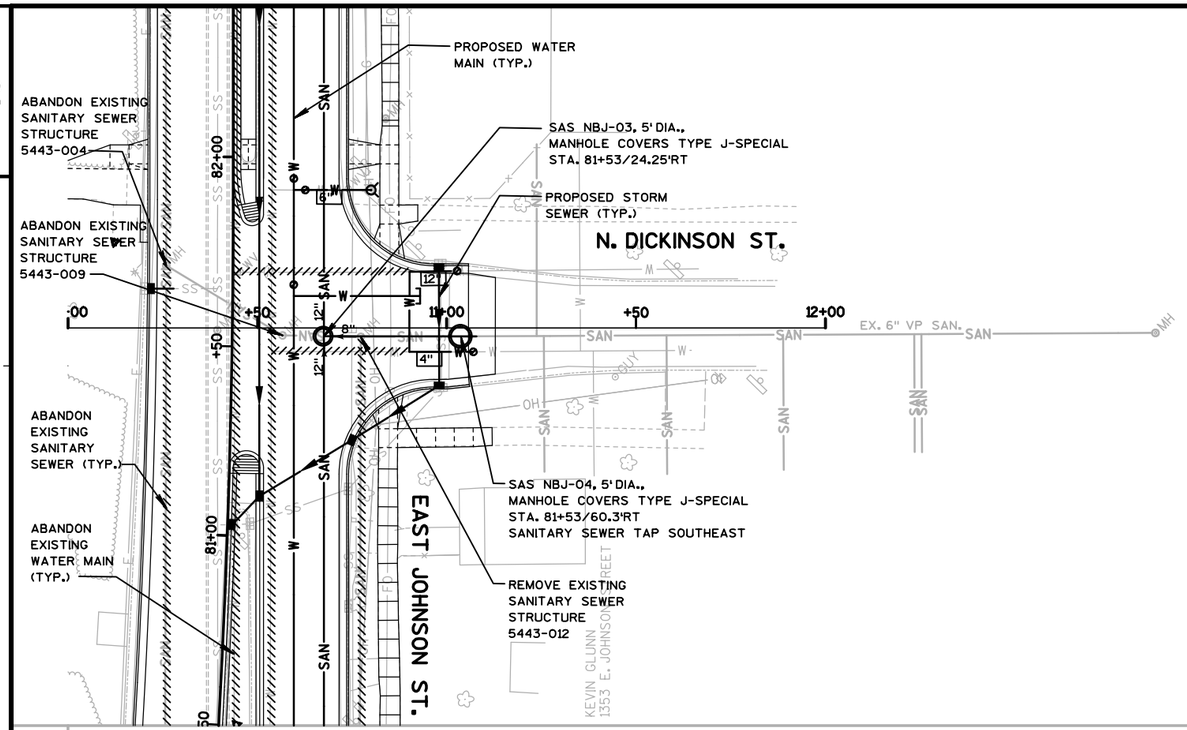
IE 10" SE 839.05
IE 10" NE 838.98 (TAP)
IE 10" SW 839.02 (TAP)
IE 8" NW 839.10 (TAP)

10+00 11+00 12+00

870 865 860 855 850 845 840 835 830

PROJECT NO: 5992-09-16	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\023012_up.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





NOTES:
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

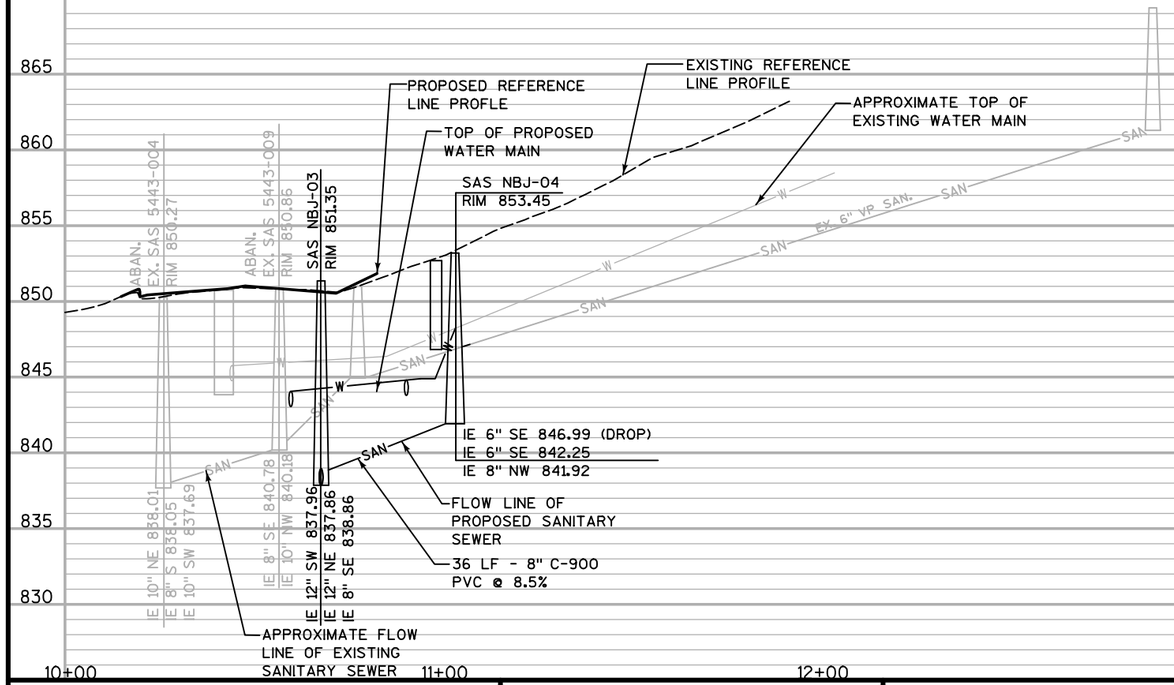
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

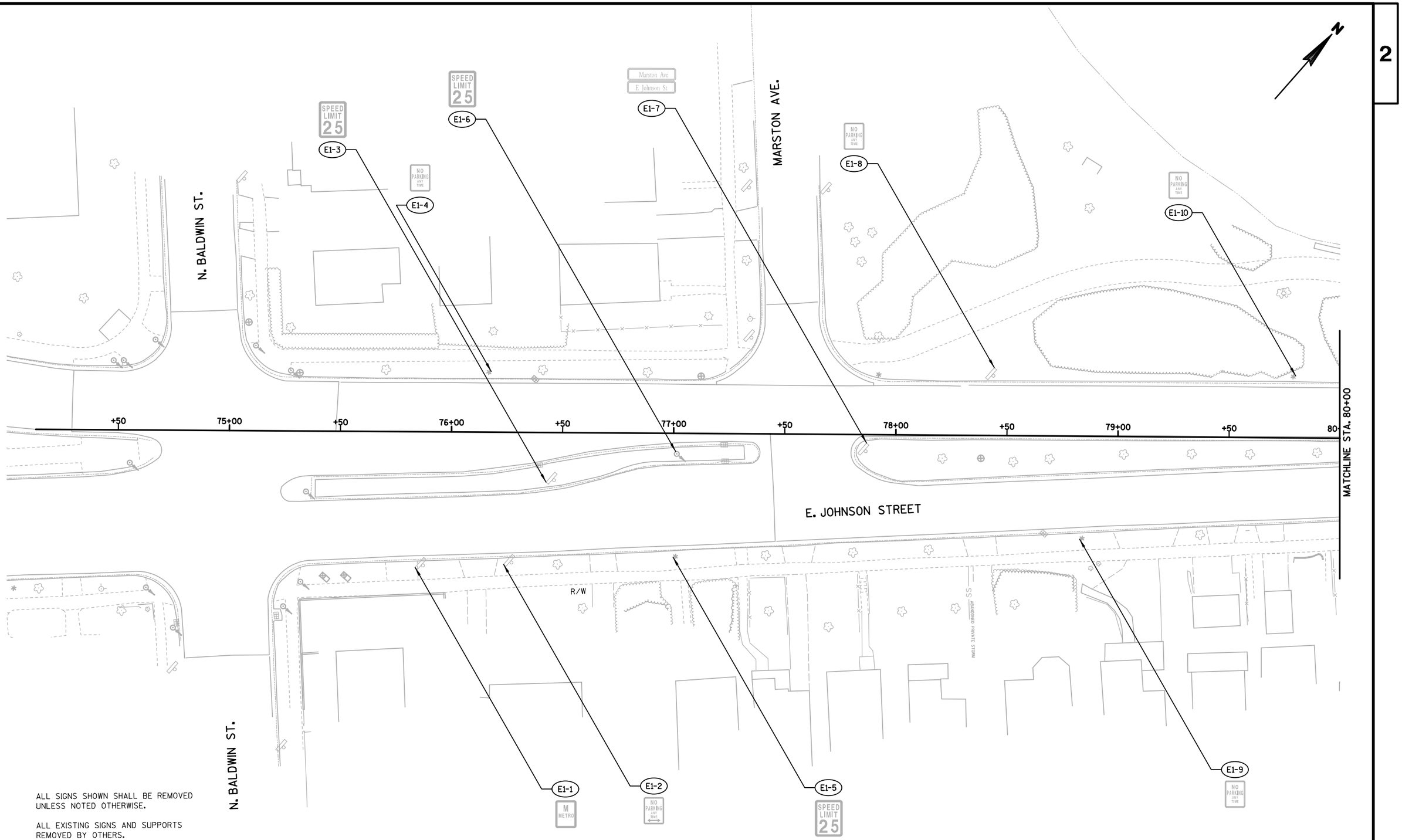
ALIGNMENT DATA:

10+00.00
Y: 488,722.30
X: 825,638.61

12+00.00
Y: 488,578.12
X: 825,777.22



PROJECT NO: 5992-09-16	HWY: E. JOHNSON STREET	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 107 E



ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS REMOVED BY OTHERS.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET 108	E

ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS REMOVED BY OTHERS.

TENNEY PARK LAGOON

N

N. Dickinson St
E. Johnson St
7-9AM 4-6PM

E2-2

7-9AM 4-6PM
M METRO

E2-3

E2-6

NO PARKING ANY TIME

E2-8

MATCHLINE STA. 80+00

00 +50 81+00 +50 82+00 +50 83+00 +50 84+00 +50 85+00 +50 86

MATCHLINE STA. 86+00

E. JOHNSON STREET

N. DICKINSON ST.

E2-1

NO PARKING ANY TIME

E2-4

STOP

E2-5

E2-7

NO PARKING ANY TIME

E2-9

NO PARKING ANY TIME

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023202_ps.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER

E. JOHNSON STREET

N. THORNTON AVENUE

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

00 +50 87+00 +50 88+00 +50 89+00 +50 90+00 +50 91+00 +50 92+

E3-1 M METRO

E3-2 NO PARKING ANY TIME

E3-3

E3-4

E3-5 ALTERNATE SIDE PARKING NO PARKING ANY TIME

E3-6 NO PARKING ANY TIME

E3-7 NO PARKING ANY TIME

E3-8 SPEED LIMIT 25

E3-9 SPEED LIMIT 25

E3-10 M METRO

E3-11 NO PARKING IN THIS CIRCLE

E3-12 NO PARKING 3AM - 10PM THURSDAYS MAY 1-NOV 30

E3-13 NO PARKING THIS SIDE BIKE ROUTE

ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS REMOVED BY OTHERS.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023203_ps.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

ALL SIGNS SHOWN SHALL BE REMOVED
UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS
REMOVED BY OTHERS.

2

2

N

MATCHLINE STA. 92+00

MATCHLINE STA. 98+00

E. JOHNSON STREET

FORDEM AVE.

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

Fordem Av

Fordem Av

E4-1 Fordem Av

E4-2 R R NO TRAIN HORN

E4-3 R R NO TRAIN HORN

E4-4 NO PARKING ANY TIME

E4-5 NO PARKING ANY TIME

E4-6 SPEED LIMIT 30

E4-7 SPEED LIMIT 30

E4-8

E4-9

E4-10 Fordem Av / E Johnson St

E4-11 NO PARKING ANY TIME

E4-12 NO PARKING ANY TIME

E4-13 STOP HERE ON RED

E4-14 STOP HERE ON RED

E4-15

E4-16 BIKE LANE ENDS / BIKES MAY USE FULL LANE — NEAR STA. 16+00 FO

E4-17 ONLY — MOVE (CENTER OVER PROPOSED LANE)

E4-18 ONLY — MOVE (CENTER OVER PROPOSED LANE)

NO PARKING ANY TIME — TO REMAIN

SPEED LIMIT 30 — TO REMAIN

BIKE LANE / NO PARKING ANY TIME — TO REMAIN

93+00 94+00 95+00 96+00 97+00 98+00

+50 FO 10+00 FO 11+00 FO 12+00 FO 13

POST

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023204_ps.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N First St
Fordem Av
E5-1

M METRO
E5-2

NO TRAIN HORN
E5-7

NO PARKING ANY TIME
E5-6

RIGHT LANE ENDS AHEAD
N First St
NO TRAIN HORN
E5-8

N First St
E Johnson St
E5-9

NO TURN ON RED
E5-11

CANADIAN PACIFIC

NO PARKING ANY TIME
E5-15

H
E5-17
TO REMAIN

TRUCK ROUTE
TO REMAIN

ONLY
ONLY
TRUCK ROUTE
E5-18

MATCHLINE STA. 98+00

00 +50 99+00 +50 100+00 +50 101+00 +50 102+00 +50 103+00 +50 104

MATCHLINE STA. 104+00

POST
POST
POST
POST
POST
POST
POST
POST
POST
POST

E. JOHNSON STREET

+50 Ft
11+00 Ft
+50 Ft

STH 113 (N. FIRST ST.)

E5-3
NO PARKING ANY TIME
BIKE ROUTE

E5-4
PUBLIC WASTE OIL COLLECTION POINT

E5-5

E5-10
TURNING VEHICLES YIELD TO PEDESTRIANS AND BIKES
TURNING VEHICLES YIELD TO PEDESTRIANS AND BIKES

E5-12

E5-14
NORTH
113

E5-16
SOUTH
113

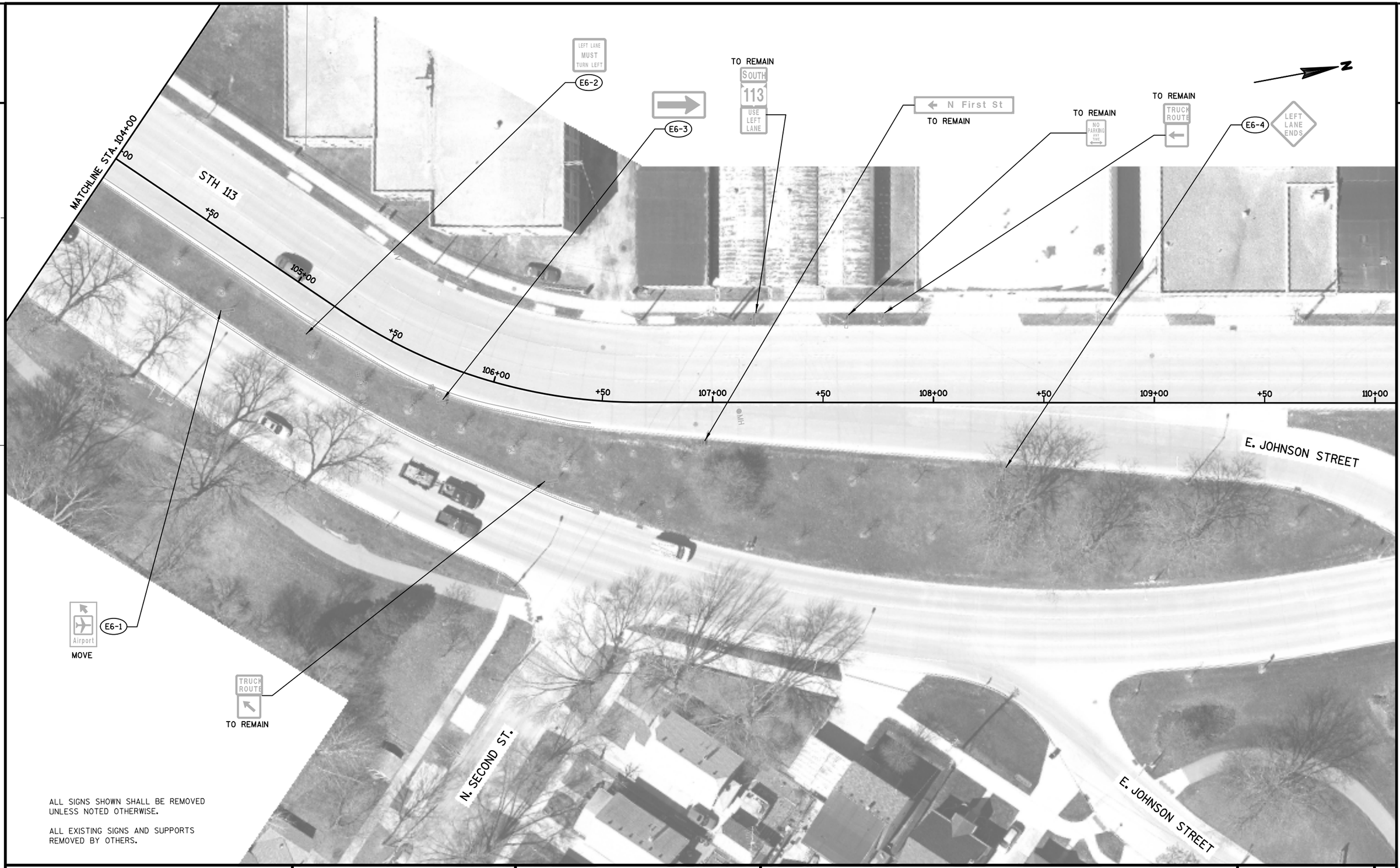
E5-13
N First St
BIKE ROUTE

ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS REMOVED BY OTHERS.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET 112	E

2

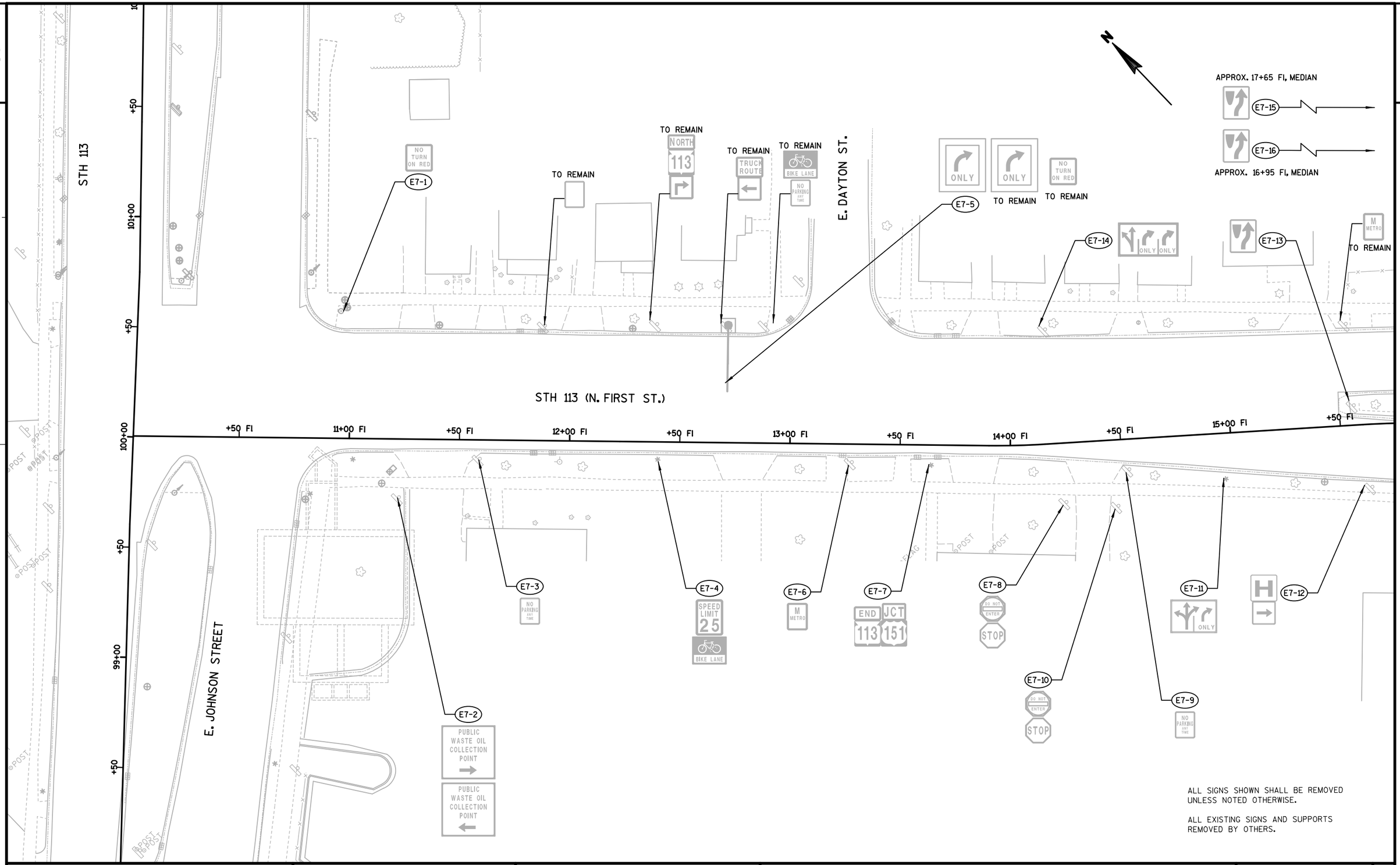


ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS REMOVED BY OTHERS.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023206_ps.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS REMOVED BY OTHERS.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET 114	E

2

2

N. BALDWIN ST.

MARSTON AVE.

E. JOHNSON STREET

MATCHLINE STA. 80+00

+50 75+00 +50 76+00 +50 77+00 +50 78+00 +50 79+00 +50 80

**** NO PARKING ANY TIME R7-1D 18" X 24" 1-5

SPEED LIMIT 25 R2-1 24" X 30" 1-6 1-7

**** NO PARKING ANY TIME R7-1D 18" X 24" 1-10

Marston Ave / E Johnson St 1-9

R4-7 24" X 30" 1-8

*** M METRO

* NO PARKING ANY TIME R7-1D 18" X 24" 1-1

SPEED LIMIT 25 R2-1 24" X 30" 1-2 1-3

SS ABANDONED PRIVATE STORM

**** NO PARKING ANY TIME R7-1D 18" X 24" 1-4

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS.

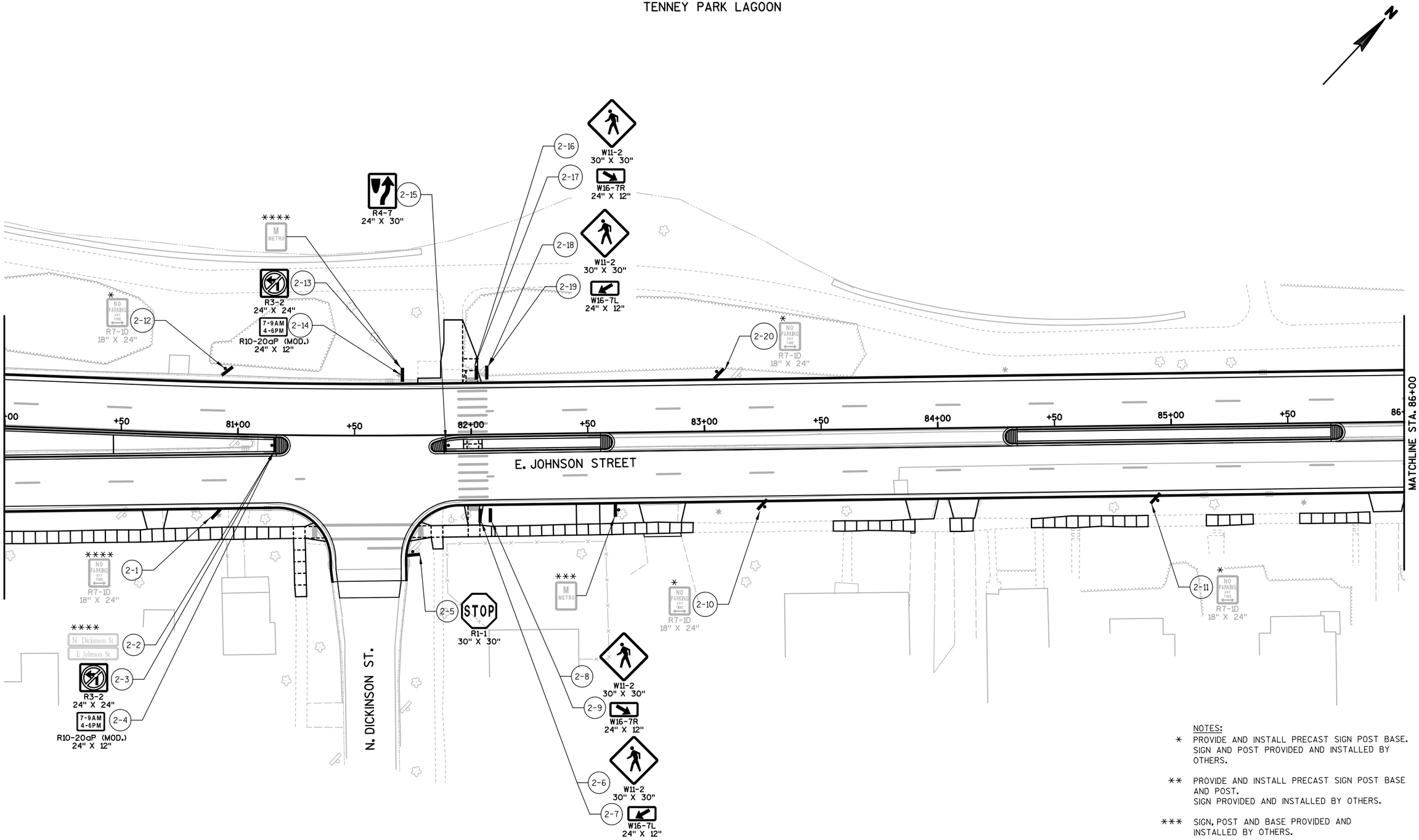
** PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET 115	E

TENNEY PARK LAGOON



NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS.

** PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET 116	E

2

TENNEY PARK LAGOON

YAHARA RIVER

TENNEY PARK

E. JOHNSON STREET

N. THORNTON AVENUE

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

87+00

88+00

89+00

90+00

91+00

+50

10+00 YP

+50 PL

11+00 PL

+50 YP

11+00 YP

12+00 YP

3-1 NO PARKING ANY TIME R7-1D 18" X 24"

3-2 W11-2 30" X 30"

3-3 W16-7L 24" X 12"

3-4 NO PARKING 8AM - 12PM THURSDAYS MAY THROUGH SEPT

3-5 W5-56 18" X 18"

3-6

3-7

3-8 NO PARKING IN THIS CIRCLE

3-9 NO PARKING THIS SIDE

3-10 BIKE ROUTE

3-11 W1-7 24" X 12"

3-12 W1-1L 18" X 18"

3-13 NO PARKING ANY TIME R7-1D 18" X 24"

3-14 W11-2 30" X 30"

3-15 W16-7L 24" X 12"

3-16 NO PARKING ANY TIME R7-1D 18" X 24"

3-17 ALTERNATE SIDE PARKING

3-18 SPEED LIMIT 25 R2-1 24" X 30"

3-19

3-20 NO PARKING ANY TIME R7-1D 18" X 24"

3-21 ALTERNATE SIDE PARKING

M METRO

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS.

** PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET 117	E

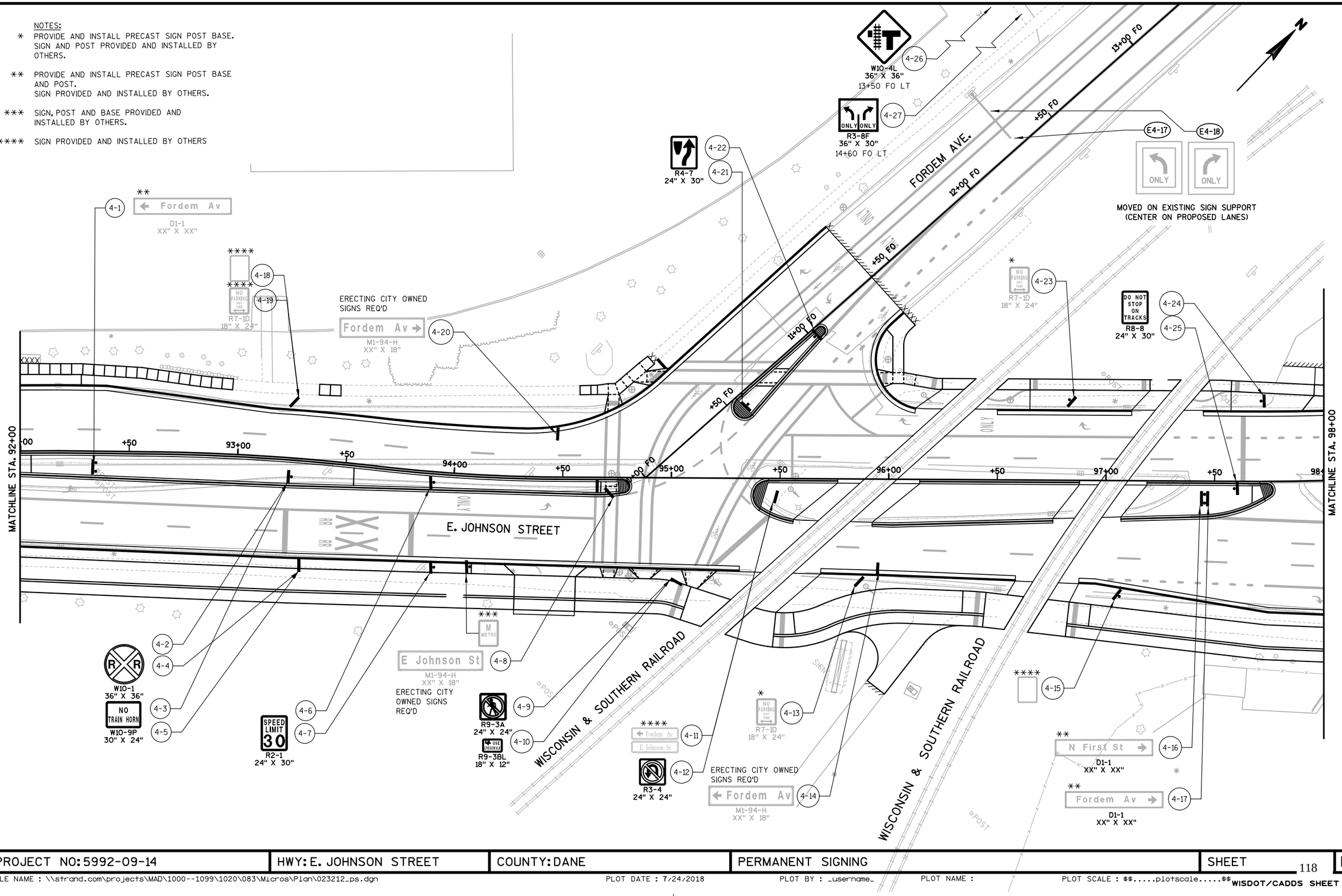
NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS.

** PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023212_ps.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS.

** PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS

5-1 * BIKE ROUTE

5-2 * PUBLIC WASTE OIL COLLECTION POINT

5-3 NO TURN ON RED R10-11B 24" X 24"

5-4 * BIKE ROUTE

5-5 NO TURN ON RED R10-11 24" X 30"

5-6 ERECTING CITY OWNED SIGNS REQ'D — N First St — M1-94-H XX" X 18"

5-7 SOUTH 113 J3-1 24" X 57"

5-8 H D9-2 24" X 24" — MB6-1 21" X 21"

5-9 R3-4 24" X 24"

5-10 R3-4 24" X 24"

5-11 * NO PARKING ANY TIME R7-1D 18" X 24"

5-12 R R W10-1 36" X 36"

5-13 NO TRAIN HORN W10-9P 30" X 24"

5-14 R R W10-1 36" X 36"

5-15 NO TRAIN HORN W10-9P 30" X 24"

5-16 ERECTING CITY OWNED SIGNS REQ'D — N First St — M1-94-H XX" X 18"

5-17 **** N. First St / E. Johnson St

5-18 R3-4 24" X 24"

5-19 ERECTING CITY OWNED SIGNS REQ'D — E Johnson St — M1-94-H XX" X 18"

5-20 NO TURN ON RED R10-11 24" X 30"

5-21 ****

5-22 * NO PARKING ANY TIME R7-1D 18" X 24"

*** M METRO

SIGNING FOR OUTSIDE LANE DROP BY OTHERS

MOVING STRUCTURAL STEEL SIGN SUPPORTS; CONCRETE BASE TYPE LB-8 REQ'D (MOVED FROM 103+15 TO 104+00)

CANADIAN PACIFIC

E. JOHNSON STREET

STH 113 (N. FIRST ST.)

MATCHLINE STA. 98+00

MATCHLINE STA. 104+00

98+00 +50 99+00 +50 100+00 +50 101+00 +50 102+00 +50 103+00 +50 104

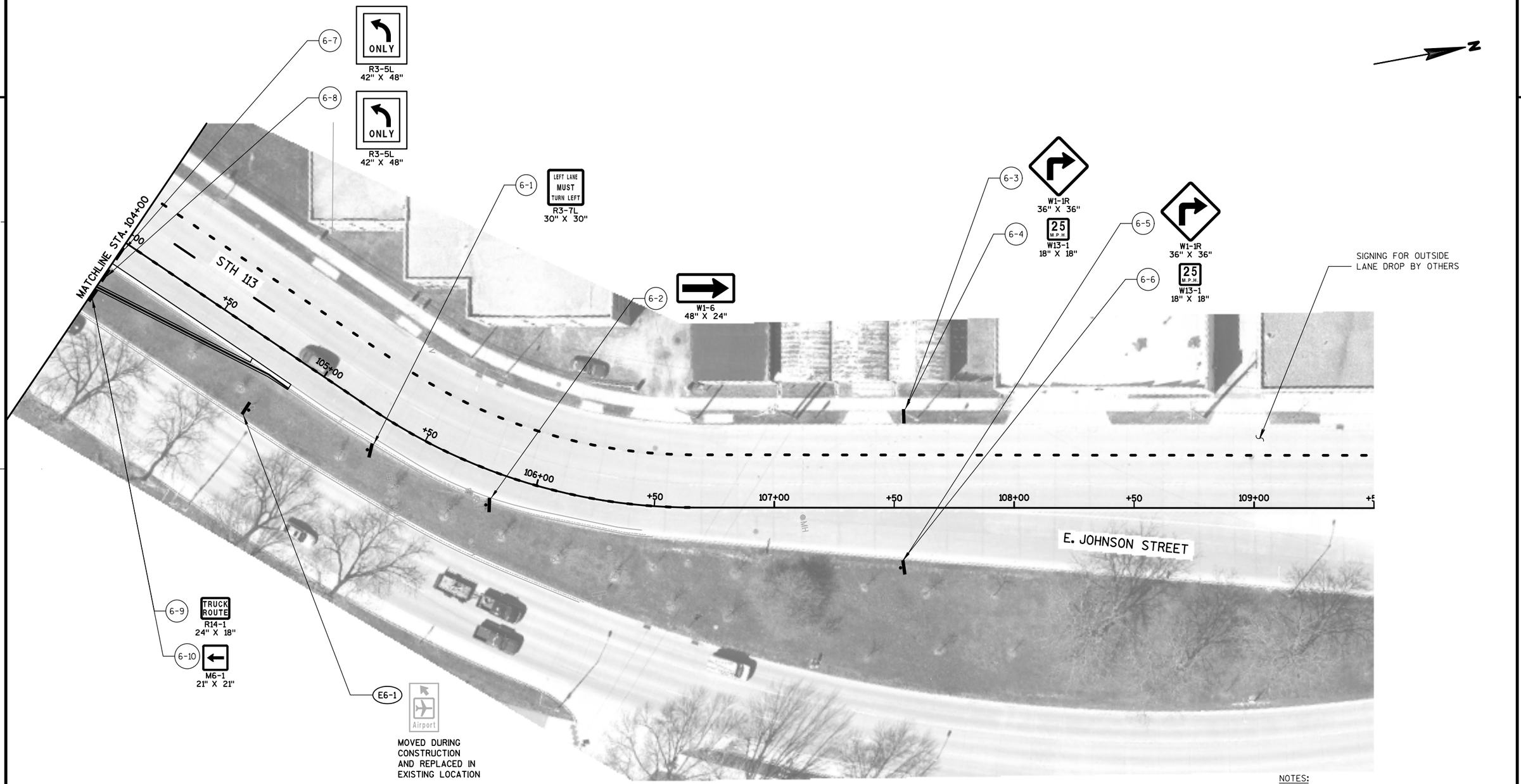
+50 FT +50 FT 100 FT

ONLY ONLY ONLY ONLY ONLY

POST

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\023213_ps.dgn PLOT DATE : 7/30/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS.

** PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET 120	E

2

STH 113

E. DAYTON ST.

STH 113 (N. FIRST ST.)

E. JOHNSON STREET

7-1 * PUBLIC WASTE OIL COLLECTION POINT

7-2 R4-7 24" X 30"

7-3 * NO PARKING ANY TIME R7-1D 18" X 24"

7-4 **** BIKE LANE R3-17 30" X 24"

7-5 SPEED LIMIT 25 R2-1 24" X 30"

7-6 END JCT 113 151 J1-2 48" X 39"

7-7 DO NOT ENTER R5-1 30" X 30"

7-8 STOP R1-1 30" X 30"

7-9 DO NOT ENTER R5-1 30" X 30"

7-10 STOP R1-1 30" X 30"

7-11 * NO PARKING ANY TIME R7-1D 18" X 24"

7-12 ONLY R3-8J 42" X 30"

7-13 R4-7 24" X 30"

7-14 R4-7 24" X 30"

7-15 R3-6R 42" X 48"

7-16 ONLY ONLY ONLY R3-8U 72" X 30"

7-17 D9-2 24" X 24" H MB6-1 21" X 21" J13-1 24" X 45"

*** M METRO

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS.

** PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023215_ps.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

N. BALDWIN ST.

MARSTON AVE.

E. JOHNSON STREET

JOY GANDER-ROZZELL
310 MARSTON AVENUE

ELLEN JO HANSEN
305 N. BALDWIN STREET

ALMA HOWLAND
306 MARSTON AVENUE

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

STEPHEN W LEDERER
223 N. BALDWIN STREET

ROBERT T PEDLEY
1305 E. JOHNSON STREET

TOMOTHY W NEWPORT
KATHLEEN M NEWPORT
1317 E. JOHNSON STREET

GUNNAR A BERGERSEN
1319 E. JOHNSON STREET

STREET LIGHT
REMOVAL

SL3976
LC1/1A

SL3974
LC1/1A

SL3972
LC1/1A

SL3975
LC1/2A

SL3973
LC1/2A

L725

HH1

HH2

HH3

HH4

LC1

+50 75+00 +50 76+00 +50 77+00 +50 78+00 +50 79+00 +50 80+00

MATCHLINE STA. 80+00

LEGEND

- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

XXXX POLE # ("SL" FOR 30 FOOT POLE, "L" FOR PEDESTRIAN SCALE POLE)
XXX/XX STREET LIGHT CABINET/CIRCUIT#

PROJECT NO:5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 122	E

LEGEND

- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

XXXX — POLE # ("SL" FOR 30 FOOT POLE. "L" FOR PEDESTRIAN SCALE POLE)
XXX / XX — STREET LIGHT CABINET/CIRCUIT#

TENNEY PARK LAGOON

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

SL3970
LC1/1A

SB1

HH7

STREET LIGHT
REMOVAL

SL3968
LC1/3M

MATCHLINE STA. 80+00

81+00 | 82+00 | 83+00 | 84+00 | 85+00 | MATCHLINE STA. 86+00

SB2

HH6

E. JOHNSON STREET

SL3971
LC1/4M

SB3

HH5

SL3969
LC1/2A

HH8

SL3967
LC1/4M

STREET LIGHT
REMOVAL

N. DICKINSON ST.

KEVIN GLUNN
1353 E. JOHNSON STREET

IRENE KILCOYNE
1343 E. JOHNSON STREET

BEJAMIN ALTSCHUL
211 N. DICKINSON STREET

KEVIN O'DRISCOLL
KELLY O'DRISCOLL
1415 E. JOHNSON STREET

JESSICA MULHALL
1425 E. JOHNSON STREET

CHARLES CARPENTER ET AL
1429 E. JOHNSON STREET

CHARLES CARPENTER ET AL
1433 E. JOHNSON STREET

TOL
1441

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023502_lp.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

2

TENNEY PARK

TENNEY PARK LAGOON

L075
LC1/1A

YAHARA RIVER

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

CITY OF MADISON PARKS

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

N

SL3966
LC1/1A

STREET LIGHT
REMOVAL

STREET LIGHT
REMOVAL

STREET LIGHT
REMOVAL

SL3961
LC2/4M

HH9

HH10

HH15

L076
TC1

SL3963
LC2/2A

MATCHLINE STA. 86+00

87+00

88+00

89+00

90+00

91+00

92+00

+50

L077
TC1

L078
TC1

E. JOHNSON STREET

CONNECT TO EXISTING
SL CONDUIT

SL1964
LC1/2A

SL3962
LC2/7M

HH14

SL3960-1
LC2/5A

HH11

HH12

HH13

STREET LIGHT
REMOVAL

PUMP
TC1

STREET LIGHT
REMOVAL

L079
TC1

SL1964-1
LC1/2A

JSSAINT APARTMENTS LLC
1E. JOHNSON STREET

KAREN SCHAPPE
220 N. THORNTON AVENUE

CITY OF MADISON PARKS

STRUCTURE HAS A SUMP PUMP IN IT
WITH POWER RUNNING TO IT

CITY OF MADISON PARKS

MADISON GAS & ELECTRIC
1701 E. JOHNSON STREET

ROBERT MILLER TRUST
PATRICA MILLER TRUST
216 N. THORNTON AVENUE

N. THORNTON
AVENUE

LEGEND

- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

XXXX
XXX/XX — POLE # ("SL" FOR 30 FOOT POLE, "L" FOR PEDESTRIAN SCALE POLE)
STREET LIGHT CABINET/CIRCUIT#

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023503_lp.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

STATE OF WI WISDOT
1890 E. JOHNSON STREET

FORDEM AVE.

E. JOHNSON STREET

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

STATE OF WI WISDOT
1811 E. JOHNSON STREET

CITY OF MADISON ENGINEER
WALKWAYS & BIKEPATHS 536
1800 E. WASHINGTON AVENUE

MATCHLINE STAGE 2 STA. 92+00

MATCHLINE STAGE 2 STA. 98+00

HH16 HH17 HH18 HH19 HH20 HH21 HH22 HH23 HH24 HH25 HH26 HH27 HH28 HH29 HH30 HH31 HH32

TS1 TS2 TS3 TS4 TS5 TS6 TS7 TC1

L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15

5A 7M

SL3959 LC2/2A

SL3960 LC2/7M

SL3957 LC2/2A

SL3958 LC2/7M/5A

SL3956 LC2/2A

SL3954 LC2/2A

SL3955 LC2/5A/5A

SL3953 LC2

STREET LIGHT REMOVAL

92+00 93+00 94+00 95+00 96+00 97+00 98+00 +50 FO

LEGEND

- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

XXXX POLE # ("SL" FOR 30 FOOT POLE, "L" FOR PEDESTRIAN SCALE POLE)
XXX/XX STREET LIGHT CABINET/CIRCUIT#

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 125	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023504_lp.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

SOO LINE RR CO ROOM 1420
1894 E. JOHNSON STREET

FIRST JOHNSON CORPORATION
1898 E. JOHNSON STREET

CANADIAN PACIFIC

E. JOHNSON STREET

STH 113
(N. FIRST ST.)

MATCHLINE STA. 98+00

MATCHLINE STA. 11+50 FI

STREET LIGHT REMOVAL

SL3939
LC2/1A

SL3937
LC2/1A

SL3952
LC2

SL3950
LC2/6A

SL3940
LC2/1A

SL3936
LC2/1A

SL3942
LC2/1A

HH33 HH34 HH35 HH36 HH37 HH38 HH39 HH41 HH42 HH43 HH44 HH45 HH46 HH47

TS8 TS9 TS10 TS11 TS12 TS13 TS14 TS15 TS16 TS17 TS18 TS19

L16 L17 L18 L19 L20 L21 L27 L28 L29 L30 L31 L32 L33

LC2 TC2 2A 4M

99+00 100+00 101+00 102+00 103+00 104+

+50

24" san. abandoned

abandoned 54" MMSD BOX

abandoned 30" MMSD

8" san. abandoned

MADISON L&M WEBER GROUP
215 N. FIRST STREET
S 536

LEGEND

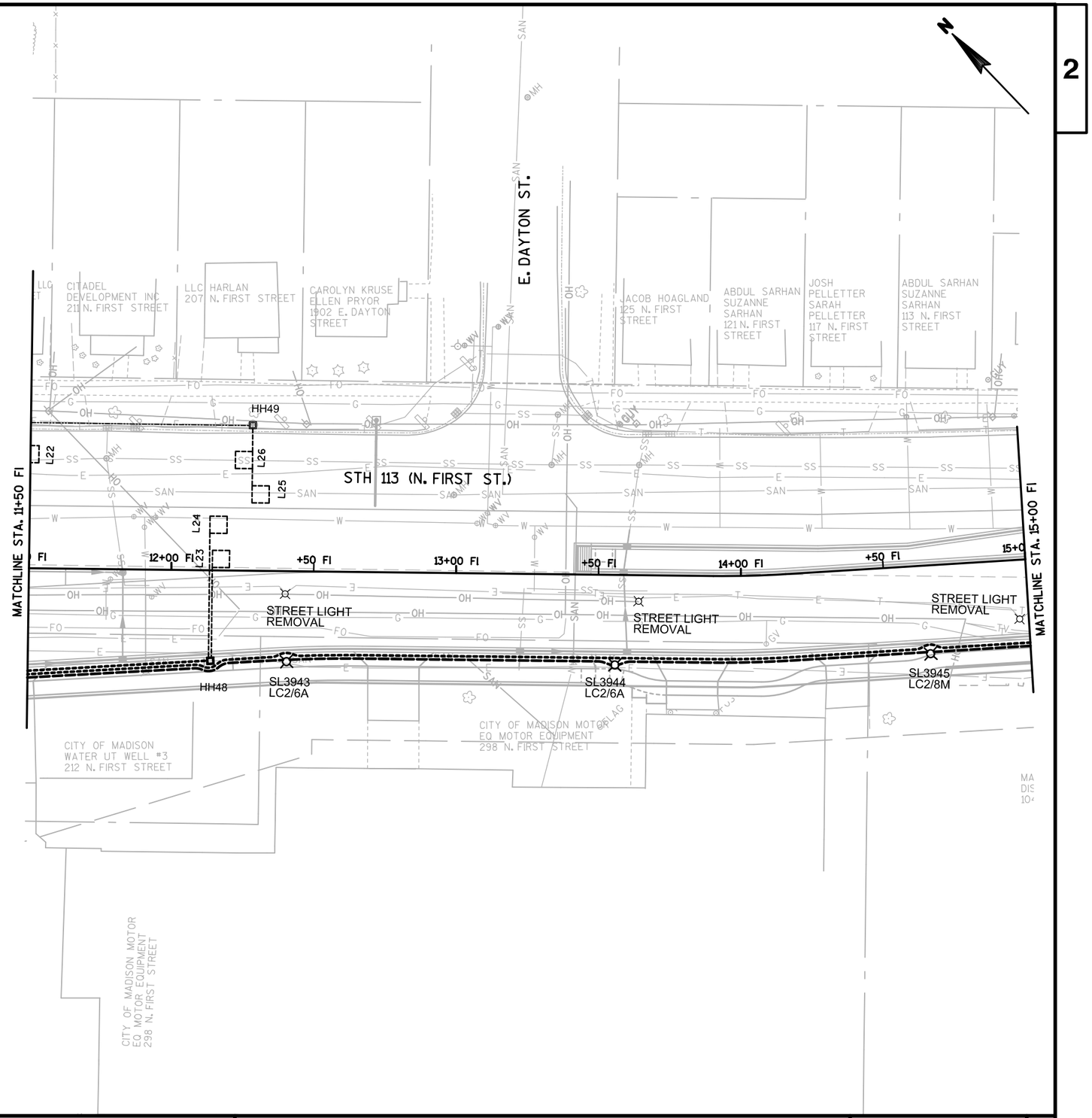
- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

XXXX POLE # ("SL" FOR 30 FOOT POLE, "L" FOR PEDESTRIAN SCALE POLE)
XXX/XX STREET LIGHT CABINET/CIRCUIT#

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023505_lp.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



LEGEND

- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

XXXX POLE # ("SL" FOR 30 FOOT POLE, "L" FOR PEDESTRIAN SCALE POLE)
XXX/XX STREET LIGHT CABINET/CIRCUIT#

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 127	E

2



LEGEND

- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

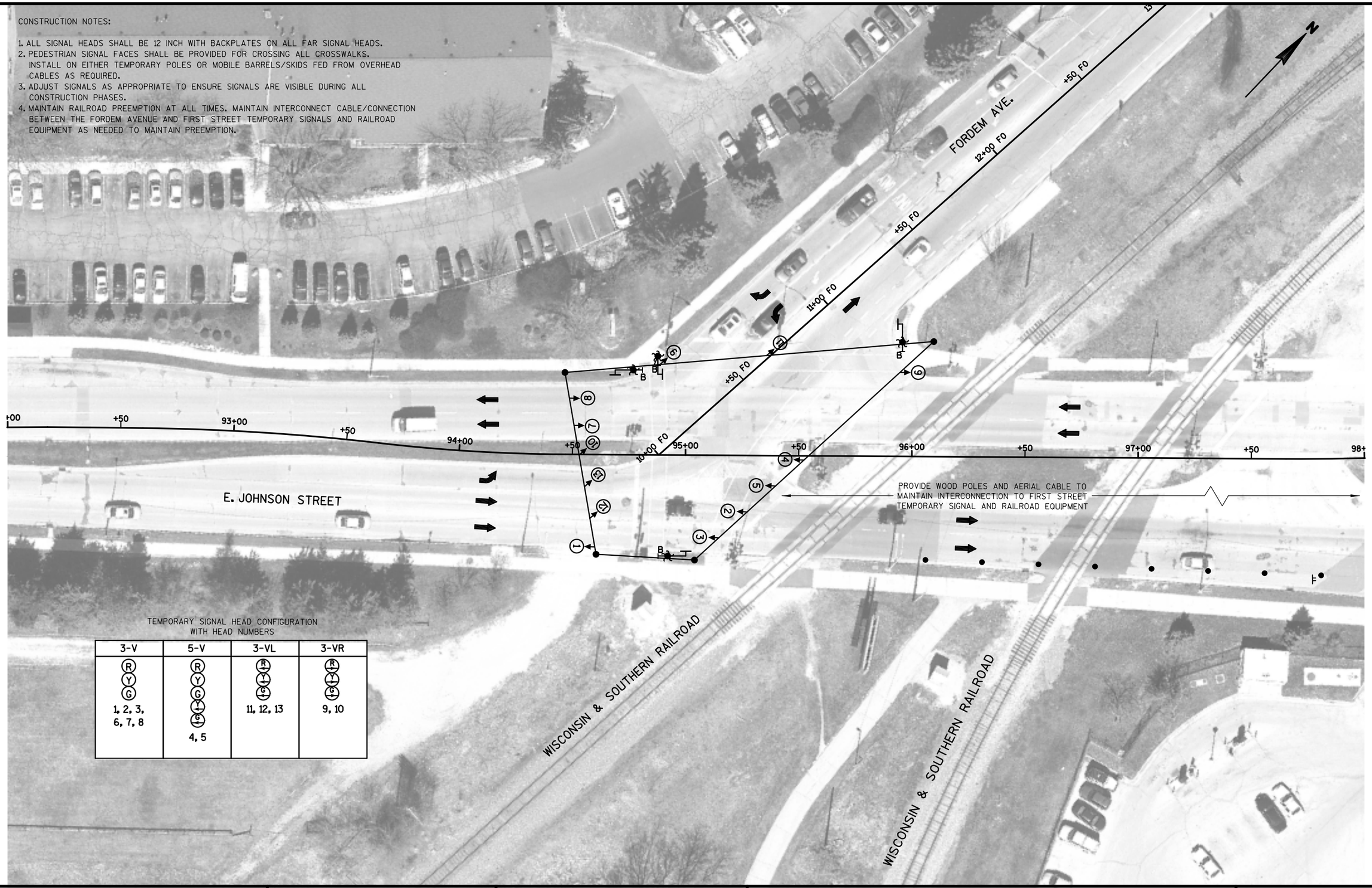
XXXX POLE # ("SL" FOR 30 FOOT POLE, "L" FOR PEDESTRIAN SCALE POLE)
XXX/XX STREET LIGHT CABINET/CIRCUIT#

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023507_lp.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



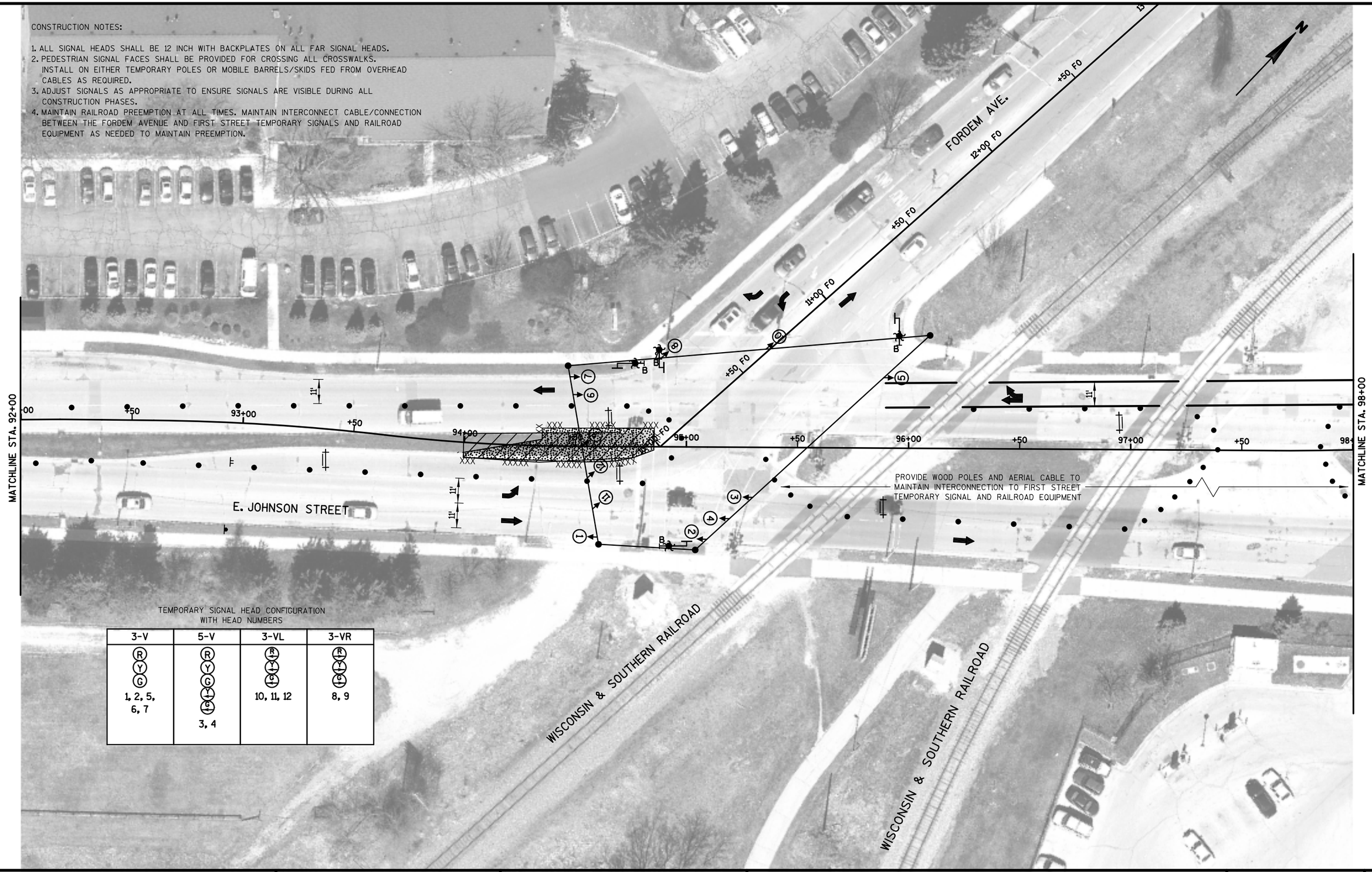
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	5-V	3-VL	3-VR
R Y G	R Y G 4 5	11, 12, 13	9, 10
1, 2, 3, 6, 7, 8	4, 5		

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1A	SHEET 129	E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



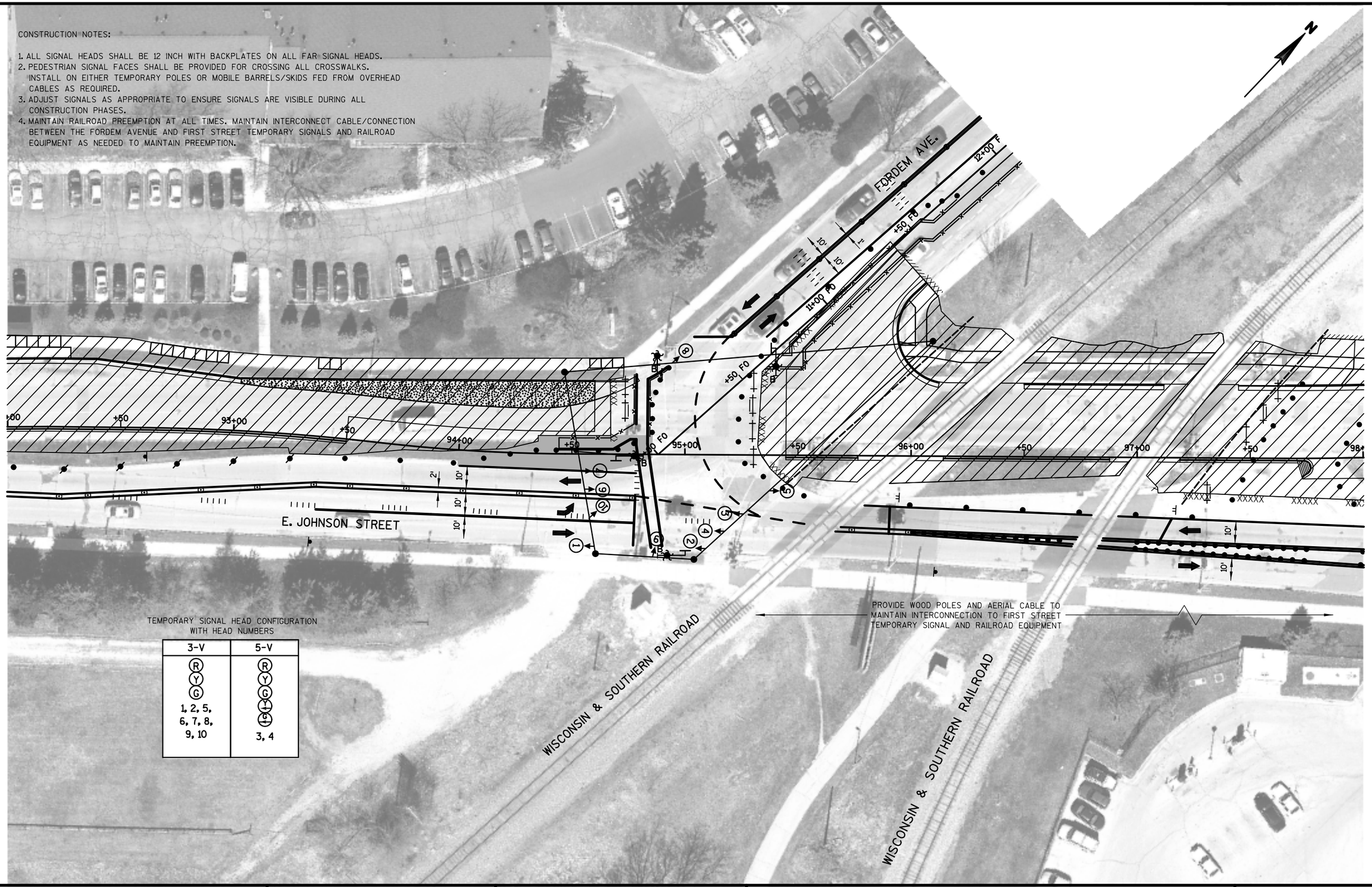
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	5-V	3-VL	3-VR
R Y G	R Y G 4 5	4 5 10	4 5 8
1, 2, 5, 6, 7	3, 4	10, 11, 12	8, 9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1B	SHEET 130	E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



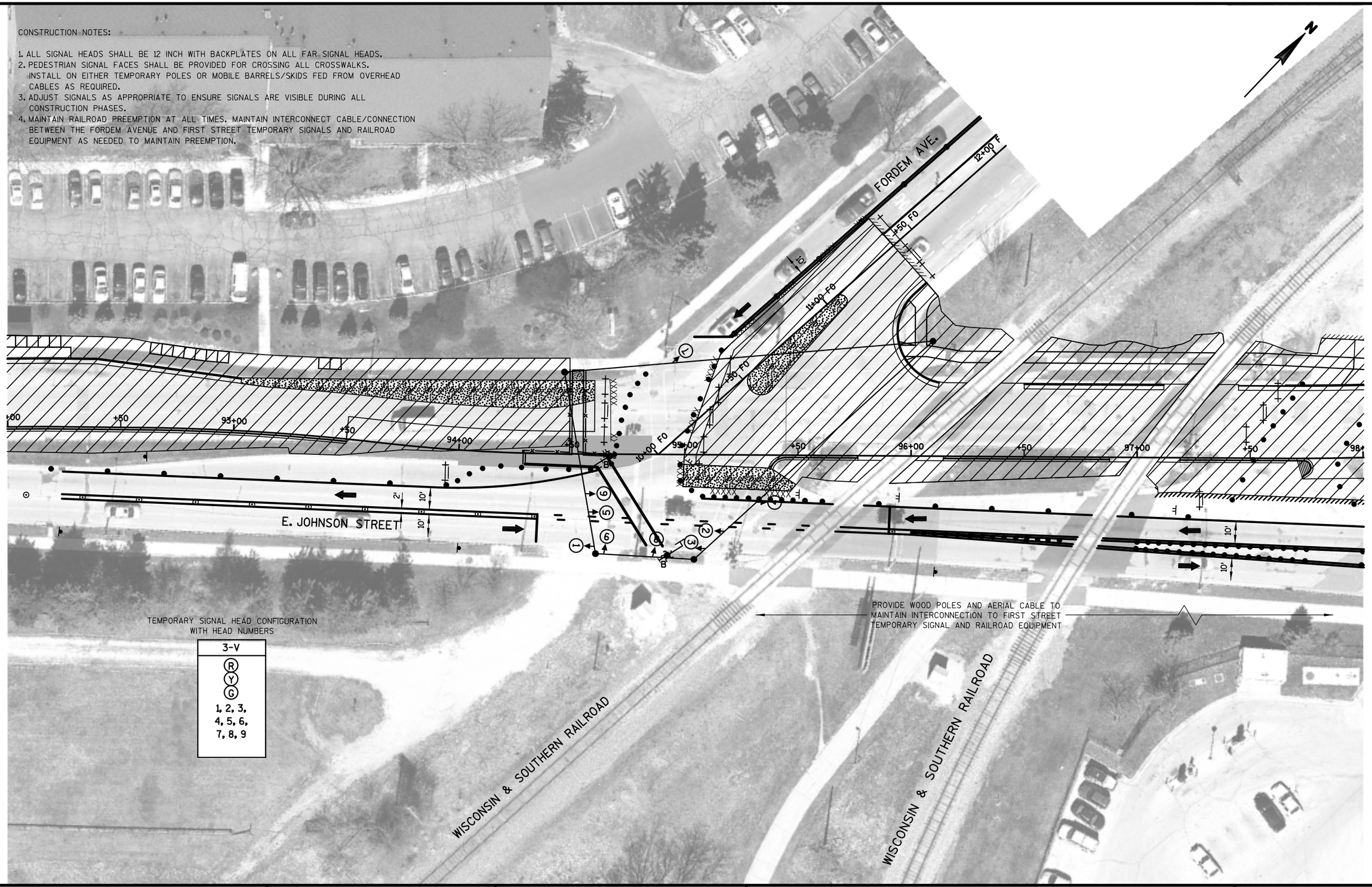
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	5-V
R Y G 1, 2, 5, 6, 7, 8, 9, 10	R Y G (1) (4) 3, 4

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2	SHEET 131 E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.

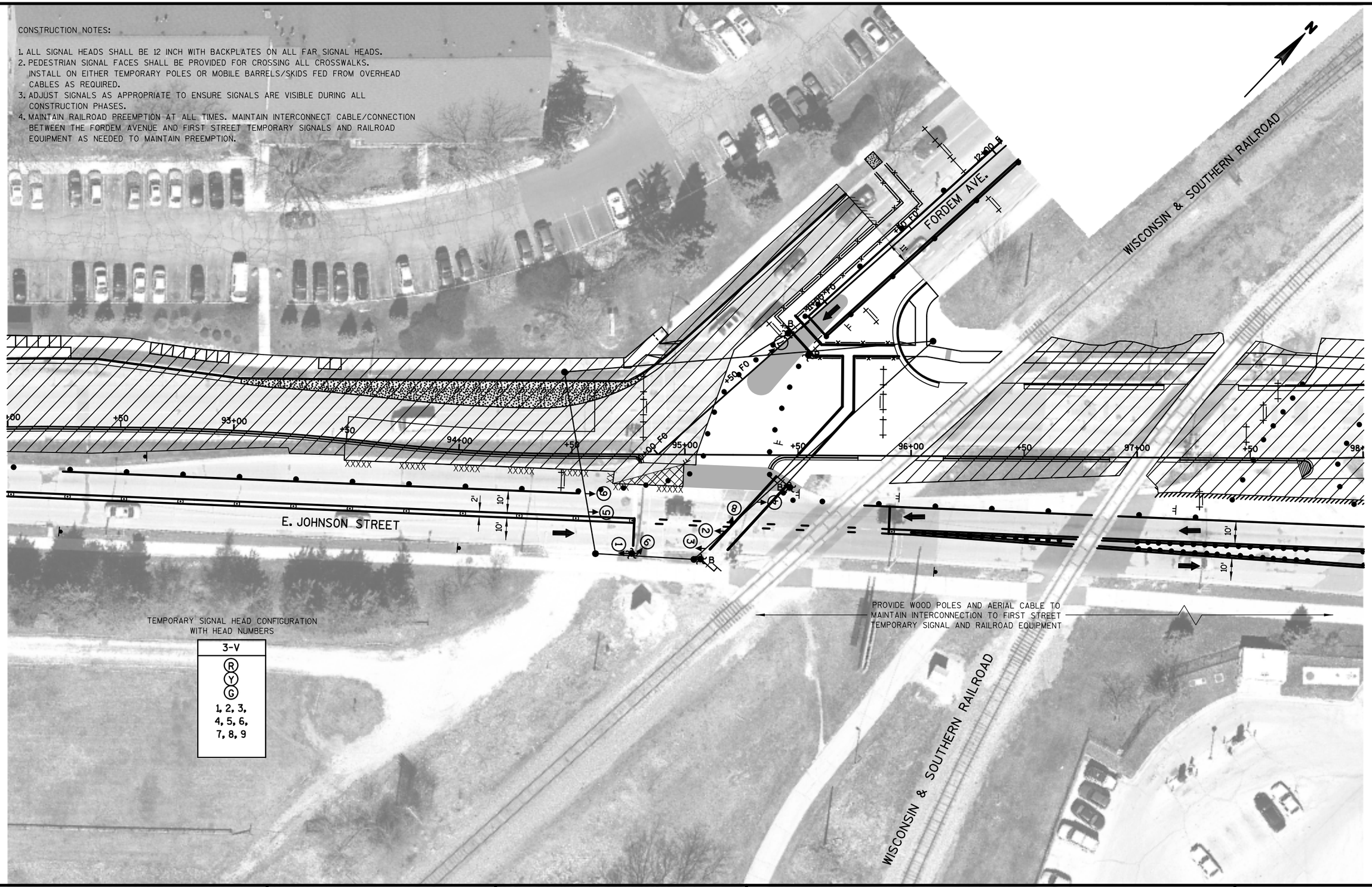


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2A	SHEET 132	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024004_tsp_Stage 2a (Fordem).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

CONSTRUCTION NOTES:

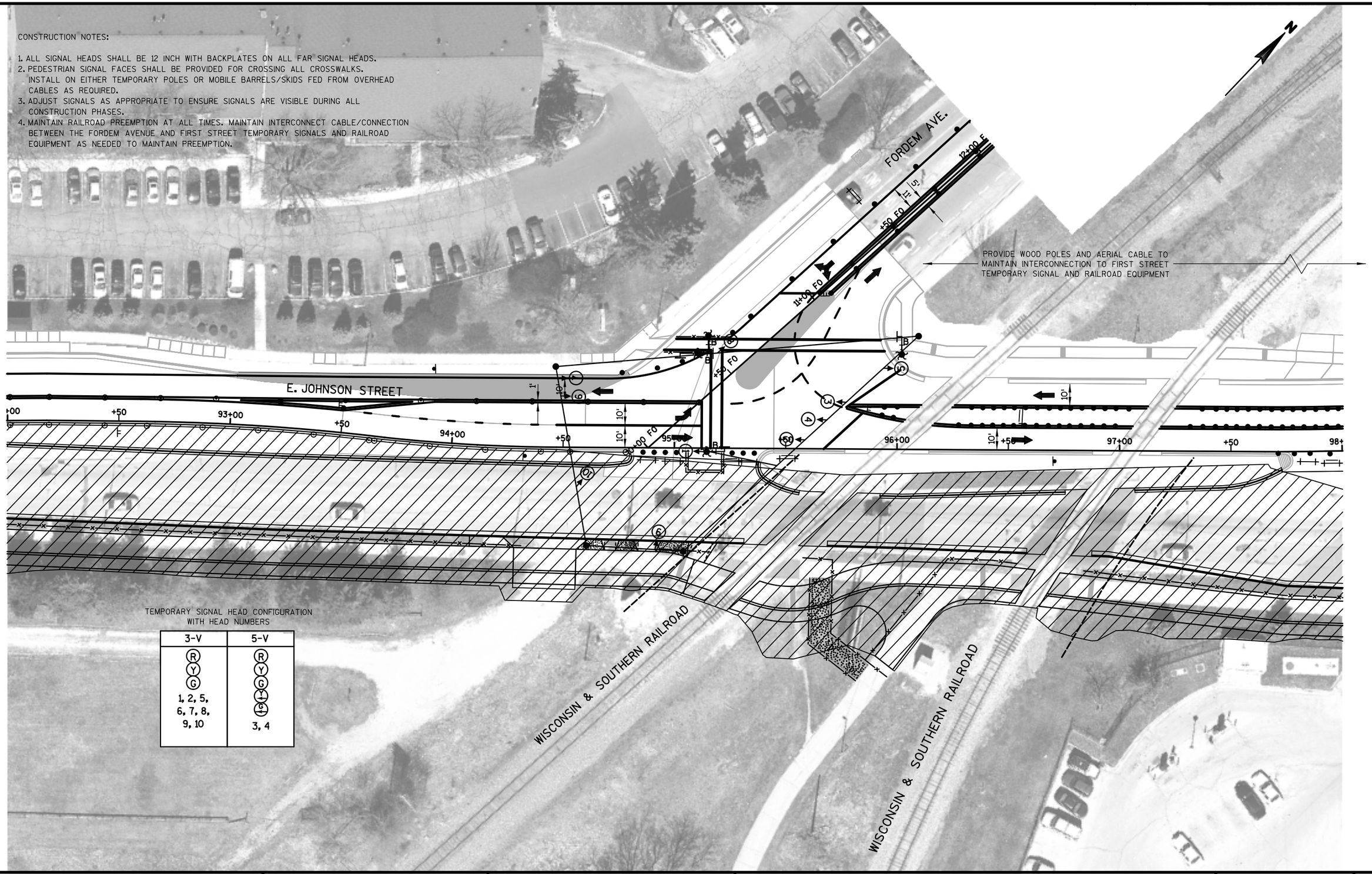
1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2B	SHEET 133 E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



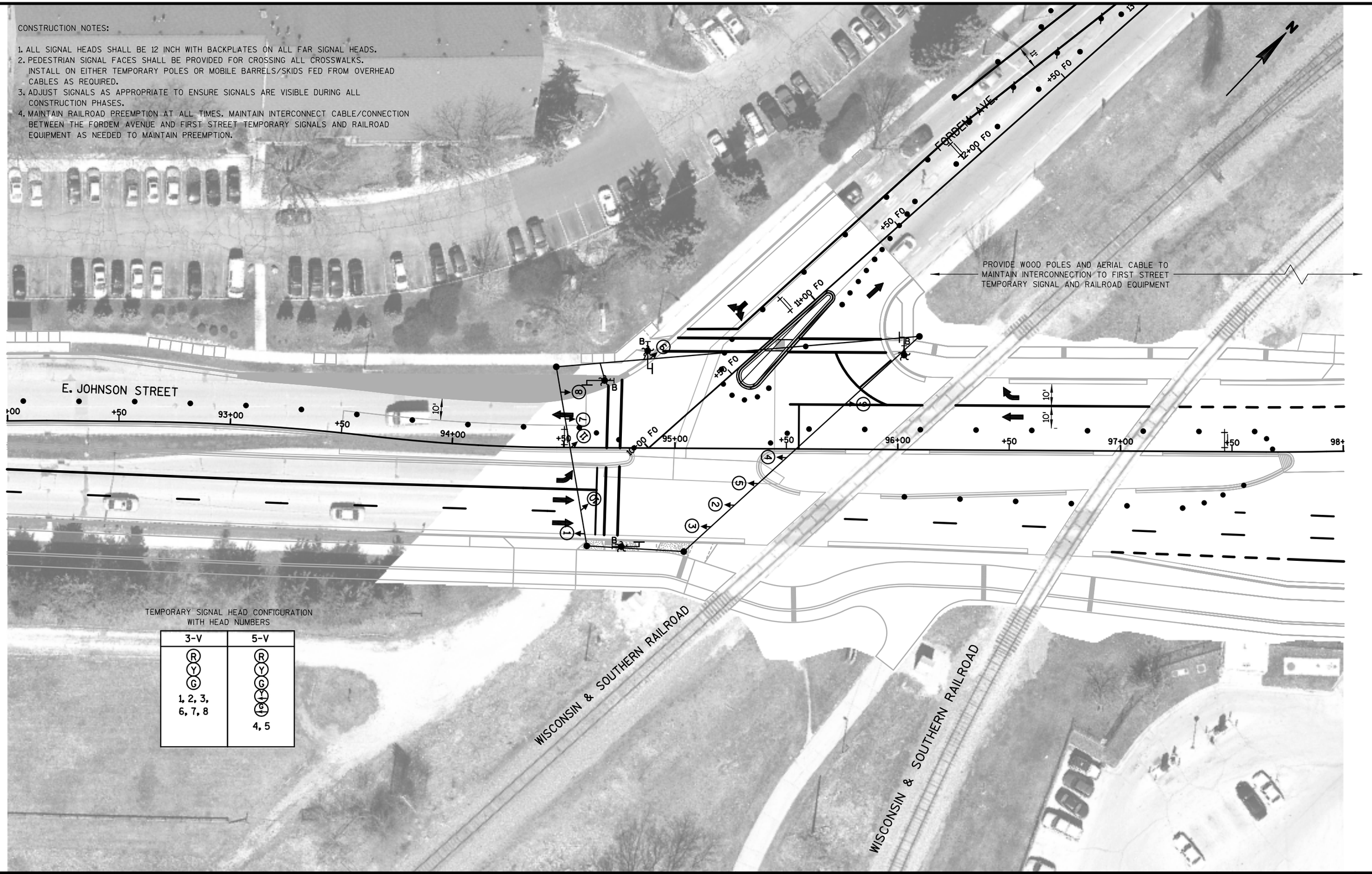
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	5-V
(R) (Y) (G) 1, 2, 5, 6, 7, 8, 9, 10	(R) (Y) (G) (←) (↑) 3, 4

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 134	E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

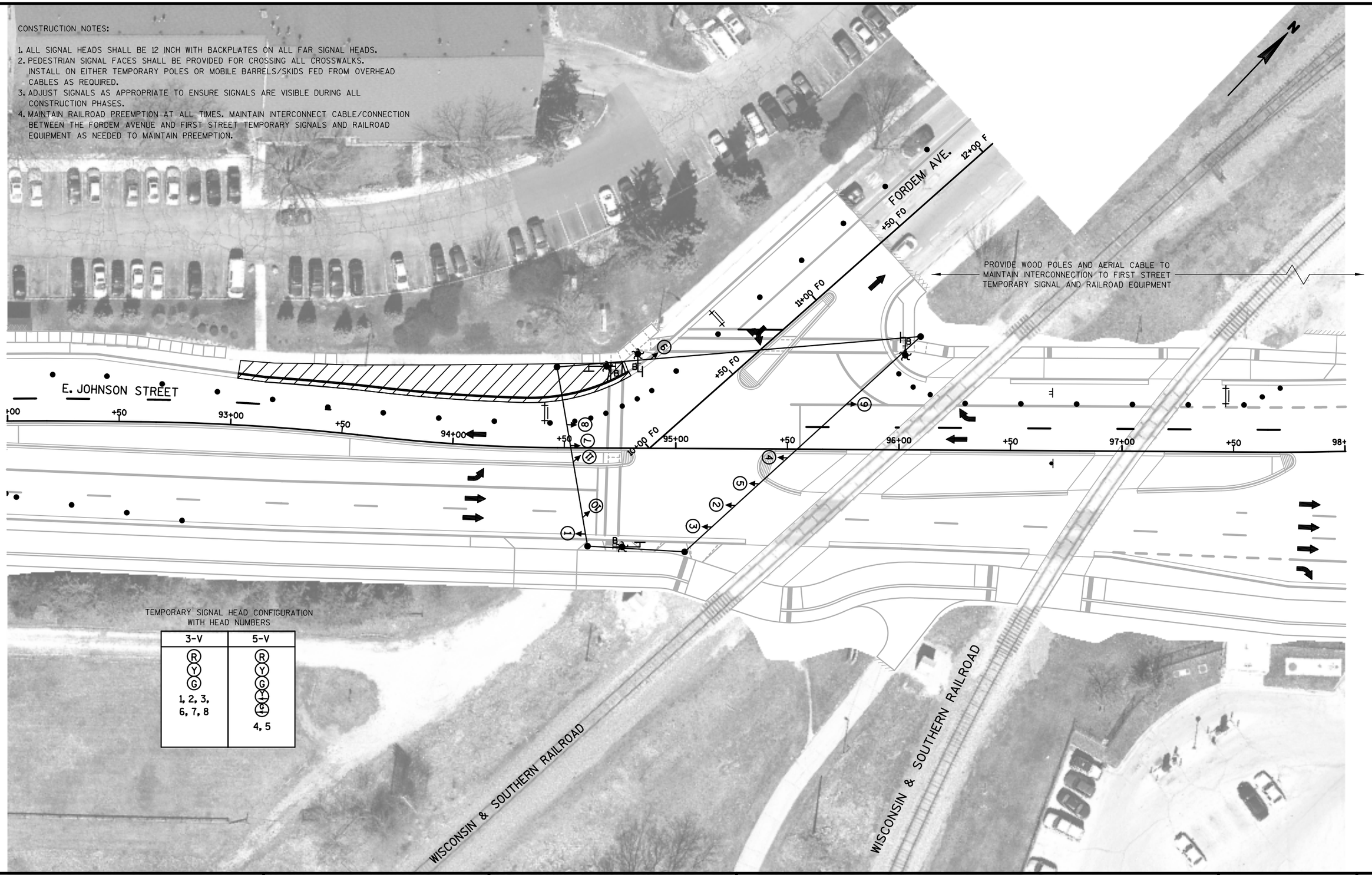
3-V	5-V
R Y G 1, 2, 3, 6, 7, 8	R Y G LT 4, 5

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024007_tsp_Stage 4 (Fordem).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

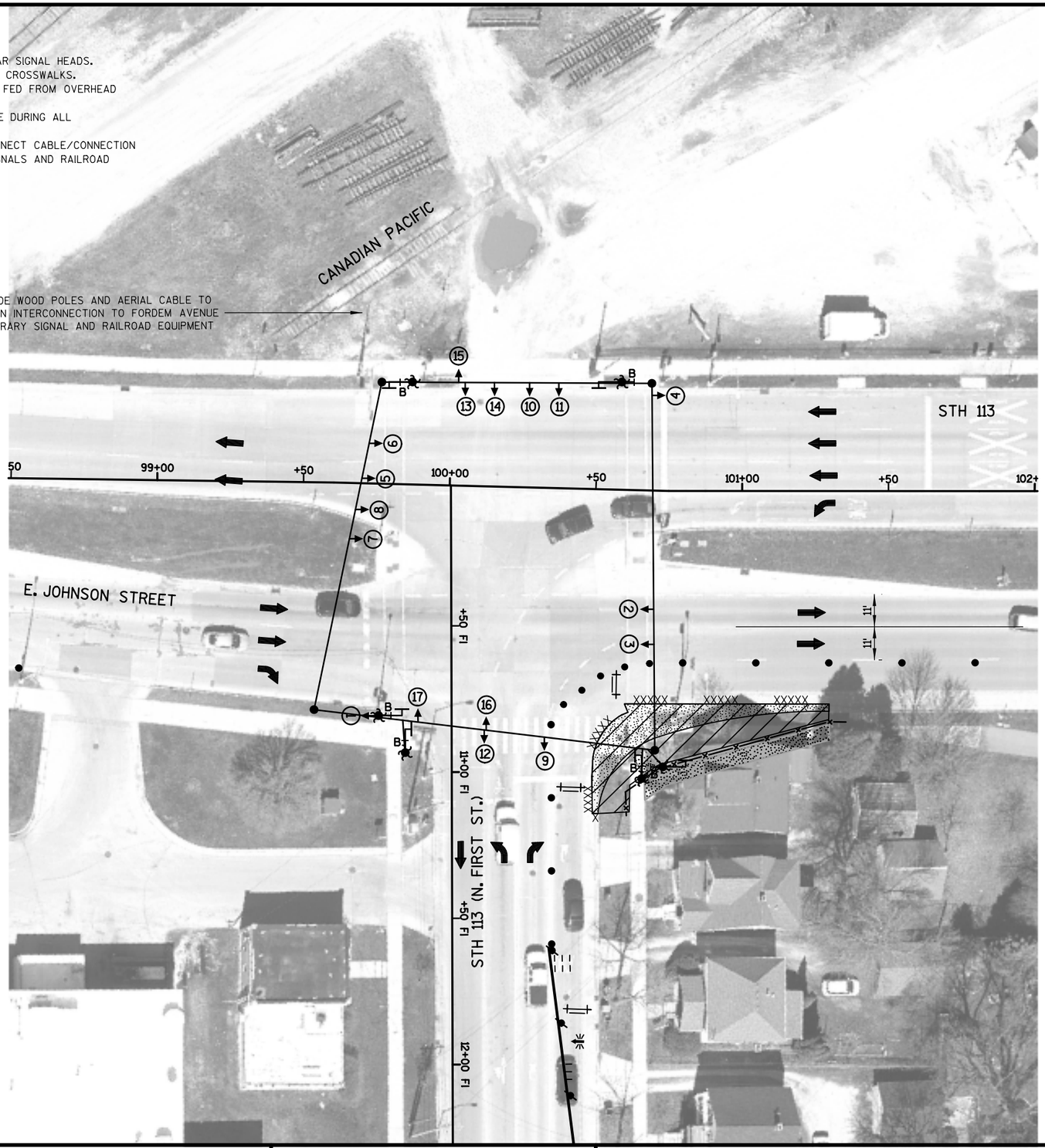
3-V	5-V
R Y G 1, 2, 3, 6, 7, 8	R Y G LT 4, 5

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024008_tsp_Stage 4ab (Fordem).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

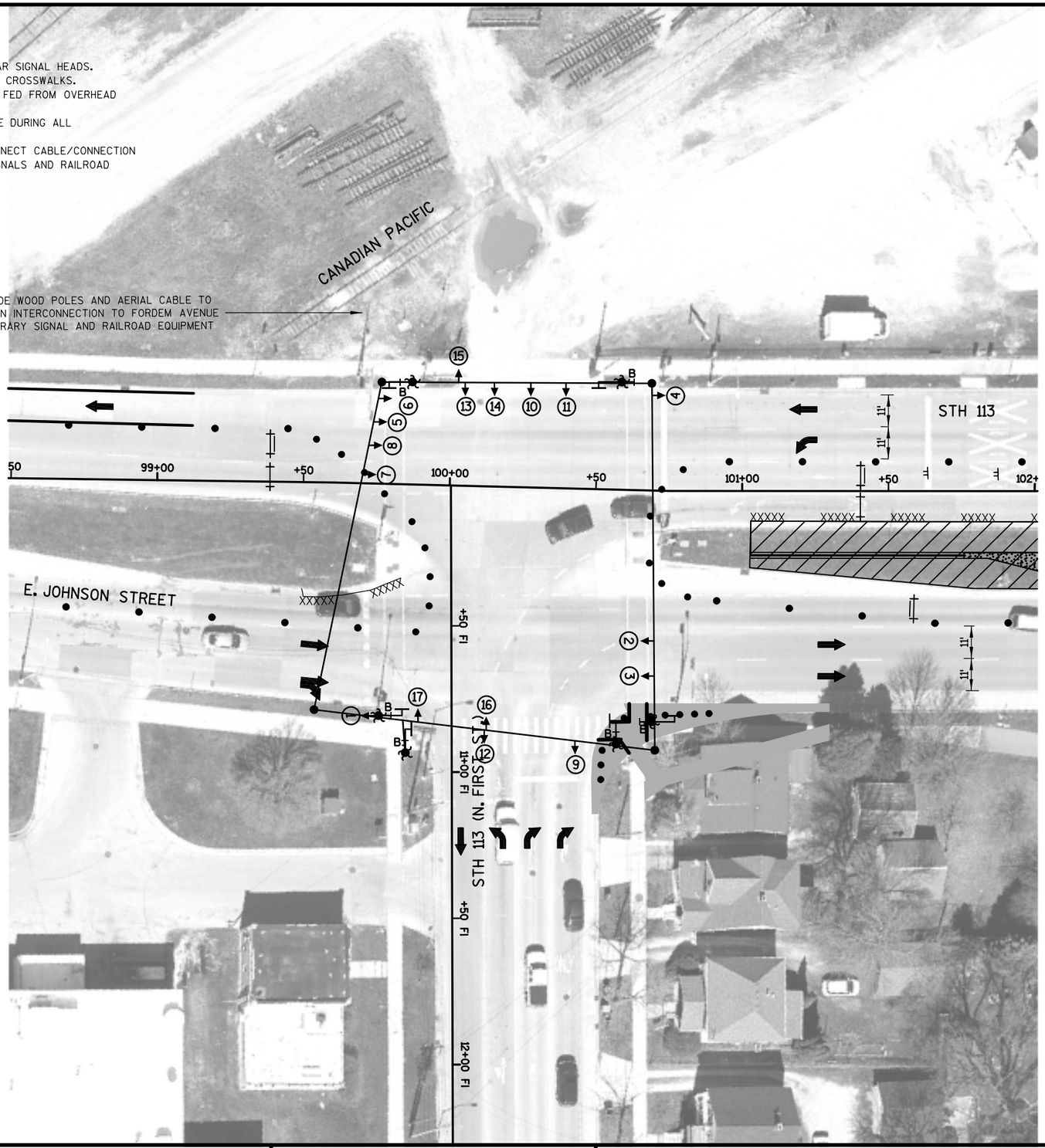
CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.


CANADIAN PACIFIC
PROVIDE WOOD POLES AND AERIAL CABLE TO MAINTAIN INTERCONNECTION TO FORDEM AVENUE TEMPORARY SIGNAL AND RAILROAD EQUIPMENT
STH 113
E. JOHNSON STREET
STH 113 (N. FIRST ST.)
99+00
+50
100+00
+50
101+00
+50
102+
+50 FT
11+00 FT
+50 FT
12+00 FT
11'
11'
B
B
B

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

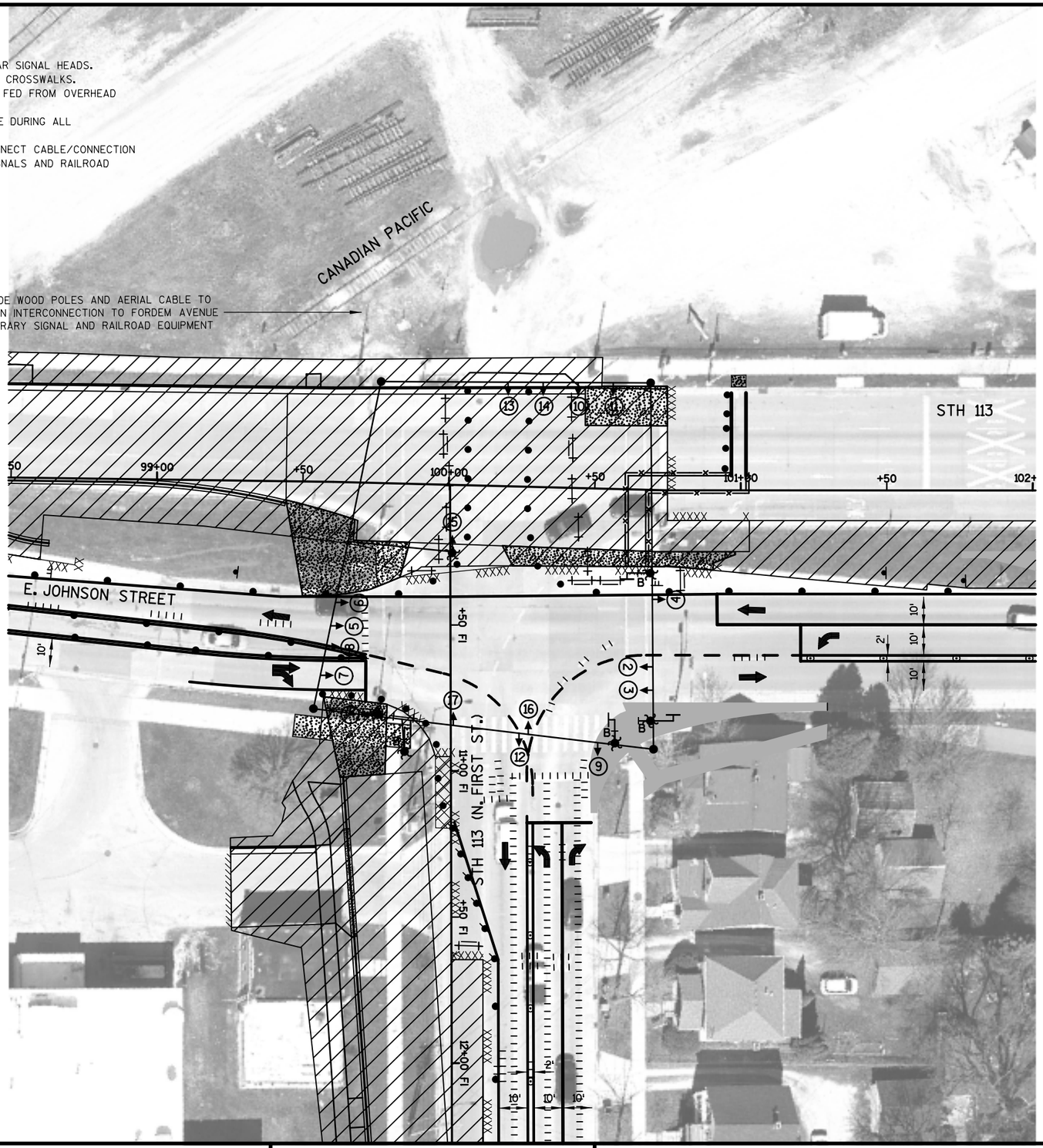
3-V	3-VL	3-VR
R Y G	R Y G	R Y G
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024022_tsp_Stage 1b (First).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

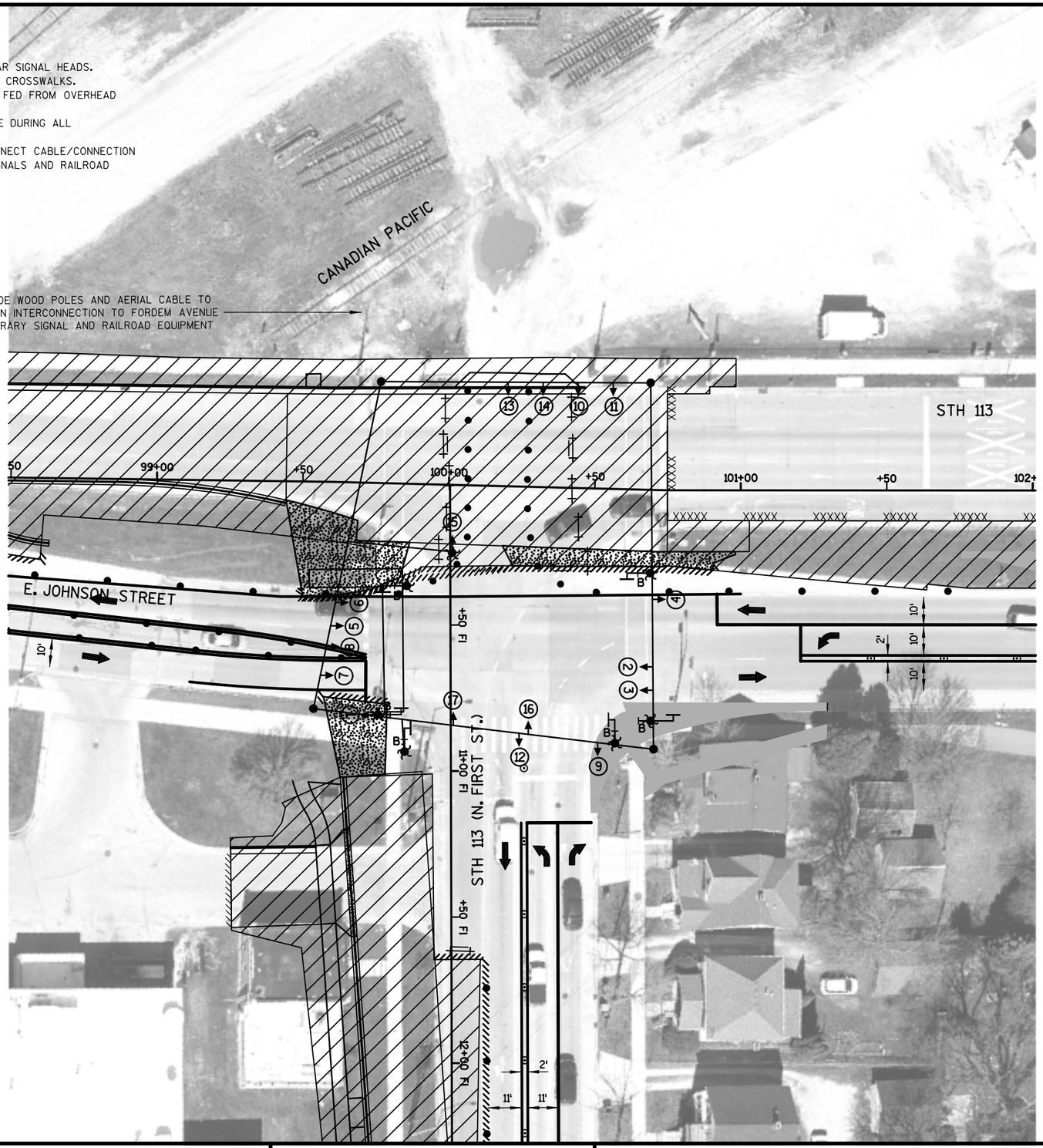
3-V	3-VL	3-VR
R Y G	R Y G	R Y G
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2 & 2A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024023_tsp_Stage 2 and 2a (First).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

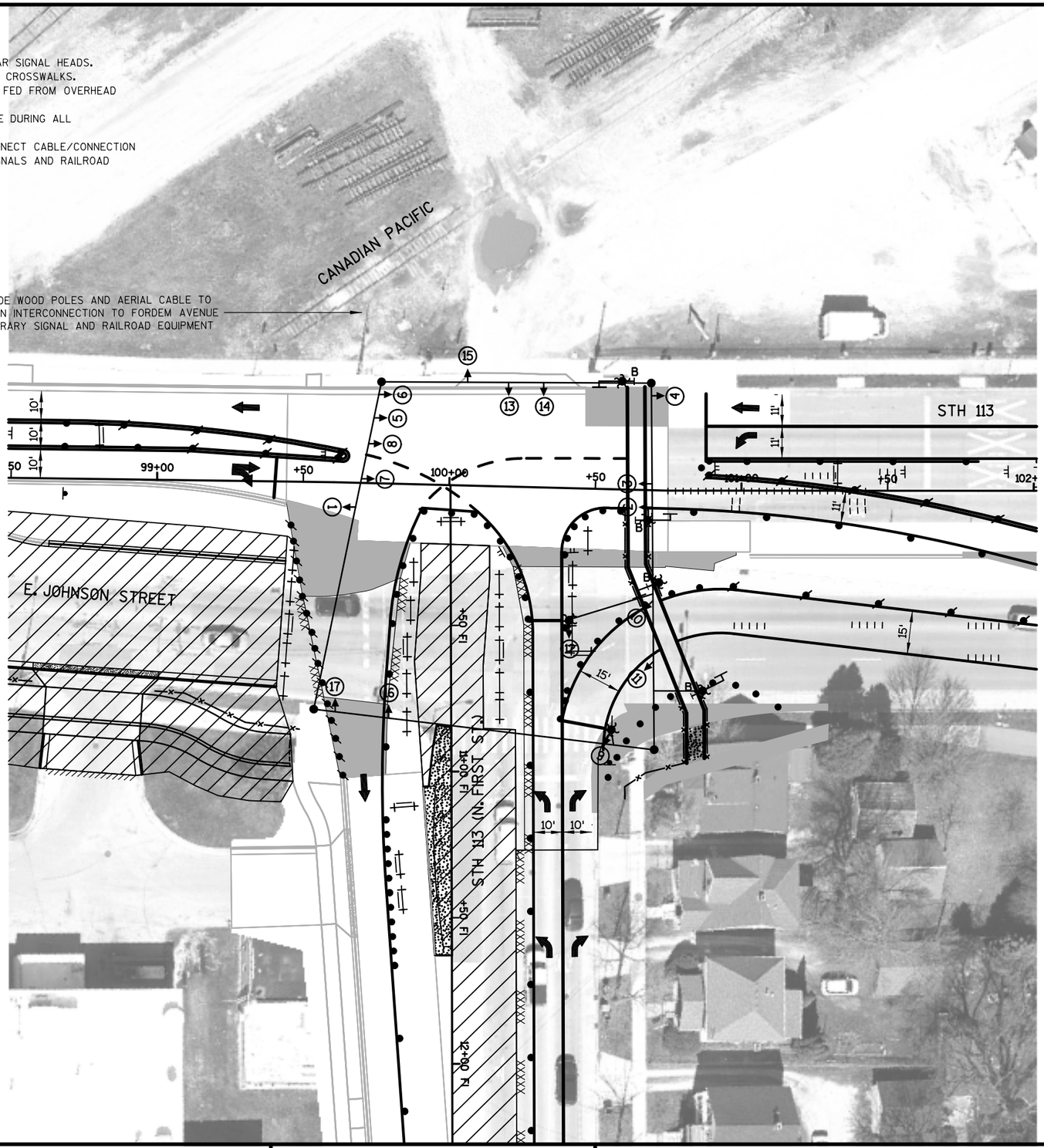
3-V	3-VL	3-VR
R Y G	R Y G	R Y G
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2B	SHEET 140 E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.

PROVIDE WOOD POLES AND AERIAL CABLE TO MAINTAIN INTERCONNECTION TO FORDEM AVENUE TEMPORARY SIGNAL AND RAILROAD EQUIPMENT



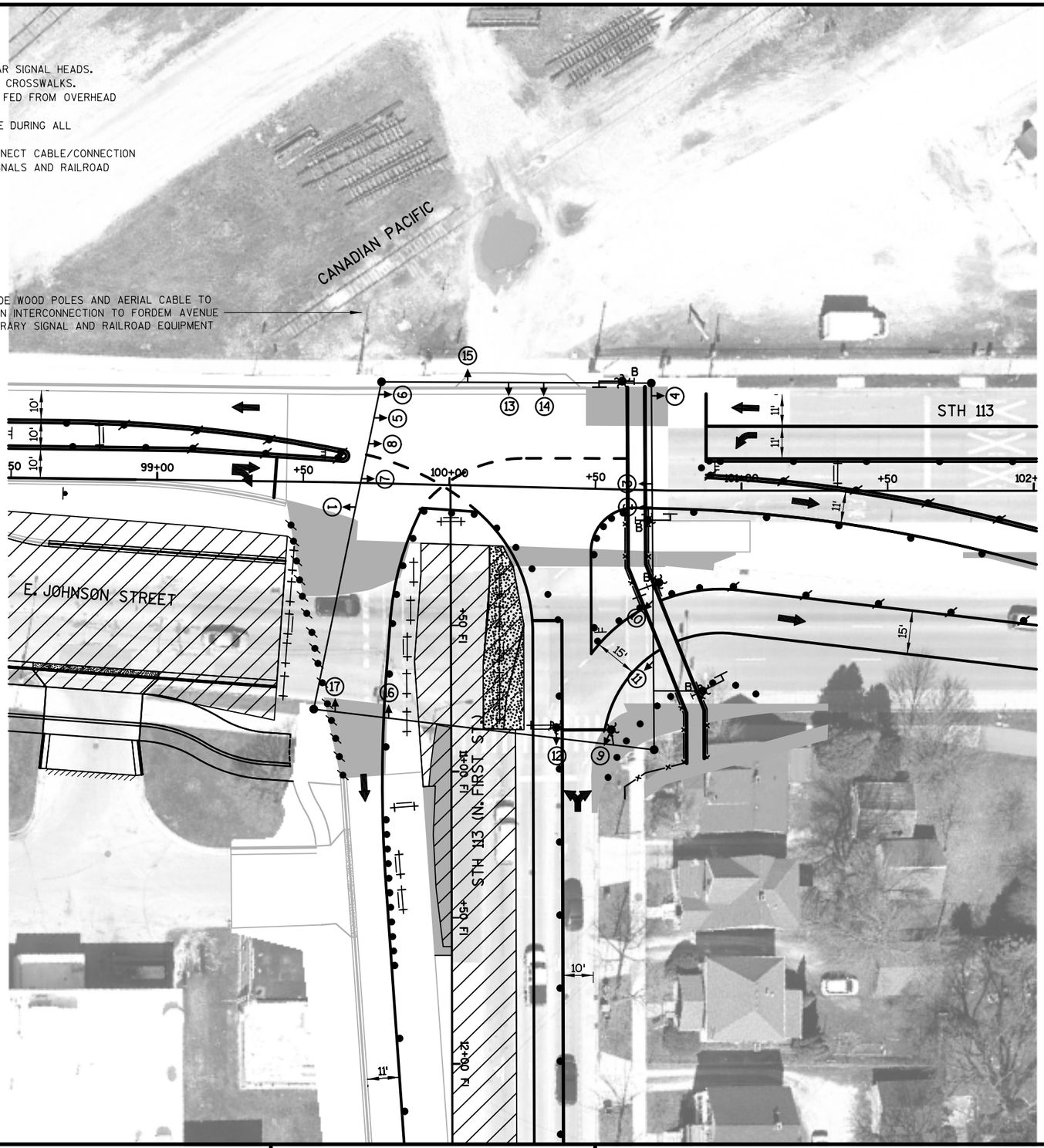
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	3-VL	3-VR
R Y G 1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	R Y G 7, 8	R Y G 9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3	SHEET 141 E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

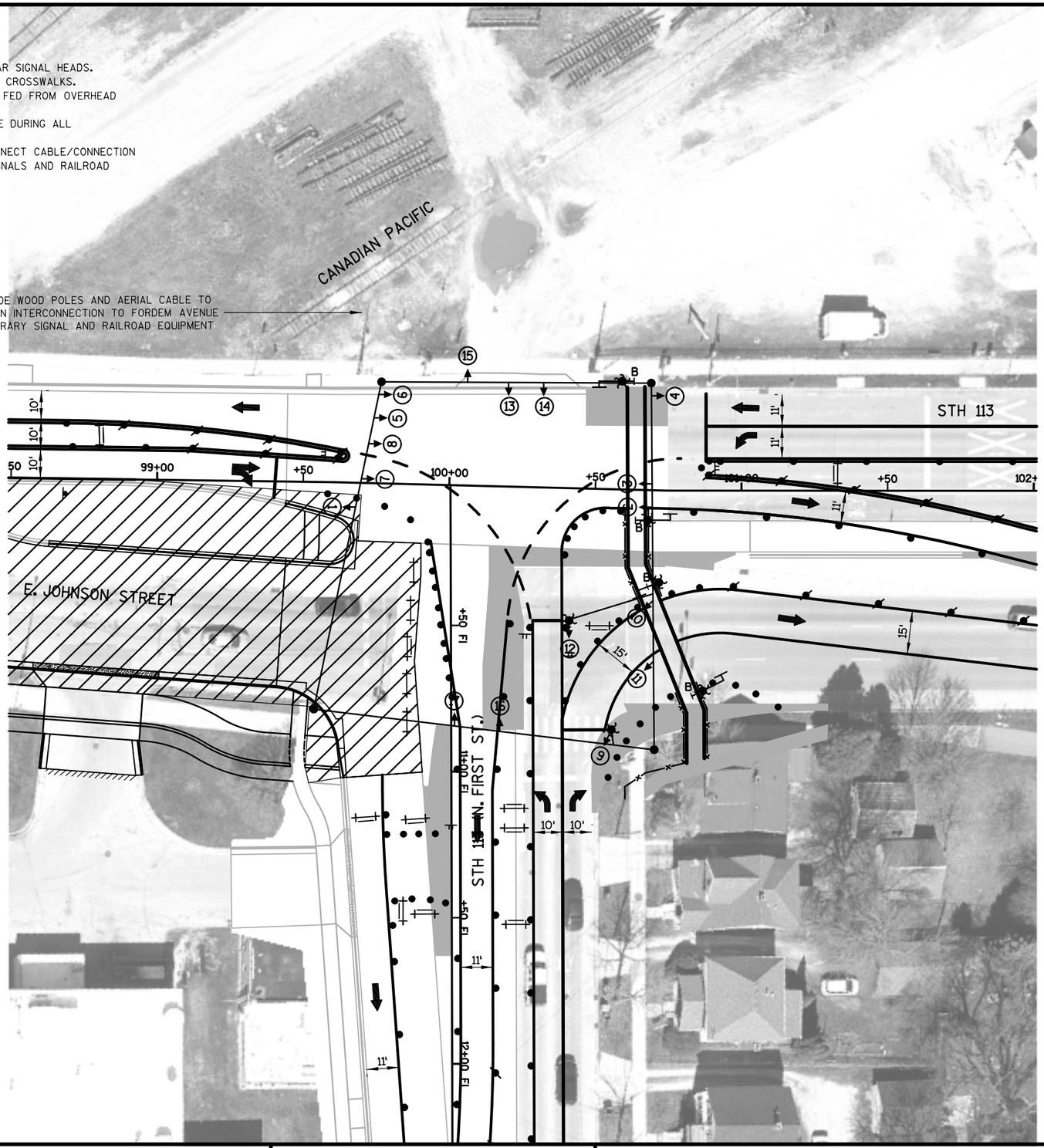
3-V	3-VL	3-VR
R Y G	R Y G	R Y G
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024026_tsp_Stage 3a (First).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

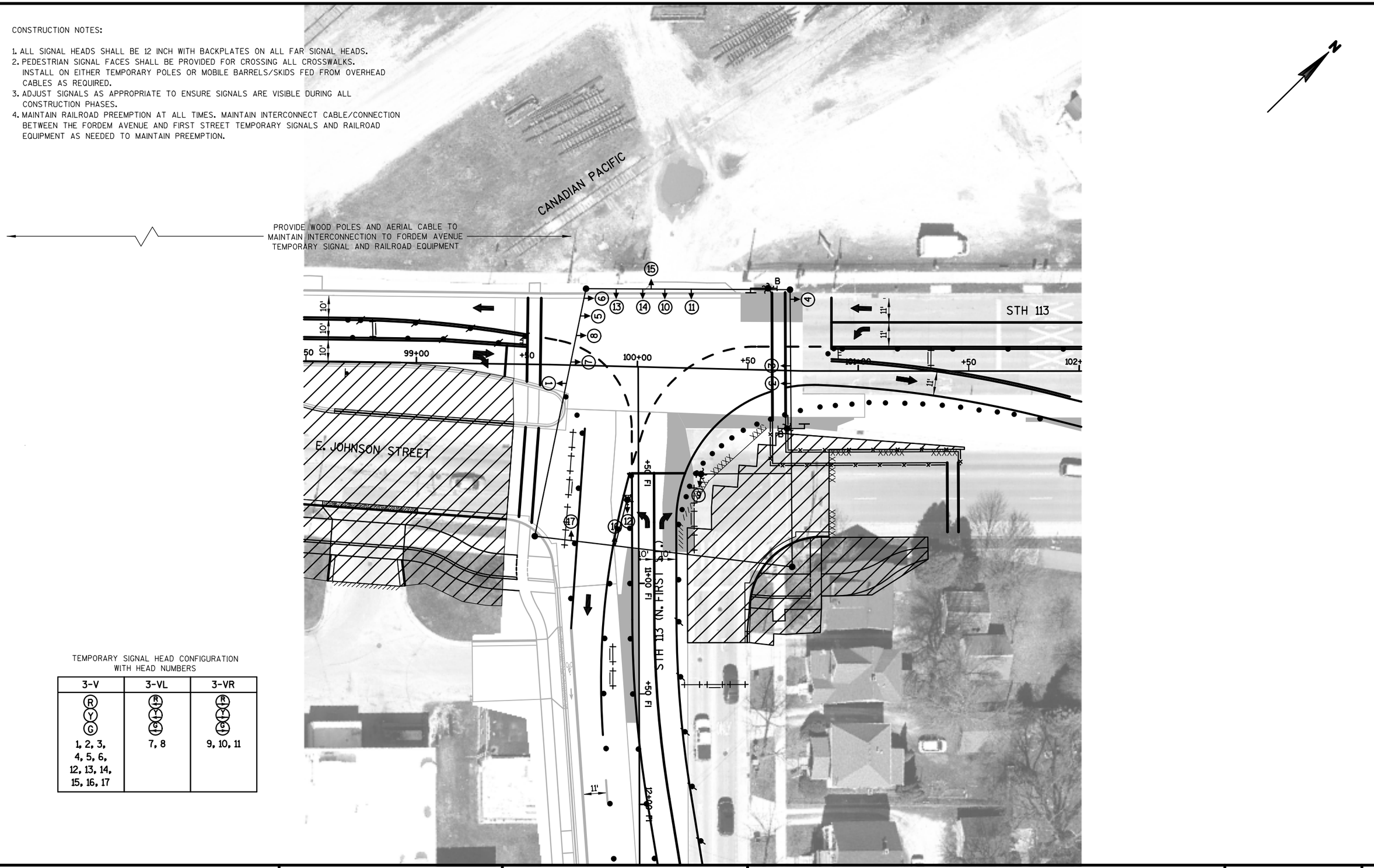
3-V	3-VL	3-VR
R Y G	R Y G	R Y G
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024027_tsp_Stage 3b (First).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

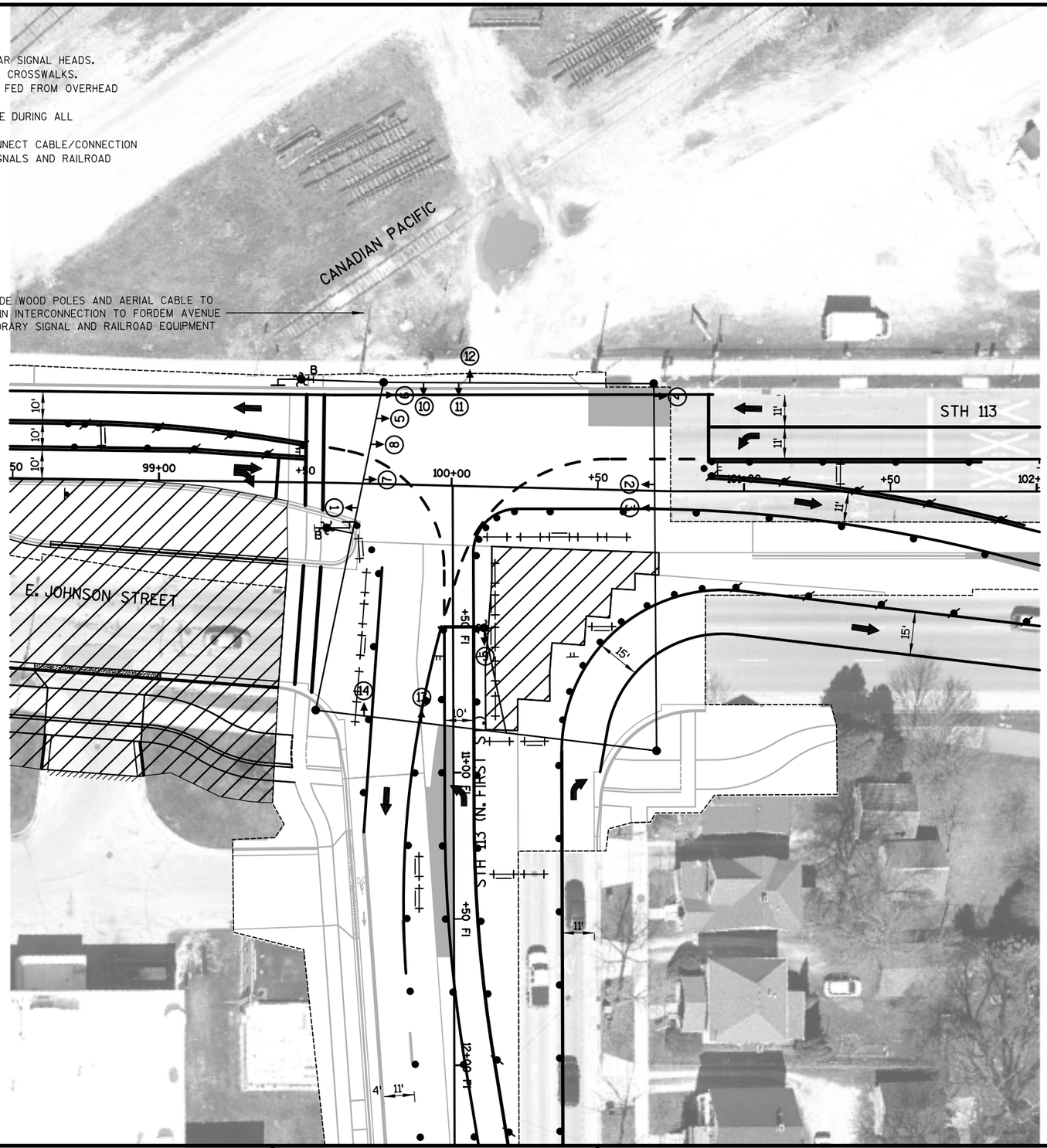
3-V	3-VL	3-VR
(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3C	SHEET 144 E

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.

PROVIDE WOOD POLES AND AERIAL CABLE TO MAINTAIN INTERCONNECTION TO FORDEM AVENUE TEMPORARY SIGNAL AND RAILROAD EQUIPMENT



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

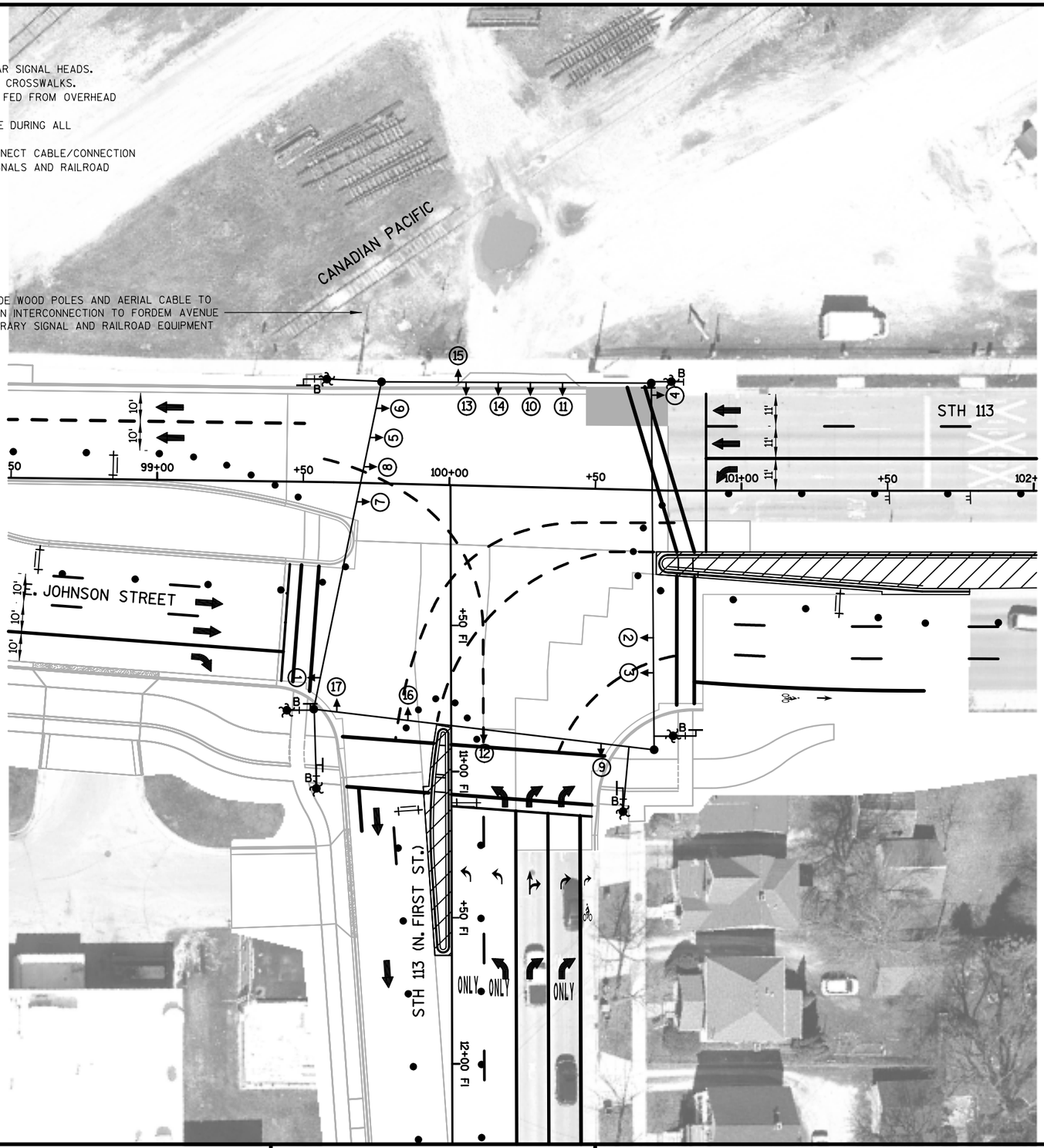
3-V	3-VL
R Y G 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14	R Y G 7, 8

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3D	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024029_tsp_Stage 3d (First).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

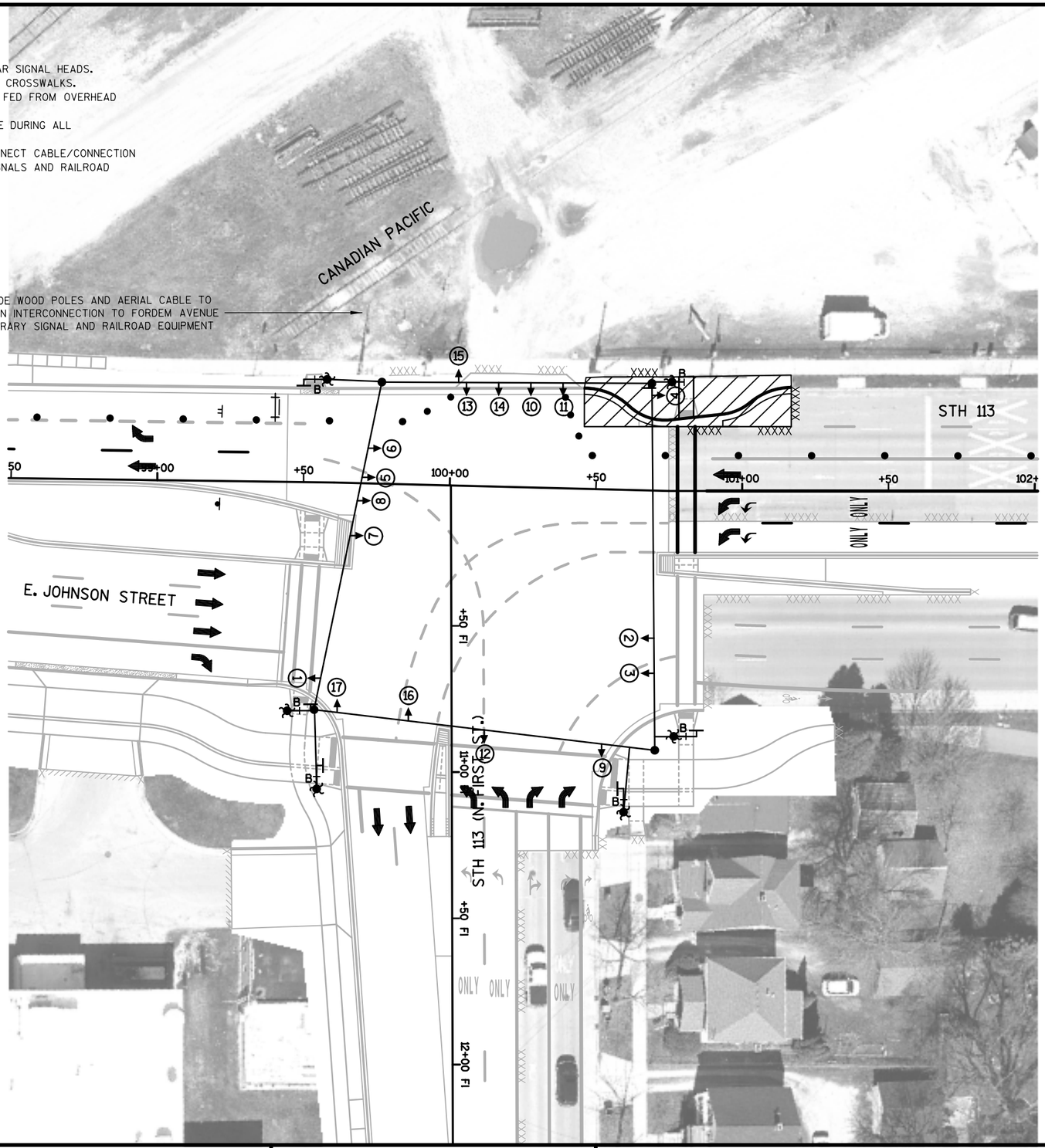
3-V	3-VL	3-VR
R Y G	LA R Y G	LA R Y G
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024030_tsp_Stage 4 (First).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES. MAINTAIN INTERCONNECT CABLE/CONNECTION BETWEEN THE FORDEM AVENUE AND FIRST STREET TEMPORARY SIGNALS AND RAILROAD EQUIPMENT AS NEEDED TO MAINTAIN PREEMPTION.



TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	3-VL	3-VR
R Y G	R Y G (L)	R Y G (L)
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

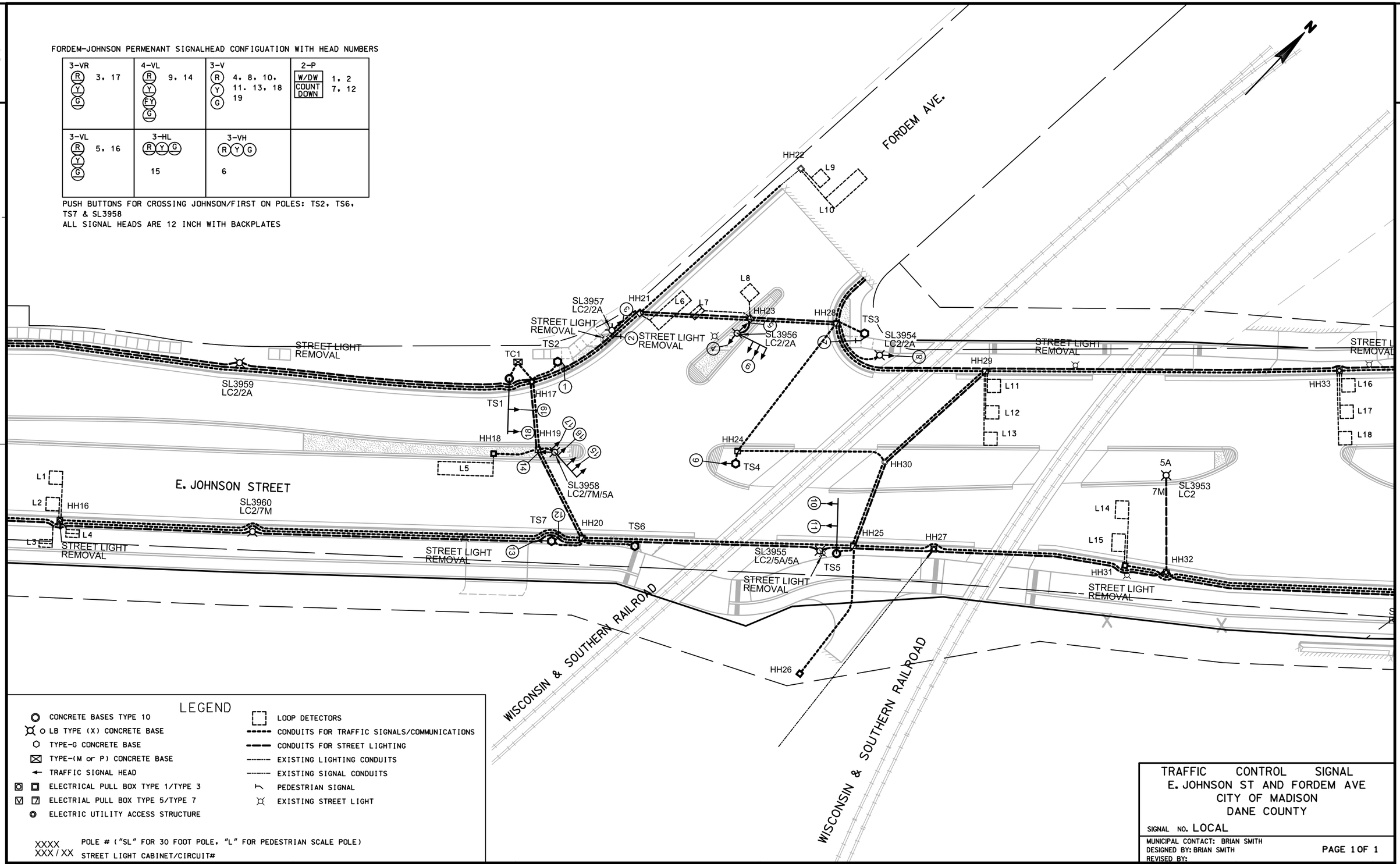
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024031_tsp_Stage 4ab (First).dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

FORDEM–JOHNSON PERMENANT SIGNALHEAD CONFIGUATION WITH HEAD NUMBERS

3-VR (R Y G) 3, 17	4-VL (R Y FY G) 9, 14	3-V (R Y G) 4, 8, 10, 11, 13, 18 19	2-P W/DW COUNT DOWN 1, 2 7, 12
3-VL (R Y G) 5, 16	3-HL (R Y G) 15	3-VH (R Y G) 6	

PUSH BUTTONS FOR CROSSING JOHNSON/FIRST ON POLES: TS2, TS6, TS7 & SL3958
ALL SIGNAL HEADS ARE 12 INCH WITH BACKPLATES



LEGEND

- CONCRETE BASES TYPE 10
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
- ELECTRIC UTILITY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- EXISTING LIGHTING CONDUITS
- EXISTING SIGNAL CONDUITS
- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

XXXX POLE # ("SL" FOR 30 FOOT POLE, "L" FOR PEDESTRIAN SCALE POLE)
XXX / XX STREET LIGHT CABINET/CIRCUIT#

TRAFFIC CONTROL SIGNAL
E. JOHNSON ST AND FORDEM AVE
CITY OF MADISON
DANE COUNTY

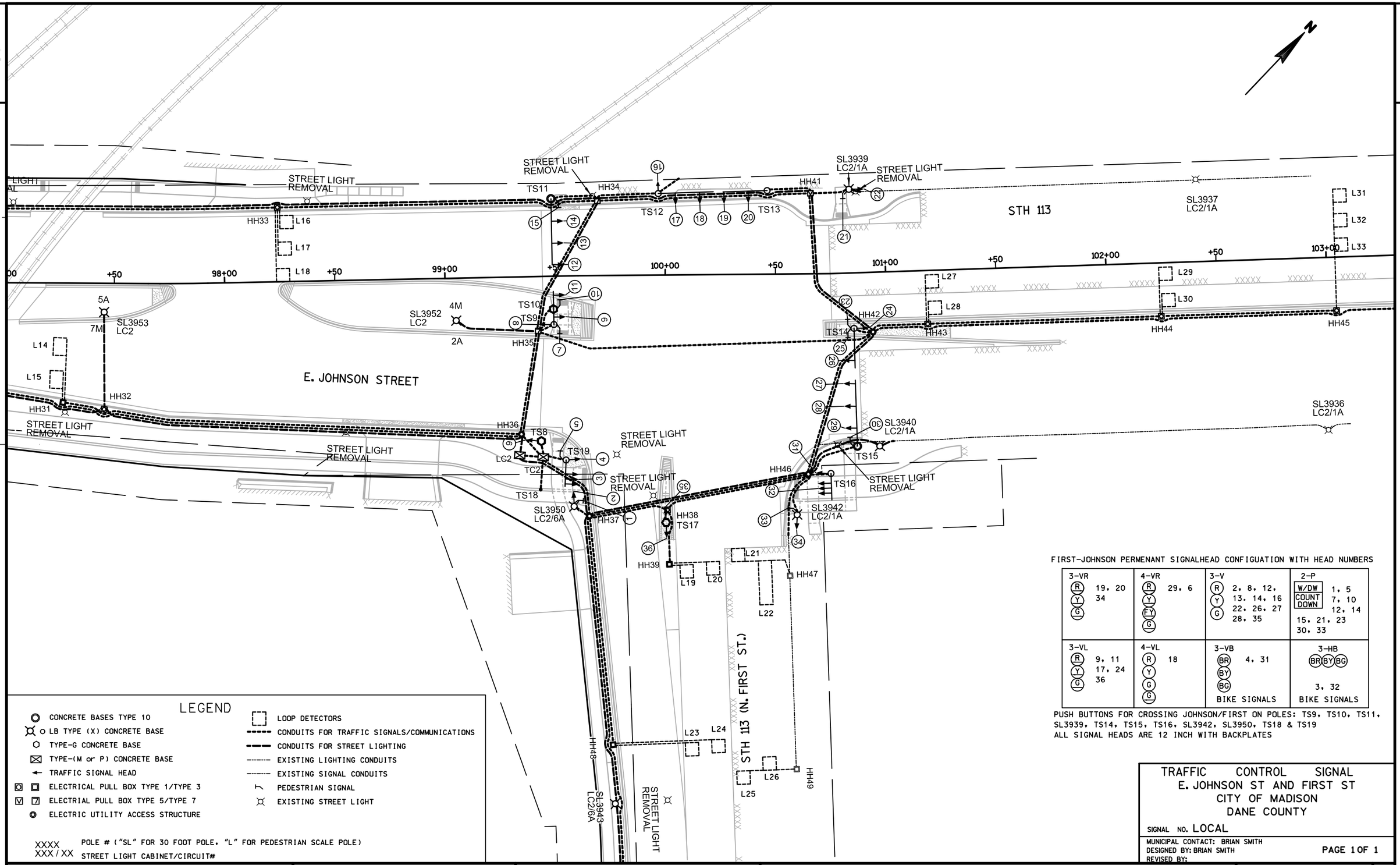
SIGNAL NO. LOCAL

MUNICIPAL CONTACT: BRIAN SMITH
DESIGNED BY: BRIAN SMITH
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNALS	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024055_sp_Fordem.dgn PLOT DATE : 9/19/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42



FIRST-JOHNSON PERMENANT SIGNALHEAD CONFIGUATION WITH HEAD NUMBERS

3-VR (R) (Y) (G): 19, 20, 34	4-VR (R) (Y) (FY) (G): 29, 6	3-V (R) (Y) (G): 2, 8, 12, 13, 14, 16, 22, 26, 27, 28, 35	2-P W/DW COUNT DOWN: 1, 5, 7, 10, 12, 14, 15, 21, 23, 30, 33
3-VL (R) (Y) (G): 9, 11, 17, 24, 36	4-VL (R) (Y) (G) (G): 18	3-VB (BR) (BY) (BG): 4, 31 BIKE SIGNALS	3-HB (BR) (BY) (BG): 3, 32 BIKE SIGNALS

PUSH BUTTONS FOR CROSSING JOHNSON/FIRST ON POLES: TS9, TS10, TS11, SL3939, TS14, TS15, TS16, SL3942, SL3950, TS18 & TS19
ALL SIGNAL HEADS ARE 12 INCH WITH BACKPLATES

TRAFFIC CONTROL SIGNAL
E. JOHNSON ST AND FIRST ST
CITY OF MADISON
DANE COUNTY

SIGNAL NO. LOCAL

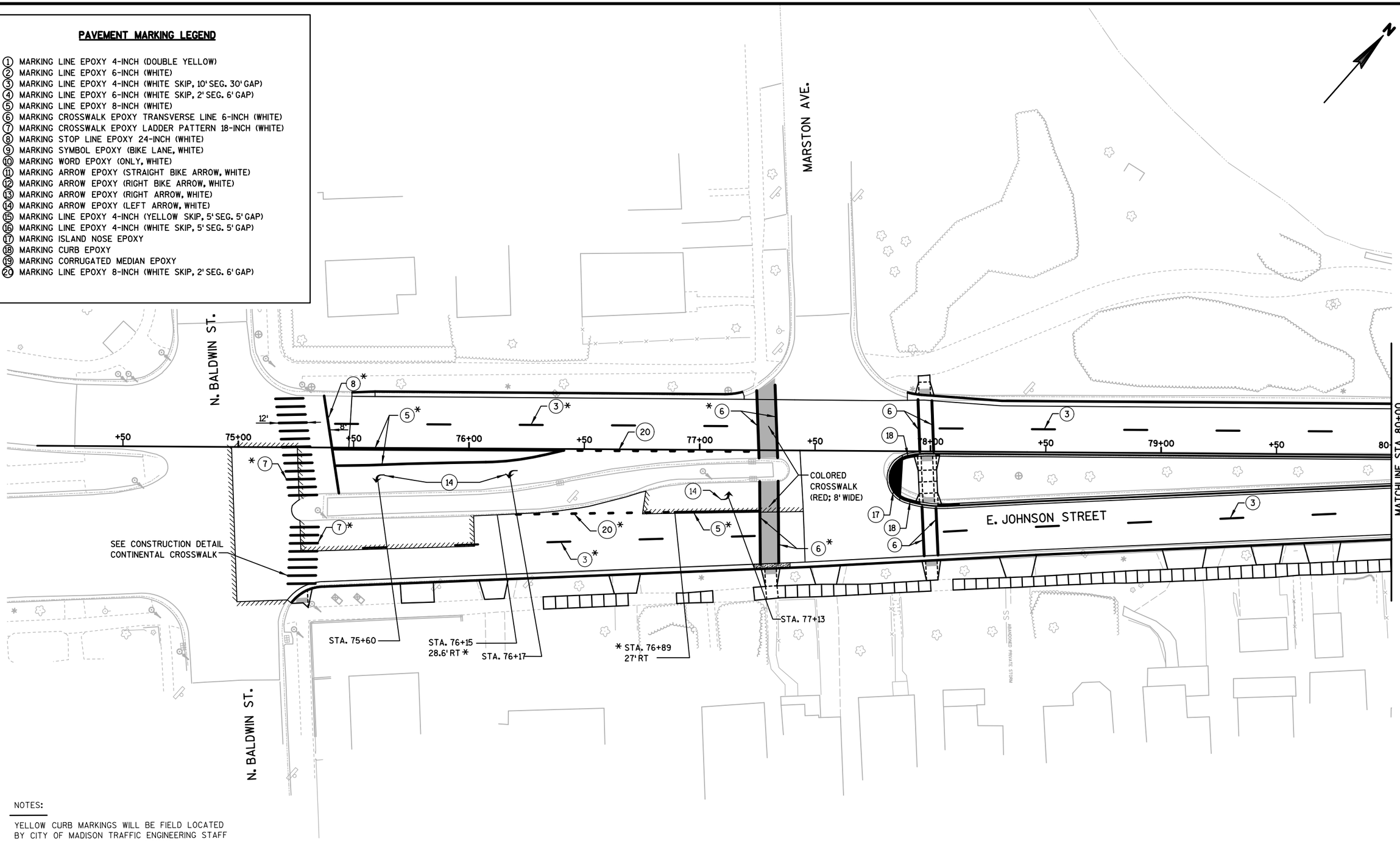
MUNICIPAL CONTACT: BRIAN SMITH
DESIGNED BY: BRIAN SMITH
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNALS	SHEET 149	E

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 6-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
4. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)
5. MARKING LINE EPOXY 8-INCH (WHITE)
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
7. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
8. MARKING STOP LINE EPOXY 24-INCH (WHITE)
9. MARKING SYMBOL EPOXY (BIKE LANE, WHITE)
10. MARKING WORD EPOXY (ONLY, WHITE)
11. MARKING ARROW EPOXY (STRAIGHT BIKE ARROW, WHITE)
12. MARKING ARROW EPOXY (RIGHT BIKE ARROW, WHITE)
13. MARKING ARROW EPOXY (RIGHT ARROW, WHITE)
14. MARKING ARROW EPOXY (LEFT ARROW, WHITE)
15. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 5' SEG. 5' GAP)
16. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 5' SEG. 5' GAP)
17. MARKING ISLAND NOSE EPOXY
18. MARKING CURB EPOXY
19. MARKING CORRUGATED MEDIAN EPOXY
20. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)



NOTES:

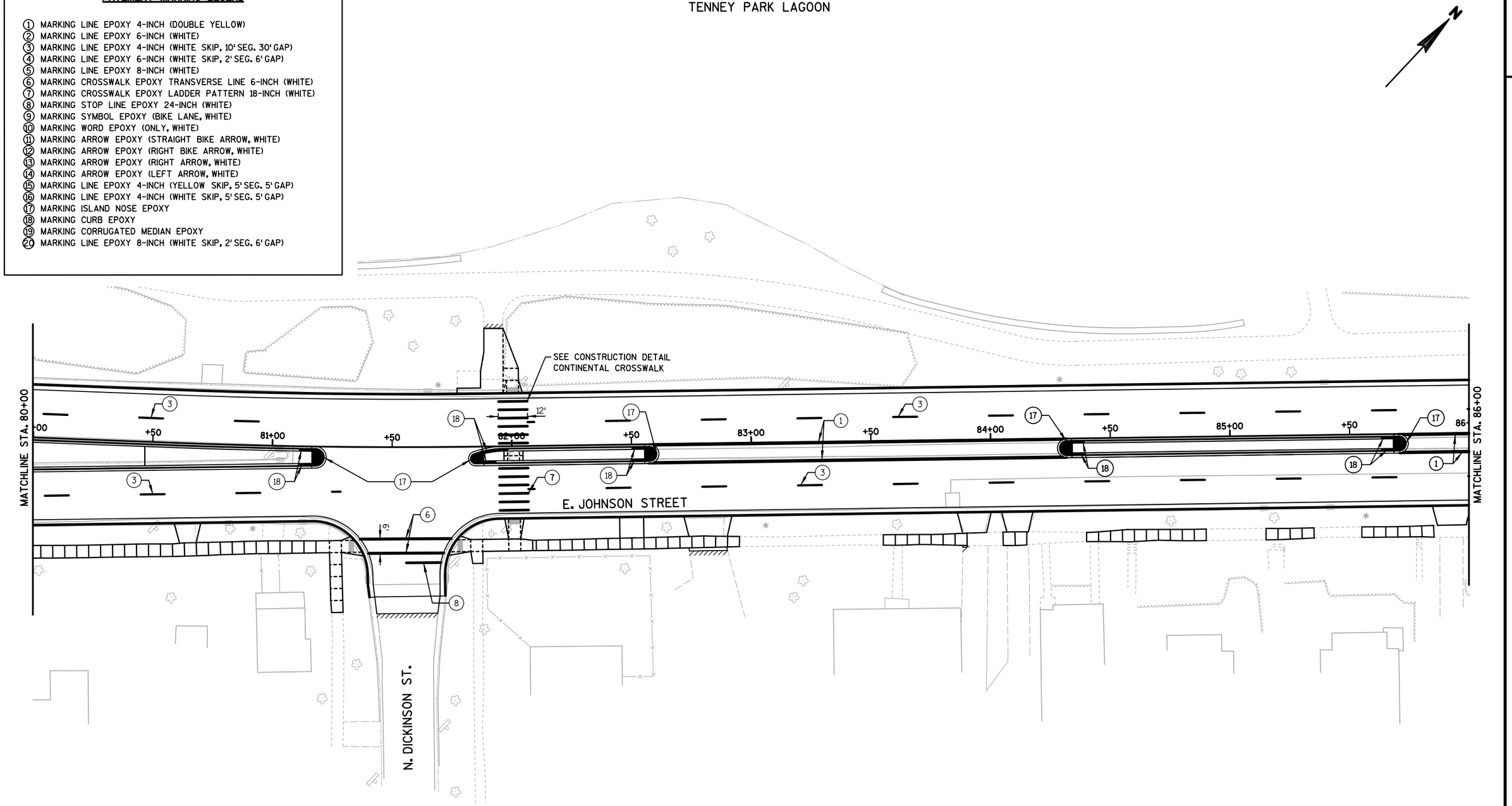
YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON TRAFFIC ENGINEERING STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

* MATCH EXISTING PAVEMENT MARKING LOCATION

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET 150	E

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 6-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
4. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)
5. MARKING LINE EPOXY 8-INCH (WHITE)
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
7. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
8. MARKING STOP LINE EPOXY 24-INCH (WHITE)
9. MARKING SYMBOL EPOXY (BIKE LANE, WHITE)
10. MARKING WORD EPOXY (ONLY, WHITE)
11. MARKING ARROW EPOXY (STRAIGHT BIKE ARROW, WHITE)
12. MARKING ARROW EPOXY (RIGHT BIKE ARROW, WHITE)
13. MARKING ARROW EPOXY (RIGHT ARROW, WHITE)
14. MARKING ARROW EPOXY (LEFT ARROW, WHITE)
15. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 5' SEG. 5' GAP)
16. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 5' SEG. 5' GAP)
17. MARKING ISLAND NOSE EPOXY
18. MARKING CURB EPOXY
19. MARKING CORRUGATED MEDIAN EPOXY
20. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)



NOTES:

YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON TRAFFIC ENGINEERING STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

* MATCH EXISTING PAVEMENT MARKING LOCATION

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET 151	E

TENNEY PARK LAGOON

YAHARA RIVER

TENNEY PARK

SEE CONSTRUCTION DETAIL
CONTINENTAL CROSSWALK

SEE S.D.D. DOUBLE ARROW WARNING SIGN
PLACEMENT AND PAVEMENT MARKING (ISLAND)

MATCHLINE STA. 86+00

87+00

88+00

89+00

90+00

91+00

MATCHLINE STA. 92+00

E. JOHNSON STREET

10+00 YP

+50 PL

11+00 PL

+50 YP

11+00 YP

+50 YP

12+00 YP

N. THORNTON AVENUE

STA. 91+05
12' RT

STA. 91+99
22' RT

NOTES:

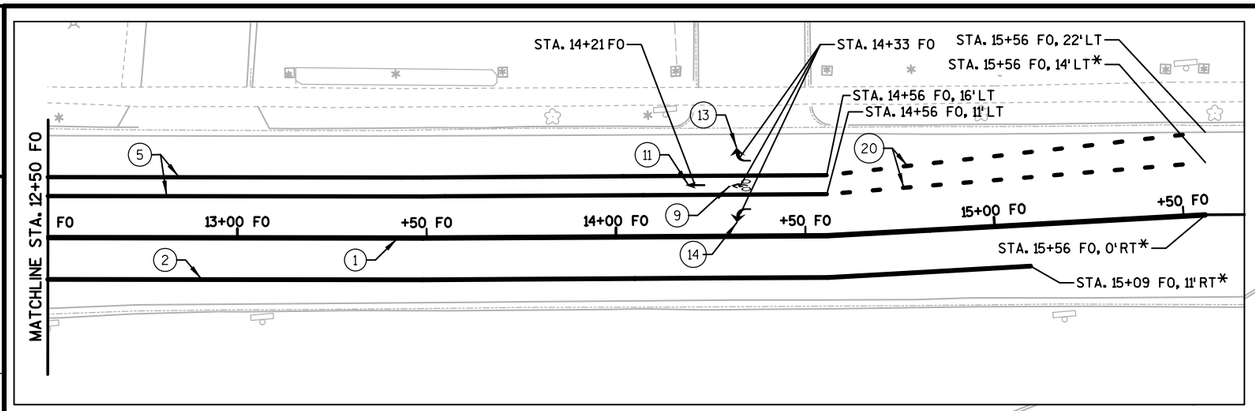
YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON TRAFFIC ENGINEERING STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

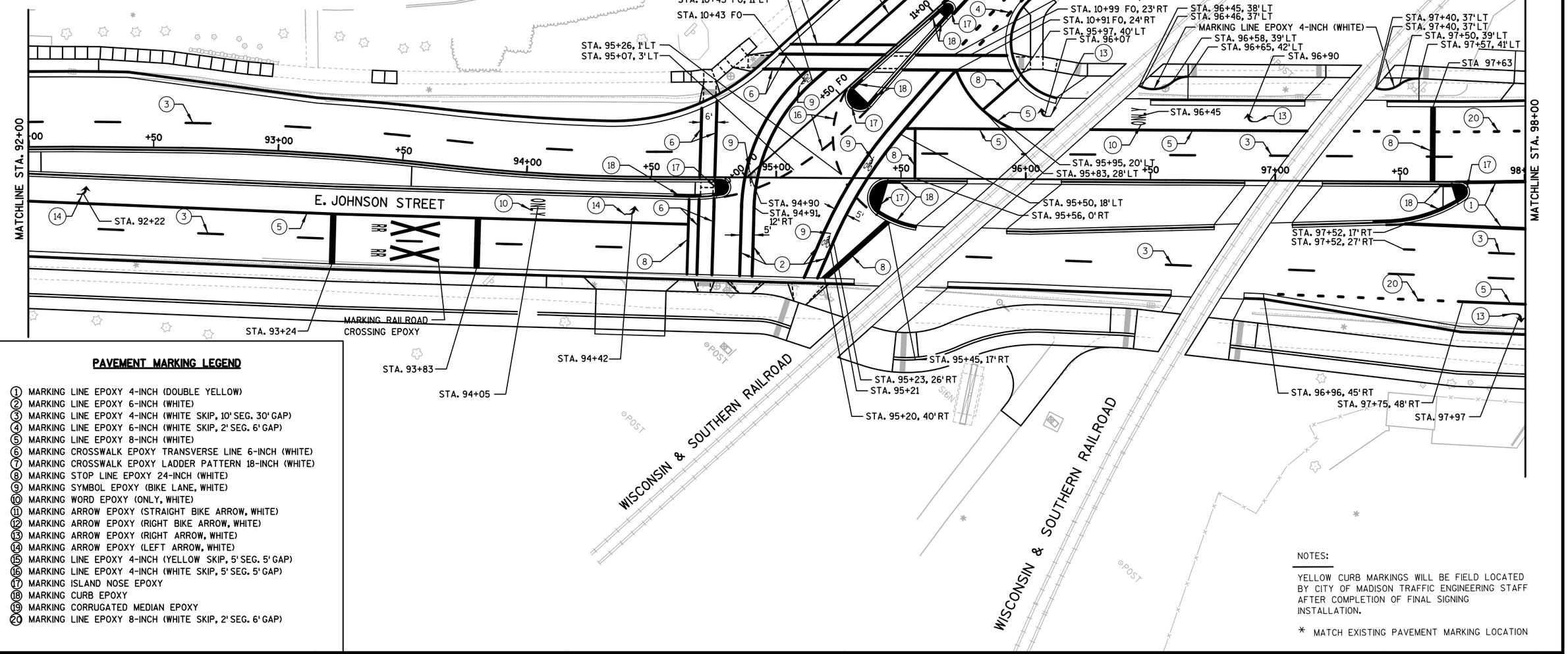
* MATCH EXISTING PAVEMENT MARKING LOCATION

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 6-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
4. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)
5. MARKING LINE EPOXY 8-INCH (WHITE)
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
7. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
8. MARKING STOP LINE EPOXY 24-INCH (WHITE)
9. MARKING SYMBOL EPOXY (BIKE LANE, WHITE)
10. MARKING WORD EPOXY (ONLY, WHITE)
11. MARKING ARROW EPOXY (STRAIGHT BIKE ARROW, WHITE)
12. MARKING ARROW EPOXY (RIGHT BIKE ARROW, WHITE)
13. MARKING ARROW EPOXY (RIGHT ARROW, WHITE)
14. MARKING ARROW EPOXY (LEFT ARROW, WHITE)
15. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 5' SEG. 5' GAP)
16. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 5' SEG. 5' GAP)
17. MARKING ISLAND NOSE EPOXY
18. MARKING CURB EPOXY
19. MARKING CORRUGATED MEDIAN EPOXY
20. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET 152	E





PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 6-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
4. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)
5. MARKING LINE EPOXY 8-INCH (WHITE)
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
7. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
8. MARKING STOP LINE EPOXY 24-INCH (WHITE)
9. MARKING SYMBOL EPOXY (BIKE LANE, WHITE)
10. MARKING WORD EPOXY (ONLY, WHITE)
11. MARKING ARROW EPOXY (STRAIGHT BIKE ARROW, WHITE)
12. MARKING ARROW EPOXY (RIGHT BIKE ARROW, WHITE)
13. MARKING ARROW EPOXY (RIGHT ARROW, WHITE)
14. MARKING ARROW EPOXY (LEFT ARROW, WHITE)
15. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 5' SEG. 5' GAP)
16. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 5' SEG. 5' GAP)
17. MARKING ISLAND NOSE EPOXY
18. MARKING CURB EPOXY
19. MARKING CORRUGATED MEDIAN EPOXY
20. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)

NOTES:

YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON TRAFFIC ENGINEERING STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

* MATCH EXISTING PAVEMENT MARKING LOCATION

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET 153	E

2

MARKING RAILROAD CROSSING EPOXY
STA. 98+57
STA. 98+80
STA. 99+40
STA. 99+56, 8'LT
STA. 98+28, 0'RT
STA 99+95, 43'RT
STA. 100+55, 22'RT
STA. 100+43, 12'RT
STA 101+02
STA 101+40
STA. 103+34
STA. 104+00, 0'RT
STA. 103+77*
MATCHLINE STA. 98+00
MATCHLINE STA. 104+00
STA. 99+89 5'RT
STA. 98+63, 23'RT
E. JOHNSON STREET
STA. 100+17 42'RT
STA. 10+52 FI, 11'RT
STA. 100+78, 56'RT
STA. 10+84 FI 5'LT
STA. 100+55, 68'RT
STA. 10+89 FI 19'LT
STA. 10+92 FI, 11'RT
STA. 10+94 FI, 37'RT
*COLORED CROSSWALK (GREEN) (TYP.)
STA. 101+78, 47'RT
STA 101+78, 58'RT
STA 101+78, 69'RT
STA. 101+29
STA. 101+16
STA 101+62, 69'RT
STA. 100+84, 66'RT
STA. 99+21
*MARKING CROSSWALK EPOXY TRANSVERSE LINE 18-INCH (18" SEG., 18" GAP) (TYP.)
*MARKING CROSSWALK EPOXY TRANSVERSE LINE 12-INCH (TYP.)
MARKING ARROW EPOXY (THRU-RIGHT ARROW, WHITE)
STA. 98+83
STA. 11+35 FI
STA. 11+50 FI
STA. 11+38 FI
STA. 11+35 FI
STA. 11+50 FI
STA. 11+75 FI
STH 113 (N. FIRST ST.)
STA. 11+73 FI
STA. 11+74 FI
STA. 12+50 FI, 0'RT
STA. 12+40 FI
MATCHLINE STA. 12+50 FI

*SEE CONSTRUCTION DETAIL "FIRST STREET CROSSWALK MARKINGS" FOR ADDITIONAL LAYOUT INFORMATION

NOTES:

YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON TRAFFIC ENGINEERING STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

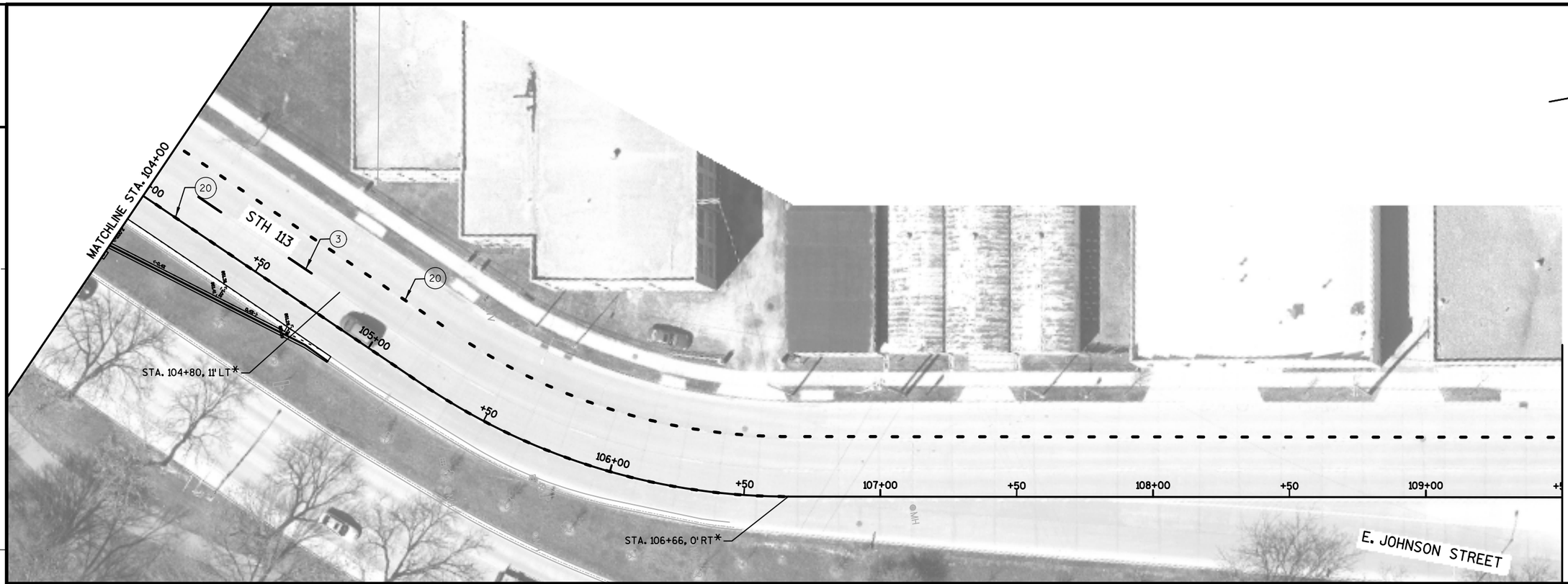
* MATCH EXISTING PAVEMENT MARKING LOCATION

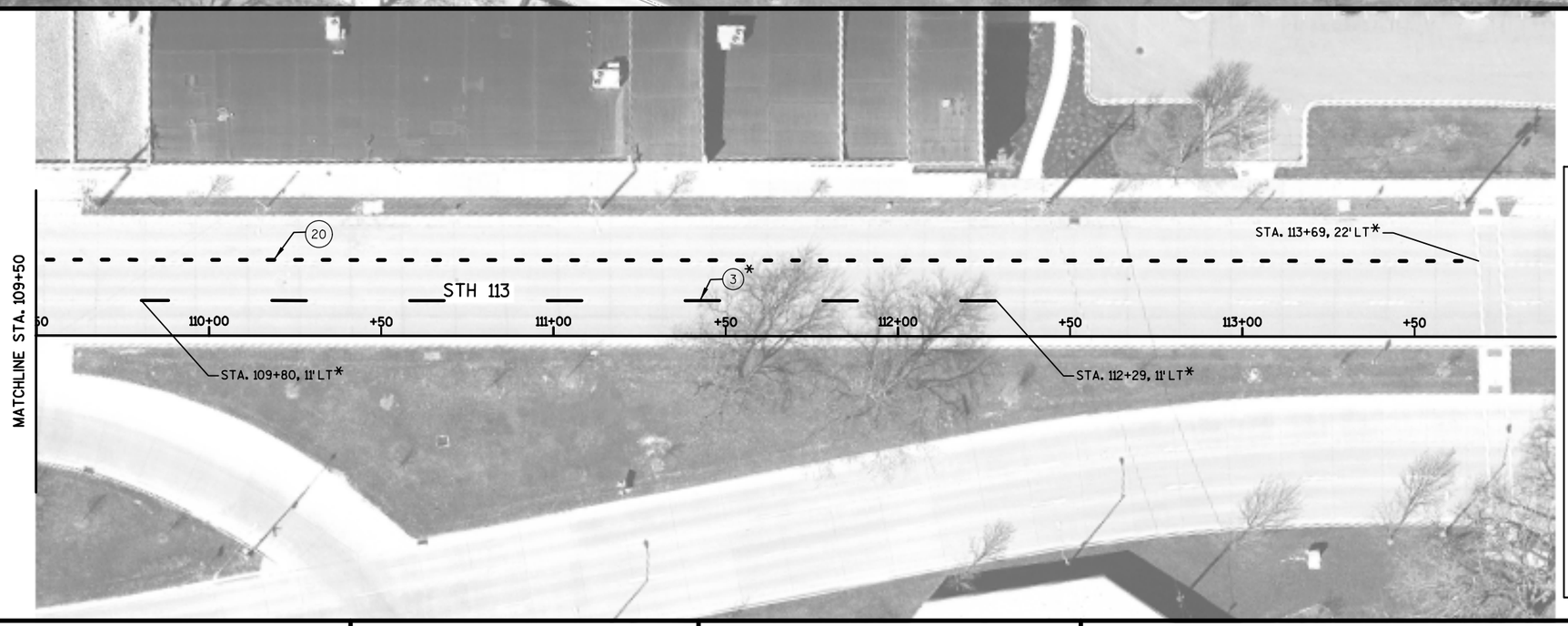
PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 6-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
4. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)
5. MARKING LINE EPOXY 8-INCH (WHITE)
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
7. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
8. MARKING STOP LINE EPOXY 24-INCH (WHITE)
9. MARKING SYMBOL EPOXY (BIKE LANE, WHITE)
10. MARKING WORD EPOXY (ONLY, WHITE)
11. MARKING ARROW EPOXY (STRAIGHT BIKE ARROW, WHITE)
12. MARKING ARROW EPOXY (RIGHT BIKE ARROW, WHITE)
13. MARKING ARROW EPOXY (RIGHT ARROW, WHITE)
14. MARKING ARROW EPOXY (LEFT ARROW, WHITE)
15. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 5' SEG. 5' GAP)
16. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 5' SEG. 5' GAP)
17. MARKING ISLAND NOSE EPOXY
18. MARKING CURB EPOXY
19. MARKING CORRUGATED MEDIAN EPOXY
20. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET 154	E

2





NOTES:

YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON TRAFFIC ENGINEERING STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

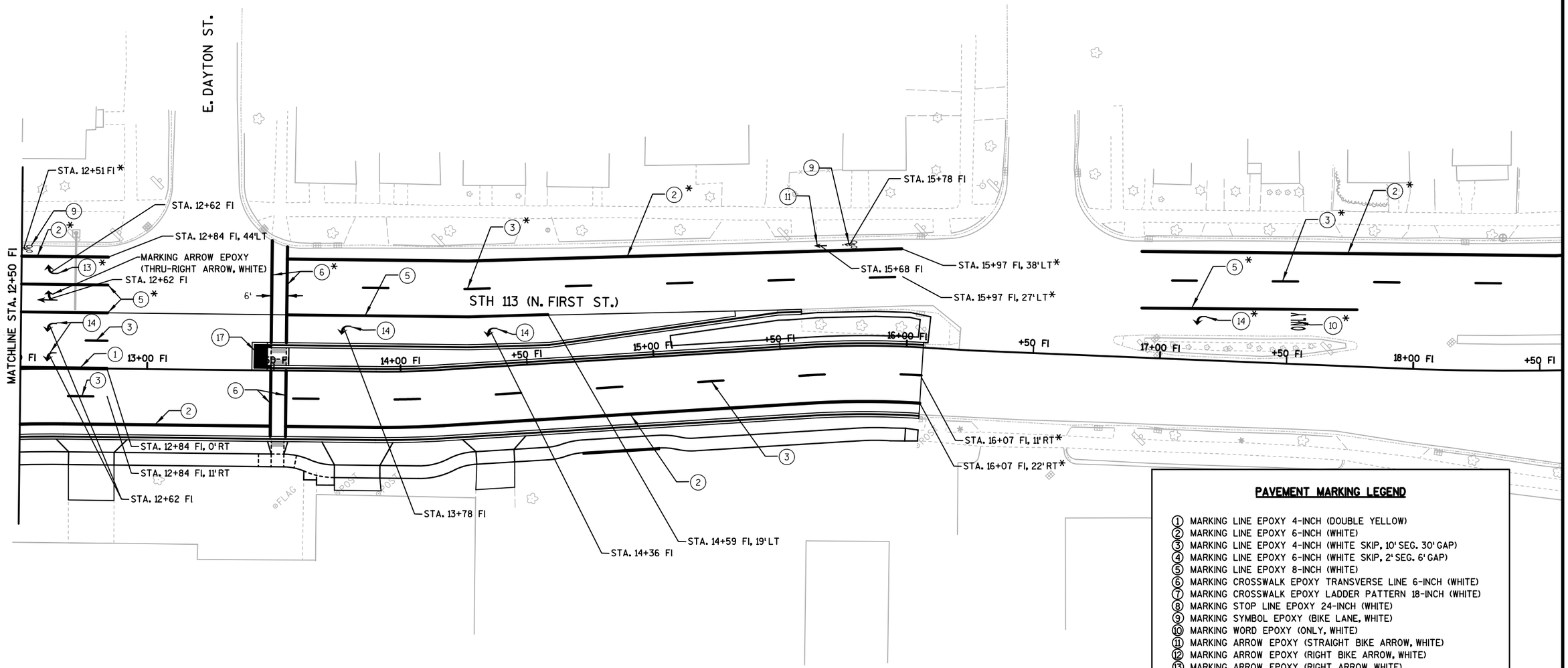
* MATCH EXISTING PAVEMENT MARKING LOCATION

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 6-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
4. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)
5. MARKING LINE EPOXY 8-INCH (WHITE)
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
7. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
8. MARKING STOP LINE EPOXY 24-INCH (WHITE)
9. MARKING SYMBOL EPOXY (BIKE LANE, WHITE)
10. MARKING WORD EPOXY (ONLY, WHITE)
11. MARKING ARROW EPOXY (STRAIGHT BIKE ARROW, WHITE)
12. MARKING ARROW EPOXY (RIGHT BIKE ARROW, WHITE)
13. MARKING ARROW EPOXY (RIGHT ARROW, WHITE)
14. MARKING ARROW EPOXY (LEFT ARROW, WHITE)
15. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 5' SEG. 5' GAP)
16. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 5' SEG. 5' GAP)
17. MARKING ISLAND NOSE EPOXY
18. MARKING CURB EPOXY
19. MARKING CORRUGATED MEDIAN EPOXY
20. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET 155	E

2



NOTES:

YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON TRAFFIC ENGINEERING STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

* MATCH EXISTING PAVEMENT MARKING LOCATION

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 6-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
4. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)
5. MARKING LINE EPOXY 8-INCH (WHITE)
6. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
7. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
8. MARKING STOP LINE EPOXY 24-INCH (WHITE)
9. MARKING SYMBOL EPOXY (BIKE LANE, WHITE)
10. MARKING WORD EPOXY (ONLY, WHITE)
11. MARKING ARROW EPOXY (STRAIGHT BIKE ARROW, WHITE)
12. MARKING ARROW EPOXY (RIGHT BIKE ARROW, WHITE)
13. MARKING ARROW EPOXY (RIGHT ARROW, WHITE)
14. MARKING ARROW EPOXY (LEFT ARROW, WHITE)
15. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 5' SEG. 5' GAP)
16. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 5' SEG. 5' GAP)
17. MARKING ISLAND NOSE EPOXY
18. MARKING CURB EPOXY
19. MARKING CORRUGATED MEDIAN EPOXY
20. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024507_pm.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

TRAFFIC CONTROL LEGEND

- TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED WITH BASE AGGREGATE DENSE 1 1/4-INCH FOR TURNING VEHICLES
- XXXXX SAWING CONCRETE
- ////// SAWING ASPHALT
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH SIGN (TWO WARNING LIGHTS TYPE A REQ'D)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D)
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD
- TEMPORARY PEDESTRIAN SAFETY FENCE

PAVEMENT MARKING LEGEND

- (4W) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (4Y) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (4DY) TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- (8W) TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
- (WP) TEMPORARY MARKING WORD PAINT
- (AP) TEMPORARY MARKING ARROW PAINT
- (SL-18) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- (RT-4W) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (RT-4Y) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (RT-4DY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- (RT-8W) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- (RT-SL-18) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

TRAFFIC CONTROL NOTES

ALL SIGN LOCATIONS ARE APPROXIMATE. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

DO NOT PLACE TRAFFIC CONTROL DEVICES OR MARKINGS ON OR ACROSS A RAILROAD CROSSING SURFACE OR TRACK.

SEE THE PEDESTRIAN ROUTING PLAN SHEETS FOR SIDEWALK AND PATH RELATED SIGNAGE DURING CONSTRUCTION.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

REMOVE OR COVER ANY SIGNS, TEMPORARY OR EXISTING, THAT CONFLICT WITH TRAFFIC CONTROL "IN-USE" AS APPROVED BY THE ENGINEER.

USE ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC. SIGNS AS NEEDED AND REMOVE OR COVER THEM WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS. MAINTAIN LOCAL ACCESS AT ALL TIMES.

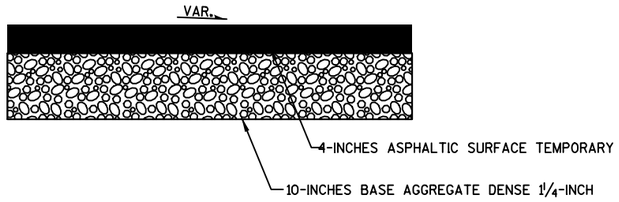
REMOVE PAVEMENT MARKING THAT CONFLICTS WITH TRAFFIC CONTROL "IN-USE" AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC CONTROL DRUM AND TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES SPACING IS 25', UNLESS OTHERWISE NOTED.

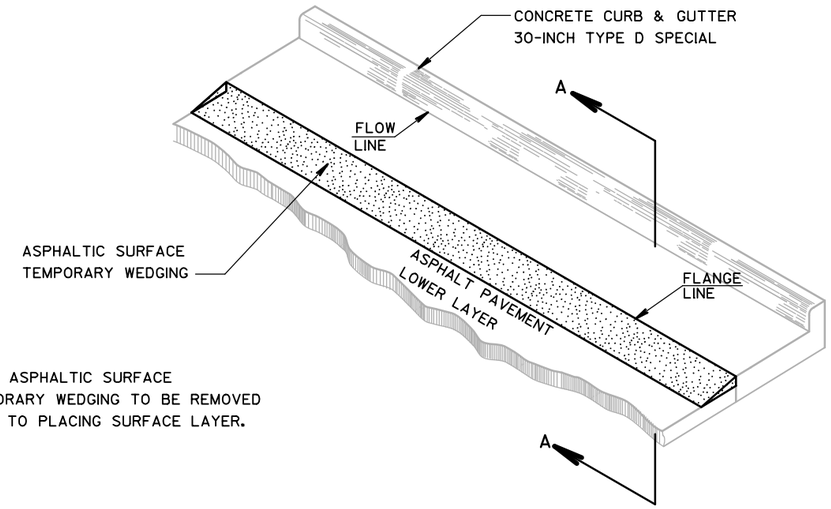
FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"

MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 48 HOURS.

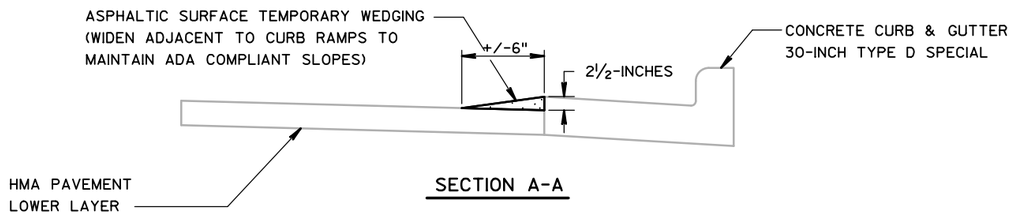
2



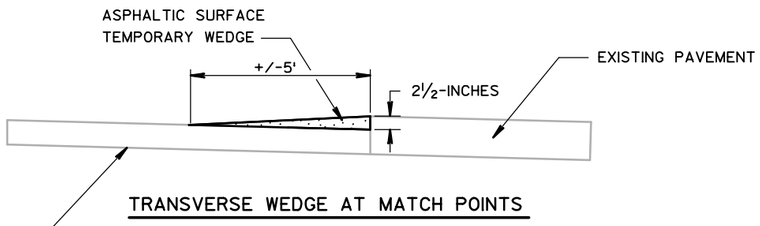
TEMPORARY ASPHALTIC PAVEMENT STRUCTURE



NOTE: ASPHALTIC SURFACE TEMPORARY WEDGING TO BE REMOVED PRIOR TO PLACING SURFACE LAYER.

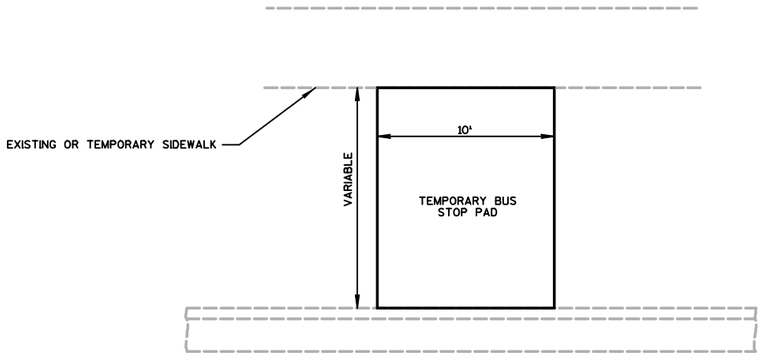


SECTION A-A

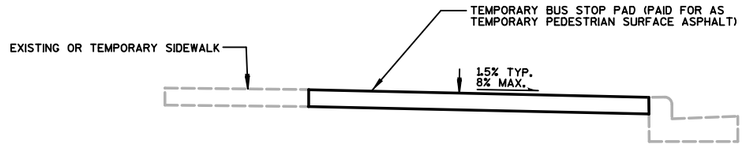


TRANSVERSE WEDGE AT MATCH POINTS

ASPHALTIC SURFACE TEMPORARY WEDGING DETAIL

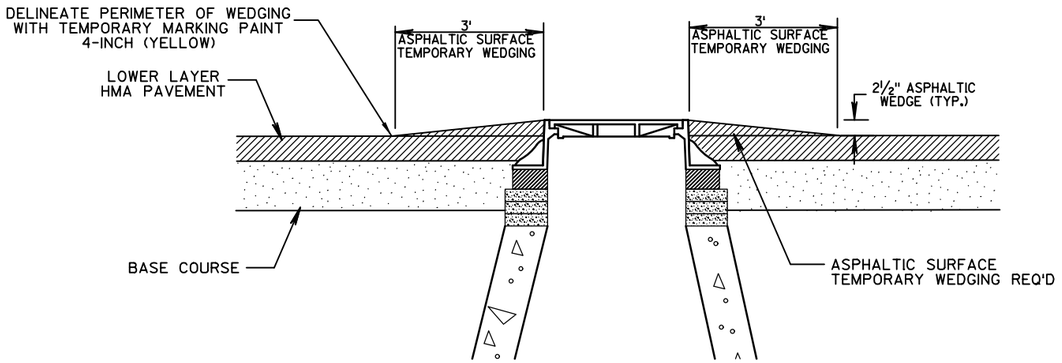


PLAN



PROFILE

TEMPORARY BUS BOARDING PAD DETAIL

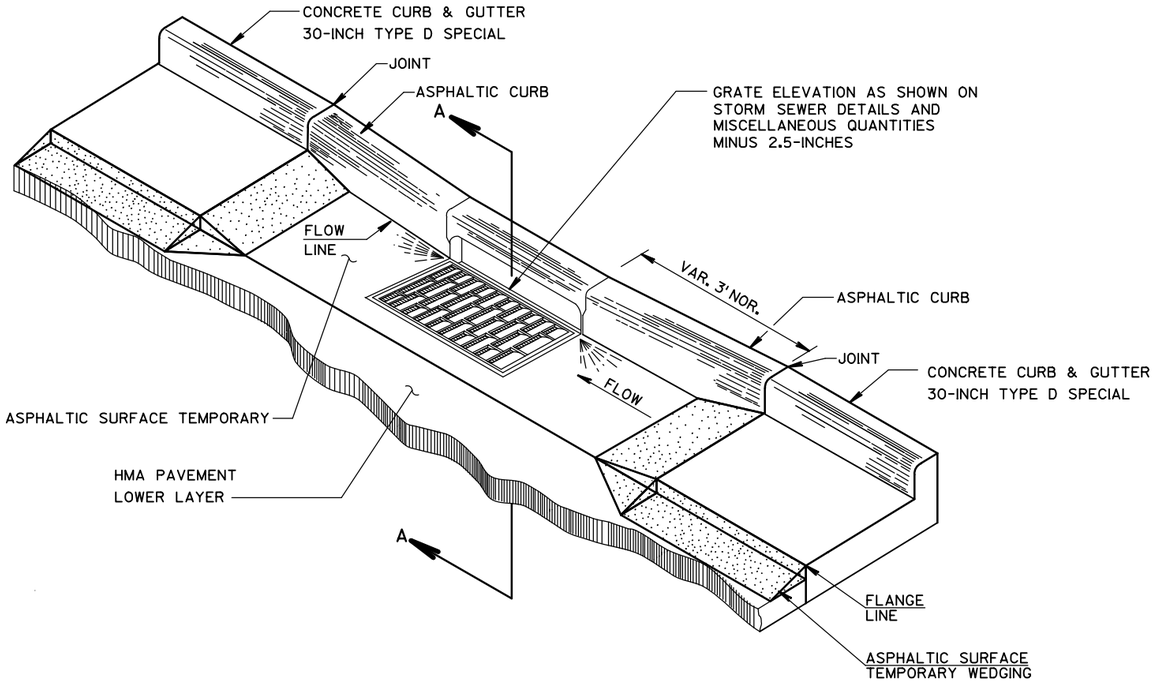


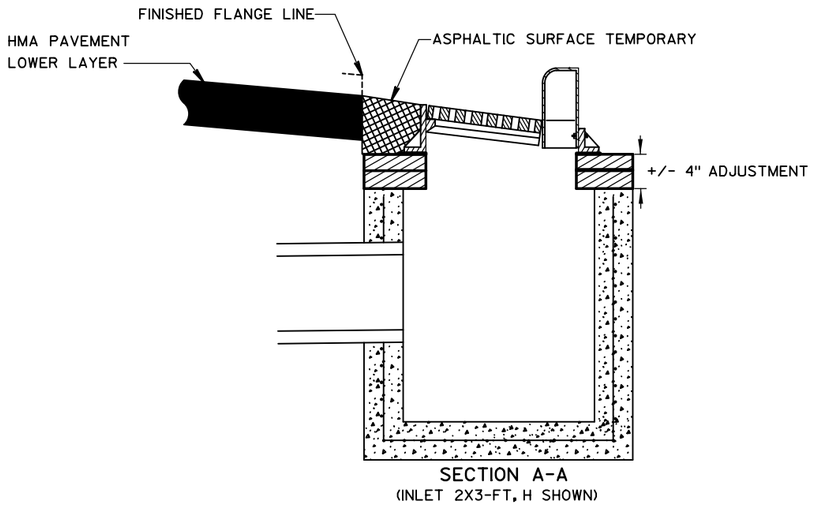
NOTES:

PLACE TEMPORARY ASPHALTIC SURFACE WEDGING PRIOR TO OPENING LANE TO TRAFFIC

PRIOR TO SURFACE PAVING, REMOVE ALL TEMPORARY ASPHALTIC SURFACE WEDGING DOWN TO THE TOP OF THE LOWER LAYER OF HMA PAVEMENT. REMOVAL OF WEDGING IS INCLUDED IN THE TEMPORARY ASPHALTIC SURFACE WEDGING ITEM.

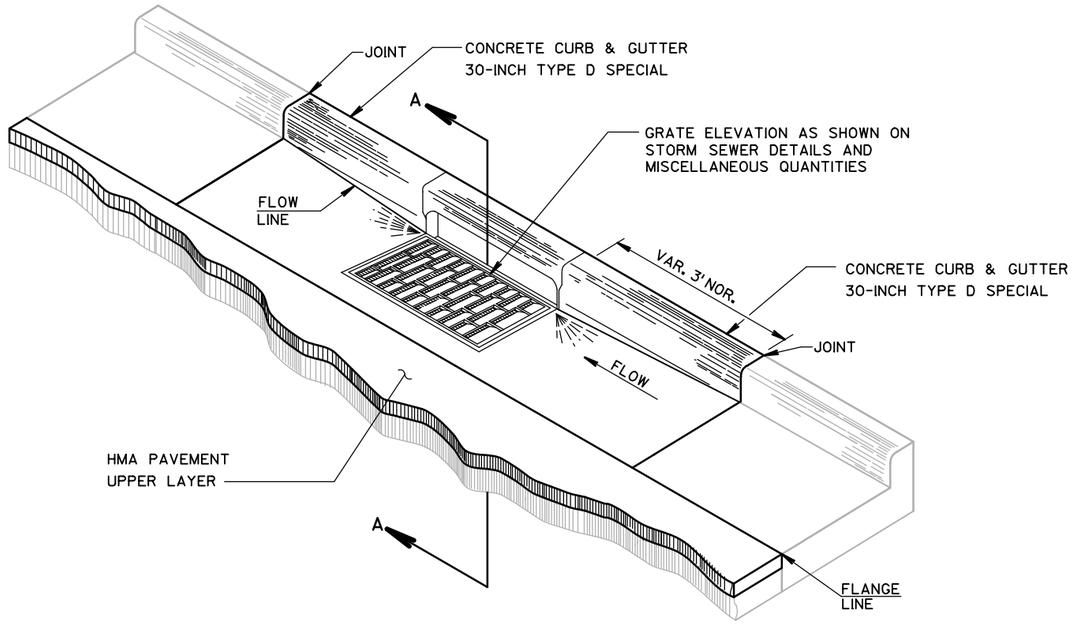
TEMPORARY ASPHALTIC SURFACE WEDGING AT MANHOLES

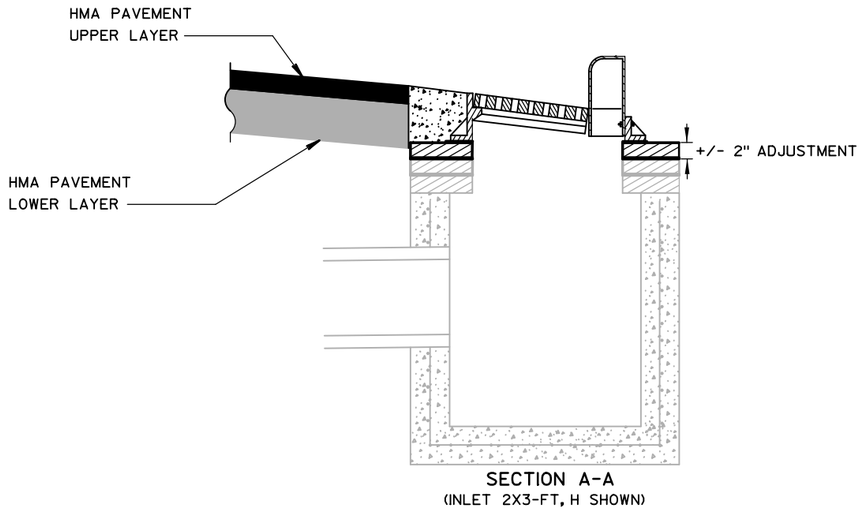




SECTION A-A
(INLET 2X3-FT, H SHOWN)

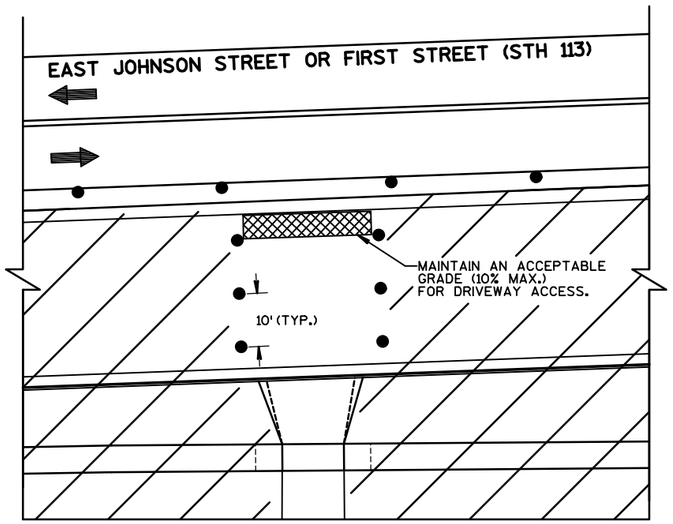
LOW POINT INLET STAGED





SECTION A-A
(INLET 2X3-FT, H SHOWN)

LOW POINT INLET FINAL

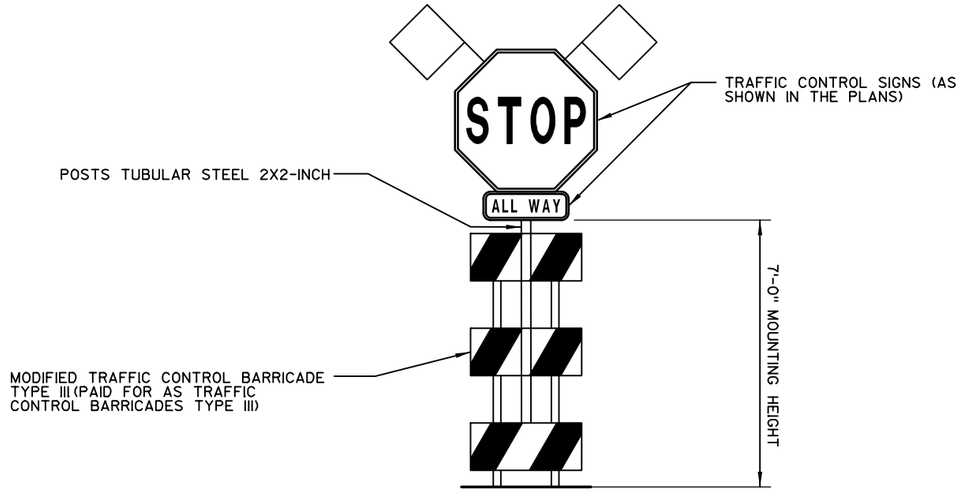


LEGEND

- WORK ZONE
- TRAFFIC FLOW ARROW
- DRUM WITHOUT LIGHT
- BASE AGGREGATE DENSE 1¼-INCH (WEDGING)

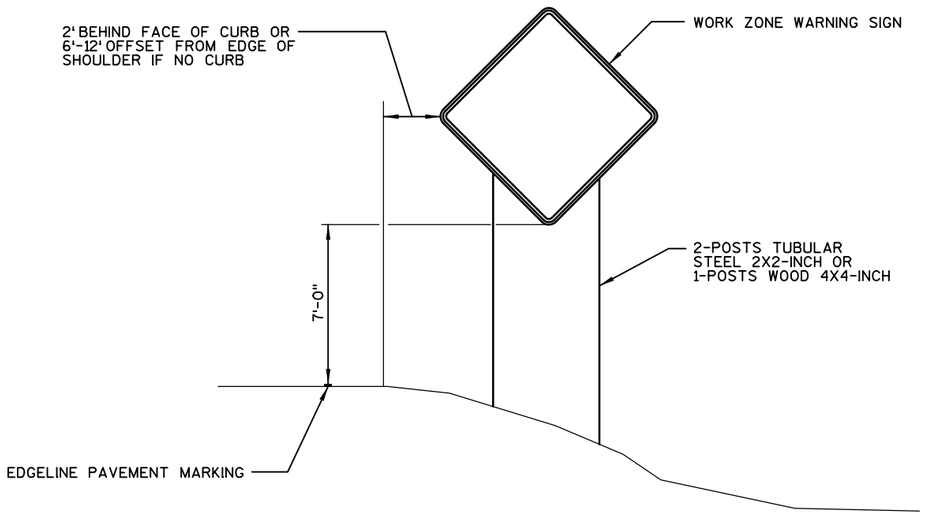
TEMPORARY ACCESS TO DRIVEWAY DETAIL - ALL CONSTRUCTION STAGES *

* DETAIL MIRRORED AS NEEDED TO MATCH APPLICABLE CONSTRUCTION STAGE.



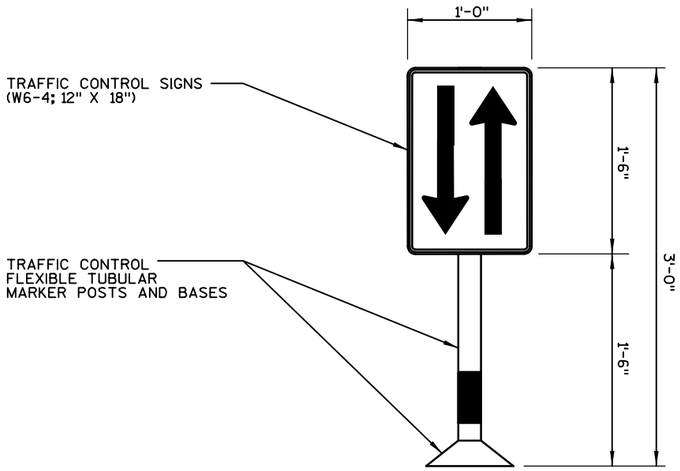
MODIFIED TRAFFIC CONTROL BARRICADES TYPE III WITH TRAFFIC CONTROL SIGNS

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS



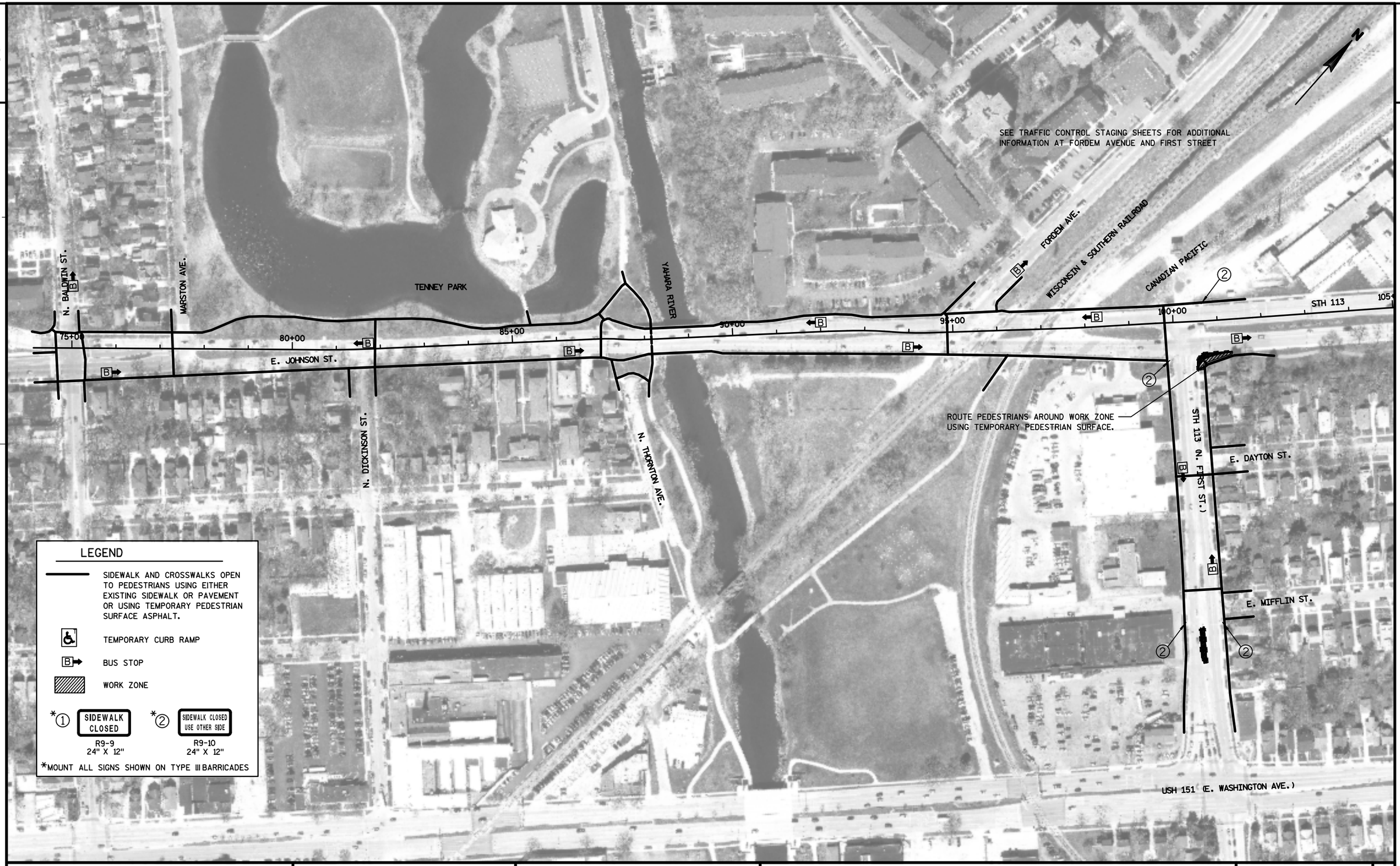
TYPICAL TEMPORARY TRAFFIC CONTROL SIGN MOUNTING ON FIXED SUPPORT

LONG TERM - 7 DAYS OR MORE



BI-DIRECTIONAL TRAFFIC PADDLE

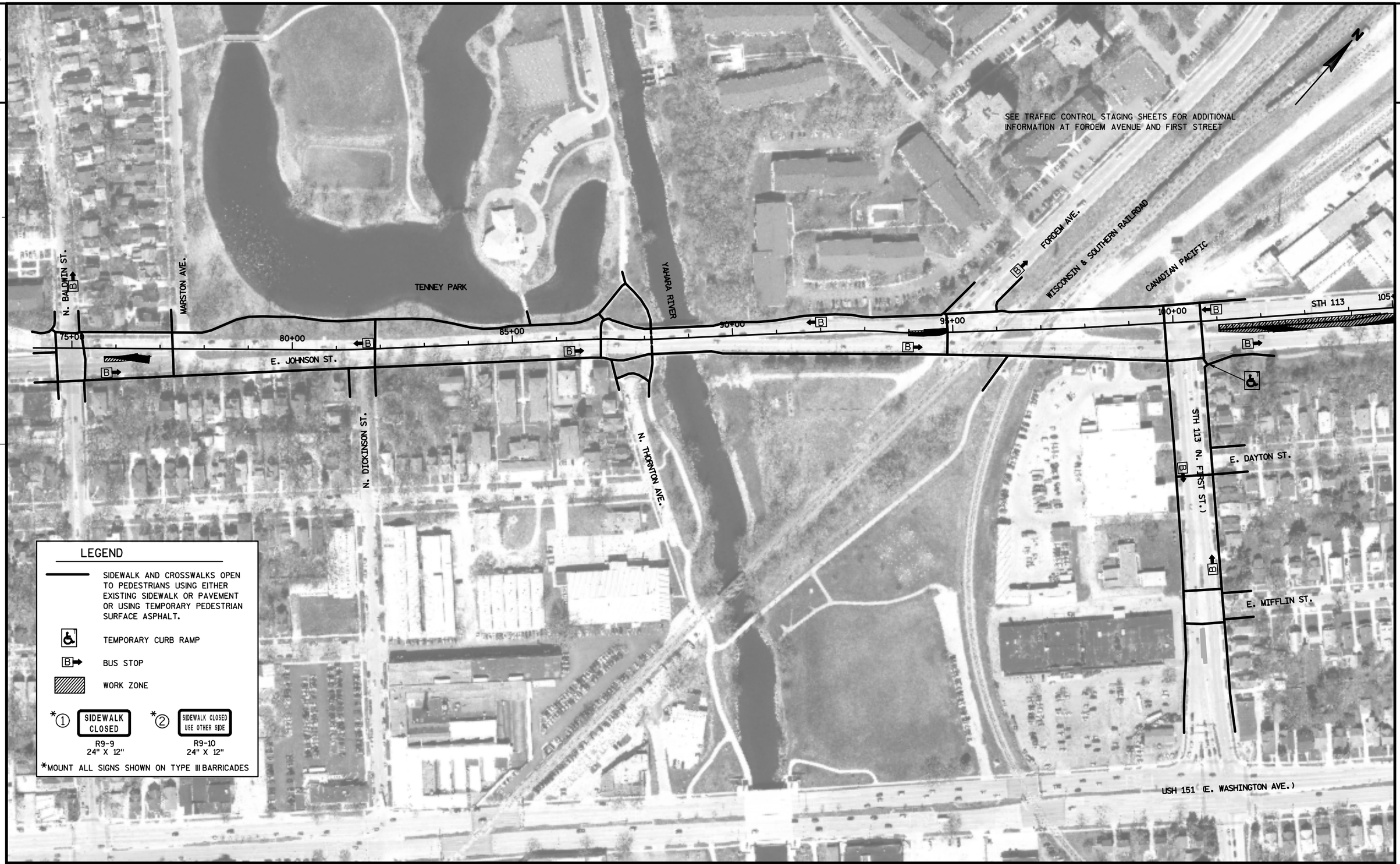
SEE TRAFFIC CONTROL PLANS FOR LOCATIONS



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 1A PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s1_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



LEGEND

- SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.
- TEMPORARY CURB RAMP
- BUS STOP
- WORK ZONE

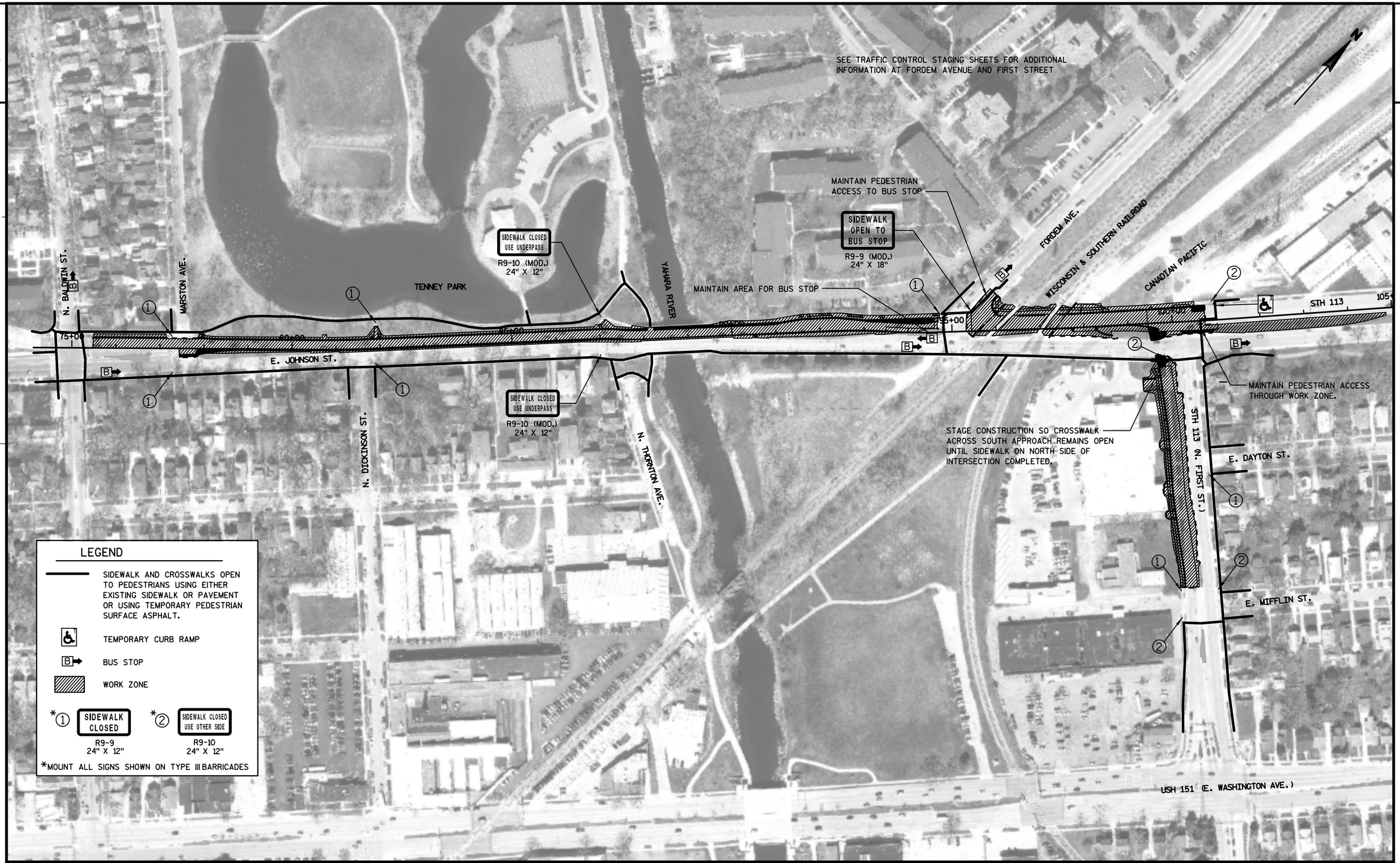
*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*MOUNT ALL SIGNS SHOWN ON TYPE III BARRICADES

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 1B PEDESTRIAN ROUTING OVERVIEW	SHEET 162 E

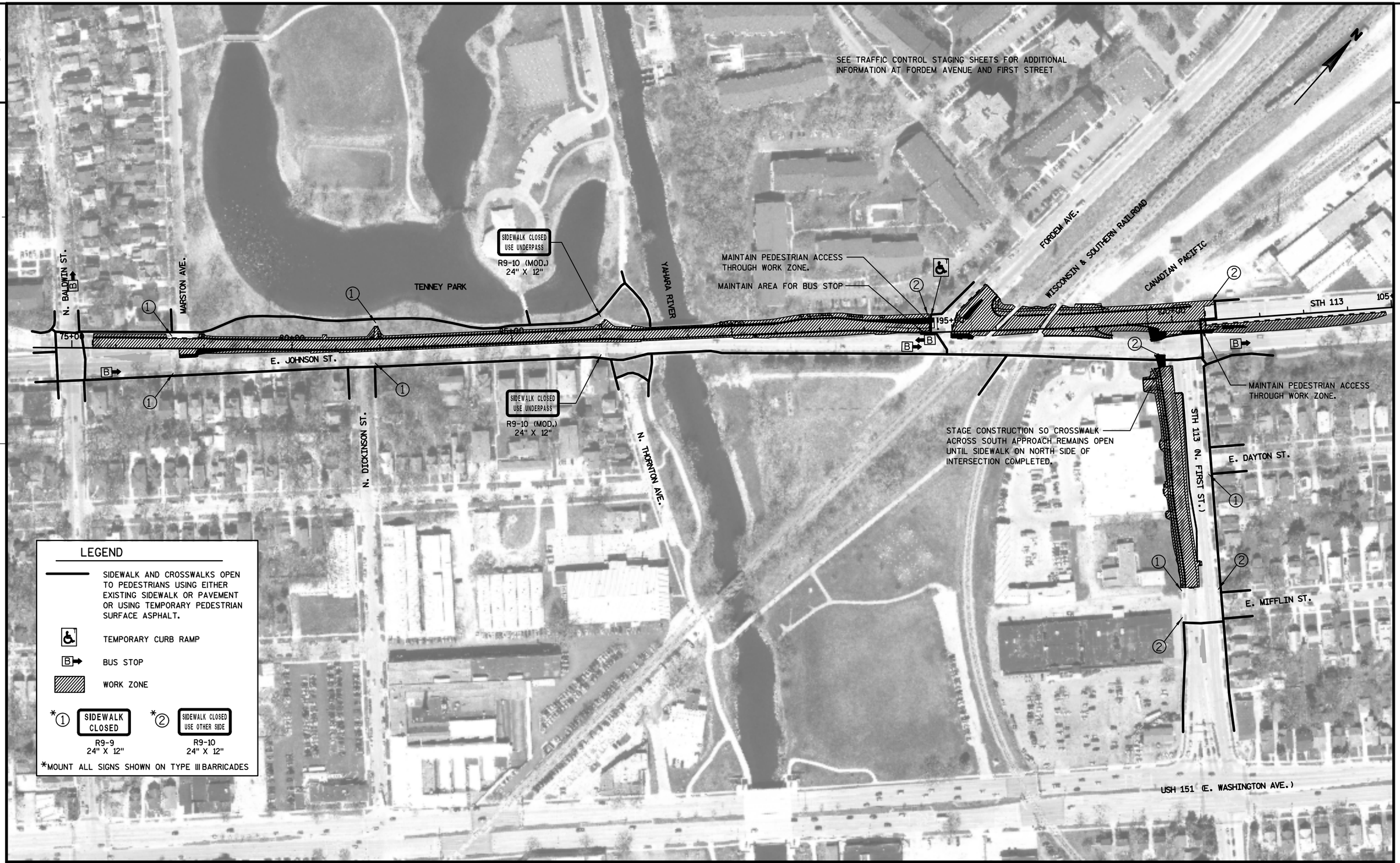
2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s2_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 2A PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s2a_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION AT FORDEM AVENUE AND FIRST STREET

MAINTAIN PEDESTRIAN ACCESS USING NEW AND TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS PHASE.

SIDEWALK CLOSED USE UNDERPASS
R9-10 (MOD.)
24" X 12"

SIDEWALK CLOSED USE UNDERPASS
R9-10 (MOD.)
24" X 12"

REOPEN SIDEWALK AND CROSSWALK ACROSS SOUTH APPROACH OF THE FIRST STREET INTERSECTION UPON COMPLETION OF TEMPORARY PAVEMENT IN SOUTHWEST QUADRANT.

MAINTAIN EXISTING CURB RAMP

SIDEWALK OPEN TO BUS STOP
R9-9 (MOD.)
24" X 18"

MAINTAIN AREA FOR BUS STOP

MAINTAIN PEDESTRIAN ACCESS THROUGH WORK ZONE.

TENNEY PARK

YAHARA RIVER

N. BALDWIN ST.

MARSTON AVE.

E. JOHNSON ST.

N. DICKINSON ST.

N. THORNTON AVE.

FORDEM AVE.

WISCONSIN & SOUTHERN RAILROAD

CANADIAN PACIFIC

STH 113

STH 113 (N. FIRST ST.)

E. DAYTON ST.

E. MIFFLIN ST.

USH 151 (E. WASHINGTON AVE.)

75+00

80+00

85+00

90+00

95+00

100+00

105+00

LEGEND

- SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.
- TEMPORARY CURB RAMP
- BUS STOP
- WORK ZONE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

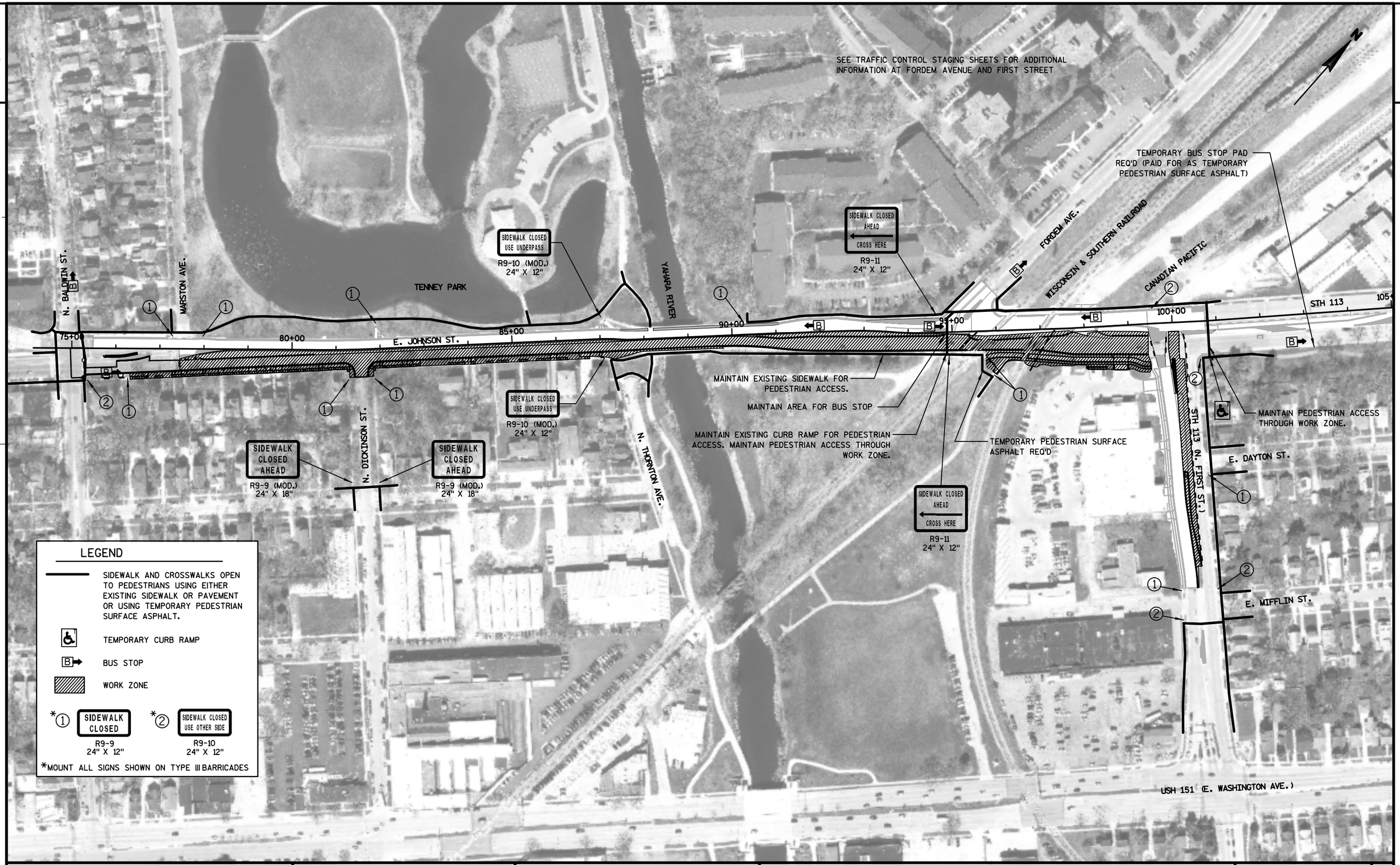
*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*MOUNT ALL SIGNS SHOWN ON TYPE III BARRICADES

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 2B PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s2b_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 3 PEDESTRIAN ROUTING OVERVIEW (PHASE 1)	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s3_Phase 1_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N. BALDWIN ST.

MARSTON AVE.

TENNEY PARK

YAHARA RIVER

SIDEWALK CLOSED USE UNDERPASS
R9-10 (MOD.)
24" X 12"

SIDEWALK CLOSED AHEAD
R9-9 (MOD.)
24" X 18"

SIDEWALK OPEN TO BUS STOP
R9-9 (MOD.)
24" X 18"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"

FORDEM AVE.

WISCONSIN & SOUTHERN RAILROAD

SIDEWALK CLOSED WEST OF FORDEM
CROSS HERE
R9-11 (MOD.)
24" X 12"

STH 113

75+00

80+00

85+00

90+00

95+00

100+00

105+

MAINTAIN AREA FOR BUS STOP (TEMPORARY BUS STOP PAD REQ'D; PAID FOR AS TEMPORARY PEDESTRIAN SURFACE ASPHALT)

MAINTAIN PEDESTRIAN ACCESS THROUGH WORK ZONE.

N. DICKINSON ST.

N. THORNTON AVE.

SIDEWALK CLOSED USE UNDERPASS
R9-10 (MOD.)
24" X 12"

SIDEWALK CLOSED AHEAD
R9-9 (MOD.)
24" X 18"

SIDEWALK CLOSED AHEAD
R9-9 (MOD.)
24" X 18"

SIDEWALK CLOSED ON JOHNSON ST
DETOUR
R9-11 (MOD.)
24" X 12"

JOHNSON ST SIDEWALK
DETOUR
R9-11 (MOD.)
24" X 12"

ROUTE BIKES/PEDESTRIANS ONTO NEW PATH/SIDEWALK CONSTRUCTED IN PREVIOUS PHASE

STH 113 (N. FIRST ST.)

E. DAYTON ST.

E. MIFFLIN ST.

USH 151 (E. WASHINGTON AVE.)

LEGEND

- SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.
- TEMPORARY CURB RAMP
- BUS STOP
- WORK ZONE

*① SIDEWALK CLOSED
R9-9
24" X 12"

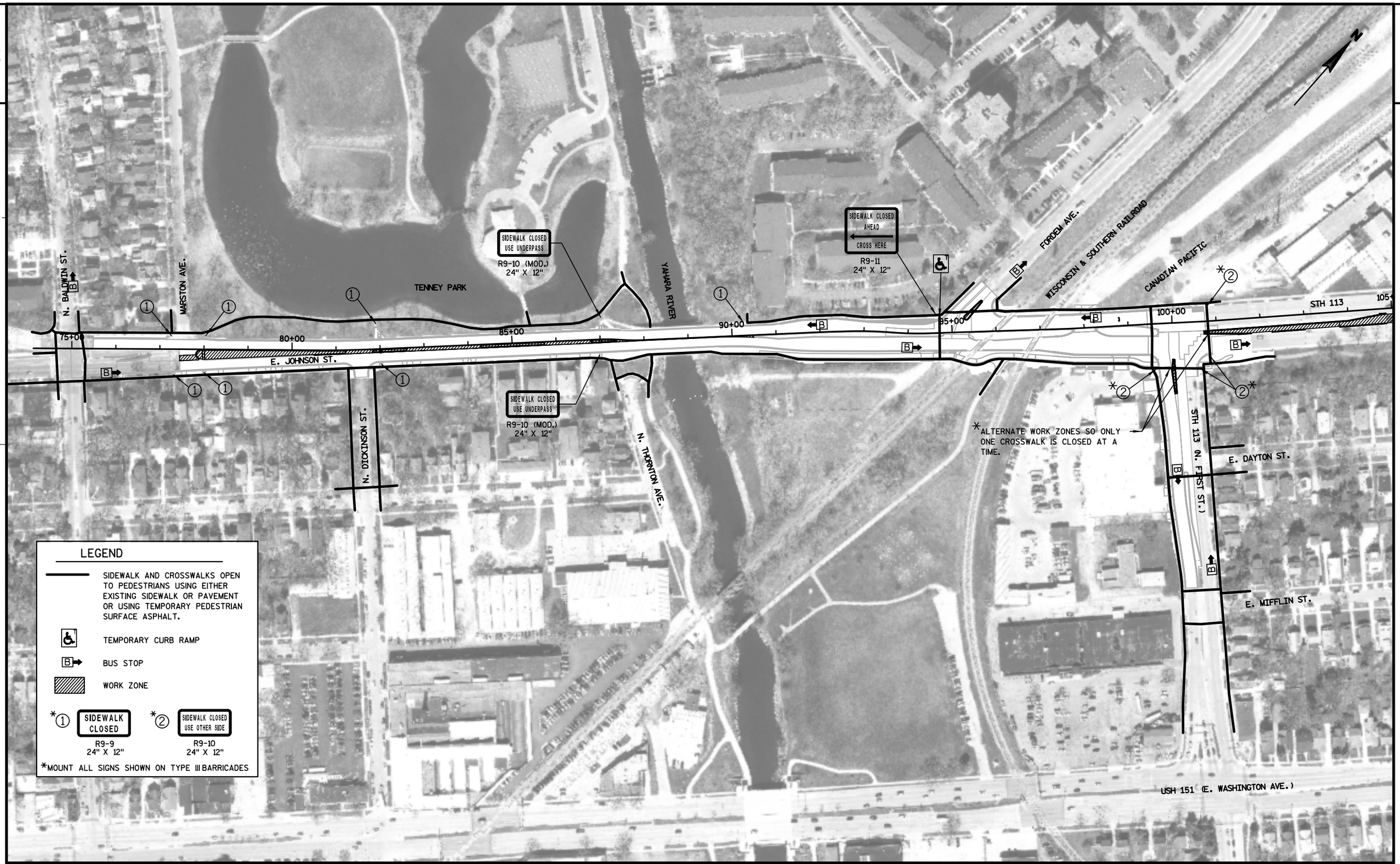
*② SIDEWALK CLOSED USE OTHER SIDE
R9-10
24" X 12"

*MOUNT ALL SIGNS SHOWN ON TYPE III BARRICADES

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 3 PEDESTRIAN ROUTING OVERVIEW (PHASE 2)	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s3_Phase 2_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

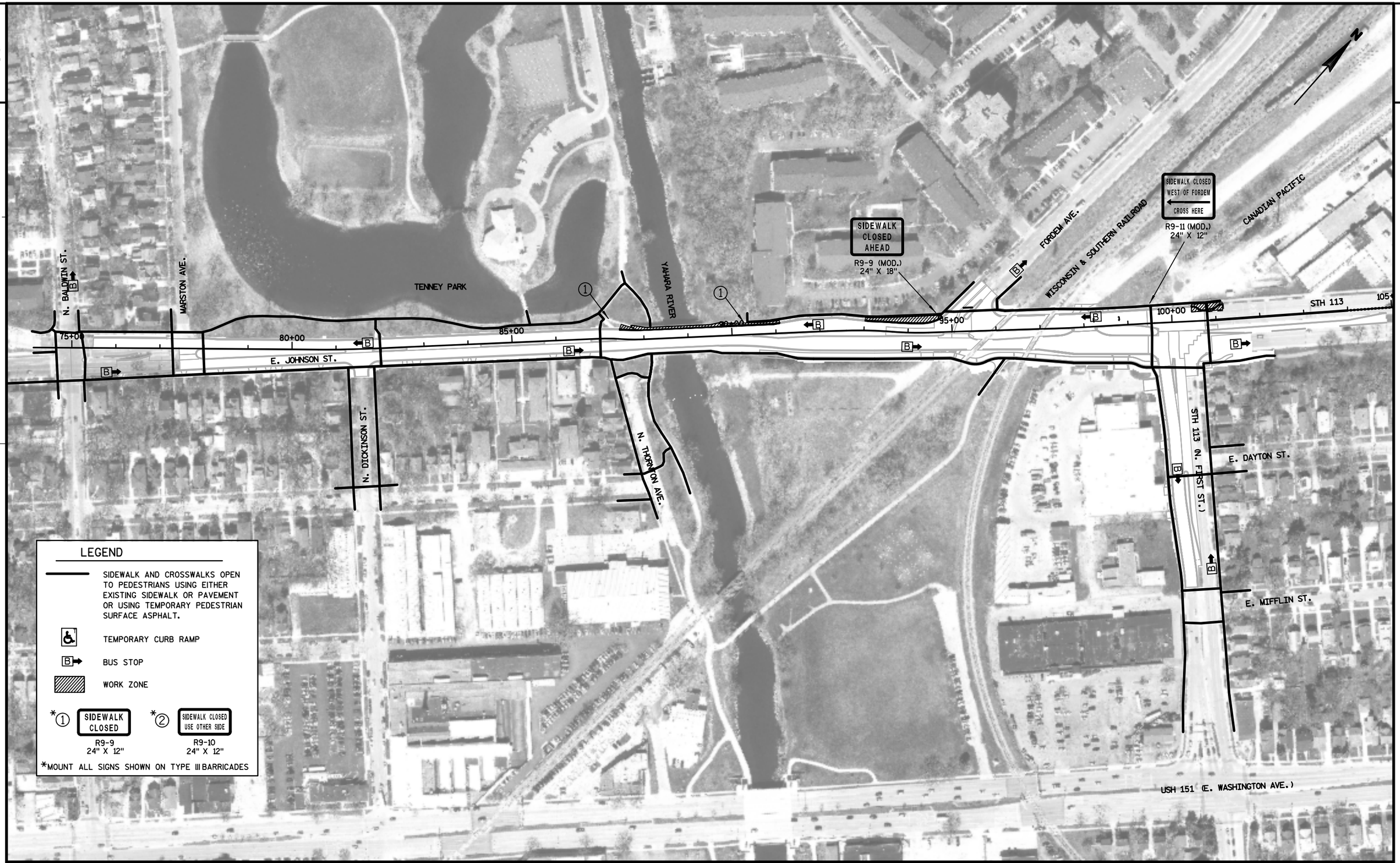
2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 4 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

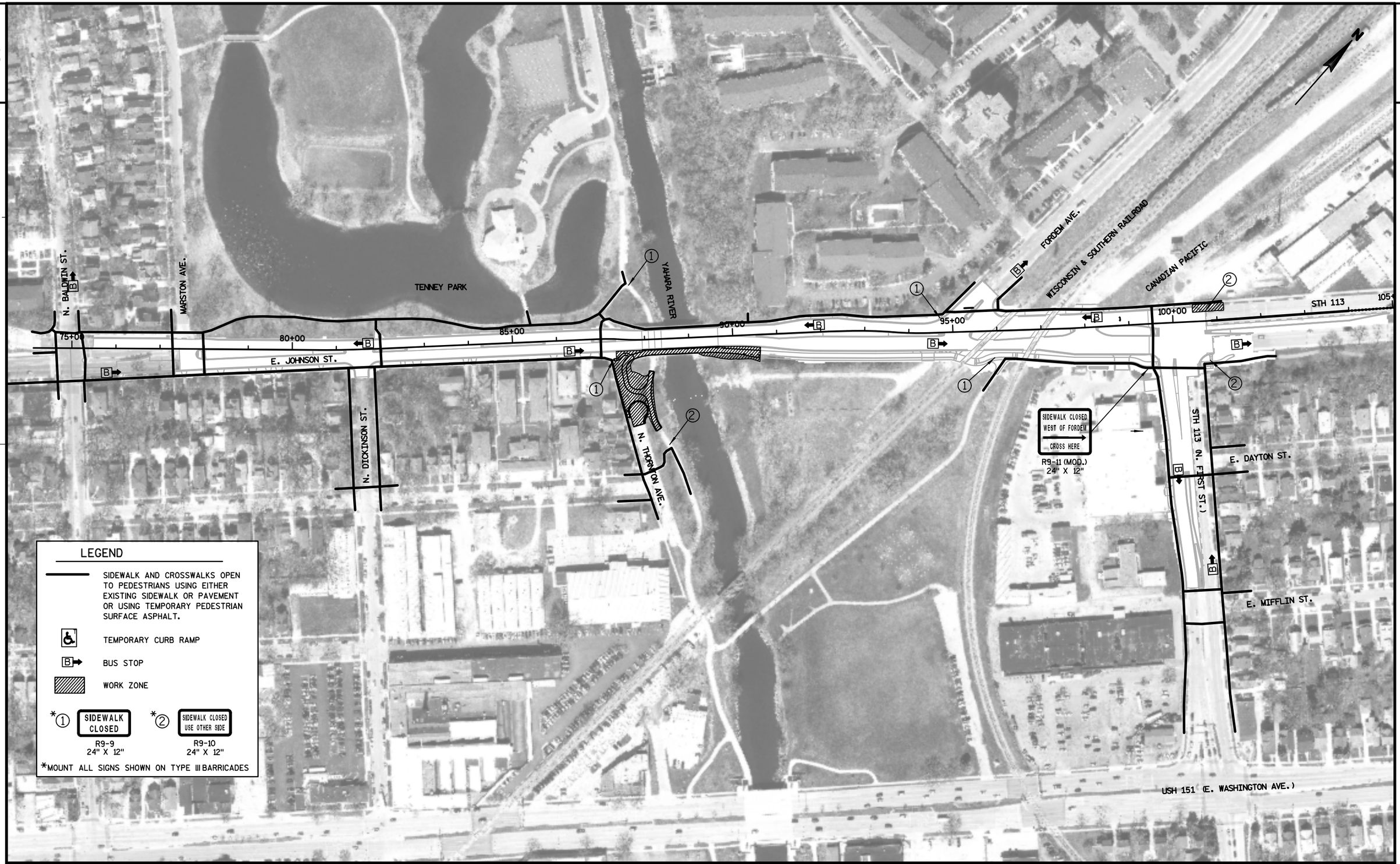
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s4_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



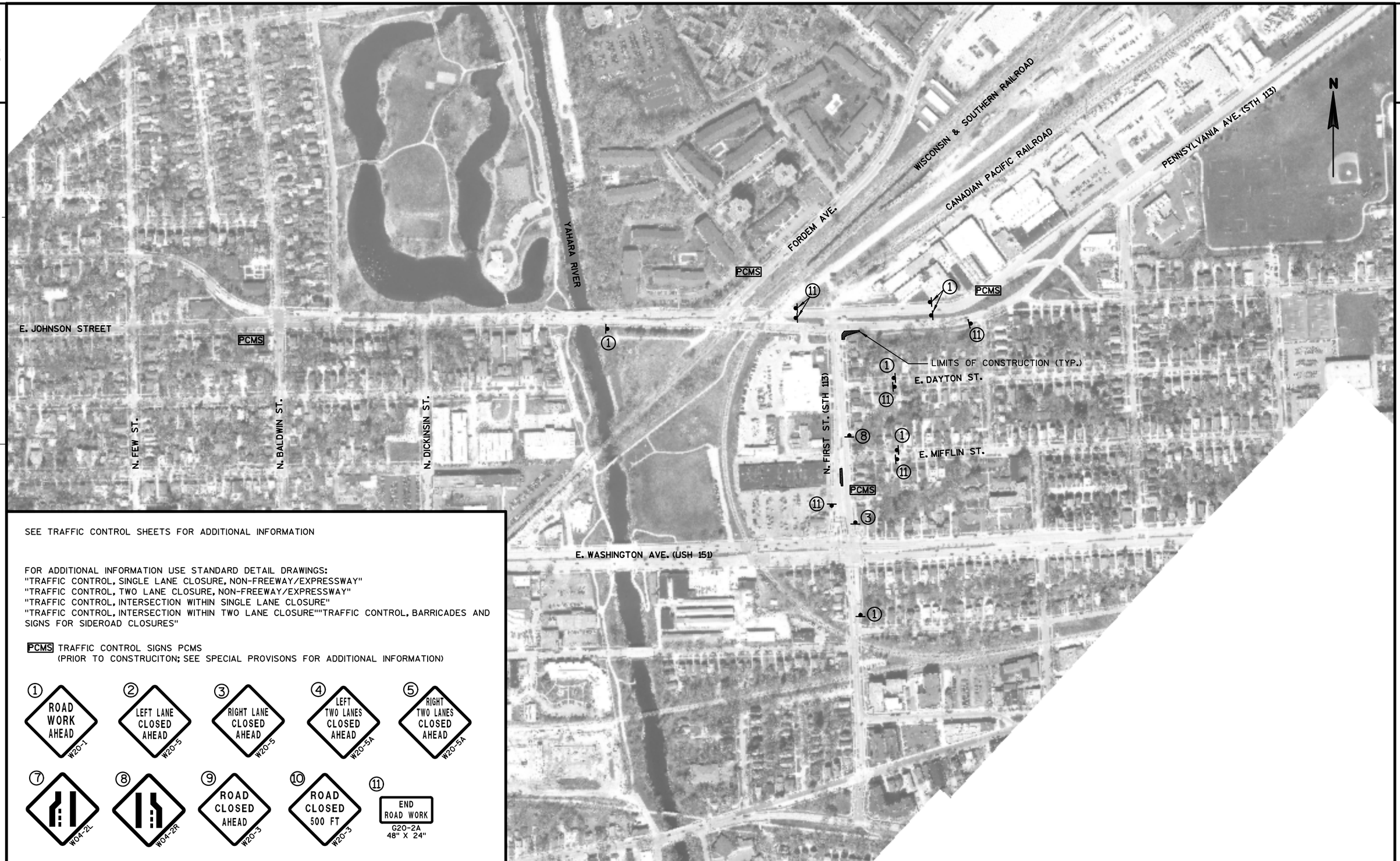
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 4A PEDESTRIAN ROUTING OVERVIEW	SHEET 169 E

2



2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 4B PEDESTRIAN ROUTING OVERVIEW	SHEET 170	E



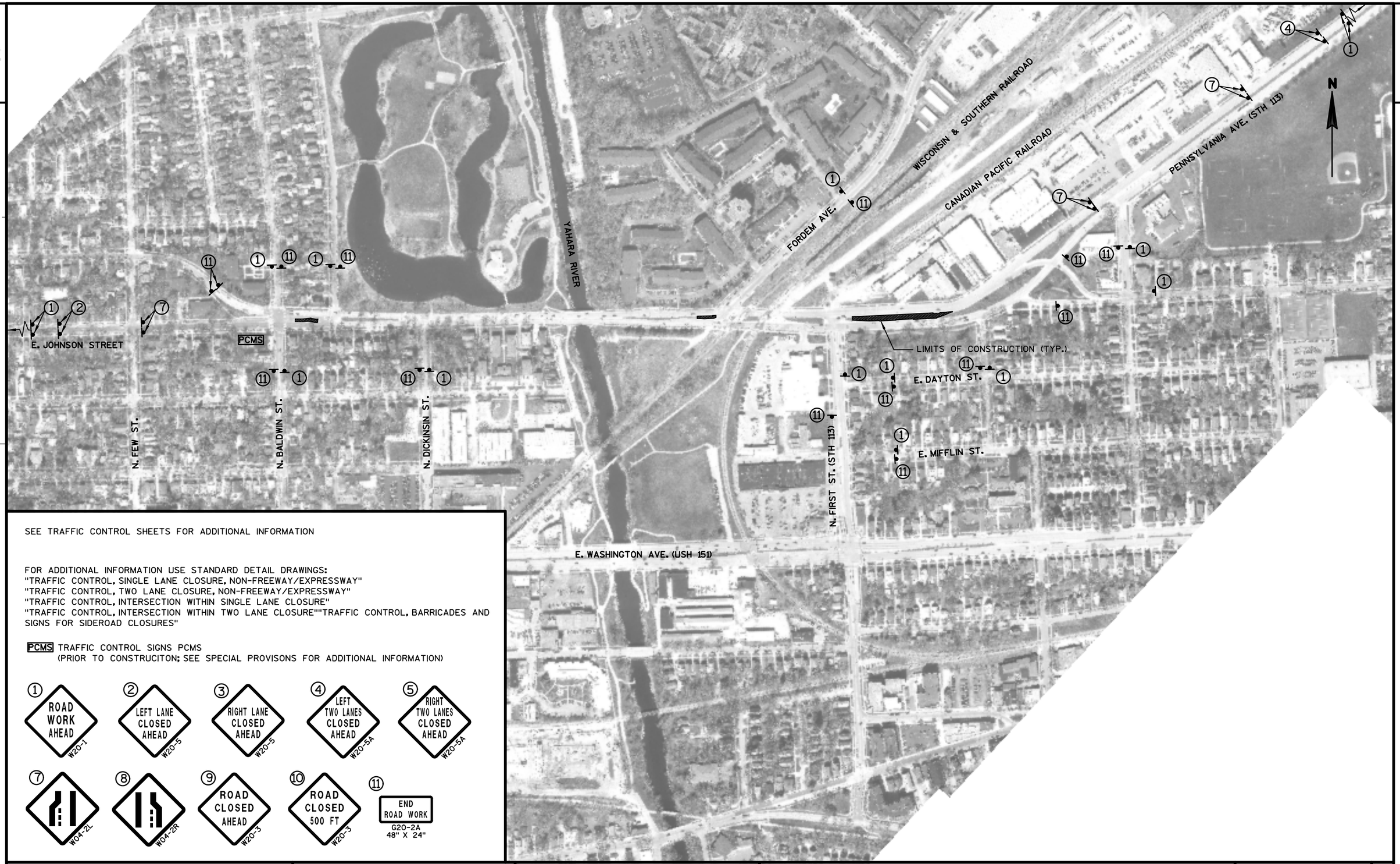
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE""TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCITON; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGE 1A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026000_s1_Advance Warning.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



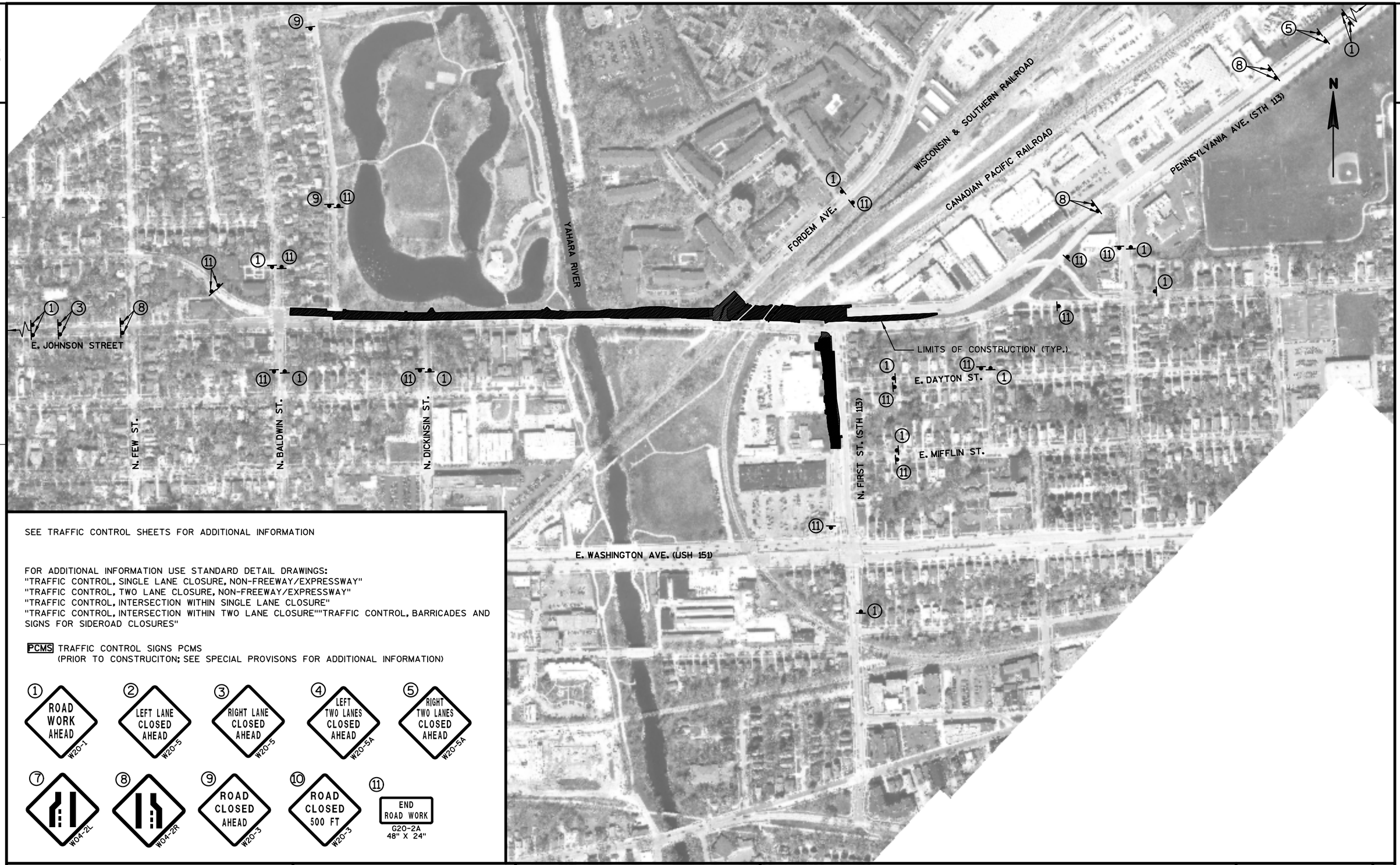
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE""TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCITON; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026000_s1B_Advance Warning.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE""TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCITON; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGES 2, 2A, AND 2B	SHEET 173 E

SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

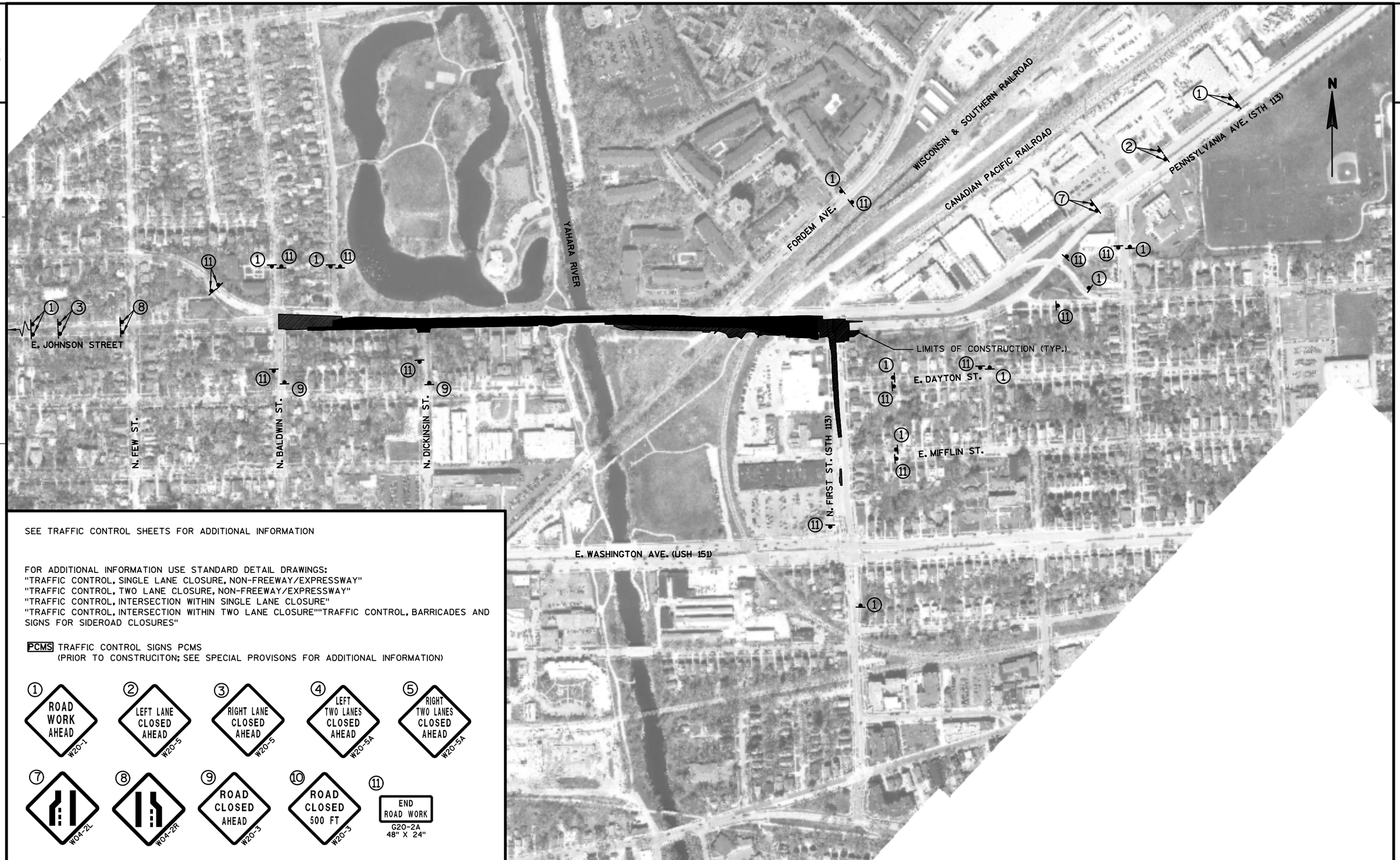
FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE""TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCITON; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

1. ROAD WORK AHEAD W20-1
2. LEFT LANE CLOSED AHEAD W20-5
3. RIGHT LANE CLOSED AHEAD W20-5
4. LEFT TWO LANES CLOSED AHEAD W20-5A
5. RIGHT TWO LANES CLOSED AHEAD W20-5A
7. W04-2L
8. W04-2R
9. ROAD CLOSED AHEAD W20-3
10. ROAD CLOSED 500 FT W20-3
11. END ROAD WORK G20-2A 48" X 24"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGES 3, 3A, 3B, 3C, AND 3D	SHEET 174 E

2



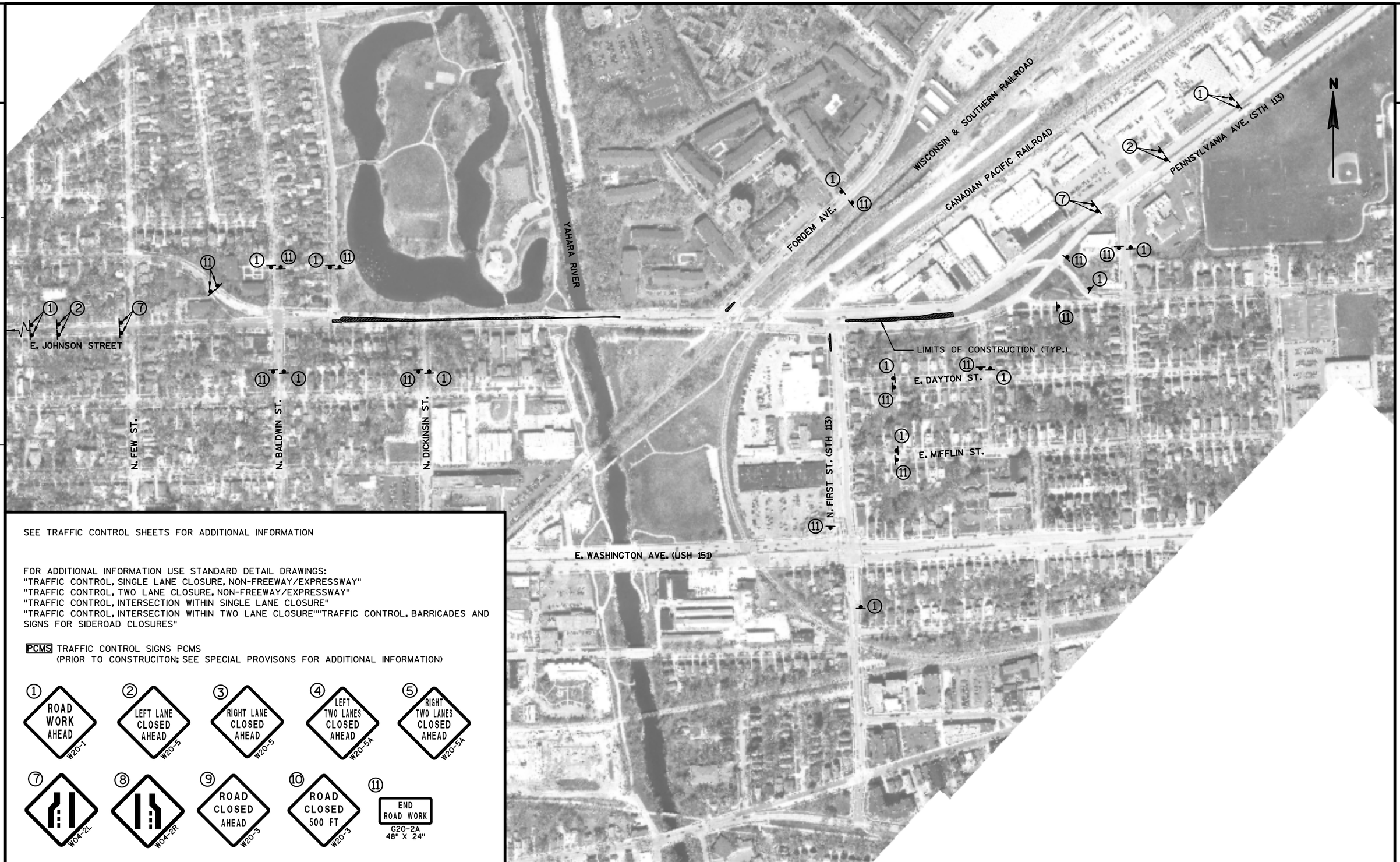
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE""TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCITON; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGES 3 WITH OUTBOUND DETOUR	SHEET 175	E

2



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

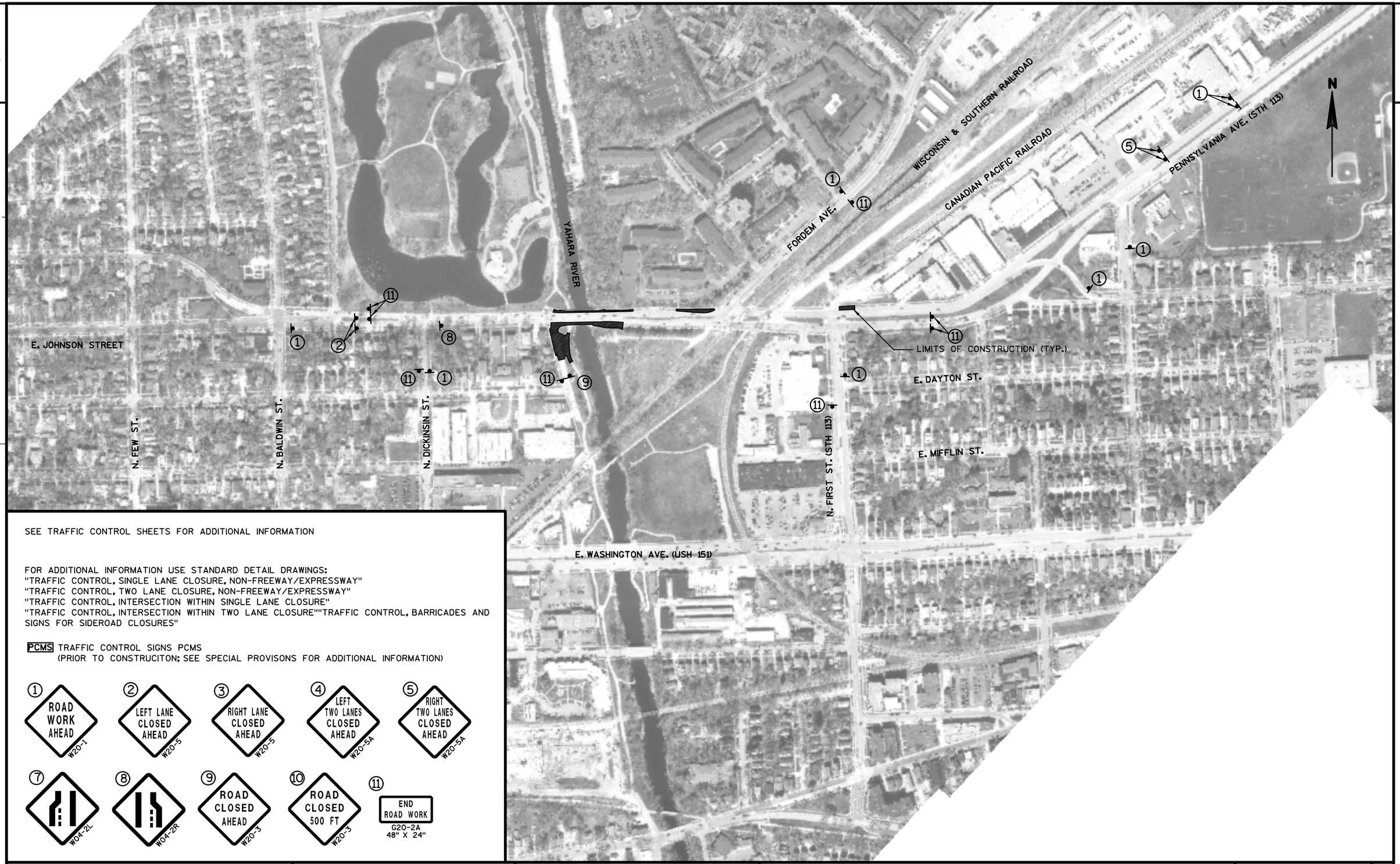
FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE""TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCITON; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026000_s4_Advance Warning.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

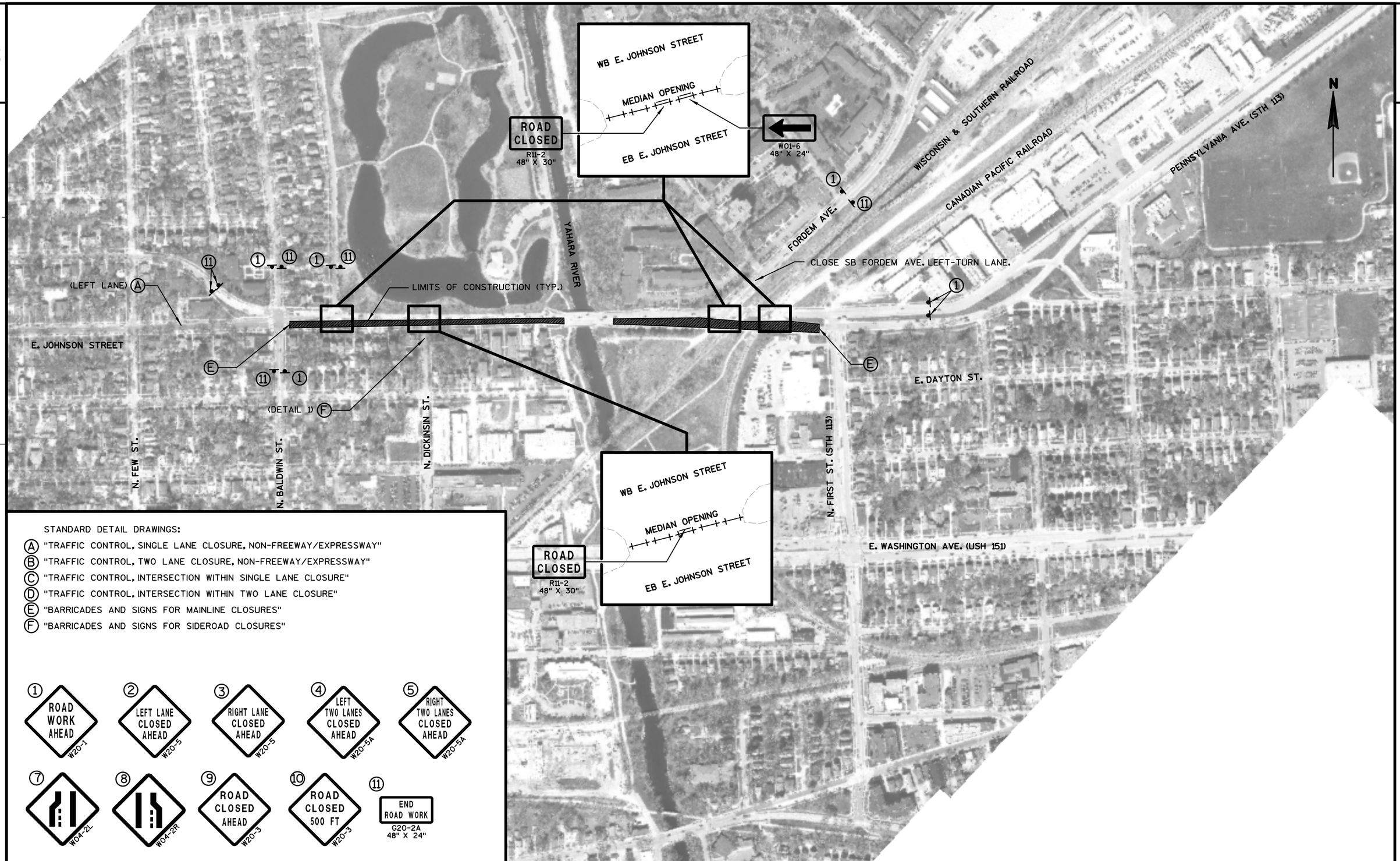


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE""TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCITON; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGES 4A AND 4B	SHEET 177	E

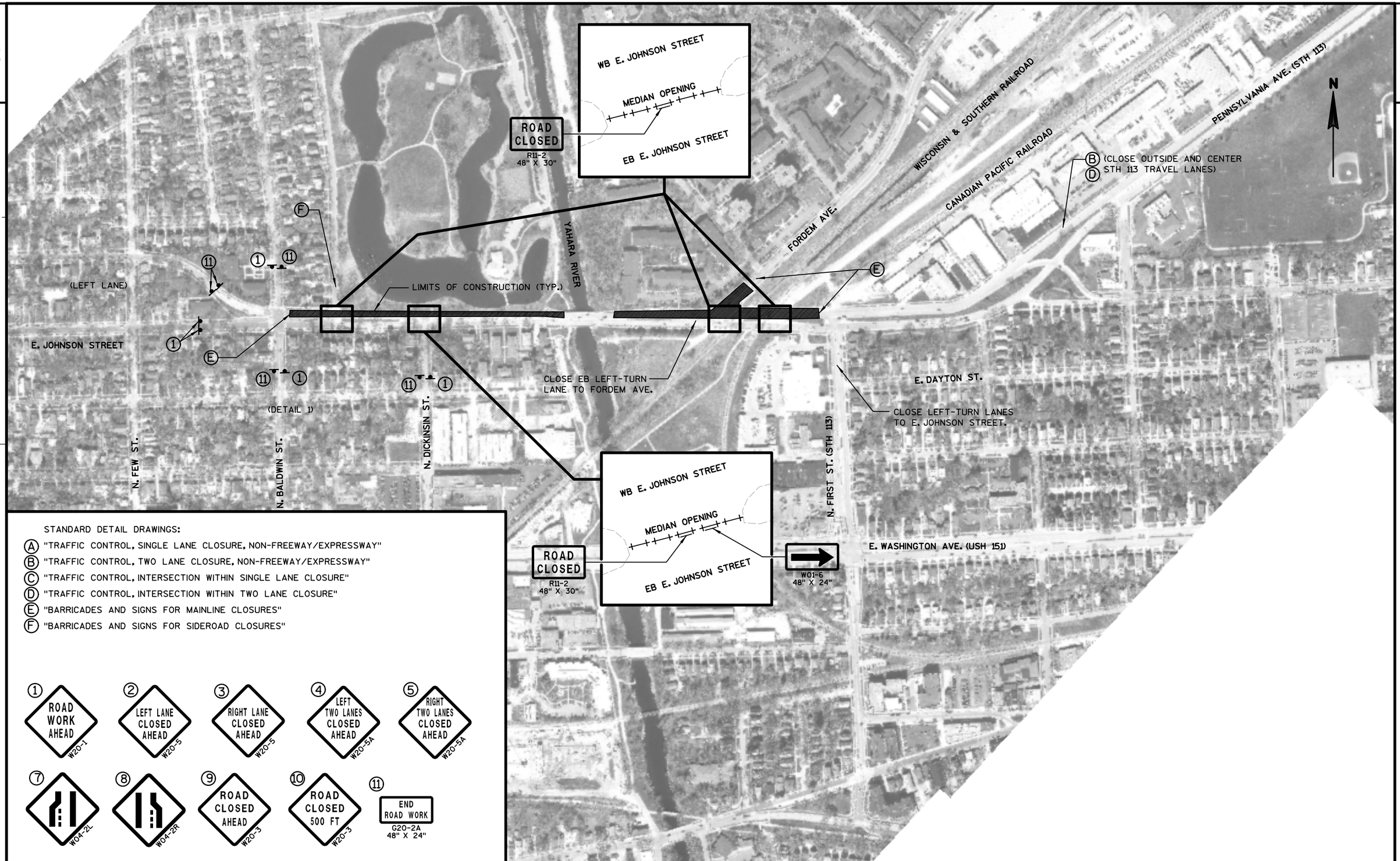


STANDARD DETAIL DRAWINGS:

- (A) "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
- (B) "TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
- (C) "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
- (D) "TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
- (E) "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- (F) "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGE 5; EB DIRECTIONAL DETOUR	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026000_s5_Advance Warning.dgn PLOT DATE : 7/20/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

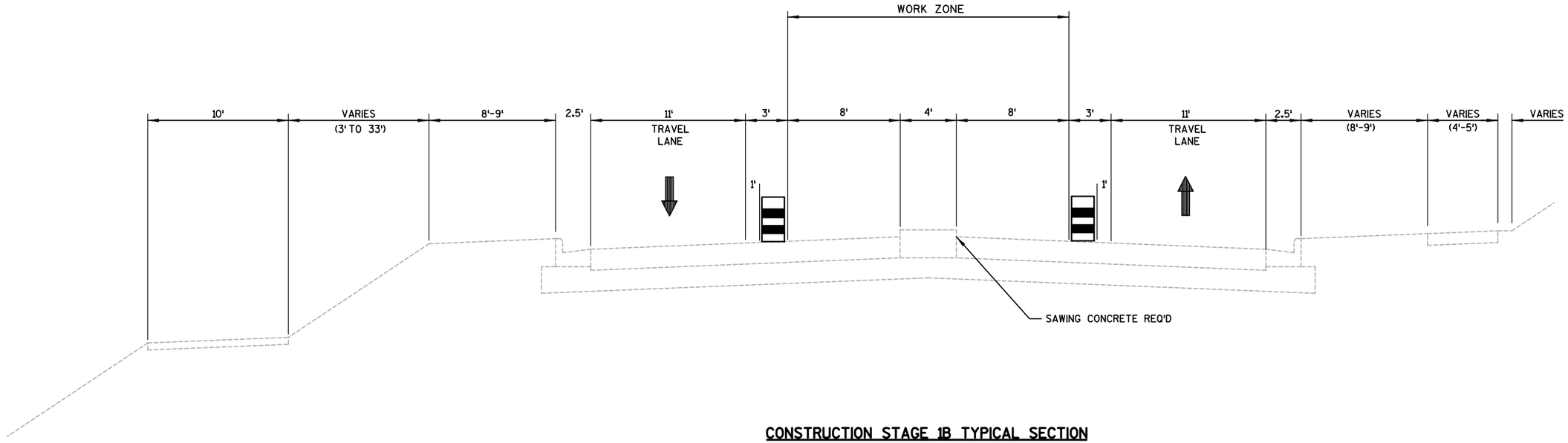


STANDARD DETAIL DRAWINGS:

- (A) "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
- (B) "TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
- (C) "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
- (D) "TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
- (E) "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- (F) "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

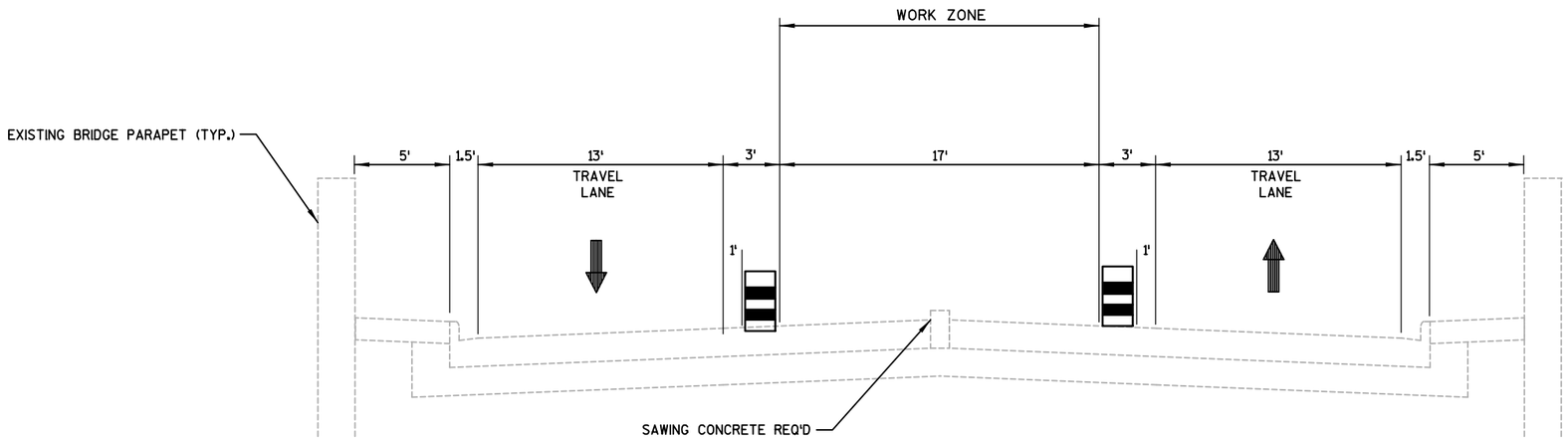
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGE 5; WB DIRECTIONAL DETOUR	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026000_s5A_Advance Warning.dgn PLOT DATE : 7/20/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 1B TYPICAL SECTION
EAST JOHNSON STREET

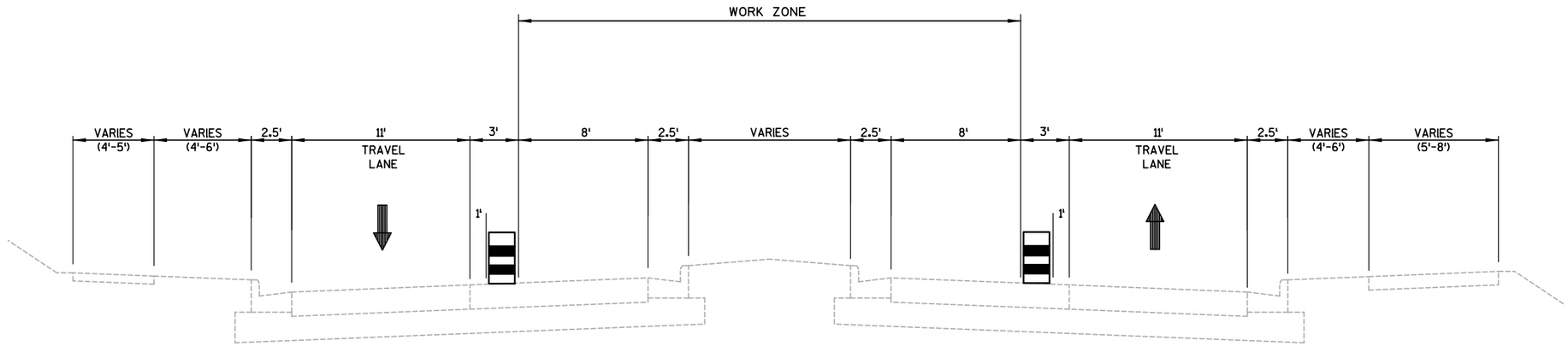
STA. 81+09 - STA. 87+90



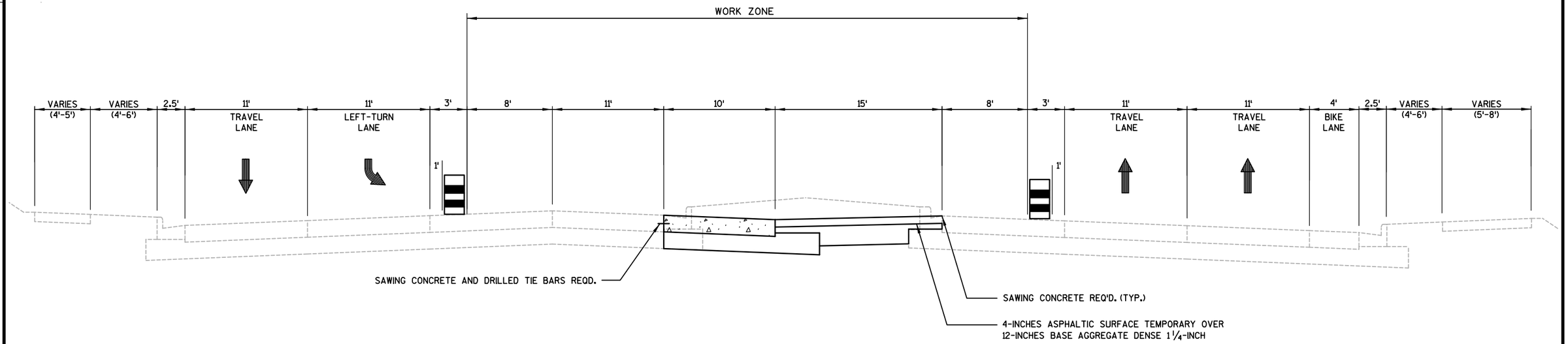
CONSTRUCTION STAGE 1B TYPICAL SECTION
EAST JOHNSON STREET

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1B	SHEET 180	E

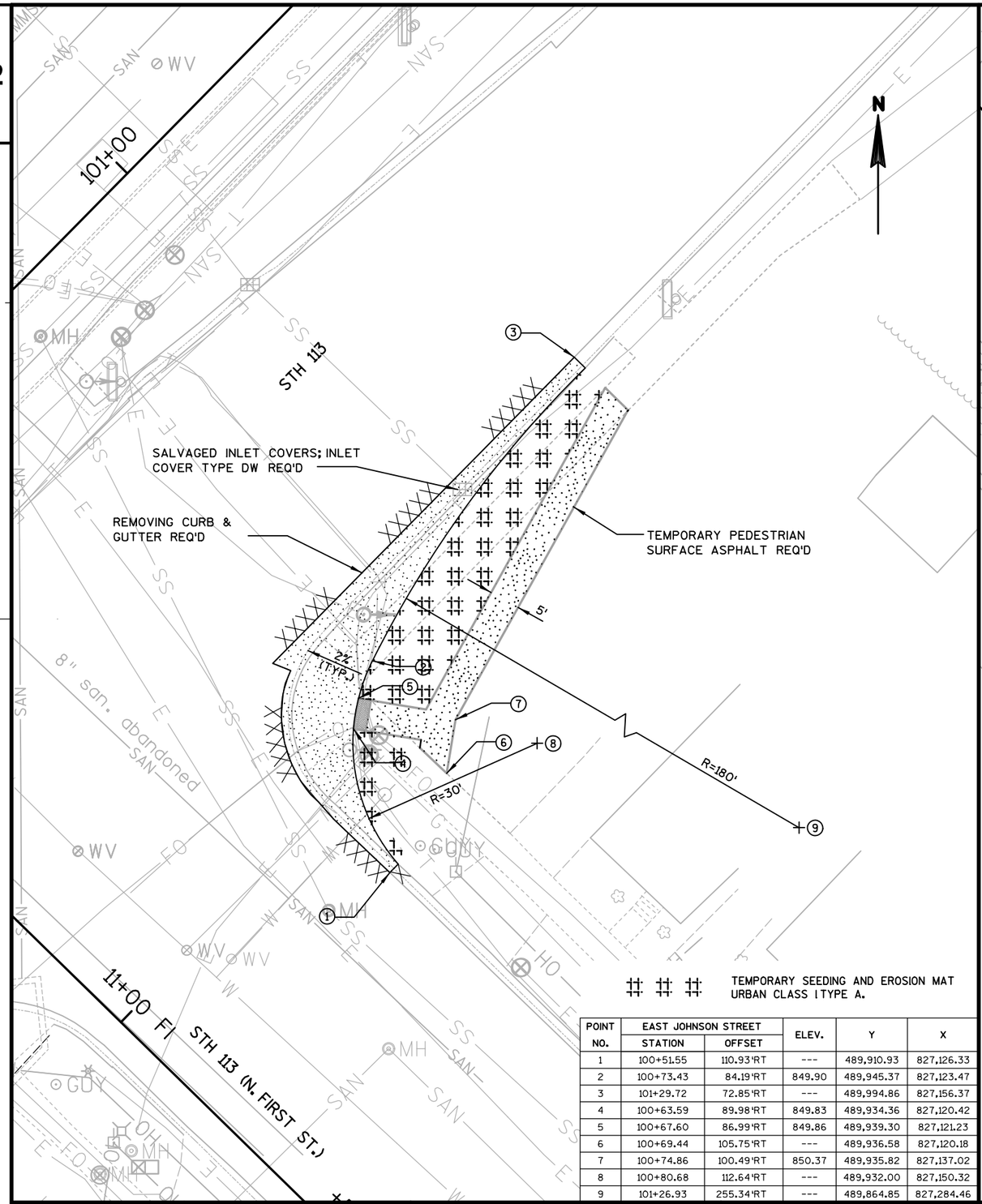


CONSTRUCTION STAGE 1B TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



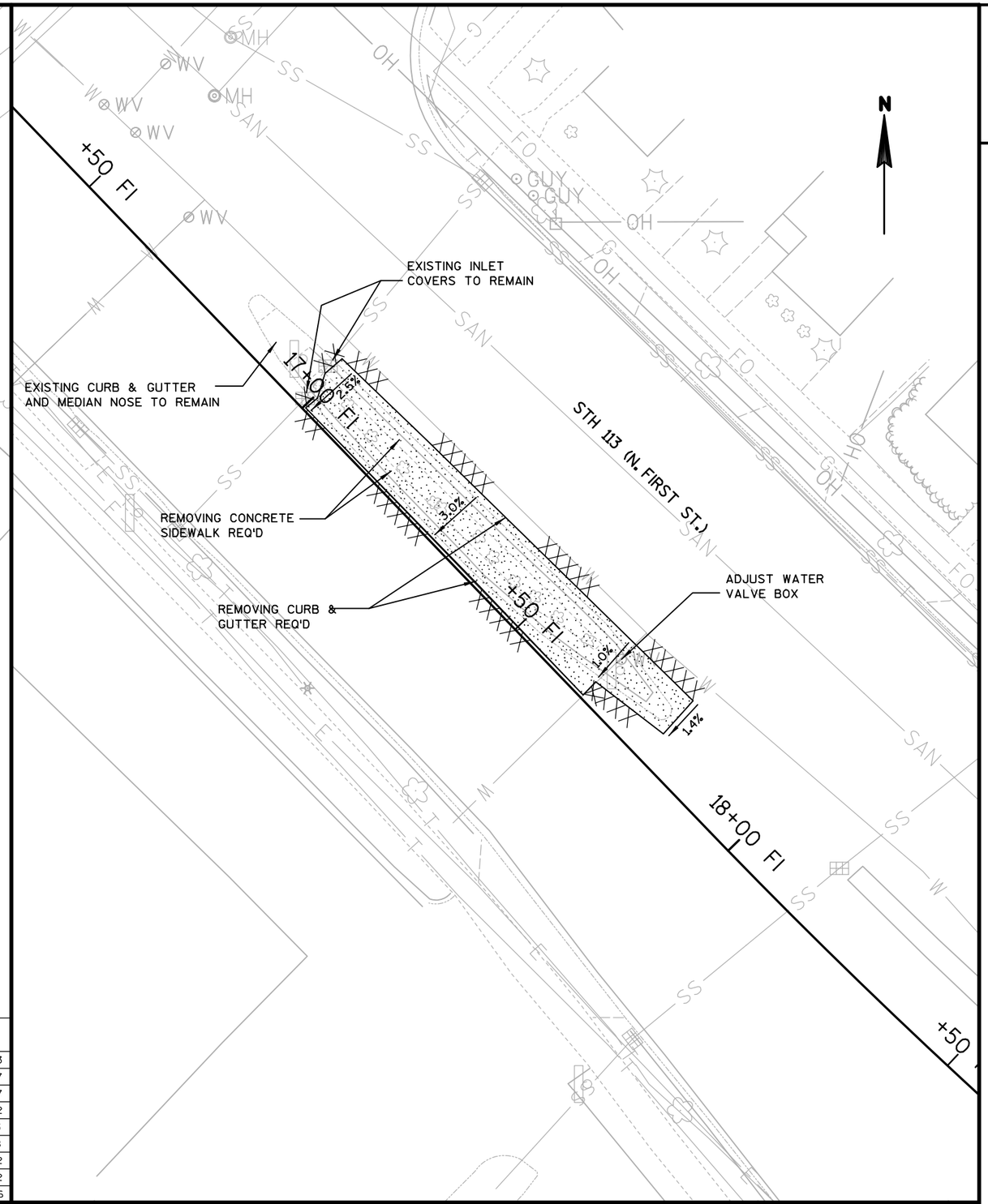
CONSTRUCTION STAGE 1B TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1B	SHEET 181	E



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	100+51.55	110.93'RT	---	489,910.93	827,126.33
2	100+73.43	84.19'RT	849.90	489,945.37	827,123.47
3	101+29.72	72.85'RT	---	489,994.86	827,156.37
4	100+63.59	89.98'RT	849.83	489,934.36	827,120.42
5	100+67.60	86.99'RT	849.86	489,939.30	827,121.23
6	100+69.44	105.75'RT	---	489,936.58	827,120.18
7	100+74.86	100.49'RT	850.37	489,935.82	827,137.02
8	100+80.68	112.64'RT	---	489,932.00	827,150.32
9	101+26.93	255.34'RT	---	489,864.85	827,284.46



2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026106_s1a.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

CANADIAN PACIFIC

N

STH 113

MATCHLINE STA. 98+00

98+00 +50 99+00 +50 100+00 +50 101+00 +50 102+00 +50 103+00 +50 104+

LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

+50 FT

11+00 FT (N. FIRST ST.)

STH 113

+50 FT

10' (TYP.)

11'

11'

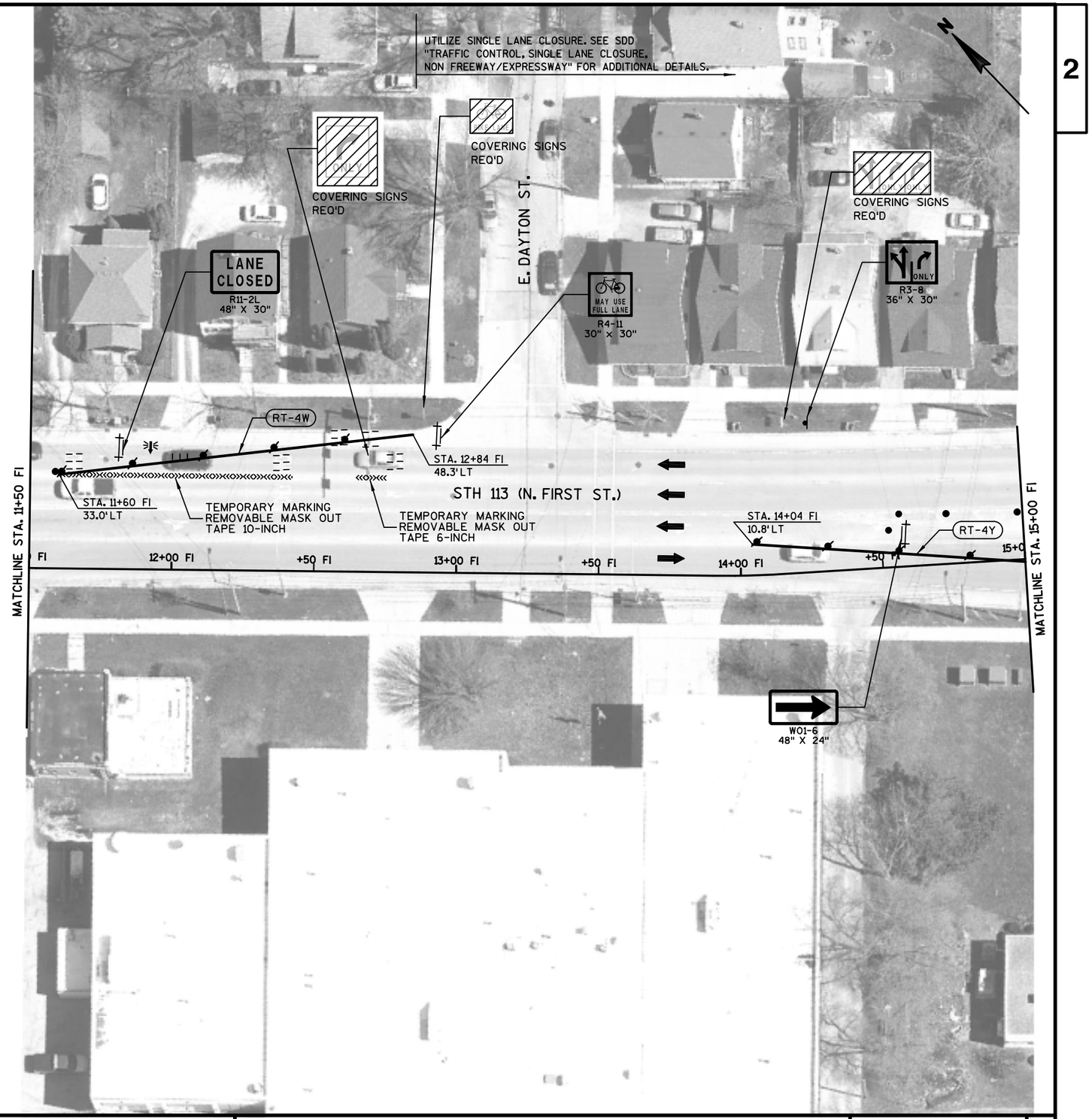
SEE "TEMPORARY PAVEMENT LAYOUT - STAGE 1A" FOR ADDITIONAL INFORMATION.

MATCHLINE STA. 11+50 FT

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026107_s1a.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

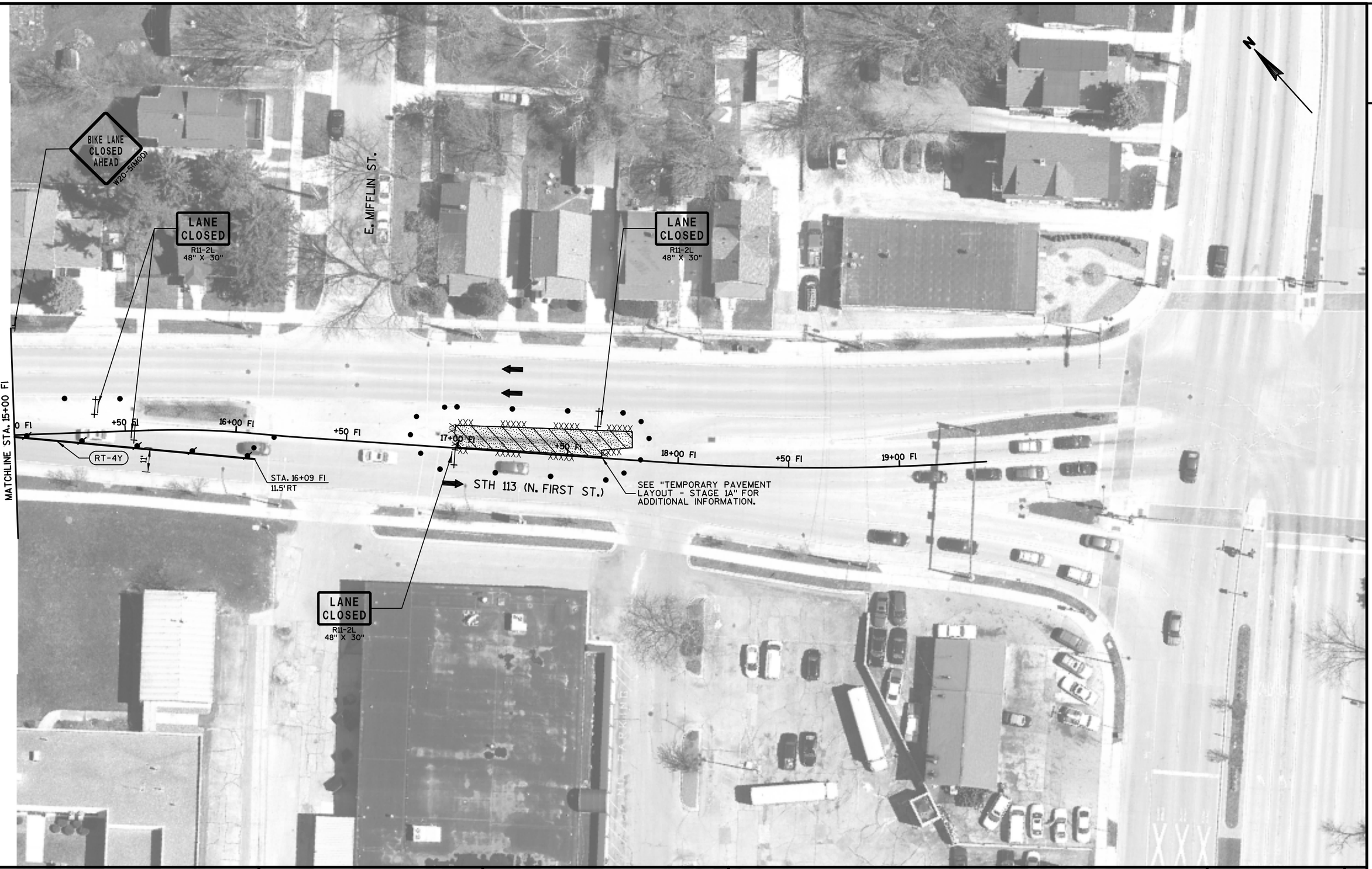
2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

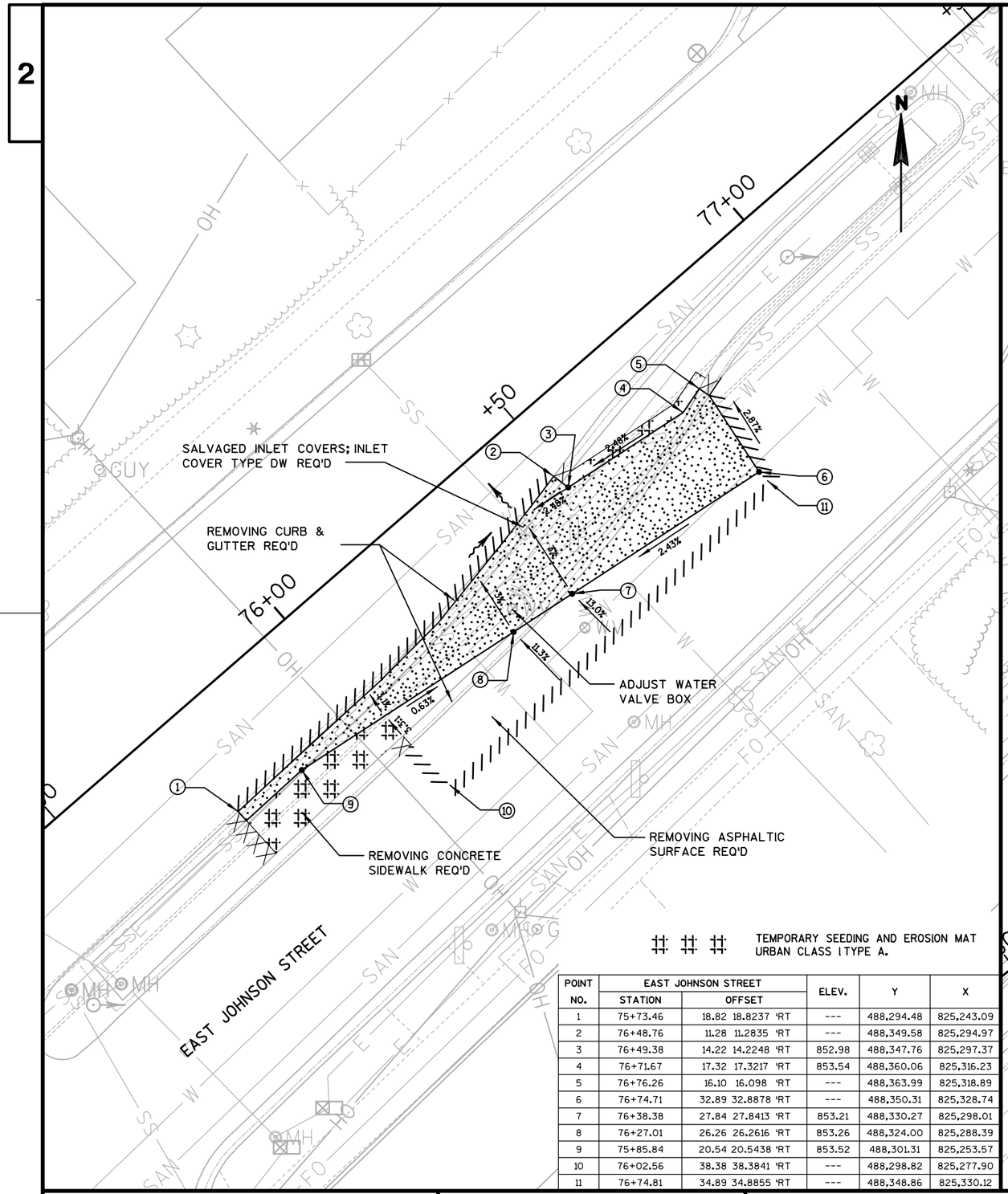
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026111_s1a.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



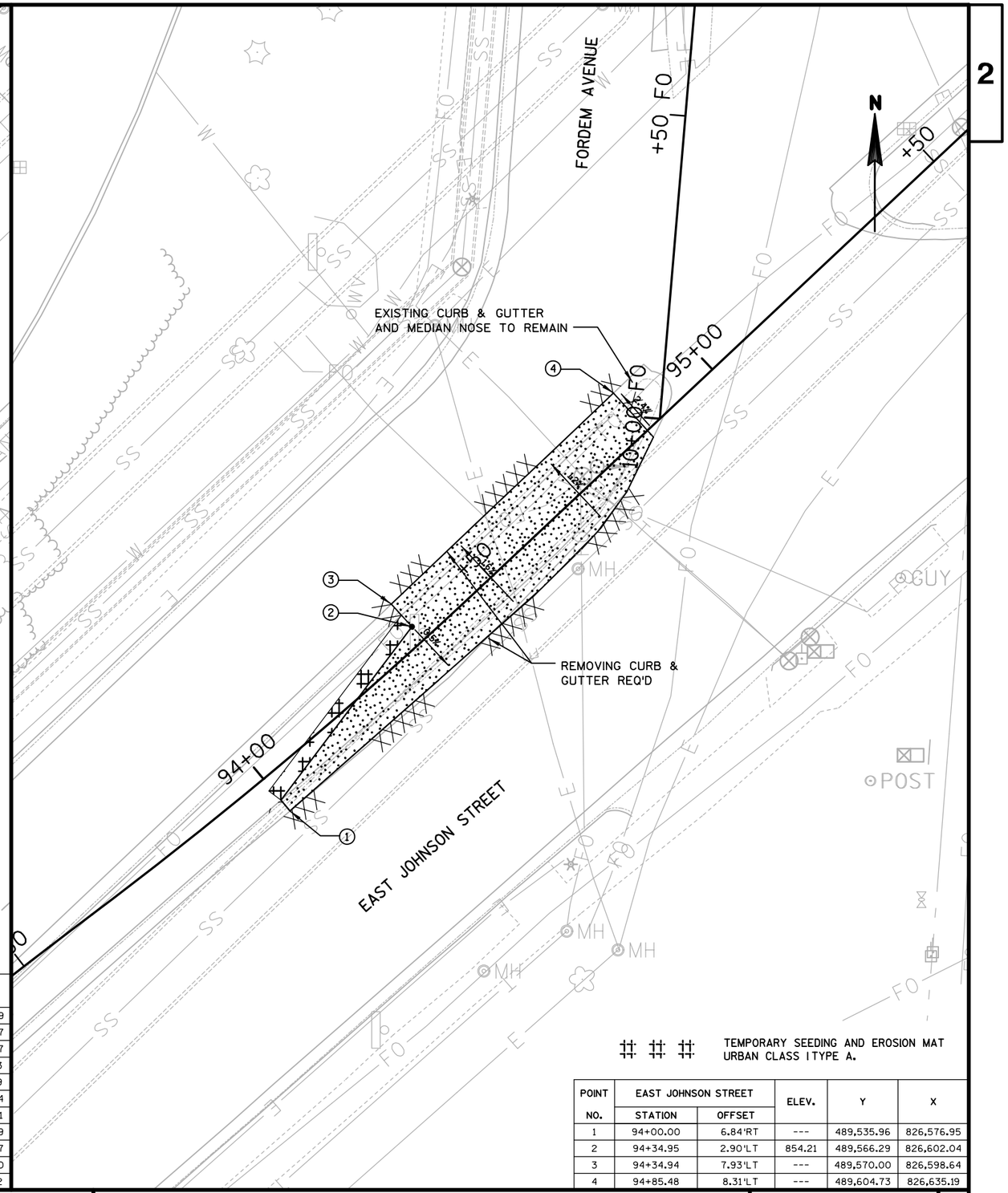
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026112_s1a.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

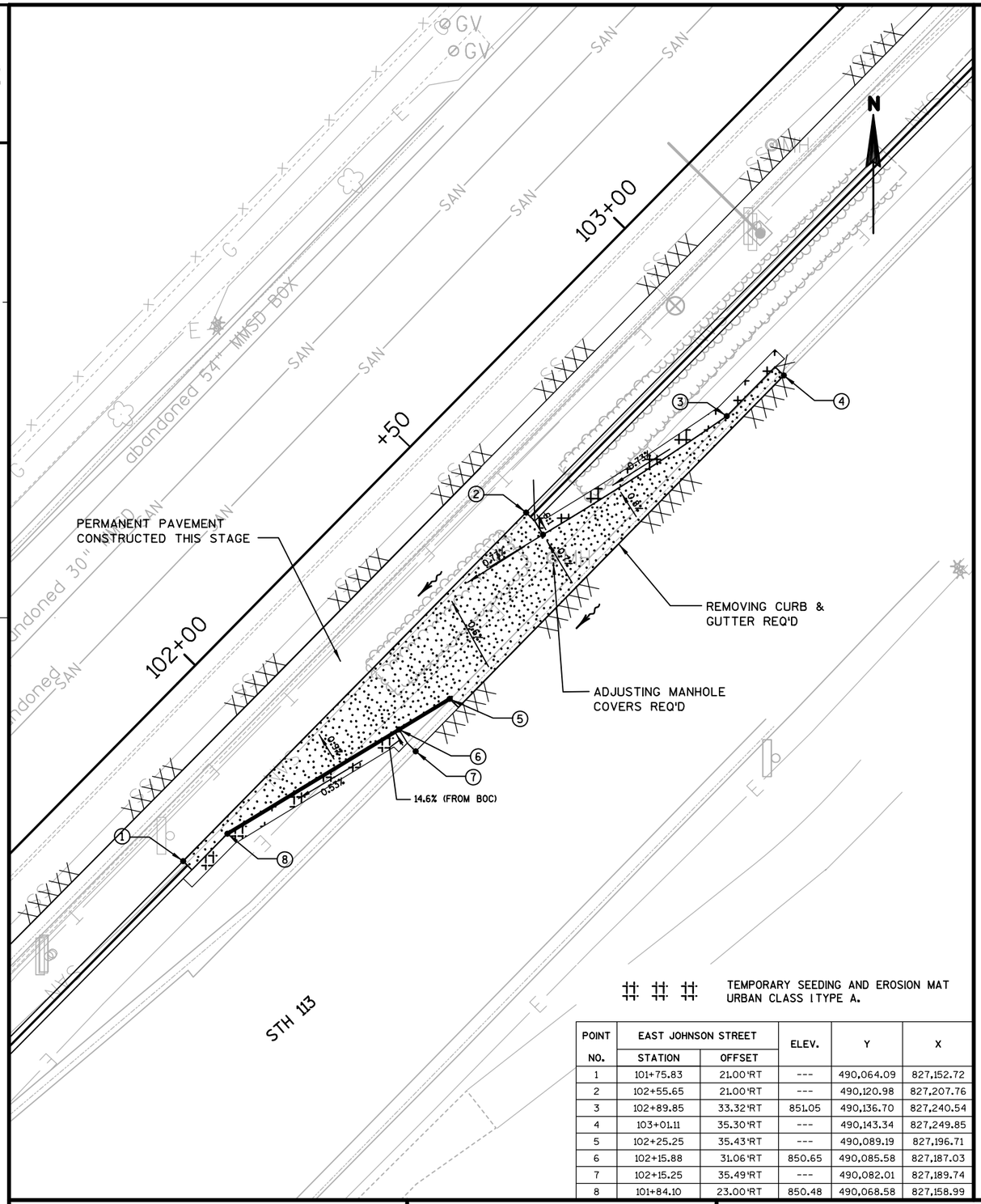
POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	75+73.46	18.82 18.8237 'RT	---	488,294.48	825,243.09
2	76+48.76	11.28 11.2835 'RT	---	488,349.58	825,294.97
3	76+49.38	14.22 14.2248 'RT	852.98	488,347.76	825,297.37
4	76+71.67	17.32 17.3217 'RT	853.54	488,360.06	825,316.23
5	76+76.26	16.10 16.098 'RT	---	488,363.99	825,318.89
6	76+74.71	32.89 32.8878 'RT	---	488,350.31	825,328.74
7	76+38.38	27.84 27.8413 'RT	853.21	488,330.27	825,298.01
8	76+27.01	26.26 26.2616 'RT	853.26	488,324.00	825,288.39
9	75+85.84	20.54 20.5438 'RT	853.52	488,301.31	825,253.57
10	76+02.56	38.38 38.3841 'RT	---	488,298.82	825,277.90
11	76+74.81	34.89 34.8855 'RT	---	488,348.86	825,330.12



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	94+00.00	6.84'RT	---	489,535.96	826,576.95
2	94+34.95	2.90'LT	854.21	489,566.29	826,602.04
3	94+34.94	7.93'LT	---	489,570.00	826,598.64
4	94+85.48	8.31'LT	---	489,604.73	826,635.19

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1B	SHEET 187 E



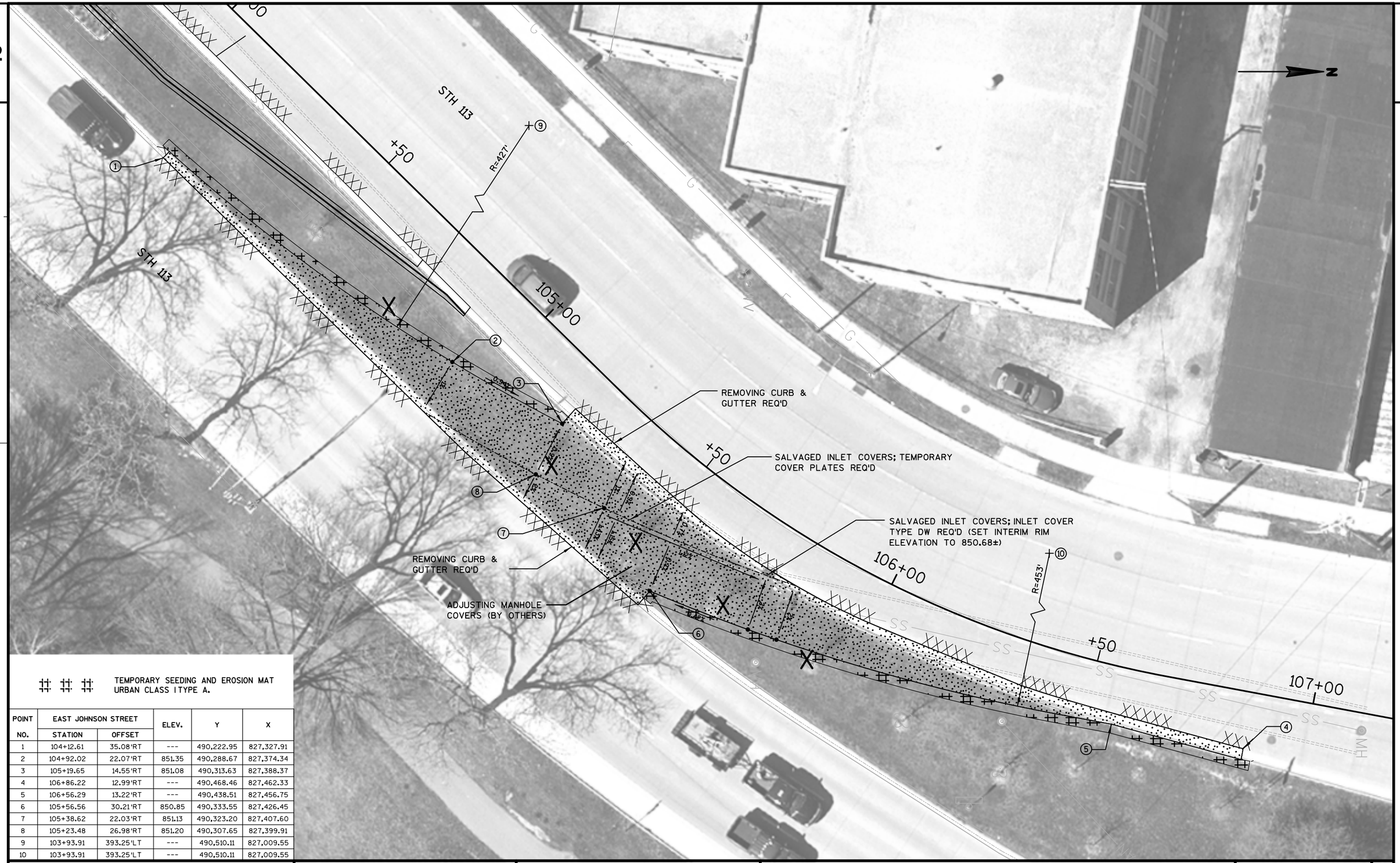
TEMPORARY SEEDING AND EROSION MAT
URBAN CLASS I TYPE A.

POINT NO.	EAST JOHNSON STREET		ELEV.	Y	X
	STATION	OFFSET			
1	101+75.83	21.00'RT	---	490,064.09	827,152.72
2	102+55.65	21.00'RT	---	490,120.98	827,207.76
3	102+89.85	33.32'RT	851.05	490,136.70	827,240.54
4	103+01.11	35.30'RT	---	490,143.34	827,249.85
5	102+25.25	35.43'RT	---	490,089.19	827,196.71
6	102+15.88	31.06'RT	850.65	490,085.58	827,187.03
7	102+15.25	35.49'RT	---	490,082.01	827,189.74
8	101+84.10	23.00'RT	850.48	490,068.58	827,158.99

2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026120_s1b_Temp Pavement Layout 2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

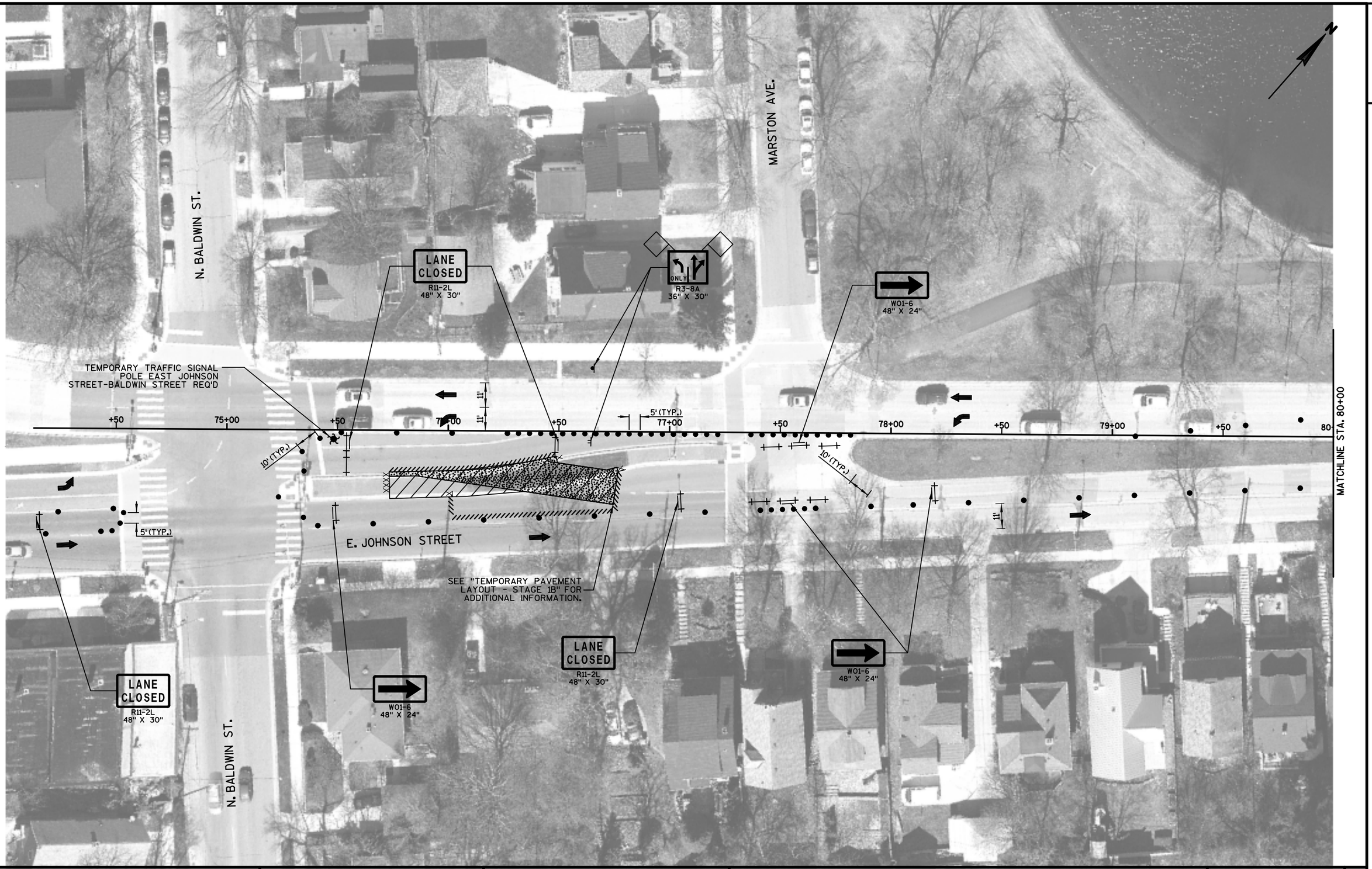
POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	104+12.61	35.08'RT	---	490,222.95	827,327.91
2	104+92.02	22.07'RT	851.35	490,288.67	827,374.34
3	105+19.65	14.55'RT	851.08	490,313.63	827,388.37
4	106+86.22	12.99'RT	---	490,468.46	827,462.33
5	106+56.29	13.22'RT	---	490,438.51	827,456.75
6	105+56.56	30.21'RT	850.85	490,333.55	827,426.45
7	105+38.62	22.03'RT	851.13	490,323.20	827,407.60
8	105+23.48	26.98'RT	851.20	490,307.65	827,399.91
9	103+93.91	393.25'LT	---	490,510.11	827,009.55
10	103+93.91	393.25'LT	---	490,510.11	827,009.55

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1B	SHEET 189	E



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026122_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026123_s1b.dgn PLOT DATE : 7/19/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

2

TENNEY PARK LAGOON

N

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

5' (TYP.)

11'

MATCHLINE STA. 80+00

80+00 +50 81+00 +50 82+00 +50 83+00 +50 84+00 +50 85+00 +50 86

MATCHLINE STA. 86+00

XXXXX

5' (TYP.)

11'

E. JOHNSON STREET

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

R3-2
24" X 24"

N. DICKINSON ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026124_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER

N

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

87+00

88+00

89+00

90+00

91+00

92

13'

13'

E. JOHNSON STREET

10+00 YP

+50 PL

+50 YP

11+00 PL

11+00 YP

+50 YP

12+00 YP

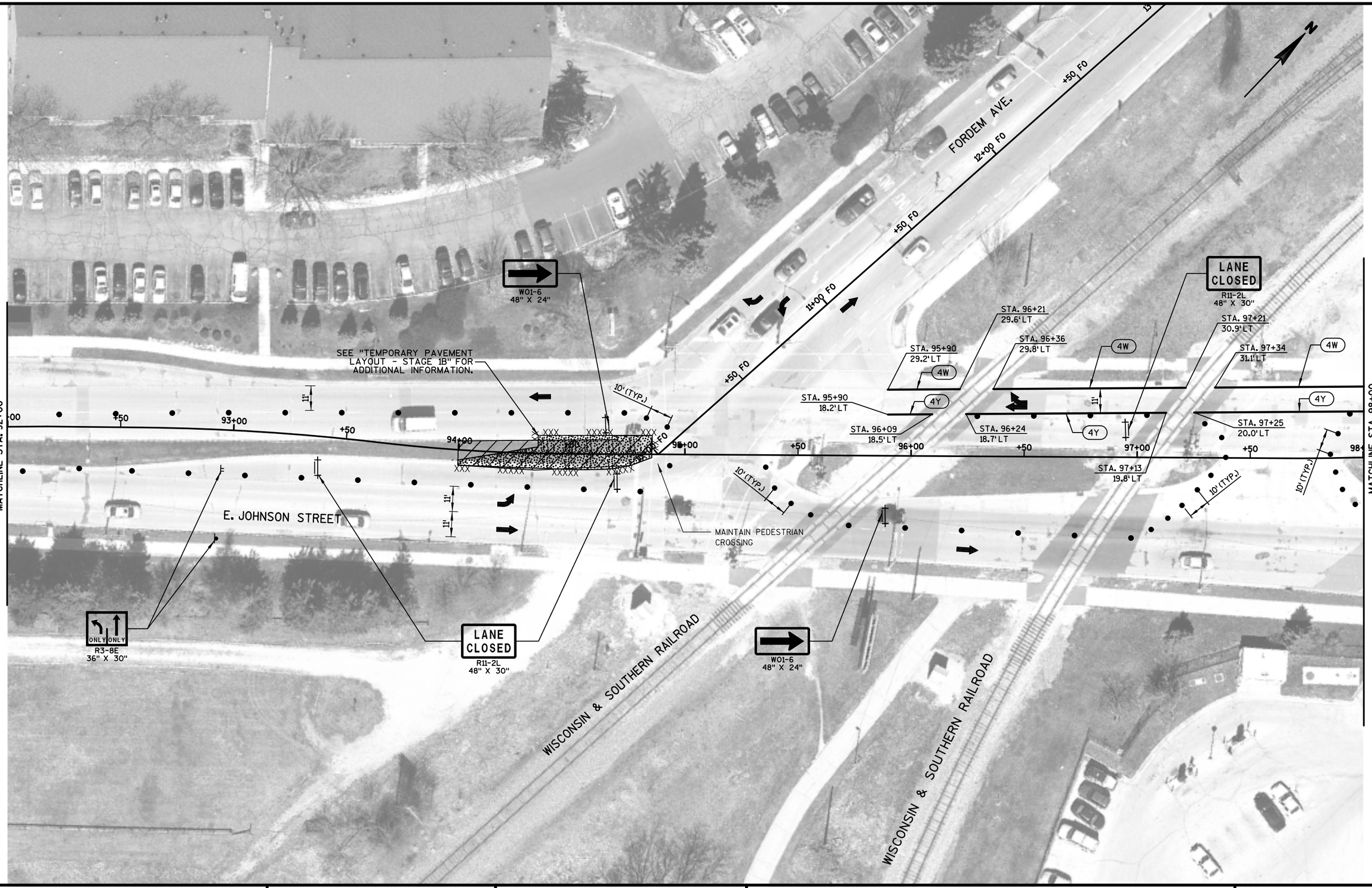
N. THORNTON AVENUE

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026125_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

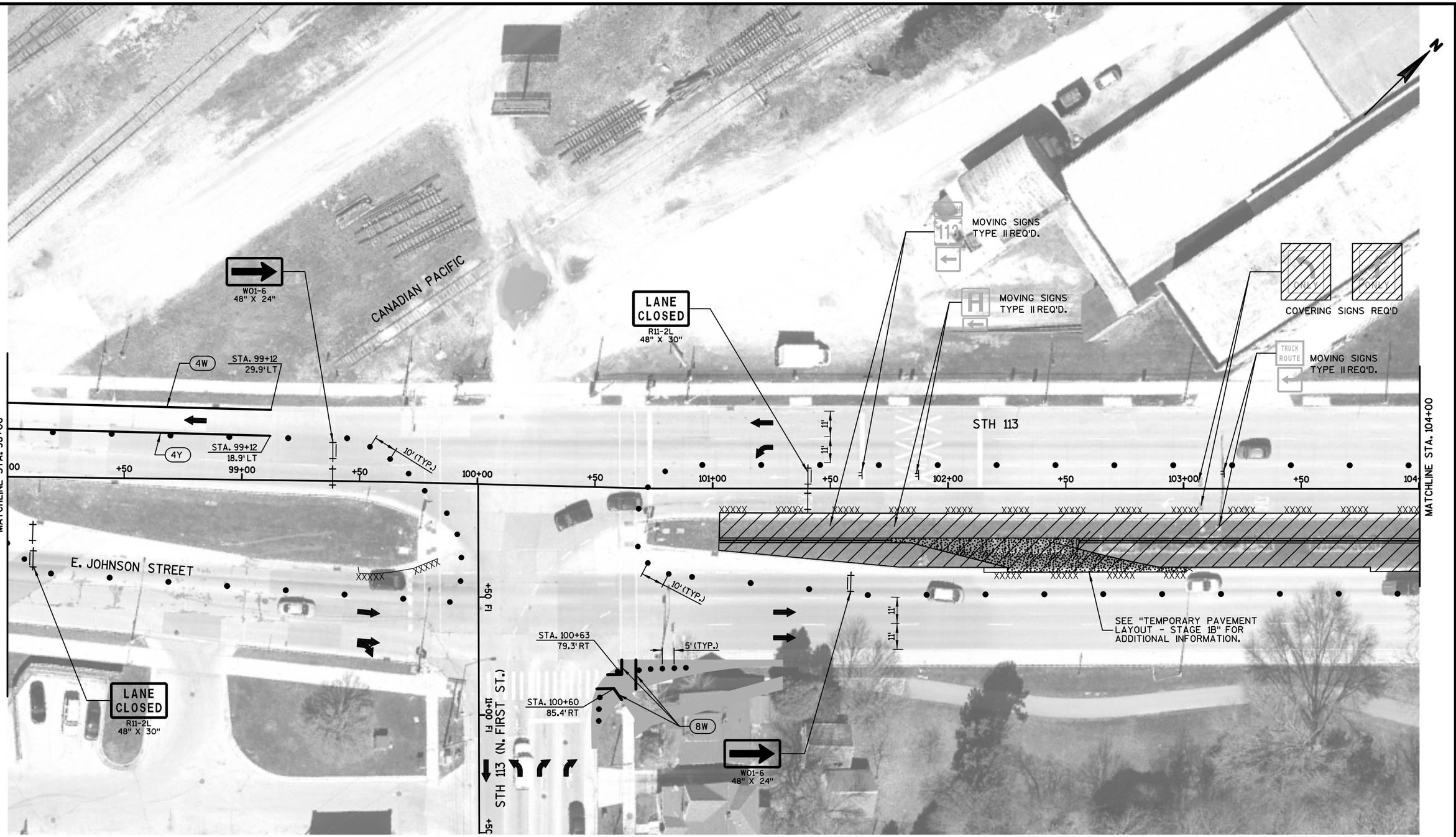
2



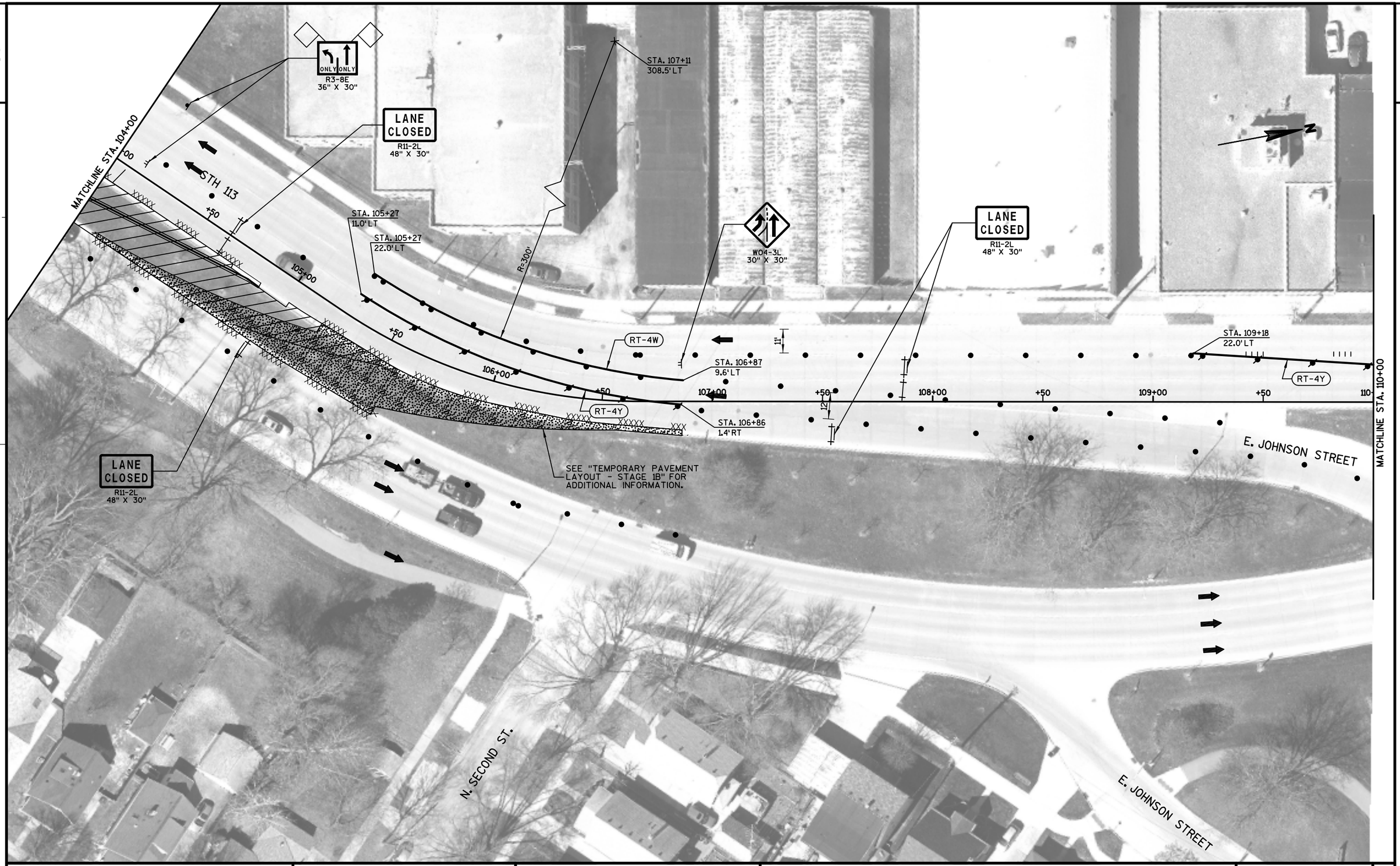
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026126_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET 195	E



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026128_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

UTILIZE TWO LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

N

W01-6
48" X 24"

STH 113

STA. 110+98
11.0' LT

RT-4Y

11'

11'

11'

11'

12'

10' (TYP.)

MATCHLINE STA. 110+00

MATCHLINE STA. 116+00

110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00 +50 115+00 +50 116

5' (TYP.)

STH 113

E. JOHNSON STREET

N. THIRD ST.

LANE CLOSED
R11-2L
48" X 30"

COVERING SIGNS REQ'D

MATCHLINE 1

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026129_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

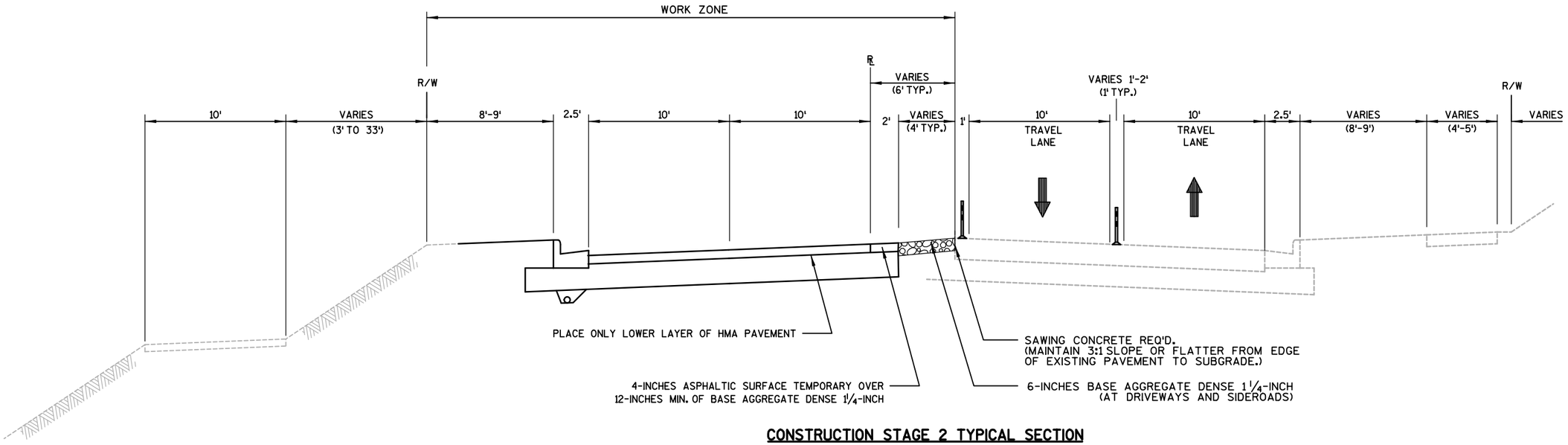
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026130_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



2

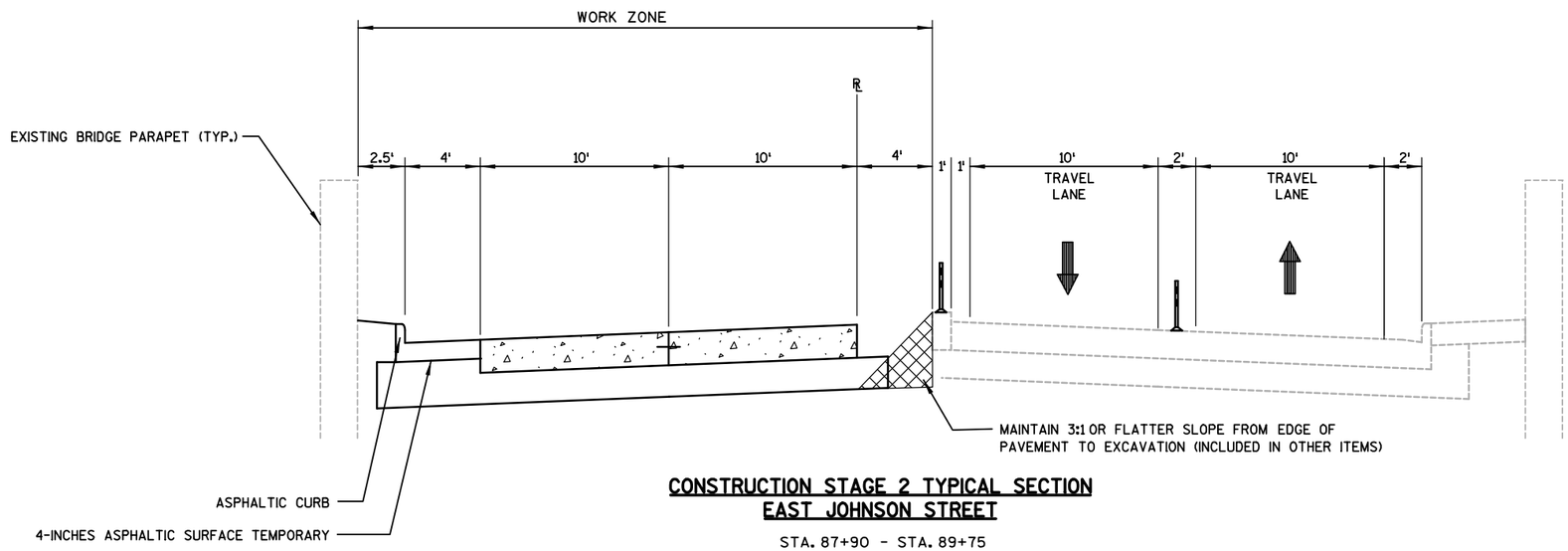
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026133_s1b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET

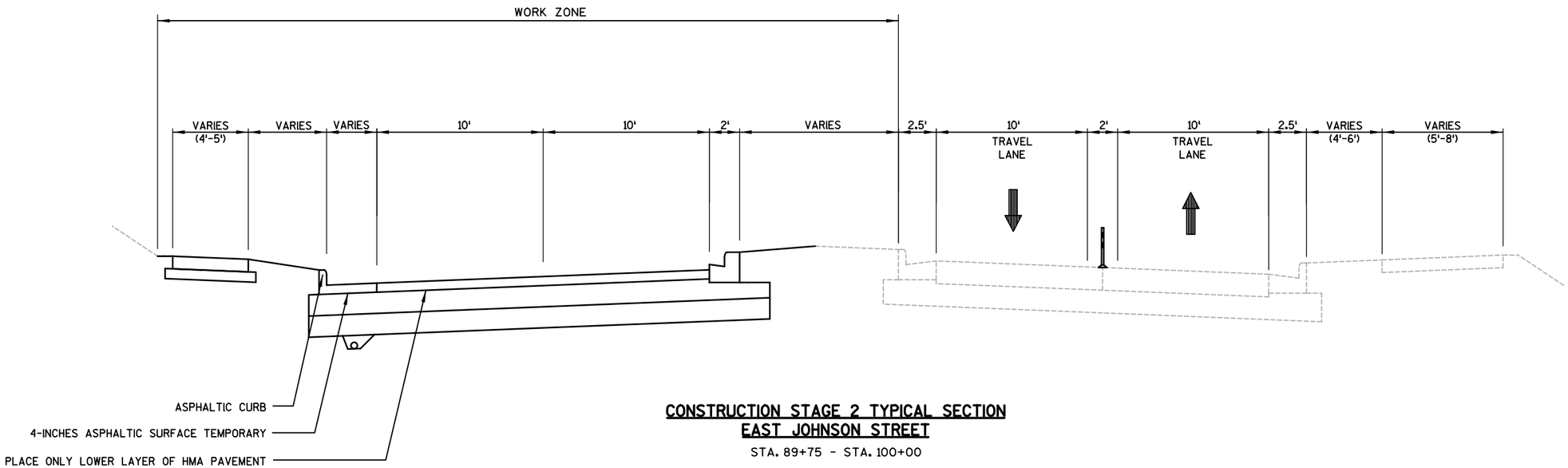
STA. 77+43 - STA. 87+90



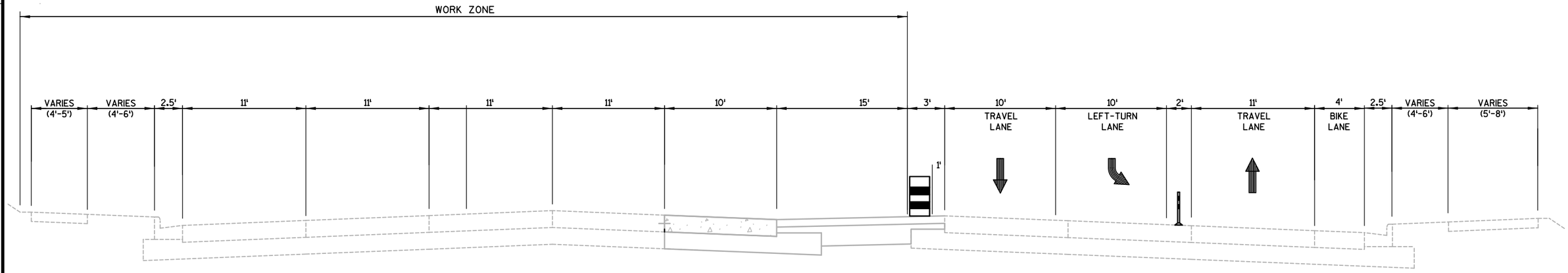
CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET 200	E

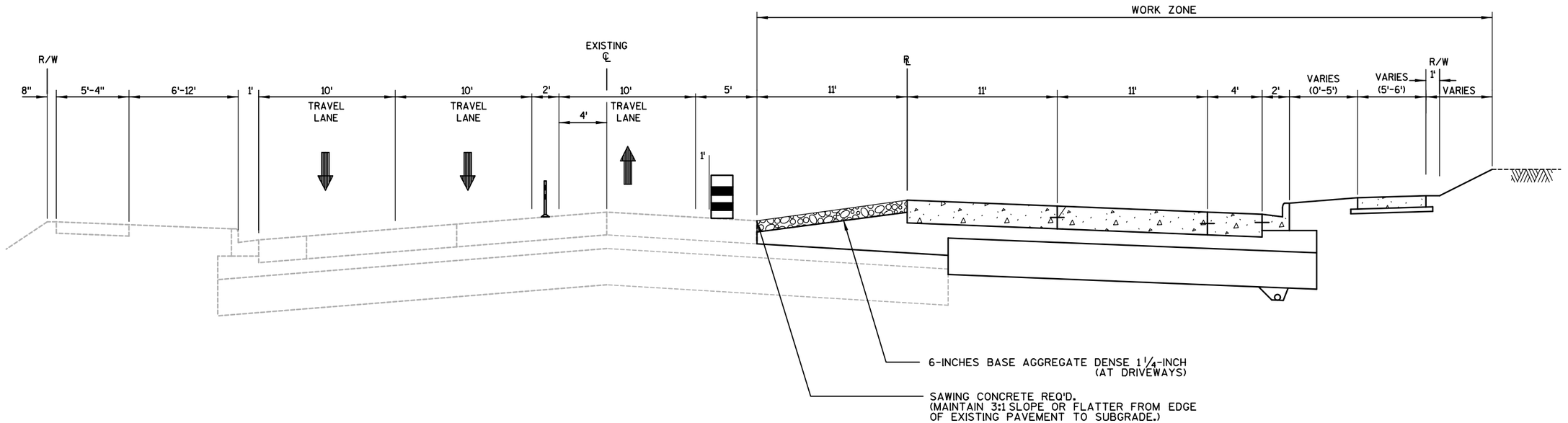


CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET 201	E

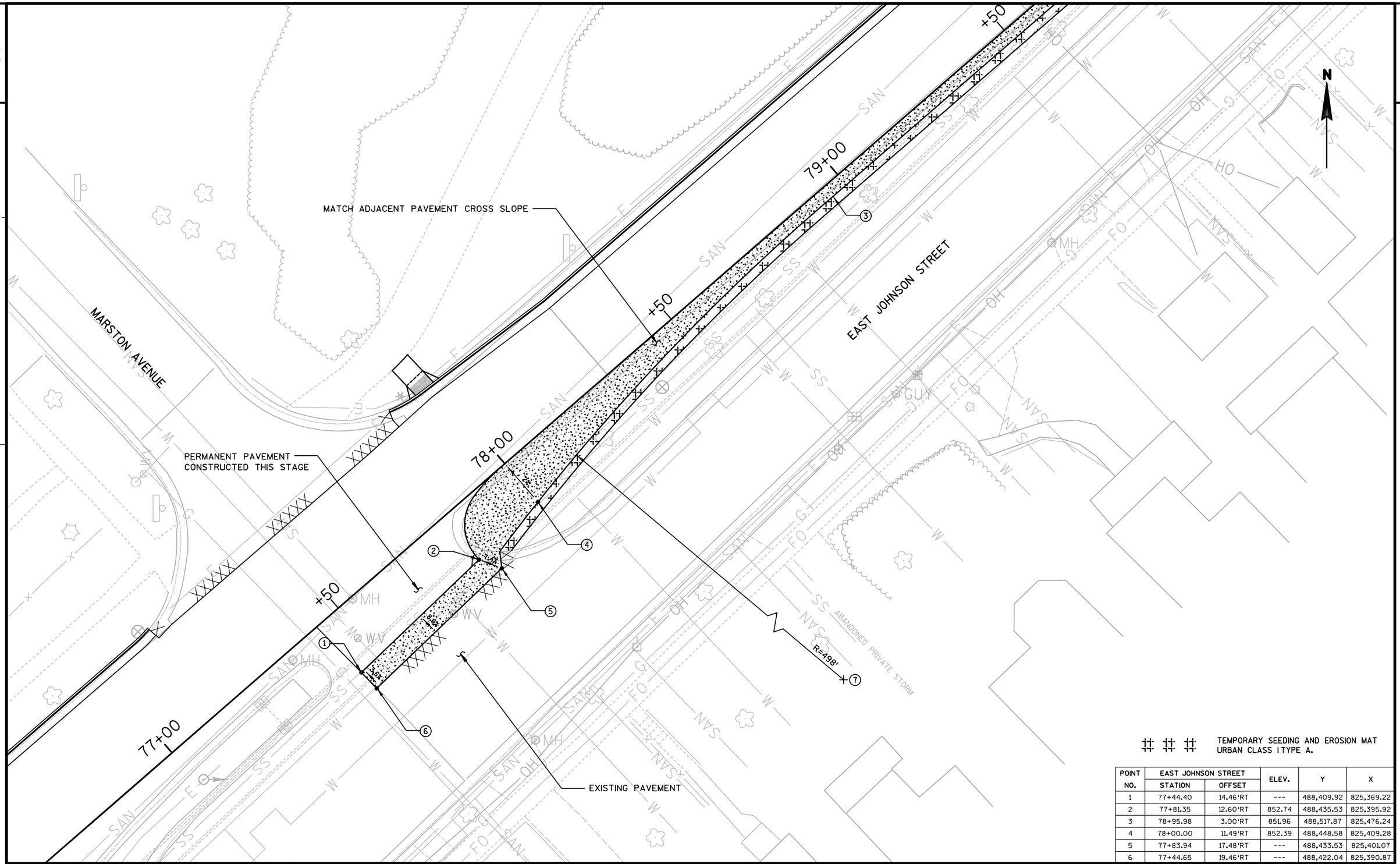


CONSTRUCTION STAGE 2 TYPICAL SECTION
STH 113 (FIRST STREET)

STA. 10+80 - STA. 16+07

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET 202	E

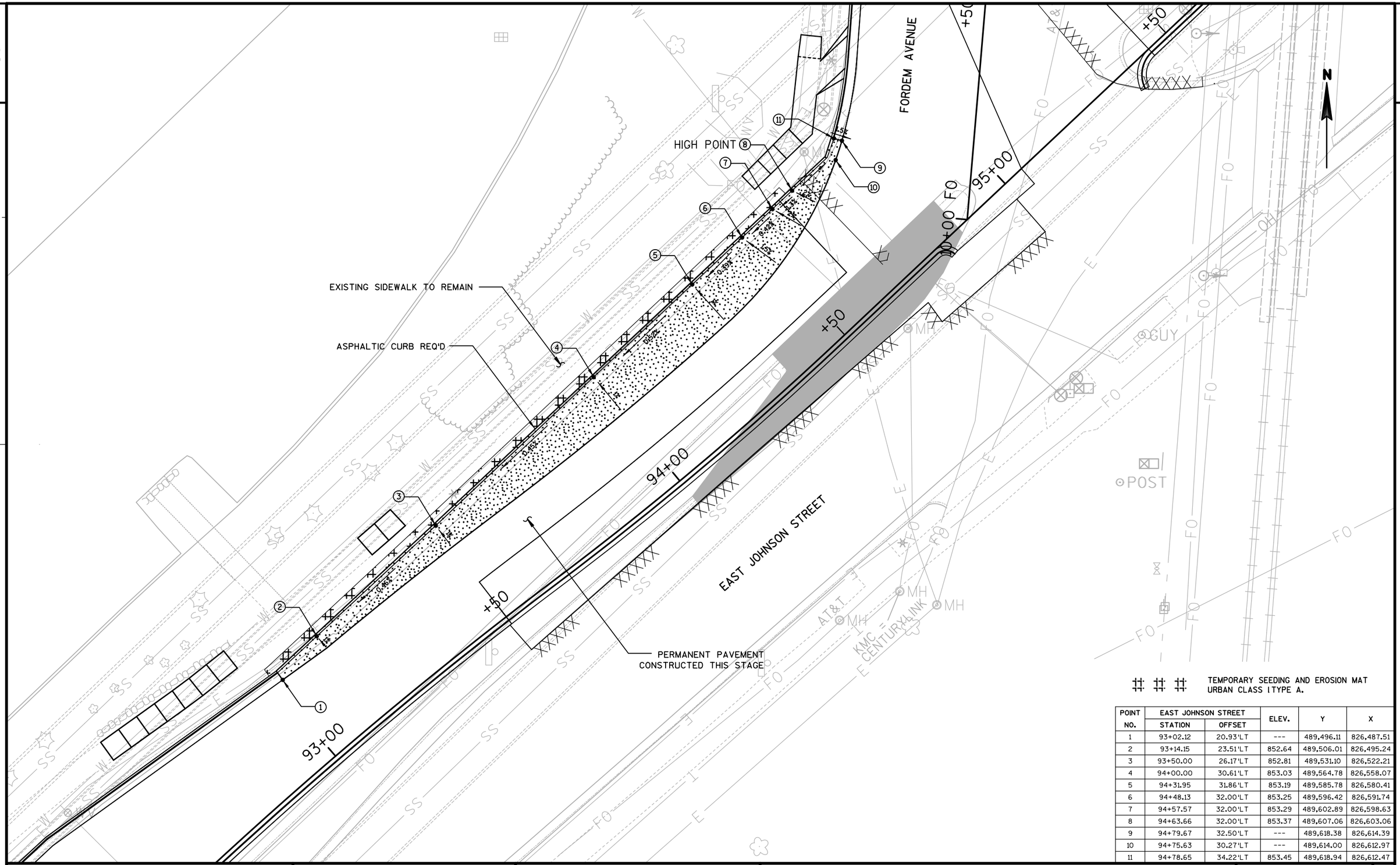
2



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	77+44.40	14.46'RT	---	488,409.92	825,369.22
2	77+81.35	12.60'RT	852.74	488,435.53	825,395.92
3	78+95.98	3.00'RT	851.96	488,517.87	825,476.24
4	78+00.00	11.49'RT	852.39	488,448.58	825,409.28
5	77+83.94	17.48'RT	---	488,433.53	825,401.07
6	77+44.65	19.46'RT	---	488,422.04	825,390.87

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 2	SHEET 203 E



POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	93+02.12	20.93'LT	---	489,496.11	826,487.51
2	93+14.15	23.51'LT	852.64	489,506.01	826,495.24
3	93+50.00	26.17'LT	852.81	489,531.10	826,522.21
4	94+00.00	30.61'LT	853.03	489,564.78	826,558.07
5	94+31.95	31.86'LT	853.19	489,585.78	826,580.41
6	94+48.13	32.00'LT	853.25	489,596.42	826,591.74
7	94+57.57	32.00'LT	853.29	489,602.89	826,598.63
8	94+63.66	32.00'LT	853.37	489,607.06	826,603.06
9	94+79.67	32.50'LT	---	489,618.38	826,614.39
10	94+75.63	30.27'LT	---	489,614.00	826,612.97
11	94+78.65	34.22'LT	853.45	489,618.94	826,612.47

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 2	SHEET 204	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026201_s2_Temp Pavement Layout 2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

EXISTING CURB RAMP TO REMAIN

ASPHALTIC CURB REQ'D

PERMANENT PAVEMENT CONSTRUCTED THIS STAGE

PERMANENT PAVEMENT CONSTRUCTED THIS STAGE

EXISTING PAVEMENT

TEMPORARY GAP BETWEEN PERMANENT AND EXISTING PAVEMENT

ADJUSTING INLET COVERS; INLET COVER TYPE 'DW' REQ'D (REPLACE WITH DW COVER)

EXISTING PAVEMENT

PERMANENT PAVEMENT CONSTRUCTED THIS STAGE

EAST JOHNSON STREET

FIRST STREET (STH 113)

99+00

100+00

101+00

11+00

+50

+50 FT

+50 FT

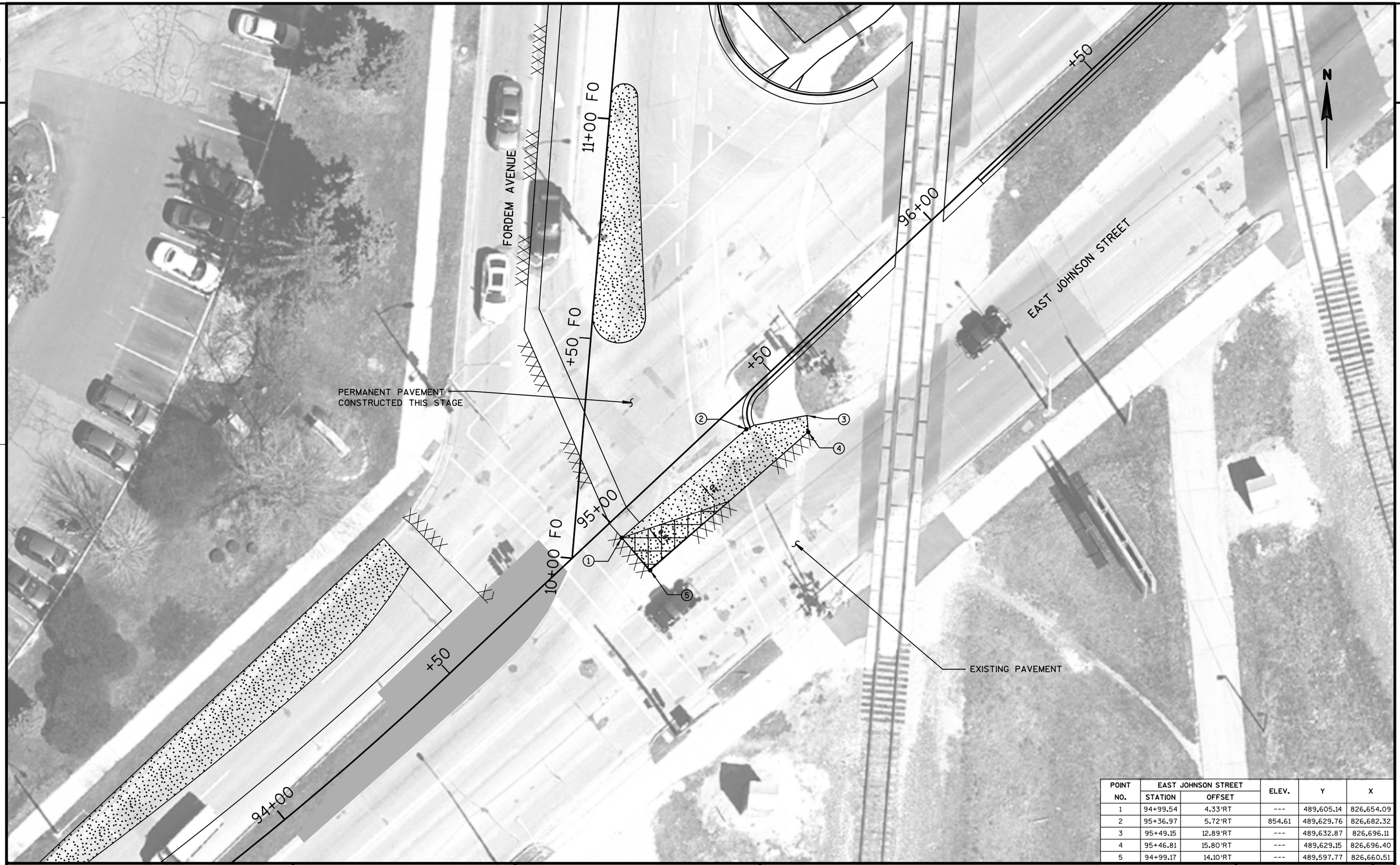
+50 FT

N

TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	99+44.28	6.45'RT	---	489,911.37	826,976.77
2	99+68.10	12.70'RT	---	489,923.52	826,998.06
3	99+67.77	19.80'RT	---	489,918.18	827,002.75
4	99+87.07	20.07'RT	---	489,931.41	827,016.81
5	99+84.01	32.10'RT	---	489,920.64	827,022.97
6	99+50.37	39.11'RT	---	489,892.45	827,004.09
7	100+46.20	21.52'LT	---	490,002.42	827,030.41
8	100+45.86	34.77'LT	---	790,011.70	827,020.95
9	100+73.94	35.58'LT	---	490,032.09	827,041.67
10	100+74.32	21.99'LT	---	490,022.31	827,050.29
11	100+18.84	20.46'RT	---	489,953.22	827,039.92
12	100+98.13	21.00'RT	---	490,008.72	827,097.26
13	100+90.71	24.87'RT	---	490,000.72	827,094.81
14	100+90.47	27.39'RT	---	489,998.78	827,096.43
15	100+22.51	27.23'RT	---	489,950.90	827,047.27
16	99+58.01	73.64'RT	---	489,873.29	827,033.81
17	99+80.66	75.73'RT	---	489,886.95	827,050.90
18	99+88.92	82.61'RT	---	489,887.74	827,061.62
19	99+89.05	90.55'RT	---	489,882.13	827,067.23
20	99+80.58	99.62'RT	---	489,869.72	827,067.46
21	99+65.29	101.07'RT	---	489,858.05	827,057.48
22	99+47.63	87.39'RT	---	489,856.22	827,036.12
23	99+48.40	79.76'RT	---	489,862.18	827,031.29

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 2	SHEET 205 E



POINT NO.	EAST JOHNSON STREET		ELEV.	Y	X
	STATION	OFFSET			
1	94+99.54	4.33'RT	---	489,605.14	826,654.09
2	95+36.97	5.72'RT	854.61	489,629.76	826,682.32
3	95+49.15	12.89'RT	---	489,632.87	826,696.11
4	95+46.81	15.80'RT	---	489,629.15	826,696.40
5	94+99.17	14.10'RT	---	489,597.77	826,660.51

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 2	SHEET 206 E

2

N. FEW ST.

N. GORHAM ST.

N

MATCHLINE B

MATCHLINE A

E. JOHNSON STREET

150'

125'

50'

65'

30'

WO1-4R

RT-4W

RT-8W

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

LANE CLOSED
R11-2L
48" X 30"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

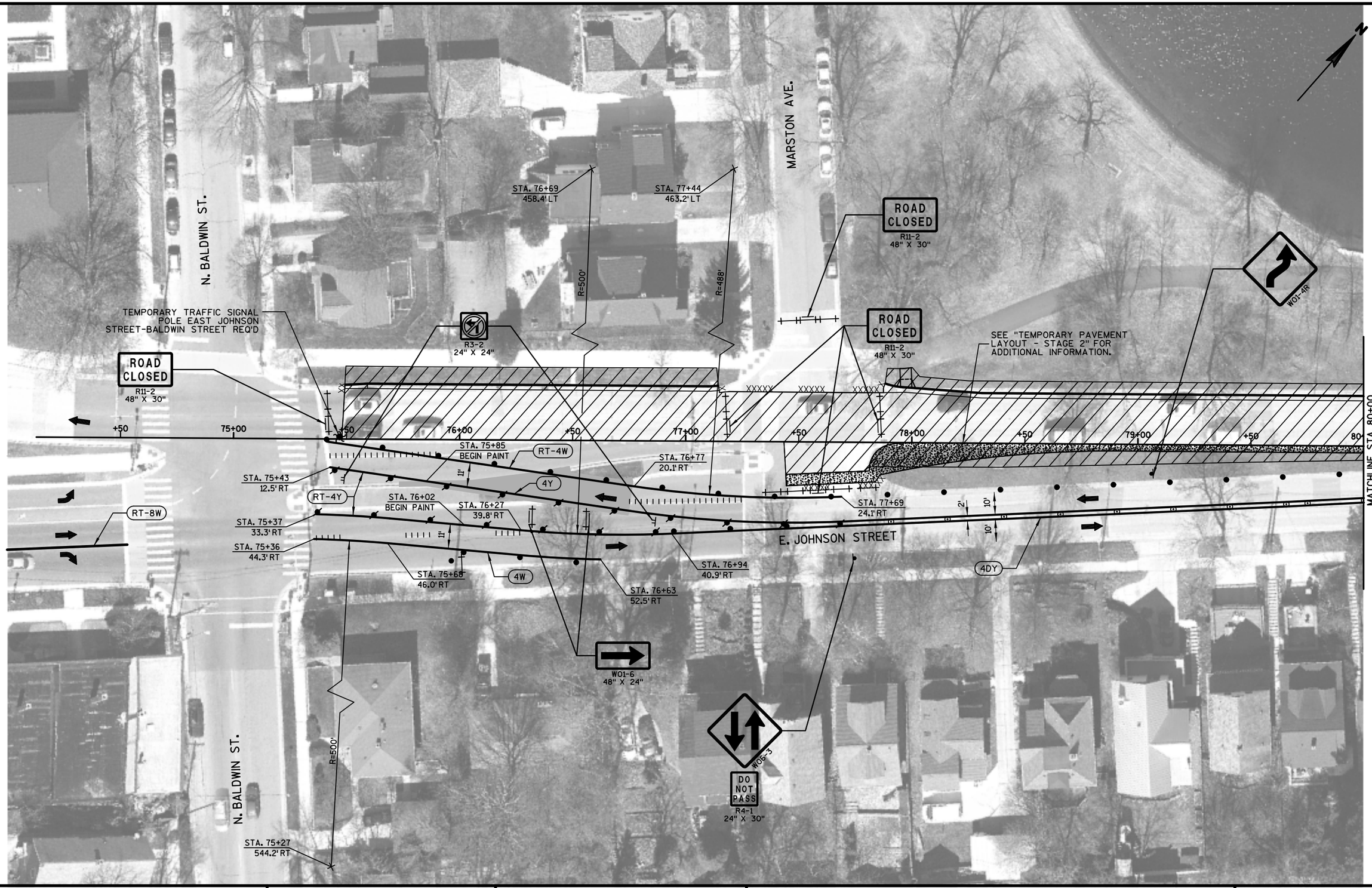
ONLY
R3-5OR
30" X 36"

EXCEPT BUSES
R3-5G(MOD)
30" X 12"

N. FEW ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026202_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026203_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

*SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION. SIGN TO BE MOUNTED ON TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST.

TENNEY PARK LAGOON

W06-3
DO NOT PASS
R4-1
24" X 30"

* W6-4
12" X 18"

R3-2
24" X 24"

MATCHLINE STA. 80+00

00 +50 81+00 +50 82+00 +50 83+00 +50 84+00 +50 85+00 +50 86

STA. 80+01
22.9' RT

STA. 81+01
18.6' RT

10' (TYP.)

1'
10'
10'

E. JOHNSON STREET

4DY

MATCHLINE

* W6-4
12" X 18"

R3-2
24" X 24"

R3-2
24" X 24"

N. DICKINSON ST.

ROAD CLOSED
R11-2
48" X 30"

W06-3
DO NOT PASS
R4-1
24" X 30"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026204_s2.dgn PLOT DATE : 7/19/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER

N

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

STA. 86+55
17.0' RT

STA. 86+32
18.0' RT

E. JOHNSON STREET

2'

10'

10'

4DY

10+50 YP

+50 TL

+50 YP

11+00 PL

11+00 YP

+50 YP

12+00 YP

N. THORNTON AVENUE

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026205_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

*SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION. SIGN TO BE MOUNTED ON TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST.

**REMOVE EXISTING RAILROAD STOP BAR MARKING, PEDESTRIAN CROSSWALK MARKINGS, INTERSECTION MEDIAN MARKINGS, BIKE SYMBOLS, AND BIKE CROSSING MARKINGS.

2

2

MATCHLINE STAGE 2 STA. 92+00

MATCHLINE STAGE 2 STA. 12+00 FO

MATCHLINE STAGE 2 STA. 98+00

E. JOHNSON STREET

FORDEM AVE.

W6-4
12" X 18"

W06-3

DO NOT PASS
R4-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

R3-8E
36" X 30"

MARKING RAILROAD CROSSING PAINT

**REMOVE EXISTING MARKINGS

MAINTAIN AREA FOR BUS PULL-OUT AND MAINTAIN PEDESTRIAN ACCESS TO TEMPORARY BUS STOP.

MOVING SIGN REQ'D.

RAILROAD FLAGGING REQ'D

STOP HERE ON RED
R10-6
24" X 36"

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

STA. 92+24 31.8' RT
STA. 93+39 22.3' RT
STA. 93+39 32.3' RT
STA. 94+01 7.0' RT
STA. 94+44 2.1' LT
STA. 94+68 2.2' LT
STA. 94+78 13.4' LT
STA. 94+78 35.3' LT
STA. 94+83 33.3' LT
STA. 94+78 18.4' RT
STA. 94+85 41.2' RT
STA. 94+90 40.5' RT
STA. 94+92 38.6' LT
STA. 94+83 4.6' LT
STA. 95+52 17.1' LT
STA. 95+55 30.7' RT
STA. 95+90 34.4' RT
STA. 96+00 33.8' RT
STA. 97+10 36.8' RT
STA. 97+16 26.9' RT
STA. 10+59 FO 17.1' LT
STA. 10+46 FO 28.3' LT
STA. 10+77 FO 2.6' RT
STA. 11+55 FO 0.2' RT
STA. 11+39 FO BEGIN TAPE

RT-4DY
RT-4W
4DY
4W
8W
4Y
SL-18

5' SEG.
5' GAP

R=40'

10' (TYP.)

5' (TYP.)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 211	E

2

PAVEMENT MARKING POINT TABLE

POINT	STATION	OFFSET
100	99+43	39.5'RT
101	100+00	38.3'RT
102	100+92	35.6'RT
103	101+21	46.0'RT
104	103+21	46.0'RT
105	101+02	33.3'LT
106	101+02	0.0'RT
107	100+67	0.2'RT
108	100+68	26.3'RT
109	98+50	43.7'RT
110	99+21	50.6'RT

POINT	STATION	OFFSET
111	99+73	58.8'RT
112	100+00	64.6'RT
113	100+31	102.6'RT
114	99+13	59.1'RT
115	99+66	61.2'RT
116	99+73	61.0'RT
117	99+39	60.9'RT
118	99+47	53.9'RT
119	100+22	78.2'RT
120	100+40	69.1'RT
121	100+29	97.8'RT

POINT	STATION	OFFSET
122	100+68	56.7'RT
123	100+52	114.5'RT
124	100+42	114.7'RT
125	100+32	115.0'RT
126	99+12	69.1'RT
130	103+73	46.0'RT
128	11+18 FI	1.2'LT
129	103+94	35.5'RT

CANADIAN PACIFIC

LANE CLOSED R11-2L 48" X 30"

W06-3 DO NOT PASS R4-1 24" X 30"

R R NO TRAIN HORN — MOVING SIGNS TYPE II REQ'D.

NORTH 113 — MOVING SIGNS TYPE II REQ'D.

LANE CLOSED R11-2L 48" X 30"

SOUTH 113 — MOVING SIGNS TYPE II REQ'D.

H — MOVING SIGNS TYPE II REQ'D.

TRUCK ROUTE — MOVING SIGNS TYPE II REQ'D.

LANE CLOSED R11-2L 48" X 30"

MATCHLINE STA. 98+00

99+00 +50 100+00 +50 101+00 +50 102+00 +50 103+00 +50 104+00

MATCHLINE STA. 104+00

STH 113

105 RT-8W

107

STA. 100+87 BEGIN TAPE

106

MARKING RAILROAD CROSSING PAINT 4W

E. JOHNSON STREET

100 110 118 109 10' 4DY 114 R=500' 117 115 126 4W

101 111 112 116 SL-18

4Y 5' SEG. 5' GAP

119 R=40' 120 R=40'

121 113 125 124 123 SL-18 RT-8W RT-4DY

STH 113 (N. FIRST ST.)

+50 FI 11+00 FI +50 FI

MATCHLINE STA. 11+50 FI

108 102 RT-SL-18 122 RT-4Y

103 10' 2' 10' 10'

RT-4W RT-8W 104 RT-4DY

127 129 RT-4W 3' SEG., 9' GAP

R4-7 24" X 30"

N First St — MOVING SIGNS TYPE II REQ'D.

Fordem Av — MOVING SIGNS TYPE II REQ'D.

LANE CLOSED R11-2L 48" X 30" 4W

128

W01-7 48" X 24"

ROAD CLOSED R11-2 48" X 30"

* W6-4 12" X 18"

W06-3 DO NOT PASS R4-1 24" X 30"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026207_s2.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

MATCHLINE STA. 104+00

STA. 103+98
394.6' LT

R=429'

STH 113

+50

105+00

+50

STA. 104+24
56.5' RT

STA. 104+60
58.5' RT

106+00

11'

11'

+50

STA. 106+43
9.9' LT

RT-4W

STA. 106+66
11.0' LT

RT-4W 3' SEG., 9' GAP

107+00

+50

108+00

STA. 108+03
0.0' RT

+50

109+00

11'

+50

110

STA. 107+90
11.0' RT

12'

E. JOHNSON STREET

MATCHLINE STA. 110+00

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

W04-3L
30" X 30"

ONLY ONLY
R3-8E
36" X 30"

STA. 106+38
47.1' RT

RT-4Y

LEFT LANE
MUST
TURN LEFT
R3-7L
30" X 30"

RT-4Y

W01-2R

LANE CLOSED
R11-2L
48" X 30"

N. SECOND ST.

E. JOHNSON STREET

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026208_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

UTILIZE TWO LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

N

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA. 112+30
22.0' LT

STA. 110+50
11.0' LT

STH 113

RT-4W

12.5' (TYP.)

MATCHLINE STA. 110+00

+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00 +50 115+00 +50 116

MATCHLINE STA. 116+00

LANE CLOSED
R11-2L
48" X 30"

5' (TYP.)

STH 113

W04-2R

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

N. THIRD ST.

MATCHLINE 1

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 214	E

2

N

LANE CLOSED
R11-2L
48" X 30"

UTILIZE TWO LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

STA. 119+90
22.0' LT

STA. 121+01
33.0' LT

RT-4W

STH 113

00 +50 117+00 +50 118+00 +50 119+00 +50 120+00 +50 121+00

MATCHLINE STA. 116+00

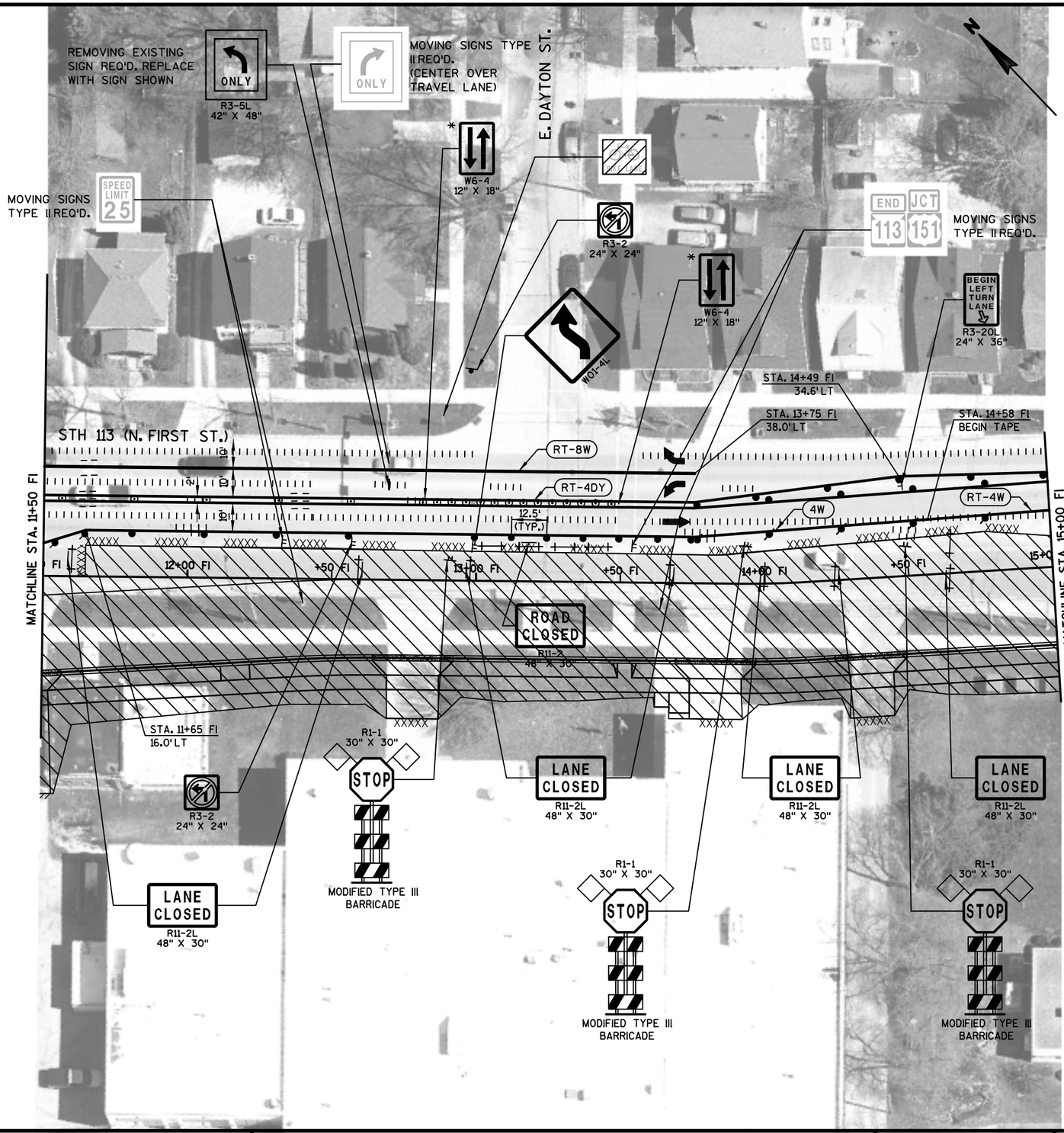
STH 113

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026210_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

*SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION. SIGN TO BE MOUNTED ON TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST.

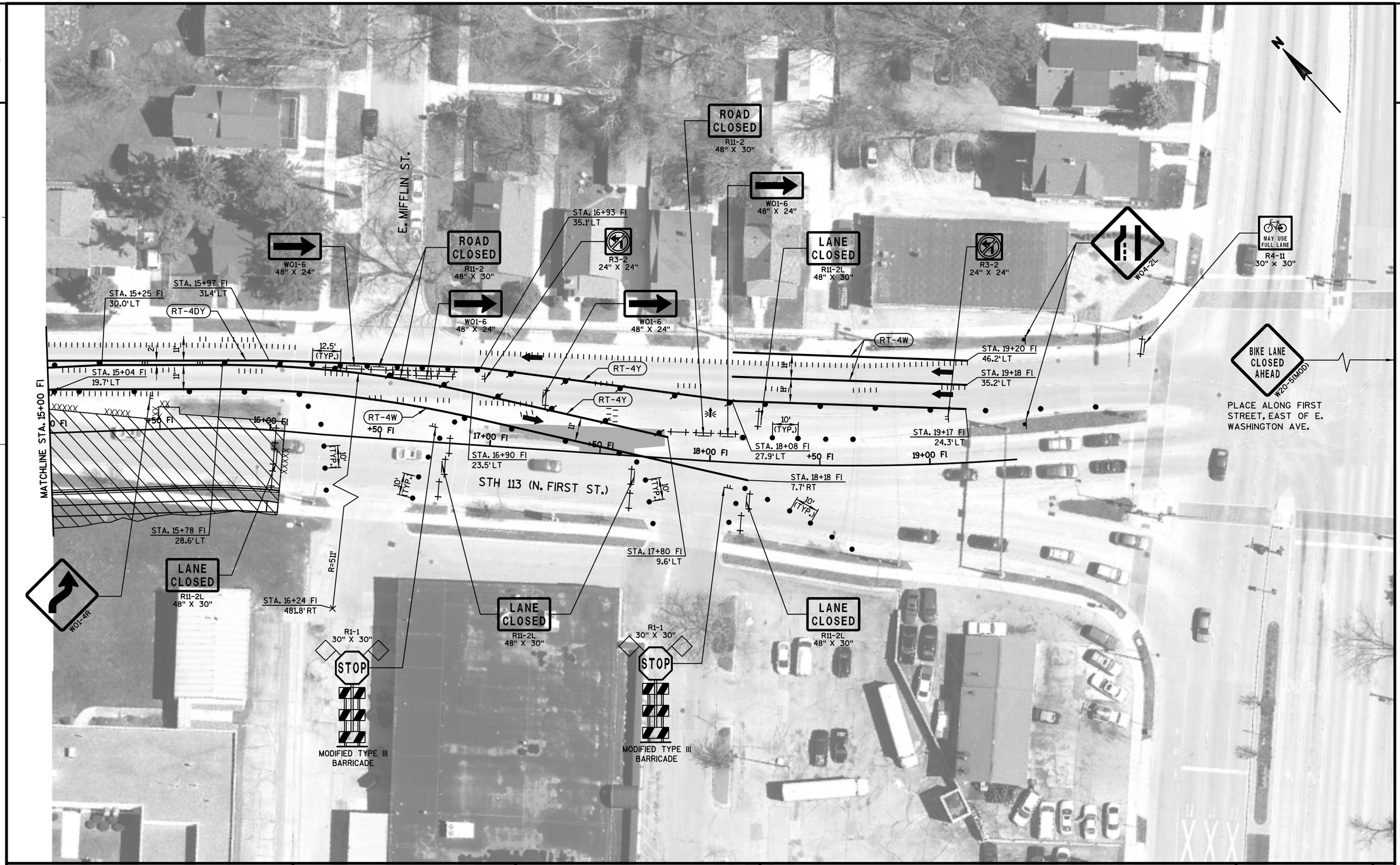


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026211_s2.dgn PLOT DATE : 7/19/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026212_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

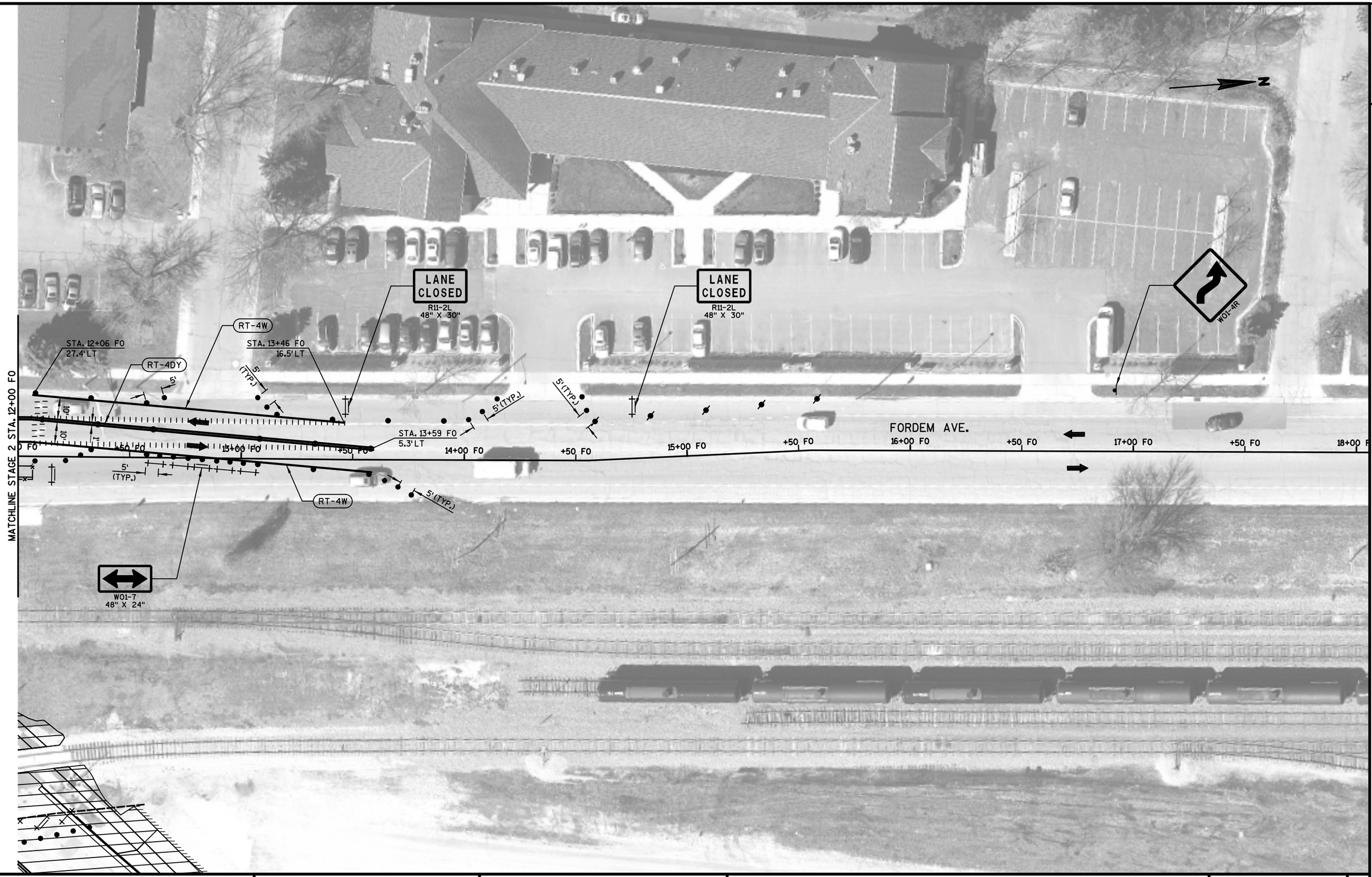


2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026213_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

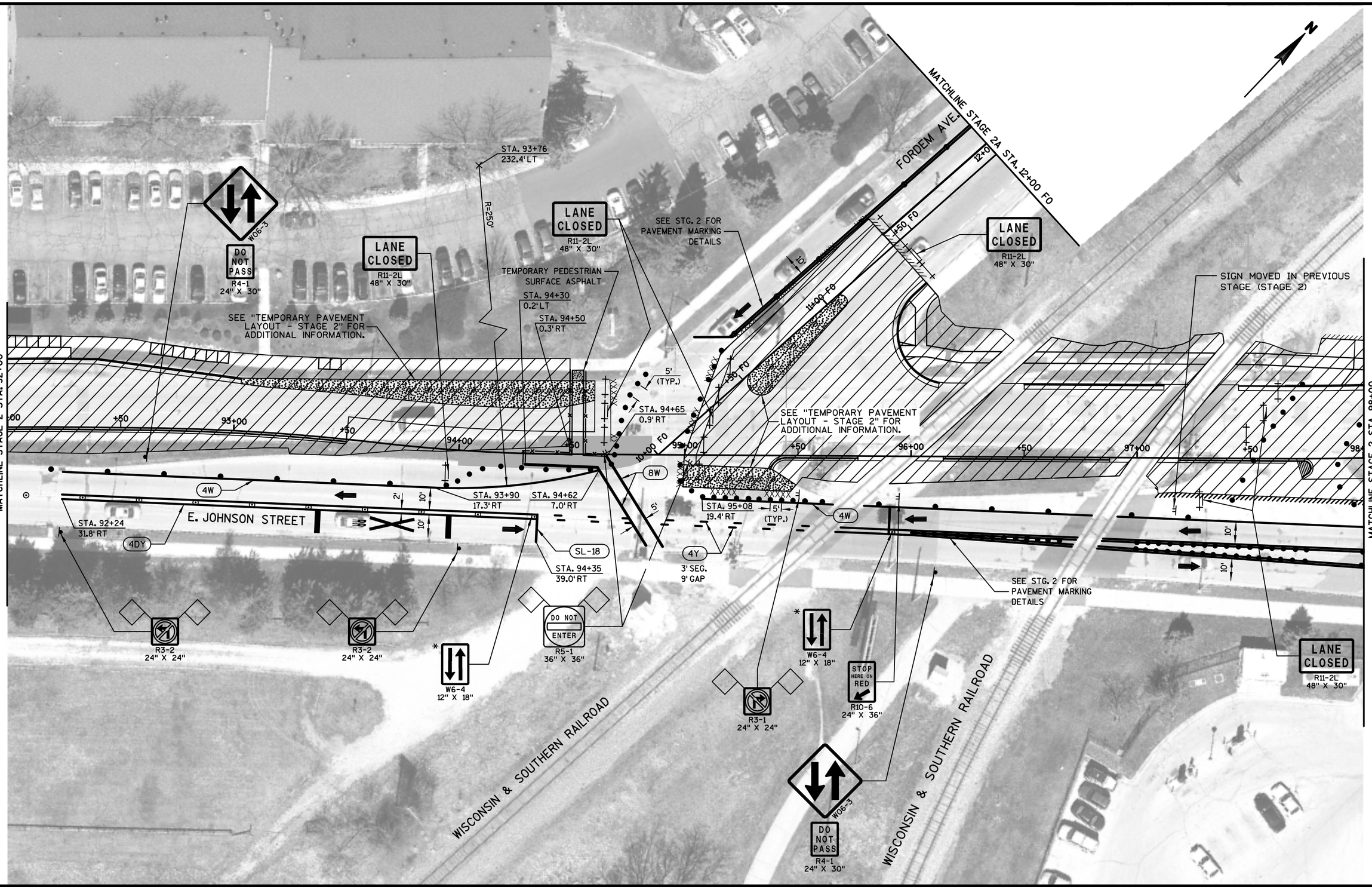
2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

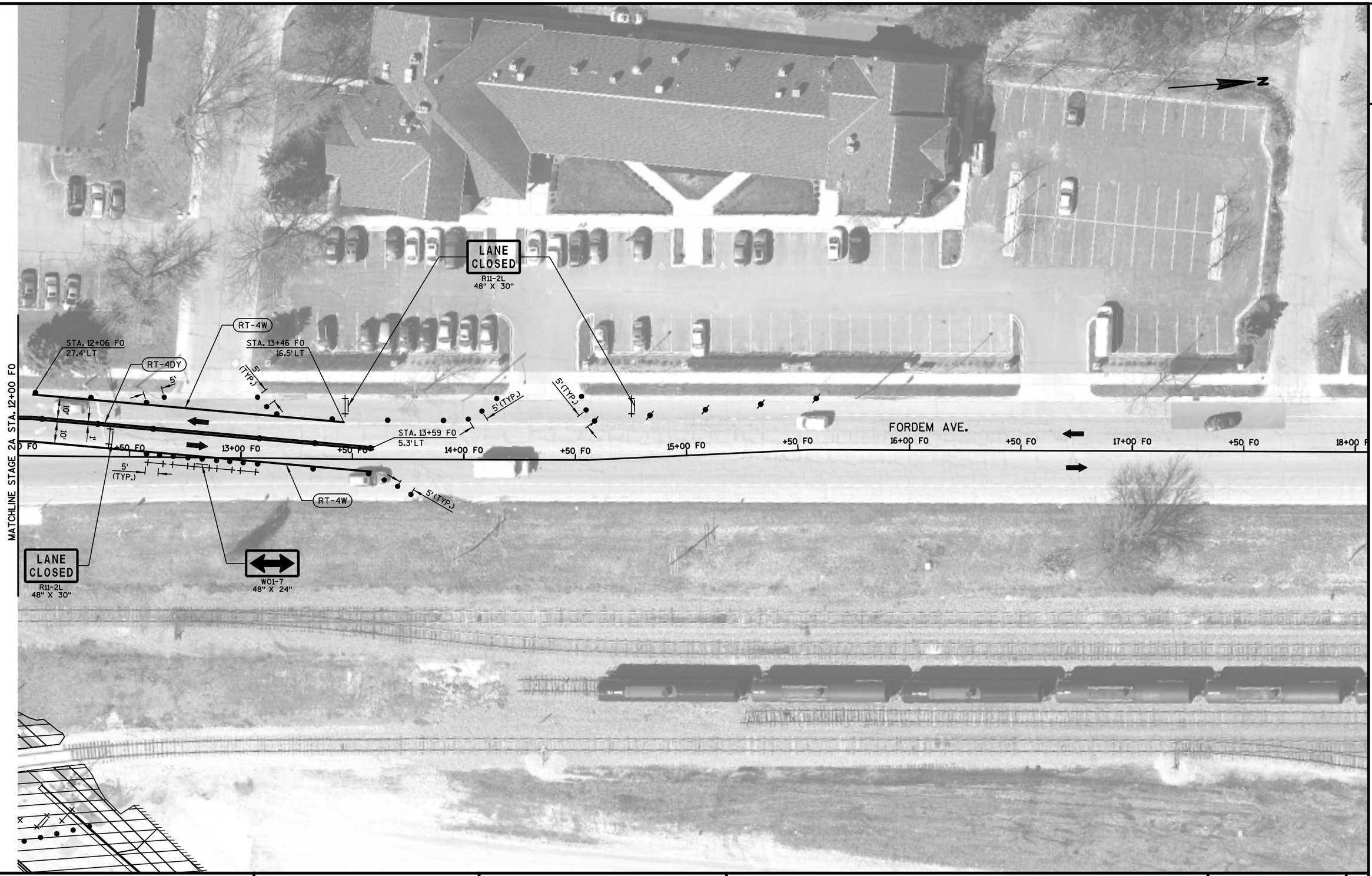
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026214_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



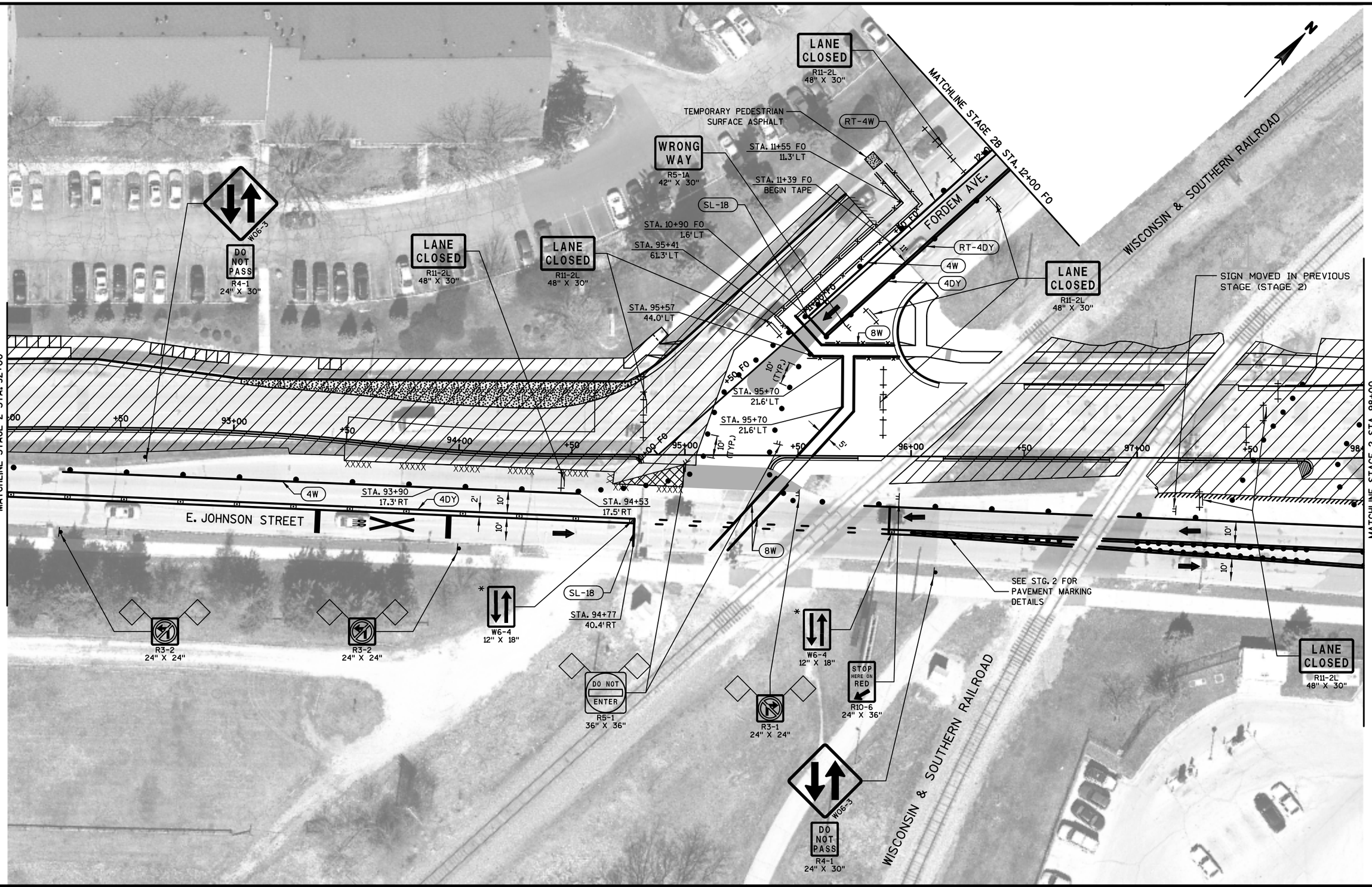
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET 220	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET 221	E

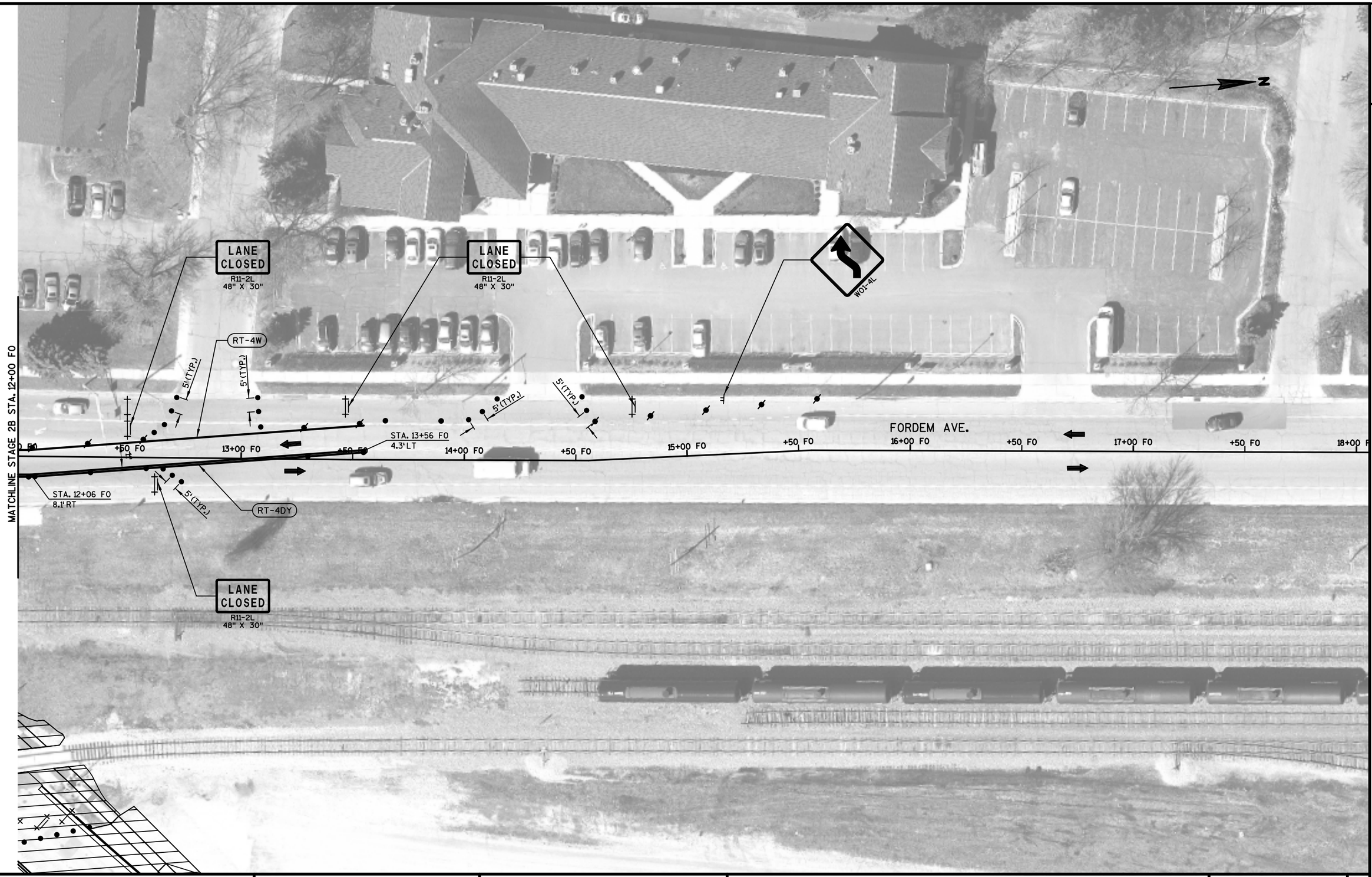
2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E

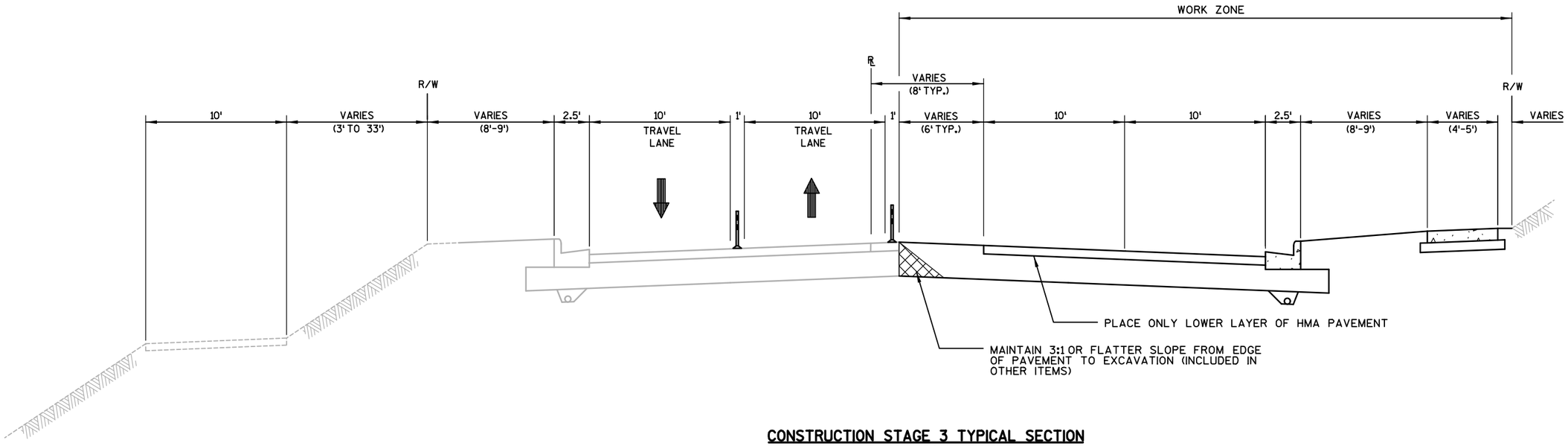
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026223_s2b.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



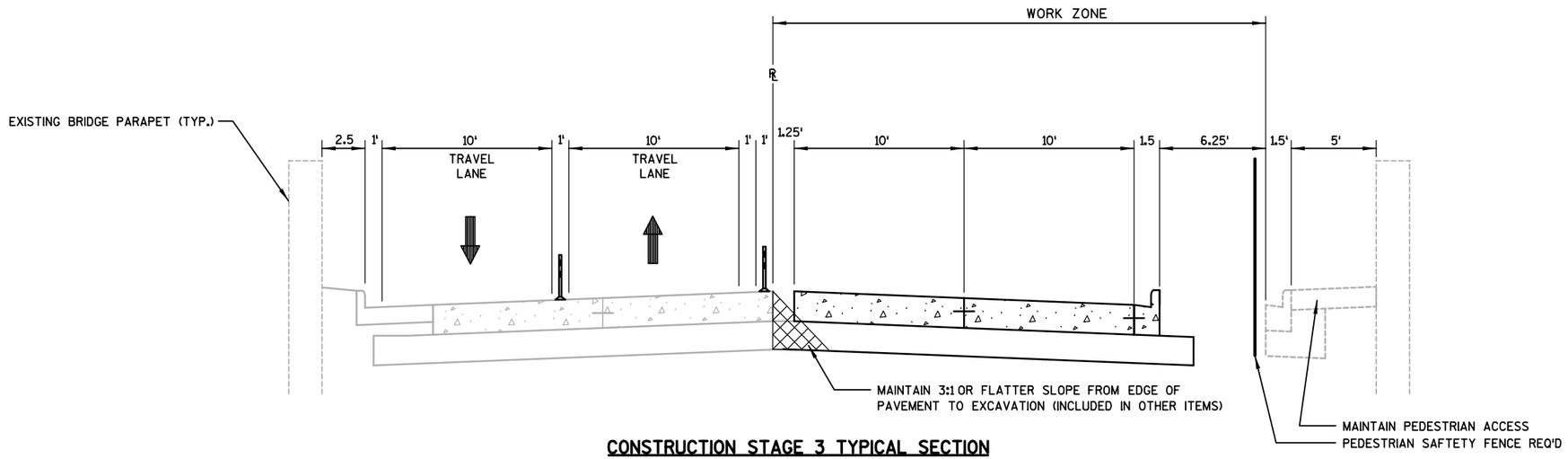
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026224_s2b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET

STA. 77+43 - STA. 87+90



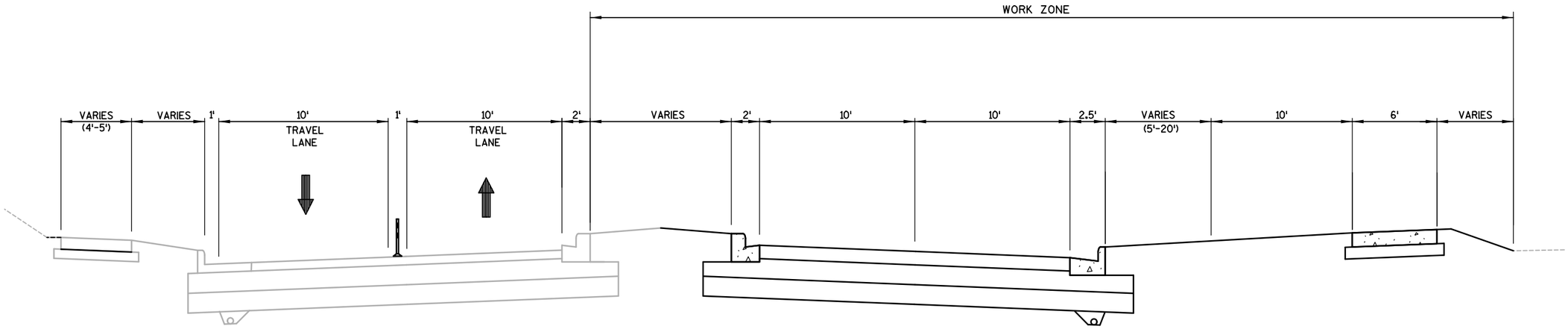
CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)

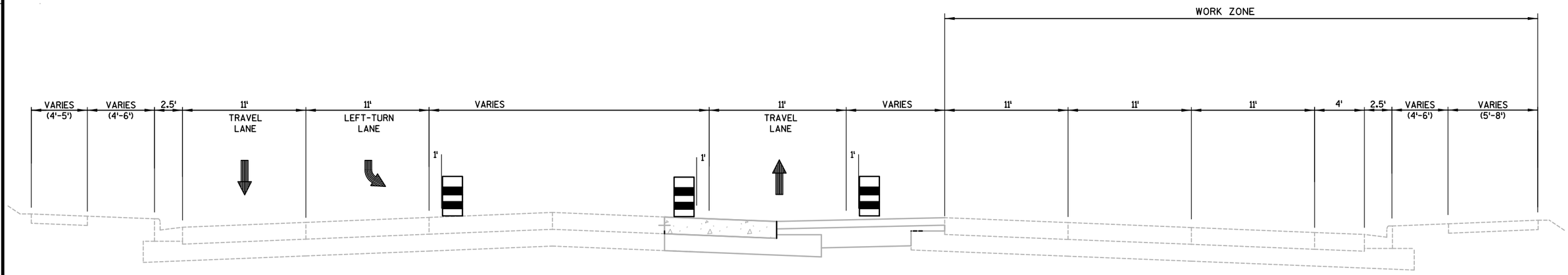
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026300_tc_Stage 3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

2

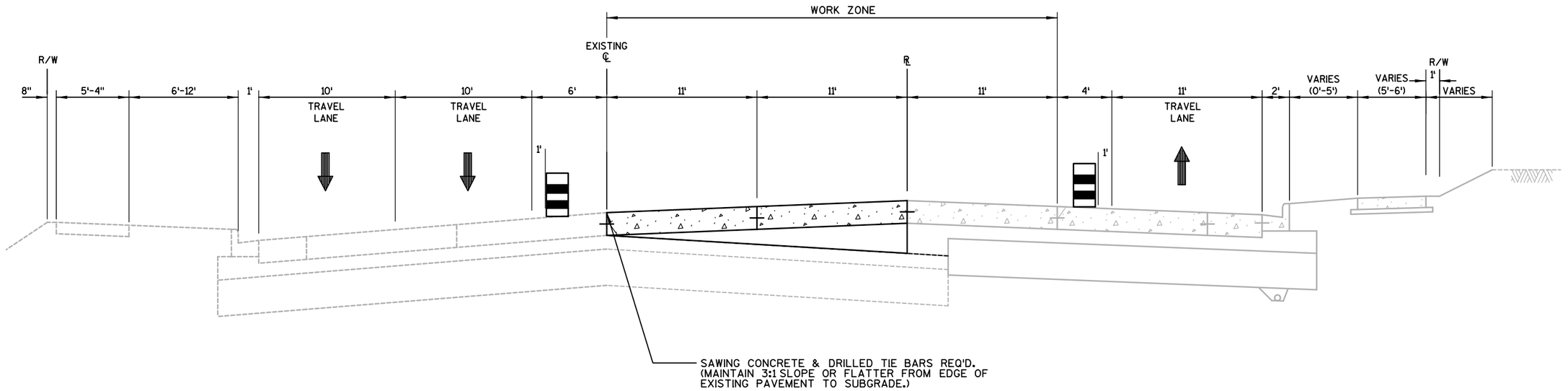


CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

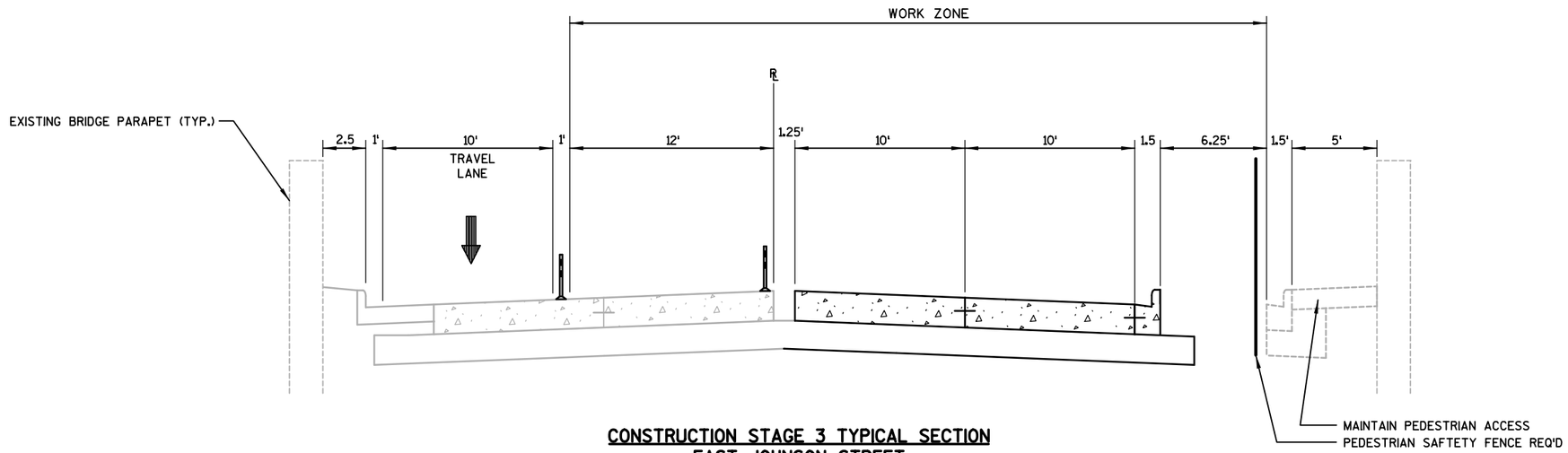
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET 225	E



CONSTRUCTION STAGE 3 TYPICAL SECTION
STH 113 (FIRST STREET)

STA. 10+80 - STA. 16+07

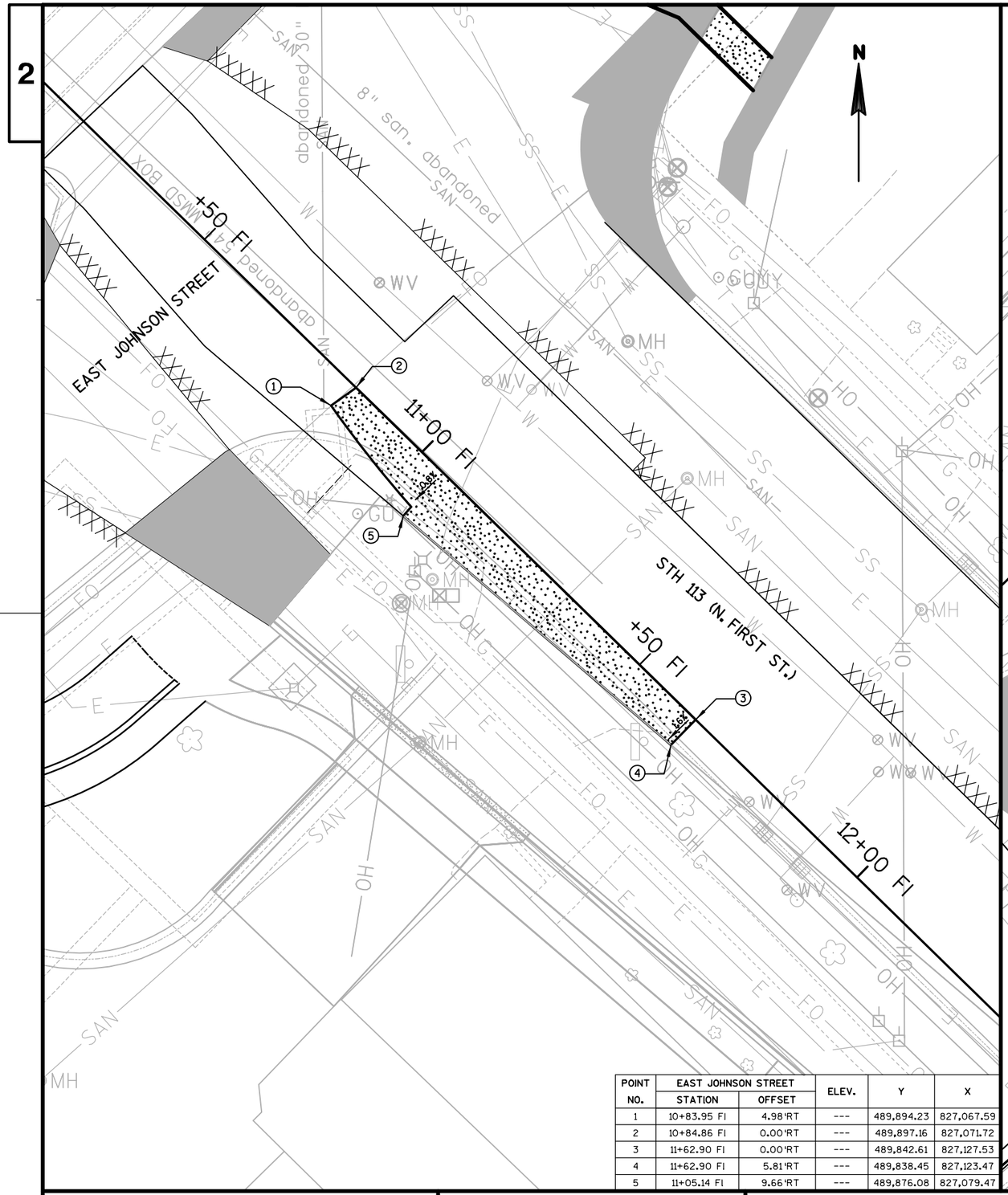
2



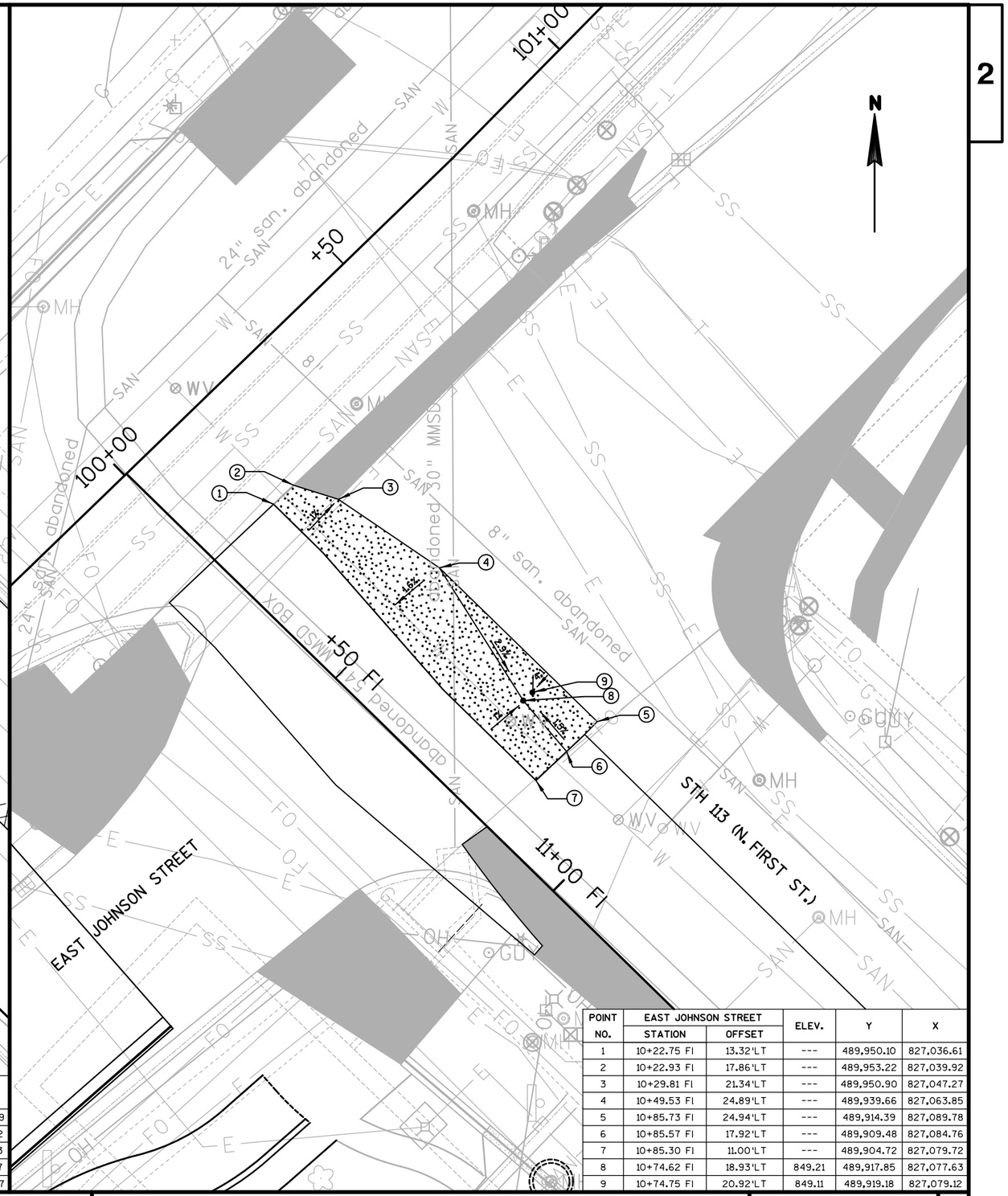
CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET
WITH EASTBOUND CLOSURE AND DETOUR

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET 227	E



POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	10+83.95 Fl	4.98'RT	---	489,894.23	827,067.59
2	10+84.86 Fl	0.00'RT	---	489,897.16	827,071.72
3	11+62.90 Fl	0.00'RT	---	489,842.61	827,127.53
4	11+62.90 Fl	5.81'RT	---	489,838.45	827,123.47
5	11+05.14 Fl	9.66'RT	---	489,876.08	827,079.47

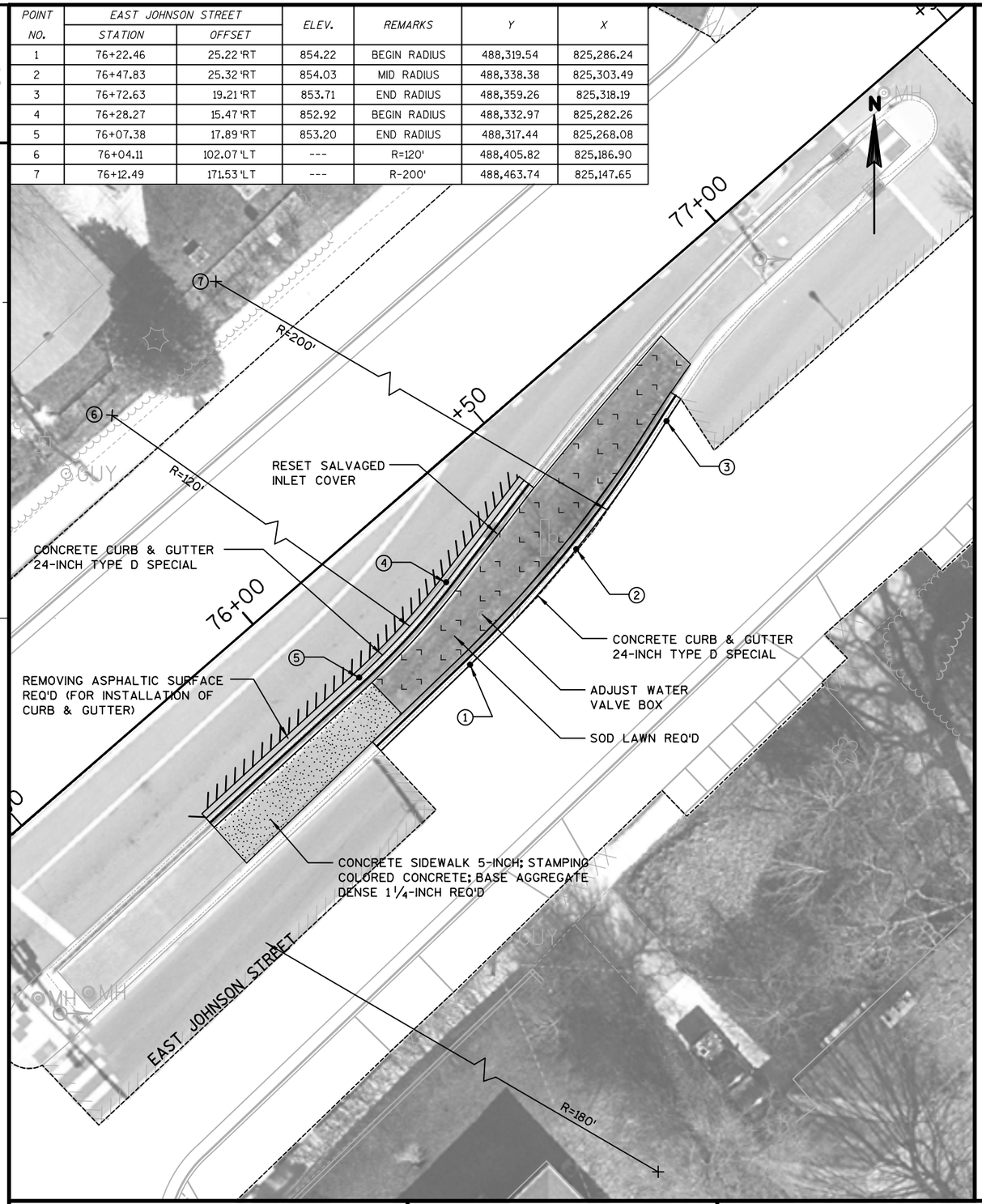


POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	10+22.75 Fl	13.32'LT	---	489,950.10	827,036.61
2	10+22.93 Fl	17.86'LT	---	489,953.22	827,039.92
3	10+29.81 Fl	21.34'LT	---	489,950.90	827,047.27
4	10+49.53 Fl	24.89'LT	---	489,939.66	827,063.85
5	10+85.73 Fl	24.94'LT	---	489,914.39	827,089.78
6	10+85.57 Fl	17.92'LT	---	489,909.48	827,084.76
7	10+85.30 Fl	11.00'LT	---	489,904.72	827,079.72
8	10+74.62 Fl	18.93'LT	849.21	489,917.85	827,077.63
9	10+74.75 Fl	20.92'LT	849.11	489,919.18	827,079.12

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 3 & 3A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026301_s3_Temp Pavement Layout 1.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

POINT NO.	EAST JOHNSON STREET		ELEV.	REMARKS	Y	X
	STATION	OFFSET				
1	76+22.46	25.22 'RT	854.22	BEGIN RADIUS	488,319.54	825,286.24
2	76+47.83	25.32 'RT	854.03	MID RADIUS	488,338.38	825,303.49
3	76+72.63	19.21 'RT	853.71	END RADIUS	488,359.26	825,318.19
4	76+28.27	15.47 'RT	852.92	BEGIN RADIUS	488,332.97	825,282.26
5	76+07.38	17.89 'RT	853.20	END RADIUS	488,317.44	825,268.08
6	76+04.11	102.07 'LT	---	R=120'	488,405.82	825,186.90
7	76+12.49	171.53 'LT	---	R-200'	488,463.74	825,147.65

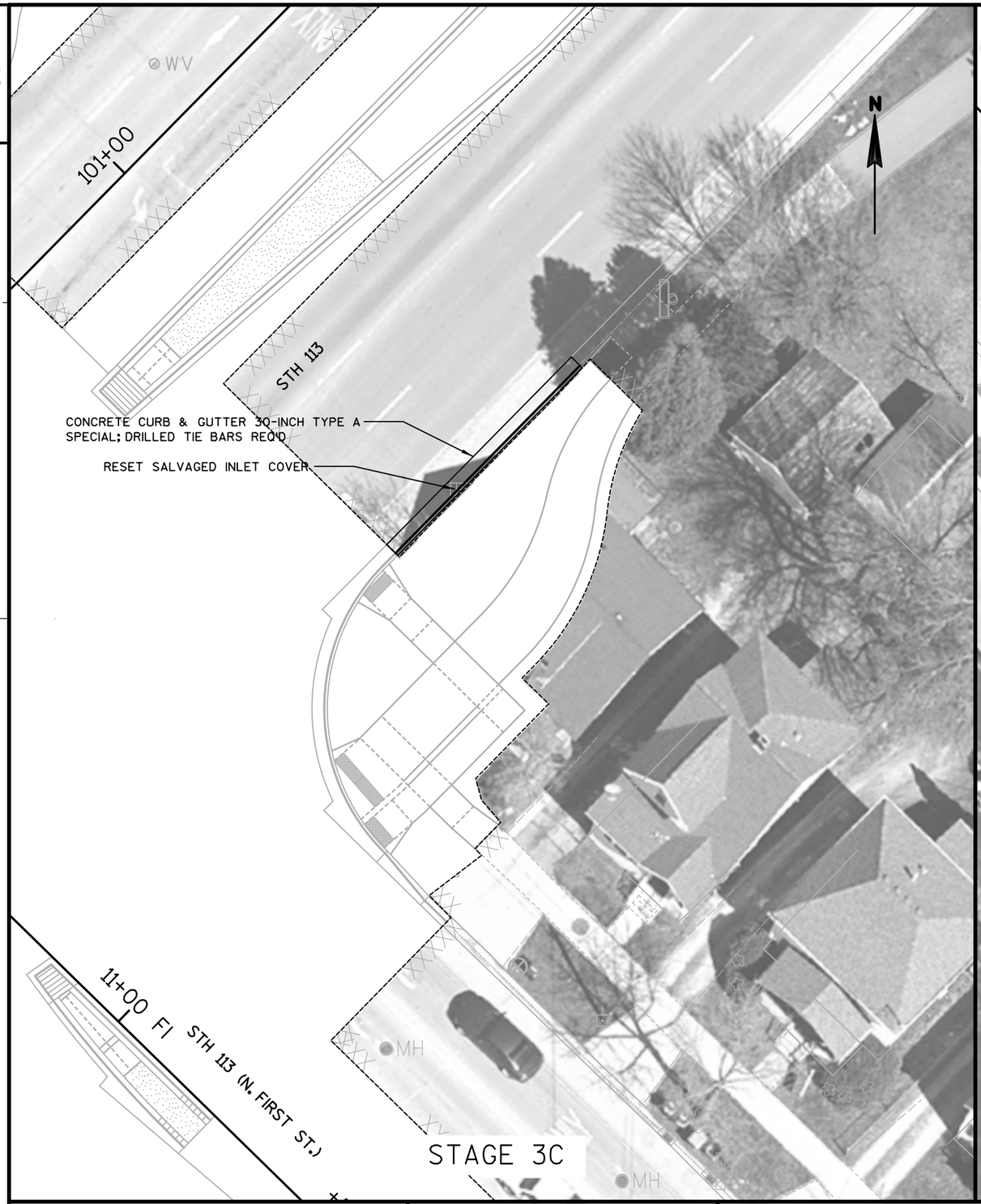


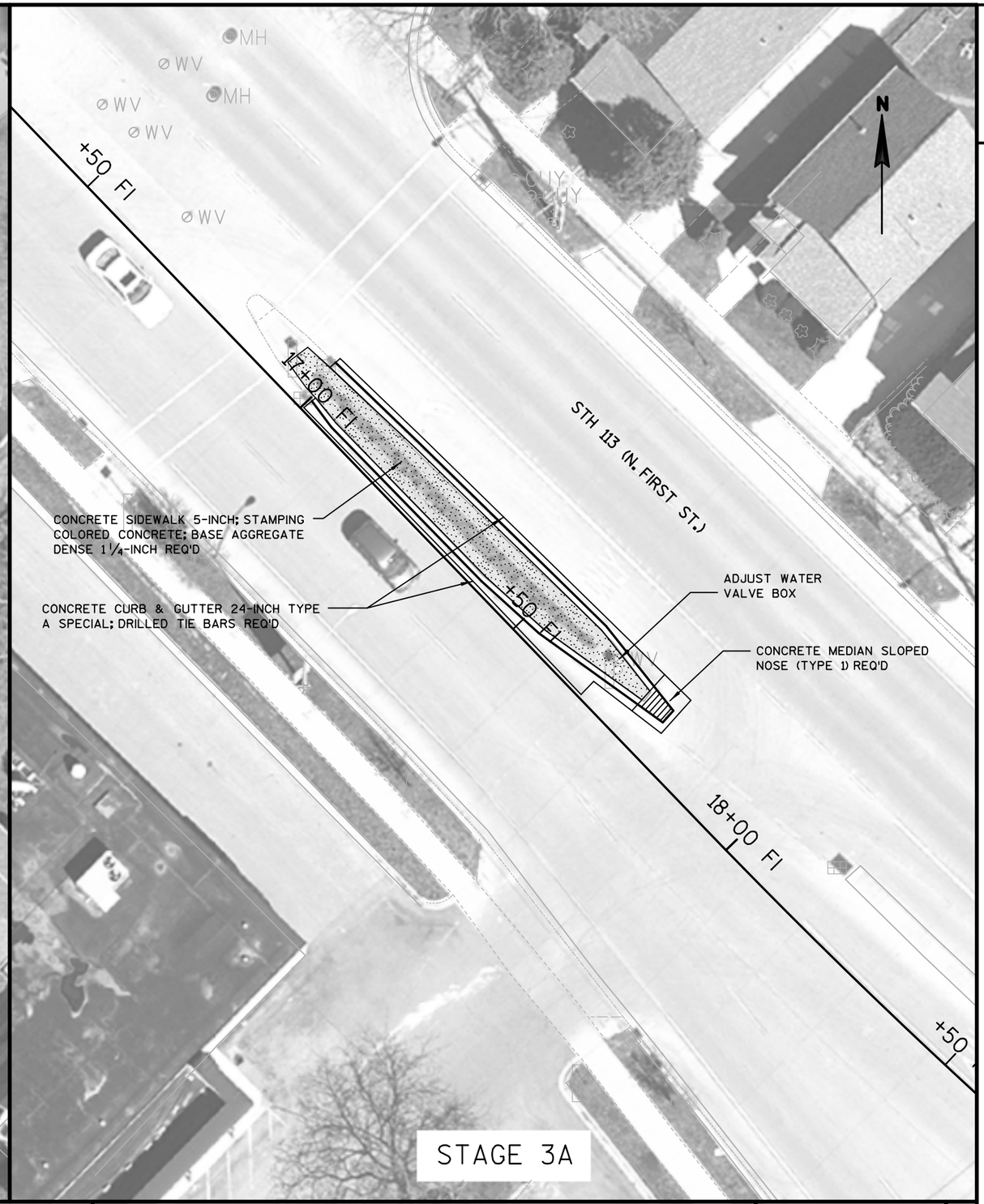
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT RESTORATION - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026301a_s3_Temp Pavement Restoration 1.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2





2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT RESTORATION - STAGE 3	SHEET 230	E

2

N

N. FEW ST.

N. GORHAM ST.

MATCHLINE B

MATCHLINE A

E. JOHNSON STREET

150'

125'

50'

65'

30'

W01-4R

RT-4W

RT-8W

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

LANE CLOSED
R11-2L
48" X 30"

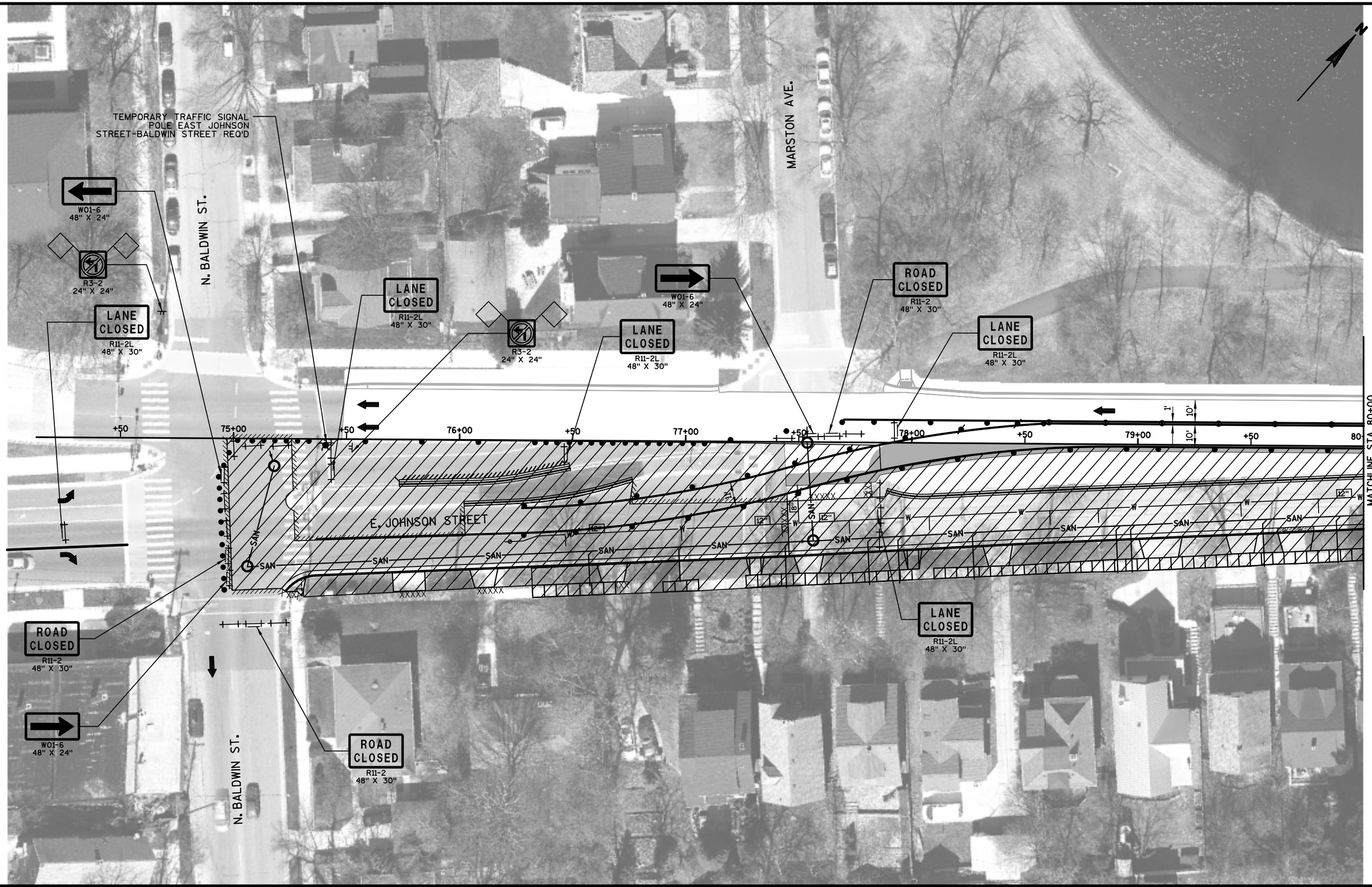
BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

ONLY
R3-5OR
30" X 36"

EXCEPT BUSES
R3-5G(MOD)
30" X 12"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026302_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3 (WITH EB DIRECTIONAL DETOUR)	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026303_s3_with Direction Detour.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N. BALDWIN ST.

MARSTON AVE.

STA. 76+11
458.7' LT

R=489'

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA. 77+70
10' LT

W06-3

DO NOT PASS
R4-1
24" X 30"

STA. 78+59
9.0' LT

STA. 77+48
10.7' RT

4Y

4DY

4W

+50 75+00 +50 76+00 +50 77+00 +50 78+00 +50 79+00 +50 80

MATCHLINE STA. 80+00

STA. 76+28
30.0' RT

RT-4Y

STA. 75+37
44.2' RT

E. JOHNSON STREET

RT-4W

RT-8W

5'
(TYP.)

STA. 78+96
1' RT

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

STA. 77+44
BEGIN PAINT

W01-6
48" X 24"

R=511'

STA. 79+06
499.0' RT

ROAD CLOSED
R11-2
48" X 30"

N. BALDWIN ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 233	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026303a_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

TENNEY PARK LAGOON

R3-2
24" X 24"

W06-3
DO NOT PASS
R4-1
24" X 30"

4DY

E. JOHNSON STREET

4W

MATCHLINE STA. 80+00

MATCHLINE STA. 86+00

80+00 +50 81+00 +50 82+00 +50 83+00 +50 84+00 +50 85+00 +50 86+00

10' 1'

R3-1
24" X 24"

N. DICKINSON ST.

ROAD CLOSED
R11-2
48" X 30"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026304_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER

STA. 87+29
510.0' LT

R=490'

STA. 87+89
20.0' LT

STA. 87+71
22.1' LT

STA. 87+94
BEGIN TAPE

USE TEMPORARY MARKING REMOVABLE TAPE 4-INCH (WHITE) OVER STRUCTURE C-13-147

4W

STA. 89+66
BEGIN PAINT

W01-4R

Fordem Av
MOVING SIGN REQ'D.

STA. 92+00
END 4W

STA. 91+00
23.0' LT

4DY

RT-4DY

E. JOHNSON STREET

RT-4W

10'

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

87+00

88+00

89+00

90+00

91+00

+50

10+00 YP

+50 PL

11+00 PL

+50 YP

11+00 YP

+50 YP

12+00 YP

N. THORNTON AVENUE

W01-4R

N

2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026305_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

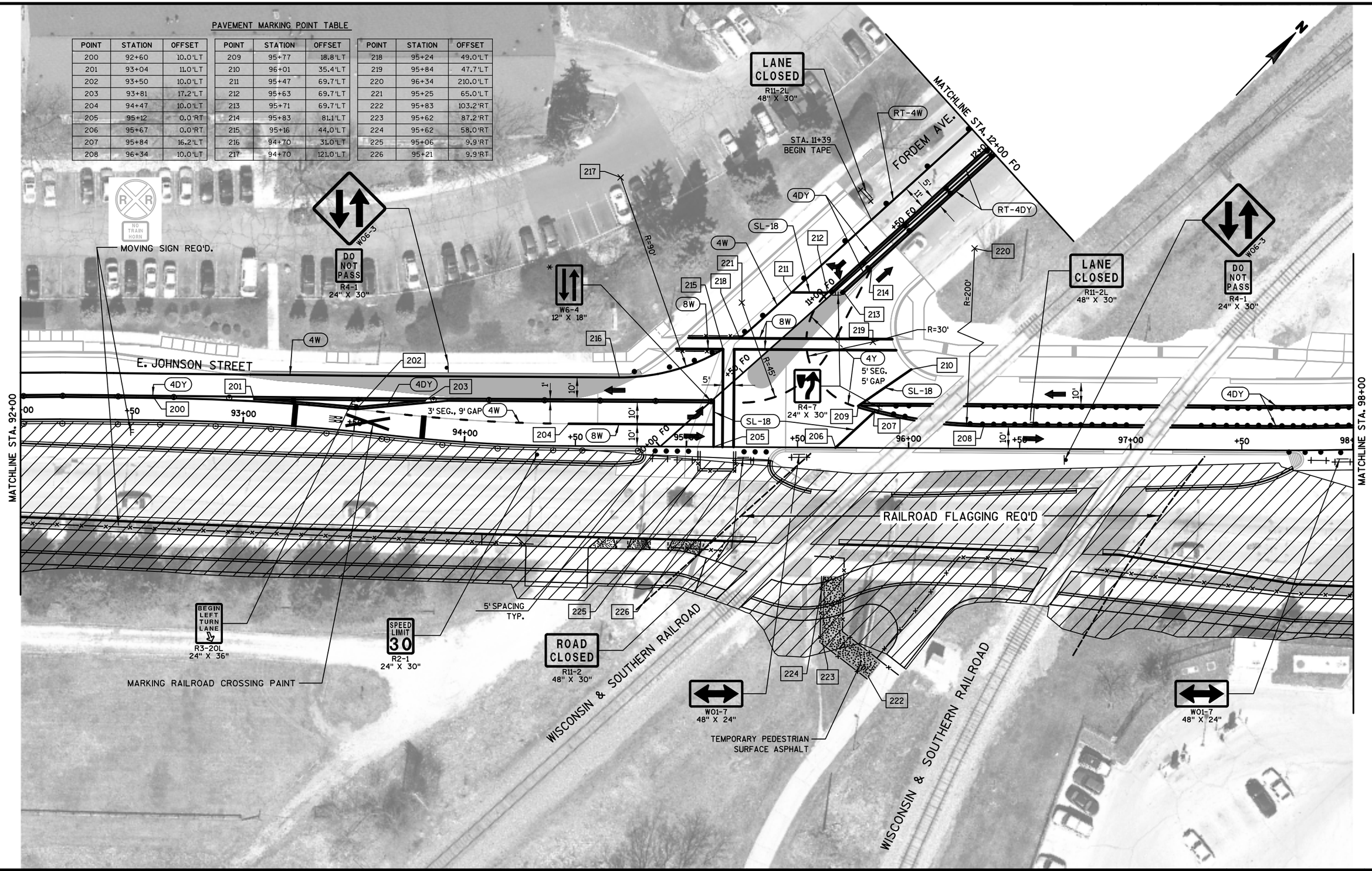
WISDOT/CADDS SHEET 42

PAVEMENT MARKING POINT TABLE

POINT	STATION	OFFSET
200	92+60	10.0'LT
201	93+04	11.0'LT
202	93+50	10.0'LT
203	93+81	17.2'LT
204	94+47	10.0'LT
205	95+12	0.0'RT
206	95+67	0.0'RT
207	95+84	16.2'LT
208	96+34	10.0'LT

POINT	STATION	OFFSET
209	95+77	18.8'LT
210	96+01	35.4'LT
211	95+47	69.7'LT
212	95+63	69.7'LT
213	95+71	69.7'LT
214	95+83	81.1'LT
215	95+16	44.0'LT
216	94+70	31.0'LT
217	94+70	121.0'LT

POINT	STATION	OFFSET
218	95+24	49.0'LT
219	95+84	47.7'LT
220	96+34	210.0'LT
221	95+25	65.0'LT
222	95+83	103.2'RT
223	95+62	87.2'RT
224	95+62	58.0'RT
225	95+06	9.9'RT
226	95+21	9.9'RT



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026306_s3.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING POINT TABLE

POINT	STATION	OFFSET
300	98+70	20.0'LT
301	99+64	11.1'LT
302	99+11	10.0'LT
303	99+63	7.1'LT
304	99+40	5.6'RT
305	100+25	9.8'LT
306	100+88	10.0'LT
307	100+88	4.3'LT
308	103+03	22.0'RT
309	101+86	21.3'RT
310	103+82	54.9'RT

POINT	STATION	OFFSET
311	103+82	57.0'RT
312	102+57	67.7'RT
313	102+67	53.7'RT
314	103+26	57.1'LT
315	102+56	39.2'RT
316	100+68	6.2'RT
317	100+75	508.5'RT
318	103+82	456.1'LT
319	102+96	56.3'RT
320	100+97	49.0'RT
321	100+55	89.3'RT

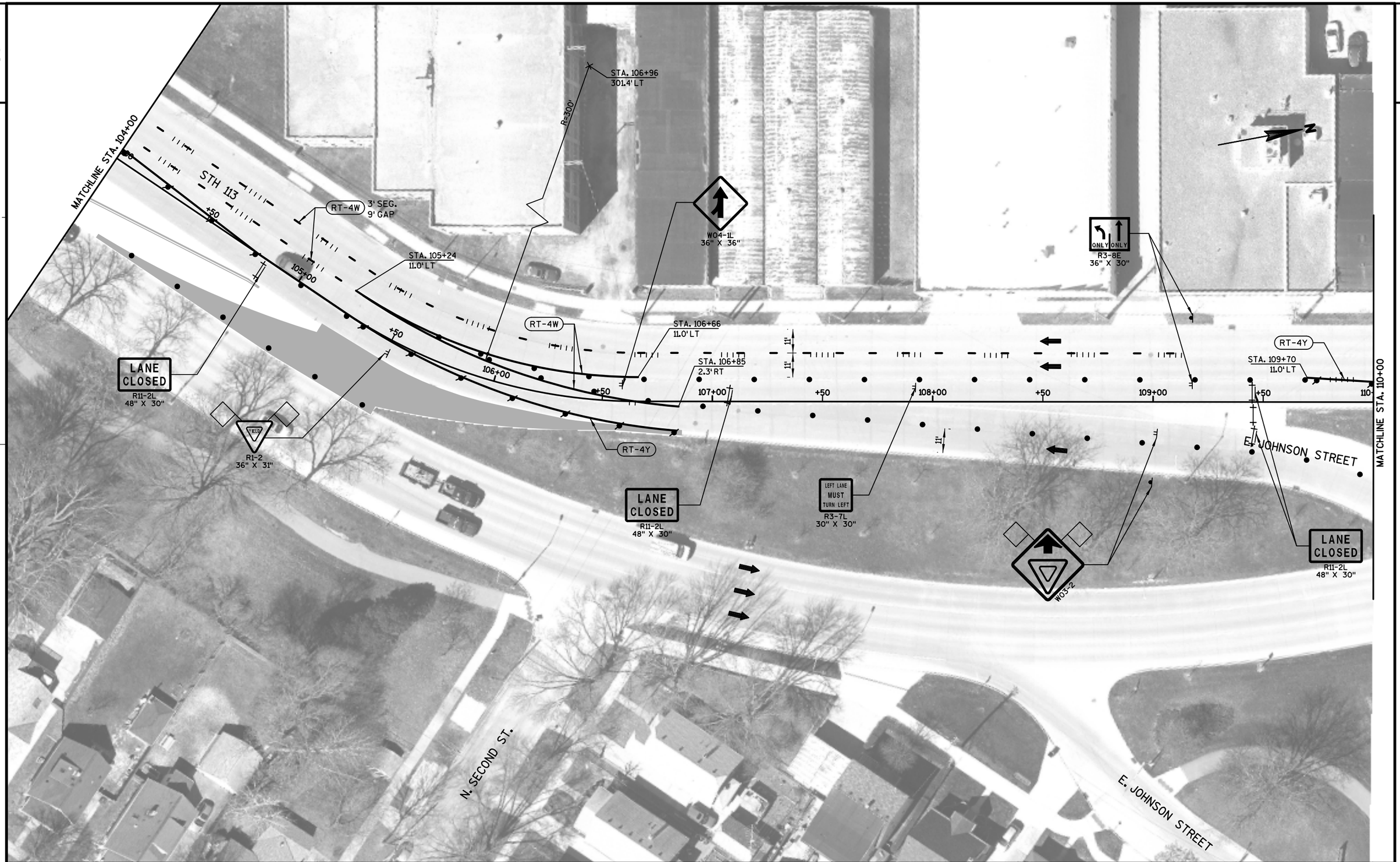
POINT	STATION	OFFSET
322	100+55	82.0'RT
323	100+93	88.7'RT
324	100+39	21.9'RT
325	100+55	6.5'RT
326	100+54	21.4'RT
327	100+68	25.3'RT
328	10+48 FI	38.0'LT
329	10+52 FI	28.0'LT
330	10+11 FI	9.4'LT
331	10+10 FI	9.7'RT
332	10+48 FI	20.7'RT

POINT	STATION	OFFSET
333	10+66 FI	22.1'RT
334	11+38 FI	22.5'RT
335	11+02 FI	23.6'RT
336	10+29 FI	17.3'RT
337	99+17	17.8'LT
338	10+30 FI	23.1'LT
339	99+91	3.0'LT
340	100+06	4.7'LT
341	100+87	75.0'RT

ROAD CLOSED R11-2 48" X 30"
N First St MOVING SIGN REQ'D.
Fordem Av MOVING SIGN REQ'D.
LANE CLOSED R11-2L 48" X 30"
CANADIAN PACIFIC
MARKING RAILROAD CROSSING PAINT
4DY
R=500'
RT-4DY
E. JOHNSON STREET
R4-7 24" X 30"
WO1-6 48" X 24"
DO NOT ENTER R5-1 36" X 36"
RT-SL-18
SOUTH 113
MOVING SIGNS TYPE II REQ'D.
H
MOVING SIGNS TYPE II REQ'D.
ONLY ONLY R3-8E 36" X 30"
LEFT LANE MUST TURN LEFT R3-7L 30" X 30"
TRUCK ROUTE
MOVING SIGNS TYPE II REQ'D.
5' SEG., 5' GAP
RT-4Y
R=45'
R=2'
R=88'
R=55'
R=100'
R=15'
R=40'
R=500'
R=511'
SL-18
R3-1 24" X 24"
STH 113
RT-8W
RT-4W
3' SEG. 9' GAP
8W
4W
10' SPACING TYP.
5' SPACING TYP.
5'(TYP.)
15'
10'
11'
STH 113 (N. FIRST ST.)
MATCHLINE STA. 98+00
MATCHLINE STA. 11+50 FI
MATCHLINE STA. 104+00
NORTH 113
MOVING SIGNS TYPE II REQ'D.
WO4-3 36" X 36"
WO1-4R
TEMPORARY PEDESTRIAN SURFACE ASPHALT
SEE "TEMPORARY PAVEMENT LAYOUT - STAGE 3" FOR ADDITIONAL INFORMATION.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 237	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026308_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

STH 113

RT-4Y

STA. 111+50
0.0' RT

MATCHLINE STA. 110+00

110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00 +50 115+00 +50 116+

STH 113

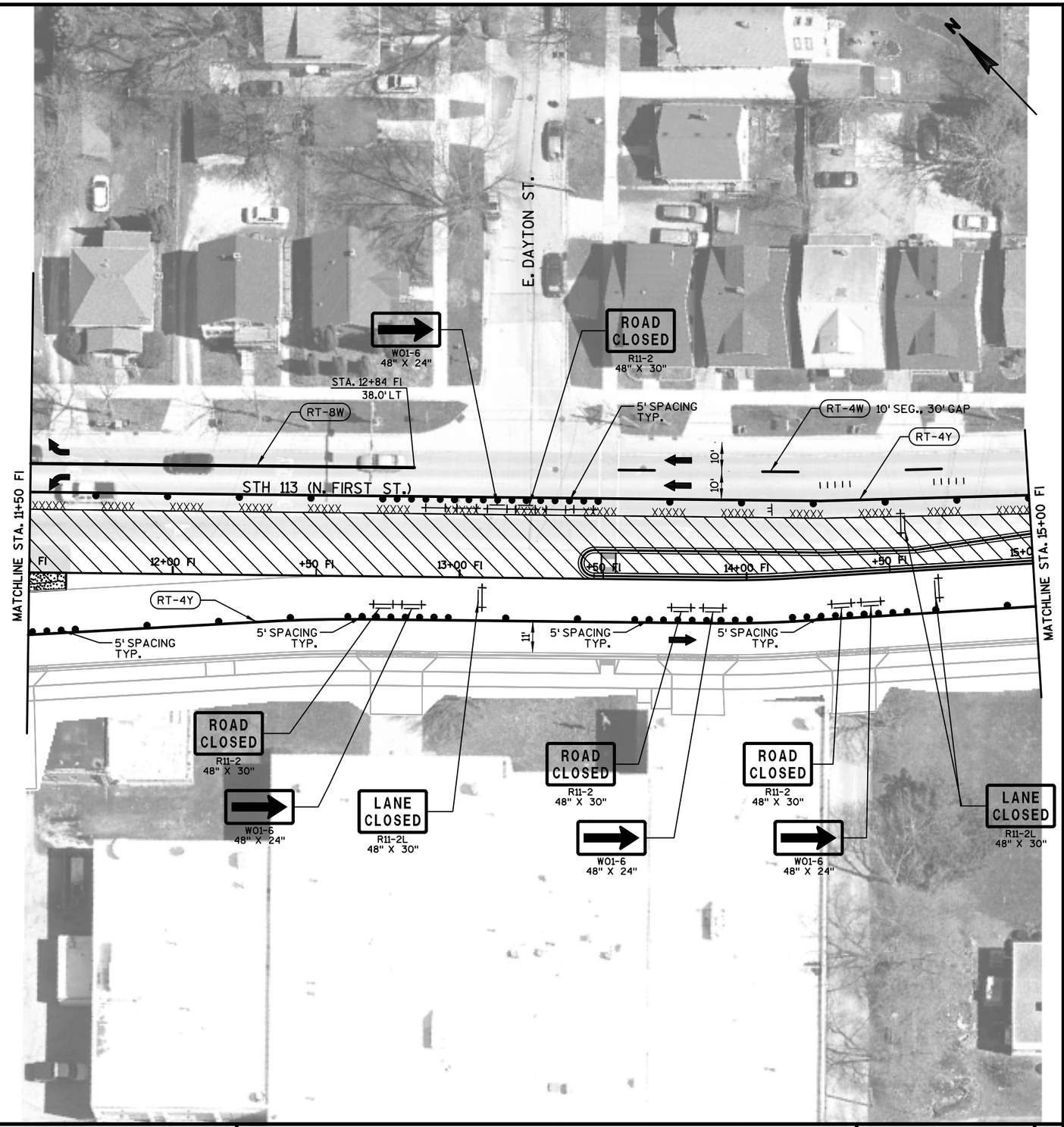
LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

N. THIRD ST.

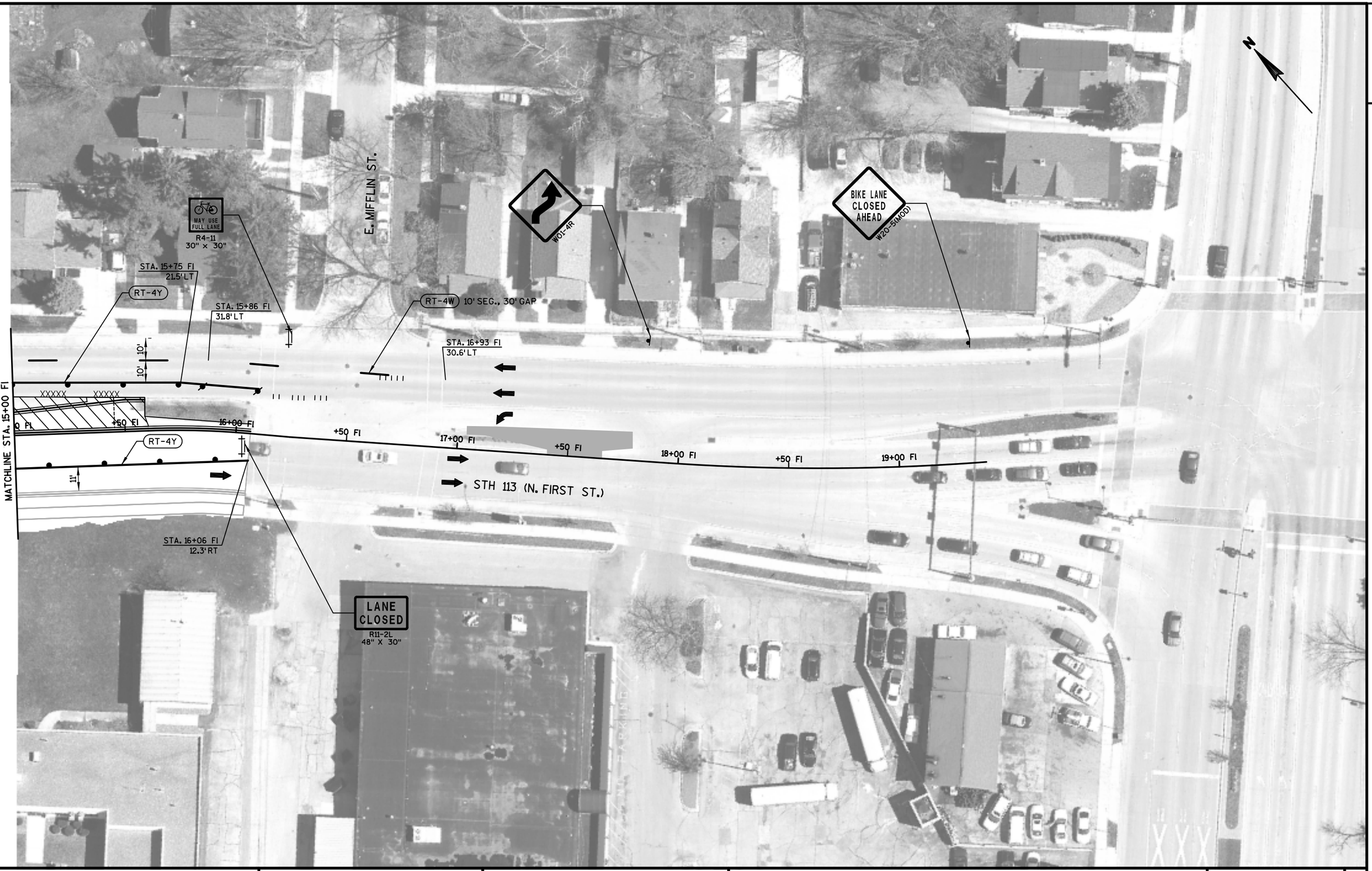
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026309_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 240 E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026312_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026314_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

MATCHLINE STAGE 3 STA. 102+00

NOTE: SEE STAGE 3 FOR PAVEMENT MARKING INFORMATION

LANE CLOSED
R11-2L
48" X 30"

STH 113

COVERING SIGNS REQ'D

COVERING SIGNS REQ'D

E. DAYTON ST.

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

10' SPACING TYP.
STA. 100+50
56.5' RT

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA. 100+66
6.2' RT

R4-7
24" X 30"

5' SPACING TYP.

W12-1D
24" X 24"

STA. 100+54
10.1' RT
R=15'

STA. 100+49
21.6' RT

RT-4W

5' SPACING TYP.

STH 113 (N. FIRST ST.)

STA. 15+00 FI

MATCHLINE STAGE 3A STA. 15+0

W01-6
48" X 24"

R4-7
24" X 30"

CANADIAN PACIFIC

E. JOHNSON STREET

10' SPACING TYP.

5' (TYP.)

5' SPACING TYP.

5' SPACING TYP.

5' SPACING TYP.

5' SPACING TYP.

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

W01-4R

MATCHLINE STAGE 3 STA. 98+50

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3A	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026320_s3a.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE: SEE STAGE 3 FOR ADDITIONAL PAVEMENT MARKING INFORMATION

N

LANE CLOSED
R11-2(MOD)
48" X 30"

W01-6
48" X 24"

E. MIFFLIN ST.

ROAD CLOSED
R11-2
48" X 30"

STA. 16+93 FI
35.1'LT

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

W04-2L

MAY USE FULL LANE
R4-11
30" x 30"

BIKE LANE CLOSED AHEAD
W20-5(MOD)

PLACE ALONG FIRST STREET, EAST OF E. WASHINGTON AVE.

RT-4W

RT-4Y

STA. 19+20 FI
46.2'LT

STA. 19+18 FI
35.2'LT

STA. 19+17 FI
24.3'LT

STA. 18+08 FI
27.9'LT

10'

11'

11'

11'

MATCHLINE STAGE 3A STA. 15+00 FI

0 FI

+50 FI

16+00 FI

+50 FI

17+00 FI

+50 FI

18+00 FI

+50 FI

19+00 FI

STH 113 (N. FIRST ST.)

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3A	SHEET 244	E

MATCHLINE STAGE 3 STA. 102+00

STH 113

LANE CLOSED
R11-2L
48" X 30"

NOTE: SEE STAGE 3 FOR ADDITIONAL PAVEMENT MARKING INFORMATION

ONLY
UNCOVER SIGN

ONLY
UNCOVER SIGN

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

W01-4R

E. DAYTON ST.

R=500'

STA. 13+67 FI
499.7' LT

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

R3-2
24" X 24"

R4-7
24" X 30"

STA. 100+79
11.0' LT

W01-6
48" X 24"

STA. 100+39
5.9' RT
R=60'

STA. 11+06 FI
14.0' LT

STH 113 (N. FIRST ST.)

STA. 12+67 FI
8.6' LT

W12-1D
24" X 24"

5' SEG., 5' GAP

RT-4Y

STA. 11+93 FI
14.0' LT

RT-4Y

STA. 12+90 FI
5.3' LT

STA. 10+48 FI
19.3' LT

STA. 10+85 FI
3.0' LT

RT-4W

STA. 13+44 FI
0.3' LT

MATCHLINE STAGE 3B STA. 15+00 FI

CANADIAN PACIFIC

R4-7
24" X 30"

STA. 10+21 FI
6.8' RT

E. JOHNSON STREET

STA. 12+34 FI
16.1' RT

RT-4Y

STA. 12+94 FI
12.1' RT

W01-6
48" X 24"

PERMANENT PAVEMENT MARKINGS

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

W4-3
36" X 36"

STA. 13+27 FI
11.0' RT

R=515'

STA. 11+93 FI
497.0' RT

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

W01-4R

R=500'

STA. 13+27 FI
511.0' RT

MATCHLINE STAGE 3 STA. 98+50

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026321_s3b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE: SEE STAGE 3 FOR ADDITIONAL PAVEMENT MARKING INFORMATION

E. MIFFLIN ST.

MAY USE FULL LANE
R4-11
30" x 30"

W01-4B

BIKE LANE CLOSED AHEAD
W20-5(MOD)

10'
10'

11'
11'

MATCHLINE STAGE 3B STA. 15+00 FI

0 FI
+50 FI
16+00 FI
+50 FI
17+00 FI
+50 FI
18+00 FI
+50 FI
19+00 FI

STH 113 (N. FIRST ST.)

PERMANENT PAVEMENT MARKINGS

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3B	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026321a_s3b.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

MATCHLINE STAGE 3 STA. 102+00

NOTE: SEE PREVIOUS STAGES FOR ADDITIONAL PAVEMENT MARKING INFORMATION

LANE CLOSED R11-2L 48" X 30"

STH 113

5' SPACING TYP.

STA. 101+45 36.5' RT

RT-8W

COVERING SIGNS REQ'D

COVERING SIGNS REQ'D

ONLY ONLY R3-8F 36" X 30"

ROAD CLOSED R11-2 48" X 30"

LANE CLOSED R11-2L 48" X 30"

LANE CLOSED R11-2L 48" X 30"

E. DAYTON ST.

W01-4B

W01-6 48" X 24"

LANE CLOSED R11-2L 48" X 30"

R3-2 24" X 24"

ROAD CLOSED R11-2 48" X 30"

RT-4W

STA. 100+68 37.0' RT

414

R4-7 24" X 30"

407

RT-SL-18

421 R=520'

RT-8W

419

5' SEG., 5' GAP RT-4Y

R=62' 415

404

413

412 R=53'

406

417

418

416

420 R=500'

RT-4Y

E. JOHNSON STREET

100+00

99+00

98+00

+50 FI

11+00 FI

12+00 FI

13+00 FI

14+00 FI

15+00 FI

5' SPACING TYP.

R=41' 411

410

405

400

403

422 R=350'

RT-4Y

402

RT-4W

401

409

408

STH 113 (N. FIRST ST.)

CANADIAN PACIFIC

R4-7 24" X 30"

PERMANENT PAVEMENT MARKINGS

PERMANENT PAVEMENT MARKINGS

W01-6 48" X 24"

ROAD CLOSED R11-2 48" X 30"

W01-6 48" X 24"

LANE CLOSED R11-2L 48" X 30"

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED R11-2 48" X 30"

LANE CLOSED R11-2L 48" X 30"

ROAD CLOSED R11-2 48" X 30"

PERMANENT PAVEMENT MARKINGS

W01-6 48" X 24"

W01-6 48" X 24"

W01-4R

MATCHLINE STAGE 3 STA. 98+50

MATCHLINE STAGE 3C STA. 15+00 FI

PAVEMENT MARKING POINT TABLE

POINT	STATION	OFFSET
400	10+30 FI	24.2'RT
401	11+20 FI	30.7'RT
402	11+69 FI	16.5'RT
403	10+50 FI	4.0'RT
404	10+50 FI	21.1'LT
405	10+50 FI	3.0'RT
406	10+30 FI	2.3'LT
407	100+53	10.5'LT
408	99+56	12.4'LT
409	99+65	11.0'LT
410	99+98	28.2'RT
411	99+88	2.7'RT

POINT	STATION	OFFSET
412	100+23	0.1'RT
413	10+72 FI	17.0'LT
414	100+82	6.4'RT
415	10+28 FI	36.1'LT
416	11+16 FI	17.0'LT
417	11+96 FI	23.3'LT
418	13+08 FI	41.4'LT
419	13+91 FI	48.0'LT
420	11+56 FI	18.6'LT
421	13+49 FI	46.3'LT
422	11+09 FI	15.3'RT

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3C	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026322_s3c.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE: SEE STAGE 3 FOR ADDITIONAL PAVEMENT MARKING INFORMATION

E. MIFFLIN ST.

MAY USE FULL LANE
R4-11
30" x 30"

W01-4B

BIKE LANE CLOSED AHEAD
W20-5(MOD)

MATCHLINE STAGE 3C STA. 15+00 FI

10'
10'
11'

0 FI
+50 FI
16+00 FI
+50 FI
17+00 FI
+50 FI
18+00 FI
+50 FI
19+00 FI

STH 113 (N. FIRST ST.)

PERMANENT PAVEMENT MARKINGS

LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3C	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026322a_s3c.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

MATCHLINE STAGE 3D STA. 102+00

SEE STAGE 3 FOR PAVEMENT MARKING LOCATION

RT-4W

10' SPACING TYP.

STA. 10+53 FI
96.8' LT

STA. 10+93 FI
92.0' LT
R=40'

STA. 10+86 FI
52.6' LT

STA. 10+93 FI
37.0' LT

STA. 100+82
6.4' RT

STA. 100+23
7.3' RT

STA. 100+12
12.0' RT
R=15'

STA. 100+08
22.7' RT

STA. 13+48 FI
37.0' LT

STA. 15+00 FI

MATCHLINE STAGE 3D STA. 15+00

MATCHLINE STAGE 3 STA. 98+50

NOTE: SEE STAGE 3C FOR ADDITIONAL PAVEMENT MARKING INFORMATION

SIGN COVERED IN STAGE 3C

UNCOVER SIGN

STH 113

STH 113 (N. FIRST ST.)

E. JOHNSON STREET

E. DAYTON ST.

CANADIAN PACIFIC

5' SPACING TYP.

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

NORTH
M3-1
24" X 12"

100
M1-6
24" X 24"

M6-1
21" X 21"

W01-6
48" X 24"

R4-7
24" X 30"

R3-1
24" X 24"

W012-1D
24" X 24"

R3-8F
36" X 30"

W01-4R

ONLY

RT-8W

+50 FI

11+00 FI

12+00 FI

13+00 FI

14+00 FI

15+00

100+00

99+00

+50

+00

15'

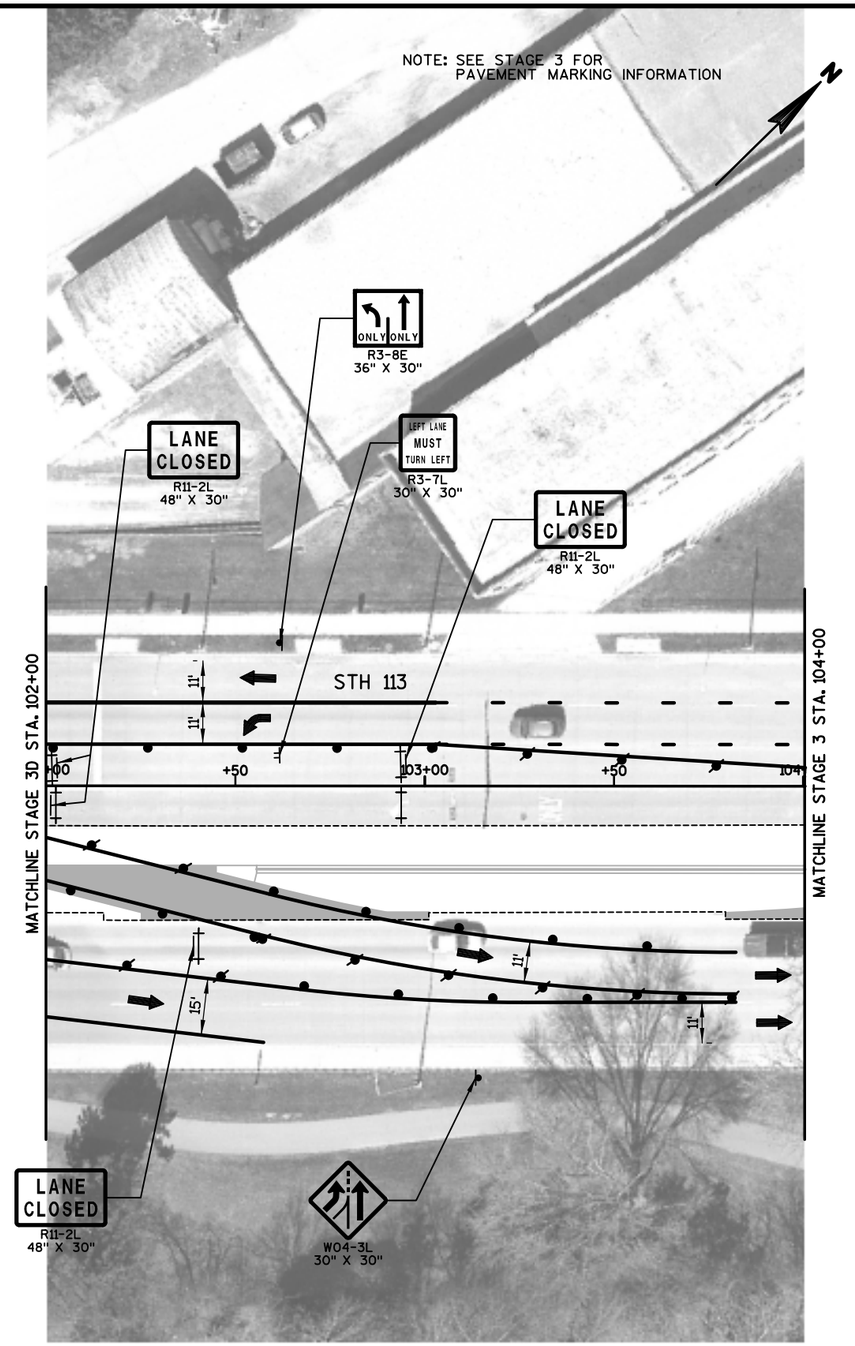
11'

10'

4'

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3D	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026323_s3d.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3D	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026323a_s3d.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE: SEE STAGE 3 FOR ADDITIONAL PAVEMENT MARKING INFORMATION

E. MIFFLIN ST.

ONLY | ONLY
R3-8F
36" X 30"

MAY USE FULL LANE
R4-11
30" x 30"

W01-4B

BIKE LANE CLOSED AHEAD
W20-5(MOD)

MATCHLINE STAGE 3D STA. 15+00 FI

10'
10'
4'
11'

0 FI
+50 FI
16+00 FI
+50 FI
17+00 FI
+50 FI
18+00 FI
+50 FI
19+00 FI

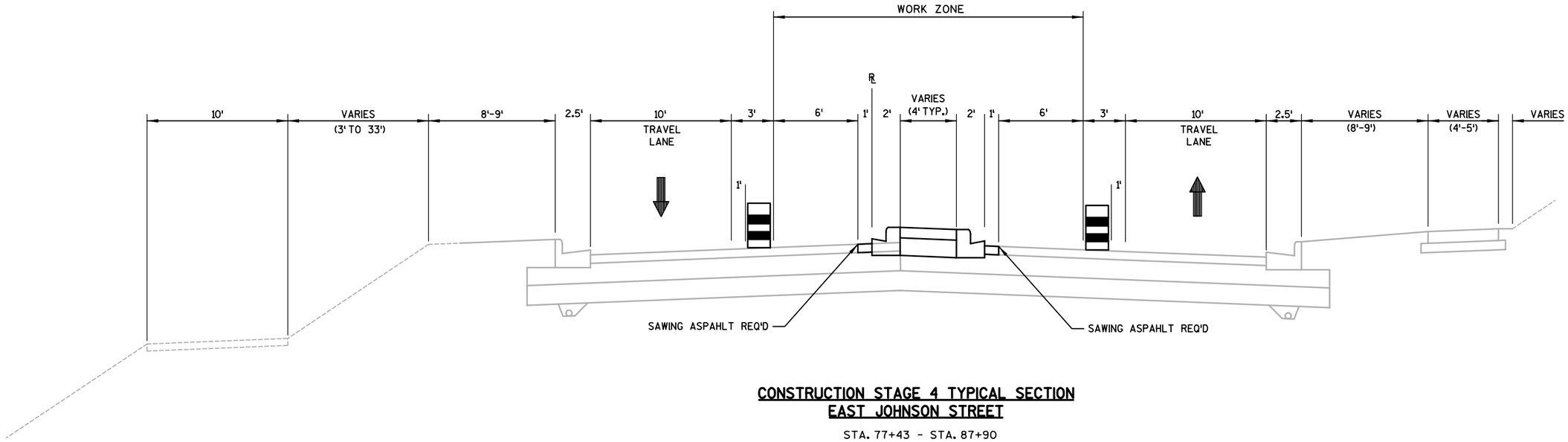
STH 113 (N. FIRST ST.)

PERMANENT PAVEMENT MARKINGS

LANE CLOSED
R11-2L
48" X 30"

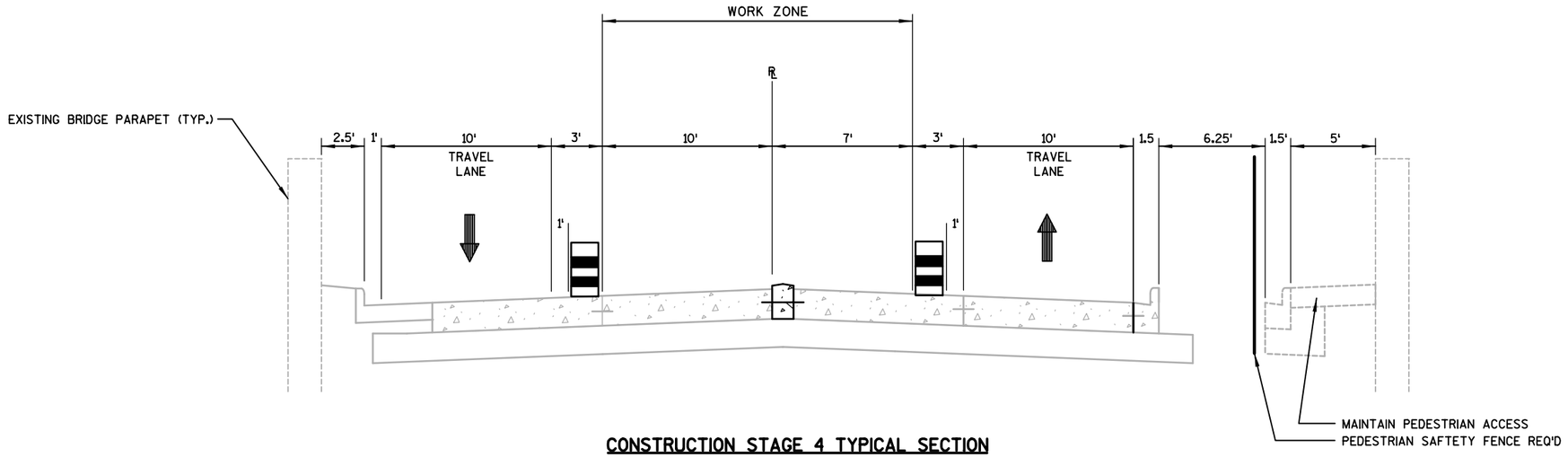
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3D	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026323b_s3d.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET

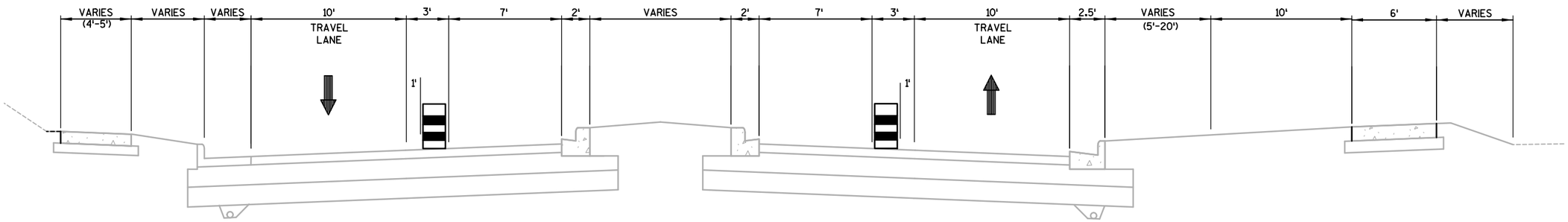
STA. 77+43 - STA. 87+90



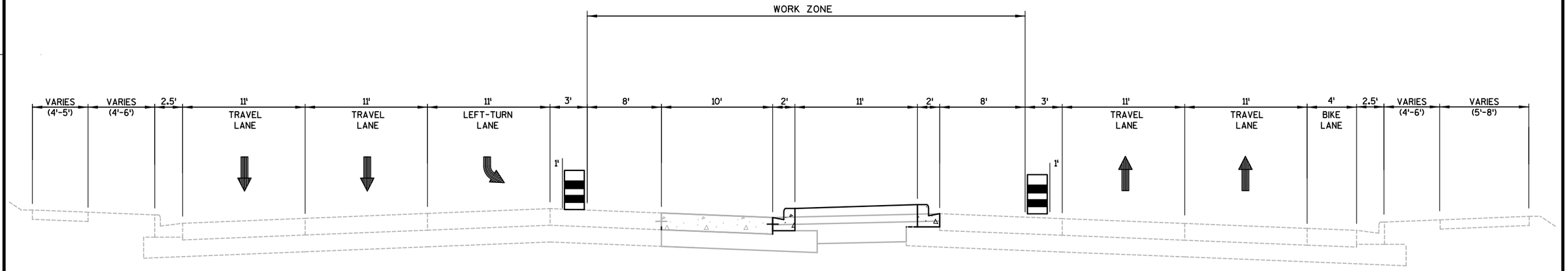
CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 4	SHEET 252	E



CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



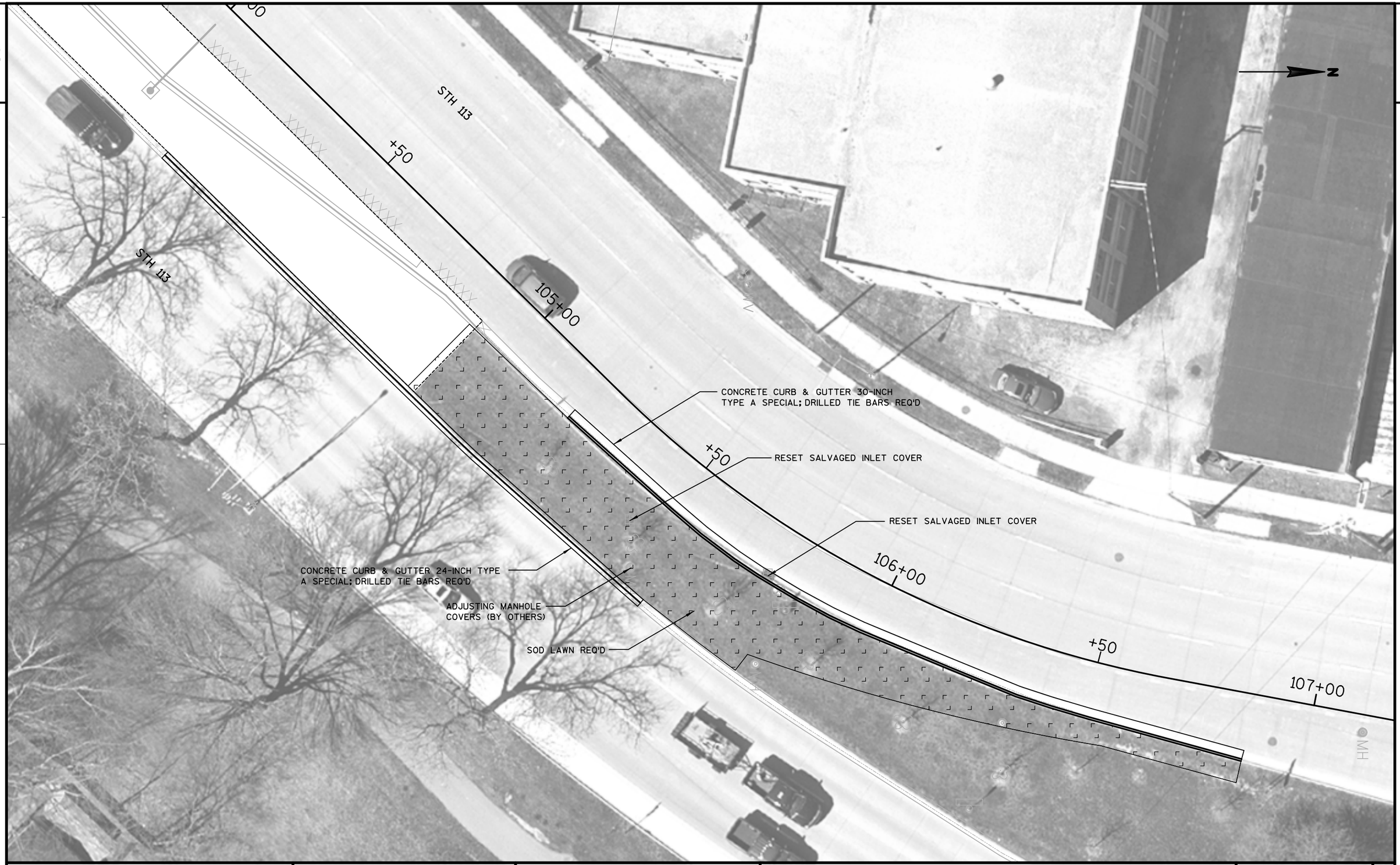
CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 4	SHEET 253	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT RESTORATION - STAGE 4	SHEET 254	E



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT RESTORATION - STAGE 4	SHEET 255	E

2

2

N. FEW ST.

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

CARS MERGING AHEAD
W20-3(MOD)

N. GORHAM ST.

BEGIN LEFT TURN LANE
YIELD TO BIKES
R4-4(MOD)
36" X 30"

MATCHLINE B

125'

10'

E. JOHNSON STREET

RT-4W

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE A

N. FEW ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 256	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026402_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

N

N. BALDWIN ST.

MARSTON AVE.

E. JOHNSON STREET

PERMANENT PAVEMENT MARKINGS

4W

+50 75+00 +50 76+00 +50 77+00 +50 78+00 +50 79+00 +50 80

MATCHLINE STA. 80+00

10'

5' (TYP.)

10' SPACING (TYP.)

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026403_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

TENNEY PARK LAGOON

E. JOHNSON STREET

MATCHLINE STA. 80+00

MATCHLINE STA. 86+00

81+00 +50 82+00 +50 83+00 +50 84+00 +50 85+00 +50 86

5' (TYP.)

5' (TYP.)

10'

10'

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

8W

ROAD CLOSED
R11-2
48" X 30"

SL-18

W01-6
48" X 24"

R3-2
24" X 24"

N. DICKINSON ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026404_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

N

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 86+00

E. JOHNSON STREET

10'

10'

+50

87+00

+50

88+00

+50

89+00

+50

90+00

+50

91+00

+50

92+

8W 5' SEG. 5' GAP

4W

MATCHLINE STA. 92+00

10+00 YP

+50 PL

11+00 PL

+50 YP

11+00 YP

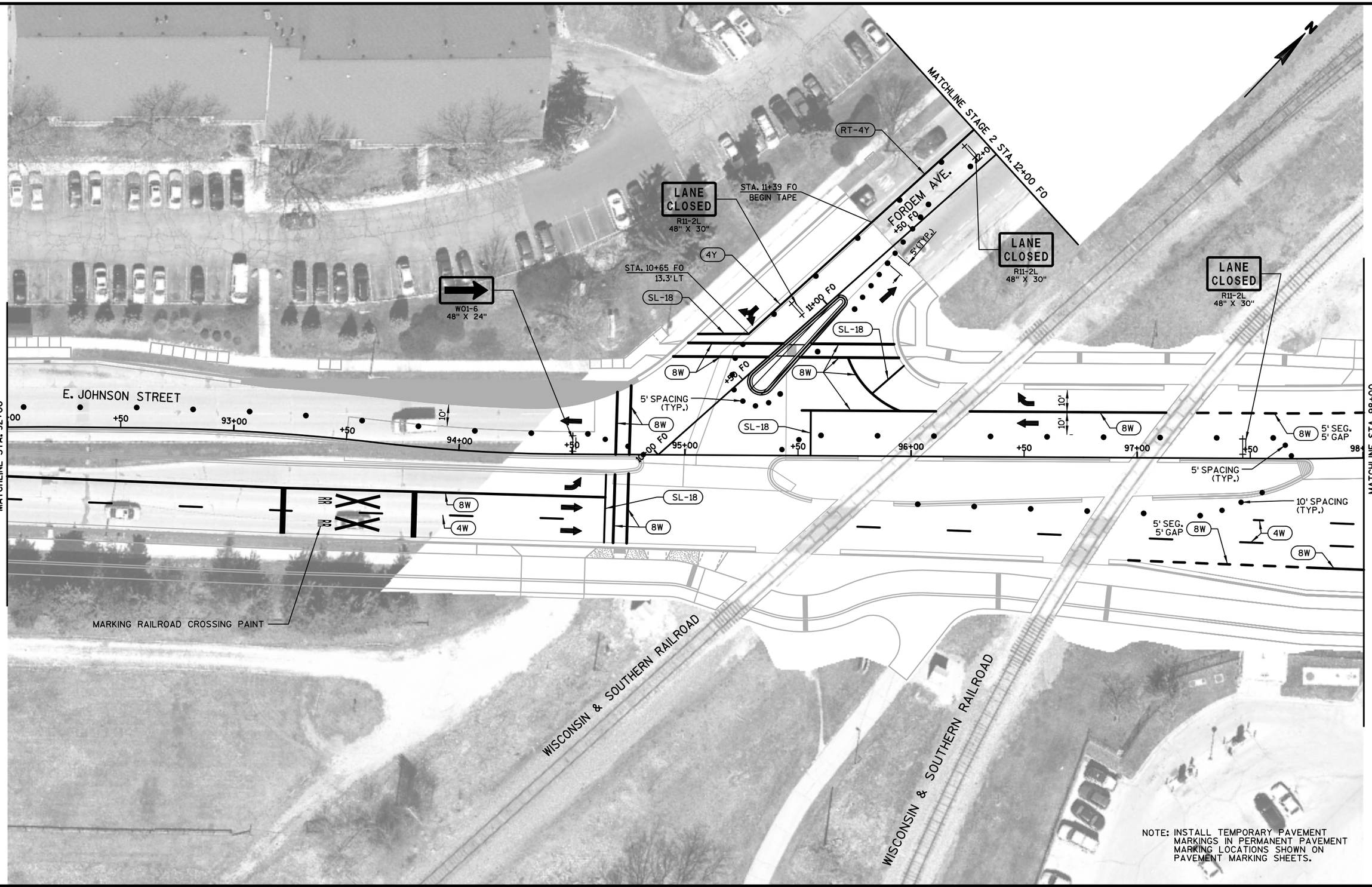
+50 YP

12+00 YP

N. THORNTON AVENUE

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 259	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026406_s4.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

INSTALL PERMANENT PAVEMENT MARKING ON CONCRETE PAVEMENT. SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.

MARKING RAILROAD CROSSING PAINT

W01-6
48" X 24"

CANADIAN PACIFIC

E. JOHNSON STREET

8W 5' SEG. 5' GAP

10' SPACING TYP.

10' SPACING TYP.

4W

8W

5' SPACING TYP.

MATCHLINE STA. 98+00

99+00

100+00

+50

RT-8W

INSTALL PERMANENT STOP BAR. EXTEND TO EXISTING CURB & GUTTER

STH 113

RT-4W

RT-8W

101+00

102+00

103+00

MATCHLINE STA. 104+00

SOUTH 113

MOVING SIGNS TYPE II REQ'D.

H

MOVING SIGNS TYPE II REQ'D.

COVERING SIGNS REQ'D

TRUCK ROUTE

PERMANENT PAVEMENT MARKINGS

PERMANENT PAVEMENT MARKINGS

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

PERMANENT PAVEMENT MARKINGS

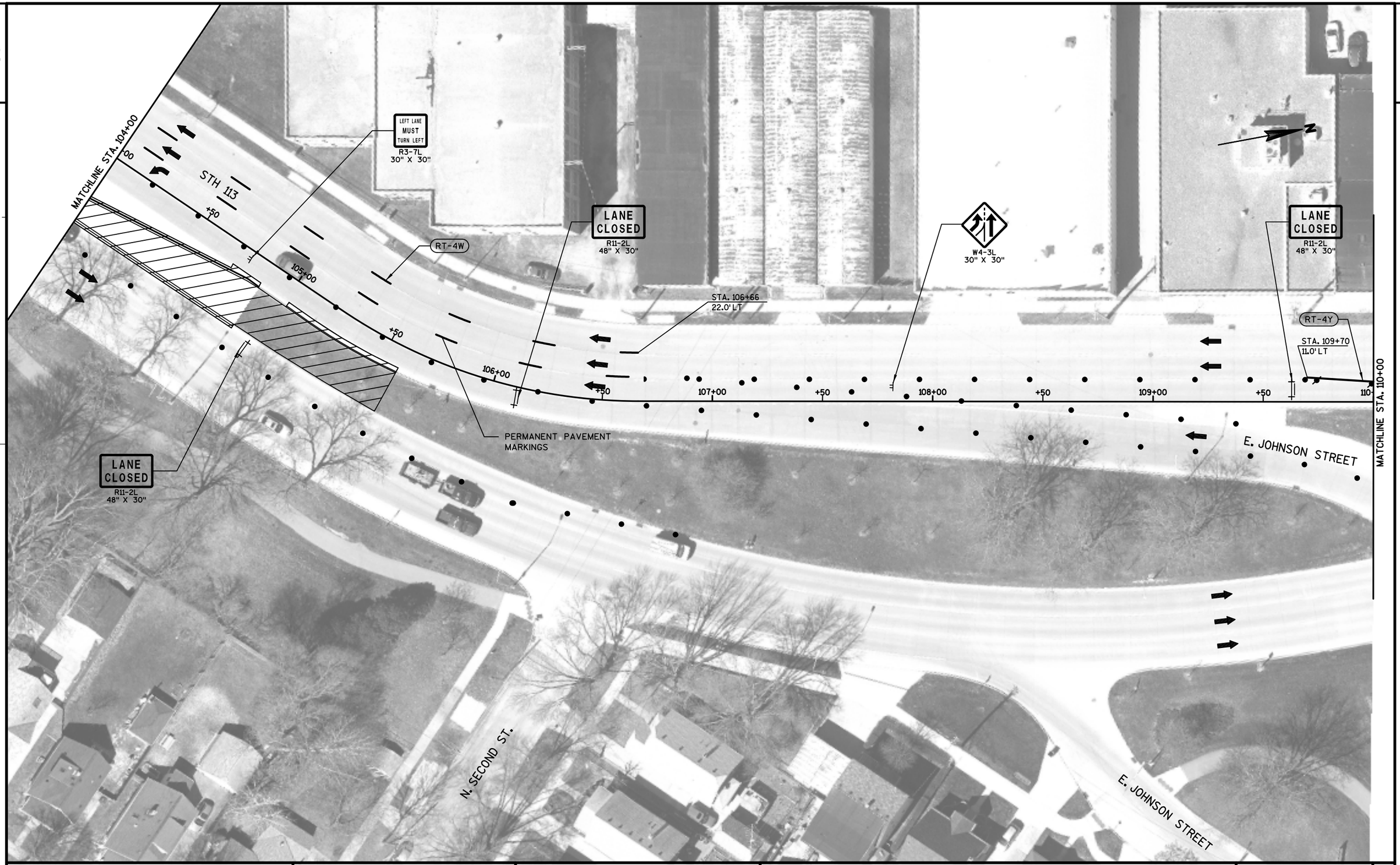
LANE CLOSED
R11-2L
48" X 30"

STH 113 (N. FIRST ST.)

MATCHLINE STA. 11+50 FI

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026407_s4.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

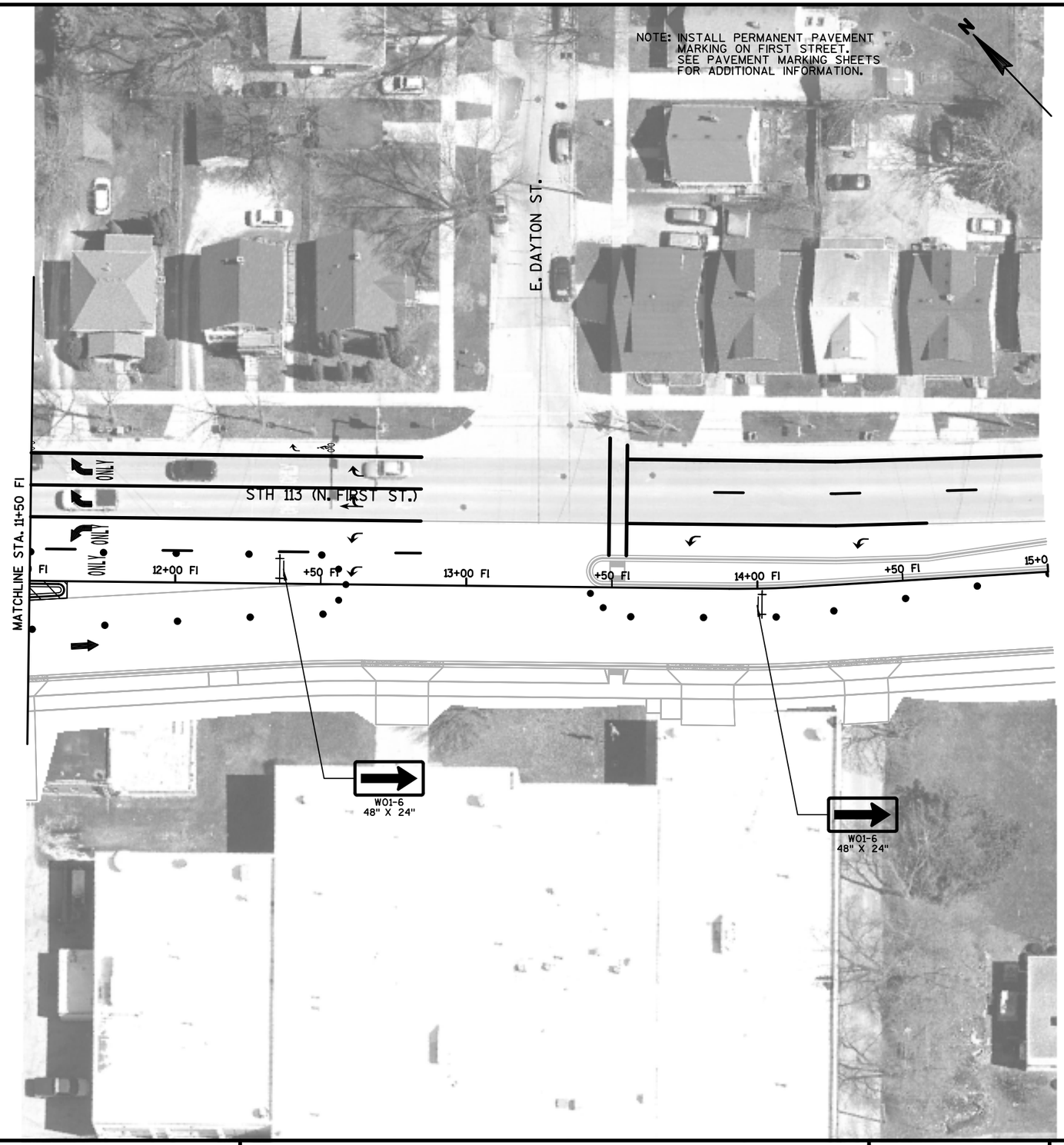
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026408_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 263 E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026411_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

NOTE: INSTALL PERMANENT PAVEMENT MARKING ON FIRST STREET. SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.

E. MIFFLIN ST.

ONLY

STH 113 (N. FIRST ST.)

MATCHLINE STA. 15+00 FI

0 FI +50 FI 16+00 FI +50 FI 17+00 FI +50 FI 18+00 FI +50 FI 19+00 FI

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026412_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

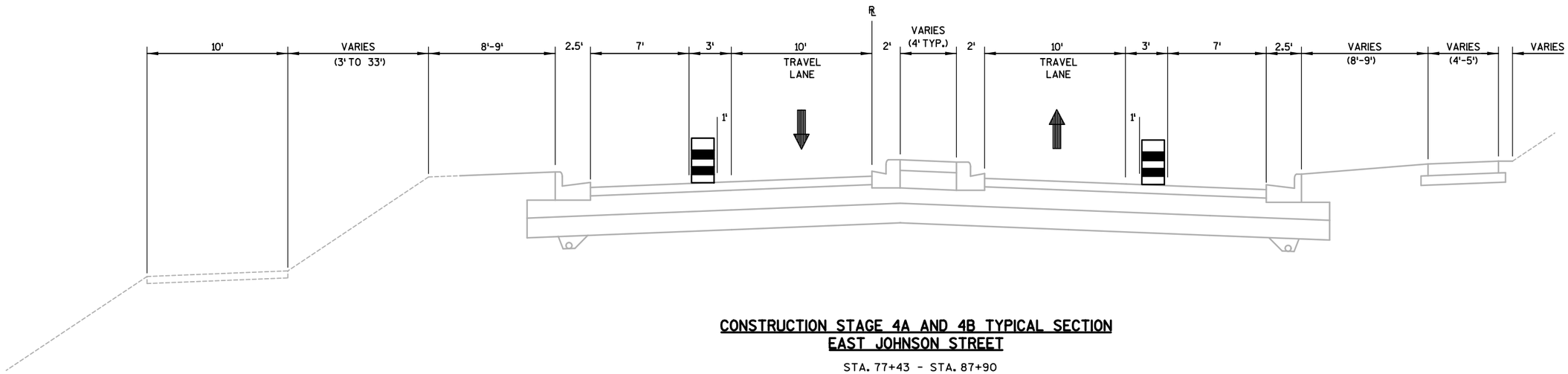
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026413_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



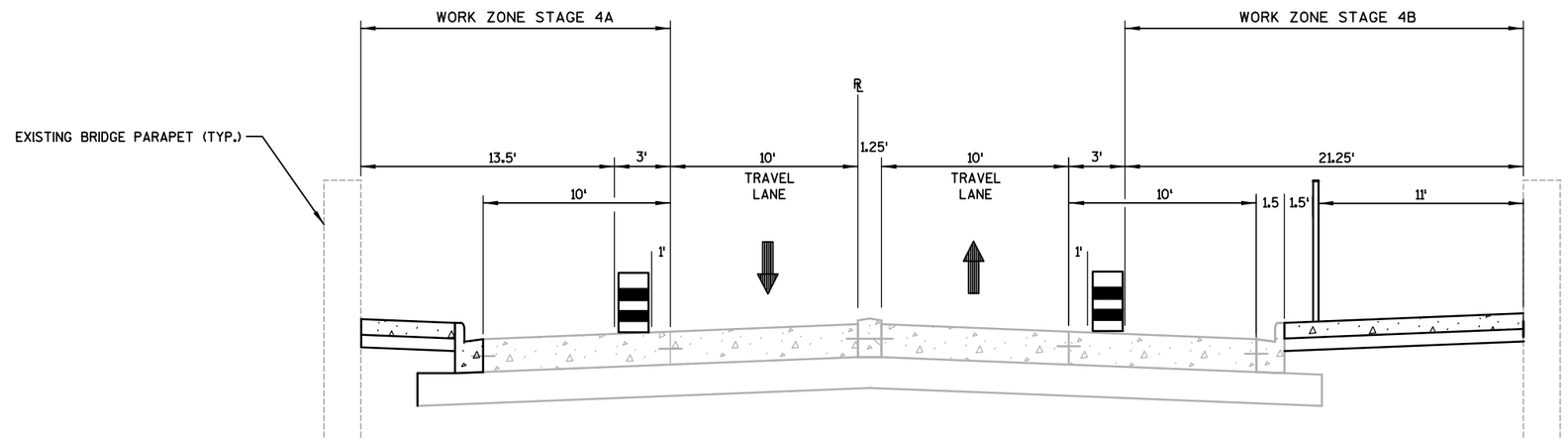
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026414_s4.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



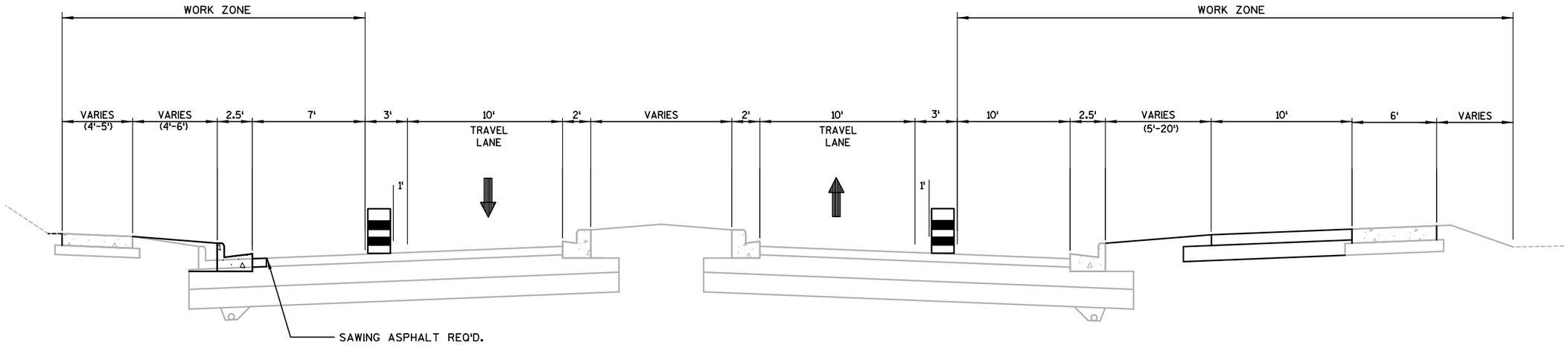
CONSTRUCTION STAGE 4A AND 4B TYPICAL SECTION
EAST JOHNSON STREET

STA. 77+43 - STA. 87+90

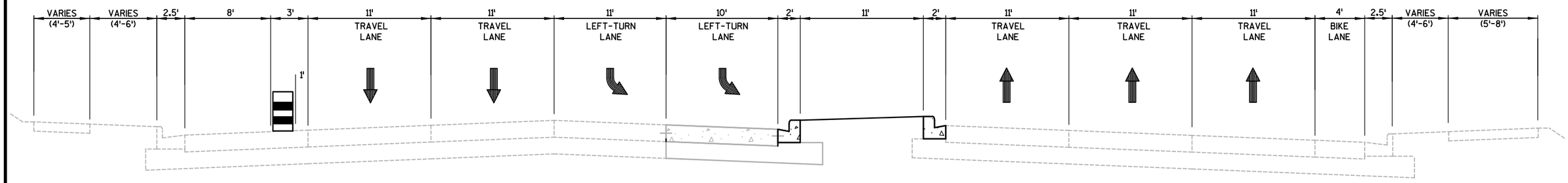


CONSTRUCTION STAGE 4A & 4B TYPICAL SECTION
EAST JOHNSON STREET

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)



CONSTRUCTION STAGE 4A AND 4B TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



CONSTRUCTION STAGE 4A AND 4B TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 4A & 4B	SHEET 269	E

2

TENNEY PARK LAGOON

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

8W

4W

81+00 +50 82+00 +50 83+00 +50 84+00 +50 85+00 +50 86+00

STA. 85+63
18.0' RT

STA. 84+38
28.0' RT

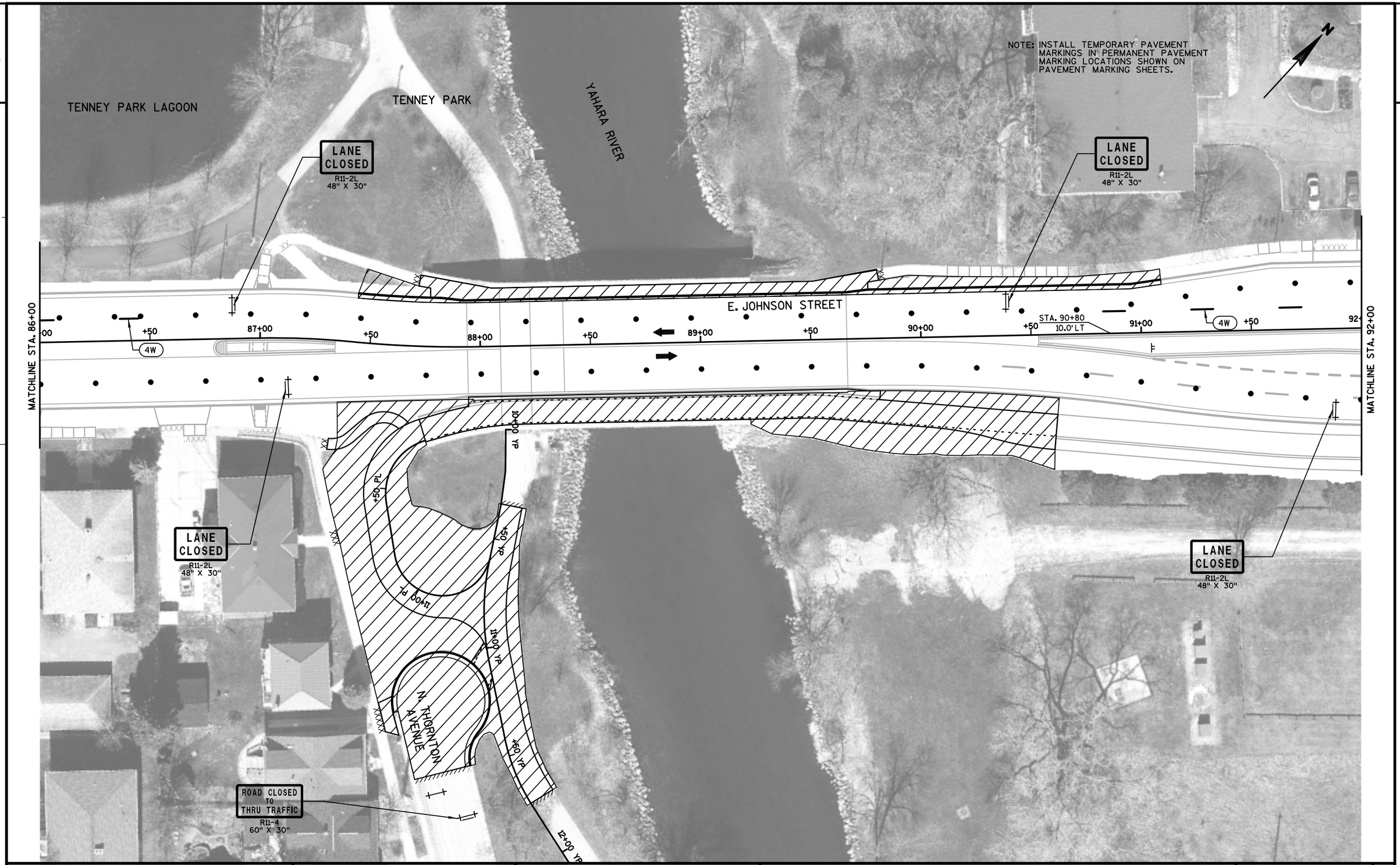
MATCHLINE STA. 86+00

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL,SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

N. DICKINSON ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\026504_s4ab.dgn PLOT DATE : 10/9/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026505_s4ab.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

SL-18

FORDEM AVE.

MATCHLINE STA. 12+00 F0

ONLY ONLY
R3-8D
36" X 30"

LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

MATCHLINE STA. 92+00

MATCHLINE STA. 98+00

STA. 93+44
10.0' LT

RR RR

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026506_s4ab.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

CANADIAN PACIFIC

ONLY ONLY
R3-8D
36" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

4W

STH 113

PERMANENT PAVEMENT MARKINGS

PERMANENT PAVEMENT MARKINGS

ONLY

ONLY

ONLY

MATCHLINE STA. 98+00

MATCHLINE STA. 104+00

99+00

100+00

101+00

102+00

103+00

+50

STH 113 (N. FIRST ST.)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET 273	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026507_s4ab.dgn PLOT DATE : 7/24/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



NOTE: INSTALL PERMANENT PAVEMENT MARKING. SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.

2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026508_s4ab.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL,SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA. 112+30
22.0' LT

STA. 110+50
11.0' LT

STH 113

RT-4W

MATCHLINE STA. 110+00

110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00 +50 115+00 +50 116

MATCHLINE STA. 116+00

W04-2R

W01-6
48" X 24"

STH 113

E. JOHNSON STREET

N. THIRD ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026509_s4ab.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026510_s4ab.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4A & 4B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026514_s4ab.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CITY OF MADISON

SIGN LEGEND

DETOUR ←	M4-9L 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ↰	M4-59L 30" X 30"	END DETOUR	M4-8A 24"X18"
		NORTH	M3-1 24" X 12"
		↑	M06-1 21"X21"

Fordem Ave — REFLECTIVE BACKGROUND APPROX. SIZE 36" X 12" BACKGROUND - ORANGE MESSAGE - BLACK 6" SERIES B LETTERS

LEGEND

●●● DETOUR ROUTE

WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

LAKE MENDOTA
SHERMAN AVE.
SHERMAN AVE.
WISCONSIN & SOUTHERN RAILROAD
CANADIAN PACIFIC RAILROAD
PACKERS AVE. (STH 113)
COMMERCIAL AVE.
PACKERS AVE. (STH 113)
DEMETRAL FIELD
DEMETRAL FIELD
MARSTON AVE.
TENNEY PARK
YAHARA RIVER
FORDEM AVE.
WORK ZONE
E. JOHNSON ST.
FEW ST.
BALDWIN ST.
DICKINSIN ST.
BURR JONES PARK
PENNSYLVANIA PARK
FIRST ST. (STH 113)
THIRD ST.
SIXTH ST.
E. WASHINGTON AVE. (USH 151)

END DETOUR

DETOUR
NORTH
Fordem Ave
↑

NORTH
Fordem Ave
DETOUR ←

NORTH
Fordem Ave
DETOUR ↰

DETOUR
NORTH
Fordem Ave
↑

NORTH
Fordem Ave

DETOUR AHEAD W20-2

DETOUR
NORTH
Fordem Ave
↑

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGES 2A & 2B DETOUR - NB FORDEM AVE.	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\027001_dt_Directional Detour Overview.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

CITY OF MADISON

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" X 30"	EAST	M3-2 24" X 12"
DETOUR ↱	M4-59R 30" X 30"	↑	M06-1 21"X21"

Johnson St — REFLECTIVE BACKGROUND, APPROX. SIZE 36" X 12", BACKGROUND - ORANGE, MESSAGE - BLACK, 6" SERIES B LETTERS

LEGEND

●●● DETOUR ROUTE

WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

LAKE MENDOTA

SHERMAN AVE.

SHERMAN AVE.

WISCONSIN & SOUTHERN RAILROAD

CANADIAN PACIFIC RAILROAD

PACKERS AVE. (STH 113)

COMMERCIAL AVE.

PACKERS AVE. (STH 113)

DEMETRAL FIELD

DEMETRAL FIELD

TENNEY PARK

YAHARA RIVER

FORDEM AVE.

WORK ZONE

E. JOHNSON ST.

BALDWIN ST.

DICKINSIN ST.

BURR JONES PARK

FIRST ST. (STH 113)

THIRD ST.

SIXTH ST.

E. WASHINGTON AVE. (USH 151)

EAST Johnson St DETOUR

DETOUR AHEAD W20-2

END DETOUR

DETOUR EAST Johnson St ↑

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGES 3 & 5A DETOUR OVERVIEW - EB E. JOHNSON ST.	SHEET E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\027002_dt_Directional Detour Overview.dgn PLOT DATE : 7/20/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

CITY OF MADISON

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" X 30"	WEST	M3-4 24" X 12"
DETOUR ↱	M4-59R 30" X 30"	↑	M06-1 21"X21"

Johnson St — REFLECTIVE BACKGROUND, APPROX. SIZE 36" X 12", BACKGROUND - ORANGE, MESSAGE - BLACK, 6" SERIES B LETTERS

LEGEND

●●● DETOUR ROUTE

WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

LAKE MENDOTA
SHERMAN AVE.
SHERMAN AVE.
WISCONSIN & SOUTHERN RAILROAD
CANADIAN PACIFIC RAILROAD
COMMERCIAL AVE.
PACKERS AVE. (STH 113)
PACKERS AVE. (STH 113)
DEMETRAL FIELD
DEMETRAL FIELD
TENNEY PARK
YAHARA RIVER
FORDEM AVE.
WORK ZONE
E. JOHNSON ST.
BALDWIN ST.
DICKINSIN ST.
BURR JONES PARK
FIRST ST. (STH 113)
THIRD ST.
SIXTH ST.
E. WASHINGTON AVE. (USH 151)
N

WEST Johnson St DETOUR ←
WEST Johnson St DETOUR ↰
WEST Johnson St
DETOUR AHEAD W20-2
END DETOUR
WEST Johnson St DETOUR →
WEST Johnson St DETOUR →
DETOUR WEST Johnson St ↑
WEST Johnson St DETOUR
DETOUR WEST Johnson St ↑
WEST Johnson St DETOUR ↱
WEST Johnson St
DETOUR AHEAD W20-2
WEST Johnson St DETOUR →
WEST Johnson St DETOUR
DETOUR WEST Johnson St ↑

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 5B DETOUR OVERVIEW - WB E. JOHNSON ST.	SHEET 280	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\027002a_dt_Directional Detour Overview.dgn PLOT DATE : 7/20/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR / END DETOUR	M4-8 24"X12" / M4-8A 24"X18"
DETOUR ←	M4-9L 30" X 24"	SOUTH ↑	M3-3 24" X 12"
DETOUR ↰	M4-59L 30" X 30"	↑	M06-1 21"X21"
DETOUR ↱	M4-59R 30" X 30"		

Fordem Ave — REFLECTIVE BACKGROUND
APPROX. SIZE 36" X 12"
BACKGROUND - ORANGE
MESSAGE - BLACK
6" SERIES B LETTERS

LEGEND

●●● DETOUR ROUTE

WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

N

LAKE MENDOTA

YAHARA RIVER

LOCKS & DAM

TENNEY PARK

BURROWS PARK

SHERMAN AVE

FORDEM AVE

WISCONSIN & SOUTHERN RR

CANADIAN PACIFIC RR

PENNSYLVANIA AVE

E JOHNSON ST

E WASHINGTON AVE

N PATERSON ST

N BREARLY ST

N INGERSOLL ST

N BALDWIN ST

N FIRST ST

EAST HIGH

DETOUR SOUTH Fordem Ave ↑

SOUTH Fordem Ave DETOUR →

SOUTH Fordem Ave DETOUR ←

SOUTH Fordem Ave DETOUR ↰

SOUTH Fordem Ave DETOUR ↱

END DETOUR

DETOUR AHEAD W20-2

WORK ZONE

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 5 DETOUR - SB FORDEM AVE.	SHEET 281 E

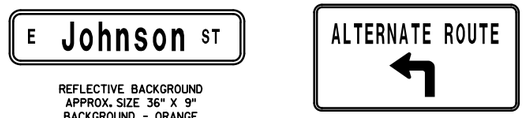
GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

LEGEND

ALTERNATE ROUTE

SIGN ATTACHED TIO WOOD POST OR TEMPORARY SUPPORT



REFLECTIVE BACKGROUND
APPROX. SIZE 36" X 9"
BACKGROUND - ORANGE
MESSAGE - BLACK
6" U.C. & 5" L.C. SERIES B LETTERS FOR "JOHNSON"
3" U.C. SERIES B LETTERS FOR "E" AND "ST"

REFLECTIVE BACKGROUND
APPROX. SIZE 30" X 24"
BACKGROUND - ORANGE
MESSAGE - BLACK
4" U.C. SERIES B LETTERS
12" DIRECTIONAL ARROW

LAKE MENDOTA

WORK ZONE

ALTERNATE ROUTE

LAKE MONONA



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ALTERNATE ROUTE SIGNING	SHEET 282	E

CURVE 1
P.I. = 81+24.38
Y = 488,669.74
X = 825,646.85
DELTA = 2° 56'56" (LT)
D = 2° 17'31"
T = 64.35'
L = 128.67'
R = 2,500.00'
P.C. = 80+60.03
Y = 488,627.59
X = 825,598.23
P.T. = 81+88.70
Y = 488,714.34
X = 825,693.24

CURVE 2
P.I. = 87+20.45
Y = 489,082.87
X = 826,076.58
DELTA = 6° 46'31" (RT)
D = 16° 22'13"
T = 20.72'
L = 41.39'
R = 350.00'
P.C. = 86+99.73
Y = 489,068.51
X = 826,061.65
P.R.C. = 87+41.12
Y = 489,095.36
X = 826,093.11

CURVE 3
P.I. = 87+70.98
Y = 489,113.37
X = 826,116.92
DELTA = 6° 50'07" (LT)
D = 11° 27'33"
T = 29.86'
L = 59.65'
R = 500.00'
P.R.C. = 87+41.12
Y = 489,095.36
X = 826,093.11
P.T. = 88+00.77
Y = 489,134.09
X = 826,138.43

CURVE 4
P.I. = 93+11.96
Y = 489,487.56
X = 826,507.71
DELTA = 5° 58'26" (RT)
D = 5° 43'46"
T = 52.18'
L = 104.26'
R = 1,000.00'
P.C. = 92+59.78
Y = 489,452.02
X = 826,469.50
P.C.C. = 93+64.05
Y = 489,518.93
X = 826,549.40

CURVE 5
P.I. = 94+05.54
Y = 489,543.89
X = 826,582.56
DELTA = 6° 15'04" (LT)
D = 7° 32'20"
T = 41.50'
L = 82.92'
R = 760.00'
P.C.C. = 93+64.05
Y = 489,518.93
X = 826,549.40
P.T. = 94+46.96
Y = 489,572.30
X = 826,612.80

CURVE 6
P.I. = 97+78.91
Y = 489,799.58
X = 826,854.73
DELTA = 1° 30'35" (LT)
D = 5° 33'46"
T = 13.57'
L = 27.14'
R = 1,030.00'
P.C. = 97+65.34
Y = 489,790.29
X = 826,844.84
P.T. = 97+92.48
Y = 489,809.13
X = 826,864.38

CURVE 7
P.I. = 105+97.26
Y = 490,379.15
X = 827,432.45
DELTA = 33° 58'45" (LT)
D = 23° 52'24"
T = 73.33'
L = 142.33'
R = 240.00'
P.C. = 105+23.93
Y = 490,326.89
X = 827,381.00
P.T. = 106+66.26
Y = 490,451.23
X = 827,445.90

CURVE 8
P.I. = 14+03.04 FI
Y = 489,674.74
X = 827,299.25
DELTA = 4° 09'39" (LT)
D = 16° 22'13"
T = 12.71'
L = 25.42'
R = 350.00'
P.C. = 13+90.33 FI
Y = 489,683.63
X = 827,290.16
P.T. = 14+15.74 FI
Y = 489,666.54
X = 827,308.96

CURVE 9
P.I. = 15+83.50 FI
Y = 489,558.28
X = 827,437.12
DELTA = 7° 06'32" (RT)
D = 15° 24'08"
T = 23.11'
L = 46.15'
R = 372.00'
P.C. = 15+60.40 FI
Y = 489,573.19
X = 827,419.46
P.T. = 16+06.55 FI
Y = 489,541.30
X = 827,452.79

CURVE 10
P.I. = 18+67.66 FI
Y = 489,352.87
X = 827,633.53
DELTA = 8° 13'48" (LT)
D = 5° 43'46"
T = 71.94'
L = 143.64'
R = 1,000.00'
P.C. = 17+95.71 FI
Y = 489,404.72
X = 827,583.66
P.T. = 19+39.35 FI
Y = 489,308.69
X = 827,690.32

CITY OF MADISON

CP 14 (CHISELED X)
STA. 77+09.16, 32.48' LT
Y = 488,422.24
X = 825,311.84

CP 1 (SPIKE)
STA. 78+06.59, 17.60' RT
Y = 488,448.29
X = 825,418.27

CP 18 (MAG NAIL)
STA. 80+50.22, 4.68' RT
Y = 488,617.63
X = 825,593.89

CP 5 (MAG NAIL)
STA. 89+63.47, 28.81' LT
Y = 489,267.72
X = 826,235.62

CP 6 (SPIKE)
STA. 93+04.77, 8.45' RT
Y = 489,475.48
X = 826,508.59

CP 8 (SPIKE)
STA. 14+87.49 FO, 30.30' LT
Y = 490,087.26
X = 826,651.08

CP 7 (MAG NAIL)
STA. 95+04.34, 48.26' RT
Y = 489,576.42
X = 826,687.66

CP 11 (CHISELED X)
STA. 89+38.96, 35.73' RT
Y = 489,204.24
X = 826,262.74

CP 12 (CHISELED X)
STA. 10+86.25 FI, 18.93' RT
Y = 489,882.65
X = 827,059.48

CP 9 (MAG NAIL)
STA. 13+49.57 FI, 61.12' LT
Y = 489,755.82
X = 827,303.74

CP 13 (CHISELED X)
STA. 18+56.90 FI, 47.29' RT
Y = 489,327.13
X = 827,595.39

P.I. STA. 74+12.80
Y = 488,203.27
X = 825,109.51

P.I. 77+43.47
Y = 488,420.24
X = 825,359.04

P.I. 81+24.38
Y = 488,669.74
X = 825,646.85

P.I. 87+70.98
Y = 489,113.37
X = 826,116.92

P.I. 87+20.45
Y = 489,082.87
X = 826,076.58

P.T. 88+00.77

P.C. 80+60.03

P.T. 81+88.70

P.C. 86+99.73

P.R.C. 87+41.12

P.I. 93+11.96
Y = 489,487.56
X = 826,507.71

P.I. 94+05.54
Y = 489,543.89
X = 826,582.56

P.T. 94+46.96

P.I. 92+17.61
Y = 489,423.29
X = 826,438.63

P.C. 92+59.78

P.R.C. 93+64.05

P.I. STA. 10+00.00 FO =
P.I. STA. 94+88.16
Y = 489,600.51
X = 826,642.83

P.I. 13+48.99 FO
Y = 489,948.26
X = 826,672.22

P.I. 15+55.84 FO
Y = 490,154.75
X = 826,683.25

P.I. 14+55.72 FO
Y = 490,054.67
X = 826,680.48

P.I. STA. 18+59.09 FO
Y = 490,457.07
X = 826,706.85

P.I. 97+78.91
Y = 489,799.58
X = 826,854.73

P.I. 99+60.44
Y = 489,927.32
X = 826,983.72

P.I. 100+74.86
Y = 490,006.87
X = 827,065.97

P.I. 101+81.10
Y = 490,082.58
X = 827,140.49

P.I. STA. 100+00.40 =
P.I. STA. 10+01.96 FI
Y = 489,955.11
X = 827,012.44

P.C. 13+90.33 FI

P.I. 14+03.04 FI
Y = 489,674.74
X = 827,299.25

P.C. 15+60.40 FI

P.I. 15+83.50 FI
Y = 489,558.28
X = 827,437.12

P.T. 16+06.55 FI

P.I. 16+24.39 FI
Y = 489,528.19
X = 827,464.89

P.C. 17+95.71 FI

P.I. 18+67.66 FI
Y = 489,352.87
X = 827,633.53

P.T. 19+39.35 FI

P.I. STA. 121+00.83
Y = 491,861.45
X = 827,709.09

P.C. 105+23.93

P.T. 106+66.26

P.I. 105+97.26
Y = 490,379.15
X = 827,432.45

P.I. 10+00.00 YP
Y = 489,113.81
X = 826,171.90

P.I. 10+19.04 YP
Y = 489,099.71
X = 826,184.70

P.I. 10+33.89 YP
Y = 489,087.56
X = 826,193.22

P.I. 10+83.89 YP
Y = 489,044.73
X = 826,219.04

P.T. 11+06.28 YP

P.I. 11+57.80 YP
Y = 489,001.26
X = 826,279.59

P.I. 11+79.58 YP
Y = 488,995.44
X = 826,300.94

P.I. 11+99.20 YP
Y = 488,990.57
X = 826,319.95

P.I. 12+18.78 YP
Y = 488,985.53
X = 826,338.87

P.I. 10+89.02 PL
Y = 488,963.84
X = 826,267.82

P.T. 11+80.04 PL

P.I. 11+65.95 PL
Y = 489,066.46
X = 826,137.02

P.C. 11+43.83 PL

P.T. 11+19.59 PL

P.C. 10+58.46 PL

P.C. 10+60.87 YP

P.T. 11+73.68 YP

P.C. 11+41.57 YP

P.C. 10+86.25 PL

P.T. 11+03.75 PL

P.I. 11+03.75 PL
Y = 488,963.84
X = 826,267.82

P.I. 11+65.95 PL
Y = 489,066.46
X = 826,137.02

P.I. 11+83.89 YP
Y = 489,044.73
X = 826,219.04

P.I. 11+57.80 YP
Y = 489,001.26
X = 826,279.59

P.I. 11+73.68 YP
Y = 488,995.44
X = 826,300.94

P.I. 11+99.20 YP
Y = 488,990.57
X = 826,319.95

P.I. 12+18.78 YP
Y = 488,985.53
X = 826,338.87

P.I. 11+65.95 PL
Y = 489,066.46
X = 826,137.02

P.I. 11+83.89 YP
Y = 489,044.73
X = 826,219.04

P.I. 11+57.80 YP
Y = 489,001.26
X = 826,279.59

P.I. 11+73.68 YP
Y = 488,995.44
X = 826,300.94

P.I. 11+99.20 YP
Y = 488,990.57
X = 826,319.95

P.I. 12+18.78 YP
Y = 488,985.53
X = 826,338.87

P.I. 10+89.02 PL
Y = 488,963.84
X = 826,267.82

P.I. 11+03.75 PL
Y = 488,963.84
X = 826,267.82

P.I. 11+19.59 PL
Y = 489,037.85
X = 826,173.49

P.I. 11+80.04 PL
Y = 489,085.40
X = 826,148.44

P.I. 11+43.83 PL
Y = 489,052.81
X = 826,154.42

P.I. 11+06.28 YP
Y = 489,031.31
X = 826,237.74

P.I. 10+60.87 YP
Y = 489,064.45
X = 826,207.16

P.I. 10+83.89 YP
Y = 489,044.73
X = 826,219.04

P.I. 11+41.57 YP
Y = 489,010.72
X = 826,266.41

P.I. 11+73.68 YP
Y = 488,996.99
X = 826,295.25

P.I. 11+03.75 PL
Y = 488,963.84
X = 826,267.82

P.I. 11+19.59 PL
Y = 489,037.85
X = 826,173.49

P.I. 11+80.04 PL
Y = 489,085.40
X = 826,148.44

P.I. 11+43.83 PL
Y = 489,052.81
X = 826,154.42

P.I. 11+06.28 YP
Y = 489,031.31
X = 826,237.74

P.I. 10+60.87 YP
Y = 489,064.45
X = 826,207.16

P.I. 10+83.89 YP
Y = 489,044.73
X = 826,219.04

P.I. 11+41.57 YP
Y = 489,010.72
X = 826,266.41

P.I. 11+73.68 YP
Y = 488,996.99
X = 826,295.25

SEE DETAIL A FOR ALIGNMENT INFORMATION

DETAIL A

P.I. 10+00.00 YP
Y = 489,113.81
X = 826,171.90

P.I. 10+19.04 YP
Y = 489,099.71
X = 826,184.70

P.I. 10+33.89 YP
Y = 489,087.56
X = 826,193.22

P.I. 10+83.89 YP
Y = 489,044.73
X = 826,219.04

P.T. 11+06.28 YP

P.I. 11+57.80 YP
Y = 489,001.26
X = 826,279.59

P.I. 11+73.68 YP
Y = 488,995.44
X = 826,300.94

P.I. 11+99.20 YP
Y = 488,990.57
X = 826,319.95

P.I. 12+18.78 YP
Y = 488,985.53
X = 826,338.87

P.I. 10+89.02 PL
Y = 488,963.84
X = 826,267.82

P.T. 11+80.04 PL

P.I. 11+65.95 PL
Y = 489,066.46
X = 826,137.02

P.C. 11+43.83 PL

P.T. 11+19.59 PL

P.C. 10+58.46 PL

P.C. 10+60.87 YP

P.C. 11+41.57 YP

CURVE 1
CURVE 2
CURVE 3
CURVE 4
CURVE 5
CURVE 6
CURVE 7
CURVE 8
CURVE 9
CURVE 10
CURVE 11
CURVE 12
CURVE 13
CURVE 14

N. BALDWIN ST.
MARSTON AVE.
TENNEY PARK
E. JOHNSON ST.
N. DICKINSON ST.
YAHARA RIVER
10+00 YP
FORDEM AVE.
WISCONSIN & SOUTHERN RAILROAD
STH 113
MATCH LINE STA. 103+00
STH 113 (FIRST STREET)
E. DAYTON ST.
E. MIFFLIN ST.
US 151 (E. WASHINGTON AVE.)

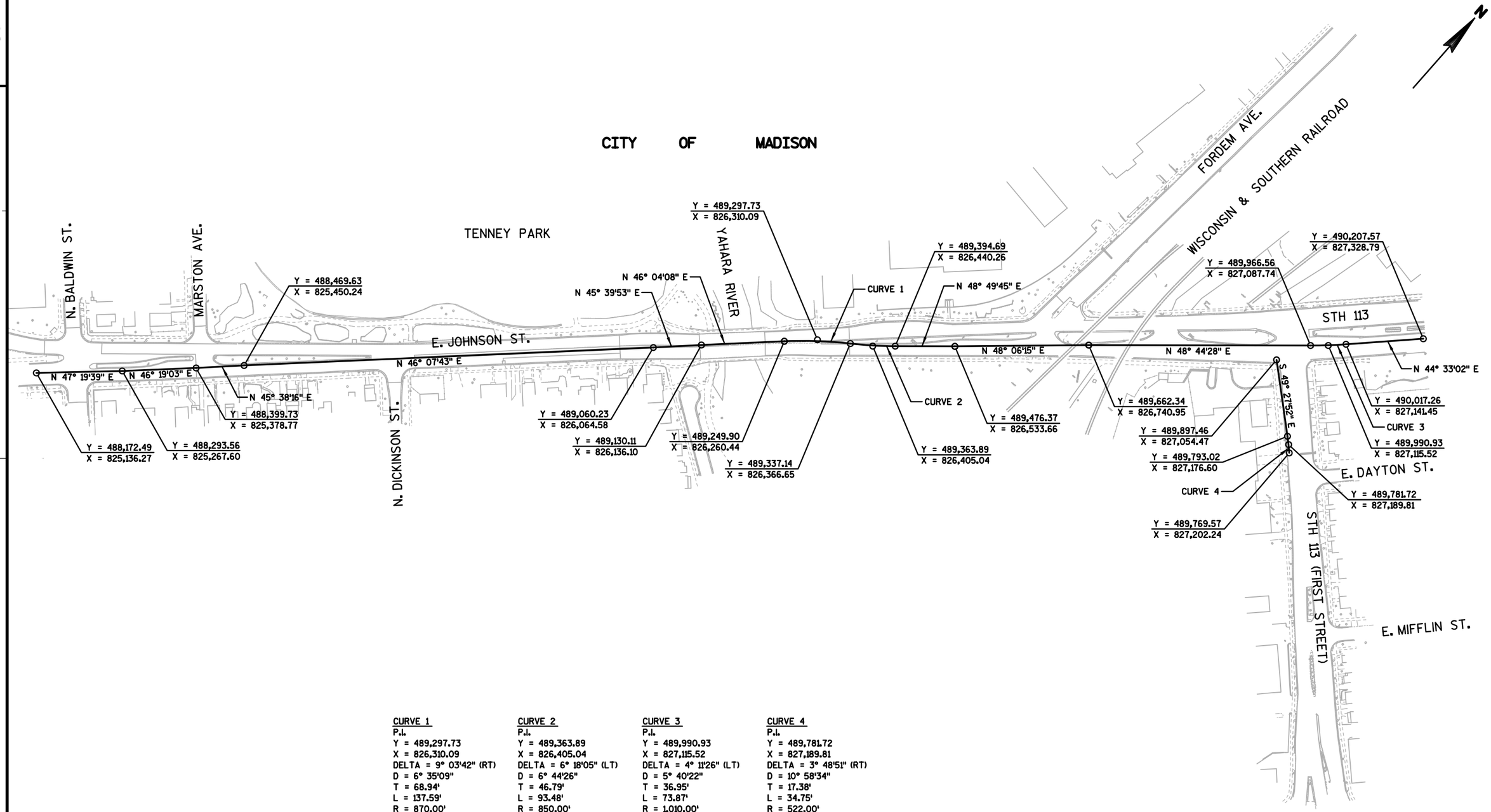
75+00
80+00
85+00
90+00
95+00
100+00
105+00
110+00
115+00

N 48° 59'36" E
N 49° 04'39" E
N 46° 07'43" E
N 46° 04'08" E
N 47° 03'55" E
N 46° 47'17" E
N 45° 16'43" E
N 44° 33'02" E
N 45° 57'15" E
S 45° 39'01" E
N 4° 49'50" E
N 4° 27'46" E
N 4° 26'27" E
N 1° 35'18" E
N 10° 34'17" E
S 42° 13'39" E
S 35° 02'20" E
S 31° 05'18" E
S 74° 45'38" E
S 75° 36'43" E
S 75° 05'11" E
N 51° 53'04" W
S 54° 19'11" E
S 42° 42'08" E
S 43° 53'19" E
S 49° 48'40" E

PROJECT NO: 5992-09-14	HWY: E. JOHNSON ST.	COUNTY: DANE	ALIGNMENT DATA AND CONTROL POINT SHEET	SHEET 283 E

2

CITY OF MADISON



CURVE 1
P.I.
Y = 489,297.73
X = 826,310.09
DELTA = 9° 03'42" (RT)
D = 6° 35'09"
T = 68.94'
L = 137.59'
R = 870.00'
P.C.
Y = 489,249.90
X = 826,260.44
P.R.C.
Y = 489,337.14
X = 826,366.65

CURVE 2
P.I.
Y = 489,363.89
X = 826,405.04
DELTA = 6° 18'05" (LT)
D = 6° 44'26"
T = 46.79'
L = 93.48'
R = 850.00'
P.R.C.
Y = 489,337.14
X = 826,366.65
P.T.
Y = 489,394.69
X = 826,440.26

CURVE 3
P.I.
Y = 489,990.93
X = 827,115.52
DELTA = 4° 11'26" (LT)
D = 5° 40'22"
T = 36.95'
L = 73.87'
R = 1,010.00'
P.C.
Y = 489,966.56
X = 827,087.74
P.T.
Y = 490,017.26
X = 827,141.45

CURVE 4
P.I.
Y = 489,781.72
X = 827,189.81
DELTA = 3° 48'51" (RT)
D = 10° 58'34"
T = 17.38'
L = 34.75'
R = 522.00'
P.C.
Y = 489,793.02
X = 827,176.60
P.T.
Y = 489,769.57
X = 827,202.24

PROJECT NO: 5992-09-14	HWY: E. JOHNSON ST.	COUNTY: DANE	EASTBOUND AND FIRST STREET PROFILE GRADE LINES DATA SHEET	SHEET 284	E

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0002	201.0105	Clearing	STA	5.000	5.000		
0004	201.0120	Clearing	ID	237.000	237.000		
0006	201.0205	Grubbing	STA	5.000	5.000		
0008	201.0220	Grubbing	ID	261.000	261.000		
0010	204.0100	Removing Pavement	SY	19,571.000	19,571.000		
0012	204.0110	Removing Asphaltic Surface	SY	1,080.000	1,080.000		
0014	204.0150	Removing Curb & Gutter	LF	2,140.000	2,140.000		
0016	204.0155	Removing Concrete Sidewalk	SY	2,585.000	2,585.000		
0018	204.0170	Removing Fence	LF	70.000	70.000		
0020	204.0185	Removing Masonry	CY	4.000	4.000		
0022	204.0195	Removing Concrete Bases	EACH	40.000	40.000		
0024	204.0210	Removing Manholes	EACH	4.000	4.000		
0026	204.0220	Removing Inlets	EACH	37.000	37.000		
0028	204.0245	Removing Storm Sewer (size) 001. 10-Inch to 24-Inch	LF	675.000	675.000		
0030	204.0245	Removing Storm Sewer (size) 002. 27-Inch to 36-Inch	LF	10.000	10.000		
0032	204.0260	Abandoning Inlets	EACH	2.000	2.000		
0034	204.0291.S	Abandoning Sewer	CY	2.600	2.600		
0036	205.0100	Excavation Common	CY	19,851.000	19,851.000		
0038	210.1100	Backfill Structure Type A	CY	15.000	15.000		
0040	211.0100	Prepare Foundation for Asphaltic Paving (project) 001. ID 5992-09-14	LS	1.000	1.000		
0042	213.0100	Finishing Roadway (project) 001. ID 5992-09-14	EACH	1.000	1.000		
0044	305.0110	Base Aggregate Dense 3/4-Inch	TON	263.000	263.000		
0046	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	12,344.000	12,344.000		
0048	305.0130	Base Aggregate Dense 3-Inch	TON	9,105.000	9,105.000		
0050	310.0110	Base Aggregate Open-Graded	TON	72.000	72.000		
0052	312.0110	Select Crushed Material	TON	10,183.000	10,183.000		
0054	405.1000	Stamping Colored Concrete	CY	95.000	95.000		
0056	415.0090	Concrete Pavement 9-Inch	SY	450.000	450.000		
0058	415.0100	Concrete Pavement 10-Inch	SY	4,135.000	4,135.000		
0060	415.0210	Concrete Pavement Gaps	EACH	4.000	4.000		
0062	415.0410	Concrete Pavement Approach Slab	SY	130.000	130.000		
0064	415.4100	Concrete Pavement Joint Filling	SY	5,675.000	5,675.000		
0066	415.5110.S	Concrete Pavement Joint Layout 001. ID 5992-09-14	LS	1.000	1.000		
0068	416.0170	Concrete Driveway 7-Inch	SY	634.000	634.000		
0070	416.0610	Drilled Tie Bars	EACH	605.000	605.000		
0072	416.0620	Drilled Dowel Bars	EACH	105.000	105.000		
0074	450.4000	HMA Cold Weather Paving	TON	1,947.000	1,947.000		
0076	455.0605	Tack Coat	GAL	664.000	664.000		
0078	460.2000	Incentive Density HMA Pavement	DOL	3,190.000	3,190.000		

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0080	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	14,266.000	14,266.000		
0082	460.5224	HMA Pavement 4 LT 58-28 S	TON	286.000	286.000		
0084	460.6223	HMA Pavement 3 MT 58-28 S	TON	2,880.000	2,880.000		
0086	460.6424	HMA Pavement 4 MT 58-28 H	TON	1,805.000	1,805.000		
0088	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	33.000	33.000		
0090	465.0125	Asphaltic Surface Temporary	TON	520.000	520.000		
0092	465.0310	Asphaltic Curb	LF	678.000	678.000		
0094	495.1000.S	Cold patch	TON	5.000	5.000		
0096	502.0100	Concrete Masonry Bridges	CY	7.000	7.000		
0098	502.3200	Protective Surface Treatment	SY	32.000	32.000		
0100	502.4204	Adhesive Anchors No. 4 Bar	EACH	30.000	30.000		
0102	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	310.000	310.000		
0104	509.0301	Preparation Decks Type 1	SY	5.000	5.000		
0106	509.0302	Preparation Decks Type 2	SY	2.000	2.000		
0108	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	50.000	50.000		
0110	509.2000	Full-Depth Deck Repair	SY	1.000	1.000		
0112	509.2100.S	Concrete Masonry Deck Repair	CY	1.000	1.000		
0114	513.2001	Railing Pipe	LF	210.000	210.000		
0116	520.8000	Concrete Collars for Pipe	EACH	26.000	26.000		
0118	601.0600	Concrete Curb Pedestrian	LF	30.000	30.000		
0120	602.0410	Concrete Sidewalk 5-Inch	SF	16,305.000	16,305.000		
0122	602.0420	Concrete Sidewalk 7-Inch	SF	11,435.000	11,435.000		
0124	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	469.000	469.000		
0126	608.0110	Relaid Storm Sewer 10-Inch	LF	6.000	6.000		
0128	608.0112	Relaid Storm Sewer 12-Inch	LF	6.000	6.000		
0130	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	542.000	542.000		
0132	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,555.000	1,555.000		
0134	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	203.000	203.000		
0136	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	6.000	6.000		
0138	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	12.000	12.000		
0140	611.0535	Manhole Covers Type J-Special	EACH	13.000	5.000	8.000	
0142	611.0612	Inlet Covers Type C	EACH	1.000	1.000		
0144	611.0624	Inlet Covers Type H	EACH	66.000	66.000		
0146	611.0627	Inlet Covers Type HM	EACH	1.000	1.000		
0148	611.0639	Inlet Covers Type H-S	EACH	10.000	10.000		
0150	611.0642	Inlet Covers Type MS	EACH	3.000	3.000		

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0152	611.0666	Inlet Covers Type Z	EACH	1.000	1.000		
0154	611.2004	Manholes 4-FT Diameter	EACH	3.000	3.000		
0156	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000		
0158	611.3003	Inlets 3-FT Diameter	EACH	1.000	1.000		
0160	611.3004	Inlets 4-FT Diameter	EACH	11.000	11.000		
0162	611.3230	Inlets 2x3-FT	EACH	67.000	67.000		
0164	611.3901	Inlets Median 1 Grate	EACH	3.000	3.000		
0166	611.8110	Adjusting Manhole Covers	EACH	9.000	9.000		
0168	611.8115	Adjusting Inlet Covers	EACH	19.000	19.000		
0170	611.8120.S	Cover Plates Temporary	EACH	18.000	14.000		4.000
0172	611.9710	Salvaged Inlet Covers	EACH	4.000	4.000		
0174	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,345.000	1,345.000		
0176	612.0902.S	Insulation Board Polystyrene (inch) 001. 2-Inch	SY	13.000		13.000	
0178	616.0700.S	Fence Safety	LF	2,930.000	2,930.000		
0180	618.0100	Maintenance And Repair of Haul Roads (project) 001. ID 5992-09-14	EACH	1.000	1.000		
0182	619.1000	Mobilization	EACH	1.000	0.800	0.100	0.100
0184	620.0100	Concrete Corrugated Median	SF	900.000	900.000		
0186	620.0300	Concrete Median Sloped Nose	SF	916.000	916.000		
0188	623.0200	Dust Control Surface Treatment	SY	23,040.000	23,040.000		
0190	624.0100	Water	MGAL	403.000	403.000		
0192	625.0100	Topsoil	SY	7,770.000	7,770.000		
0194	627.0200	Mulching	SY	8,700.000	8,700.000		
0196	628.1504	Silt Fence	LF	2,210.000	2,210.000		
0198	628.1520	Silt Fence Maintenance	LF	8,530.000	8,530.000		
0200	628.1905	Mobilizations Erosion Control	EACH	11.000	11.000		
0202	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	7.000		
0204	628.2006	Erosion Mat Urban Class I Type A	SY	2,218.000	2,218.000		
0206	628.7005	Inlet Protection Type A	EACH	105.000	105.000		
0208	628.7010	Inlet Protection Type B	EACH	1.000	1.000		
0210	628.7015	Inlet Protection Type C	EACH	74.000	74.000		
0212	628.7020	Inlet Protection Type D	EACH	43.000	43.000		
0214	628.7560	Tracking Pads	EACH	13.000	13.000		
0216	629.0210	Fertilizer Type B	CWT	10.500	10.500		
0218	630.0140	Seeding Mixture No. 40	LB	33.000	33.000		
0220	630.0200	Seeding Temporary	LB	11.000	11.000		
0222	630.0300	Seeding Borrow Pit	LB	120.000	120.000		
0224	631.0300	Sod Water	MGAL	146.000	146.000		
0226	631.1000	Sod Lawn	SY	6,375.000	6,375.000		
0228	637.2210	Signs Type II Reflective H	SF	290.850	290.850		

					5992-09-14	5992-09-15	5992-09-16
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0230	637.2220	Signs Type II Reflective SH	SF	4.690	4.690		
0232	637.2230	Signs Type II Reflective F	SF	144.030	144.030		
0234	638.2102	Moving Signs Type II	EACH	25.000	25.000		
0236	638.4100	Moving Structural Steel Sign Supports	EACH	1.000	1.000		
0238	642.5401	Field Office Type D	EACH	1.000	1.000		
0240	643.0300	Traffic Control Drums	DAY	108,757.000	108,757.000		
0242	643.0420	Traffic Control Barricades Type III	DAY	20,054.000	20,054.000		
0244	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	334.000	334.000		
0246	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	305.000	305.000		
0248	643.0705	Traffic Control Warning Lights Type A	DAY	31,570.000	31,570.000		
0250	643.0715	Traffic Control Warning Lights Type C	DAY	15,157.000	15,157.000		
0252	643.0800	Traffic Control Arrow Boards	DAY	634.000	634.000		
0254	643.0900	Traffic Control Signs	DAY	54,355.000	54,355.000		
0256	643.0920	Traffic Control Covering Signs Type II	EACH	13.000	13.000		
0258	643.1050	Traffic Control Signs PCMS	DAY	235.000	235.000		
0260	643.5000	Traffic Control	EACH	1.000	1.000		
0262	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	1,000.000	1,000.000		
0264	644.1601.S	Temporary Curb Ramp	EACH	9.000	9.000		
0266	644.1616.S	Temporary Pedestrian Safety Fence	LF	1,535.000	1,535.000		
0268	645.0140	Geotextile Type SAS	SY	760.000	760.000		
0270	646.1020	Marking Line Epoxy 4-Inch	LF	5,026.000	5,026.000		
0272	646.3020	Marking Line Epoxy 8-Inch	LF	3,064.000	3,064.000		
0274	646.5020	Marking Arrow Epoxy	EACH	38.000	38.000		
0276	646.5120	Marking Word Epoxy	EACH	12.000	12.000		
0278	646.5220	Marking Symbol Epoxy	EACH	12.000	12.000		
0280	646.5305	Marking Railroad Crossing Paint	EACH	9.000	9.000		
0282	646.5320	Marking Railroad Crossings Epoxy	EACH	5.000	5.000		
0284	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,039.000	1,039.000		
0286	646.8020	Marking Corrugated Median Epoxy	SF	313.000	313.000		
0288	646.8120	Marking Curb Epoxy	LF	334.000	334.000		
0290	646.8220	Marking Island Nose Epoxy	EACH	20.000	20.000		
0292	646.9000	Marking Removal Line 4-Inch	LF	880.000	880.000		
0294	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	1,730.000	1,730.000		
0296	646.9100	Marking Removal Line 8-Inch	LF	16.000	16.000		
0298	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	465.000	465.000		
0300	646.9200	Marking Removal Line Wide	LF	110.000	110.000		
0302	646.9300	Marking Removal Special Marking	EACH	6.000	6.000		
0304	646.9310	Marking Removal Special Marking Water Blasting	EACH	24.000	24.000		
0306	649.0105	Temporary Marking Line Paint 4-Inch	LF	16,496.000	16,496.000		
0308	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	17,313.000	17,313.000		

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0310	649.0205	Temporary Marking Line Paint 8-Inch	LF	2,492.000	2,492.000		
0312	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	2,405.000	2,405.000		
0314	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	389.000	389.000		
0316	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	70.000	70.000		
0318	650.4000	Construction Staking Storm Sewer	EACH	88.000	88.000		
0320	650.4500	Construction Staking Subgrade	LF	6,940.000	6,940.000		
0322	650.5000	Construction Staking Base	LF	5,270.000	5,270.000		
0324	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	7,524.000	7,524.000		
0326	650.7000	Construction Staking Concrete Pavement	LF	1,670.000	1,670.000		
0328	650.8500	Construction Staking Electrical Installations (project) 001. ID 5992-09-14	LS	1.000	1.000		
0330	650.9000	Construction Staking Curb Ramps	EACH	38.000	38.000		
0332	650.9910	Construction Staking Supplemental Control (project) 001. ID 5992-09-14	LS	1.000	1.000		
0334	650.9920	Construction Staking Slope Stakes	LF	6,940.000	6,940.000		
0336	652.0215	Conduit Rigid Nonmetallic Schedule 40 1 1/4-Inch	LF	843.000	843.000		
0338	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	4,062.000	4,062.000		
0340	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	10,620.000	10,620.000		
0342	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,724.000	1,724.000		
0344	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	4,072.000	4,072.000		
0346	652.0800	Conduit Loop Detector	LF	814.000	814.000		
0348	653.0905	Removing Pull Boxes	EACH	20.000	20.000		
0350	654.0110	Concrete Bases Type 10	EACH	4.000	4.000		
0352	655.0230	Cable Traffic Signal 5-14 AWG	LF	2,883.000	2,883.000		
0354	655.0240	Cable Traffic Signal 7-14 AWG	LF	511.000	511.000		
0356	655.0250	Cable Traffic Signal 9-14 AWG	LF	1,392.000	1,392.000		
0358	655.0260	Cable Traffic Signal 12-14 AWG	LF	411.000	411.000		
0360	655.0615	Electrical Wire Lighting 10 AWG	LF	4,574.000	4,574.000		
0362	655.0620	Electrical Wire Lighting 8 AWG	LF	7,540.000	7,540.000		
0364	655.0625	Electrical Wire Lighting 6 AWG	LF	22,620.000	22,620.000		
0366	655.0800	Loop Detector Wire	LF	2,140.000	2,140.000		
0368	656.0200	Electrical Service Meter Breaker Pedestal (location) 001. Fordem Avenue	LS	1.000	1.000		
0370	656.0200	Electrical Service Meter Breaker Pedestal (location) 002. First Street	LS	1.000	1.000		
0372	657.0100	Pedestal Bases	EACH	11.000	11.000		
0374	657.0345	Poles Type 9	EACH	4.000	4.000		
0376	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	2.000	2.000		
0378	657.0410	Traffic Signal Standards Aluminum 9-FT	EACH	3.000	3.000		
0380	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	4.000	4.000		
0382	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	3.000	3.000		

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0384	657.0525	Monotube Arms 25-FT	EACH	2.000	2.000		
0386	657.0530	Monotube Arms 30-FT	EACH	2.000	2.000		
0388	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	1.000	1.000		
0390	658.0500	Pedestrian Push Buttons	EACH	14.000	14.000		
0392	658.5069	Signal Mounting Hardware (location) 001. Fordem Avenue	LS	1.000	1.000		
0394	658.5069	Signal Mounting Hardware (location) 002. First Street	LS	1.000	1.000		
0396	659.1115	Luminaires Utility LED A	EACH	21.000	21.000		
0398	659.1120	Luminaires Utility LED B	EACH	18.000	18.000		
0400	674.0300	Remove Cable	LF	1,170.000	1,170.000		
0402	677.9051.S	Removing 50-FT Camera Pole	EACH	1.000	1.000		
0404	677.9200.S	Removing CCTV Camera	EACH	1.000	1.000		
0406	690.0150	Sawing Asphalt	LF	2,608.000	2,608.000		
0408	690.0250	Sawing Concrete	LF	6,109.000	6,109.000		
0410	715.0415	Incentive Strength Concrete Pavement	DOL	1,589.000	1,589.000		
0412	715.0502	Incentive Strength Concrete Structures	DOL	500.000	500.000		
0414	715.0710	Optimized Aggregate Gradation Incentive	DOL	5,650.000	5,650.000		
0416	740.0440	Incentive IRI Ride	DOL	3,530.000	3,530.000		
0418	801.0117	Railroad Flagging Reimbursment	DOL	24,000.000	24,000.000		
0420	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,600.000	1,600.000		
0422	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	850.000	850.000		
0424	SPV.0025	Special 001. Polyester Polymer Concrete Overlay with Milling	CF	86.000	86.000		
0426	SPV.0035	Special 100. Abandon Sanitary Sewer-Slurry	CY	34.800		34.800	
0428	SPV.0060	Special 001. Root Pruning Trees	EACH	10.000	10.000		
0430	SPV.0060	Special 002. Precast Sign Post Base	EACH	56.000	56.000		
0432	SPV.0060	Special 003. Sign Post Base for Concrete Installation	EACH	9.000	9.000		
0434	SPV.0060	Special 004. Erecting City Owned Signs	EACH	6.000	6.000		
0436	SPV.0060	Special 005. Storm Sewer Tap	EACH	1.000	1.000		
0438	SPV.0060	Special 006. Inlet Covers Type DW	EACH	6.000	6.000		
0440	SPV.0060	Special 007. Slurry Backfill	EACH	12.000	5.000	7.000	
0442	SPV.0060	Special 008. Street Light Removal	EACH	26.000	26.000		
0444	SPV.0060	Special 009. Pruning Tree	EACH	4.000	4.000		
0446	SPV.0060	Special 010. Locate and Reference Property Corners	EACH	2.000	2.000		
0448	SPV.0060	Special 011. Reset Property Corners	EACH	2.000	2.000		
0450	SPV.0060	Special 012. Removing Pole Mounted Cabinet	EACH	1.000	1.000		
0452	SPV.0060	Special 013. Removing Communications Vault	EACH	1.000	1.000		
0454	SPV.0060	Special 050. Lighting Control Cabinet	EACH	1.000	1.000		
0456	SPV.0060	Special 051. Poles 30-FT 11 Gauge, Single Simplex	EACH	20.000	20.000		
0458	SPV.0060	Special 052. Poles 30-FT 11 Gauge, Twin Simplex	EACH	4.000	4.000		

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0460	SPV.0060	Special 053. Poles 30-FT 7 Gauge, Single Simplex	EACH	1.000	1.000		
0462	SPV.0060	Special 054. Poles 30-FT 7 Gauge, Twin Simplex	EACH	1.000	1.000		
0464	SPV.0060	Special 055. Poles 20-FT 7 Gauge	EACH	4.000	4.000		
0466	SPV.0060	Special 056. Arm 10 FT, Simplex	EACH	29.000	29.000		
0468	SPV.0060	Special 057. Arm 4 FT, Simplex	EACH	1.000	1.000		
0470	SPV.0060	Special 058. Electrical Pullbox, Type I	EACH	23.000	23.000		
0472	SPV.0060	Special 059. Electrical Pullbox, Type III	EACH	5.000	5.000		
0474	SPV.0060	Special 060. Electrical Pullbox, Type V	EACH	3.000	3.000		
0476	SPV.0060	Special 061. Electrical Pullbox, Type VII	EACH	6.000	6.000		
0478	SPV.0060	Special 062. Electrical Utility Access Structure	EACH	7.000	7.000		
0480	SPV.0060	Special 063. Concrete Base Type G	EACH	8.000	8.000		
0482	SPV.0060	Special 064. Concrete Base Type LB-3	EACH	29.000	29.000		
0484	SPV.0060	Special 065. Concrete Base Type LB-8	EACH	12.000	12.000		
0486	SPV.0060	Special 066. Concrete Base Type P	EACH	2.000	2.000		
0488	SPV.0060	Special 067. Concrete Base Type M	EACH	1.000	1.000		
0490	SPV.0060	Special 068. Concrete Base Offset	EACH	6.000	6.000		
0492	SPV.0060	Special 069. Transformer Base 16-Inch Steel	EACH	3.000	3.000		
0494	SPV.0060	Special 070. Transformer Base 20-Inch Steel	EACH	2.000	2.000		
0496	SPV.0060	Special 071. Traffic Signal Control Cabinet	EACH	2.000	2.000		
0498	SPV.0060	Special 072. Traffic Signal Controller	EACH	2.000	2.000		
0500	SPV.0060	Special 073. Malfunction Management Unit (MMU)	EACH	2.000	2.000		
0502	SPV.0060	Special 074. Traffic Signal Ethernet Switch	EACH	2.000	2.000		
0504	SPV.0060	Special 075. Traffic Signal Trombone Arms Aluminum 12-Foot	EACH	2.000	2.000		
0506	SPV.0060	Special 076. Traffic Signal Trombone Arms Aluminum 15-Foot	EACH	3.000	3.000		
0508	SPV.0060	Special 077. Traffic Signal Trombone Arms Aluminum 18-Foot	EACH	1.000	1.000		
0510	SPV.0060	Special 078. Traffic Signal Trombone Arms Aluminum 22-Foot	EACH	2.000	2.000		
0512	SPV.0060	Special 079. Traffic Signal Heads 12-Inch, 3-Section	EACH	35.000	35.000		
0514	SPV.0060	Special 080. Traffic Signal Heads 12-Inch, 4-Section	EACH	5.000	5.000		
0516	SPV.0060	Special 081. Traffic Signal Heads 16-Inch Pedestrian with Countdown	EACH	14.000	14.000		
0518	SPV.0060	Special 082. Backplates Signal Face, 3-Section 12-Inch	EACH	34.000	34.000		
0520	SPV.0060	Special 083. Backplates Signal Face, 4-Section 12-Inch	EACH	5.000	5.000		
0522	SPV.0060	Special 100. Utility Line Opening (ULO)	EACH	35.000	31.000	2.000	2.000
0524	SPV.0060	Special 101. Sewer Electronic Markers	EACH	38.000			38.000
0526	SPV.0060	Special 102. Sanitary Lateral Reconnect	EACH	22.000			22.000
0528	SPV.0060	Special 103. Sanitary Sewer Tap	EACH	7.000			7.000
0530	SPV.0060	Special 104. Sanitary Sewer Access Structure (4-Foot	EACH	7.000			7.000

					5992-09-14	5992-09-15	5992-09-16
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
		Diameter)					
0532	SPV.0060	Special 105. Sanitary Sewer Access Structure (5-Foot Diameter)	EACH	1.000			1.000
0534	SPV.0060	Special 106. External Sewer Access Structure Joint Seal	EACH	8.000			8.000
0536	SPV.0060	Special 107. Sanitary Sewer Internal Chimney Seal	EACH	1.000			1.000
0538	SPV.0060	Special 108. Remove Sanitary Sewer Access Structure	EACH	11.000			11.000
0540	SPV.0060	Special 109. Adjust Sanitary Sewer Access Structure Special	EACH	1.000			1.000
0542	SPV.0060	Special 110. Abandon Sanitary Sewer Access Structure	EACH	9.000			9.000
0544	SPV.0060	Special 111. Abandon Sanitary Sewer-Pipe Plug	EACH	13.000			13.000
0546	SPV.0060	Special 112. Sanitary Sewer Cleanout	EACH	1.000			1.000
0548	SPV.0060	Special 113. Furnish and Install Hydrant	EACH	6.000		6.000	
0550	SPV.0060	Special 114. Cut Off Existing Water Main	EACH	17.000		17.000	
0552	SPV.0060	Special 115. Abandon Water Valve Box	EACH	15.000		15.000	
0554	SPV.0060	Special 116. Abandon Hydrant	EACH	5.000		5.000	
0556	SPV.0060	Special 117. Adjust Water Valve Box	EACH	24.000	6.000	18.000	
0558	SPV.0060	Special 118. Furnish & Install 4-Inch Water Valve	EACH	2.000		2.000	
0560	SPV.0060	Special 119. Furnish & Install 6-Inch Water Valve	EACH	5.000		5.000	
0562	SPV.0060	Special 120. Furnish & Install 8-Inch Water Valve	EACH	1.000		1.000	
0564	SPV.0060	Special 121. Furnish & Install 12-Inch Water Valve	EACH	10.000		10.000	
0566	SPV.0060	Special 122. Reconnect Water Service Laterals, 1-Inch	EACH	13.000		13.000	
0568	SPV.0060	Special 123. Reconnect Water Service Laterals, 1.5-Inch	EACH	2.000		2.000	
0570	SPV.0060	Special 124. Cut-In Connection	EACH	16.000		14.000	2.000
0572	SPV.0060	Special 125. Clay Trench Plugs	EACH	4.000		4.000	
0574	SPV.0060	Special 126. Reconstruct MMSD Sanitary Sewer Structure	EACH	3.000	3.000		
0576	SPV.0090	Special 001. Concrete Curb & Gutter 18-Inch Type A Special	LF	320.000	320.000		
0578	SPV.0090	Special 002. Concrete Curb & Gutter 24-Inch Type A Special	LF	2,202.000	2,202.000		
0580	SPV.0090	Special 003. Concrete Curb & Gutter 24-Inch Type D Special	LF	2,759.000	2,759.000		
0582	SPV.0090	Special 004. Concrete Curb & Gutter 30-Inch Type A Special	LF	275.000	275.000		
0584	SPV.0090	Special 005. Concrete Curb & Gutter 30-Inch Type D Special	LF	4,422.000	4,422.000		
0586	SPV.0090	Special 006. Concrete Curb & Gutter 30-Inch Type D Mountable Special	LF	47.000	47.000		
0588	SPV.0090	Special 007. Concrete Curb & Gutter 30-Inch Type AX Special	LF	13.000	13.000		

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0590	SPV.0090	Special 008. Concrete Curb & Gutter 30-Inch Type DX Special	LF	71.000	71.000		
0592	SPV.0090	Special 009. Sign Post	LF	323.000	323.000		
0594	SPV.0090	Special 010. Reflective Sign Post	LF	106.000	106.000		
0596	SPV.0090	Special 011. Marking Line Epoxy 6-Inch	LF	1,942.000	1,942.000		
0598	SPV.0090	Special 012. Marking Crosswalk Epoxy Transverse Line 12-Inch	LF	155.000	155.000		
0600	SPV.0090	Special 013. Marking Crosswalk Epoxy Transverse Line 18-Inch	LF	77.000	77.000		
0602	SPV.0090	Special 014. Marking Crosswalk Epoxy Ladder Pattern 18-Inch	LF	545.000	545.000		
0604	SPV.0090	Special 015. Marking Stop Line Epoxy 24-Inch	LF	362.000	362.000		
0606	SPV.0090	Special 016. Concrete Curb Type A Special	LF	195.000	195.000		
0608	SPV.0090	Special 050. Fiber Optic Cable 144-Count	LF	4,670.000	4,670.000		
0610	SPV.0090	Special 051. Electrical Wire Lighting 14-3 UF Grounded	LF	1,044.000	1,044.000		
0612	SPV.0090	Special 052. Loop Detector Lead-In Cable Special	LF	4,045.000	4,045.000		
0614	SPV.0090	Special 100. Water Main 24-Inch Casing Pipe	LF	150.000		150.000	
0616	SPV.0090	Special 101. Sanitary Sewer Lateral	LF	324.000			324.000
0618	SPV.0090	Special 102. Sanitary Sewer Pipe PVC, 12-Inch	LF	988.000			988.000
0620	SPV.0090	Special 103. Sanitary Sewer Pressure Pipe (C900), 8-Inch	LF	36.000			36.000
0622	SPV.0090	Special 104. Sanitary Sewer Pressure Pipe (C900), 10-Inch	LF	89.000			89.000
0624	SPV.0090	Special 105. Sanitary Sewer Pressure Pipe (C900), 12-Inch	LF	250.000			250.000
0626	SPV.0090	Special 106. Select Fill for Sanitary Sewer	LF	1,687.000			1,687.000
0628	SPV.0090	Special 107. Furnish and Install Water Main Pipe & Fittings, 4-Inch	LF	39.000		39.000	
0630	SPV.0090	Special 108. Furnish and Install Water Main Pipe & Fittings, 6-Inch	LF	153.000		153.000	
0632	SPV.0090	Special 109. Furnish and Install Water Main Pipe & Fittings, 8-Inch	LF	50.000		50.000	
0634	SPV.0090	Special 110. Furnish and Install Water Main Pipe & Fittings, 12-Inch	LF	2,078.000		2,078.000	
0636	SPV.0090	Special 111. Select Fill for Water Main	LF	2,320.000		2,320.000	
0638	SPV.0105	Special 001. Temporary Traffic Signals East Johnson Street-Fordem Avenue	LS	1.000	1.000		
0640	SPV.0105	Special 002. Temporary Traffic Signals East Johnson Street-First Street	LS	1.000	1.000		
0642	SPV.0105	Special 003. Temporary Lighting	LS	1.000	1.000		
0644	SPV.0105	Special 004. Temporary Traffic Signal Pole East Johnson Street-Baldwin Street	LS	1.000	1.000		

					5992-09-14	5992-09-15	5992-09-16
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**
0646	SPV.0105	Special 005. Optical Signal Preempt	LS	1.000	1.000		
0648	SPV.0105	Special 101. Project Dewatering ID 5992-09-14	LS	1.000	1.000		
0650	SPV.0105	Special 102. Project Dewatering ID 5992-09-15	LS	1.000		1.000	
0652	SPV.0105	Special 103. Project Dewatering ID 5992-09-16	LS	1.000			1.000
0654	SPV.0105	Special 104. Construction Staking Water Main	LS	1.000		1.000	
0656	SPV.0105	Special 105. Wastewater Control	LS	1.000			1.000
0658	SPV.0105	Special 106. Construction Staking Sanitary Sewer	LS	1.000			1.000
0660	SPV.0120	Special 001. Water for Seeded Areas	MGAL	240.000	240.000		
0662	SPV.0165	Special 001. Colored Crosswalk	SF	1,340.000	1,340.000		
0664	SPV.0170	Special 001. Pavement Cleanup	STA	75.000	75.000		
0666	SPV.0180	Special 001. Asphaltic Surface Temporary Wedging	SY	810.000	810.000		
0668	SPV.0180	Special 002. Shredded Hardwood Bark Mulch, 3-Inch Depth	SY	95.000	95.000		
0670	SPV.0180	Special 003. Reinforced Concrete Pavement 9-Inch	SY	580.000	580.000		
0672	SPV.0195	Special 001. Excavating, Loading, Hauling, and Landfill Trmt or Disposal of Ctmd Soil	TON	1,245.000	900.000	345.000	
0674	SPV.0200	Special 100. Construct Outside Drop, 8-Inch	VF	6.500			6.500
0676	SPV.0200	Special 101. Construct Inside Drop, 6-Inch	VF	4.700			4.700

CLEARING AND GRUBBING

CATEGORY	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	79+38	RT	---	24	---	24
	81+99	LT	---	---	---	14
	82+03	LT	---	---	---	10
	84+75	RT	---	30	---	30
	84+95	LT	---	12	---	12
	85+05	LT	---	12	---	12
	85+18	RT	---	24	---	24
	85+26	LT	---	18	---	18
	*90+60 - 94+25	RT	5	---	5	---
	97+19	RT	---	8	---	8
	97+71	RT	---	8	---	8
	99+42	RT	---	15	---	15
	11+71 FI	RT	---	3	---	3
	12+06 FI	RT	---	3	---	3
	13+04 FI	RT	---	3	---	3
	13+05 FI	RT	---	18	---	18
	14+10 FI	RT	---	3	---	3
	14+10 FI	RT	---	12	---	12
	14+65 FI	RT	---	3	---	3
	15+14 FI	LT	---	4	---	4
	15+28 FI	RT	---	3	---	3
	15+84 FI	RT	---	4	---	4
	10+95 YP	RT	---	30	---	30
		TOTALS	5	237	5	261

*PRIOR TO CLEARING AND GRUBBING AT THIS LOCATION STAKE OUT THE PROPOSED EDGE OF SIDEWALK AND COORDINATE ACTUAL CLEARING AND GRUBBING LIMITS WITH THE ENGINEER.

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION - STATION	LOCATION	204.0110 SY	REMARKS
0010	74+97.07 - 81+00	RT	720	---
	81+00 - 86+50	LT/RT	20	---
	10+00 YP - 11+73.68 YP	RT	190	---
	STAGE 4 (ALL STATIONS)	LT/RT	150	FOR REMOVING 1-FOOT WIDE STRIP TO INSTALL CURB & GUTTER
		TOTAL	1,080	

ROOT PRUNING TREES

CATEGORY	STATION	LOCATION	SPV.0060.001 EACH
0010	76+48	RT	1
	77+42	RT	1
	77+81	RT	1
	78+70	MEDIAN	1
	80+83	RT	1
	81+12	RT	1
	83+61	RT	1
	11+12 FO	LT	1
	UNDISTRIBUTED	---	2
		TOTAL	10

PRUNING TREE

CATEGORY	STATION	LOCATION	SPV.0060.009 EACH
0010	82+47	51' RT	1
	83+21	58' RT	1
	90+81	40' LT	1
	91+27	49' LT	1
		TOTAL	4

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	*204.0150 LF
0010	74+97.07 - 81+00	RT	230
	81+00 - 86+50	RT	10
	86+50 - 94+00	RT	---
	94+00 - 99+44.28	LT/RT	230
	99+44.28 - 104+86.50	LT/RT	440
	11+19 FI - 16+06.55 FI	RT	55
	10+00 YP - 11+73.68 YP	RT	210
		TOTAL	1,175

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PAVEMENT

CATEGORY	STATION - STATION	LOCATION	204.0100 SY	REMARKS
0010	74+97.07 - 81+00	LT/RT	2,700	ROADWAY
	76+03.68 - 76+21.16	RT	15	DRIVEWAY
	76+62.48 - 76+75.10	RT	10	DRIVEWAY
	77+49.06 - 77+64.19	RT	10	DRIVEWAY
	78+30.39 - 78+45.23	RT	15	DRIVEWAY
	78+98.11 - 79+27.87	RT	25	DRIVEWAY
	79+40.01 - 79+54.54	RT	10	DRIVEWAY
	79+62.08 - 79+74.67	RT	10	DRIVEWAY
	80+60.68 - 80+69.48	RT	6	DRIVEWAY
	81+00 - 86+50	LT/RT	3,400	ROADWAY
	83+85.33 - 83+99.00	RT	10	DRIVEWAY
	84+03.47 - 84+18.19	RT	10	DRIVEWAY
	85+84.45 - 85+99.19	RT	10	DRIVEWAY
	86+50 - 94+00	LT/RT	4,700	ROADWAY
	86+51.33 - 86+77.74	RT	20	DRIVEWAY
	94+00 - 99+44.28	LT/RT	4,350	ROADWAY
	94+37.96 - 94+73.90	RT	15	DRIVEWAY
	97+72.70 - 98+13.20	LT	15	DRIVEWAY
	98+60.13 - 98+99.02	RT	15	DRIVEWAY
	99+44.28 - 104+86.50	LT/RT	2,300	ROADWAY
	100+03.76 - 100+40.36	LT	15	DRIVEWAY
	11+19 FI - 16+06.55 FI	LT/RT	1,650	ROADWAY
	11+20.08 FI - 11+59.76 FI	RT	40	DRIVEWAY
	12+65.20 FI - 12+94.16 FI	RT	80	DRIVEWAY
	13+67.20 FI - 13+94.90 FI	RT	95	DRIVEWAY
	14+24.61 FI - 14+50.46 FI	RT	45	DRIVEWAY
		TOTAL	19,571	

REMOVALS

CATEGORY	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH	*204.0210 REMOVING MANHOLES EACH	SPV.0060.008 STREET LIGHT REMOVAL EACH
0010	77+92.0	27.4 L	1	-	-	1
	77+95.6	26.4 L	-	1	-	-
	84+29.2	24.7 L	1	-	-	1
	85+56.4	34.0 R	1	-	-	1
	86+82.7	26.9 L	1	-	-	1
	87+62.8	25.2 L	-	1	-	-
	87+78.9	34.0 R	1	-	-	1
	89+81.1	24.3 L	1	-	-	1
	90+77.9	24.4 L	-	-	1	-
	90+79.2	8.5 R	-	1	-	-
	90+63.9	38.7 R	1	-	-	1
	90+79.2	40.4 R	-	1	-	-
	91+59.9	32.6 L	1	-	-	1
	92+43.5	47.1 R	1	-	-	1
	93+51.5	29.3 L	1	-	-	1
	94+28.4	43.6 R	1	-	-	1
	94+72.4	1.9 L	-	1	-	-
	94+75.2	1.3 L	1	-	-	-
	94+76.4	43.6 R	-	1	-	-
	94+80.4	45.3 R	1	-	-	-
	95+18.5	46.0 R	1	-	-	-
	94+71.7	36.5 L	-	-	1	-
	94+90.5	47.5 L	1	-	-	1
	95+40.2	48.8 L	1	-	-	1
	95+99.4	55.0 L	-	1	-	-
	96+5.2	50.1 L	1	-	-	-
	96+15.9	38.9 L	1	-	-	-
	95+57.1	1.0 L	-	1	-	-
	95+54.9	4.8 R	1	-	-	-
	95+84.3	48.1 R	-	-	1	-
	95+89.8	49.4 R	1	-	-	1
	96+55.7	36.8 L	-	1	-	-
	97+03.7	36.6 L	1	-	-	1
	97+27.9	58.4 R	1	-	-	1
	98+38.2	36.2 L	1	-	-	1
	98+53.6	68.8 R	1	-	-	1
	99+67.2	36.2 L	1	-	-	1
	99+89.2	34.5 L	1	-	-	-
	100+43.8	37.3 L	-	1	-	-
	100+47.6	38.5 L	1	-	-	-
	100+71.2	36.9 L	1	-	-	-
	100+87.6	36.8 L	1	-	-	1
	100+75.4	19.7 R	1	-	-	-
	99+65.6	30.7 R	-	1	-	-
	99+74.8	79.3 R	-	1	-	-
	99+77.3	81.2 R	1	-	-	1
	99+89.8	114.2 R	-	1	-	-
	99+89.8	116.9 R	1	-	-	-
	99+93.8	100.0 R	1	-	-	1
	100+62.5	94.7 R	-	1	-	-
	100+60.7	92.0 R	1	-	-	-
	100+75.9	77.8 R	1	-	-	1
	100+71.6	19.1 R	1	-	-	-
	100+80.4	18.0 R	-	1	-	-
	100+86.2	17.7 R	-	1	-	-
	100+95.9	14.8 R	-	1	-	-
	102+96.8	14.7 R	-	1	-	-
	12+40.0 FI	8.0 R	1	-	-	1
	13+64.2 FI	9.2 R	1	-	-	1
	14+0.7 FI	7.5 R	-	1	-	-
	14+96.8 FI	20.7 R	1	-	-	1
	15+41.4 FI	24.9 R	-	1	-	-
	TOTALS		39	20	3	26

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*204.0155 SY
0010	74+97.07 - 81+00	LT/RT	310
	81+00 - 86+50	LT/RT	235
	86+50 - 94+00	LT/RT	600
	94+00 - 99+44.28	LT/RT	620
	99+44.28 - 104+86.50	LT/RT	215
	11+19 FI - 16+06.55 FI	LT/RT	335
	10+00 YP - 11+73.68 YP	LT/RT	90
	SUBTOTAL		2,405
	UNDISTRIBUTED		120
		TOTAL	2,525

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING FENCE

CATEGORY	STATION	LOCATION	204.0170 LF	REMARKS
0010	96+04 - 96+13	LT	20	CHAIN LINK FENCE
	98+04 - 98+50	RT	50	WOOD FENCE
		TOTAL	70	

STORM SEWER REMOVAL ITEMS

CATEGORY	STATION - STATION	LOCATION	*204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	REMOVING STORM SEWER 204.0245.001 10-INCH TO 24-INCH LF	REMOVING STORM SEWER 204.0245.002 27-INCH TO 36-INCH LF	204.0260 ABANDONING INLETS EACH	204.0291.S ABANDONING SEWER (12-INCH) CY
0010	74+97.07 - 81+00	LT/RT	---	2	15	---	1	0.5
	81+00 - 86+50	LT/RT	---	8	110	---	1	0.4
	86+50 - 94+00	LT/RT	---	6	120	---	---	---
	94+00 - 99+44.28	LT/RT	---	9	190	---	---	0.5
	99+44.28 - 104+86.50	LT/RT	1	4	65	10	---	1.2
	11+19 FI - 16+06.55 FI	LT/RT	---	5	110	---	---	---
	10+00 YP - 11+73.68 YP	LT/RT	---	3	65	---	---	---
		TOTALS	1	37	675	10	2	2.6

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING MASONRY

CATEGORY	LOCATION	204.0185 CY	REMARKS
0010	UNDISTRIBUTED	4	FOR REMOVAL OF MISC. ABANDONED STRUCTURES IF ENCOUNTERED

TEMPORARY WIDENING & CROSSOVER SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	*204.0150 REMOVING CURB & GUTTER LF	*205.0100 EXCAVATION COMMON CY	*204.0155 REMOVING CONCRETE SIDEWALK SY	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	*465.0310 ASPHALTIC CURB LF	*611.8115 ADJUSTING INLET COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.9710 SALVAGED INLET COVERS EACH	*628.2006 EROSION MAT URBAN CLASS I TYPE A SY	630.0200 SEEDING TEMPORARY LB	*SPV.0060.006 INLET COVERS TYPE DW EACH	*SPV.0060.117 ADJUST WATER VALVE BOX EACH	*690.0150 SAWING ASPHALT LF	*690.0250 SAWING CONCRETE LF	REMARKS
0010	STAGE 1A	100+51 - 101+30	RT	110	40	---	55	15	---	---	---	1	80	2.1	1	---	---	120	SE QUAD. FIRST ST.
	STAGE 1A	16+98 FI - 17+79 FI	LT	160	40	30	60	20	---	---	---	---	---	---	---	1	---	180	FIRST ST. MEDIAN
	STAGE 1B	75+73 - 76+77	RT	150	50	30	75	25	---	---	---	1	25	0.7	1	2	100	10	CROSS-OVER
	STAGE 1B	94+00 - 94+85	LT/RT	140	45	---	70	25	---	---	---	---	10	0.3	---	---	---	150	E. JOHNSON ST. MEDIAN
	STAGE 1B	101+75 - 103+01	RT	85	50	---	70	25	---	---	---	---	20	0.6	---	---	---	90	CROSS-OVER
	STAGE 1B	104+12 - 106+87	RT	320	160	---	240	75	---	---	1	2	55	1.5	1	---	---	330	CROSS-OVER
	STAGE 2	77+44 - 87+69	RT	---	30	---	45	90	---	---	6	---	70	1.9	---	---	---	45	E. JOHNSON ST. MEDIAN
	STAGE 2	87+45 - 91+10	LT	---	25	---	35	40	360	---	---	---	80	2.1	---	---	---	---	E. JOHNSON ST. WIDENING
	STAGE 2	93+03 - 94+78	LT	---	40	---	60	35	180	---	---	---	35	1.0	---	---	---	---	E. JOHNSON ST. WIDENING
	STAGE 2	99+44 - 100+74	LT/RT	---	110	---	160	110	30	1	---	---	25	0.7	1	---	---	---	FIRST ST. TEMPO. PAVE. (4 TOTAL)
	STAGE 2A	94+99 - 95+49	RT	---	20	---	35	10	---	---	---	---	3	0.1	---	---	---	50	E. JOHNSON ST. MEDIAN
	STAGE 2A	95+27 - 95+77	LT	---	---	---	---	15	---	---	3	---	---	---	---	---	---	---	FORDEM AVE. MEDIAN
	STAGE 3	10+84 FI - 11+63 FI	RT	---	30	---	45	15	---	---	2	---	---	---	---	---	---	---	FIRST ST. MEDIAN
	STAGE 3A	10+23 FI - 11+85 FI	LT	---	35	---	55	20	---	---	2	---	---	---	---	---	---	---	FIRST ST. MEDIAN
		TOTALS		965	675	60	1,005	520	570	1	14	4	403	11.0	4	3	100	975	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVAL QUANTITIES SHOWN ABOVE ARE THOSE THAT ARE OUTSIDE THE PROJECT'S RECONSTRUCTION LIMITS

WHERE ASPHALTIC SURFACE TEMPORARY IS ABOVE PROPOSED ROADWAY AGGREGATE USE BASE AGGREGATE DENSE FOR THE PERMANENT ROADWAY

EARTHWORK

CATEGORY	STAGE	LOCATION	STATION - STATION	*205.0100 EXCAVATION COMMON (1) CUT (2) CY	*205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) 20% OF CUT CY	SALVAGED PAVEMENT MATERIAL CY	AVAILABLE MATERIAL (4) CY	EXPANDED EBS BACKFILL (5) FACTOR 1.25 CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR 1.25 CY	MASS ORDINATE +/- (7)	WASTE (8) CY	*312.0110 SELECT CRUSHED MATERIAL (9) TON	*624.0100 WATER (FOR DUST CONTROL) MGAL
0010	STAGE 1A	FIRST STREET TEMP. PAVE.	--- - ---	89	22	13	76	28	0	0	76	104	53	1
			SUBTOTALS (STAGE 1A)	89	22	13	76	28	0	0	76	104	53	1
	STAGE 1B	EAST JOHNSON STREET	--- - ---	701	130	47	654	126	0	0	654	780	240	2
			SUBTOTALS (STAGE 1B)	701	130	47	654	126	0	0	654	780	240	2
	STAGE 2	EAST JOHNSON STREET	75+48 - 101+03	5,749	1,137	2,185	3,564	1,421	299	374	3,190	4,611	2,700	14
		FIRST STREET	10+73 FI - 16+07 FI	1,904	381	145	1,759	476	0	0	1,759	2,235	904	5
			SUBTOTALS (STAGE 2)	7,653	1,518	2,330	5,323	1,897	299	374	4,949	6,846	3,604	19
	STAGE 3	EAST JOHNSON STREET	77+45 - 101+50	6,207	1,238	2,051	4,156	1,548	494	617	3,539	5,087	2,941	15
		FIRST STREET	10+73 FI - 16+07 FI	442	88	378	64	111	10	13	51	162	211	2
			SUBTOTALS (STAGE 3)	6,649	1,326	2,429	4,220	1,659	504	630	3,590	5,249	3,152	17
	STAGE 4	EAST JOHNSON STREET	77+50 - 104+50	681	136	0	681	170	46	57	624	794	323	2
		FIRST STREET	10+83 FI - 12+50 FI	46	9	31	15	11	0	0	15	26	21	1
		YP LINE	10+34 YP - 11+74 YP	175	32	0	175	40	7	9	166	206	76	1
		PL LINE	10+58 PL - 11+80 PL	8	2	0	8	2	167	209	-201	-199	4	1
			SUBTOTALS (STAGE 4)	910	179	31	879	223	220	275	604	827	424	5
			TOTALS	16,002	3,175	4,850	11,152	3,933	1,023	1,279	9,873	13,806	7,473	44
			ITEM TOTALS		19,176									

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
4) AVAILABLE MATERIAL = CUT - SALVAGED PAVEMENT MATERIAL.
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) EXPANDED FILL = (UNEXPANDED FILL)* EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.
7) MASS ORDINATE: MASS ORDINATE = CUT - SALVAGED PAVEMENT MATERIAL - EXPANDED FILL
PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
8) WASTE = MASS ORDINATE + EXPANDED EBS BACKFILL
9) SELECT CRUSHED MATERIAL IS USED FOR BACKFILL OF EBS.

BACKFILL STRUCTURE TYPE A

CATEGORY	STATION - STATION	LOCATION	210.1100 CY
0010	88+61 - 88+91	RT/LT	15

CONCRETE DRIVEWAY 7-INCH

CATEGORY	STATION	OFFSET	416.0170 SY
0010	76+11	RT	9
	76+68	RT	15
	77+55	RT	20
	78+39	RT	20
	79+10	RT	30
	79+46	RT	20
	79+70	RT	25
	80+66	RT	15
	82+81	RT	30
	83+93	RT	15
	84+11	RT	15
	85+92	RT	10
	86+64	RT	25
	94+42	RT	35
	98+20	LT	60
	98+80	RT	45
	100+22	LT	20
	11+37 FI	RT	35
	12+78 FI	RT	50
	13+83 FI	RT	40
	14+35 FI	RT	35
	SUBTOTAL (0010)		569
0020	94+42	RT	30
	98+80	RT	35
	SUBTOTAL (0020)		65
	TOTAL		634

BASE AGGREGATE DENSE

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	*312.0110 SELECT CRUSHED MATERIAL TON	*624.0100 WATER (FOR COMPACTION) MGAL	(FOR DUST CONTROL) MGAL
0010	STAGE 1B	99+44.28 - 104+86.50	RT/LT	---	320	---	---	5	1
		SUBTOTALS (STAGE 1B)		0	320	0	0	5	1
	STAGE 2	74+97.07 - 81+00	RT/LT	---	770	950	---	26	2
		81+00 - 86+50	RT/LT	---	770	960	---	26	2
		86+50 - 94+00	RT/LT	---	1,050	1,000	---	31	3
		94+00 - 99+44.28	RT/LT	---	870	1,100	---	29	2
		99+44.28 - 104+86.50	RT/LT	---	330	---	710	5	1
		11+19 FI - 16+06.55 FI	RT/LT	---	690	---	920	10	2
		SUBTOTALS (STAGE 2)		0	4,480	4,010	1,630	127	12
	STAGE 2A	94+00 - 99+44.28	RT/LT	---	150	190	---	5	1
		SUBTOTALS (STAGE 2A)		0	150	190	0	5	1
	STAGE 2B	86+50 - 94+00	RT/LT	---	35	45	---	1	1
		94+00 - 99+44.28	RT/LT	---	250	310	---	9	1
		SUBTOTALS (STAGE 2B)		0	285	355	0	10	2
	STAGE 3	74+97.07 - 81+00	RT/LT	---	790	930	---	26	2
		81+00 - 86+50	RT/LT	---	840	1,050	---	28	2
		86+50 - 94+00	RT/LT	---	1,150	1,150	---	34	3
		94+00 - 99+44.28	RT/LT	---	1,050	1,300	---	36	3
		99+44.28 - 104+86.50	RT/LT	---	95	---	180	1	1
		11+19 FI - 16+06.55 FI	RT/LT	---	300	---	---	4	1
		SUBTOTALS (STAGE 3)		0	4,225	4,430	180	129	12
	STAGE 3B	99+44.28 - 104+86.50	RT/LT	---	120	---	310	2	1
		SUBTOTALS (STAGE 3B)		0	120	0	310	2	1
	STAGE 3C	99+44.28 - 104+86.50	RT/LT	---	150	---	390	2	1
		11+19 FI - 16+06.55 FI	RT/LT	---	9	---	20	1	1
		SUBTOTALS (STAGE 3C)		0	159	0	410	3	2
	STAGE 3D	99+44.28 - 104+86.50	RT/LT	---	75	---	180	1	1
		SUBTOTALS (STAGE 3D)		0	75	0	180	1	1
	STAGE 4	74+97.07 - 81+00	RT/LT	---	25	30	---	1	1
		SUBTOTALS (STAGE 4)		0	25	30	0	1	1
	STAGE 4B	10+00 YP - 11+73.68 YP	RT/LT	---	80	90	---	3	1
		SUBTOTALS (STAGE 4B)		0	80	90	0	3	1
	SIDEWALK / DRIVEWAY	74+97.07 - 81+00	RT/LT	40	60	---	---	1	1
		81+00 - 86+50	RT/LT	45	30	---	---	1	1
		86+50 - 94+00	RT/LT	55	70	---	---	2	1
		94+00 - 99+44.28	RT/LT	40	300	---	---	5	1
		99+44.28 - 104+86.50	RT/LT	15	15	---	---	1	1
		11+19 FI - 16+06.55 FI	RT/LT	55	90	---	---	2	1
		10+00 YP - 11+73.68 YP	RT/LT	---	6	---	---	1	1
		UNDISTRIBUTED SIDEWALK		13	---	---	---	1	1
		SUBTOTALS (SIDEWALK / DRIVEWAY)		263	571	0	0	14	8
		SUBTOTALS (0010)		263	10,490	9,105	2,710	300	42

CON'T NEXT PAGE

CON'T FROM PREVIOUS

BASE AGGREGATE DENSE

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	*312.0110 SELECT CRUSHED MATERIAL TON	*624.0100 WATER (FOR COMPACTION) MGAL	*624.0100 WATER (FOR DUST CONTROL) MGAL
0020	BIKE PATH	86+50 - 94+00	RT/LT	---	290	---	---	4	1
		94+00 - 99+44.28	RT/LT	---	310	---	---	5	1
		99+44.28 - 104+86.50	RT/LT	---	50	---	---	1	1
		10+00 YP - 11+73.68 YP	RT/LT	---	190	---	---	3	1
		SUBTOTALS (0020)		0	840	0	0	13	4
		TOTALS		263	11,330	9,105	2,710	359	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT GAPS

CATEGORY	LOCATION	415.0210 EACH
0010	FIRST STREET	4

CONCRETE PAVEMENT ITEMS

CATEGORY	DISCRIPTION	STATION - STATION	LOCATION	415.0090 CONCRETE PAVEMENT 9-INCH SY	SPV.0180.003 REINFORCED CONCRETE PAVEMENT 9-INCH SY	415.0100 CONCRETE PAVEMENT 10-INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	*416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	STAGE 1B	99+44.28 - 104+86.50	RT/LT	400	---	---	---	510	150	---
		SUBTOTALS (STAGE 1B)		400	0	0	0	510	150	0
	STAGE 2	86+50 - 94+00	RT/LT	---	290	---	65	310	---	---
		99+44.28 - 104+86.50	RT/LT	50	---	760	---	870	10	45
		11+19 FI - 16+06.55 FI	RT/LT	---	---	1,400	---	1,600	---	---
		SUBTOTALS (STAGE 2)		50	290	2,160	65	2,780	10	45
	STAGE 3	86+50 - 94+00	RT/LT	---	290	---	65	310	---	---
		99+44.28 - 104+86.50	RT/LT	---	---	250	---	260	---	---
		11+19 FI - 16+06.55 FI	RT/LT	---	---	740	---	780	170	---
		SUBTOTALS (STAGE 3)		0	290	990	65	1,350	170	0
	STAGE 3B	99+44.28 - 104+86.50	RT/LT	---	---	330	---	340	---	---
		SUBTOTALS (STAGE 3B)		0	0	330	0	340	0	0
	STAGE 3C	99+44.28 - 104+86.50	RT/LT	---	---	380	---	420	35	35
		11+19 FI - 16+06.55 FI	RT/LT	---	---	25	---	25	---	25
		SUBTOTALS (STAGE 3C)		0	0	405	0	445	35	60
	STAGE 3D	99+44.28 - 104+86.50	RT/LT	---	---	220	---	220	---	---
		SUBTOTALS (STAGE 3D)		0	0	220	0	220	0	0
	STAGE 4	11+19 FI - 16+06.55 FI	RT/LT	---	---	30	---	30	---	---
		SUBTOTALS (STAGE 4)		0	0	30	0	30	0	0
		TOTALS		450	580	4,135	130	5,675	365	105

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\030205_mq.dgn PLOT DATE : 7/20/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 43

3

ASPHALTIC SURFACE TEMPORARY WEDGING SUMMARY

CATEGORY	STATION - STATION	LOCATION	*465.0310 ASPHALTIC CURB (FOR INLET LOCATIONS) LF	*611.8115 ADJUSTING INLET COVERS (FOR ADJUSTING INLETS PRIOR TO SURFACE LIFT) EACH	SPV.0180.001 ASPHALTIC SURFACE TEMPORARY WEDGING SY
0010	74+97.07 - 81+00	RT/LT	---	---	170
	81+00 - 86+50	RT/LT	48	8	110
	86+50 - 94+00	RT/LT	48	8	150
	94+00 - 99+44.28	RT/LT	12	2	380
	TOTALS		108	18	810

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COLD PATCH

CATEGORY	LOCATION	495.1000.S TON	REMARKS
0010	UNDISTRIBUTED	5	FOR PATCHING EXISTING PAVEMENT DURING CONSTRUCTION

ASPHALTIC ITEMS

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS LF	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON
0010	STAGE 2	74+97.07 - 81+00	RT/LT	0	0	605	---	295	---	---
		81+00 - 86+50	RT/LT	0	0	550	---	270	---	---
		86+50 - 94+00	RT/LT	0	0	770	---	300	---	---
		94+00 - 99+44.28	RT/LT	0	0	1,220	21	350	---	7
		11+19 FI - 16+06.55 FI	RT/LT	0	0	---	---	---	---	14
		SUBTOTALS (STAGE 2)		0	0	3,145	21	1,215	0	21
	STAGE 2A	94+00 - 99+44.28	RT/LT	0	0	130	---	61	---	---
		SUBTOTALS (STAGE 2A)		0	0	130	0	61	0	0
	STAGE 2B	86+50 - 94+00	RT/LT	0	0	130	---	12	---	---
		94+00 - 99+44.28	RT/LT	0	0	120	---	100	---	---
		SUBTOTALS (STAGE 2B)		0	0	250	0	112	0	0
	STAGE 3	74+97.07 - 81+00	RT/LT	0	0	700	---	305	---	---
		81+00 - 86+50	RT/LT	0	0	550	3	300	---	1
		86+50 - 94+00	RT/LT	0	0	870	---	345	---	---
		94+00 - 99+44.28	RT/LT	0	0	1,280	23	435	---	11
		SUBTOTALS (STAGE 3)		0	0	3,400	26	1,385	0	12
	STAGE 4	74+97.07 - 81+00	RT/LT	20	0	80	---	20	---	---
		81+00 - 86+50	RT/LT	72	0	655	---	72	---	---
		86+50 - 94+00	RT/LT	15	0	66	---	15	---	---
		SUBTOTALS (STAGE 4)		107	0	801	0	107	0	0
	STAGE 4B	10+00 YP - 11+73.68 YP	RT/LT	35	9	---	35	---	---	---
		SUBTOTALS (STAGE 4B)		35	9	0	35	0	0	0
	STAGE 5	74+97.07 - 81+00	RT/LT	400	145	1,300	---	---	400	---
		81+00 - 86+50	RT/LT	395	145	1,100	---	---	395	---
		86+50 - 94+00	RT/LT	415	150	1,640	---	---	415	---
		94+00 - 99+44.28	RT/LT	595	215	2,500	---	---	595	---
		SUBTOTALS (STAGE 5)		1,805	655	6,540	0	0	1,805	0
		SUBTOTALS (0010)		1,947	664	14,266	82	2,880	1,805	33
0020	BIKE PATH	86+50 - 94+00	RT/LT	0	0	---	62	---	---	---
		94+00 - 99+44.28	RT/LT	0	0	---	82	---	---	---
		99+44.28 - 104+86.50	RT/LT	0	0	---	9	---	---	---
		10+00 YP - 11+73.68 YP	RT/LT	0	0	---	51	---	---	---
		SUBTOTALS (0020)		0	0	0	204	0	0	0
		TOTALS		1,947	664	14,266	286	2,880	1,805	33

NOTE: A CONVERSION FACTOR OF 110 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

RAILING PIPE

CATEGORY	STATION	OFFSET	513.2001 LF
0010	87+73 - 89+81	RT	210

CURB & GUTTER

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	SPV.0090.001 CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL LF	*SPV.0090.002 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	*SPV.0090.003 CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	*SPV.0090.004 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	SPV.0090.005 CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	SPV.0090.006 CONCRETE CURB & GUTTER 30-INCH TYPE D MOUNTABLE SPECIAL LF	SPV.0090.007 CONCRETE CURB & GUTTER 30-INCH TYPE AX SPECIAL LF	SPV.0090.008 CONCRETE CURB & GUTTER 30-INCH TYPE DX SPECIAL LF	SPV.0090.016 CONCRETE CURB TYPE A SPECIAL LF	601.0600 CONCRETE CURB PEDESTRIAN LF	*650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	STAGE 1B	99+44.28 - 104+86.50	RT	---	310	---	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 1B)		0	310	0	0	0	0	0	0	0	0	0
	STAGE 2	74+97.07 - 81+00	LT	---	---	---	---	480	---	---	---	---	---	480
		81+00 - 86+50	LT	---	---	---	---	550	---	---	---	---	---	550
		86+50 - 94+00	RT/LT	---	---	295	---	290	---	---	---	---	---	585
		94+00 - 99+44.28	RT/LT	---	---	310	---	320	---	---	---	---	---	630
		99+44.28 - 104+86.50	RT/LT	---	17	---	165	---	---	13	---	---	---	---
		11+19 FI - 16+06.55 FI	RT	---	485	---	---	29	---	---	---	---	30	59
		SUBTOTALS (STAGE 2)		0	502	605	165	1,669	0	13	0	0	30	2,304
	STAGE 2B	86+50 - 94+00	RT	---	---	50	---	---	---	---	---	---	---	50
		94+00 - 99+44.28	RT/LT	---	---	76	---	125	---	---	---	---	---	201
		SUBTOTALS (STAGE 2B)		0	0	76	0	125	0	0	0	0	0	201
	STAGE 3	74+97.07 - 81+00	RT	---	---	260	---	565	---	---	16	---	---	841
		81+00 - 86+50	RT	---	---	---	---	565	---	---	---	---	---	565
		86+50 - 94+00	RT	160	---	345	---	575	---	---	---	---	---	920
		94+00 - 99+44.28	RT	---	---	325	---	495	---	---	55	---	---	875
		11+19 FI - 16+06.55 FI	LT	---	470	---	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 3)		160	470	930	0	2,200	0	0	71	0	0	3,201
	STAGE 3B	99+44.28 - 104+86.50	RT	---	79	---	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 3B)		0	79	0	0	0	0	0	0	0	0	0
	STAGE 3C	99+44.28 - 104+86.50	RT	---	---	---	62	---	---	---	---	---	---	---
		11+19 FI - 16+06.55 FI	LT	---	5	---	3	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 3C)		0	5	0	65	0	0	0	0	0	0	0
	STAGE 4	74+97.07 - 81+00	RT	---	---	365	---	---	---	---	---	---	---	365
		81+00 - 86+50	RT	---	---	440	---	---	---	---	---	---	---	440
		86+50 - 94+00	RT	---	---	99	---	---	---	---	---	---	---	99
		94+00 - 99+44.28	LT	---	---	94	---	---	---	---	---	---	---	94
		99+44.28 - 104+86.50	RT	---	265	---	---	---	---	---	---	---	---	---
		11+19 FI - 16+06.55 FI	RT	---	6	---	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 4)		0	271	998	0	0	0	0	0	0	0	998
	STAGE 4A	86+50 - 94+00	LT	160	---	---	---	290	---	---	---	---	---	290
		94+00 - 99+44.28	LT	---	---	---	---	79	---	---	---	---	---	79
		SUBTOTALS (STAGE 4A)		160	0	0	0	369	0	0	0	0	0	369
	STAGE 4B	86+50 - 94+00	RT	---	---	---	---	---	---	---	---	195	---	195
		10+00 YP - 11+73.68 YP	RT	---	---	---	---	59	47	---	---	---	---	106
		SUBTOTALS (STAGE 4B)		0	0	0	0	59	47	0	0	195	0	301
		TOTALS		320	1,637	2,609	230	4,422	47	13	71	195	30	7,374

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF
0010	74+97.07 - 81+00	RT/LT	1,750	430
	81+00 - 86+50	RT/LT	1,950	310
	86+50 - 94+00	RT/LT	2,500	2,400
	94+00 - 99+44.28	RT/LT	1,100	3,000
	99+44.28 - 104+86.50	RT/LT	250	700
	11+19 FI - 16+06.55 FI	RT/LT	2,150	140
	10+00 YP - 11+73.68 YP	RT	---	85
	UNDISTRIBUTED	RT/LT	485	353
	SUBTOTALS (0010)		10,185	7,065
0020	86+50 - 94+00	RT	---	3,050
	94+00 - 99+44.28	RT	---	820
	99+44.28 - 104+86.50	RT	---	500
	SUBTOTALS (0020)		0	4,370
	TOTALS		10,185	11,435

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STAMPED COLORED CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	*405.1000 STAMPING COLORED CONCRETE CY
0010	74+97.07 - 81+00	RT/LT	490	7
	81+00 - 86+50	RT/LT	860	15
	86+50 - 94+00	RT/LT	1,400	20
	94+00 - 99+44.28	RT/LT	840	15
	99+44.28 - 104+86.50	RT/LT	470	7
	11+19 FI - 16+06.55 FI	RT/LT	1,350	20
	TOTALS		5,410	84

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY WIDENING & CROSSOVER RESTORATION SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	*SPV.0090.002 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	*SPV.0090.003 CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	*SPV.0090.004 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	*405.1000 STAMPING COLORED CONCRETE CY	*602.0410 CONCRETE SIDEWALK 5-INCH SF	*416.0610 DRILLED TIE BARS EACH	*620.0300 CONCRETE MEDIAN SLOPED NOSE (TYPE 1) SF	*631.0300 SOD WATER MGAL	*631.1000 SOD LAWN SY	*650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	*SPV.0060.117 ADJUST WATER VALVE BOX EACH	*690.0150 SAWING ASPHALT LF	REMARKS
0010	STAGE 3	100+87 - 101+30	RT	---	---	45	---	---	---	16	---	---	---	---	---	---	SE QUAD. FIRST ST.; BUILT STAGE 1A
	STAGE 3	16+98 FI - 17+79 FI	LT	160	---	---	6	7.1	460	62	45	---	---	---	1	---	FIRST ST. MEDIAN; BUILT STAGE 1A
	STAGE 3 (WITH EB CLOSURE)	75+73 - 76+77	RT	---	150	---	3	3.9	250	---	---	2	70	150	2	75	CROSS-OVER; BUILT STAGE 1B
	STAGE 4	101+75 - 103+01	RT	85	---	---	---	---	---	33	---	---	---	---	---	---	CROSS-OVER; BUILT STAGE 1B
	STAGE 4	104+12 - 106+87	RT	320	---	---	---	---	---	128	---	10	366	---	---	---	CROSS-OVER; BUILT STAGE 1B
	UNDISTRIBUTED			---	---	---	---	---	---	---	---	3	109	---	---	---	
	TOTALS			565	150	45	9	11.0	710	240	45	15	545	150	3	75	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

RESTORATION QUANTITIES SHOWN ABOVE ARE THOSE THAT ARE OUTSIDE THE PROJECT'S RECONSTRUCTION LIMITS

STORM SEWER

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0110 RELAID STORM SEWER 10-INCH LF	608.0112 RELAID STORM SEWER 12-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	SPV.0060.005 STORM SEWER TAP EACH
0010	J-1.3	J-1.4	---	6	---	---	---	---	---	---	---
	J-1.4	J-1.5	---	6	---	---	---	---	---	---	---
	J-1.5	-	---	-	---	---	---	---	---	1	---
	J-2.1	J-2.2	---	75	---	---	---	---	---	---	---
	J-2.2	J-2.3	---	6	---	---	---	---	---	---	---
	J-2.3	-	---	-	---	---	---	---	---	1	---
	J-2.4	J-2.1	---	69	---	---	---	---	---	---	---
	J-3.1	J-3.2	31	---	---	---	---	---	---	---	---
	J-3.2	J-3.3	27	---	---	---	---	---	---	---	---
	J-3.3	J-3.4	29	---	---	---	---	---	---	---	---
	J-3.4	J-3.7	10	---	---	---	---	---	---	---	---
	J-3.5	J-3.6	---	6	---	---	---	---	---	---	---
	J-3.6	J-3.4	---	140	---	---	---	---	---	---	---
	J-3.7	-	---	---	---	---	---	---	---	---	---
	J-3.8	J-3.6	---	25	---	---	---	---	---	---	---
	J-3.9	J-3.8	---	83	---	---	---	---	---	---	---
	J-3.10	J-3.9	---	6	---	---	---	---	---	---	---
	J-4.1	J-4.2	23	---	---	---	---	---	---	---	---
	J-4.2	J-4.3	---	---	20	---	---	---	---	---	---
	J-4.3	J-4.4	---	---	6	---	---	---	---	---	---
	J-4.4	-	---	---	-	---	---	---	---	1	---
	J-4.5	J-4.3	---	---	77	---	---	---	---	---	---
	J-4.6	J-4.5	---	7	---	---	---	---	---	---	---
	J-4.7	J-4.5	---	33	---	---	---	---	---	---	---
	J-4.8	J-4.7	---	6	---	---	---	---	---	---	---
	J-4.9	J-4.2	---	---	65	---	---	---	---	---	---
	J-4.10	J-4.9	---	6	---	---	---	---	---	---	---
	J-5.1	J-5.2	---	23	---	---	---	---	---	---	---
	J-5.2	J-5.3	---	27	---	---	---	---	---	---	---
	J-5.3	J-5.4	---	6	---	---	---	---	---	---	---
	J-5.4	-	---	-	---	---	---	---	---	1	---
	J-5.5	J-5.3	---	190	---	---	---	---	---	---	---
	J-5.6	J-5.5	---	6	---	---	---	---	---	---	---
	J-5.7	J-5.2	---	50	---	---	---	---	---	---	---
	J-5.8	J-5.7	---	6	---	---	---	---	---	---	---
	J-6.1	J-6.2	---	6	---	---	---	---	---	1	---
	J-6.2	J-6.3	---	20	---	---	---	---	---	---	---
	J-6.3	J-6.4	28	---	---	---	---	---	---	---	---
	J-6.4	-	-	---	---	---	---	---	---	---	---
	J-6.5	J-6.6	6	---	---	---	---	---	---	---	---
	J-6.6	J-6.4	17	---	---	---	---	---	---	---	---
	J-6.7	-	---	---	---	---	---	---	---	---	---
	J-7.1	J-7.2	---	6	---	---	---	---	---	---	---
	J-7.2	-	---	-	---	---	---	---	---	1	---
	J-8.1	J-8.2	---	6	---	---	---	---	---	---	---
	J-8.2	J-8.4	---	33	---	---	---	---	---	---	---
	J-8.3	J-8.4	---	---	---	---	---	---	---	---	---
	J-8.4	J-8.5	---	54	---	---	---	---	---	---	---
	J-8.5	J-8.6	---	6	---	---	---	---	---	---	---
	J-8.6	-	---	-	---	---	---	---	---	1	---

CON'T NEXT PAGE

CON'T FROM PREVIOUS

STORM SEWER

			608.0312	608.0412	608.0415	608.0418	608.0430	608.0110	608.0112	520.8000	SPV.0060.005
			STORM SEWER PIPE REINFORCED CONCRETE					RELAID	RELAID	CONCRETE	STORM
			CLASS III	CLASS IV				STORM SEWER	STORM SEWER	COLLARS	SEWER
	FROM	TO	12-INCH	12-INCH	15-INCH	18-INCH	30-INCH	10-INCH	12-INCH	FOR PIPE	TAP
CATEGORY	STRUCTURE	STRUCTURE	LF	LF	LF	LF	LF	LF	LF	EACH	EACH
0010	J-9.1	J-9.2	6	---	---	---	---	---	---	---	---
	J-9.2	J-9.3	31	---	---	---	---	---	---	---	---
	J-9.3	J-9.4	6	---	---	---	---	---	---	---	---
	J-9.4	J-9.5	17	---	---	---	---	---	---	1	---
	J-9.5	J-9.6	6	---	---	---	---	---	---	---	---
	J-9.6	-	-	---	---	---	---	---	---	1	---
	J-10.1	J-10.2	42	---	---	---	---	---	---	---	---
	J-10.2	J-10.3	27	---	---	---	---	---	---	---	---
	J-10.3	J-10.4	5	---	---	---	---	---	---	---	---
	J-10.4	J-10.5	35	---	---	---	---	---	---	---	---
	J-10.5	-	---	---	---	---	---	---	---	---	1
	J-11.1	J-11.2	6	---	---	---	---	---	---	---	---
	J-11.2	-	-	---	---	---	---	---	---	1	---
	J-12.1	J-12.2	---	18	---	---	---	---	---	---	---
	J-12.2	J-13.2	---	24	---	---	---	---	---	1	---
	J-13.1	J-13.2	---	25	---	---	---	---	---	---	---
	J-13.2	J-13.3	12	---	---	---	---	---	---	---	---
	J-13.3	-	---	---	---	---	---	---	---	---	---
	J-14.1	J-15.1	---	58	---	---	---	---	---	---	---
	J-15.1	J-15.2	---	13	---	---	---	---	---	---	---
	J-15.2	J-15.3	---	54	---	---	---	---	---	---	---
	J-15.3	J-15.4	6	---	---	---	---	---	---	---	---
	J-15.4	-	-	---	---	---	---	---	---	1	---
	J-16.1	J-16.2	---	43	---	---	---	---	---	---	---
	J-16.2	J-16.3	---	6	---	---	---	---	---	---	---
	J-16.3	-	---	-	---	---	---	---	---	1	---
	J-17.1	J-17.6	---	56	---	---	---	---	---	---	---
	J-17.2	J-17.4	53	---	---	---	---	---	---	---	---
	J-17.3	J-17.2	39	---	---	---	---	---	---	---	---
	J-17.4	J-17.5	46	---	---	---	---	---	---	---	---
	J-17.5	-	-	---	---	---	---	---	---	1	---
	J-17.6	J-17.7	---	8	---	---	---	---	---	---	---
	J-17.7	-	---	-	---	---	---	---	---	1	---
	J-17.8	-	---	---	---	---	---	---	---	2	---
	J-18.1	J-18.2	---	4	---	---	---	---	---	1	---
	J-18.2	J-18.3	---	8	---	---	---	---	---	---	---
	J-18.3	J-18.4	---	6	---	---	---	---	---	---	---
	J-18.4	-	---	-	---	---	---	---	---	1	---
	J-19.1	J-19.2	---	42	---	---	---	---	---	---	---
	J-19.2	J-19.4	---	72	---	---	---	---	---	---	---
	J-19.3	J-19.2	---	6	---	---	---	---	---	---	---
	J-19.4	J-19.8	6	---	---	---	---	---	---	---	---
	J-19.5	J-19.6	---	6	---	---	---	---	---	---	---
	J-19.6	J-19.7	---	38	---	---	---	---	---	---	---
	J-19.7	J-19.4	---	31	---	---	---	---	---	---	---
	J-19.8	-	-	---	---	---	---	---	---	1	---
	J-20.1	J-20.2	13	---	---	---	---	---	---	---	---
	J-20.2	J-20.4	---	---	---	---	6	---	---	---	---
	J-20.3	J-20.2	---	---	---	---	6	---	---	1	---
	J-20.4	-	---	---	---	---	-	---	---	1	---

CON'T NEXT PAGE

CON'T FROM PREVIOUS

STORM SEWER

			608.0312	608.0412	608.0415	608.0418	608.0430	608.0110	608.0112	520.8000	SPV.0060.005
			STORM SEWER PIPE REINFORCED CONCRETE					RELAID	RELAID	CONCRETE	STORM
			CLASS III	CLASS IV				STORM SEWER	STORM SEWER	COLLARS	SEWER
	FROM	TO	12-INCH	12-INCH	15-INCH	18-INCH	30-INCH	10-INCH	12-INCH	FOR PIPE	TAP
CATEGORY	STRUCTURE	STRUCTURE	LF	LF	LF	LF	LF	LF	LF	EACH	EACH
0010	J-20.5	J-20.1	---	29	---	---	---	---	---	---	---
	J-21.1	J-21.2	---	---	---	---	---	6	---	1	---
	J-21.2	J-21.3	---	38	---	---	---	---	---	---	---
	J-21.3	J-21.4	---	28	---	---	---	---	---	---	---
	J-21.4	J-21.5	9	---	---	---	---	---	6	1	---
	J-21.5	J-21.6	6	---	---	---	---	---	---	---	---
	J-21.6	-	-	---	---	---	---	---	---	1	---
	YP-1.1	YP-1.2	---	29	---	---	---	---	---	---	---
	YP-1.2	YP-1.3	---	---	7	---	---	---	---	---	---
	YP-1.3	YP-1.4	---	---	28	---	---	---	---	---	---
	YP-1.4	YP-1.5	---	---	---	6	---	---	---	---	---
	YP-1.5	-	---	---	-	---	---	---	---	1	---
	TOTALS		542	1,555	203	6	12	6	6	26	1

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0666 INLET COVERS TYPE Z EACH	*SPV.0060.006 INLET COVERS TYPE DW EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	J-1.3	76+43.56	23.6 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-1.4	76+37.55	23.6 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-1.5	76+37.86	17.7 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-2.1	77+91.87	47.1 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-2.2	78+66.90	42.8 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-2.3	78+66.74	36.9 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-2.4	77+22.49	51.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-3.1	81+71.13	54.4 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-3.2	81+40.80	54.9 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-3.3	81+26.02	32.1 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-3.4	81+10.65	8.2 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-3.5	82+50.49	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-3.6	82+50.49	7.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-3.7	81+02.94	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-3.8	82+60.78	29.5 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-3.9	83+44.01	29.5 'RT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-3.10	83+50.00	29.5 'RT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-4.1	85+61.98	7.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-4.2	85+62.02	29.5 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-4.3	85+41.69	29.5 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-4.4	85+41.62	23.6 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-4.5	84+64.79	29.5 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-4.6	84+64.79	36.5 'RT	---	---	1	---	---	---	---	1	---	---	---	---	---	---	1
	J-4.7	84+40.39	7.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-4.8	84+40.39	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-4.9	86+27.36	29.5 'RT	---	---	---	1	---	---	---	---	---	---	1	---	---	---	1
	J-4.10	86+33.36	29.5 'RT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-5.1	85+63.73	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-5.2	85+66.68	21.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-5.3	85+39.73	21.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-5.4	85+40.35	15.6 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-5.5	83+50.00	21.5 'LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-5.6	83+44.00	21.5 'LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-5.7	86+16.23	21.5 'LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-5.8	86+22.23	21.5 'LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-6.1	86+84.89	35.6 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-6.2	86+85.18	29.5 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-6.3	87+06.05	29.4 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-6.4	87+06.30	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-6.5	86+89.66	7.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-6.6	86+89.66	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-6.7	87+21.65	20.8 'LT	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---
	J-7.1	81+65.01	21.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-7.2	81+65.06	15.6 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	J-8.1	92+79.99	13.3 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-8.2	92+73.91	13.2 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-8.3	92+79.76	45.8 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-8.4	92+73.45	45.7 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-8.5	92+18.85	44.2 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-8.6	92+18.84	38.3 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CON'T NEXT PAGE

CON'T FROM PREVIOUS

INLETS, MANHOLES, TEES, PLUGS, MANHOLE COVERS, AND INLET COVERS

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0666 INLET COVERS TYPE Z EACH	*SPV.0060.006 INLET COVERS TYPE DW EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	J-9.1	92+34.69	29.7 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-9.2	92+40.56	29.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-9.3	92+40.01	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-9.4	92+34.02	1.0 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-9.5	92+18.11	6.0 'RT	1	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	J-9.6	92+18.32	12.0 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-10.1	95+49.55	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-10.2	95+46.43	40.2 'LT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-10.3	95+64.52	60.8 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-10.4	95+61.11	64.3 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-10.5	95+36.30	89.4 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-11.1	96+50.70	45.3 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-11.2	96+51.10	39.4 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-12.1	96+71.15	18.8 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-12.2	96+70.6	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-13.1	97+07.13	31.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-13.2	96+88.14	15.0 'LT	---	1	---	---	---	---	1	---	---	---	---	---	---	---	1
	J-13.3	96+88.25	3.3 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-14.1	97+67.43	58.4 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-15.1	97+57.71	1.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-15.2	97+61.16	13.5 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-15.3	98+14.72	18.3 'RT	1	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	J-15.4	98+20.05	15.5 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-16.1	99+30.41	68.9 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-16.2	99+40.92	27.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-16.3	99+41.23	20.9 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-17.1	100+50.37	33.3 'LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-17.2	99+41.80	31.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-17.3	99+41.67	6.9 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-17.4	98+88.67	31.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-17.5	98+52.56	3.1 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-17.6	101+07.52	32.7 'LT	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	J-17.7	101+07.54	26.7 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-17.8	98+46.12	1.5 'RT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---
	J-18.1	101+01.15	33.8 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-18.2	101+00.94	29.9 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-18.3	101+01.60	22.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-18.4	101+02.51	16.2 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-19.1	10+74.75	20.9 'LT	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	J-19.2	11+10.91	1.0 'RT	---	---	---	1	---	---	---	---	1	---	---	---	---	---	1
	J-19.3	11+10.79	7.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-19.4	11+82.99	1.1 'RT	1	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	J-19.5	11+39.02	34.5 'RT	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
	J-19.6	11+45.00	34.1 'RT	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
	J-19.7	11+83.25	31.5 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-19.8	11+82.07	4.8 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-20.1	11+15.65	49.5 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-20.2	11+11.48	36.7 'LT	---	1	---	---	---	---	1	---	---	---	---	---	---	---	1
	J-20.3	11+17.48	36.9 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-20.4	11+05.77	38.6 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CON'T NEXT PAGE

CON'T FROM PREVIOUS

INLETS, MANHOLES, TEES, PLUGS, MANHOLE COVERS, AND INLET COVERS

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0666 INLET COVERS TYPE Z EACH	*SPV.0060.006 INLET COVERS TYPE DW EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	J-20.5	10+88.15	59.4 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-21.1	13+22.46	33.1 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	J-21.2	13+22.73	27.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-21.3	13+60.32	27.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-21.4	13+58.80	1.0 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-21.5	13+59.90	10.0 'LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	J-21.6	13+60.75	15.8 'LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	YP-1.1	11+24.1	4.0 'RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	1
	YP-1.2	10+99.93	18.5 'RT	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	YP-1.3	10+93.81	16.8 'RT	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	YP-1.4	10+68.86	12.8 'RT	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	YP-1.5	10+67.32	7.0 'RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	TOTALS			3	2	1	11	67	3	5	1	66	1	10	3	1	2	88

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

ADJUSTING MANHOLE COVERS

CATEGORY	STATION - STATION	LOCATION	*611.8110 EACH
0010	74+97.07 - 81+00	LT/RT	1
	81+00 - 86+50	LT/RT	1
	86+50 - 94+00	LT/RT	2
	94+00 - 99+44.28	LT/RT	1
	99+44.28 - 104+86.50	LT/RT	1
	TOTAL		6

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ADJUSTING MMSD MANHOLES

CATEGORY	STATION	OFFSET	*611.8110 ADJUSTING MANHOLE COVERS EACH	SPV.0060.126 RECONSTRUCT MMSD SANITARY SEWER STRUCTURE EACH	REMARKS
0070	98+73	65' RT	---	1	MMSD MH01-002
	98+80	91' RT	1	---	MMSD MH01-001
	99+68	21' RT	---	1	MMSD MH01-601
	100+10	29' LT	1	---	MMSD MH01-003
	100+36	18' RT	1	---	MMSD MH01-602
	11+33 FI	34' RT	---	1	MMSD MH01-304
		TOTALS	3	3	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	STATION - STATION	LOCATION	602.0515 SF
0010	74+97.07 - 81+00	RT/LT	50
	81+00 - 86+50	RT/LT	40
	86+50 - 94+00	RT/LT	20
	94+00 - 99+44.28	RT/LT	205
	99+44.28 - 104+86.50	RT/LT	120
	11+19 FI - 16+06.55 FI	RT/LT	34
	TOTAL		469

FENCE SAFETY

CATEGORY	STATION - STATION	616.0700.S LF	REMARKS
0010	77+43 - 100+75	580	TREE PROTECTION
	77+43 - 100+75	2,350	PEDESTRIAN ROUTING/SAFETY
	TOTAL	2,930	

PIPE UNDERDRAIN SUMMARY

CATEGORY	STATION - STATION	LOCATION	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	645.0140 GEOTEXTILE TYPE SAS SY	310.0110 BASE AGGREGATE OPEN-GRADED TON
0010	82+75 - 84+25	LT	150	85	8
	82+75 - 84+25	RT	150	85	8
	85+47 - 86+97	LT	150	85	8
	85+58 - 87+09	RT	150	85	8
	91+65 - 93+15	LT	150	85	8
	92+05 - 93+55	RT	300	170	15
	99+75 - 100+75	LT	100	55	6
	11+78 - 11+98	RT	45	25	3
	10+70 FI - 12+20 FI	RT	150	85	8
	TOTALS		1,345	760	72

CONCRETE CORRUGATED MEDIAN

CATEGORY	STATION - STATION	LOCATION	620.0100 SF
0010	87+34 - 88+09	RT	210
	88+23 - 90+53	RT	400
	11+22 FI - 11+63 FI	RT	290
		TOTAL	900

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	*620.0300 SF
0010	77+85	RT	84
	81+20	RT	45
	81+85	RT	34
	82+59	RT	41
	84+31	RT	41
	85+71	RT	41
	86+82	RT	41
	94+79	RT	41
	95+40	RT	69
	97+75	RT	43
	98+28	RT	44
	99+65	RT	110
	100+75	RT	48
	10+87 FI	RT	33
	13+45 FI	LT	66
	10+52 FO	RT	57
	11+05 FO	RT	33
	TOTAL		871

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION - STATION	LOCATION	623.0200 SY
0010	74+97.07 - 81+00	RT/LT	3,550
	81+00 - 86+50	RT/LT	3,650
	86+50 - 94+00	RT/LT	4,850
	94+00 - 99+44.28	RT/LT	5,250
	99+44.28 - 104+86.50	RT/LT	2,850
	11+19 FI - 16+06.55 FI	RT/LT	2,650
	10+00 YP - 11+73.68 YP	RT/LT	240
	TOTAL		23,040

3

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0300 SEEDING BORROW PIT LB	*631.0300 SOD WATER MGAL	*631.1000 SOD LAWN SY	SPV.0120.001 WATER FOR SEEDED AREAS MGAL	*SPV.0180.002 SHREDDED HARDWOOD BARK MULCH, 3-INCH DEPTH SY
0010	74+97.07 - 81+00	RT/LT	1,150	---	0.7	---	---	25	1,100	---	---
	81+00 - 86+50	RT/LT	760	---	0.5	---	---	17	740	---	---
	86+50 - 94+00	RT/LT	1,000	---	0.6	3	---	19	850	4	---
	94+00 - 99+44.28	RT/LT	1,550	---	1.0	8	---	24	1,100	10	---
	99+44.28 - 104+86.50	RT/LT	720	---	0.5	1	---	15	680	1	---
	11+19 FI - 16+06.55 FI	RT/LT	480	---	0.3	4	---	5	210	5	75
	10+00 YP - 11+73.68 YP	RT/LT	560	---	0.4	10	---	---	---	15	---
	WASTE SITE	---	---	6,950	4.4	---	95	---	---	160	---
	UNDISTRIBUTED	---	1,550	1,750	2.1	7	25	26	1,150	45	20
	TOTALS		7,770	8,700	10.5	33	120	131	5,830	240	95

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	WASTE SITE	1
	STH 113 - STAGE 1B	1
	WEST END OF E. JOHNSON STREET - STAGE 2	1
	EAST END OF E. JOHNSON STREET - STAGE 2	1
	FORDEM AVENUE - STAGE 2	2
	FIRST STREET - STAGE 2	1
	WEST END OF E. JOHNSON STREET - STAGE 3	1
	EAST END OF E. JOHNSON STREET - STAGE 3	1
	FIRST STREET - STAGE 3	2
	UNDISTRIBUTED	2
	TOTAL	13

SILT FENCE SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	74+97.07 - 81+00	RT/LT	290	1,150
	81+00 - 86+50	RT/LT	550	2,200
	86+50 - 94+00	RT/LT	570	2,300
	94+00 - 99+44.28	RT/LT	210	840
	10+00 YP - 11+73.68 YP	RT/LT	150	290
	UNDISTRIBUTED		440	1,750
	TOTALS		2,210	8,530

EROSION MAT URBAN CLASS I TYPE A

CATEGORY	STATION - STATION	LOCATION	*628.2006 SY
0010	74+97.07 - 81+00	RT/LT	20
	81+00 - 86+50	RT/LT	20
	86+50 - 94+00	RT/LT	170
	94+00 - 99+44.28	RT/LT	450
	99+44.28 - 104+86.50	RT/LT	35
	11+19 FI - 16+06.55 FI	RT/LT	200
	10+00 YP - 11+73.68 YP	RT/LT	560
	UNDISTRIBUTED	RT/LT	360
	TOTAL		1,815

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FIELD OFFICE TYPE D

CATEGORY	PROJECT	642.5401 EACH
0010	5992-09-14	1

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	5992-09-14	11	7

INLET PROTECTION SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	74+97.07 - 81+00	RT/LT	5	---	5	3
	81+00 - 86+50	RT/LT	27	---	18	8
	86+50 - 94+00	RT/LT	15	---	7	8
	94+00 - 99+44.28	RT/LT	14	---	14	---
	99+44.28 - 104+86.50	RT/LT	12	---	6	5
	11+19 FI - 16+06.55 FI	RT/LT	7	---	8	9
	10+00 YP - 11+73.68 YP	RT/LT	4	1	1	1
	UNDISTRIBUTED	---	21	---	15	9
	TOTALS		105	1	74	43

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	SPV.0060.003 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.002 PRECAST SIGN POST BASE EACH	SPV.0060.004 ERECTING CITY OWNED SIGNS EACH	SPV.0090.009 SIGN POST LF	SPV.0090.010 REFLECTIVE SIGN POST LF	REMARKS
0010	1 - 1	76+40	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	1 - 2	76+45	MEDIAN	R2-1	SPEED LIMIT 25 MPH	24 x 30	5.00	---	---	---	1	---	10	---	
	1 - 3	77+00	RT	R2-1	SPEED LIMIT 25 MPH	24 x 30	5.00	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE
	1 - 4	78+85	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	SIGN PROVIDED AND INSTALLED BY OTHERS; INSTALL ON LIGHT POLE
	1 - 5	76+15	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	SIGN PROVIDED AND INSTALLED BY OTHERS; INSTALL ON LIGHT POLE
	1 - 6	77+00	LT	R2-1	SPEED LIMIT 25 MPH	24 x 30	5.00	---	---	---	1	---	10	---	
	1 - 7	77+00	MEDIAN	R2-1	SPEED LIMIT 25 MPH	24 x 30	5.00	---	---	---	---	---	---	---	INSTALL ON EXISTING POLE
	1 - 8	77+90	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	---	10	---	
	1 - 9	77+90	MEDIAN	---	GROUND MOUNTED STREET NAME SIGNS	--- x ---	---	---	---	---	---	---	---	---	STREET NAME SIGNS PROVIDED AND INSTALLED BY OTHERS; INSTALL ON SAME POST AS SIGN 1-10
	1 - 10	79+00	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	2 - 1	80+90	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	SIGN PROVIDED AND INSTALLED BY OTHERS; INSTALL ON POLE
	2 - 2	81+15	MEDIAN	---	GROUND MOUNTED STREET NAME SIGNS	--- x ---	---	---	---	---	---	---	---	---	STREET NAME SIGNS PROVIDED AND INSTALLED BY OTHERS; INSTALL ON SAME POST AS SIGN 2-3
	2 - 3	81+15	MEDIAN	R3-2	NO LEFT TURN SYMBOL	24 x 24	4.00	---	---	1	---	---	10	---	
	2 - 4	81+15	MEDIAN	R10-20aP (Mod.)	7-9 AM; 4-6 PM	24 x 12	2.00	---	---	---	---	---	---	---	INSTALL BELOW SIGN 2-3
	2 - 5	81+75	RT	R1-1	STOP	30 x 30	5.18	---	---	---	1	---	10	---	
	2 - 6	82+05	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	6.25	---	---	---	---	---	INSTALL ON POLE
	2 - 7	82+05	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	---	2.00	---	---	---	---	---	INSTALL ON POLE BELOW SIGN 2-8
	2 - 8	82+05	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	6.25	---	---	---	---	---	INSTALL ON POLE
	2 - 9	82+05	RT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	---	2.00	---	---	---	---	---	INSTALL ON POLE BELOW SIGN 2-10
	2 - 10	83+25	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	2 - 11	84+95	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	2 - 12	80+95	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	2 - 13	81+70	LT	R3-2	NO LEFT TURN SYMBOL	24 x 24	4.00	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE
	2 - 14	81+70	LT	R10-20aP (Mod.)	7-9 AM; 4-6 PM	24 x 12	2.00	---	---	---	---	---	---	---	INSTALL BELOW SIGN 2-15 ON LIGHT POLE
	2 - 15	81+90	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	---	10	---	
	2 - 16	82+05	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	6.25	---	---	---	---	---	INSTALL ON POLE
	2 - 17	82+05	LT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	---	2.00	---	---	---	---	---	INSTALL ON POLE BELOW SIGN 2-18
	2 - 18	82+05	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	6.25	---	---	---	---	---	INSTALL ON POLE
	2 - 19	82+05	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	---	2.00	---	---	---	---	---	INSTALL ON POLE BELOW SIGN 2-20
	2 - 20	83+05	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	3 - 1	86+35	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	3 - 2	86+95	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	6.25	---	1	---	11	---	
	3 - 3	86+95	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	---	2.00	---	---	---	---	---	INSTALL BELOW SIGN 3-2
	3 - 4	11+55 YP	RT	R7 (MOD.)	NO PARKING; 8AM-12PM; THURSDAYS; MAY 1 - NOV 15	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	3 - 5	10+95 YP	RT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	15 x 15	---	1.56	---	---	1	---	6	---	
	3 - 6	10+97 YP	RT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	15 x 15	---	1.56	---	---	1	---	6	---	
	3 - 7	11+00 YP	RT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	15 x 15	---	1.56	---	---	1	---	6	---	
	3 - 8	11+00 YP	RT	R7 (MOD.)	NO PARKING IN THIS CIRCLE	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	3 - 9	11+50 YP	RT	R7 (MOD.)	NO PARKING THIS SIDE	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	3 - 10	11+50 YP	RT	D11-1 (MOD.)	BIKE ROUTE (SYMBOL AND WORD MESSAGE)	24 x 30	---	---	---	---	---	---	---	---	SIGN PROVIDED AND INSTALLED BY OTHERS; INSTALL ON SAME POST AS SIGN 3-9
	3 - 11	10+80 YP	LT	W1-7	NIGHT ARROW (DOUBLE)	36 x 18	---	---	4.50	---	1	---	9	---	
	3 - 12	90+08	RT	W1-1L	LEFT TURN	18 x 18	---	---	2.25	---	---	---	---	---	INSTALL ON LIGHT POLE
	3 - 13	86+25	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	3 - 14	87+10	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	6.25	---	1	---	11	---	
	3 - 15	87+10	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	---	2.00	---	---	---	---	---	INSTALL BELOW SIGN 3-14
	3 - 16	89+80	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
	3 - 17	89+80	LT	---	ALTERNATE SIDE PARKING REGULATIONS	--- x ---	---	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
	3 - 18	91+00	LT	R2-1	SPEED LIMIT 25 MPH	24 x 30	5.00	---	---	---	1	---	10	---	
	3 - 19	91+05	MEDIAN	R2-1	SPEED LIMIT 25 MPH	24 x 30	5.00	---	---	---	1	---	10	---	
					SHEET TOTALS		57.18	4.69	56.25	3	22	0	129	0	

CON'T NEXT PAGE

CON'T FROM PREVIOUS

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 637.2220 637.2230 SIGNS TYPE II REFLECTIVE H SF	SH SF	F SF	SPV.0060.003 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.002 PRECAST SIGN POST BASE EACH	SPV.0060.004 ERECTING CITY OWNED SIGNS EACH	SPV.0090.009 SIGN POST LF	SPV.0090.010 REFLECTIVE SIGN POST LF	REMARKS
0010	3 - 20	91+70	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
(CON'T)	3 - 21	86+35	RT	---	ALTERNATE SIDE PARKING REGULATIONS	--- x ---	---	---	---	---	---	---	---	---	INSTALL ON SAME POST AS SIGN 3-1; SIGN PROVIDED AND INSTALLED BY OTHERS
	4 - 1	92+35	MEDIAN	D1-1	FORDEM AV (LEFT ARROW)	--- x 15	---	---	---	---	2	---	18	---	PROVIDE & INSTALL PRECAST SIGN POST BASE & POST; STREET NAME SIGNS PROVIDED AND INSTALLED BY OTHERS
	4 - 2	93+25	MEDIAN	W10-1	RAILROAD CROSSING	36 x 36	---	---	7.07	---	1	---	12	---	
	4 - 3	93+25	MEDIAN	W10-9P	NO TRAIN HORN	30 x 24	---	---	5.00	---	---	---	---	---	INSTALL BELOW SIGN 4-2
	4 - 4	93+35	RT	W10-1	RAILROAD CROSSING	36 x 36	---	---	7.07	---	---	---	---	---	INSTALL ON LIGHT POLE
	4 - 5	93+35	RT	W10-9P	NO TRAIN HORN	30 x 24	---	---	5.00	---	---	---	---	---	INSTALL ON LIGHT POLE BELOW SIGN 4-4
	4 - 6	93+90	MEDIAN	R2-1	SPEED LIMIT 30 MPH	24 x 30	5.00	---	---	1	---	---	10	---	
	4 - 7	93+90	RT	R2-1	SPEED LIMIT 30 MPH	24 x 30	5.00	---	---	---	1	---	10	---	
	4 - 8	94+70	MEDIAN	M1-94H	E JOHNSON ST OVERHEAD STREET NAME SIGN	--- x 18	---	---	---	---	---	1	---	---	STREET NAME SIGNS PROVIDED BY OTHERS; SIGN INSTALLED BY CONTRACTOR
	4 - 9	95+05	RT	R9-3A	NO PEDESTRIAN CROSSING (SYMBOL SIGN)	18 x 18	2.25	---	---	---	---	---	---	---	INSTALL ON SIGNAL POLE
	4 - 10	95+05	RT	R9-3BL	USE CROSSWALK (LEFT OR LEFT ARROW)	18 x 12	1.50	---	---	---	---	---	---	---	INSTALL BELOW SIGN 4-9
	4 - 11	95+50	MEDIAN	---	GROUND MOUNTED STREET NAME SIGNS	--- x ---	---	---	---	---	---	---	---	---	STREET NAME SIGNS PROVIDED AND INSTALLED BY OTHERS; INSTALL ON SIGNAL POLE
	4 - 12	95+50	MEDIAN	R3-4	NO UTURN SYMBOL	24 x 24	4.00	---	---	---	---	---	---	---	INSTALL ON SIGNAL POLE
	4 - 13	95+90	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
	4 - 14	95+96	RT	M1-94H	FORDEM AV OVERHEAD STREET NAME SIGN	--- x 18	---	---	---	---	---	1	---	---	STREET NAME SIGNS PROVIDED BY OTHERS; SIGN INSTALLED BY CONTRACTOR
	4 - 15	97+05	RT	---	COVERED SPECIAL EVENT SIGN	--- x ---	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	4 - 16	97+45	MEDIAN	D1-1	N FIRST ST (RIGHT ARROW)	--- x 15	---	---	---	---	2	---	18	---	PROVIDE & INSTALL PRECAST SIGN POST BASE & POST; STREET NAME SIGNS PROVIDED AND INSTALLED BY OTHERS
	4 - 17	97+45	MEDIAN	D1-1	FORDEM AV (RIGHT ARROW)	--- x 15	---	---	---	---	---	---	---	---	STREET NAME SIGNS PROVIDED AND INSTALLED BY OTHERS; INSTALL ON SAME POSTS AS SIGN 4-16
	4 - 18	93+25	LT	---	COVERED SPECIAL EVENT SIGN	--- x ---	---	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
	4 - 19	93+25	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
	4 - 20	94+50	LT	M1-94H	FORDEM AV OVERHEAD STREET NAME SIGN	--- x 18	---	---	---	---	---	1	---	---	STREET NAME SIGNS PROVIDED BY OTHERS; SIGN INSTALLED BY CONTRACTOR
	4 - 21	10+60 FO	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	---	10	---	
	4 - 22	11+00 FO	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	---	10	---	
	4 - 23	96+80	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	4 - 24	97+70	LT	R8-8	DO NOT STOP ON TRACKS	24 x 30	5.00	---	---	---	1	---	10	---	
	4 - 25	97+60	MEDIAN	R8-8	DO NOT STOP ON TRACKS	24 x 30	5.00	---	---	---	1	---	10	---	
	4 - 26	13+50 FO	LT	W10-4L	T INTERSECTION WITH TRACKS ON LEFT SIDE	36 x 36	---	---	9.00	---	1	---	12	---	
	4 - 27	14+60 FO	LT	R3-8F	LEFT ONLY/RIGHT ONLY	36 x 30	7.50	---	---	---	1	---	10	---	
	5 - 1	98+25	RT	D11-1 (MOD.)	BIKE ROUTE (SYMBOL AND WORD MESSAGE)	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	5 - 2	98+60	RT	---	PUBLIC WASTE OIL COLLECTION POINT	--- x ---	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	5 - 3	99+40	RT	R10-11B	NO TURN ON RED	24 x 24	4.00	---	---	---	---	---	---	---	INSTALL ON SIGNAL POLE
	5 - 4	100+90	RT	D11-1 (MOD.)	BIKE ROUTE (SYMBOL AND WORD MESSAGE)	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	5 - 5	100+85	RT	R10-11	NO TURN ON RED	24 x 30	5.00	---	---	---	---	---	---	---	INSTALL ON SIGNAL ARM
	5 - 6	100+85	RT	M1-94H	N FIRST ST OVERHEAD STREET NAME SIGN	--- x 18	---	---	---	---	---	1	---	---	STREET NAME SIGNS PROVIDED BY OTHERS; SIGN INSTALLED BY CONTRACTOR
	5 - 7	102+00	MEDIAN	J3-1	SOUTH STH 113 RIGHT DIRECTIONAL ASSEMBLY	24 x 57	9.50	---	---	---	1	---	---	12	SOUTH STH 113 RIGHT
	5 - 8	103+00	MEDIAN	J13-1	HOSPITAL LEFT DIRECTIONAL ASSEMBLY	24 x 45	7.50	---	---	---	1	---	---	11	SIGN CODES D9-2, MB6-1
	5 - 9	100+85	MEDIAN	R3-4	NO UTURN SYMBOL	24 x 24	4.00	---	---	---	---	---	---	---	INSTALL ON SIGNAL POLE
	5 - 10	98+35	MEDIAN	R3-4	NO UTURN SYMBOL	24 x 24	4.00	---	---	---	1	---	10	---	
	5 - 11	98+80	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	5 - 12	99+15	MEDIAN	W10-1	RAILROAD CROSSING	36 x 36	---	---	7.07	---	1	---	12	---	
	5 - 13	99+15	MEDIAN	W10-9P	NO TRAIN HORN	30 x 24	---	---	5.00	---	---	---	---	---	INSTALL BELOW SIGN 5-12
	5 - 14	99+20	LT	W10-1	RAILROAD CROSSING	36 x 36	---	---	7.07	---	1	---	12	---	
	5 - 15	99+20	LT	W10-9P	NO TRAIN HORN	30 x 24	---	---	5.00	---	---	---	---	---	INSTALL BELOW SIGN 5-14
	5 - 16	99+50	LT	M1-94H	N FIRST ST OVERHEAD STREET NAME SIGN	--- x 18	---	---	---	---	---	1	---	---	STREET NAME SIGNS PROVIDED BY OTHERS; SIGN INSTALLED BY CONTRACTOR
	5 - 17	99+50	MEDIAN	---	GROUND MOUNTED STREET NAME SIGNS	--- x ---	---	---	---	---	---	---	---	---	STREET NAME SIGNS PROVIDED AND INSTALLED BY OTHERS; INSTALL ON SIGNAL POLE
	5 - 18	99+60	MEDIAN	R3-4	NO UTURN SYMBOL	24 x 24	4.00	---	---	1	---	---	10	---	
	5 - 19	100+45	LT	M1-94H	E JOHNSON ST OVERHEAD STREET NAME SIGN	--- x 18	---	---	---	---	---	1	---	---	STREET NAME SIGNS PROVIDED BY OTHERS; SIGN INSTALLED BY CONTRACTOR
	5 - 20	100+45	LT	R10-11	NO TURN ON RED	24 x 30	5.00	---	---	---	---	---	---	---	INSTALL ON SIGNAL ARM
	5 - 21	100+45	LT	---	COVERED SPECIAL EVENT SIGN	--- x ---	---	---	---	---	---	---	---	---	SIGN PROVIDED AND INSTALLED BY OTHERS; INSTALL ON SIGNAL POLE
	5 - 22	101+50	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	6 - 1	105+30	MEDIAN	R3-7L	LEFT LANE MUST TURN LEFT	30 x 30	6.25	---	---	---	1	---	---	10	
	6 - 2	105+80	MEDIAN	W1-6	NIGHT ARROW (SINGLE)	48 x 24	---	---	8.00	---	1	---	---	10	
	6 - 3	107+50	LT	W1-1R	RIGHT TURN	36 x 36	---	---	9.00	---	---	---	---	---	INSTALL ON EXISTING POLE
	6 - 4	107+50	LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	---	2.25	---	---	---	---	---	INSTALL BELOW SIGN 6-3
					SHEET TOTALS		94.50	0.00	76.53	4	24	6	174	43	

CON'T NEXT PAGE

CON'T FROM PREVIOUS

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 637.2220 637.2230 SIGNS TYPE II REFLECTIVE H SF	SH SF	F SF	SPV.0060.003 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.002 PRECAST SIGN POST BASE EACH	SPV.0060.004 ERECTING CITY OWNED SIGNS EACH	SPV.0090.009 SIGN POST LF	SPV.0090.010 REFLECTIVE SIGN POST LF	REMARKS
0010	6 - 5	107+50	MEDIAN	W1-1R	RIGHT TURN	36 x 36	---	---	9.00	---	1	---	---	12	
(CON'T)	6 - 6	107+50	MEDIAN	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	---	2.25	---	---	---	---	---	INSTALL BELOW SIGN 6-5
	6 - 7	104+00	MEDIAN	R3-5L	ARROW UP LEFT/ONLY	42 x 48	14.00	---	---	---	---	---	---	---	INSTALL ON OVERHEAD SIGN SUPPORT
	6 - 8	104+00	MEDIAN	R3-5L	ARROW UP LEFT/ONLY	42 x 48	14.00	---	---	---	---	---	---	---	INSTALL ON OVERHEAD SIGN SUPPORT
	6 - 9	104+00	MEDIAN	R14-1	TRUCK ROUTE	24 x 18	3.00	---	---	---	---	---	---	---	INSTALL ON POLE OF OVERHEAD SIGN SUPPORT
	6 - 10	104+00	MEDIAN	M6-1	ARROW- RIGHT LEFT OR AHEAD	21 x 21	3.06	---	---	---	---	---	---	---	INSTALL ON POLE OF OVERHEAD SIGN SUPPORT BELOW SIGN 6-9
	E6 - 1	104+80	MEDIAN	---	---	--- x ---	---	---	---	---	1	---	---	---	INSTALL NEW PRECAST SIGN POST BASE FOR EXISTING SIGN TO BE MOVED
	7 - 1	11+25 FI	RT	---	PUBLIC WASTE OIL COLLECTION POINT	--- x ---	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	7 - 2	11+15 FI	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	---	---	---	---	---	INSTALL ON SIGNAL POLE
	7 - 3	11+75 FI	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	7 - 4	12+40 FI	RT	R3-17	BIKE LANE (BIKE SYMBOL)	30 x 24	---	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE. SIGN PROVIDED AND INSTALLED BY OTHERS
	7 - 5	12+40 FI	RT	R2-1	SPEED LIMIT 25 MPH	24 x 30	5.00	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE
	7 - 6	13+55 FI	RT	J1-2	END STH 113; JCT USH 151 ASSEMBLY	48 x 39	13.00	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE
	7 - 7	14+25 FI	RT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	---	1	---	10	---	
	7 - 8	14+25 FI	RT	R1-1	STOP	30 x 30	5.18	---	---	---	---	---	---	---	INSTALL BACK TO BACK ON SAME POST AS SIGN 7-7
	7 - 9	14+45 FI	RT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	---	1	---	10	---	
	7 - 10	14+45 FI	RT	R1-1	STOP	30 x 30	5.18	---	---	---	---	---	---	---	INSTALL BACK TO BACK ON SAME POST AS SIGN 7-9
	7 - 11	14+55 FI	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	1	---	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
	7 - 12	15+00 FI	RT	R3-8J	LEFT AHEAD RIGHT/RIGHT ONLY ARROW	42 x 30	8.75	---	---	---	---	---	---	---	INSTALL ON LIGHT POLE
	7 - 13	11+20 FI	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	---	---	10	
	7 - 14	13+48 FI	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	---	---	10	
	7 - 15	12+70 FI	LT	R3-6R	ARROW RIGHT AND AHEAD	42 x 48	14.00	---	---	---	---	---	---	---	INSTALL ON EXISTING SIGN SUPPORT
	7 - 16	14+50 FI	LT	R3-8U	LEFT ONLY/LEFT ONLY/ AHEAD RIGHT/RIGHT ONLY	72 x 30	15.00	---	---	---	2	---	---	20	
	7 - 17	15+55 FI	RT	J13-1	HOSPITAL RIGHT DIRECTIONAL ASSEMBLY	24 x 45	7.50	---	---	---	1	---	---	11	SIGN CODES D9-2, MB6-1
	7 - 18	11+15 FI	LT	R10-11B	NO TURN ON RED	24 x 24	4.00	---	---	---	---	---	---	---	INSTALL ON SIGNAL POLE
					SHEET TOTALS		139.17	0.00	11.25	2	10	0	20	63	
					TOTALS		290.85	4.69	144.03	9	56	6	323	106	

MOVING SIGNS SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN MESSAGE	*638.2102 MOVING SIGNS TYPE II EACH
0010	E6 - 1	104+80	MED	AIRPORT GUIDE SIGN	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MOVING STRUCTURAL STEEL SIGN SUPPORTS SUMMARY

CATEGORY	STATION - STATION	LOCATION	*SPV.0060.065 CONCRETE BASE TYPE LB-8 EACH	638.4100 MOVING STRUCTURAL STEEL SIGN SUPPORTS EACH
0010	103+15 - 104+00	RT	1	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL SIGNS - MISCELLANEOUS

CATEGORY	STAGE	*638.2102 MOVING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF CYCLES	NUMBER OF SIGNS	EACH
0010	STAGE 1A	---	1	3	3
	STAGE 1B	3	1	3	3
	STAGE 2	11	1	1	1
	STAGE 3	7	2	2	4
	STAGE 4	3	1	2	2
	TOTALS	24			13

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	LOCATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS QTY	643.0300 DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III QTY	643.0420 BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A QTY	643.0705 TYPE A DAY	643.0715 TYPE C QTY	643.0715 TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS QTY	643.0800 ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS QTY	643.0900 SIGNS DAY	643.1050 SIGNS PCMS QTY	643.1050 PCMS DAY
0010	ADVANCE WARNING	STAGE 1A	16	---	---	---	---	---	---	---	---	---	---	---	---	14	224	---	---
		STAGE 1B	25	---	---	---	---	---	---	---	---	---	---	---	---	39	975	---	---
		STAGE 2	61	---	---	---	---	---	---	---	---	---	---	---	---	40	2,440	---	---
		STAGE 3	75	---	---	---	---	---	---	---	---	---	---	---	---	37	2,775	---	---
		STAGE 4	36	---	---	---	---	---	---	---	---	---	---	---	---	37	1,332	---	---
		STAGE 4A & 4B	30	---	---	---	---	---	---	---	---	---	---	---	---	22	660	---	---
		STAGE 5	6	---	---	---	---	---	---	---	---	---	---	---	---	37	222	---	---
		SUBTOTALS (ADVANCE WARNING)			0		0	0	0		0		0		0		8,628		0
	DETOURS	NB FORDEM AVE. (STAGES 2A & 2B)	21	---	---	---	---	---	---	---	---	---	---	---	---	42	882	---	---
		SB FORDEM AVE. (STAGE 5)	3	---	---	---	---	---	---	---	---	---	---	---	---	28	84	---	---
		OUTBOUND JOHNSON ST. (STAGES 3 & 5)	9	---	---	---	---	---	---	---	---	---	---	---	---	44	396	---	---
		INBOUND JOHNSON ST. (STAGE 3)	3	---	---	---	---	---	---	---	---	---	---	---	---	55	165	---	---
		SUBTOTALS (DETOUR)			0		0	0	0		0		0		0		1,527		0
	ALT. ROUTE		250	---	---	---	---	---	---	---	---	---	---	---	---	88	22,000	---	---
	STAGE 1A		16	67	1,072	13	208	---	---	26	416	14	224	1	16	16	256	4	56
	STAGE 1B		25	474	11,850	48	1,200	---	---	80	2,000	32	800	3	75	50	1,250	4	28
	STAGE 2		61	500	30,500	132	8,052	165	165	198	12,078	88	5,368	3	183	133	8,113	4	28
	STAGE 3		75	456	34,200	89	6,675	125	125	143	10,725	85	6,375	2	150	93	6,975	4	28
	STAGE 4		36	448	16,128	52	1,872	---	---	84	3,024	24	864	2	72	49	1,764	4	28
	STAGE 4A & 4B		30	238	7,140	26	780	---	---	44	1,320	22	660	3	90	32	960	4	28
	STAGE 5		6	448	2,688	52	312	---	---	84	504	24	144	3	18	49	294	4	28
		SUBTOTALS			103,578		19,099	290	290		30,067		14,435		604		19,612		224
		UNDISTRIBUTED			5,179		955	44	15		1,503		722		30		2,588		11
		TOTALS			108,757		20,054	334	305		31,570		15,157		634		54,355		235

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	5992-09-14	1

TEMPORARY PEDESTRIAN FACILITIES

CATEGORY	STAGE	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601.S TEMPORARY CURB RAMP EACH
0010	STAGE 1A	85	390	---
	STAGE 1B	---	---	1
	STAGE 2	530	185	2
	STAGE 2A	110	25	1
	STAGE 2B	265	35	1
	STAGE 3	145	235	1
	STAGE 3C	200	---	1
	UNDISTRIBUTED	200	130	2
	TOTALS	1,535	1,000	9

MARKING

CATEGORY	STATION - STATION	LOCATION	646.1020 LINE EPOXY 4-INCH (WHITE) LF	646.1020 LINE EPOXY 4-INCH (DOUBLE YELLOW) LF	646.1020 LINE EPOXY 4-INCH (5' SEG., 5' GAP) (WHITE) LF	646.1020 LINE EPOXY 4-INCH (5' SEG., 5' GAP) (YELLOW) LF	646.1020 LINE EPOXY 4-INCH (WHITE SKIP 10' SEG., 30' GAP) LF	646.3020 LINE EPOXY 8-INCH (WHITE) LF	646.3020 LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG., 6' GAP) LF	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.5220 SYMBOL EPOXY EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8020 CORRUGATED MEDIAN EPOXY SF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH	SPV.0090.011 LINE EPOXY 6-INCH (WHITE) LF	SPV.0090.011 LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG., 6' GAP) LF	SPV.0090.012 CROSSWALK EPOXY TRANSVERSE LINE 12-INCH LF	SPV.0090.013 CROSSWALK EPOXY TRANSVERSE LINE 18-INCH (1.5' SEG., 1.5' GAP) LF	SPV.0090.014 CROSSWALK EPOXY LADDER PATTERN 18-INCH LF	SPV.0090.015 STOP LINE EPOXY 24-INCH LF	SPV.0165.001 COLORED CROSSWALK (RED) SF	SPV.0165.001 COLORED CROSSWALK (GREEN) SF
0010	74+97.07 - 81+00	RT/LT	---	---	---	---	245	235	40	3	---	---	---	220	---	26	1	---	---	---	---	255	43	540	---
	81+00 - 86+50	RT/LT	---	1,000	---	---	235	---	---	---	---	---	---	69	---	56	5	---	---	---	---	145	14	---	---
	86+50 - 94+00	RT/LT	---	180	---	---	370	200	24	1	---	---	2	---	227	10	3	---	---	---	---	145	---	---	---
	94+00 - 99+44.28	RT/LT	40	1,420	59	---	260	1,200	125	13	5	7	3	285	---	205	6	685	37	---	---	---	175	---	---
	99+44.28 - 113+69	RT/LT	---	---	160	52	335	325	395	6	3	1	---	335	---	31	3	110	---	155	77	---	130	---	800
	11+19 Fl - 19+20 Fl	RT/LT	---	405	---	---	265	520	---	15	4	4	---	130	86	6	2	1,110	---	---	---	---	---	---	---
	TOTALS		40	3,005	219	52	1,710	2,480	584	38	12	12	5	1,039	313	334	20	1,905	37	155	77	545	362	540	800
	ITEM TOTALS		5,026					3,064										1,942						1,340	

MARKING REMOVAL SPECIAL MARKING

CATEGORY	STAGE	646.9300 ARROWS EACH	646.9300 SYMBOLS EACH	646.9310 WATER BLASTING ARROWS EACH	646.9310 WATER BLASTING SYMBOLS EACH	646.9310 WATER BLASTING WORDS EACH
0010	STAGE 1A	---	---	3	1	2
	STAGE 2	4	2	9	---	5
	STAGE 3	---	---	2	---	2
	SUBTOTALS	4	2	14	1	9
	TOTALS	6		24		

MARKING REMOVAL LINE

CATEGORY	STAGE	646.9000 4-INCH WATER BLASTING (SOLID) LF	646.9000 4-INCH WATER BLASTING (SKIPS) LF	646.9010 4-INCH WATER BLASTING (SOLID) LF	646.9010 4-INCH WATER BLASTING (SKIPS) LF	646.9100 8-INCH WATER BLASTING (SOLID) LF	646.9110 8-INCH WATER BLASTING (SOLID) LF	646.9110 8-INCH WATER BLASTING (SKIPS) LF	646.9200 WIDE LF
0010	STAGE 1B	---	---	---	80	---	---	15	---
	STAGE 2	560	320	955	360	16	375	6	110
	STAGE 3	---	---	---	335	---	69	---	---
	TOTALS	880		1,730		16	465		110

TEMPORARY MARKING LINE SUMMARY

CATEGORY	STAGE	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	(DOUBLE YELLOW) LF	(YELLOW) (5' SEG. 5' GAP) LF	(WHITE) LF	(WHITE) (3' SEG. 9' GAP) LF	(WHITE) (10' SEG. 30' GAP) LF	649.0250 8-INCH (WHITE) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	(DOUBLE YELLOW) LF	(YELLOW) (5' SEG. 5' GAP) LF	(YELLOW) (3' SEG. 9' GAP) LF	(WHITE) LF	(WHITE) (3' SEG. 9' GAP) LF	(WHITE) (10' SEG. 30' GAP) LF	649.0205 8-INCH WHITE LF	(WHITE) (5' SEG. 5' GAP) LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	649.0850 REMOVABLE TAPE 18-INCH LF	646.5305 MARKING RAILROAD CROSSING PAINT EACH
0010	STAGE 1A	205	---	---	125	---	---	---	---	---	---	---	---		---	---	---	---	---	---
	STAGE 1B	515	---	---	275	---	---	---	295	---	---	---	295	---	---	37	---	---	---	---
	STAGE 2	1,150	2,030	17	2,350	125	---	725	345	5,170	195	---	1,090	---	---	330	---	98	23	2
	STAGE 2A	---	---	---	---	---	---	---	---	420	---	56	295	---	---	120	---	12	---	---
	STAGE 2A	---	435	---	215	---	---	---	---	185	---	11	115	---	---	285	---	24	---	---
	STAGE 3	1,910	1,830	60	1,790	205	85	595	205	4,610	72	---	2,140	24	---	480	---	130	23	2
	STAGE 3A	220	---	---	270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	STAGE 3B	115	---	21	410	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	STAGE 3C	455	---	100	500	---	---	400	---	---	---	---	---	---	---	---	---	---	24	---
	STAGE 3D	---	---	---	725	---	---	255	---	---	---	---	---	---	---	---	---	---	---	---
	STAGE 4	400	---	---	275	---	140	430	73	---	---	---	---	---	290	965	195	105	---	5
	STAGE 4A & B	---	---	---	360	---	---	---	---	---	---	---	125	---	485	80	---	20	---	---
	SUBTOTALS	4,970	4,295	198	7,295	330	225	2,405	918	10,385	267	67	4,060	24	775	2,297	195	389	70	9
	TOTALS	17,313						2,405	16,496							2,492		389	70	9

3

CONSTRUCTION STAKING

CATEGORY	STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.7000 CONCRETE PAVEMENT LF	650.9000 CURB RAMPS EACH	650.9920 SLOPE STAKES LF
0010	74+97.07 - 81+00	RT/LT	1,100	1,100	---	5	1,100
	81+00 - 86+50	RT/LT	1,100	1,100	---	6	1,100
	86+50 - 94+00	RT/LT	1,500	1,500	---	4	1,500
	94+00 - 99+44.28	RT/LT	1,310	1,310	---	8	1,310
	99+44.28 - 104+86.50	RT/LT	1,180	---	1,180	12	1,180
	11+19 FI - 16+06.55 FI	RT/LT	490	---	490	3	490
	10+00 YP - 11+73.68 YP	RT/LT	260	260	---	---	260
	TOTALS		6,940	5,270	1,670	38	6,940

SAWING

CATEGORY	STATION - STATION	LOCATION	*690.0150 ASPHALT LF	*690.0250 CONCRETE LF	REMARKS
0010	74+97.07 - 81+00	RT/LT	320	245	---
	81+00 - 86+50	RT/LT	54	150	---
	86+50 - 94+00	RT/LT	---	150	---
	94+00 - 99+44.28	RT/LT	175	40	---
	99+44.28 - 104+86.50	RT/LT	---	700	---
	11+19 FI - 16+06.55 FI	RT/LT	41	550	---
	10+00 YP - 11+73.68 YP	RT/LT	45	25	---
	STAGE 4 (ALL STATIONS)	RT/LT	1,370	---	FOR REMOVING 1-FOOT WIDE STRIP OF HMA TO INSTALL CURB & GUTTER
	UNDISTRIBUTED	RT/LT	400	370	---
	TOTALS		2,405	2,230	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL SAWING

CATEGORY	STAGE	STATION - STATION	LOCATION	*690.0150 SAWING ASPHALT LF	*690.0250 SAWING CONCRETE LF
0010	STAGE 1B	81+09 - 90+45	RT	---	940
		99+50 - 99+84	RT	---	37
	STAGE 2	94+67	LT	---	27
		95+32 - 95+70	RT/LT	---	110
		97+07 - 98+73	RT	---	170
		99+84 - 100+91	RT	---	110
		10+74 - 15+59	LT	---	535
	STAGE 2A	95+00 - 95+81	RT/LT	---	140
	STAGE 2B	93+50 - 94+99	RT	---	160
	STAGE 3	77+45 - 7+83	RT	---	68
		99+50 - 99+58	RT	---	35
		99+81 - 99+84	RT	---	44
		100+23 - 100+29	RT	---	100
	STAGE 3C	100+23 - 100+59	RT	22	48
	---	UNDISTRIBUTED	---	6	380
		TOTALS		28	2,904

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ITS REMOVALS

CATEGORY	FROM	TO	LINEAR DISTANCE	*204.0195 REMOVING CONCRETE BASES EACH	674.0300 REMOVE CABLE LF	677.9051.S REMOVING 50-FOOT CAMERA POLE EACH	677.9200.S REMOVING CCTV CAMERA EACH	SPV.0060.012 REMOVING POLE MOUNTED CABINET EACH	SPV.0060.013 REMOVING COMMUNICATIONS VAULT EACH
0010	EX-CCTV-13-0022	EXCV01	10	1	10	1	1	1	--
	EXCV01	EXV02	70	--	70	--	--	--	1
	EXV02	EXV03	105	--	105	--	--	--	--
	EXV03	EXV04	90	--	90	--	--	--	--
	EXV04	EXV05	415	--	415	--	--	--	--
	EXV05	EXMH01	480	--	480	--	--	--	--
		TOTALS		1	1,170	1	1	1	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROPERTY CORNERS

CATEGORY	STATION - STATION	LOCATION	SPV.0060.010 LOCATE AND REFERENCE PROPERTY CORNERS EACH	SPV.0060.011 RESET PROPERTY CORNERS EACH
0010	81+00 - 86+50	RT/LT	1	1
	86+50 - 94+00	RT/LT	1	1
	TOTALS		2	2

PAVEMENT CLEANUP

CATEGORY	LOCATION	SPV.0170.001 STA
0010	EAST JOHNSON STREET	57
	FORDEM AVENUE	4
	FIRST STREET	12
	YAHARA PATH/THORNTON AVENUE	2
	TOTAL	75

EXCAVATING, LOADING, HAULING, AND LANDFILL TREATMENT OR DISPOSAL OF CONTAMINATED SOIL

CATEGORY	STATION - STATION	LOCATION	*SPV.0195.001 TON
0060	89+90 - 90+70	LT	60
	99+00 - 100+00	LT	340
	UNDISTRIBUTED	---	500
	TOTAL		900

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	*SPV.0060.100 EACH
0010	WISCONSIN & SOUTHERN RAILROAD SIGNAL CONDUIT	4
	STORM SEWER LATERAL TIE-INS AT EXISTING STORM BOX	8
	STA. 94+68 37' LT - MG&E DUCT PACKAGE & PROPOSED SIGNAL POLE	1
	STA. 94+93 51' LT - MG&E DUCT PACKAGE & PROPOSED SIGNAL POLE	1
	STA. 96+71 19' RT - MG&E DUCT PACKAGE & PROPOSED STORM SEWER	1
	STA. 97+62 18' RT - MG&E DUCT PACKAGE & PROPOSED STORM SEWER	1
	STA. 100+85 25' RT - MG&E DUCT PACKAGE & PROPOSED SIGNAL POLE	1
	STA. 104+00 26' RT - MG&E DUCT PACKAGE & PROPOSED SIGN BASE	1
	STA. 100+00 LT - MG&E GAS MAIN & PROPOSED SIGNAL POLE	1
	STA. 100+50 LT - MG&E GAS MAIN & PROPOSED SIGNAL POLE	1
	STA. 100+90 LT - MG&E GAS MAIN & PROPOSED SIGNAL POLE	1
	UNDISTRIBUTED	10
	TOTAL	31

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SLURRY BACKFILL

CATEGORY	LOCATION	*SPV.0060.007 EACH
0010	11+36 FI, 35' RT	1
	UNDISTRIBUTED	4
	TOTAL	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONDUIT AND WIRE

			*652.0235	*652.0225	*652.0215	652.0325	655.0620	655.0625	*655.0615	
			CONDUIT RIGID NONMETALLIC (LIGHTING)				ELECTRICAL WIRE LIGHTING			
			SCHEDULE 40			SCHEDULE 80				
			3-INCH	2-INCH	1 1/4-INCH	2-INCH	8 AWG	6 AWG	10 AWG	
CATEGORY	FROM	TO	LF	LF	LF	LF	LF	LF	LF	COMMENT
0030	HH4	SL3974	-	-	-	-	57	171	-	1-2"
	HH4	BIKE PATH L725	-	9	-	-	170	510	-	1-2"
	HH4	SL3972	-	15	-	-	180	540	-	1-2"
	HH4	TOWARD SL3976	-	170	-	-	204	612	-	1-2"
	SL3972	SL3970	-	17	-	-	202	606	-	1-2"
	SL3970	SL3968	-	192	-	-	272	816	-	1-2"
	SL3968	SL3966	-	262	-	-	264	792	-	1-2"
	HH11	EXISTING FROM SL3967	-	254	-	-	244	732	-	1-2"
	SL3966	SL3963	-	69	-	210	-	-	310	1-2"
	HH10	HH11	-	90	-	59	138	414	-	1-2"
	HH11	HH12	-	0	-	-	59	177	-	1-2"
	HH12	SL1964	-	49	-	-	44	132	-	1-2"
	SL1964	SL1964-1	-	34	-	-	62	186	-	1-2"
	HH12	HH13	-	52	-	151	-	-	161	1-2"
	HH10	HH15	-	0	-	210	656	1968	-	1-2"
	SL3963	SL3961	-	108	-	-	190	570	-	1-2"
	SL3961	SL3959	-	180	-	-	176	528	-	1-2"
	HH13	SL3962	-	166	-	-	-	-	176	1-2"
	SL3962	SL3961-1	-	57	-	-	174	522	-	1-2"
	SL3659	HH17	-	164	-	-	144	432	-	1-2"
	HH15	HH17	-	134	-	-	772	2316	-	1-2"
	SL3961-1	SL3960	-	376	-	-	174	522	-	1-2"
	SL3960	HH20	-	164	-	45	161	483	-	1-2"
	HH20	SL3955	-	106	-	40	118	354	-	1-2"
	HH19	HH20	-	68	-	45	110	330	-	1-2"
	HH19	SL3958	-	-	-	-	36	108	-	1-3"
	HH19	HH17	8	-	-	31	-	-	41	1-2"
	TC1	HH17	-	-	-	-	42	126	-	3-3"
	HH17	HH21	33	-	-	-	70	210	-	1-2"
	HH21	SL3957	-	-	-	-	52	156	-	1-3"
	HH21	HH23	16	-	-	51	61	183	-	1-2"
	HH23	SL3956	-	-	-	-	38	114	-	1-3"
	HH23	HH28	9	-	-	40	50	150	-	1-2"
	HH28	N FORDEM LIMIT	-	-	-	-	-	-	35	1-2"
	HH28	SL3954	-	-	-	-	78	234	-	1-3"
	HH29	HH30	29	-	-	62	-	-	72	1-2"
	HH30	HH25	-	-	-	41	-	-	51	1-2"
	HH25	SL3955	-	-	-	-	27	81	-	1-2"
	HH25	HH27	-	17	-	-	47	141	-	1-2"
	HH27	EXISTING PATH LIGHTING	-	37	10	-	114	342	-	1-1 1/4"
	HH27	HH32	-	-	-	40	117	351	-	1-2"
	HH32	HH36	-	67	-	50	200	600	-	1-2"
	HH32	SL3953	-	140	-	44	108	324	-	1-2"
	HH29	HH34	-	0	-	40	316	948	-	1-2"
	HH34	HH41	-	266	-	45	-	-	108	1-2"
	HH41	SL3939	-	-	-	-	28	84	-	1-3"
	SL3939	TOWARD SL3937	18	-	-	-	168	504	-	1-2"
	HH34	HH35	-	5	-	66	76	228	-	1-2"
	HH35	SL3952	-	0	-	-	98	294	-	1-2"
	HH41	HH42	-	39	-	76	86	258	-	1-2"
	HH35	HH36	-	0	-	48	58	174	-	1-2"
	HH42	HH46	-	0	-	73	83	249	-	1-2"
	LC2	HH36	-	0	-	-	40	120	-	1-3"
	LC2	HH37	10	-	-	-	110	330	-	1-3"
	HH37	SL3950	-	-	-	-	38	114	-	1-3"
	HH37	HH46	9	-	-	101	111	333	-	1-2"
	HH46	SL3940	-	-	-	-	100	300	-	1-2"
	SL3940	TOWARD SL3936	-	40	-	-	-	-	-	1-2"
	HH46	SL3942	-	-	-	-	62	186	-	1-3"
	HH37	SL3943	21	-	-	35	141	423	-	1-2"
	SL3943	SL3944	-	96	-	30	124	372	-	1-2"
	SL3944	SL3945	-	52	-	50	123	369	-	1-2"
	SL3945	TOWARD SL3946	-	127	107	-	167	501	-	1-1 1/4"
		TOTALS	153	3622	117	1683	7540	22620	954	

*ADDITIONAL QUANTITIES LISTED ELSWHERE

STREET LIGHTING

CATEGORY	STRUCTURE	STATION	OFFSET	*SPV.0060.064 CONCRETE BASE TYPE LB-3 EACH	SPV.0060.067 CONCRETE BASE TYPE M EACH	*SPV.0060.068 CONCRETE BASE OFFSET EACH	SPV.0060.051 POLES 30-FT 11 GAUGE, SINGLE SIMPLEX EACH	SPV.0060.052 POLES 30-FT 11 GAUGE, TWIN SIMPLEX EACH	SPV.0060.053 POLES 30-FT 7 GAUGE, SINGLE SIMPLEX EACH	SPV.0060.054 POLES 30-FT 7 GAUGE, TWIN SIMPLEX EACH	SPV.0060.056 ARM 10 FT, SIMPLEX EACH	SPV.0060.057 ARM 4 FT, SIMPLEX EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH	659.1120 LUMINAIRES UTILITY LED B EACH	SPV.0090.051 ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED LF	COMMENTS
0030	LC1	75+51.96	64.72 R	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING
	SL3976	76+16.71	27.00 L	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3975	77+1.07	54.44 R	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3974	78+1.71	28.68 L	1	-	-	-	1	-	-	2	-	-	2	-	72	-
	SL3973	78+84.09	45.98 R	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3972	79+78.74	27.54 L	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3971	80+92.62	34.80 R	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3970	81+69.35	25.96 L	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3969	83+5.61	34.50 R	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3968	84+29.17	24.73 L	1	-	-	1	-	-	-	1	-	-	1	-	-	-
	SL3967	85+56.42	33.97 R	1	-	-	1	-	-	-	1	-	-	1	-	-	-
	SL3966	86+82.71	26.86 L	1	-	-	1	-	-	-	1	-	-	1	-	-	-
	SL1964	87+77.49	29.81 R	1	-	-	1	-	-	-	1	-	-	-	1	36	-
	SL1964-1	87+49.49	67.51 R	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	SL3963	89+81.30	25.13 L	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	SL3962	90+6.32	28.22 R	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	SL3961	91+9.93	32.95 L	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	SL3960-1	91+67.62	45.56 R	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	SL3959	93+22.48	27.24 L	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	SL3960	93+34.54	48.68 R	1			1	-	-	-	1	-	-	-	1	36	-
	SL3957	10+32.80 FO	33.43 L	1	-	-	1	-	-	-	1	-	-	-	1	36	-
	SL3958	94+67.88	4.35 R	-	-	-	-	-	-	1	1	-	-	-	2	72	-
	SL3955	95+88.48	48.32 R	1	-	-	-	1	-	-	1	1	-	1	1	72	TYPE A FIXTURE OVER PATH
	SL3956	95+50.30	50.18 L	-	-	-	-	-	1	-	1	-	-	-	1	36	-
	SL3954	96+15.05	40.61 L	1	-	-	1	-	-	-	1	-	-	-	1	36	-
	SL3953	97+45.41	13.07 R	1	-	-	-	1	-	-	2	-	-	-	2	72	-
	SL3952	99+4.77	19.25 R	1	-	-	-	1	-	-	2	-	-	-	2	72	-
	SL3939	100+84.54	37.97 L	1	-	-	1	-	-	-	1	-	-	-	1	36	-
	SL3940	100+94.80	78.87 R	1	-	-	1	-	-	-	1	-	-	-	1	36	-
	SL3942	11+12.76 FI	55.46 L	1	-	-	1	-	-	-	1	-	-	-	1	36	-
	SL3943	12+40.77 FI	31.72 R	1	-	-	1	-	-	-	1	-	-	-	1	36	-
	SL3944	13+56.06 FI	31.62 R	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	SL3945	14+64.80 FI	31.00 R	1	-	-	1	-	-	-	1	-	-	1	-	36	-
	LC2	99+32.37	80.89 R	-	1	-	-	-	-	-		-	-	-	-	-	-
	SL3950	11+5.33 FI	45.50 R	1	-	-	1	-	-	-	1	-	1	-	2	72	CLAMP ON ARM OVER JOHNSON
UNDISTRIBUTED	---	---		-	-	3	-	-	-	-	-	-	-	-	-	-	CLAMP ON ARM OVER JOHNSON
TOTALS				24	1	3	20	4	1	1	29	1	1	21	18	1044	

*ADDITIONAL QUANTITIES LISTED ELSWHERE

LIGHTING CONTROL

CATEGORY	STRUCTURE	SPV.0060.050 LIGHTING CONTROL CABINET EACH	COMMENTS
0030	LC1	-	EXISTING
	LC2	1	
	TOTAL	1	

CONDUIT (SIGNALS)

CATEGORY	FROM	TO	*652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	*652.0215 CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHUDULE 80 3-INCH LF	COMMENT
0040	HH1	HH2	542	-	-	30	2-3"
	HH2	HH3	-	-	-	37	1-3"
	HH3	HH4	-	-	-	37	1-3"
	HH4	HH7	802	-	-	-	2-3"
	HH2	HH5	506	-	-	300	2-3"
	HH7	SB1	-	8	-	-	1-2"
	HH7	HH6	-	-	-	29	1-3"
	HH6	HH5	-	-	-	28	1-3"
	HH6	SB2	-	7	-	-	1-2"
	HH5	SB3	-	7	-	-	1-2"
	HH5	HH8	466	-	-	110	2-3"
	HH7	HH9	814	-	-	-	2-3"
	HH9	HH15	510	-	-	420	2-3"
	HH8	HH12	564	-	-	60	2-3"
	HH12	HH13	-	-	-	302	2-3"
	HH9	HH15	928	-	-	-	2-3"
	HH13	HH14	264	-	-	-	2-3"
	HH14	HH15	-	-	-	56	1-3"
	HH15	HH17	752	-	-	-	2-3"
	HH16	HH20	-	-	237	-	1-1 1/4"
	HH14	HH20	710	-	-	90	2-3"
	HH20	TS7	-	15	-	-	1-2"
	HH20	TS6	-	25	-	-	1-2"
	HH20	HH25	168	-	-	80	2-3"
	HH19	HH20	-	-	-	90	2-3"
	HH19	HH18	-	-	21	-	1-1 1/4"
	HH19	SL3958	8	-	-	-	1-3"
	HH19	HH17	0	-	-	62	2-3"
	TC1	TS1	9	-	-	-	1-3"
	TC1	HH17	33	-	-	-	3-3"
	HH17	TS2	-	16	-	-	1-2"
	HH17	HH21	120	-	-	-	2-3"
	HH21	SL3957	16	-	-	-	1-3"
	HH21	HH22	-	-	98	-	1-1 1/4"
	HH21	HH23	-	-	-	102	2-3"
	HH23	SL3956	9	-	-	-	1-3"
	HH23	HH28	-	-	-	80	2-3"
	HH28	HH24	-	-	-	148	2-3"
	HH28	N FORDEM LIMIT	25	-	-	-	1-3"
	HH28	TS3	-	14	-	-	1-2"
	HH28	SL3954	29	-	-	-	1-3"
	HH28	HH29	80	-	-	80	2-3"
	HH24	TS4	-	6	-	-	1-2"
	HH24	HH30	58	-	-	80	2-3"
	HH29	HH30	-	-	-	124	2-3"
	HH30	HH25	-	-	-	82	2-3"
	HH25	TS5	9	-	-	-	1-3"
	HH25	HH26	-	66	-	-	1-2"
	HH25	HH36	486	-	-	180	2-3"
	HH31	HH36	-	-	209	-	1-1 1/4"
	HH29	HH33	242	-	-	80	2-3"
	HH33	HH34	292	-	-	-	2-3"
	HH34	TS11	22	-	-	-	1-3"
	HH34	TS12	28	-	-	-	1-3"
	TS12	STUB N OF SIDEWALK	-	13	-	-	1-2"

CONDUIT (SIGNALS) (CONT'D)

CATEGORY	FROM	TO	*652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	*652.0215 CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHUDULE 80 3-INCH LF	COMMENT
0040	HH34	HH41	106	-	-	90	2-3"
	HH41	TS13	20	-	-	-	1-3"
	HH41	SL3939	18	-	-	-	1-3"
	HH34	HH35	-	-	-	132	2-3"
	HH35	TS10	-	13	-	-	1-2"
	HH35	TS9	-	8	-	-	1-2"
	HH41	HH42	-	-	-	152	2-3"
	HH42	TS14	9	-	-	-	1-3"
	HH42	HH43	-	27	-	-	1-2"
	HH43	HH44	-	106	-	-	1-2"
	HH44	HH45	-	80	-	-	1-2"
	HH42	HH40	780	-	-	-	2-3"
	HH35	HH36	-	-	-	96	2-3"
	HH42	HH46	-	-	-	146	2-3"
	TC2	HH36	45	-	-	-	3-3"
	LC2	TC2	10	-	-	-	1-3"
	TC2	TS18	-	15	-	-	1-2"
	TC2	TS19	10	-	-	-	1-3"
	TC2	HH37	114	-	-	-	3-3"
	TC2	TS8	-	8	-	-	1-2"
	HH37	SL3950	9	-	-	-	1-3"
	HH35	HH42	-	-	-	308	2-3"
	HH37	HH46	-	-	-	101	1-3"
	HH37	HH38	-	-	-	36	1-3"
	HH38	HH46	-	-	-	66	1-3"
	HH38	TS17	-	6	-	-	1-2"
	HH38	HH39	-	-	25	-	1-1 1/4"
	HH46	TS15	28	-	-	-	1-3"
	HH46	TS16	11	-	-	-	1-3"
	HH46	SL3942	21	-	-	-	1-3"
	HH46	TOWARD HH 47	-	-	31	-	1-1 1/4"
	HH37	HH48	-	-	105	-	1-1 1/4"
	HH37	HH50	640	-	-	230	2-3"
	HH50	MATCH AT N LIMIT	126	-	-	-	2-3"
		TOTALS	10439	440	726	4044	

*ADDITIONAL QUANTITIES LISTED ELSWHERE

3

TRAFFIC DETECTOR LOOPS

CATEGORY	LOOP NO.	STATION	OFFSET	CURB OFFSET (FT)	CURBLINE REFERENCE	SIZE	NO. TURNS	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF	COMMENT
0040	L1	92+43.36	27.94 R	17.5	S	6 x 6	3	42	107	-
	L2	92+43.04	39.91 R	5.5	S	6 x 6	3	30	83	-
	L3	-	-	-	-	3.5 x 6	3	-	-	CITY TO INSTALL
	L4	-	-	-	-	3.5 x 6	3	-	-	CITY TO INSTALL
	L5	94+40.08	12.50 R	5	N	6 x 25	3	67	196	-
	L6	10+48.64 FO	22.28 L	6.7	W	6 x 20	3	59	169	-
	L7	-	-	-	-	3.5 x 6	3	-	-	CITY TO INSTALL
	L8	10+87.61 FO	4.00 L	6.7	M	6 x 6	3	31	85	-
	L9	-	-	-	-	6 x 6	3	-	-	EXISTING
	L10	-	-	-	-	6 x 20	3	-	-	EXISTING
	L11	96+64.01	27.00 L	5	N	6 x 6	3	29	82	-
	L12	96+63.31	15.00 L	17	N	6 x 6	3	41	106	-
	L13	96+62.61	3.00 L	29	N	6 x 6	3	53	130	-
	L14	97+28.51	28.94 R	23.5	S	6 x 6	3	48	119	-
	L15	97+27.00	43.89 R	8.5	S	6 x 6	3	33	89	-
	L16	98+25.61	27.00 L	5	N	6 x 6	3	29	82	-
	L17	98+24.61	15.00 L	17	N	6 x 6	3	41	106	-
	L18	98+26.61	3.00 L	29	N	6 x 6	3	53	130	-
	L19	11+33.66 FI	4.50 L	5.5	M	6 x 6	3	30	83	-
	L20	11+32.66 FI	16.50 L	17.5	M	6 x 6	3	42	107	-
	L21	-	-	-	-	6 x 6	3	-	-	EXISTING
	L22	-	-	-	-	6 x 20	3	-	-	EXISTING
	L23	12+14.37 FI	4.00 L	33.5	W	6 x 6	3	58	139	-
	L24	12+13.37 FI	16.00 L	45.5	W	6 x 6	3	70	163	-
	L25	-	-	-	-	6 x 6	3	-	-	EXISTING
	L26	-	-	-	-	6 x 6	3	-	-	EXISTING
	L27	-	-	-	-	6 x 6	3	-	-	CITY TO INSTALL
	L28	101+18.87	17.00 L	5	M	6 x 6	3	29	82	-
	L29	-	-	-	-	6 x 6	3	-	-	CITY TO INSTALL
	L30	102+24.91	17.00 L	5	M	6 x 6	3	29	82	-
	L31	-	-	-	-	6 x 6	3	-	-	CITY TO INSTALL
	L32	-	-	-	-	6 x 6	3	-	-	CITY TO INSTALL
	L33	-	-	-	-	6 x 6	3	-	-	CITY TO INSTALL
							TOTALS	814	2140	

Offset is to front center of loop.

Curbline Reference:
- E: Curb EAST of loop
- W: Curb WEST of loop
- N: Curb NORTH of loop
- S: Curb SOUTH of loop
- M: Curb of Medial adjacent to loop

			CABLE & WIRE						
			*655.0230	*655.0240	655.0250	655.0260	*655.0615	SPV.0090.052	SPV.0090.050
			CABLE TRAFFIC SIGNAL				ELECTRIC WIRE LIGHTING	LOOP DETECTOR LEAD-IN CABLE	FIBER OPTIC CABLE
CATEGORY	FROM	TO	5-14 AWG LF	7-14 AWG LF	9-14 AWG LF	12-14 AWG LF	10 AWG LF	SPECIAL LF	144-COUNT LF
	FORDEM / JOHNSON INTERSECTION								
0040	TC1	TS1	21	-	-	-	-	-	-
	TC1	TS2	45	-	-	-	-	-	-
	TC1	SL3957	-	111	-	-	-	-	-
	TC1	SL3946	-	-	161	-	-	-	-
	TC1	TS3	212	-	-	-	-	-	-
	TS4	SL3954	227	-	-	-	-	-	-
	TC1	TS4	284	-	-	-	-	-	-
	TC1	TS5	219	-	-	-	-	-	-
	TC1	TS6	136	-	-	-	-	-	-
	TC1	TS7	-	-	126	-	-	-	-
	TC1	SL3958	-	-	-	68	-	-	-
	HH1	HH17	-	-	-	-	-	-	2420
	System Ground		-	-	-	-	960	-	-
	System Neutral		-	-	-	-	960	-	-
	Detector loop lead-in		-	-	-	-	-	2010	-
	FIRST - JOHNSON INTERSECTION								
0040	TC2	TS8	20	-	-	-	-	-	-
	TC2	TS9	-	-	-	95	-	-	-
	TC2	TS10	100	-		-	-	-	-
	TC2	TS11	-	-	181	-	-	-	-
	TC2	TS12	-	-	187	-	-	-	-
	TC2	TS13	283	-	-	-	-	-	-
	TC2	SL3939	-	-	281	-	-	-	-
	TC2	TS14	-	-	-	248	-	-	-
	TC2	TS15	-	-	188	-	-	-	-
	TC2	TS16	-	171	-	-	-	-	-
	TC2	SL3942	-		181	-	-	-	-
	TC2	TS17	-	104	-	-	-	-	-
	TC2	SL3950	-	-	65	-	-	-	-
	TC2	TS18	26	-	-	-	-	-	-
	TC2	TS19	-	-	22	-	-	-	-
	HH17	TC2	-	-	-	-	-	-	850
	TC2	SPLICE AT EAST WASH & FIRST	-	-	-	-	-	-	1400
	System Ground		-	-	-	-	850	-	-
	System Neutral		-	-	-	-	850	-	-
	Detector loop lead-in		-	-	-	-	-	2035	-
		TOTALS	1573	386	1392	411	3620	4045	4670

*ADDITIONAL QUANTITIES LISTED ELSWHERE

CABLE TRAFFIC SIGNAL

CATEGORY	AT POLE #	TO HEAD #	*655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	*655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF
	FORDEM/JOHNSON INTERSECTION			
0040	TS2	1	10	-
	SL3957	2	10	-
	SL3957	3	15	-
	SL3956	4	15	-
	SL3956	5	15	-
	SL3956	6	50	-
	TS3	7	10	-
	SL3954	8	15	-
	TS4	9	-	15
	TS5	10	60	-
	TS5	11	50	-
	TS7	12	10	-
	TS7	13	15	-
	SL3958	14	-	15
	SL3958	15	50	-
	SL3958	16	15	-
	SL3958	17	15	-
	TS1	18	60	-
	TS1	19	50	-
	FIRST/JOHNSON INTERSECTION			
0040	SL3950	1	10	-
	SL3950	2	15	-
	TS19	3	40	-
	TS19	4	15	-
	TS19	5	10	-
	TS8	6	-	15
	TS9	7	10	-
	TS9	8	15	-
	TS9	9	45	-
	TS10	10	10	-
	TS9	11	55	-
	TS11	12	60	-
	TS11	13	50	-
	TS11	14	40	-
	TS11	15	10	-
	TS12	16	15	-
	TS12	17	35	-
	TS12	18	-	45
	TS13	19	45	-
	TS13	20	35	-
	SL3939	21	10	-
	SL3939	22	15	-
	TS14	23	10	-
	TS14	24	15	-
	TS14	25	10	-
	TS14	26	50	-
	TS15	27	55	-
	TS15	28	45	-
	TS15	29	-	35
	TS15	30	10	-
	TS16	31	15	-
	TS16	32	40	-
	SL3942	33	10	-
	SL3942	34	15	-
	TS17	35	15	-
	TS17	36	15	-
		TOTALS	1310	125

*ADDITIONAL QUANTITIES LISTED ELSWHERE

PULLBOX SUMMARY

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.058 ELECTRICAL PULLBOX, TYPE I EACH	SPV.0060.059 ELECTRICAL PULLBOX, TYPE III EACH	SPV.0060.060 ELECTRICAL PULLBOX, TYPE V EACH	SPV.0060.061 ELECTRICAL PULLBOX, TYPE VII EACH	SPV.0060.062 ELECTRICAL UTILILIY ACCESS STRUCTURE EACH	COMMENTS
0040	HH1	75+42.93	63.2 R	-	-	-	-	-	EXISTING
	HH2	78+10.38	48.54 R	1	-	-	-	-	
	HH3	78+10.38	11.78 R	1	-	-	-	-	
	HH4	78+10.38	37.38 L	1	-	-	-	-	
	HH5	82+11.58	31.97 R	1	-	-	-	-	
	HH6	82+11.58	4.40 R	1	-	-	-	-	
	HH7	82+11.58	24.10 L	1	-	-	-	-	
	HH8	84+99.39	31.75 R	1	-	-	-	-	
	HH9	86+18.64	23.75 L	1	-	-	-	-	
	HH10	97+62.84	25.16 L	1	-	-	-	-	
	HH11	87+65.33	33.56 R	-	-	-	-	-	EXISTING
	HH12	88+05	33.50 R	1	-	-	-	-	
	HH13	89+54.9	37.87 R	1	-	-	-	-	
	HH14	90+80.31	32.36 R	1	-	-	-	-	
	HH15	90.82.96	23.75 L	1	-	-	-	-	
	HH16	92+43.36	47.17 R	1	-	-	-	-	
	HH17	94+57.29	27.57 L	-	-	-	-	1	
	HH18	94+40.23	5.18 R	-	1	-	-	-	
	HH19	94+60.28	3.26 R	-	-	1	-	-	
	HH20	94+80.64	43.12 R	-	-	-	1	-	
	HH21	10+47.51 FO	30.77 L	-	-	-	1	-	
	HH22	11+45.58 FO	30.13 L	-	-	-	-	-	EXISTING
	HH23	10+82.79 FO	4.88 R	-	-	1	-	-	
	HH24	95+50.89	3.29 R	-	-	-	-	1	
	HH25	96+3.71	45.95 R	-	-	-	-	1	
	HH26	95+79.72	104.14 R	-	1	-	-	-	
	HH27	96+40.19	47.22 R	1	-	-	-	-	
	HH28	11+10.47 FO	32.72 R	-	-	-	1	-	
	HH29	96+63.09	33.76L	-	-	-	1	-	
	HH30	96+17.71	7.81 R	-	-	-	-	-	EXISTING
	HH31	97+26.99	54.15 R	-	1	-	-	-	
	HH32	97+45.67	45.67'RT	1	-	-	-	-	
	HH33	98+24.61	33.76 L	1	-	-	-	-	
	HH34	99+69.46	34.01 L	-	-	-	1	-	
	HH35	99+41.85	24.71 R	-	-	-	1	-	
	HH36	99+33.34	71.37 R	-	-	-	-	1	
	HH37	11+9.95 FI	38.72 R	-	-	-	-	1	
	HH38	11+8.47 FI	3.26 R	1	-	-	-	-	
	HH39	11+33.15 FI	3.27 R	-	1	-	-	-	
	HH40	104+81.90	14.26 R	1	-	-	-	-	
	HH41	100+66.20	36.60 L	-	-	1	-	-	
	HH42	100+93.48	27.10 R	-	-	-	-	1	
	HH43	101+18.34	24.25 R	1	-	-	-	-	
	HH44	102+24.42	24.25 R	1	-	-	-	-	
	HH45	103+4.01	24.25 R	1	-	-	-	-	
	HH46	10+94.58 FI	61.25 L	-	-	-	-	1	
	HH47	11+40.31 FI	51.30 L	-	-	-	-	-	EXISTING
	HH48	12+14.02 FI	31.75 R	-	1	-	-	-	
	HH49	12+28.07 FI	51.10 L	-	-	-	-	-	EXISTING
	HH50	15+41.35 FI	29.25 R	1	-	-	-	-	
			TOTALS	23	5	3	6	7	

CONCRETE BASE (SIGNALS)

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.063 CONCRETE BASE TYPE G EACH	*SPV.0060.064 CONCRETE BASE TYPE LB-3 EACH	*SPV.0060.065 CONCRETE BASE TYPE LB-8 EACH	SPV.0060.066 CONCRETE BASE TYPE P EACH	*SPV.0060.068 CONCRETE BASE OFFSET EACH	654.0110 CONCRETE BASES TYPE 10 EACH	SPV.0060.069 TRANSFORMER BASE 16-INCH STEEL EACH	SPV.0060.070 TRANSFORMER BASE 20-INCH STEEL EACH	COMMENTS
0040	TC1	94+51.00	36.52 L	-	-	-	1	-	-	-	-	-
	TS1	94+47.06	28.96 L	-	-	-	-	-	1	-	-	-
	TS2	94+68.96	36.74 L	1	-	-	-	-	-	-	-	-
	SL3957	10+32.80 FO	33.43 L	-	1	-	-	-	-	1	-	-
	SL3958	94+67.88	4.35 R	-	-	1	-	-	-	-	1	15" BOLT CIRCLE
	TS7	94+66.71	44.66 R	1	-	-	-	-	-	-	-	
	TS6	95+4.54	46.71 R	1	-	-	-	-	-	-	-	-
	TS5	95+96.08	49.52 R	-	-	-	-	-	1	-	-	-
	SL3956	95+50.30	50.18 L	-	-	1	-	-	-	-	1	15" BOLT CIRCLE
	TS3	96+8.19	50.45 L	1	-	-	-	-	-	-	-	-
	SL3954	96+15.05	40.61 L	-	1	-	-	-	-	1	-	-
	TS4	95+50.04	9.00 R	1	-	-	-	-	-	-	-	-
	SB1	82+4.72	26.86 L	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	SB2	82+4.87	3.99 R	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	SB3	82+5.45	34.85 R	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	TS9	99+49.04	21.89 R	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	TS10	99+49.97	14.91 R	1	-	-	-	-	-	-	-	-
	TS11	99+48.82	35.18 L	-	-	-	-	-	1	-	-	-
	TS12	99+97.12	36.99 L	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	TS13	100+46.53	37.93 L	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	SL3939	100+84.54	37.97 L	-	1	-	-	-	-	1	-	-
	TS14	100+84.85	25.15 R	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	TS15	100+84.66	78.61 R	-	-	-	-	-	1	-	-	-
	TS16	10+94.62 FI	71.49 L	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	SL3942	11+12.76 FI	55.46 L	-	1	-	-	-	-	-	-	-
	TS17	11+14.16 FI	4.05 R	1	-	-	-	-	-	-	-	-
	TC2	99+43.01	81.91 R	-	-	-	1	-	-	-	-	-
	SL3950	11+5.33 FI	45.50 R	-	1	-	-	-	-	-	-	-
	TS8	99+42.29	74.66 R	1	-	-	-	-	-	-	-	-
	TS18	99+41.54	96.63 R	-	-	-	-	-	-	-	-	NO BASE, PIPE WITH BUTTON ONLY
	TS19	99+53.33	83.44 R	-	-	1	-	-	-	-	-	-
	UNDISTRIBUTED	---	---	-	-	-	-	3	-	-	-	-
			TOTALS	8	5	11	2	3	4	3	2	

*ADDITIONAL QUANTITIES LISTED ELSWHERE

TRAFFIC SIGNAL CONTROL CABINETS

CATEGORY	STRUCTURE	SPV.0060.071 TRAFFIC SIGNAL CONTROL CABINET EACH	SPV.0060.072 TRAFFIC SIGNAL CONTROLLER EACH	SPV.0060.073 MALFUNCTION MANAGEMENT UNIT (MMU) EACH	SPV.0060.074 TRAFFIC SIGNAL ETHERNET SWITCH EACH
0040	TC1	1	1	1	1
	TC2	1	1	1	1
	TOTALS	2	2	2	2

TRAFFIC SIGNAL POLES

CATEGORY	STRUCTURE	657.0100 PEDESTAL BASES EACH	657.0345 POLES TYPE 9 EACH	SPV.0060.055 POLES 20-FT 7 GAUGE EACH	SPV.0060.075 TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12-FOOT EACH	SPV.0060.076 15-FOOT EACH	SPV.0060.077 18-FOOT EACH	SPV.0060.078 22-FOOT EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0410 9-FT EACH	657.0430 10-FT EACH	657.0420 13-FT EACH	657.0525 MONOTUBE ARMS 25-FT EACH	657.0530 30-FT EACH
0040	TS1	-	1	-	-	-	-	-	-	-	-	-	1	-
	TS2	1	-	-	-	-	-	-	-	1	-	-	-	-
	SL3958	-	-	-	-	1	-	-	-	-	-	-	-	-
	TS7	1	-	-	-	-	-	-	-	-	1	-	-	-
	TS6	1	-	-	-	-	-	-	1	-	-	-	-	-
	TS5	-	1	-	-	-	-	-	-	-	-	-	1	-
	SL3956	-	-	-	-	1	-	-	-	-	-	-	-	-
	TS3	1	-	-	-	-	-	-	-	1	-	-	-	-
	TS4	1	-	-	-	-	-	-	-	-	1	-	-	-
	SB1	1	-	-	-	-	-	-	-	-	-	1	-	-
	SB2	1	-	-	-	-	-	-	-	-	-	1	-	-
	SB3	1	-	-	-	-	-	-	-	-	-	1	-	-
	TS9	-	-	1	-	1	-	-	-	-	-	-	-	-
	TS10	1	-	-	-	-	-	-	-	1	-	-	-	-
	TS11	-	1	-	-	-	-	-	-	-	-	-	-	1
	TS12	-	-	-	-	-	-	1	-	-	-	-	-	-
	TS13	-	-	-	-	-	-	1	-	-	-	-	-	-
	TS14	-	-	1	-	-	1	-	-	-	-	-	-	-
	TS15	-	1	-	-	-	-	-	-	-	-	-	-	1
	TS16	-	-	1	1	-	-	-	-	-	-	-	-	-
	TS17	1	-	-	-	-	-	-	-	-	1	-	-	-
	TS8	1	-	-	-	-	-	-	-	-	-	1	-	-
	TS18	-	-	-	-	-	-	-	1	-	-	-	-	-
	TS19	-	-	1	1	-	-	-	-	-	-	-	-	-
	TOTALS	11	4	4	2	3	1	2	2	3	3	4	2	2

		TRAFFIC SIGNALS						
		*SPV.0105.005	SPV.0060.079	SPV.0060.080	SPV.0060.081	SPV.0060.082	SPV.0060.083	658.0500
			TRAFFIC SIGNAL HEADS			BACKPLATES SIGNAL FACE,		
CATEGORY	STRUCTURE	OPTICAL SIGNAL PREEMPT	12-INCH, 3-SECTION EACH	12-INCH, 4-SECTION EACH	16-INCH PEDESTRIAN WITH COUNTDOWN EACH	3-SECTION 12-INCH EACH	4-SECTION 12-INCH EACH	PEDESTRIAN PUSH BUTTONS EACH
0040	TS1	1	2	-	-	2	-	-
	TS2	-	-	-	1	-	-	1
	SL3957	-	1	-	1	1	-	-
	SL3958	1	3	1	-	3	1	-
	TS7	-	1	-	1	1	-	1
	TS6	-	-	-	-	-	-	1
	TS5	1	2	-	-	2	-	-
	SL3956	-	3	-	-	3	-	-
	TS3	-	-	-	1	-	-	-
	SL3954	-	1	-	-	1	-	-
	TS4	-	-	1	-	-	1	-
	TS9	-	1	-	1	1	-	1
	TS10	-	3	-	1	2	-	1
	TS11	1	3	-	1	3	-	1
	TS12	-	1	1	-	1	1	-
	TS13	1	2	-	-	2	-	-
	SL3939	-	1	-	1	1	-	1
	TS14	-	1	-	2	1	-	1
	TS15	1	2	1	1	2	1	1
	TS16	-	2	-	-	2	-	1
	SL3942	-	1	-	1	1	-	1
	TS17	-	2	-	-	2	-	-
	SL3950	-	1	-	1	1	-	1
	TS8	-	-	1	-	-	1	-
	TS18	-	-	-	-	-	-	1
	TS19	-	2	-	1	2	-	1
	TOTALS	---	35	5	14	34	5	14

*FOR INFORMATION ONLY TO SHOW LOCATIONS; PAID FOR AS A SINGLE LUMP SUM FOR THE PROJECT

MISCELLANEOUS WATER MAIN ITEMS

STATION	OFFSET	SPV.0060.113 FURNISH AND INSTALL HYDRANT EACH	SPV.0060.114 CUT OFF EXISTING WATER MAIN EACH	SPV.0060.115 ABANDON WATER VALVE BOX EACH	SPV.0060.116 ABANDON HYDRANT EACH	*SPV.0060.117 ADJUST WATER VALVE BOX EACH	SPV.0060.118 FURNISH & INSTALL WATER VALVE 4-INCH EACH	SPV.0060.119 FURNISH & INSTALL WATER VALVE 6-INCH EACH	SPV.0060.120 FURNISH & INSTALL WATER VALVE 8-IN EACH	SPV.0060.121 FURNISH & INSTALL WATER VALVE 12-IN EACH	SPV.0060.124 CUT-IN CONNECTION EACH
76+20.25	44.9'RT	---	1	---	---	---	---	---	---	---	1
76+22.56	44.8'RT	---	---	---	---	---	---	---	---	1	---
76+28.24	44.6'RT	---	1		---	---	---	---	---	---	---
76+29.44	23.3'RT	---	---	1	---	---	---	---	---	---	---
76+36.27	33.5'RT	---	---	1	---	---	---	---	---	---	---
77+49.52	19.0'RT	---	2	---	---	---	---	---	---	---	1
77+48.90	8.0'RT	---	---	---	---	1	---	---	---	---	---
77+69.01	18.22'RT	---	---	1	---	---	---	---	---	---	---
81+49.24	46.8'RT	---	1	---	---	---	---	---	---	---	---
81+49.44	59.5'RT	---	---	---	---	---	1	---	---	---	1
81+66.44	16.0'RT	---	---	---	---	---	---	---	---	1	---
81+69.53	1.9'RT	---	---	1	---	---	---	---	---	---	---
81+69.97	46.7'RT	---	1	---	---	---	---	---	---	---	---
81+70.32	59.2'RT	---	---	---	---	---	---	---	---	1	1
81+91.23	15.9'RT	---	1	---	---	---	---	---	---	---	---
81+91.21	19.0'RT	---	---	---	---	---	---	1	---	---	---
81+91.25	36.4'RT	1	---	1	1	---	---	---	---	---	---
81+94.28	16.0'RT	---	---	---	---	---	---	---	---	1	---
84+55.04	3.8'RT	---	---	1	---	---	---	---	---	---	---
86+19.21	32.5'RT	---	---	---	---	---	---	1	---	---	---
86+19.21	37.0'RT	1	---	---	---	---	---	---	---	---	---
86+32.14	13.6'LT	---	---	---	---	1	---	---	---	---	---
86+35.53	1.0'RT	---	1	---	---	---	---	---	---	1	1
86+35.66	9.6'LT	---	---	---	---	1	---	---	---	---	---
86+88.40	16.6'LT	---	---	---	---	1	---	---	---	---	---
87+47.49	72.9'LT	1	---	---	1	---	---	---	---	---	---
87+50.09	72.4'RT	---	---	---	---	---	---	1	---	---	---
87+51.80	72.2'RT	---	---	1	---	1	---	---	---	---	2
90+26.80	30.3'LT	---	1	---	---	---	---	---	---	1	1
90+52.65	35.7'LT	---	---	1	---	---	---	---	---	---	---
92+46.75	31.1'LT	---	1	1	---	---	---	---	---	---	---
92+49.79	48.5'RT	---	---	---	1	---	---	---	---	---	---
92+55.39	12.8'LT	---	---	---	---	---	---	---	---	1	---
92+58.47	7.9'LT	---	---	---	---	---	---	1	---	---	---
92+59.12	48.3'RT	1	---	---	---	---	---	---	---	---	---
94+62.58	42.7'LT	---	2	---	---	---	---	---	---	---	1
94+74.79	27.7'LT	---	---	---	---	---	---	---	1	---	---
95+80.65	25.5'LT	---	---	---	---	---	---	---	---	1	---
95+80.92	47.8'LT	---	---	1	---	---	---	---	---	---	---
95+85.49	47.9'LT	---	2	---	---	---	---	---	---	---	1
95+86.02	51.6'LT	---	---	---	---	---	---	---	---	1	---
98+27.25	34.9'LT	---	---	1	---	---	---	---	---	---	---
98+48.30	45.1'LT	---	---	---	---	---	---	---	---	---	1
98+48.64	34.8'LT	---	2	1	---	---	---	---	---	---	---
98+52.25	27.8'LT	---	---	---	---	---	1	---	---	---	---
99+36.09	6.0'LT	---	---	---	---	---	---	---	---	1	---
99+44.10	33.3'LT	---	---	1	---	---	---	---	---	---	---
99+44.98	6.0'LT	---	1	---	---	1	---	---	---	---	1
100+15.92	4.5'LT	---	---	---	---	1	---	---	---	---	---
	SUBTOTALS	4	17	13	3	7	2	4	1	10	12

CON'T ON NEXT PAGE

EXCAVATING, LOADING, HAULING, AND LANDFILL TREATMENT OR DISPOSAL OF CONTAMINATED SOIL

STATION - STATION	LOCATION	*SPV.0195.001 TON
89+90 - 90+70	LT	230
99+00 - 100+00	LT	115
	TOTAL	345

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

612.0902.S.001
INSULATION BOARD POLYSTYRENE, 2-INCH

STATION (CENTER)	SY
78+66.60	1
81+16.23	1
82+54.52	1
84+50.05	1
85+41.79	1
85+62.05	1
92+40.12	1
95+47.59	1
99+41.58	1
UNDISTRIBUTED	4
TOTAL	13

*SPV.0060.100
UTILITY LINE OPENING (ULO)

LOCATION	EACH
UNDISTRIBUTED	2
TOTAL	

5992-09-15	0.1

SPV.0060.125
CLAY TRENCH PLUG

STATION	LOCATION	EACH
90+26.79	31.2'LT	1
92+45.00	12.7'LT	1
98+75.02	25.0'LT	1
99+43.33	6.0'LT	1
	TOTAL	4

ALL QUANTITIES ARE CATEGORY 0010

MISCELLANEOUS WATER MAIN ITEMS CON'T

STATION	OFFSET	SPV.0060.113 FURNISH AND INSTALL HYDRANT EACH	SPV.0060.114 CUT OFF EXISTING WATER MAIN EACH	SPV.0060.115 ABANDON WATER VALVE BOX EACH	SPV.0060.116 ABANDON HYDRANT EACH	*SPV.0060.117 ADJUST WATER VALVE BOX EACH	SPV.0060.118 FURNISH & INSTALL WATER VALVE 4-INCH EACH	SPV.0060.119 FURNISH & INSTALL WATER VALVE 6-INCH EACH	SPV.0060.120 FURNISH & INSTALL WATER VALVE 8-IN EACH	SPV.0060.121 FURNISH & INSTALL WATER VALVE 12-IN EACH	SPV.0060.124 CUT-IN CONNECTION EACH
10+75.51	15.1'LT	---	---	---	---	1	---	---	---	---	---
10+90.19	35.5'RT	1	---	---	---	---	---	---	---	---	---
10+99.48	15.9'LT	---	---	---	---	1	---	---	---	---	---
11+04.82	56.5'LT	---	---	---	1	---	---	---	---	---	1
11+05.68	19.9'LT	---	---	---	---	1	---	---	---	---	---
11+78.66	3.5'RT	---	---	1	---	---	---	---	---	---	---
11+90.42	18.3'LT	---	---	---	---	3	---	---	---	---	1
11+91.19	12.1'RT	---	---	---	---	---	---	1	---	---	---
11+91.38	35.4'RT	1	---	---	---	---	---	---	---	---	---
11+93.22	9.5'RT	---	---	1	1	---	---	---	---	---	---
13+10.77	17.5'LT	---	---	---	---	3	---	---	---	---	---
13+27.38	12.9'LT	---	---	---	---	1	---	---	---	---	---
15+11.59	6.7'LT	---	---	---	---	1	---	---	---	---	---
SUBTOTALS		2	---	2	2	11	---	1	---	---	2
TOTALS		6	17	15	5	18	2	5	1	10	14

WATER MAIN PIPES

STATION	- STATION		SPV.0090.100 WATER MAIN 24-INCH CASING PIPE LF	SPV.0090.107 FURNISH AND INSTALL WATER MAIN PIPE & FITTINGS, 4-INCH LF	SPV.0090.108 6-INCH LF	SPV.0090.109 8-INCH LF	SPV.0090.110 12-INCH LF	SPV.0090.111 SELECT FILL FOR WATER MAIN LF
76+20.25	-	77+50.33	---	---	---	---	131	131
77+50.33	-	77+49.52	---	---	---	17	---	17
77+50.33	-	81+63.43	---	---	---	---	415	415
81+63.43	-	81+63.73	---	---	---	---	34	34
81+49.44	-	81+49.70	---	17	---	---	---	17
81+49.24	-	81+70.27	---	---	---	---	34	34
81+63.43	-81+91.25		---	---	---	---	28	28
81+91.25			---	---	21	---	---	21
81+91.25	-	86+35.50	---	---	---	---	445	445
86+35.50			---	---	---	---	20	23
86+19.21			---	---	21	---	---	18
87+51.80			---	---	5	---	---	5
90+26.82	-	90+58.55	---	---	---	---	51	51
90+58.55	-	92+58.42	---	---	---	---	200	200
92+58.42			---	---	62	---	---	62
92+58.42	-	94+74.67	---	---	---	---	216	216
94+74.67	-	94+62.59	---	---	---	33	---	33
94+74.67	-	95+85.65	---	---	---	---	111	111
95+85.65			---	---	---	---	26	26
95+85.65	-	98+52.23	---	---	---	---	266	266
96+00.17	-	97+50.17	150	---	---	---	---	---
98+52.23	-	98+48.42	---	22	---	---	---	22
98+52.23	-	99+44.99	---	---	---	---	101	101
10+92.19	-	11+04.82	---	---	17	---	---	17
11+91.01			---	---	27	---	---	27
TOTALS			150	39	153	50	2,078	2,320

WATER MAIN SERVICE LATERALS

STATION	OFFSET	SPV.0060.122 RECONNECT WATER SERVICE LATERALS, 1-INCH EACH	SPV.0060.123 RECONNECT WATER SERVICE LATERALS, 1.5-INCH EACH
76+47.02	41.6'RT	1	---
76+98.34	38.8'RT	1	---
77+42.78	36.3'RT	1	---
77+72.62	34.6'RT	1	---
78+07.96	32.6'RT	1	---
78+61.24	29.6'RT	1	---
78+82.61	28.5'RT	1	---
79+45.67	25.2'RT	1	---
79+79.90	25.4'RT	1	---
80+05.27	22.1'RT	1	---
83+75.28	16.0'RT	1	---
84+15.99	16.0'RT	1	---
84+76.57	16.0'RT	---	1
85+60.07	16.0'RT	---	1
86+30.52	16.0'RT	1	---
	TOTALS	13	2

ALL QUANTITIES ARE CATEGORY 0010

SANITARY SEWER STRUCTURES SUMMARY

STRUCTURE NUMBER	STATION	LOCATION (OFFSET)	TOP OF CASTING	EXISTING TOP OF CASTING	IE	DEPTH	*611.0535 MANHOLE COVERS TYPE J -SPECIAL EACH	SPV.0060.103 SANITARY SEWER TAP EACH	SPV.0060.104 SANITARY SEWER ACCESS STRUCTURE (4-FOOT DIAMETER) EACH	SPV.0060.105 SANITARY SEWER ACCESS STRUCTURE (5-FOOT DIAMETER) EACH	SPV.0060.106 EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL EACH	SPV.0060.107 SANITARY SEWER INTERNAL CHIMNEY SEAL EACH	SPV.0060.108 REMOVE SANITARY SEWER ACCESS STRUCTURE EACH	SPV.0060.109 ADJUST SANITARY SEWER ACCESS STRUCTURE SPECIAL EACH	SPV.0060.110 ABANDON SANITARY SEWER ACCESS STRUCTURE EACH
SAS NBJ-06	75+06	56.69'RT	855.59	---	839.87	15.72	1	1	1	---	1	---	---	---	---
SAS 5444-042	75+06	56.69'RT	---	855.58	841.38	14.20	---	---	---	---	---	---	1	---	---
SAS 5444-041	75+09	31.0'RT	---	855.58	841.20	14.38	---	---	---	---	---	---	1	---	---
SAS SBJ-01	75+18	12.0'RT	854.00	---	840.14	13.86	1	1	1	---	1	---	---	---	---
SAS 5444-012	75+18	12.0'RT	---	854.00	840.14	13.86	---	---	---	---	---	---	1	---	---
SAS 5444-013	75+92	60.9'RT	---	855.72	---	---	---	---	---	---	---	---	---	---	1
SAS 5444-043	76+32	50.41'RT	---	854.67	842.92	11.75	---	---	---	---	---	---	1	---	---
SAS 5443-002	77+35	2.1'RT	---	852.68	839.00	13.68	---	---	---	---	---	---	---	---	1
SAS SBJ-02	77+54	0.52'RT	852.60	---	839.14	13.46	1	3	1	---	1	---	---	---	---
SAS 5443-030	77+54	0.52'RT	---	852.64	838.98	13.66	---	---	---	---	---	---	1	---	---
SAS NBJ-05	77+57	43.73'RT	853.89	---	838.84	15.05	1	---	1	---	1	---	---	---	---
SAS 5443-010	77+64	51.9'RT	---	854.45	847.67	6.78	---	---	---	---	---	---	---	---	1
SAS 5443-011	79+27	43.4'RT	---	852.54	846.04	6.50	---	---	---	---	---	---	---	---	1
SAS 5443-003	79+55	9.7'RT	---	851.69	838.36	13.33	---	---	---	---	---	---	---	---	1
SAS NBJ-03	81+53	24.3'RT	851.35	---	837.86	13.49	1	---	1	---	1	---	---	---	---
SAS NBJ-04	81+53	60.3'RT	853.45	---	844.99	8.46	1	1	---	1	1	---	---	---	---
SAS 5443-012	81+50	34.7'RT	---	851.01	844.93	6.08	---	---	---	---	---	---	1	---	---
SAS 5443-009	81+53	13.0'RT	---	850.86	840.18	10.68	---	---	---	---	---	---	---	---	1
SAS 5443-012	81+53	33.98'RT	---	851.01	844.93	6.08	---	---	---	---	---	---	1	---	---
SAS 5443-004	81+71	17.6'LT	---	850.27	837.69	12.58	---	---	---	---	---	---	---	---	---
SAS 5443-005	83+58	18.4'LT	---	849.26	837.57	11.69	---	---	---	---	---	---	---	---	1
SAS 5443-029	83+83	25.15'RT	---	849.20	843.72	5.48	---	---	---	---	---	---	1	---	---
SAS NBJ-02	85+52	24.00'RT	849.76	---	836.88	12.88	1	---	1	---	1	1	---	---	---
SAS 5443-006	85+59	18.70'LT	---	848.45	836.98	11.47	---	---	---	---	---	---	1	---	---
SAS 5443-024	86+70	25.23'RT	---	849.71	842.19	7.52	---	---	---	---	---	---	1	---	---
SAS 5443-007	86+79	18.8'LT	---	849.99	836.76	13.23	---	---	---	---	---	---	---	---	1
SAS 5443-023	87+27	36.8'LT	---	852.95	836.53	16.42	---	---	---	---	---	---	---	---	1
SAS NBJ-01	87+45	21.20'RT	854.12	---	836.41	17.71	1	1	1	---	1	---	---	---	---
SAS 5443-025	87+58	65.0'RT	853.99	850.17	836.27	17.72	---	---	---	---	---	---	---	1	---
PRIVATE MH	13+42	27.8'RT	850.73	851.37	---	---	---	---	---	---	---	---	1	---	---
						TOTALS	8	7	7	1	8	1	11	1	9

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL QUANTITIES ARE CATEGORY 0010

SANITARY SEWER PIPE SUMMARY

LOCATION (DOWNSTREAM)	LOCATION (UPSTREAM)	IE (DOWNSTREAM)	IE (UPSTREAM)	SLOPE (%)	SPV.0035.100 ABANDON SANITARY SEWER-SLURRY CY	SPV.0060.111 ABANDON SANITARY SEWER-PIPE PLUG EACH	SPV.0090.102 SANITARY SEWER PIPE PVC 12-INCH LF	SPV.0090.103 SANITARY SEWER PRESSURE PIPE (C900), 8-INCH LF	SPV.0090.104 SANITARY SEWER PRESSURE PIPE (C900), 10-INCH LF	SPV.0090.105 SANITARY SEWER PRESSURE PIPE (C900), 12-INCH LF	*SPV.0090.106 SELECT FILL FOR SANITARY SEWER LF
SAS NBJ-01	SAS 5443-023	---	---	---	1.8	1	---	---	---	---	---
SAS 5443-023	SAS 5443-007	---	---	---	1.6	---	---	---	---	---	---
SAS 5443-025	SAS 5443-024	---	---	---	1.2	2	---	---	---	---	---
SAS NBJ-01	SAS NBJ-02	836.46	836.88	0.22%	---	---	190	--	--	---	190
SAS 5443-007	SAS NBJ-03	---	---	---	2.4	1	---	---	---	---	---
SAS 5443-006	SAS 5443-005	---	---	---	4.1	1	---	---	---	---	---
SAS 5443-005	SAS 5443-004	---	---	---	3.8	---	---	---	---	---	---
SAS NBJ-02	SAS NBJ-03	836.98	837.86	0.22%	---	---	400	--	--	---	400
SAS NBJ-03	SAS NBJ-04	838.86	841.92	8.50%	---	---	---	36	---	---	36
SAS 5443-012	SAS 5443-011	---	---	---	1.7	1	---	---	---	---	---
SAS 5443-004	SAS 5443-003	---	---	---	4.4	---	---	---	---	---	---
SAS NBJ-03	SAS NBJ-05	837.96	838.84	0.22%	---	---	398	---	---	---	398
SAS 5443-011	SAS 5443-010	---	---	---	1.2	---	---	--	--	---	---
SAS 5443-004	SAS 5443-009	---	---	---	0.5	---	---	---	---	---	---
SAS 5443-009	SAS NBJ-3	---	---	---	0.1	1	---	---	---	---	---
SAS 5443-003	SAS SBJ-02	---	---	---	4.1	1	---	--	--	---	---
SAS NBJ-05	SAS SBJ-02	838.93	839.05	0.28%	---	---	---	---	43	---	43
SAS SBJ-02	SAS 5443-002	---	---	---	0.4	2	---	--	--	---	---
SAS 5443-002	SAS SBJ-01	---	---	---	4.4	1	---	--	--	---	---
SAS NBJ-05	SAS NBJ-06	839.00	839.87	0.35%	---	---	---	---	---	250	250
SAS 5443-010	SAS 5444-013	---	---	---	1.3	1	---	--	--	---	---
SAS NBJ-06	SAS SBJ-01	839.97	840.14	0.37%	---	---	---	---	46	---	46
13+03	13+35	---	---	---	0.3	---	---	---	---	---	---
MMSD MH01-304	PRIVATE MH	---	---	---	1.5	1	---	---	---	---	---
				TOTALS	34.8	13	988	36	89	250	1,363

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SPV.0060.112

SANITARY SEWER CLEANOUT

LOCATION	EA
85+59.75 25.9'LT	1

*611.8120.S

COVER PLATES TEMPORARY

LOCATION	EACH
UNDISTRIBUTED	4

SPV.0200.100

CONSTRUCT OUTSIDE DROP

STRUCTURE NUMBER	8-INCH VF
SAS NBJ-07	6.5

*SPV.0060.007

SLURRY BACKFILL

LOCATION	EACH
75+15.11 23.4'RT	1
77+54.79 13.9'RT	1
85+56.62 4.4'LT	1
UNDISTRIBUTED	4
TOTAL	7

SPV.0200.101

CONSTRUCT INSIDE DROP

STRUCTURE NUMBER	6-INCH VF
SAS NBJ-05	4.7

*SPV.0060.100

UTILITY LINE OPENING (ULO)

LOCATION	EACH
UNDISTRIBUTED	2

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SANITARY SEWER LATERALS SUMMARY

STATION	OFFSET AT MAIN CONNECTION	SPV.0060.101 SEWER ELECTRONIC MARKERS EACH	SPV.0060.102 SANITARY LATERAL RECONNECT EACH	SPV.0060.124 CUT-IN CONNECTION EACH	SPV.0090.101 SANITARY SEWER LATERAL LF	*SPV.0090.106 SELECT FILL FOR SANITARY SEWER LF
76+58.77	49.0'RT	2	1	---	11	11
76+98.43	46.9'RT	2	1	---	11	11
77+45.87	44.3'RT	2	1	---	16	16
77+82.59	42.2'RT	2	1	---	17	17
77+95.94	41.4'RT	2	1	---	17	17
78+28.96	39.4'RT	2	1	---	17	17
78+92.51	36.0'RT	2	1	---	17	17
78+98.97	35.6'RT	2	1	---	17	17
79+57.37	32.6'RT	2	1	---	17	17
79+89.88	31.0'RT	2	1	---	17	17
80+02.99	30.3'RT	2	1	---	17	17
83+85.27	24.0'RT	2	1	---	---	---
84+49.72	23.9'RT	2	1	---	---	---
84+87.97	24.0'RT	2	1	---	---	---
85+52.50	24.0'RT	1	1	---	51	51
85+59.75	25.9'RT	1	2	2	---	---
85+70.84	24.0'RT	2	1	---	---	---
86+17.94	24.0'RT	2	1	---	---	---
86+71.72	24.0'RT	2	1	---	---	---
13+03.13	29.0'RT	---	1	---	38	38
13+34.79	28.3'LT	2	1	---	61	61
	TOTALS	38	22	2	324	324

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL QUANTITIES ARE CATEGORY 0010



TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT 5992-09-09
CITY OF MADISON, EAST JOHNSON STREET
(NORTH BALDWIN STREET TO FIRST STREET)
LOCAL STREET
DANE COUNTY

4

NOTES

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5992-09-09.

DISTANCES SHOWN FROM BUILDINGS TO RIGHT OF WAY LINES ARE APPROXIMATE.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL RIGHT-OF-WAY LINES DEPICTED IN NON ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

EXISTING R/W ON E. JOHNSON ST. BASED ON: PREVIOUS PROJECT T-0219(3), NORTH SIDE SUBDIVISION, PARKSIDE PLAT, FARWELL'S REPLAT, MADISON SQUARE-RILEY PLAT, CSM 1689, PLAT OF SURVEY #94-0198, PLAT OF SURVEY 8-238 BY ANTHONY THOUSAND, DEED DOC. 1159980, HIGHWAY EASEMENT DOC.1218655, & FOUND IRONS.

EXISTING R/W ON BALDWIN ST. BASED ON: NORTH SIDE SUBDIVISION, FARWELL'S REPLAT, PLAT OF SURVEY 8-238 BY ANTHONY THOUSAND & FOUND IRONS.

EXISTING R/W ON MARSTON AVE. BASED ON: PREVIOUS PROJECT T-0219(3), PARKSIDE PLAT, & FOUND IRONS.

EXISTING R/W ON DICKINSON ST. BASED ON: FARWELL'S REPLAT & FOUND IRONS.

EXISTING R/W ON THORNTON AVE. BASED ON: PREVIOUS PROJECT 5992-00-77, FARWELL'S REPLAT, & FOUND IRONS.

EXISTING R/W ON FORDEM AVE. BASED ON: PREVIOUS PROJECT T-0219(3), CSM 1689, & FOUND IRONS.

EXISTING R/W ON N. FIRST ST. BASED ON: PREVIOUS PROJECT T-0219(3), MADISON SQUARE-RILEY PLAT FLEURY'S REPLAT OF PART OF BLOCK 277 & FOUND IRONS

EXISTING R/W ON DAYTON ST. BASED ON: MADISON SQUARE-RILEY PLAT & FOUND IRONS

EXISTING R/W ON MIFFLIN ST. BASED ON: MADISON SQUARE-RILEY PLAT, McCARTHY'S SUBDIVISION & FOUND IRONS

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

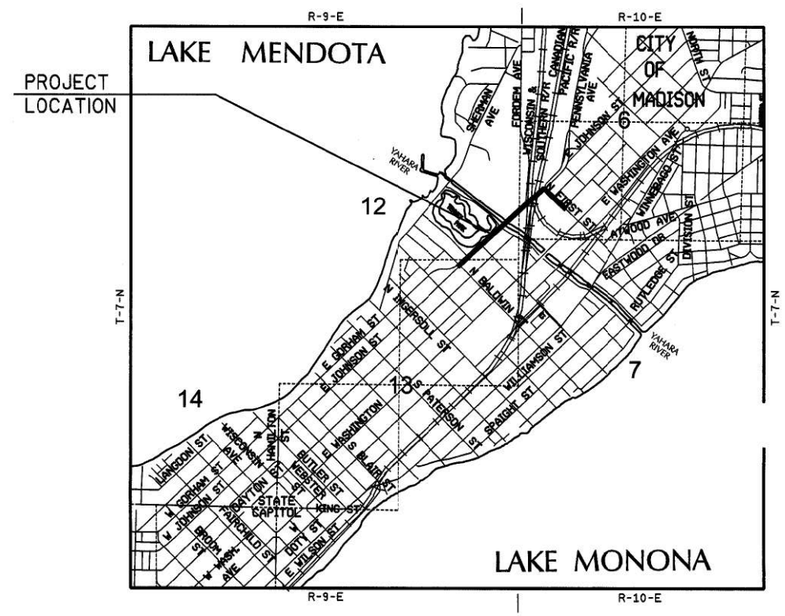
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES AND AREAS OF FEE ACQUISITION, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE LAND SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF MADISON

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT OT PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

A TEMPORARY LIMITED EASEMENT (T.L.E.) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE. INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (T.L.E.'S) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.



LAYOUT
SCALE 0 1/2 MI.

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF REVERSE CURVE	PRC
AHEAD	AH	POINT OF INTERSECTION	PI
ALUMINUM	ALUM	PROPERTY LINE	PL
AND OTHERS	ET AL	REBAR	RBR
BACK	BK	RECORDED AS	(100')
BLOCK	BLK	REFERENCE LINE	R/L
BUILDING	BLDG	REMAINING	REM
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	SUBDIVISION	SUBD
EASEMENT	EASE	TANGENT	TAN
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED EASEMENT	TLE
GRID NORTH	GN	TRANSPORTATION PROJECT PLAT	TPP
HIGHWAY EASEMENT	HE	UNITED STATES HIGHWAY	USH
HOUSE	H	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	△
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4" REBAR UNLESS NOTED) IP
VALVE (GAS, WATER, ETC.) (TYP)
SIGN SIGN
OFF-PREMISE SIGN
R/W BOUNDARY POINT 200
TLE POINT TLE205

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

BRIDGE
PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL UTILITY SYMBOLS

WATER	W	SANITARY SEWER	SAN
GAS	G	STORM SEWER	SS
TELEPHONE	T		
OVERHEAD	OH		NON COMPENSABLE / COMPENSABLE
TRANSMISSION LINES ELECTRIC	E	POWER POLE	
CABLE TELEVISION	TV	TELEPHONE POLE	
FIBER OPTIC	FO	TELEPHONE PEDESTAL	
		ELECTRIC TOWER	

TPP NUMBER 5992-09-09 - 4.01
SHEET 2 OF 2

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\040101_rt.dgn
PLOT DATE : 1/2/18
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

5992-09-09-4.01

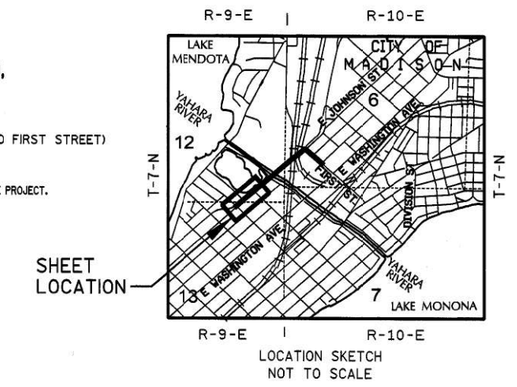
TRANSPORTATION PROJECT PLAT NO: 5992-09-09 - 4.01

THAT PART OF LOT 9, BLOCK 220 AND PART OF LOT 1, BLOCK 221 OF FARWELL'S REPLAT AND OTHER LANDS IN THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 12, T7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, EAST JOHNSON STREET, (NORTH BALDWIN STREET TO FIRST STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



SHEET LOCATION

LOCATION SKETCH
NOT TO SCALE

APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-18-00006
FILE ID: 49546
DATE: 1/2/18
EFFECTIVE 2/13/18
CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 12/4/17
EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 12/13/17
EXECUTIVE SECRETARY

STRAND ASSOCIATES, INC.®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-09-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) DATE 1/2/18
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record February 22
20 18 at 12:50 o'clock P M
and recorded in vol. 60-089B
of Plats on page 499-500
Doc# 5391227
Kristi Chlebowski Register
by Dawn McCarthy, Deputy

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-09-4.01
AMENDMENT NO:
SHEET 1 OF 2

POINT #	STATION	OFFSET	Y	X
100	77+25.60	65.69'	488358.94	825388.66
101	76+49.68	0.00'	488358.70	825288.27
102	75+99.61	-43.32'	488358.54	825222.06
103	77+23.60	-49.65'	488444.67	825311.47
104	77+83.26	-56.42'	488488.94	825352.15
105	78+08.37	-32.68'	488487.44	825386.67
106	81+13.30	-33.75'	488687.94	825615.47
107	82+57.10	-31.22'	488784.26	825720.92
110	88+00.00	-37.04'	489160.27	826112.22
111	87+93.16	-0.00'	489128.85	826132.91
112	87+86.52	42.16'	489093.17	826156.40
113	12+42.69 T	-33.00'	488989.57	826313.97
114	12+42.69 T	33.00'	488934.42	826277.71
115	10+59.96 T	33.00'	489034.81	826125.03
116	86+92.82	44.87'	489031.37	826087.76
117	81+88.28	44.76'	488681.78	825723.96
118	11+23.07 D	-33.38'	488656.72	825747.97
119	11+22.96 D	32.62'	488611.06	825700.31
120	81+23.44	45.22'	488636.33	825676.10

POINT #	STATION	OFFSET
TLE100	77+88.31	-42.58'
TLE101	78+15.00	-42.72'
TLE102	78+15.00	-32.72'
TLE103	81+50.00	-33.65'
TLE104	81+50.00	-68.65'
TLE105	82+15.00	-67.31'
TLE106	82+15.00	-32.30'
TLE107	86+50.00	-31.14'
TLE108	86+50.00	-51.14'
TLE109	88+00.00	-57.04'
TLE110	82+15.27	44.77'
TLE111	82+15.25	54.77'
TLE112	81+88.26	54.76'
TLE113	11+22.97 D	39.62'
TLE114	81+16.57	45.43'

SCALE, FEET
0 50 100

COMPUTED FROM MEANDER CORNER
Y = 488355.29
X = 823883.37
(SAME AS CITY OF MADISON RECORD COORDINATE)

ORIGINAL PLAT OF MADISON BLOCK 193

PLAT OF SURVEY 8-238 BY: ANTHONY THOUSAND 6/21/67

N. BALDWIN ST.

SW-SE SEC. 12

N 89°51'40" E 1338.69'

1/16TH LINE

MARSTON AVE.

LOT 27 NORTH SIDE SUBDIVISION

LOT 28

LOT 25

LOT 26

PARKSIDE PLAT

N 46°04'14" E 124.15'

N 42° 34' 50" E 60.12'

POT 74+12.80
N 48° 59' 36" E

75+00

S 89°51'40" W 66.21'

PI 77+43.47

CURVE 1

N 48°46'19" E 304.22'

STA. 81+54.83 = STA. 10+43.37 BK
Y=488691.04
X=825668.67

N 47°15'29" E 142.82'

80+00

N 49° 04' 39" E

PC 80+60.03

PI 81+24.38
N 43° 46' 45" W 35.00'

S 89°51'40" W 100.40'

S 46°01'09" W 399.45'

PT 81+88.70

S 43° 46' 45" E 34.70'

TLE-SLOPES 206 S.F.

TLE-SLOPES 2248 S.F.

TLE-SLOPES 245 S.F.

TLE-SLOPES 270 S.F.

TLE-SLOPES 2996 S.F.

TENNEY PARK LAGOON

CITY OF MADISON

SE-SE SEC. 12

SLOPE INTERCEPTS (TYP.)

N 46°08'29" E 542.68'

85+00

N 46° 07' 43" E

PC 86+99.73

PI 87+20.45

PRC 87+41.12

STA. 87+41.05 = STA. 10+00.00 MH
Y=489095.32
X=826093.05

S 33°21'44" E 37.62'

N 46° 04' 08" E

PT 88+00.77

S 33°21'44" E 42.72'

E. JOHNSON ST.

S 46°08'29" W 504.55'

N. THORNTON AVE.

N 56°40'38" W 182.13'

S 56°40'38" E 188.57'

EXISTING PLE FOR DRAINAGE & RETAINING WALL PROJECT:5992-00-77

CURVE 2

N. DICKINSON ST.

S 46° 13' 15" W 33.00'

S 43°17'45" W 33.00'

S 33°19'22" W 33.00'

NW-NE SEC. 13

NE-NE SEC. 13

S 89°51'40" W 1095.16'

FARWELL'S REPLAT BLOCK 194

FARWELL'S REPLAT BLOCK 220

FARWELL'S REPLAT BLOCK 221

LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 LOT 17 LOT 18

66'

CURVE 1
R=25.00'
L=38.14'
LC=34.55'
LCB=S 87°31'13" E
DELTA= 87°24'55.50" (LT)

CURVE 2
R=30.00'
L=40.41
LC=37.43'
LCB=S 84°43'56" W
DELTA= 77°10'53.67" (LT)

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
1	CITY OF MADISON PARKS	TLE	---	---	---	5450
2	BENJAMIN C. ALTSCHUL	TLE	---	---	---	270
3	KEVIN T. GLUNN & LAURIE J. NEUBAUER	TLE	---	---	---	245

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	MADISON GAS & ELECTRIC COMPANY (MG&E) - ELECTRIC	RELEASE OF RIGHTS
101	CITY OF MADISON (SANITARY SEWER)	RELEASE OF RIGHTS
102	MADISON WATER UTILITY	RELEASE OF RIGHTS

100 MG&E - ELECTRIC
NO RECORDED EASEMENT
PARCEL 1

101 CITY OF MADISON (SANITARY SEWER)
NO RECORDED EASEMENT
PARCEL 1

102 MADISON WATER UTILITY
NO RECORDED EASEMENT
PARCEL 1

COMPUTED FROM TIES
Y = 488361.60
X = 826483.82
(SAME AS CITY OF MADISON RECORD COORDINATE)

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83/1997 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

POT STA. 74+12.80
Y=488203.27
X=825109.51

PI STA. 77+43.47
Y=488420.24
X=825359.04
DELTA=0°05'03" RT

P.I. = 81+24.38
Y = 488669.74
X = 825646.85
DELTA = 2° 56' 56" (LT)
D = 2° 17' 31"
T = 64.35'
L = 128.67'
R = 2,500.00'
P.C. = 80+60.03
P.T. = 81+88.70

P.I. = 87+20.45
Y = 489082.87
X = 826076.58
DELTA = 6° 46' 31" (RT)
D = 16° 22' 13"
T = 20.72'
L = 41.39'
R = 350.00'
P.C. = 86+99.73
P.R.C. = 87+41.12

P.I. = 87+70.98
Y = 489113.37
X = 826116.92
DELTA = 6° 50' 07" (LT)
D = 11° 27' 33"
T = 29.86'
L = 59.65'
R = 500.00'
P.R.C. = 87+41.12
P.T. = 88+00.77

HWY	BASIS OF EXIST. R/W
E. JOHNSON ST	PREVIOUS PROJECT T-0219(3), NORTH SIDE SUBDIVISION, PARKSIDE PLAT, FARWELL'S REPLAT, PLAT OF SURVEY 8-238 BY ANTHONY THOUSAND & FOUND IRONS.
BALDWIN ST.	NORTH SIDE SUBDIVISION, FARWELL'S REPLAT, PLAT OF SURVEY 8-238 BY ANTHONY THOUSAND & FOUND IRONS.
MARSTON AVE.	PREVIOUS PROJECT: T-0219(3), PARKSIDE PLAT, & FOUND IRONS.
DICKINSON ST.	FARWELL'S REPLAT & FOUND IRONS.
THORNTON AVE.	PREVIOUS PROJECT: 5992-00-77, FARWELL'S REPLAT, & FOUND IRONS.

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\040101_rp.dgn
APPRAISAL PLAT DATE: 1/2/18
PLOT DATE :
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

5992-09-09-4.01

Document # 5392054

TRANSPORTATION PROJECT PLAT NO: 5992-09-09 - 4.02

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 12, TOWNSHIP 7 NORTH, RANGE 9 EAST, AND THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, TOWNSHIP 7 NORTH, RANGE 10 EAST, ALL IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, EAST JOHNSON STREET, (NORTH BALDWIN STREET TO FIRST STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

POINT •	STATION	OFFSET	Y	X
110	88+00.00	-37.04'	489160.27	826112.22
112	87+86.52	42.15'	489093.17	826156.40
200	92+36.14	67.21'	489386.71	826497.98
201	91+64.52	64.12'	489340.28	826444.88
202	90+44.02	51.52'	489265.75	826349.36
203	90+28.66	46.58'	489258.65	826334.87
204	90+21.01	46.20'	489253.62	826329.09
205	88+75.38	42.05'	489155.57	826221.34
206	88+74.94	-36.95'	489212.16	826166.21
207	88+74.92	-32.83'	489209.18	826169.06
208	90+03.50	-32.52'	489298.16	826261.87
209	90+70.15	-32.02'	489344.04	826310.22
210	91+22.72	-36.45'	489383.71	826345.00
211	91+79.21	-41.21'	489426.33	826382.38
212	91+79.28	-50.20'	489432.85	826376.20
213	92+28.37	-50.02'	489467.24	826412.44
214	92+28.46	-41.02'	489460.71	826418.63
215	92+84.20	-37.02'	489496.15	826463.03
216	93+35.10	-35.65'	489529.06	826504.27
217	94+60.74	-44.11'	489613.89	826592.64
218	10+62.12 FO	-36.21'	489665.46	82661.98
219	11+55.61 FO	-36.82'	489758.66	826619.25
220	11+56.04 FO	29.18'	489753.53	826685.05
221	11+49.12 FO	29.23'	489746.64	826684.51
222	96+19.64	-47.50'	489725.15	826706.13
223	97+53.15	-47.50'	489816.56	826803.44
224	98+10.37	-44.30'	489853.20	826845.92

POINT •	STATION	OFFSET	Y	X
225	98+98.60	-42.94'	489914.32	826909.57
226	98+97.94	0.00'	489883.34	826939.31
227	98+96.55	90.41'	489818.13	827001.94
228	98+34.20	88.08'	489775.91	826956.00
229	97+72.20	83.00'	489734.90	826907.06
230	96+44.63	68.88'	489657.44	826804.03
231	95+76.03	73.64'	489607.00	826757.29
232	95+55.08	82.60'	489586.13	826748.16
233	94+96.17	63.70'	489559.56	826692.28
234	93+26.85	67.76'	489443.43	826562.83
235	93+29.30	-35.19'	489524.93	826499.88
250	94+74.98	55.12'	489551.32	826670.97
251	94+66.28	63.01'	489539.60	826670.03
253	96+85.29	73.35'	489682.02	826836.73
252	96+95.05	66.21'	489693.91	826838.95
255	96+07.75	60.14'	489638.57	826771.17
256	97+06.02	66.97'	489700.86	826847.47
257	98+47.60	78.81'	489791.93	826959.00
258	98+96.57	89.04'	489819.11	827000.99
259	96+32.27	-43.18'	489730.66	826718.30
263	97+56.17	21.47'	489768.37	826852.86
264	99+21.47	23.51'	489887.42	826976.84
265	97+20.07	67.95'	489709.77	826858.38
266	97+13.81	76.49'	489699.26	826859.66

POINT •	STATION	OFFSET
TLE200	91+63.38	79.08'
TLE201	89+20.00	53.64'
TLE202	89+20.00	43.32'
TLE203	88+40.00	42.01'
TLE204	11+52.40 T	-53.00'
TLE205	12+42.69 T	-53.00'
TLE206	96+42.18	-62.50'
TLE207	97+50.00	-62.50'
TLE208	98+60.81	-51.97'
TLE209	98+48.88	-43.71'
TLE210	98+92.11	105.17'
TLE211	97+71.13	97.97'
TLE212	96+88.51	88.80'
TLE213	95+73.89	109.64'
TLE214	94+76.02	78.24
TLE215	93+27.55	82.75
TLE216	12+42.69 T	-33.00

R-9-E | R-10-E

LAKE MENDOTA — CITY OF MADISON — YAHARA RIVER — E. JOHNSON ST. — E. WASHINGTON AVE. — DIVISION ST. — LAKE MONONA — T-7-N

SHEET LOCATION

LOCATION SKETCH
NOT TO SCALE

APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-18-00006
FILE ID: 49546
DATE: 1/2/18 Maribeth Witzel-Behl
EFFECTIVE 2/13/18 CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 12/4/17 for EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 12/13/17 EXECUTIVE SECRETARY

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-09-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN — HEATHER S. BARTELT — S-2797 — MADISON — WI — LAND SURVEYOR

(SIGNATURE) Heather Bartelt DATE 2/23/18
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5391227.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 2-27
20 18 at 8:50 o'clock P M
and recorded in vol. 60-090A
of Plats on page 501
Kristi Chlebowski by Lindsay Lee, Deputy
Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-09-4.02
AMENDMENT NO:

FOUND 1.25" BAR
Y = 490988.14
X = 826520.04
(CITY OF MADISON RECORD COORDINATES
Y = 490988.00
X = 826519.96
(1997 ADJUSTMENT))

COMPUTED FROM TIES
Y = 491443.64
X = 826527.70
(CITY OF MADISON RECORD COORDINATES
Y = 491443.66
X = 826527.62
(1997 ADJUSTMENT))

CITY OF MADISON

LOT 1 CSM 1689 V.7, P.50 DOC. 1428551

PLAT OF SURVEY BY RICHARD RASMUSSEN DATED: 8/4/93 MAP#94-0198

FOUND BRASS MON
Y = 488817.16
X = 826490.13
(CITY OF MADISON RECORD COORDINATES
Y = 488817.17
X = 826490.13
(1991 ADJUSTMENT))

COURSE	BEARING	DIST.
252-256	N 50° 46' 06" W	11.00'
253-252	N 10° 35' 05" E	12.10'
250-251	S 4° 35' 49" W	11.75'
251-234	S 48° 06' 15" W	144.01'
233-251	S 48° 06' 15" W	29.90'
263-253	S 10° 35' 05" W	87.84'
253-230	S 53° 03' 54" W	40.90'
266-253	S 53° 03' 54" W	28.70'
264-257	S 10° 35' 05" E	97.14'
257-265	N 50° 46' 06" E	129.90'
265-266	S 7° 00' 11" E	10.59'
229-266	S 53° 03' 54" W	59.30'
203-250	N 48° 57' 06" E	445.66'
257-228	S 10° 35' 05" W	16.30'
228-258	N 46° 09' 41" E	62.38'
258-227	S 43° 50' 19" E	1.36'
250-255	S 48° 57' 06" W	132.86'
259-224	N 46° 09' 41" E	176.93'
255-252	N 50° 46' 06" E	87.50'
263-264	N 46° 09' 41" E	171.88'

HWY	BASIS OF EXIST. R/W
E. JOHNSON ST	PREVIOUS PROJECT T-0219(3), CSM 1689, PLAT OF SURVEY #94-0198 DEED DOC. 1159980, HIGHWAY EASEMENT DOC.1218655 & FOUND IRONS.
FORDEM AVE.	PREVIOUS PROJECT: T-0219(3), CSM 1689, & FOUND IRONS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83/1997 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

P.I. = 87+20.45
Y = 489,082.87
X = 826,076.58
DELTA = 6° 46' 31" (RT)
D = 16° 22' 13"
T = 20.72'
L = 41.39'
R = 350.00'
P.C. = 86+99.73
P.R.C. = 87+41.12

P.I. = 87+70.98
Y = 489,113.37
X = 826,116.92
DELTA = 6° 50' 07" (LT)
D = 11° 27' 33"
T = 29.86'
L = 59.65'
R = 500.00'
P.R.C. = 87+41.12
P.T. = 88+00.77

P.I. = 93+11.96
Y = 489,487.56
X = 826,507.71
DELTA = 5° 58' 26" (RT)
D = 5° 43' 46"
T = 52.18'
L = 104.26'
R = 1,000.00'
P.C. = 92+59.78
P.T. = 93+64.05

P.I. = 94+05.54
Y = 489,543.89
X = 826,582.56
DELTA = 6° 15' 04" (LT)
D = 7° 32' 20"
T = 41.50'
L = 82.92'
R = 760.00'
P.C. = 93+64.05
P.T. = 94+46.96

P.I. = 97+78.91
Y = 489,799.58
X = 826,854.73
DELTA = 1° 30' 35" (LT)
D = 5° 33' 46"
T = 13.57'
L = 27.14'
R = 1,030.00'
P.C. = 97+65.34
P.T. = 97+92.48

P.I.STA. 92+17.61
Y=489423.29
X=826438.63
DELTA=0°59'47" RT

P.I.STA. 99+60.44
Y=489927.32
X=826983.72
DELTA=0°40'32" RT

P.I.STA. 100+74.86
Y=490006.87
X=827065.97
DELTA=1°24'13" LT

CURVE 1 R=311.08' L=52.82' LC=52.76' LCB=N 41° 14' 54" E
CURVE 2 R=311.08' L=56.77' LC=56.69' LCB=N 41° 14' 54" E
CURVE 3 R=311.08' L=56.89' LC=56.81' LCB=N 51° 24' 33" E
CURVE 4 R=288.92' L=52.83' LC=52.76' LCB=N 51° 24' 33" E
CURVE 5 R=100.00' L=55.80' LC=55.08' LCB=N 20° 33' 14" E
CURVE 6 R=20.00' L=34.66' LC=30.48' LCB=S 45° 11' 14" E
CURVE 7 R=20.00' L=13.62' LC=13.35' LCB=N 65° 39' 52" E

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW	R/W EXISTING	R/W TOTAL	TLE S.F.	HE S.F.
1	CITY OF MADISON PARKS	TLE	---	---	---	6760	---
4	MADISON GAS & ELECTRIC	HE, TLE	---	---	---	6559	3949
6	WISCONSIN DEPARTMENT OF TRANSPORTATION RELEASE OF RIGHTS FOR ACCESS EASE DOC. 3085194	HE, TLE	---	---	---	8995	3185
7	CITY OF MADISON (ENGINEER WALKWAYS & BIKEPATHS)	FEE, TLE	230	8645	8875	588	---
8	CITY OF MADISON (MOTOR EQUIPMENT)	FEE, TLE	1382	---	1382	2528	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	MADISON GAS & ELECTRIC COMPANY (MG&E) - ELECTRIC	RELEASE OF RIGHTS
103	MADISON METROPOLITAN SEWERAGE DISTRICT (MMSD)	RELEASE OF RIGHTS
104	US SPRINT COMMUNICATIONS	RELEASE OF RIGHTS
105	MADISON GAS & ELECTRIC COMPANY (MG&E) - GAS	RELEASE OF RIGHTS
106	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
107	MCI TELECOMMUNICATIONS	RELEASE OF RIGHTS
108	AT&T	RELEASE OF RIGHTS
109	CENTURYLINK	RELEASE OF RIGHTS
110	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
111	ROGERS TELCOM	RELEASE OF RIGHTS
112	LEVEL 3 COMMUNICATIONS	RELEASE OF RIGHTS
113	WISCONSIN & SOUTHERN ELECTRIC	RELEASE OF RIGHTS

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	OWNER(S)
6-1	ADAMS OUTDOOR ADVERTISING

* SIGN NOT AFFECTED BY CONSTRUCTION

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY

SCALE, FEET
0 50 100

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\040102_rp.dgn
APPRAISAL PLAT DATE: 2/23/18
PLOT DATE : 2/23/2018
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
5992-09-09-4.02

Document # 5392055

TRANSPORTATION PROJECT PLAT NO: 5992-09-09 - 4.03

THAT PART OF LOTS 2-12 OF BLOCK 310 AND PART OF LOTS 1& 2 OF BLOCK 312 OF MADISON SQUARE RILEY PLAT AND OTHER LANDS LOCATED IN THE SW1/4 OF THE SW1/4, IN SECTION 6, T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, EAST JOHNSON STREET, (NORTH BALDWIN STREET TO FIRST STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

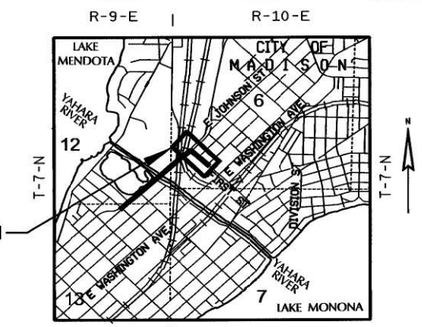
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

POINT *	STATION	OFFSET	Y	X
225	98+98.60	-42.94'	489914.32	826909.57
227	98+96.55	90.41'	489818.13	827001.94
258	98+96.57	89.04'	489819.11	827000.99
300	17+56.94 FI	37.96'	489406.34	827529.42
301	16+22.58 FI	38.23'	489503.59	827435.57
302	15+91.92 FI	37.80'	489525.14	827415.90
303	14+03.03 FI	39.26'	489645.86	827273.00
304	12+51.30 FI	39.00'	489752.92	827163.48
305	11+24.88 FI	47.43'	489835.27	827067.18
306	99+51.47	-42.13'	489950.94	826947.71
307	101+49.59	-45.22'	490091.85	827086.16
309	101+49.70	86.78'	489999.33	827180.31
310	12+88.88 FI	-66.87'	489802.36	827264.36
311	13+54.88 FI	-66.78'	489756.16	827311.49
312	16+17.18 FI	-55.45'	489571.09	827500.75
313	16+84.27 FI	-58.76'	489525.77	827548.74

POINT *	STATION	OFFSET
TLE210	98+92.11	105.17'
TLE300	16+15.67 FI	38.19'
TLE301	16+15.98 FI	55.40'
TLE302	14+03.03 FI	59.27'
TLE303	12+50.00 FI	59.00'
TLE304	12+50.00 FI	64.14'
TLE305	101+49.83	116.78'
TLE306	11+20.88 FI	-67.33'

POINT *	STATION	OFFSET	Y	X
314	17+53.97 FI	-60.85'	489476.98	827598.57
316	100+70.27	86.99'	489941.15	827123.15
350	10+91.46 FI	22.60'	489876.39	827060.64
351	11+41.64 FI	22.73'	489841.21	827096.44
352	11+41.58 FI	46.31'	489824.39	827079.91
353	12+31.64 FI	22.97'	489778.12	827160.63
354	12+31.60 FI	40.31'	489765.76	827148.47
355	14+42.37 FI	39.00'	489619.56	827304.14
356	14+43.31 FI	26.23'	489628.71	827313.10
357	13+21.75 FI	23.22'	489714.96	827224.89
358	15+51.00 FI	34.08'	489553.22	827390.29



SHEET LOCATION

LOCATION SKETCH
NOT TO SCALE

APPROVED FOR THE CITY OF MADISON
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-18-00006 FILE ID: 49546
DATE: 1/2/18 Maribeth Witzel-Behl CITY CLERK
EFFECTIVE 2/13/18
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 12/4/17 for EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 12/13/17 EXECUTIVE SECRETARY

STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-09-09-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) Heather Bartelt DATE 2/23/18
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

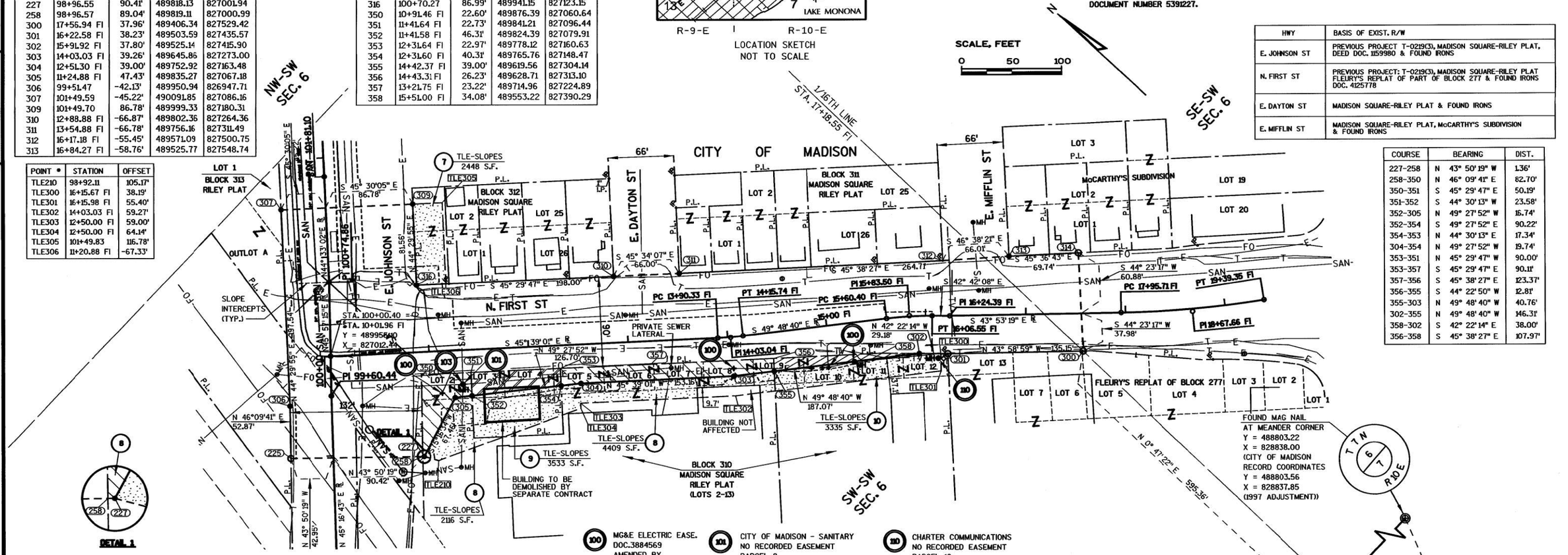
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5391227.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 2-27
2018 at 3:50 o'clock P M
and recorded in vol. 60-09A
of Plats on page 502
Kristi Chlebowski by Lisa Hilbert, Deputy
Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-09-4.03
AMENDMENT NO:

HWY	BASIS OF EXIST. R/W
E. JOHNSON ST	PREVIOUS PROJECT T-0219(3), MADISON SQUARE-RILEY PLAT, DEED DOC. 1159980 & FOUND IRONS
N. FIRST ST	PREVIOUS PROJECT: T-0219(3), MADISON SQUARE-RILEY PLAT FLEURY'S REPLAT OF PART OF BLOCK 277 & FOUND IRONS DOC. 4125778
E. DAYTON ST	MADISON SQUARE-RILEY PLAT & FOUND IRONS
E. MIFFLIN ST	MADISON SQUARE-RILEY PLAT, McCARTHY'S SUBDIVISION & FOUND IRONS

SCALE, FEET
0 50 100



COURSE	BEARING	DIST.
227-258	N 43° 50' 19" W	1.36'
258-350	N 46° 09' 41" E	82.70'
350-351	S 45° 29' 47" E	50.19'
351-352	S 44° 30' 13" W	23.58'
352-305	N 49° 27' 52" W	16.74'
352-354	S 49° 27' 52" E	90.22'
354-353	N 44° 30' 13" E	17.34'
304-354	N 49° 27' 52" W	19.74'
353-351	N 45° 29' 47" W	90.00'
353-357	S 45° 29' 47" E	90.11'
357-356	S 45° 38' 27" E	123.37'
356-355	S 44° 22' 50" W	12.81'
355-303	N 49° 48' 40" W	40.76'
302-355	N 49° 48' 40" W	146.31'
358-302	S 42° 22' 14" E	38.00'
356-358	S 45° 38' 27" E	107.97'

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
7	CITY OF MADISON (ENGINEER WALKWAYS & BIKEPATHS)	TLE	----	----	----	2448
8	CITY OF MADISON (MOTOR EQUIPMENT)	FEE, TLE	5604	----	5604	6525
9	CITY OF MADISON (WATER UTILITY WELL #3)	FEE, TLE	1842	----	1842	3533
10	MADISON METROPOLITAN SEWERAGE DISTRICT (MMSD)	FEE, TLE	1051	----	1051	3335

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	MADISON GAS & ELECTRIC COMPANY (MG&E) - ELECTRIC	RELEASE OF RIGHTS
101	CITY OF MADISON - SANITARY	RELEASE OF RIGHTS
103	MADISON METROPOLITAN SEWERAGE DISTRICT (MMSD)	RELEASE OF RIGHTS
110	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

(100) MG&E ELECTRIC EASE. DOC.3884569 AMENDED BY DOC.3888764 PARCELS 8 & 9

(100) MG&E ELECTRIC EASEMENT DOC.2207820, V.14375, P.18 PARCEL 10

(101) CITY OF MADISON - SANITARY NO RECORDED EASEMENT PARCEL 8

(103) MMSD EASE. DOC.3480336 AMENDED BY DOC. 3504853 PARCELS 8 & 9

(103) MMSD 10' EASE DOC.1617301 V.1052, P.455 PARCEL 8

(110) CHARTER COMMUNICATIONS NO RECORDED EASEMENT PARCEL 10

(101) CITY OF MADISON - SANITARY NO RECORDED EASEMENT PARCEL 8

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83/1997 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

P.I. = 97+78.91
Y = 489,799.58
X = 826,854.73
DELTA = 1° 30' 35" (LT)
D = 5° 33' 46"
T = 13.57'
L = 27.14'
R = 1,030.00'
P.C. = 97+65.34
P.T. = 97+92.48

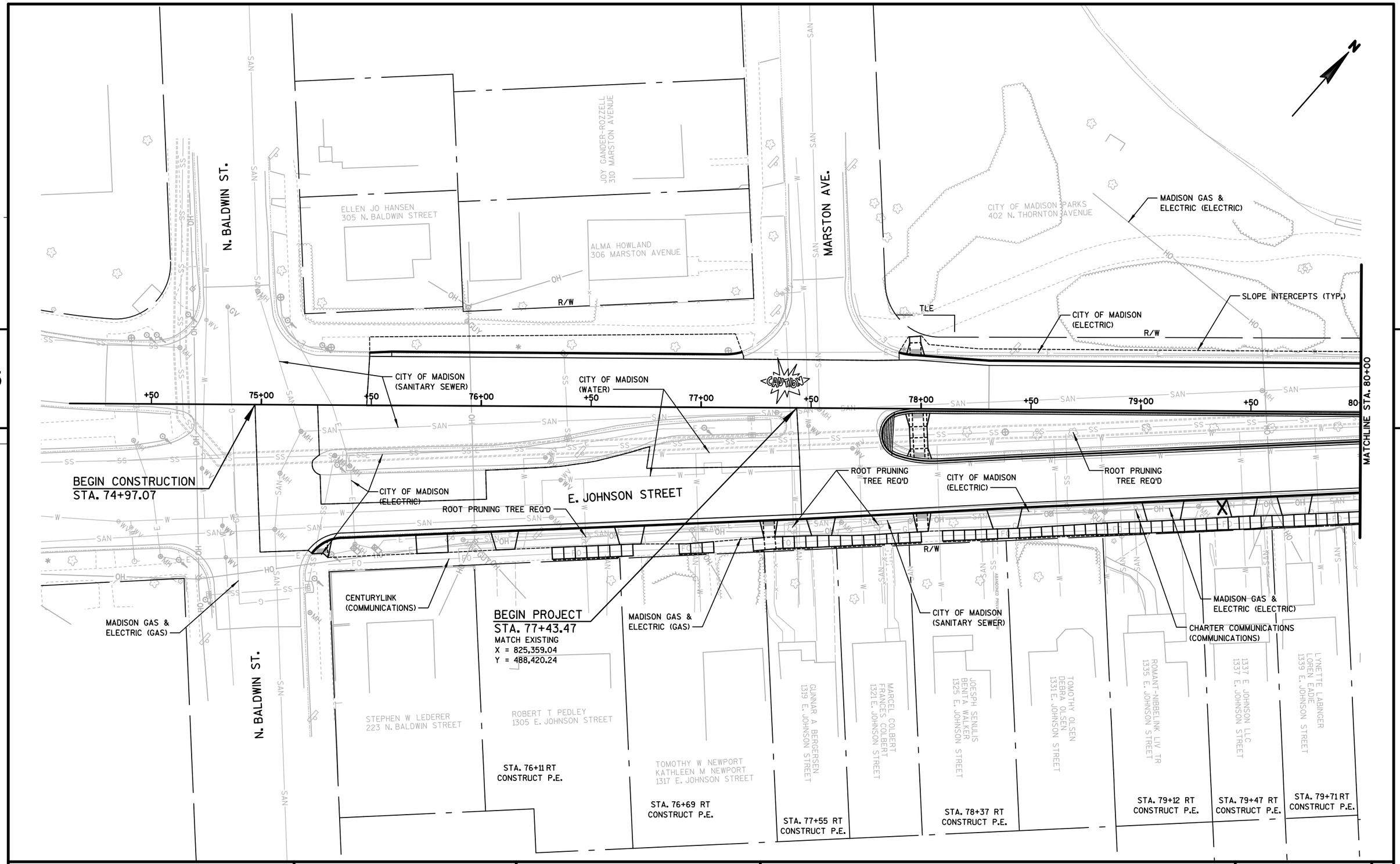
PI STA. 100+74.86
Y=490006.87
X=827065.97
DELTA=1°24'13" LT

P.I. = 14+03.04 FI
Y = 489,674.74
X = 827,299.25
DELTA = 4° 09' 39" (LT)
D = 16° 22' 13"
T = 12.71'
L = 25.42'
R = 350.00'
P.C. = 13+90.33 FI
P.T. = 14+15.74 FI

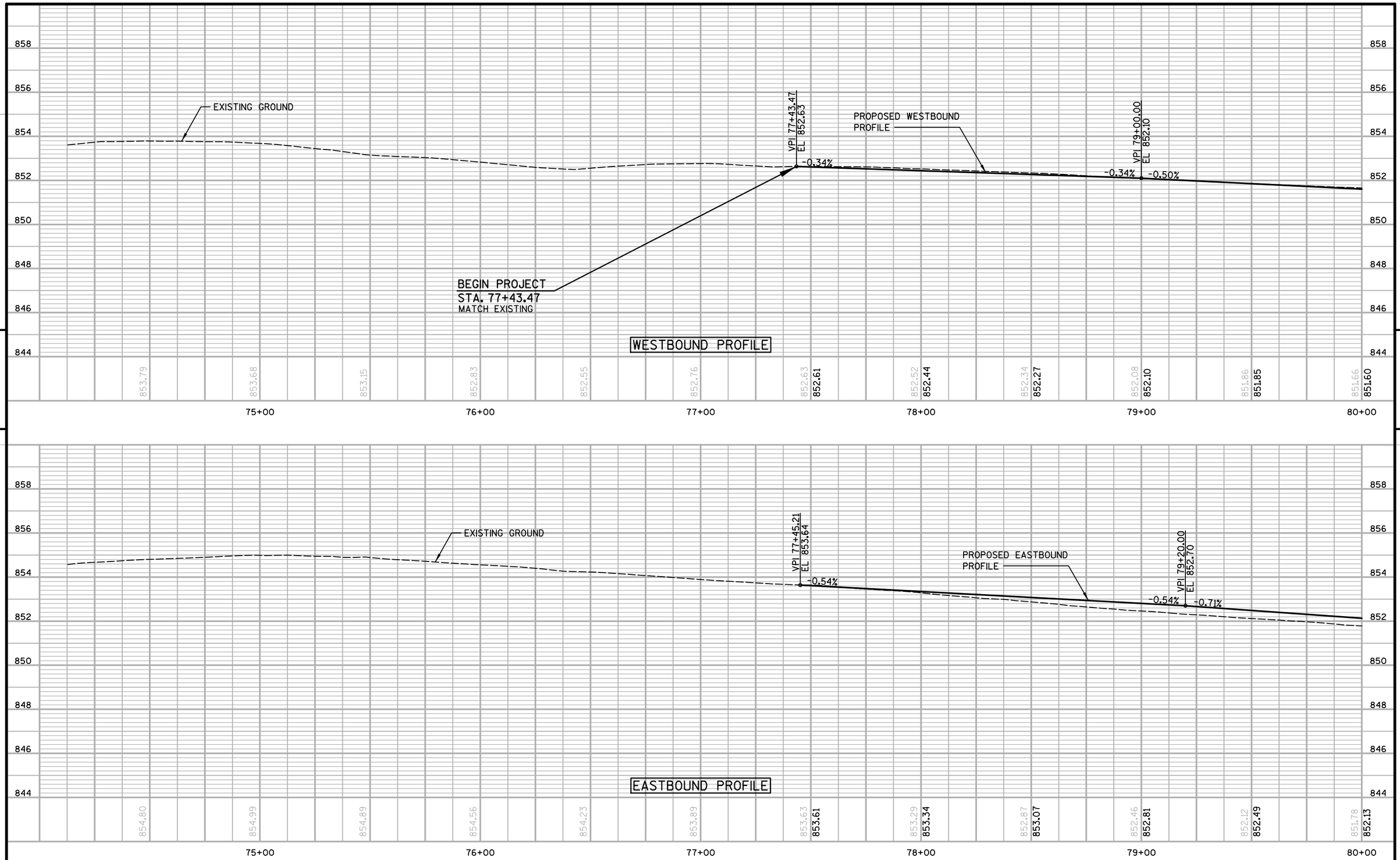
P.I. = 15+83.50 FI
Y = 489,558.28
X = 827,437.12
DELTA = 7° 06' 31" (RT)
D = 15° 24' 08"
T = 23.11'
L = 46.15'
R = 372.00'
P.C. = 15+60.40 FI
P.T. = 16+06.55 FI

P.I. = 16+24.39 FI
Y = 489,528.19
X = 827,464.89
DELTA = 1° 11' 11" (LT)

P.I. = 18+67.66 FI
Y = 489,352.87
X = 827,633.53
DELTA = 8° 13' 48" (LT)
D = 5° 43' 46"
T = 71.94'
L = 143.64'
R = 1,000.00'
P.C. = 17+95.71 FI
P.T. = 19+39.35 FI

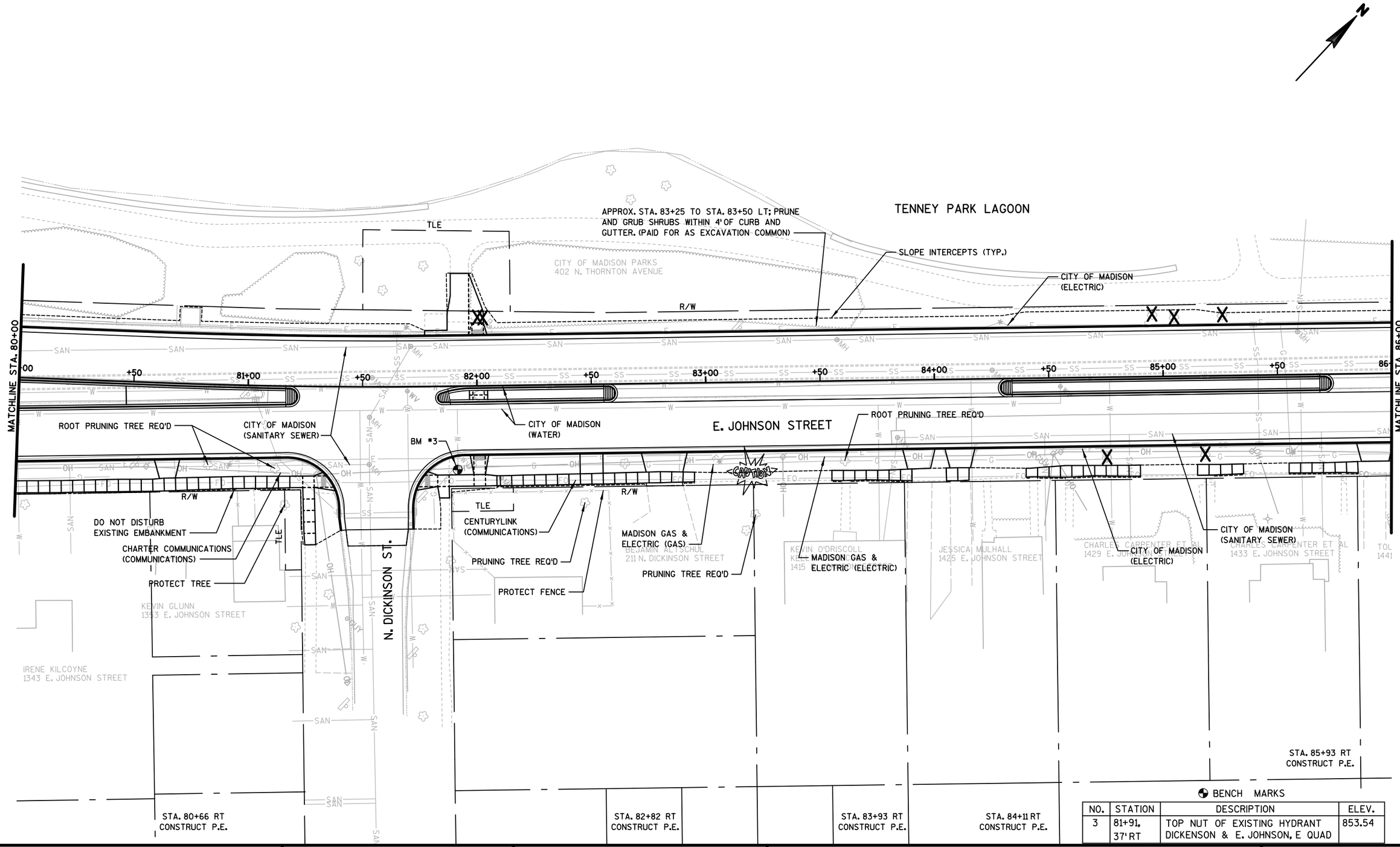


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET 336	E



5 5

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET 337 E



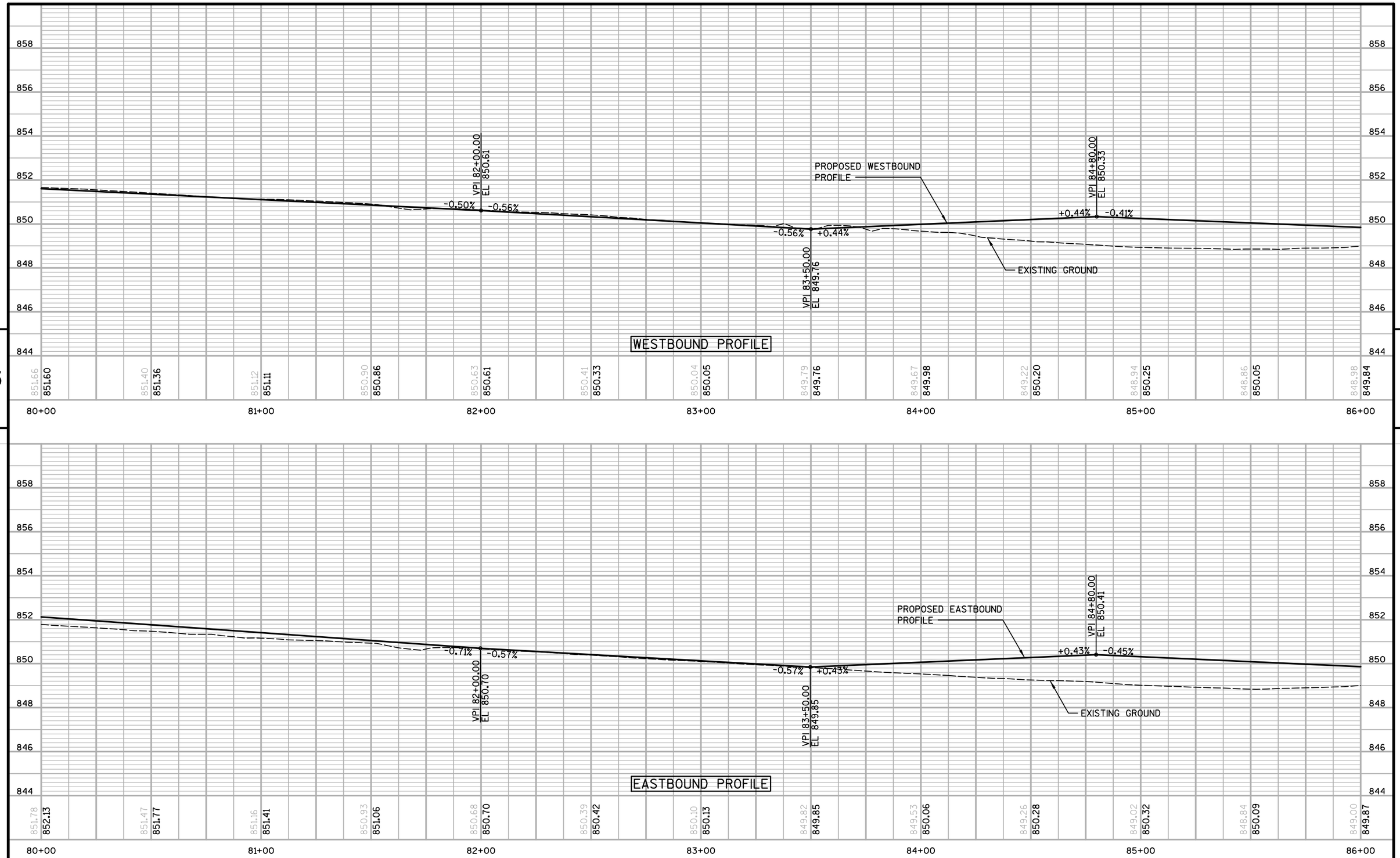
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
3	81+91, 37' RT	TOP NUT OF EXISTING HYDRANT DICKENSON & E. JOHNSON, E QUAD	853.54

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET 338	E

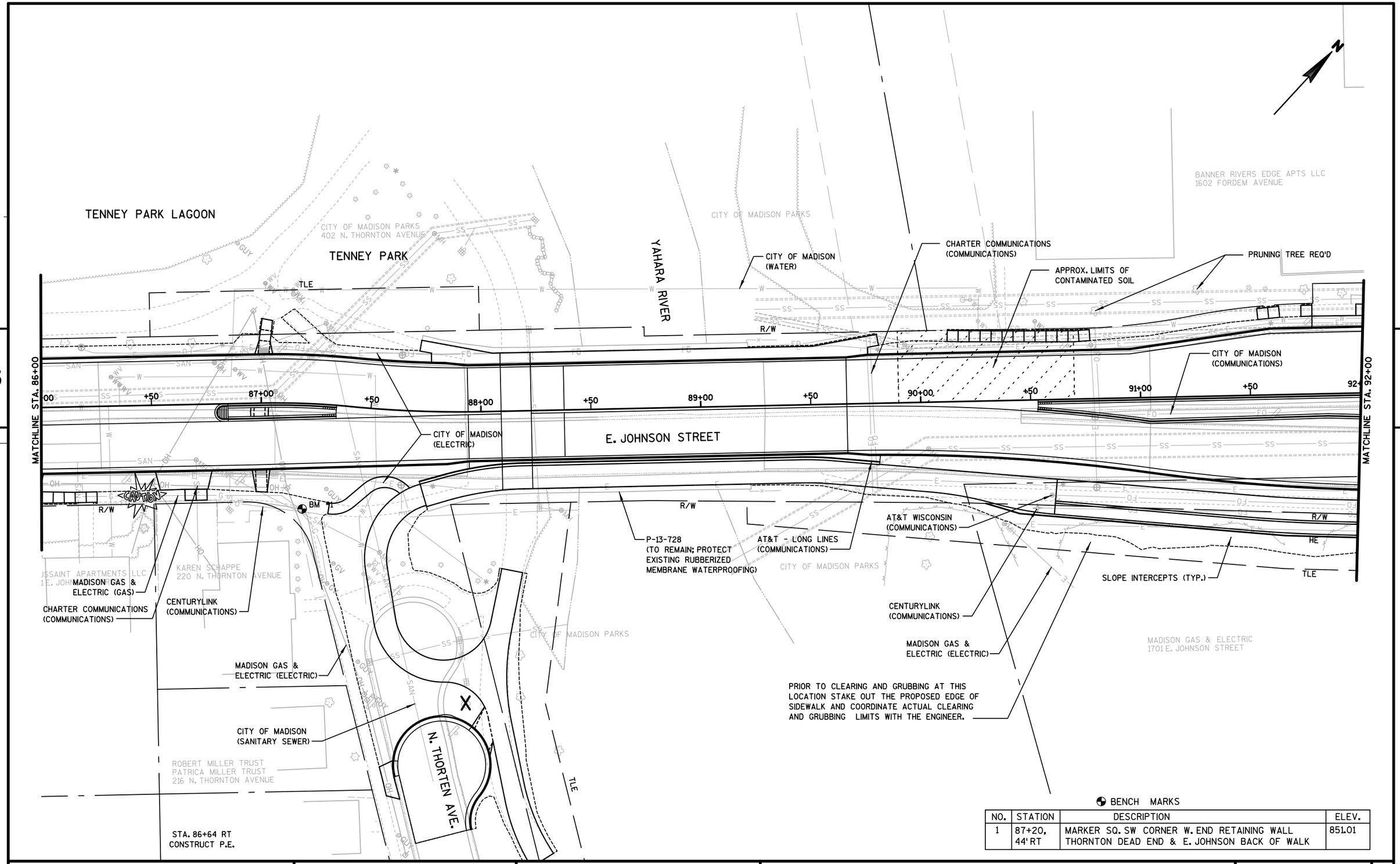
FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\050103_pp.dgn PLOT DATE : 10/8/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44



5 5

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET 339 E

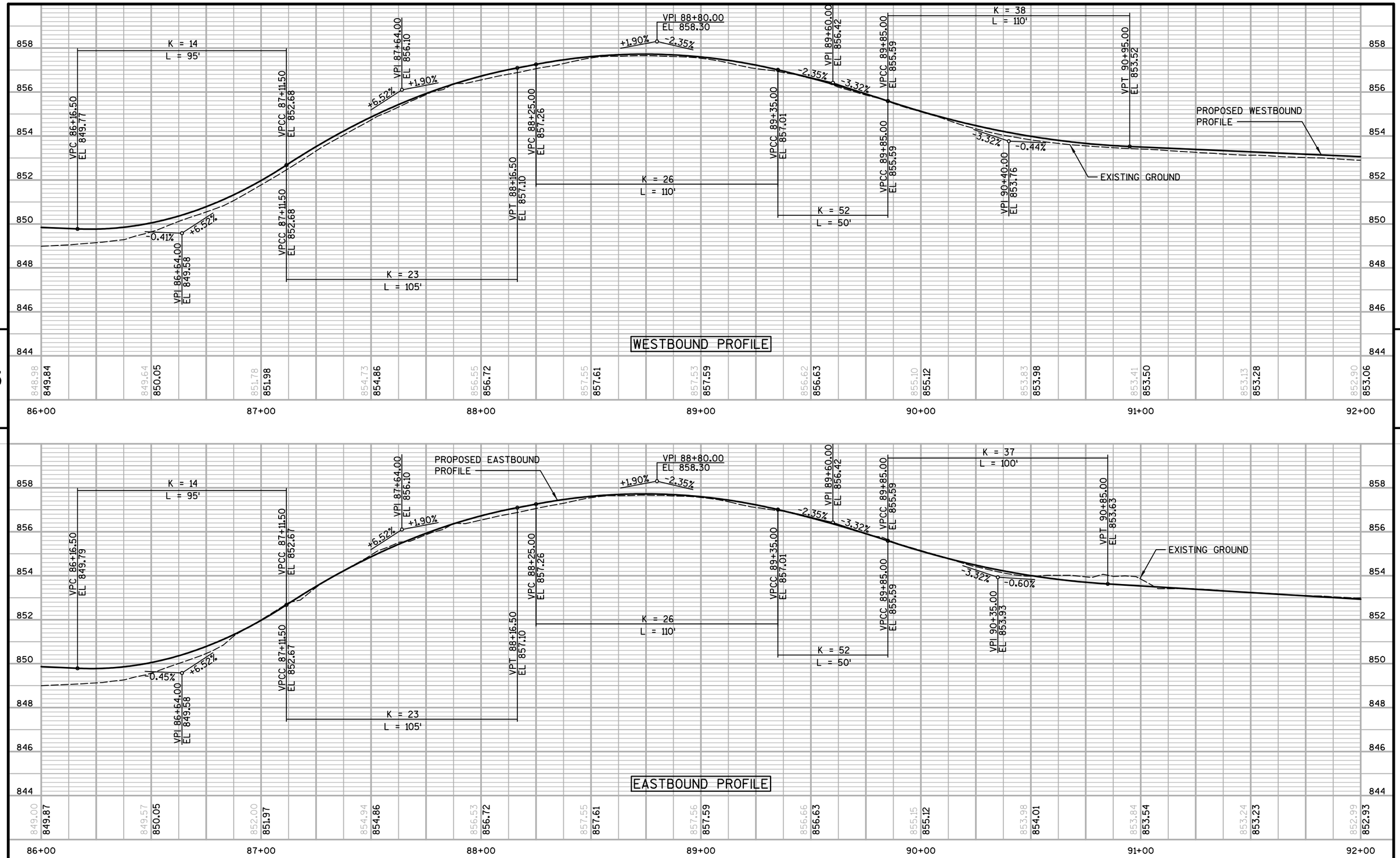


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	87+20, 44' RT	MARKER SQ. SW CORNER W. END RETAINING WALL THORNTON DEAD END & E. JOHNSON BACK OF WALK	851.01

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\050105_pp.dgn PLOT DATE : 10/12/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET 341 E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\050106_pp.dgn PLOT DATE : 10/8/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 46

END CONSTRUCTION
STA. 11+39.02 FO

STA. 94+88.16 =
STA. 10+00.00 FO

STA. 97+95 LT
CONSTRUCT C.E.

STA. 94+50 RT
CONSTRUCT C.E.

MATCHLINE STA. 92+00

MATCHLINE STA. 98+00

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

MADISON GAS & ELECTRIC
1701 E. JOHNSON STREET

STATE OF WI WISDOT
1811 E. JOHNSON STREET

CITY OF MADISON ENGINEER
WALKWAYS & BIKEPATHS 536
1800 E. WASHINGTON AVENUE

FORDEM AVE.

E. JOHNSON STREET

WISCONSIN & SOUTHERN RAILROAD

ROOT PRUNING TREE REQ'D

CITY OF MADISON (ELECTRIC)

CITY OF MADISON (WATER)

CITY OF MADISON (COMMUNICATIONS)

MADISON GAS & ELECTRIC (ELECTRIC)

AT&T WISCONSIN (COMMUNICATIONS)

CENTURYLINK (COMMUNICATIONS)

WISCOSNIN & SOUTHERN RAILROAD(ELECTRIC)

SLOPE INTERCEPTS (TYP.)

WISCOSNIN & SOUTHERN RAILROAD (COMMUNICATIONS)

SPRINT NEXTEL (COMMUNICATIONS)

VERIZON (COMMUNICATIONS)

ROGERS TELECOM & LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)

LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)

AMERICAN TRANSMISSION COMPANY (ELECTRIC)

AT&T - LONG LINES (COMMUNICATIONS)

BM #2

R/W

HE

TLE

+50 FO

12+00 FO

11+00 FO

93+00

94+00

95+00

96+00

97+00

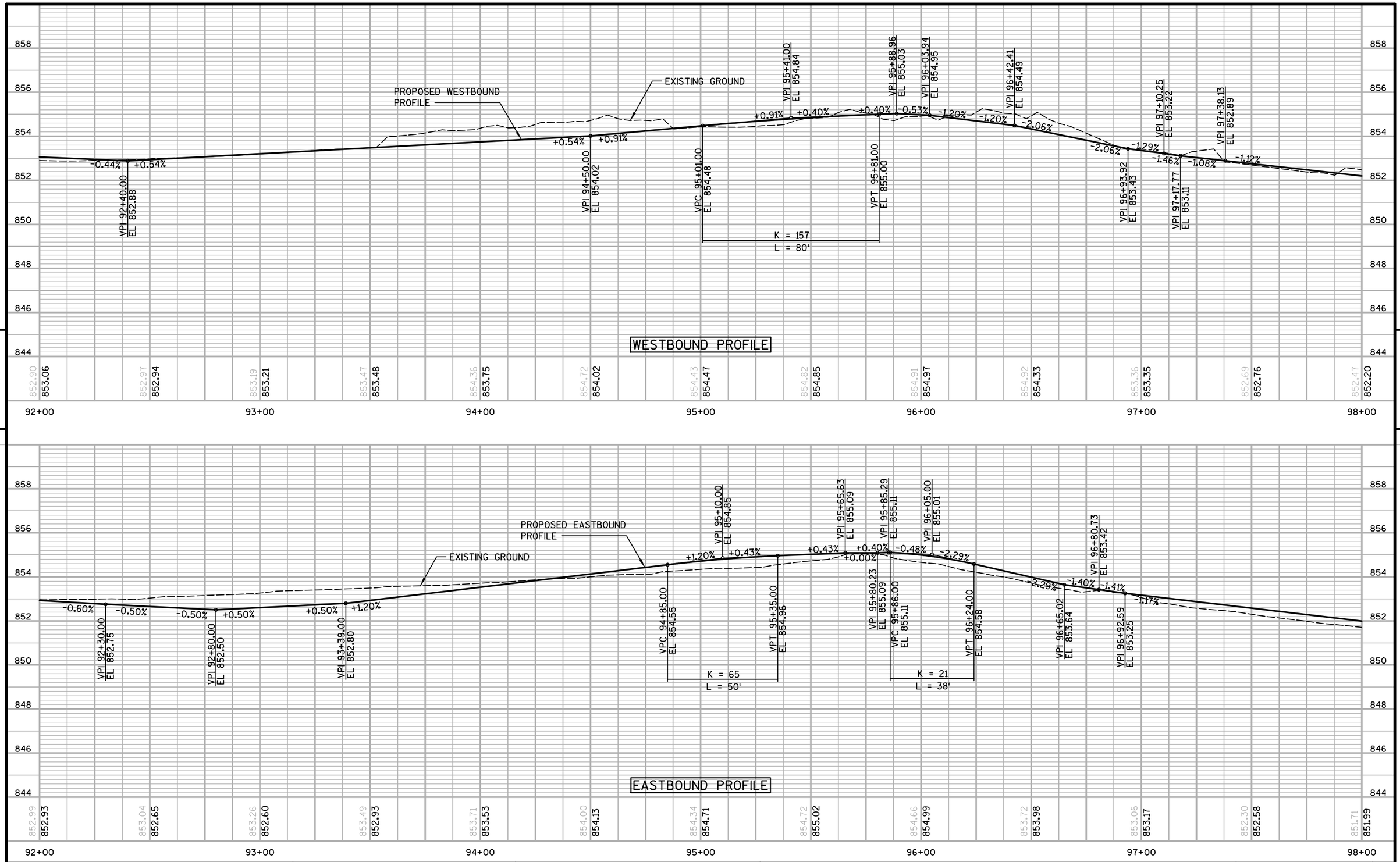
98+00

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
2	92+49, 41' RT	TOP NUT HYDRANT, E. JOHNSON STREET @ TRAIN CROSSING SIGN	856.21

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\050107_pp.dgn PLOT DATE : 10/12/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET

E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\050108_pp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 46

STA. 100+23 LT
CONSTRUCT C.E.

CANADIAN PACIFIC

COMPLETE THE RELOCATION AND WIDENING OF THIS ACCESS AS EARLY IS PRACTICAL IN STAGE 2.

CITY OF MADISON (SANITARY SEWER)

SLOPE INTERCEPTS (TYP.)

ROGERS TELECOM & LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)

AMERICAN TRANSMISSION COMPANY (ELECTRIC)

SOO LINE RR CO ROOM 1420
1894 E. JOHNSON STREET

AT&T - LONG LINES (COMMUNICATIONS)

AMERICAN TRANSMISSION COMPANY & LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)

FIRST JOHNSON CORPORATION
1898 E. JOHNSON STREET

WINDSTREAM (COMMUNICATIONS)

AMERICAN TRANSMISSION COMPANY (ELECTRIC)

END PROJECT
STA. 100+74.86
MATCH EXISTING

ADJUSTING MANHOLE COVERS REQ'D (MMSD)

TLE

R/W

APPROX. LIMITS OF CONTAMINATED SOIL

AT&T WISCONSIN (COMMUNICATIONS)

MATCHLINE STA. 98+00

MATCHLINE STA. 104+00

STH 113

STA. 100+00.40 =
STA. 10+00.00 FI

E. JOHNSON STREET

RECONSTRUCT MMSD SANITARY SEWER STRUCTURE REQ'D. LOCATE CASTING OUTSIDE OF PROPOSED CURB AND GUTTER.

CITY OF MADISON (COMMUNICATIONS)

MADISON GAS & ELECTRIC (ELECTRIC)

CITY OF MADISON (ELECTRIC)

ADJUSTING MANHOLE COVERS REQ'D (MMSD)

CITY OF MADISON (WATER)

AT&T WISCONSIN (COMMUNICATIONS)

RECONSTRUCT MMSD SANITARY SEWER STRUCTURE REQ'D. LOCATE CASTING OUTSIDE OF PROPOSED CURB AND GUTTER.

ADJUSTING MANHOLE COVERS REQ'D (MMSD)

TLE

APPROXIMATE LIMITS OF OLD PUMPING STATION FOUNDATION/WALLS

MADISON METROPOLITAN SEWERAGE DISTRICT (SANITARY SEWER)

MADISON GAS & ELECTRIC (GAS)

MADISON GAS & ELECTRIC (ELECTRIC)

BUILDING REMOVED BY OTHERS PRIOR TO CONSTRUCTION

CITY OF MADISON MOTOR EQ MOTOR EQUIPMENT
298 N. FIRST STREET

CITY OF MADISON WATER UTILITY
212 N. FIRST STREET

AT&T WISCONSIN (COMMUNICATIONS)

WINDSTREAM (COMMUNICATIONS)

STA. 98+79 RT
CONSTRUCT C.E.

STH 113 (N. 1ST ST.)

CITY OF MADISON (ELECTRIC)

AT&T WISCONSIN (COMMUNICATIONS)

RECONSTRUCT MMSD SANITARY SEWER STRUCTURE REQ'D. LOCATE CASTING OUTSIDE OF PROPOSED CURB AND GUTTER.

MADISON GAS & ELECTRIC (GAS)

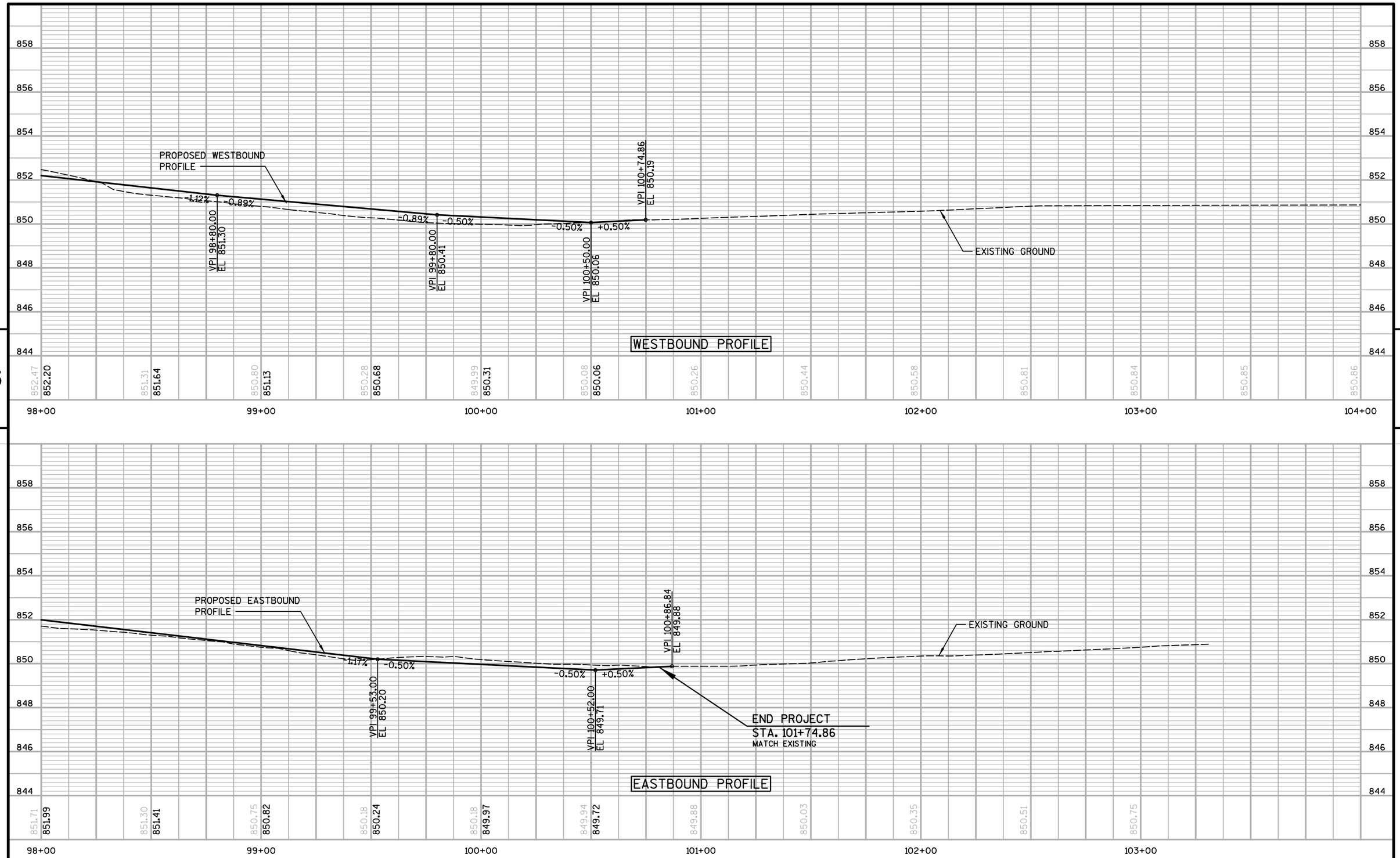
CITY OF MADISON (SANITARY SEWER)

MATCHLINE STA. 104+00

END CONSTRUCTION
STA. 104+90.38

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\050109_pp.dgn PLOT DATE : 10/8/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET 345	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\050110_pp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 46

STA. 100+00.40
STA. 10+00.00 FI

ADJUSTING MANHOLE COVERS REQ'D (MMSD)

ADJUSTING MANHOLE COVERS REQ'D (MMSD)

RECONSTRUCT MMSD SANITARY SEWER STRUCTURE REQ'D. LOCATE CASTING OUTSIDE OF PROPOSED CURB AND GUTTER.

CITY OF MADISON (SANITARY SEWER)

MADISON METROPOLITAN SEWERAGE DISTRICT (SANITARY SEWER)

MADISON GAS & ELECTRIC (ELECTRIC)

AMERICAN TRANSMISSION COMPANY (ELECTRIC)

CITY OF MADISON (WATER)

88° 23'44"

AMERICAN TRANSMISSION COMPANY & LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)

STH 113

E. JOHNSON STREET

CITY OF MADISON ENGINEERING WALKWAYS & BIKEPATHS

L&K WEBER GROUP LLC 213 N. FIRST STREET

AT&T WISCONSIN (COMMUNICATIONS)

CITADEL DEVELOPMENT INC 211 N. FIRST STREET

LLC HARLAN 207 N. FIRST STREET

MADISON GAS & ELECTRIC (ELECTRIC)

CAROLYN KRUSE ELLEN PRYOR 1902 E. DAYTON STREET

MADISON GAS & ELECTRIC (GAS)

E. DAYTON ST.

JACOB HOAGLAND 125 N. FIRST STREET

ABDUL SARHAN SUZANNE SARHAN 121 N. FIRST STREET

JOSH PELLETTER SARAH PELLETTER 117 N. FIRST STREET

ABDUL SARHAN SUZANNE SARHAN 113 N. FIRST STREET

CITY OF MADISON (SANITARY SEWER)

RECONSTRUCT MMSD SANITARY SEWER STRUCTURE REQ'D. LOCATE CASTING OUTSIDE OF PROPOSED CURB AND GUTTER.

STH 113 (N. FIRST ST.)

MATCHLINE STA. 15+00 FI

CAUTION

AT&T WISCONSIN (COMMUNICATIONS)

CITY OF MADISON WATER UT WELL #3 212 N. FIRST STREET

MADISON GAS & ELECTRIC (ELECTRIC)

CITY OF MADISON MOTOR EQ MOTOR EQUIPMENT 298 N. FIRST STREET

MADISON GAS & ELECTRIC (GAS)

MADISON METROPOLITAN SEWERAGE DISTRICT (SANITARY SEWER)

SLOPE INTERCEPTS (TYP.)

BUILDING REMOVED BY OTHERS PRIOR TO CONSTRUCTION

CHARTER COMMUNICATIONS (COMMUNICATIONS)

US SIGNAL (COMMUNICATIONS)

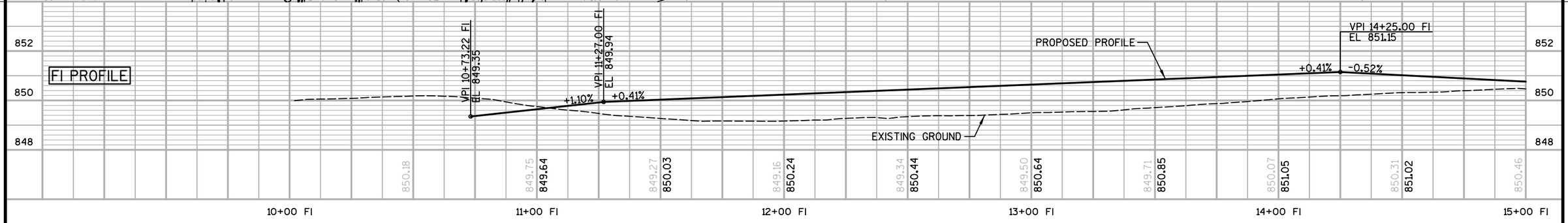
STA. 11+38 FI RT CONSTRUCT C.E.

STA. 12+78 FI RT CONSTRUCT C.E.

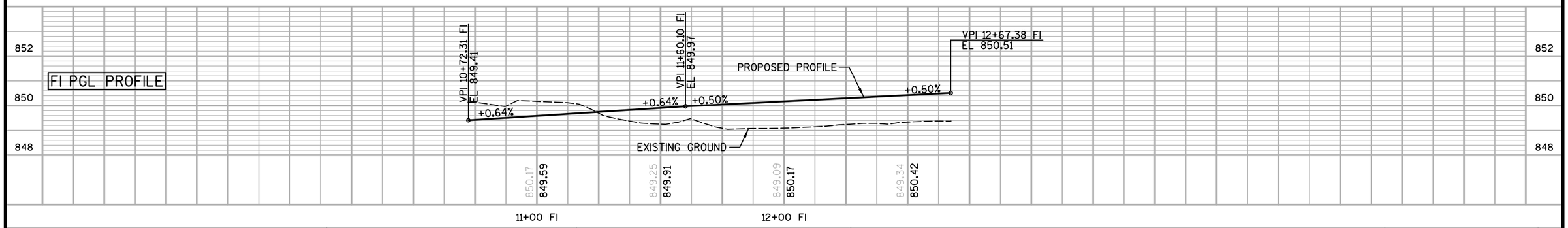
STA. 13+83 FI RT CONSTRUCT C.E.

STA. 14+37 FI RT CONSTRUCT C.E.

FI PROFILE



FI PGL PROFILE



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILE - N. FIRST STREET	SHEET 346 E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\050111_pp.dgn PLOT DATE : 10/5/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

BERNICE DAY
109 N. FIRST STREET

MADISON GAS &
ELECTRIC (ELECTRIC)

AMERICAN TRANSMISSION
COMPANY (ELECTRIC)

R/W

E. MIFFLIN ST.

AT&T WISCONSIN
(COMMUNICATIONS)

MADISON GAS &
ELECTRIC (GAS)

CHARTER COMMUNICATIONS
(COMMUNICATIONS)

CITY OF MADISON
(SANITARY SEWER)

CITY OF MADISON
(ELECTRIC)

MATCHLINE STA. 15+00 FI

+00 FI +50 FI 16+00 FI

+50 FI 17+00 FI +50 FI 18+00 FI +50 FI 19+00 FI

END CONSTRUCTION
STA. 16+06.55 FI
SAWCUT REQ'D
MATCH EXISTING

STH 113 (N. FIRST ST.)

CAUTION

R/W

CITY OF MADISON
(ELECTRIC)

SLOPE INTERCEPTS (TYP.)

TLE

MADISON GAS &
ELECTRIC (GAS)

MADISON GAS &
ELECTRIC (ELECTRIC)

AT&T WISCONSIN
(COMMUNICATIONS)

US SIGNAL
(COMMUNICATIONS)

MADISON METRO SEWERAGE
DISTRICT STATION 2
104 N. FIRST STREET

5

5

PROPOSED PROFILE

VPI 16+06.55 FI
EL. 850.21

-0.52%

EXISTING GROUND

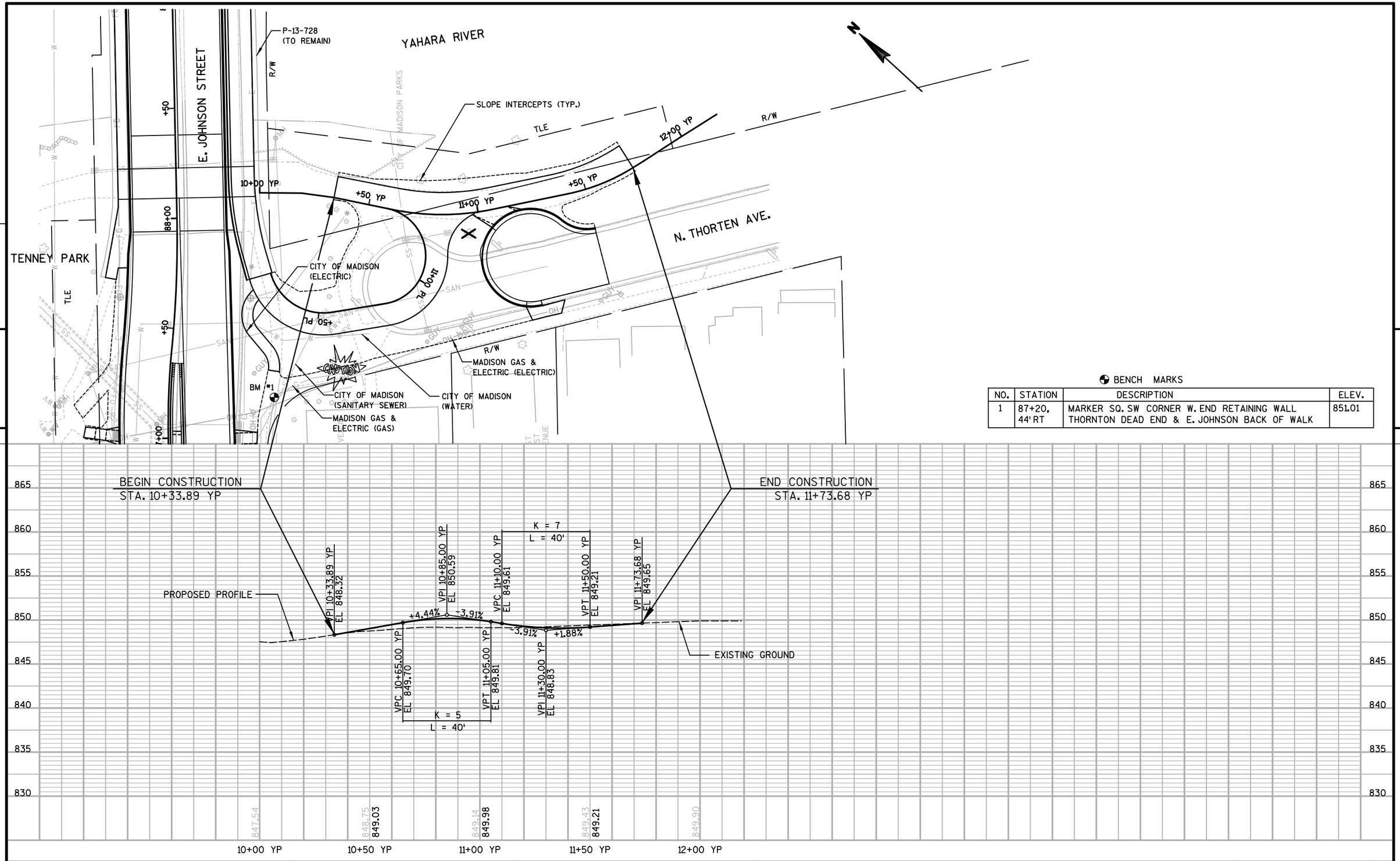
858
856
854
852
850
848
846
844

850.46 850.76 850.43 850.50 850.23 850.24 850.53 851.35 852.90 854.93 856.74 858.48

15+00 FI 16+00 FI

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILE - N. FIRST STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\050112_pp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

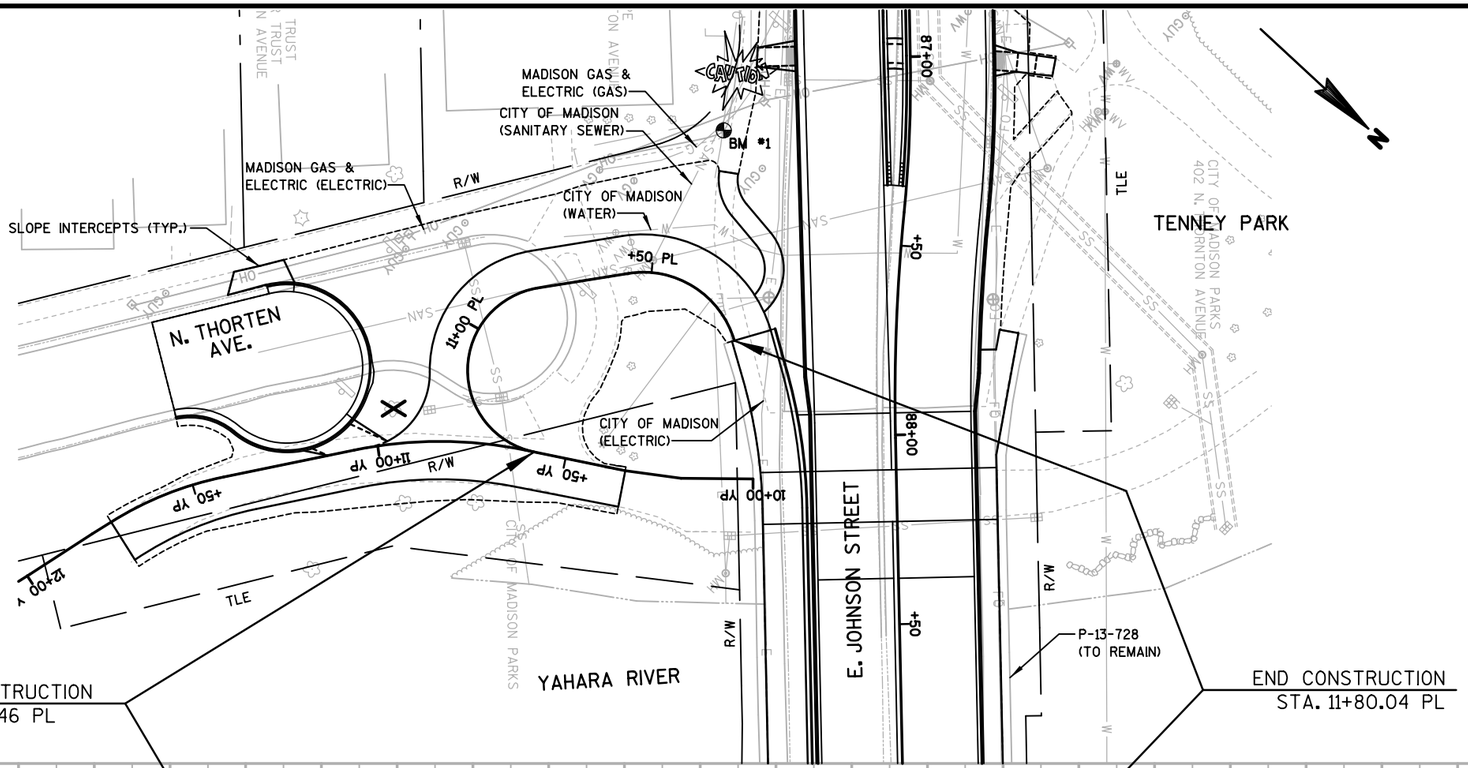


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	87+20, 44' RT	MARKER SQ. SW CORNER W. END RETAINING WALL THORNTON DEAD END & E. JOHNSON BACK OF WALK	851.01

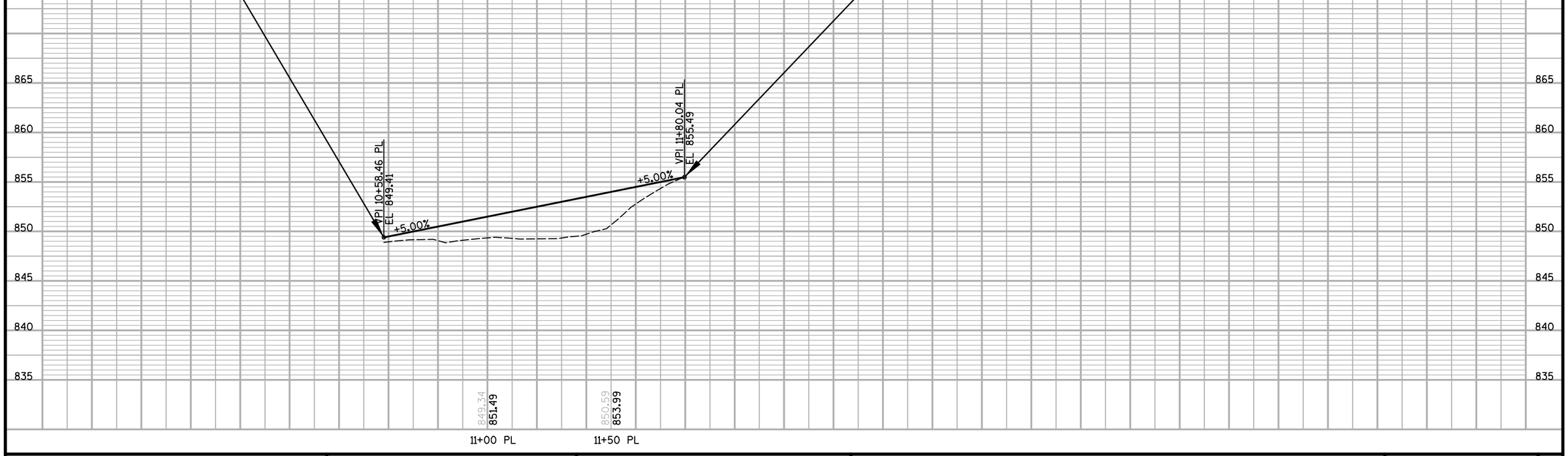
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - YP LINE	SHEET 348	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\050113_pp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	87+20, 44' RT	MARKER SQ. SW CORNER W. END RETAINING WALL THORNTON DEAD END & E. JOHNSON BACK OF WALK	851.01



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - PL LINE	SHEET 349	E

Standard Detail Drawing List

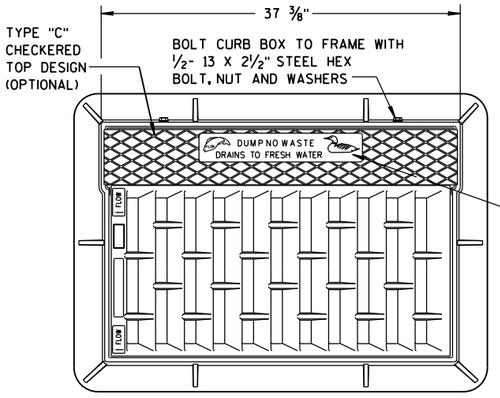
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09C03-04	TRANSFORMER/PEDESTAL BASES
09C11-10	CONCRETE BASE TYPE 10
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-05	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-08A	TYPE 9 POLE 15'-30' MONOTUBE ARM
09E08-08E	GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F01-04	DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F09-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B01-05	CONCRETE CORRUGATED MEDIAN
11B02-02	CONCRETE MEDIAN NOSE
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-06A	CONCRETE PAVEMENT JOINTING
13C18-06B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-06C	CONCRETE PAVEMENT JOINT TYPES
13C18-06D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

6

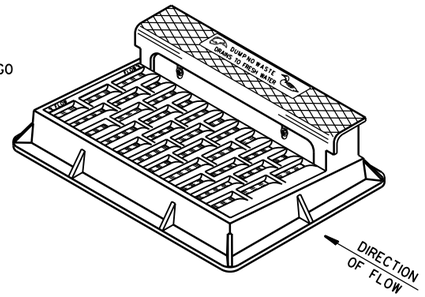
Standard Detail Drawing List

15C18-04	MEDIAN ISLAND MARKING
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C29-06A	BICYCLE LANE MARKING
15C29-06B	PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D06-03	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-06	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-03	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-06	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D30-04A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-04B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-04C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-01	TRAFFIC CONTROL, LANE SHIFT, MULTILANE DIVIDED OR ONE WAY ROAD

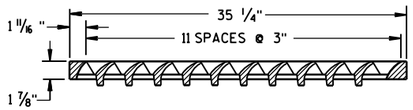
6

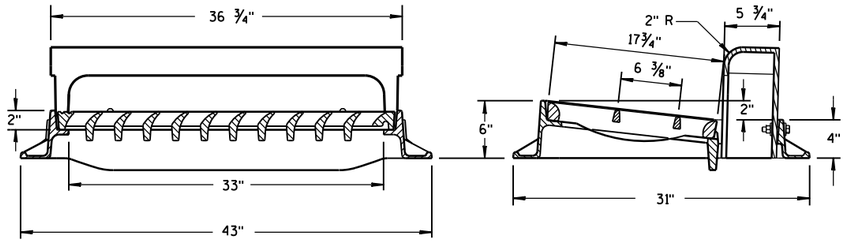


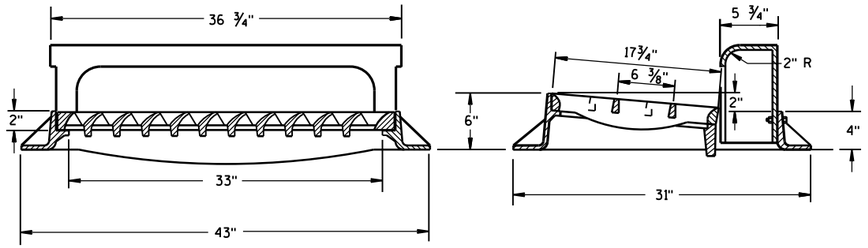
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

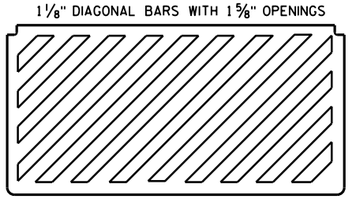






TYPE "H"

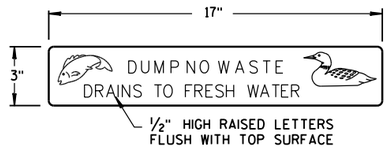
NOTE: EITHER CASTING IS ACCEPTABLE



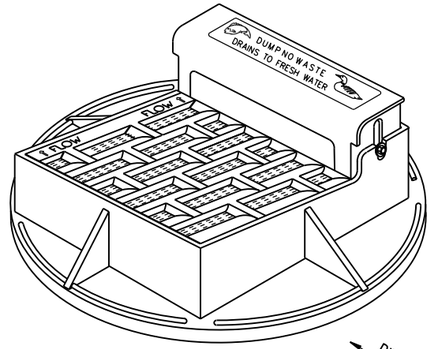
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

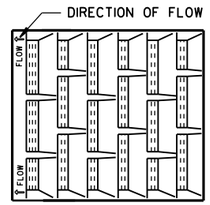
NOTE:
GRATE IS REVERSIBLE.

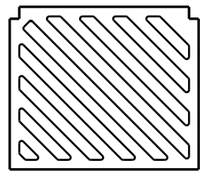
GENERAL NOTES

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

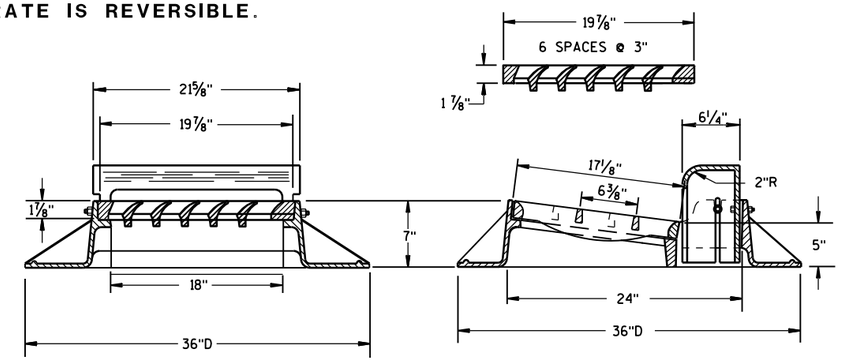




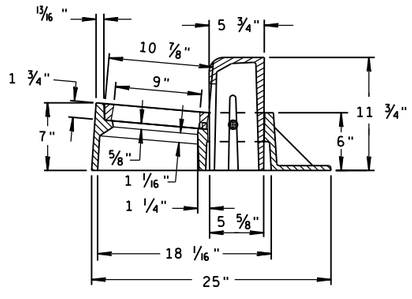
SPECIAL GRATE FOR TYPE "A" COVER

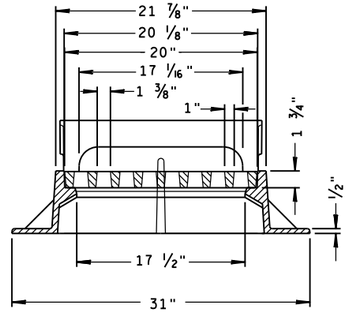
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

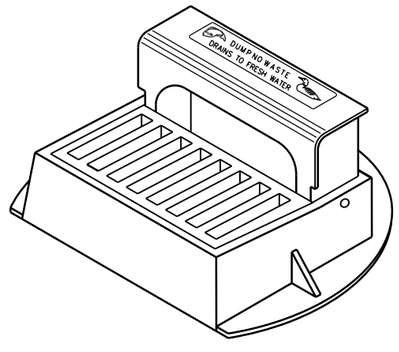


TYPE "A"





TYPE "Z"



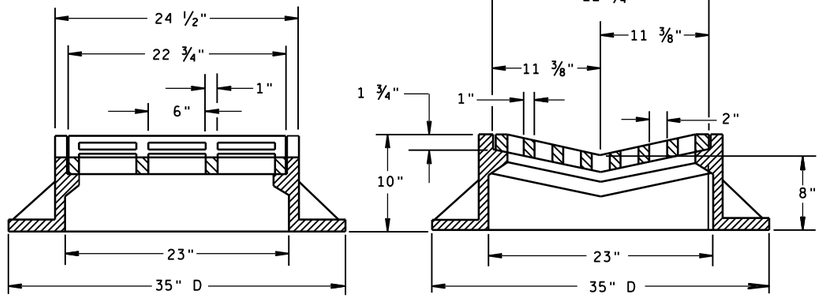
INLET COVERS
TYPE A, H, A-S, H-S & Z

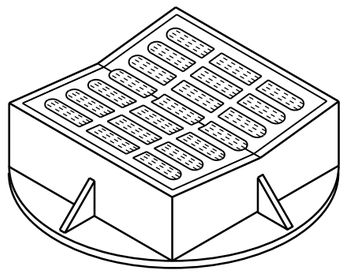
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

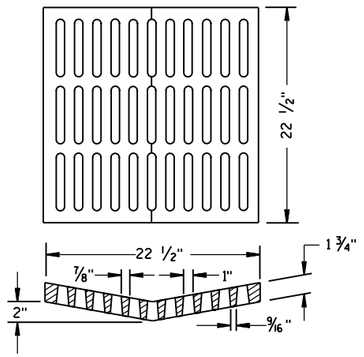
6

S.D.D. 8 A 5-19a



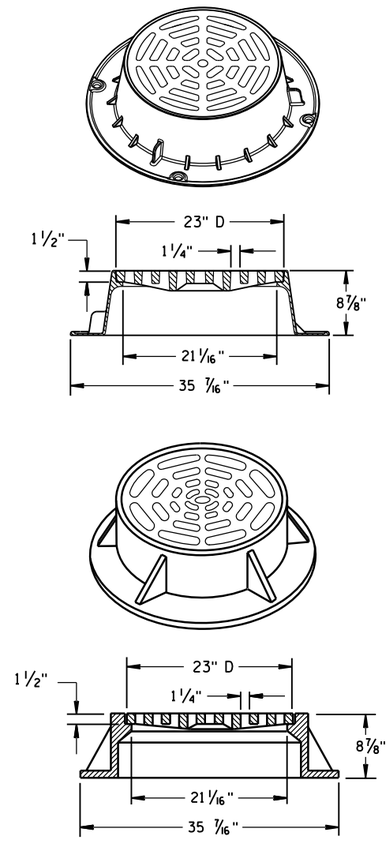


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

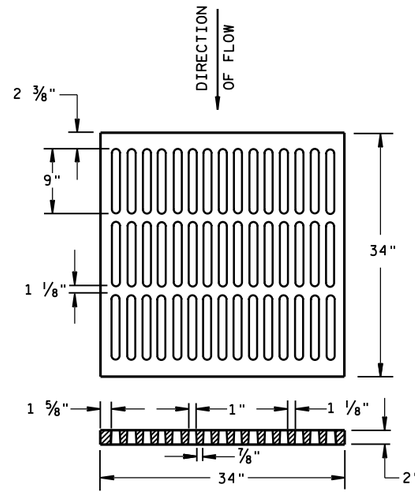
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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.

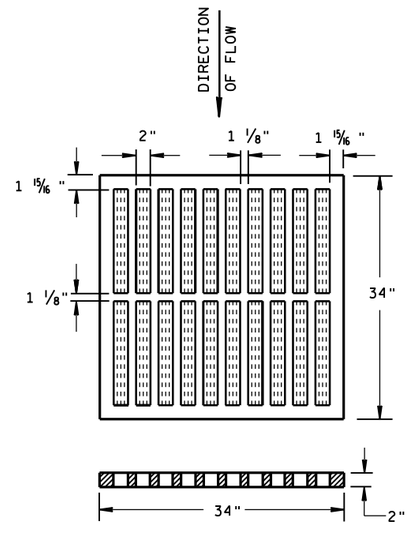
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



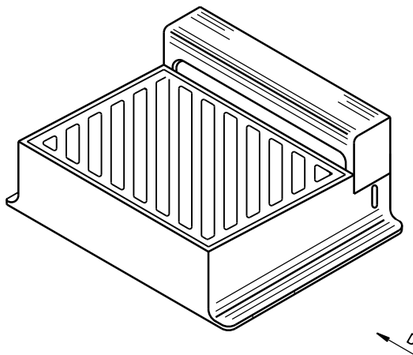
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

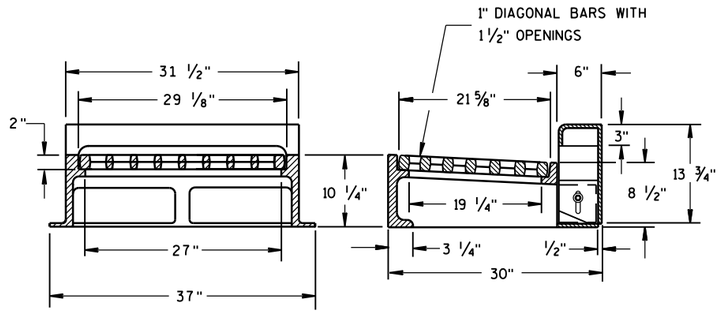


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

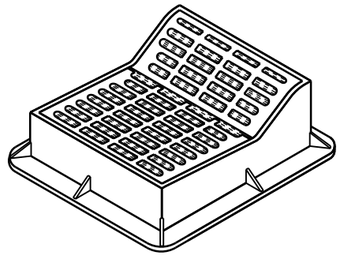
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

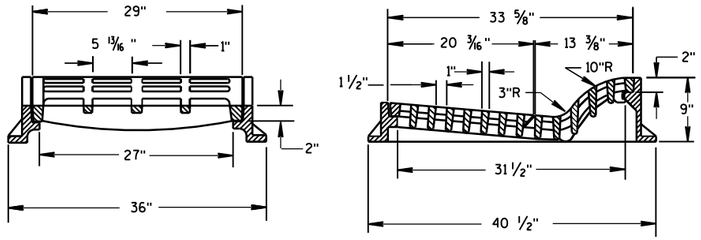
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

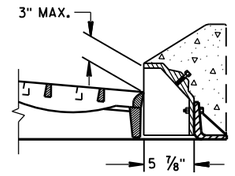
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

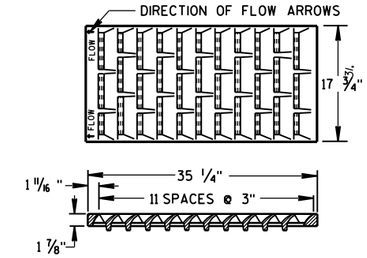
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

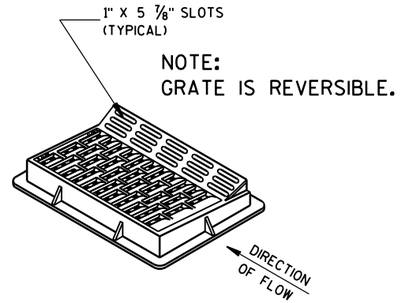
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

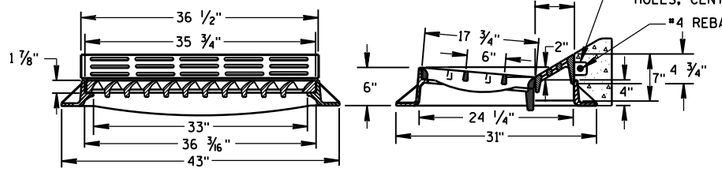
GENERAL NOTES

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.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



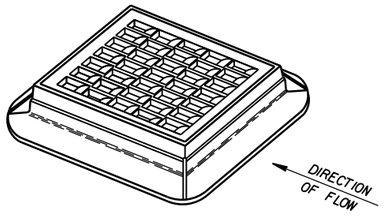


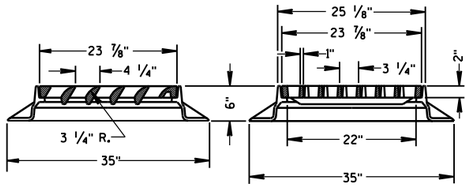


TYPE "HM"

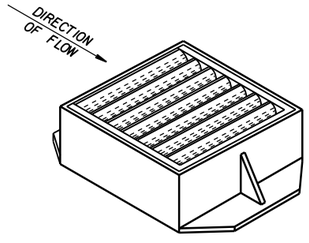
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

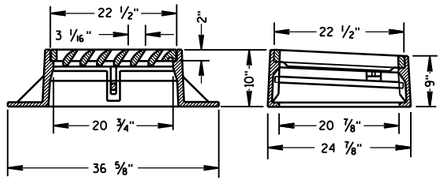
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



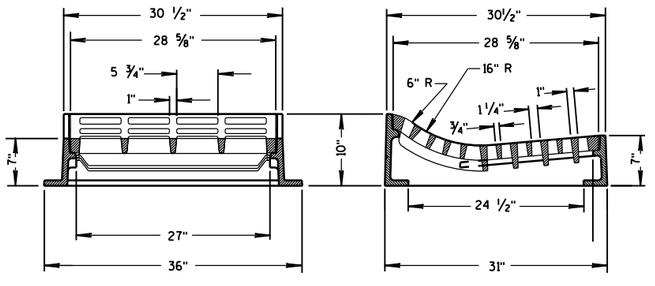


TYPE "S"



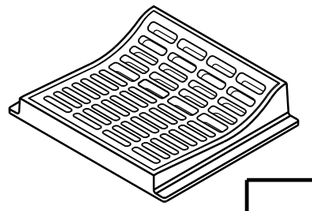


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

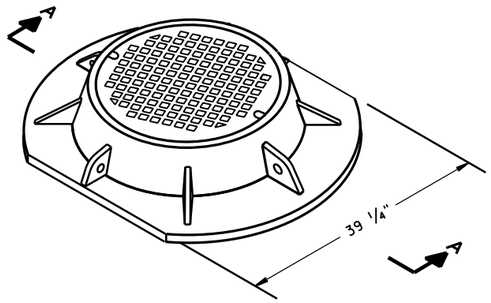
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

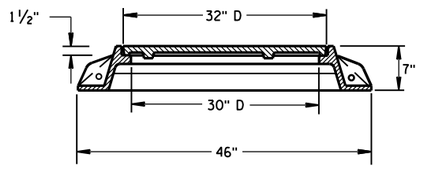
354

FHWA

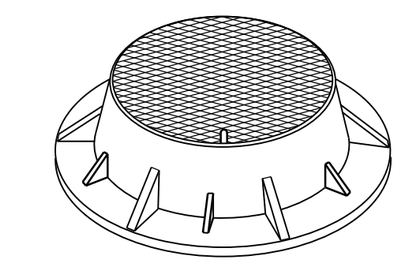
6

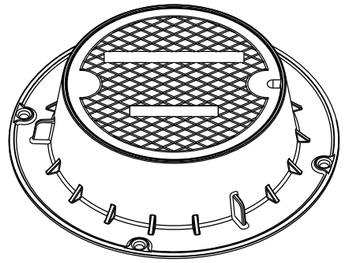
S.D.D. 8 A 5-19c

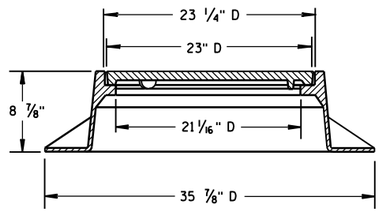


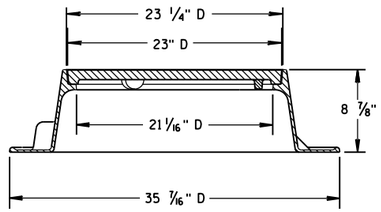


SECTION A-A
TYPE "K"









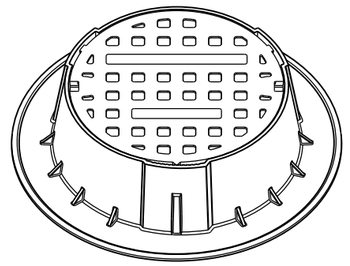
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

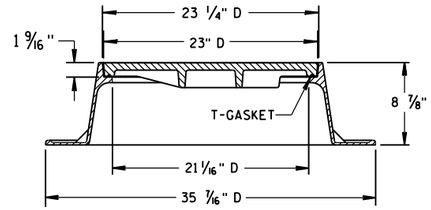
GENERAL NOTES

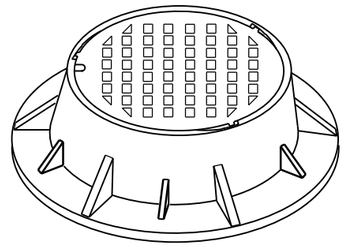
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

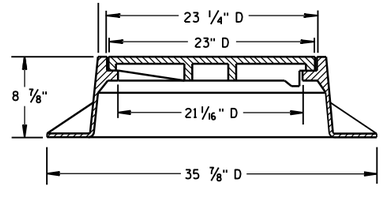
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

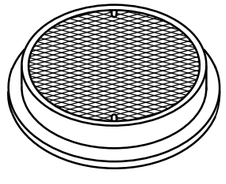


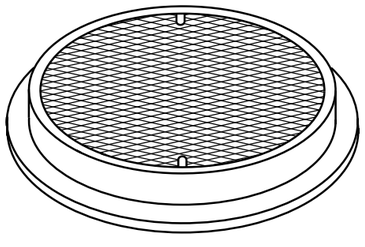


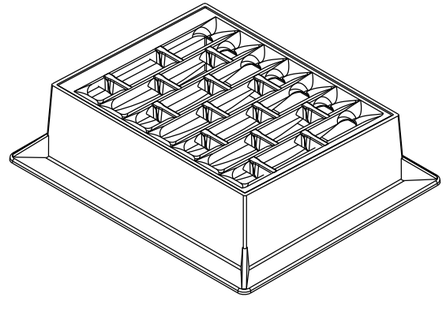


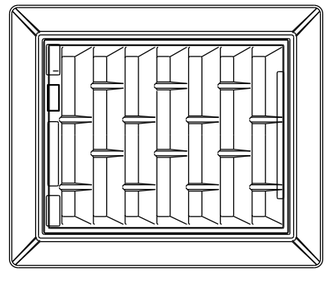


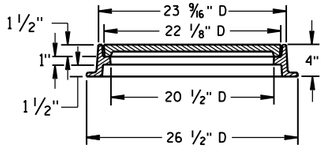
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



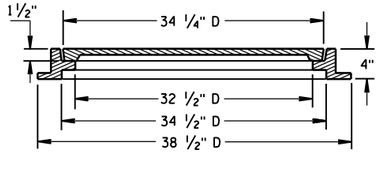




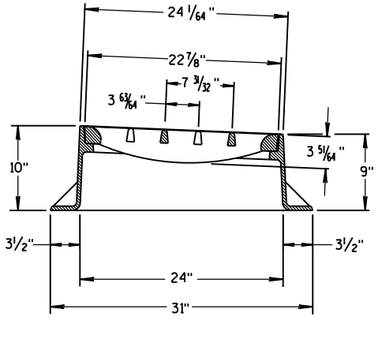


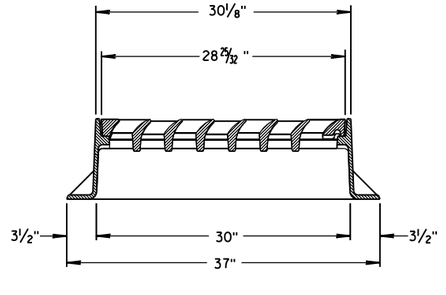


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

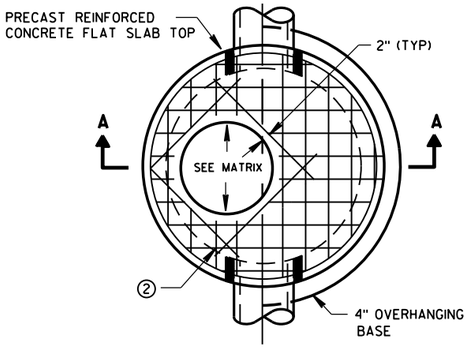
355

6

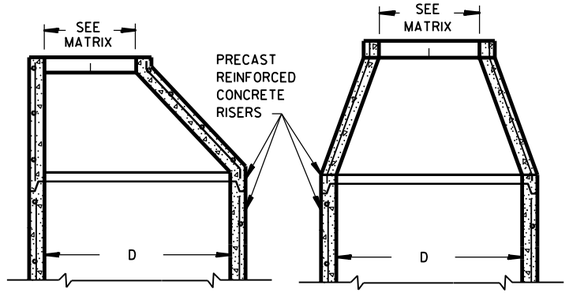
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d

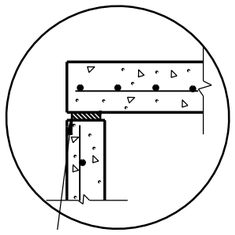


PLAN VIEW CIRCULAR OPENING

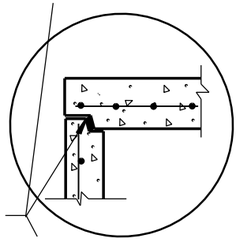


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

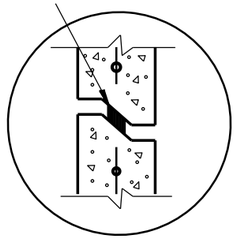


TOP WITH PLAIN END JOINT



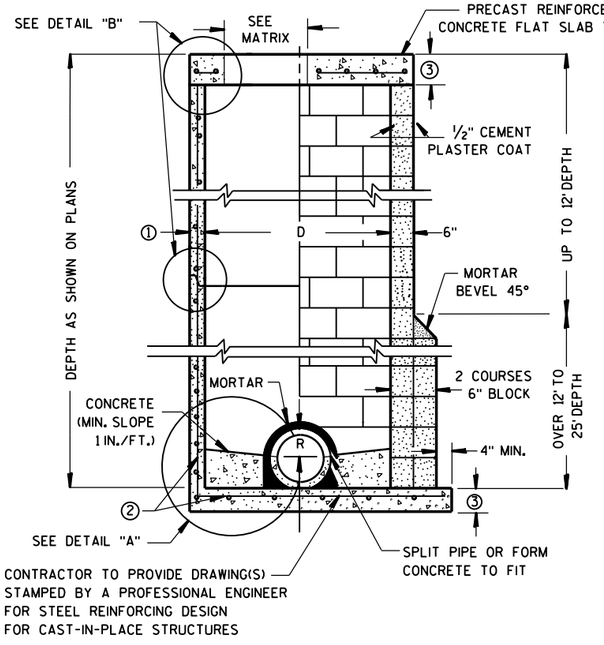
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



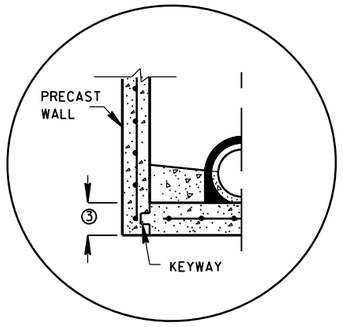
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

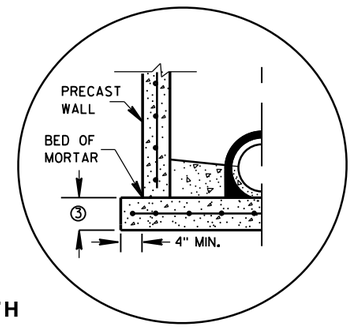


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

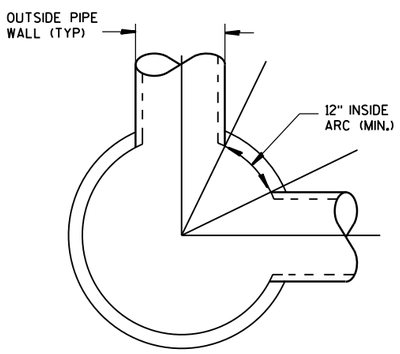


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

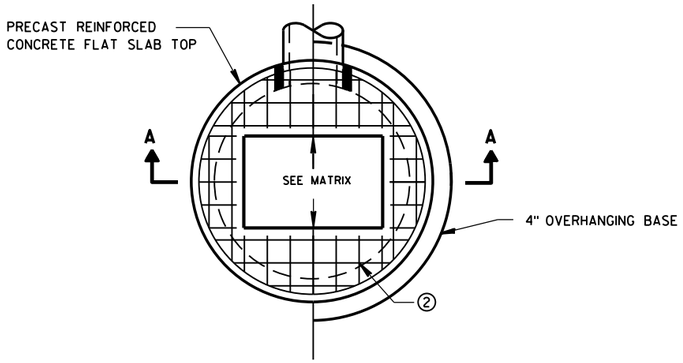
APPROVED

Sept., 2016
DATE

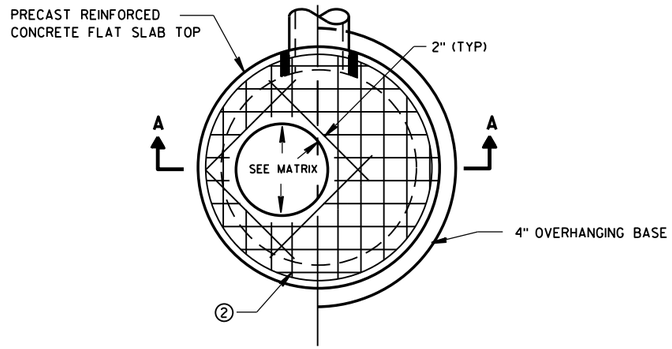
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

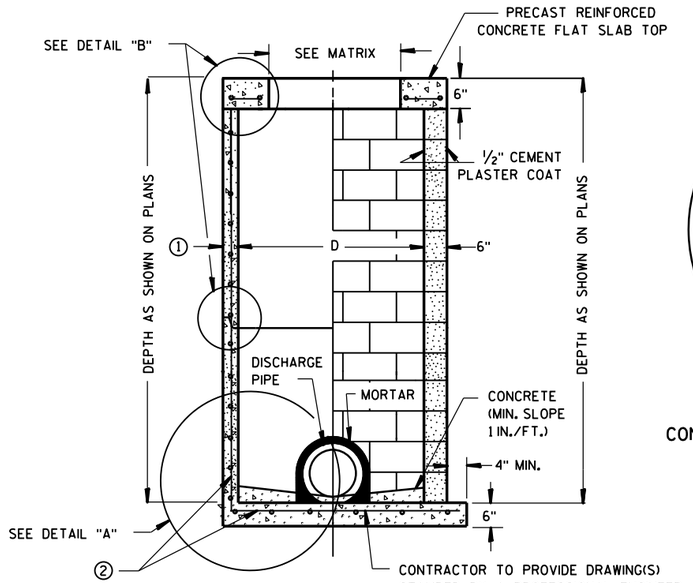
6
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

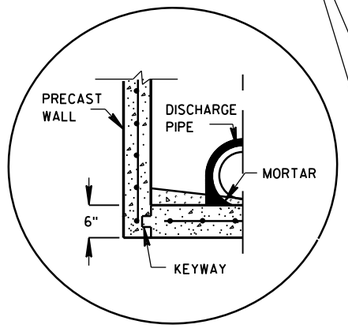


SECTION A-A

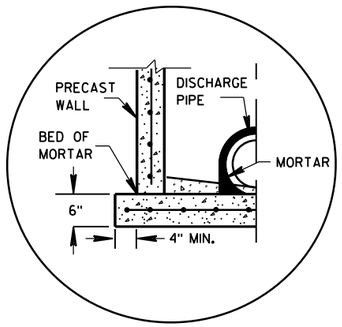
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

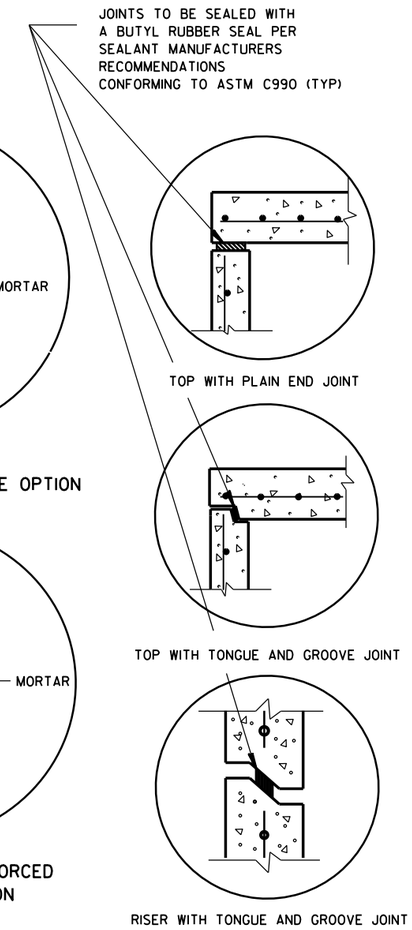


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

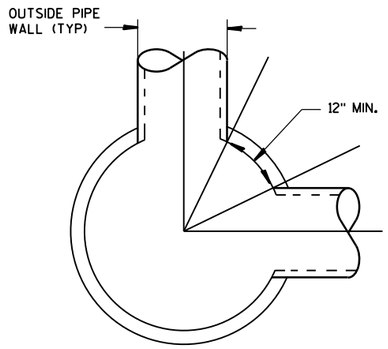
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

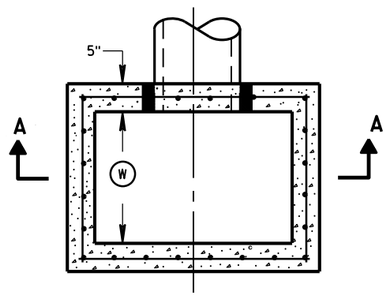
6

S.D.D. 8 C 6-2

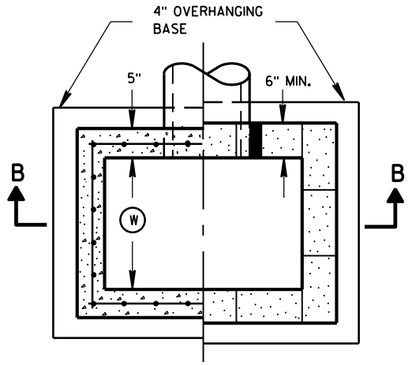
6

S.D.D. 8 C 6-2

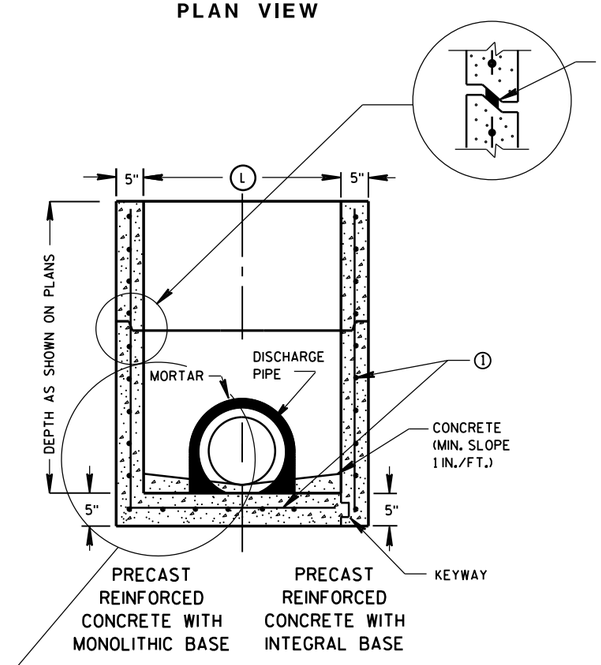
INLETS 3-FT AND 4-FT DIAMETER



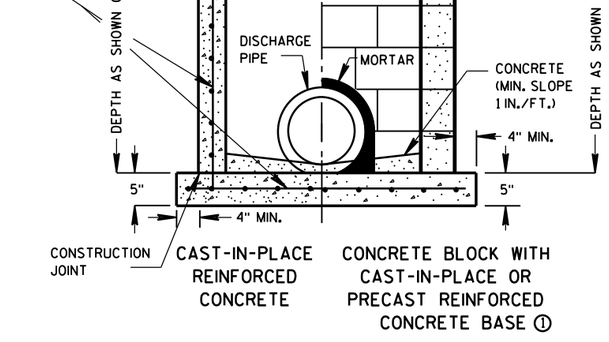
PLAN VIEW



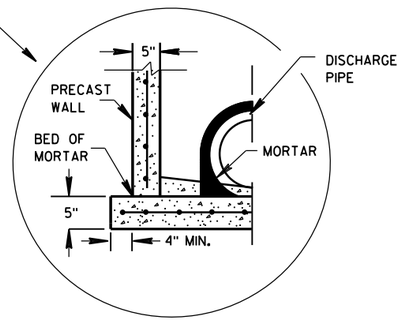
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

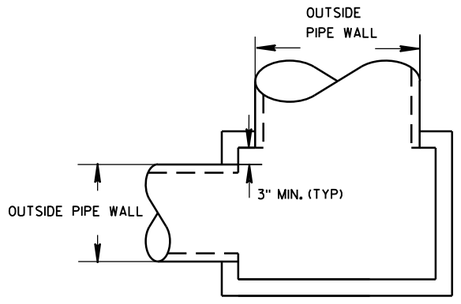
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

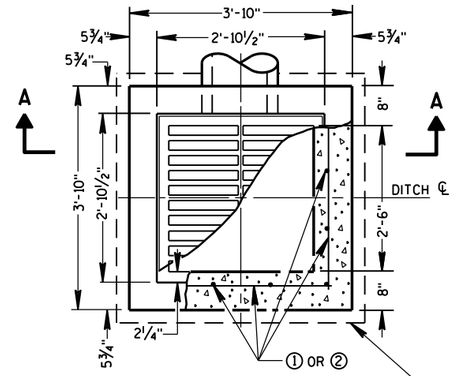
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

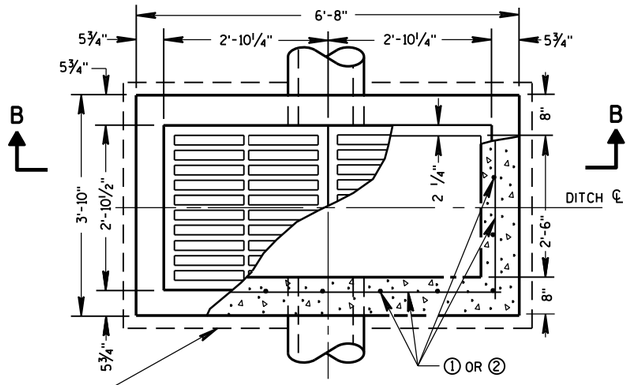
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

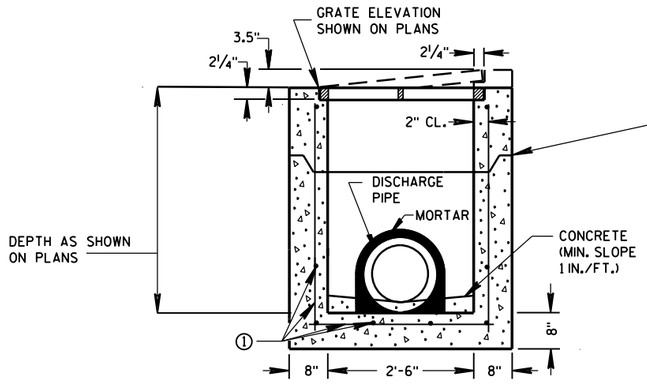


PLAN VIEW

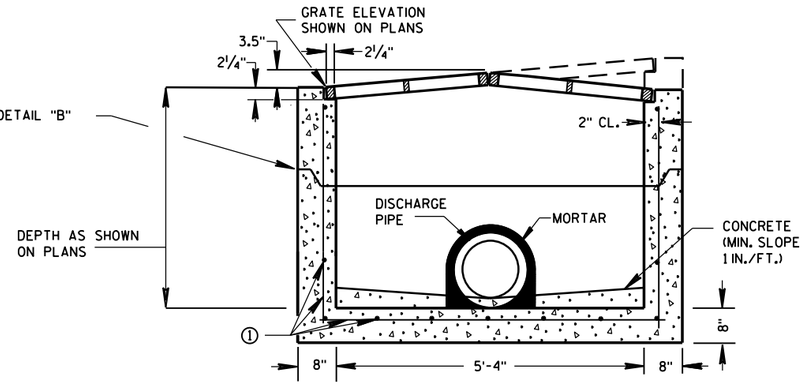


PLAN VIEW

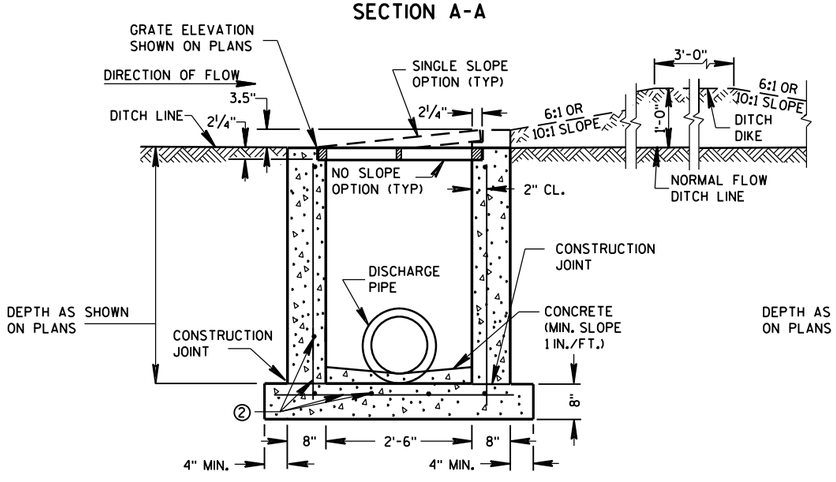
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



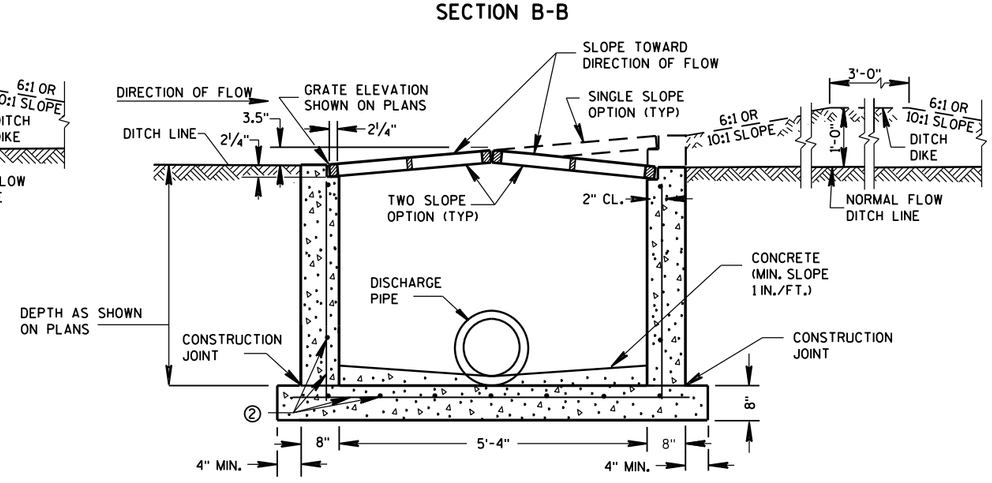
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, IG-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

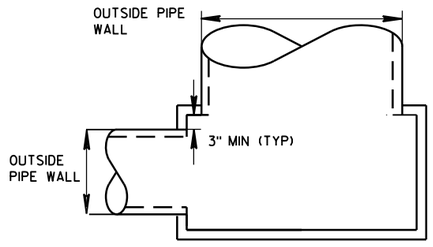
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

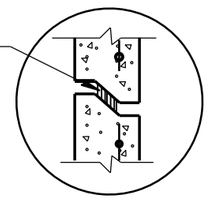
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

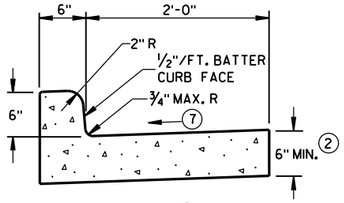
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

6

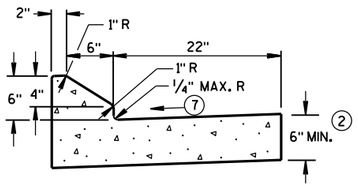
S.D.D. 8 C 8-2

6

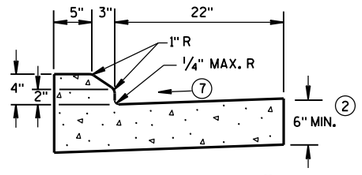
S.D.D. 8 C 8-2



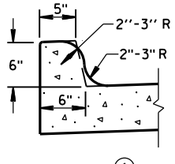
TYPES A (1) & D



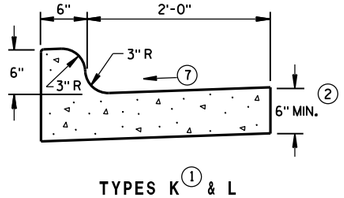
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

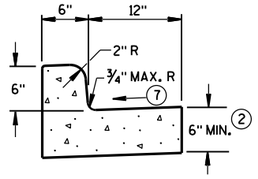


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



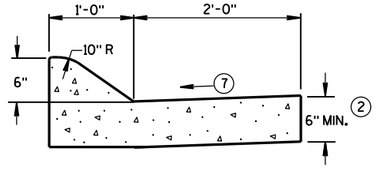
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

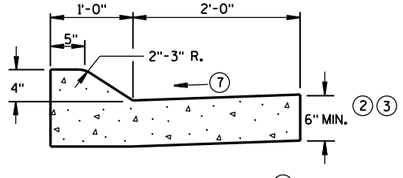


TYPES A (1) & D

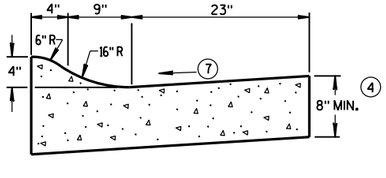
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

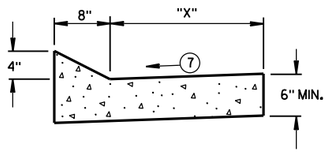


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

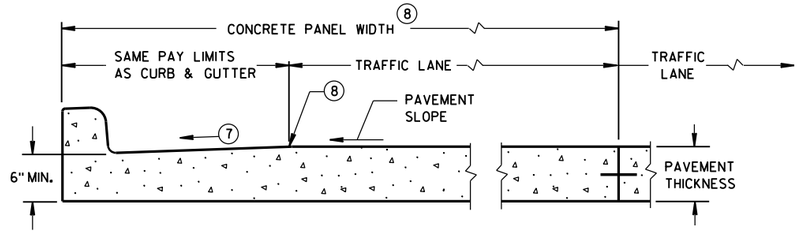
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

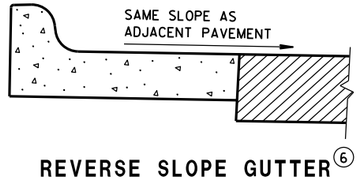
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

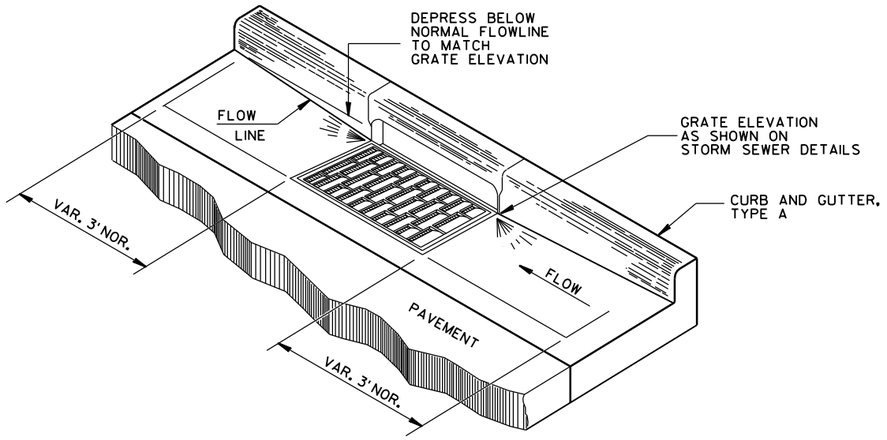
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 8 D 1-20a

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

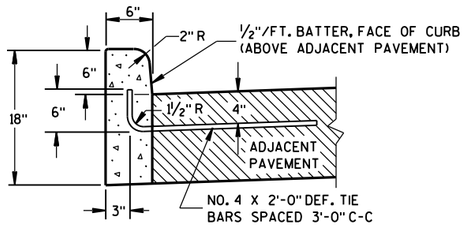
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

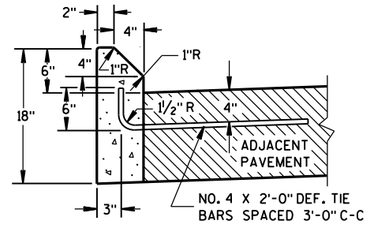
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

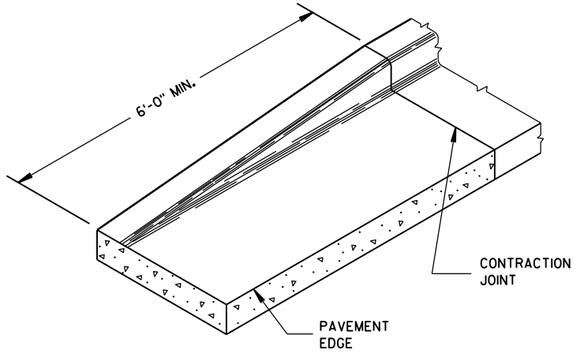


TYPES A(1) & D

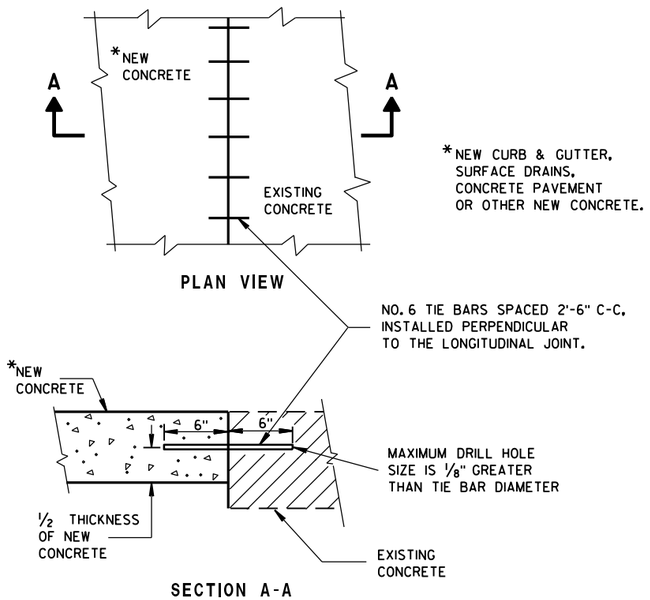


TYPES G(1) & J

CONCRETE CURB



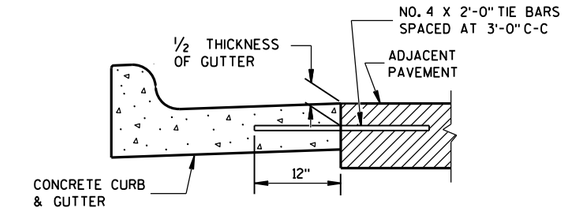
END SECTION CURB & GUTTER



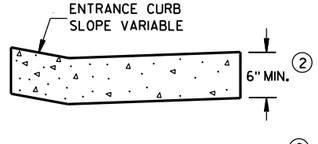
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

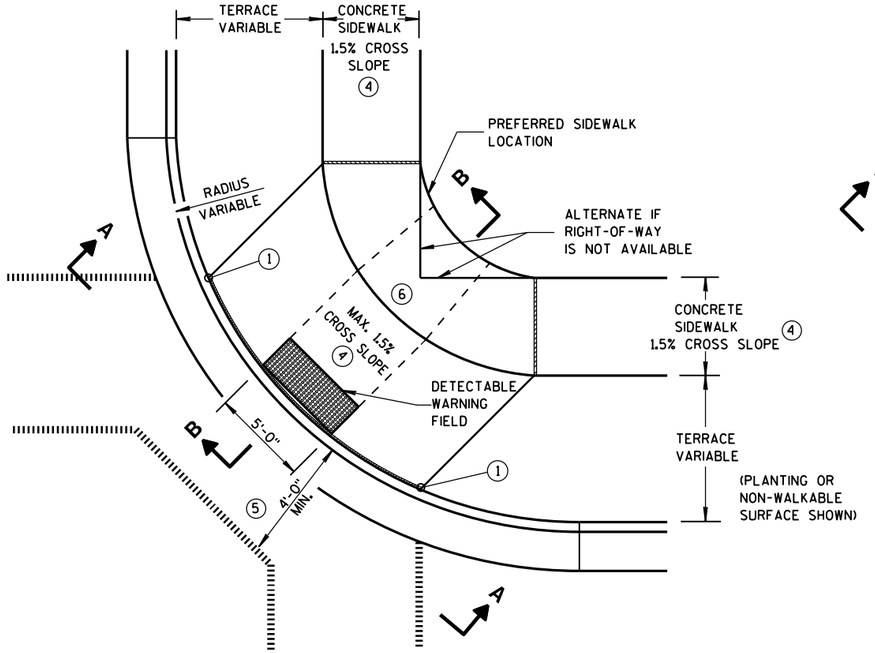
APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 361 ENT
UNIT SUPERVISOR
FHWA

6

S.D.D. 8 D 1-20b

6

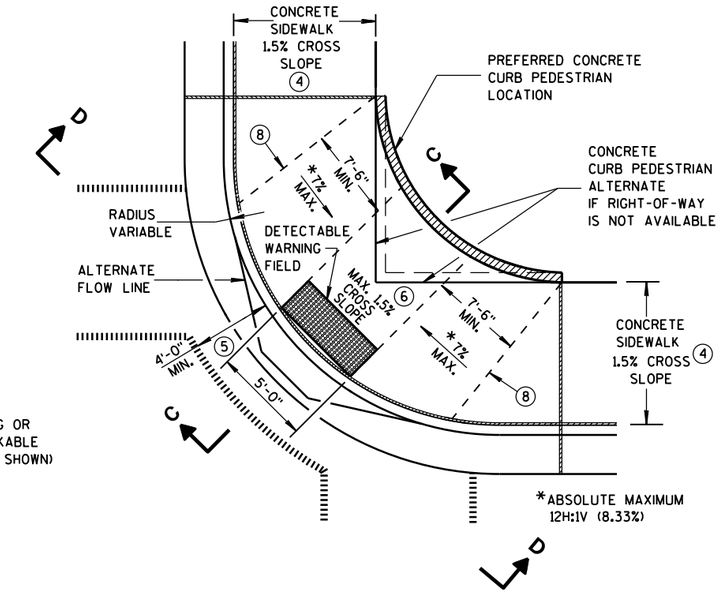
S.D.D. 8 D 1-20b



PLAN VIEW

TYPE 1 RAMP

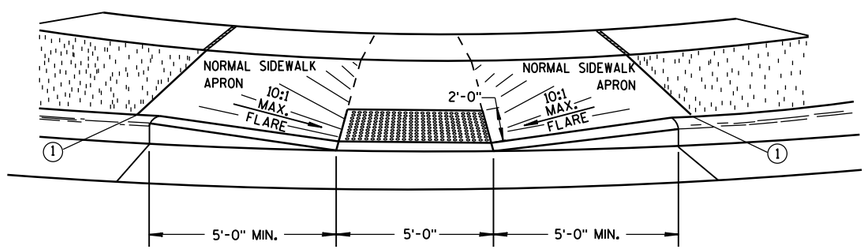
(CENTER OF CORNER RADIUS)



PLAN VIEW

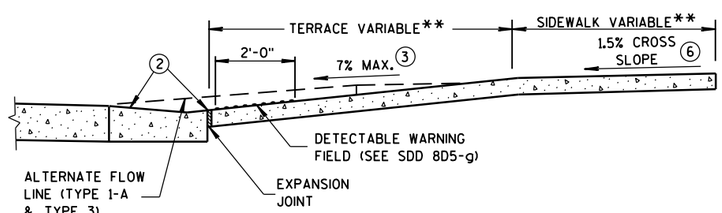
TYPE 1-A RAMP

(NO TERRACE)

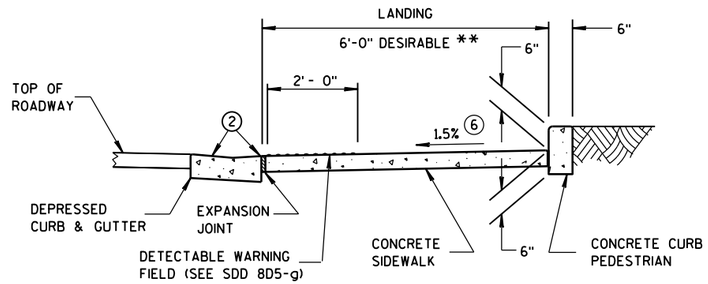


VIEW A-A

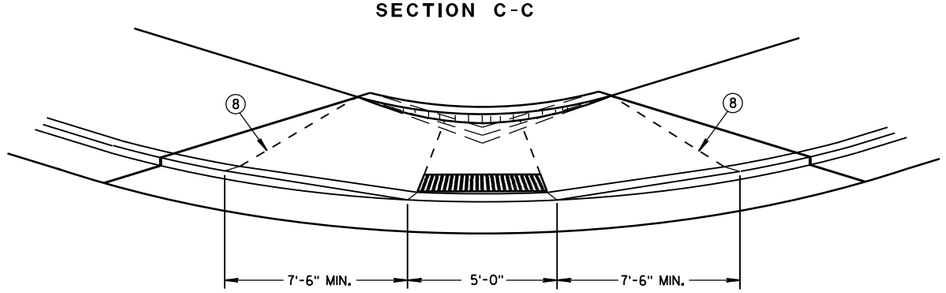
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

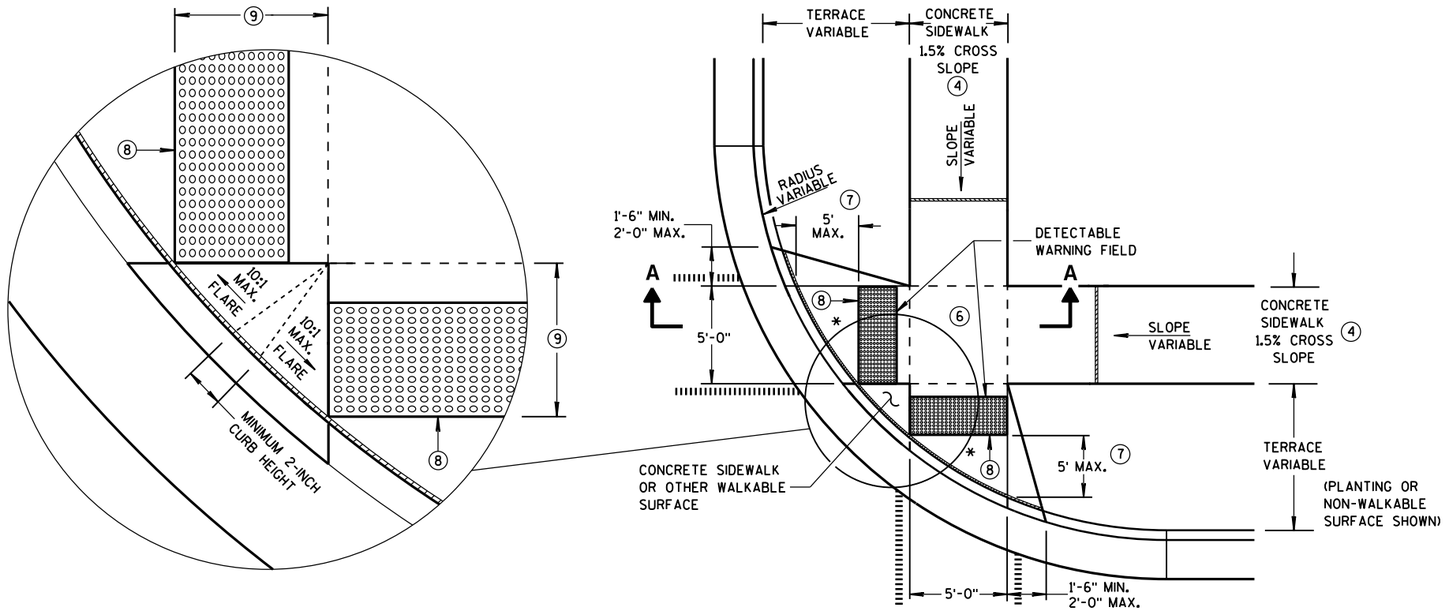
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

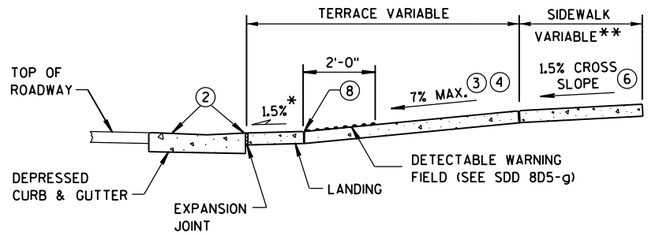
6

S.D.D. 8 D 5-19a



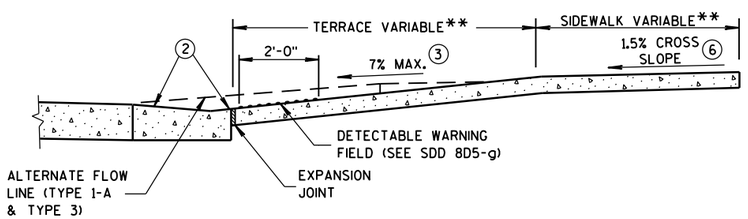
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

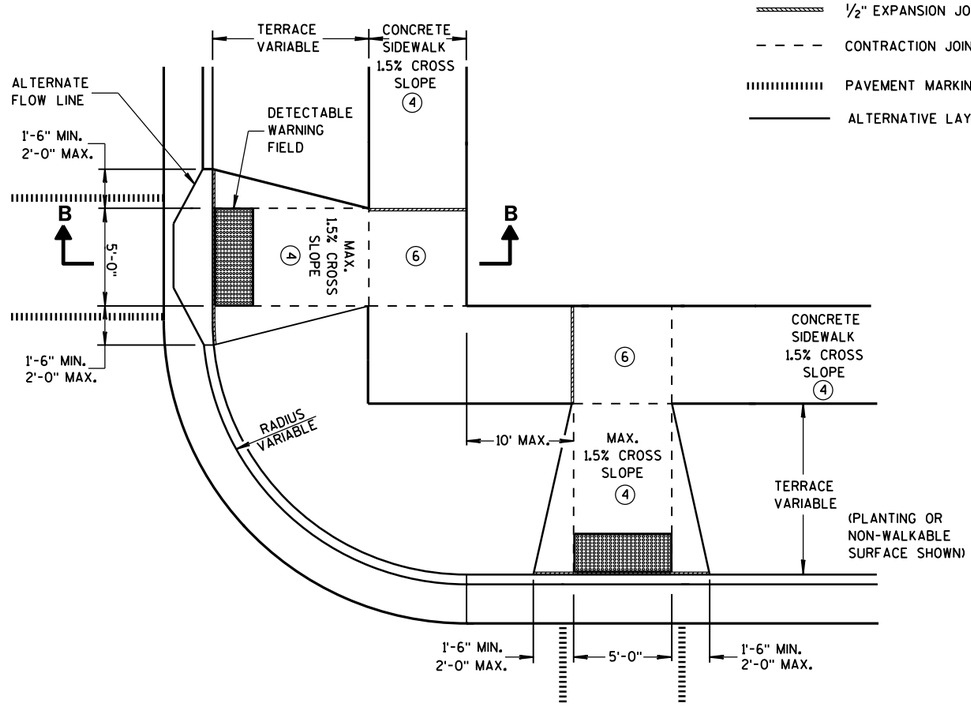


SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

6

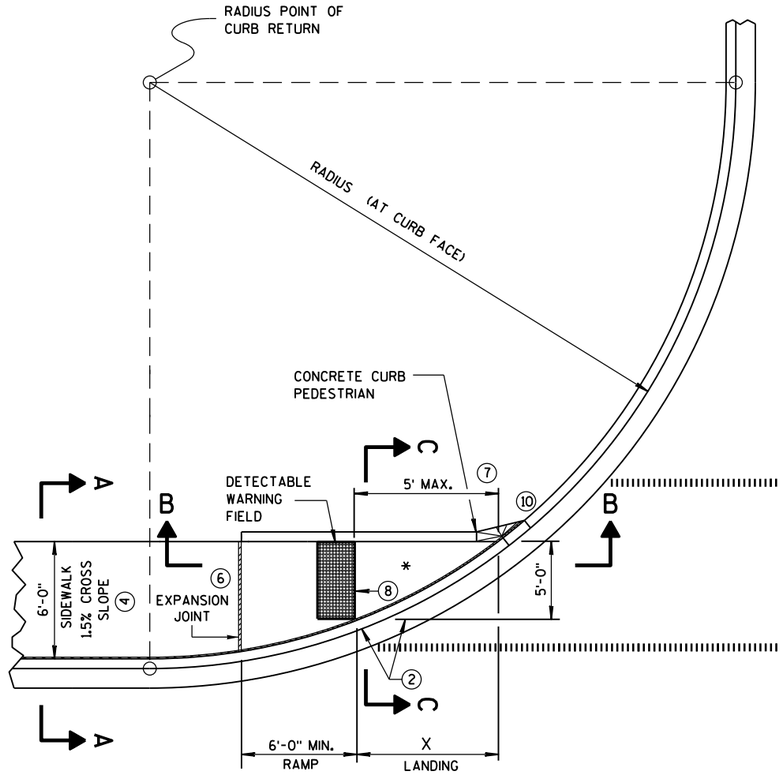
S.D.D. 8 D 5-19b

6

S.D.D. 8 D 5-19b

CURB RAMPS TYPES 2 AND 3

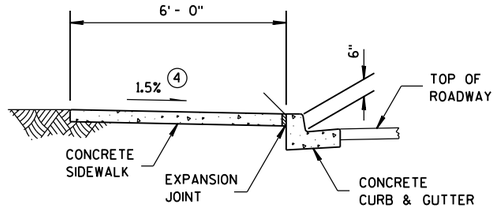
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

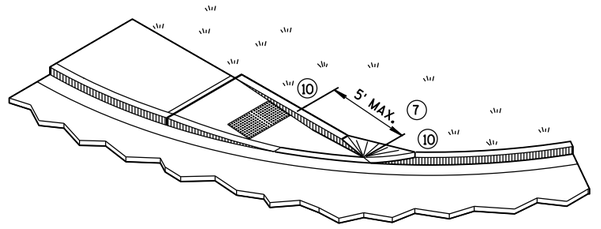
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

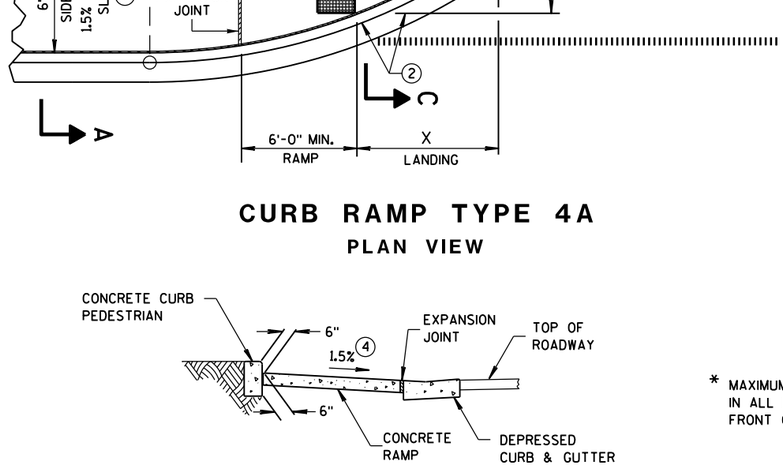
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

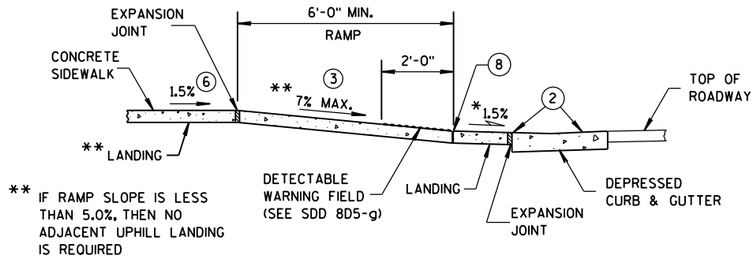
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



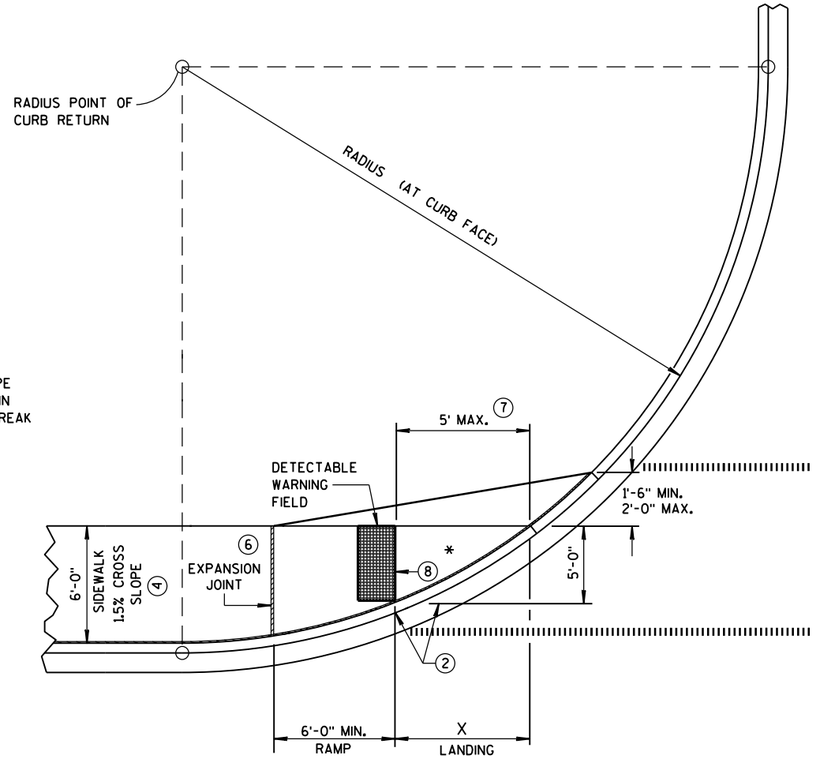
SECTION C-C FOR TYPE 4A



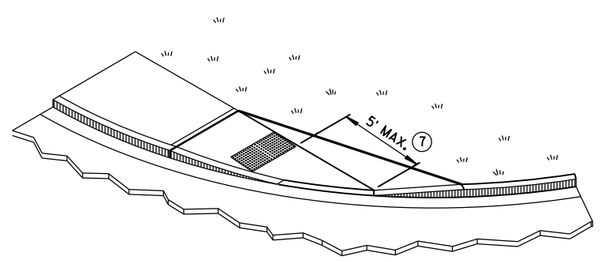
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

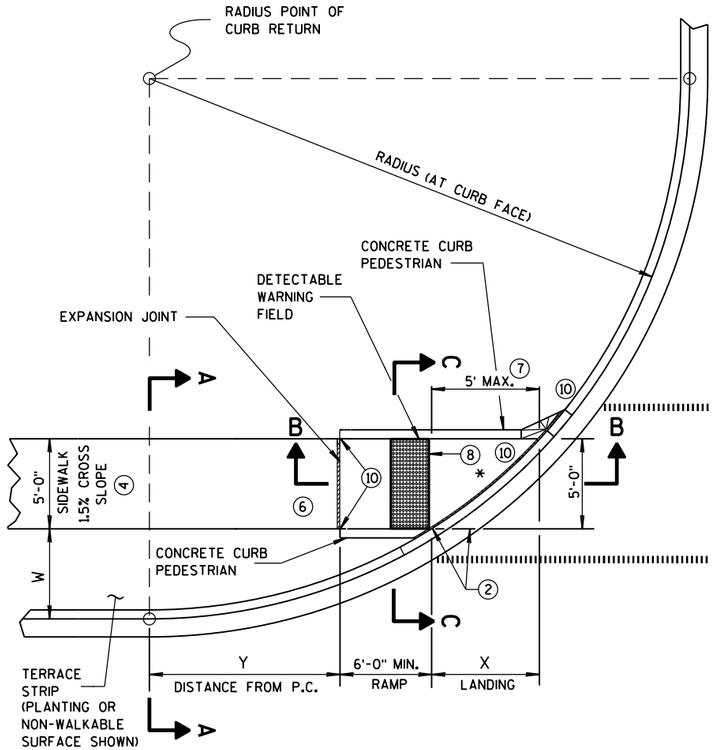
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

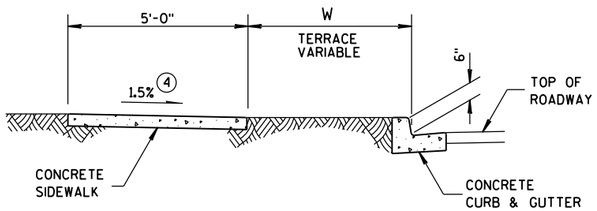
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

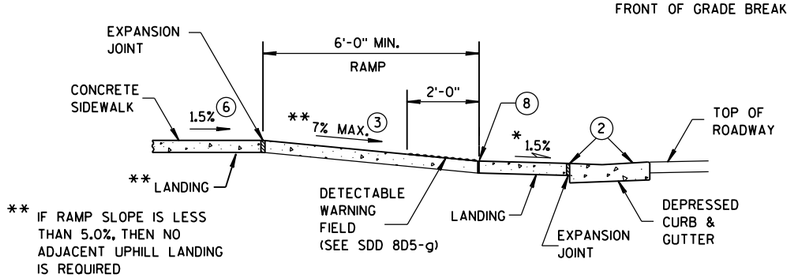
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



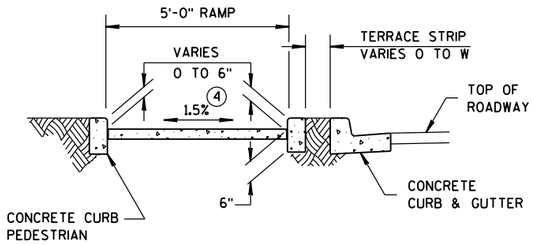
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C-C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

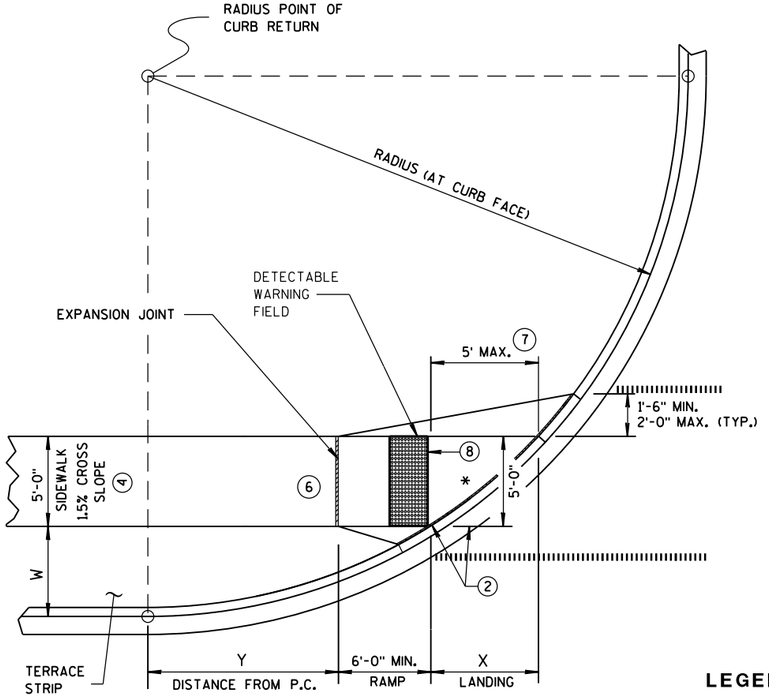
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

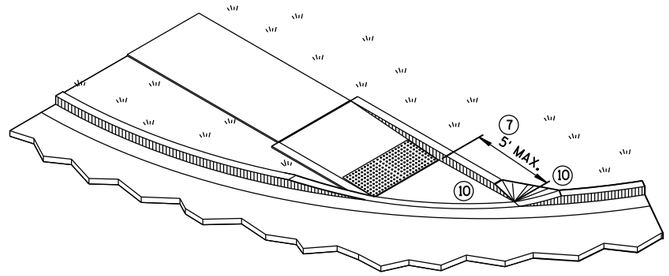
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

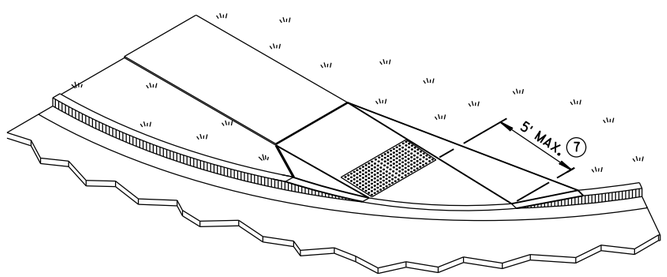
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

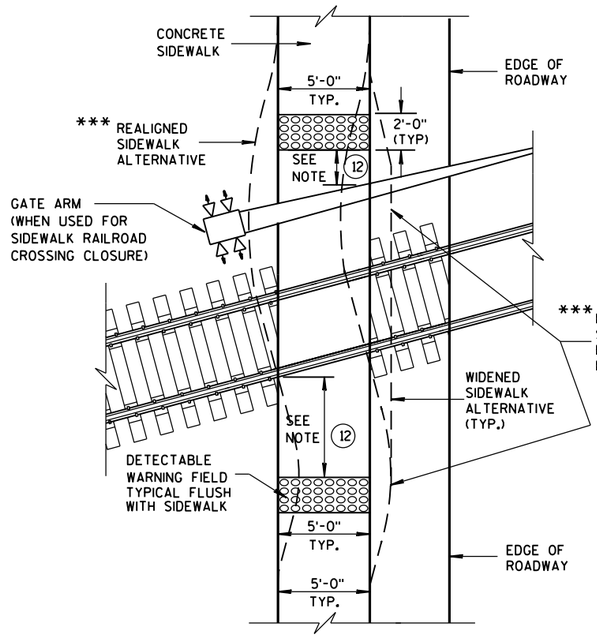
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

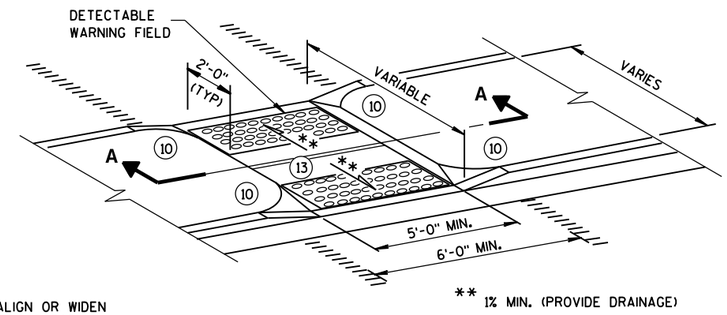
6

S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

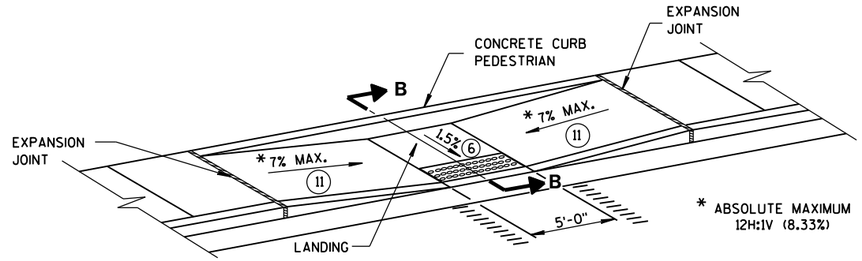
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

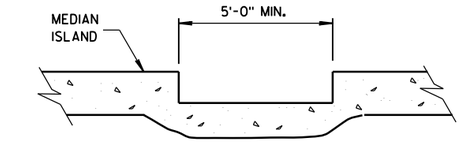
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

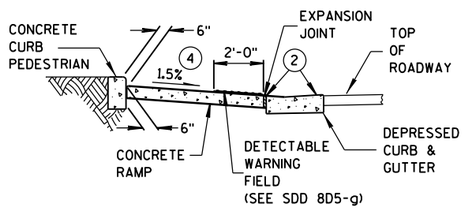
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

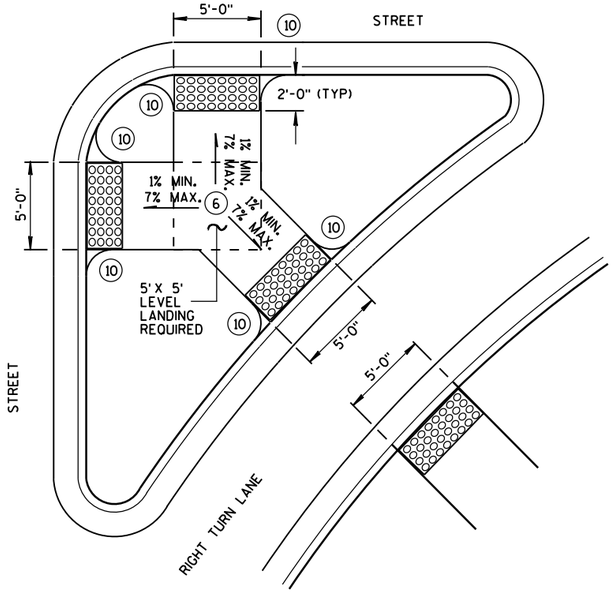


SECTION A-A

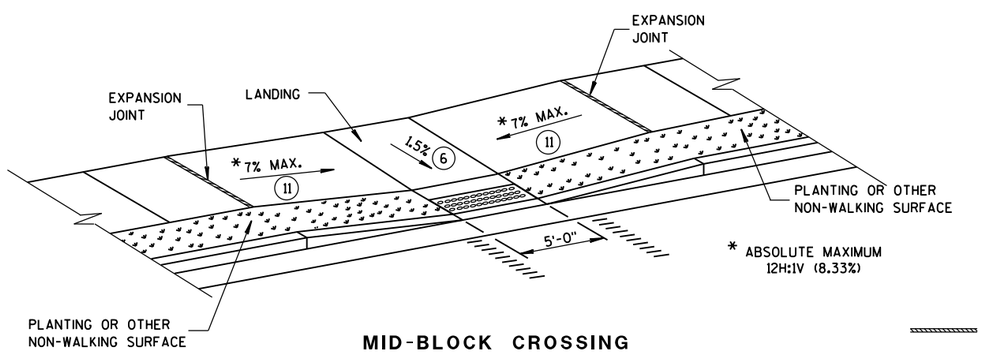


SECTION B-B

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

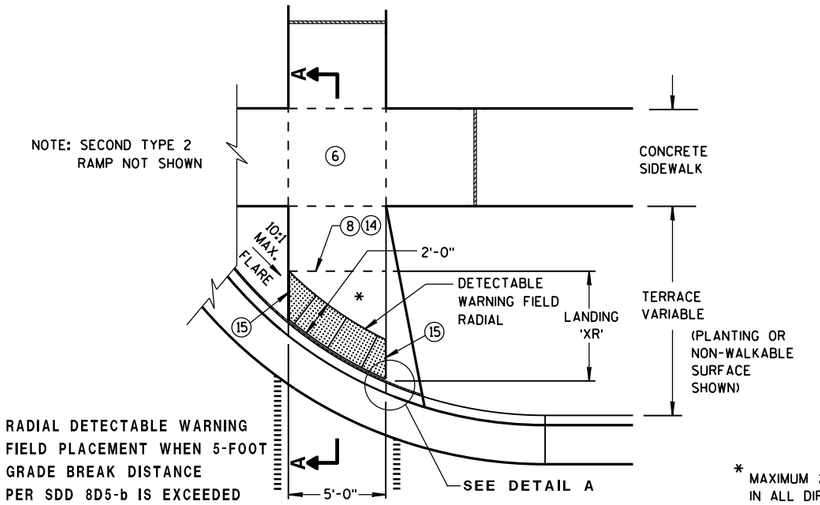
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

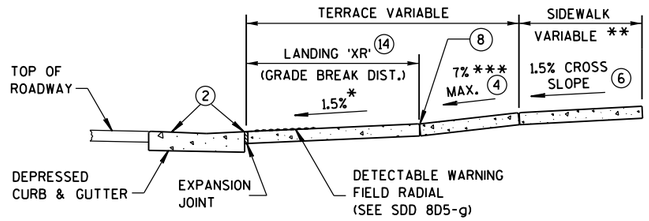
S.D.D. 8 D 5-19e
S.D.D. 8 D 5-19e



TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS (DWFs) THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

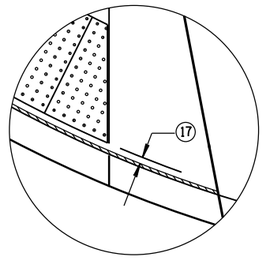
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION 'XR') REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

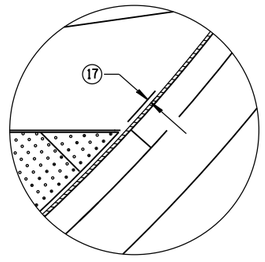
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1'X 2' RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2'-0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

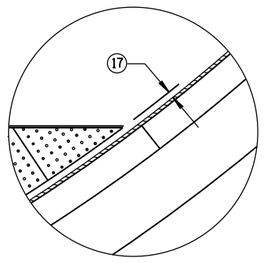
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



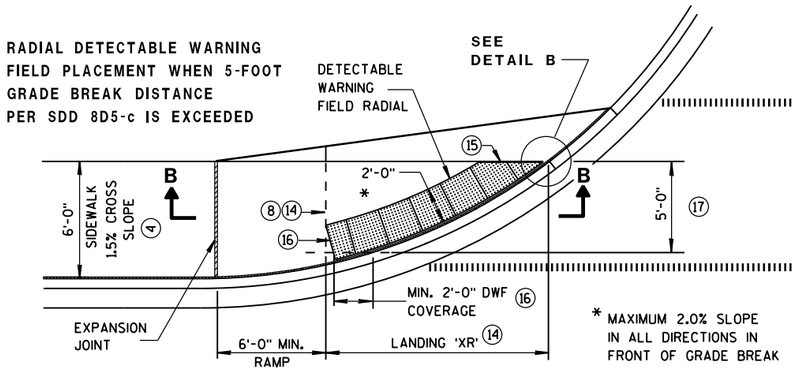
DETAIL A



DETAIL C

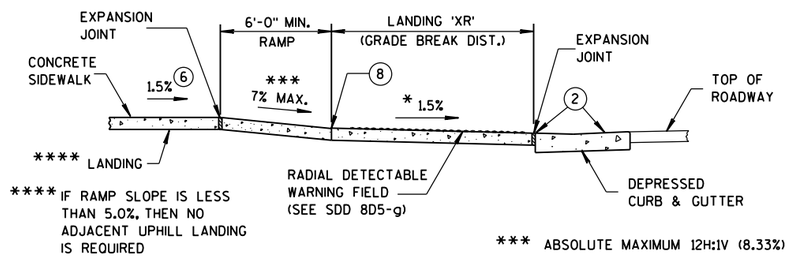


DETAIL B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

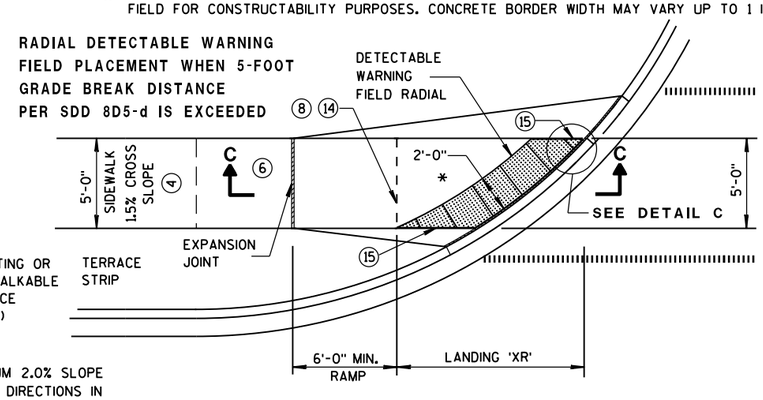
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

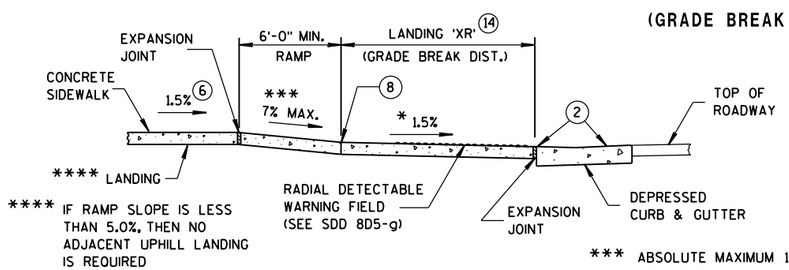
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

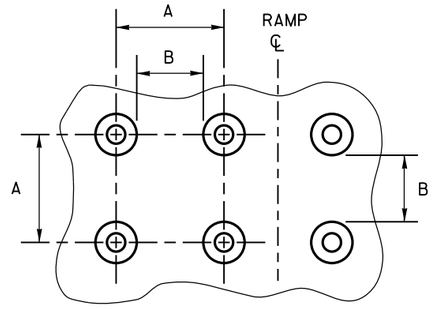
S.D.D. 8 D 5-19f

6

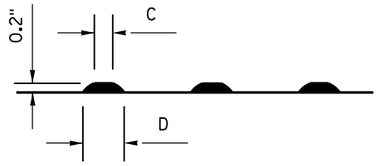
S.D.D. 8 D 5-19f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

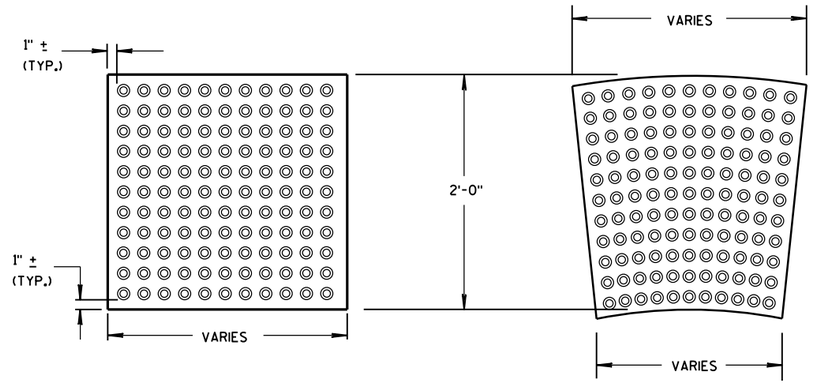
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

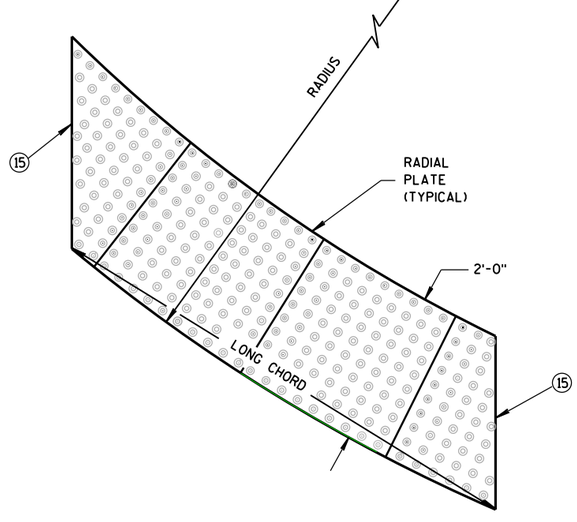


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

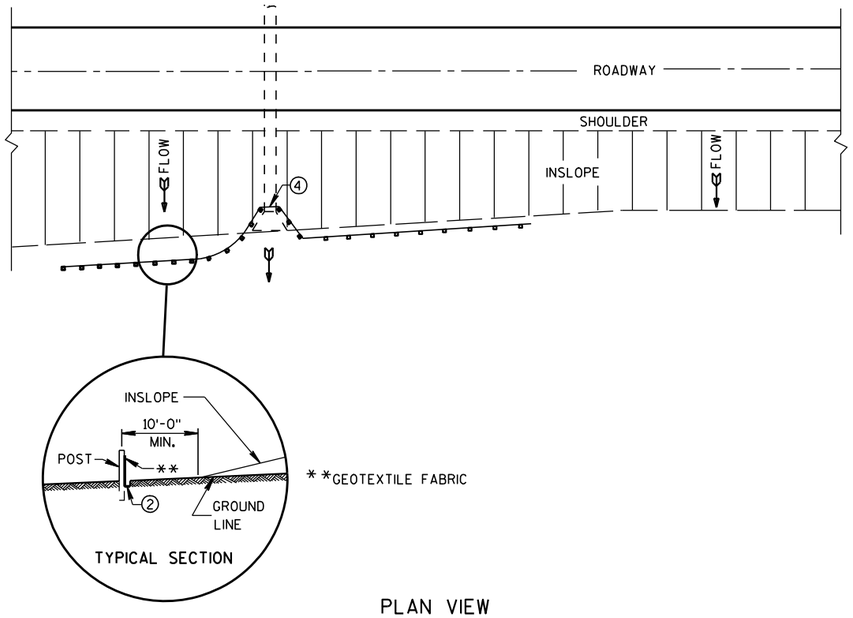
APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
ENT
FHWA

6

S.D.D. 8 D 5-19g

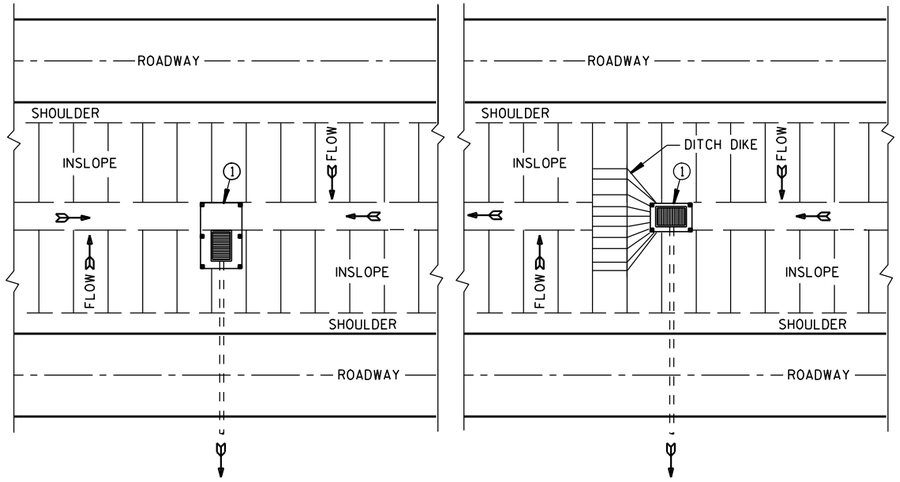
6

S.D.D. 8 D 5-19g



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



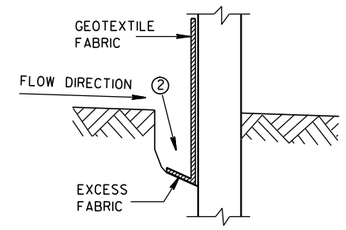
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

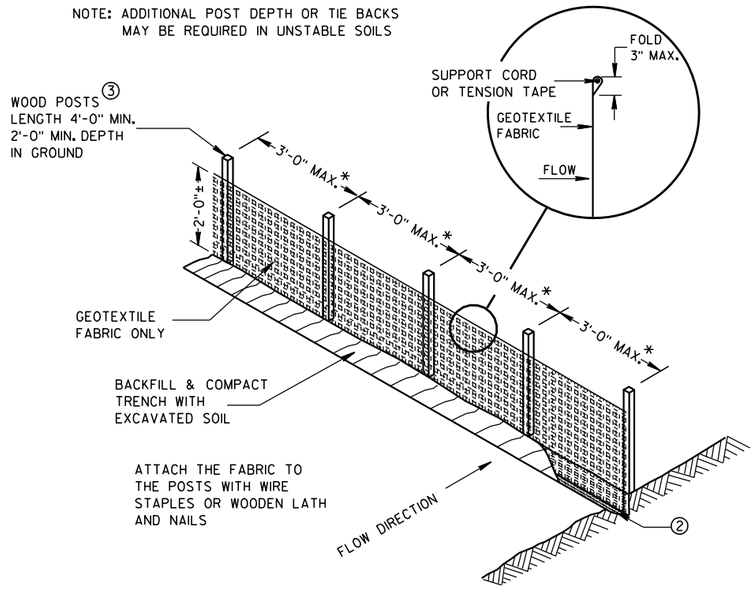
GENERAL NOTES

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

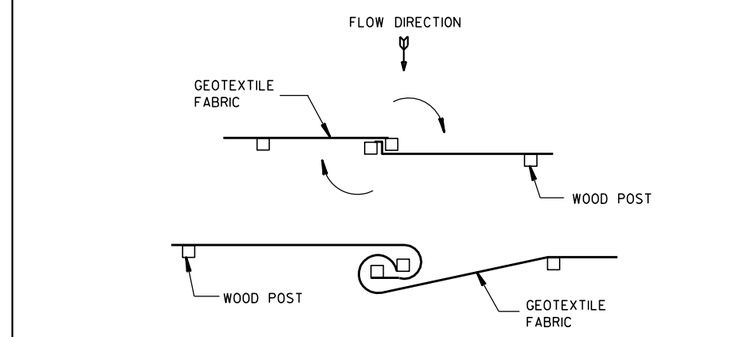
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" 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.



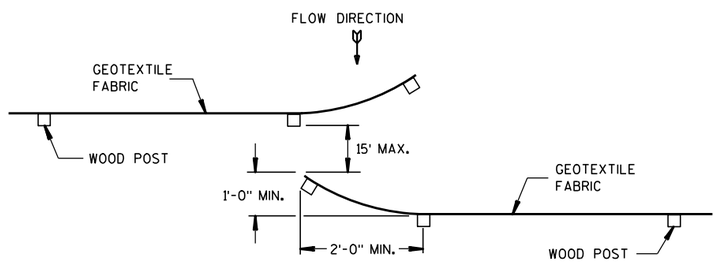
TRENCH DETAIL



SILT FENCE

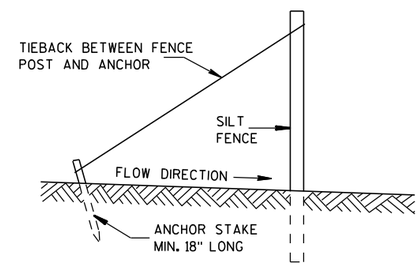


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

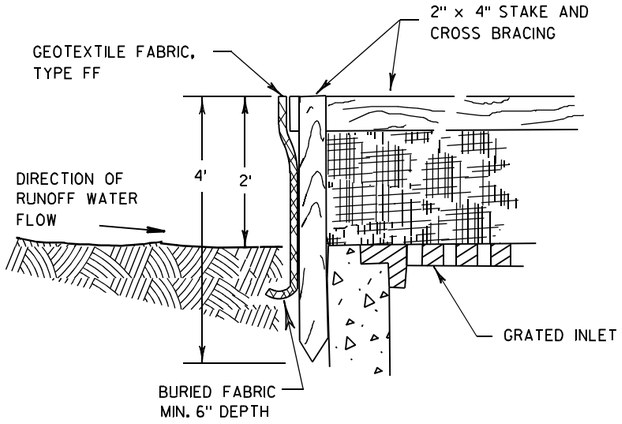
APPROVED
4-29-05
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

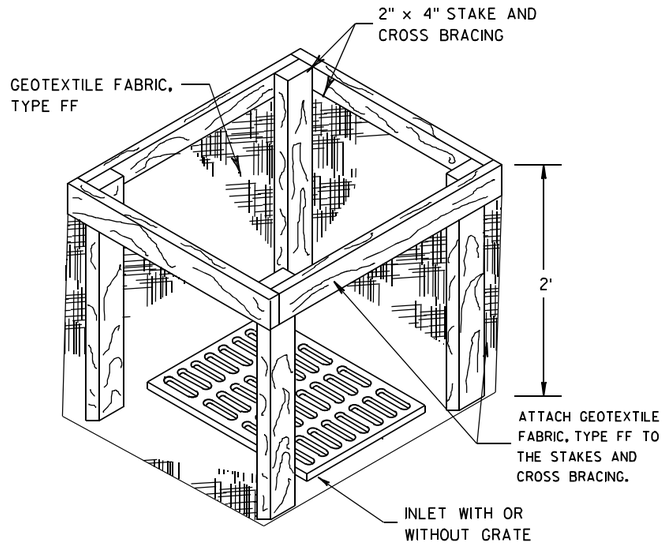
6

S.D.D. 8 E 9-6

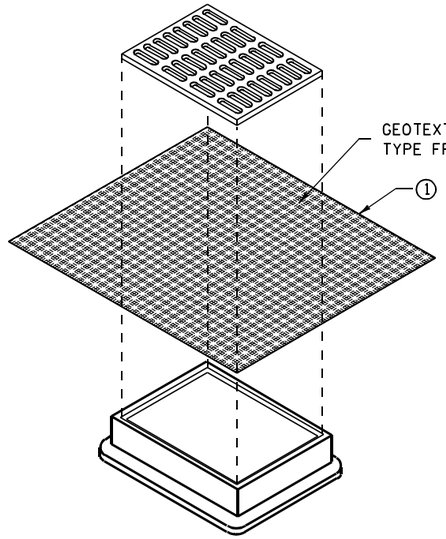
6

S.D.D. 8 E 9-6



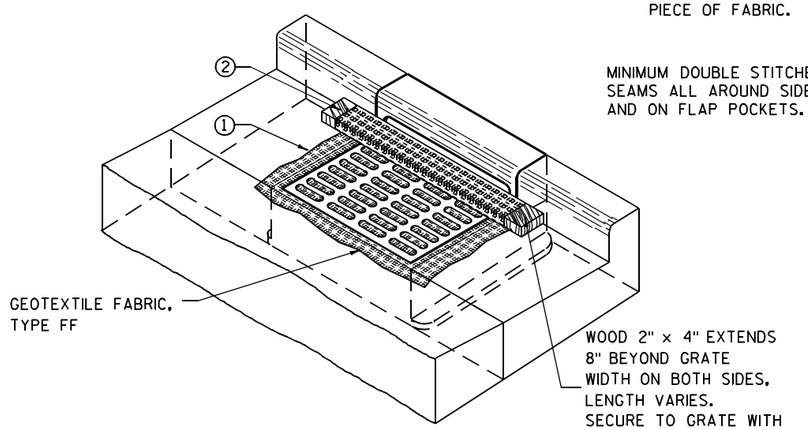


INLET PROTECTION, TYPE A

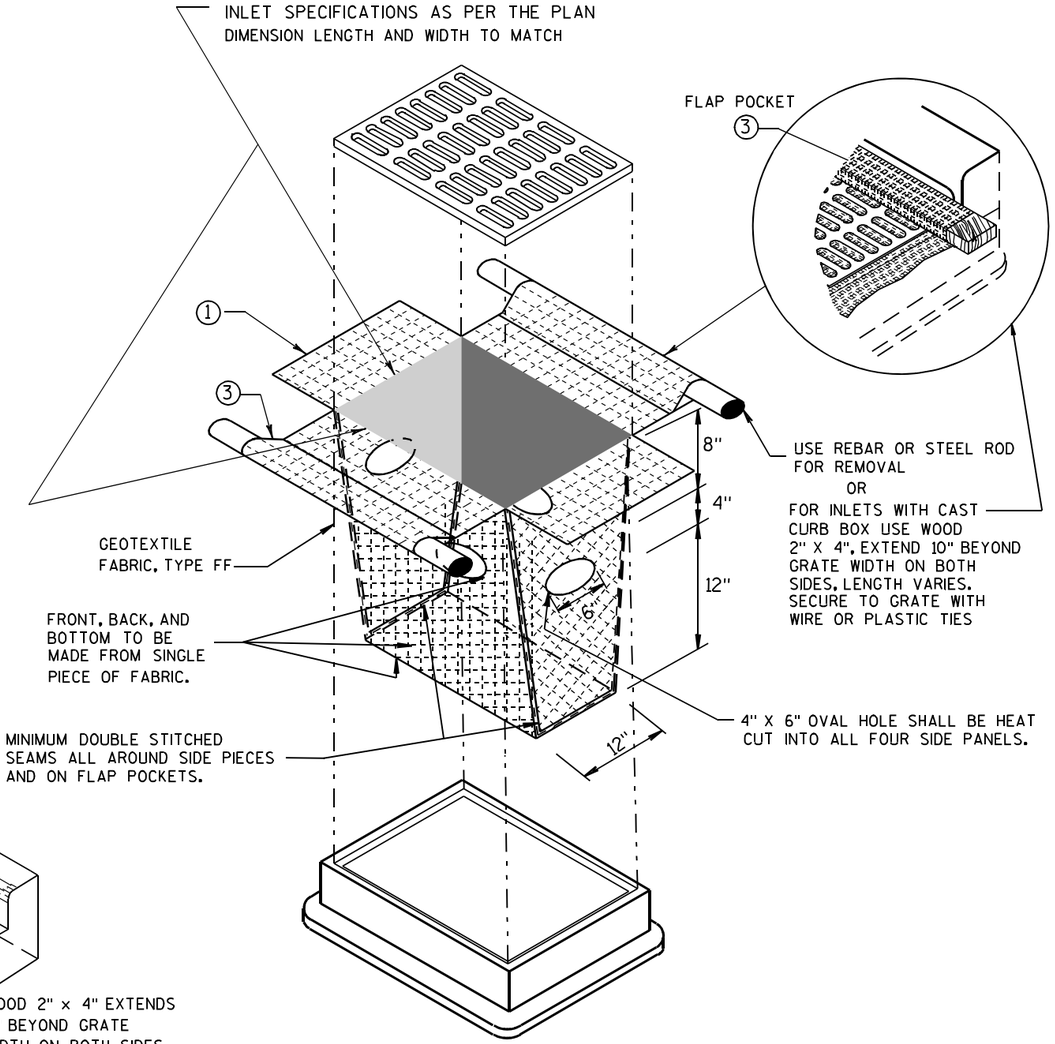


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

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 SUBSTITUTED.

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.

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

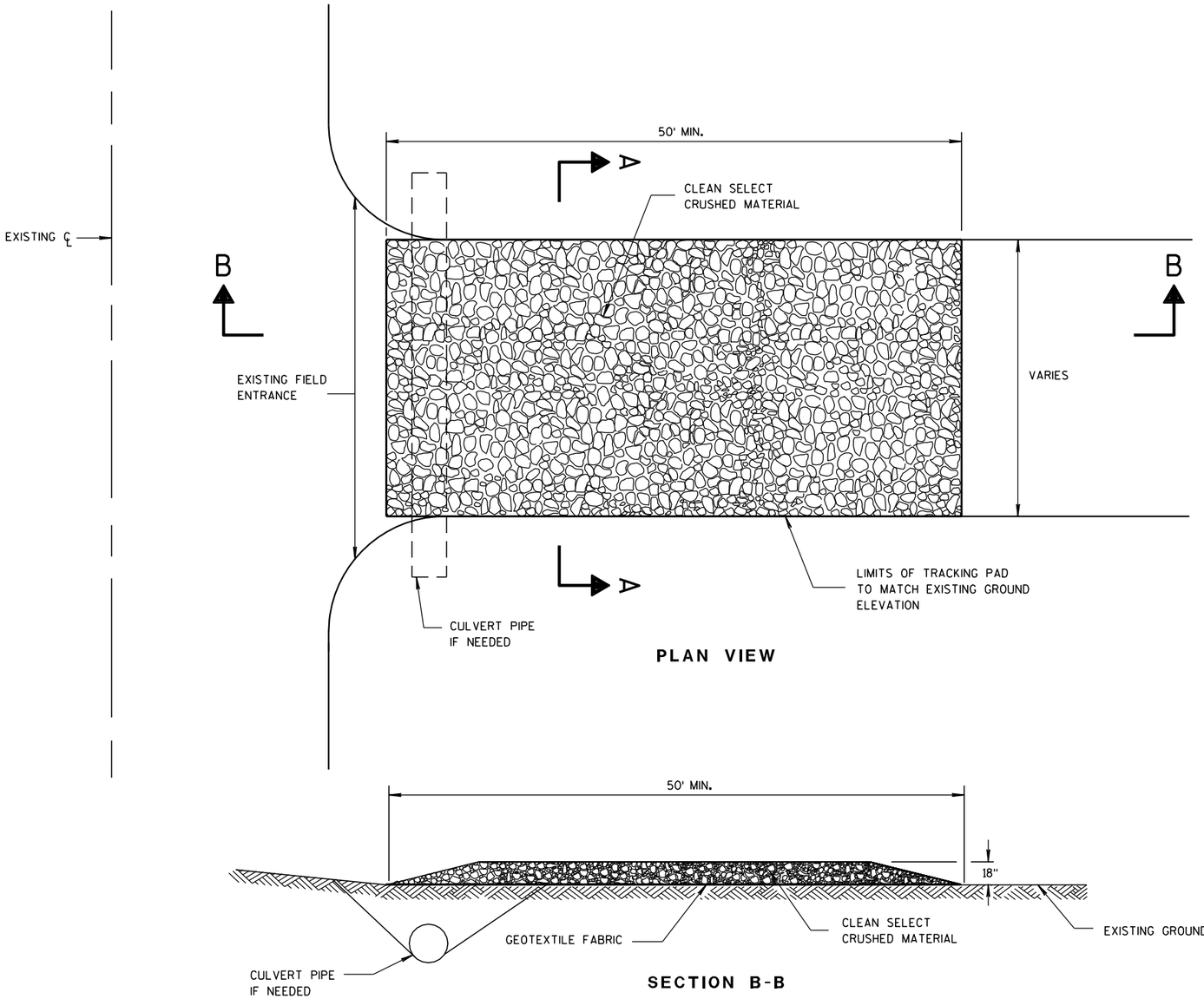
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

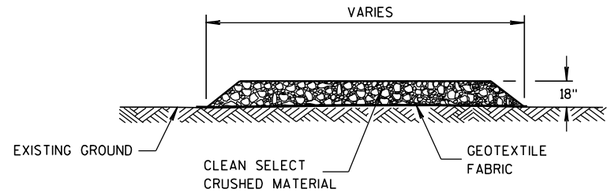
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

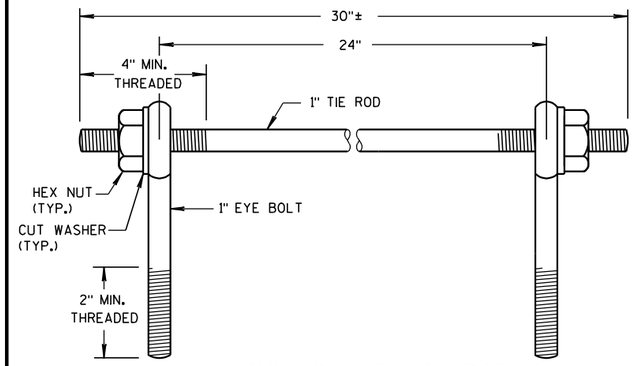
APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
371
ENT
FHWA

6

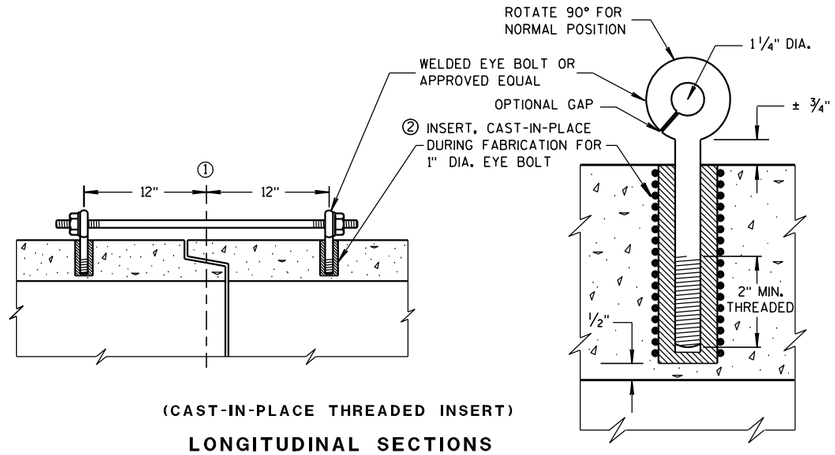
S.D.D. 8 E 14-1

6

S.D.D. 8 E 14-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

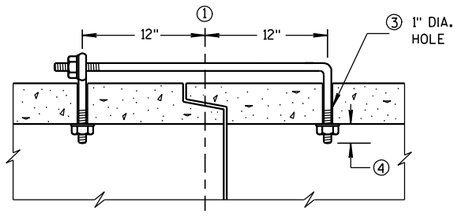
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

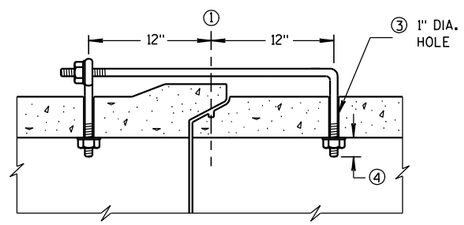
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

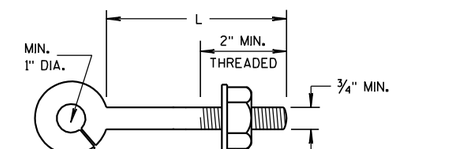


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

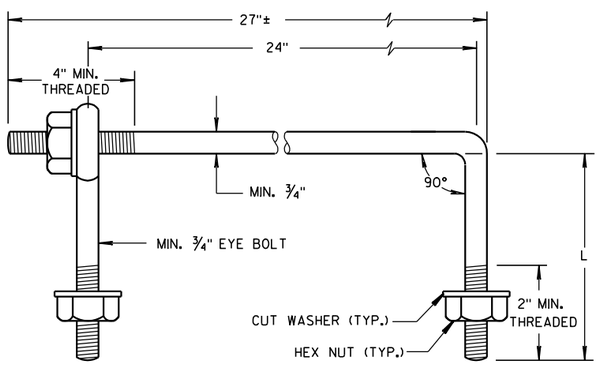
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

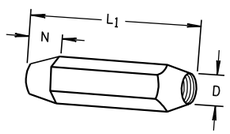
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

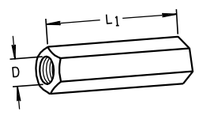
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



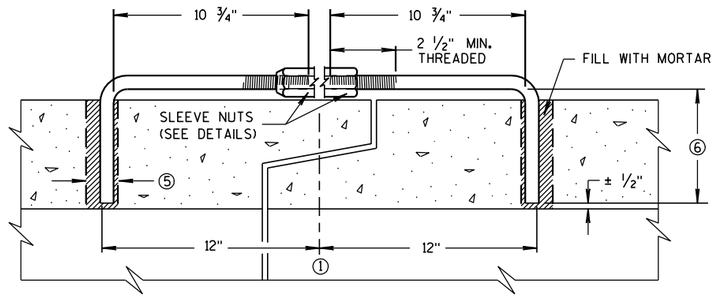
TAPERED



PLAIN

RIGHT AND LEFT THREADS

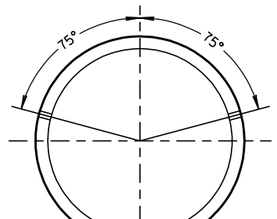
SLEEVE NUTS



LONGITUDINAL SECTION

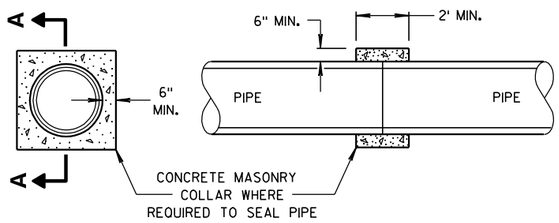
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

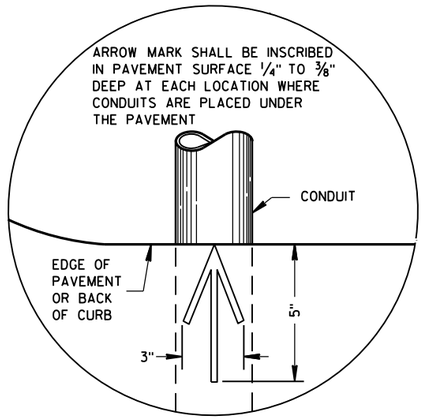
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
372
FHWA

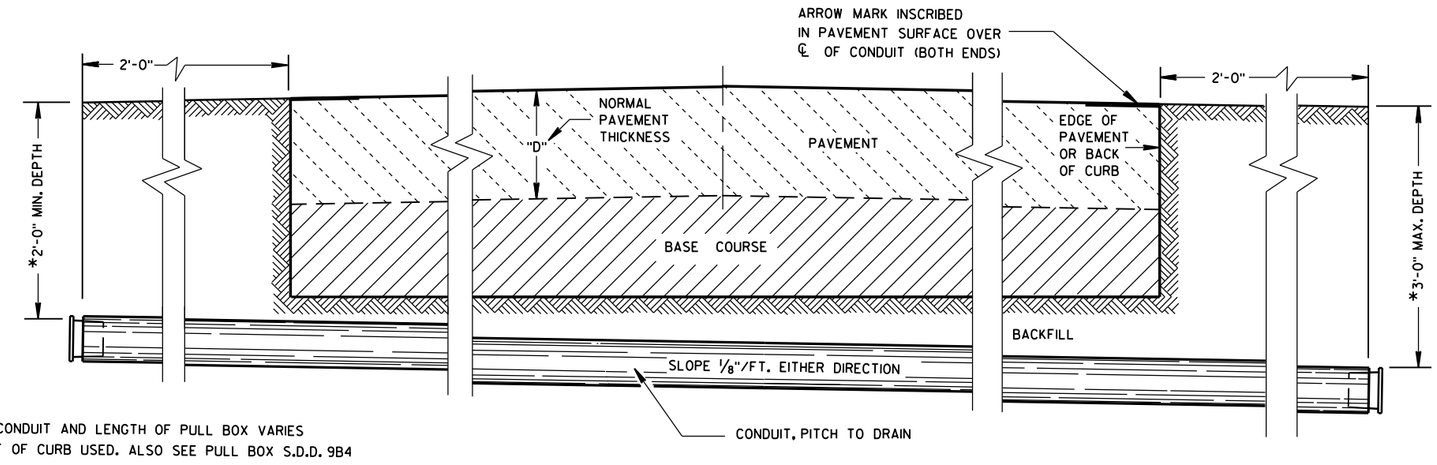
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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 WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION 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.

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 REINSTALLED 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 ATTACHED.

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.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 373
FHWA

6

S.D.D. 9 B 2-10

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

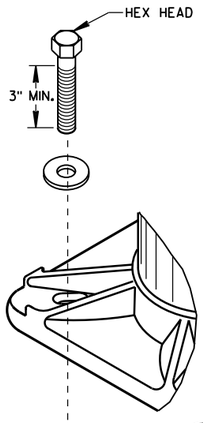
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

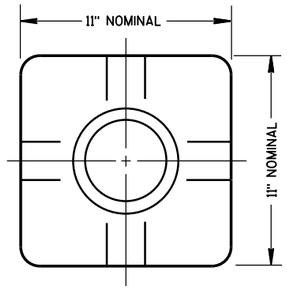
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

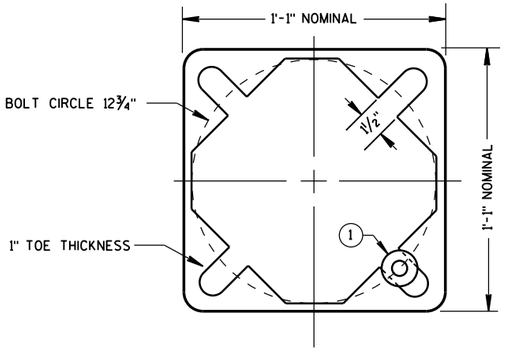
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

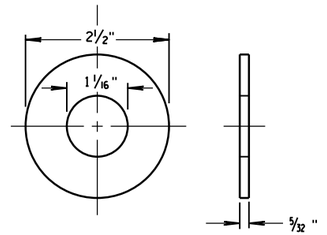




TOP VIEW
(PEDESTAL BASE)

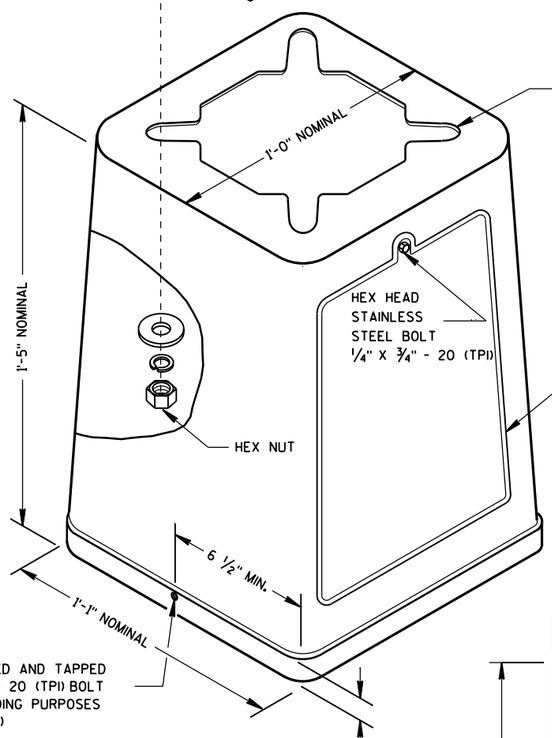


BOTTOM VIEW
(PEDESTAL BASE)

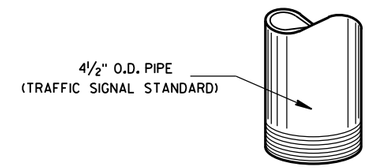


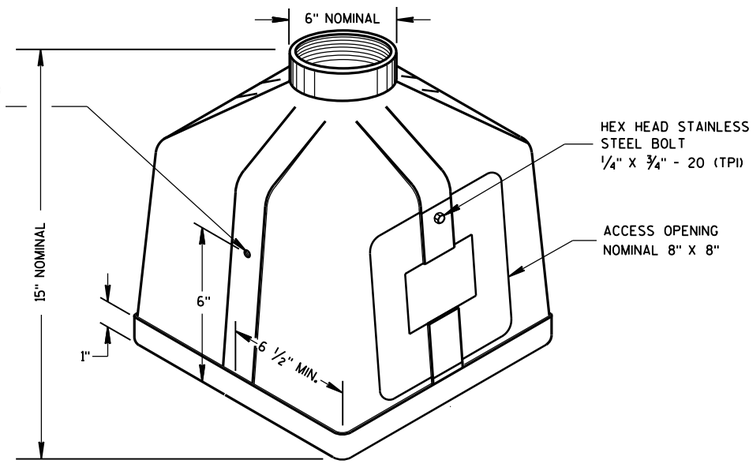
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



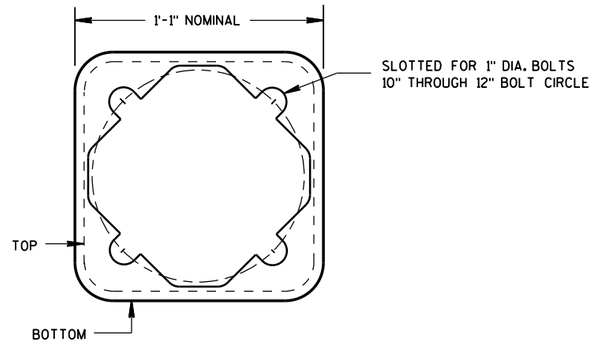
ISOMETRIC VIEW



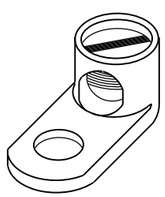


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

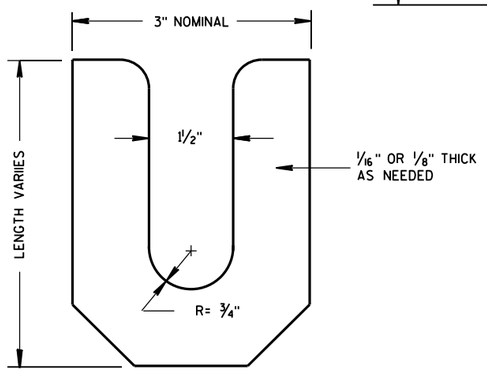


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 3-4

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

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

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

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

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

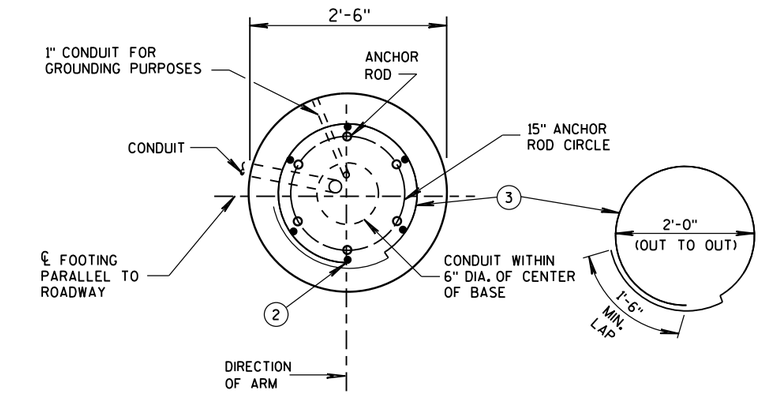
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

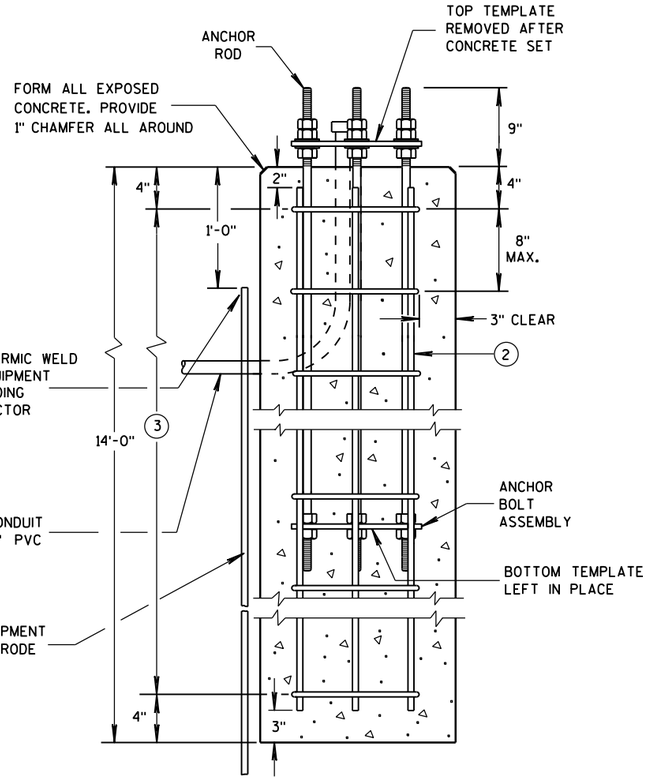
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES, (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.

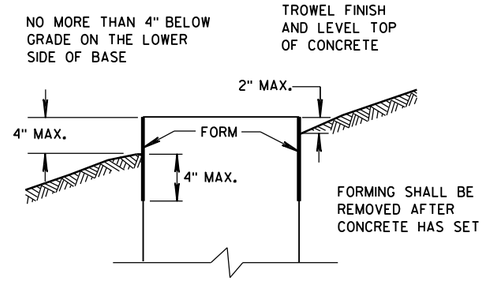




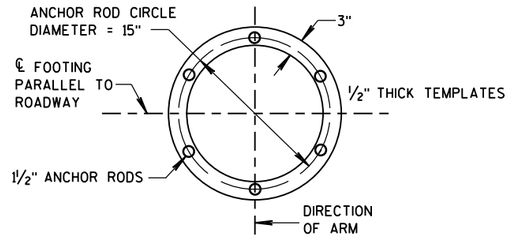
CONCRETE BASE TYPE 10

(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

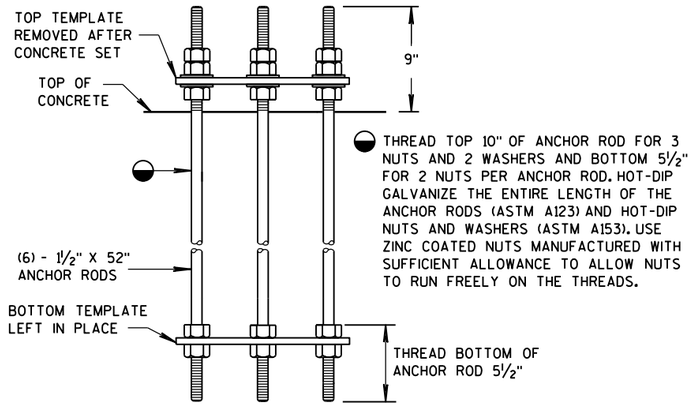
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122

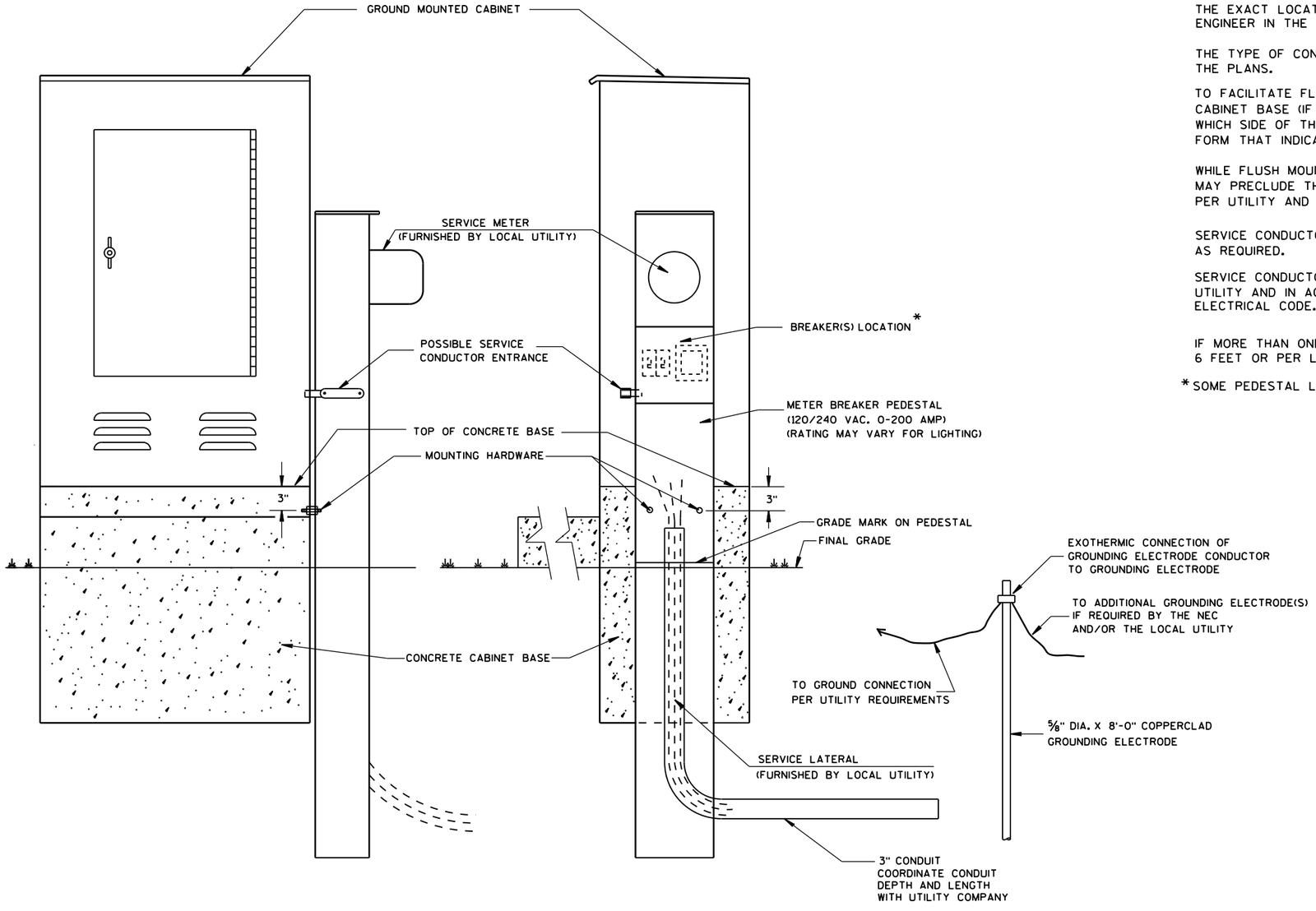
CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 11-10



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

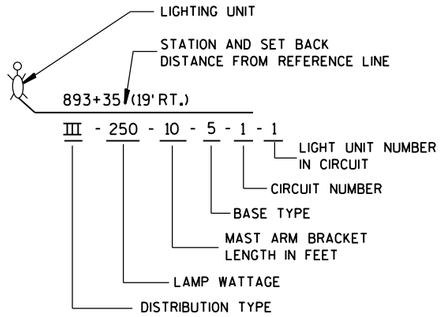
*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

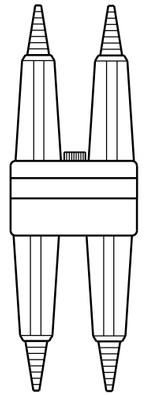
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

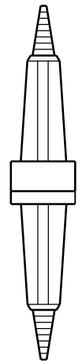
6
S.D.D. 9 D 1-5



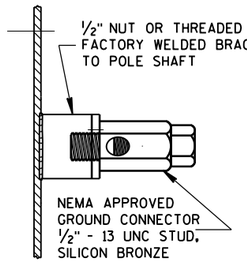
LIGHTING UNIT CODE
(TYPICAL)

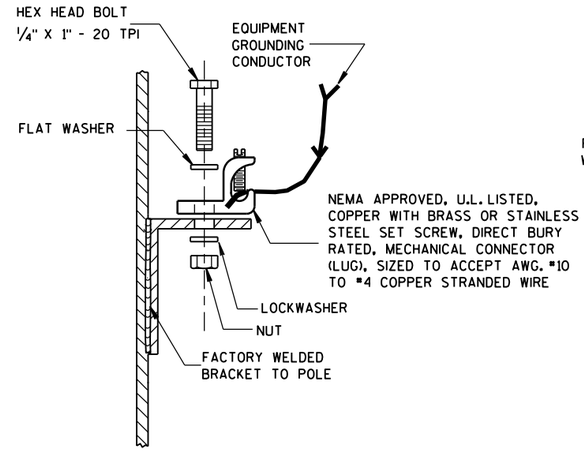


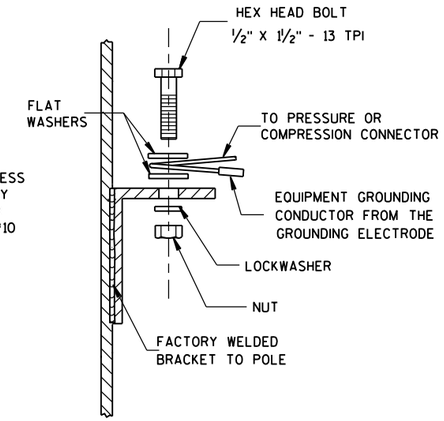
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



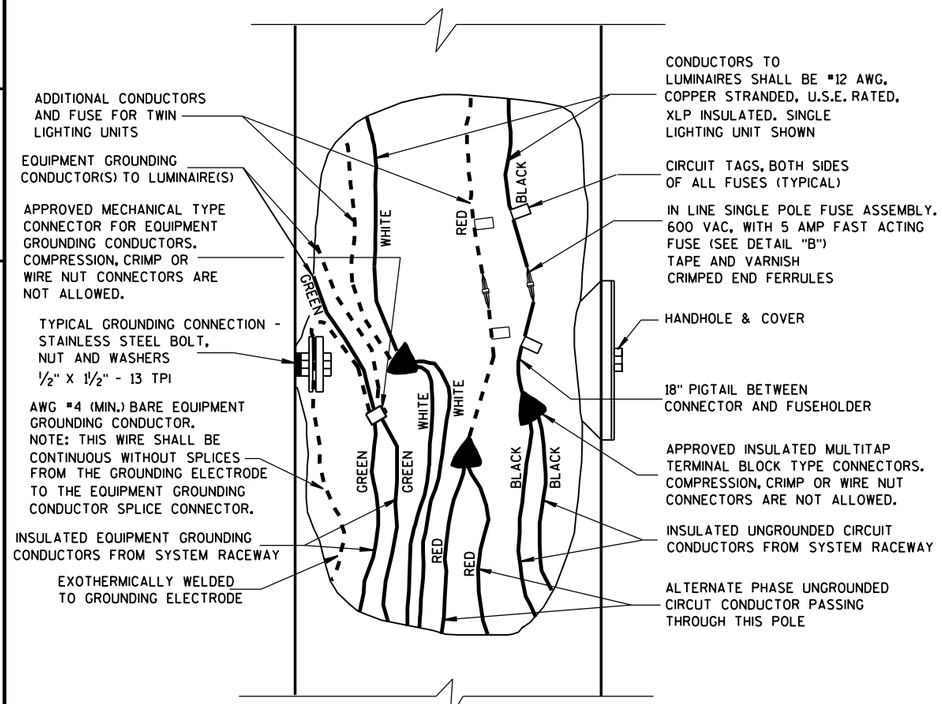
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



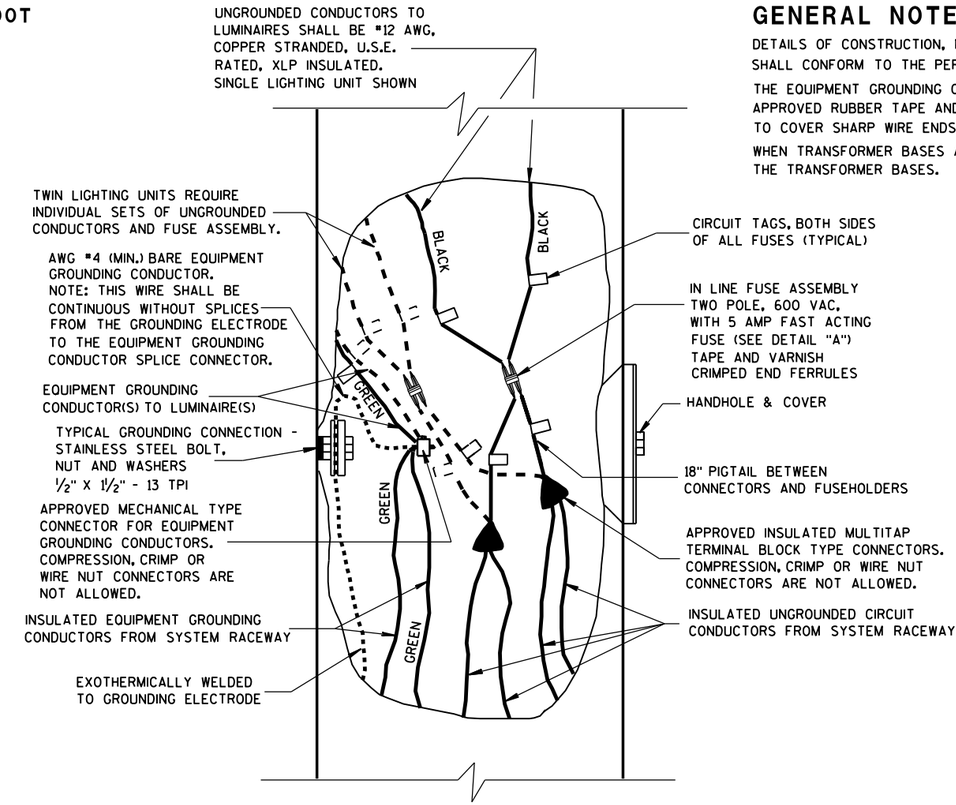




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

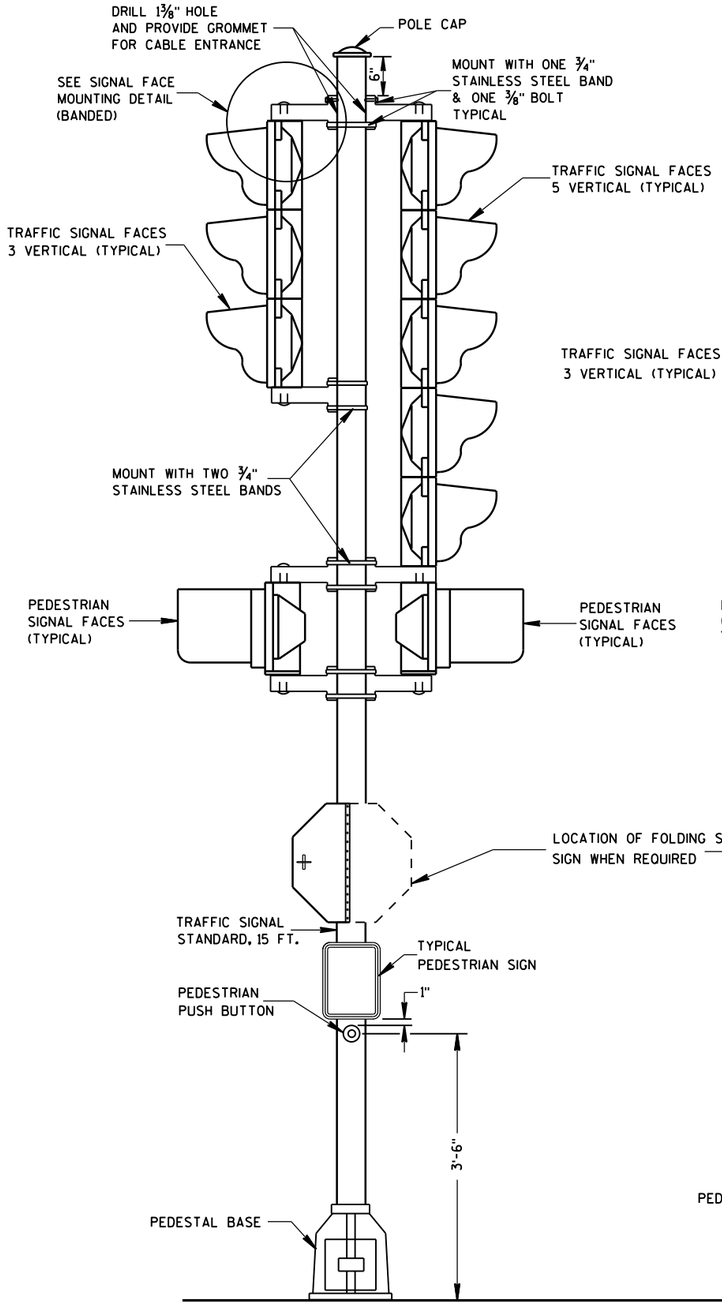
THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

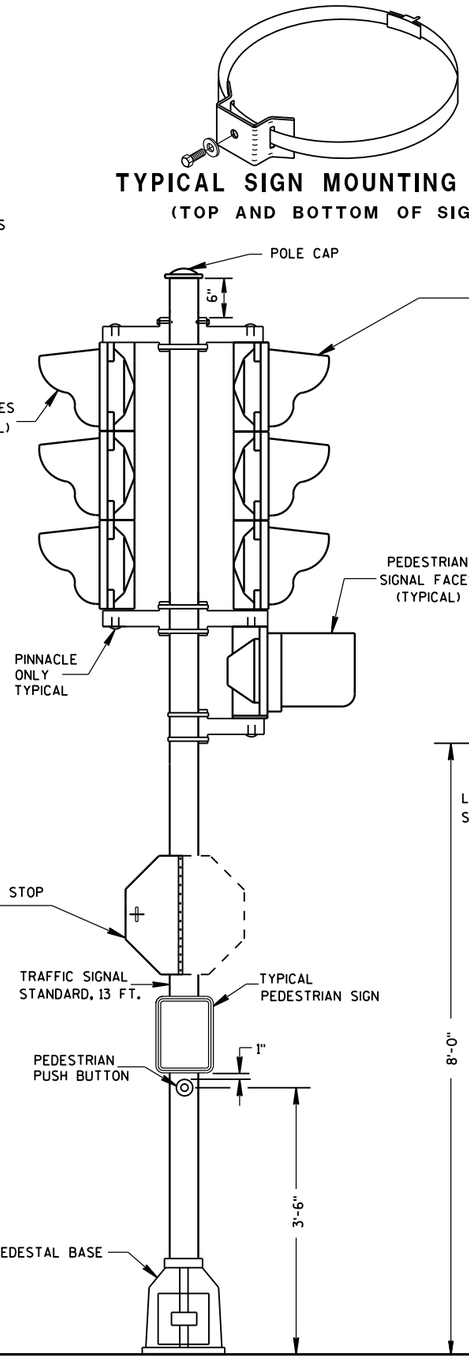
NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 377
FHWA

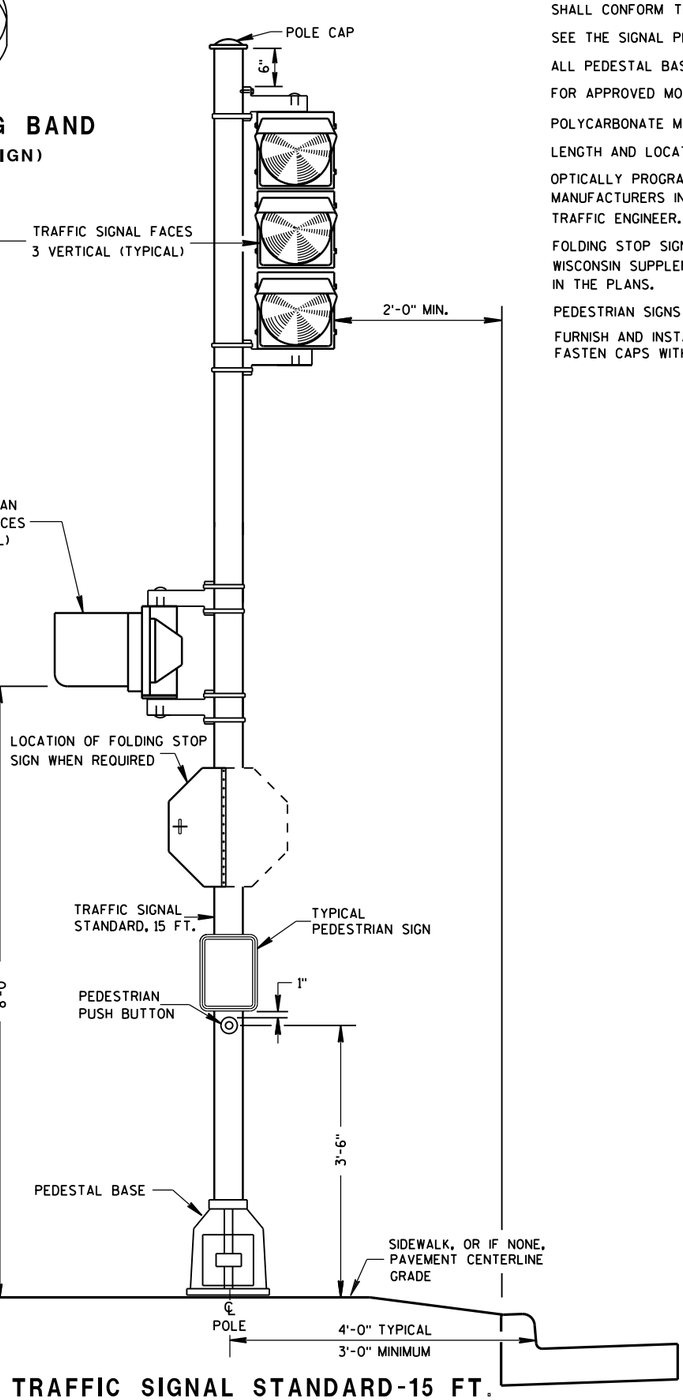


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

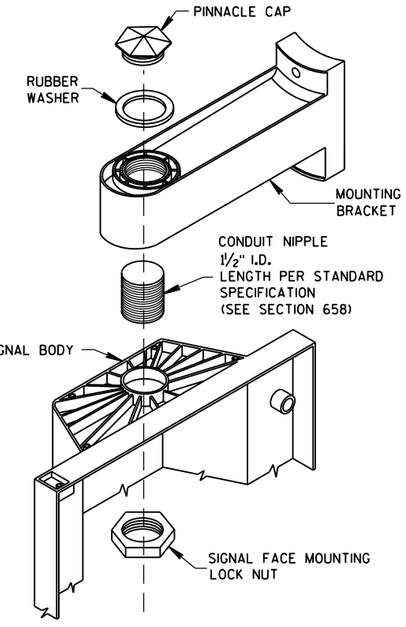
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

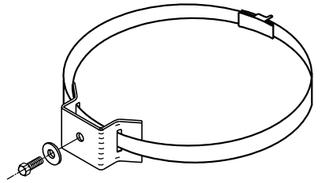
TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

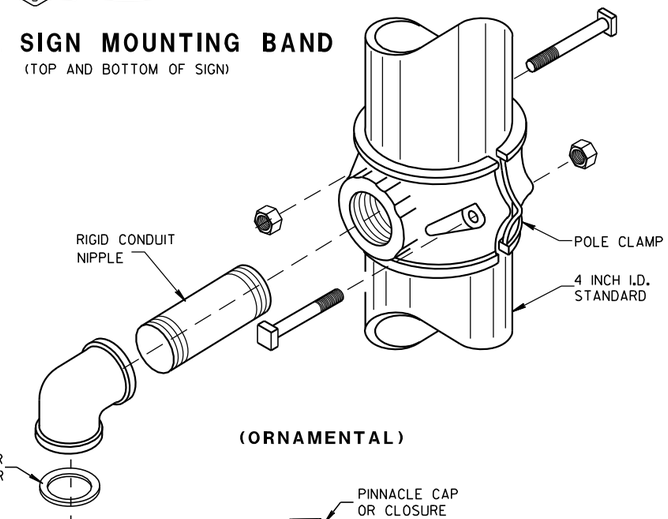
APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

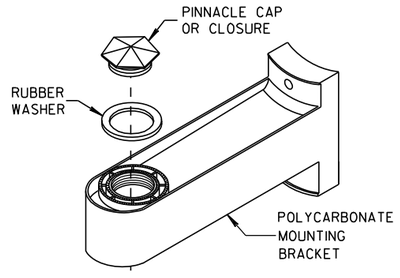
S.D.D. 9 E 6-5



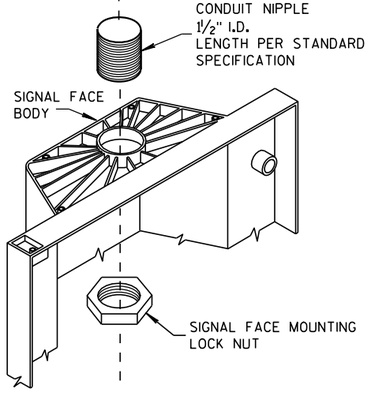
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



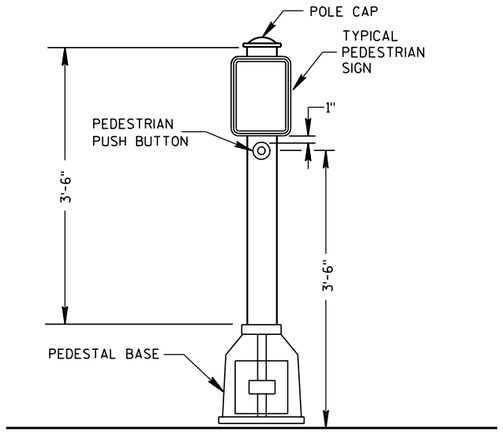
(ORNAMENTAL)



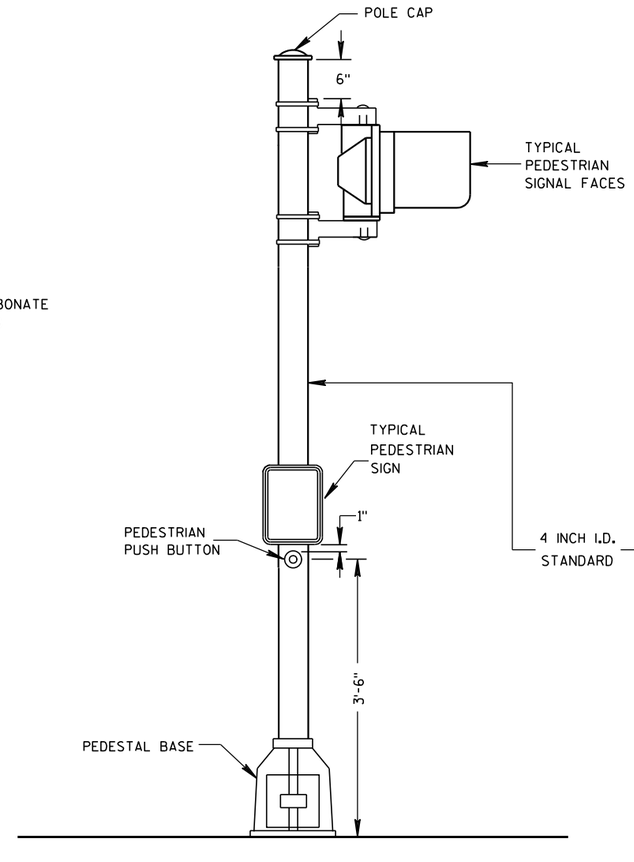
(BANDED)



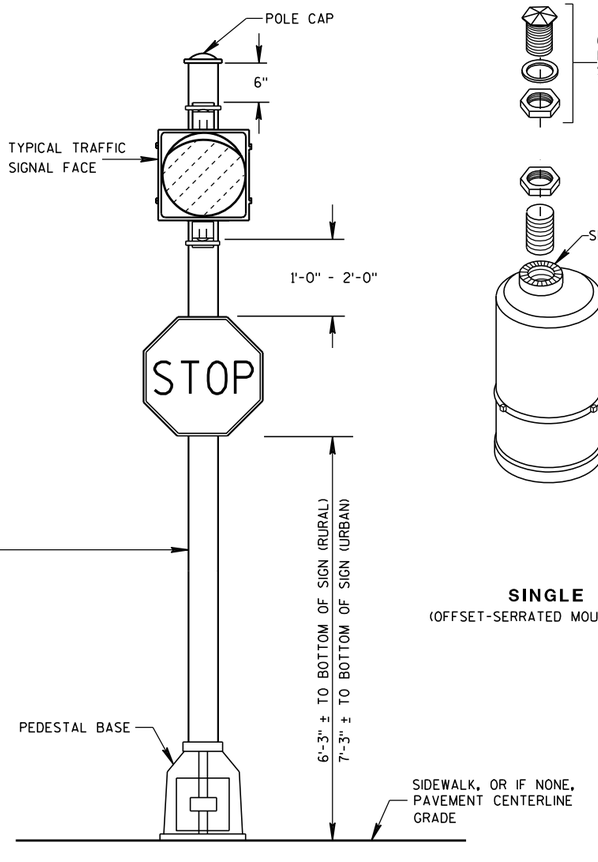
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD-10 FT.
(WALK-DON'T WALK)



STANDARD FLASHER.
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

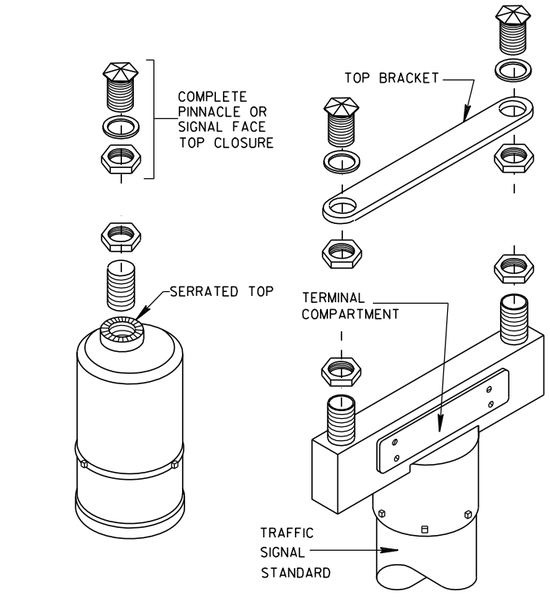
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SINGLE
(OFFSET-SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/11/10
DATE

/S/ John Corbin
STATE ELECTRICAL ENGI

379

HWYS

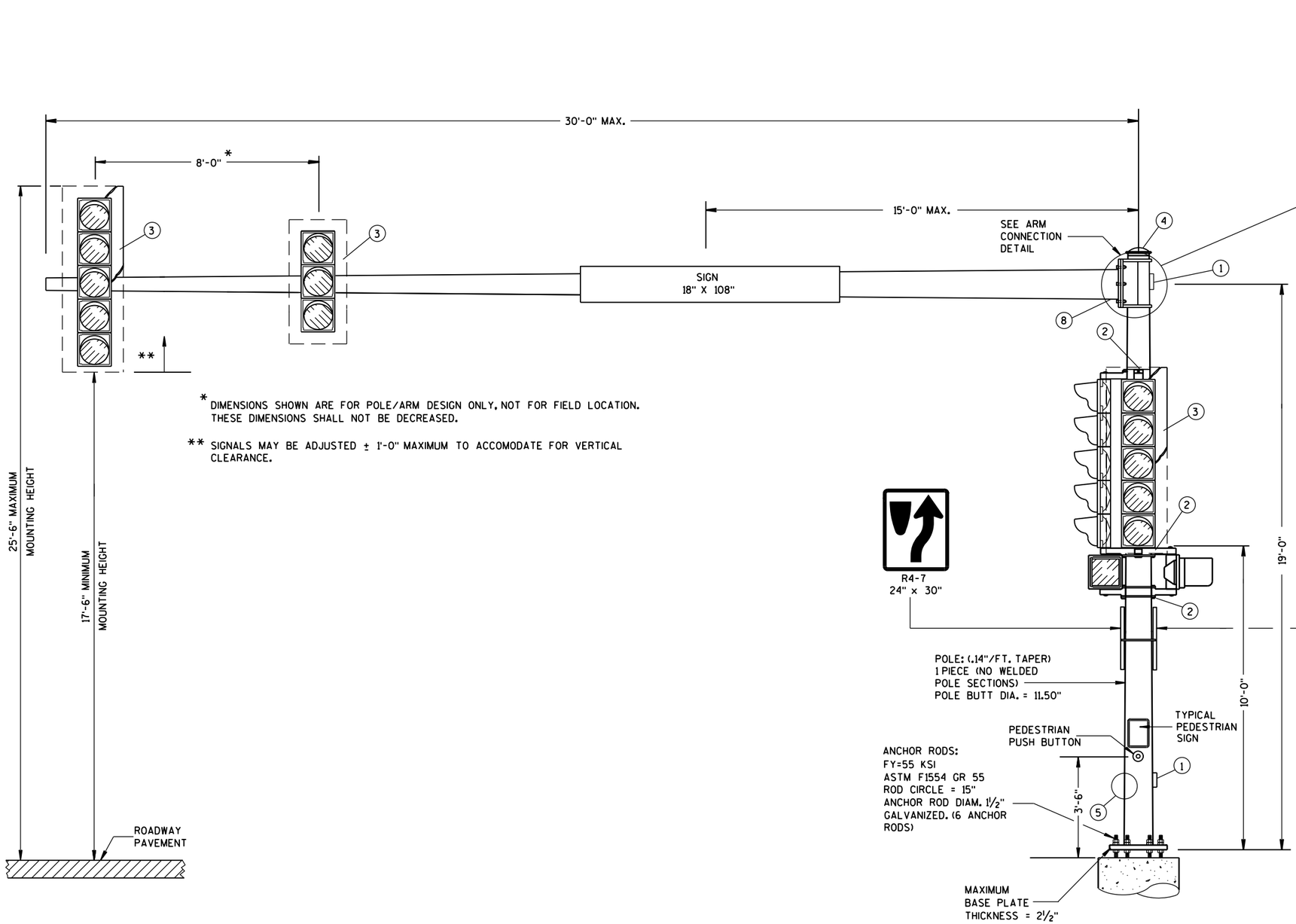
FHWA

6

S.D.D. 9 E 7-5

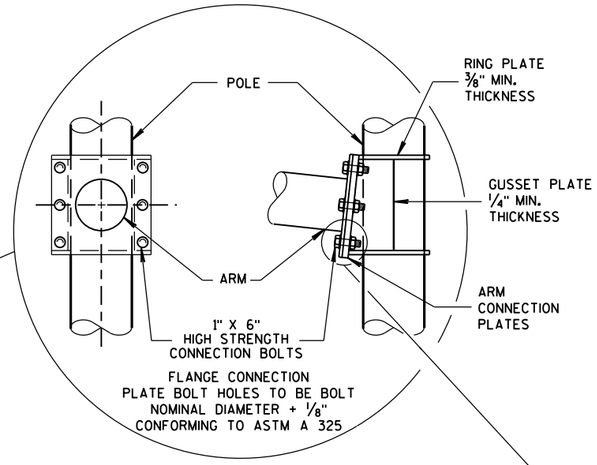
6

S.D.D. 9 E 7-5

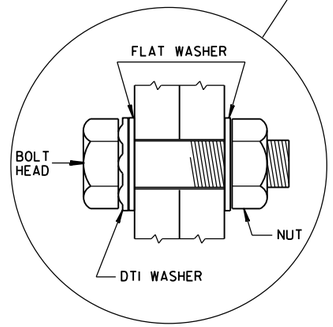


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

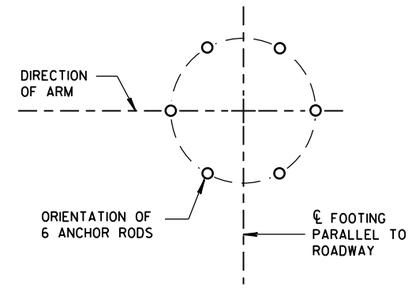
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 9 POLE 15'- 30' MONOTUBE ARM

TYPE 9 POLE 15' - 30' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May, 2016 DATE FHWA	/S/ Ahmet Demirbilek STATE ELECTRICAL

S.D.D. 9 E 8-8a

GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO 2013 6TH EDITION AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

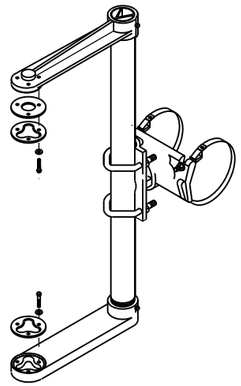
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

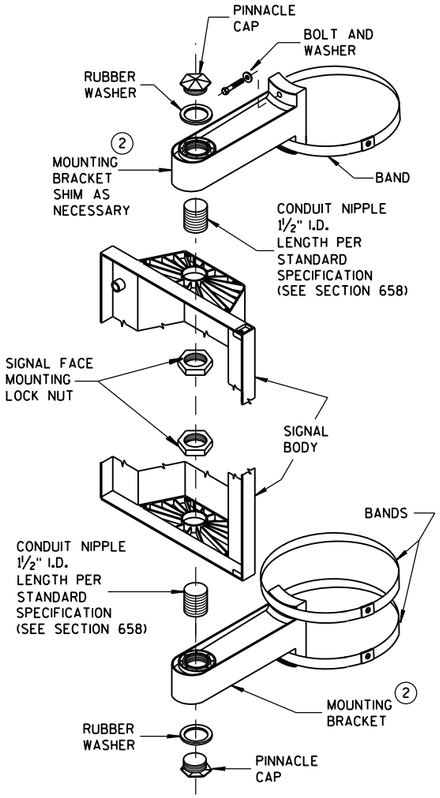
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

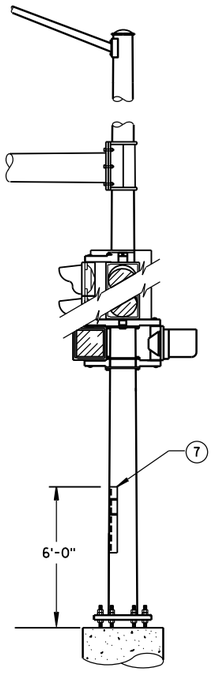


SIGNAL FACE MOUNTING BRACKET
DETAIL FOR MONOTUBE ARM

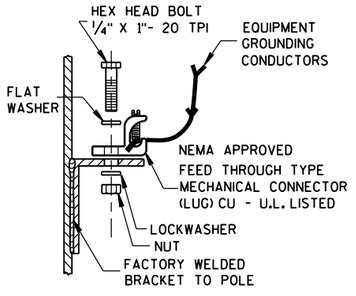
(MOUNT PER MANUFACTURER'S RECOMMENDATION)



SIGNAL FACE
VERTICAL MOUNTING DETAIL

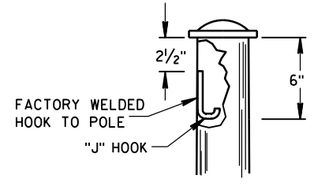


STRUCTURAL IDENTIFICATION
PLAQUE PLACEMENT



TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL
BE STAINLESS STEEL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

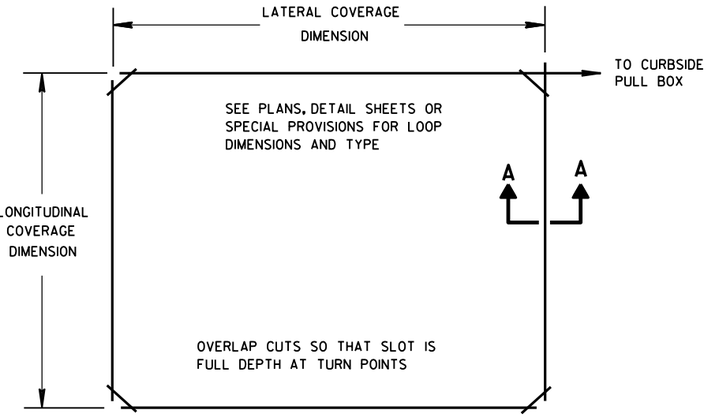
APPROVED
May 2016
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 381
FHWA

6

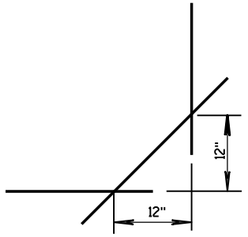
S.D.D. 9 E 8-8e

6

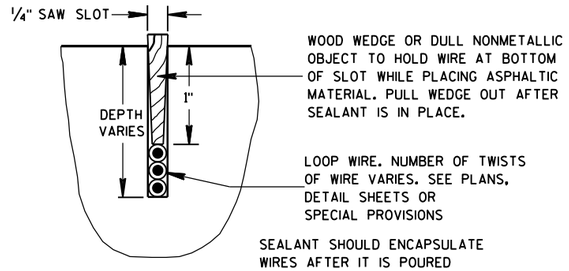
S.D.D. 9 E 8-8e



LOOP WIRE SLOT CONSTRUCTION

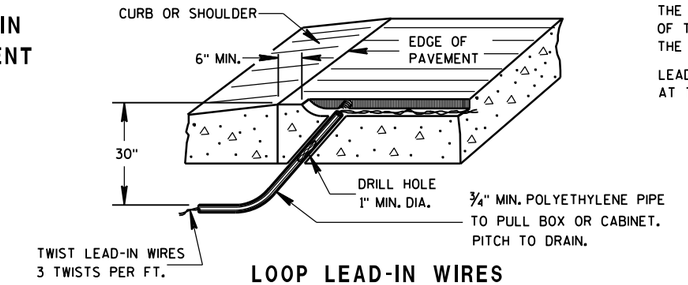


EXPANDED VIEW
SAW CUT CORNERS



SECTION A-A

LOOP AND LEAD-IN
WIRES IN PAVEMENT



LOOP LEAD-IN WIRES
THROUGH PAVEMENT

GENERAL NOTES

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

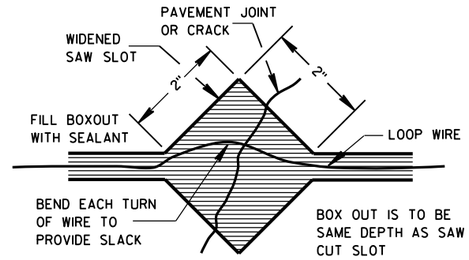
THE SLOTS IN THE PAVEMENT SHALL BE CUT TO DIMENSION WITH A SAW. THE SLOTS SHALL BE CLEANED FREE OF DIRT, DUST, MOISTURE AND DEBRIS PRIOR TO INSTALLATION OF THE WIRE.

AFTER PLACING THE WIRE IN THE SLOT, FILL THE SLOT WITH AN ASPHALTIC MATERIAL IN ACCORDANCE WITH THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D6690".

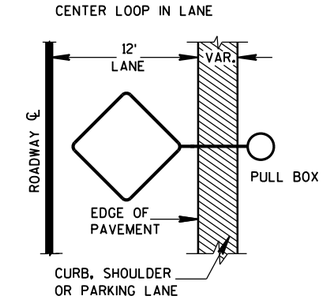
IN THE EVENT ASPHALTIC MATERIAL IS UNAVAILABLE, A FLEXIBLE TYPE EPOXY MAY BE USED AS A LOOP SLOT FILLER. THE LOOP SLOT SHALL BE CLEAN AND DRY BEFORE EPOXY IS INSTALLED. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED ONLY AFTER WRITTEN APPROVAL BY THE BY THE PROJECT ENGINEER.

THE TWO SINGLE CONDUCTOR LOOP WIRES SHALL BE TWISTED TOGETHER AT A RATE OF THREE TWISTS PER FOOT FROM THE PAVEMENT EDGE TO THE SPLICE CONNECTION WITH THE LOOP LEAD-IN CABLE.

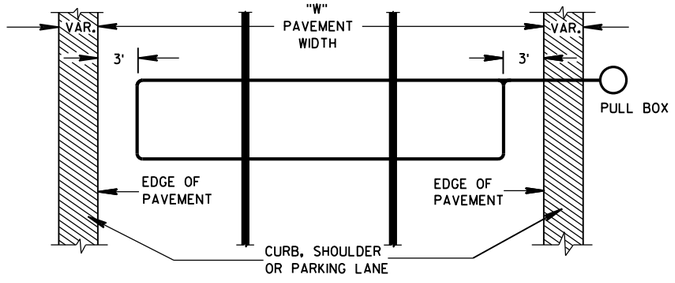
LEAD-IN CABLES AND LOOP LEAD-IN WIRES SHALL BOTH BE CUT TO 6 FEET IN LENGTH AT THE SPLICING PULL BOX.



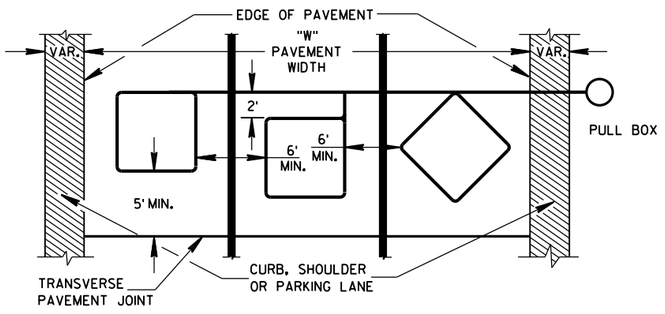
PLAN VIEW



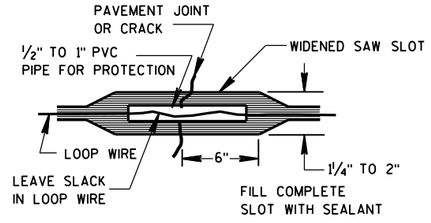
LOOP WIRE SLOT PLAN



LOOP WIRE SLOT PLAN

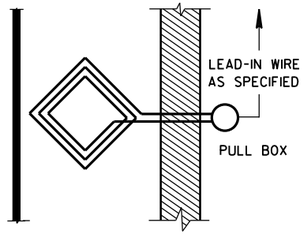


LOOP WIRE SLOT PLAN



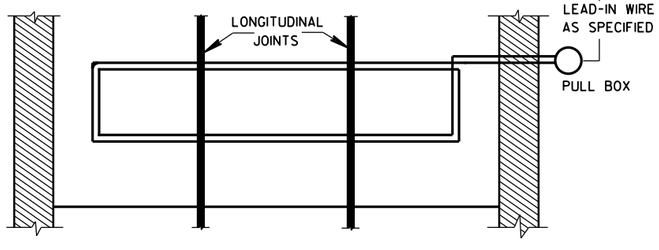
FRONT VIEW

LOOP WIRE INSTALLATION ACROSS
PAVEMENT JOINT OR CRACK



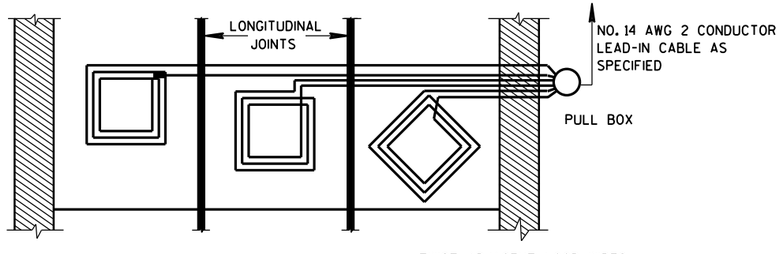
LOOP WIRE LAY
CONSTRUCTION DETAILS

SINGLE LANE LOOP DETECTION



LOOP WIRE LAY
CONSTRUCTION DETAILS

MULTIPLE LANE MASS LOOP DETECTION



LOOP WIRE LAY
CONSTRUCTION DETAILS

MULTIPLE LANE DETECTION BY
INDIVIDUAL LANES, TYPICAL TYPE LOOPS

DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

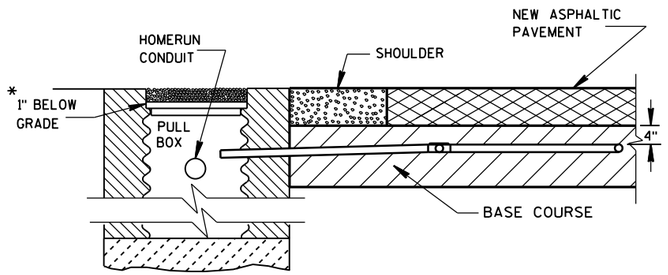
APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 F 1-4

6

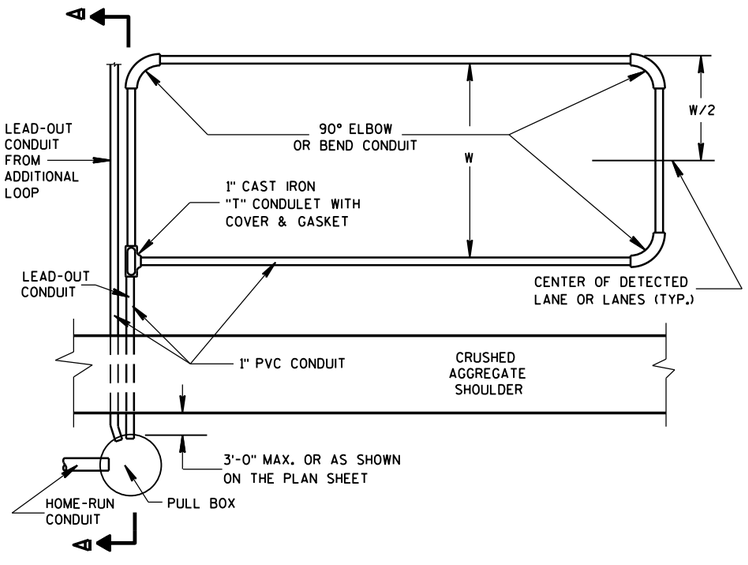
S.D.D. 9 F 1-4



SECTION A-A
NO CURB & GUTTER

DETECTOR LOOP INSTALLATION DETAIL

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR

GENERAL NOTES

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

LOOP SIZE, 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 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 FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

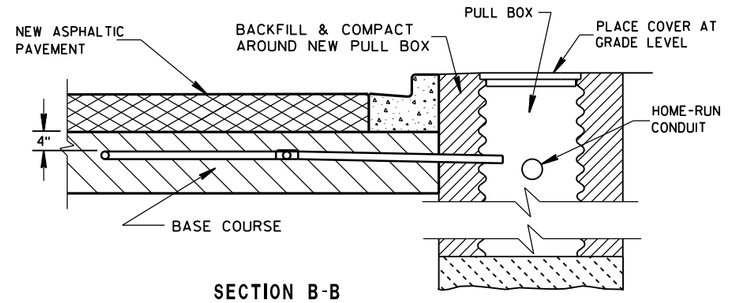
SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT AND CONDULET SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE ASPHALTIC PAVEMENT IS PLACED.

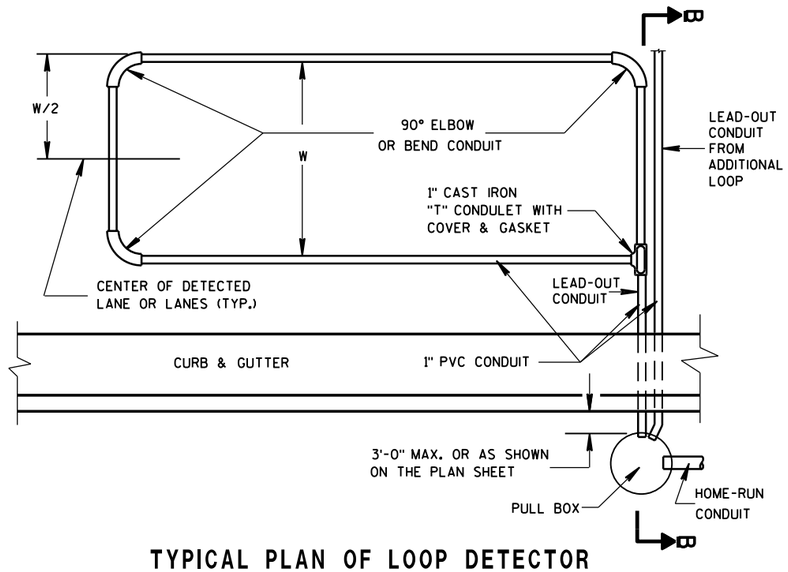
WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



SECTION B-B
CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

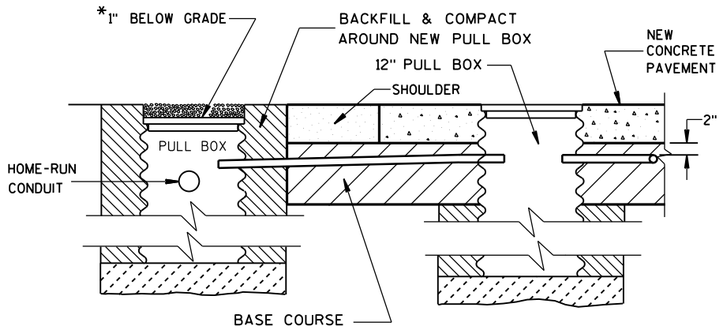
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 383
FHWA

6

S.D.D. 9 F 8-4

6

S.D.D. 9 F 8-4



SECTION A-A

NO CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

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

LOOP SIZE, 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 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.

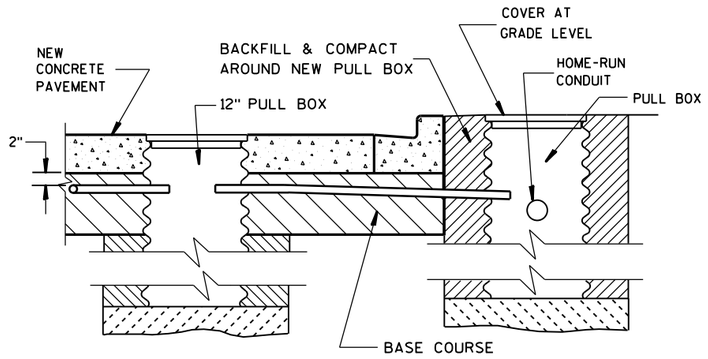
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

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

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET AND PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE NEW CONCRETE PAVEMENT IS PLACED.

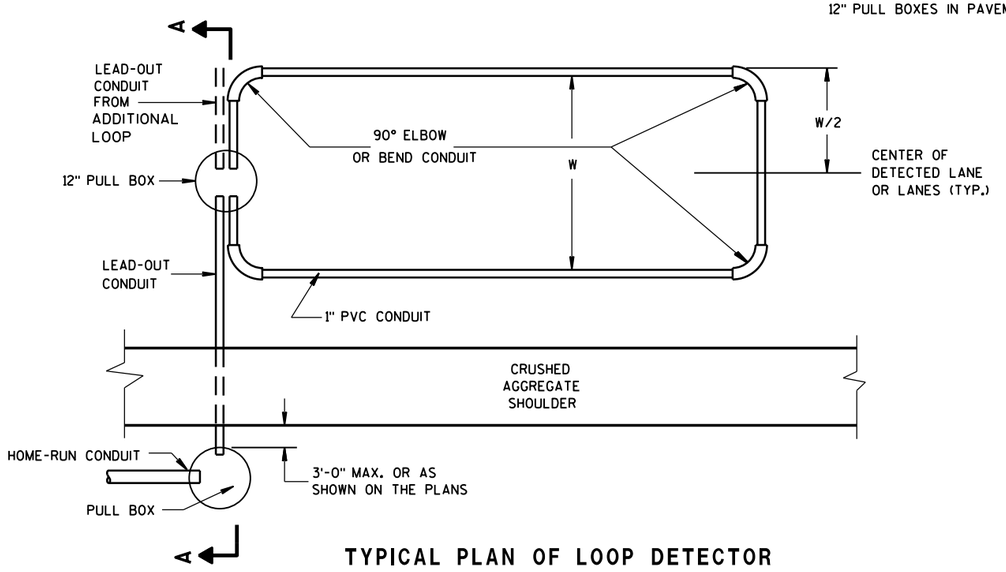
12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



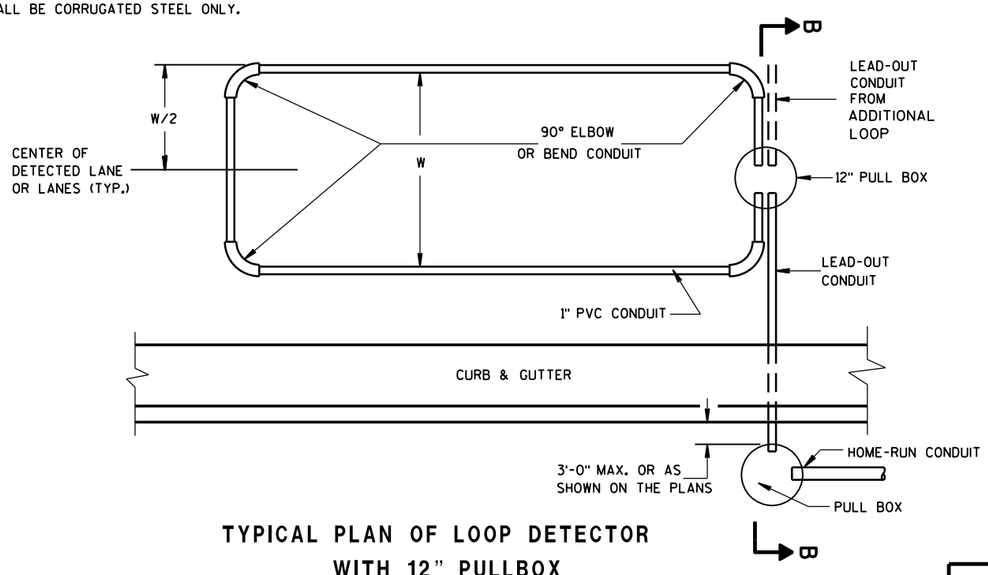
SECTION B-B

CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

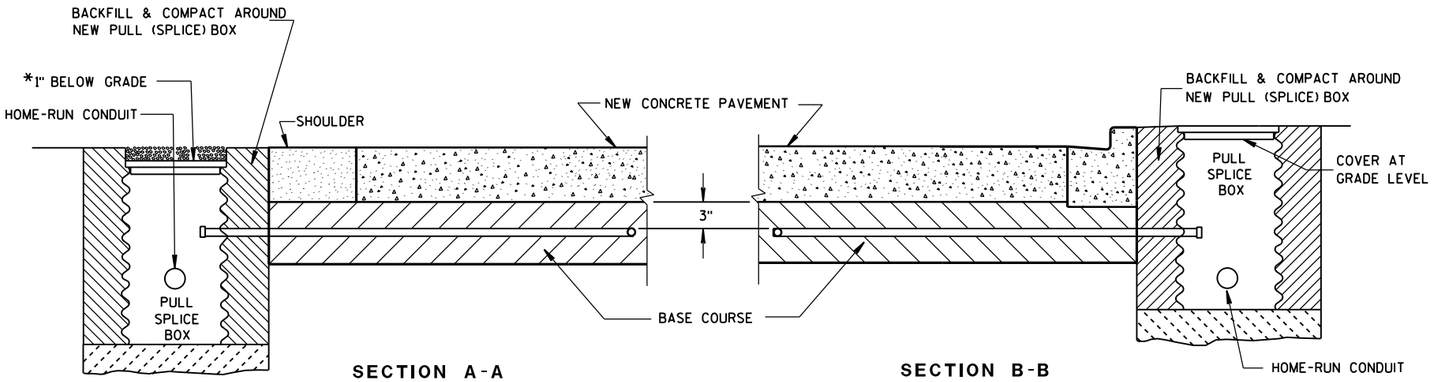
FHWA

6

S.D.D. 9 F 9-4

6

S.D.D. 9 F 9-4



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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.

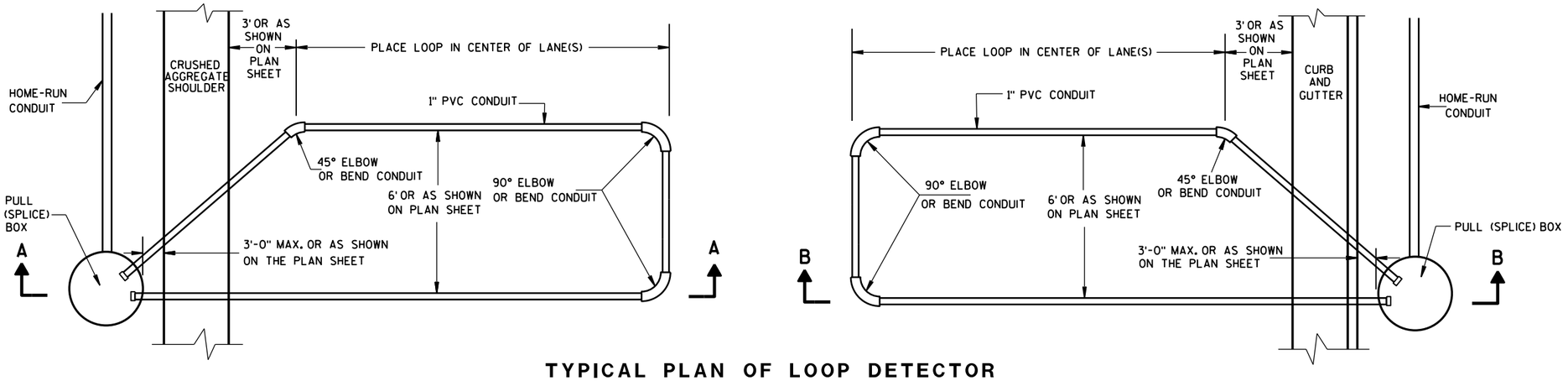
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT 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.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
FHWA

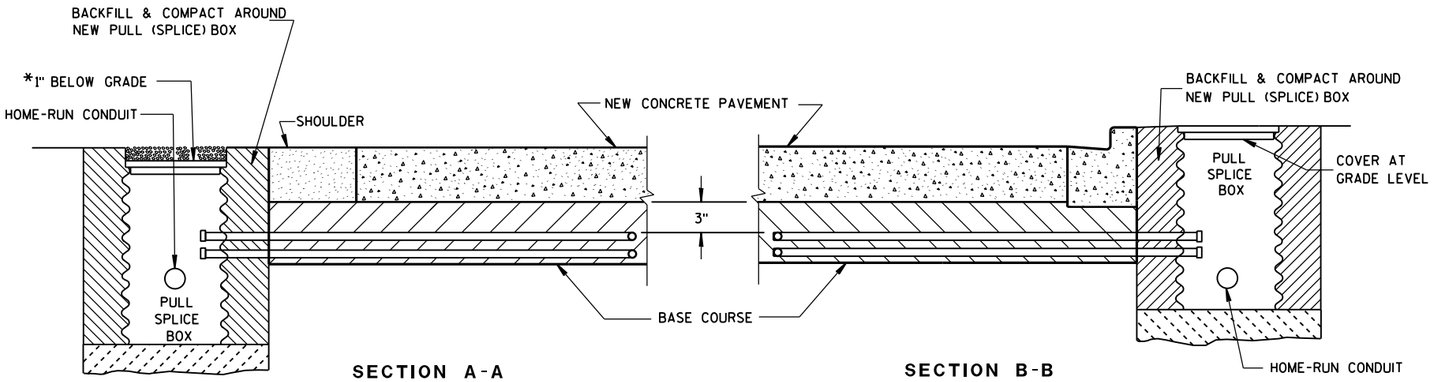
/S/ Ahmet Demirbilek
STATE ELECTRICAL 385

6

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

6

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



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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.

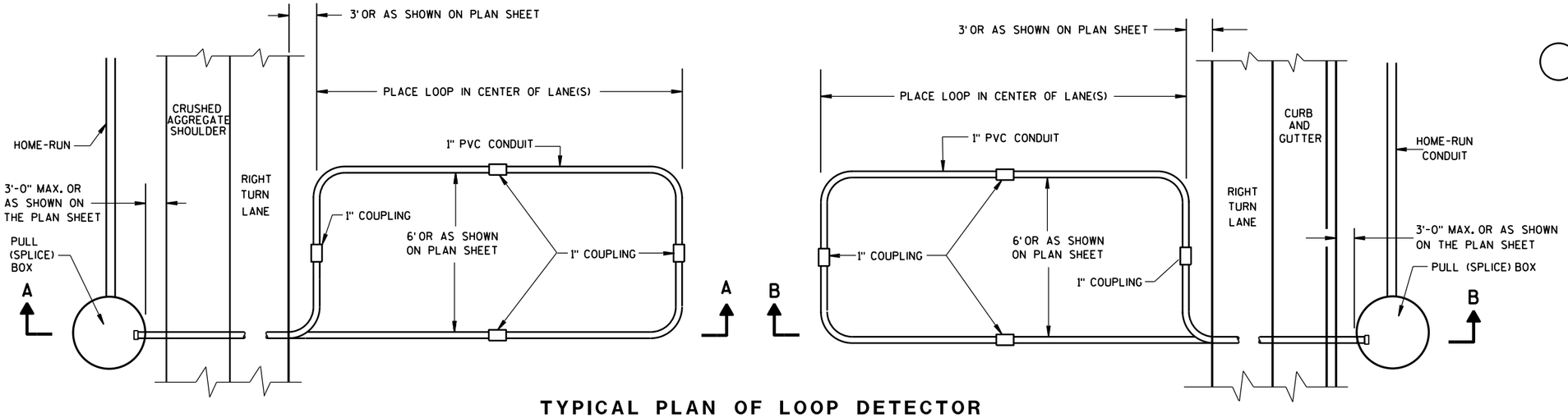
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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

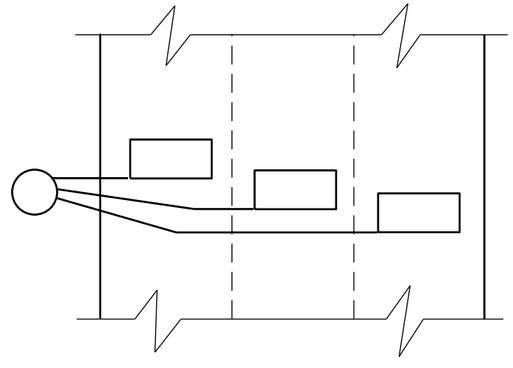
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

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.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA

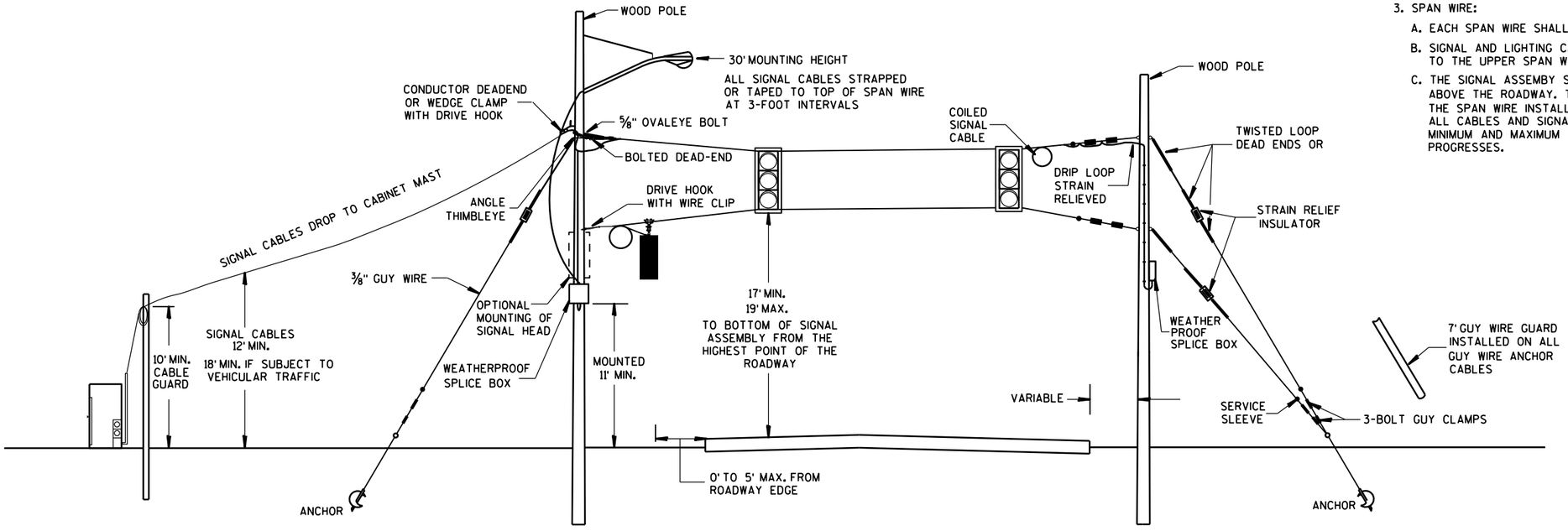
GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

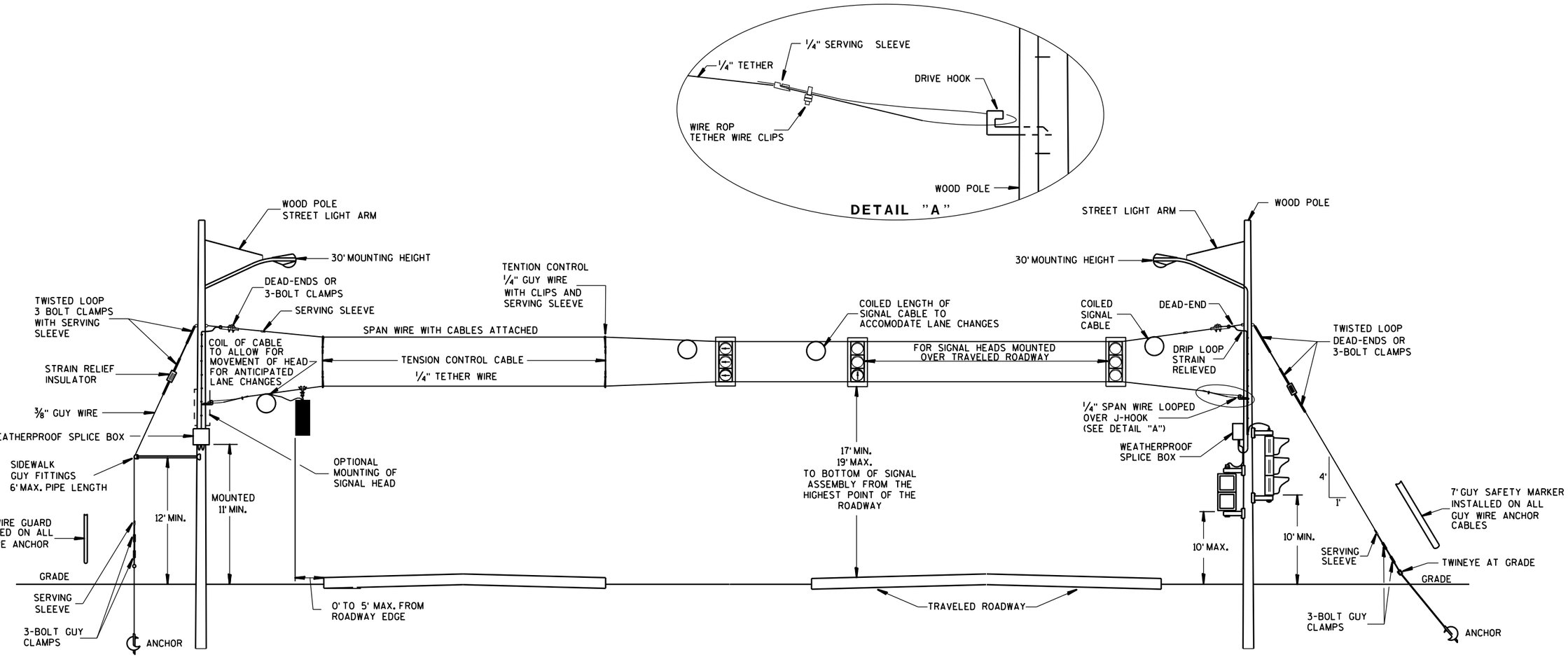
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 G 1-4a



GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

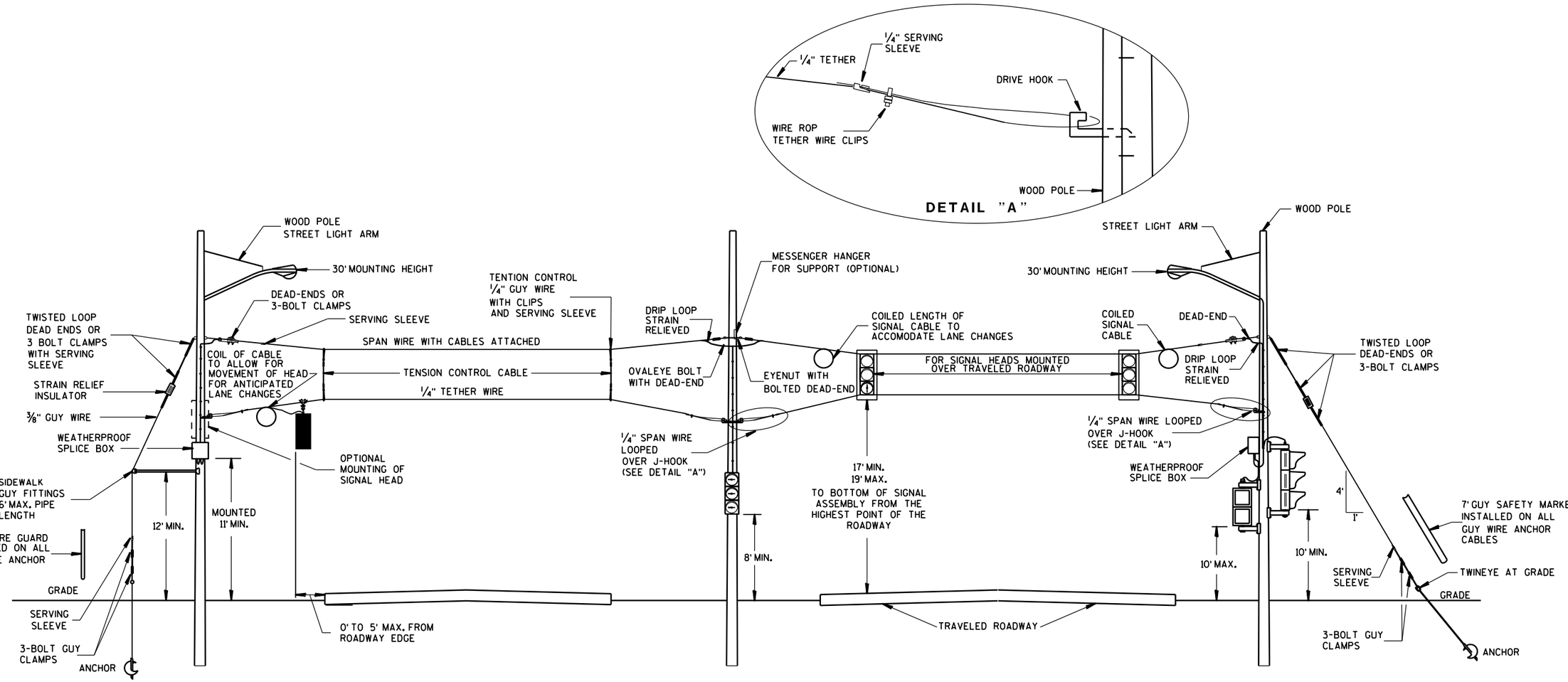
APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 388
FHWA

6

S.D.D. 9 G 1-4b

6

S.D.D. 9 G 1-4b



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

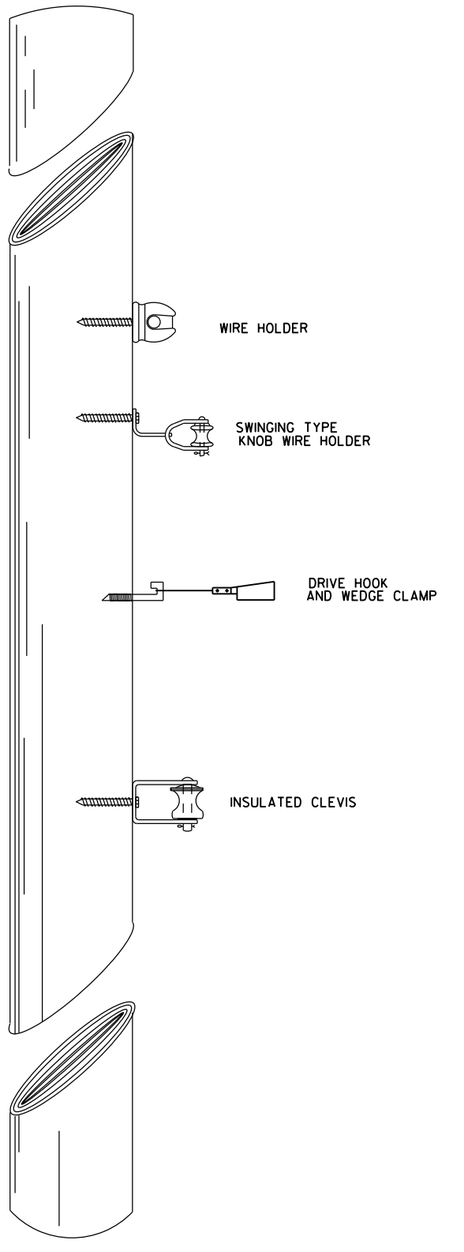
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

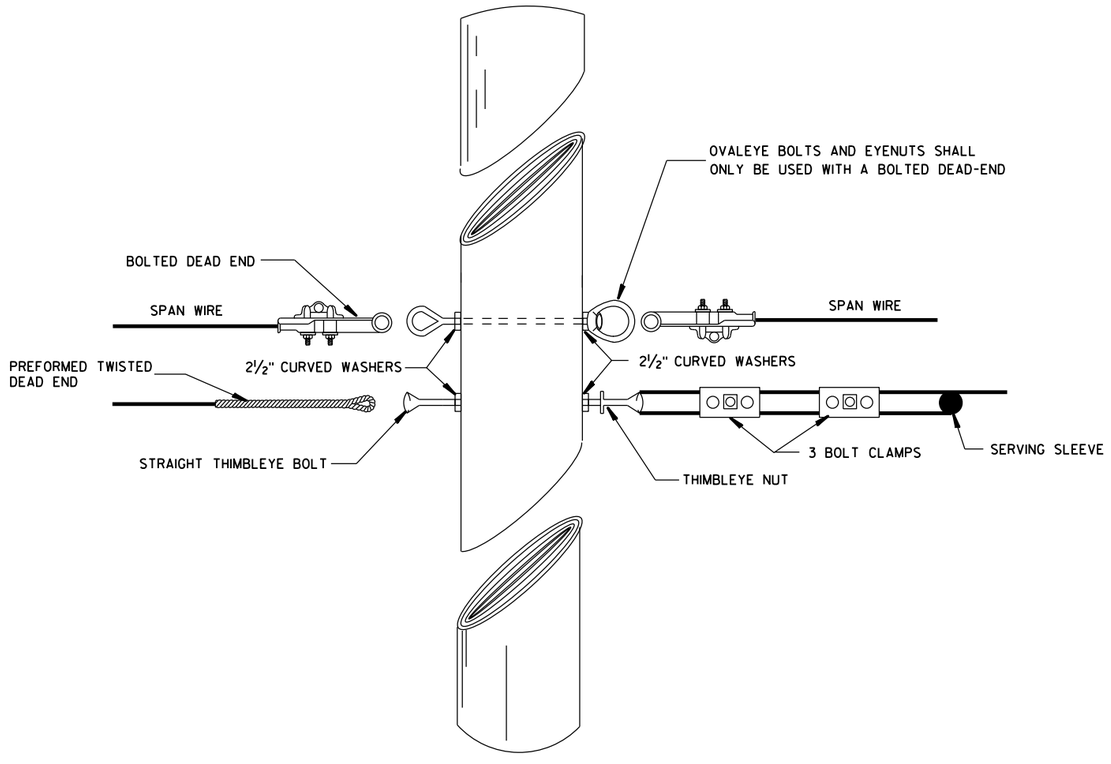
APPROVED
June. 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 G 1-4c



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

6

6

S.D.D. 9 G 1-4d

S.D.D. 9 G 1-4d

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

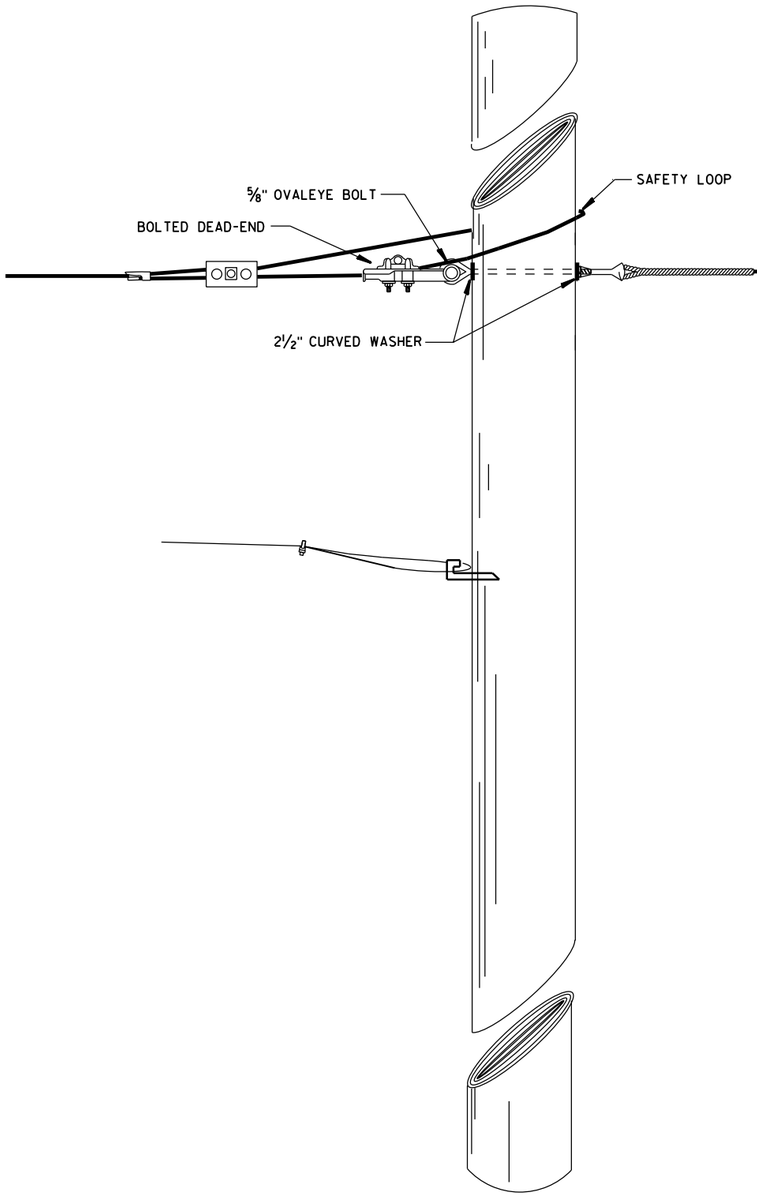
June, 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

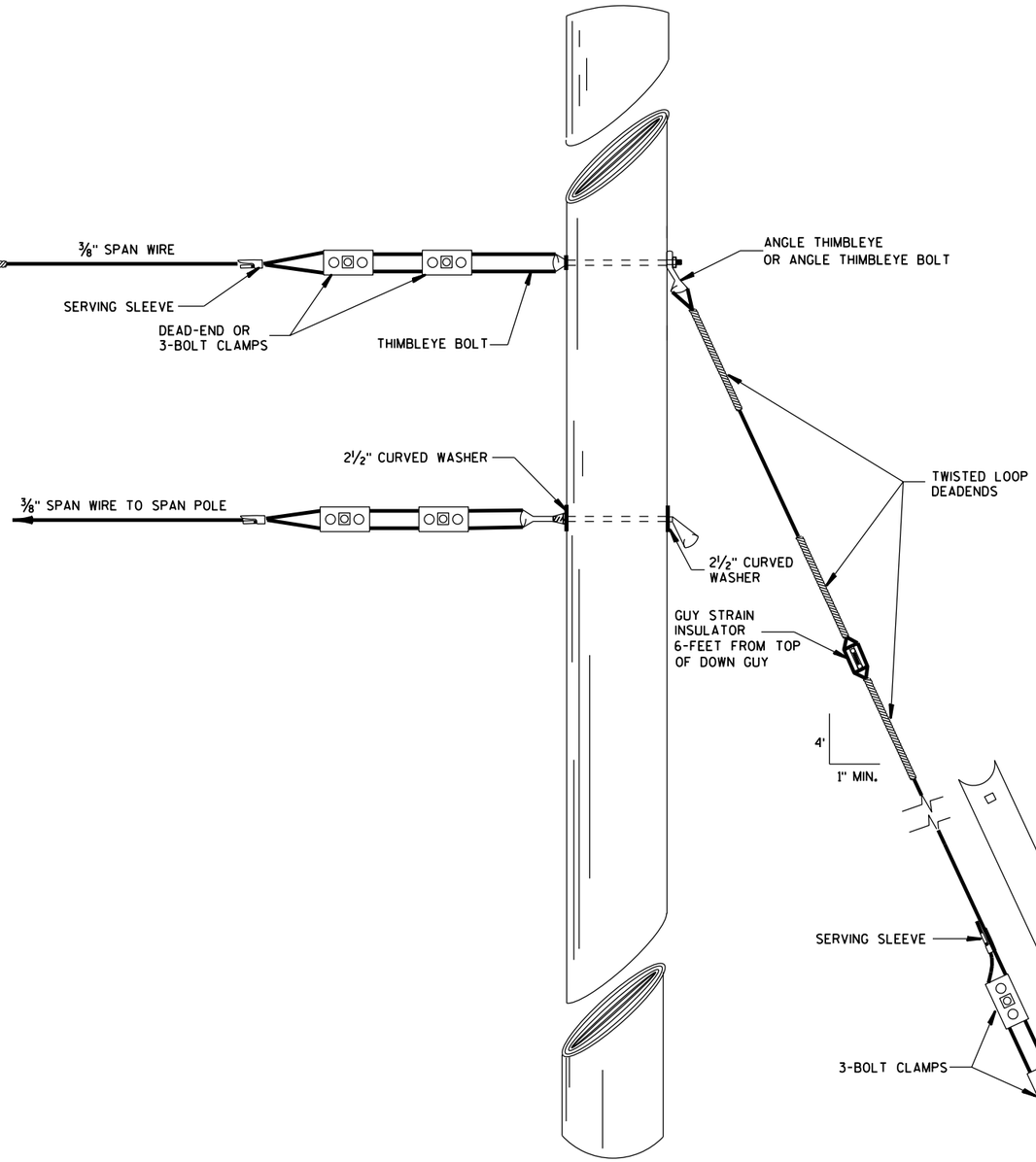
FHWA

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



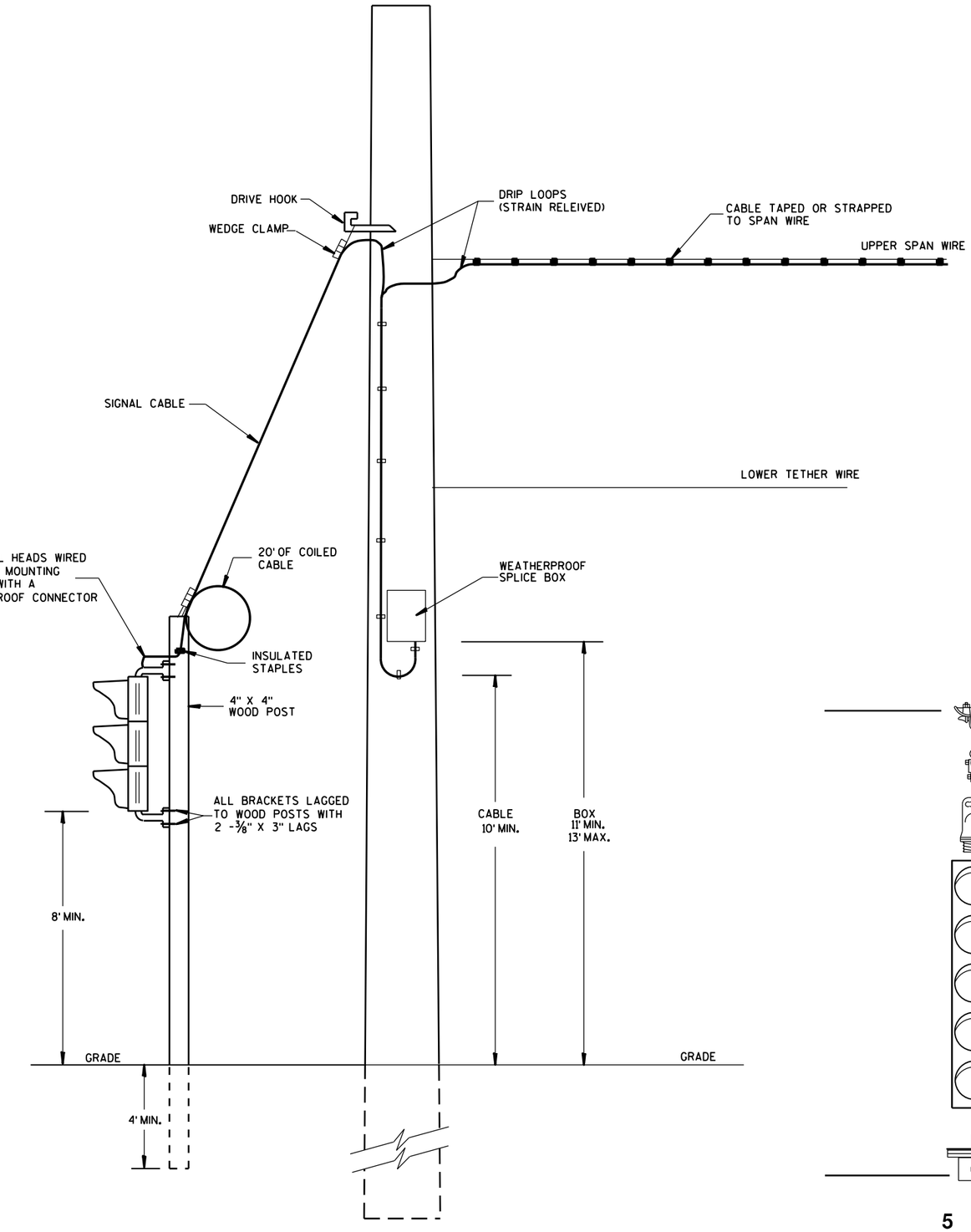
GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

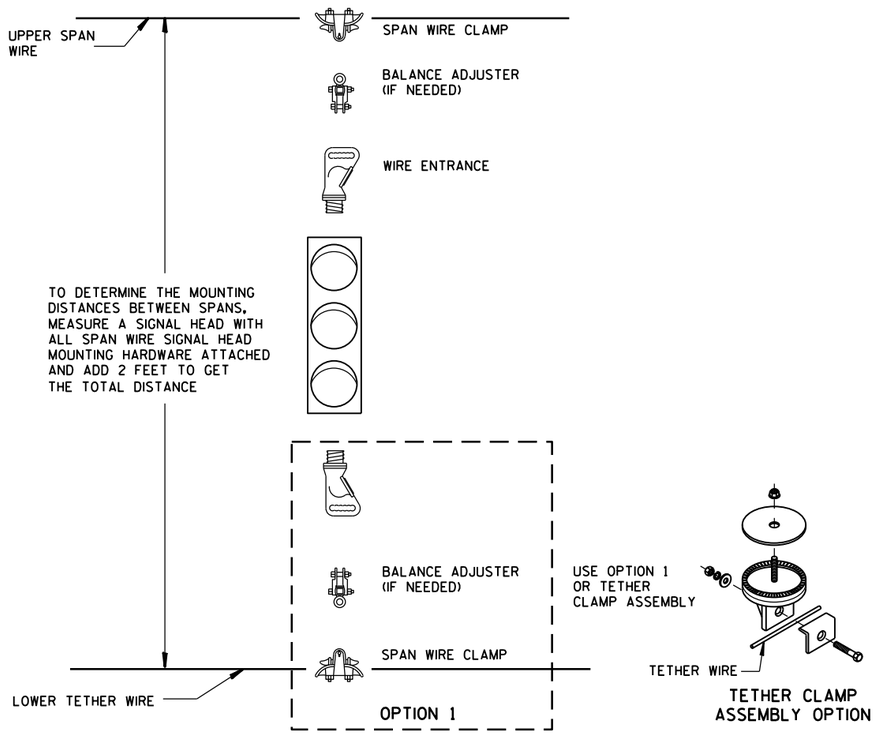
SPAN WIRE TEMPORARY TRAFFIC SIGNAL
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED June. 2015 DATE /S/ Ahmet Demirbilek STATE ELECTRICAL FHWA

6

S.D.D. 9 G 1-4e

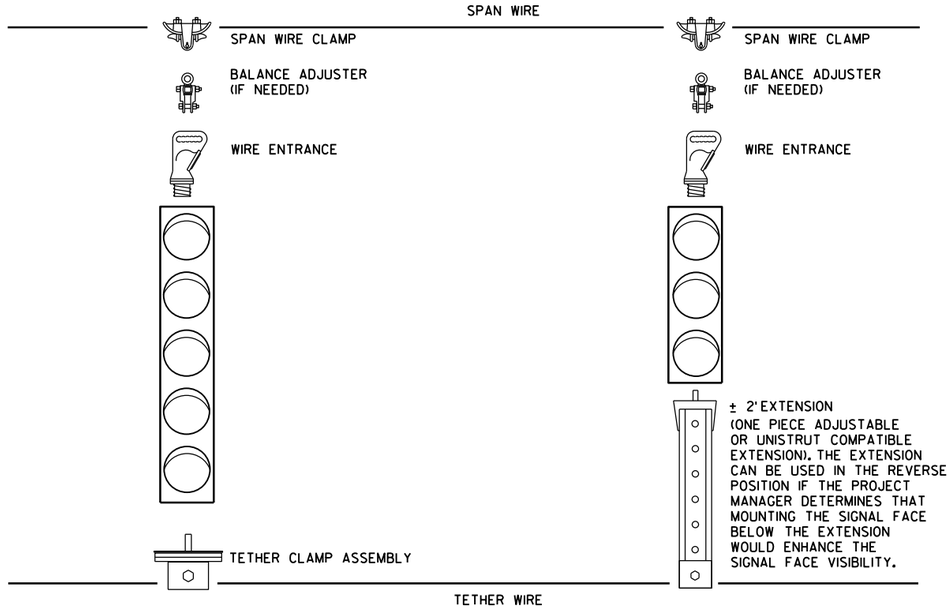


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June. 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

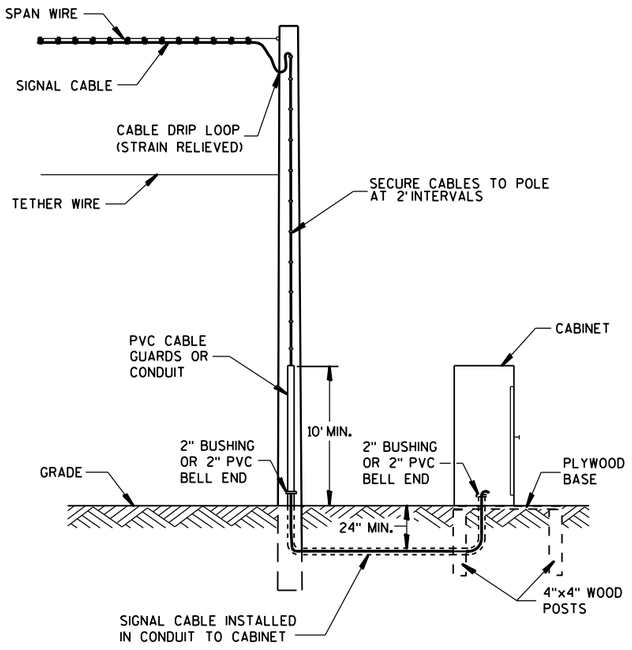
FHWA

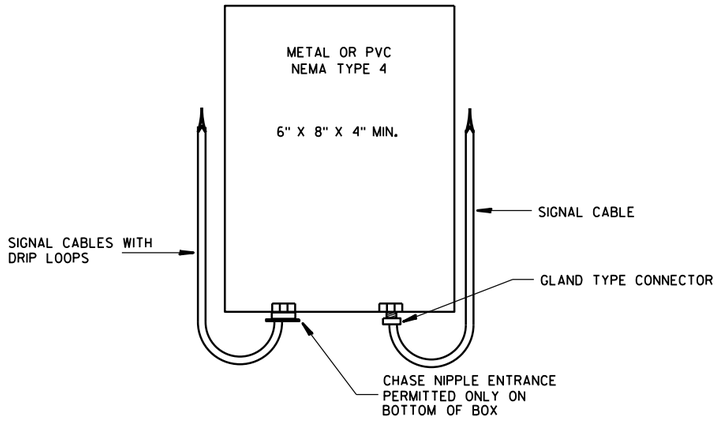
6

S.D.D. 9 G 1-4f

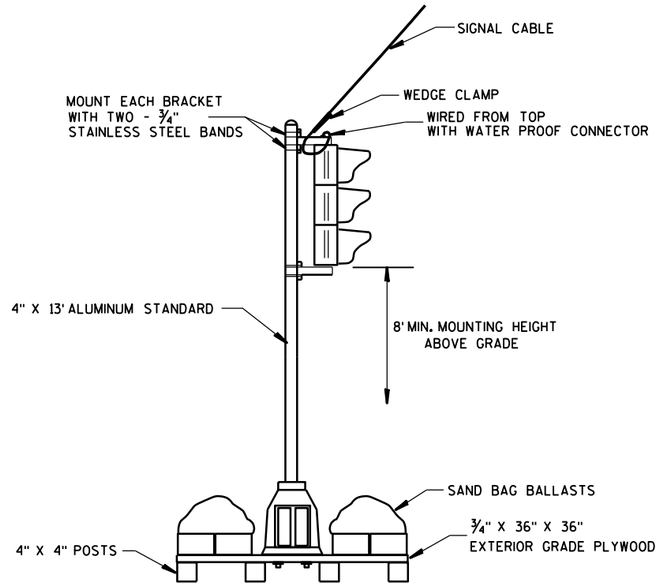
6

S.D.D. 9 G 1-4f

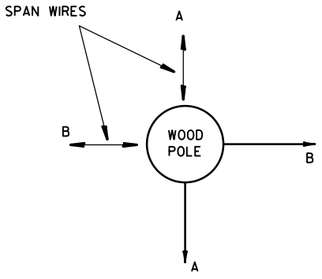




SPLICE BOX

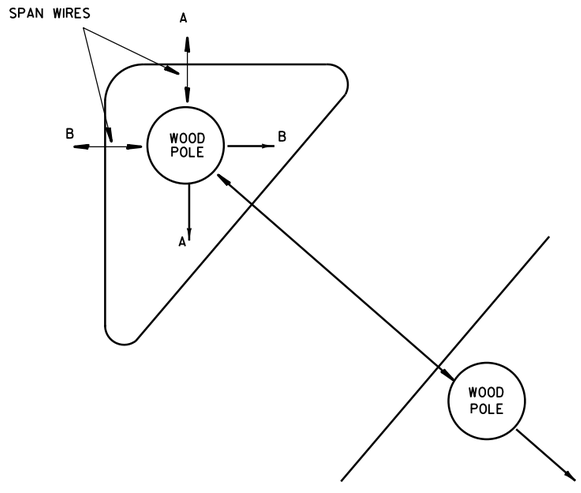


TYPICAL SKID TYPE TEMPORARY

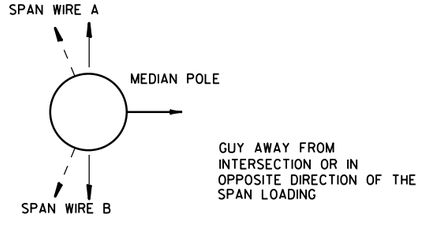


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

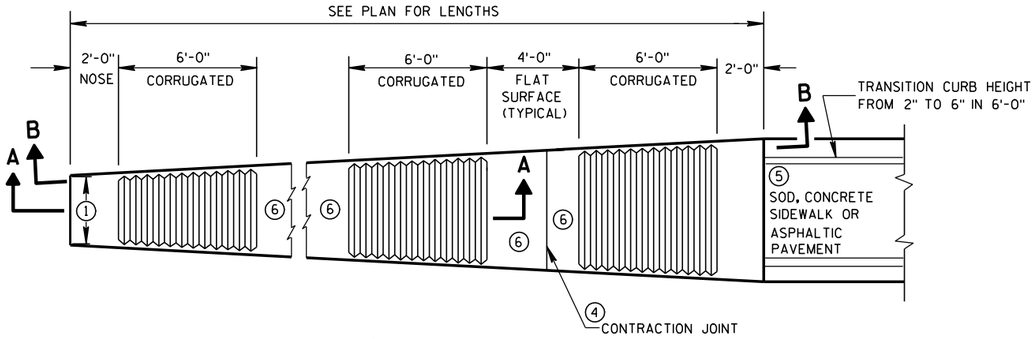
APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 G 1-4g

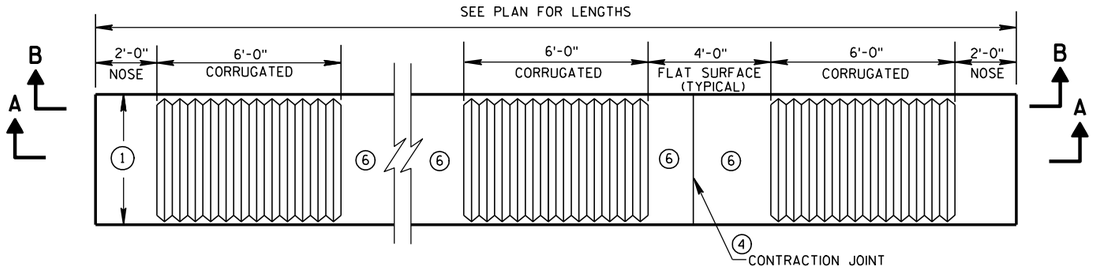
6

S.D.D. 9 G 1-4g



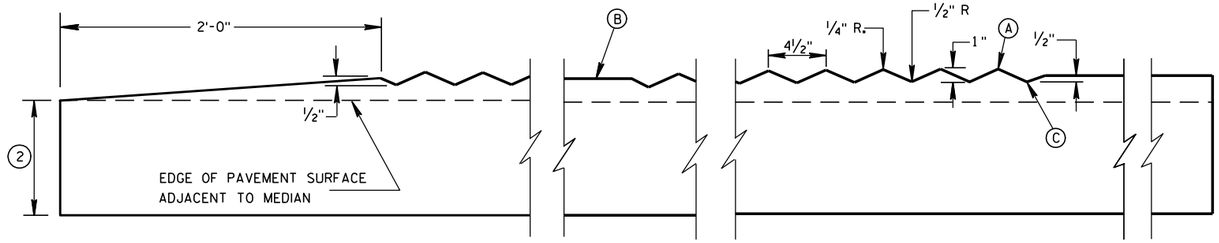
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.

ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.

(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

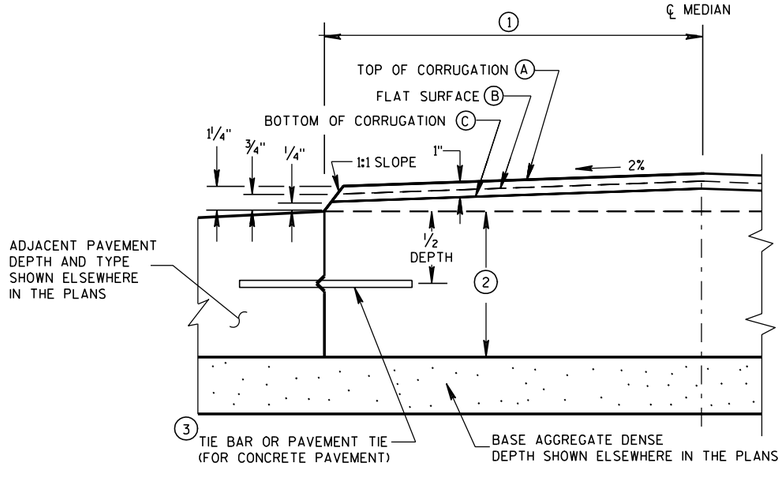
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

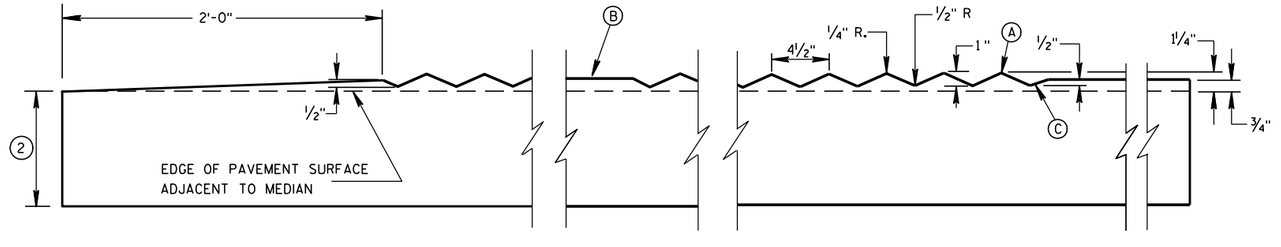
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

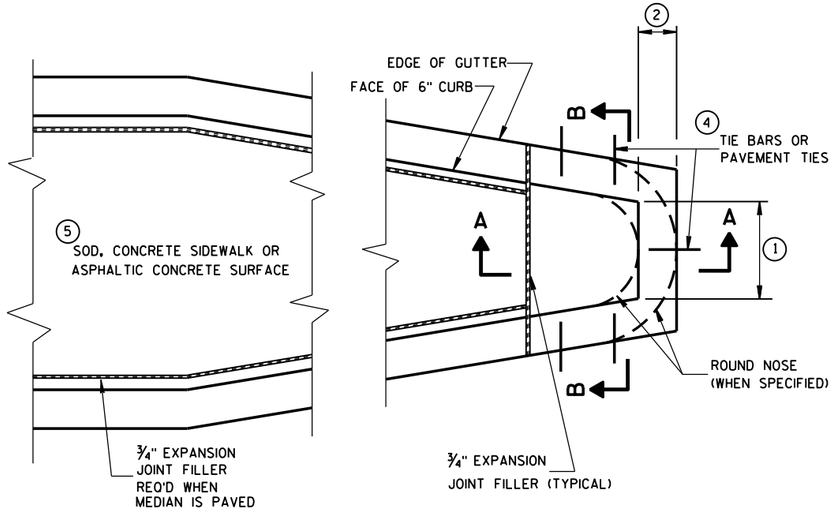
(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT

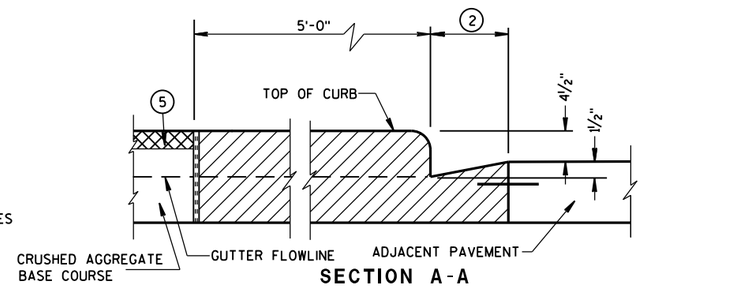


SECTION B-B

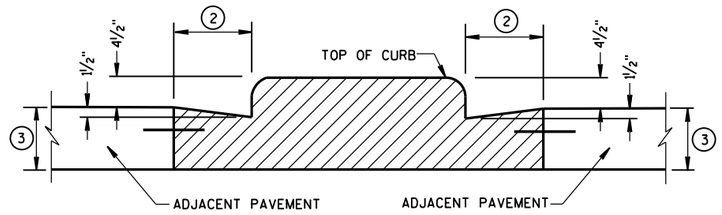
LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/17/07 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

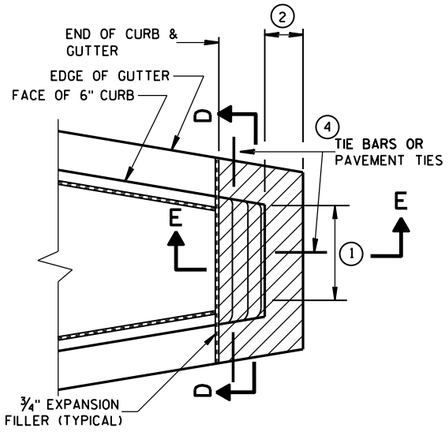
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

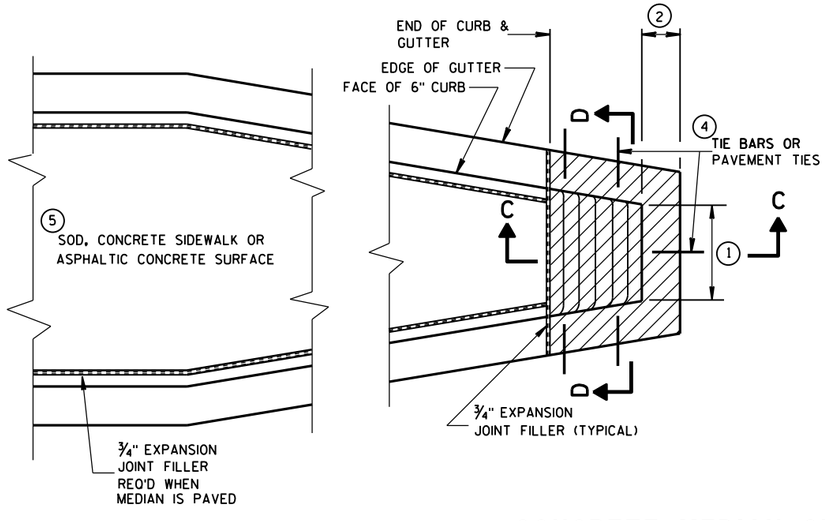
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

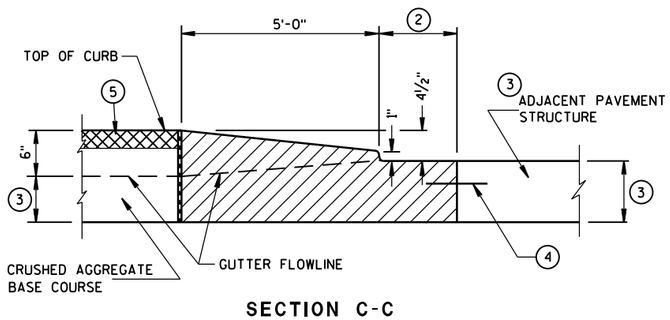
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

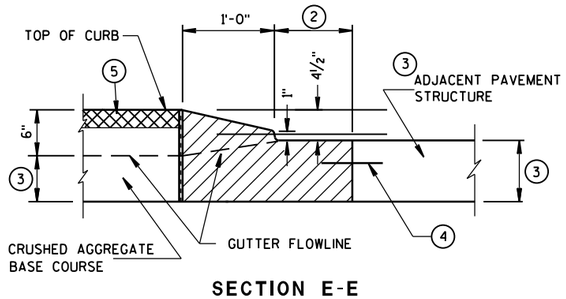




CONCRETE MEDIAN SLOPED NOSE TYPE 1

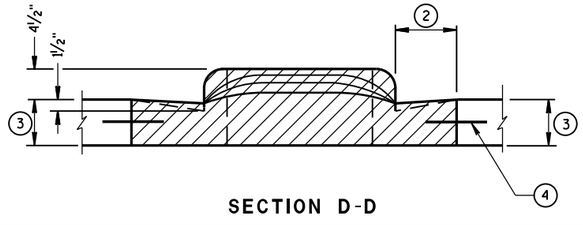


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

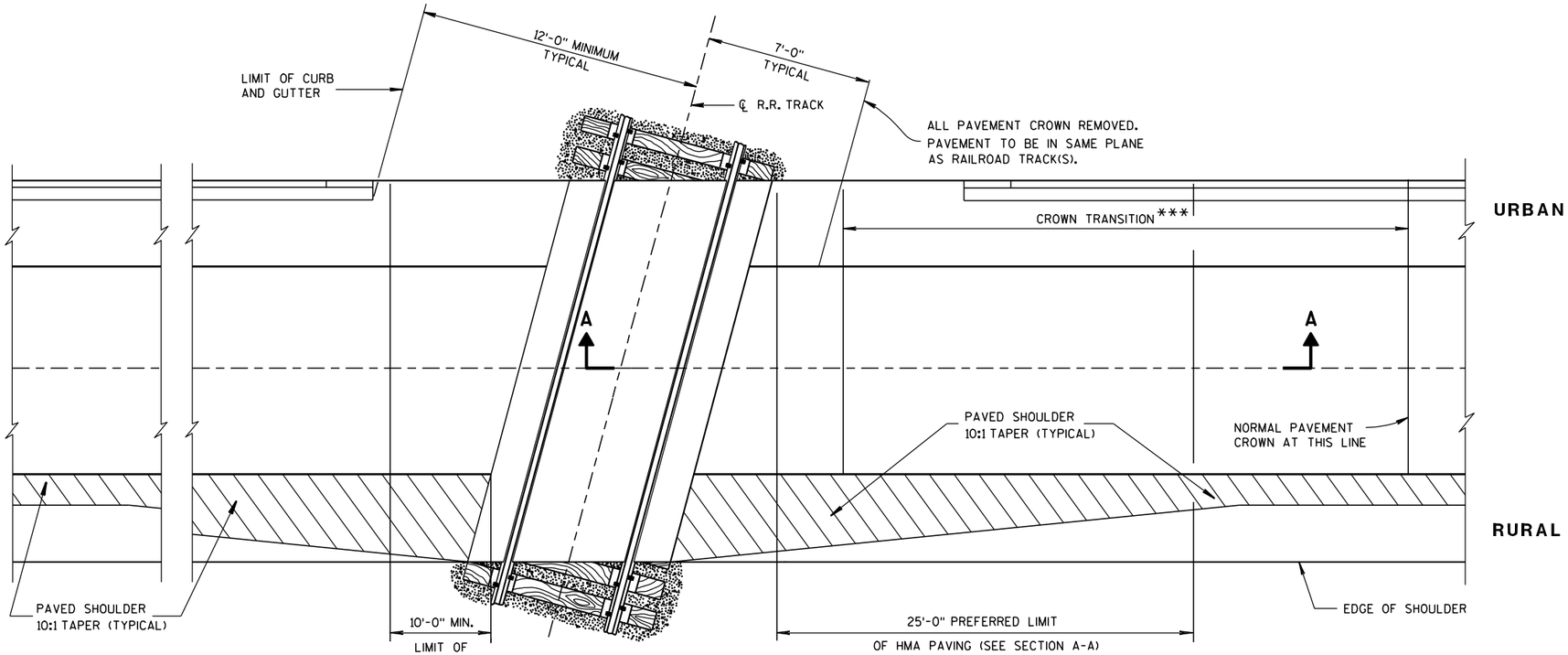
FHWA

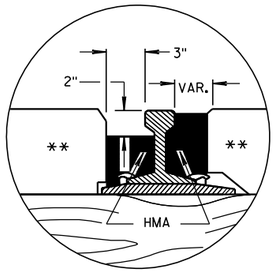
6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

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.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

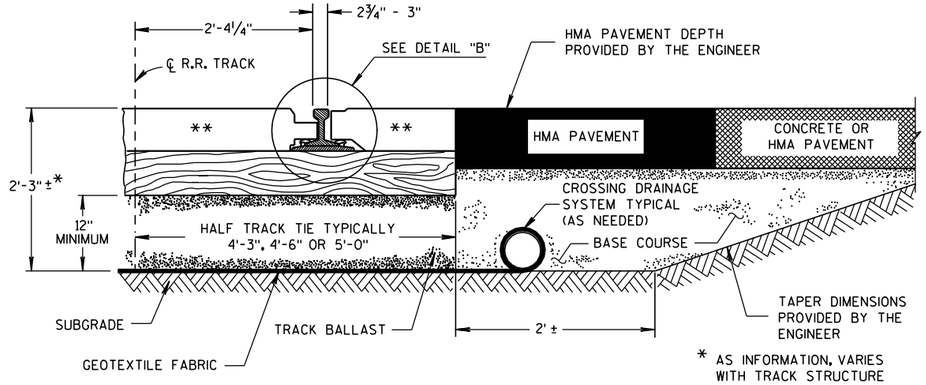
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

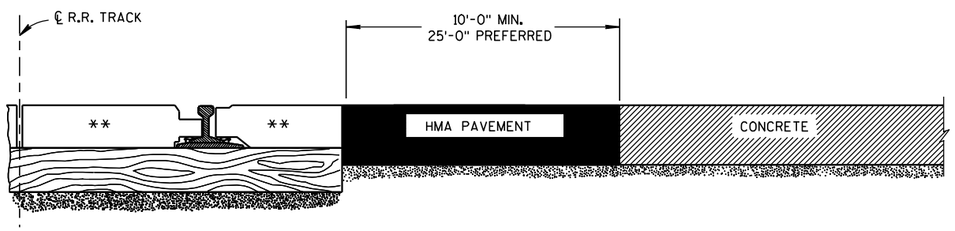
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.



TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH



SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

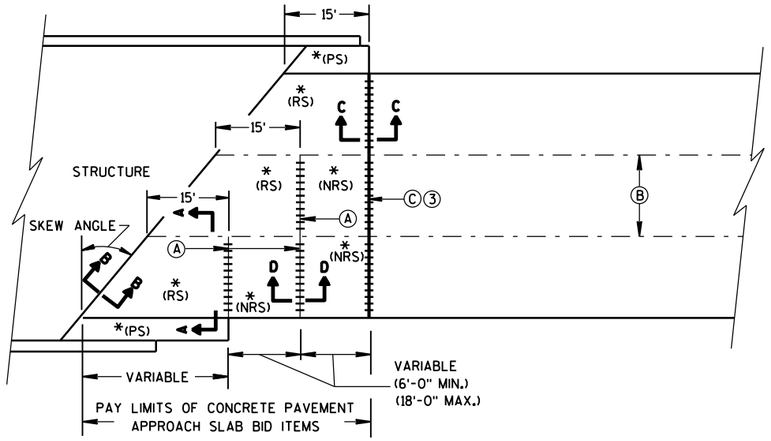
APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAZ 396 CTION
FHWA

6

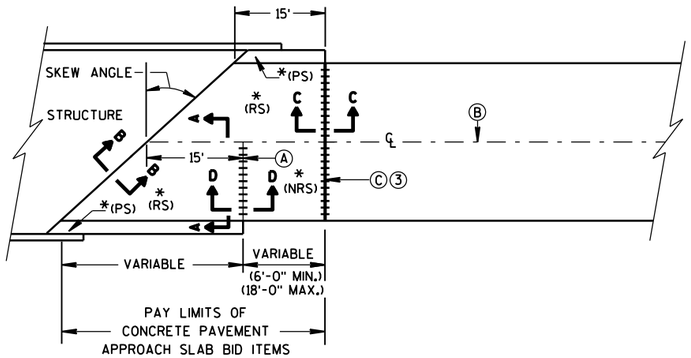
S.D.D. 13 B 1-10

6

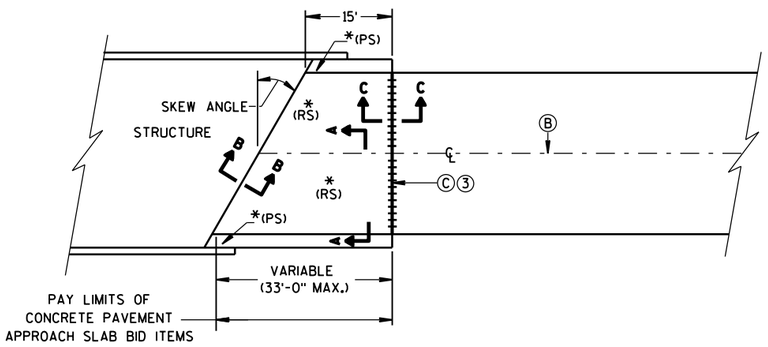
S.D.D. 13 B 1-10



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



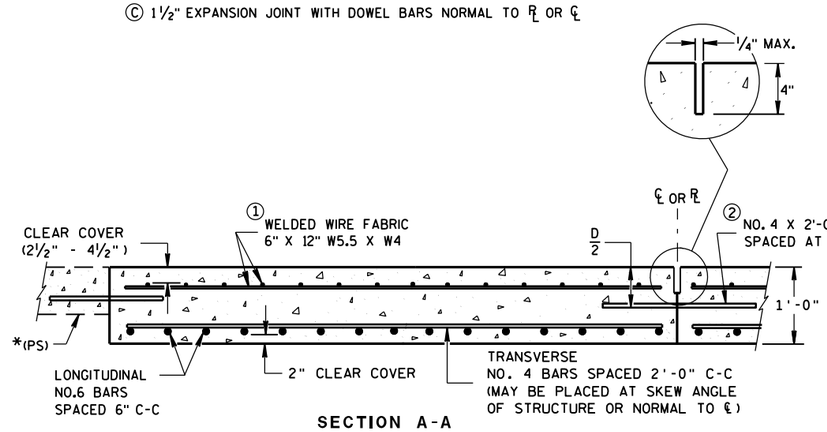
SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

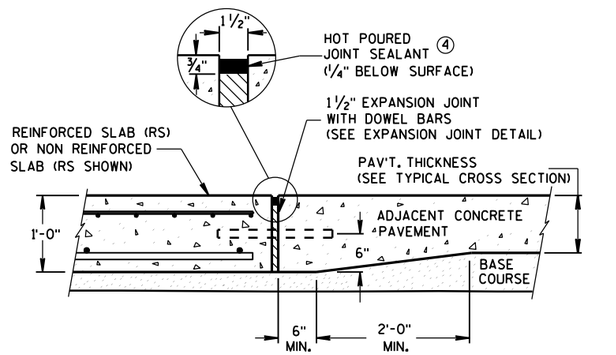
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

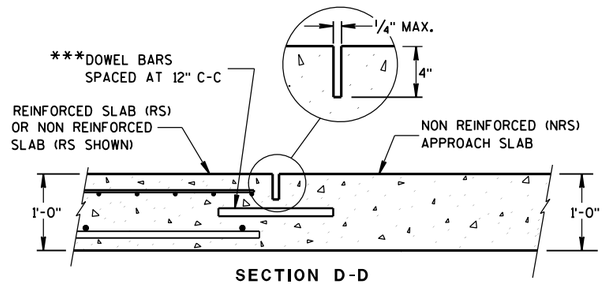
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

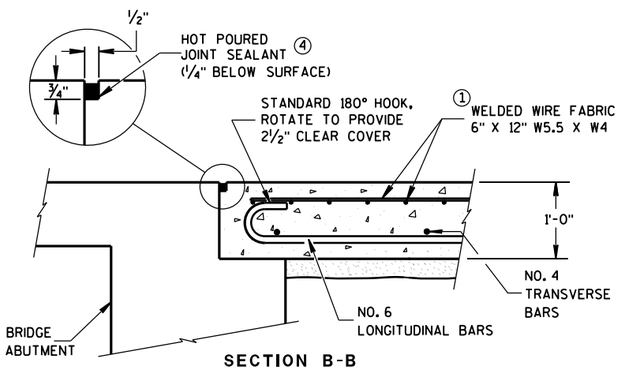
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

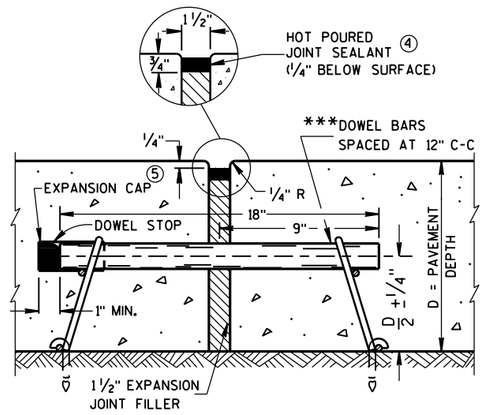
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

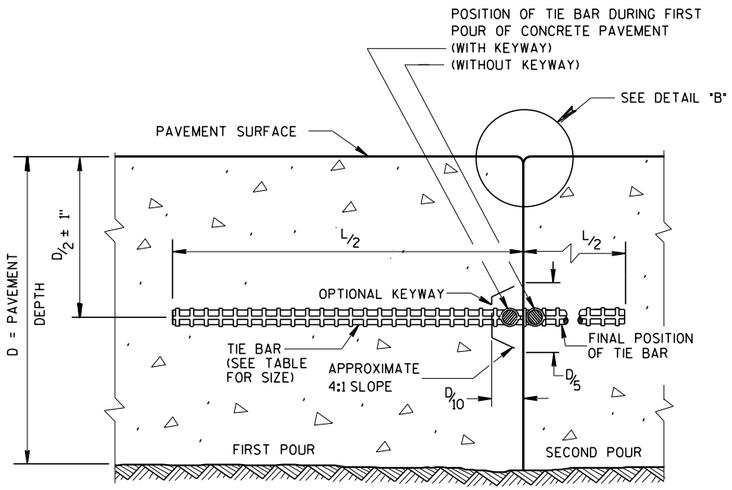
CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

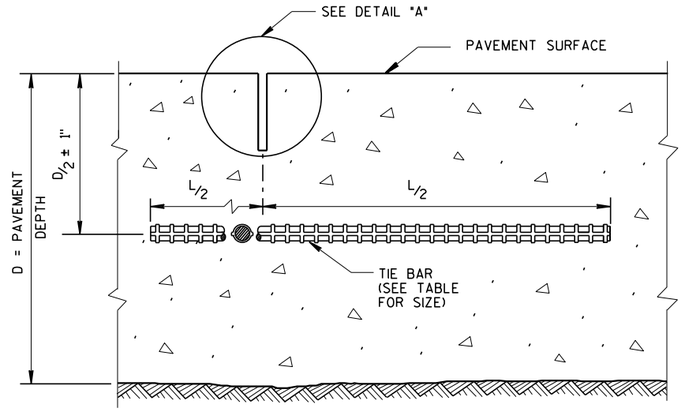
APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

S.D.D. 13 B 2-8a

S.D.D. 13 B 2-8a



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

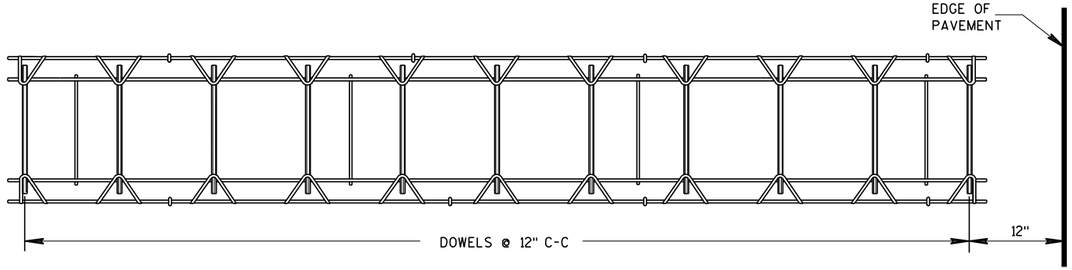
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPE
FHWA

6
S.D.D. 13 C 1-19



PLAN VIEW

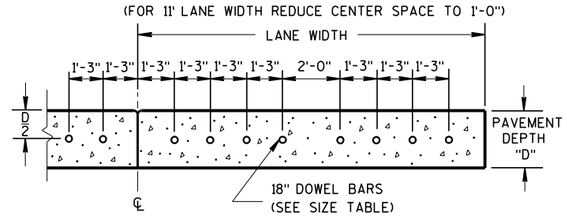


SIDE VIEW

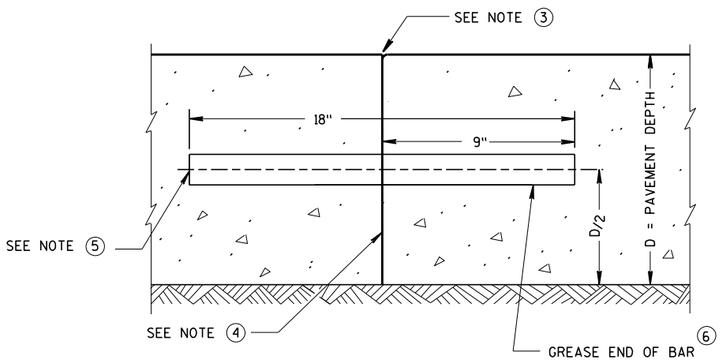
CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

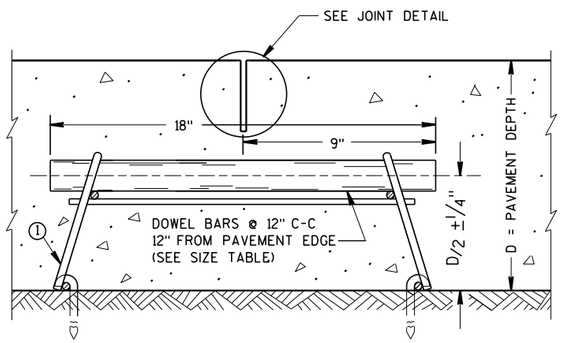
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



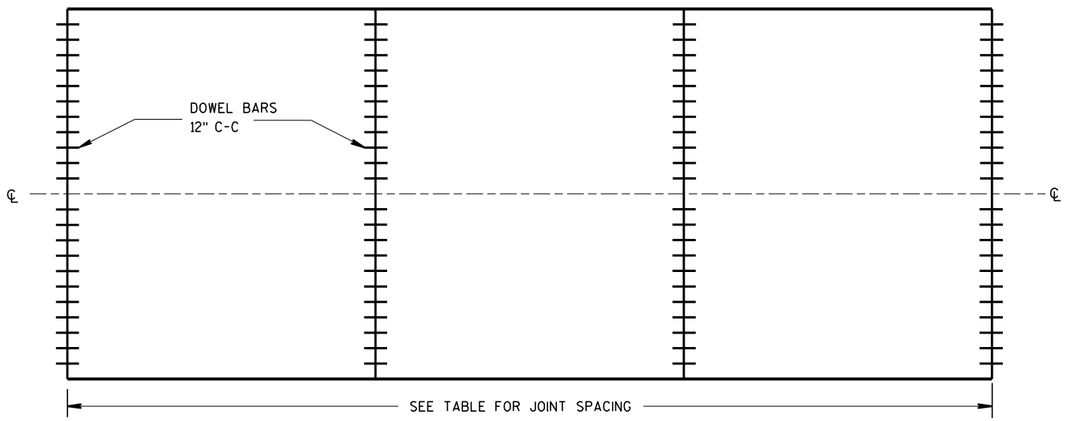
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



TRANSVERSE CONSTRUCTION JOINT



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

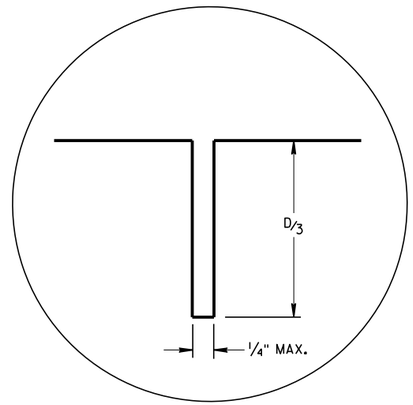
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

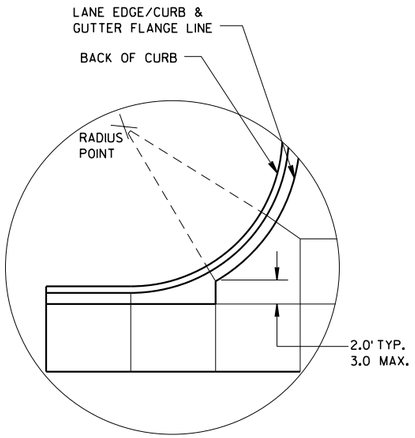
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

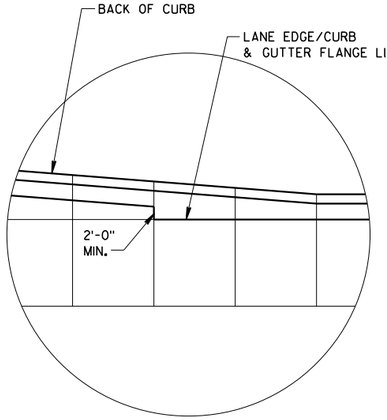
/S/ Peter Kemp P.E.
PAVEMENT SUP

399

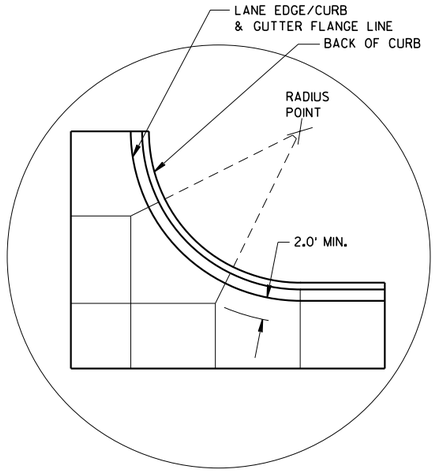
FHWA



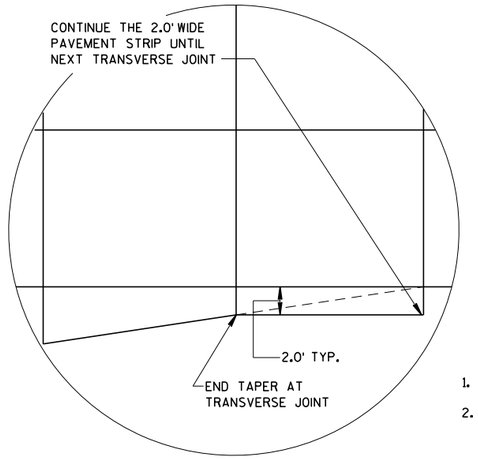
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

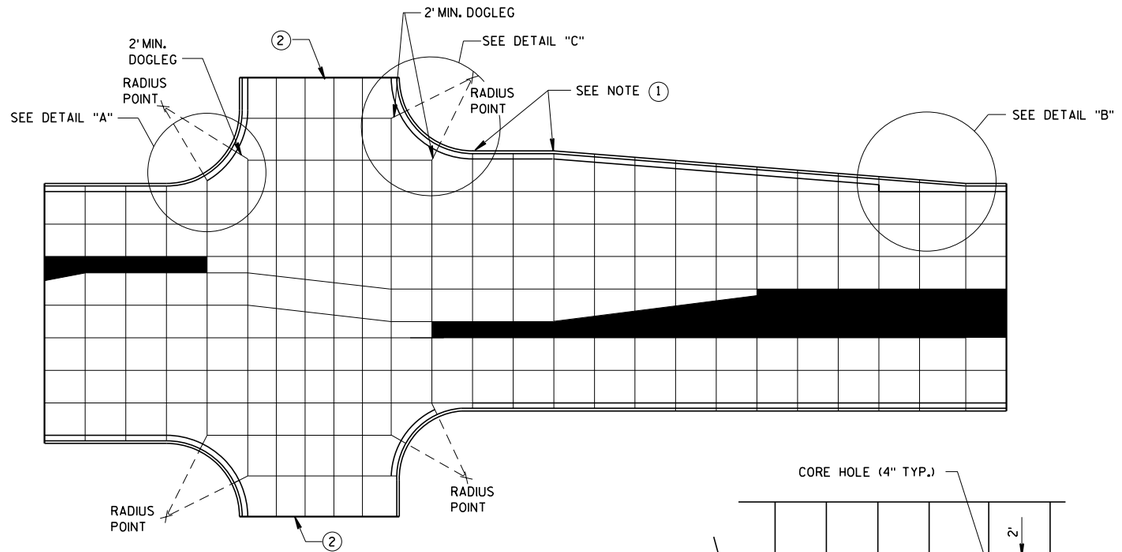
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

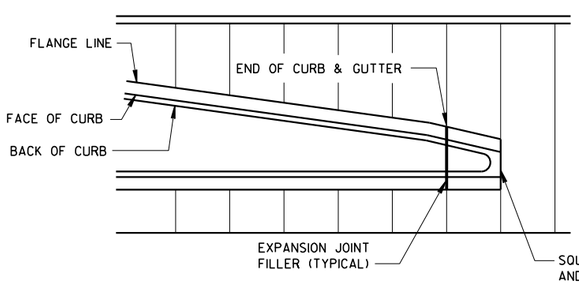


STANDARD INTERSECTION

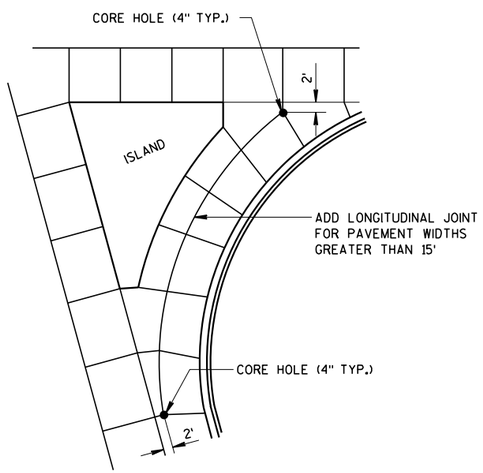
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

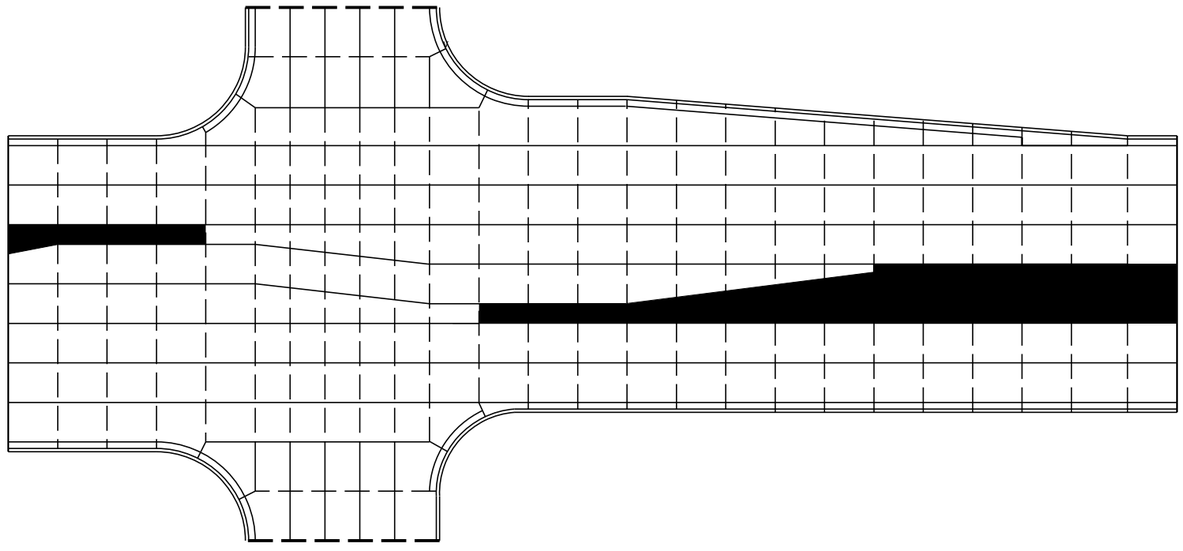
6
S.D.D. 13 C 18-6a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

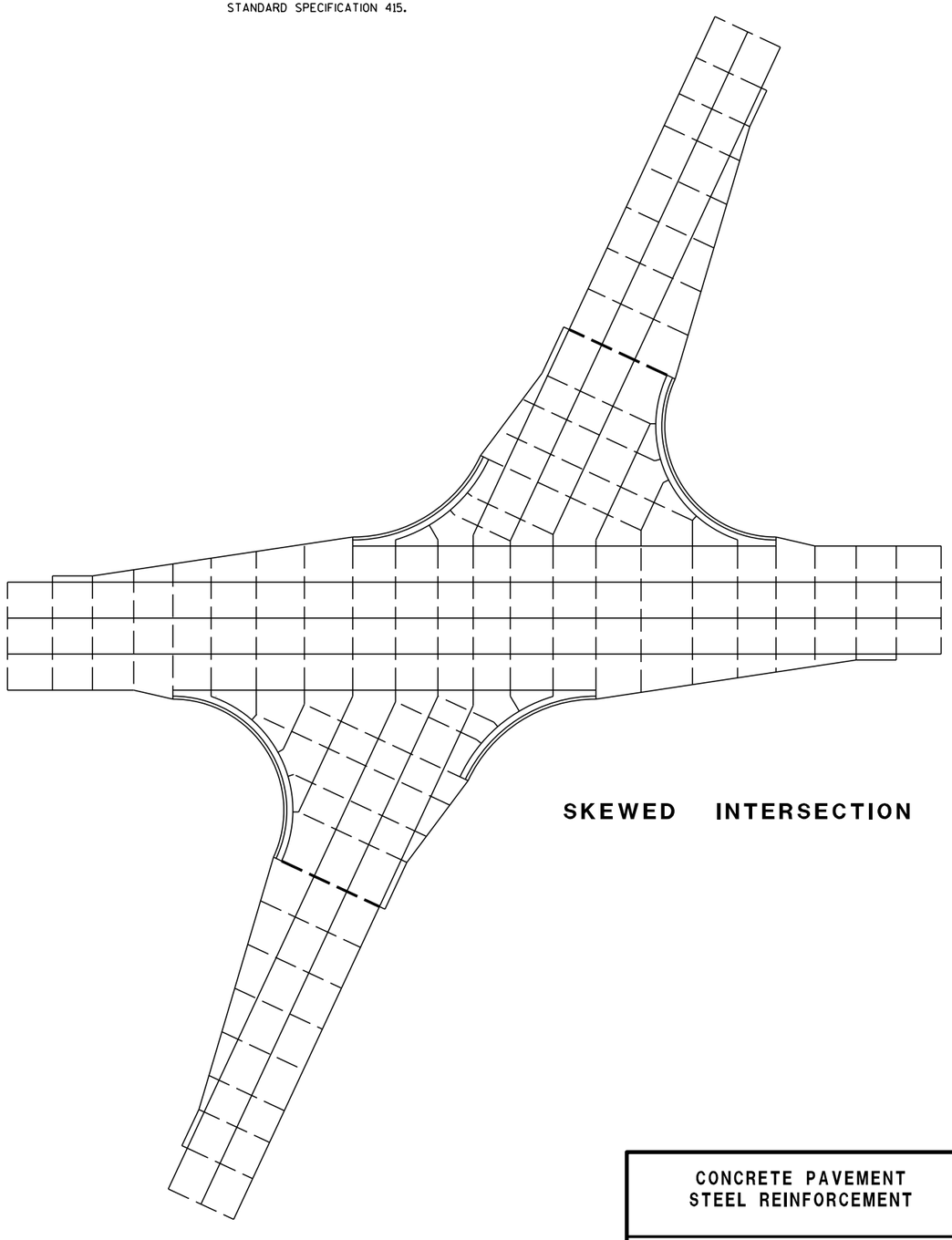
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

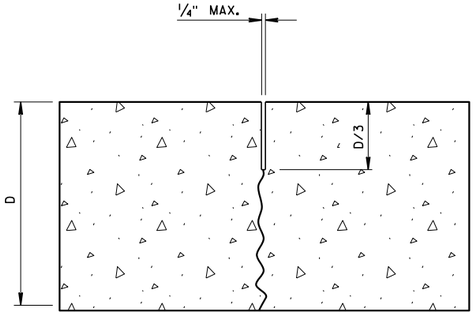
S.D.D. 13 C 18-6b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

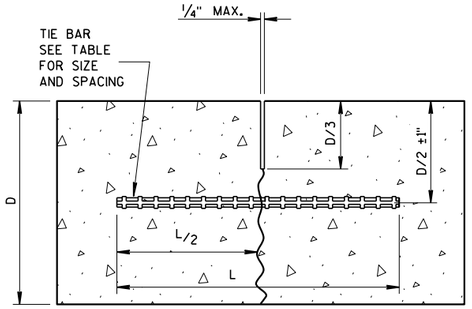
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 18-6b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

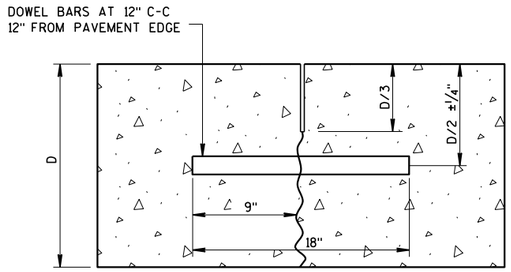
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

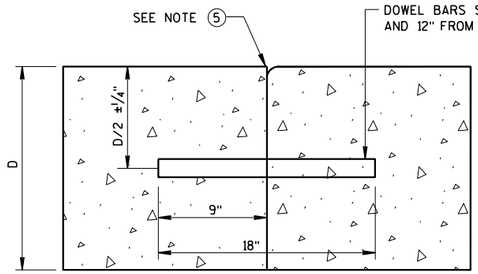
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



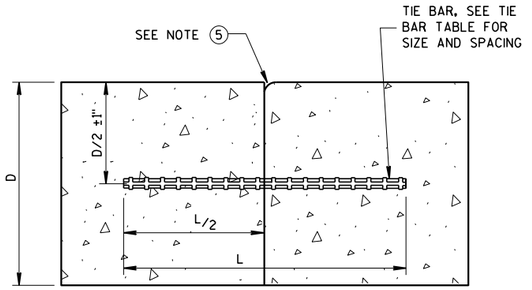
DOWELED-TRANSVERSE

CONTRACTION JOINTS

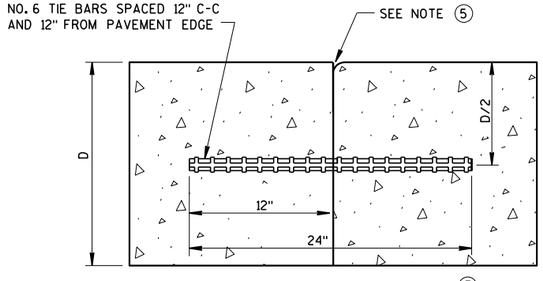
SEE NOTE (2)



DOWELED TRANSVERSE (3)

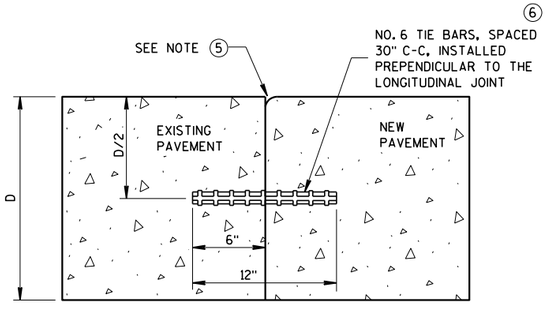


TIED LONGITUDINAL



TIED TRANSVERSE (3)

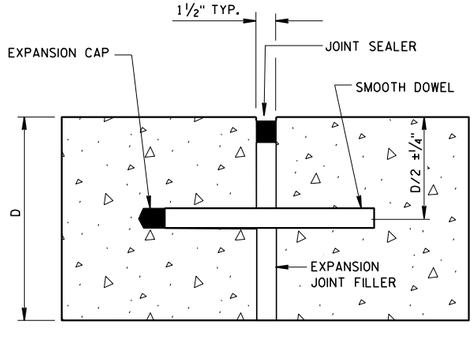
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

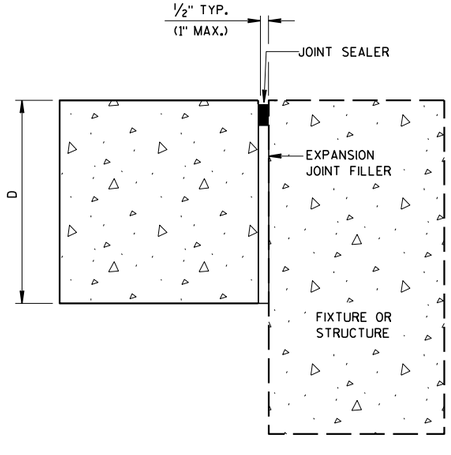
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

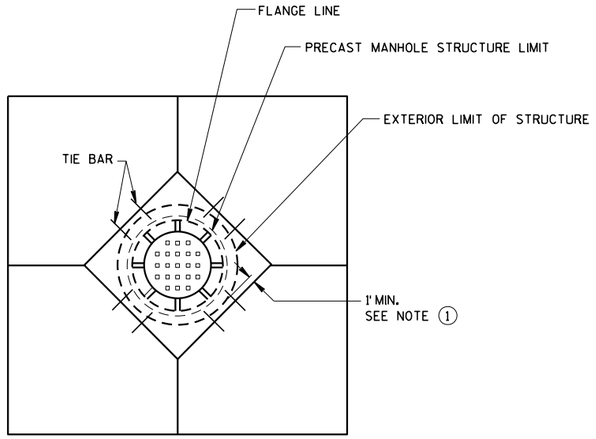
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

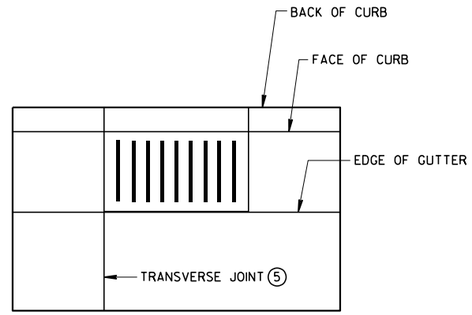
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

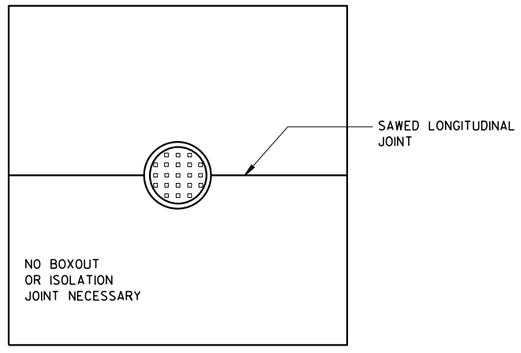
S.D.D. 13 C 18-6c



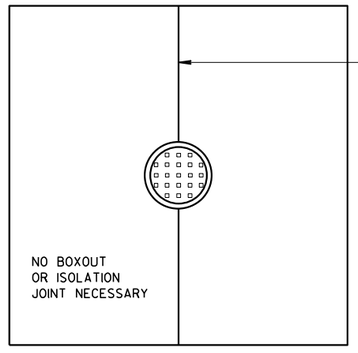
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



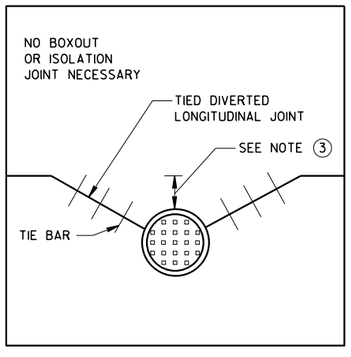
INLET WITH TRANSVERSE JOINT



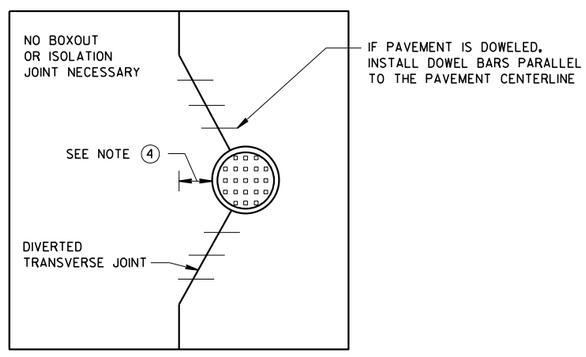
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

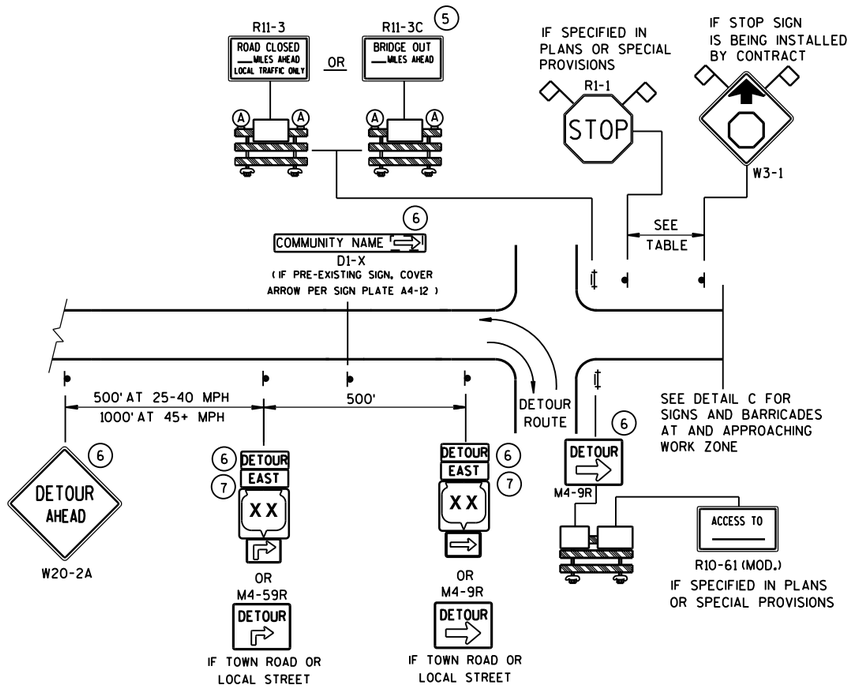
(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

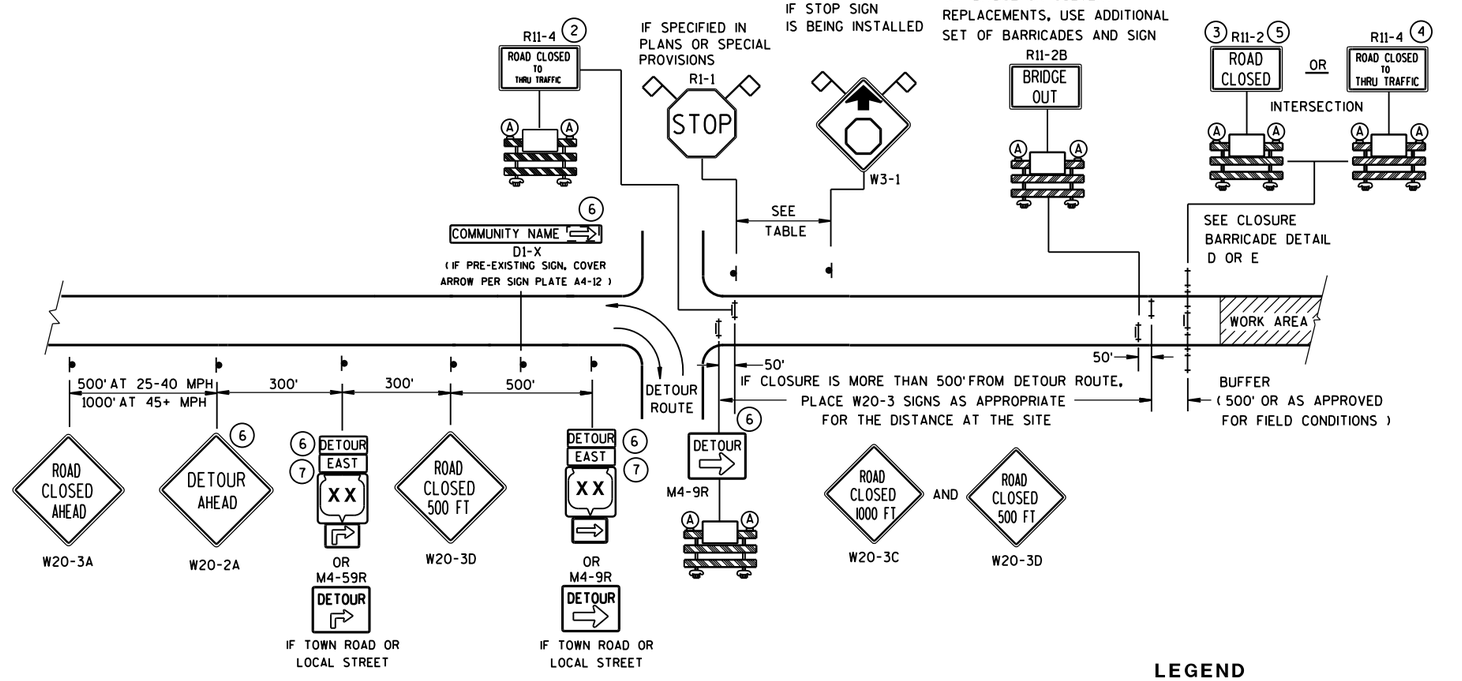
APPROVED
March 2018
DATE
/S/ Peter K[illegible] P.E.
PAVEMENT SUPT
FHWA

6
S.D.D. 13 C 18-6d



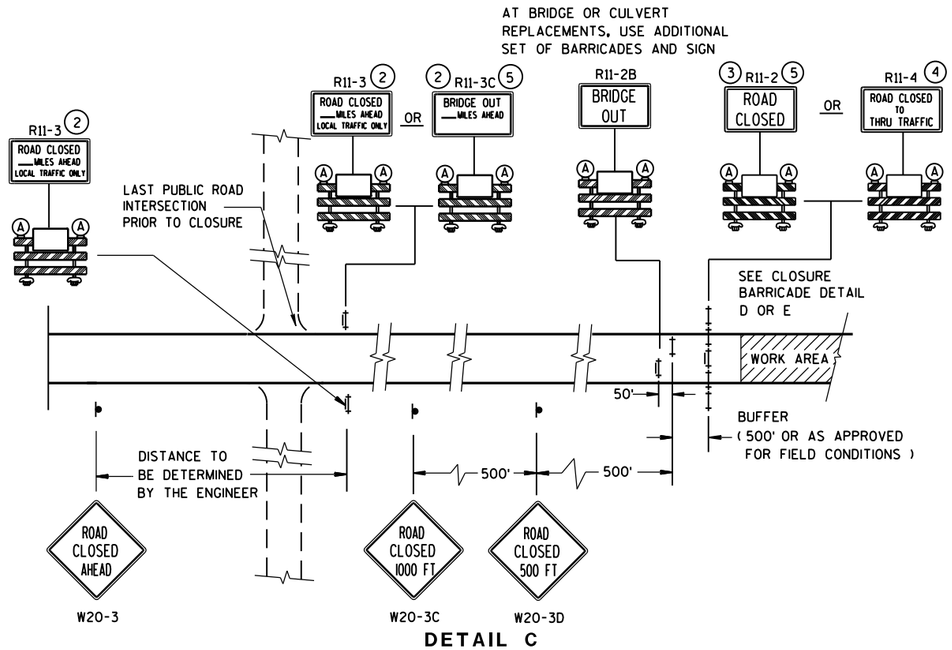
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

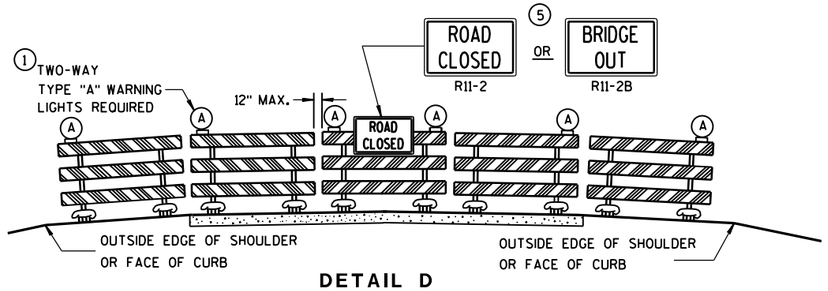
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

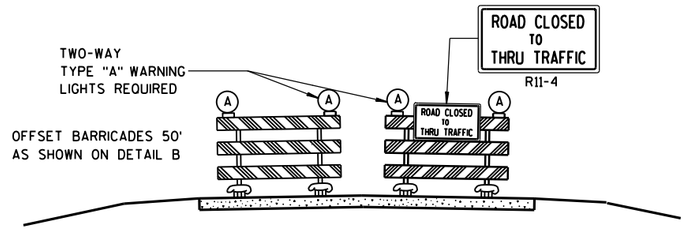
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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.

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, M4-9, R11-4 AND R10-61 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.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI
FHWA

6

S.D.D. 15 C 2-6b

6

S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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.

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

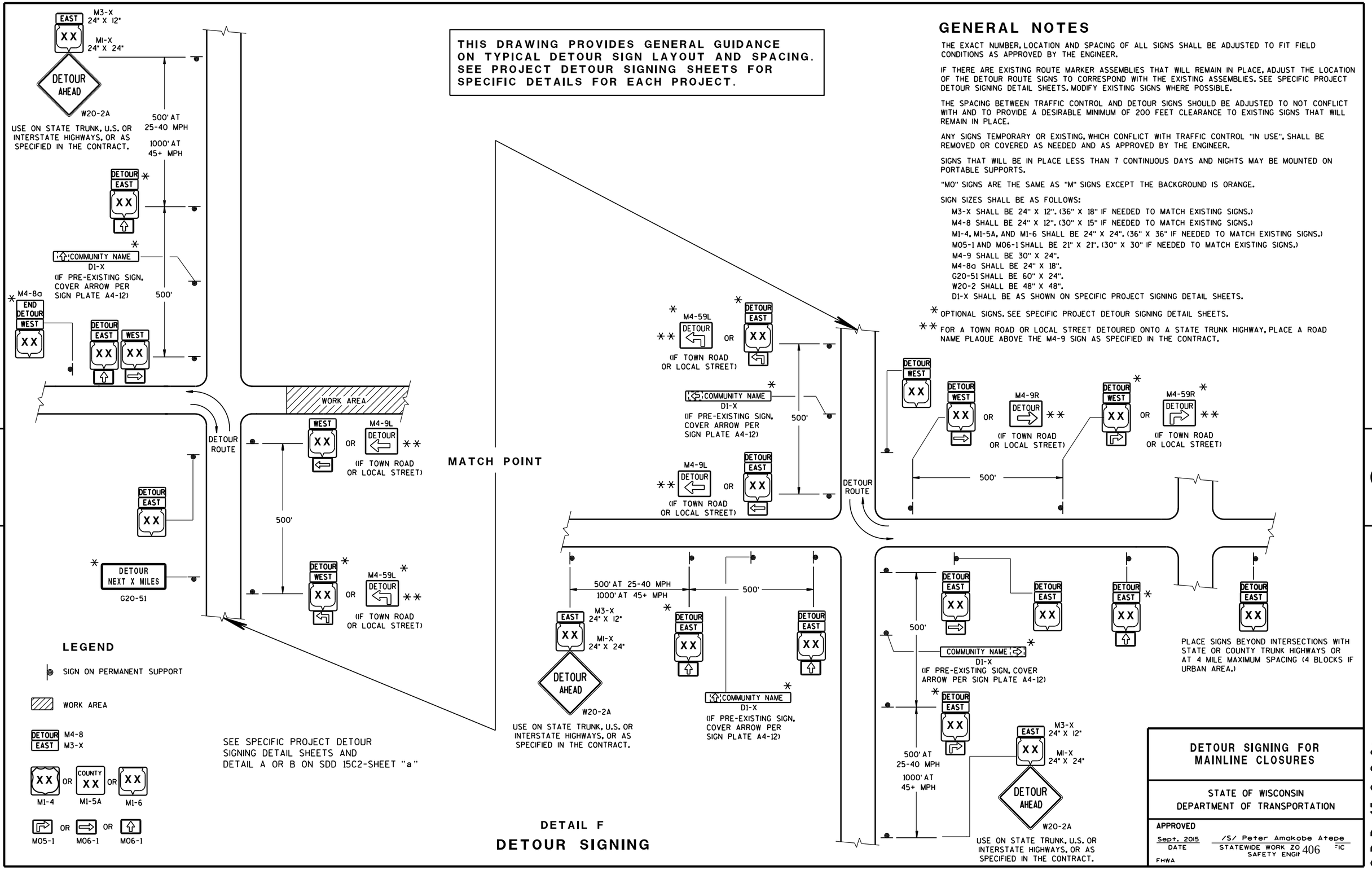
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

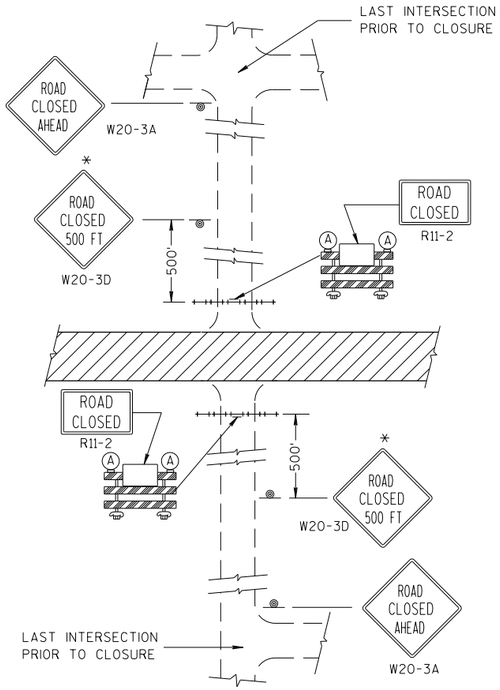
FHWA

6

S.D.D. 15 C 2-6c

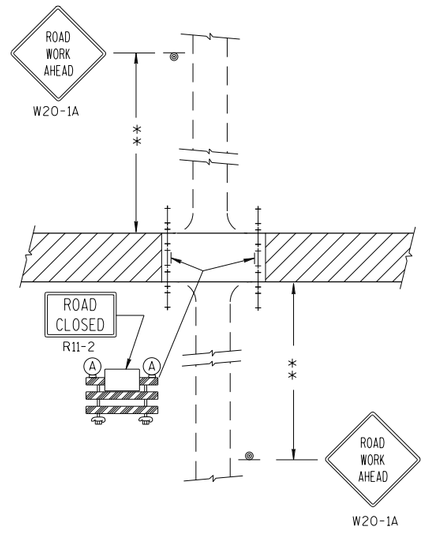
6

S.D.D. 15 C 2-6c



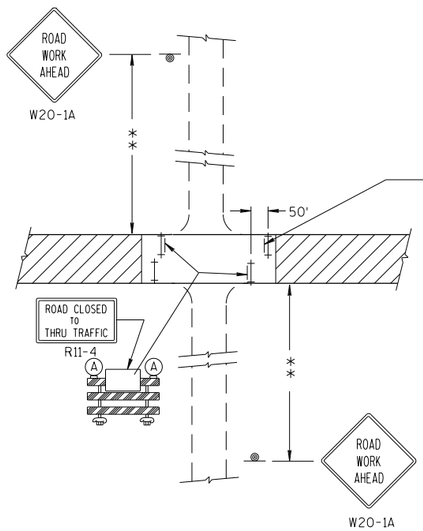
DETAIL 1

(NO ACCESS TO PROJECT)



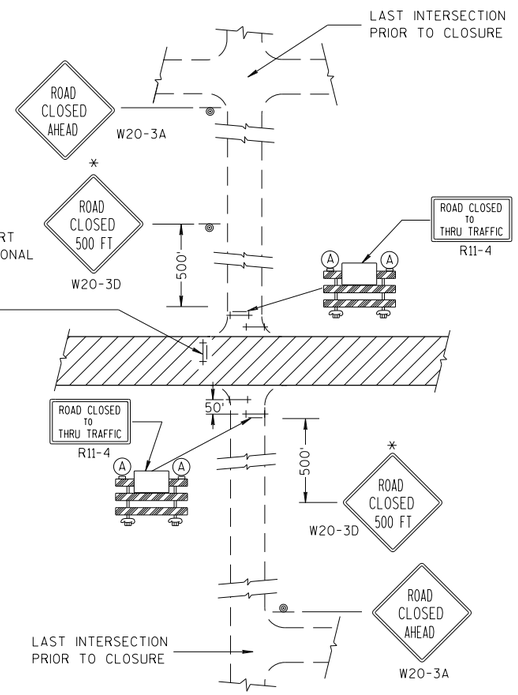
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 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)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

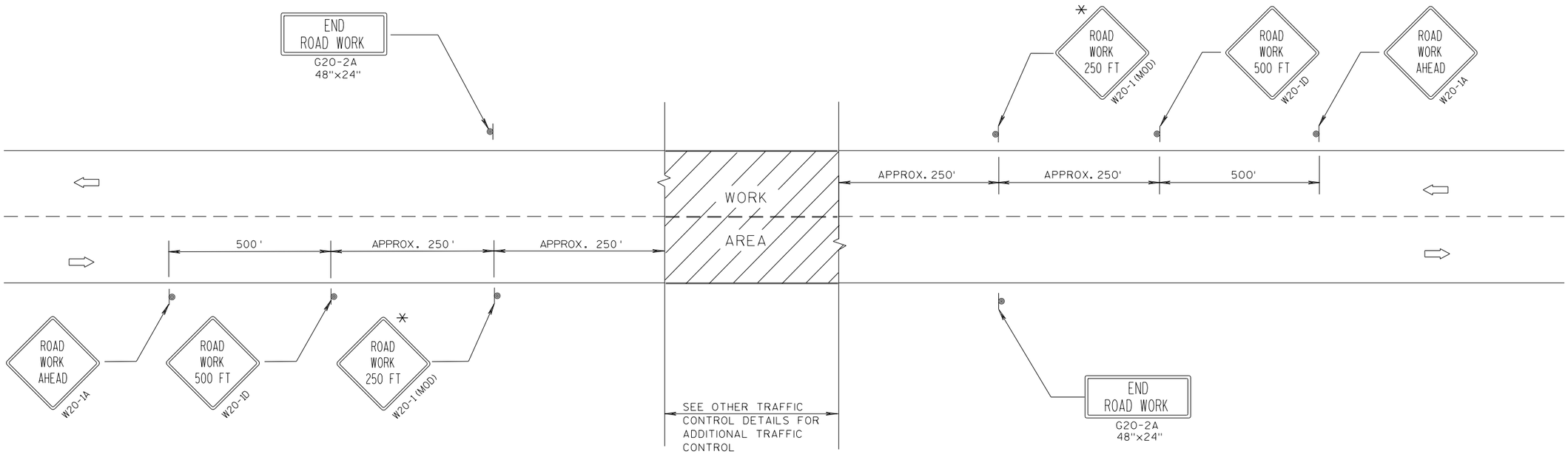
/S/ Andrew Heidtke
WORK ZONE ENGI

FHWA

6

S.D.D. 15 C 3-5

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

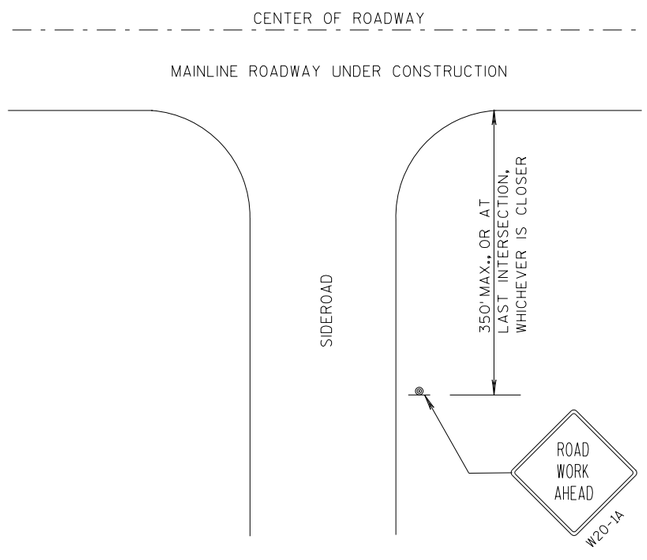
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

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

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.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENGI

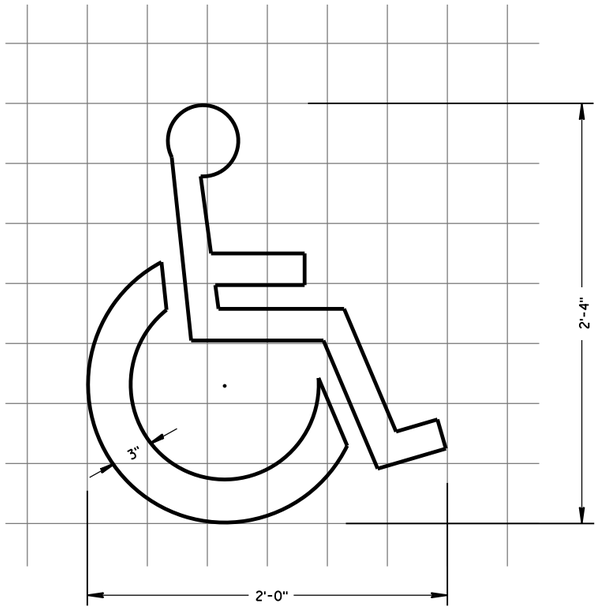
FHWA

6

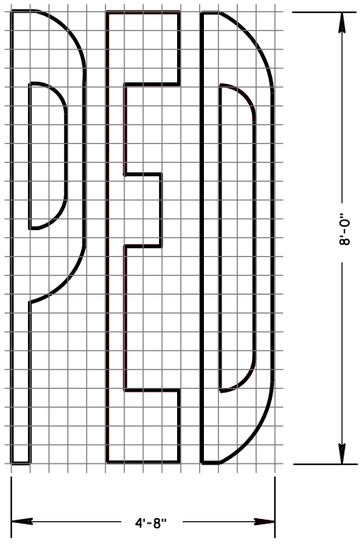
S.D.D. 15 C 5-5

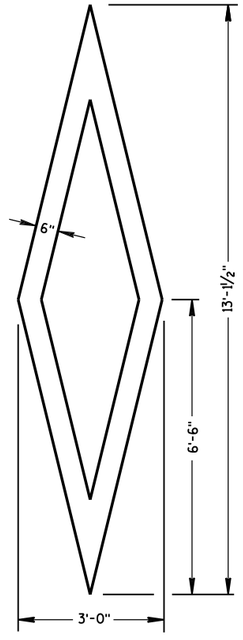
GENERAL NOTES

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



HANDICAP SYMBOL





PREFERENTIAL LANE SYMBOL

6

6

S.D.D. 15 C 7-14a

S.D.D. 15 C 7-14a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

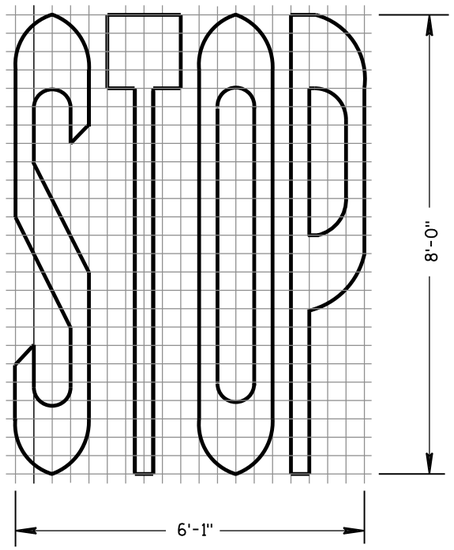
June 2017 — DATE

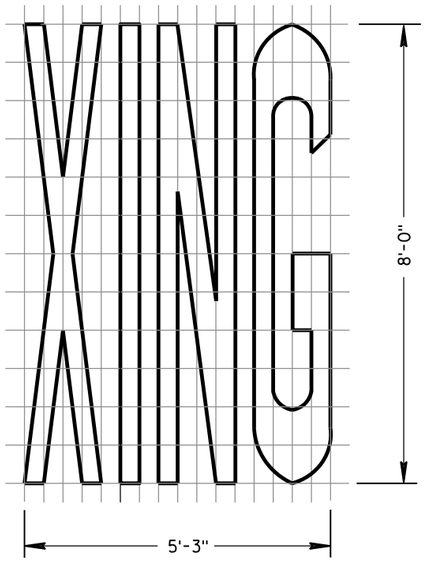
/S/ Matthew R. Rauch — STATE SIGNING AND MARK EER

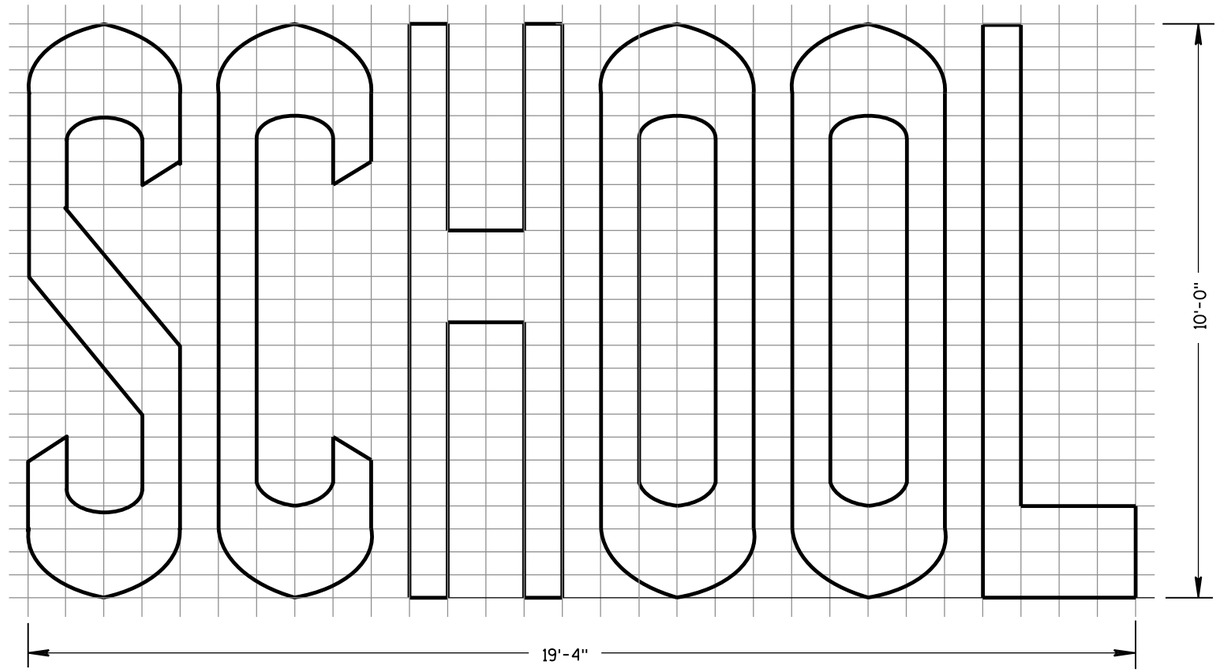
FHWA

GENERAL NOTES

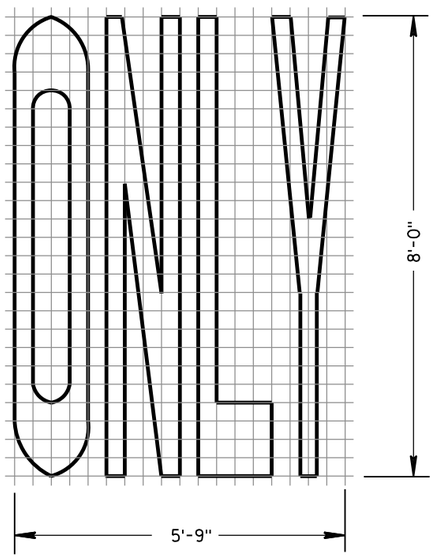
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

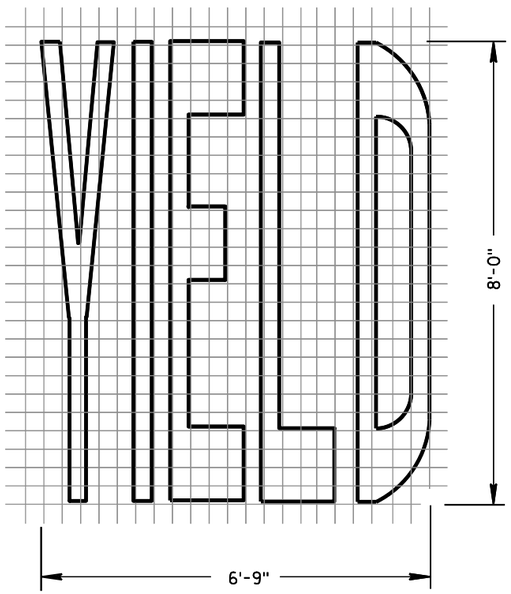


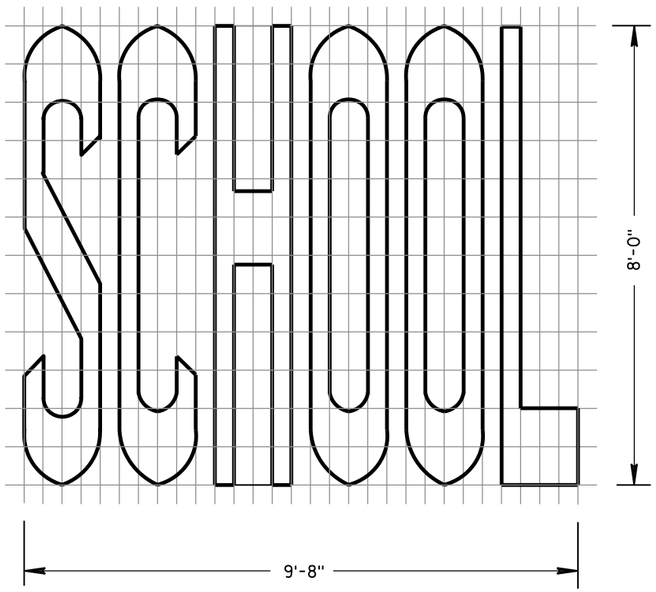




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

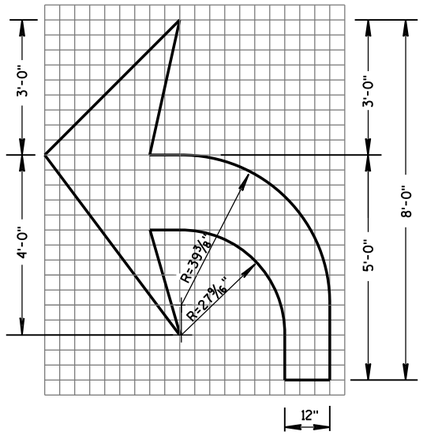
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
410
EER
FHWA

6

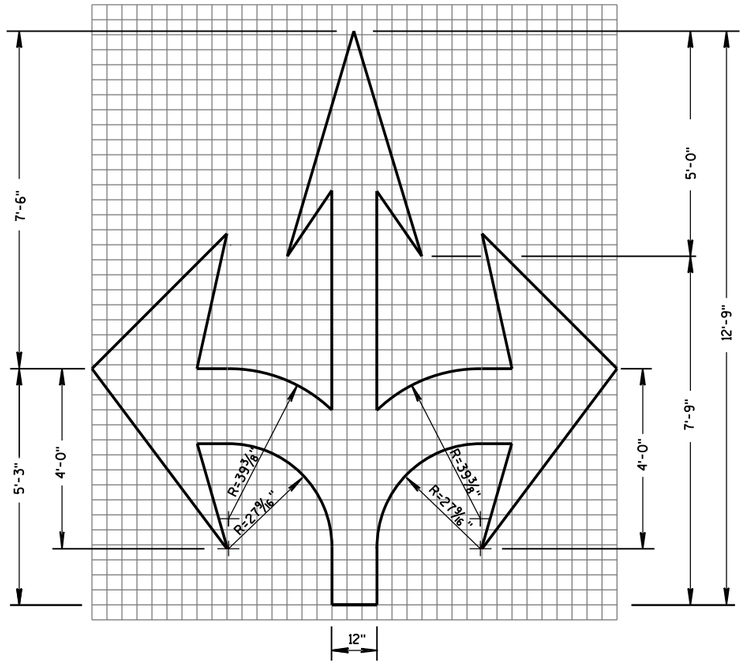
S.D.D. 15 C 7-14b

GENERAL NOTES

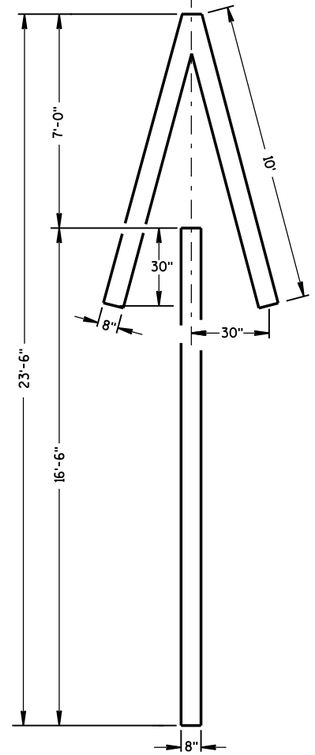
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



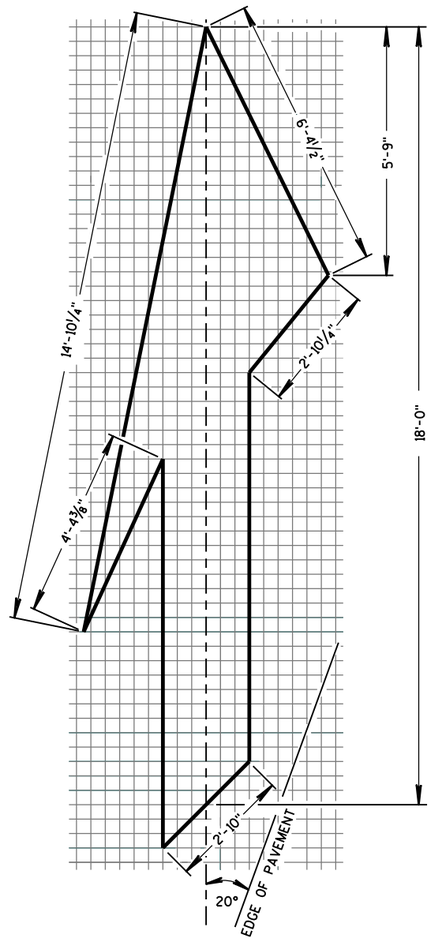
TYPE 2



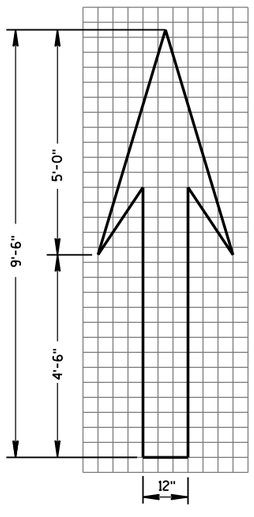
TYPE 6



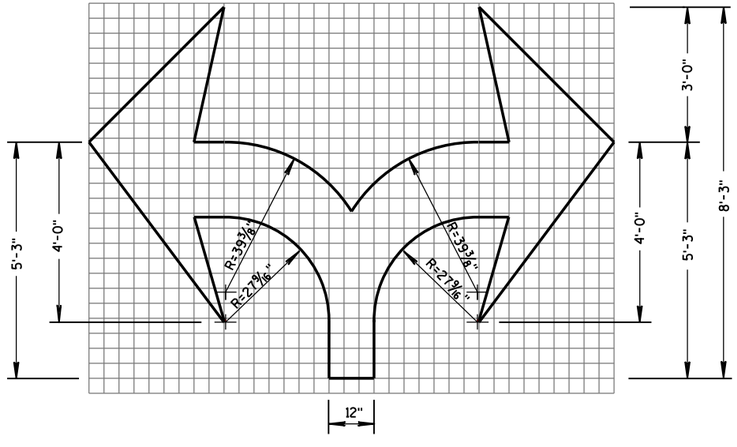
TYPE 4



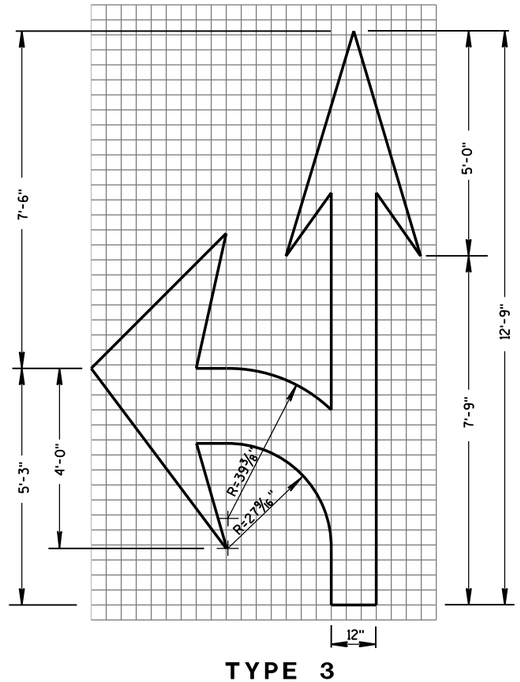
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

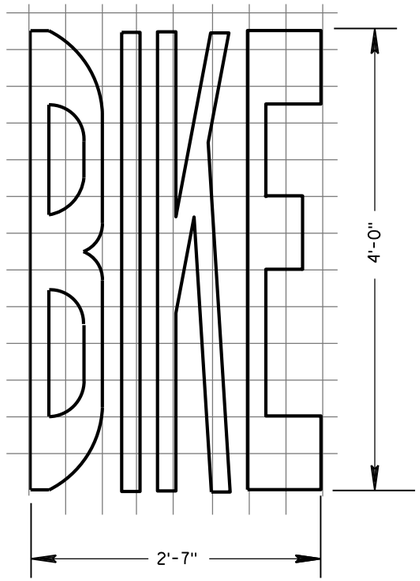
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER
FHWA

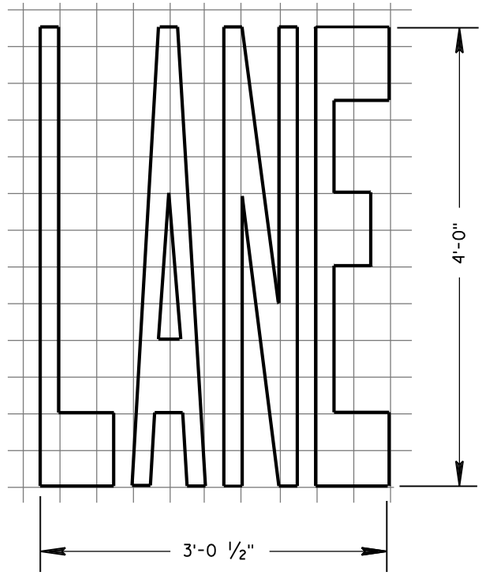
6

S.D.D. 15 C 7-14c

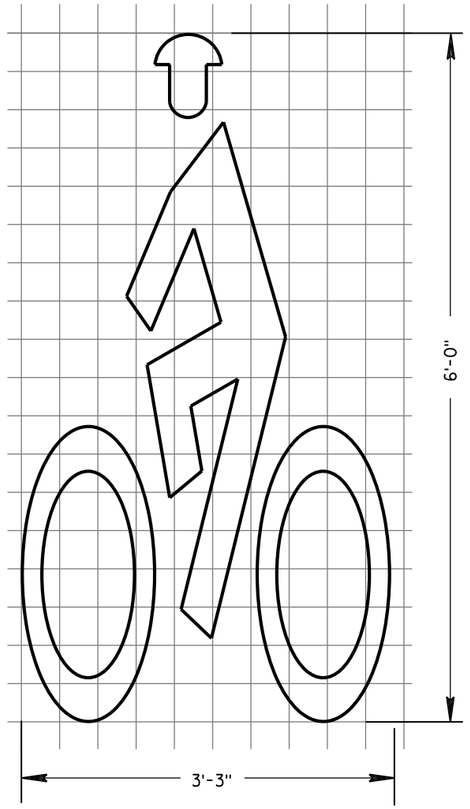
6

S.D.D. 15 C 7-14c

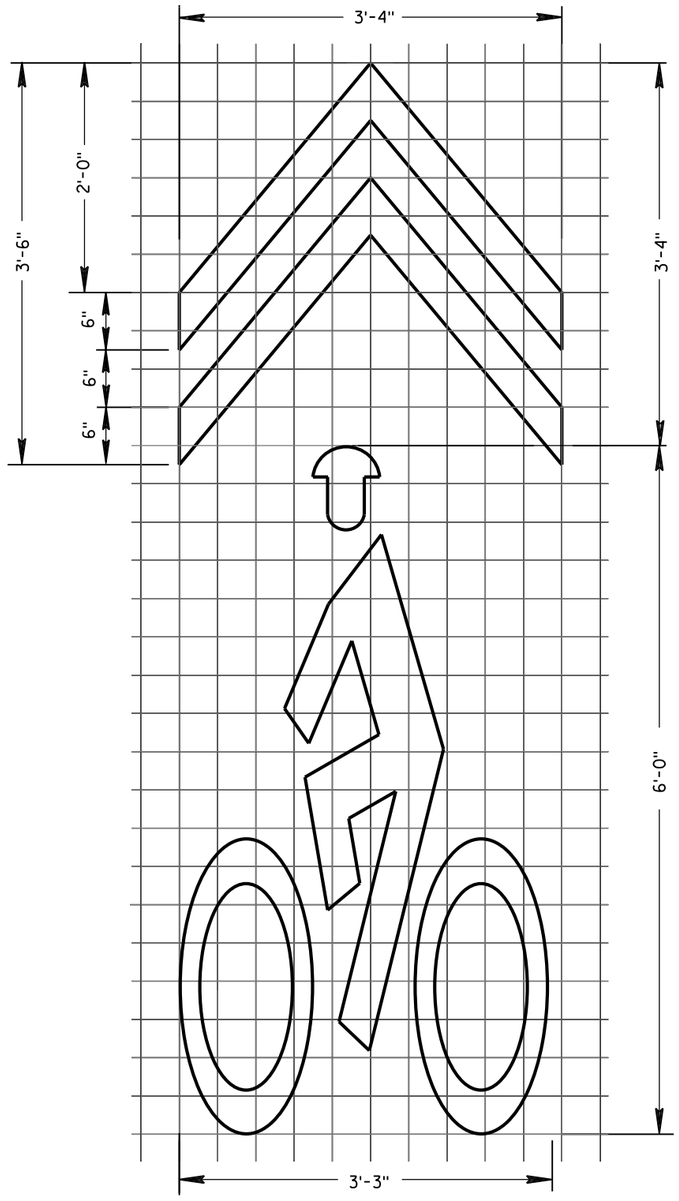




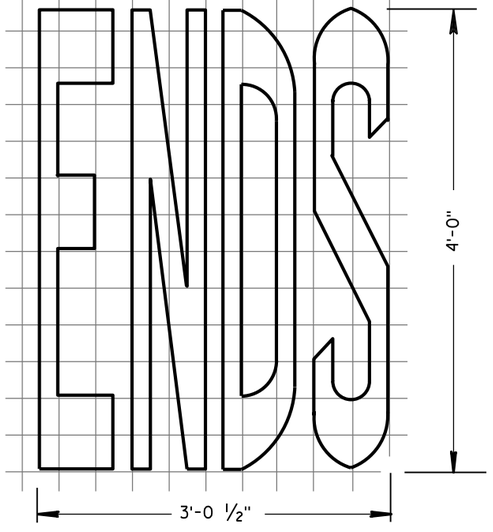
BIKE LANE WORDS



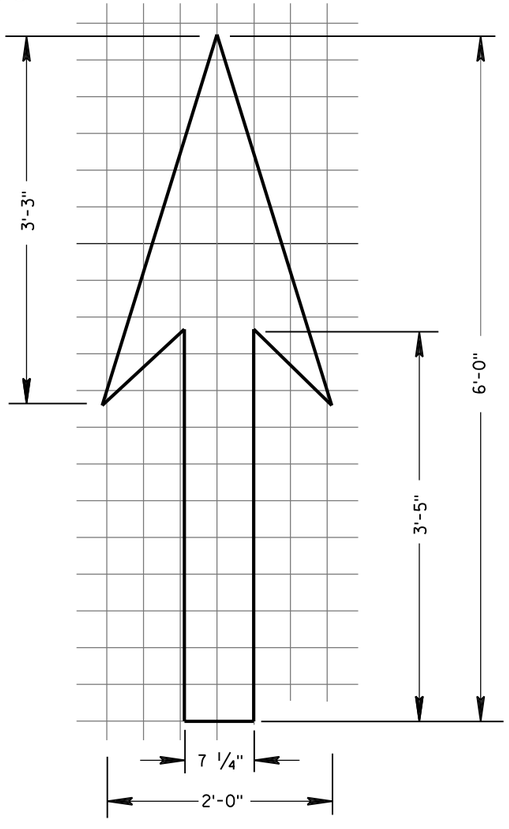
BIKE LANE SYMBOL



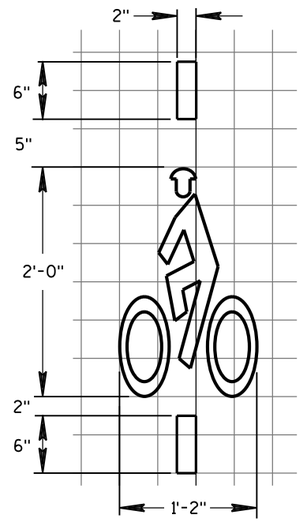
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

GENERAL NOTES

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

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

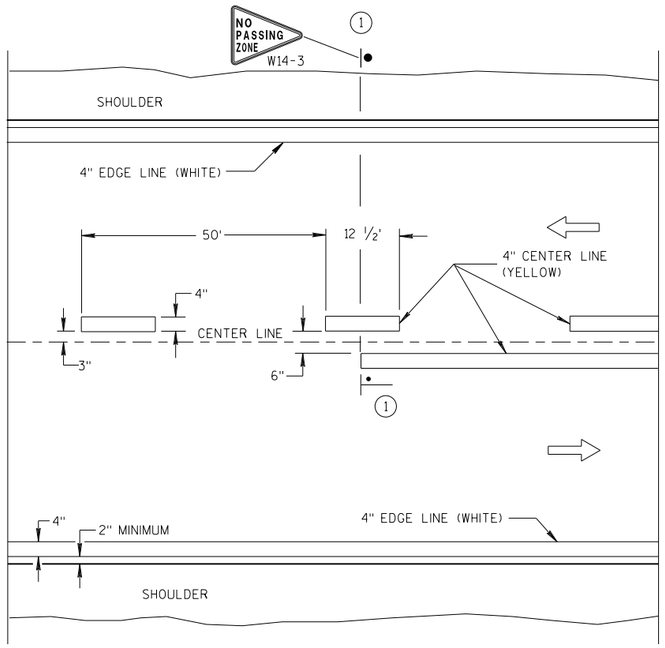
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

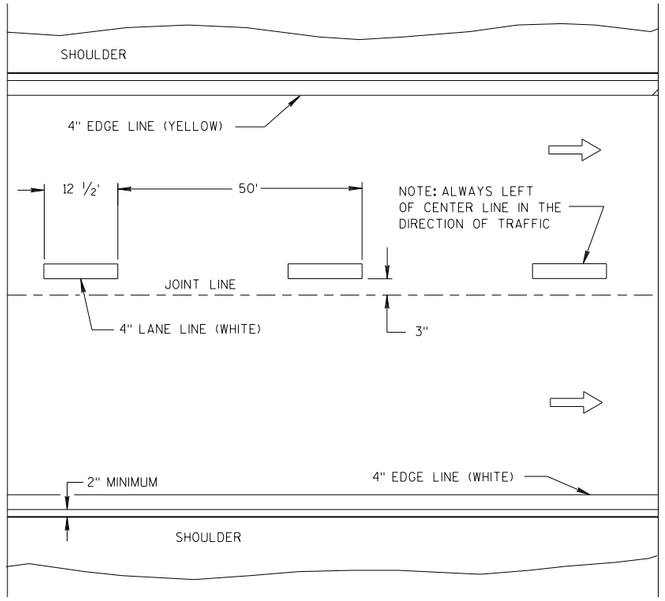
S.D.D. 15 C 7-14e

6

S.D.D. 15 C 7-14e



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

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

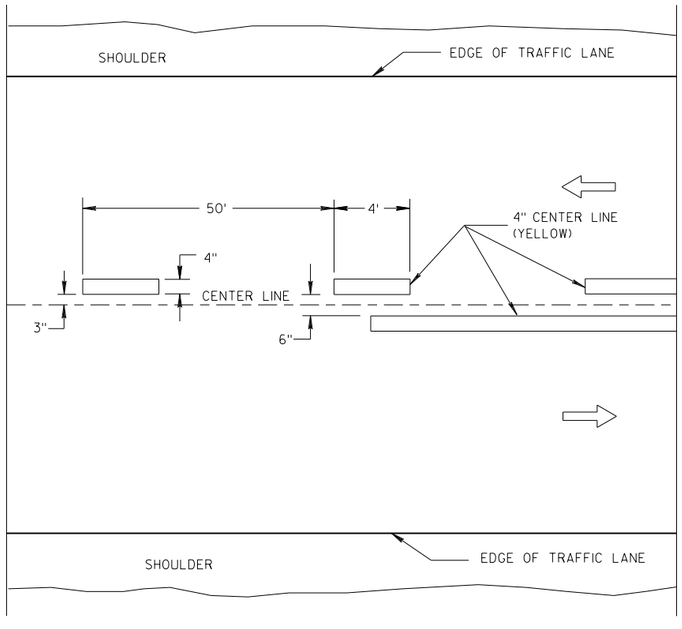
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

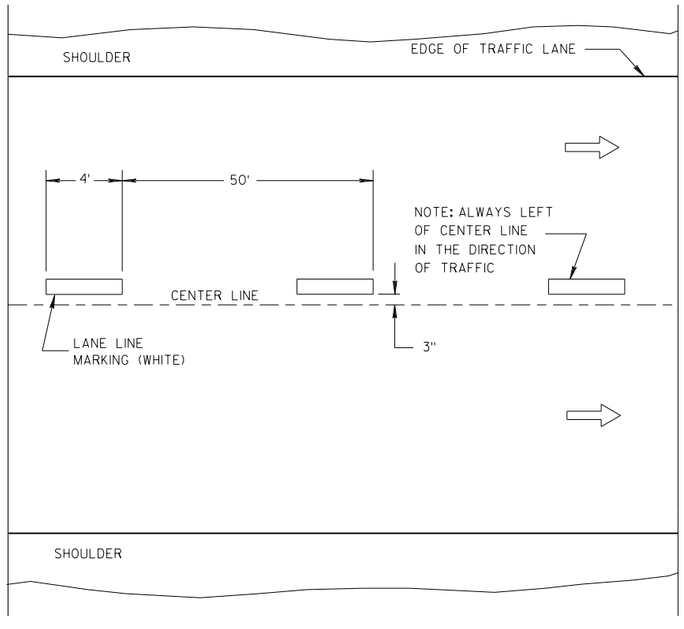
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

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

FHWA

6

S.D.D. 15 C 8-19a

6

S.D.D. 15 C 8-19a

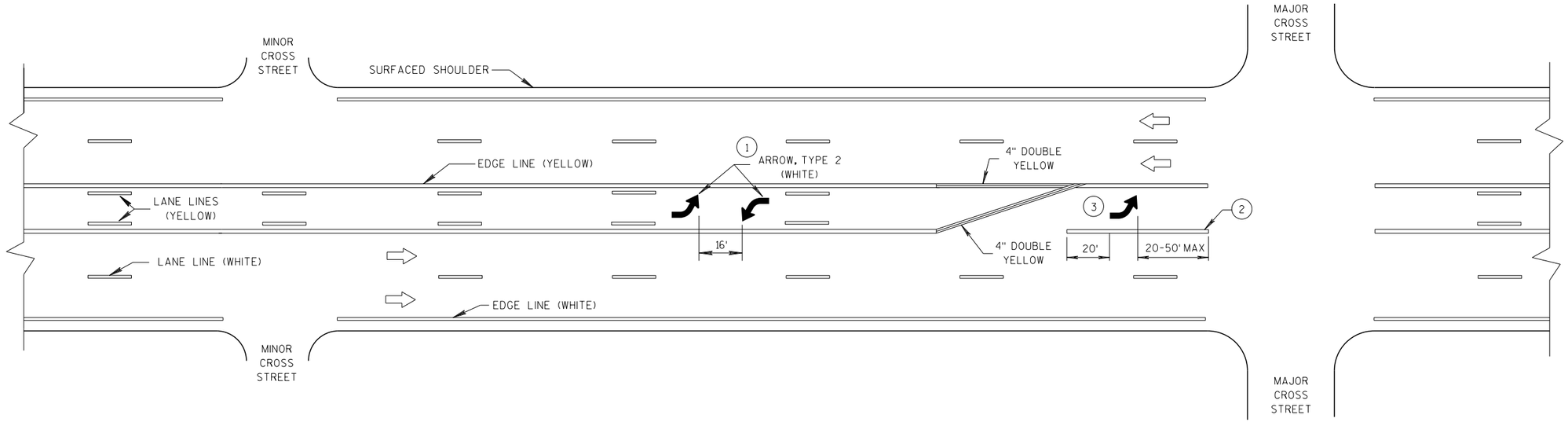
GENERAL NOTES

(1) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(2) 8" WHITE

(3) TURN BAY LENGTH OF LESS THAN 48'DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT

DIRECTION OF TRAFFIC



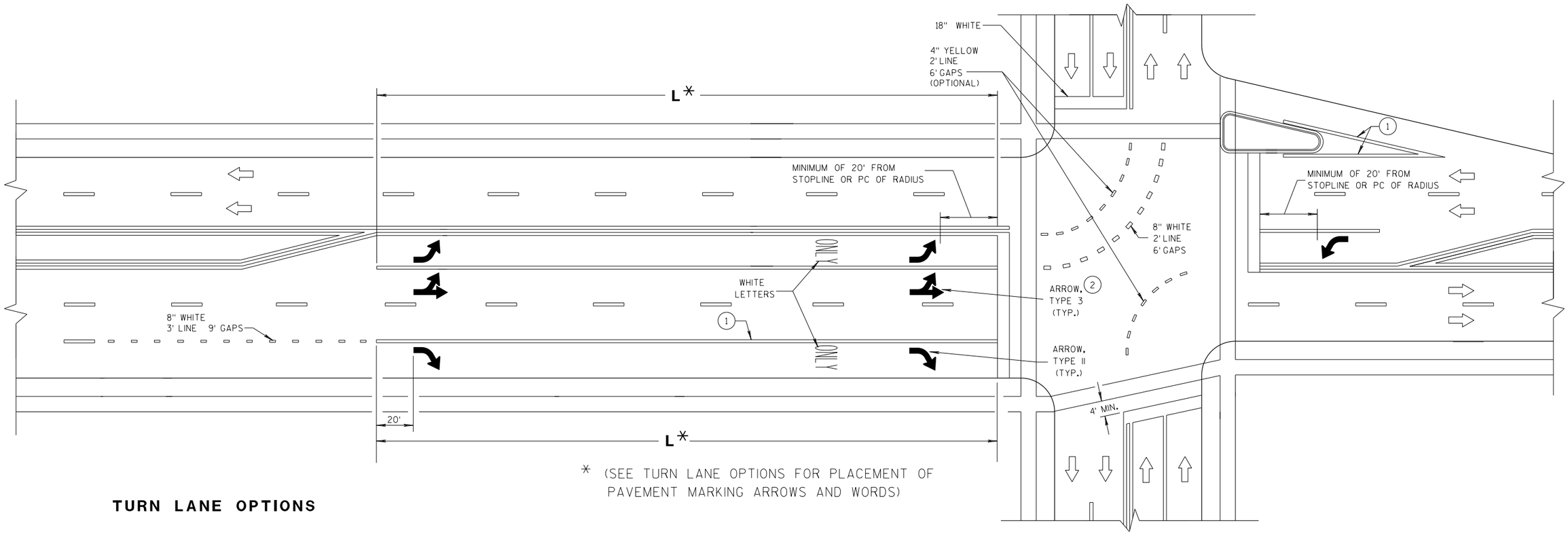
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

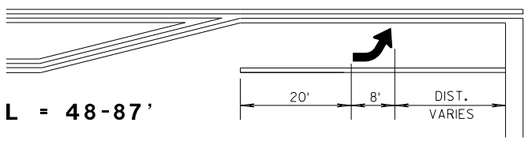
S.D.D. 15 C 8-19b



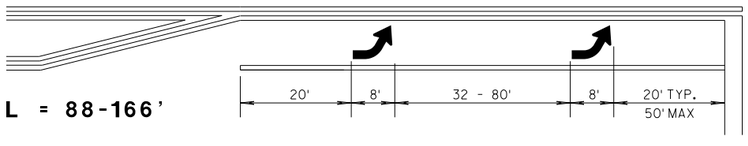
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

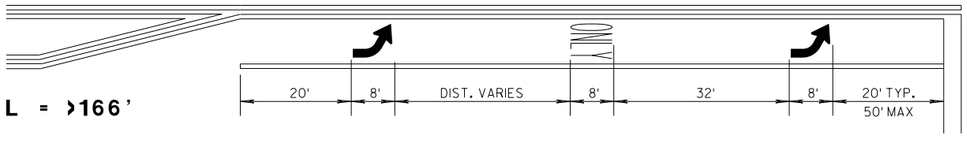
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

⇨ DIRECTION OF TRAFFIC

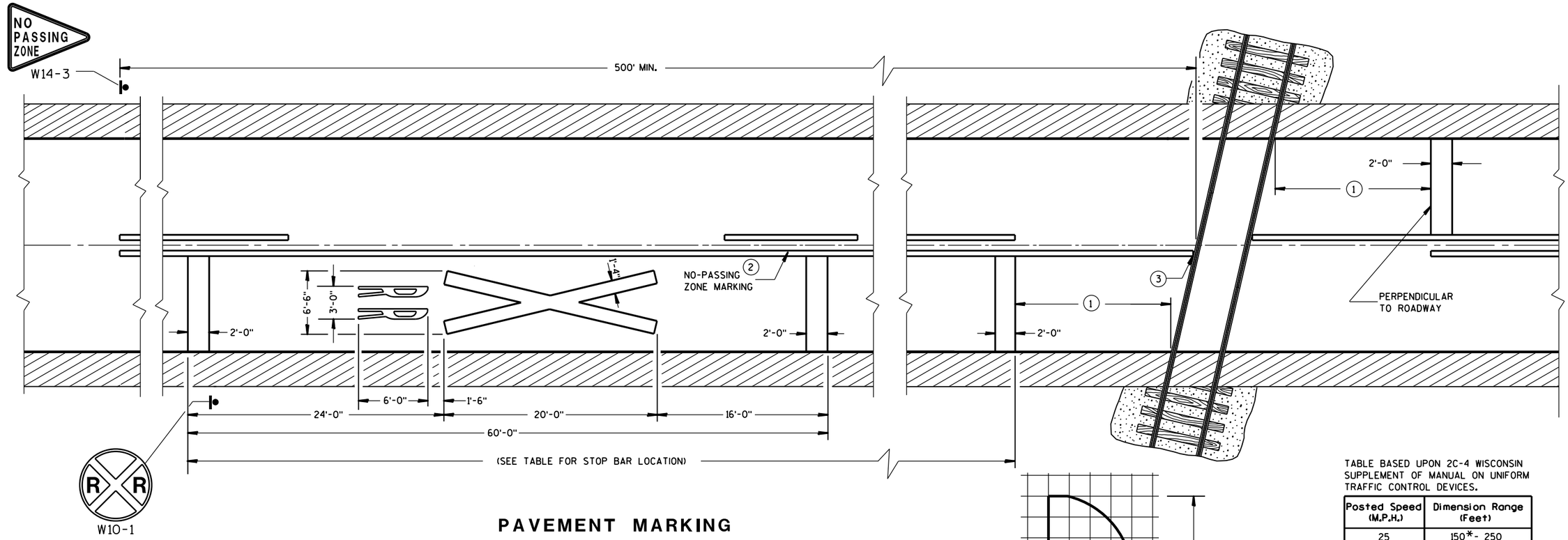
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORT

6

S.D.D. 15 C 8-19c



PAVEMENT MARKING

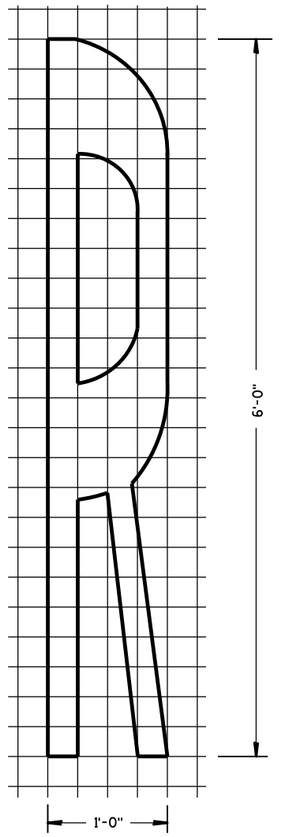


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

GENERAL NOTES

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.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAI[illegible]GINEER

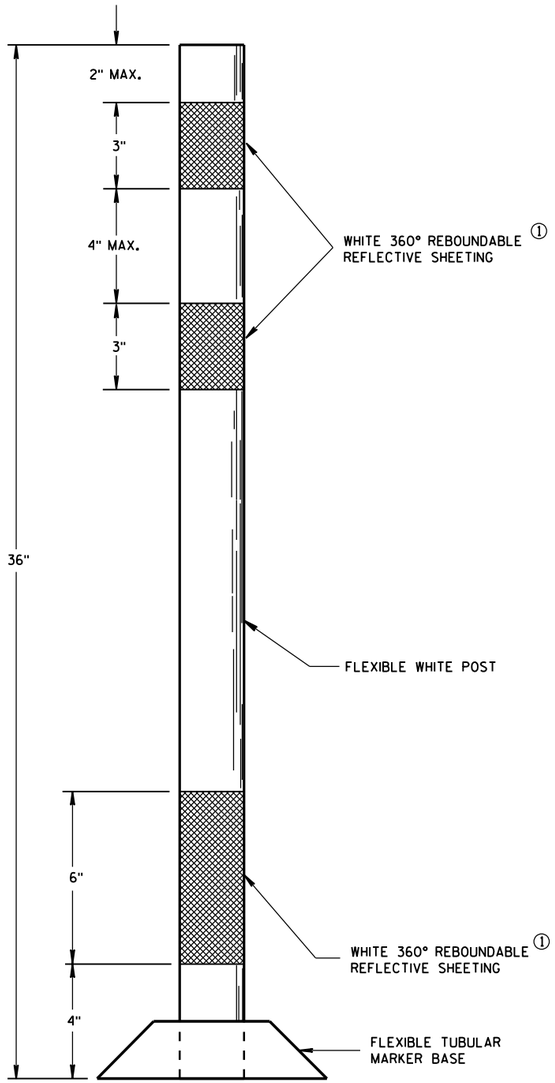
FHWA

6

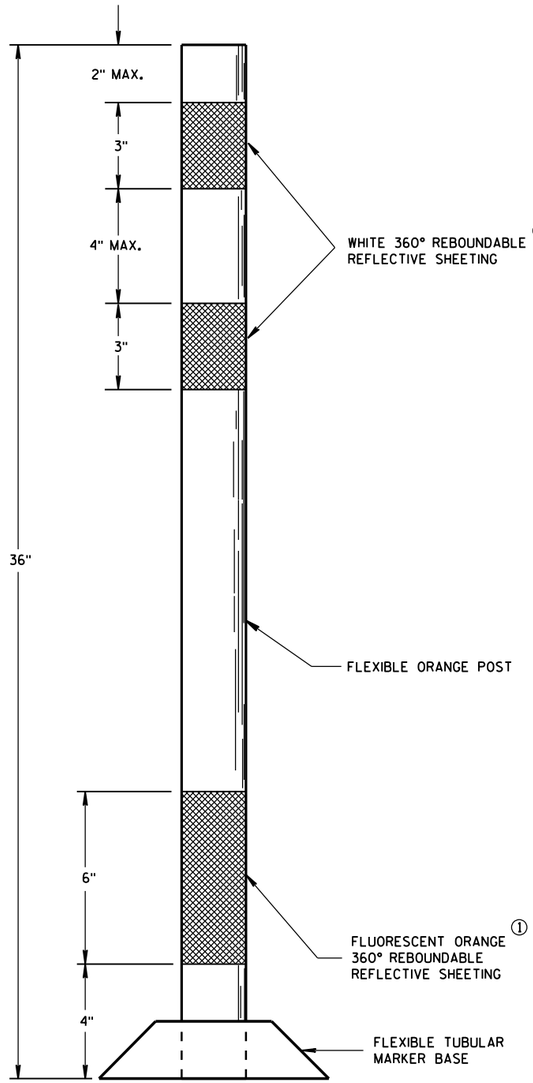
S.D.D. 15 C 9-11a

6

S.D.D. 15 C 9-11a



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

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

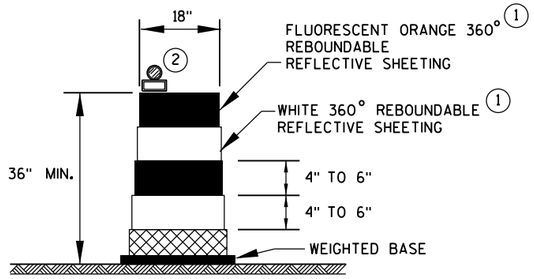
CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

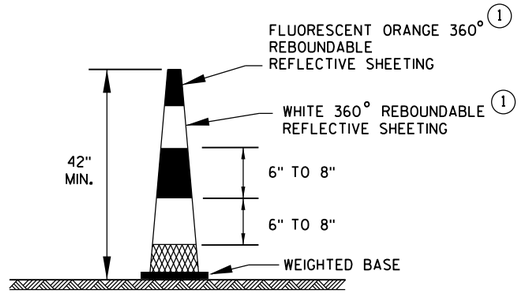
APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGR
FHWA

6

S.D.D. 15 C 11-7a



DRUM

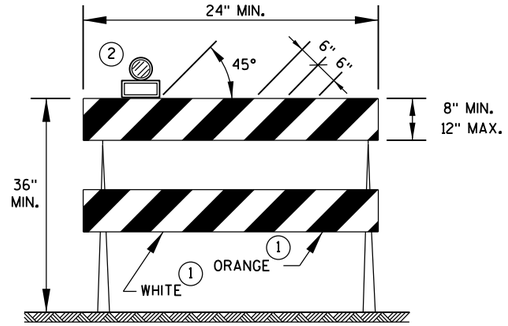


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

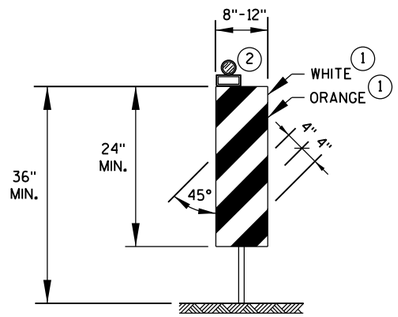
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



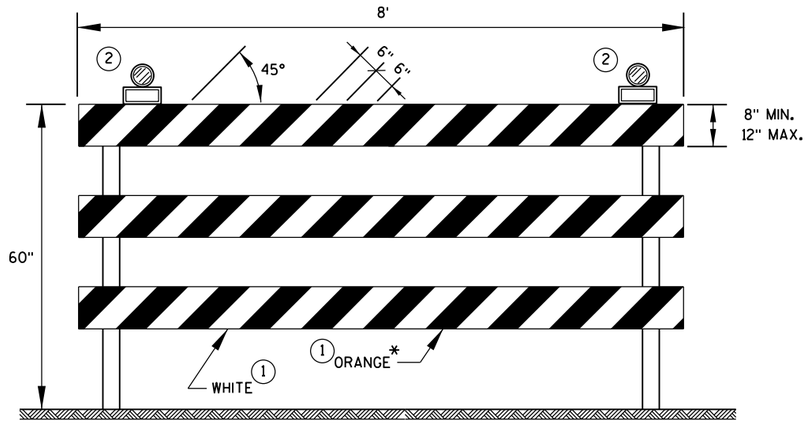
TYPE 2 BARRICADE

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



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

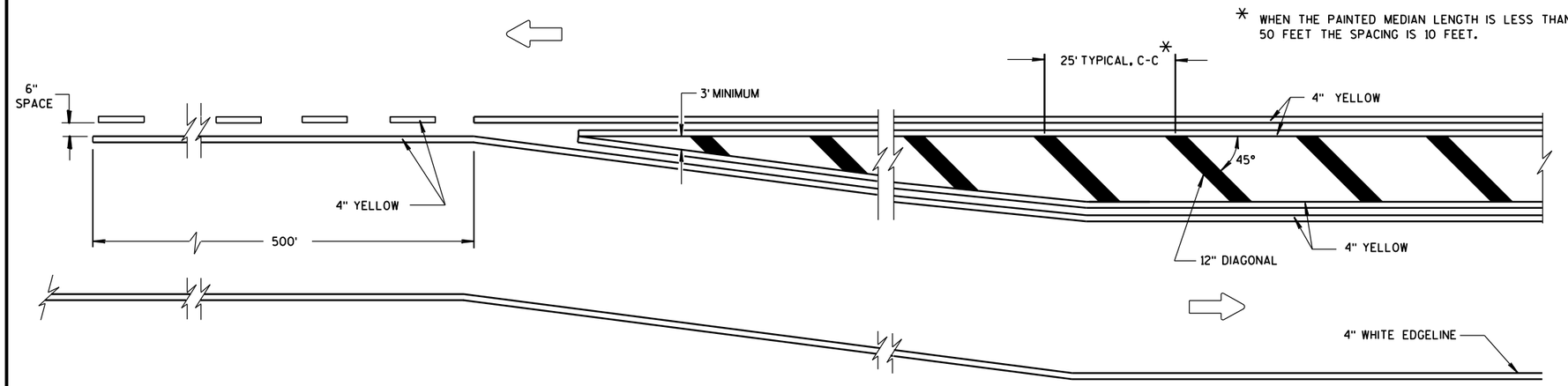
June 2017 — DATE

/S/ Andrew Heidtke — WORK ZONE ENG

FHWA

6

S.D.D. 15 C 11-7b

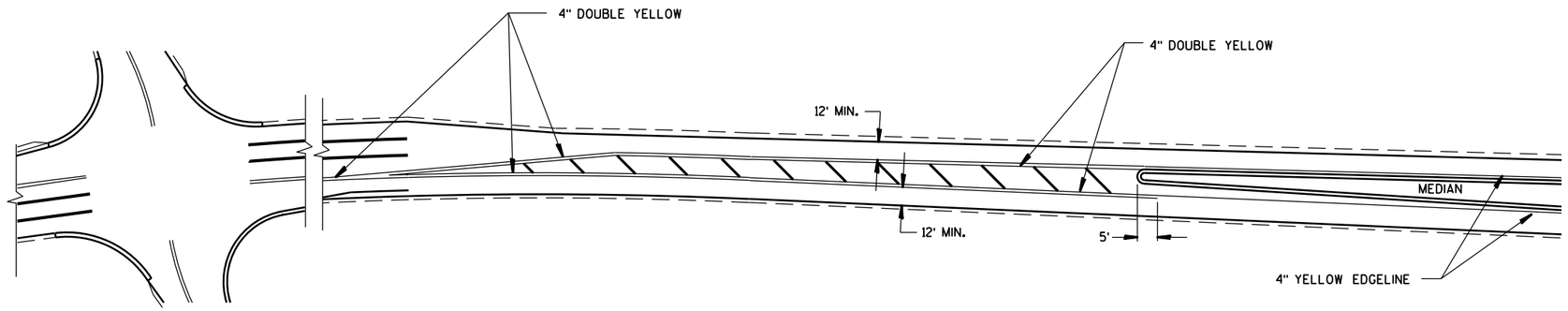


MEDIAN ISLAND DETAIL

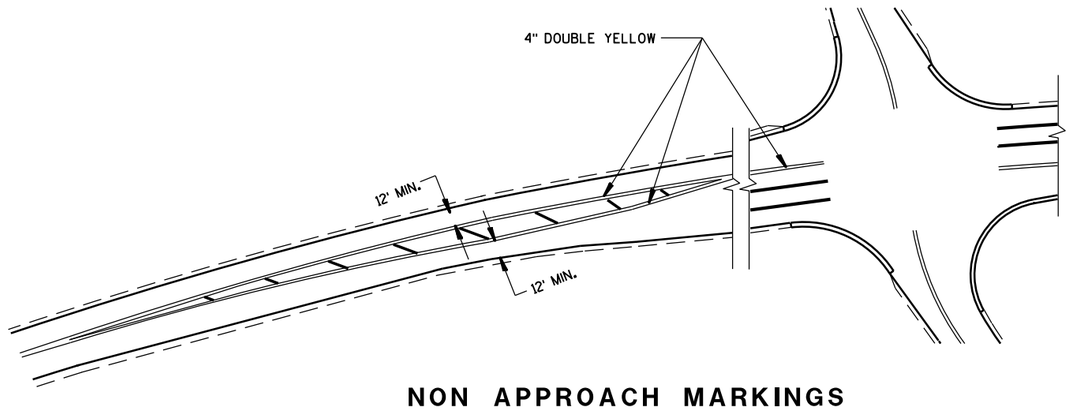
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE FHWA	/S/ Matthew Rauch STATE SIGNING AND MARK 419 EER

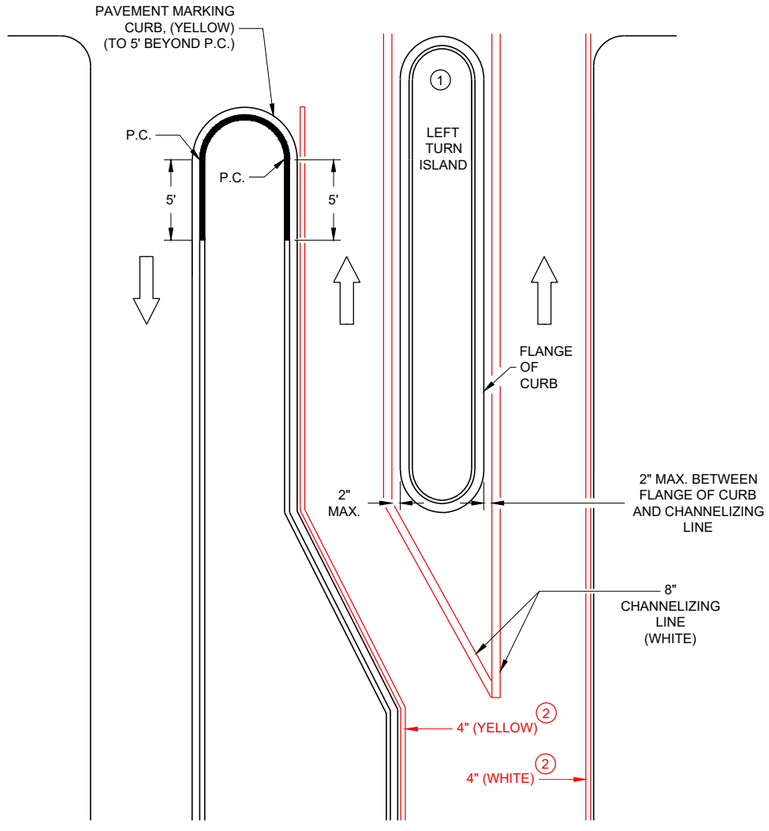
6

S.D.D. 15 C 18-4

6

S.D.D. 15 C 18-4

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

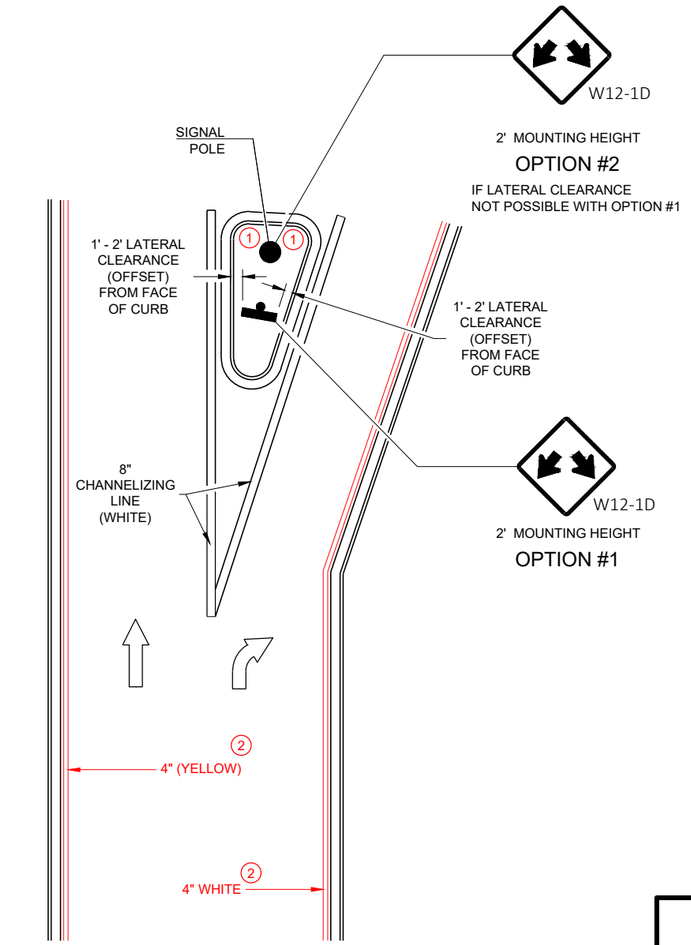
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

DOUBLE ARROW
WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

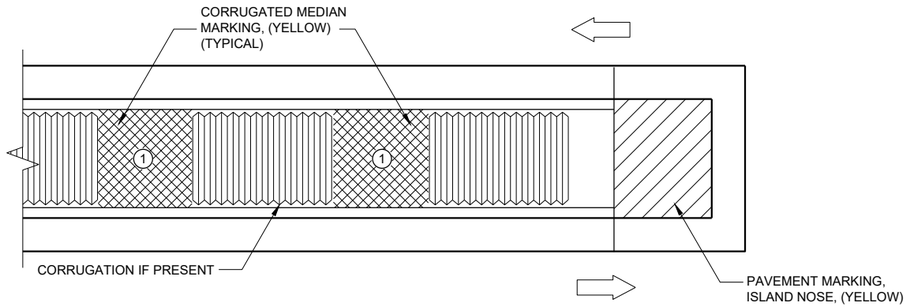
APPROVED
7/2018
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

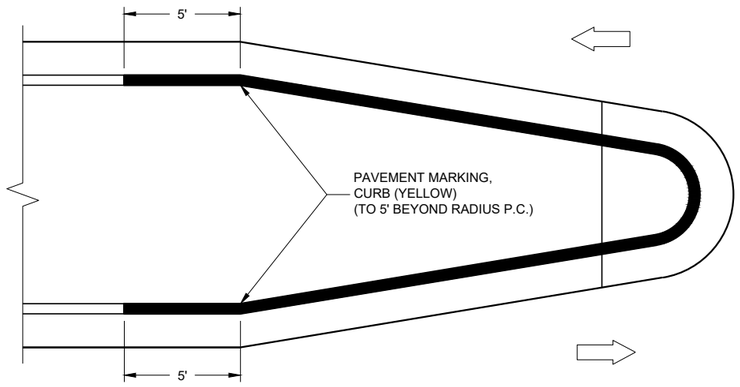
420

6

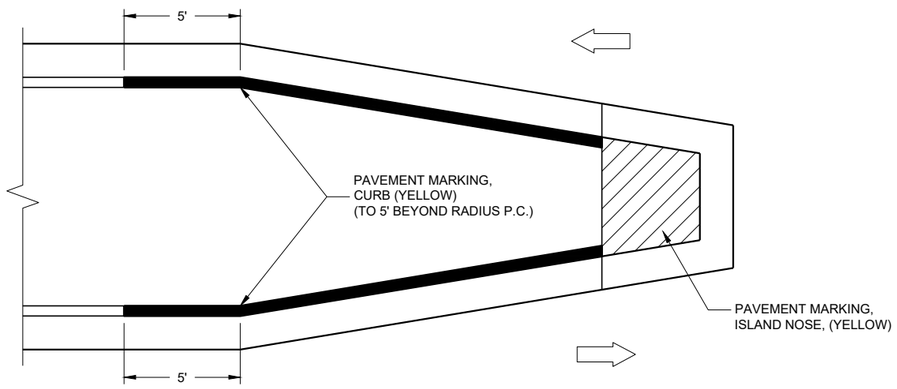
SDD 15C27 - 03a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

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

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

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

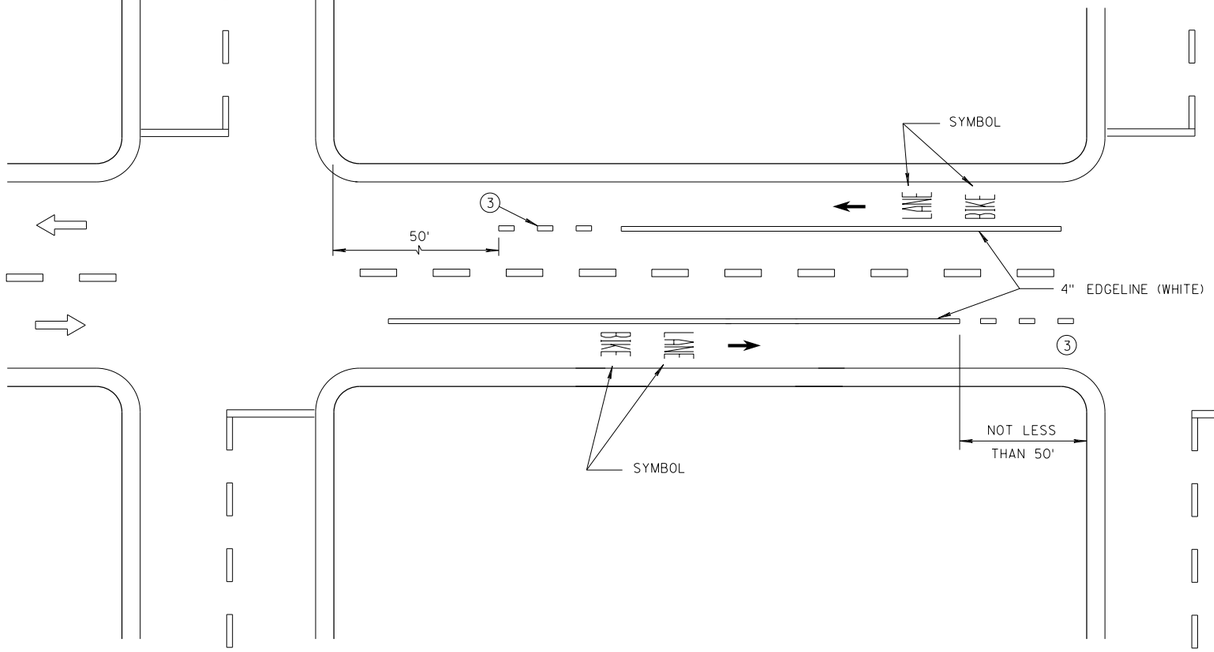
FHWA

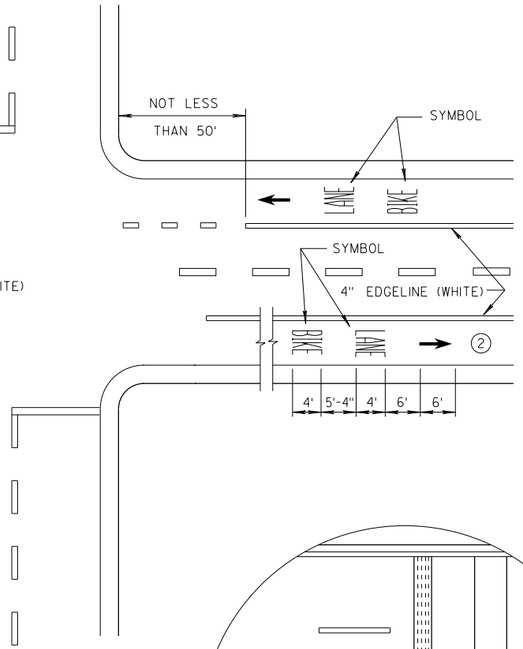
6

6

SDD 15C27 - 03b

SDD15C27 - 03b



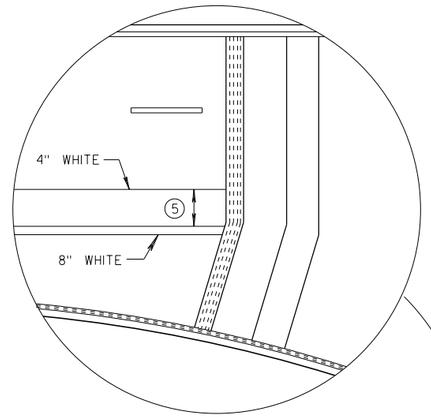


DESIGNATED BICYCLE LANE
NO PARKING

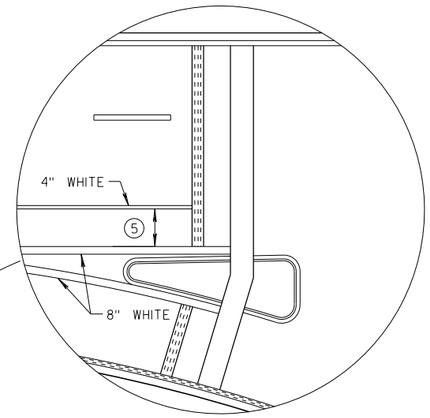
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION IS TYPICALLY 5 FEET WIDE AND A MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

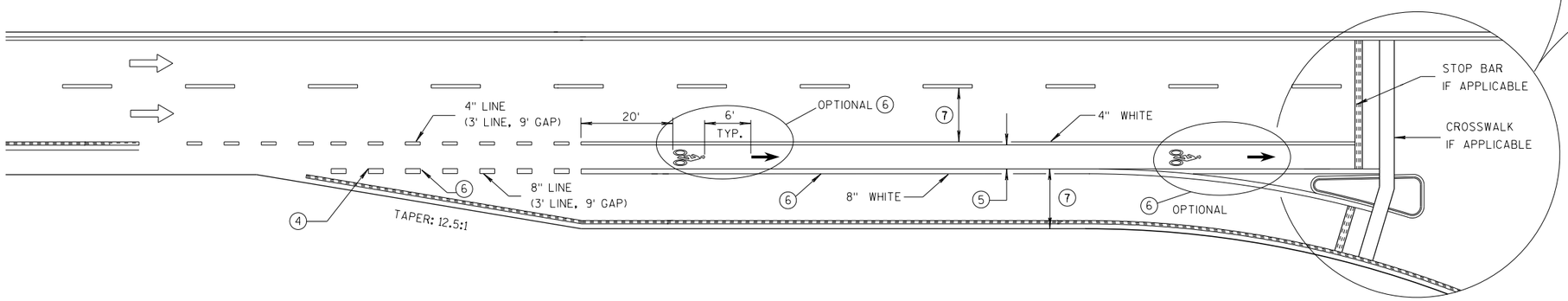
DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 422 ...EER

FHWA

6

S.D.D. 15 C 29-6a

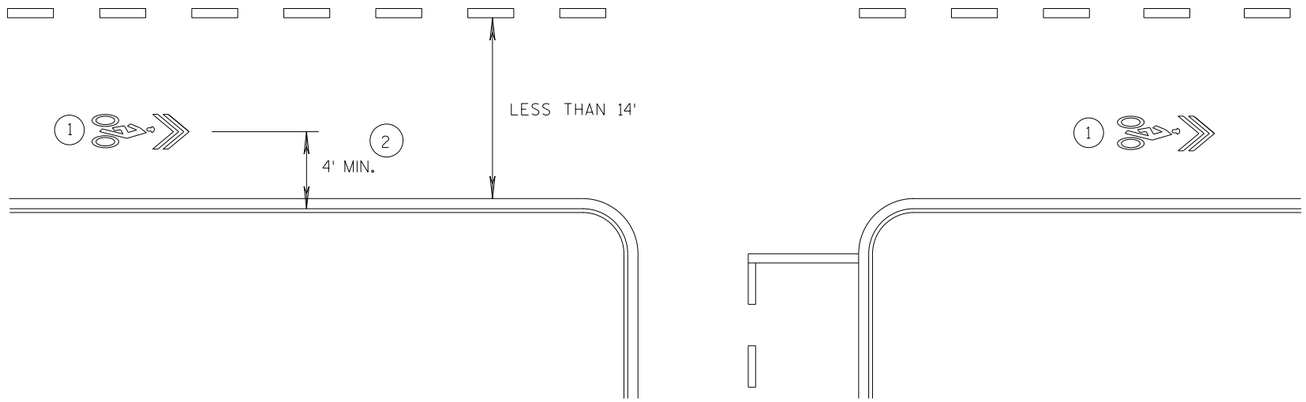
6

S.D.D. 15 C 29-6a

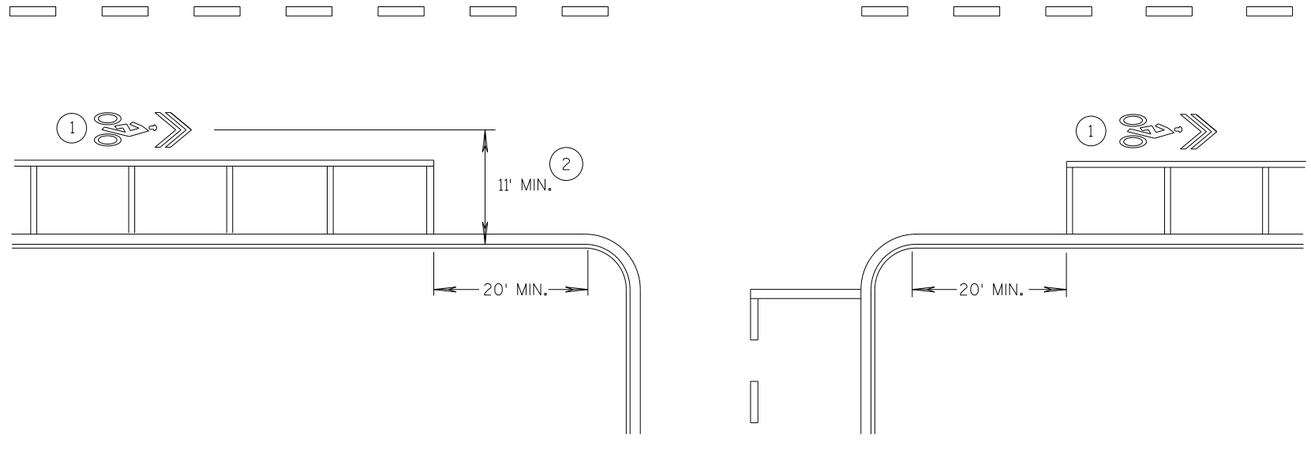
GENERAL NOTES

(1) MINIMUM OF ONE PER BLOCK, MAXIMUM OF 250 FEET.

(2) OR TO EDGE OF PAVEMENT WITHOUT CURB.



WITHOUT PARKING



WITH PARKING

PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARKI ER

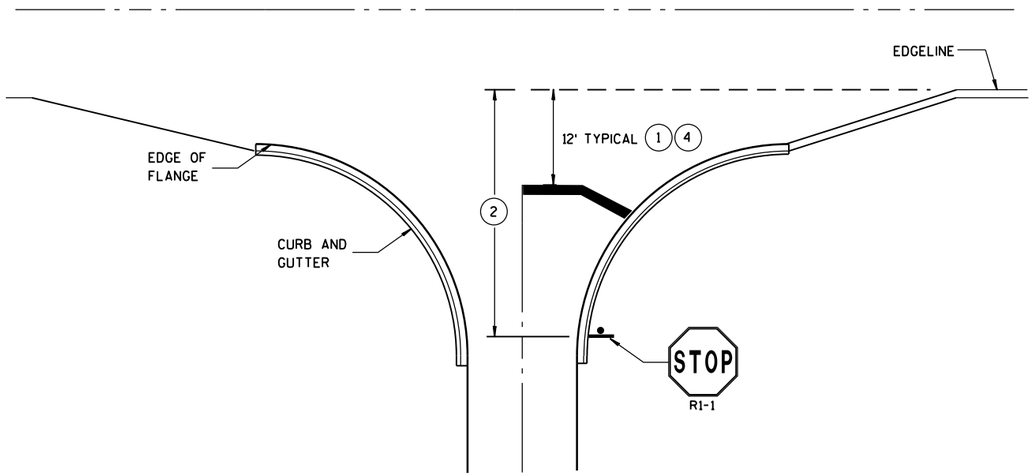
FHWA

6

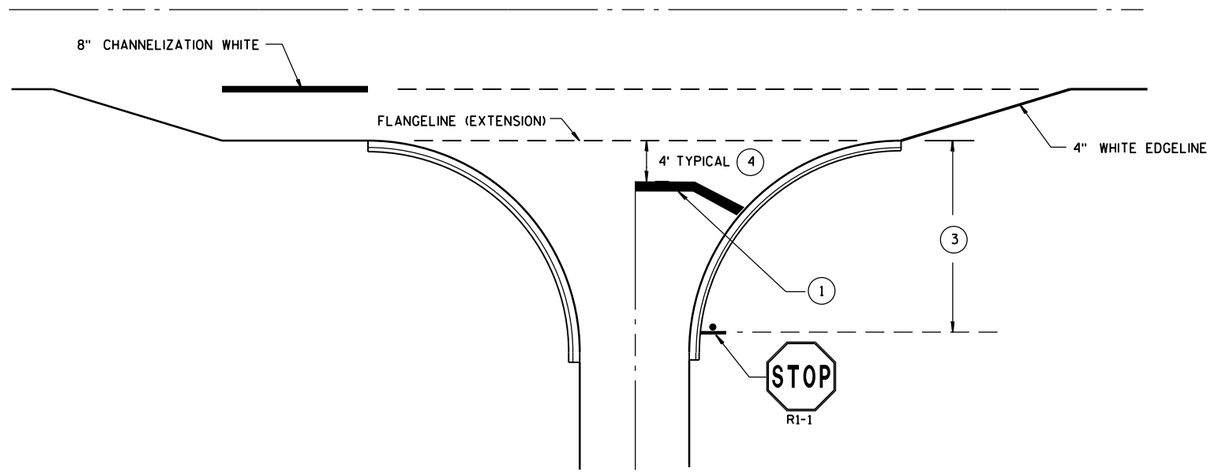
S.D.D. 15 C 29-6b

6

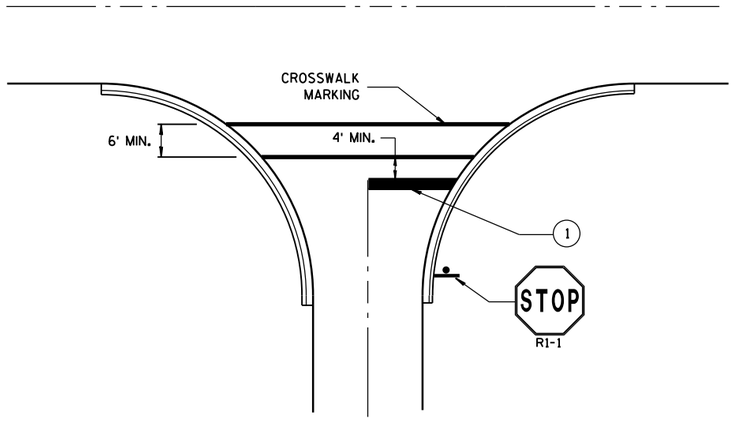
S.D.D. 15 C 29-6b



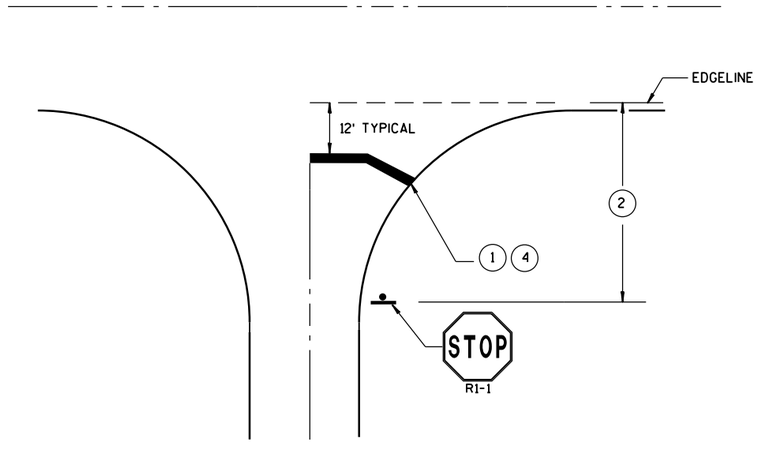
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(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.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

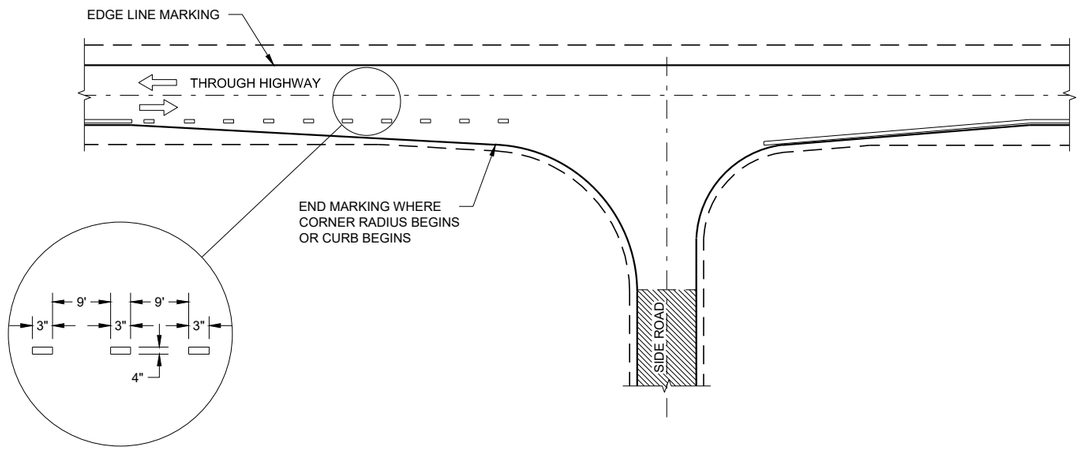
Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER

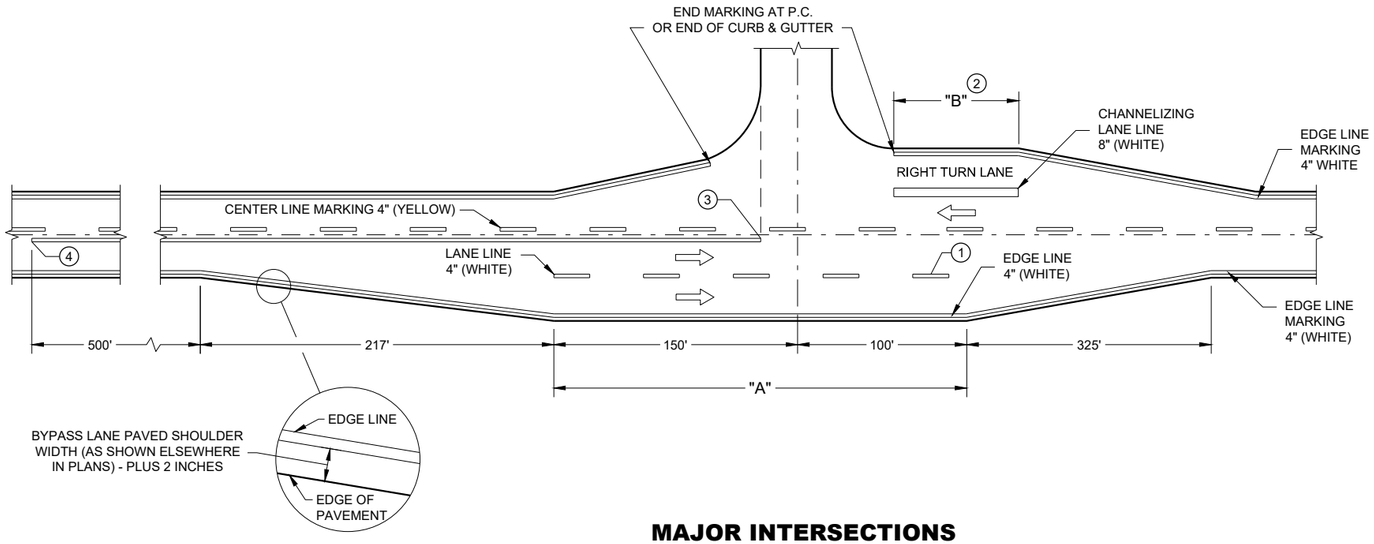
FHWA

6

S.D.D. 15 C 33-3



MINOR INTERSECTION



MAJOR INTERSECTIONS

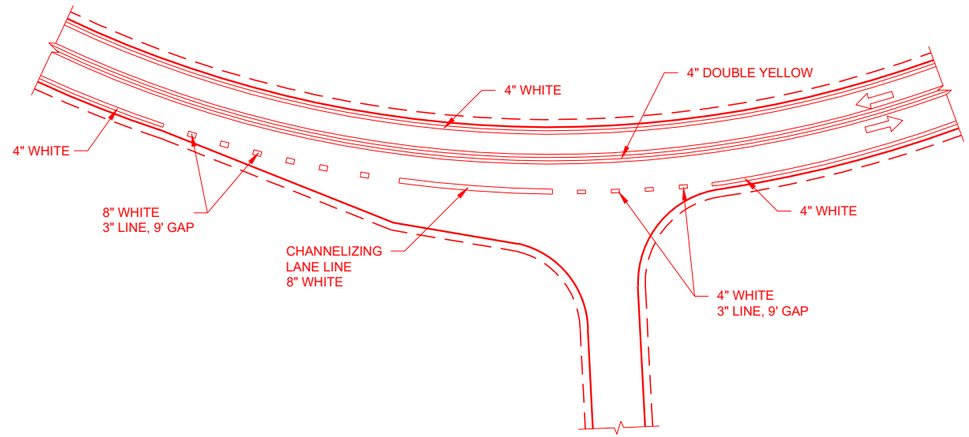
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

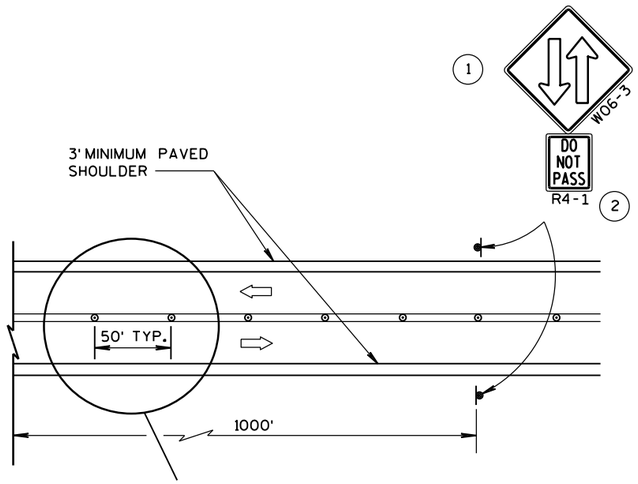
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

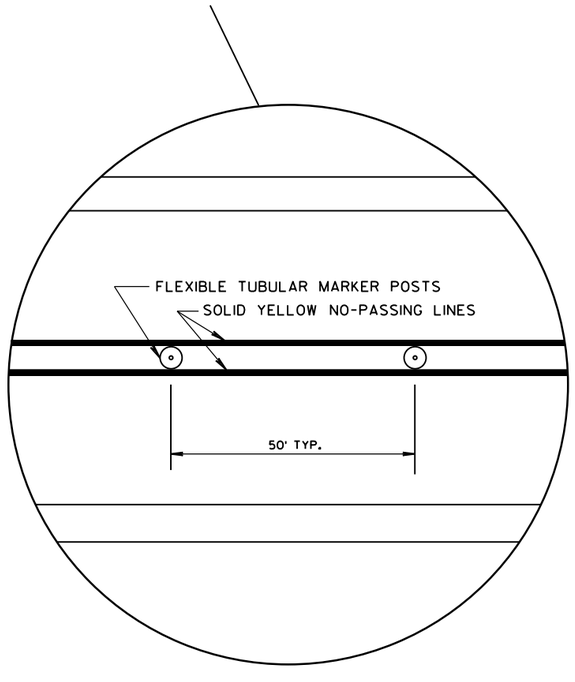
SDD 15C35 - 03a

6

SDD 15C35 - 03a



TWO LANE, TWO WAY OPERATION



LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"x48" UNLESS OTHERS NOTED.

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

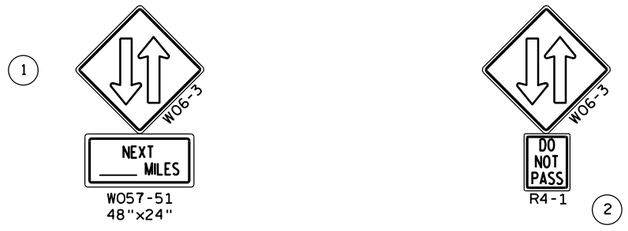
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50-FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.



THE W06-3 WITH THE W057-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500 FEET BEYOND ANY SIDEROAD. THE W06-3 WITH THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE W06-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN W06-3 SIGNS.

(2) CONVENTIONAL: 24"x30"
FREEWAY AND EXPRESSWAY: 36"x48"

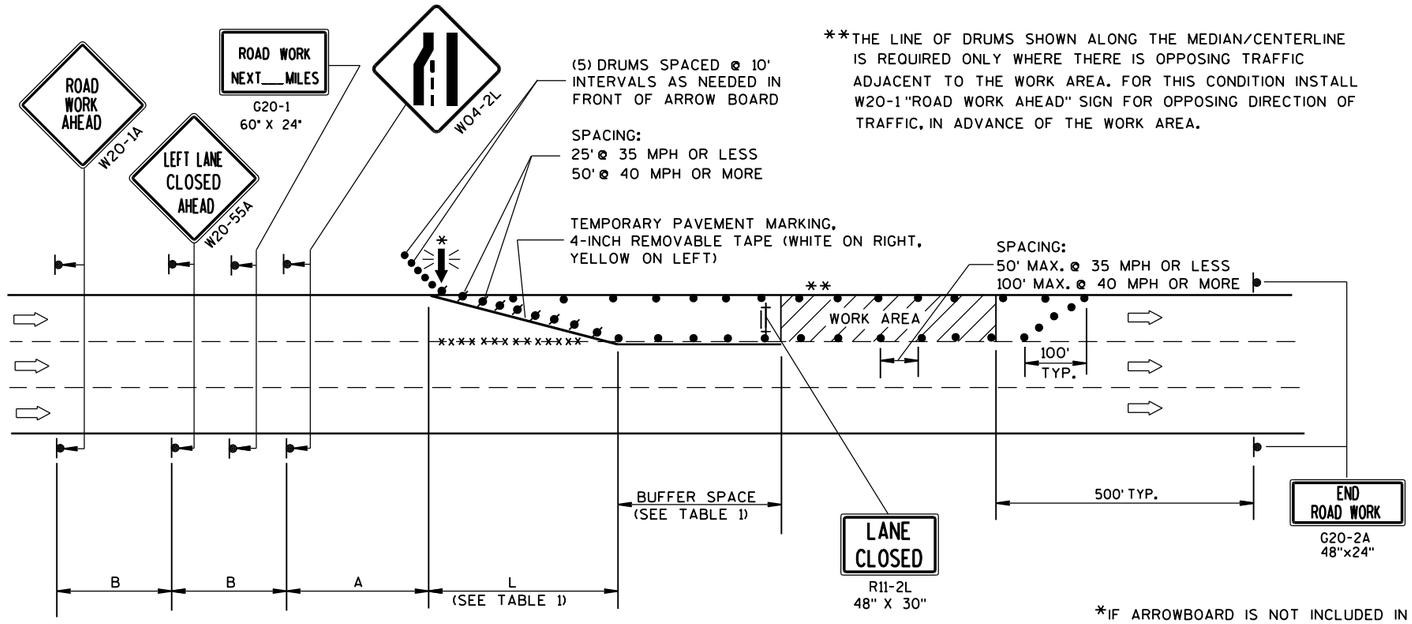
TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 DATE
/S/ Travis Feltes STATE TRAFFIC ENGINEER
SIGN
FHWA

6

S.D.D. 15 D 6-3



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

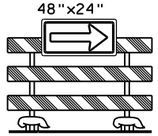


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

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"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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
June 2016 — DATE
FHWA

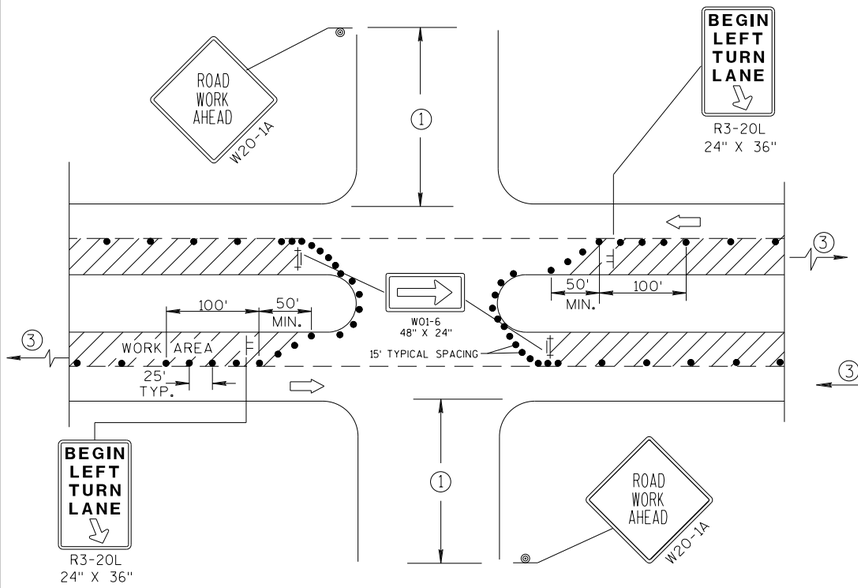
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER — IC

6

S.D.D. 15 D 20-4

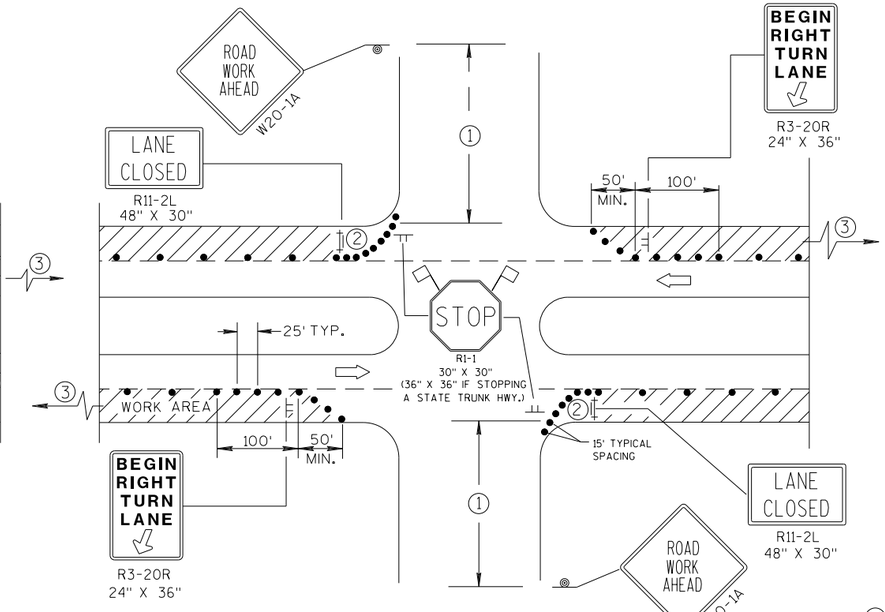
6

S.D.D. 15 D 20-4



DETAIL A

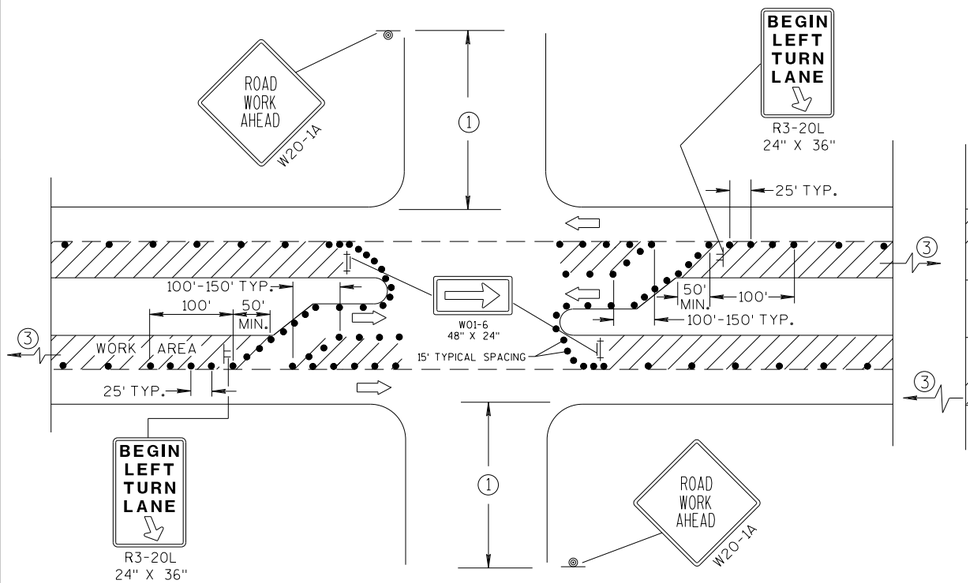
FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING



DETAIL B

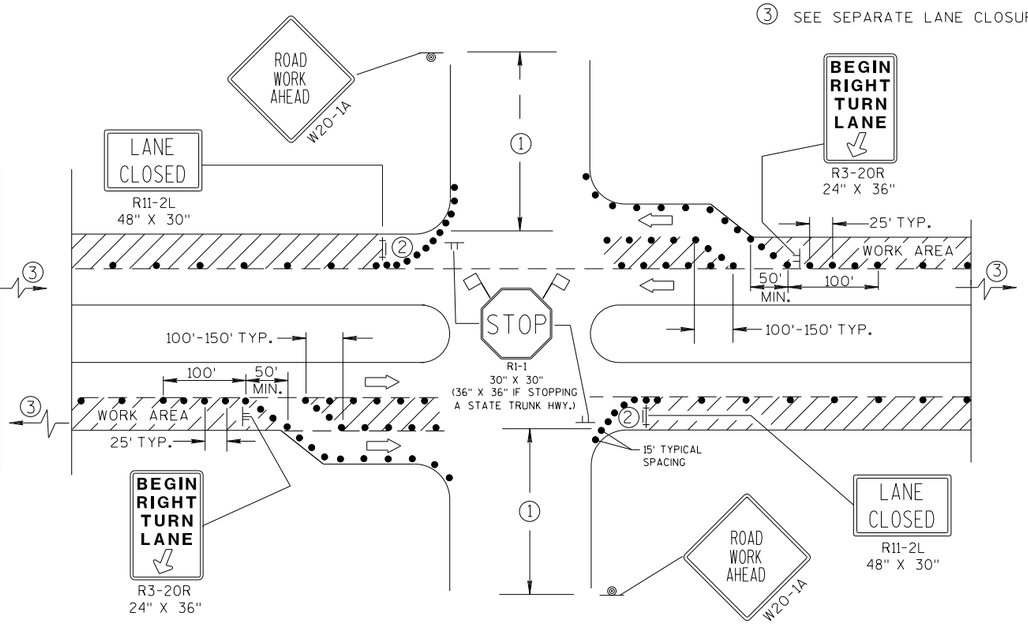
FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

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 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"x48" 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.

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

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

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

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

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

6

S.D.D. 15 D 21-6

TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TRAFFIC CONTROL DRUM

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

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 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"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE 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.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

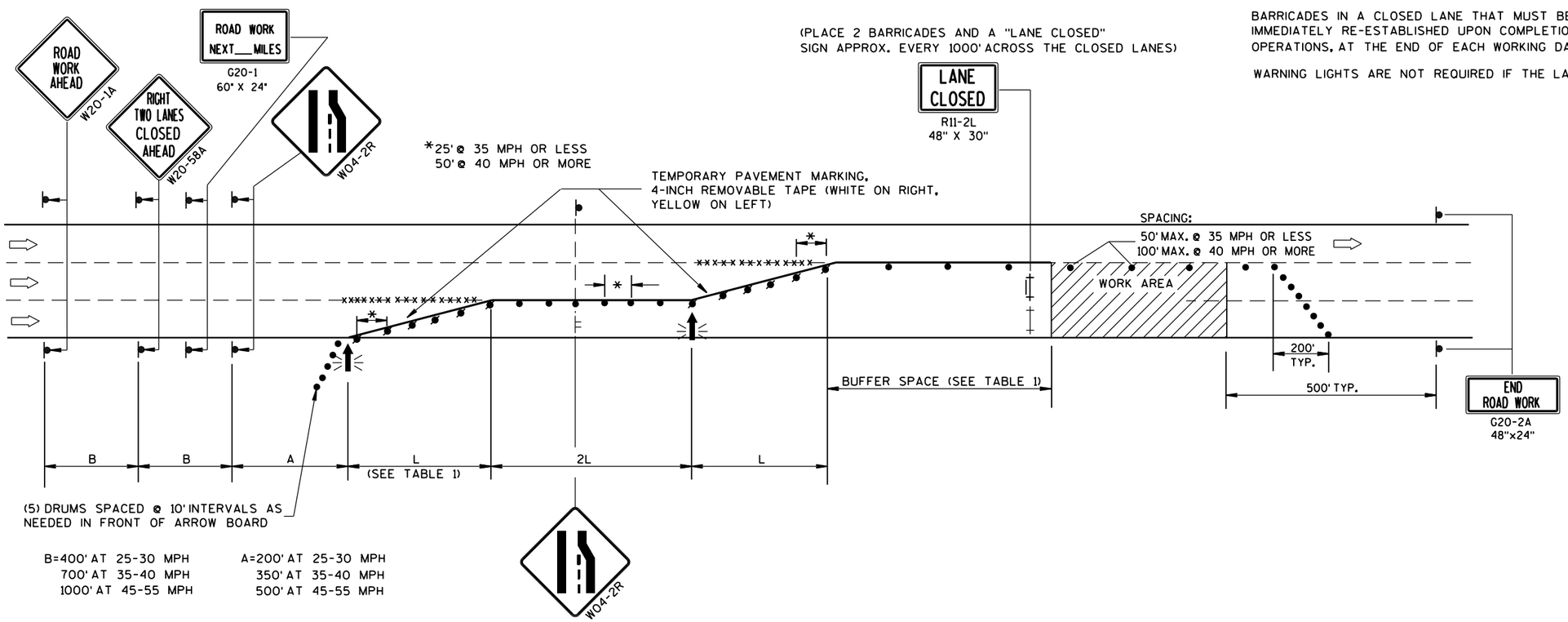
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO LOCATE THE ARROWBOARD AS SHOWN, PLACE THE ARROWBOARD IN THE LANE CLOSURE TAPER AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE TAPER.

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.



B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

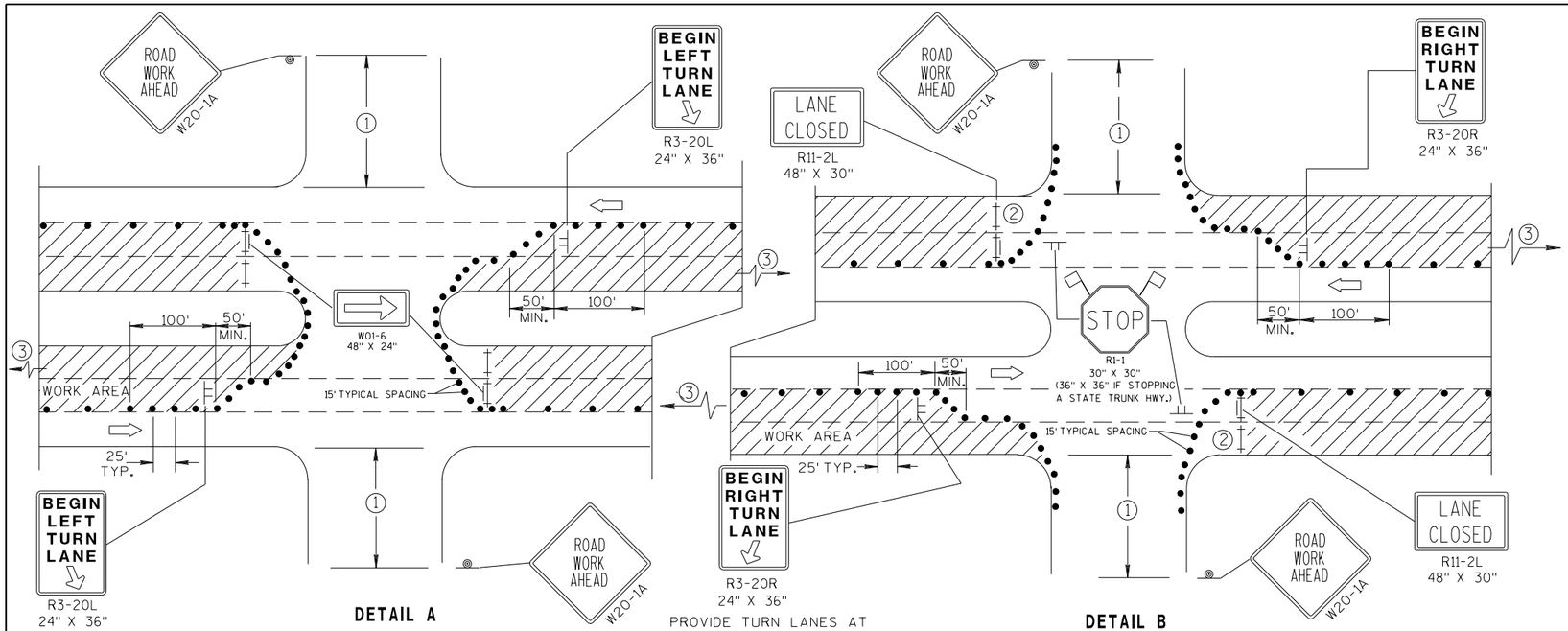
TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

S.D.D. 15 D 22-3

S.D.D. 15 D 22-3



DETAIL A

FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK

DETAIL B

FOR RIGHT TWO LANES CLOSED AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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 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"x48" 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.

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

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

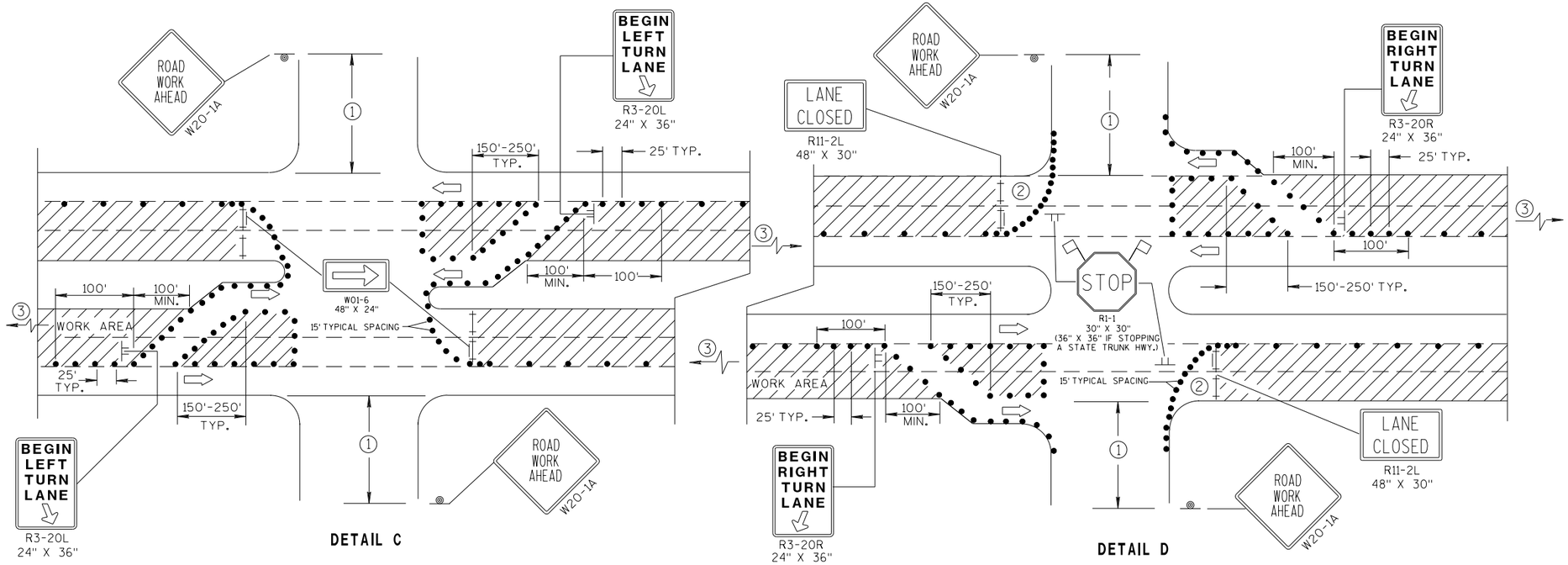
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

① 500 FEET TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350 FEET IF 35-40 MPH.
200 FEET IF 25-30 MPH.

② ALSO USE BARRICADES AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C

FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

DETAIL D

FOR RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE
/S/ Andrew Heidtke
WORK ZONE ENG
FHWA

430

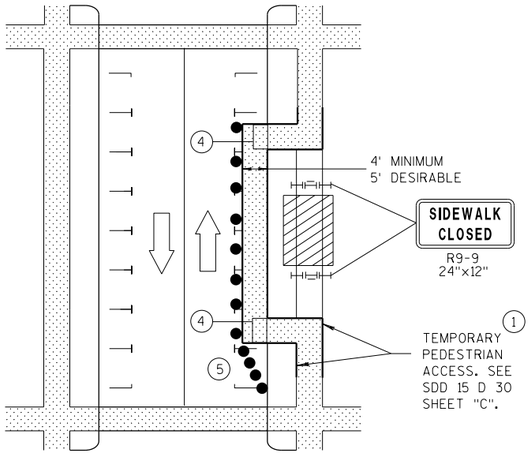
6

S.D.D. 15 D 23-6

6

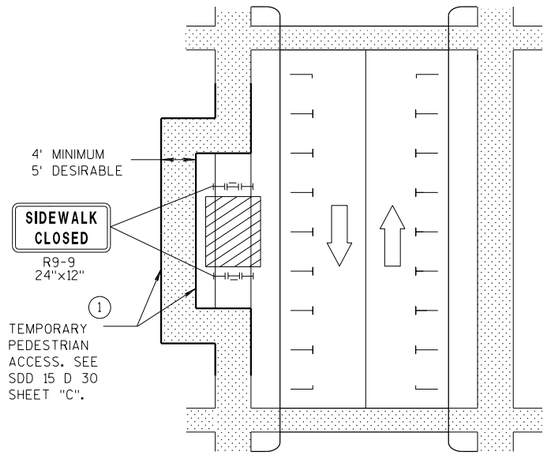
S.D.D. 15 D 23-6

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

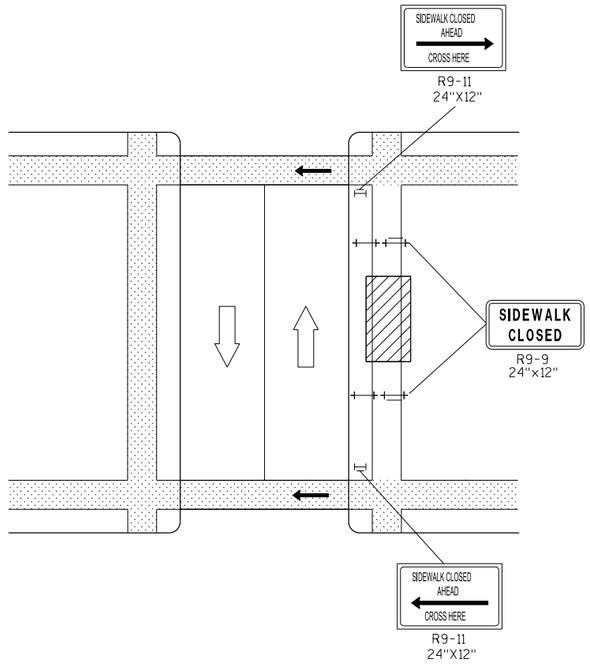


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

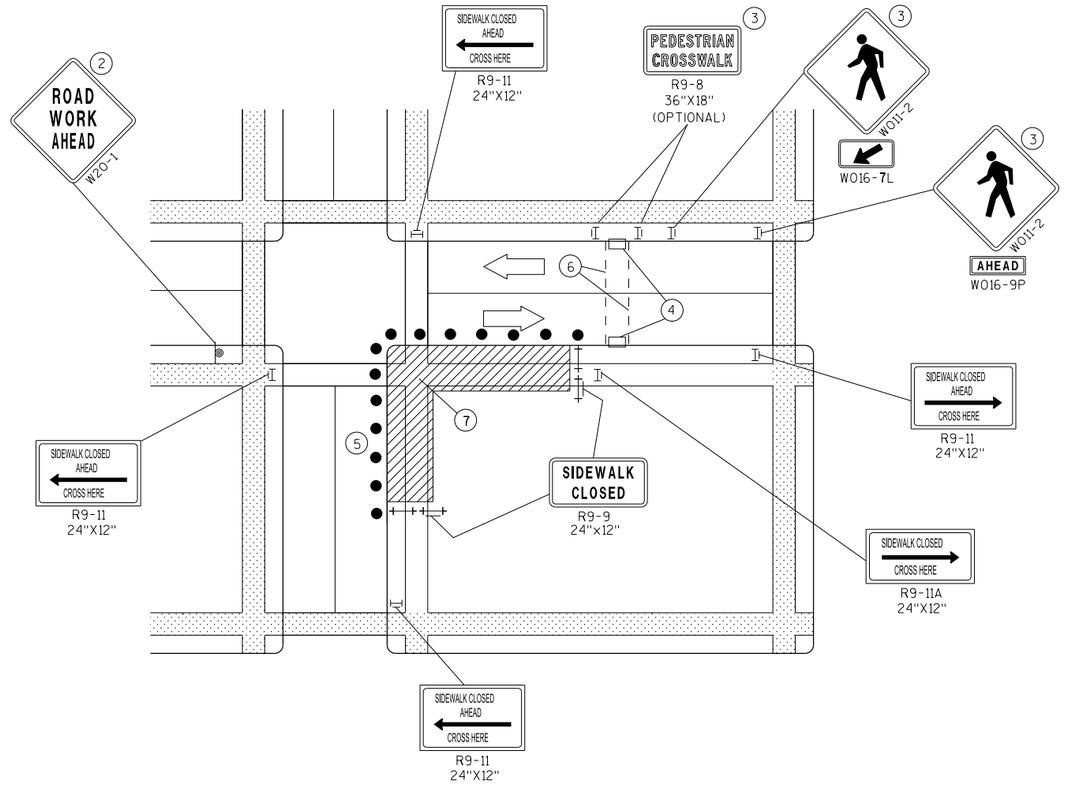
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



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 W011-2 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 DISRUPTION.

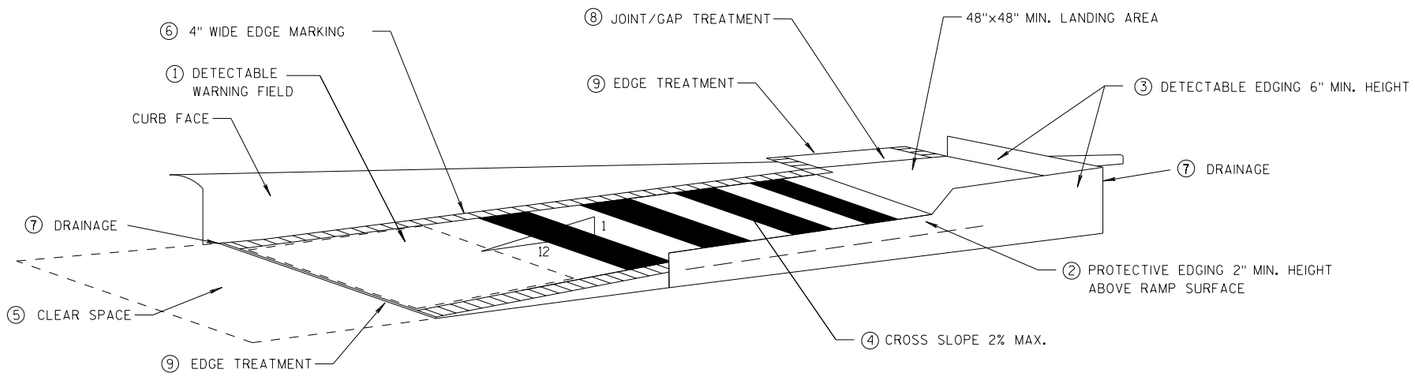
LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- 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)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

S.D.D. 15 D 30-4a



TEMPORARY CURB RAMP PARALLEL TO CURB

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.

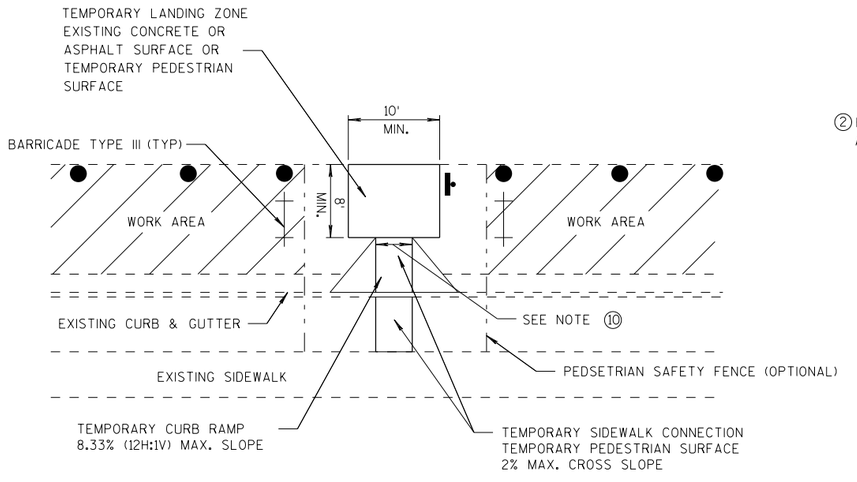
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

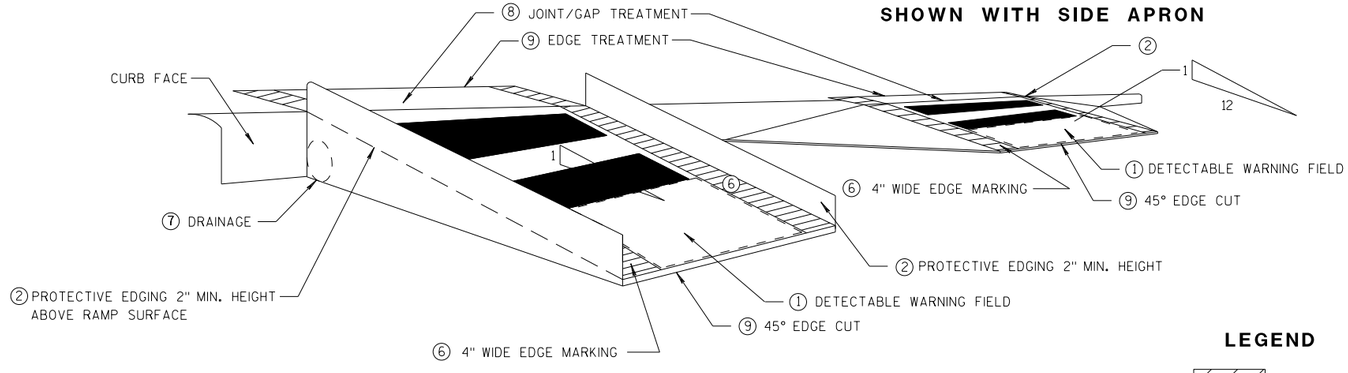
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

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".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

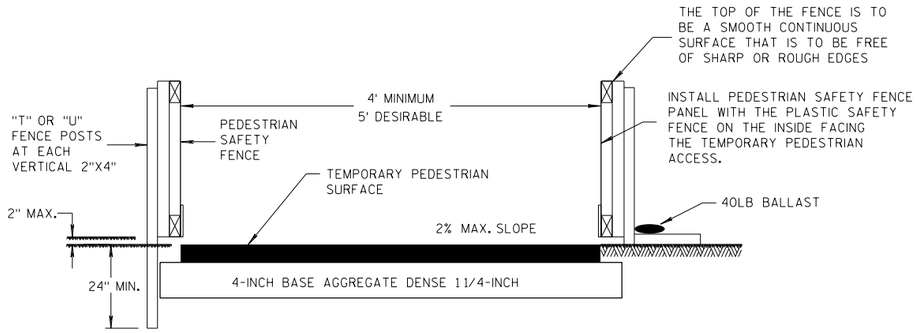
APPROVED

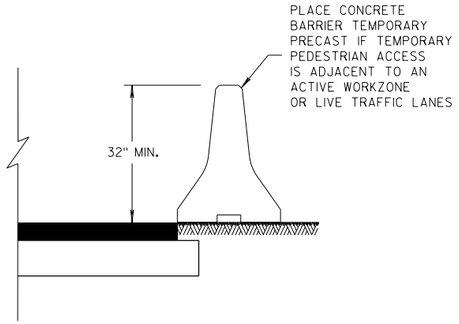
7/2018 DATE

/S/ Andrew Heidtke
WORK ZONE ENG

FHWA

6
S.D.D. 15 D 30-4b

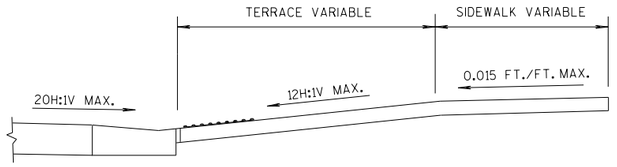




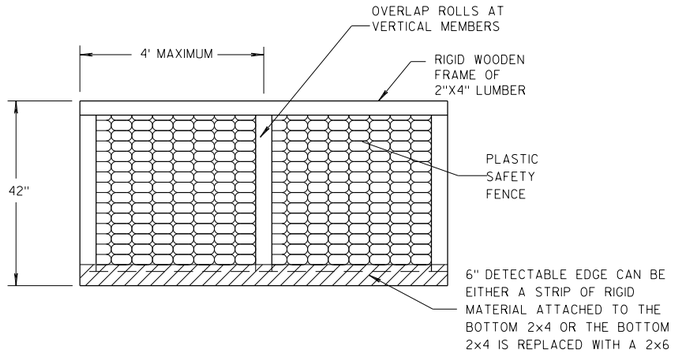
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

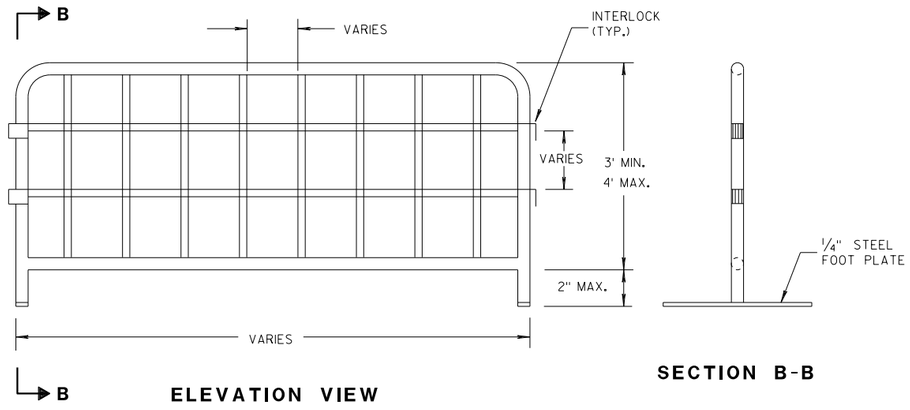
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



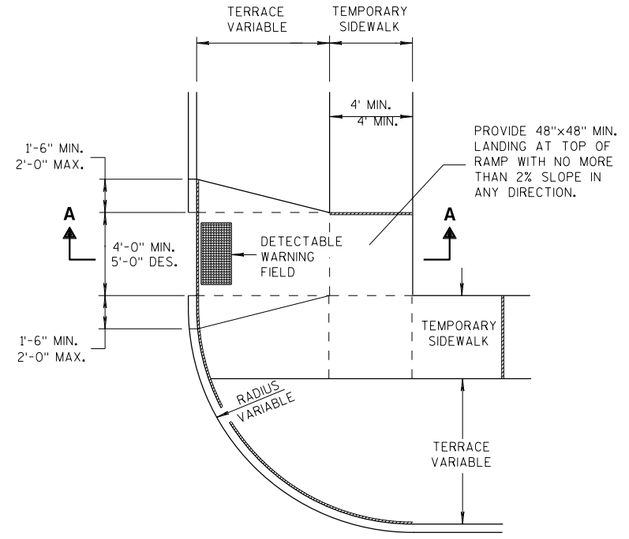
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

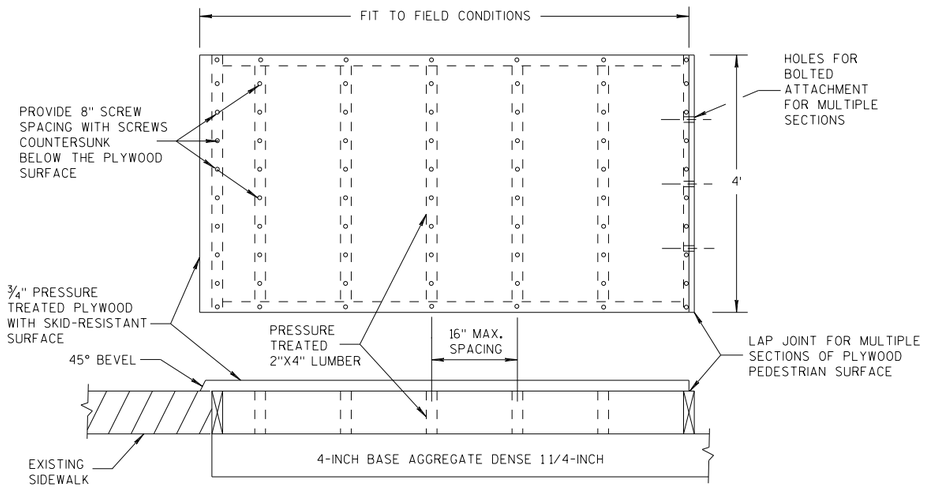
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



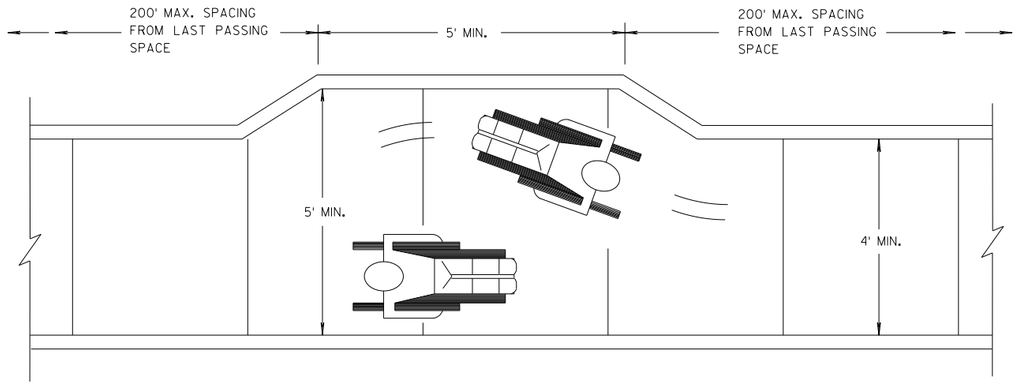
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENG

433

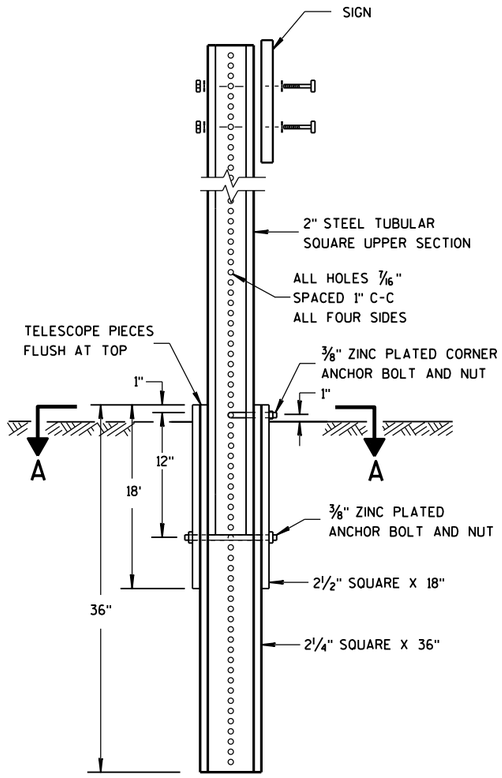
FHWA

6

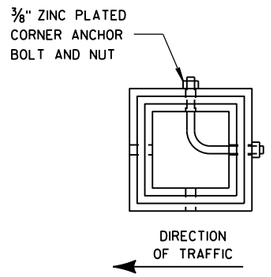
S.D.D. 15 D 30-4c

6

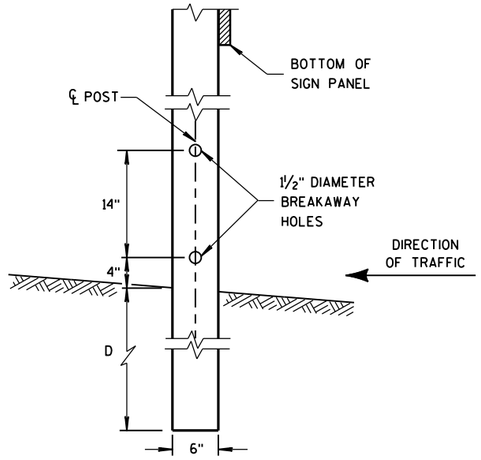
S.D.D. 15 D 30-4c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



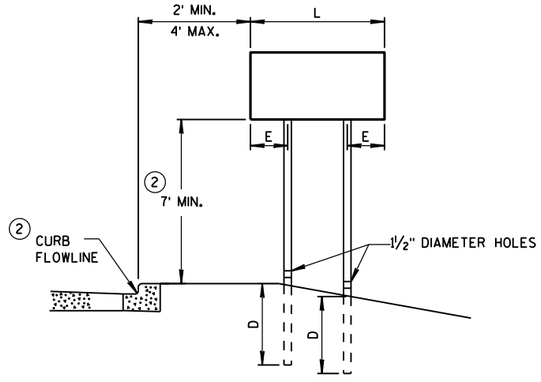
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

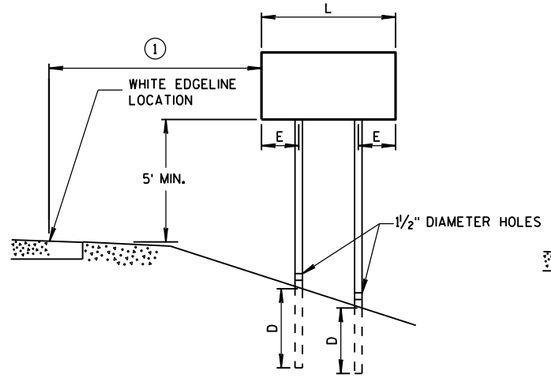
1. 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

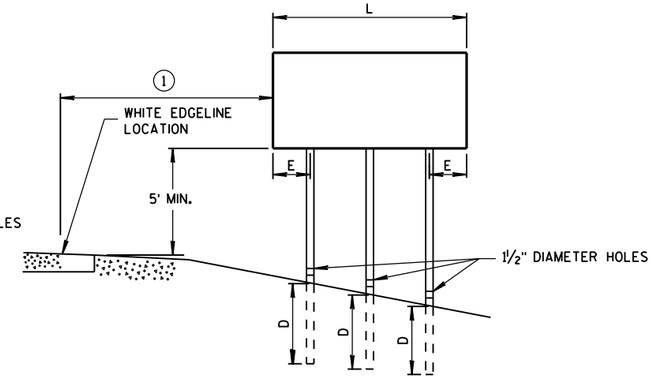
2. THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

3. FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

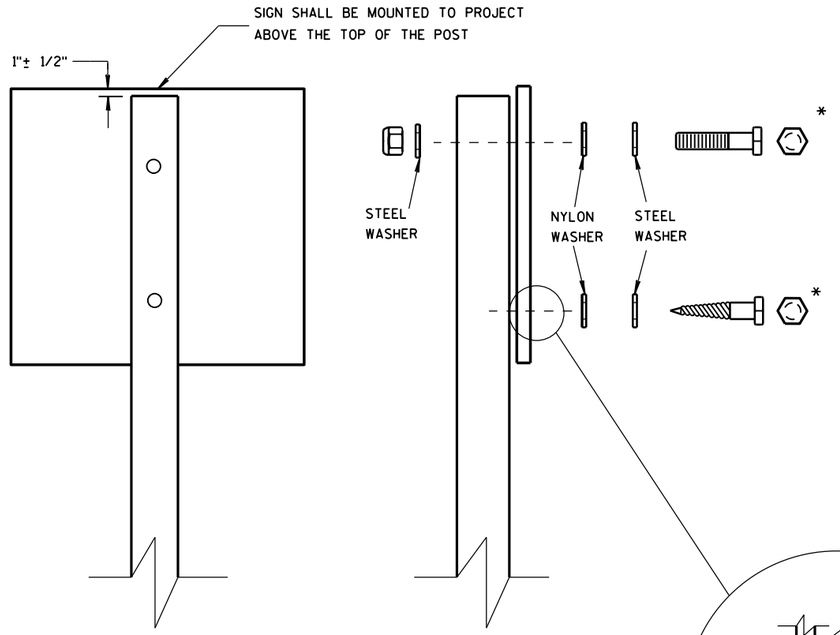
SEE NOTE (3)

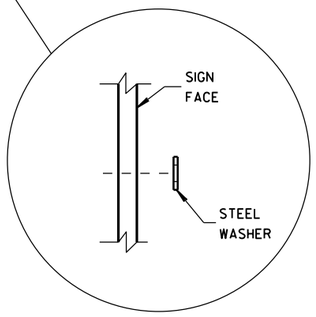
TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 38-2a





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

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

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

RIVETS - 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 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

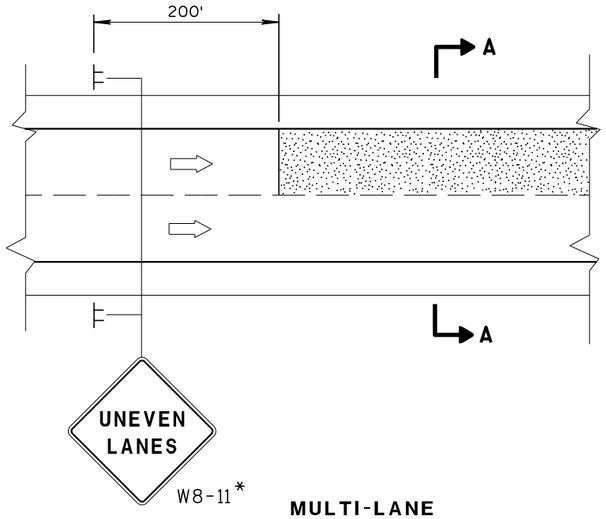
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

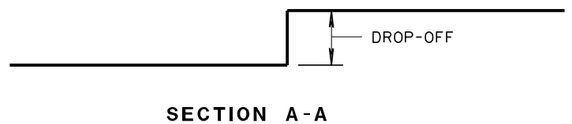
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA



MULTI-LANE

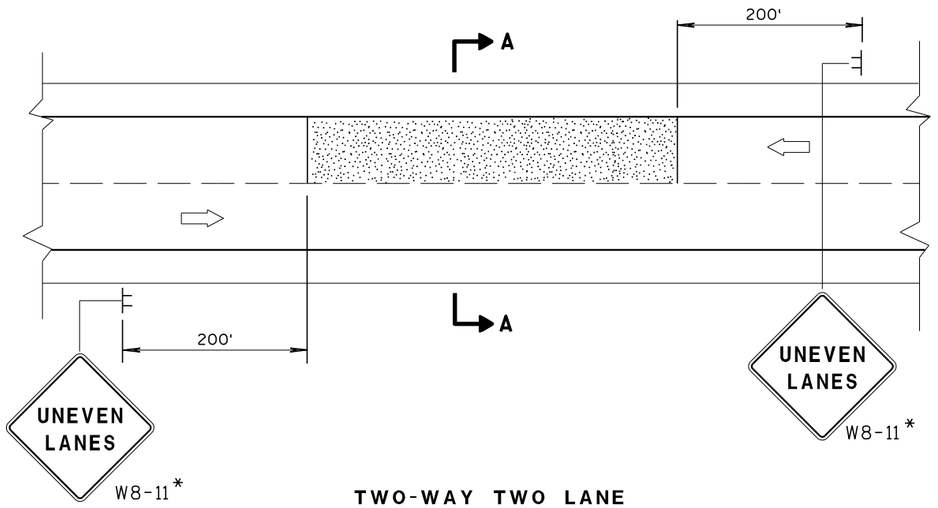


SECTION A-A

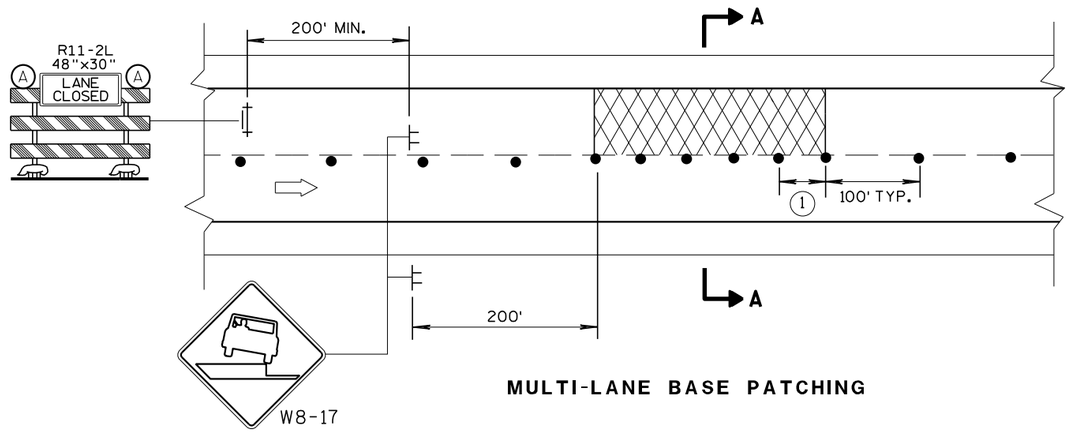
OR



SECTION A-A

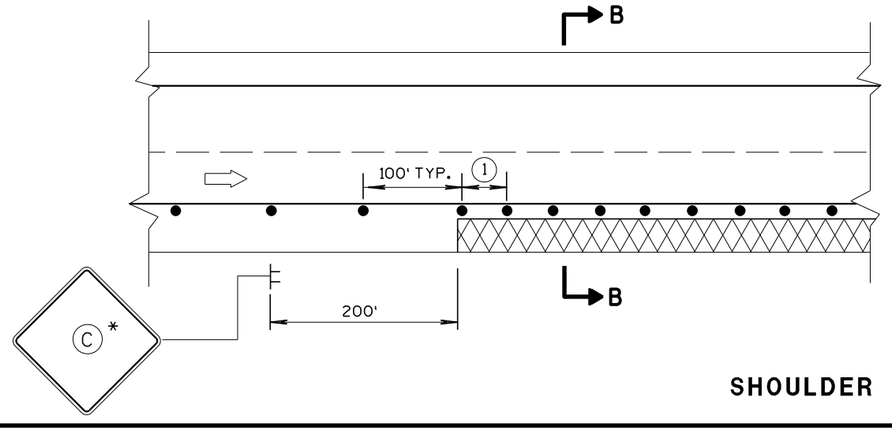


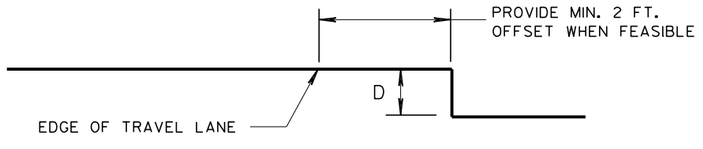
TWO-WAY TWO LANE



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EACH ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP-OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Andrew H — WORK ZONE EN
FHWA

6

S.D.D. 15 D 39-2

6

S.D.D. 15 D 39-2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR SHIFTING RIGHT LANE - REVERSE FOR SHIFTING LEFT LANE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

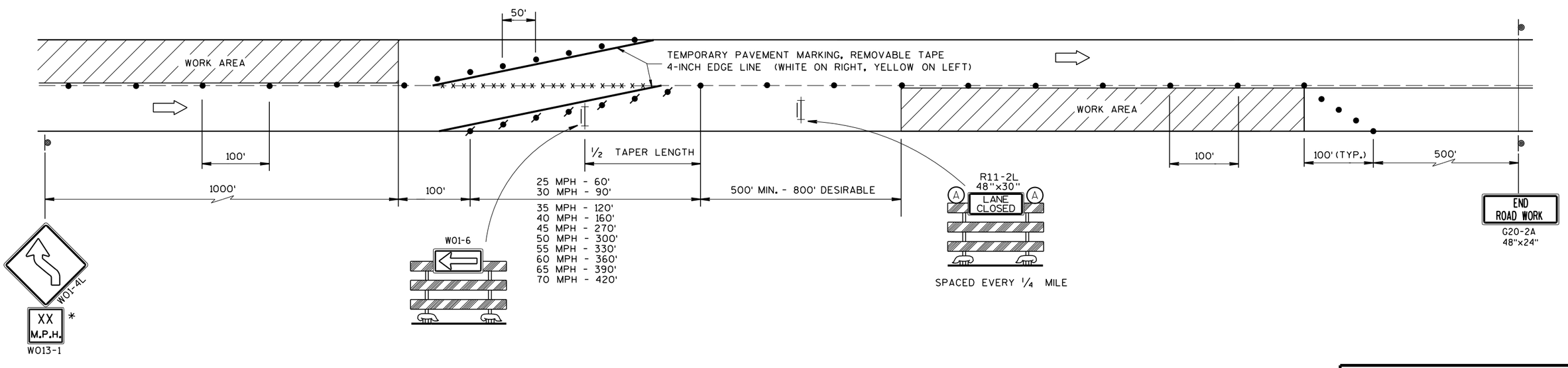
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST 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. 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 CROSSOVER MANEUVER.



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

LANE SHIFT MULTI-LANE DIVIDED OR ONE WAY ROAD

TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE WAY ROAD

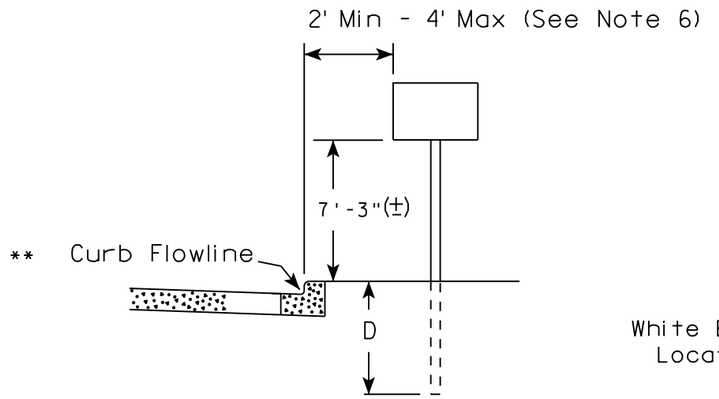
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Andrew I
WORK ZONE E
FHWA

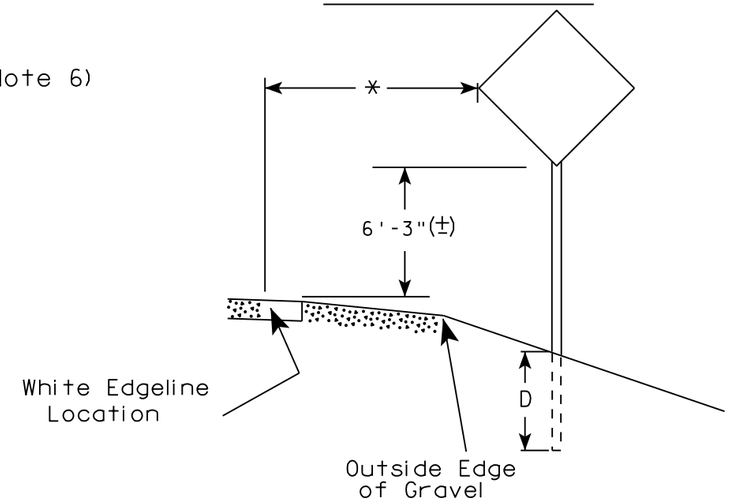
6

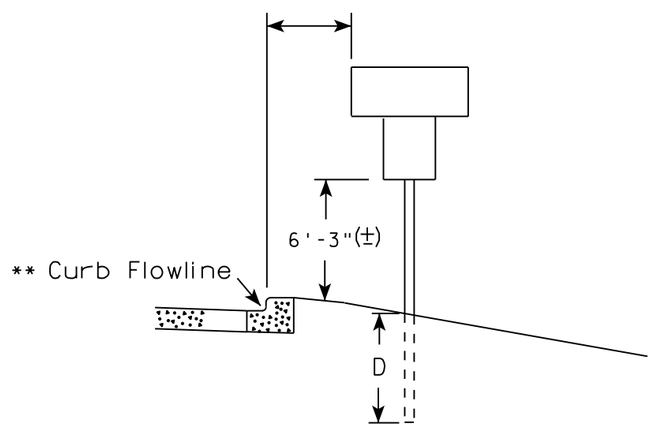
S.D.D. 15 D 40-1

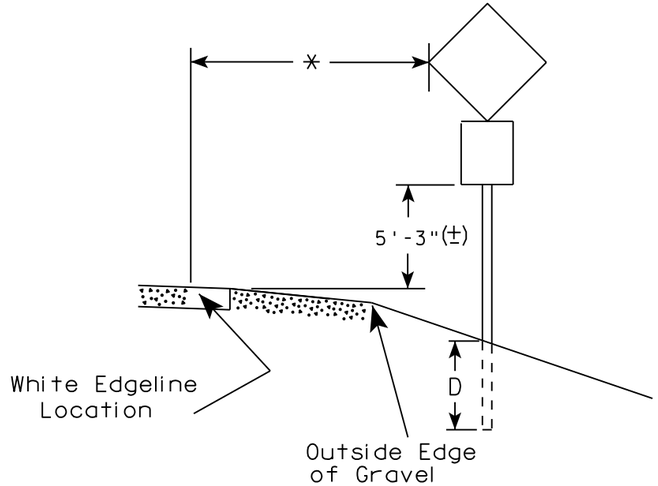
URBAN AREA



RURAL AREA (See Note 2)







** 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.

* 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.

POST EMBEDMENT DEPTH

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

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" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
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" (±) or as directd by the Engineer.
9. 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), 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" (±).

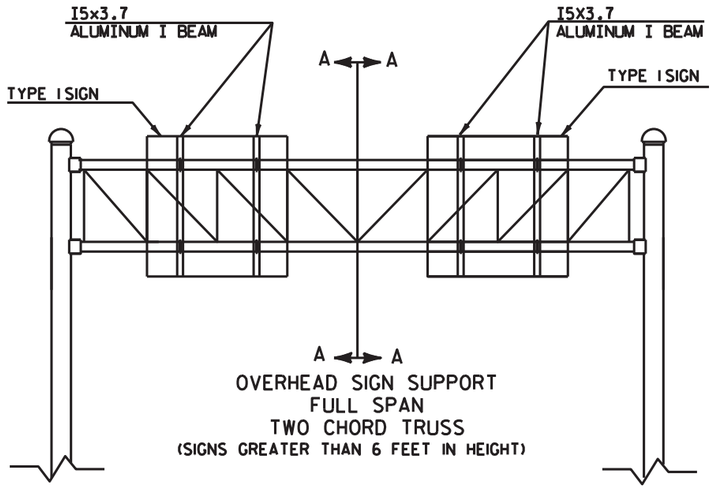
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

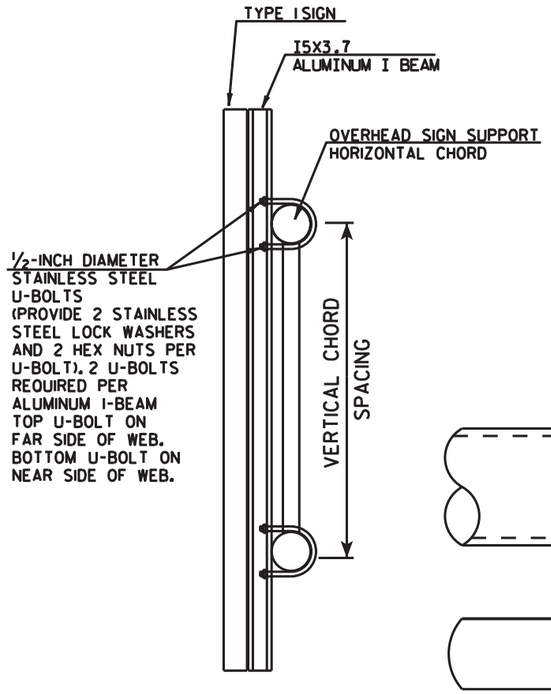
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

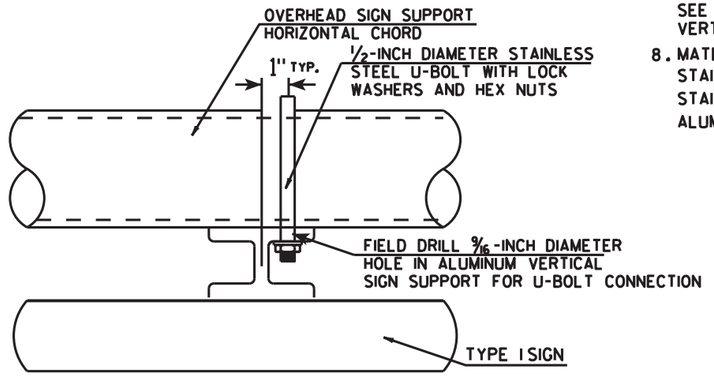
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 438	E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



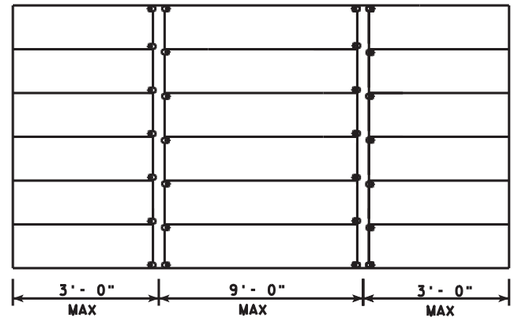
CUT SECTION A-A



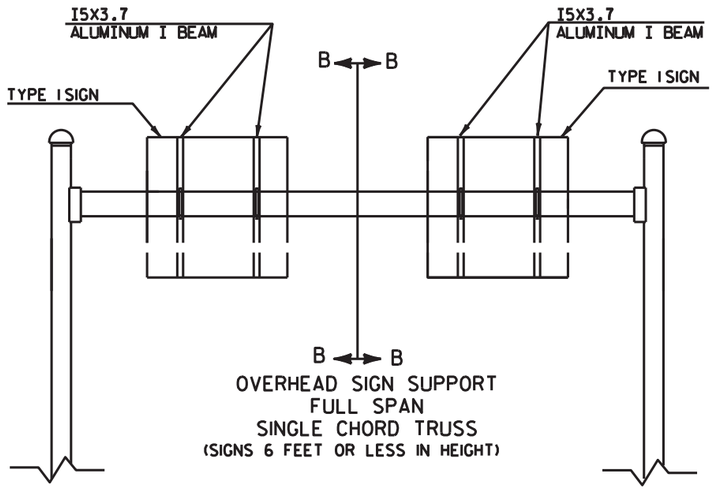
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

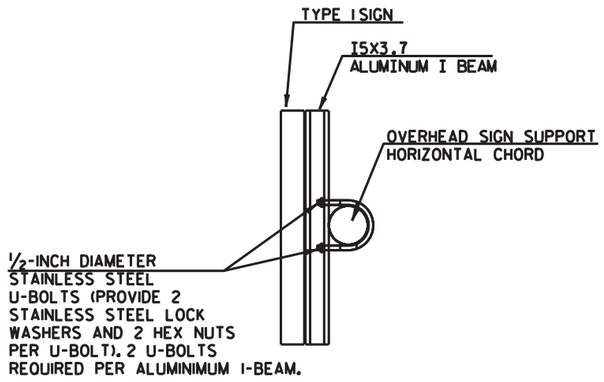
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



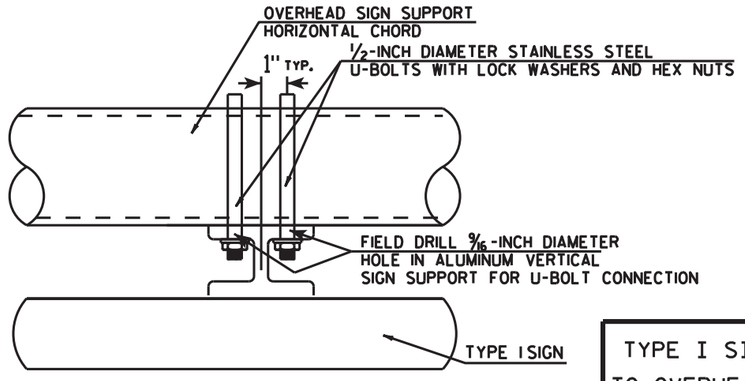
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

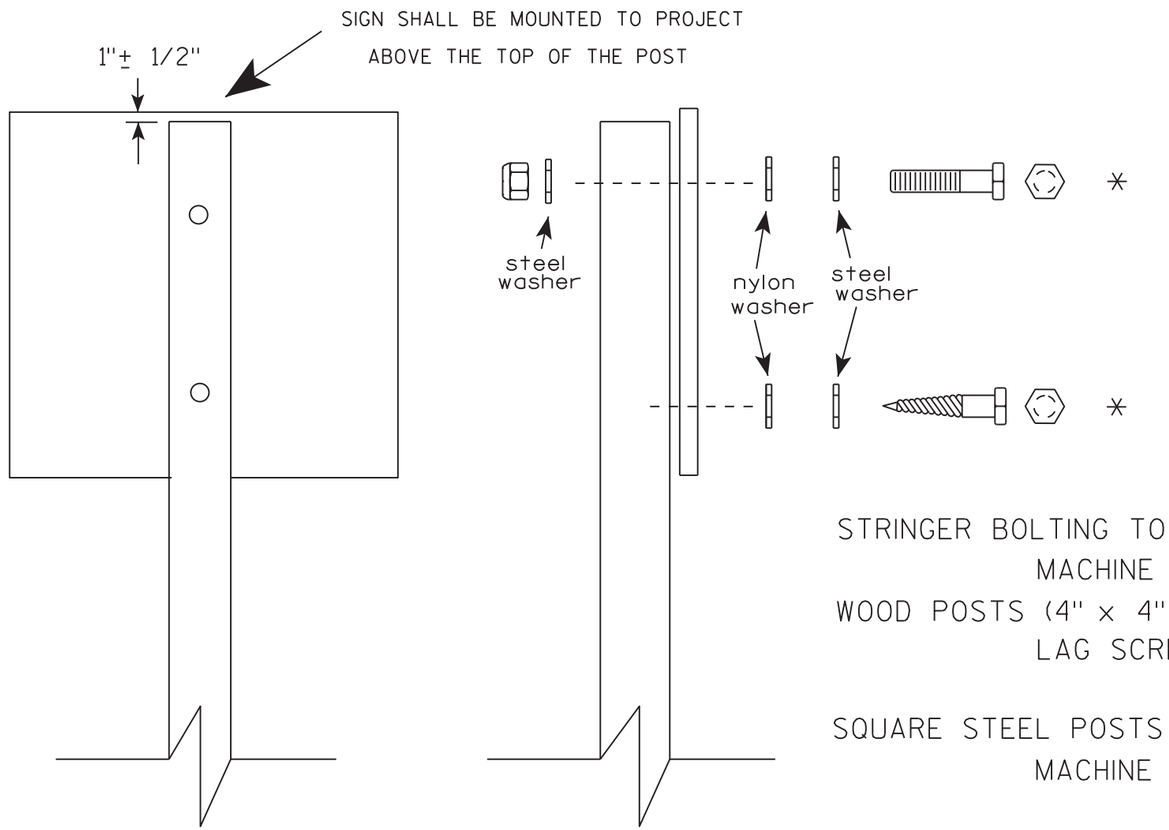
TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE NO. A4-7.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 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

* 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, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

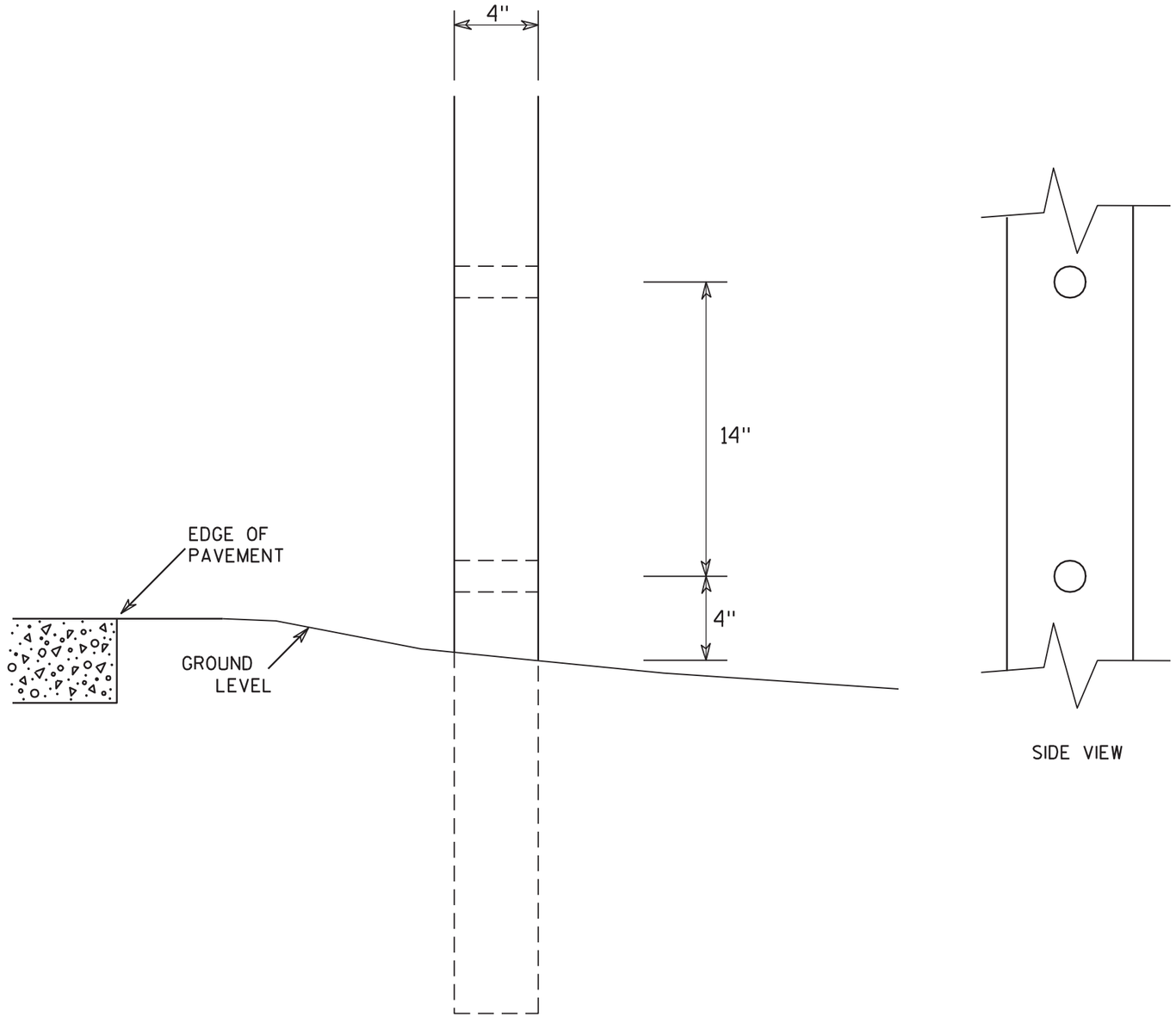
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

7

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

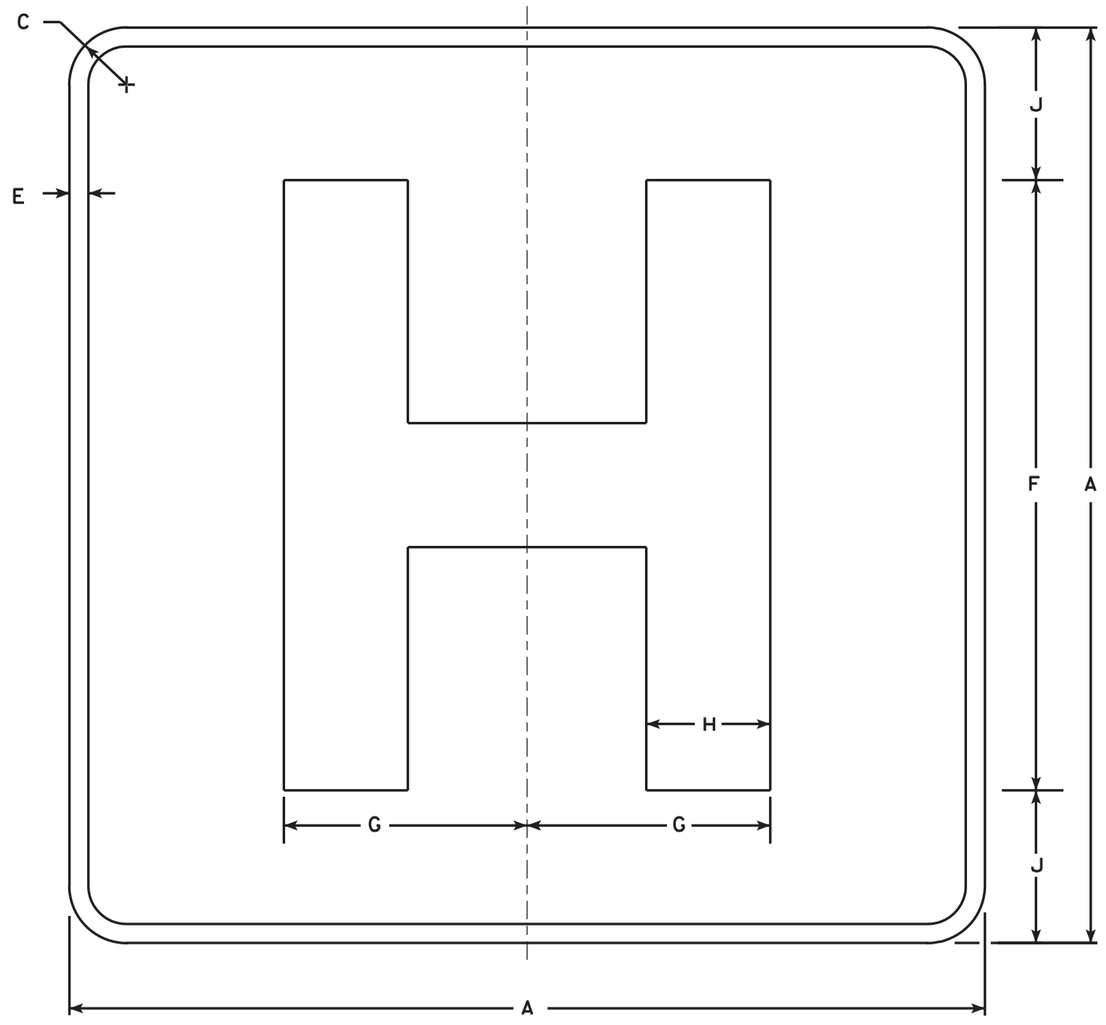
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 441	E



D9-2

NOTES

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 - E Modified
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.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

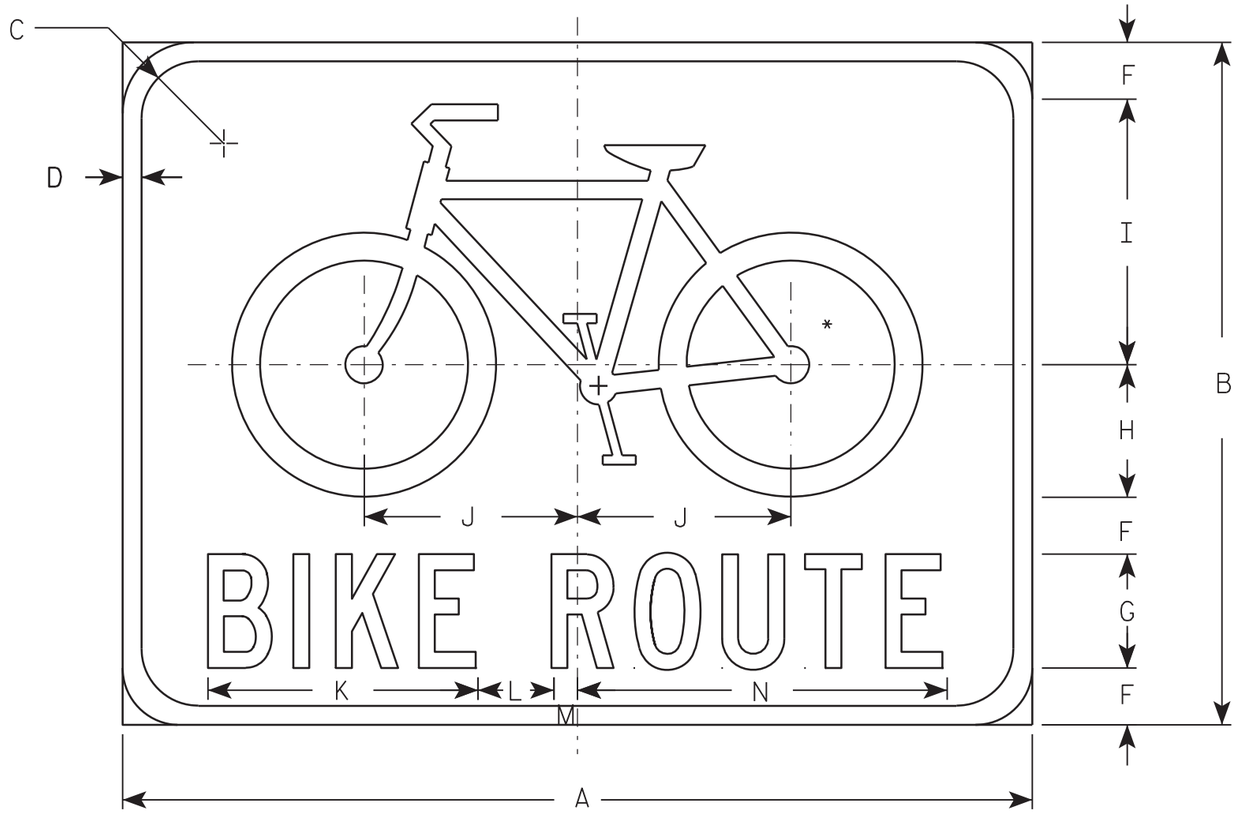
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 442 E



D11-1

NOTES

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

* See W11-1 for symbol design

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 450 mm
3	750 mm X 600 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0	0.27
3	30	24	1 1/4	5/8		2	4	4 3/4	9 1/4	7 1/2	9 1/2	2 5/8	7/8	13													5.0	0.45
4																												
5																												

STANDARD SIGN
D11-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/04 PLATE NO. D11-1.1

PROJECT NO:

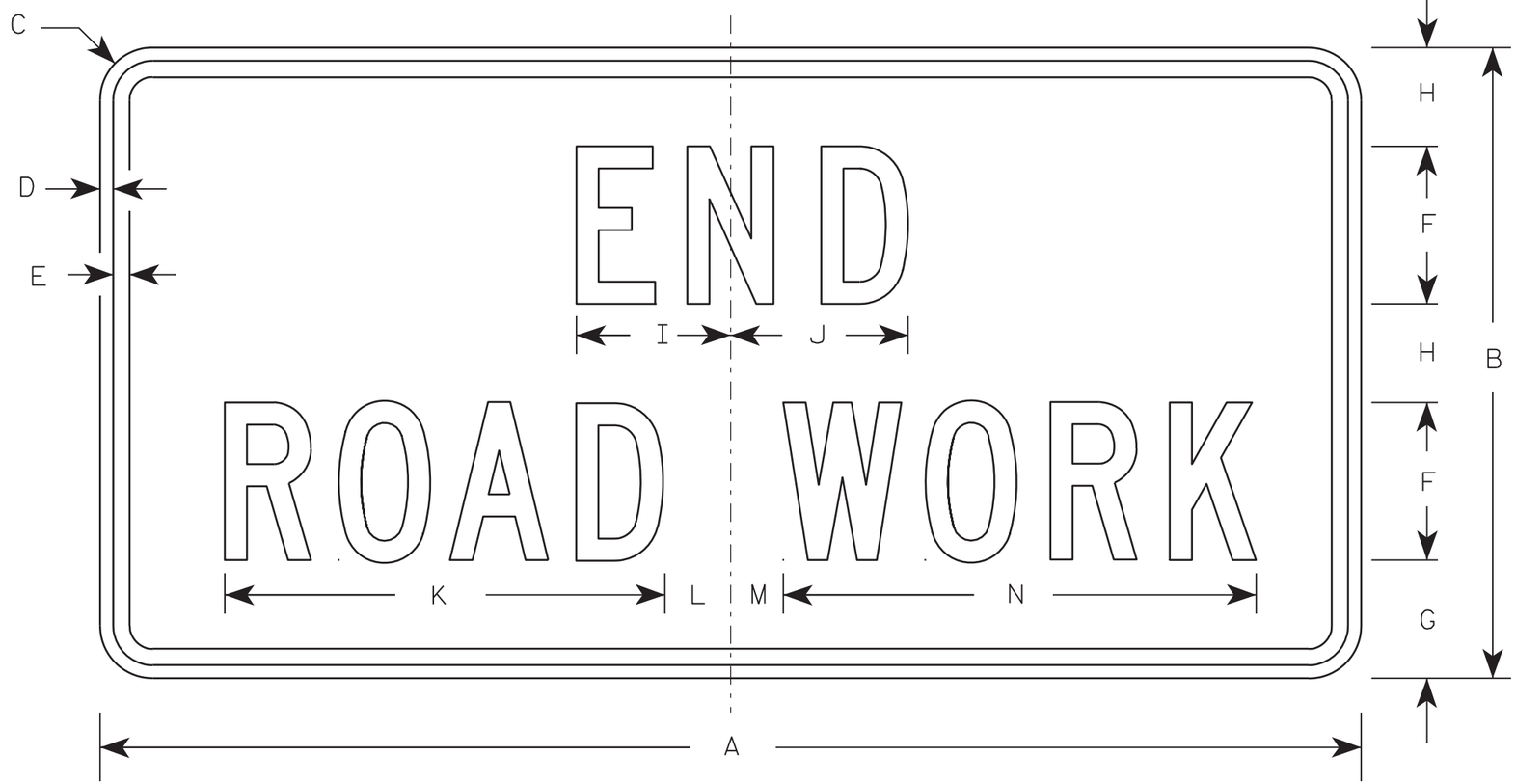
SHEET NO: 443 E

FILE NAME : C:\Users\Projects\tr_stdplate\D111.DGN PLOT DATE : 17-MAR-2005 10:38 PLOT BY : DOTDZK

WISDOT/CADDS SHEET 42

7

7



G20-2A

NOTES

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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

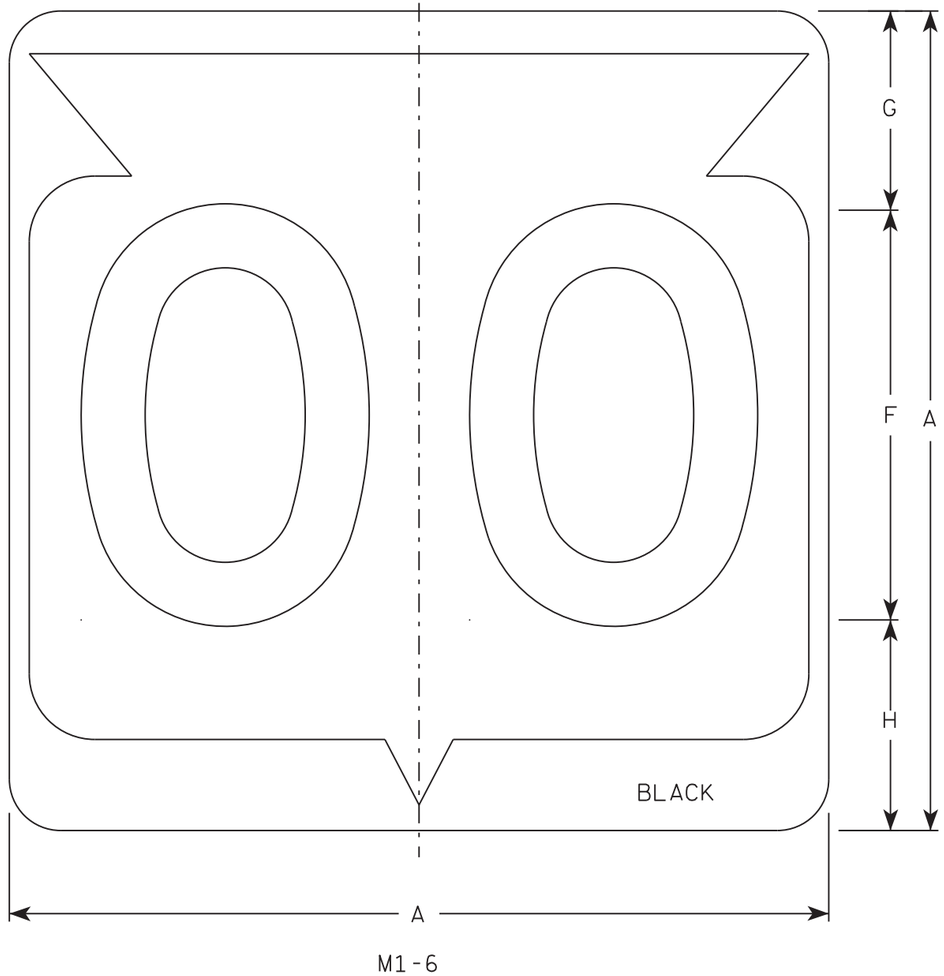
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

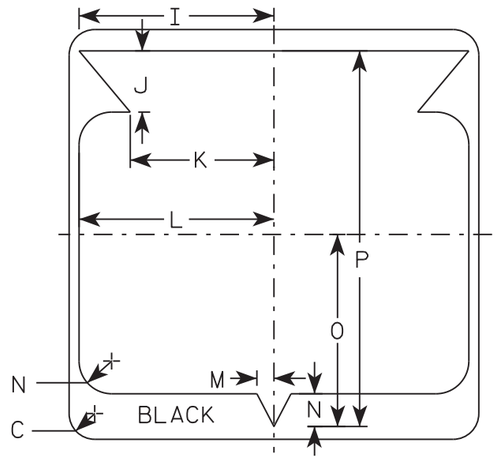
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 444	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs 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.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

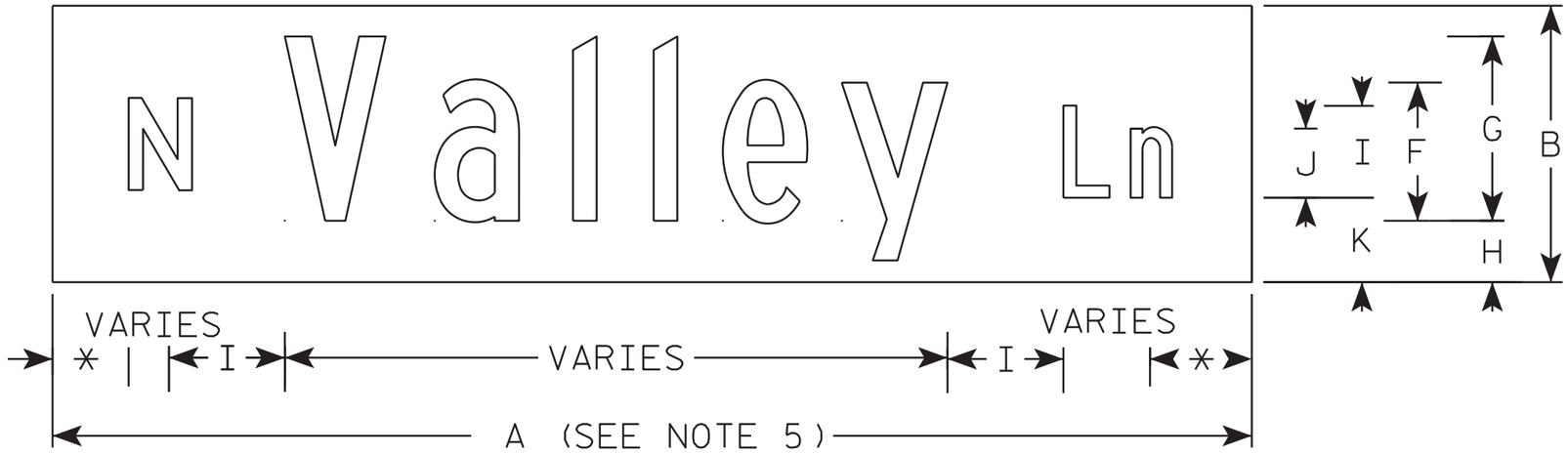
DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 445 | E

Typical for Overhead Street Name

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Type H Reflective
3. Message Series - D for Size 1 except when over 108" than Series C
   C for Size 2 except when over 108" use Series B
4. Base material shall be 0.125 aluminmum
5. Width may be no more than 108"



M1-94H

*Minimum dimension is 6 inch for Size 2 and 4 inch for Size 1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	Varies	18				6	8	5 5/8	4	3	6 5/8																Varies
2	Varies	18				9	12	4	6	4 1/2	5 1/2																Varies
3																											
4																											
5																											

STANDARD SIGN
M1-94H

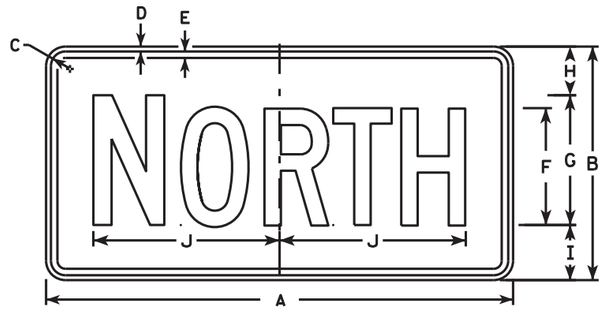
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

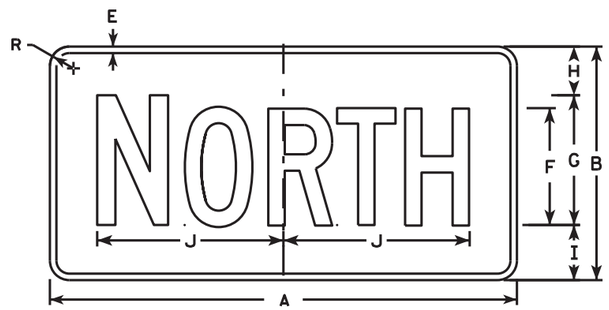
DATE 10/16/14 PLATE M1-94H.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W194H.DGN PLOT DATE : 16-OCT-2014 14:51 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 9.631919:1.000000 WISDOT/CADDS SHEET 42



M3-1
MM3-1
MP3-1



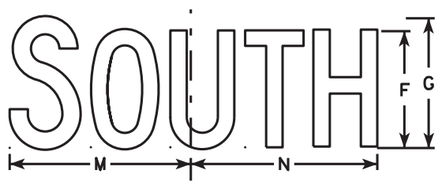
MB3-1
MK3-1
MN3-1



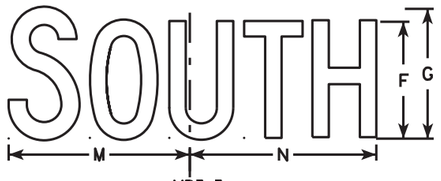
M3-2
MM3-2
MP3-2



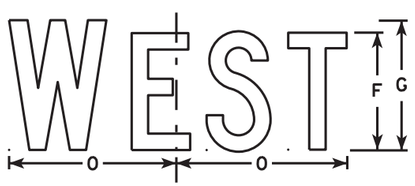
MB3-2
MK3-2
MN3-2



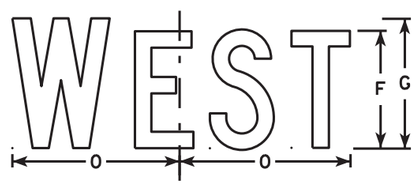
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	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 7/8	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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

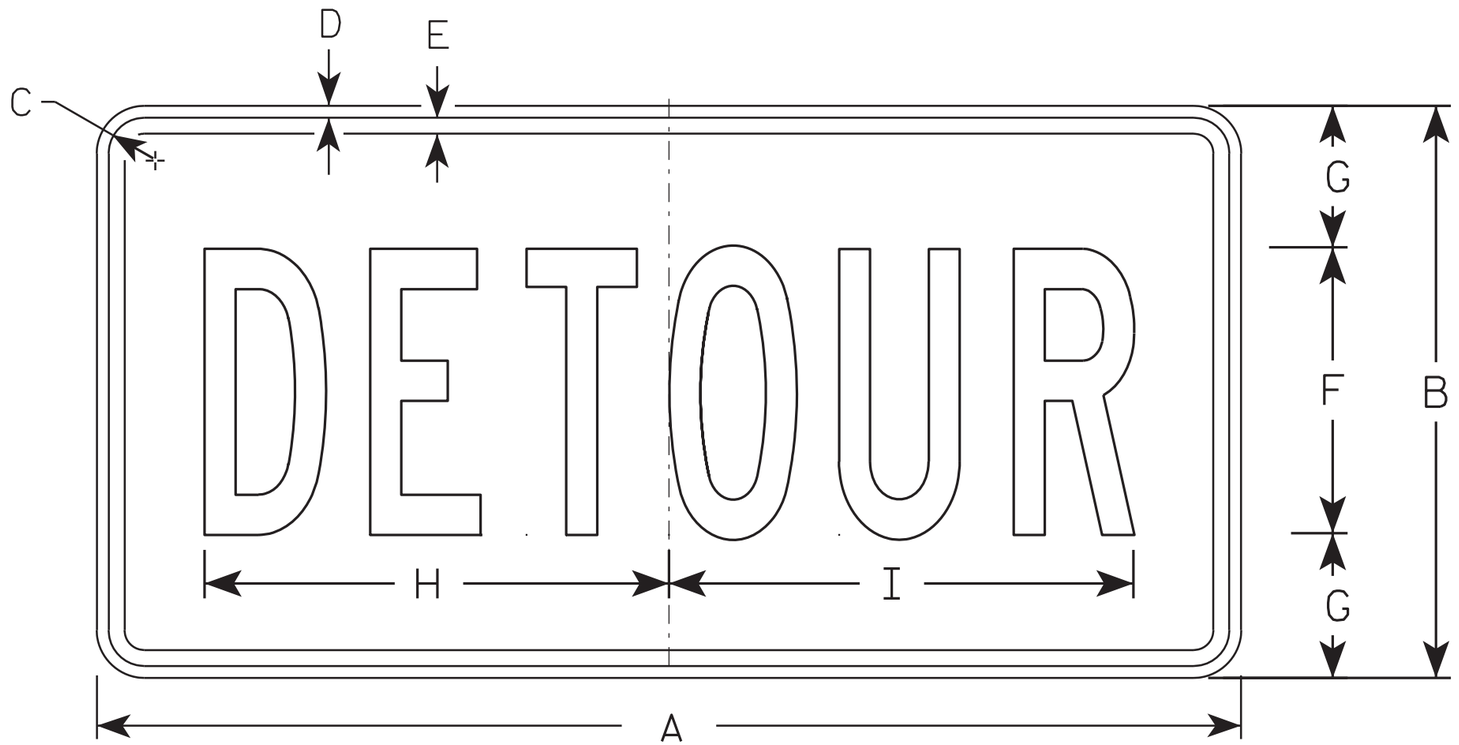
APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 15-OCT-2015 12:16 PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : 18.607113:1.000000
WISDOT/CADDS SHEET 42



M4-8

NOTES

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 - B
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

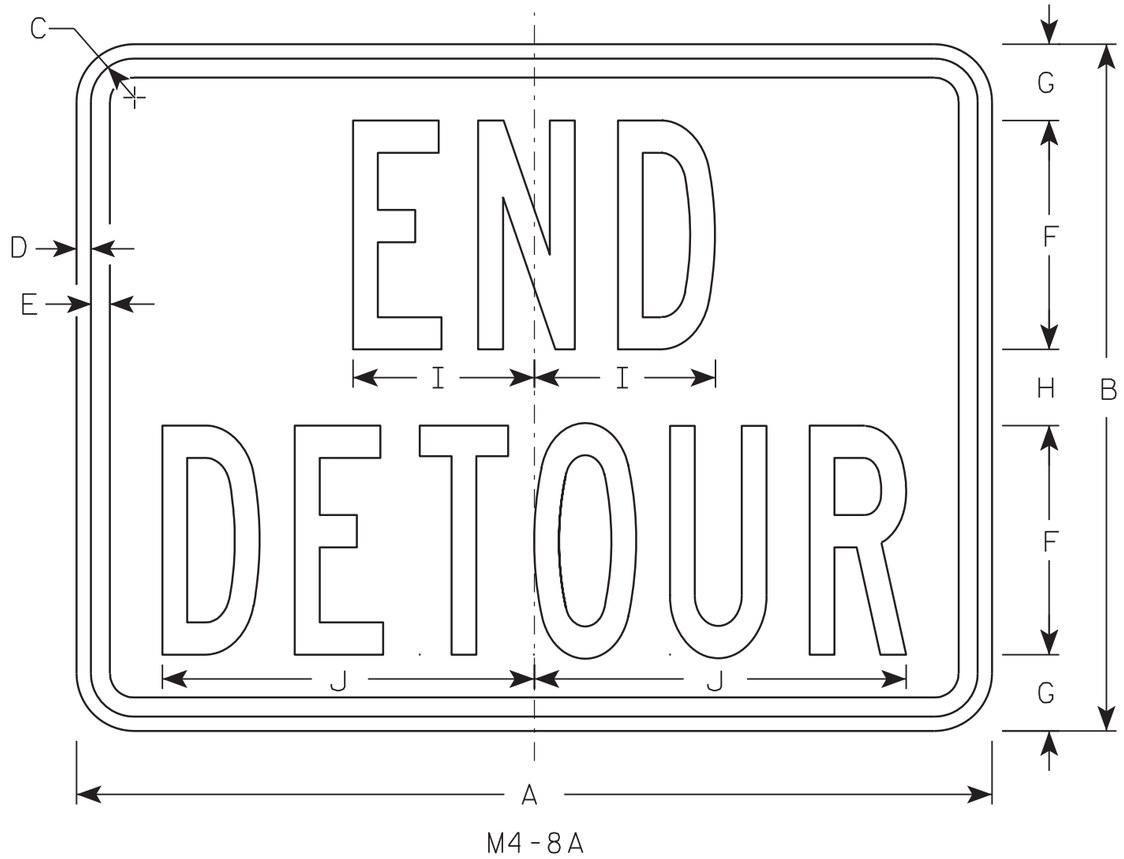
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 448	E



M4-8A

NOTES

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 - B
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

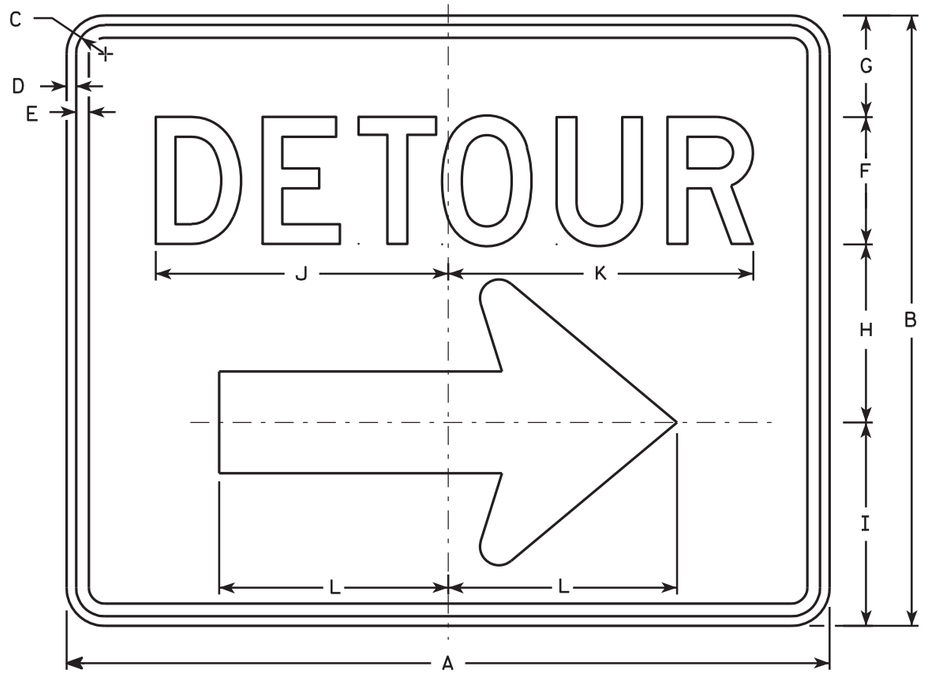
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

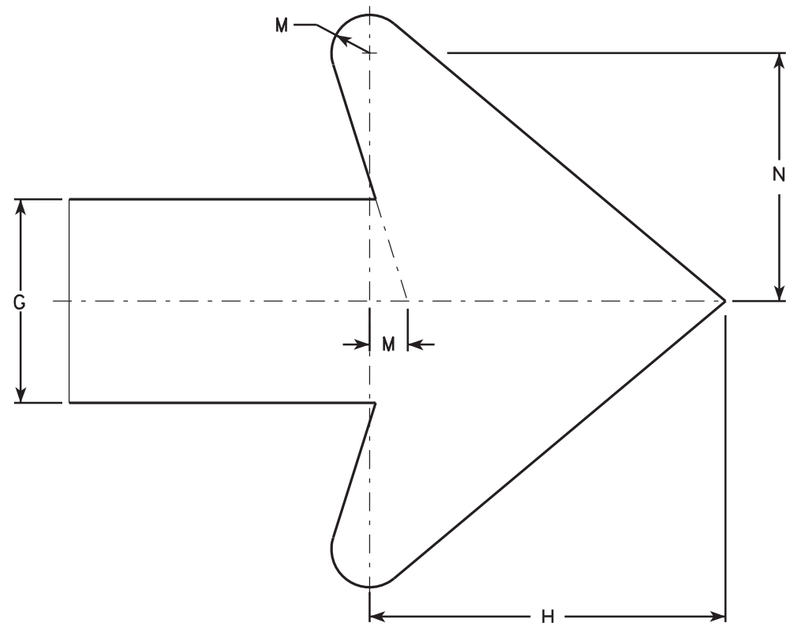
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 449	E



M4-9R

NOTES

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 - 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. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

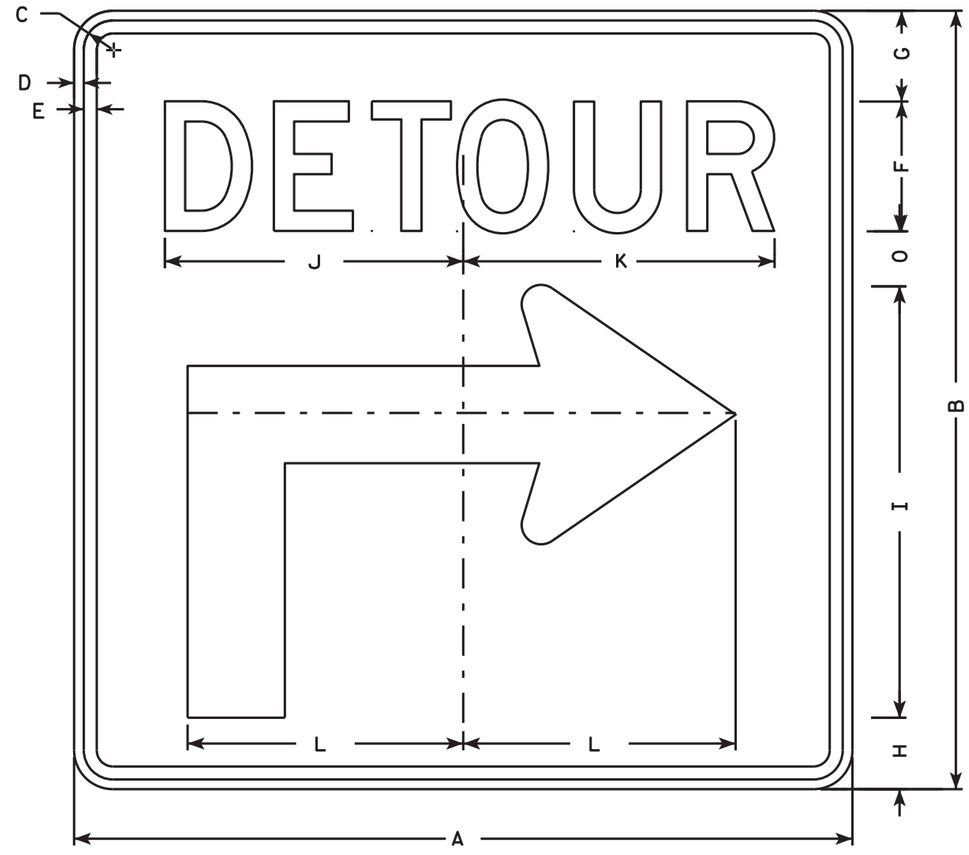
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

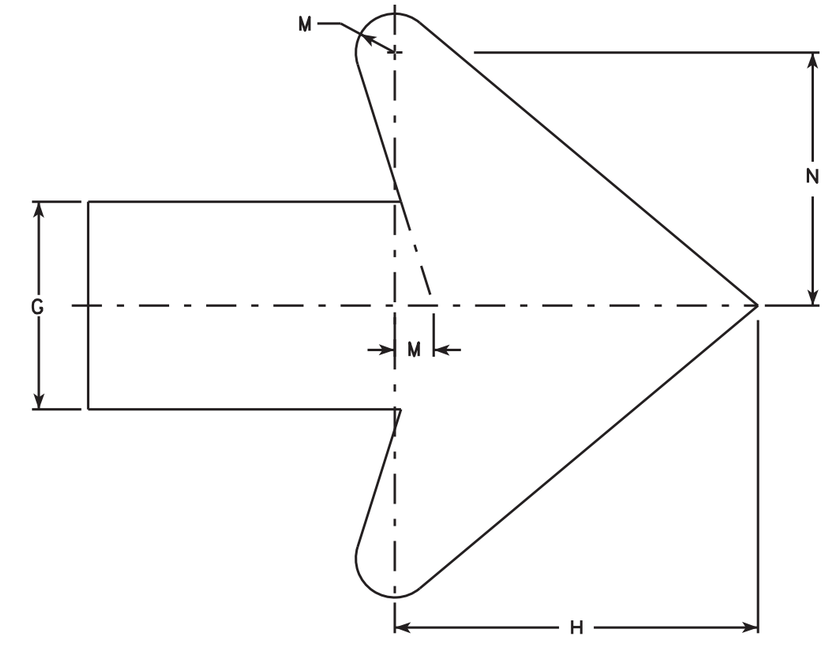
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 450	E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   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.
5. M4-59L is the same as M4-59R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

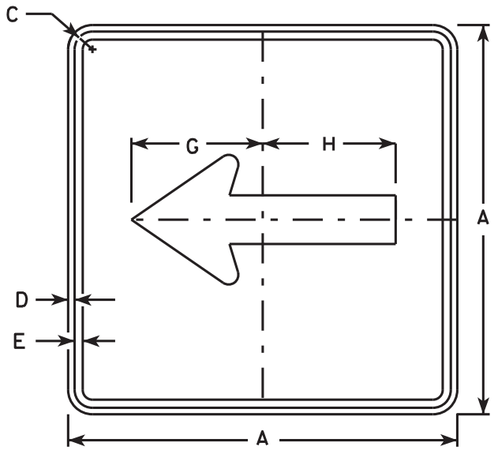
STANDARD SIGN
M4-59 L&R

WISCONSIN DEPT OF TRANSPORTATION

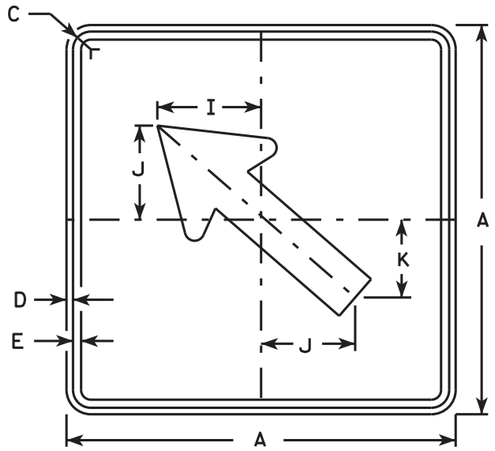
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE NO. M4-59.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



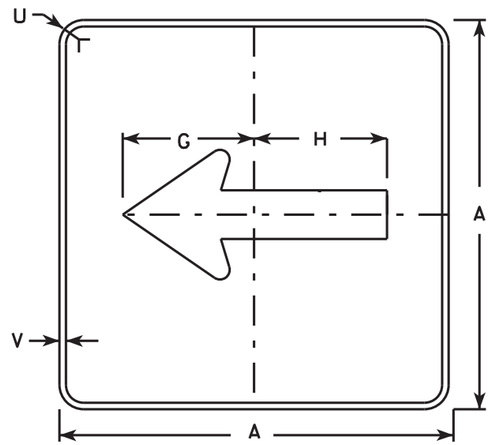
M6-1
MM6-1
MO6-1
MP6-1



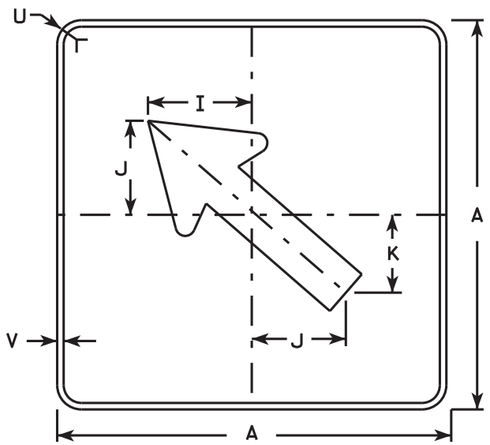
M6-2
MM6-2
MO6-2
MP6-2

NOTES

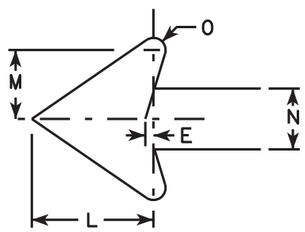
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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
   MO6-1 and MO6-2 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



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	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 7/8	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 7/8	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 7/8	1/2						6.25

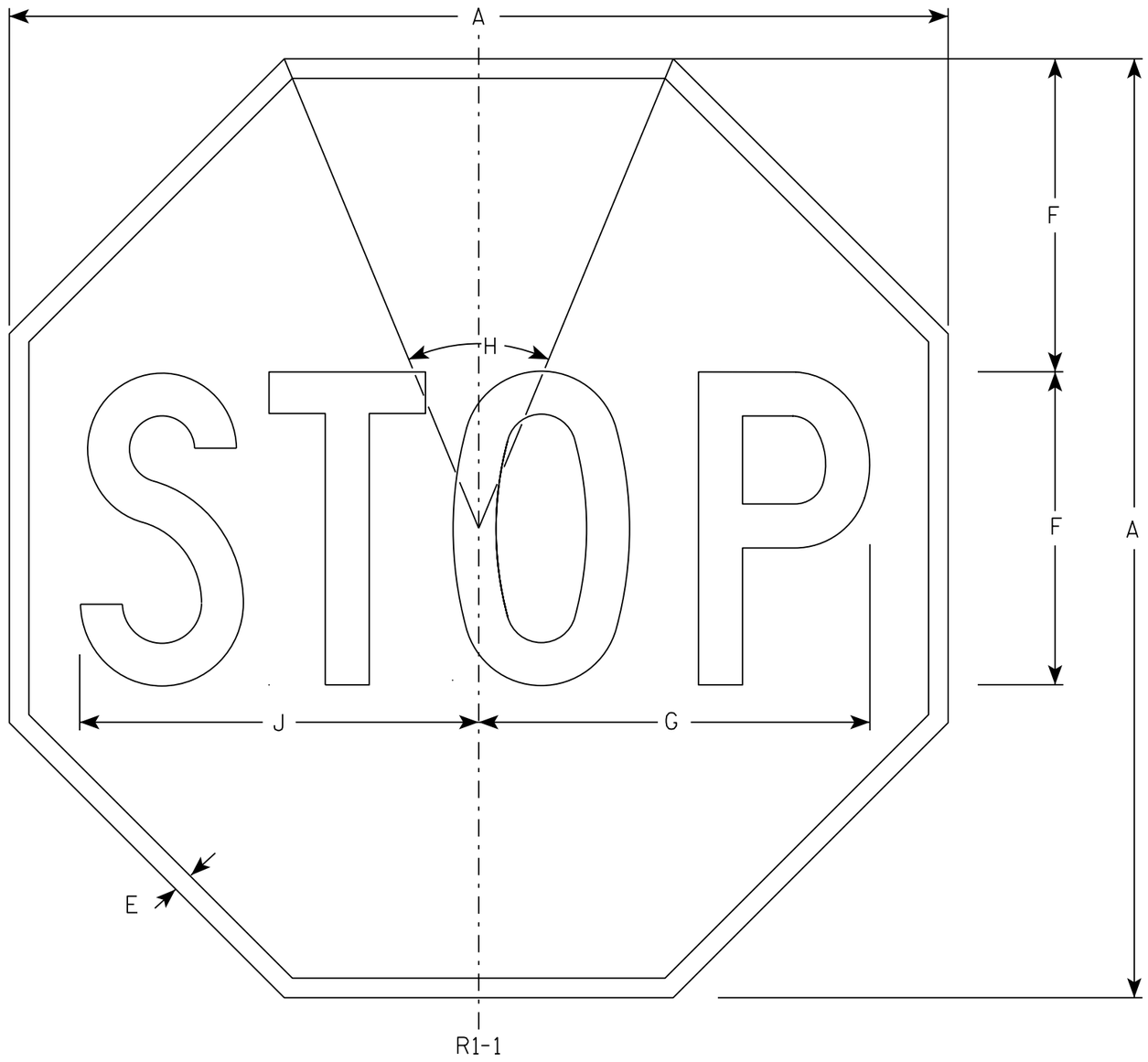
STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



NOTES

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 - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

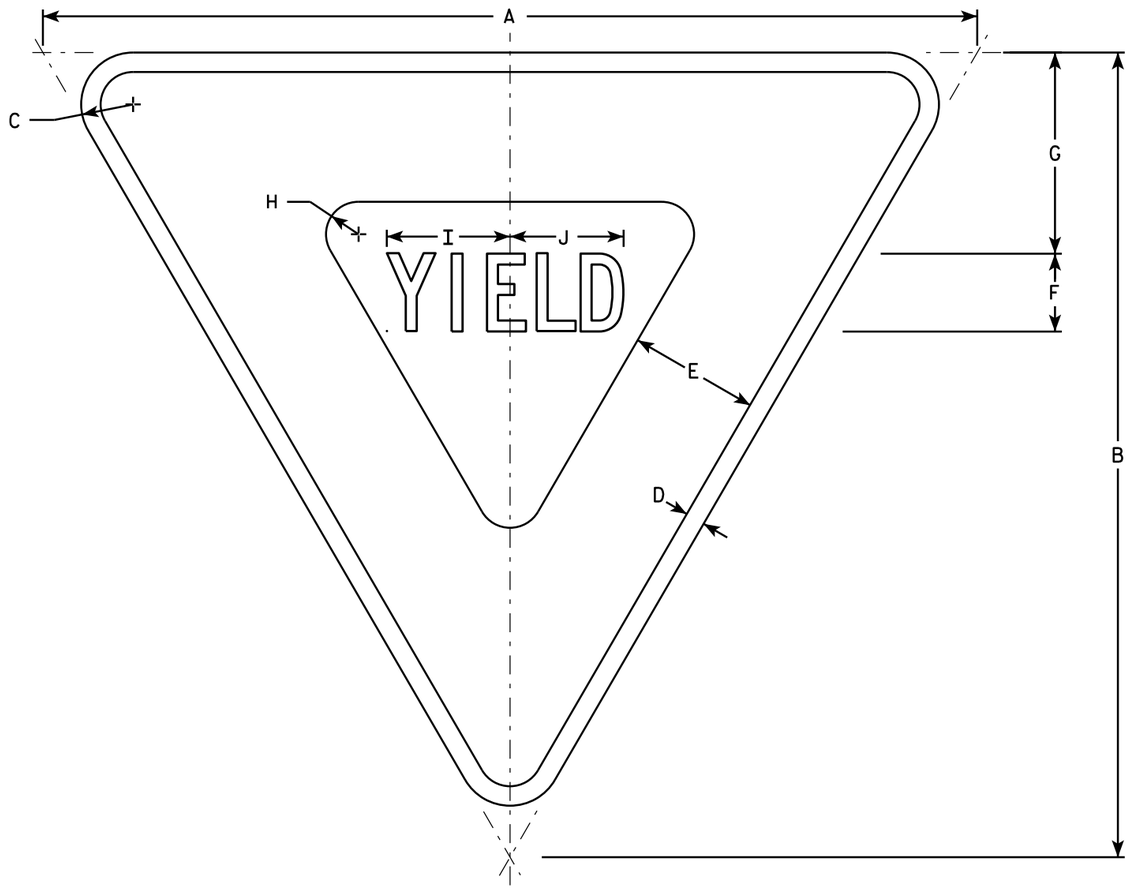
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 453	E



R1-2

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 - 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. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

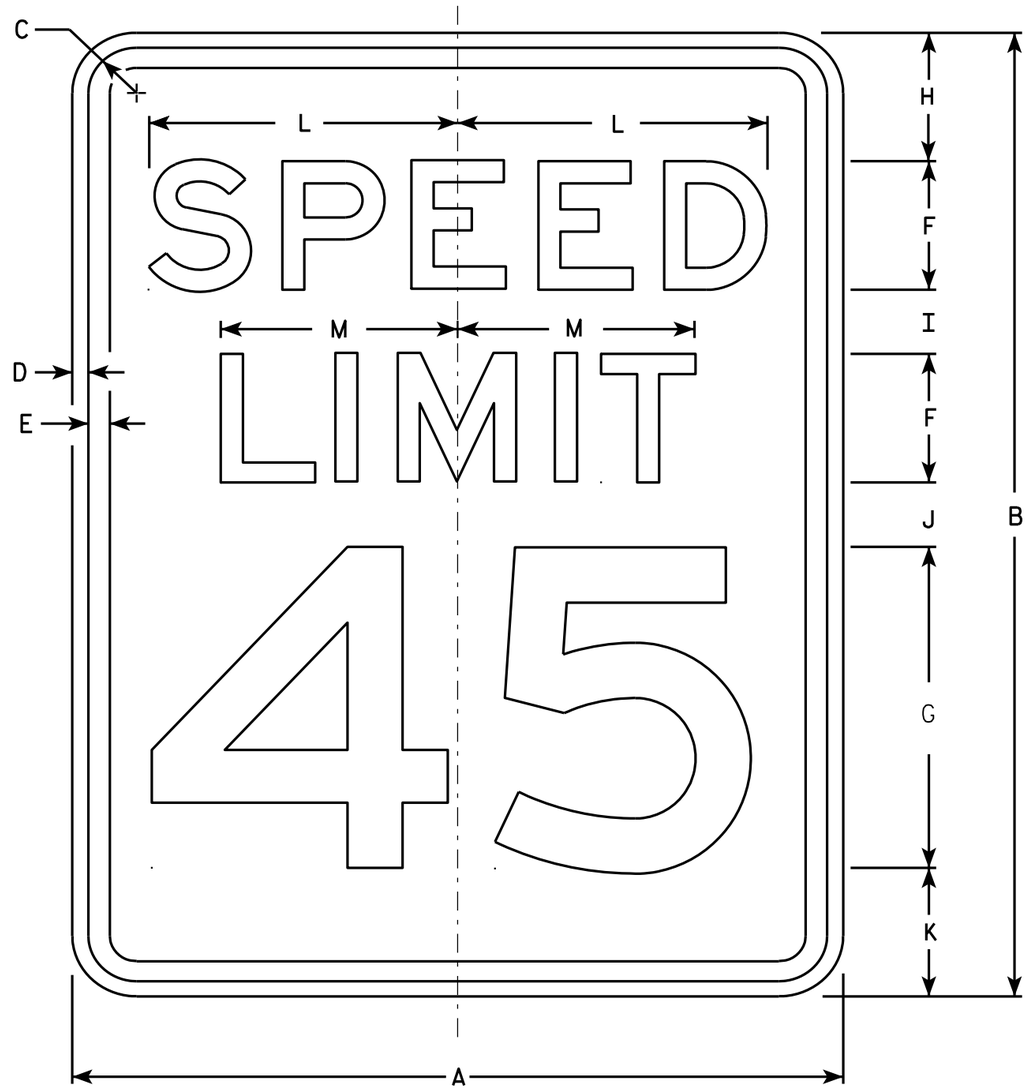
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

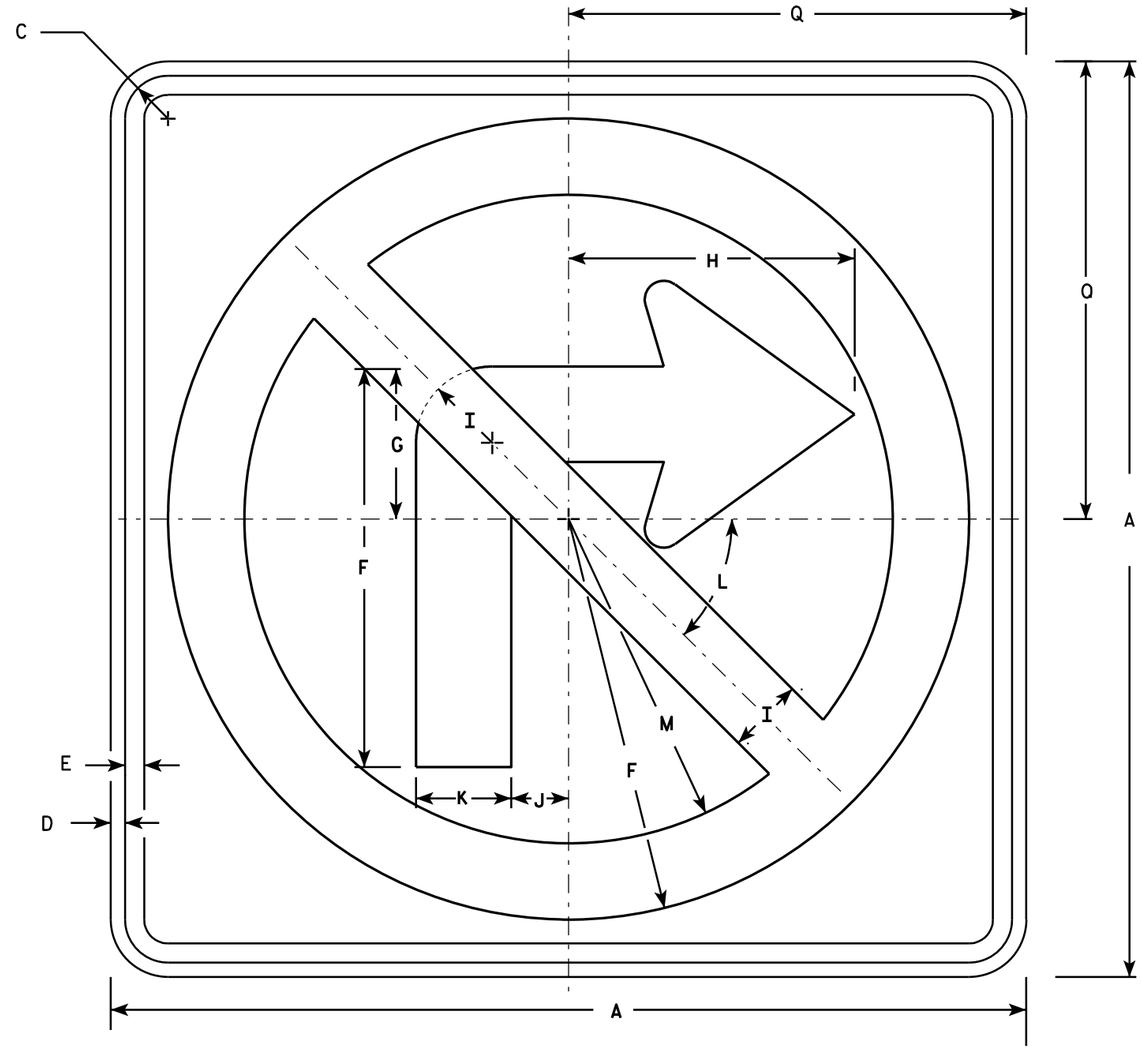
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

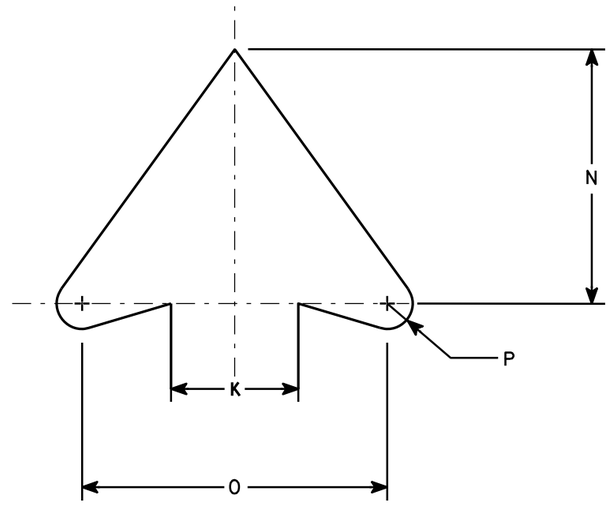
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 455	E



R3-1

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 - 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

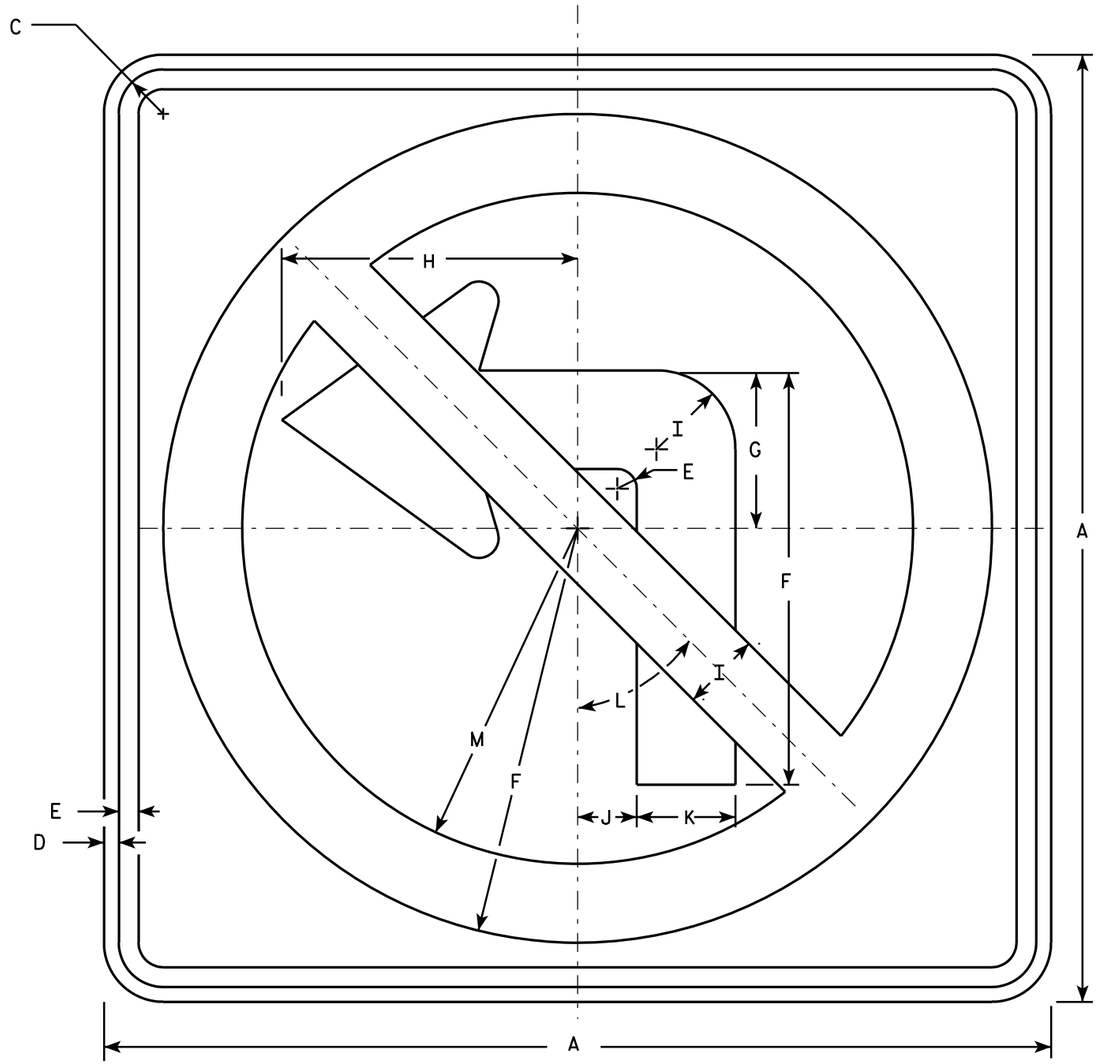
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

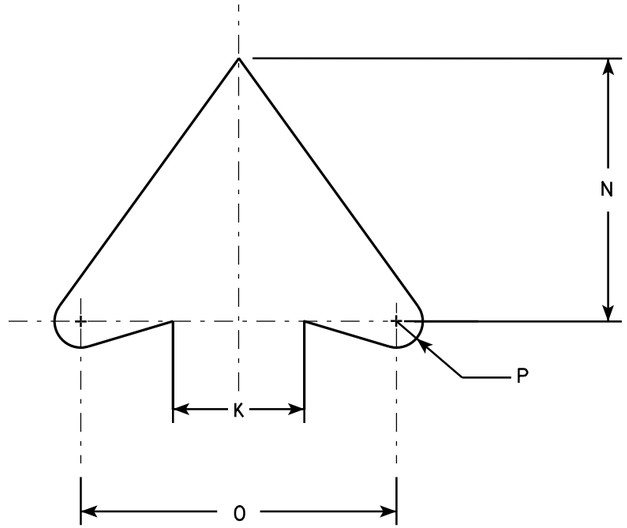
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 456	E



R3-2

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 - 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

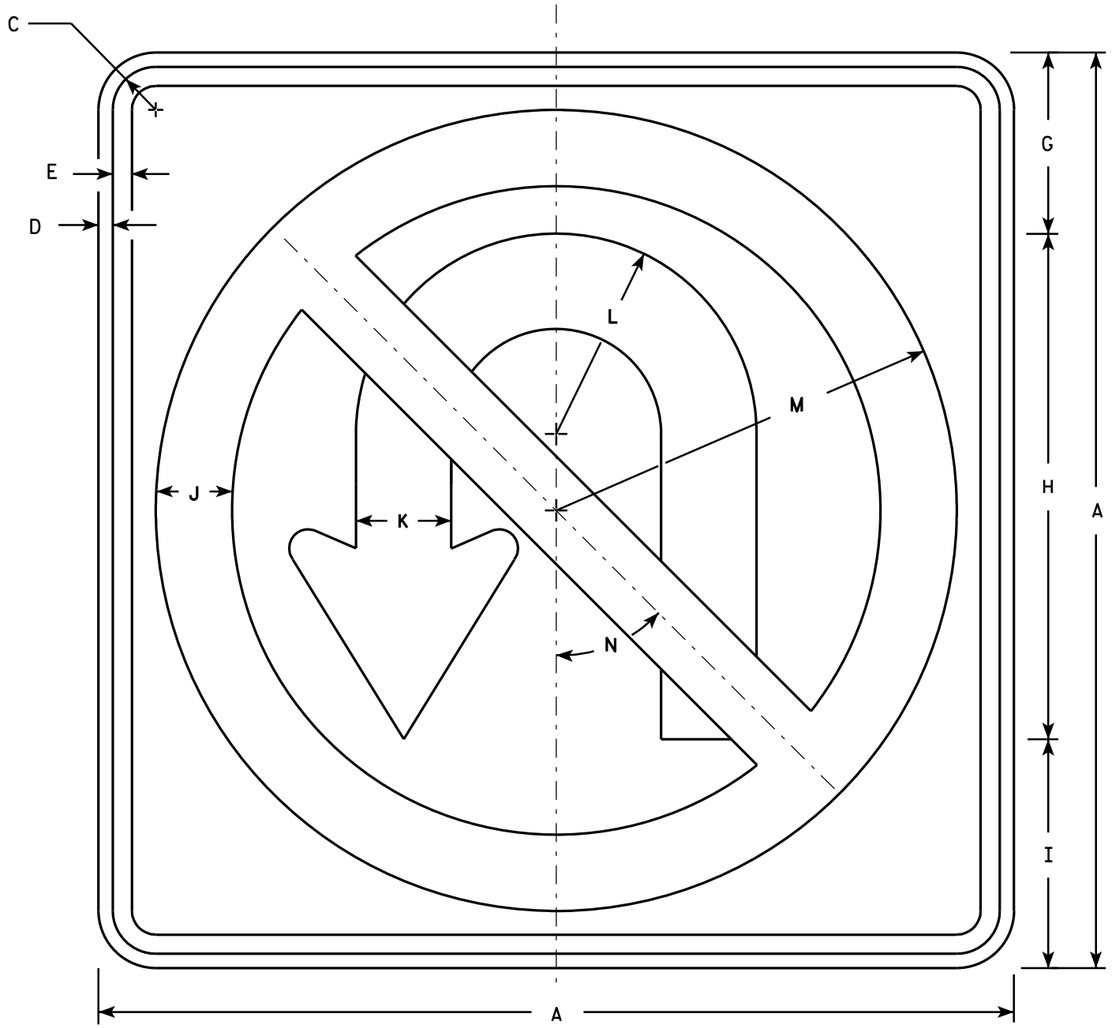
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

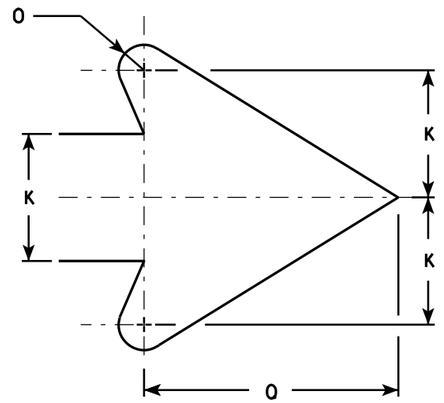
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 457	E



R3-4

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 - 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

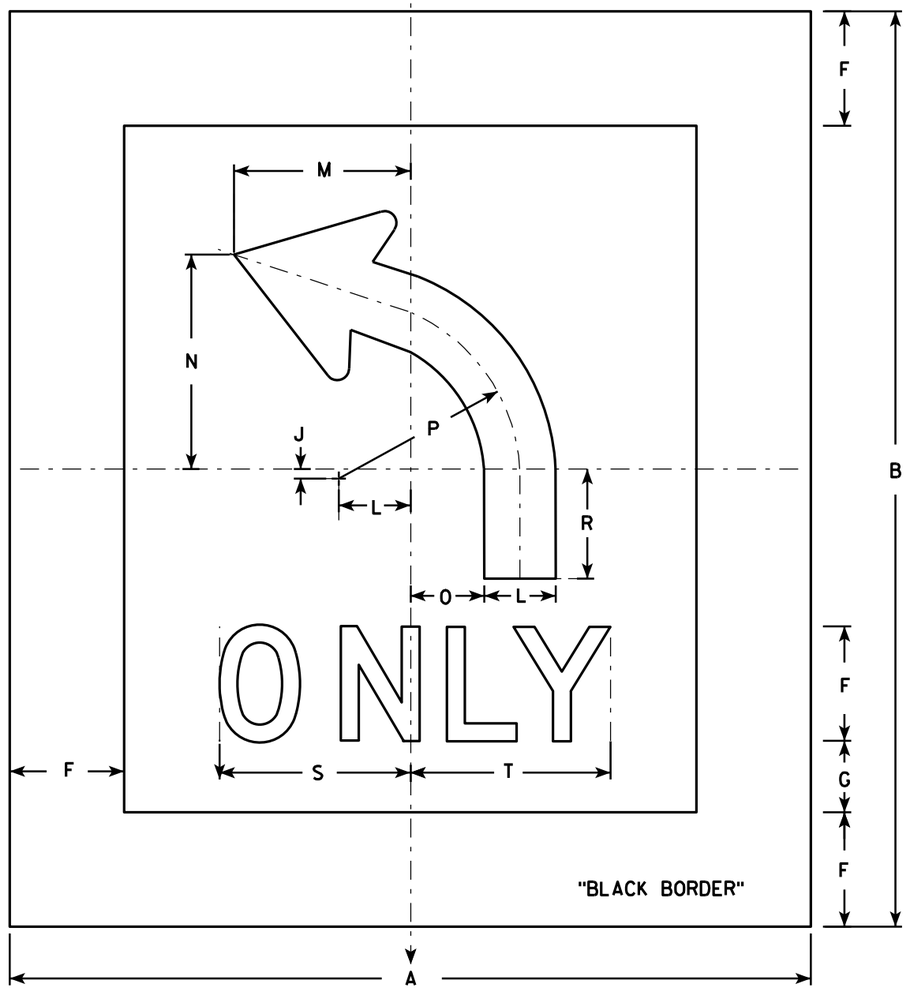
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

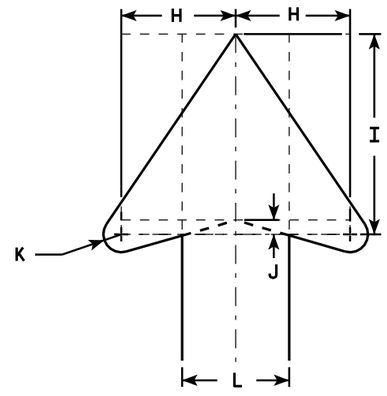
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 458	E



R3-5L

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 - D
4. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
5. R3-5R is the same as R3-5L except curved portion of arrow points right.
6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

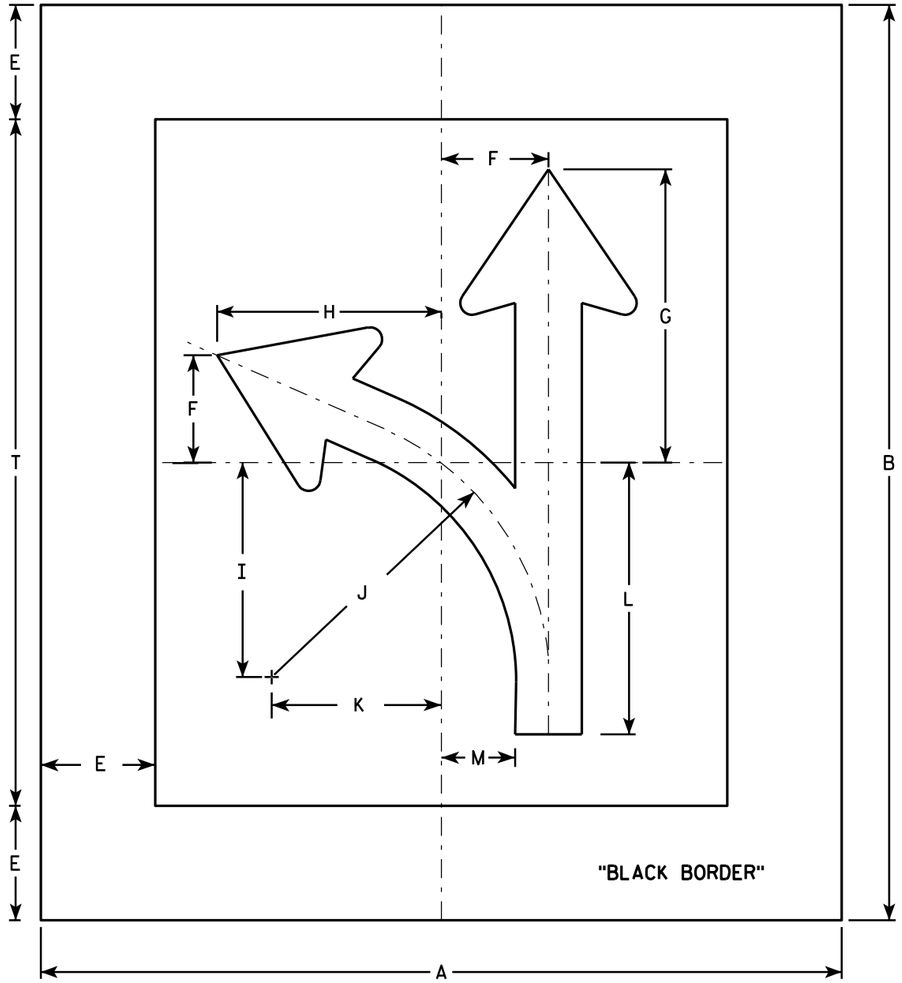
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

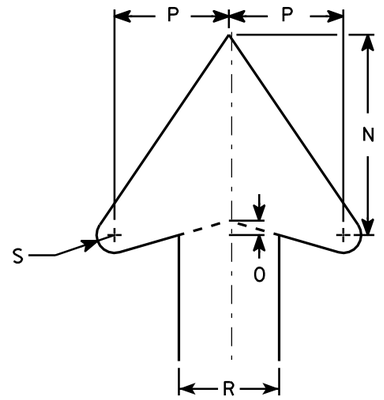
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 459 | E



R3-6L

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. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
4. R3-6R is the same as R3-6L except curved portion of arrow points right.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
2M	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
3																											
4																											
5																											

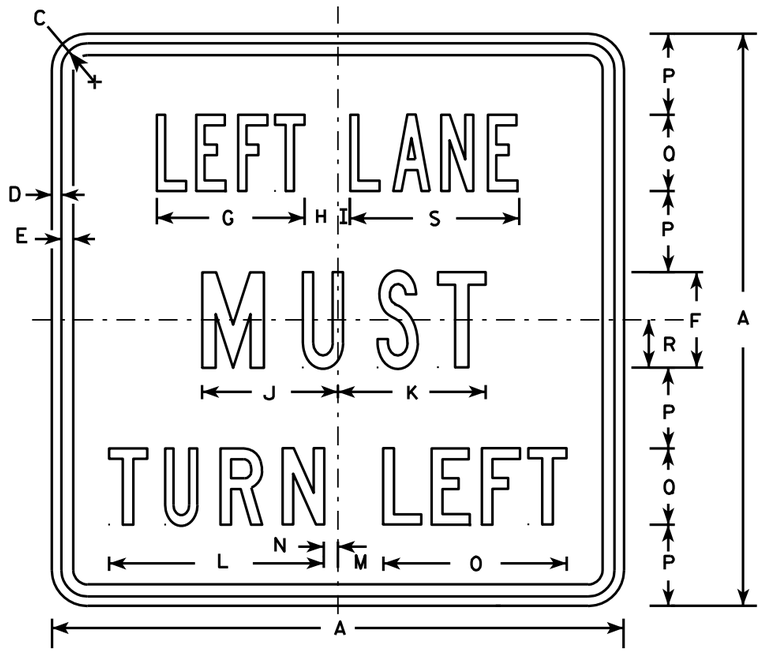
STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

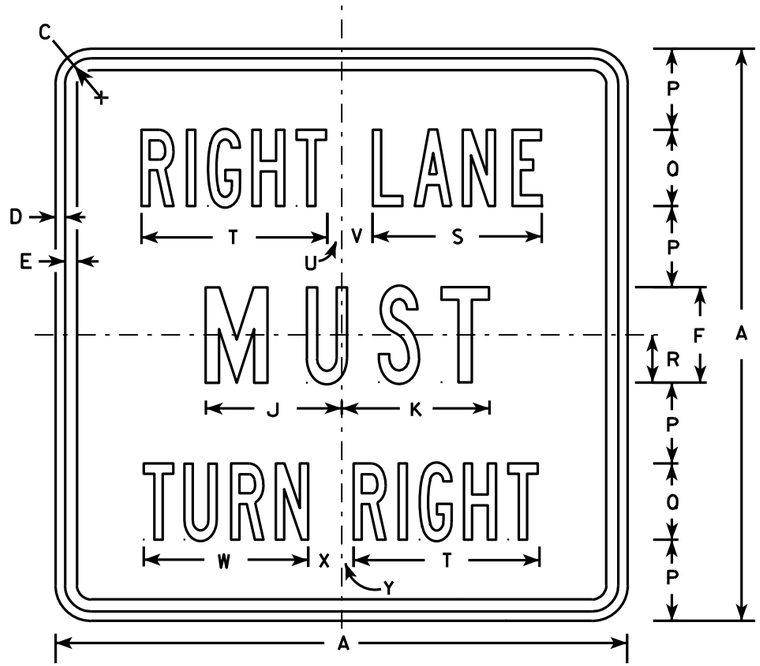
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-6.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 460 | E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

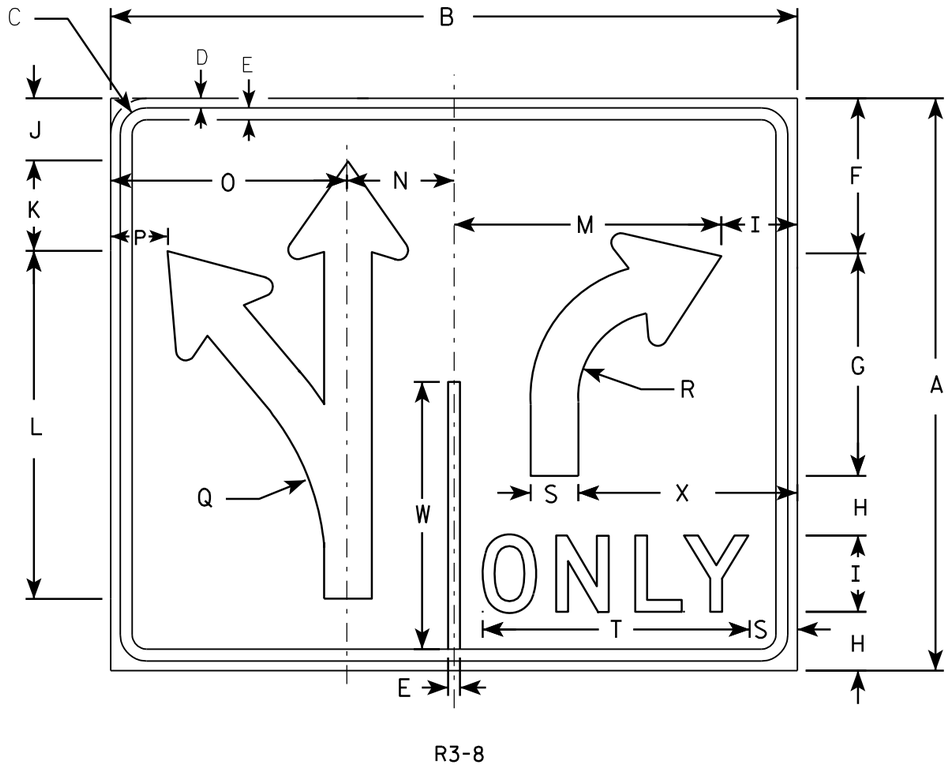
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

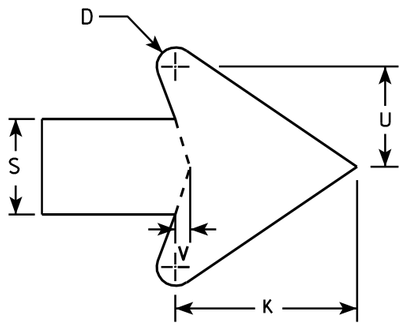
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 461	E



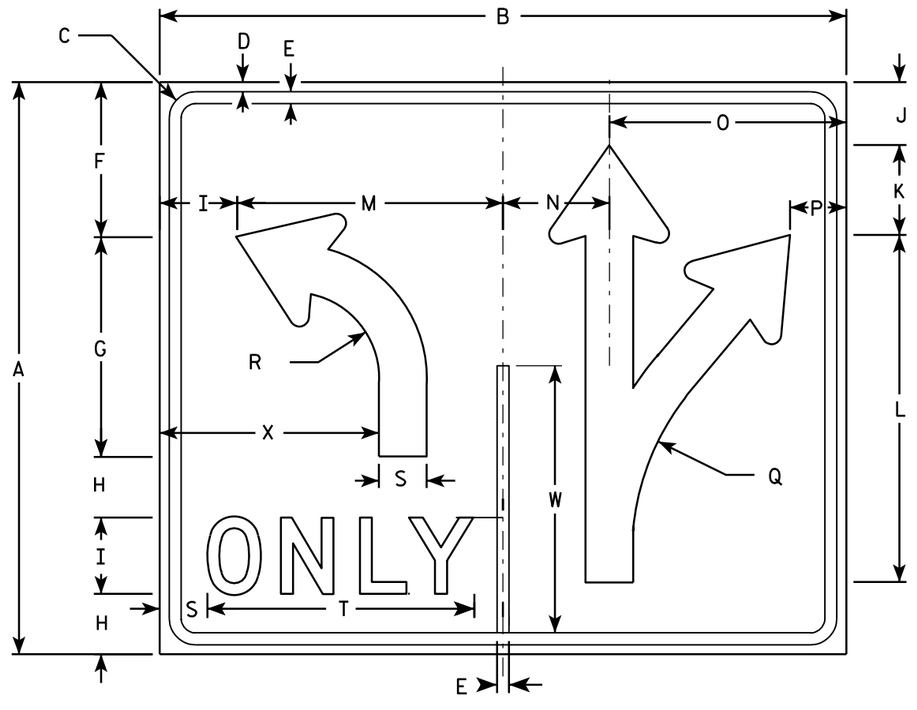
R3-8



ARROW DETAIL

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 - 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.



R3-8A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0

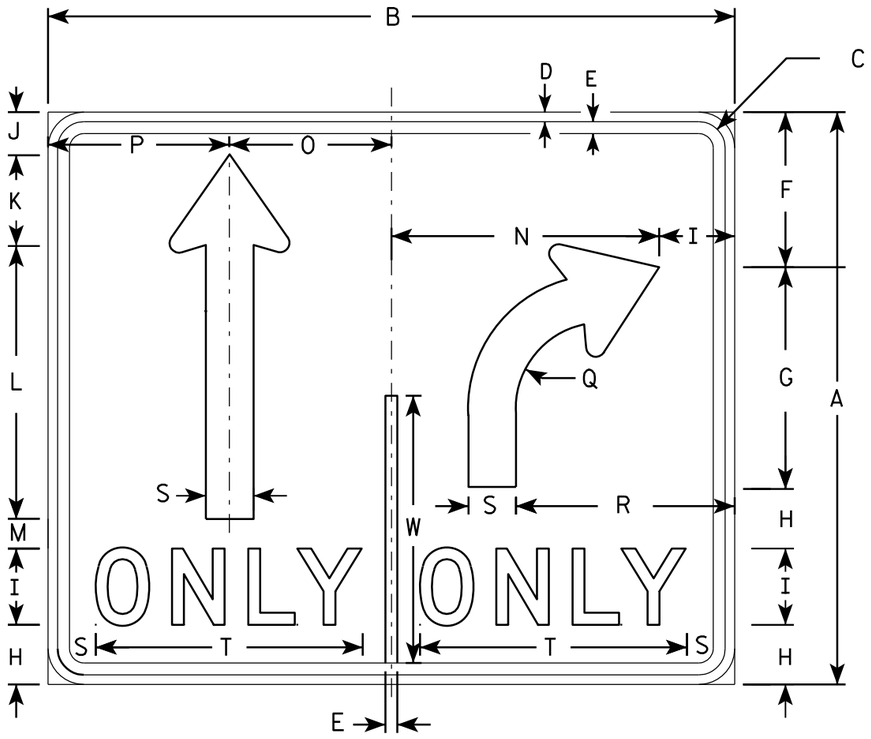
STANDARD SIGN
R3-8 & R3-8A

WISCONSIN DEPT OF TRANSPORTATION

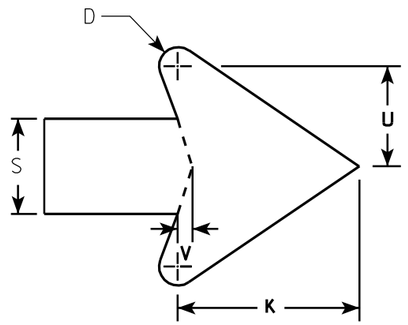
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 462	E



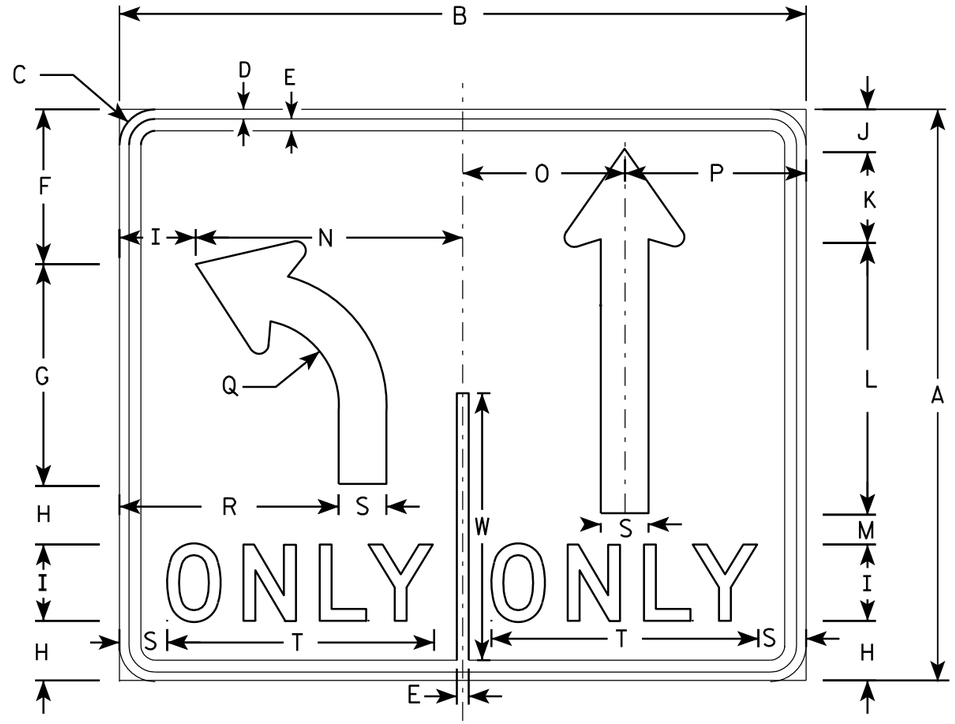
R3-8D



ARROW DETAIL

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 - 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.



R3-8E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	14	8 1/2	9 1/2	4 1/2	11 1/2	2 1/2	14	2 5/8	3/8	14				7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7 1/8	21 1/2	4 3/4	21	12 3/4	14 1/4	7 1/4	17 1/8	3 3/4	20 5/8	4	5/8	22 3/8				18.0

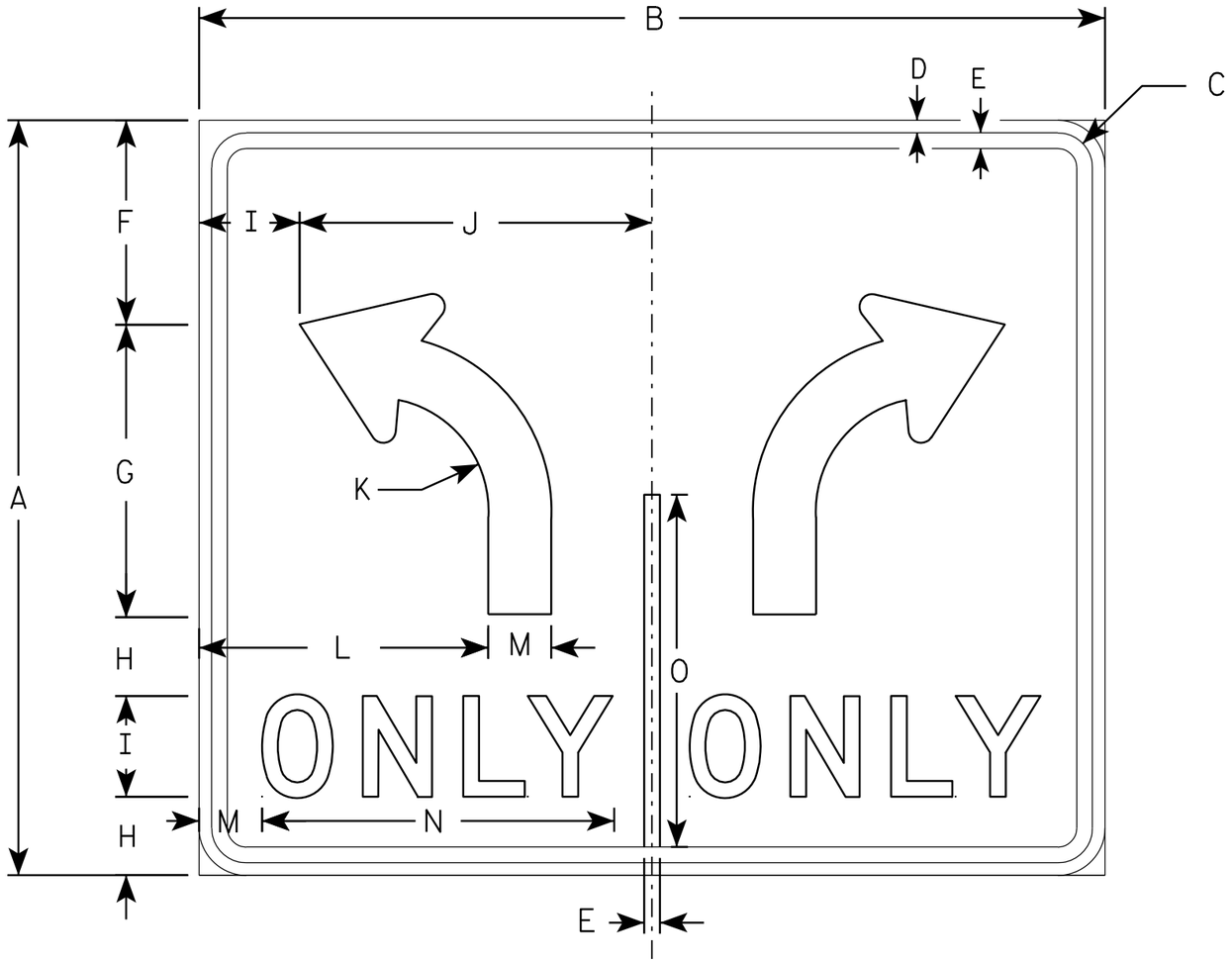
STANDARD SIGN
R3-8D & R3-8E

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8D.2

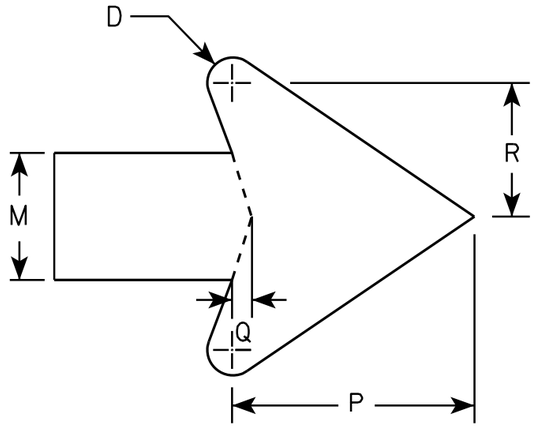
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 463	E



R3-8F

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 - 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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	14	4 1/2	11 1/2	2 1/2	14	14	4 3/4	3/8	2 5/8									7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	14	4 1/2	11 1/2	2 1/2	14	14	4 3/4	3/8	2 5/8									7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	21	7 1/4	17 1/4	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4									18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	21	7 1/4	17 1/4	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4									18.0

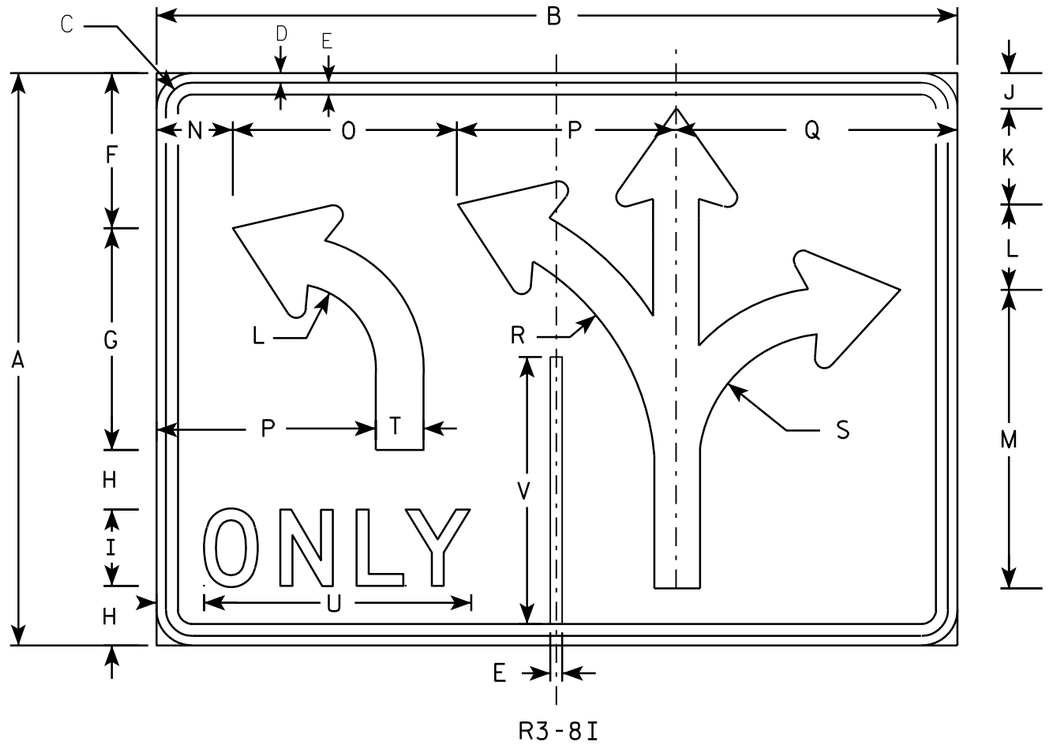
STANDARD SIGN
R3-8F

WISCONSIN DEPT OF TRANSPORTATION

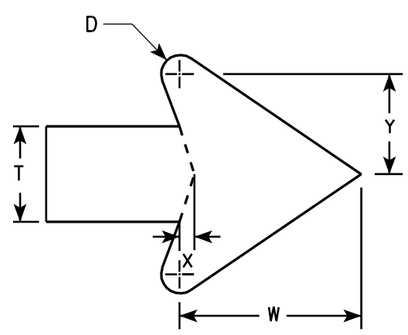
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8F.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 464 | E



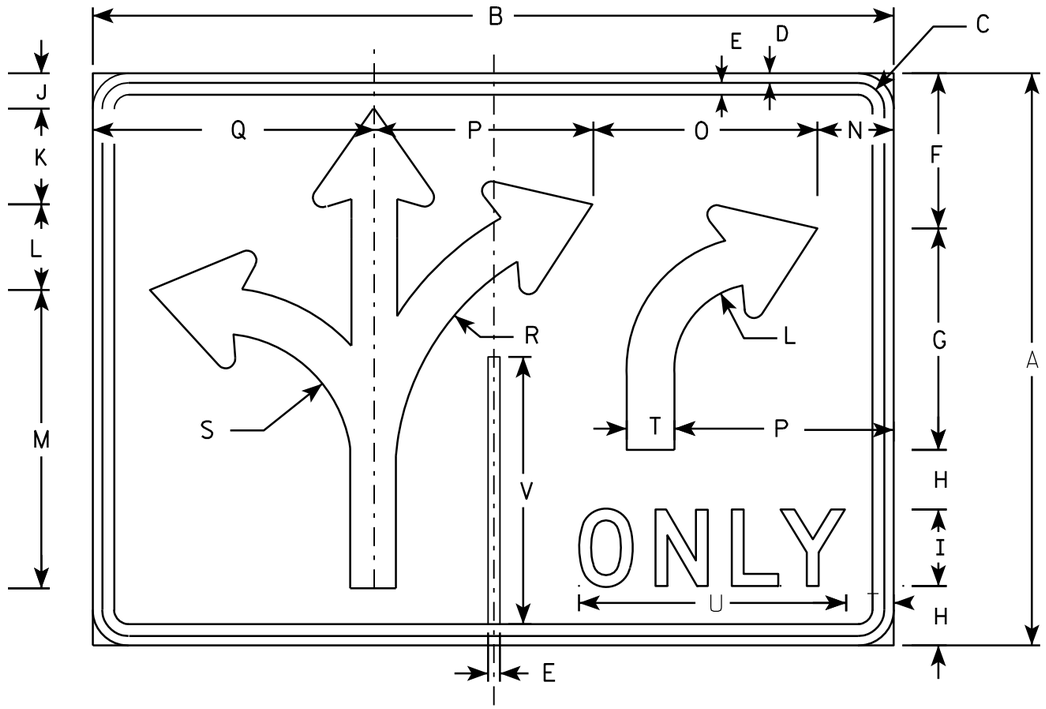
R3-8I



ARROW DETAIL

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 - 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.



R3-8J

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	1 7/8	5	4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8		8.75
2M	30	42	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	1 7/8	5	4 1/2	15 5/8	4	11 3/4	11 1/2	14 3/4	13 1/4	7	2 1/2	14	14	4 3/4	3/8	2 5/8		8.75
3																											
4	48	66	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/8	7 7/8	7 1/4	24 7/8	6 1/4	18 1/2	18	23 1/8	21 1/4	11 1/8	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4		22.0
5	48	66	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/8	7 7/8	7 1/4	24 7/8	6 1/4	18 1/2	18	23 1/8	21 1/4	11 1/8	3 3/4	20 5/8	22 3/8	7 1/8	5/8	4		22.0

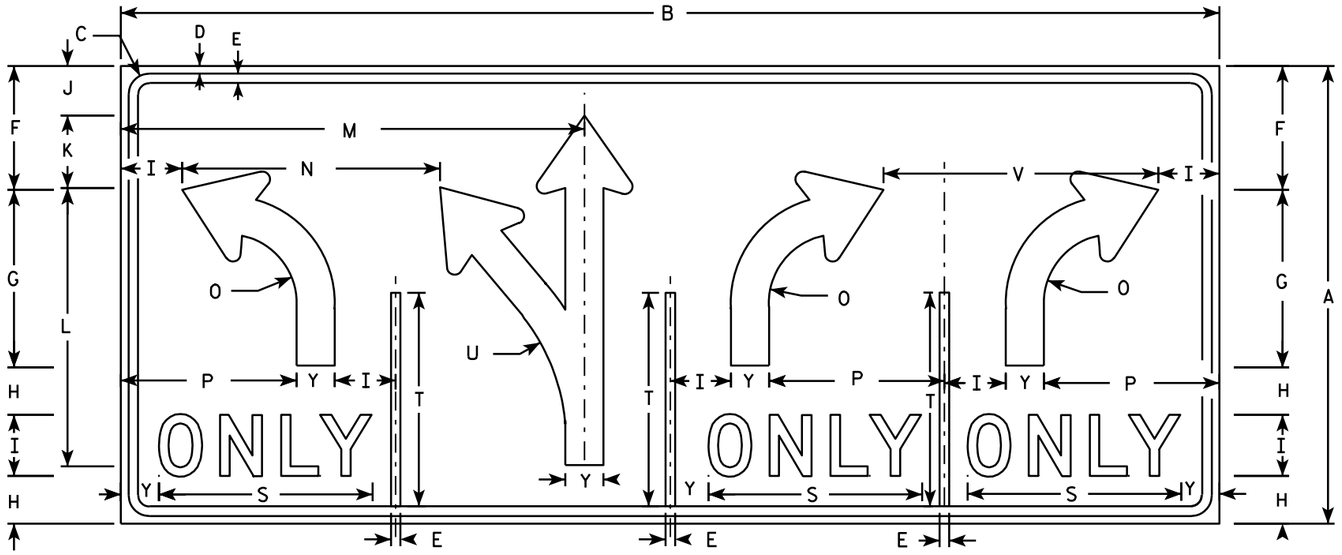
STANDARD SIGN
R3-8I & R3-8J

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8I.2

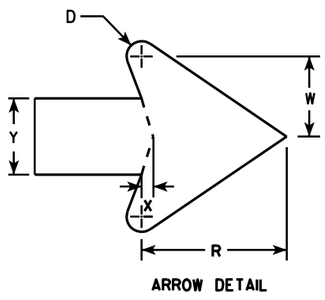
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 465	E



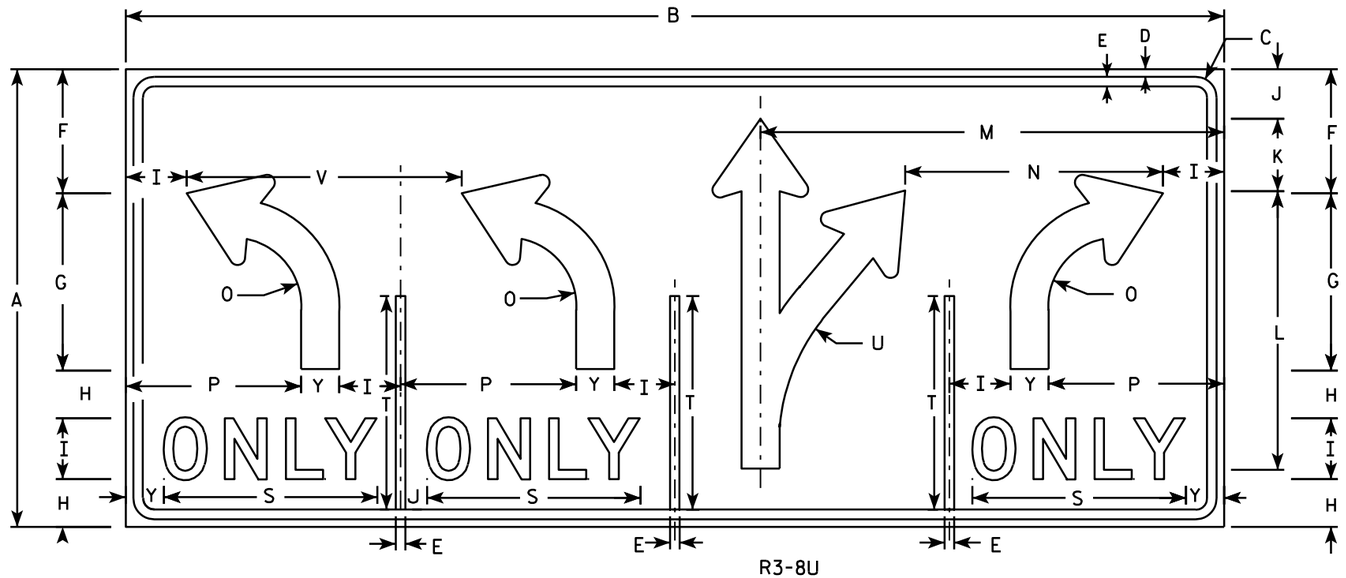
R3-8T

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 - 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.



ARROW DETAIL



R3-8U

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	72	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	30 3/8	16 7/8	4 1/2	11 1/2		4 3/4	14	14	13 1/4	18	2 5/8	3/8	2 1/2		15.0
2M	30	72	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	30 3/8	16 7/8	4 1/2	11 1/2		4 3/4	14	14	13 1/4	18	2 5/8	3/8	2 1/2		15.0
3																											
4	48	108	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	8 1/4	7 5/8	29 1/4	45 1/2	25 3/8	6 3/4	17 1/4		7 1/8	20 5/8	22 3/8	19 7/8	27	4	5/8	4		36.0
5	48	108	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	8 1/4	7 5/8	29 1/4	45 1/2	25 3/8	6 3/4	17 1/4		7 1/8	20 5/8	22 3/8	19 7/8	27	4	5/8	4		36.0

STANDARD SIGN
R3-8T & R3-8U

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

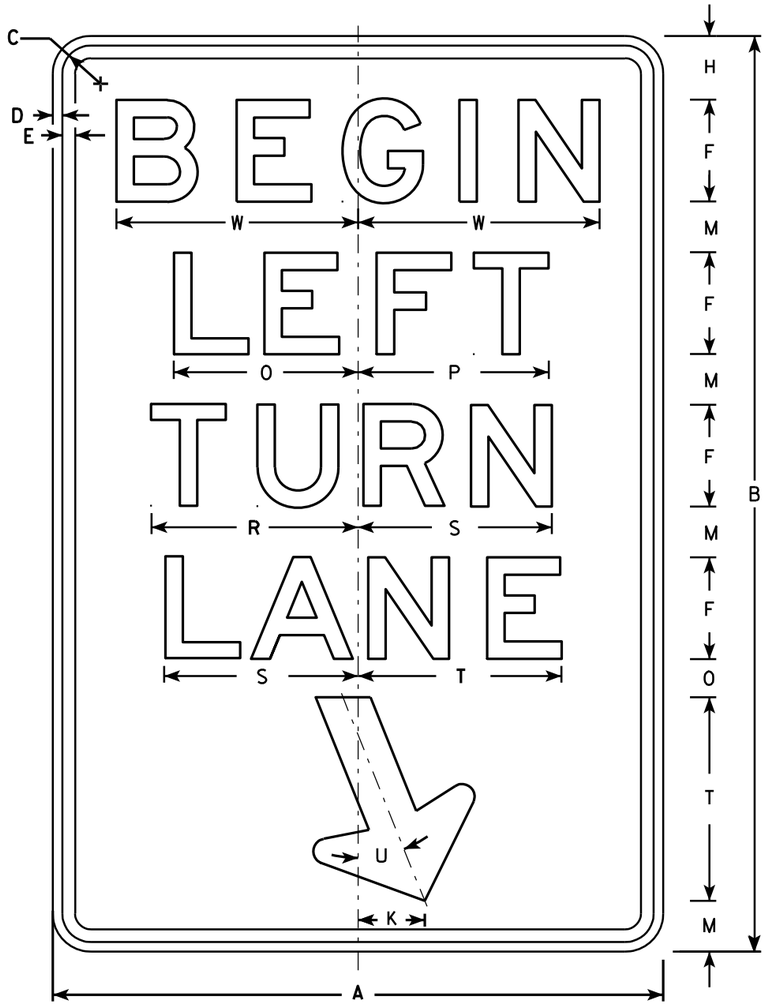
DATE 3/24/2011 PLATE NO. R3-8T.4

PROJECT NO:

SHEET NO: 466 E

7

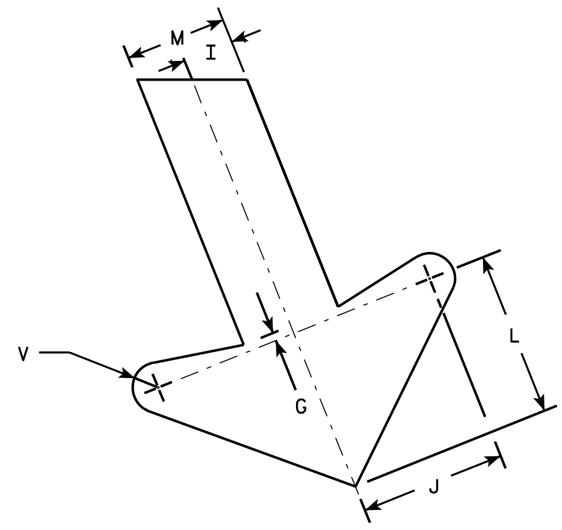
7



R3-20L

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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	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 7/8	2 5/8	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 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

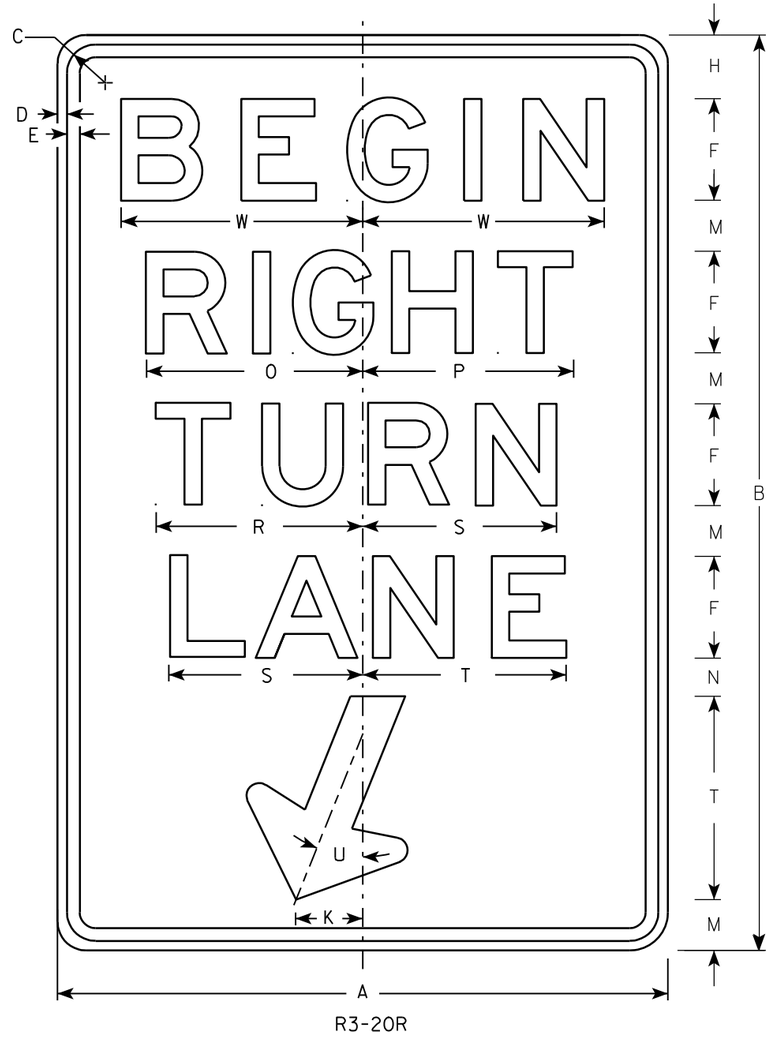
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

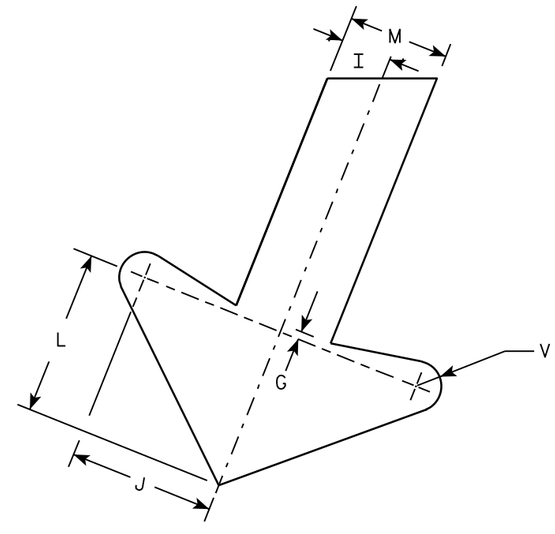
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 467 | E



R3-20R

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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		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 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		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 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

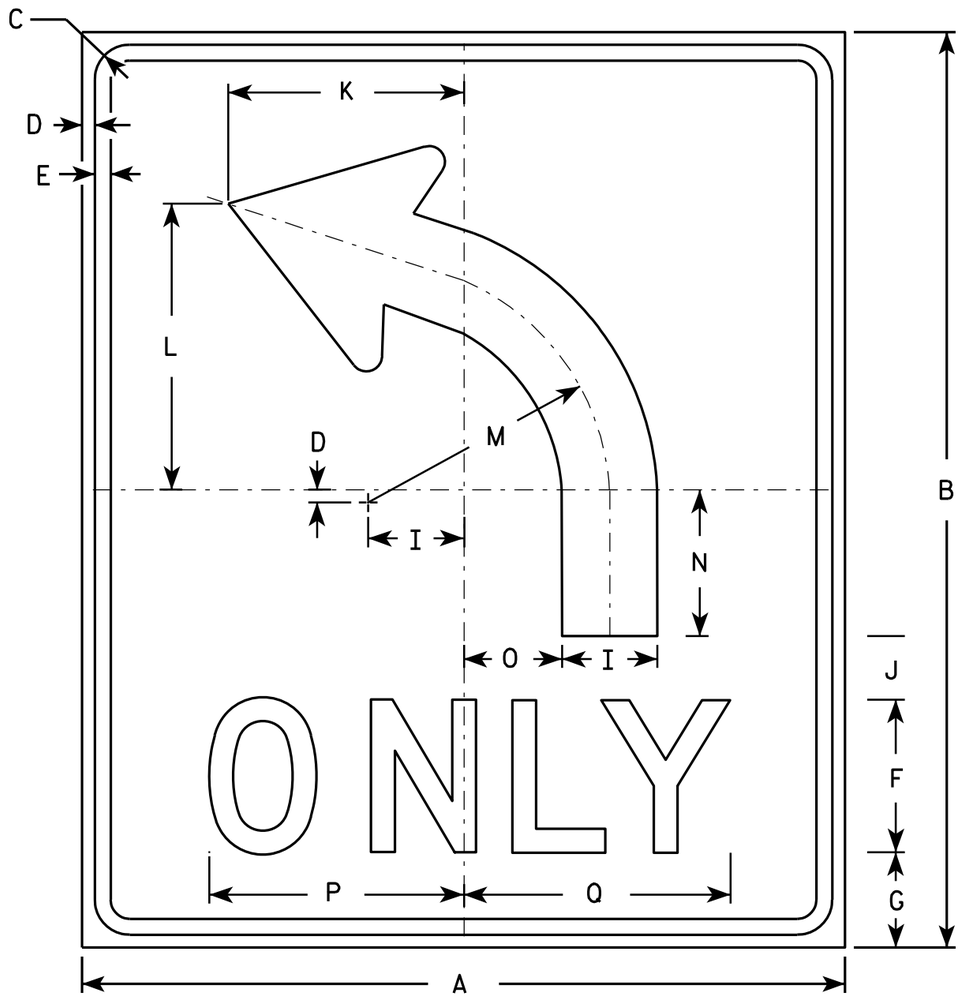
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

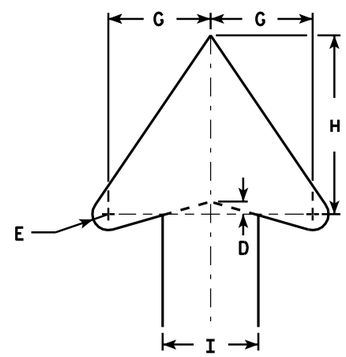
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 468 | E



R3-50L

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 - 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. R3-50R is the same as R3-50L except curved portion of arrow points right.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

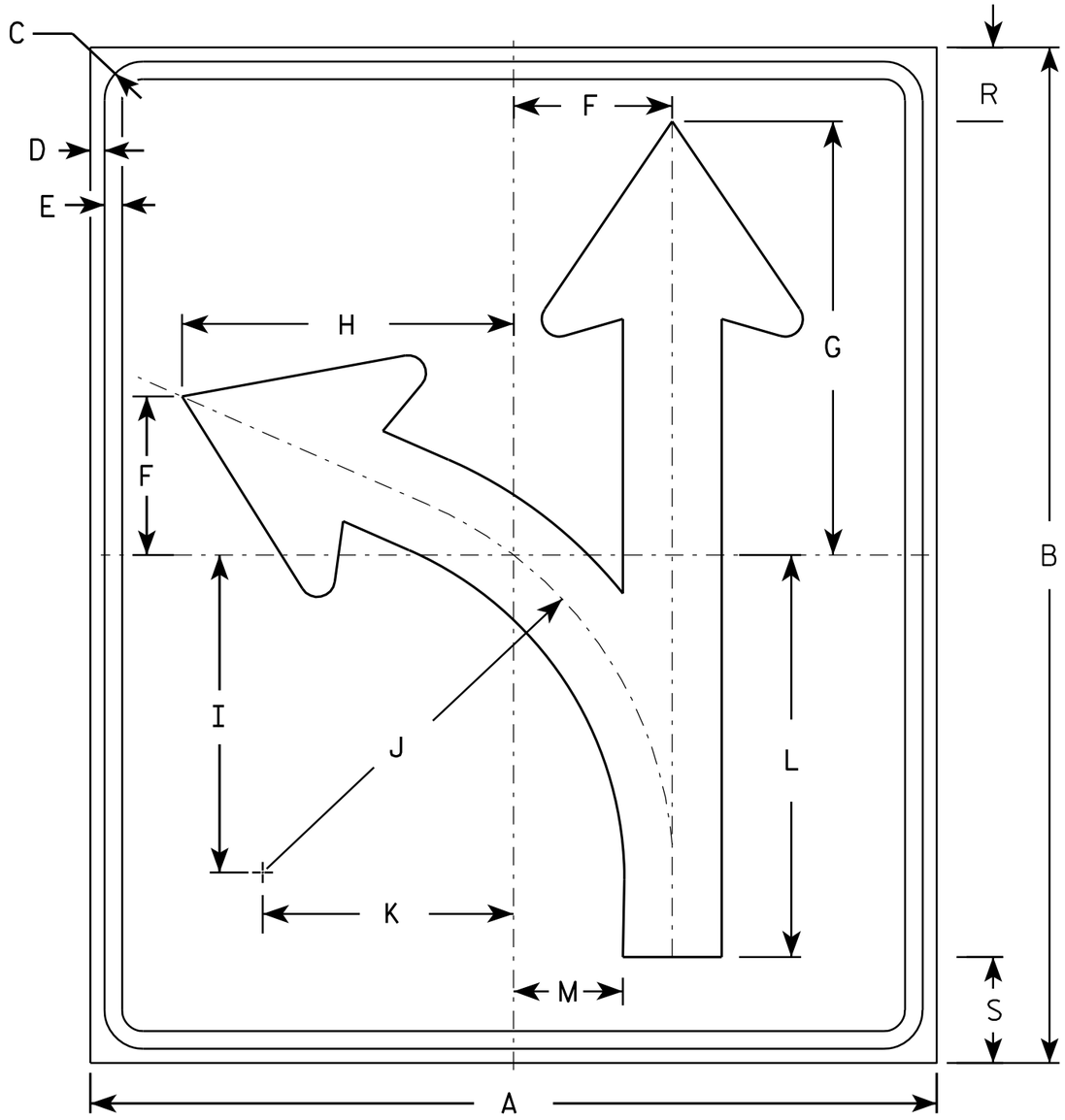
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

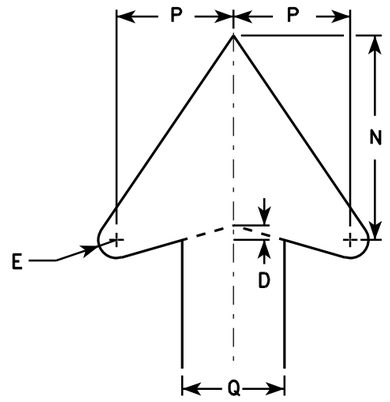
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 469	E



R3-60L

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. 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. R3-60R is the same as R3-60L except curved portion of arrow points to right.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	5 5/8	15 3/8	11 1/4	5 3/8	14 1/2	8 7/8	14 1/4	3 7/8	7		4	3 1/2	2 5/8	3 3/4								7.5
2M	30	36	1 3/8	1/2	5/8	5 5/8	15 3/8	11 1/4	5 3/8	14 1/2	8 7/8	14 1/4	3 7/8	7		4	3 1/2	2 5/8	3 3/4								7.5
3																											
4																											
5																											

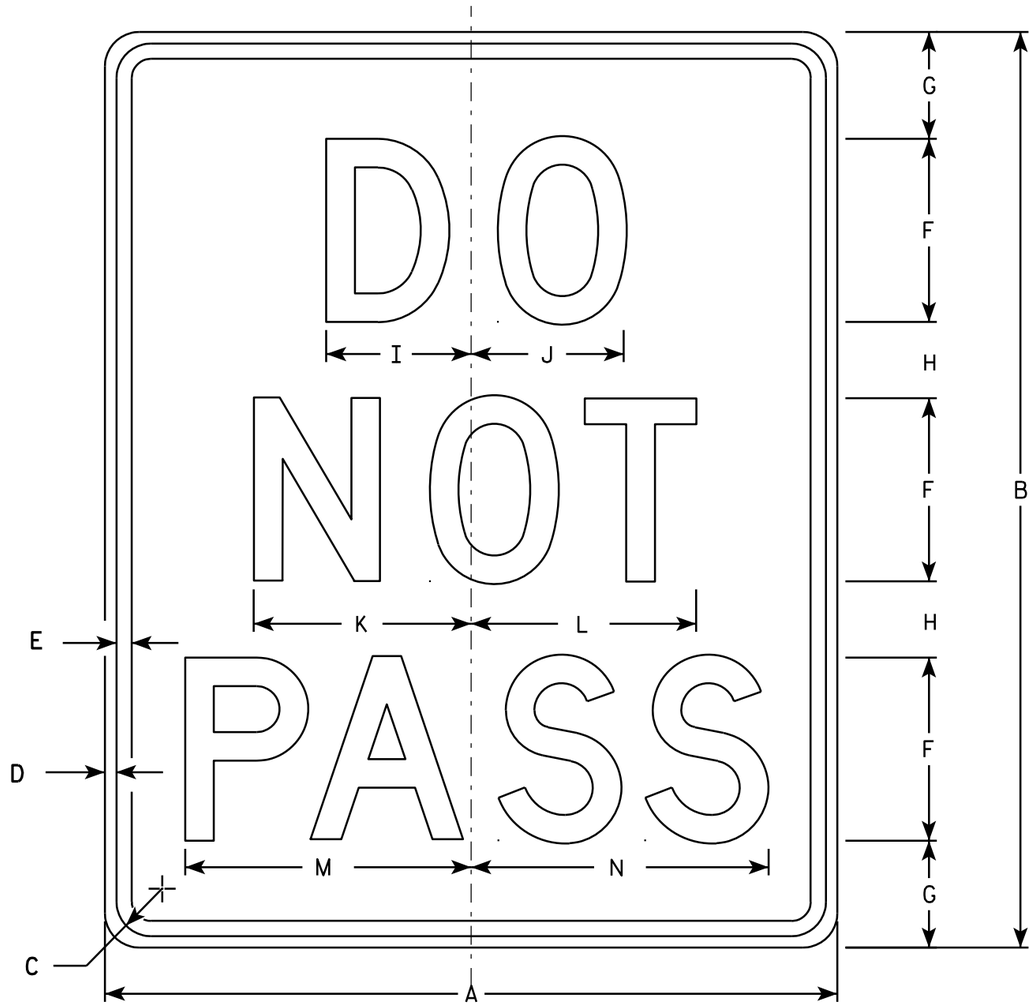
STANDARD SIGN
R3-60

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R3-60.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 470	E



R4-1

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 - 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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

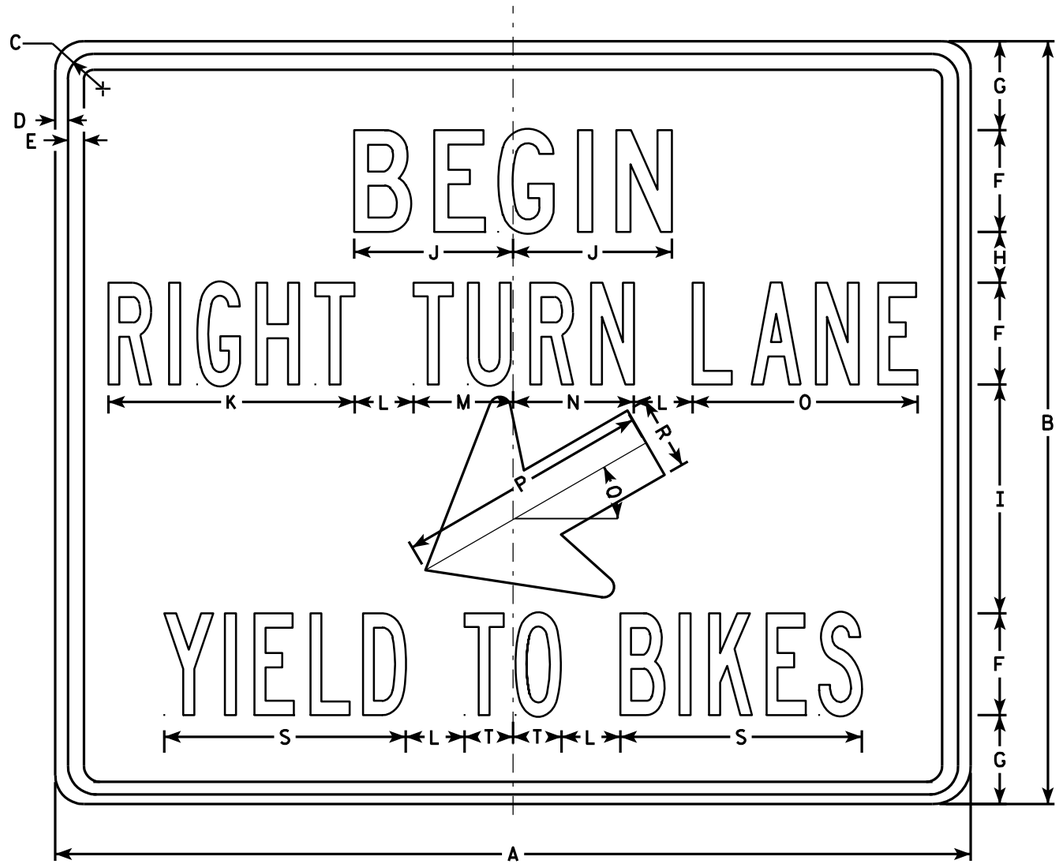
STANDARD SIGN
R4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 471 | E



R4-4

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 - 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. Line 1 is Series C
   Lines 2 & 3 are Series B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

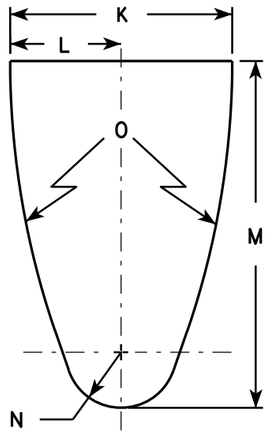
STANDARD SIGN
R4-4

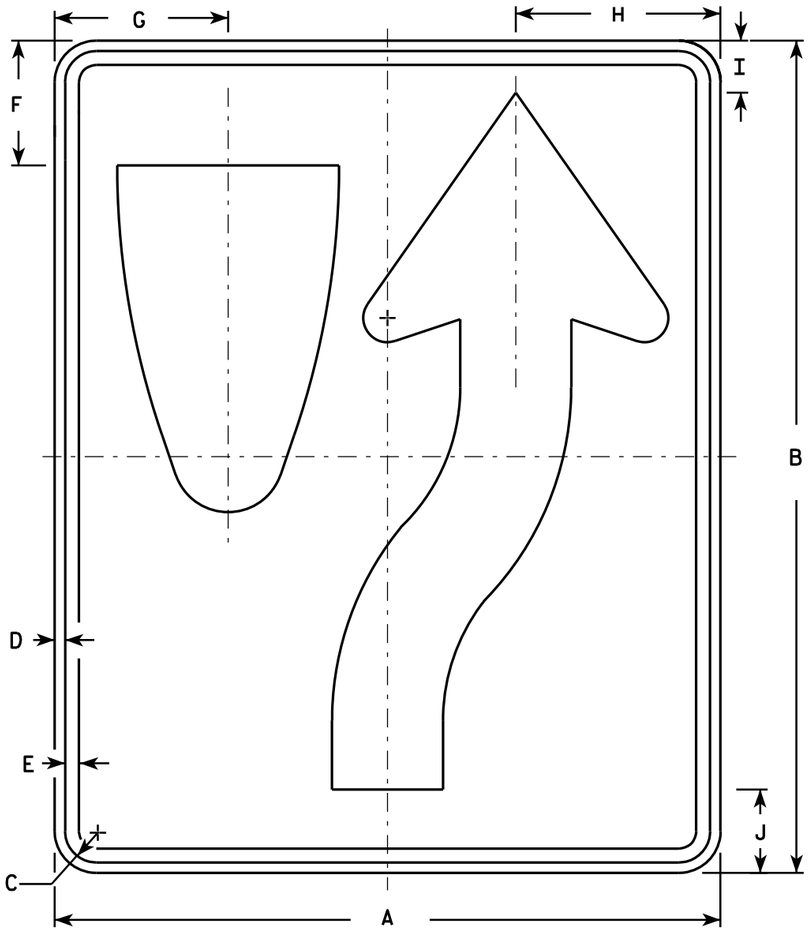
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 472 | E

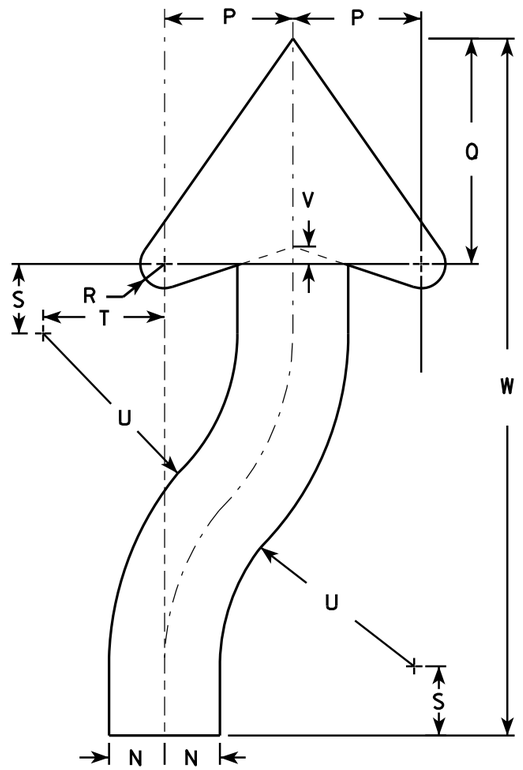




R4-7

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	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	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	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 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	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 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
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	5	8 3/4	18	1 1/4	50 1/4				20.0

STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 473	E



R4-11

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 3/8	1/2	5/8	4	3 1/8	10	2 1/2	3 7/8	8 5/8	8 3/4	8 1/2	1 1/4	1 3/4	7 7/8		10 3/8	2	1	11 1/4						6.25
2M	30		1 3/8	1/2	5/8	4	3 1/8	10	2 1/2	3 7/8	8 5/8	8 3/4	8 1/2	1 1/4	1 3/4	7 7/8		10 3/8	2	1	11 1/4						6.25
3																											
4																											
5																											

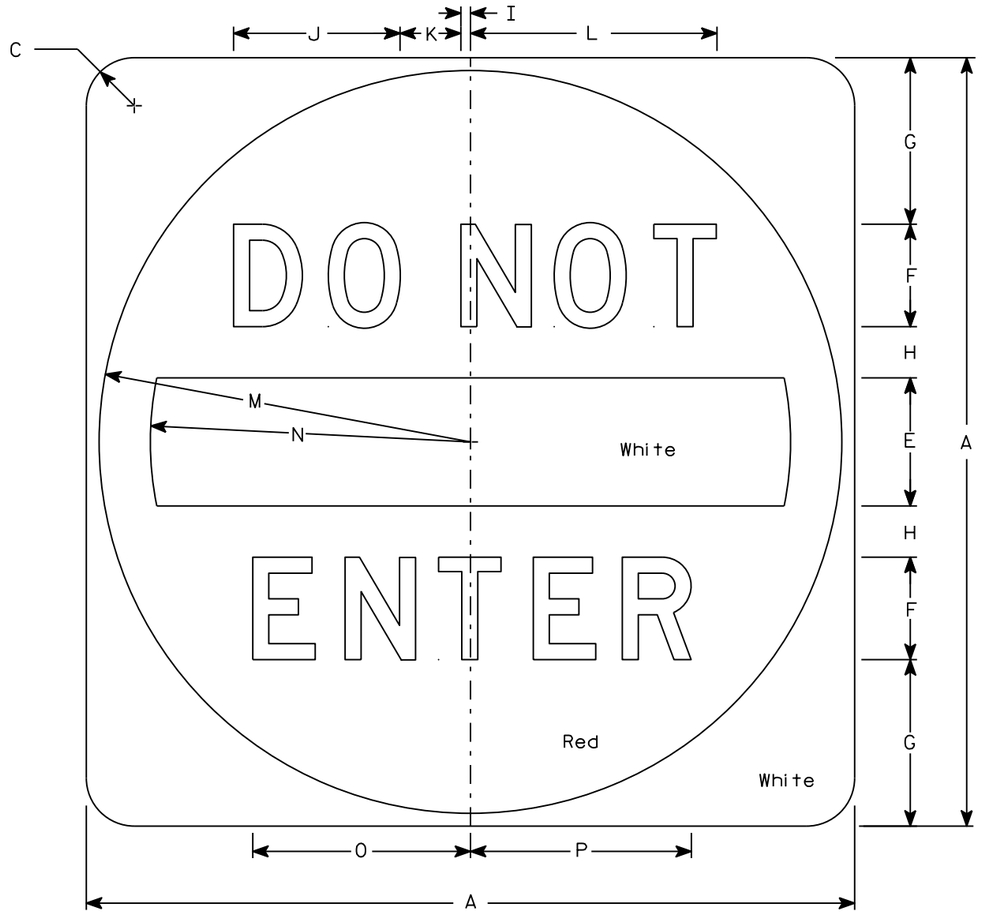
STANDARD SIGN
R4-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/15 PLATE R4-11.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
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 5/8	10 3/4											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 5/8	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 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

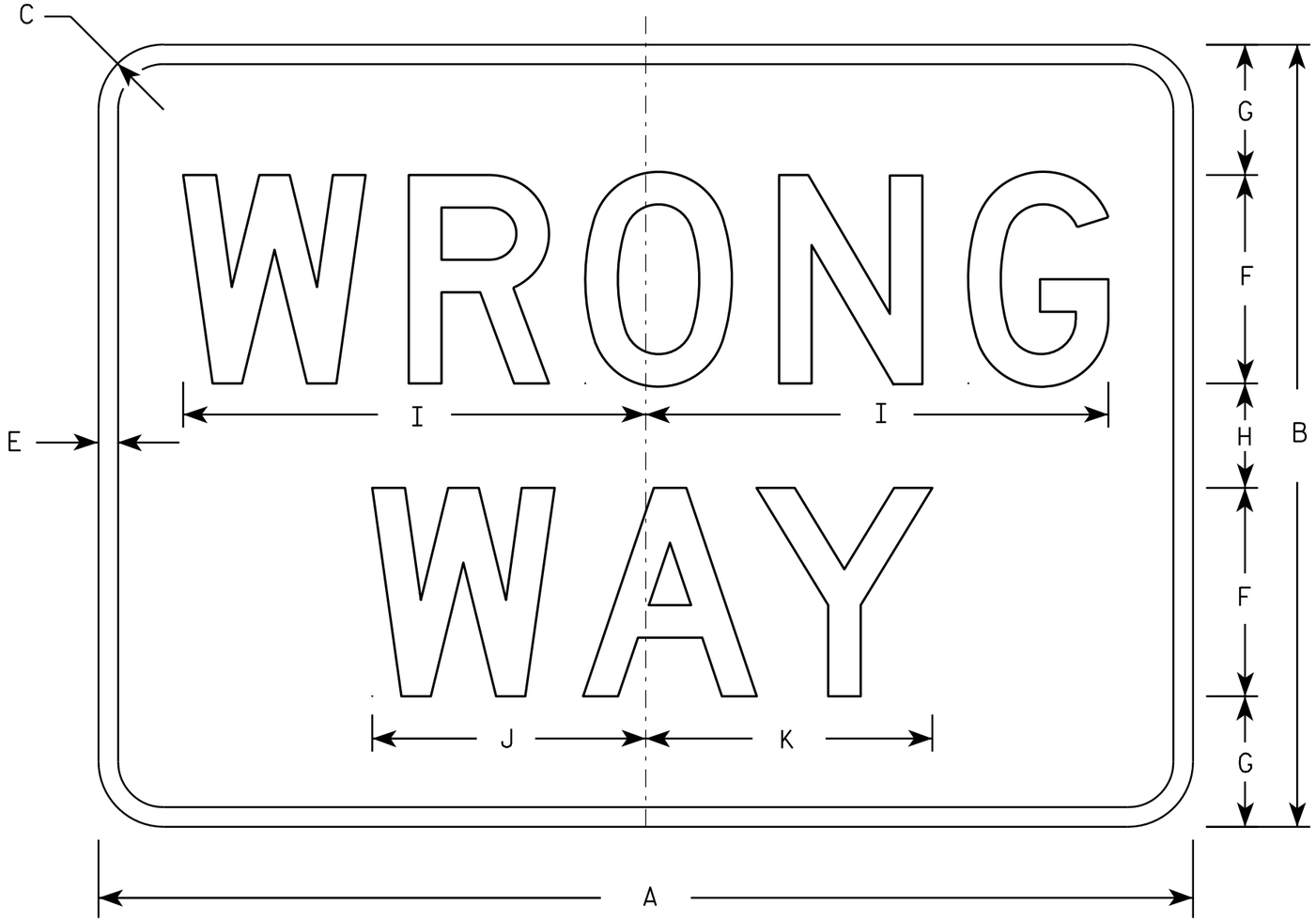
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 475 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R51.DGN PLOT DATE : 15-MAR-2018 14:31 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 5.914594:1.000000

WISDOT/CADDS SHEET 42



R5-1A

NOTES

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	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

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 476 | E



R8-8

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 - 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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
3	36	48	1 3/8	1/2	5/8	6	6	4	13 7/8	14 3/8	9 7/8	5 3/8	15														12.0
4	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	18 1/2	19 1/4	13 1/4	7 1/4	20														20.0
5																											

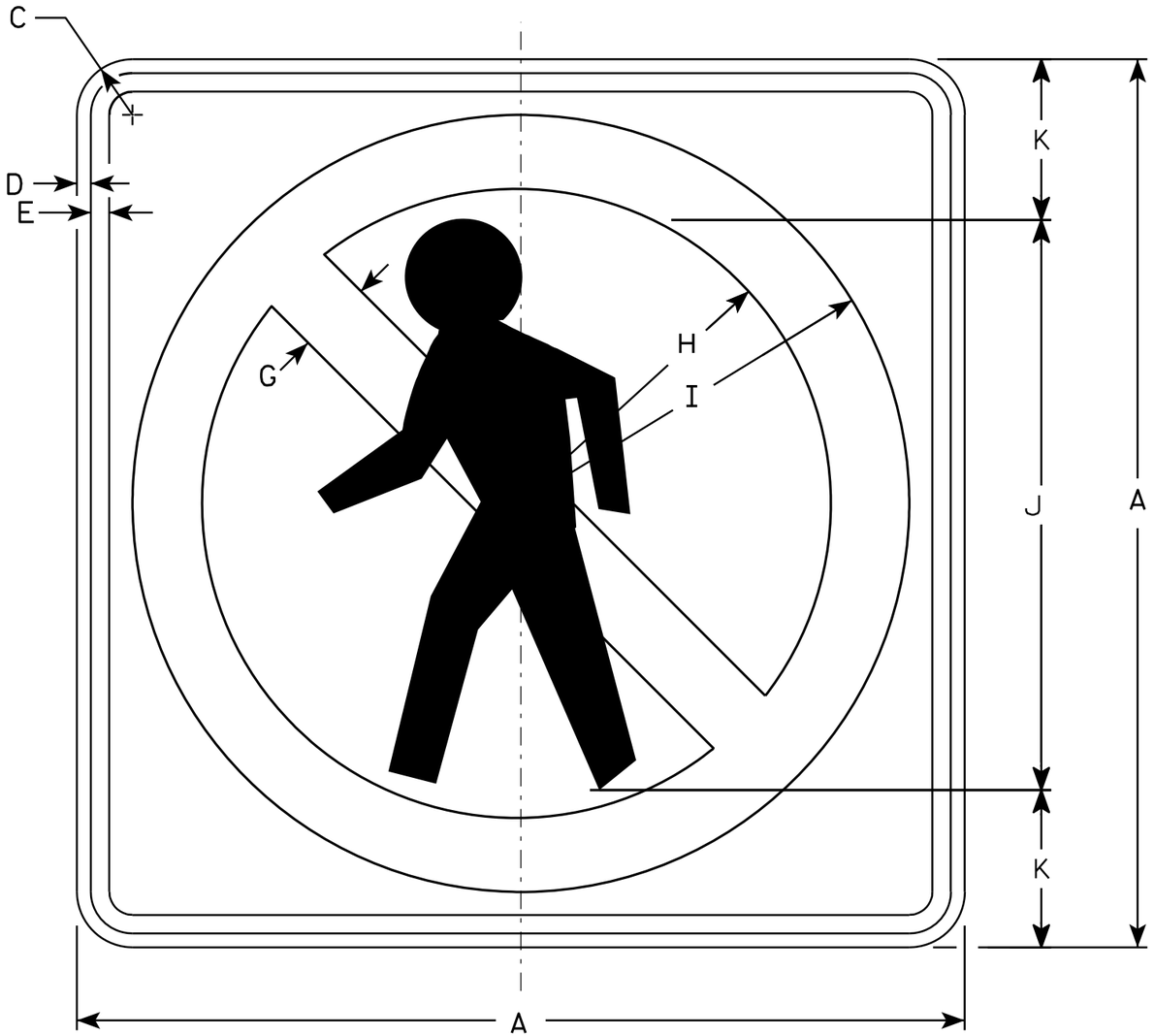
STANDARD SIGN
R8-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 477	E



R9-3A

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 - 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. Border & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2M	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
3																											
4	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
5																											

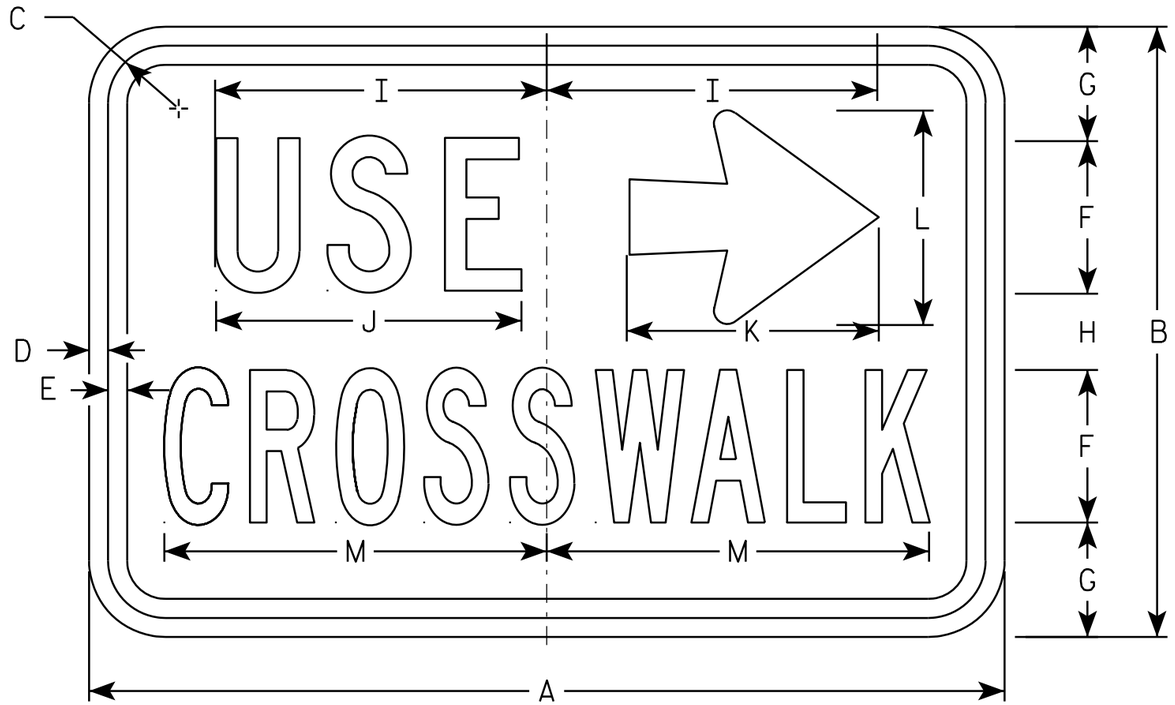
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 478	E



R9-3BR

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 - C Line 1, Series B Line 2
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. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

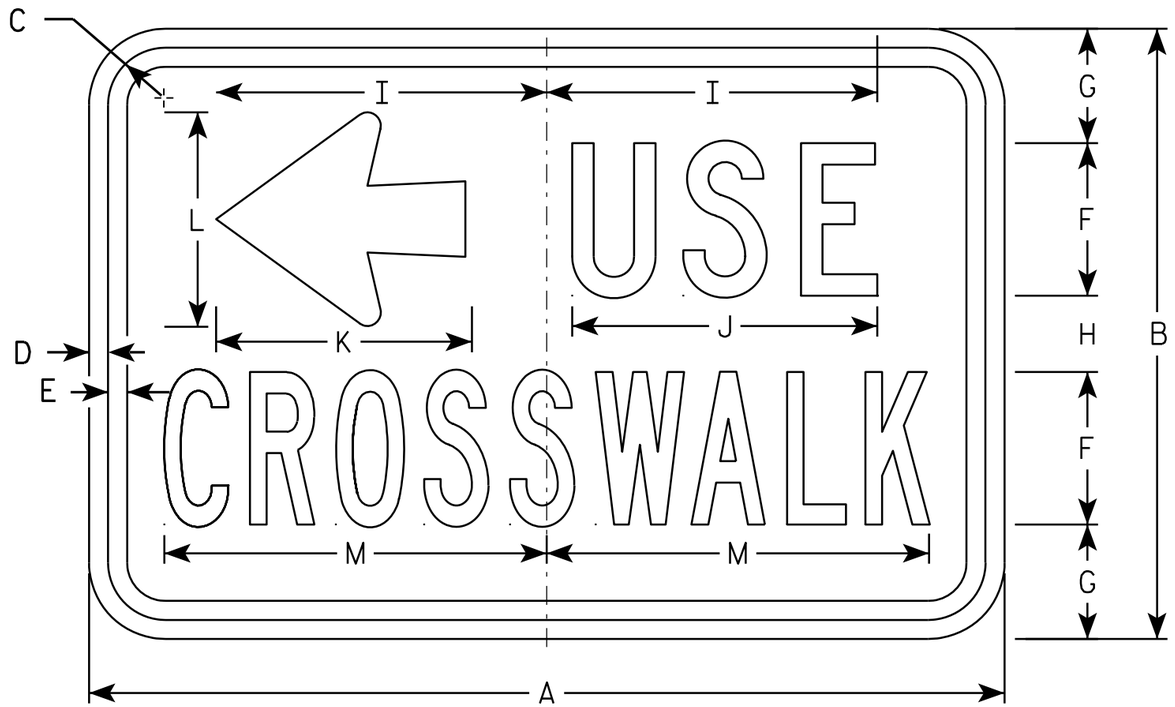
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 479 | E



R9-3BL

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 - C Line 1, Series B Line 2
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.

Metric equivalent for this sign is:

SIZE	
1	
2	450 mm X 300 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	18	12	1⅛	⅜	⅜	3	2 ¼	1 ½	6 ½	6	5	4 ¼	7 ½														1.5	0.14
3																												
4																												
5																												

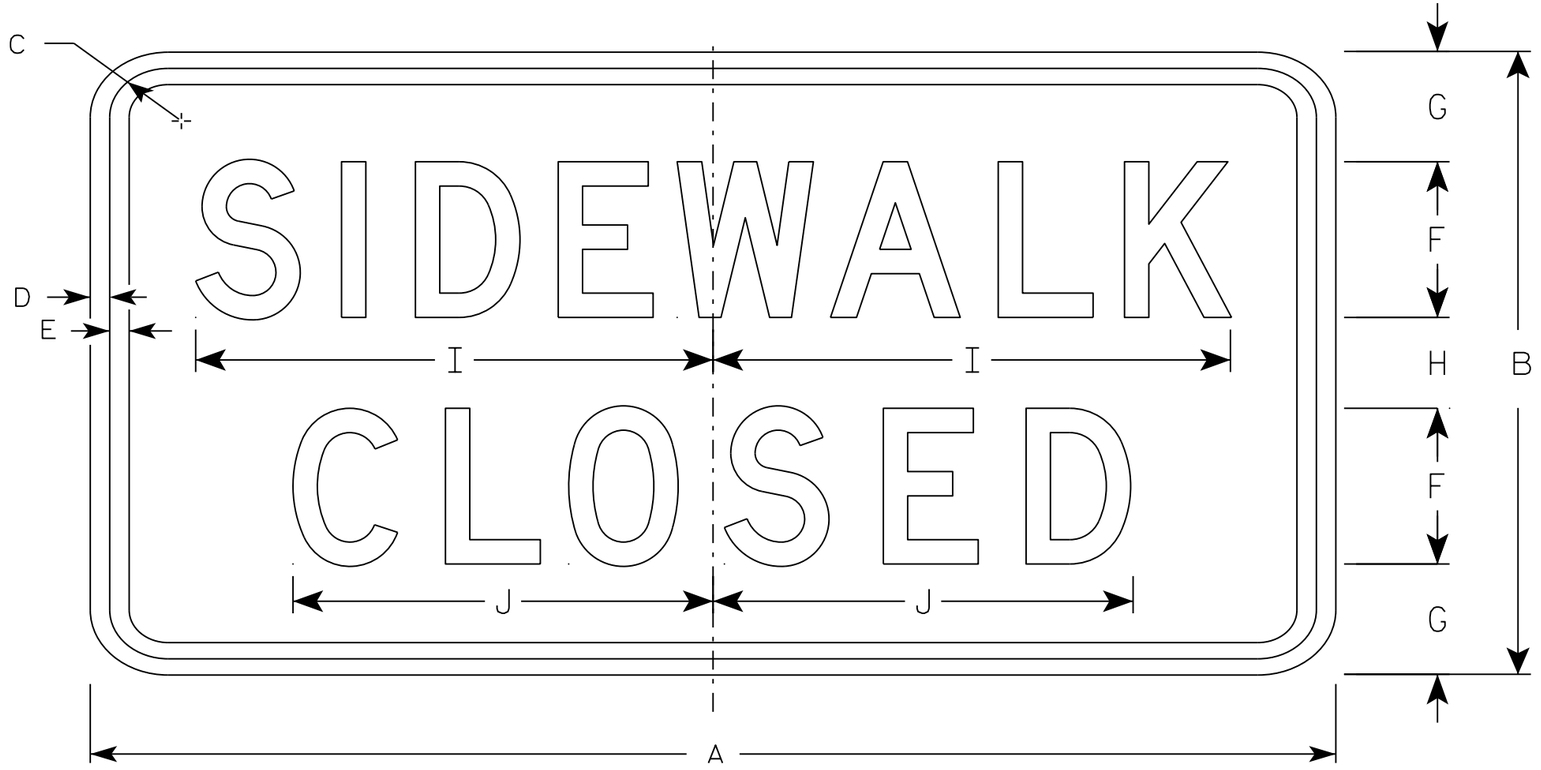
STANDARD SIGN
R9-3BL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/05/09 PLATE NO. R9-3BL.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 480 | E



R9-9

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 - 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

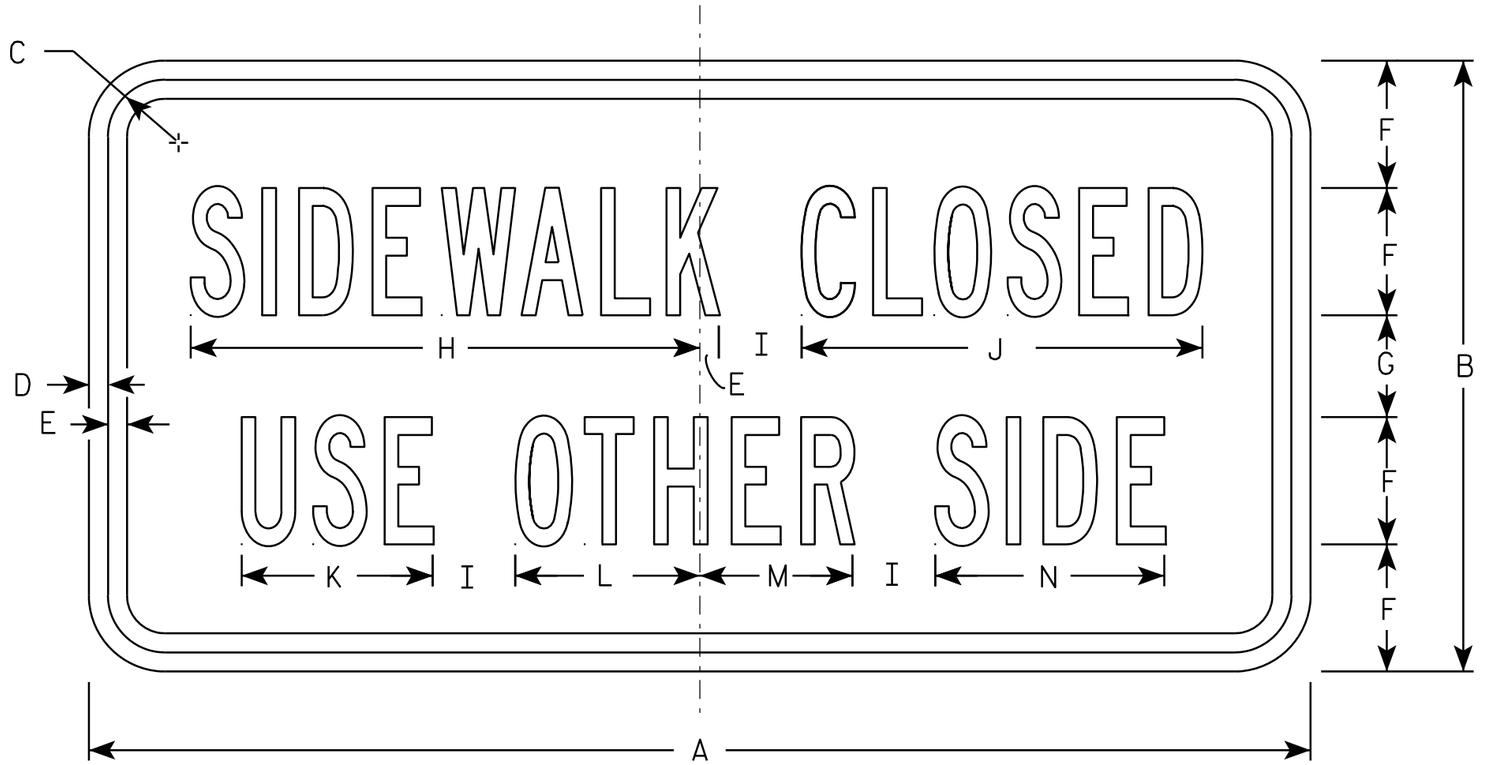
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 481 R9-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-10

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 - B
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	2 1/2	2	10	1 5/8	7 7/8	3 3/4	3 5/8	3	4 1/2													2.0
2S	48	24	2 3/4	3/4	3/4	5	4	20	3 1/4	15 3/4	7 1/2	7 1/4	6	9													8.0
2M	48	24	2 3/4	3/4	3/4	5	4	20	3 1/4	15 3/4	7 1/2	7 1/4	6	9													8.0
3																											
4																											
5																											

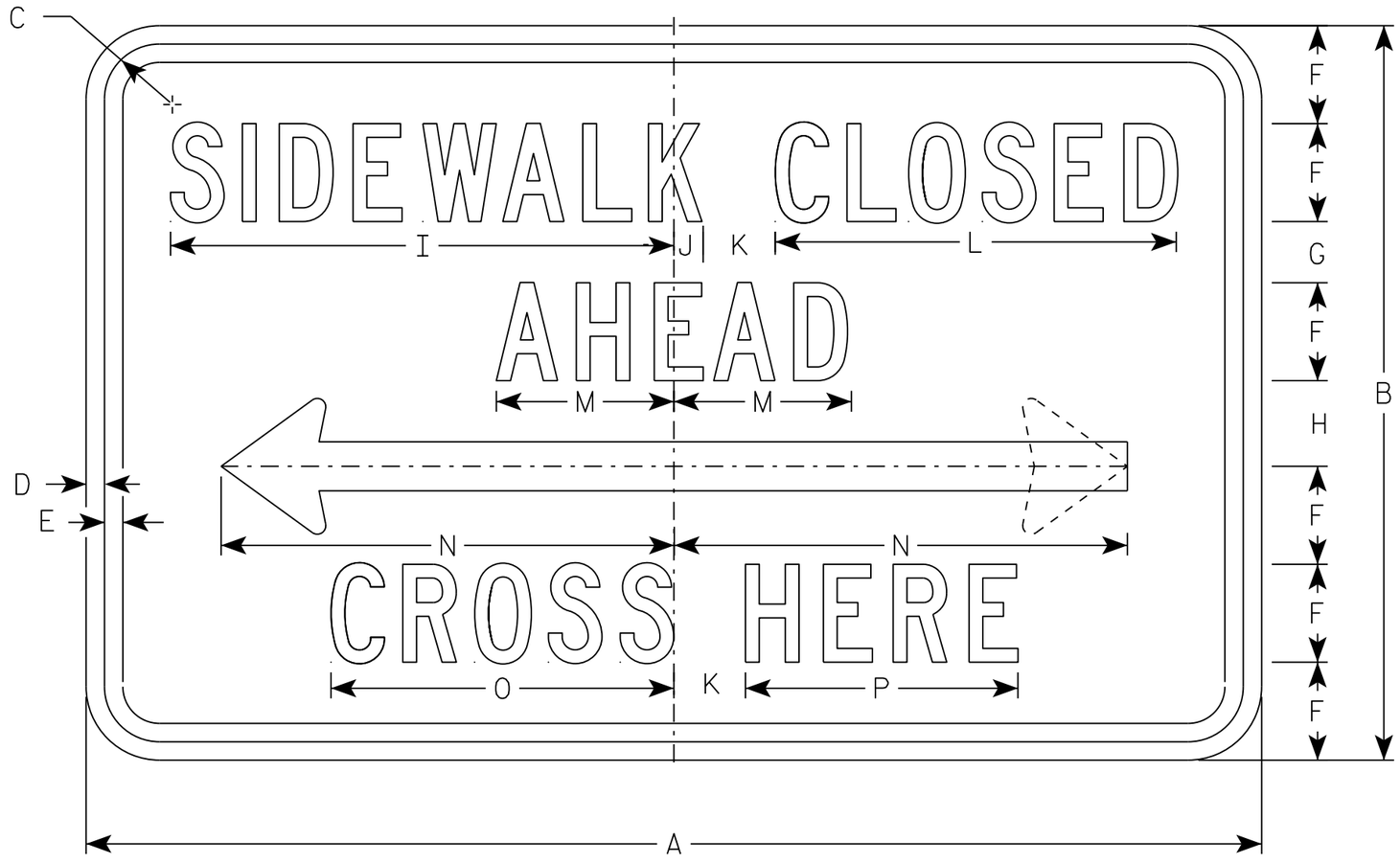
STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

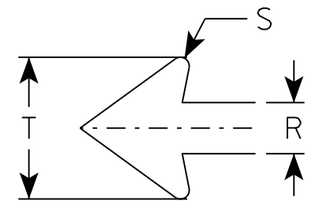
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/2012 PLATE NO. R9-10.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 482	E



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

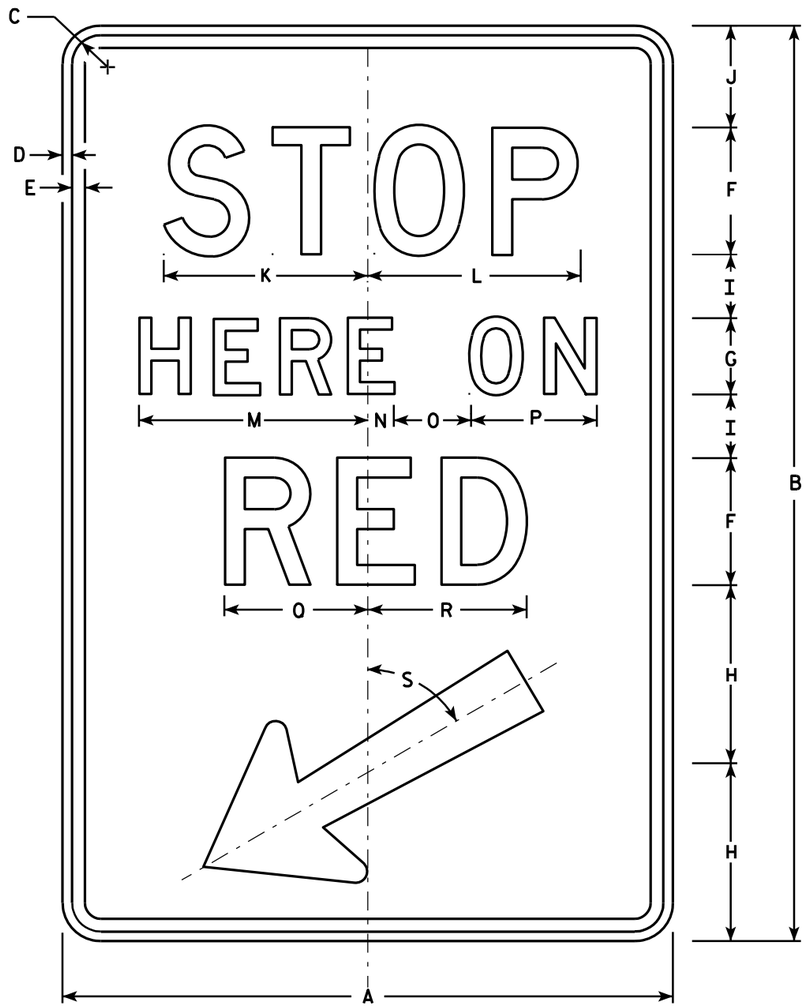
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

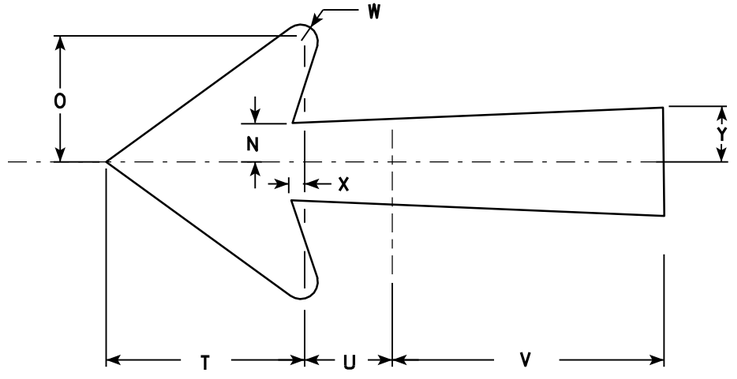
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 483	E



R10-6

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 - 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.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

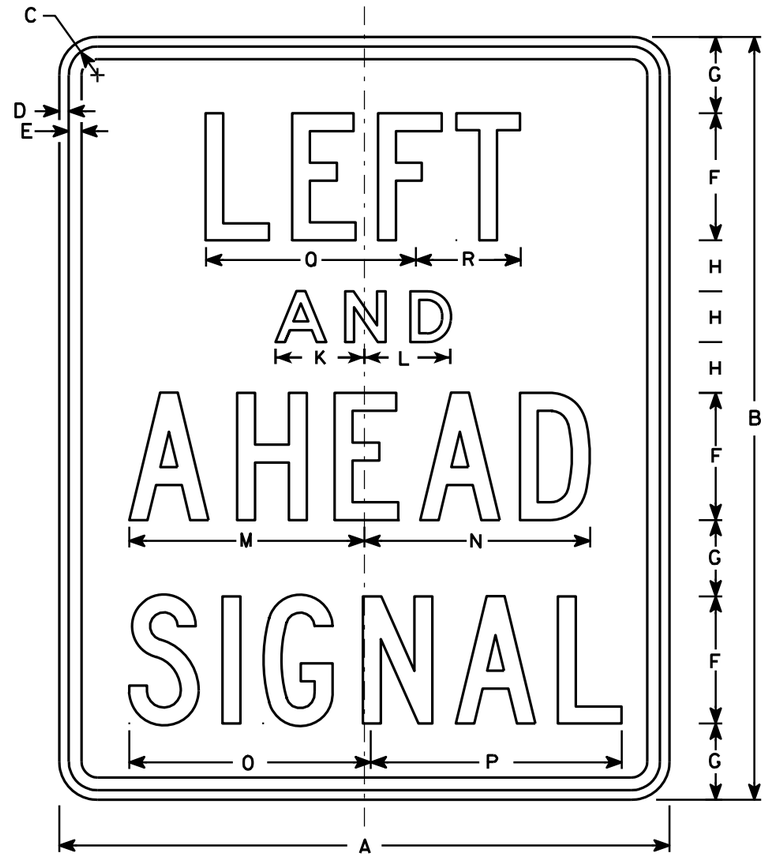
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

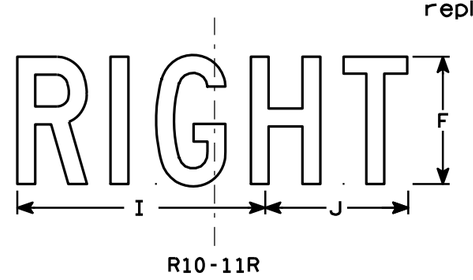
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-6.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 484	E



R10-11L



R10-11R

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 - C except line 2 is 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. R10-11L is identical to R10-11R except LEFT replaces RIGHT.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	5	3	2	7 3/4	7 5/8	3 1/2	3 3/8	9 1/4	8 7/8	9 1/2	9 7/8	6 1/4	6 1/8									5.0
2M	24	30	1 1/8	3/8	1/2	5	3	2	7 3/4	7 5/8	3 1/2	3 3/8	9 1/4	8 7/8	9 1/2	9 7/8	6 1/4	6 1/8									5.0
3																											
4																											
5																											

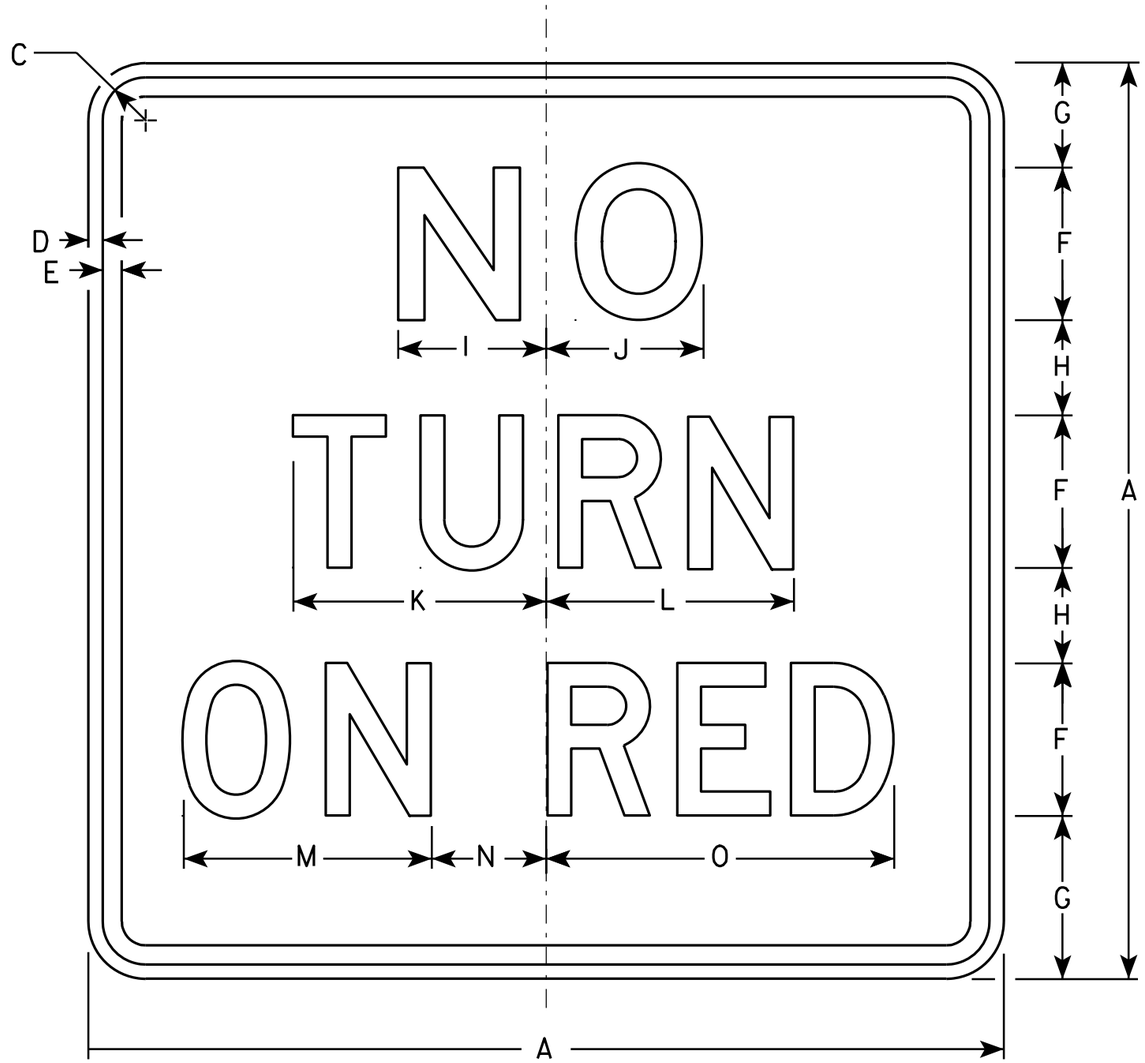
STANDARD SIGN
R10-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-11.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 485 | E



R10-11B

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 - 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. Line 1 is Series E.
   Lines 2 and 3 are Series D.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 3/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

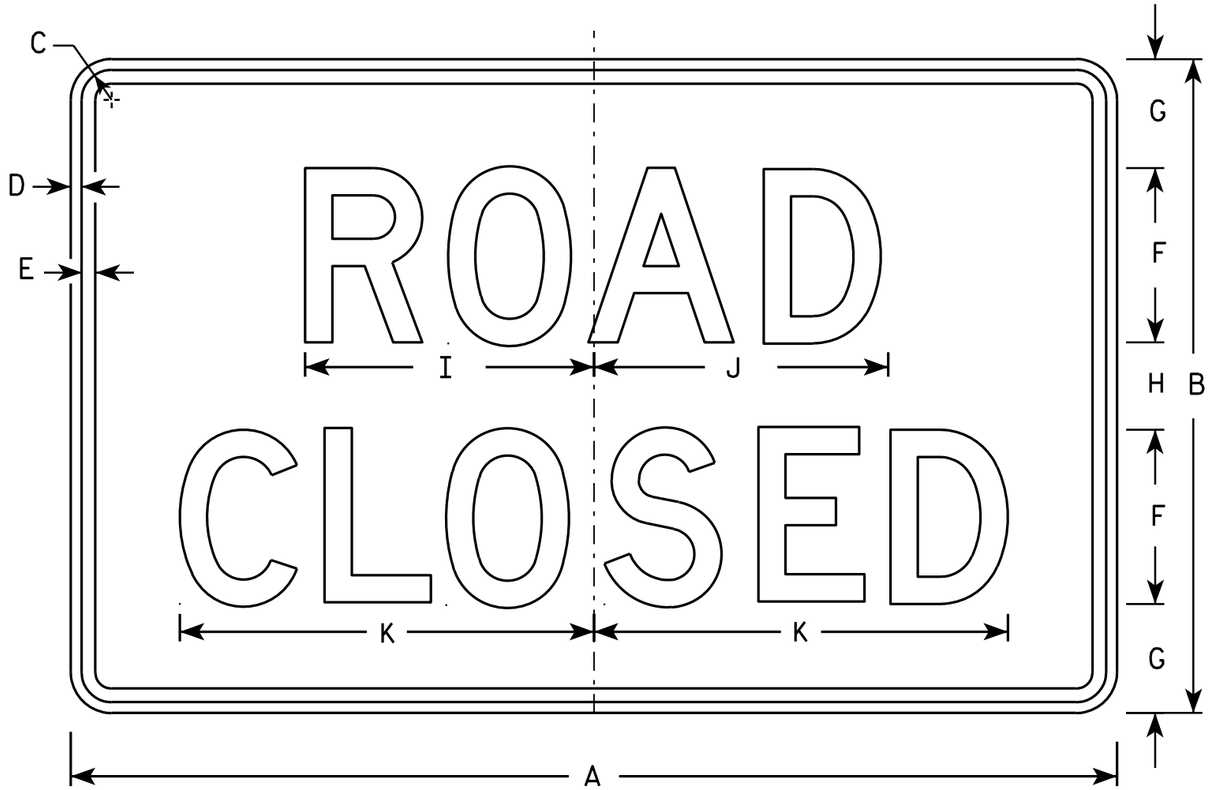
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

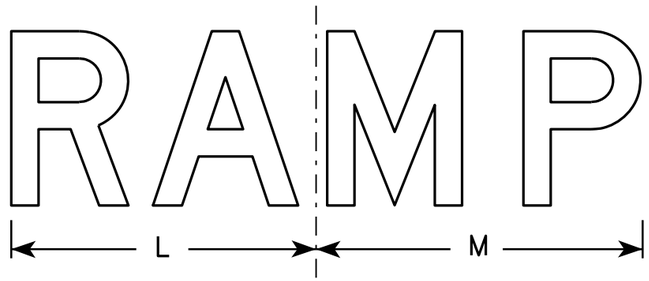
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 486 | E



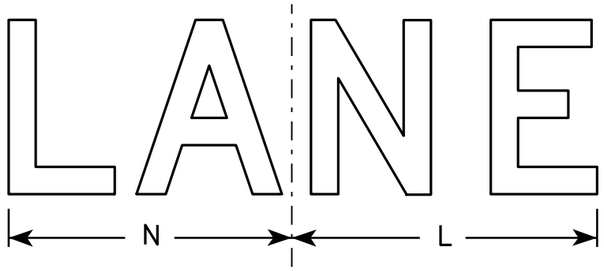
R11-2

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 - 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.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	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 1/2	19	14	15	13													10.0

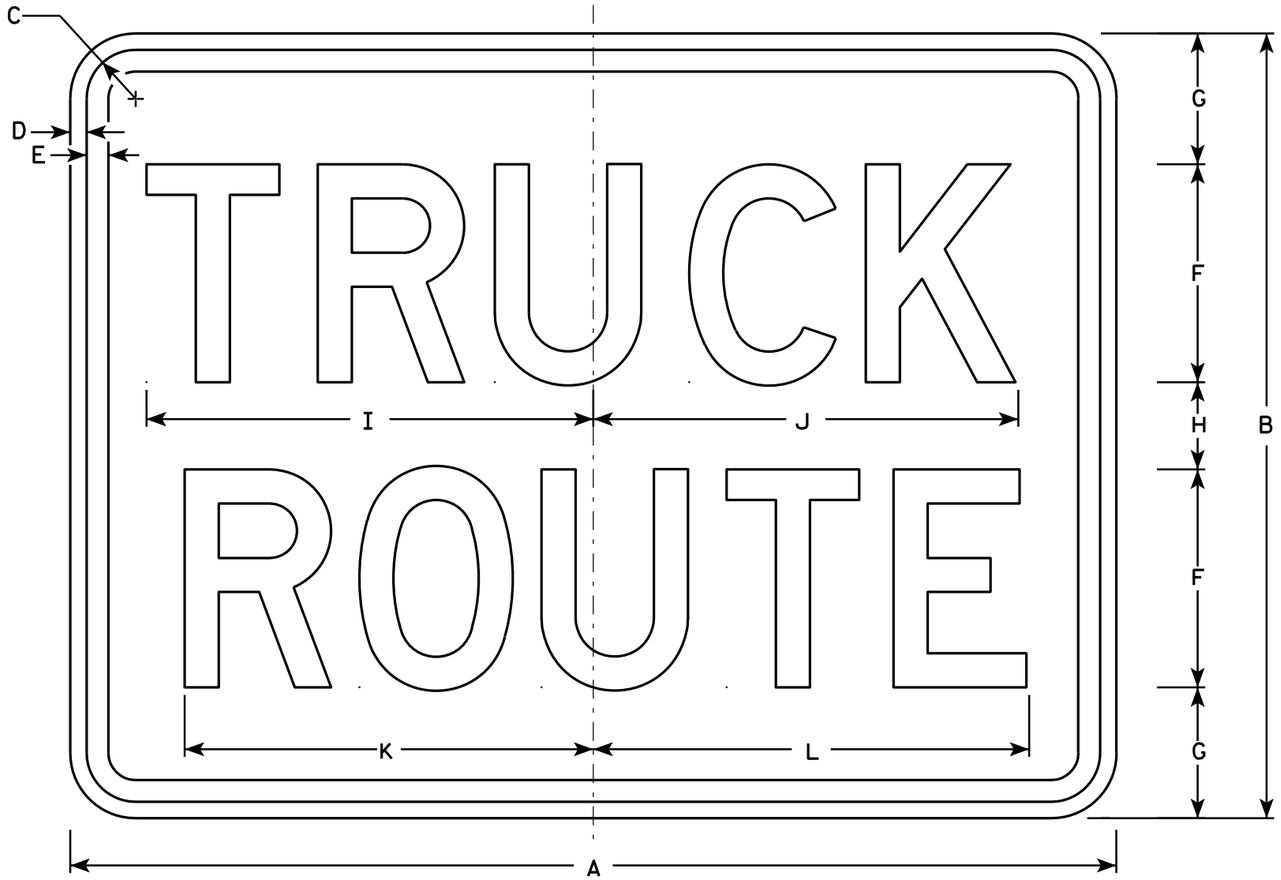
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 487	E



R14-1

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 - 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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

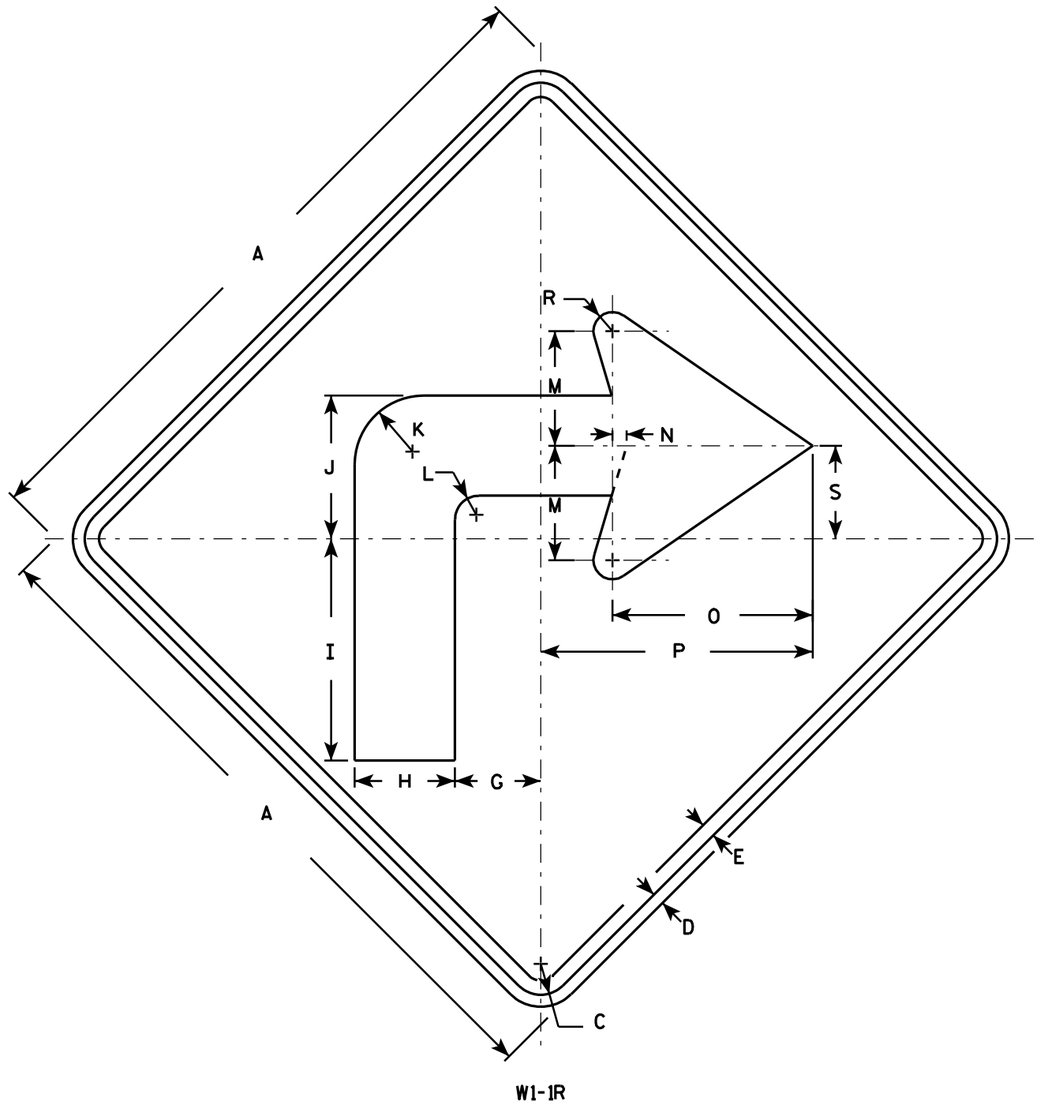
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R14-1.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 488	E



W1-1R

NOTES

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. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
2S	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

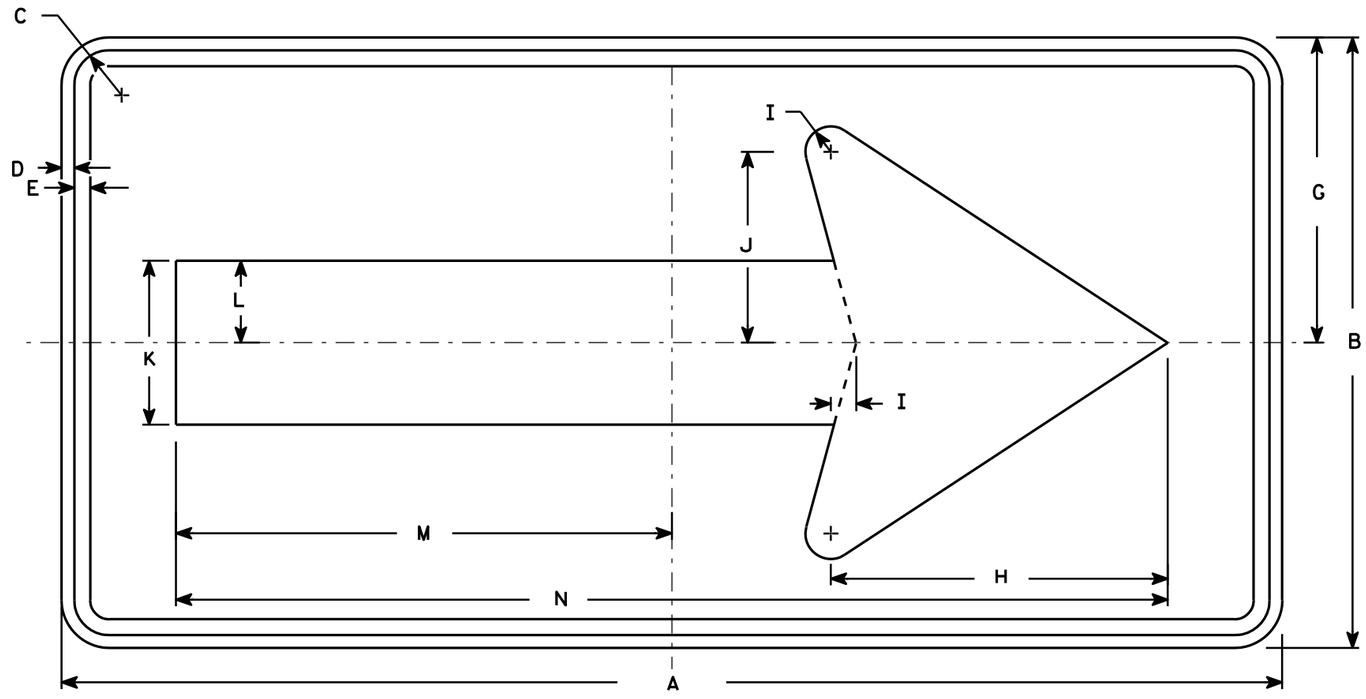
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 489 | E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W11.DGN PLOT DATE : 15-MAY-2012 13:47 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.939035:1.000000
WISDOT/CADDS SHEET 42

NOTES

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.



W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

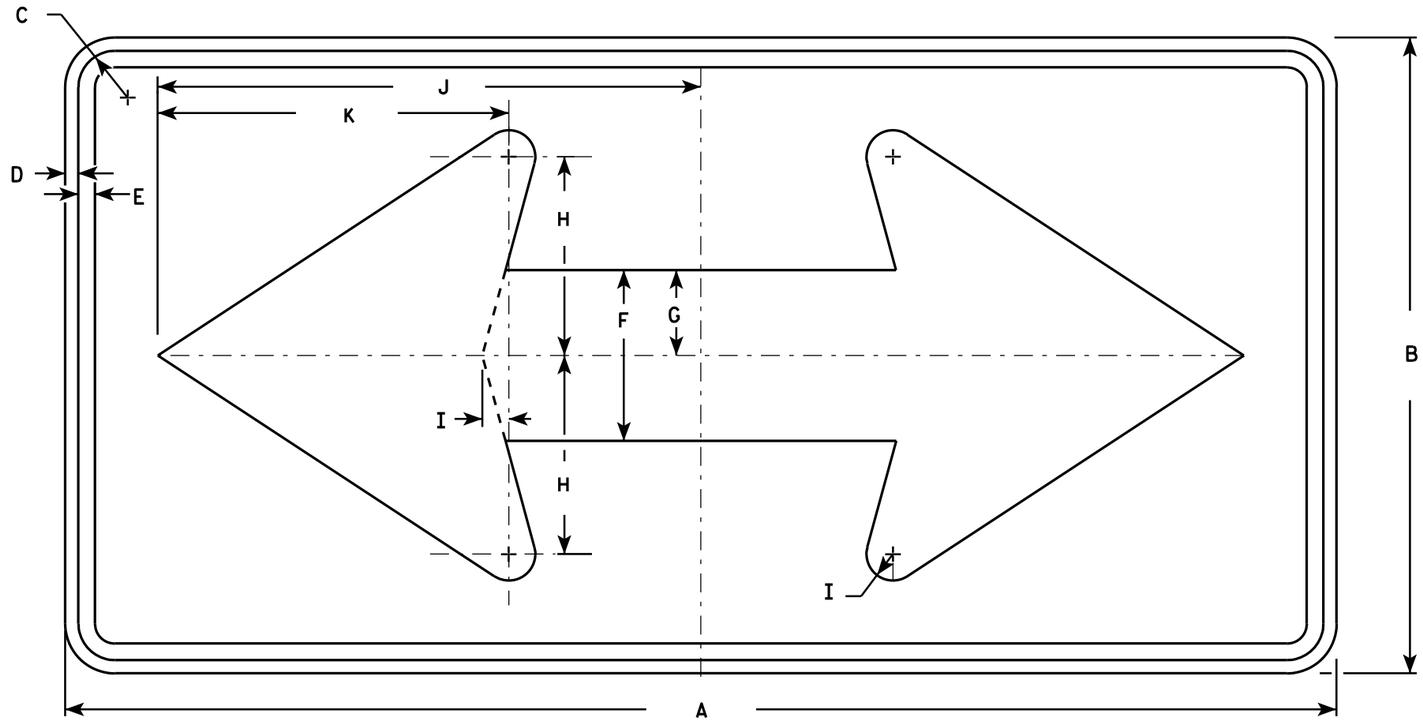
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 490



W1-7

NOTES

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

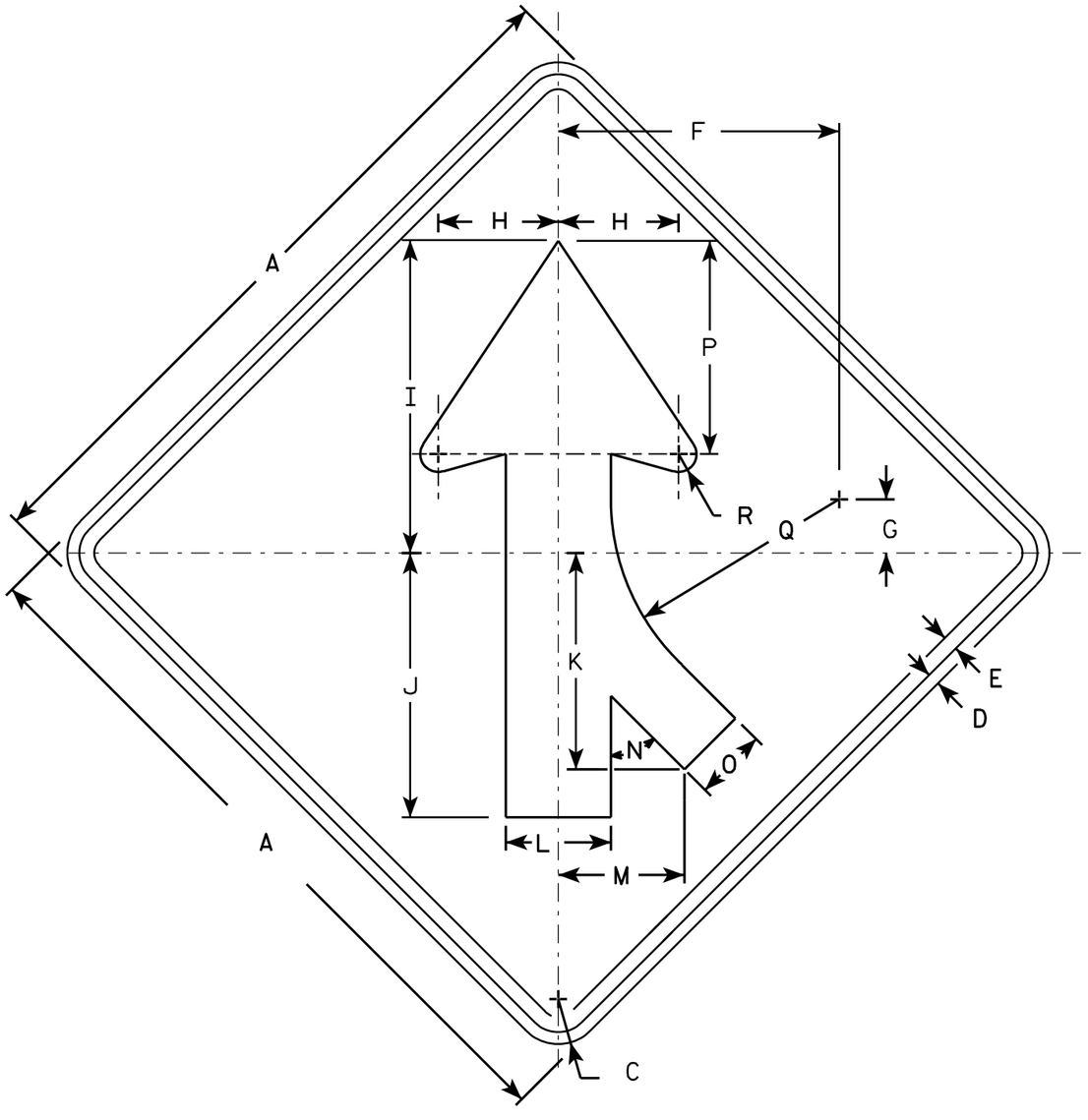
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 491 | E



W4-1 R

NOTES

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. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

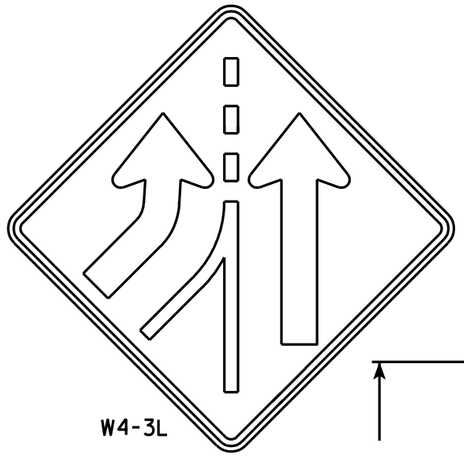
STANDARD SIGN
W4-1

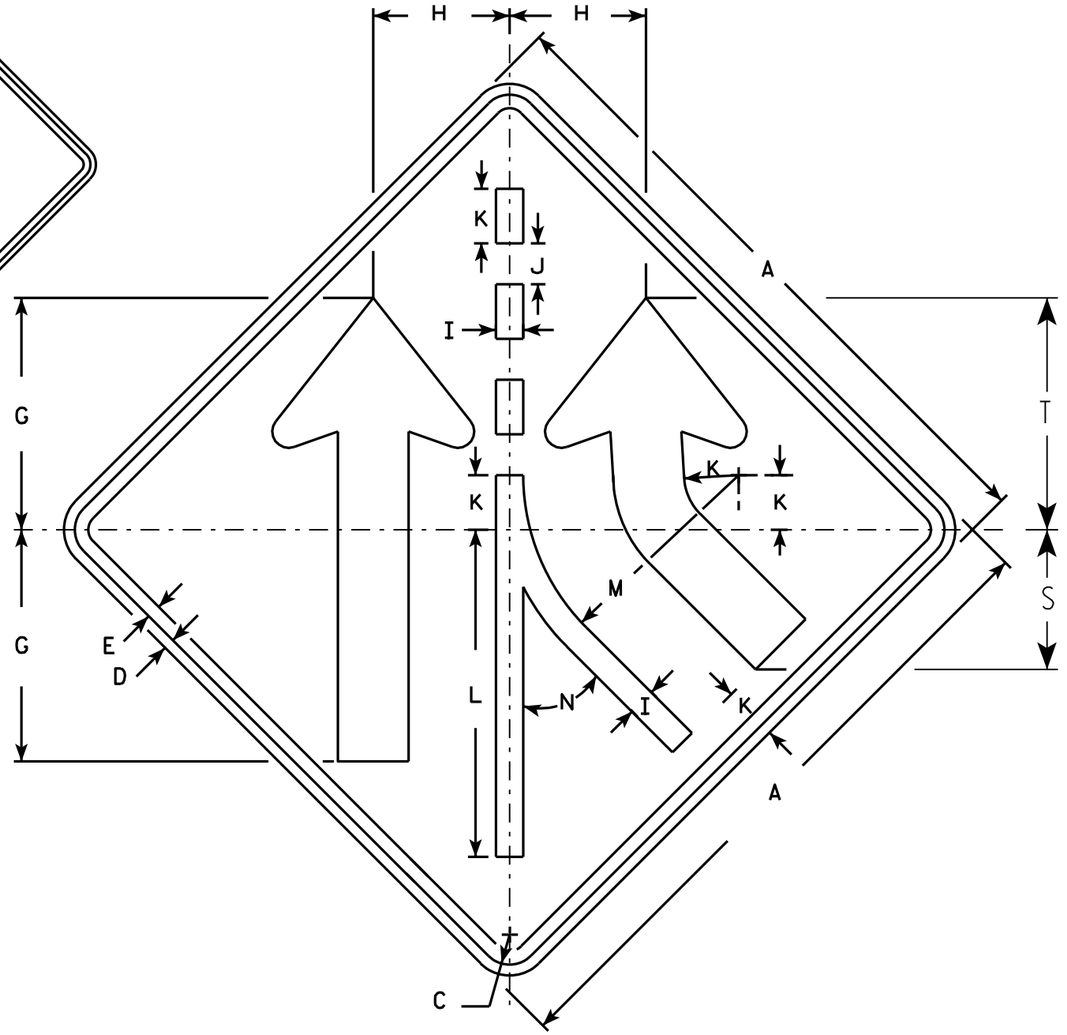
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 492	E

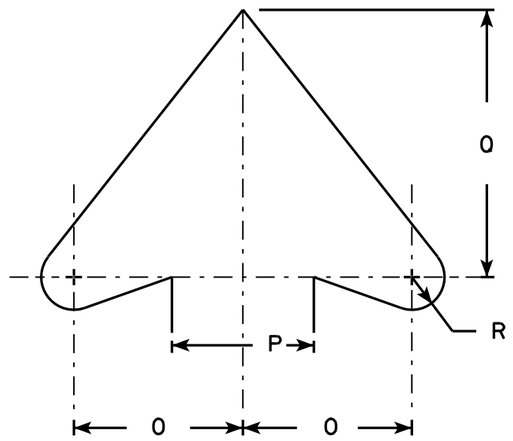




W4-3R

NOTES

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. W4-3 L is the same as W4-3 R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		10 5/8	6 1/4	1 1/4	1 7/8	2 1/2	15	9 7/8	45°	3 7/8	3 1/4	6 1/8	3/4	6 3/8	10 5/8							6.25
2S	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2M	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
3																											
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN
W4-3

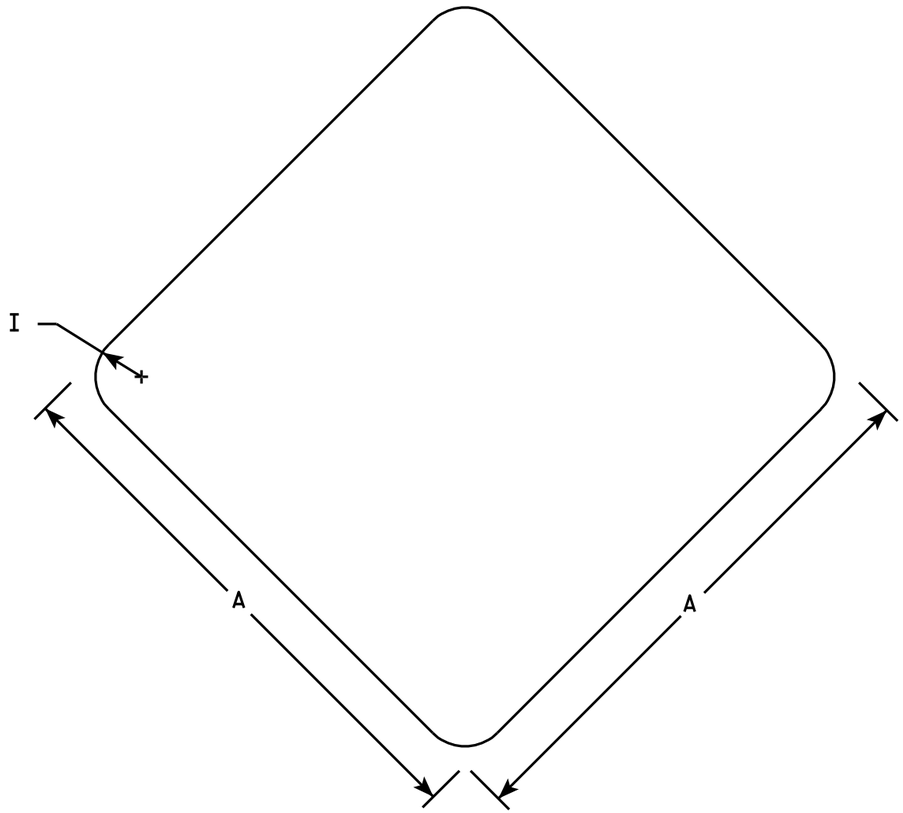
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-3.8

PROJECT NO:

SHEET NO: 493 E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

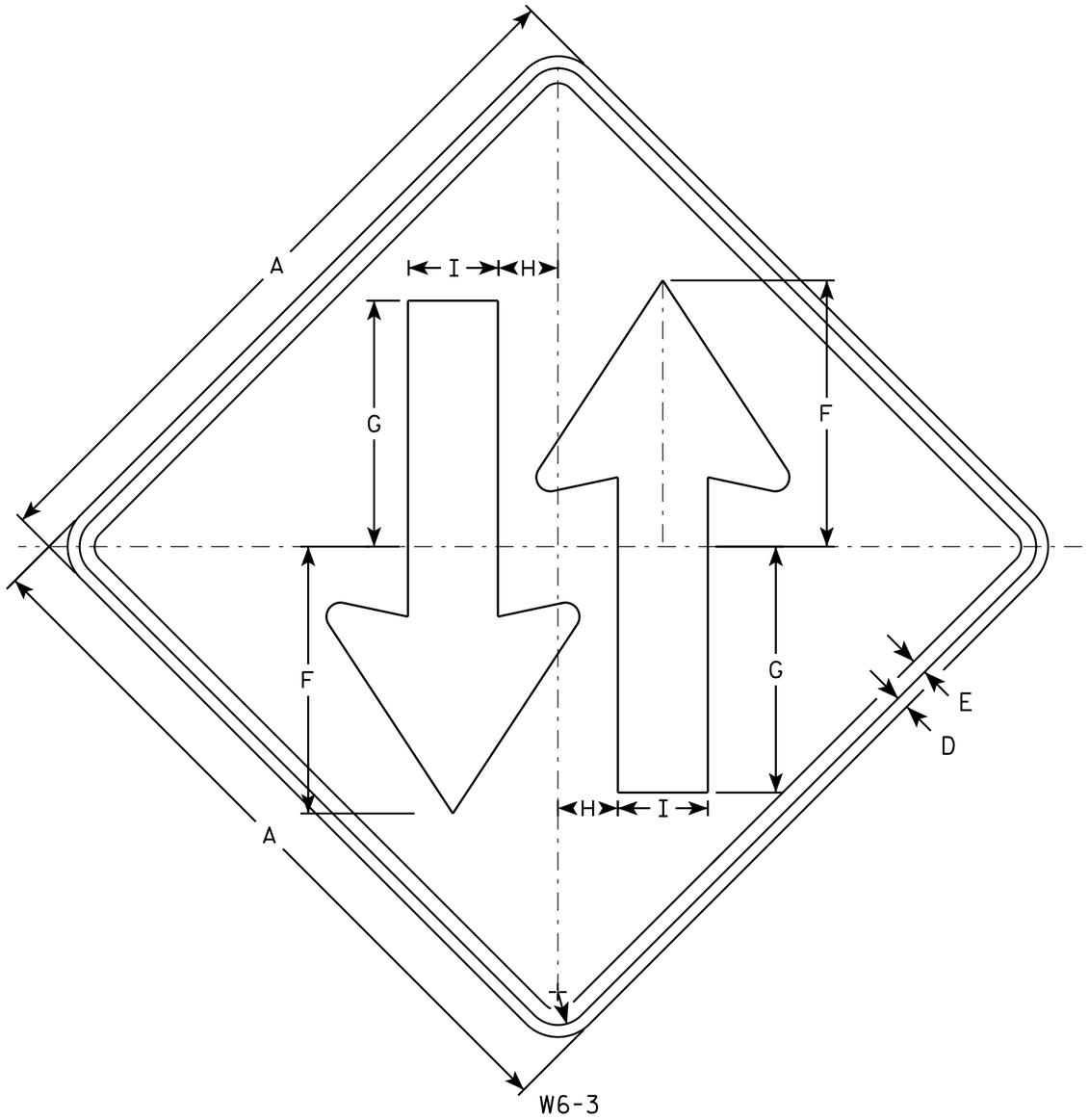
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

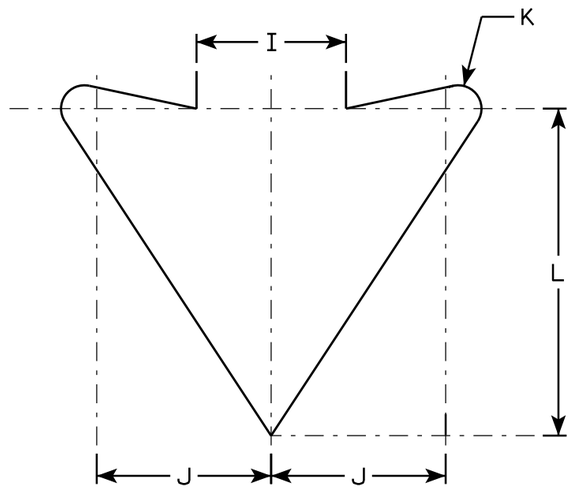
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 494	E



W6-3

NOTES

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3																											
4	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN
W6-3

WISCONSIN DEPT OF TRANSPORTATION

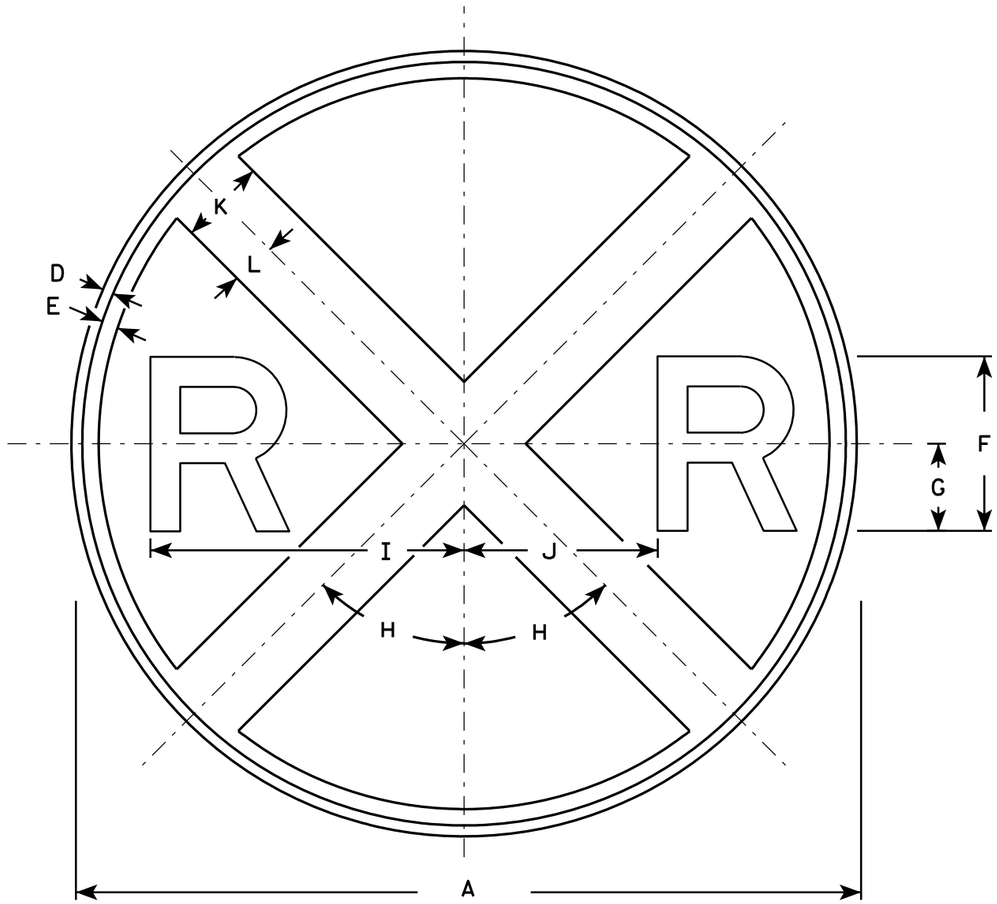
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE W6-3.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN PLOT DATE : 10-MAR-2016 14:01 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W10-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	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 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

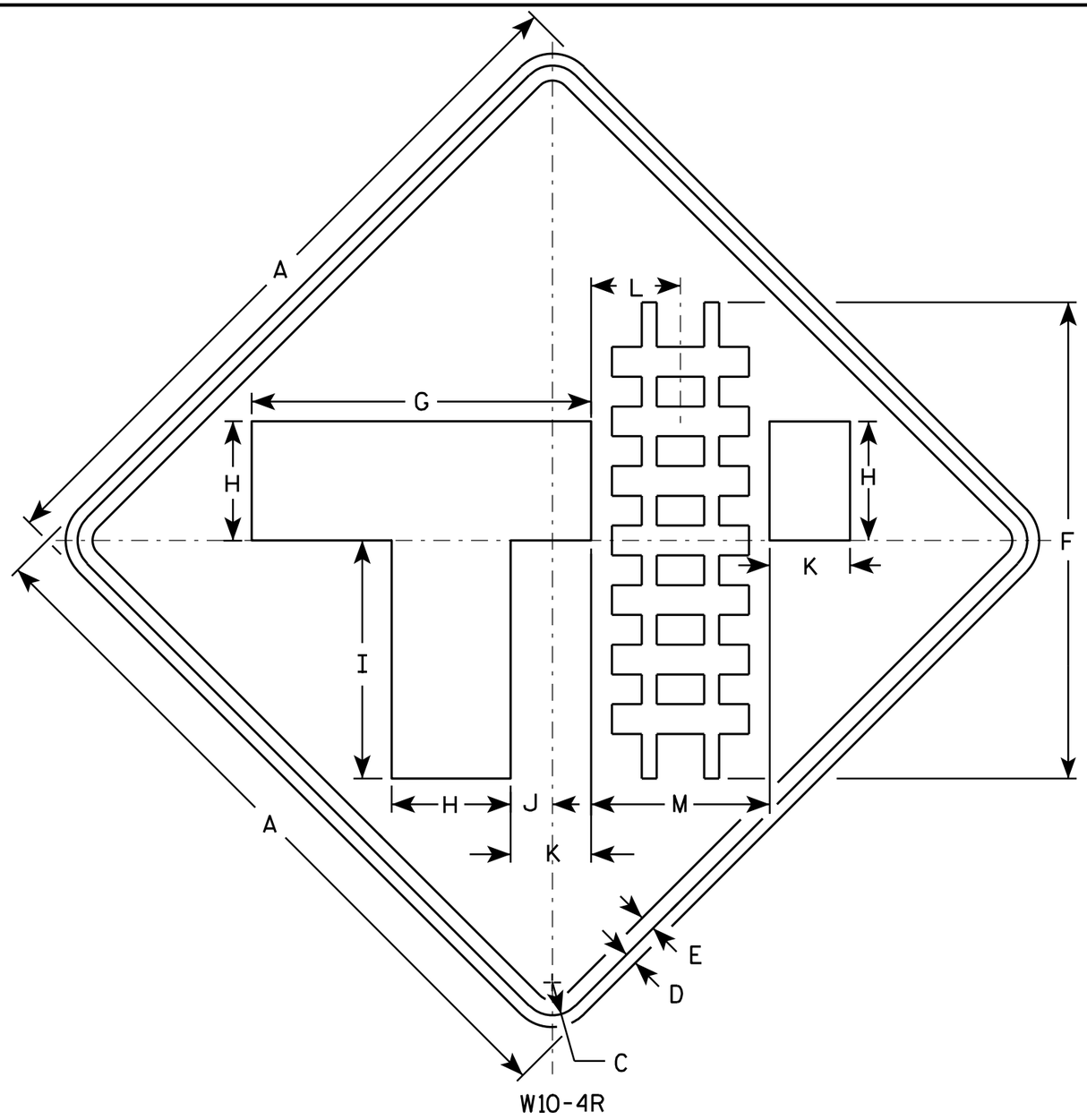
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

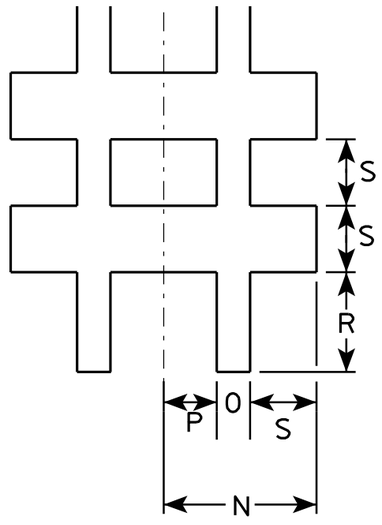
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 496	E



W10-4R



NOTES

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. W10-4L same as W10-4R except symbol is reversed.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	20	14 1/4	5	10	1 3/4	3 3/8	3 3/4	7 1/2	2 7/8	5/8	1		1 7/8	1 1/4								6.25
2	36		1 5/8	5/8	3/4	24	17	6	12	2	4	4 1/2	9	3 3/8	3/4	1 1/8		2 1/4	1 1/2								9.0
2	36		1 5/8	5/8	3/4	24	17	6	12	2	4	4 1/2	9	3 3/8	3/4	1 1/8		2 1/4	1 1/2								9.0
3	36		1 5/8	5/8	3/4	24	17	6	12	2	4	4 1/2	9	3 3/8	3/4	1 1/8		2 1/4	1 1/2								9.0
4	48		2 1/4	3/4	1	32	22 5/8	8	16	2 5/8	5 3/8	6	12	4 1/2	1	1 1/2		3	2								16.0
5																											

STANDARD SIGN
W10-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

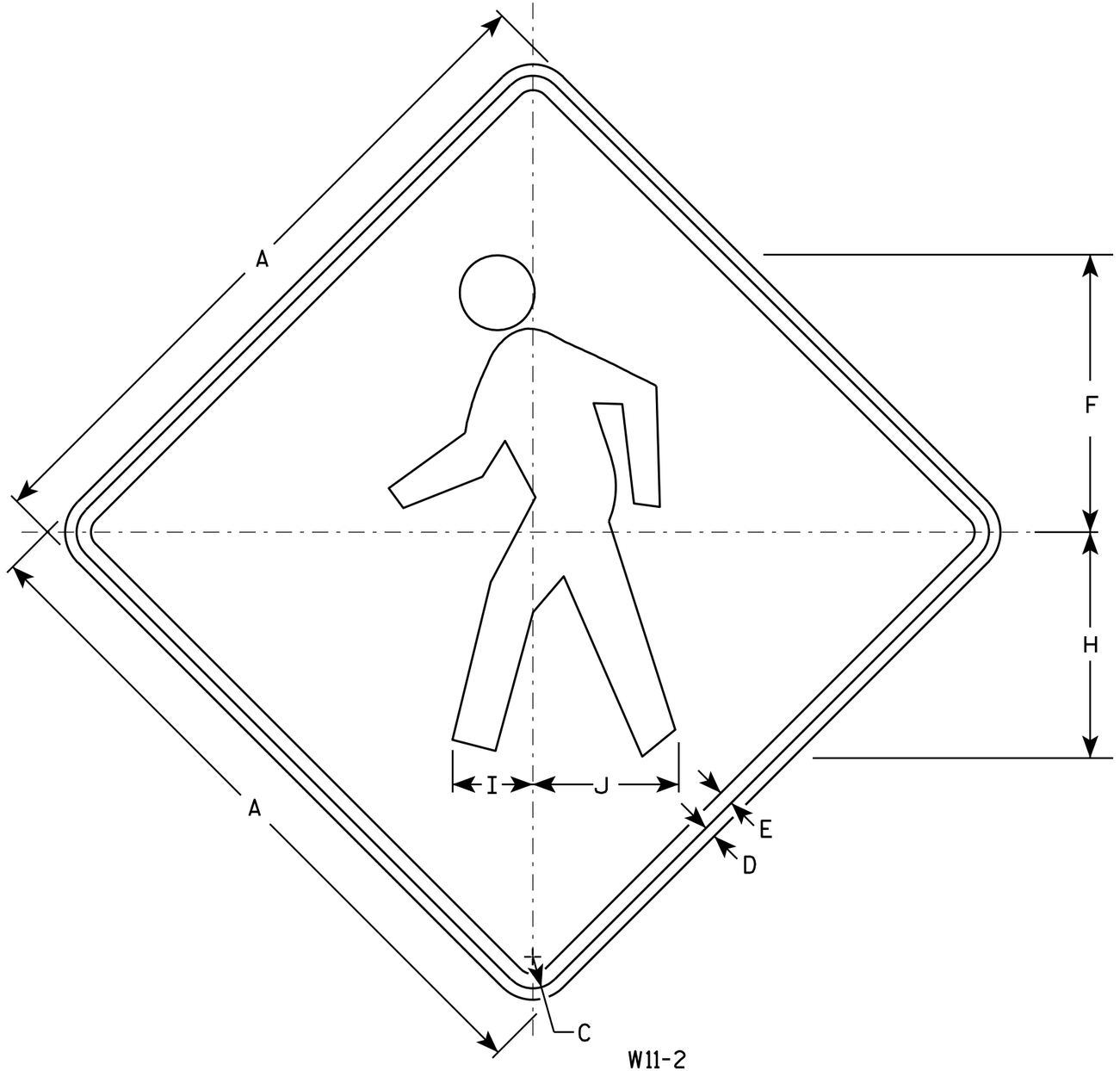
DATE 3/13/13 PLATE NO. W10-4.9

PROJECT NO:

SHEET NO: 497 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W104.DGN PLOT DATE : 13-MAR-2013 11:15 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42



W11-2

NOTES

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

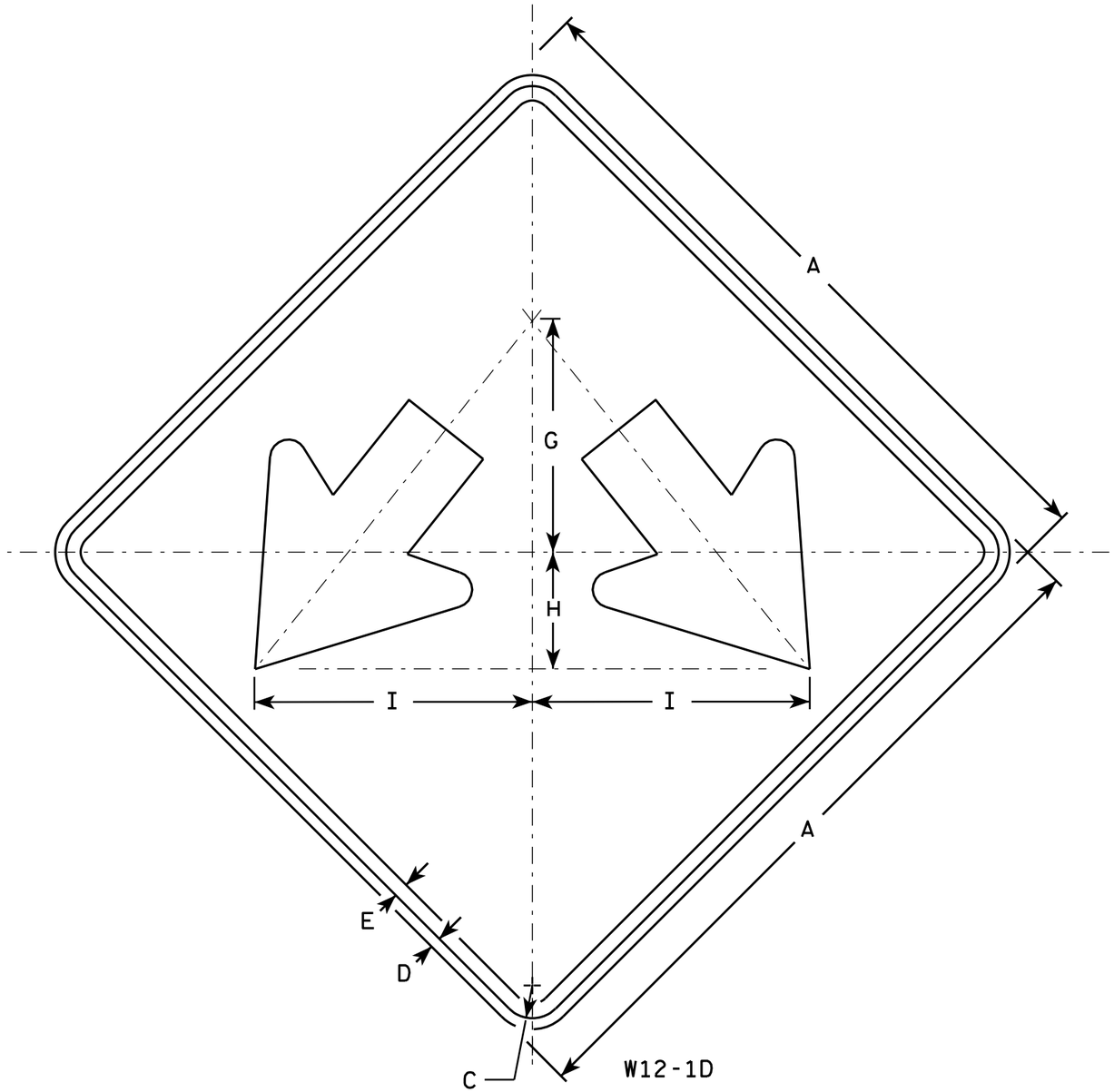
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

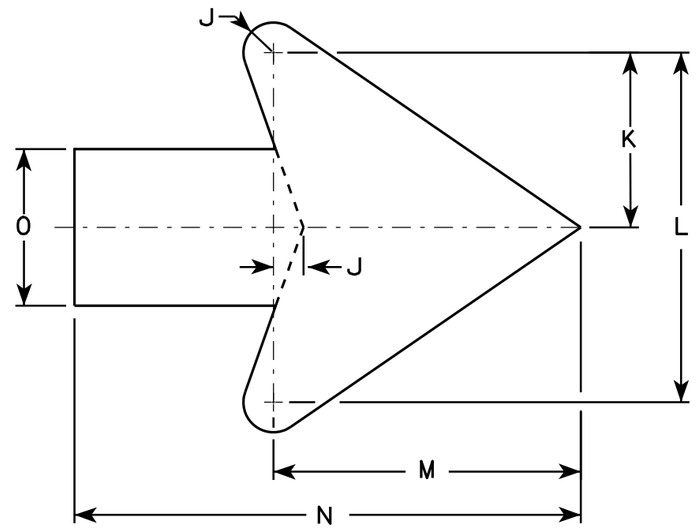
DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 498	E



NOTES

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

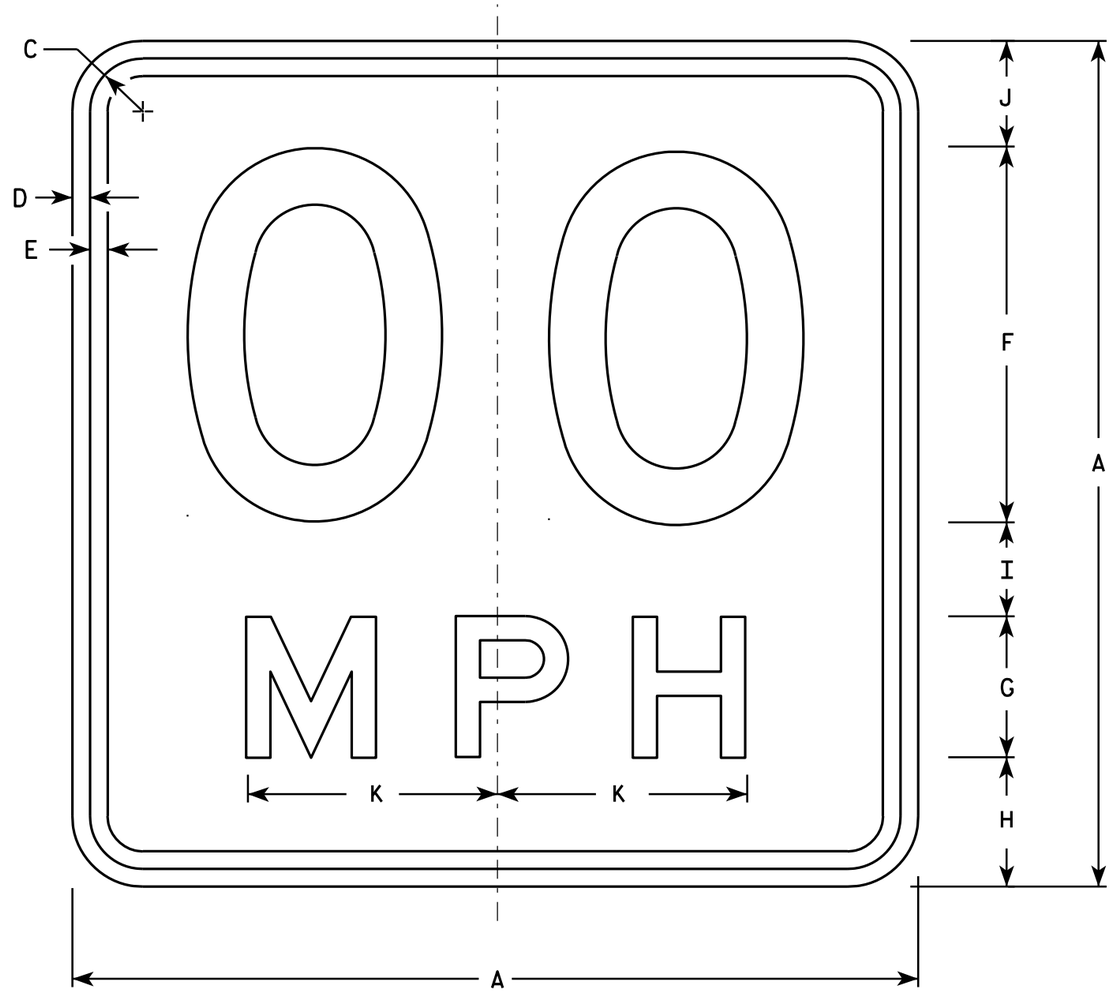
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 499	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

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 - See Note 6
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 space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

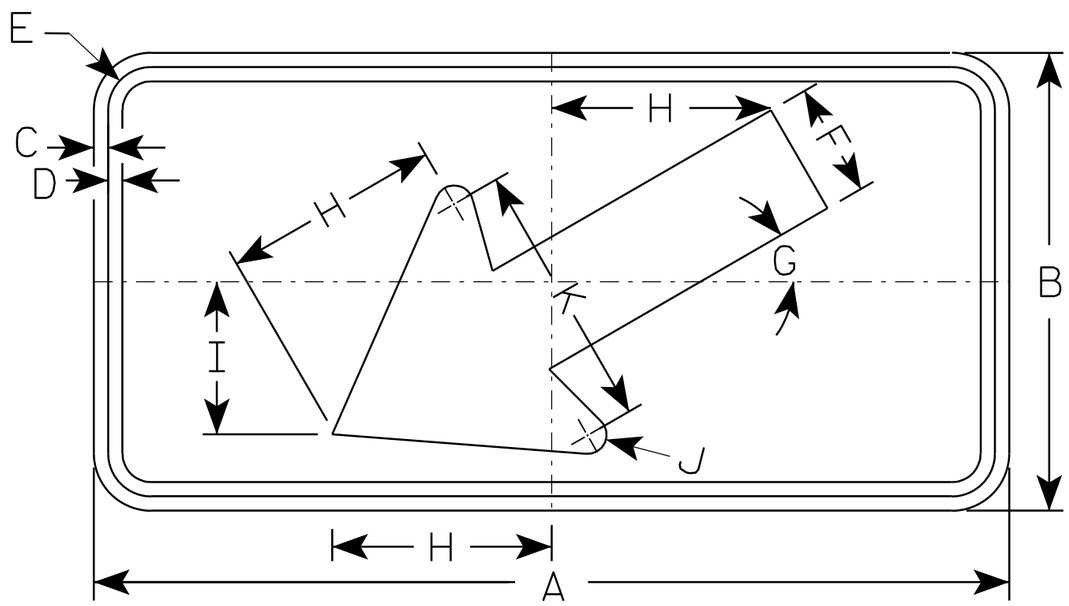
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 500 | E



W16-7L

NOTES

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. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

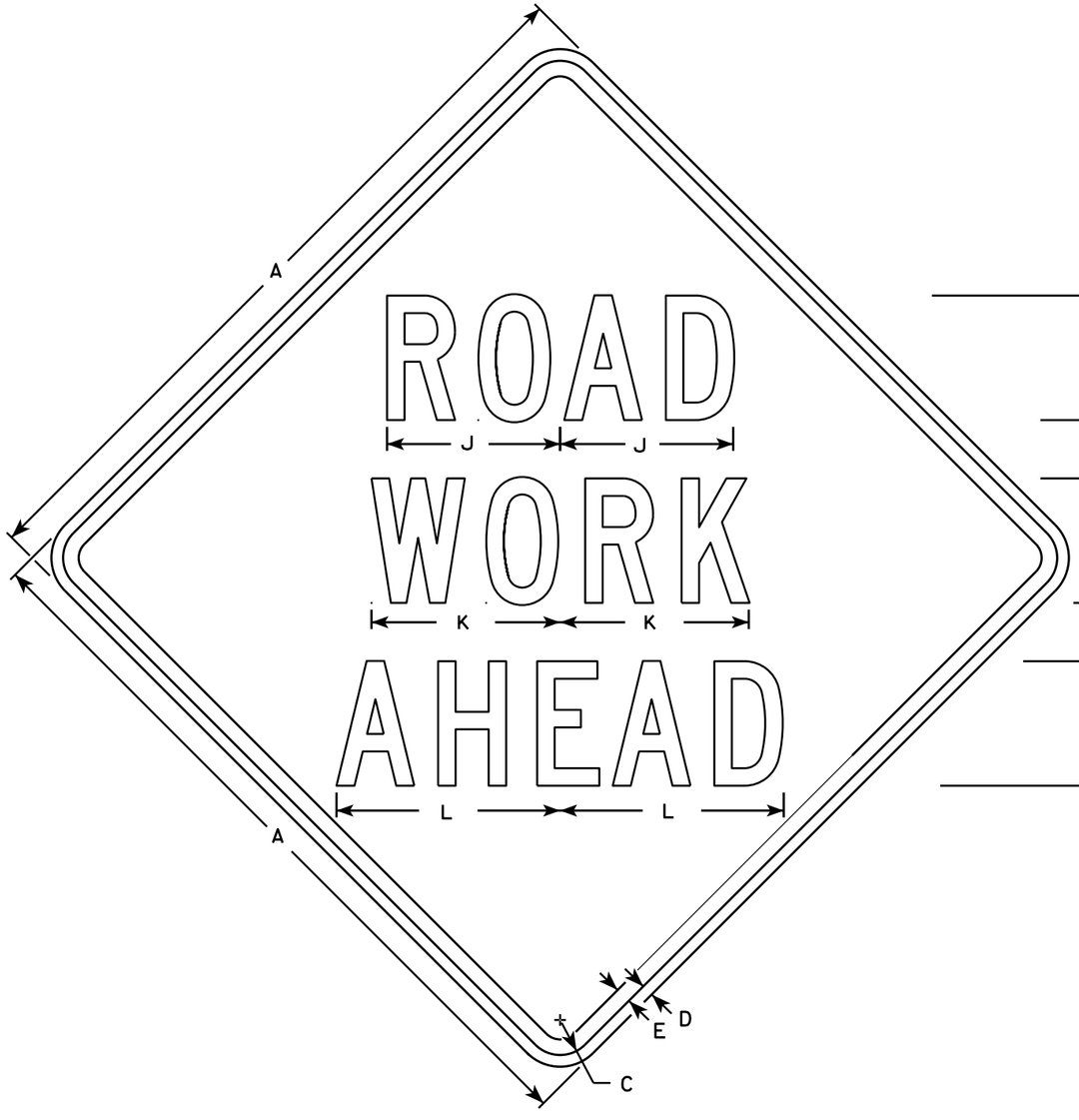
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

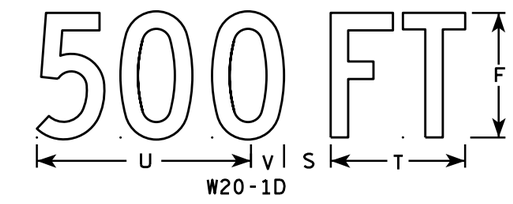
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

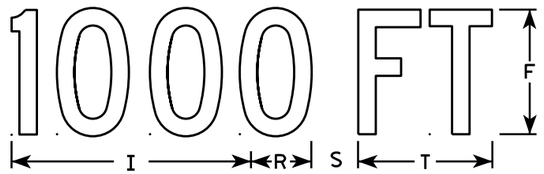
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 501	E



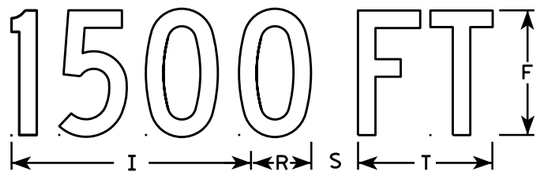
W20-1A



W20-1D



W20-1C



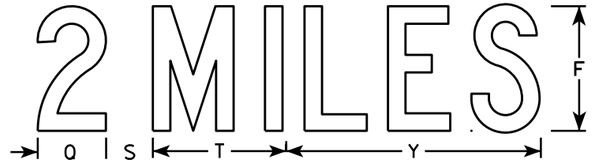
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

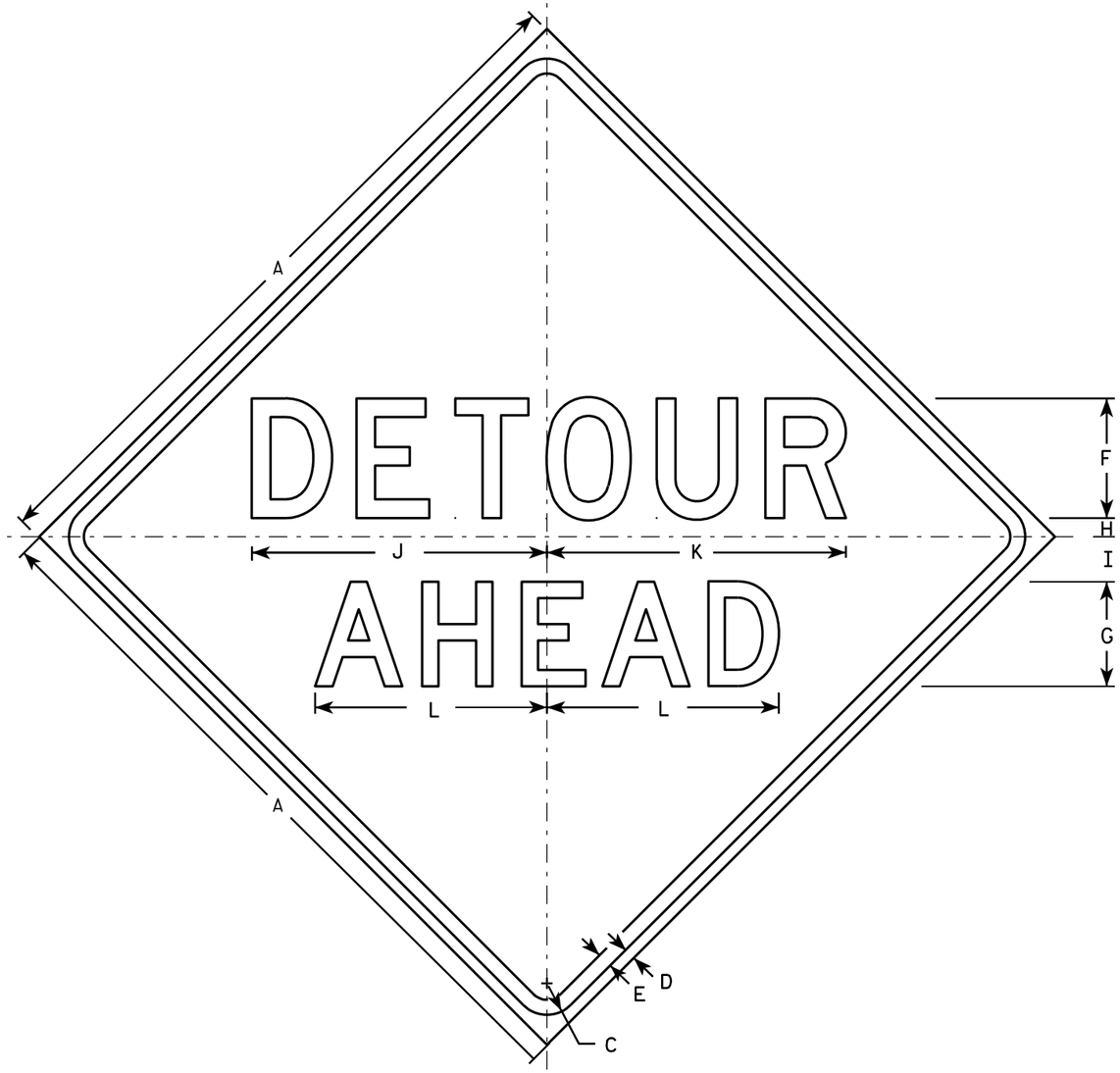
PROJECT NO:

SHEET NO: E

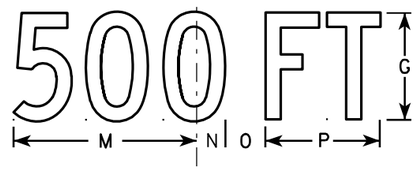
7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W201.dgn PLOT DATE : 27-MAY-2015 15:58 PLOT BY : mscsja

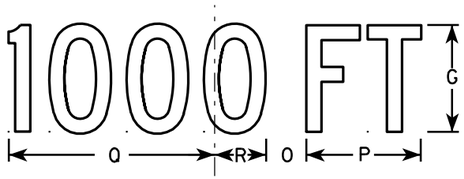
WISDOT/CADDS SHEET 42



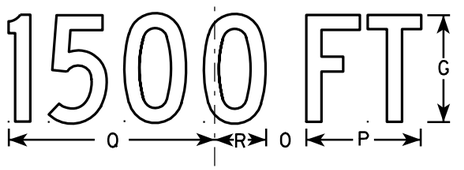
W20-2A



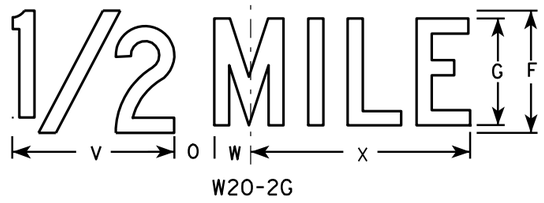
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

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. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

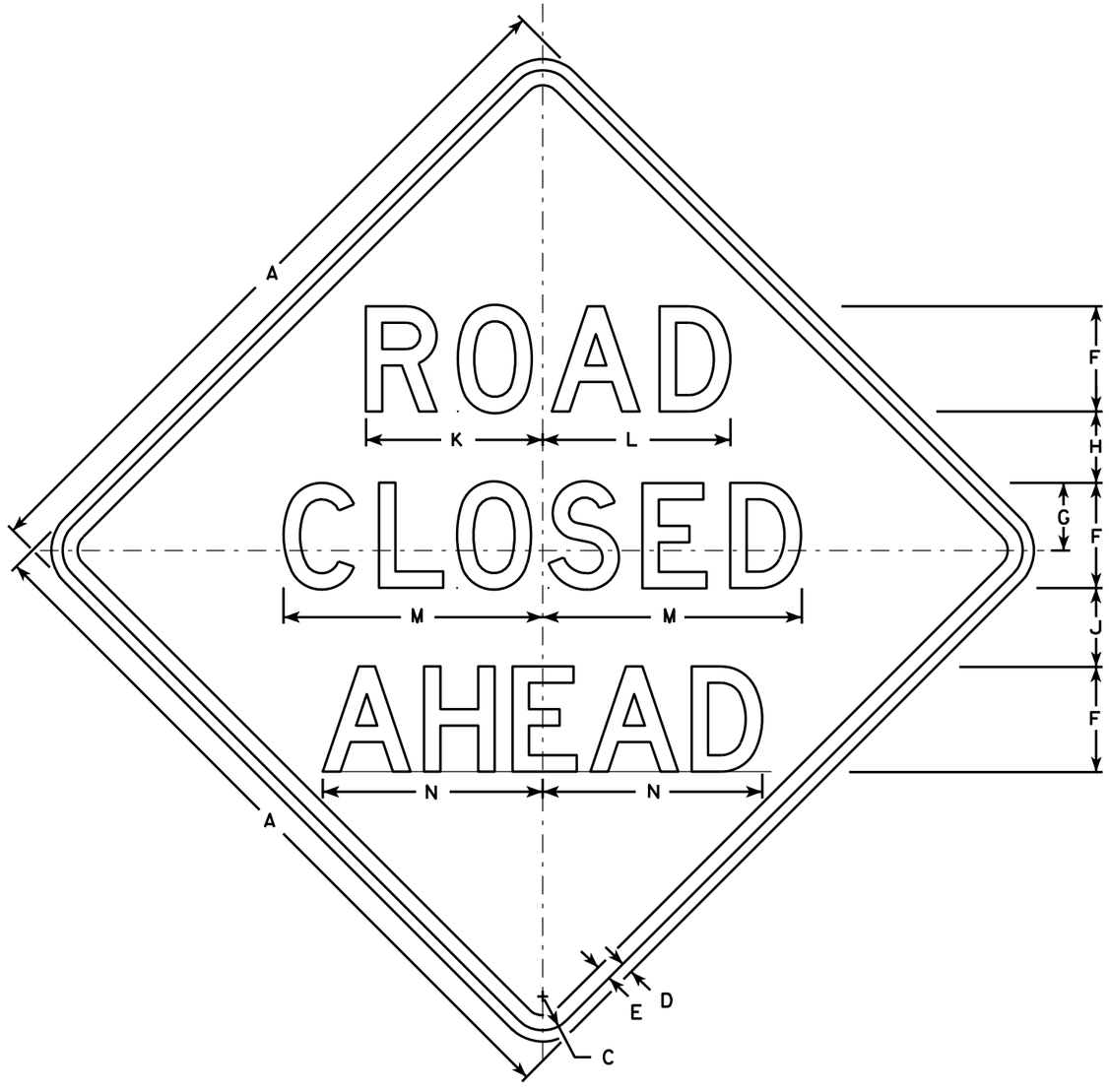
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

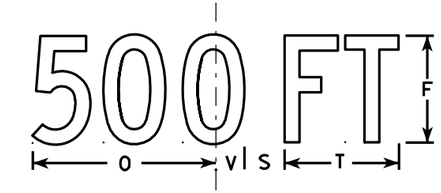
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

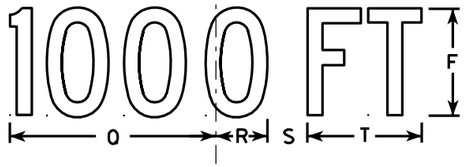
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 503 | E



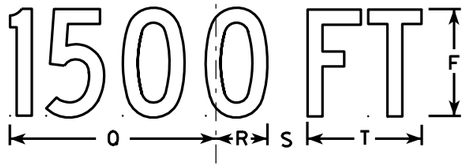
W20-3A



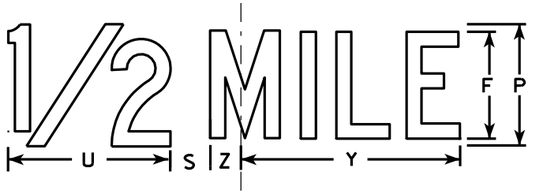
W20-3D



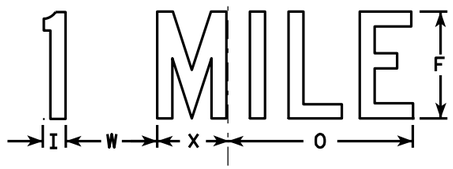
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

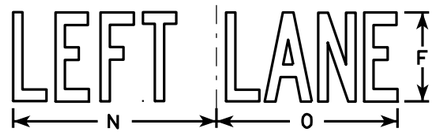
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 504 | E

7

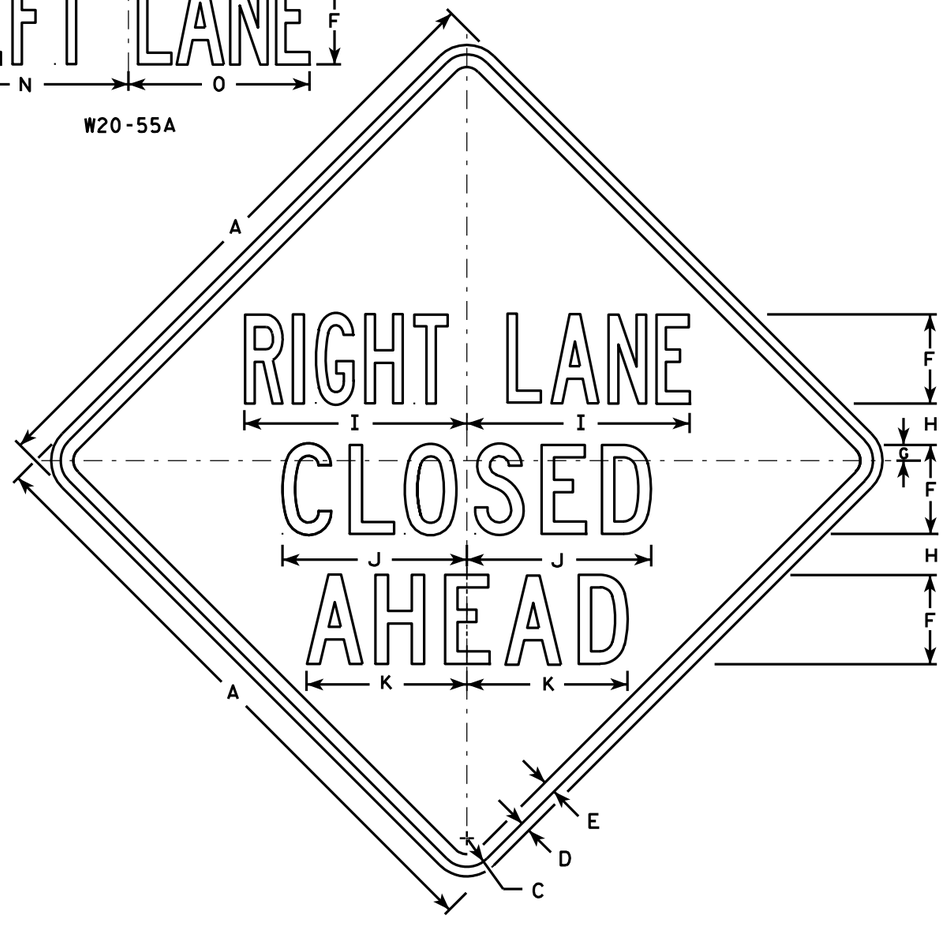
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



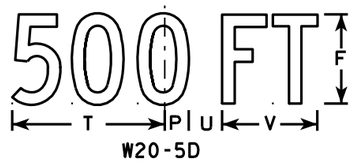
W20-56A



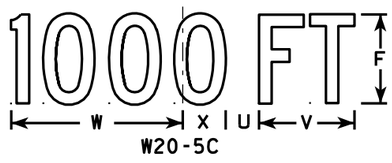
W20-55A



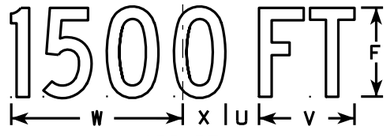
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

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. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

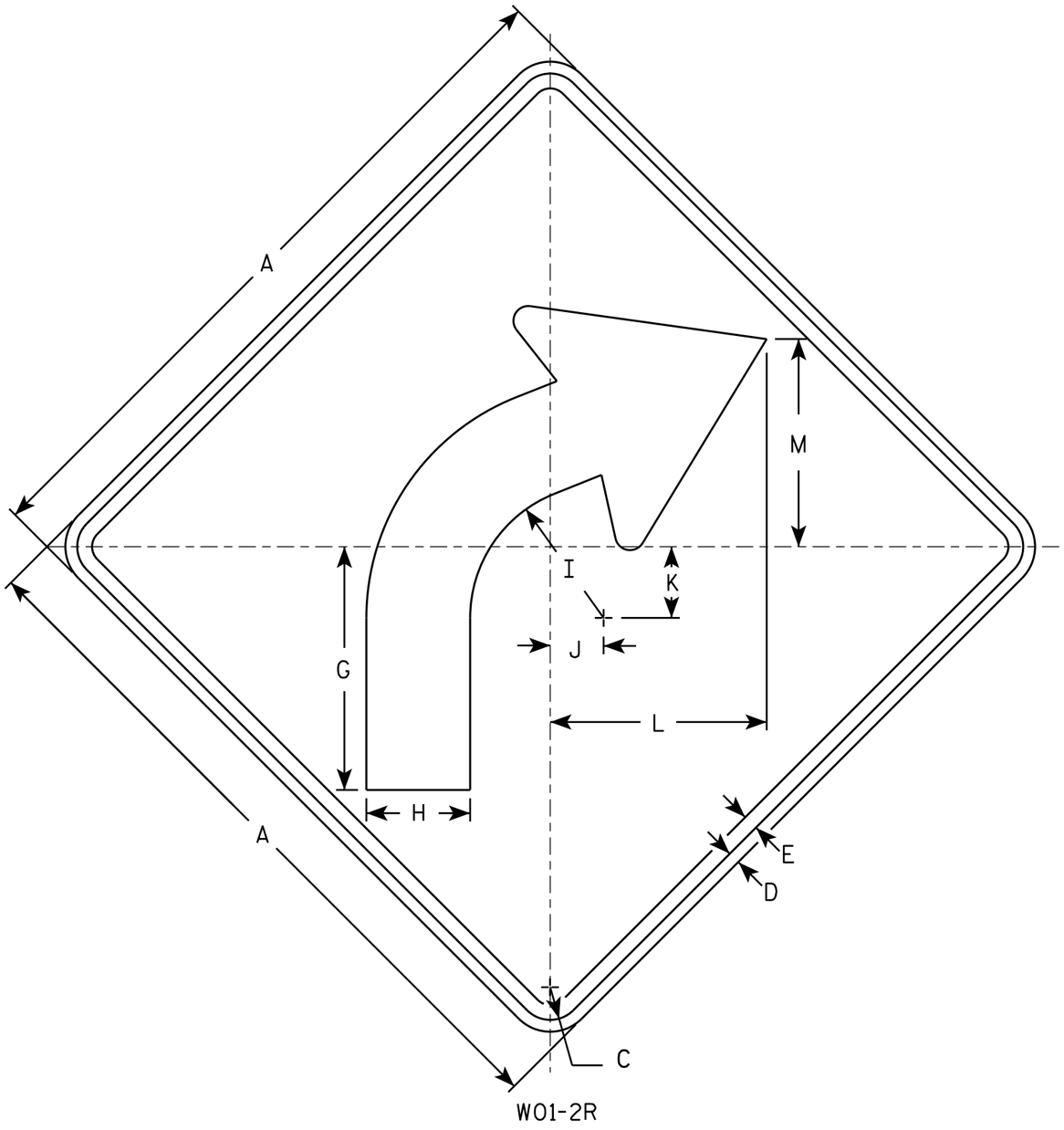
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 505	E

7

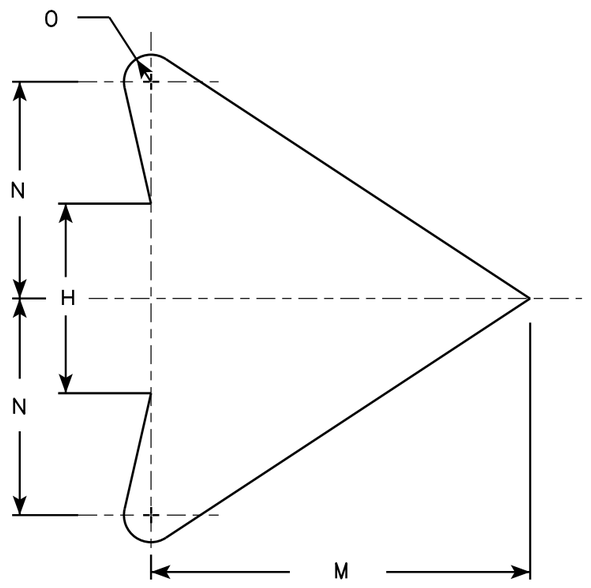
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-2R

NOTES

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. 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. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W01-2

WISCONSIN DEPT OF TRANSPORTATION

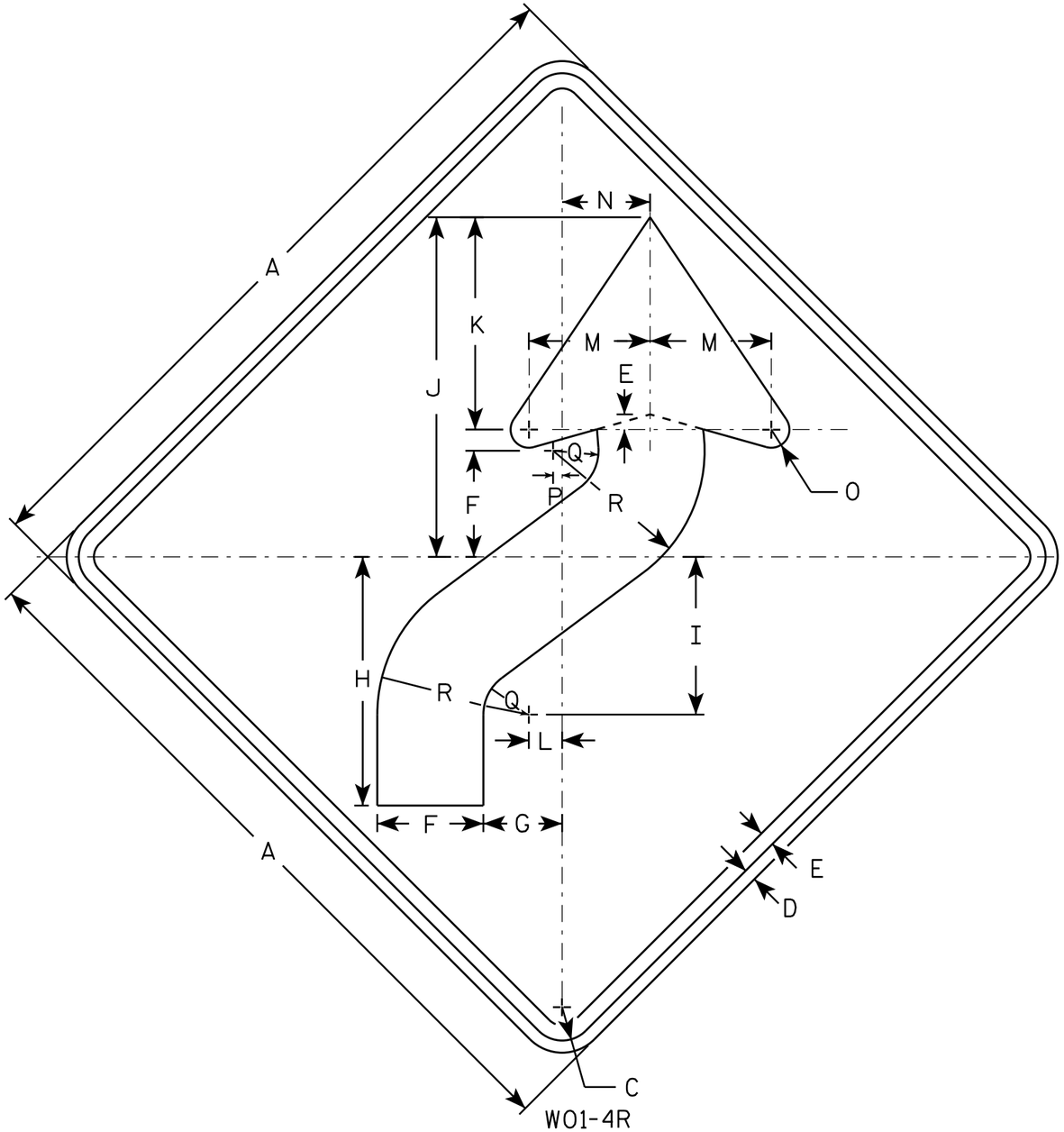
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W012.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.992871:1.000000 WISDOT/CADDS SHEET 42



W01-4R

NOTES

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. 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. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

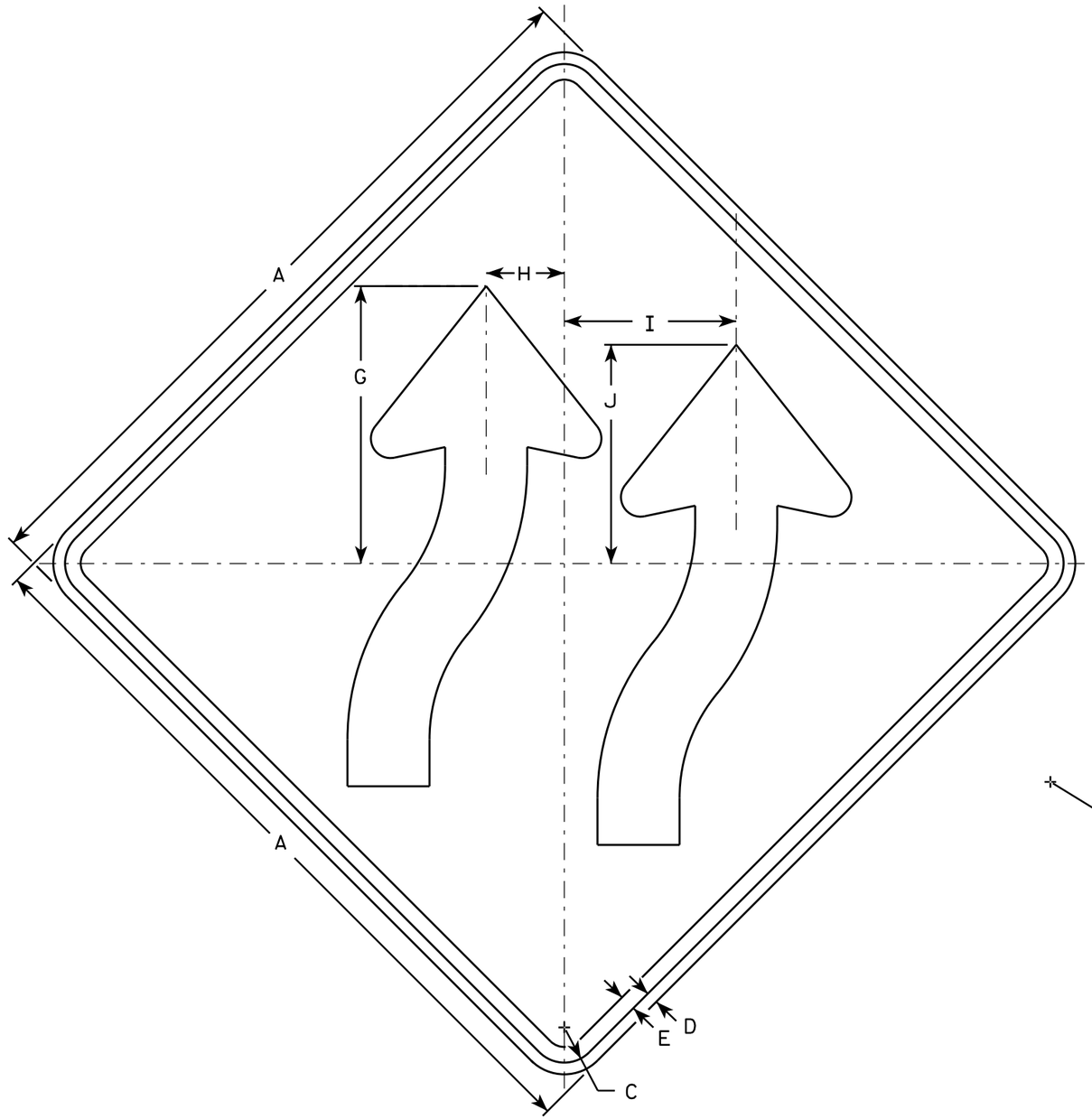
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

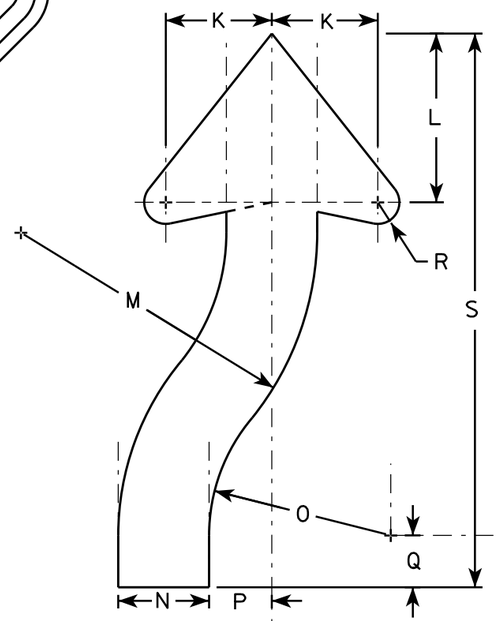
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42

7



W01-4bR



NOTES

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. 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. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

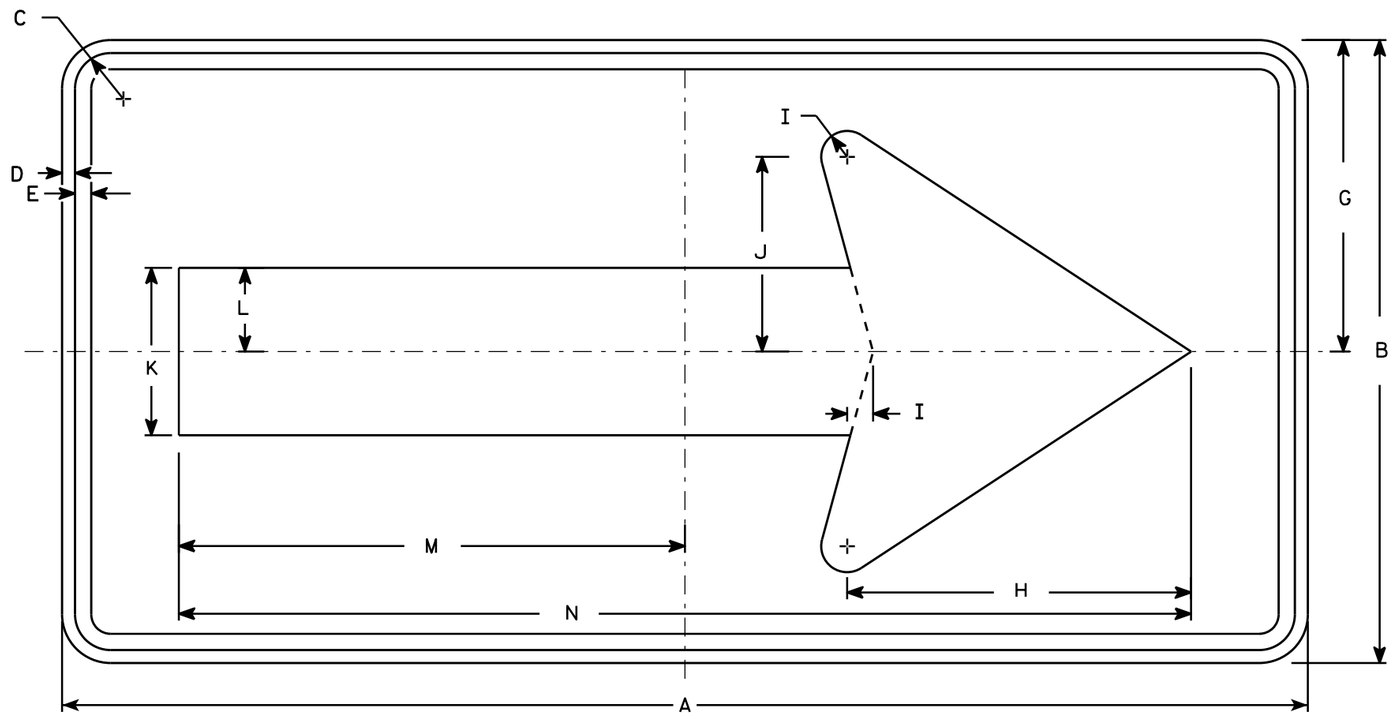
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

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. 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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

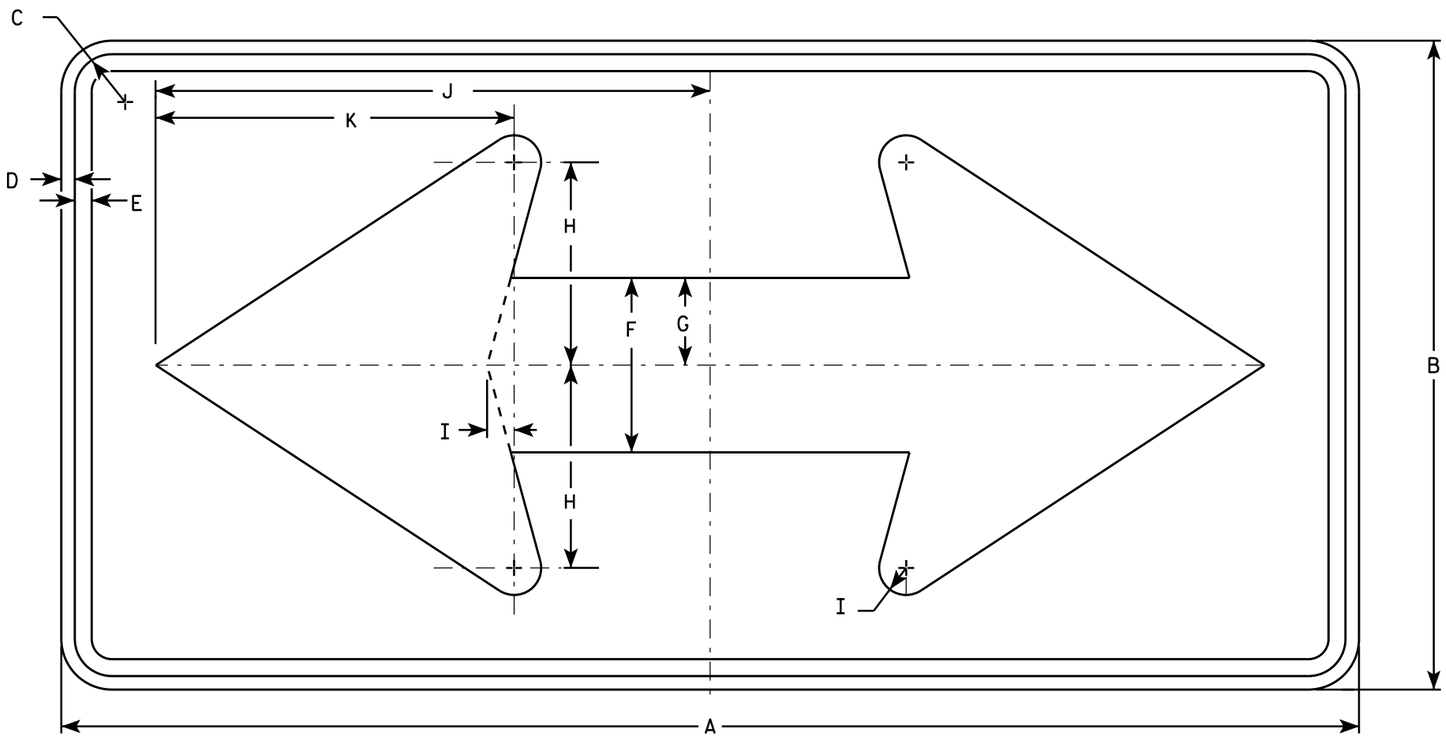
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W01-7

NOTES

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. 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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

STANDARD SIGN
W01-7

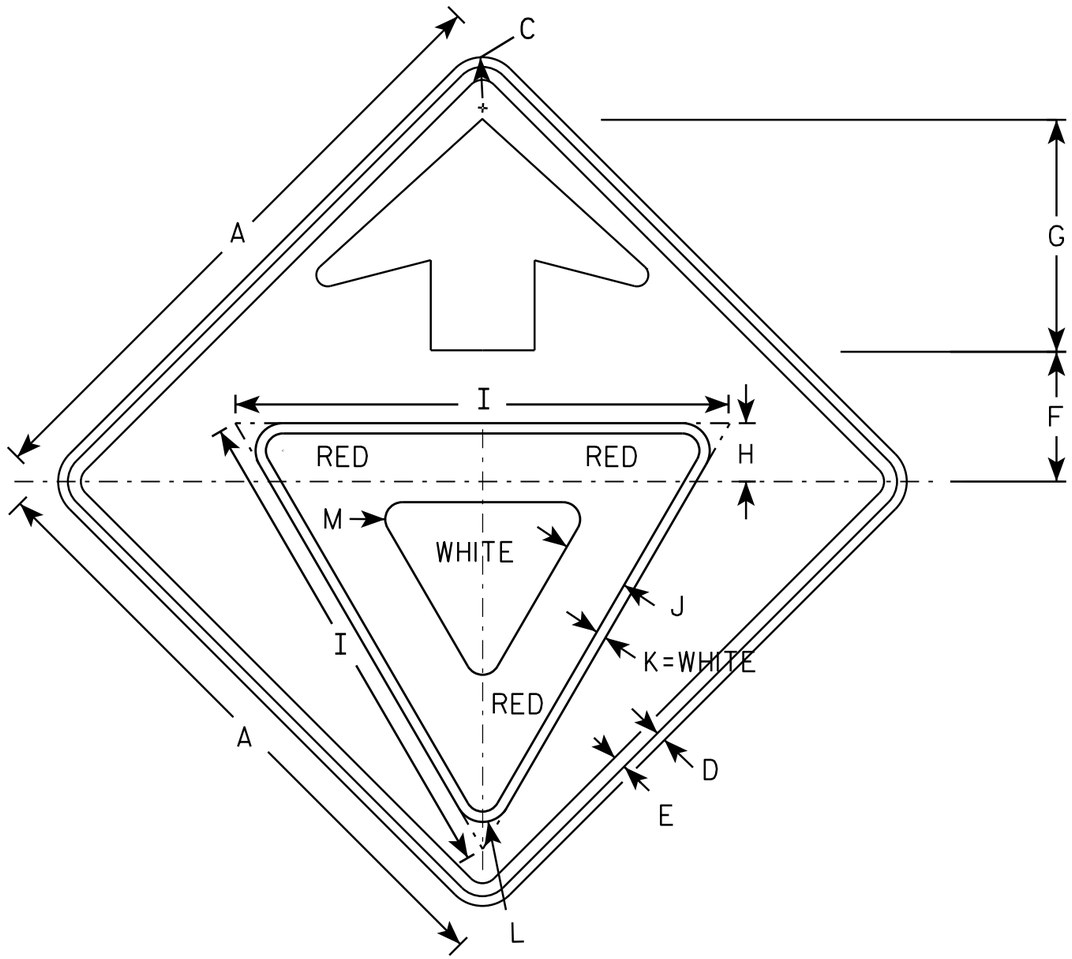
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1510 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

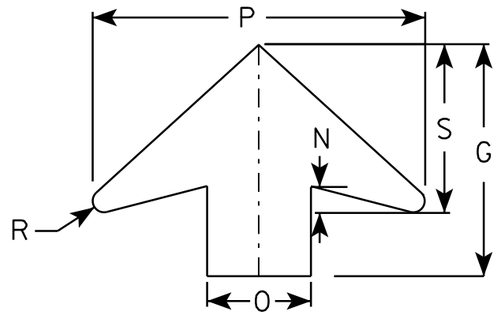
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W017.DGN PLOT DATE : 20-NOV-2013 10:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.604022:1.000000
WISDOT/CADDS SHEET 42



W03-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W03-2

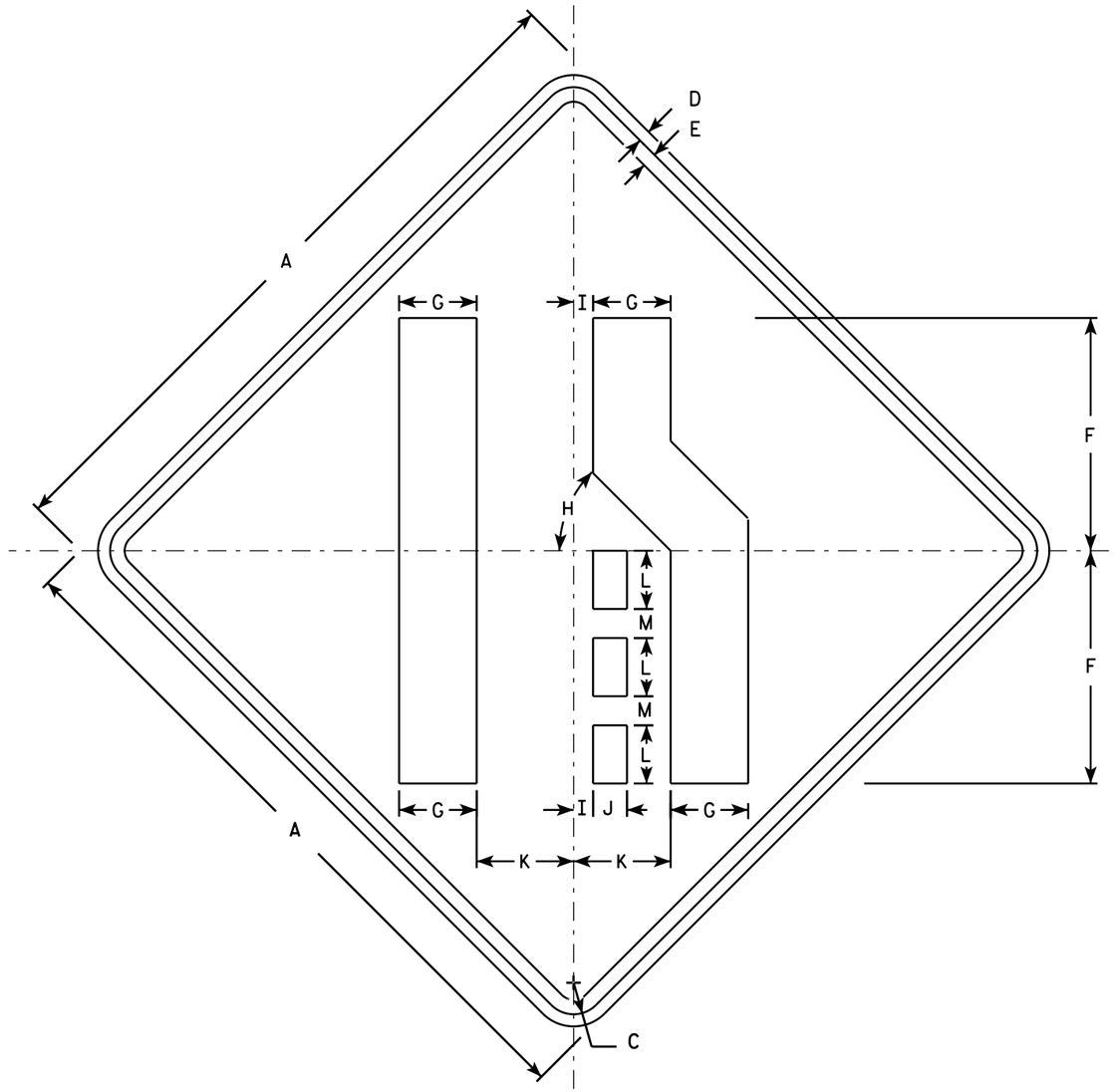
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-2.1

PROJECT NO:

SHEET NO: E



W04-2R

NOTES

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. 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. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

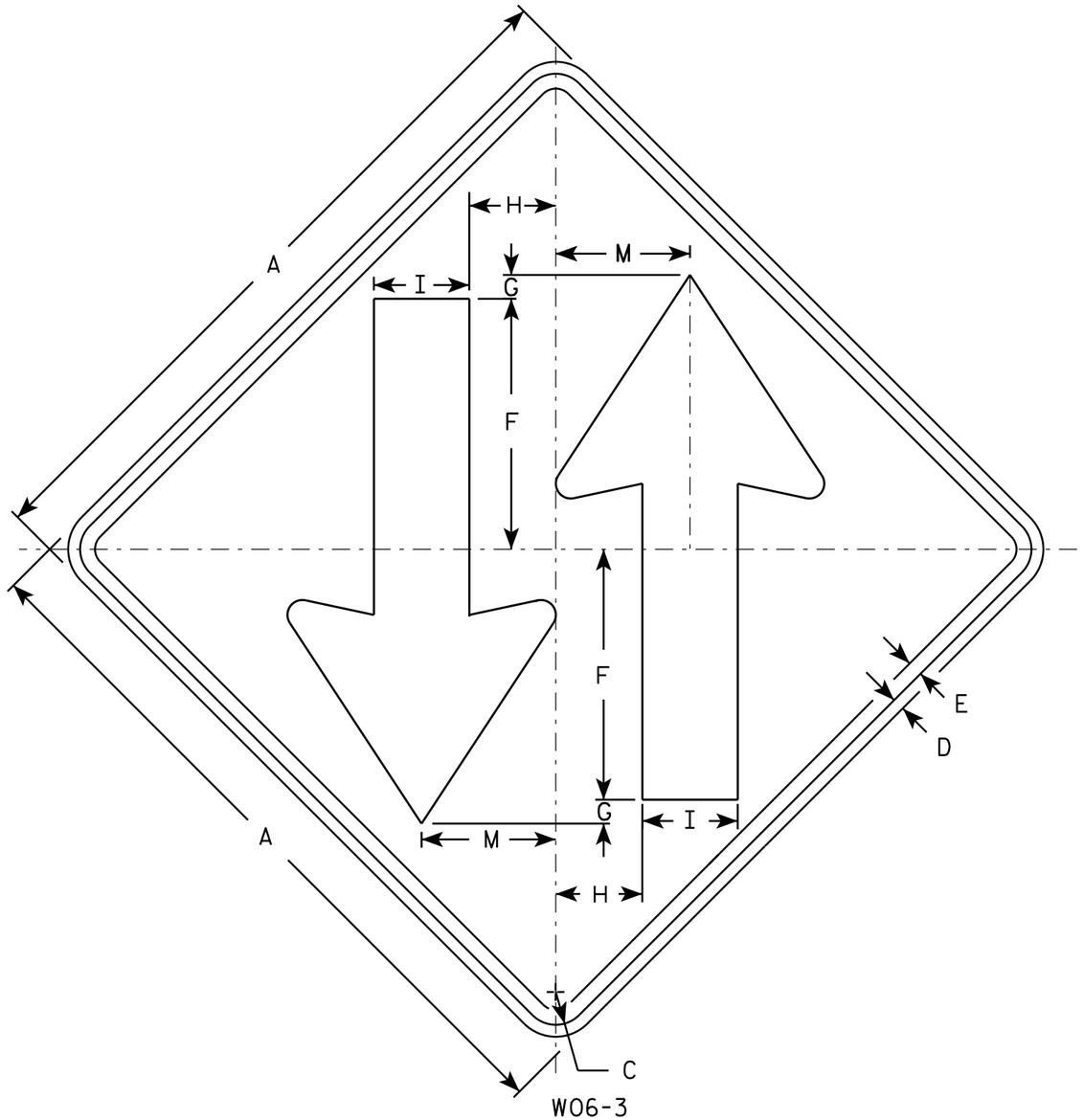
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 512 W04-2.1

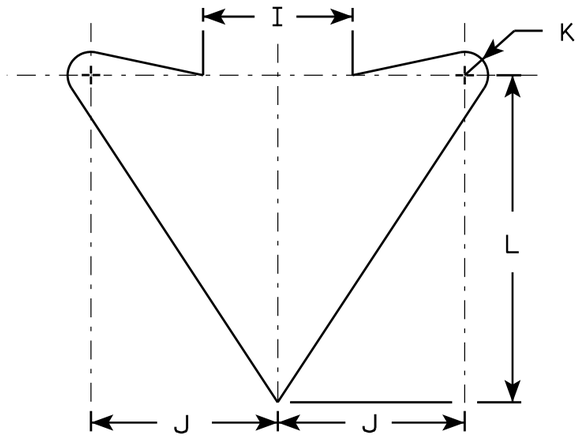
PROJECT NO:

SHEET NO: E



NOTES

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. 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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
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

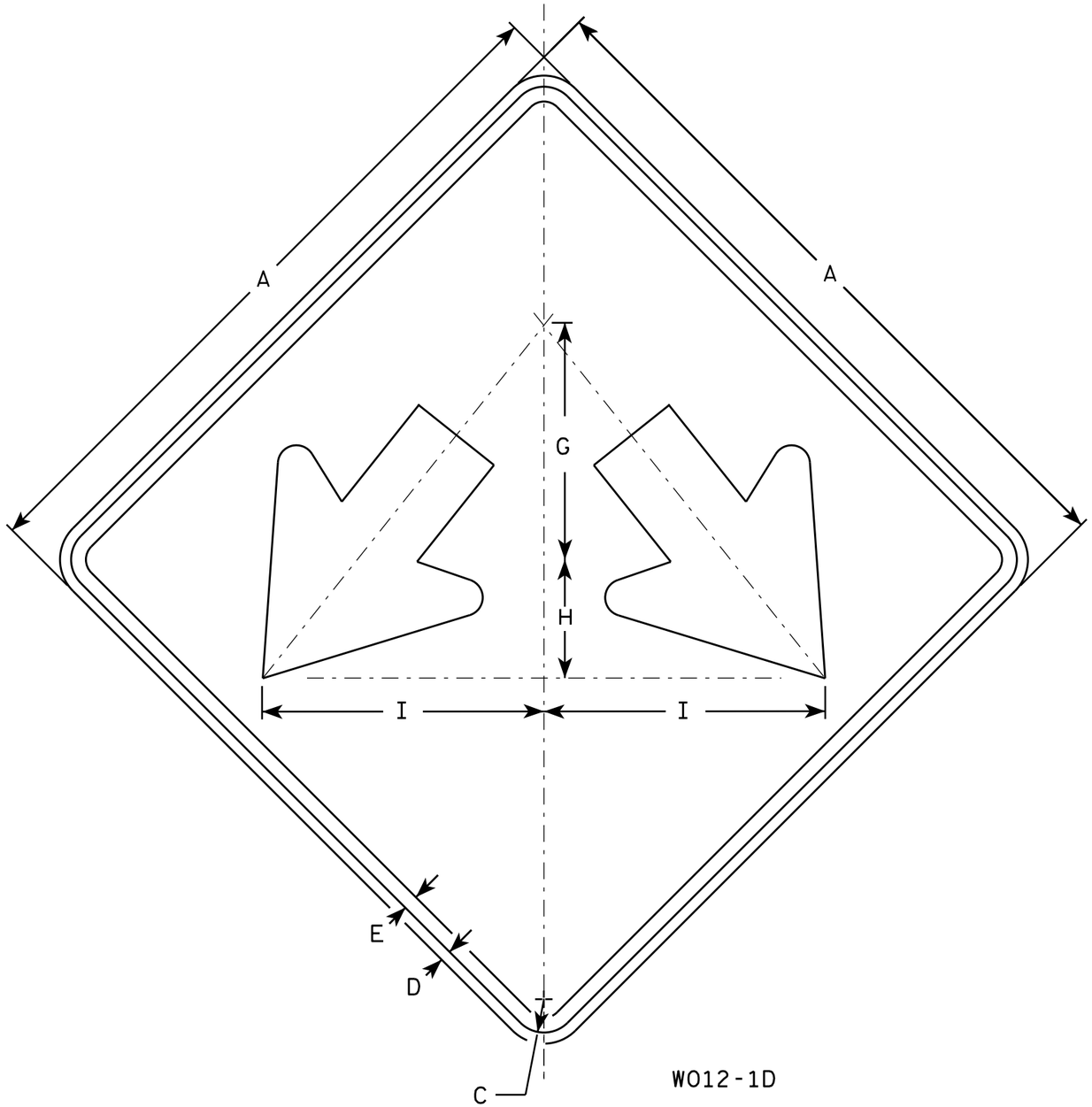
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 513 W06-3.1

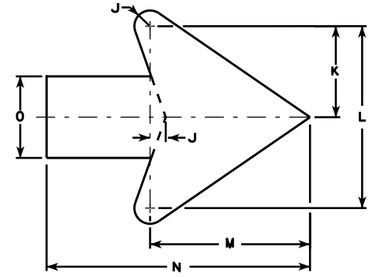
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W012-1D

NOTES

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. 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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
2S	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
2M	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
3	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
4	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

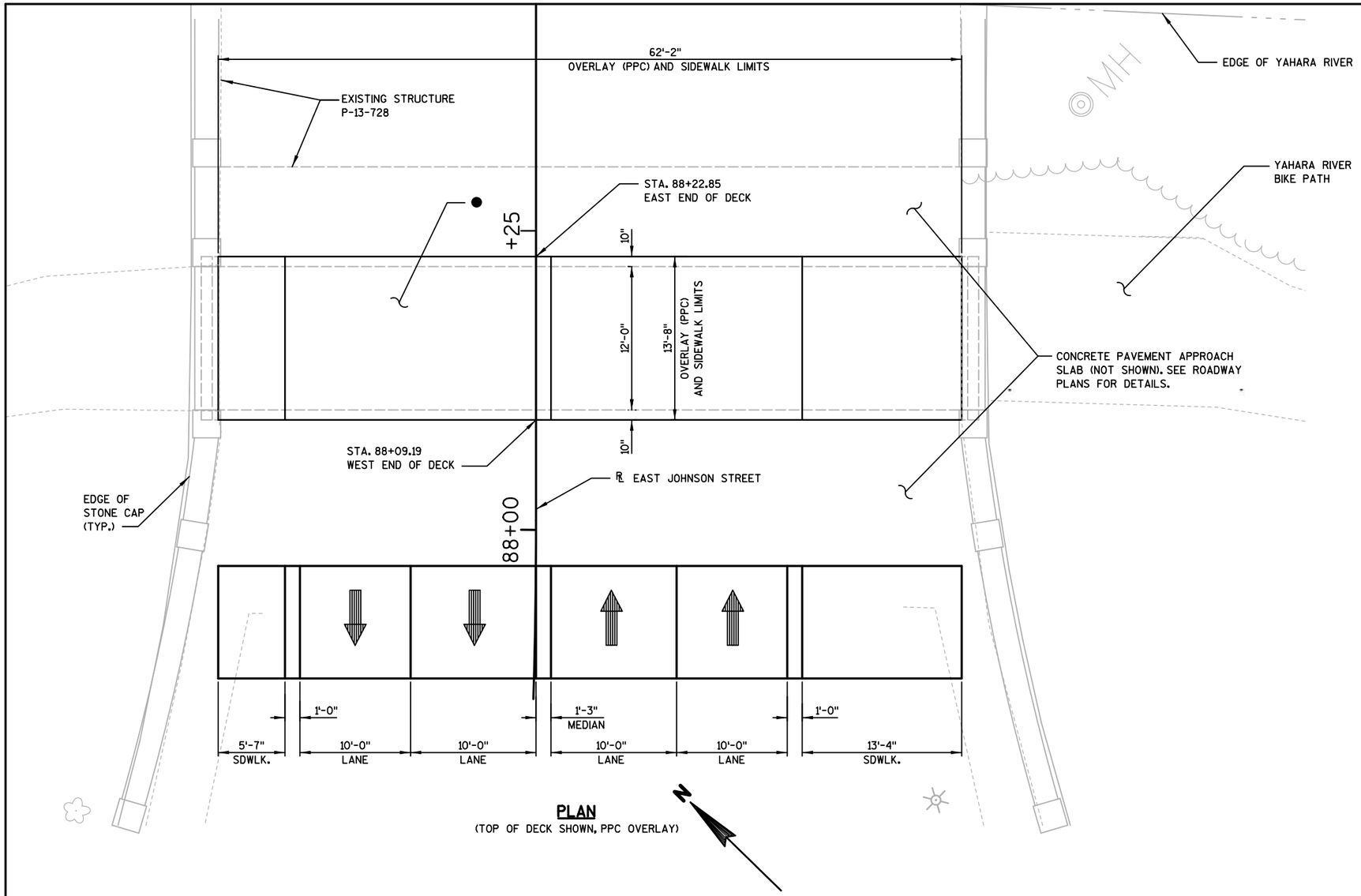
STANDARD SIGN
W012-1D

WISCONSIN DEPT OF TRANSPORTATION

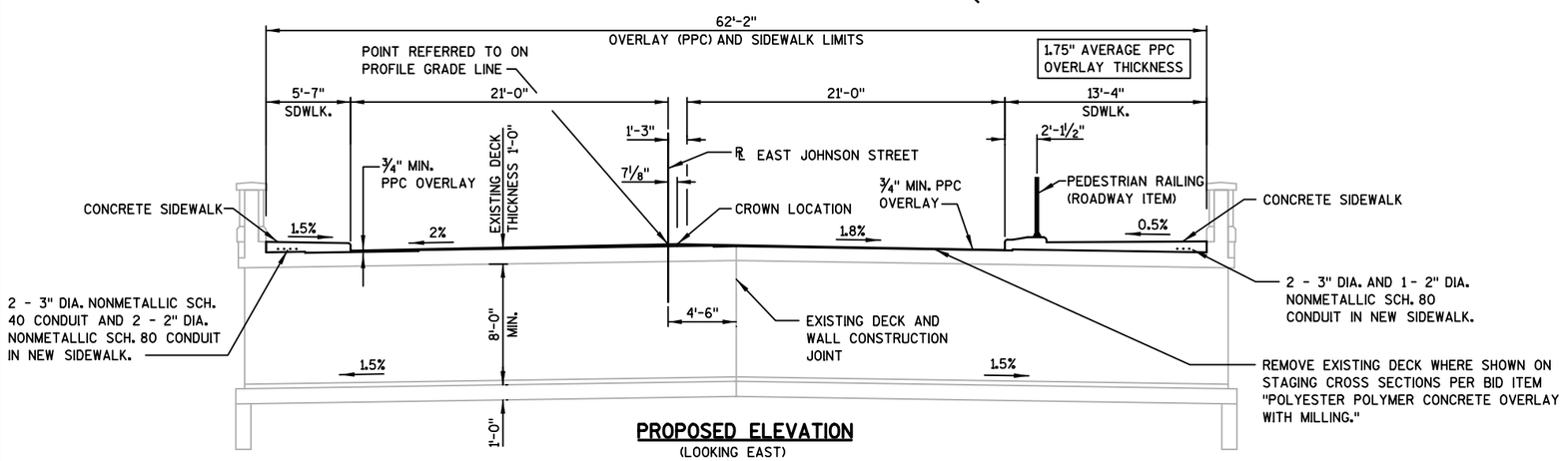
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/20/13 PLATE 514 W012-1D.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



PLAN
(TOP OF DECK SHOWN, PPC OVERLAY)



PROPOSED ELEVATION
(LOOKING EAST)

STATE PROJECT NUMBER

5992-09-14

DESIGN DATA:

LOADS:

LIVE LOAD: HS-20
EARTH LOAD: DESIGNED FOR NO FILL
INVENTORY RATING: HS-20
OPERATING RATING: HS-33
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 190 KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY DECK REPAIR _____ f'c = 4,000 PSI
CONCRETE SUPERSTRUCTURE _____ f'c = 4,000 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT ___ Fy = 60,000 PSI
POLYESTER POLYMER CONCRETE OVERLAY ____ f'c = 5,000 PSI

TRAFFIC DATA

A.D.T. (2019) = 28,500
A.D.T. (2039) = 30,000
DESIGN SPEED = 25 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. EXISTING CROSS SECTION, QUANTITIES, & NOTES
3. CONSTRUCTION STAGING - 1
4. CONSTRUCTION STAGING - 2
5. CONSTRUCTION STAGING - 3
6. SUPERSTRUCTURE DETAILS

LEGEND

● SEE GENERAL NOTE REGARDING PREPARATION DECKS TYPE 1 AND 2 AND FULL DEPTH DECK REPAIR.

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
WILLIAM DREHER (608) 266-8489

DESIGN CONSULTANT CONTACT:
KEITH BEHREND (608) 251-4843

BENCHMARKS

NO.	STATION	DESCRIPTION	ELEV.
BM #1	87+20, 44' RT	MARKER SQ. SW CORNER W. END RETAINING WALL THORNTON DEAD END & E. JOHNSON BACK OF WALK	851.01
BM #2	92+49, 41' RT	TOP NUT HYDRANT, E. JOHNSON STREET ⊠ TRAIN CROSSING SIGN	856.21

NOTE: BENCHMARKS ARE OUTSIDE OF PLAN EXTENTS. SEE ROADWAY PLAN AND PROFILE SHEETS FOR BENCHMARK LOCATIONS.

WISCONSIN
KEITH R. BEHREND
E-42073
MADISON
WI
PROFESSIONAL ENGINEER
Keith R. Behrend
10/9/2018

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 10/10/18
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-13-147

EAST JOHNSON ST. OVER YAHARA RIVER BIKE PATH

COUNTY		~~TOWN~~/CITY/~~VILLAGE~~	
	DANE		MADISON

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	EJC	DESIGN CK'D.	KRB	DRAWN BY	DTH	PLANS CK'D.	KRB

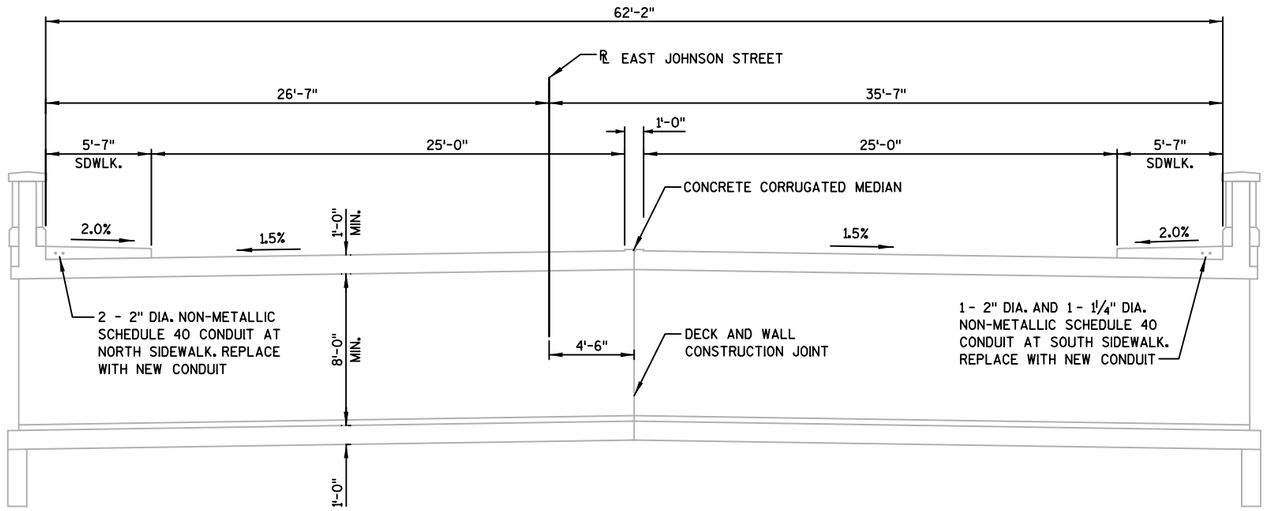
GENERAL PLAN & ELEVATION

SHEET 1 OF 6
515

FILE NAME : G:\PROJECTS\1000--1099\1020\083\Micros\Plan\080101_gp.dgn

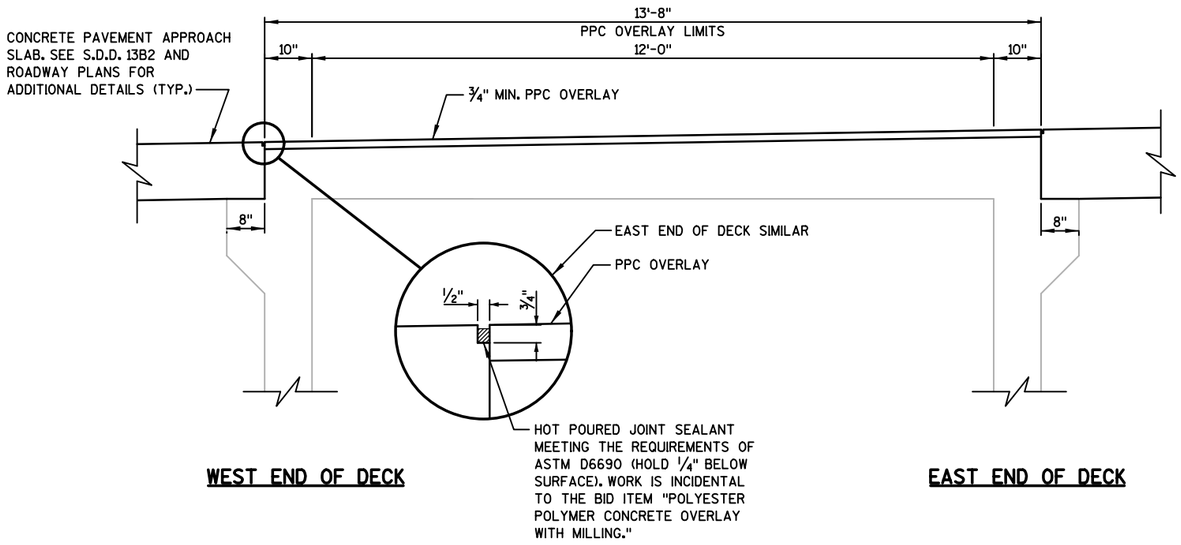
STATE PROJECT NUMBER

5992-09-14



EXISTING ELEVATION

(LOOKING EAST)



WEST END OF DECK

EAST END OF DECK

CROSS SECTION THRU BOX CULVERT

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL STATIONS AND ELEVATIONS ARE IN FEET.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST DIGIT OF THE BAR MARKS SIGNIFY THE BAR SIZE.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP SURFACE OF SIDEWALKS AND INSIDE FACE OF CURBS ON SIDEWALKS.

CONCRETE SHALL BE REMOVED FROM THE BRIDGE DECK AS DETAILED IN THE STAGING CROSS SECTIONS UNDER THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING."

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE ESTIMATED. ACTUAL QUANTITIES AND LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH THE FIELD ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIR SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR" OR POLYESTER POLYMER CONCRETE. SEE SECTION C.2 OF "POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING" SPECIAL PROVISION.

AREAS OF "PREPARATION DECKS TYPE 1" SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING."

NOT MORE THAN ⅓ OF THE TOP BAR STEEL IN DECK SHALL BE EXPOSED AT THE WEST AND EAST ENDS OF DECK IF DECK REPAIR IS REQUIRED.

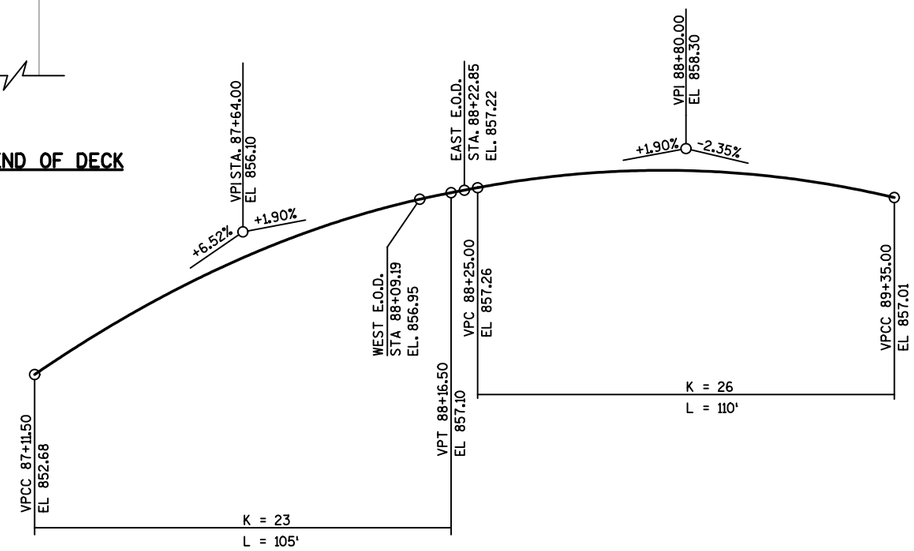
ANY EXCAVATION REQUIRED TO COMPLETE THE WORK TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING."

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¾" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 1¾". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

POLYESTER POLYMER CONCRETE (PPC) OVERLAY PLACEMENT AND OTHER PROPOSED WORK ITEMS MUST CONFORM TO TRAFFIC CONTROL RESTRICTIONS NOTED ELSEWHERE IN THE CONTRACT DOCUMENTS. PPC OVERLAY CONTRACTOR JOINTS TO BE APPROVED BY THE ENGINEER. SEE TRANSVERSE AND LONGITUDINAL JOINT DETAILS ON "SUPERSTRUCTURE DETAILS" SHEET.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
502.0100	CONCRETE MASONRY BRIDGES	CY	7
502.3200	PROTECTIVE SURFACE TREATMENT	SY	32
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EA	30
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	310
509.0301	PREPARATION DECKS TYPE 1	SY	5
509.0302	PREPARATION DECKS TYPE 2	SY	2
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	50
509.2000	FULL-DEPTH DECK REPAIR	SY	1
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	1
652.0235	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	LF	28
652.0325	CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH	LF	41
652.0335	CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH	LF	28
SPV.0025.001	POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING	CF	86



PROFILE GRADE LINE - EAST JOHNSON STREET

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-147

DRAWN BY DTH | PLANS CK'D. KRB

EXISTING CROSS SECTION, QUANTITIES, & NOTES

SHEET 2
516

8

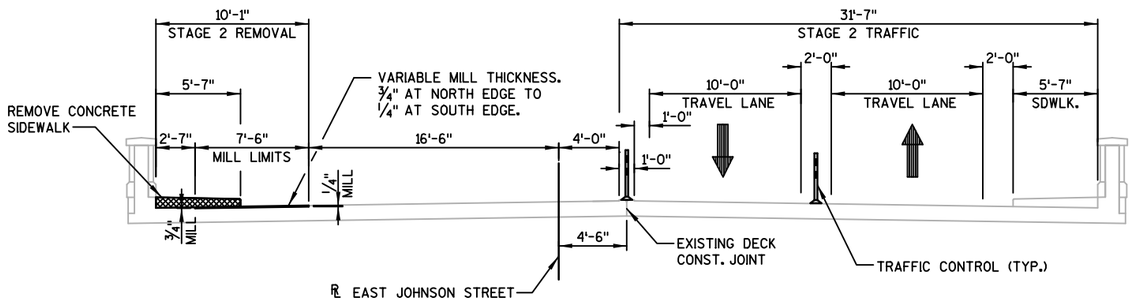
8

FILE NAME : G:\PROJECTS\1000--1099\1020\083\Micros\Plan\080102_es.dgn

STATE PROJECT NUMBER
5992-09-14

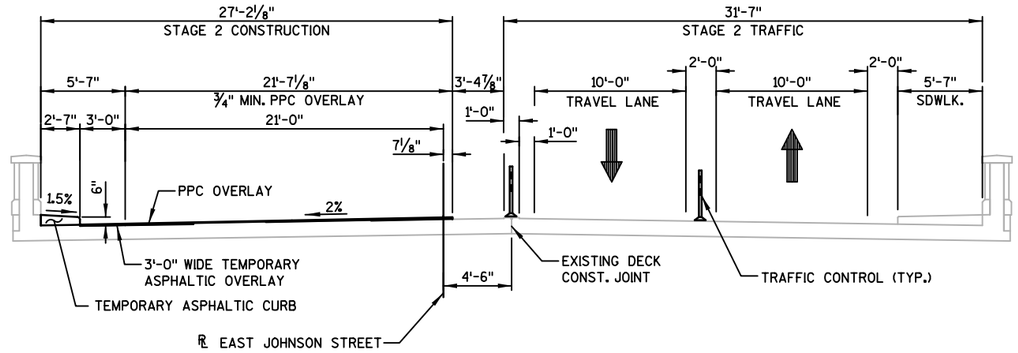
GENERAL NOTES

TEMPORARY ASPHALTIC CURB AND OVERLAY TO BE INCLUDED IN THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING."



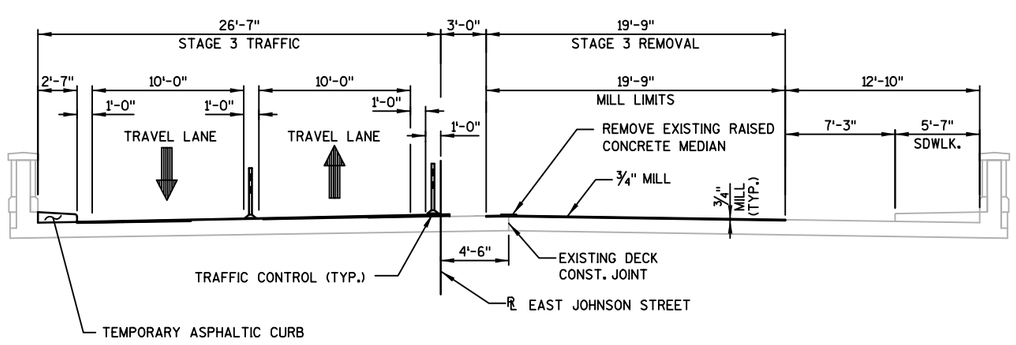
STAGE 2 TRAFFIC AND REMOVAL

(LOOKING EAST)



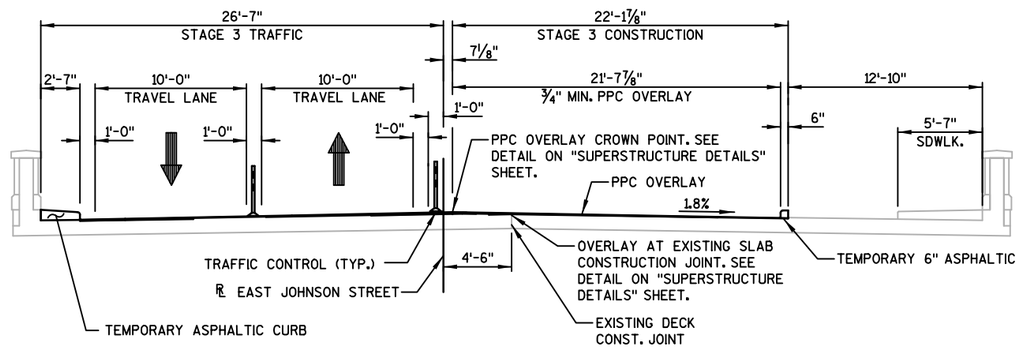
STAGE 2 TRAFFIC AND CONSTRUCTION

(LOOKING EAST)



STAGE 3 TRAFFIC AND REMOVAL

(LOOKING EAST)



STAGE 3 TRAFFIC AND CONSTRUCTION

(LOOKING EAST)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-147

DRAWN BY DTH | PLANS CK'D. KRB

CONSTRUCTION STAGING - 1

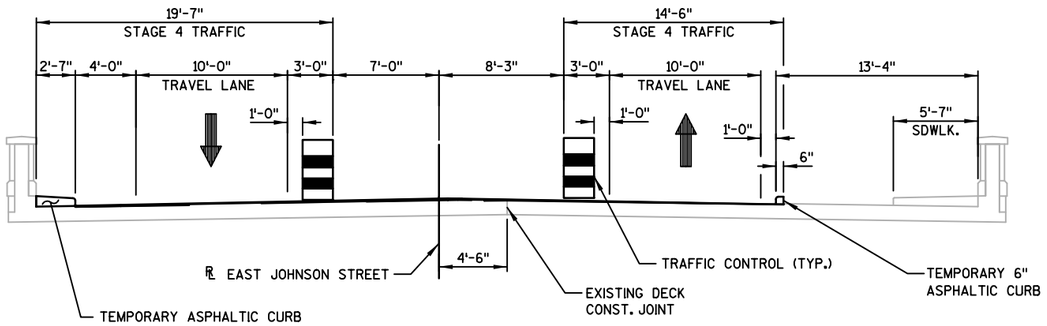
SHEET 3
517

FILE NAME : G:\PROJECTS\1000--1099\1020\083\Micros\Plan\080103_cs.dgn

STATE PROJECT NUMBER
5992-09-14

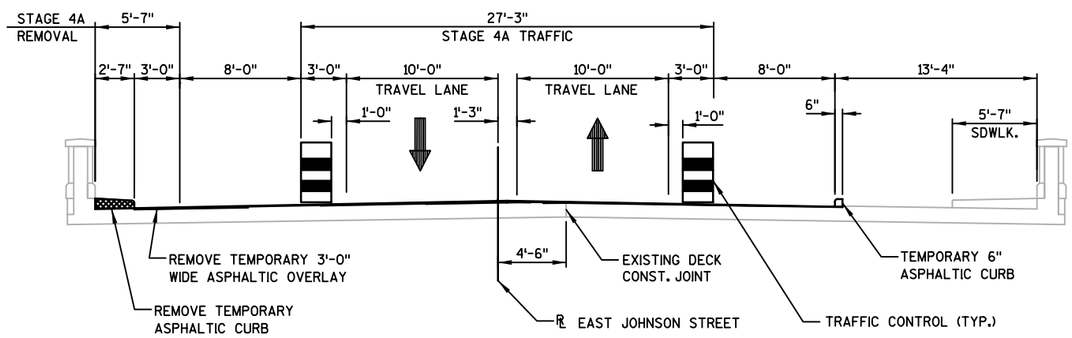
GENERAL NOTES

TEMPORARY ASPHALTIC CURB AND OVERLAY TO BE INCLUDED IN THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING."



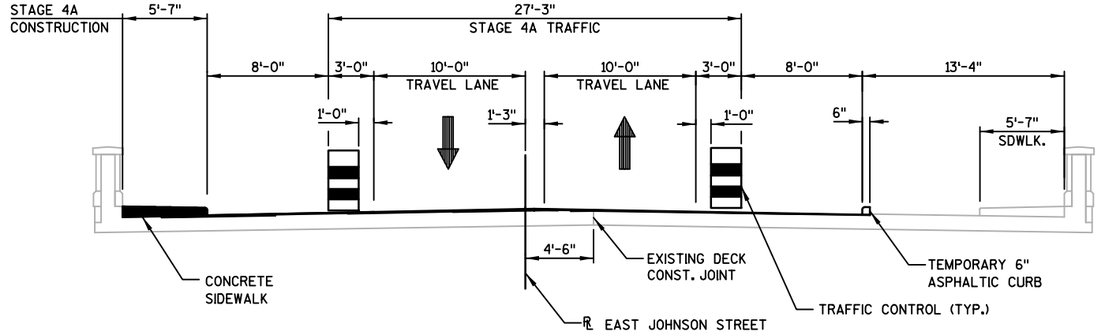
STAGE 4 TRAFFIC

(LOOKING EAST)



STAGE 4A TRAFFIC AND REMOVAL

(LOOKING EAST)



STAGE 4A TRAFFIC AND CONSTRUCTION

(LOOKING EAST)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-147

DRAWN BY DTH | PLANS CK'D. KRB

CONSTRUCTION STAGING - 2

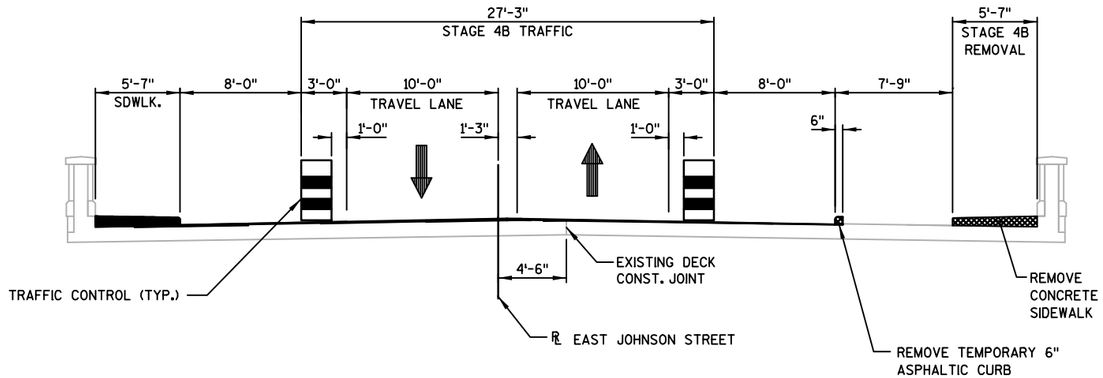
SHEET 4
518

FILE NAME : G:\PROJECTS\1000--1099\1020\083\Micros\Plan\080104_cs.dgn

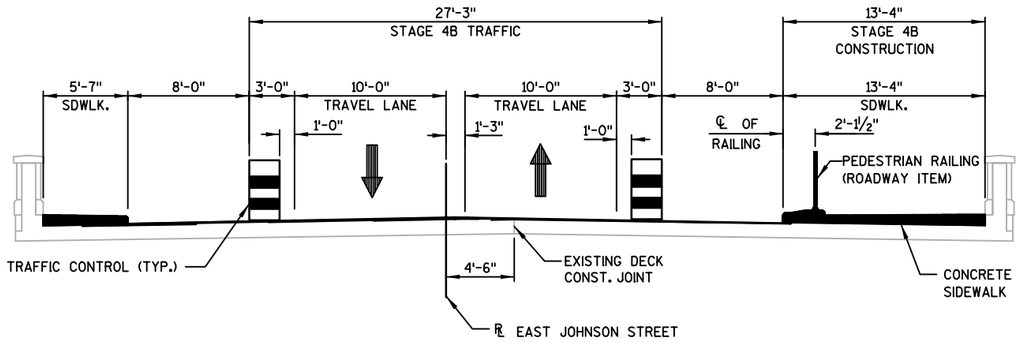
STATE PROJECT NUMBER
5992-09-14

GENERAL NOTES

TEMPORARY ASPHALTIC CURB AND OVERLAY TO BE INCLUDED IN THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY WITH MILLING."



STAGE 4B TRAFFIC AND REMOVAL
(LOOKING EAST)



STAGE 4B TRAFFIC AND CONSTRUCTION
(LOOKING EAST)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-147

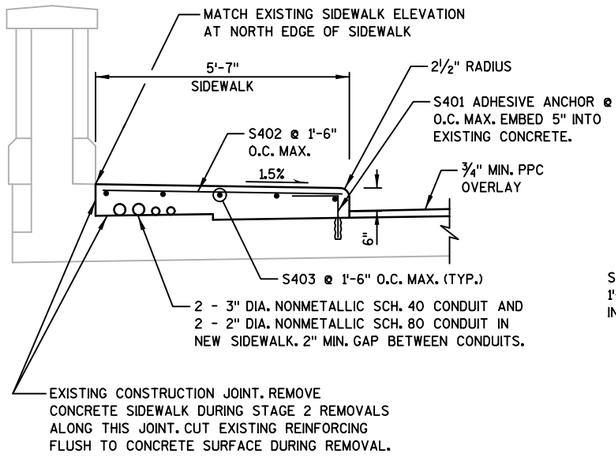
DRAWN BY DTH | PLANS CK'D. KRB

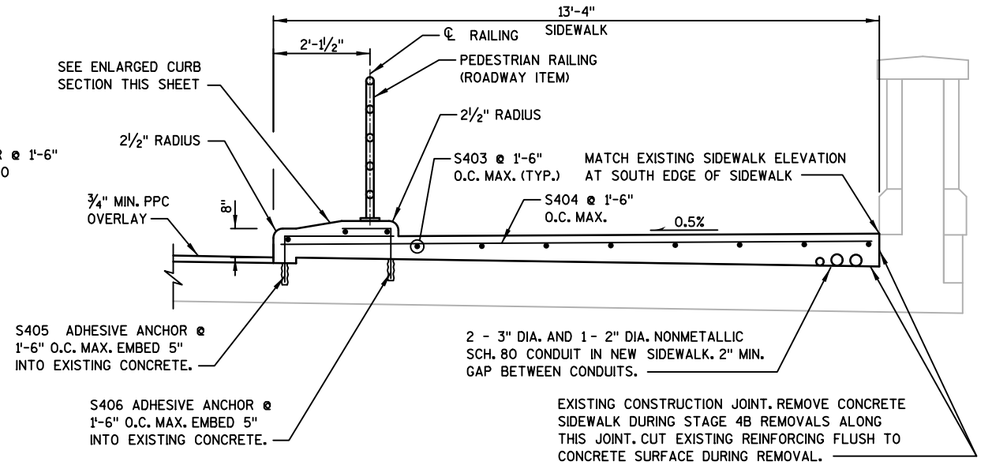
CONSTRUCTION STAGING - 3

SHEET 5
519

FILE NAME : G:\PROJECTS\1000--1099\1020\083\Micros\Plan\080105_cs.dgn

STATE PROJECT NUMBER
5992-09-14



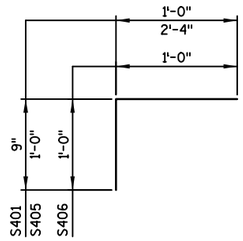


SECTION AT SOUTH SIDEWALK

SUPERSTRUCTURE BILL OF BARS

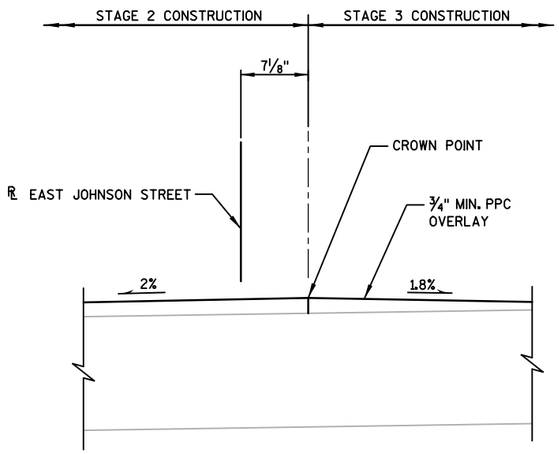
COATED: 310 LBS

	BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
△	S401	10	1'-8"	X	X	SIDEWALK - DOWEL - VERT. - NORTH
	S402	10	5'-3"		X	SIDEWALK - TRANS. - HORIZ. - NORTH
	S403	16	13'-4"		X	SIDEWALK - LONG. - HORIZ.
	S404	10	13'-0"		X	SIDEWALK - TRANS. - HORIZ. - SOUTH
△	S405	10	3'-3"	X	X	SIDEWALK - DOWEL - VERT. - SOUTH
△	S406	10	1'-11"	X	X	SIDEWALK - DOWEL - VERT. - SOUTH



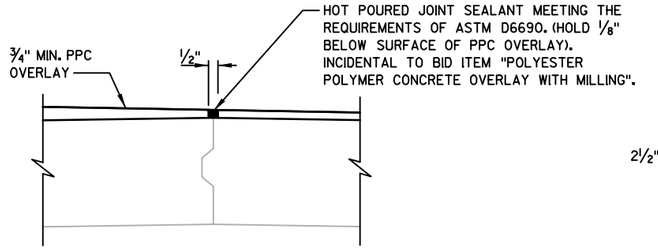
S401, S405, S406

SECTION AT NORTH SIDEWALK

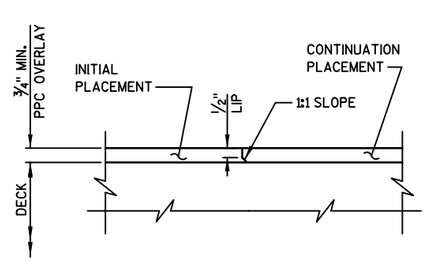


CROSS SECTION THRU STAGED CONSTRUCTION JOINT

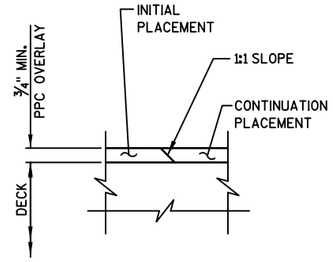
(LOOKING EAST)



CROSS SECTION THRU EXISTING DECK CONSTRUCTION JOINT



TRANSVERSE JOINT

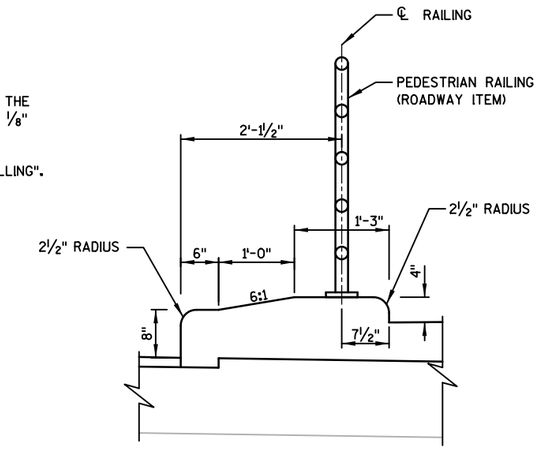


LONGITUDINAL JOINT

PPC OVERLAY JOINTS

DETAIL REQUIRED WHEN OVERLAY IS NOT COMPLETED WITHIN THE WORK PERIOD OR IF STAGED CONSTRUCTION IS USED. OPTIONAL (CONTRACTOR) JOINTS TO BE APPROVED BY THE ENGINEER.

AVOID WHEN POSSIBLE PLACING LONGITUDINAL JOINTS NEAR WHEEL PATHS (PLACE AT PROPOSED LANE LINES OR IN THE MIDDLE OF THE PROPOSED LANE).



ENLARGED SOUTH CURB SECTION

NOTE: MATCH CURB EAST AND WEST OF THE BOX CULVERT.

LEGEND

△ ADHESIVE ANCHOR NO. 4 BAR. EMBED 5".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-147

DRAWN BY DTH | PLANS CK'D. KRB

SUPERSTRUCTURE DETAILS

SHEET 6
520

8

8

FILE NAME : G:\PROJECTS\1000--1099\1020\083\Micros\Plan\080106_sd.dgn

ML Line (STAGE 1A)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
SE QUAD FIRST ST.	---	---	---	0.0	0.0	50	5	0	10	50	0	37
FIRST ST. MEDIAN	---	---	---	0.0	0.0	61	8	0	12	111	0	80
				COLUMN TOTALS		111	13	0	22			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EARTHWORK - STAGE 1A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090101_ew.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

ML Line (STAGE 1B)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
101+03		24.6	1.3	0.0	4.1	0	0	0	0	0	0	0
101+50	47	24.6	1.3	0.0	4.1	43	2	0	7	43	0	34
102+00	50	24.5	1.3	0.0	4.1	45	2	0	8	88	0	69
102+50	50	25.1	1.3	0.0	4.2	47	2	0	8	135	0	106
103+00	50	23.6	1.3	0.0	3.9	44	2	0	7	179	0	140
103+50	50	24.9	1.3	0.0	4.2	46	2	0	8	225	0	176
104+00	50	25.3	1.3	0.0	4.2	47	2	0	8	272	0	213
104+50	50	10.1	1.3	0.0	1.7	19	2	0	3	290	0	226
104+86	36	9.7	1.3	0.0	1.6	13	2	0	2	303	0	235
WESTERN CROSSOVER	---	---	---	0.0	0.0	176	11	0	26	479	0	377
EASTERN CROSSOVERS	---	---	---	0.0	0.0	351	18	0	53	830	0	664
				COLUMN TOTALS		830	47	0	130			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EARTHWORK - STAGE 1B	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090101_ew.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

ML Line (STAGE 2)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
75+48		64.7	18.0	2.3	10.8	0	0	0	0	0	0	0
76+00	52	60.0	18.0	3.1	10.0	116	35	6	19	116	7	54
76+50	50	64.0	18.0	2.3	10.7	119	33	4	20	234	13	115
77+00	50	67.4	18.0	2.3	11.2	125	33	4	21	359	18	180
77+50	50	86.6	27.0	0.0	14.4	160	50	0	27	519	18	264
77+56	6	85.9	27.0	0.0	14.3	19	6	0	3	539	18	274
78+00	44	66.8	20.3	2.3	11.1	109	33	4	18	647	22	327
78+39	39	59.7	19.9	2.3	9.9	86	29	3	14	734	26	366
78+50	11	60.2	19.9	2.3	10.0	25	8	1	4	758	28	377
79+00	50	58.8	19.9	2.3	9.8	109	37	4	18	867	33	426
79+11	11	58.2	19.9	2.4	9.7	24	8	1	4	891	34	436
79+50	39	58.4	19.9	2.4	9.7	84	29	3	14	975	38	473
79+71	21	57.0	19.9	2.4	9.5	44	15	2	7	1,019	41	493
80+00	29	56.1	19.9	2.5	9.4	60	21	3	10	1,080	44	518
80+50	50	57.4	19.9	2.5	9.6	106	37	5	18	1,186	50	564
80+67	17	58.0	19.9	2.6	9.7	37	13	2	6	1,223	52	580
81+00	33	57.6	19.9	2.4	9.6	70	24	3	12	1,293	56	611
81+50	50	55.6	18.2	2.4	9.3	103	34	4	17	1,396	61	657
82+00	50	55.8	18.2	2.4	9.3	103	34	5	17	1,499	67	704
82+50	50	58.7	18.2	2.3	9.8	109	34	4	18	1,608	72	756
82+82	32	58.1	18.2	2.3	9.7	69	22	3	11	1,677	75	788
83+00	18	58.0	18.2	2.3	9.7	39	12	2	6	1,716	77	807
83+50	50	58.6	18.2	2.3	9.8	109	34	4	18	1,824	82	858
83+93	43	47.3	18.2	3.5	7.9	75	29	5	13	1,899	89	885
84+00	7	45.3	18.2	3.0	7.6	12	5	1	2	1,911	90	889
84+11	11	43.3	18.2	3.8	7.2	18	7	2	3	1,929	92	895
84+50	39	30.6	18.2	4.5	5.1	44	26	7	7	1,973	100	897
85+00	50	19.8	18.2	5.7	3.3	37	34	10	6	2,010	113	881
85+50	50	21.7	18.2	5.2	3.6	40	34	10	7	2,050	125	869
85+92	42	32.3	18.2	4.4	5.4	50	28	7	8	2,100	134	873
86+00	8	34.2	18.2	4.0	5.7	10	5	1	2	2,110	135	875
86+50	50	40.5	19.1	3.9	6.7	75	35	7	12	2,185	145	893
86+64	14	43.5	19.1	4.4	7.3	23	10	2	4	2,208	147	899
87+00	36	47.9	19.0	3.5	8.0	64	25	5	11	2,272	153	921
87+50	50	54.6	16.9	2.7	9.1	101	31	5	17	2,373	160	968
88+00	50	45.9	18.8	0.0	7.7	85	35	0	14	2,458	160	1,004
88+16	16	44.9	18.8	0.0	7.5	27	11	0	4	2,484	160	1,015
88+50	34	47.5	18.8	0.0	7.9	60	24	0	10	2,544	160	1,041
88+75	25	47.6	18.8	0.0	7.9	44	17	0	7	2,588	160	1,061
88+77	3	47.8	18.8	0.0	8.0	5	2	0	1	2,593	160	1,063

CON'T PREVIOUS SHEET

ML Line (STAGE 2)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
89+00	23	46.3	18.8	0.0	7.7	39	16	0	6	2,632	160	1,079
89+50	50	46.9	18.5	0.0	7.8	87	34	0	14	2,719	160	1,117
90+00	50	60.0	19.5	2.3	10.0	111	36	4	19	2,830	165	1,169
90+50	50	54.3	21.5	2.3	9.1	101	40	4	17	2,930	170	1,207
91+00	50	61.3	22.1	4.6	10.2	114	41	9	19	3,044	181	1,250
91+50	50	74.2	26.9	4.5	12.4	137	50	8	23	3,181	191	1,305
92+00	50	77.7	27.8	4.5	13.0	144	51	8	24	3,325	202	1,363
92+50	50	80.0	26.8	4.6	13.3	148	50	9	25	3,473	212	1,426
93+00	50	64.2	22.1	4.5	10.7	119	41	8	20	3,592	223	1,474
93+50	50	64.2	20.0	6.8	10.7	119	37	13	20	3,711	238	1,520
94+00	50	69.3	20.2	7.5	11.6	128	37	14	21	3,840	256	1,572
94+50	50	59.9	20.3	0.0	10.0	111	38	0	18	3,951	256	1,627
95+00	50	55.5	26.4	0.0	9.3	103	49	0	17	4,053	256	1,664
95+50	50	47.9	26.4	2.3	8.0	89	49	4	15	4,142	261	1,684
FORDEM AVE.	---	0.0	---	0.0	0.0	646	118	0	97	4,788	261	2,127
96+00	50	51.4	23.3	4.5	8.6	95	43	8	16	4,883	271	2,153
96+50	50	86.5	23.3	9.3	14.4	160	43	17	27	5,043	293	2,222
97+00	50	89.6	23.6	7.1	14.9	166	44	13	28	5,209	310	2,300
97+50	50	84.4	27.4	5.1	14.1	156	51	9	26	5,366	321	2,368
98+00	50	136.1	25.2	0.0	22.7	252	47	0	42	5,618	321	2,531
98+50	50	88.5	27.6	4.5	14.8	164	51	8	27	5,782	332	2,606
98+78	28	87.4	27.6	4.5	14.6	91	29	5	15	5,872	338	2,647
99+00	22	84.4	28.1	4.5	14.1	69	23	4	11	5,941	342	2,677
99+50	50	123.5	30.2	2.3	20.6	229	56	4	38	6,170	347	2,807
100+00	50	165.0	40.4	2.3	27.5	306	75	4	51	6,475	353	2,981
100+25	25	175.2	41.3	2.3	29.2	162	38	2	27	6,637	355	3,076
100+50	25	184.0	42.0	2.3	30.7	170	39	2	28	6,808	358	3,176
101+03	53	39.9	12.0	6.5	6.6	78	24	13	13	6,886	374	3,202
				COLUMN TOTALS		6,886	2,185	299	1,137			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5992-09-14 | HWY: E. JOHNSON STREET | COUNTY: DANE | EARTHWORK - STAGE 2 | SHEET | E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090101_ew.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

FILINE (STAGE 2)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
10+73		135.1	0.0	0.0	22.5	0	0	0	0	0	0	0
11+00	27	135.1	0.0	0.0	22.5	135	0	0	23	135	0	113
11+12	12	180.2	0.0	0.0	30.0	70	0	0	12	205	0	171
11+27	15	202.5	0.0	0.0	33.8	106	0	0	18	311	0	259
11+50	23	217.5	0.0	0.0	36.2	179	0	0	30	490	0	409
12+00	50	153.4	2.2	0.0	25.6	343	2	0	57	834	0	693
12+50	50	121.3	4.6	0.0	20.2	254	6	0	42	1,088	0	899
12+78	28	123.9	4.8	0.0	20.6	127	5	0	21	1,215	0	1,000
13+00	22	103.0	4.8	0.0	17.2	92	4	0	15	1,308	0	1,073
13+50	50	92.9	4.8	0.0	15.5	181	9	0	30	1,489	0	1,215
13+65	15	95.7	4.8	0.0	16.0	52	3	0	9	1,541	0	1,256
13+83	18	116.9	4.8	0.0	19.5	71	3	0	12	1,612	0	1,312
14+00	17	101.1	5.0	0.0	16.9	69	3	0	11	1,681	0	1,366
14+37	37	103.3	7.8	0.0	17.2	140	9	0	23	1,821	0	1,474
14+50	13	81.2	9.5	0.0	13.5	44	4	0	7	1,865	0	1,507
15+00	50	80.6	15.0	0.0	13.4	150	23	0	25	2,015	0	1,609
15+50	50	62.4	20.3	0.0	10.4	132	33	0	22	2,148	0	1,686
16+00	50	55.6	23.3	0.2	9.3	123	36	0	20	2,270	0	1,752
16+07	7	55.6	23.3	0.2	9.3	15	6	0	2	2,285	0	1,759
				COLUMN TOTALS		2,285	145	0	381			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

ML Line (STAGE 3)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
77+45		69.7	18.3	2.3	11.6	0	0	0	0	0	0	0
77+56	11	70.9	18.3	2.3	11.8	29	7	1	5	29	1	15
78+00	44	62.5	20.5	4.8	10.4	102	33	8	17	131	11	57
78+39	39	61.7	20.0	4.5	10.3	89	29	7	15	220	19	95
78+50	11	51.4	19.9	7.0	8.6	21	8	3	3	241	23	100
79+00	50	41.0	19.9	7.7	6.8	76	37	14	13	317	40	109
79+11	11	44.6	19.9	4.5	7.4	18	8	2	3	335	43	114
79+50	39	41.6	19.9	4.5	6.9	60	29	7	10	395	51	127
79+71	21	42.5	19.9	4.5	7.1	33	15	4	6	428	55	135
80+00	29	39.2	19.9	7.7	6.5	42	21	8	7	470	65	138
80+50	50	36.1	19.9	7.7	6.0	67	37	14	11	537	83	139
80+67	17	41.9	19.9	4.5	7.0	26	13	3	4	563	87	145
81+00	33	38.2	19.9	7.3	6.4	47	24	9	8	610	98	149
81+50	50	35.4	19.9	0.0	5.9	66	37	0	11	676	98	167
DICKINSON ST.	---	0.0	---	0.0	0.0	163	36	0	24	839	98	273
82+00	50	44.6	18.0	3.9	7.4	83	33	7	14	921	107	300
82+50	50	51.6	18.0	3.2	8.6	96	33	6	16	1,017	114	339
82+82	32	61.8	18.0	2.3	10.3	73	21	3	12	1,090	117	375
83+00	18	58.8	18.0	2.3	9.8	39	12	2	7	1,129	119	394
83+50	50	59.5	18.0	2.3	9.9	110	33	4	18	1,240	124	447
83+93	43	48.9	18.0	2.3	8.2	78	29	4	13	1,318	129	479
84+00	7	41.9	18.0	5.7	7.0	11	5	1	2	1,328	131	481
84+11	11	43.5	18.0	2.3	7.2	18	7	1	3	1,346	132	488
84+50	39	29.1	18.0	5.4	4.8	42	26	8	7	1,388	142	487
85+00	50	21.3	18.0	8.1	3.5	39	33	15	7	1,427	160	468
85+50	50	22.1	18.0	6.4	3.7	41	33	12	7	1,468	175	454
85+92	42	33.0	18.0	2.3	5.5	51	28	4	9	1,520	179	464
86+00	8	33.0	18.0	7.0	5.5	10	5	2	2	1,529	182	464
86+50	50	47.7	19.3	5.3	8.0	88	36	10	15	1,618	194	490
86+64	14	58.0	21.8	2.3	9.7	30	11	1	5	1,648	196	502
87+00	36	60.4	21.8	3.0	10.1	81	29	4	13	1,728	201	536
87+50	50	58.1	21.8	2.3	9.7	108	40	4	18	1,836	206	580
88+00	50	54.5	20.3	0.2	9.1	101	38	0	17	1,937	206	626
88+16	16	50.1	20.3	0.2	8.4	30	12	0	5	1,967	206	638
88+50	34	56.0	20.3	0.0	9.3	71	26	0	12	2,037	206	672
88+75	25	59.7	20.3	0.0	9.9	55	19	0	9	2,092	206	699
88+77	3	59.8	20.3	0.0	10.0	6	2	0	1	2,098	206	702
89+00	23	58.3	20.3	0.0	9.7	49	17	0	8	2,146	206	725
89+50	50	60.6	20.3	0.0	10.1	112	38	0	19	2,259	206	781
90+00	50	71.5	21.0	3.4	11.9	132	39	6	22	2,391	214	845

9

9

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090101_ew.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

CON'T PREVIOUS SHEET

ML Line (STAGE 3)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
90+50	50	67.4	21.0	5.7	11.2	125	39	10	21	2,516	227	897
91+00	50	85.9	20.5	9.1	14.3	159	38	17	27	2,675	248	970
91+50	50	107.7	20.3	5.2	17.9	199	38	10	33	2,874	260	1,087
92+00	50	126.8	20.3	5.5	21.1	235	38	10	39	3,109	273	1,233
92+50	50	156.9	21.5	4.5	26.2	291	40	8	48	3,400	284	1,424
93+00	50	170.6	25.5	4.6	28.4	316	47	9	53	3,716	294	1,630
93+50	50	161.0	27.4	4.5	26.8	298	51	8	50	4,014	305	1,817
94+00	50	131.4	27.3	4.5	21.9	243	51	8	41	4,257	315	1,959
94+50	50	129.1	27.8	4.5	21.5	239	51	8	40	4,496	325	2,097
95+00	50	94.2	28.5	4.5	15.7	174	53	8	29	4,671	336	2,179
95+50	50	80.2	23.3	34.9	13.4	149	43	65	25	4,819	417	2,179
96+00	50	70.8	22.1	20.6	11.8	131	41	38	22	4,950	464	2,199
96+50	50	82.7	25.8	7.5	13.8	153	48	14	26	5,103	482	2,262
97+00	50	87.7	30.3	18.6	14.6	162	56	35	27	5,266	525	2,298
97+50	50	115.8	41.1	13.1	19.3	214	76	24	36	5,480	555	2,370
98+00	50	155.7	37.5	2.5	25.9	288	69	5	48	5,769	561	2,535
98+50	50	163.7	31.1	7.5	27.3	303	58	14	51	6,072	578	2,713
98+78	28	181.4	29.5	11.8	30.2	188	31	12	31	6,260	594	2,823
99+00	22	180.2	29.0	10.1	30.0	147	24	8	24	6,407	604	2,912
99+50	50	182.8	29.0	5.7	30.5	338	54	10	56	6,745	617	3,127
100+00	50	181.7	41.3	0.0	30.3	336	76	0	56	7,082	617	3,331
100+25	25	182.8	39.0	0.0	30.5	169	36	0	28	7,251	617	3,436
100+50	25	189.5	39.0	0.0	31.6	175	36	0	29	7,426	617	3,546
101+00	50	8.6	7.1	0.0	1.4	16	13	0	3	7,442	617	3,546
101+50	50	1.8	3.5	0.0	0.3	3	6	0	1	7,445	617	3,543
				COLUMN TOTALS		7,445	2,051	494	1,238			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

FILINE (STAGE 3)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
10+73		102.6	42.0	0.0	17.1	0	0	0	0	0	0	0
11+00	27	102.6	42.0	0.0	17.1	103	42	0	17	103	0	43
11+12	12	108.9	42.0	0.0	18.2	47	19	0	8	149	0	64
11+27	15	25.8	42.0	0.0	4.3	37	23	0	6	187	0	72
11+50	23	23.1	18.3	0.0	3.9	21	26	0	3	208	0	63
12+00	50	20.0	18.3	0.0	3.3	40	34	0	7	247	0	63
12+50	50	19.8	18.3	0.0	3.3	37	34	0	6	284	0	59
12+78	28	19.2	18.3	0.0	3.2	20	19	0	3	305	0	57
13+00	22	19.1	18.3	0.0	3.2	16	15	0	3	320	0	55
13+50	50	19.6	18.3	0.0	3.3	36	34	0	6	356	0	51
13+65	15	20.3	18.3	0.0	3.4	11	10	0	2	367	0	50
13+83	18	20.5	18.3	0.0	3.4	14	12	0	2	381	0	49
14+00	17	21.5	18.3	0.0	3.6	13	12	0	2	394	0	49
14+37	37	21.2	16.2	0.0	3.5	29	24	0	5	423	0	50
14+50	13	21.8	16.2	0.0	3.6	10	8	0	2	434	0	51
15+00	50	24.3	14.5	0.0	4.1	43	28	0	7	476	0	58
15+50	50	12.3	12.8	5.4	2.1	34	25	5	6	510	6	54
16+00	50	7.4	1.7	0.0	1.2	18	13	5	3	528	13	50
16+07	7	7.4	1.7	0.0	1.2	2	0	0	0	530	13	55
				COLUMN TOTALS		530	378	10	88			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5992-09-14 | HWY: E. JOHNSON STREET | COUNTY: DANE | EARTHWORK - STAGE 3 | SHEET 528 | E

ML Line (STAGE 4)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
77+50		29.1	0.0	0.0	4.9	0	0	0	0	0	0	0
77+56	6	29.1	0.0	0.0	4.9	6	0	0	1	6	0	5
78+00	44	23.4	0.0	0.1	3.9	38	0	0	6	45	0	37
78+39	39	16.1	0.0	0.6	2.7	23	0	1	4	68	1	55
78+50	11	21.9	0.0	0.0	3.7	9	0	0	1	77	1	63
79+00	50	19.3	0.0	0.0	3.2	36	0	0	6	113	1	93
79+11	11	16.4	0.0	0.2	2.7	7	0	0	1	119	1	98
79+50	39	15.3	0.0	0.1	2.6	22	0	0	4	141	2	116
79+71	21	13.9	0.0	2.6	2.3	11	0	2	2	152	4	123
80+00	29	16.1	0.0	0.1	2.7	17	0	0	3	169	4	137
80+50	50	22.8	0.0	0.0	3.8	42	0	0	7	212	4	172
80+67	17	21.1	0.0	0.0	3.5	13	0	0	2	225	4	183
81+00	33	21.8	0.0	0.0	3.6	27	0	0	4	252	4	206
81+50	50	19.5	0.0	0.0	3.2	36	0	0	6	288	4	236
82+00	50	19.9	0.0	0.0	3.3	37	0	0	6	325	4	266
82+50	50	20.3	0.0	0.0	3.4	38	0	0	6	362	4	298
82+82	32	19.6	0.0	0.0	3.3	23	0	0	4	385	4	317
83+00	18	19.9	0.0	0.0	3.3	13	0	0	2	399	4	328
83+50	50	20.3	0.0	0.0	3.4	38	0	0	6	436	4	359
83+93	43	16.6	0.0	0.0	2.8	26	0	0	4	463	4	381
84+00	7	16.0	0.0	0.0	2.7	4	0	0	1	467	4	385
84+11	11	14.7	0.0	0.0	2.5	6	0	0	1	473	4	390
84+50	39	10.7	0.0	4.5	1.8	15	0	6	3	488	12	395
85+00	50	8.0	0.0	4.5	1.3	15	0	8	2	503	23	397
85+50	50	8.8	0.0	4.5	1.5	16	0	8	3	519	33	400
85+92	42	11.2	0.0	0.0	1.9	17	0	0	3	537	33	415
86+00	8	12.0	0.0	0.0	2.0	4	0	0	1	540	33	417
86+50	50	15.9	0.0	0.0	2.7	30	0	0	5	570	33	442
86+64	14	17.0	0.0	0.0	2.8	9	0	0	1	579	33	449
87+00	36	18.3	0.0	4.5	3.1	24	0	6	4	603	40	462
87+50	50	9.6	0.0	0.0	1.6	18	0	0	3	621	40	477
88+00	50	2.1	0.0	0.0	0.4	4	0	0	1	625	40	480
88+16	16	2.1	0.0	0.0	0.3	1	0	0	0	626	40	482
88+50	34	2.3	0.0	0.0	0.4	3	0	0	0	629	40	484
88+75	25	2.3	0.0	0.0	0.4	2	0	0	0	631	40	486
88+77	3	2.3	0.0	0.0	0.4	0	0	0	0	631	40	486
89+00	23	2.3	0.0	0.0	0.4	2	0	0	0	633	40	487
89+50	50	2.4	0.0	0.0	0.4	4	0	0	1	638	40	491
90+00	50	4.2	0.0	0.0	0.7	8	0	0	1	645	40	498
90+50	50	11.1	0.0	0.0	1.9	21	0	0	3	666	40	515

CON'T PREVIOUS SHEET

ML Line (STAGE 4)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
101+00		19.8	0.0	0.0	3.3	0	0	0	0	666	40	515
101+50	50	20.0	0.0	0.9	3.3	37	0	2	6	703	42	543
102+00	50	10.8	0.0	0.3	1.8	20	0	1	3	723	43	560
102+50	50	11.1	0.0	0.4	1.9	21	0	1	3	744	44	576
103+00	50	10.0	0.0	0.9	1.7	19	0	2	3	762	46	589
103+50	50	10.5	0.0	0.6	1.7	19	0	1	3	782	47	604
104+00	50	10.3	0.0	0.7	1.7	19	0	1	3	801	49	618
104+50	50	9.1	0.0	3.5	1.5	17	0	6	3	818	57	624
				COLUMN TOTALS		818	0	46	136			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

FILINE (STAGE 4)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
10+83		20.1	5.0	0.0	3.4	0	0	0	0	0	0	0
11+12	29	20.1	5.0	0.0	3.4	22	5	0	4	22	0	13
11+27	15	14.6	5.0	0.0	2.4	10	3	0	2	31	0	18
11+50	23	9.2	5.0	0.0	1.5	10	4	0	2	41	0	22
12+00	50	2.5	5.0	0.0	0.4	11	9	0	2	52	0	22
12+50	50	0.2	5.0	0.0	0.0	3	9	0	0	55	0	15
				COLUMN TOTALS		55	31	0	9			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EARTHWORK - STAGE 4	SHEET 530	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090101_ew.dgn PLOT DATE : 10/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

YP LINE (STAGE 4B)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
10+34		12.9	0.0	0.0	2.1	0	0	0	0	0	0	0
10+50	16	7.5	0.0	0.0	1.3	6	0	0	1	6	0	5
10+75	25	0.0	0.0	3.5	0.0	3	0	2	1	10	2	6
10+86	11	0.0	0.0	5.6	0.0	0	0	2	0	10	4	4
11+00	14	0.0	0.0	3.1	0.0	0	0	2	0	10	7	1
11+19	19	8.5	0.0	0.3	1.4	3	0	1	1	13	9	2
11+25	6	10.8	0.0	0.1	1.8	2	0	0	0	15	9	3
THORNTON AVE.	---	0.0	---	0.0	0.0	171	0	0	26	186	0	152
11+50	25	15.7	0.0	0.0	2.6	8	0	0	1	194	9	162
11+74	24	14.4	0.0	0.0	2.4	13	0	0	2	207	9	173
				COLUMN TOTALS		207	0	7	32			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

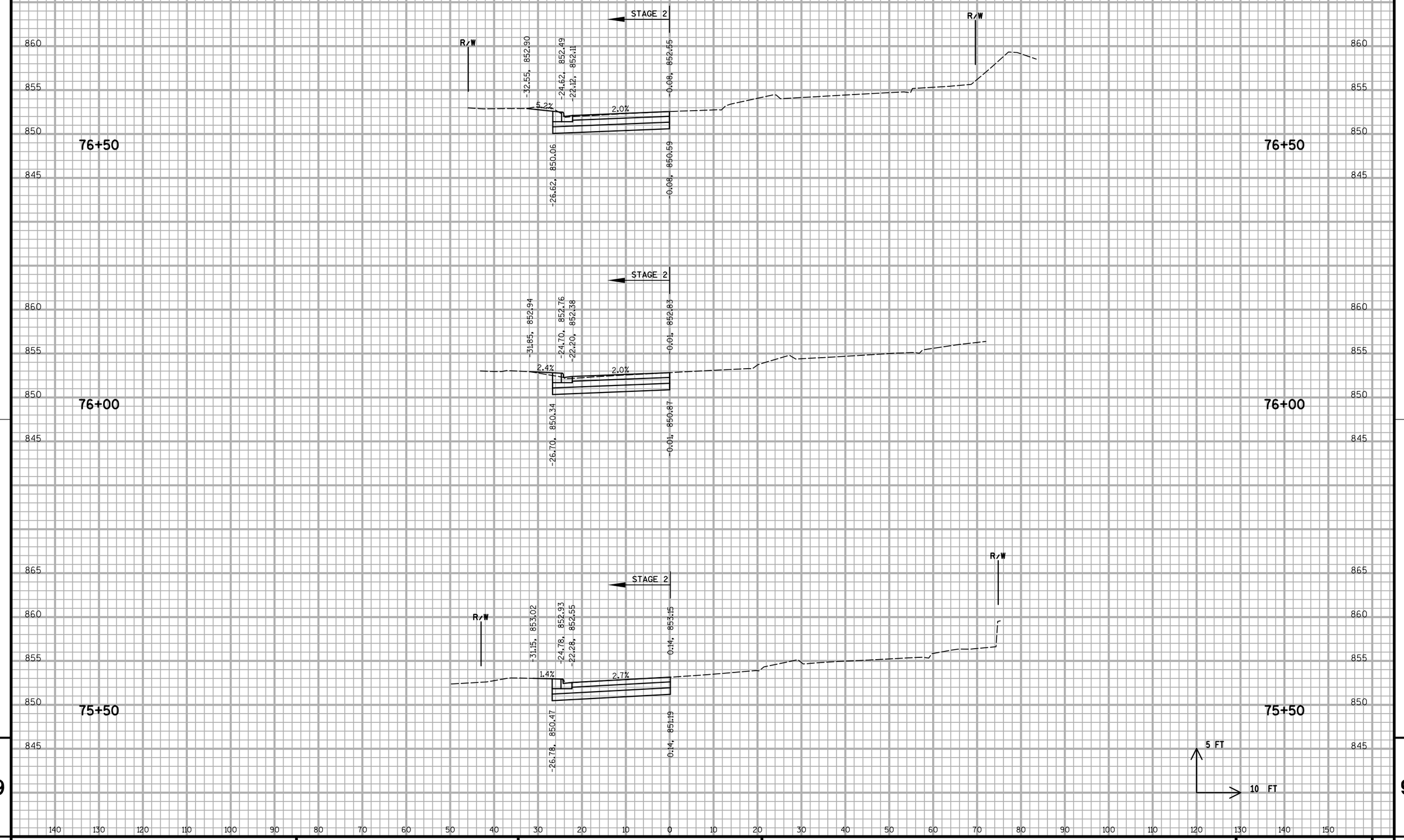
PL LINE (STAGE 4B)		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
10+58		0.6	0.0	0.0	0.1	0	0	0	0	0	0	0
10+75	17	0.0	0.0	4.4	0.0	0	0	1	0	0	2	-2
10+88	13	4.5	0.0	21.6	0.7	1	0	6	0	1	10	-9
11+00	12	1.2	0.0	33.7	0.2	1	0	12	0	3	25	-23
11+20	20	0.4	0.0	62.0	0.1	1	0	35	0	3	68	-66
11+25	5	0.4	0.0	69.5	0.1	0	0	13	0	3	85	-82
11+44	19	0.5	0.0	77.5	0.1	0	0	51	0	3	149	-146
11+50	6	2.3	0.0	68.7	0.4	0	0	17	0	4	170	-166
11+75	25	6.9	0.0	0.1	1.2	4	0	32	1	8	209	-203
11+80	5	10.8	0.0	0.0	1.8	2	0	0	0	10	209	-201
				COLUMN TOTALS		10	0	167	2			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 20% OF CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

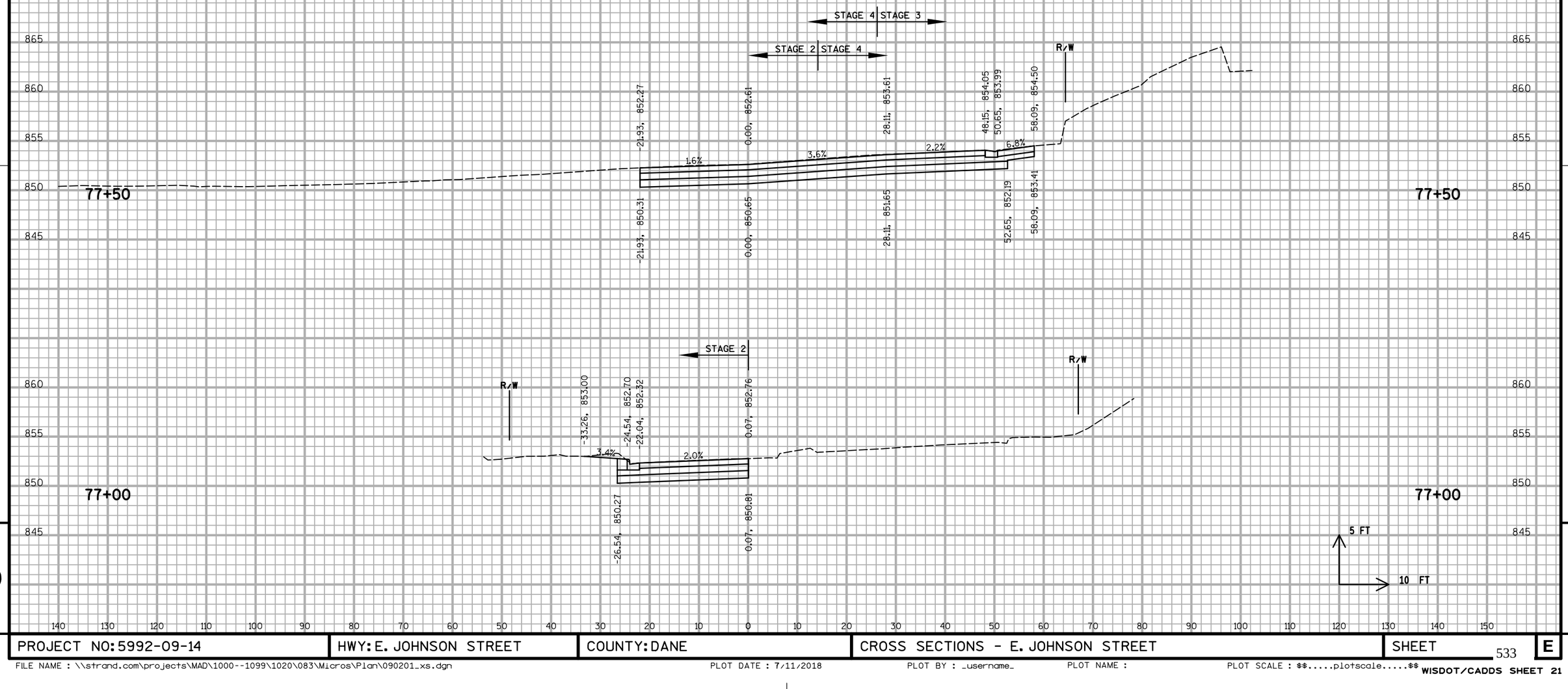


9

9

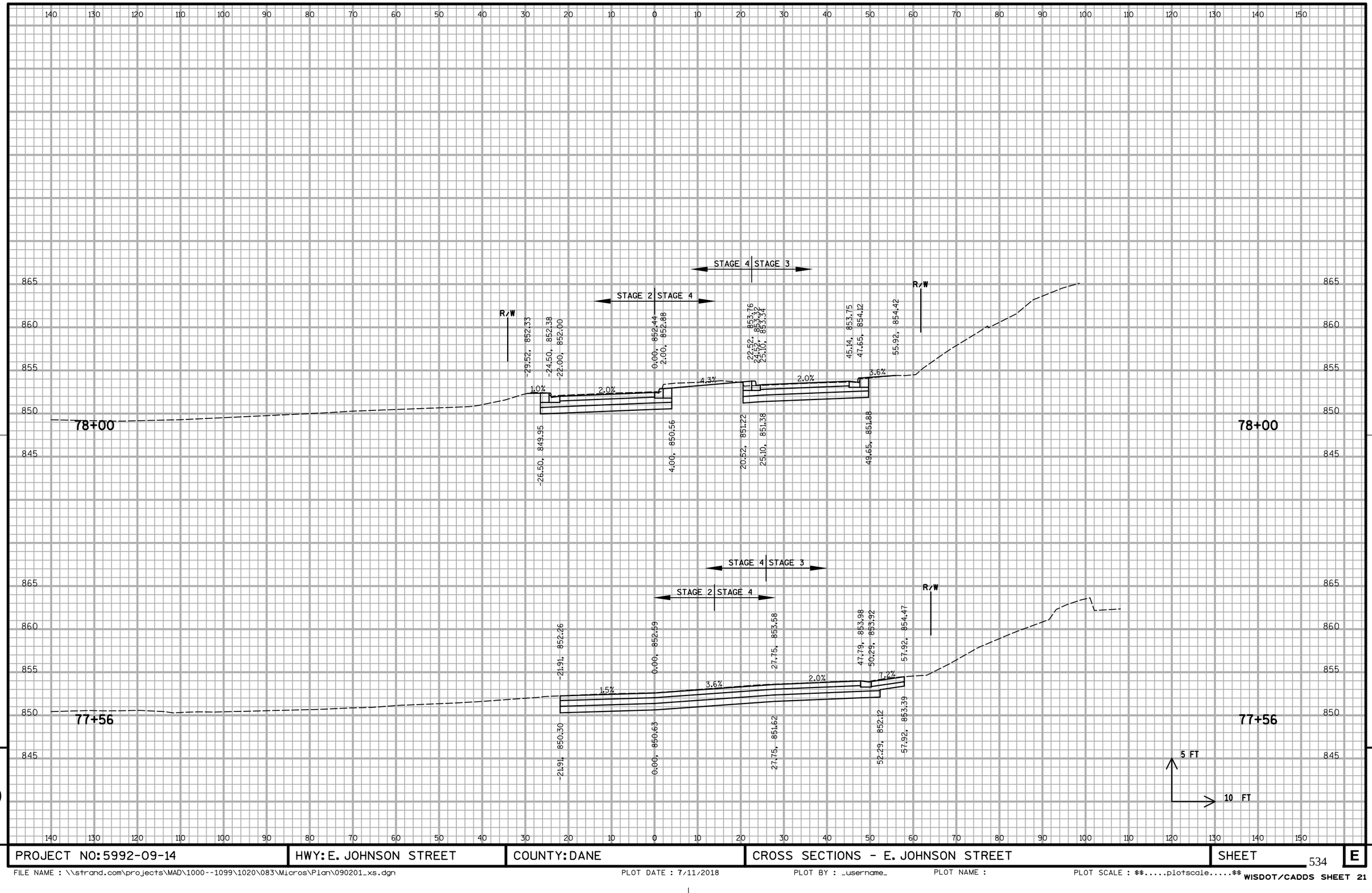
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



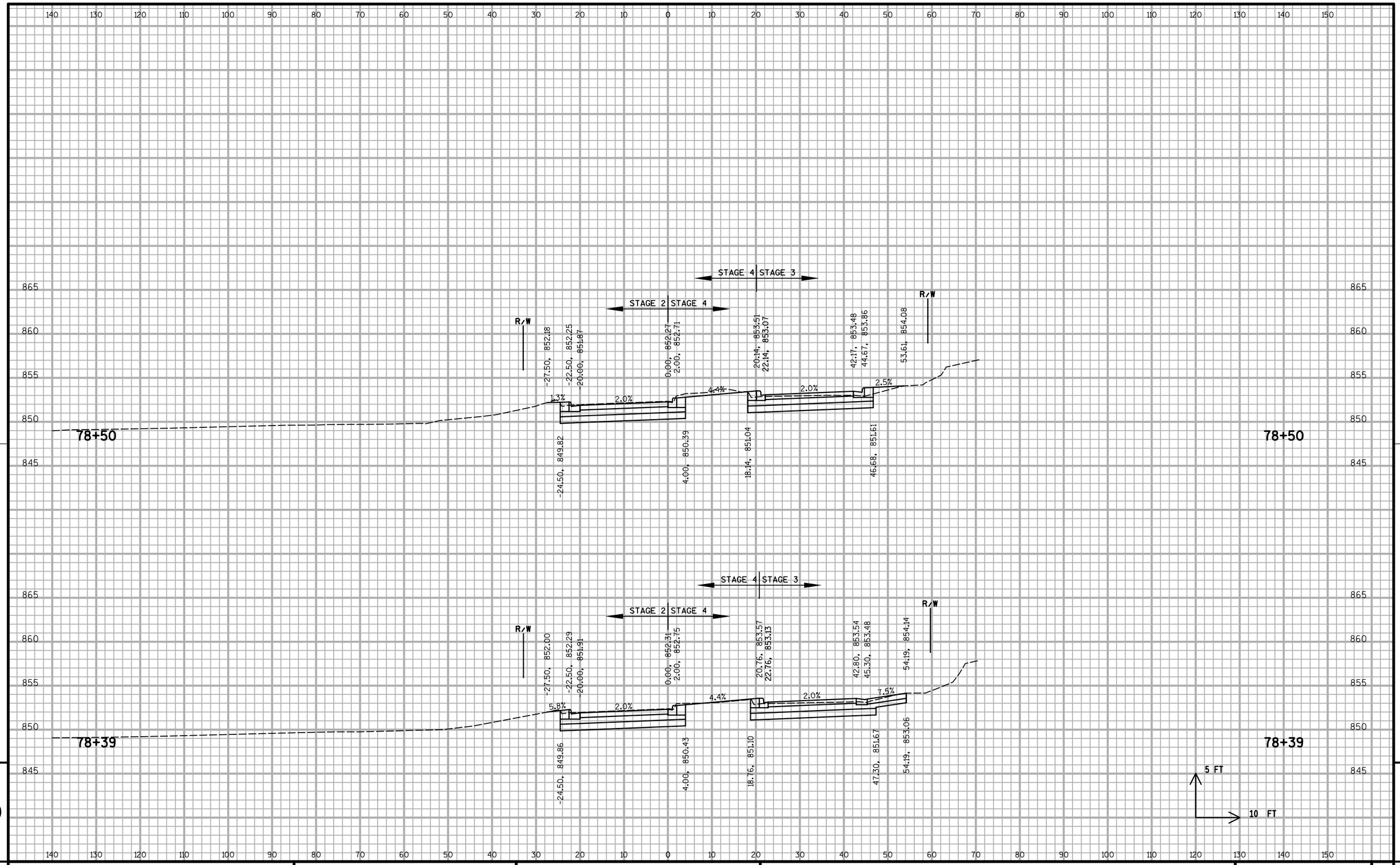
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 534	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

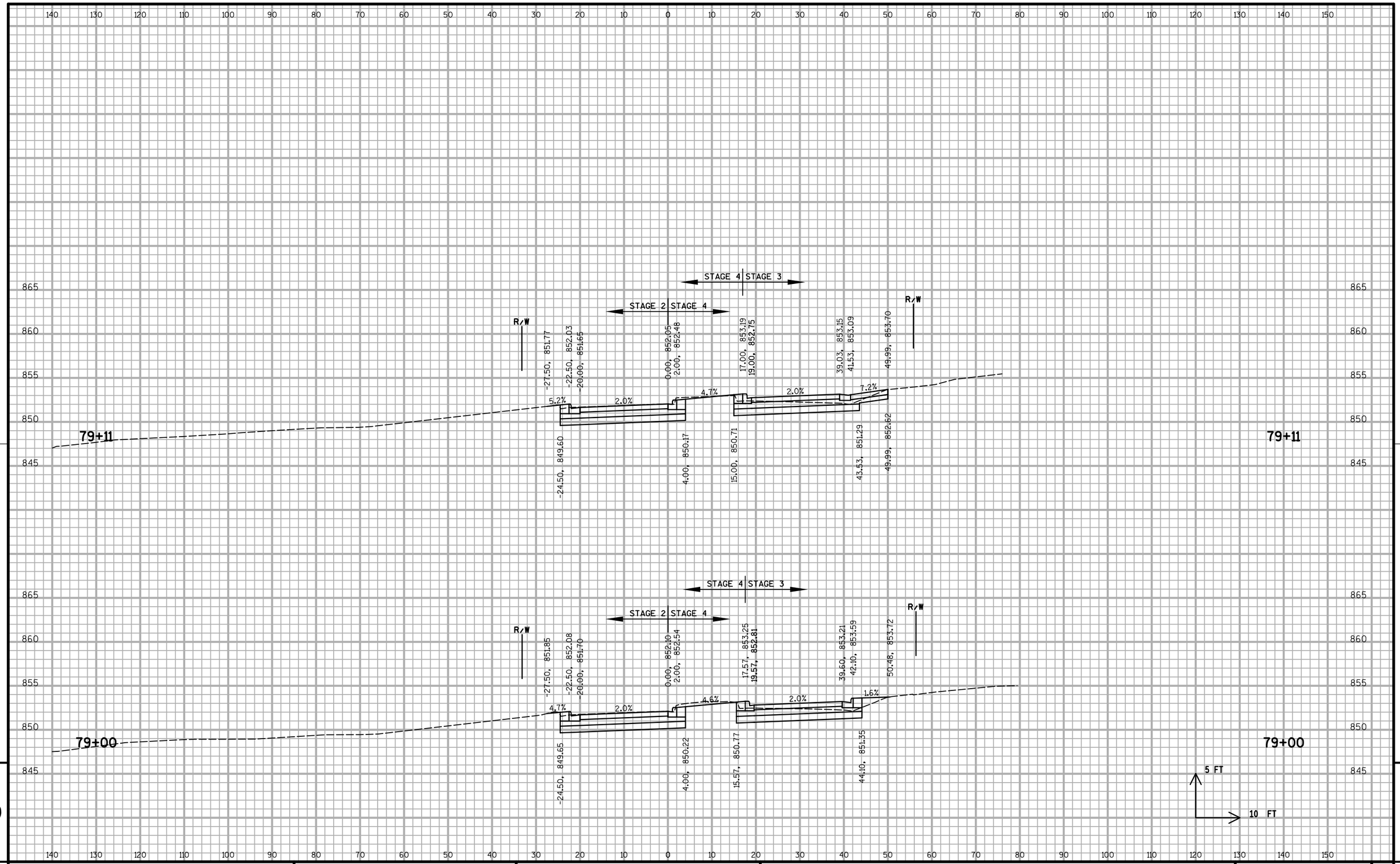


9

9

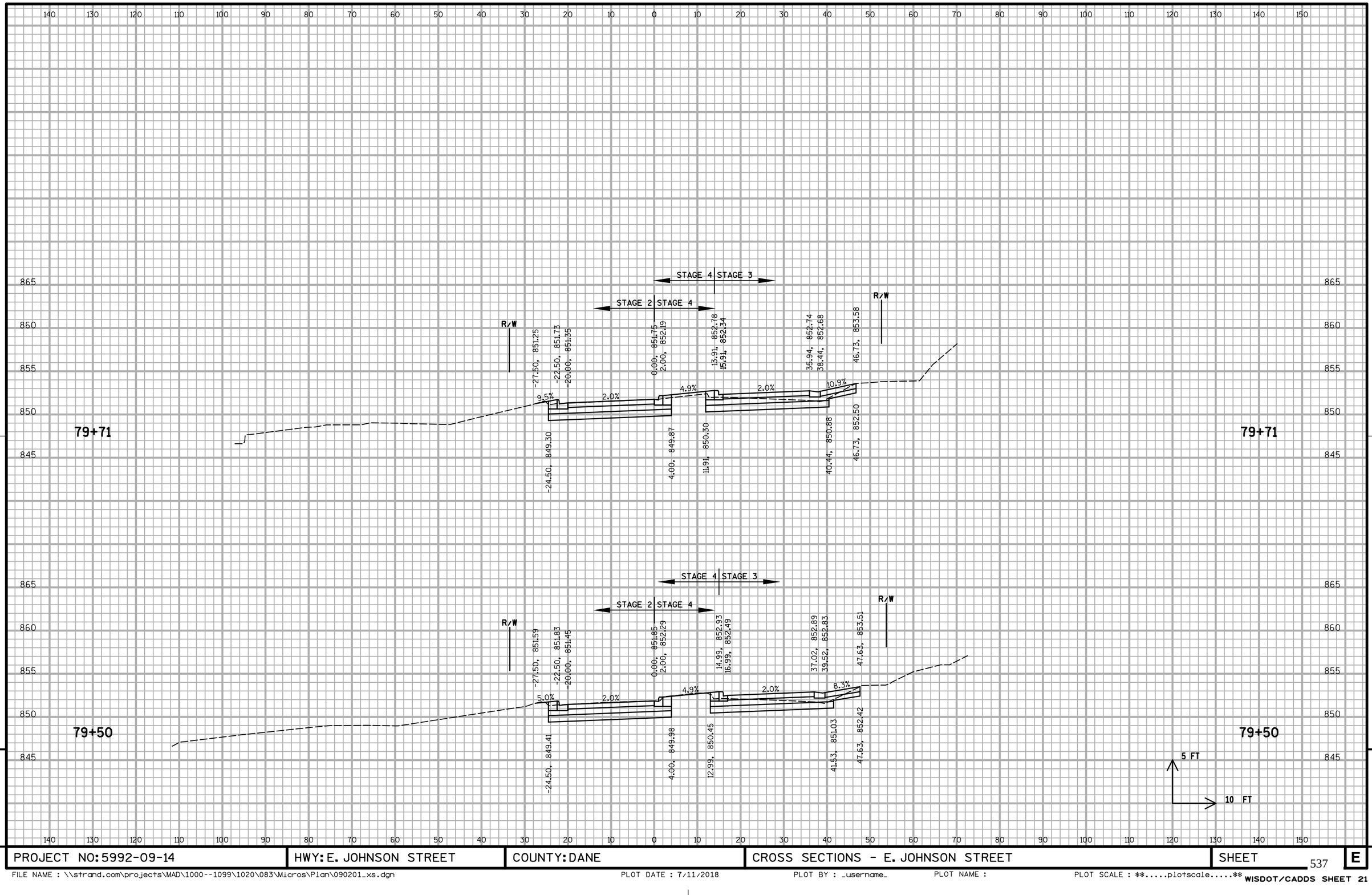
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 535	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



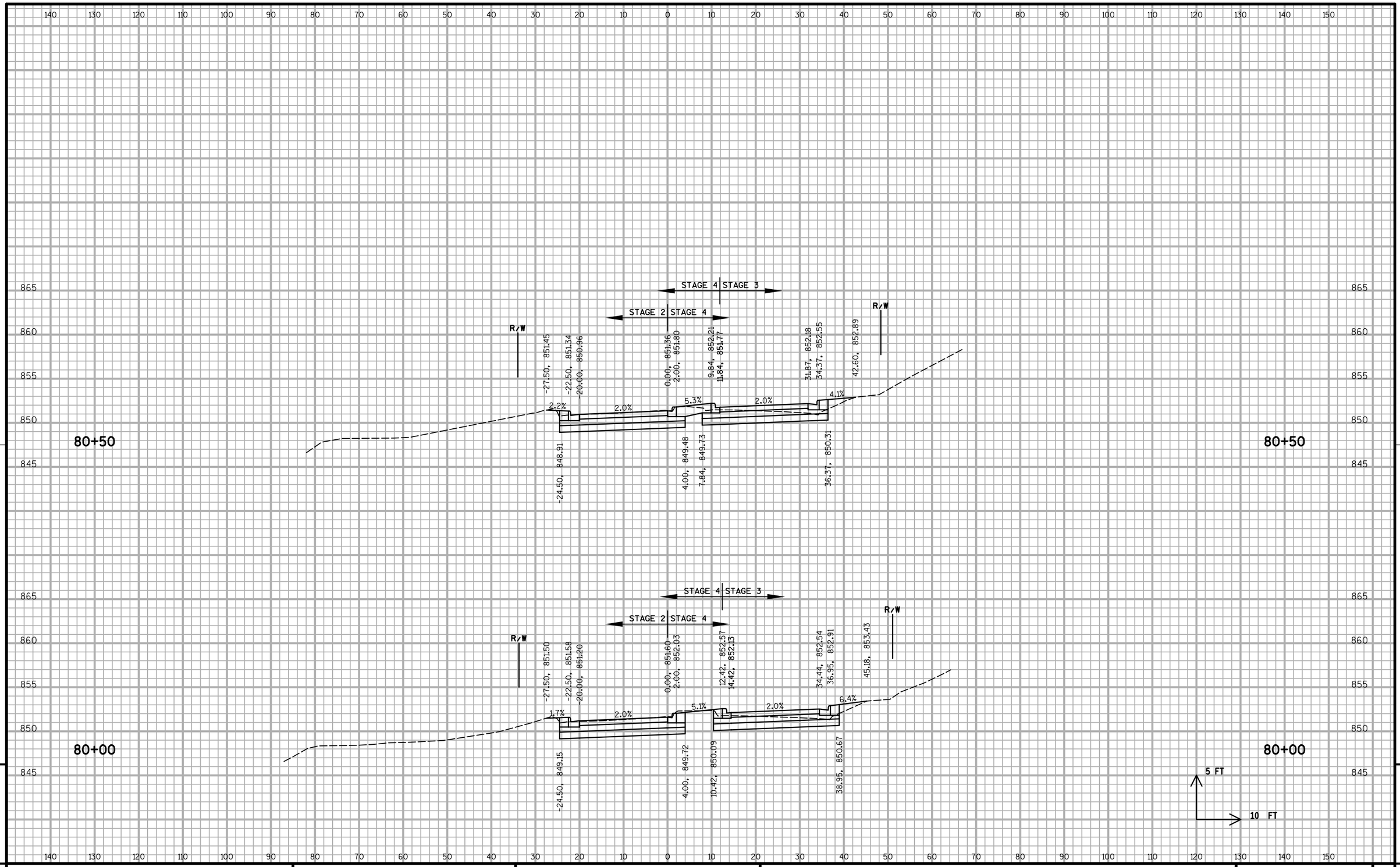
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



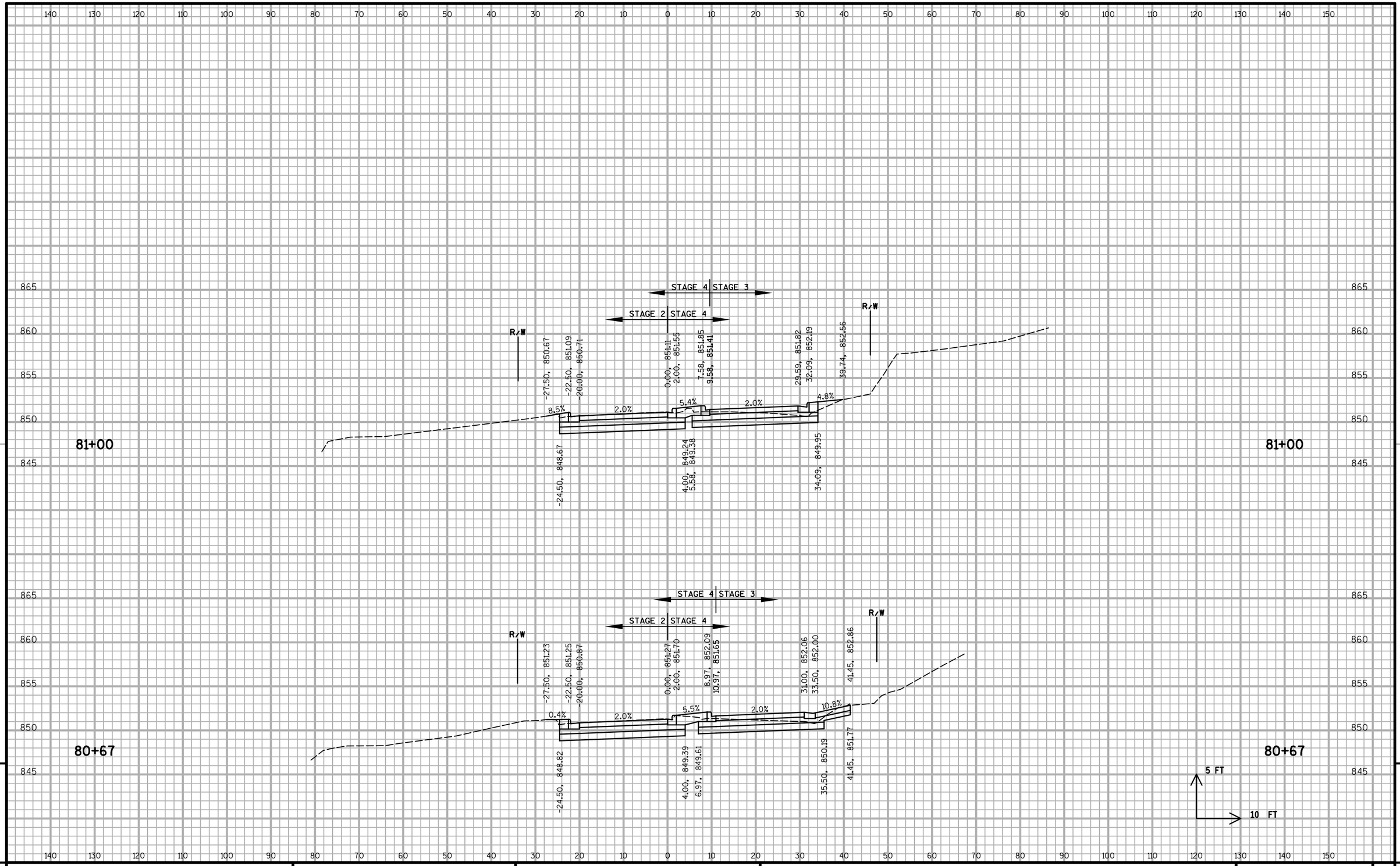
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 537	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

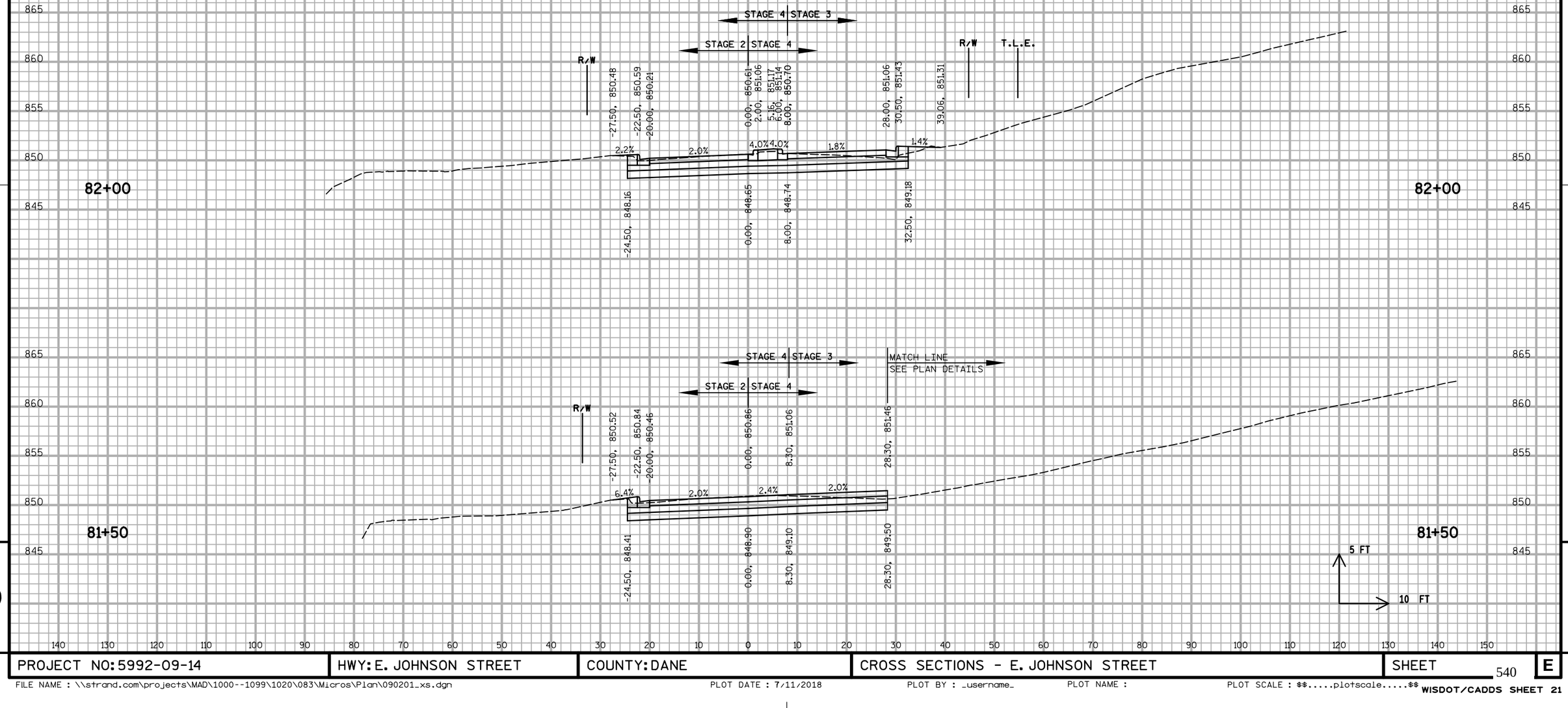


9

9

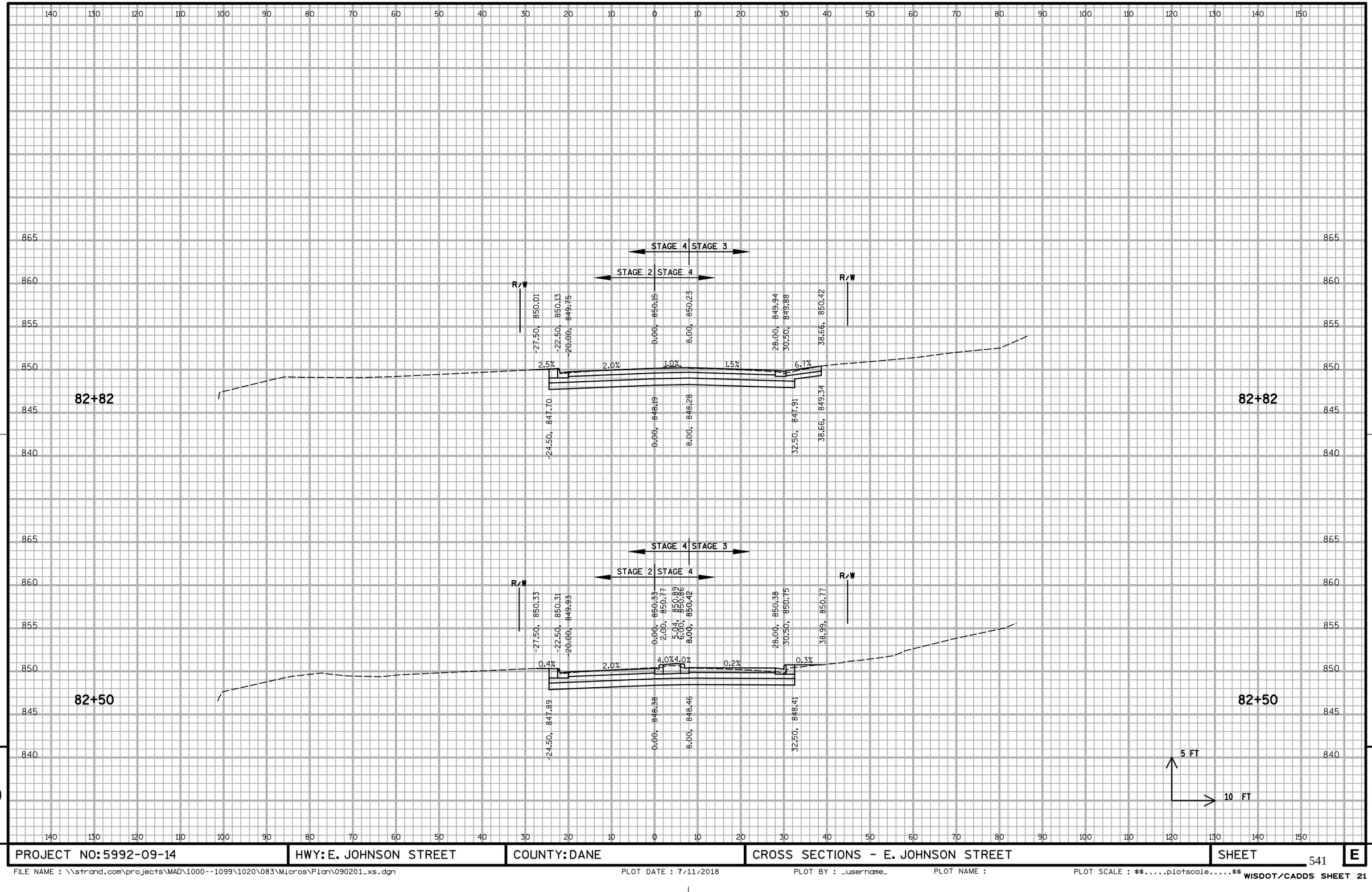
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 540 E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



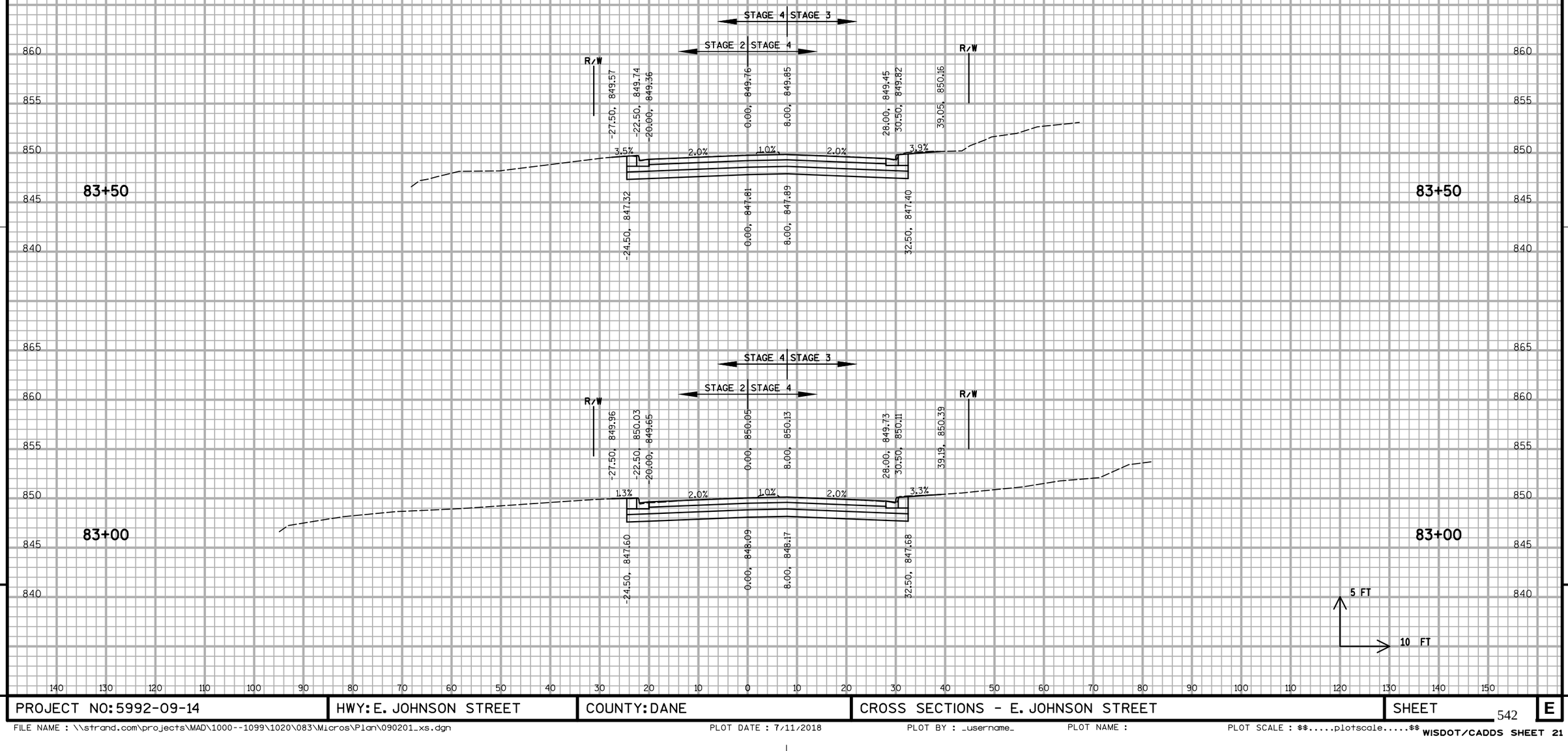
9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 541	E

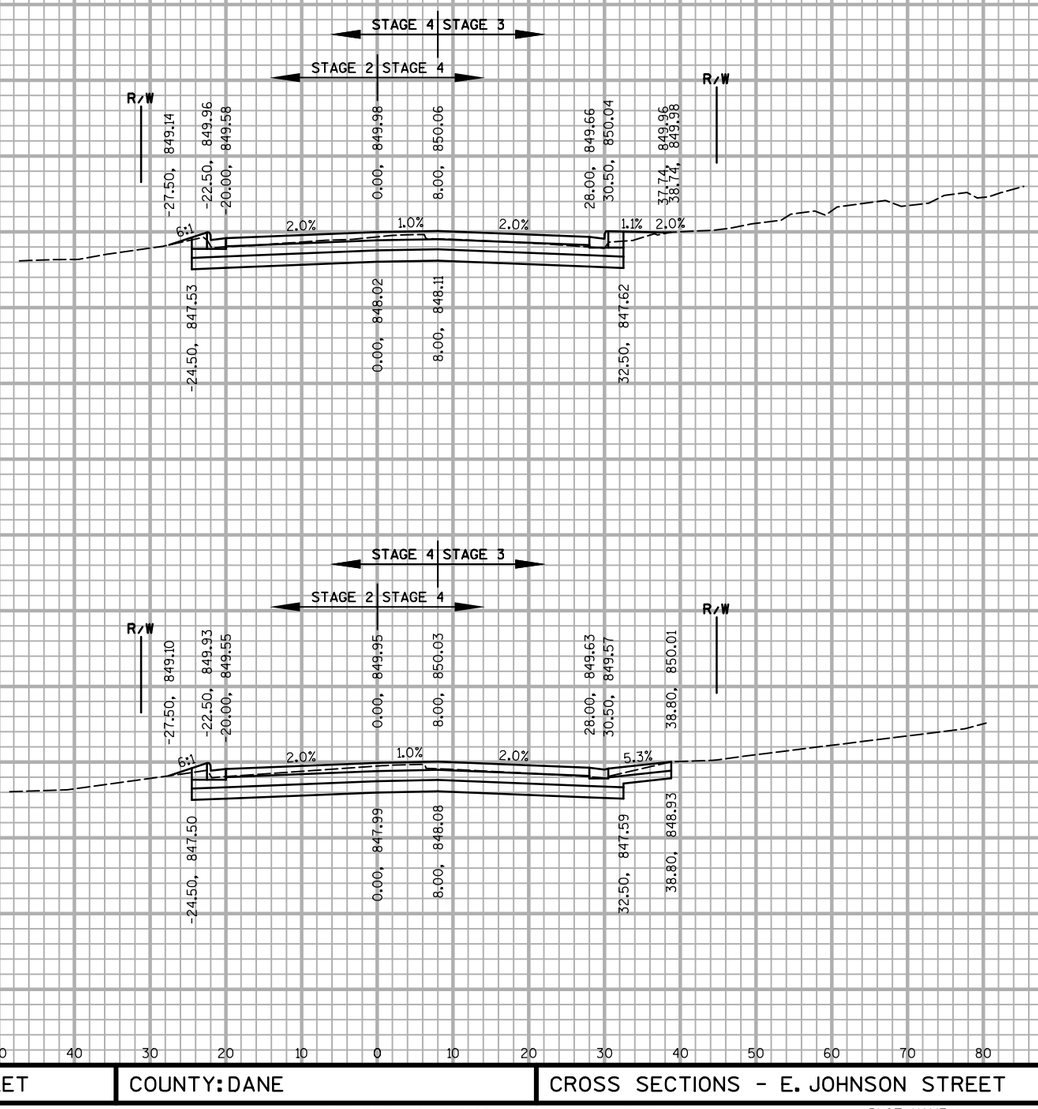
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



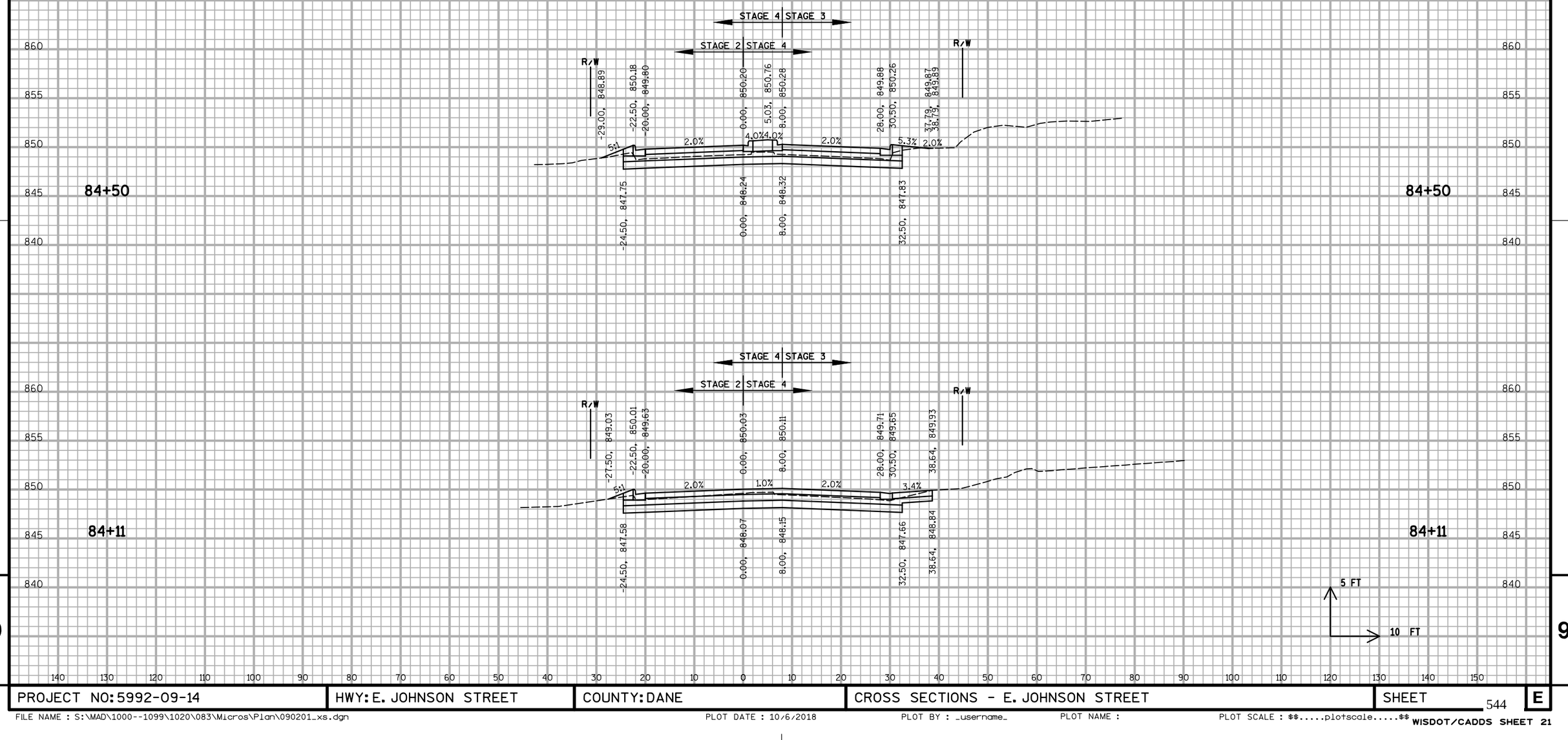
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 542	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



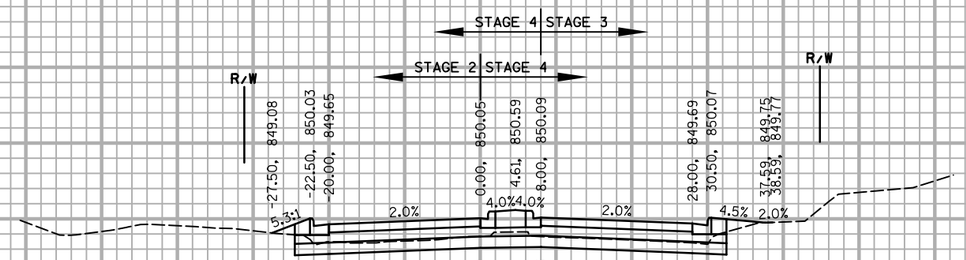
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 543	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

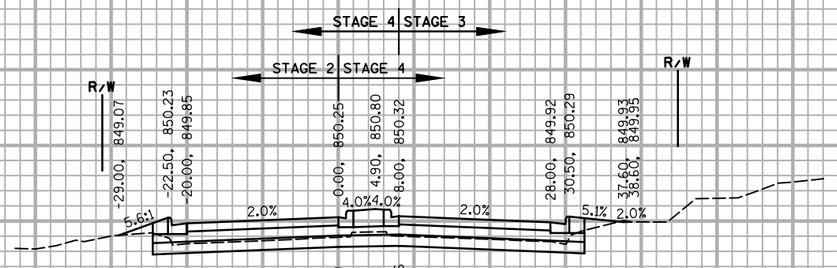


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 544	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



85+50

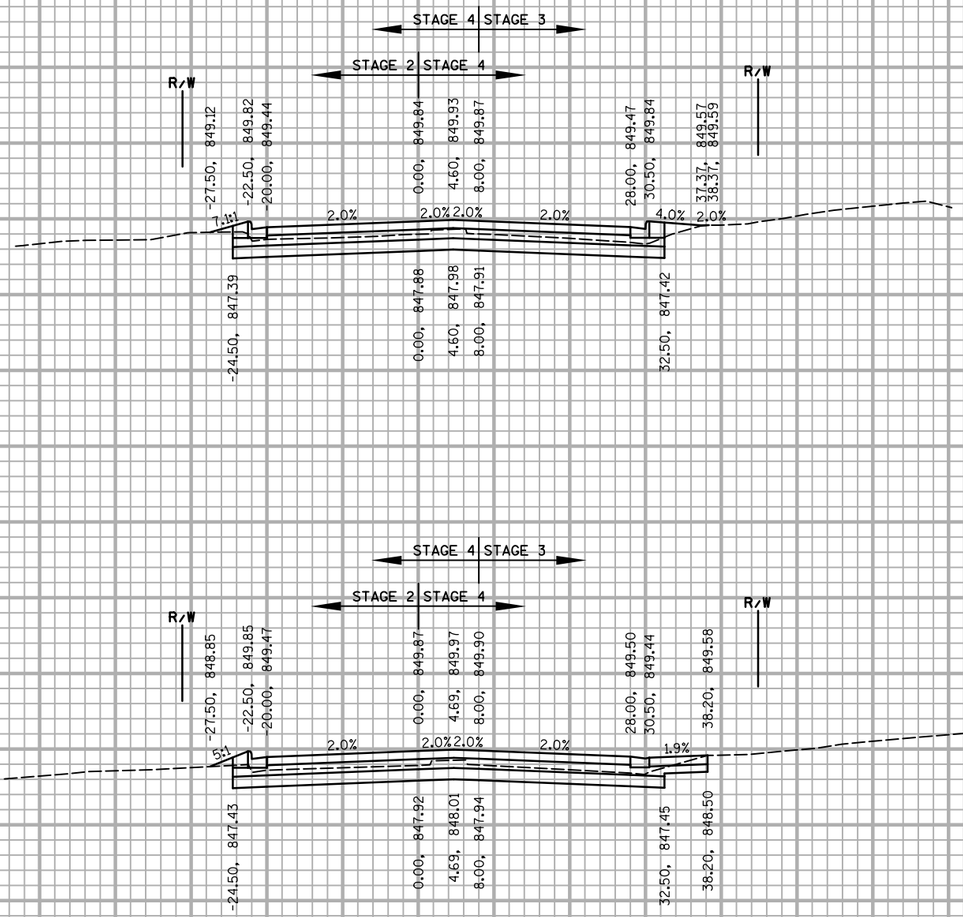


85+00

5 FT
10 FT

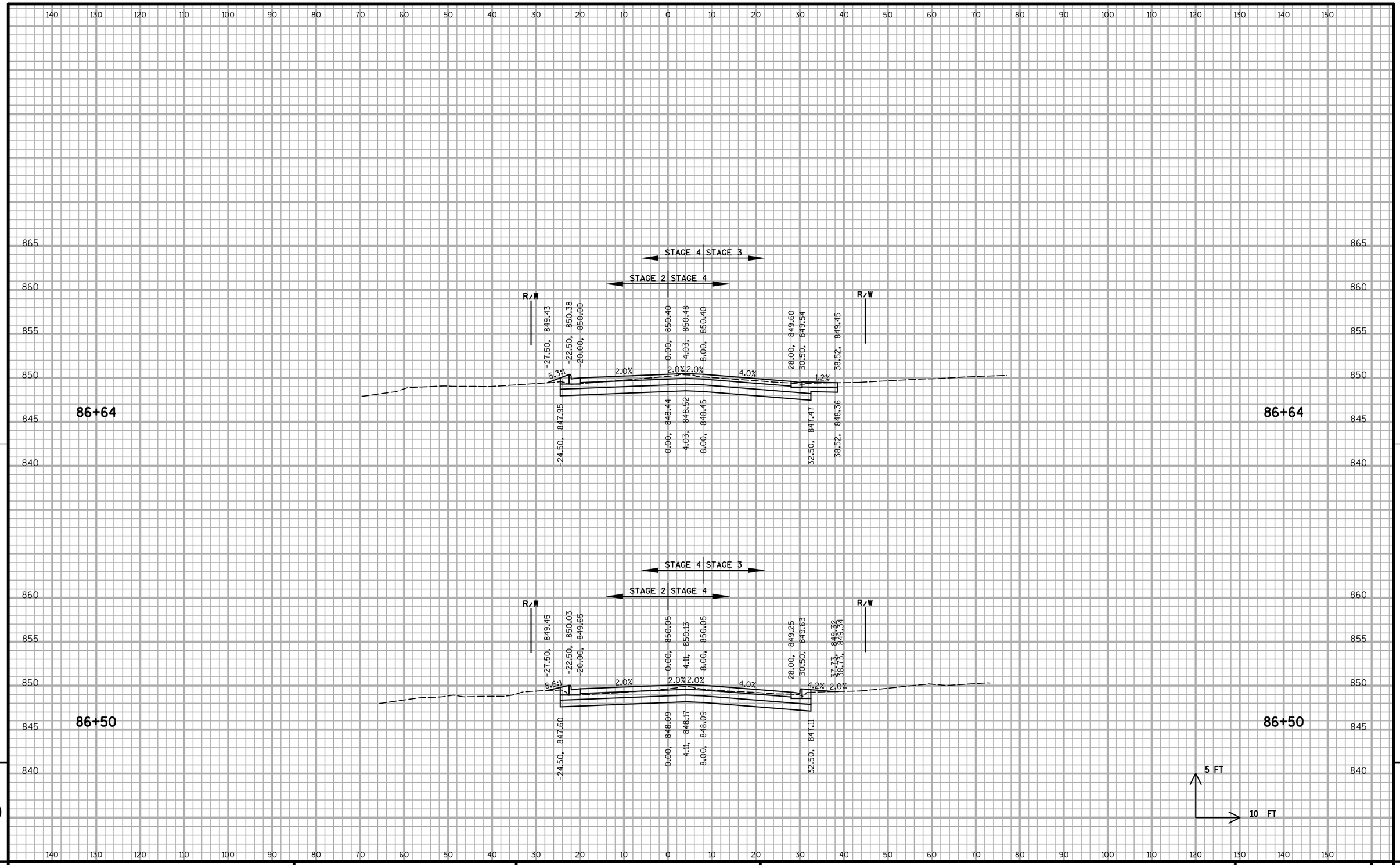
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 545	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 546	E

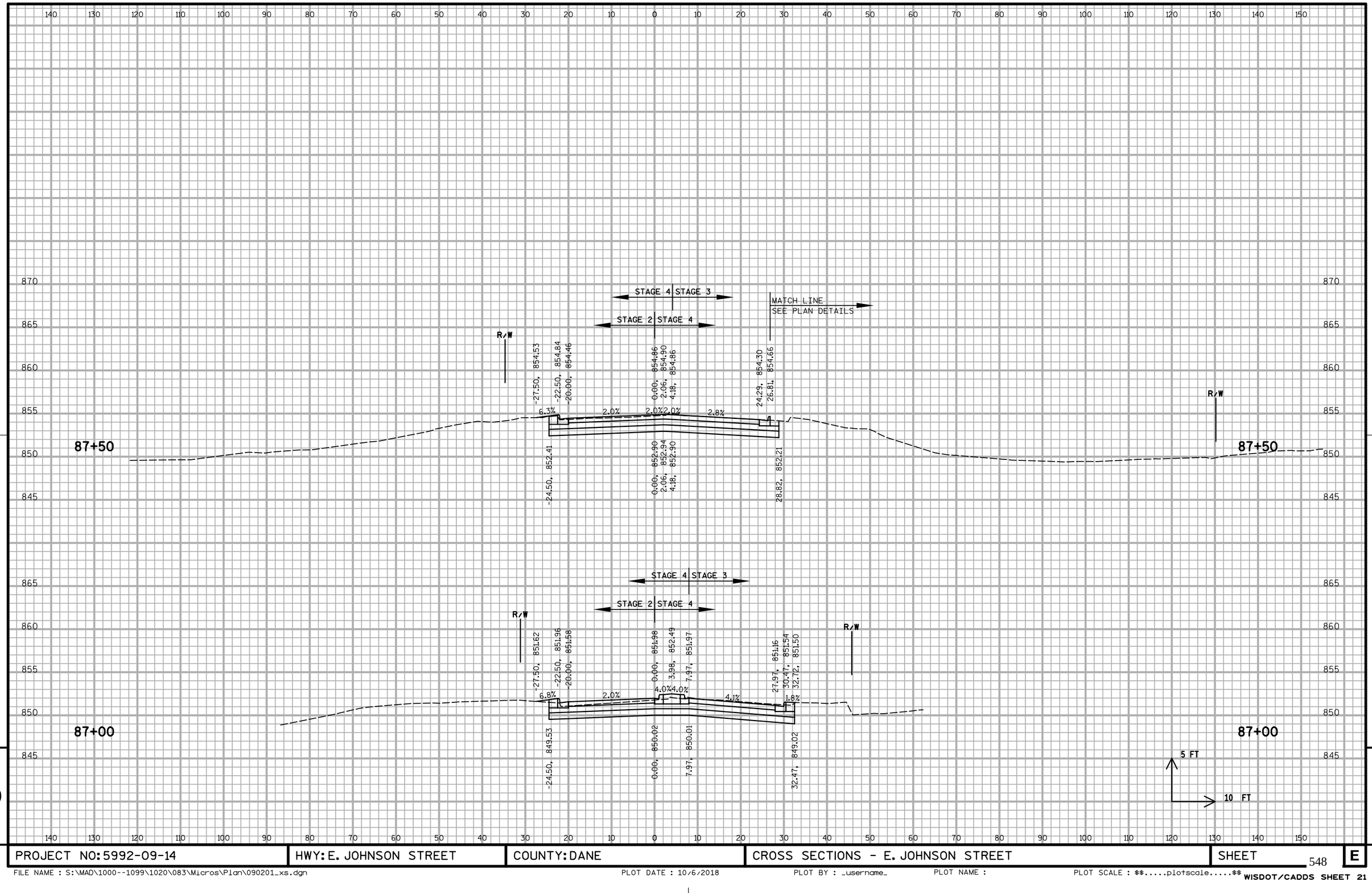
FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 547	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

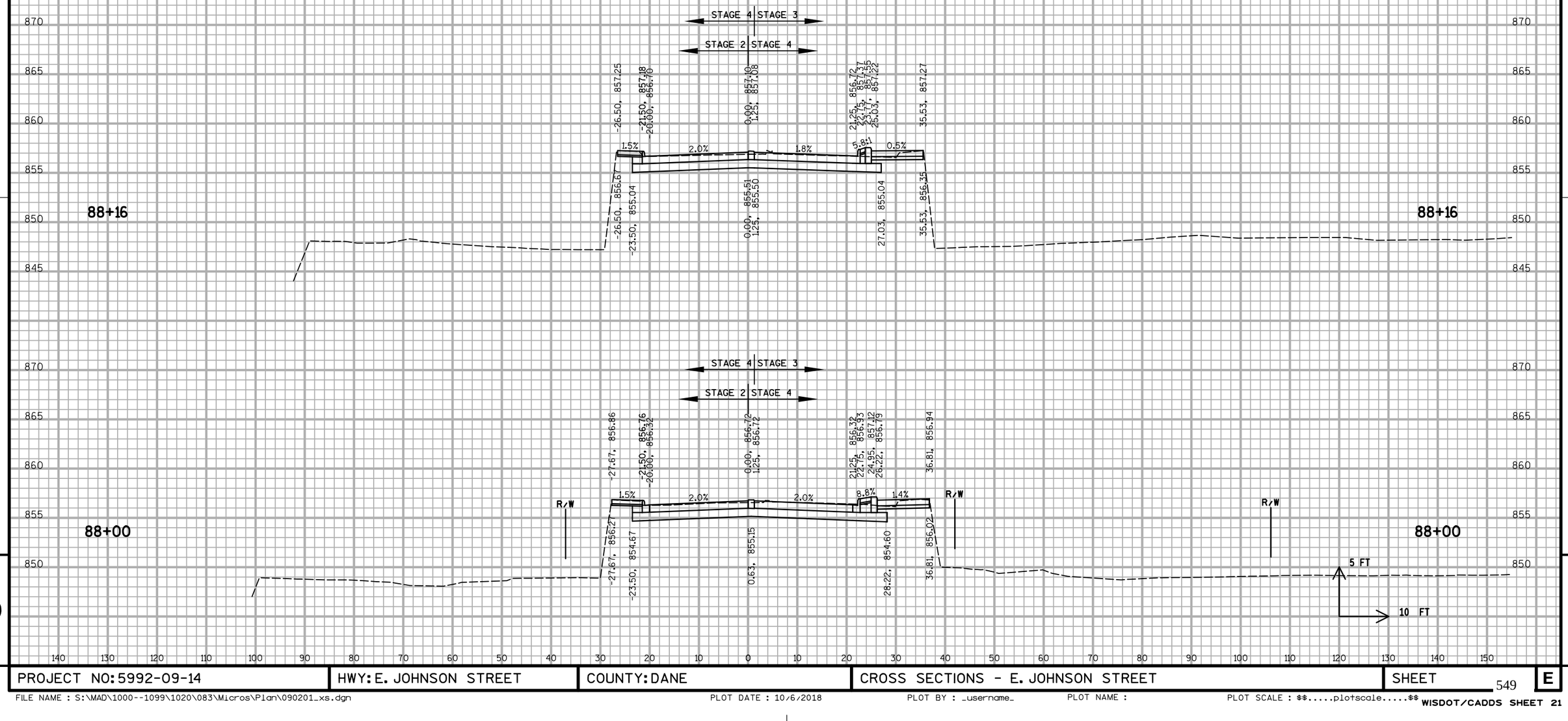


9

9

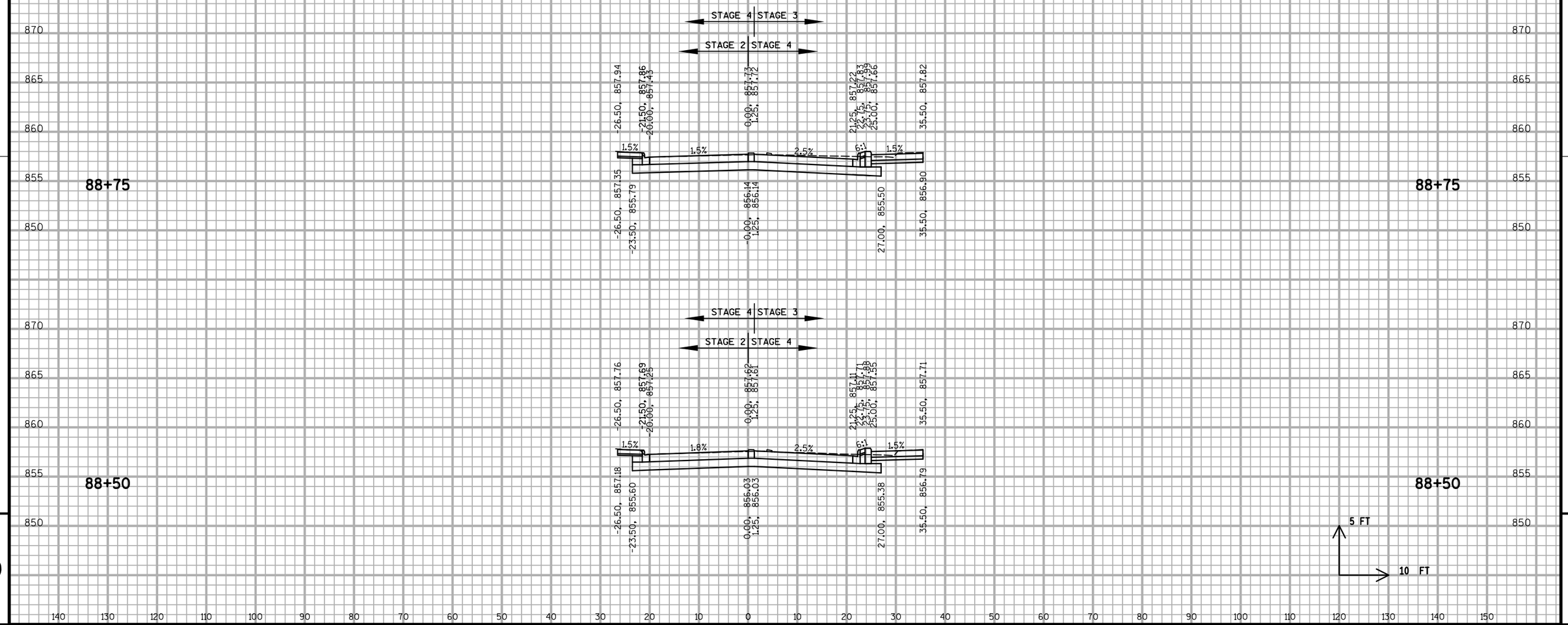
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 548	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 10/6/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

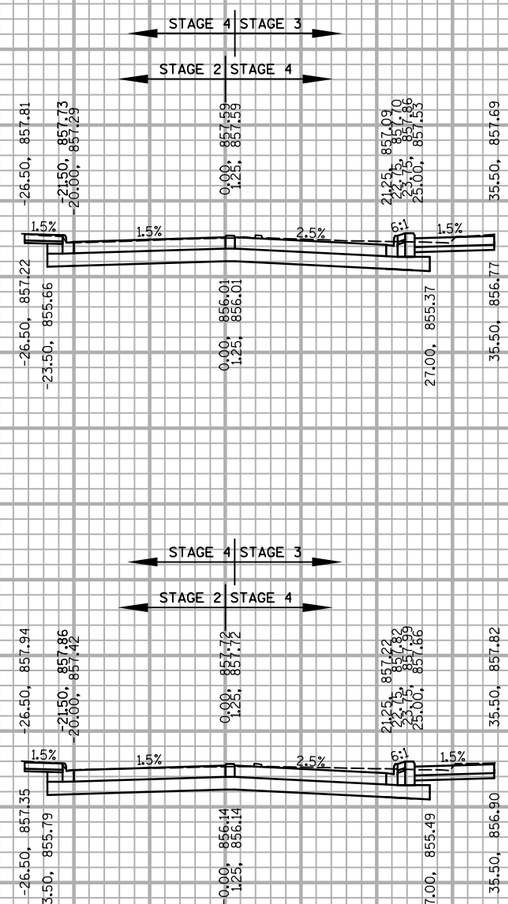


9

9

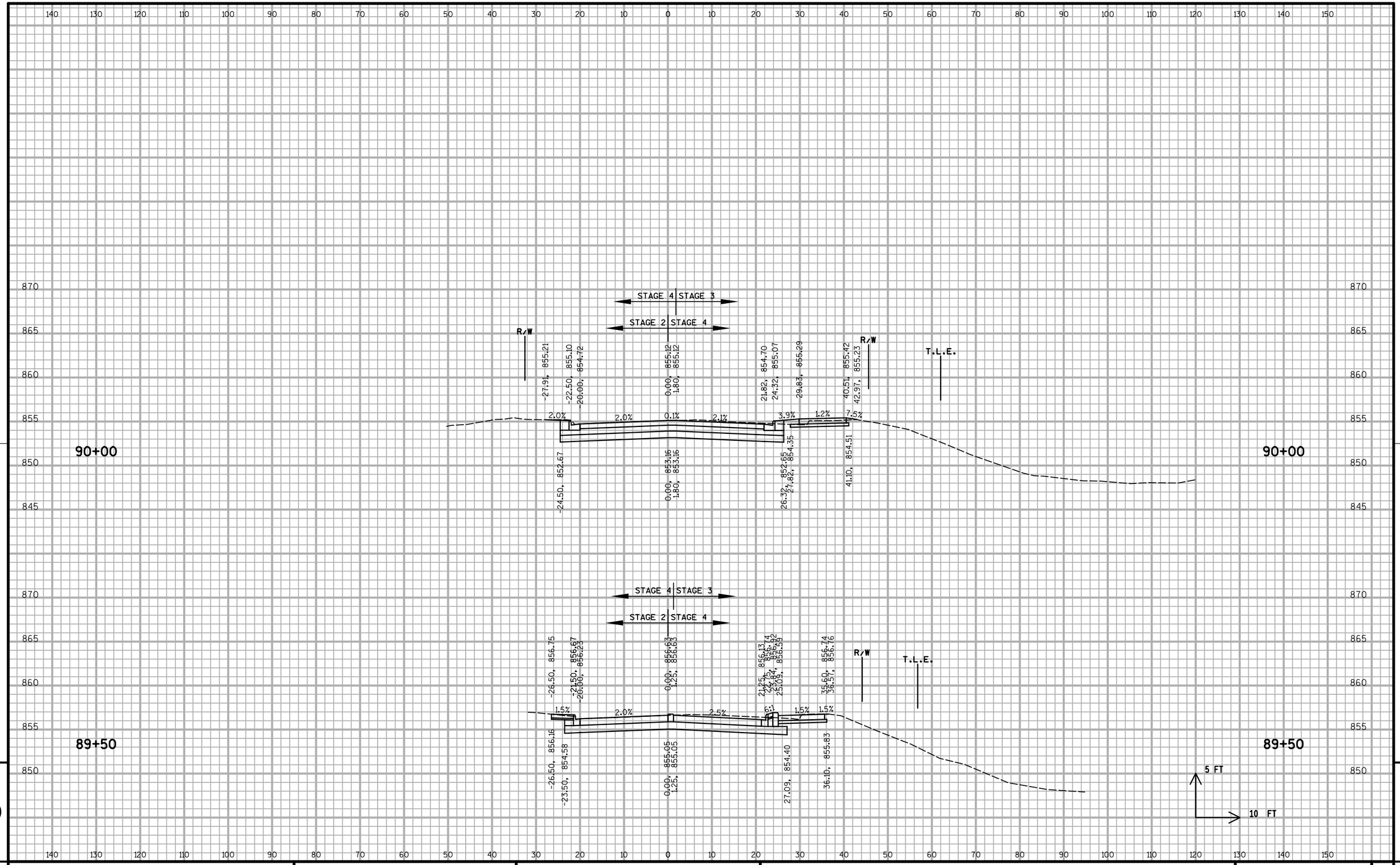
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 550	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



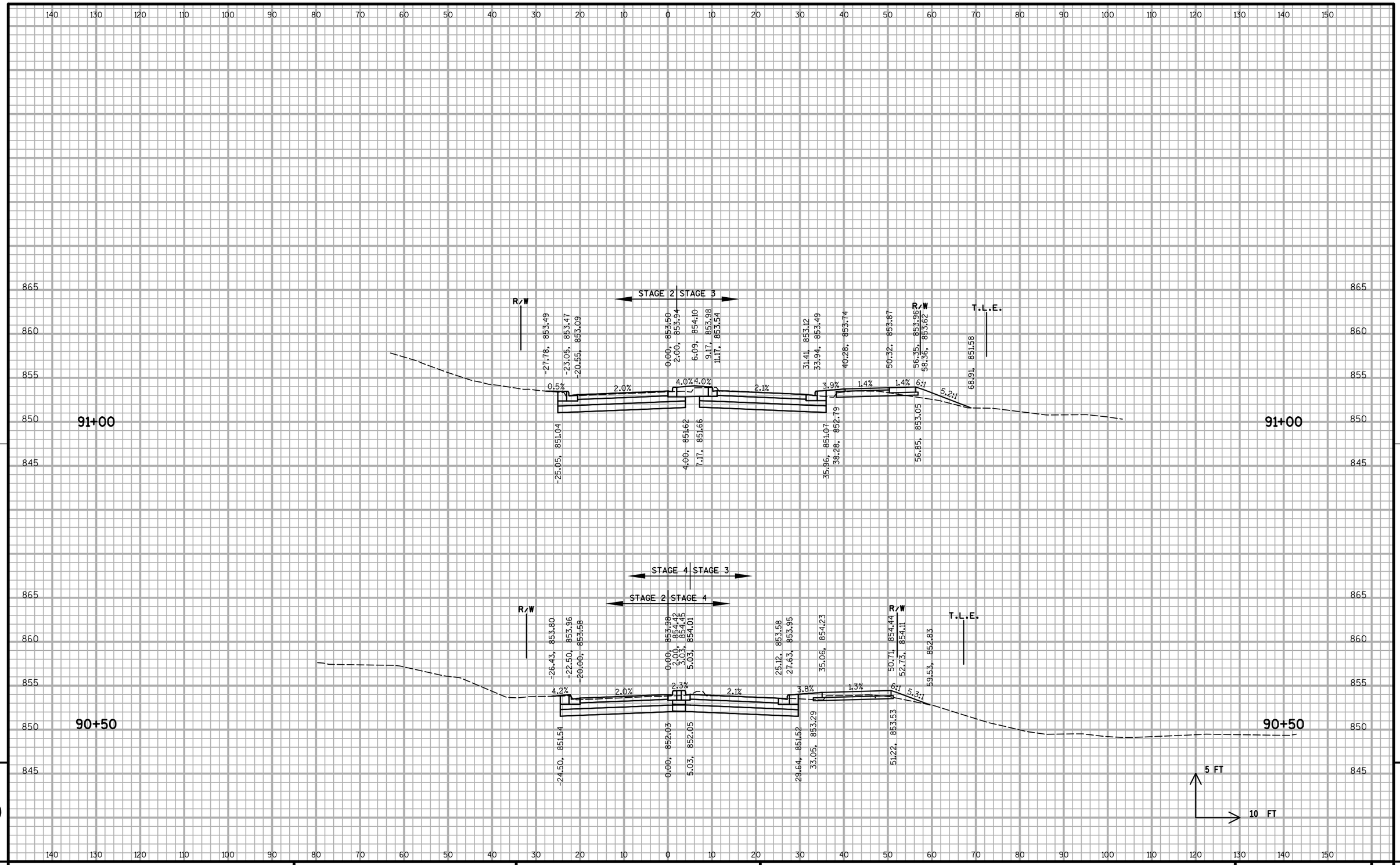
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 551	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 552	E

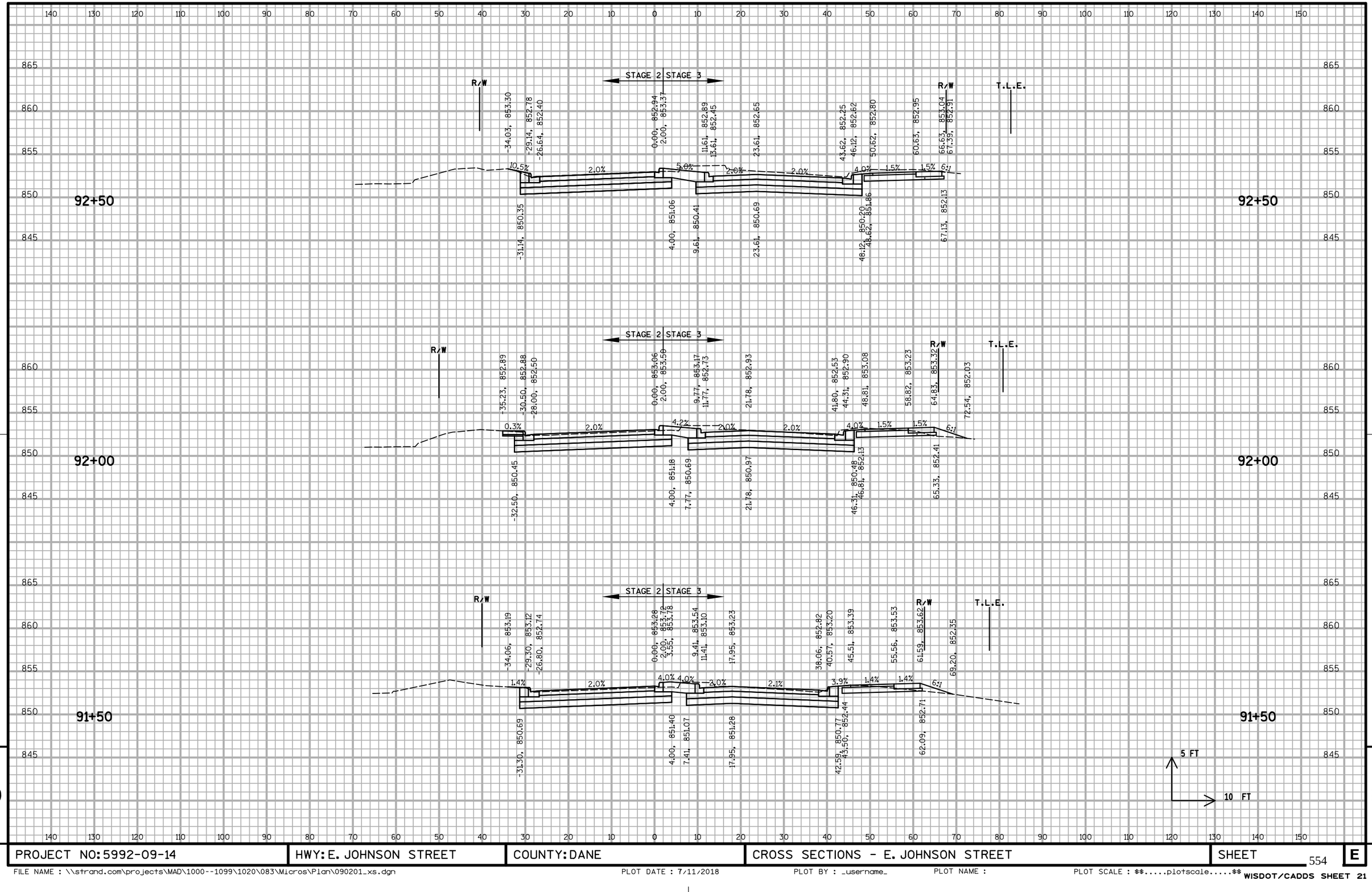
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9 9

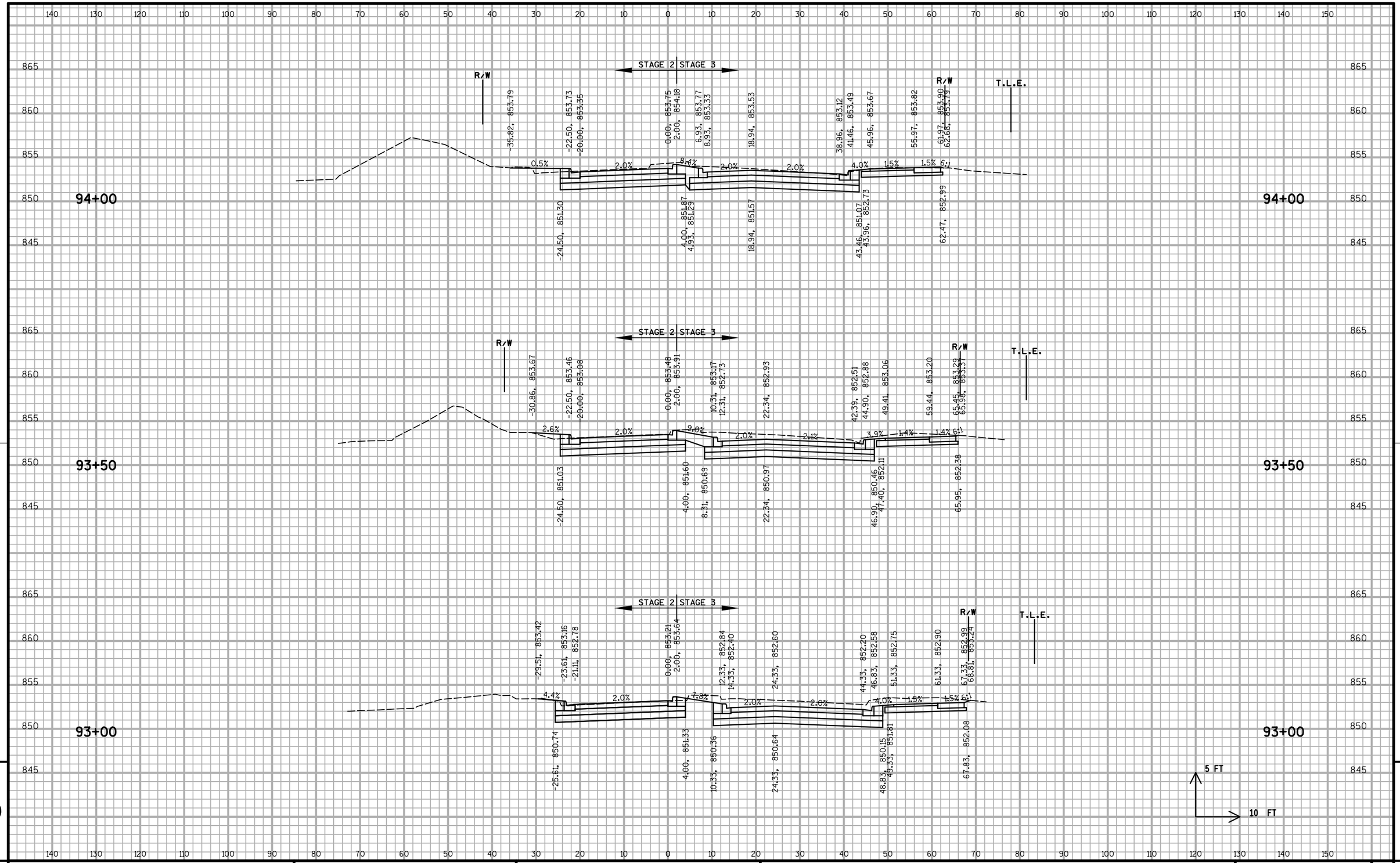
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 553	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 554	E

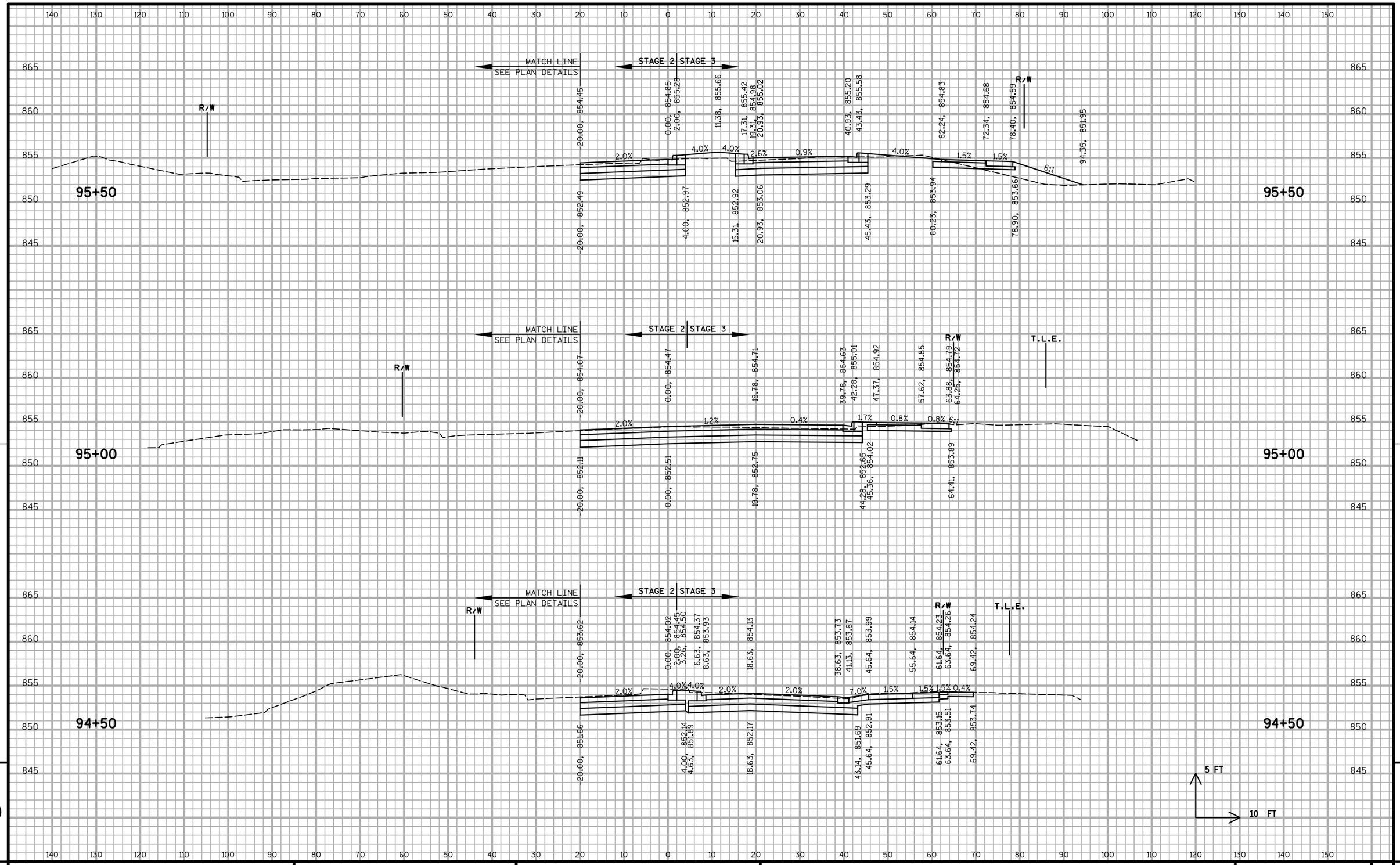
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 555	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

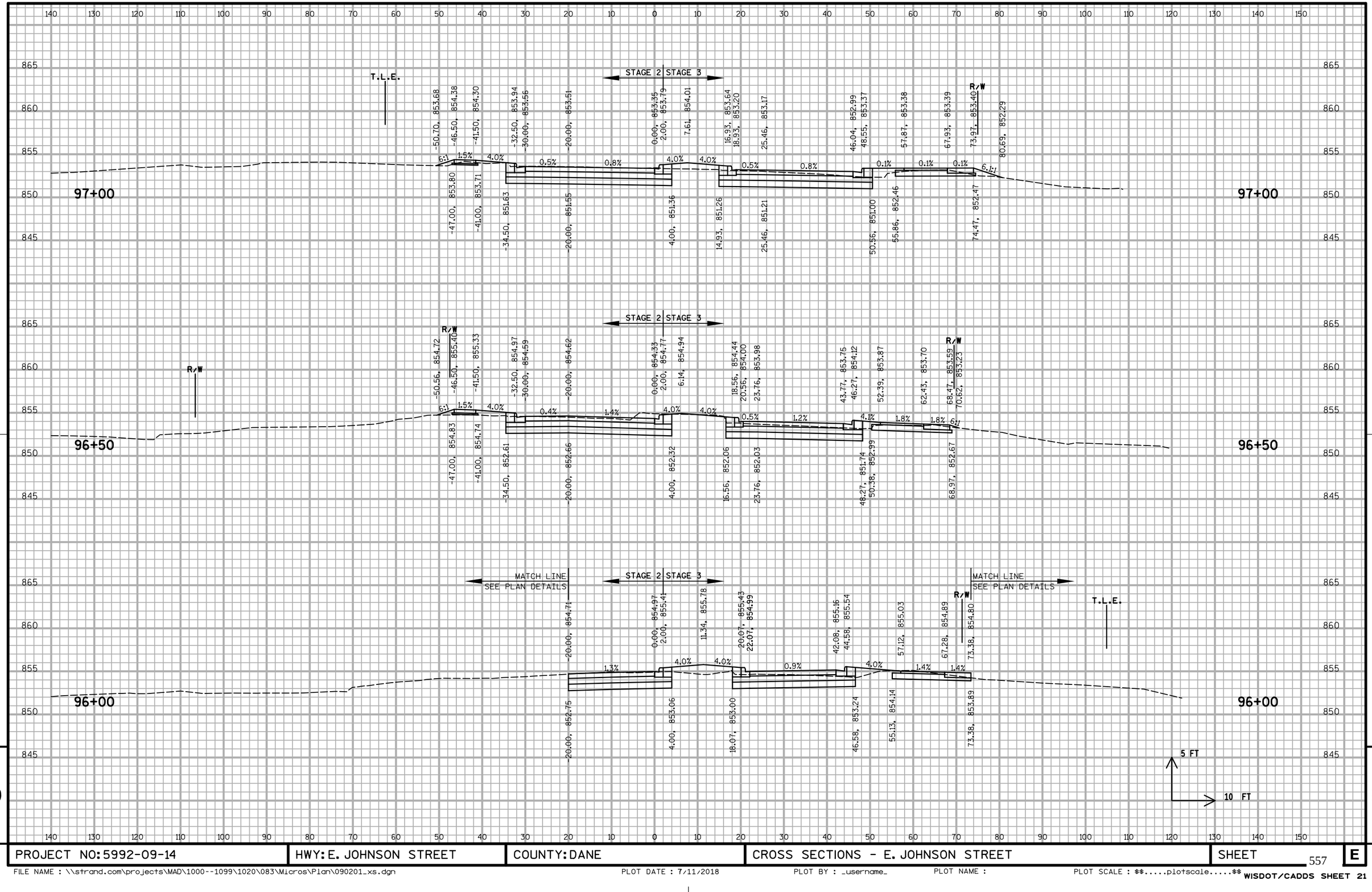


9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 556	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



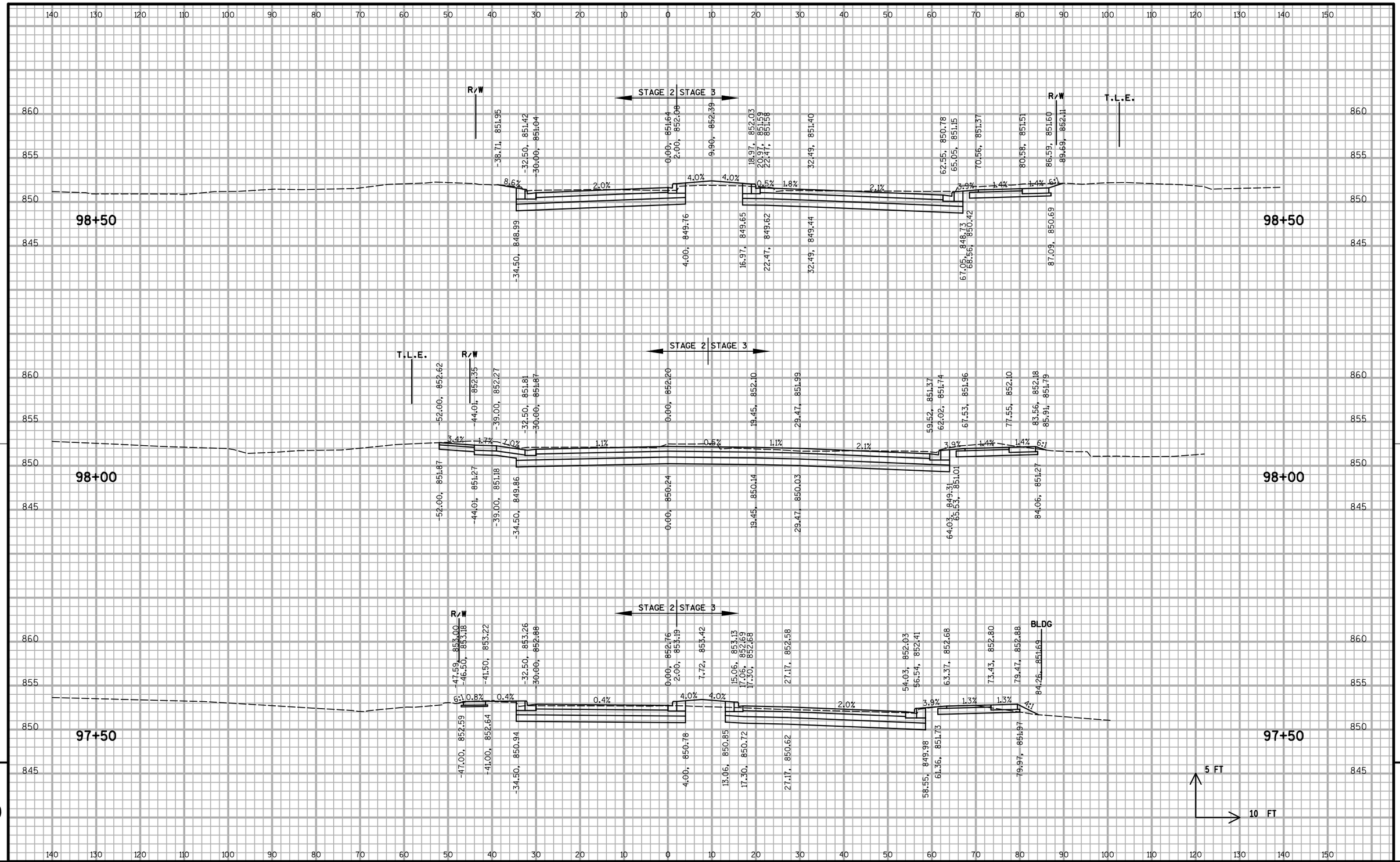
9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 557	E

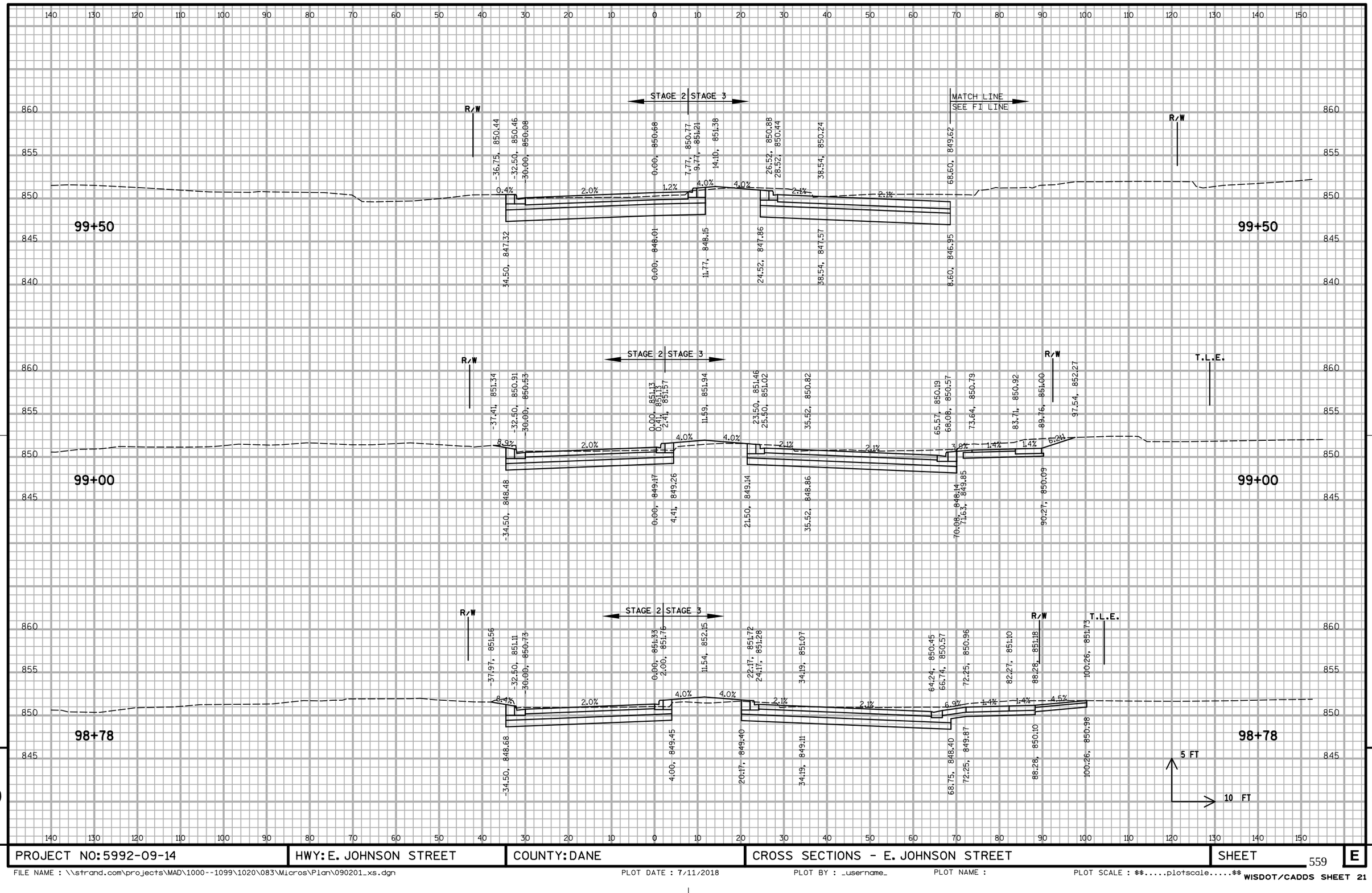
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 558	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



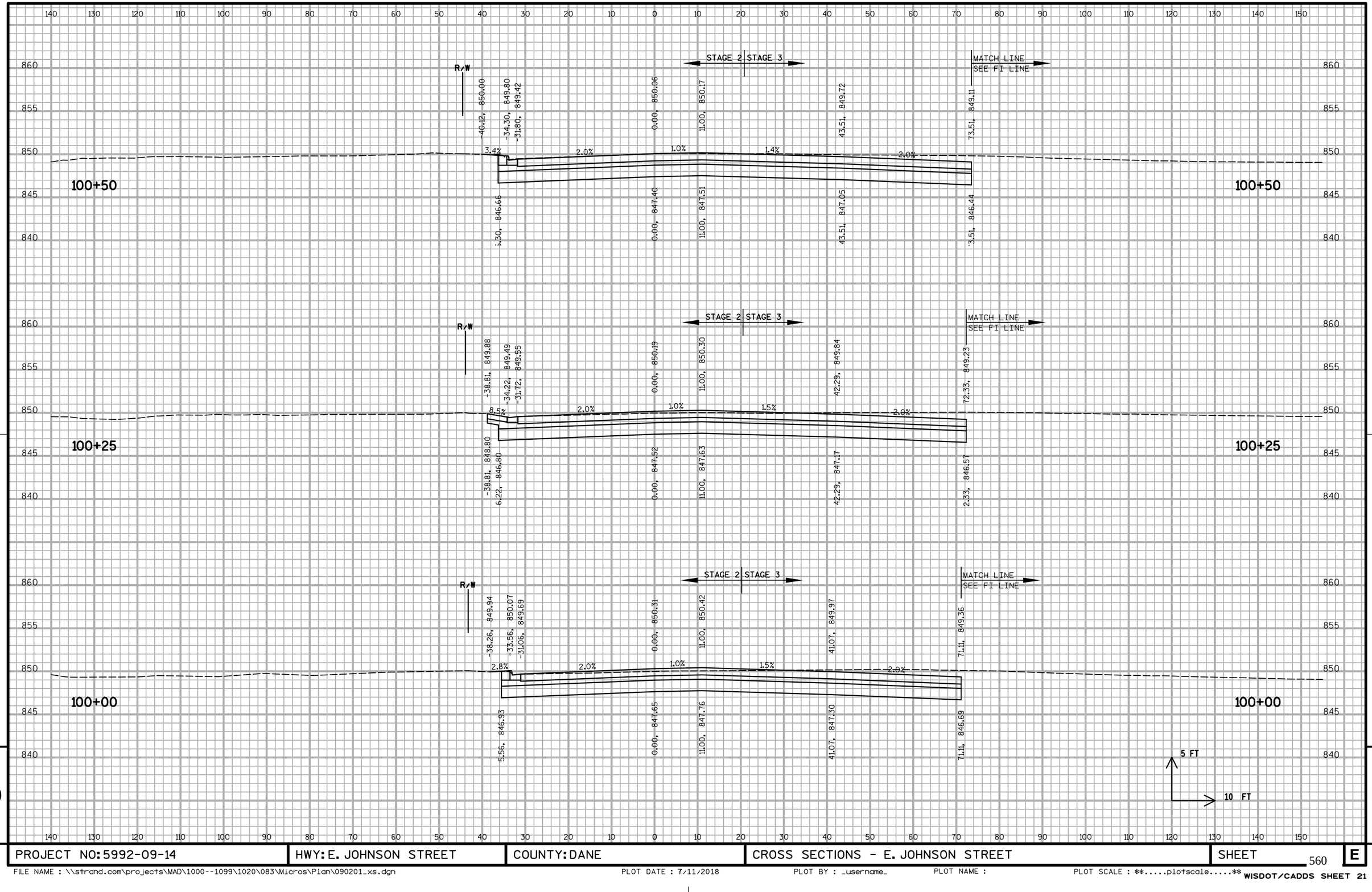
9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 559	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

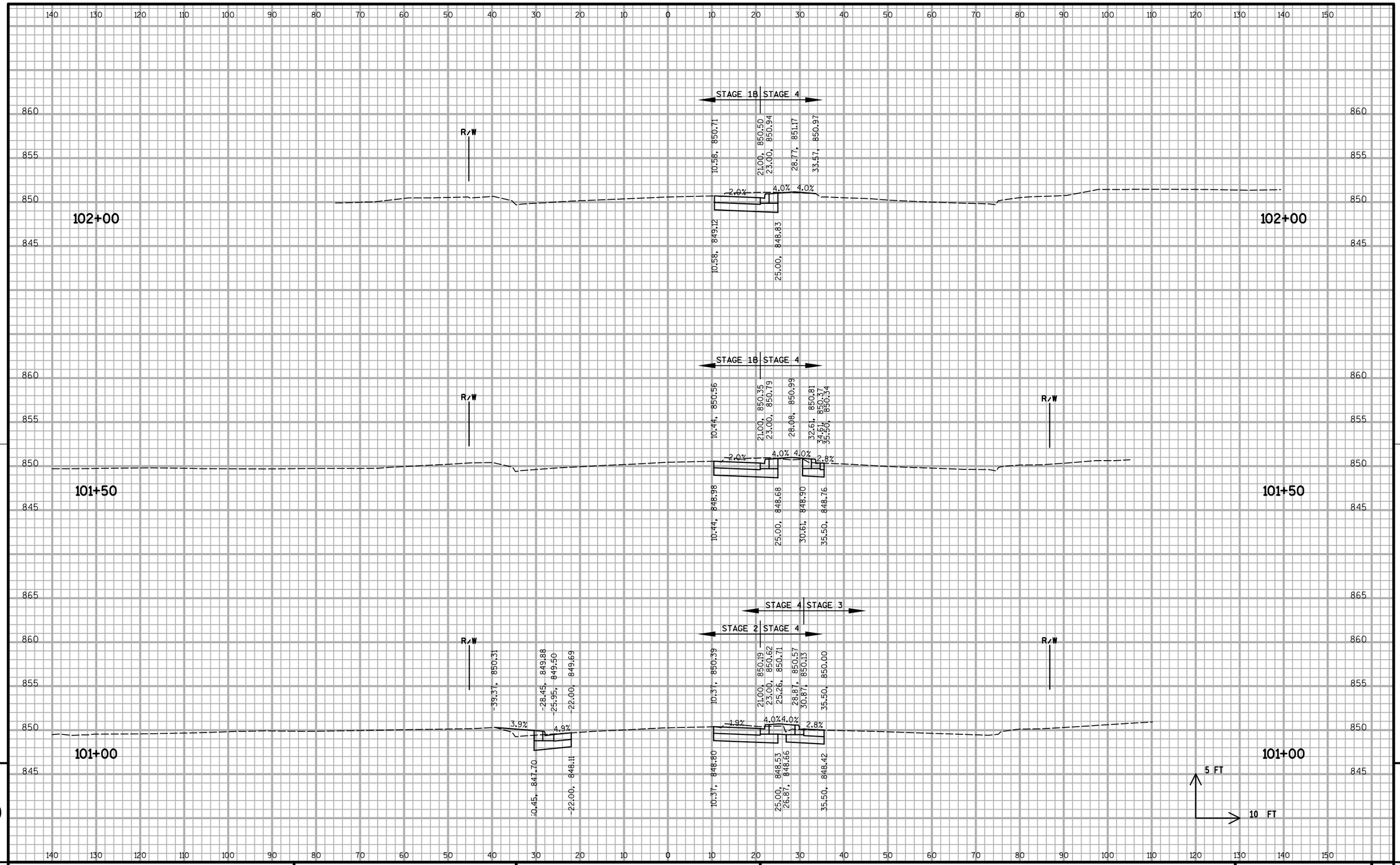
WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 560	E

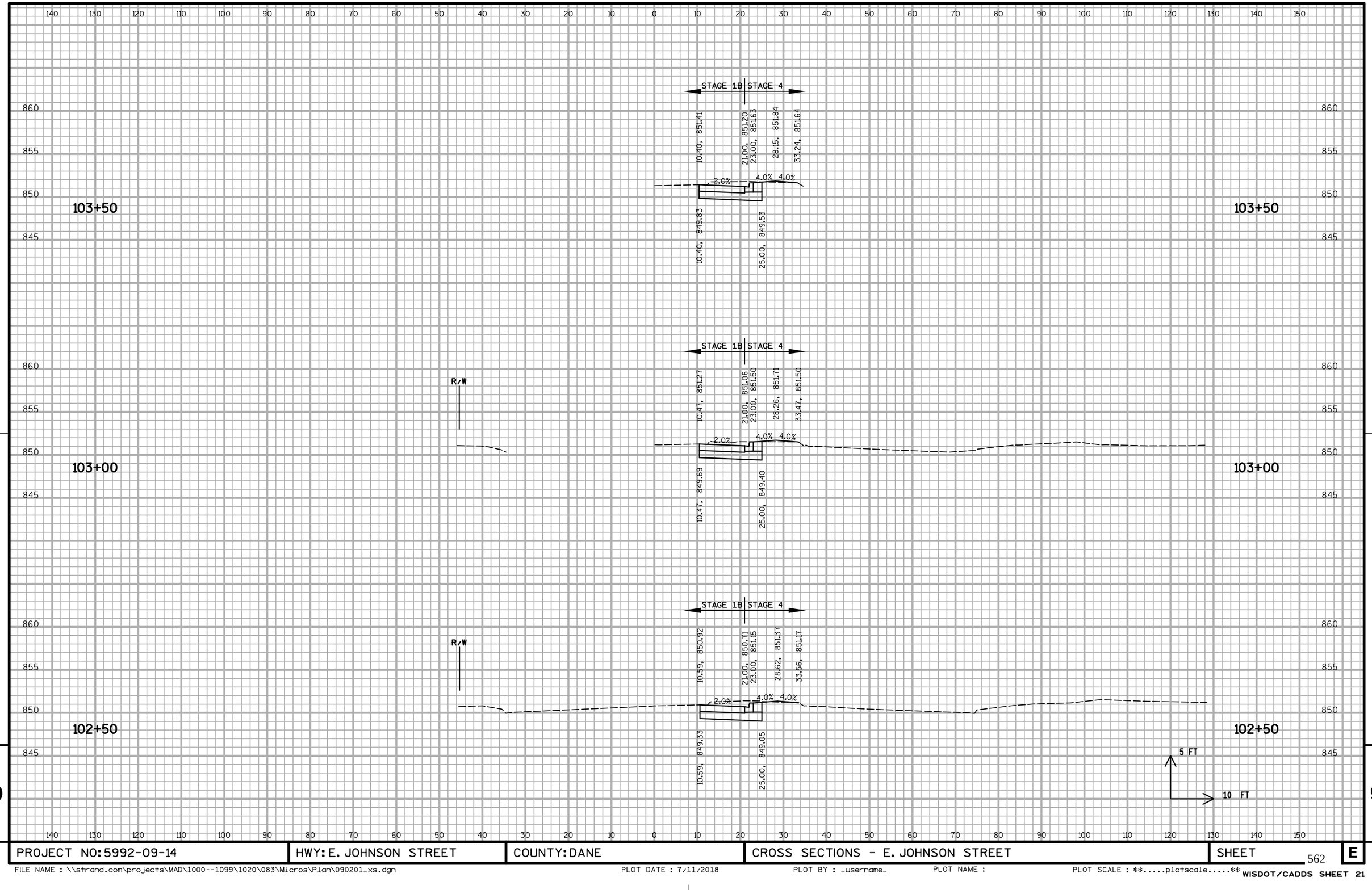


9

9

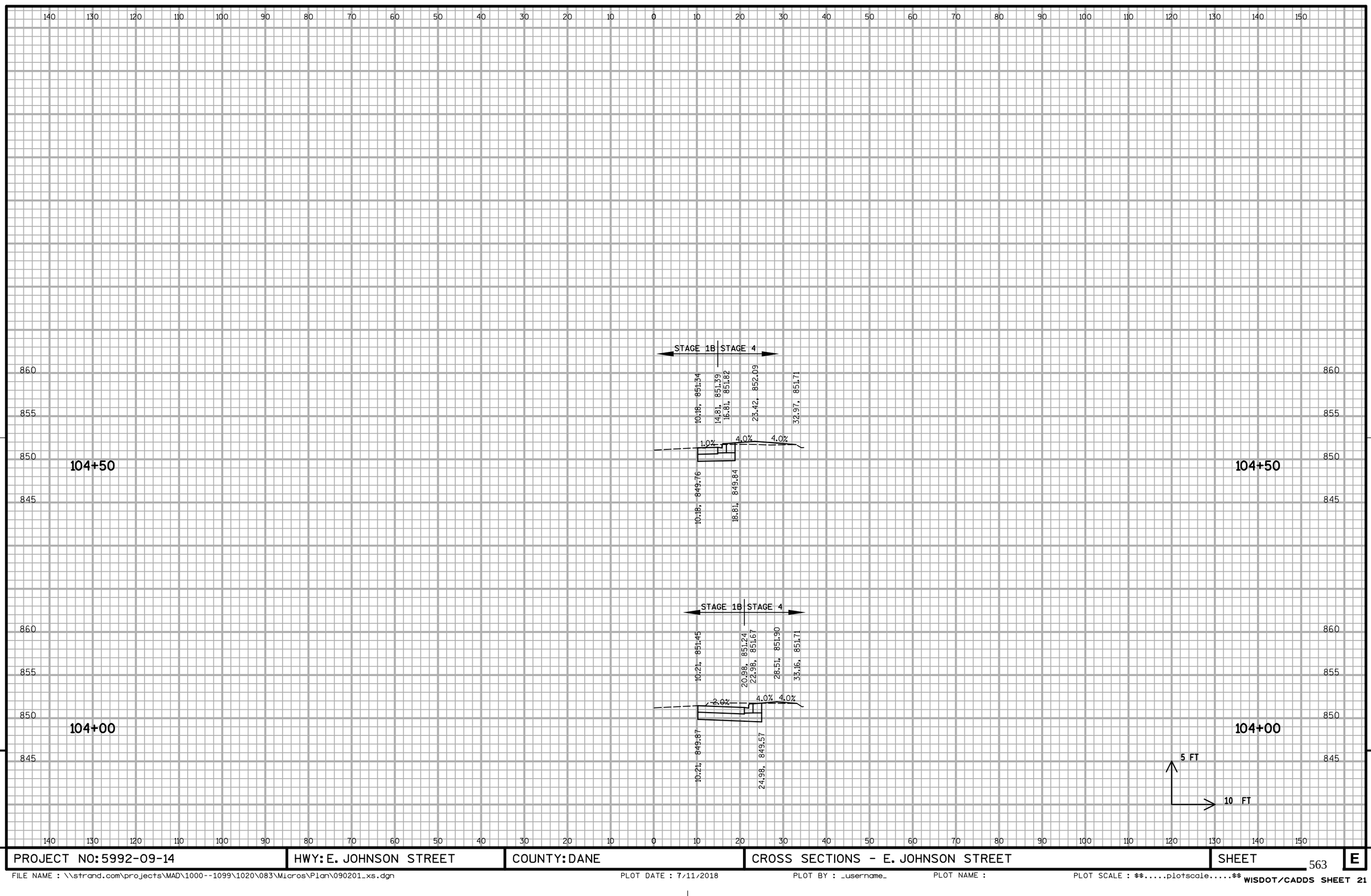
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 562	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

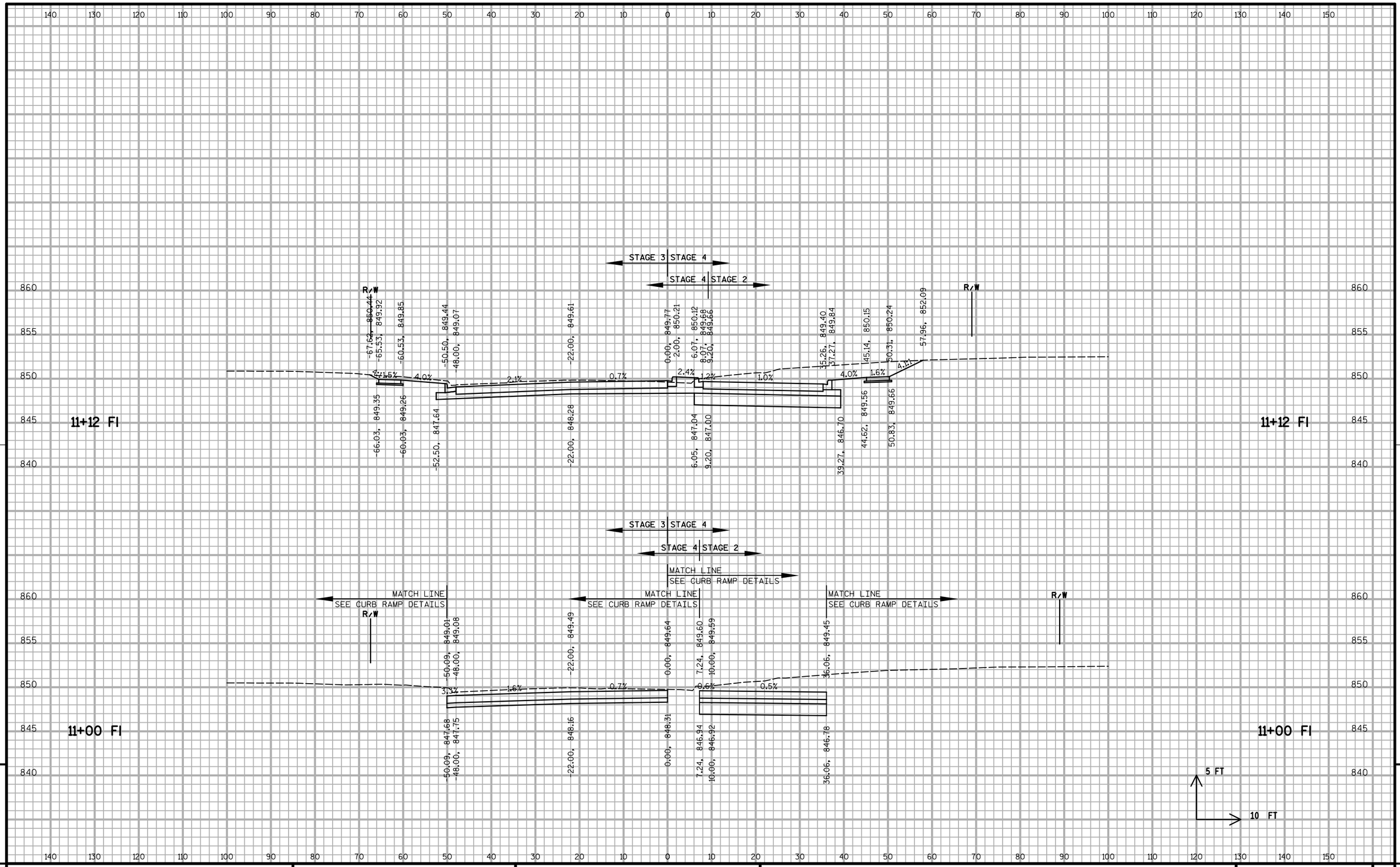


9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET 563	E

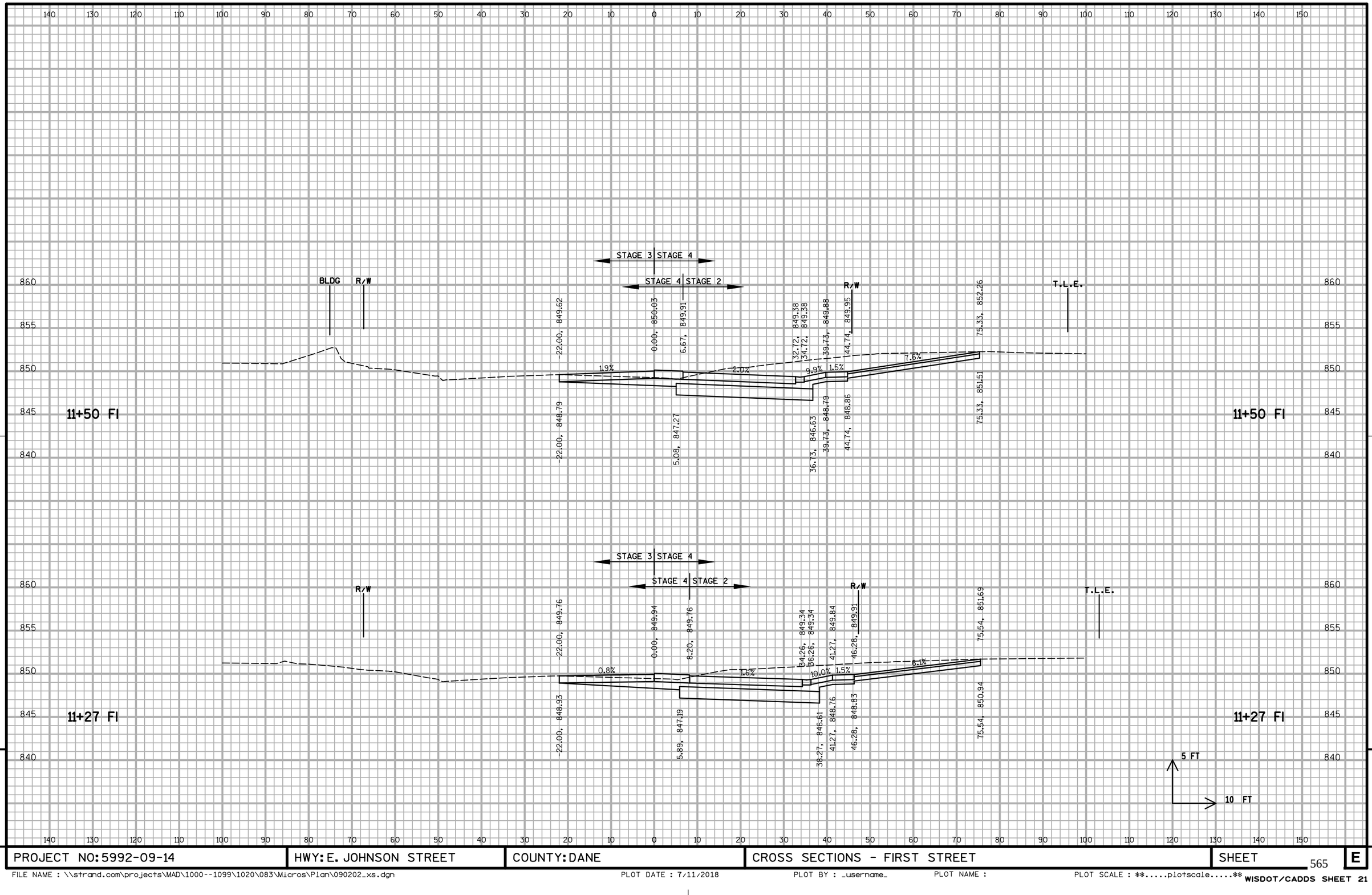
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090201_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

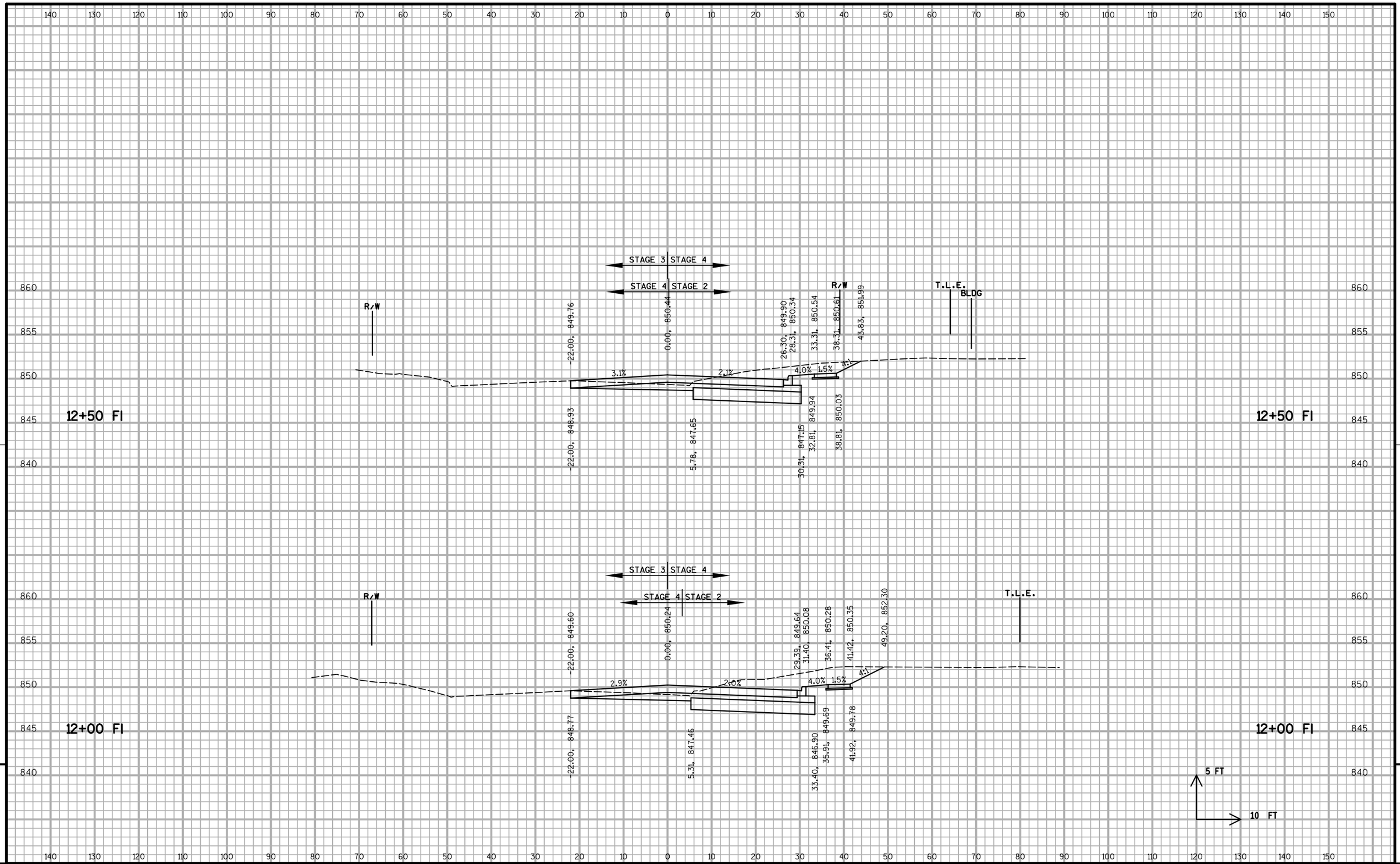
9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET 564	E



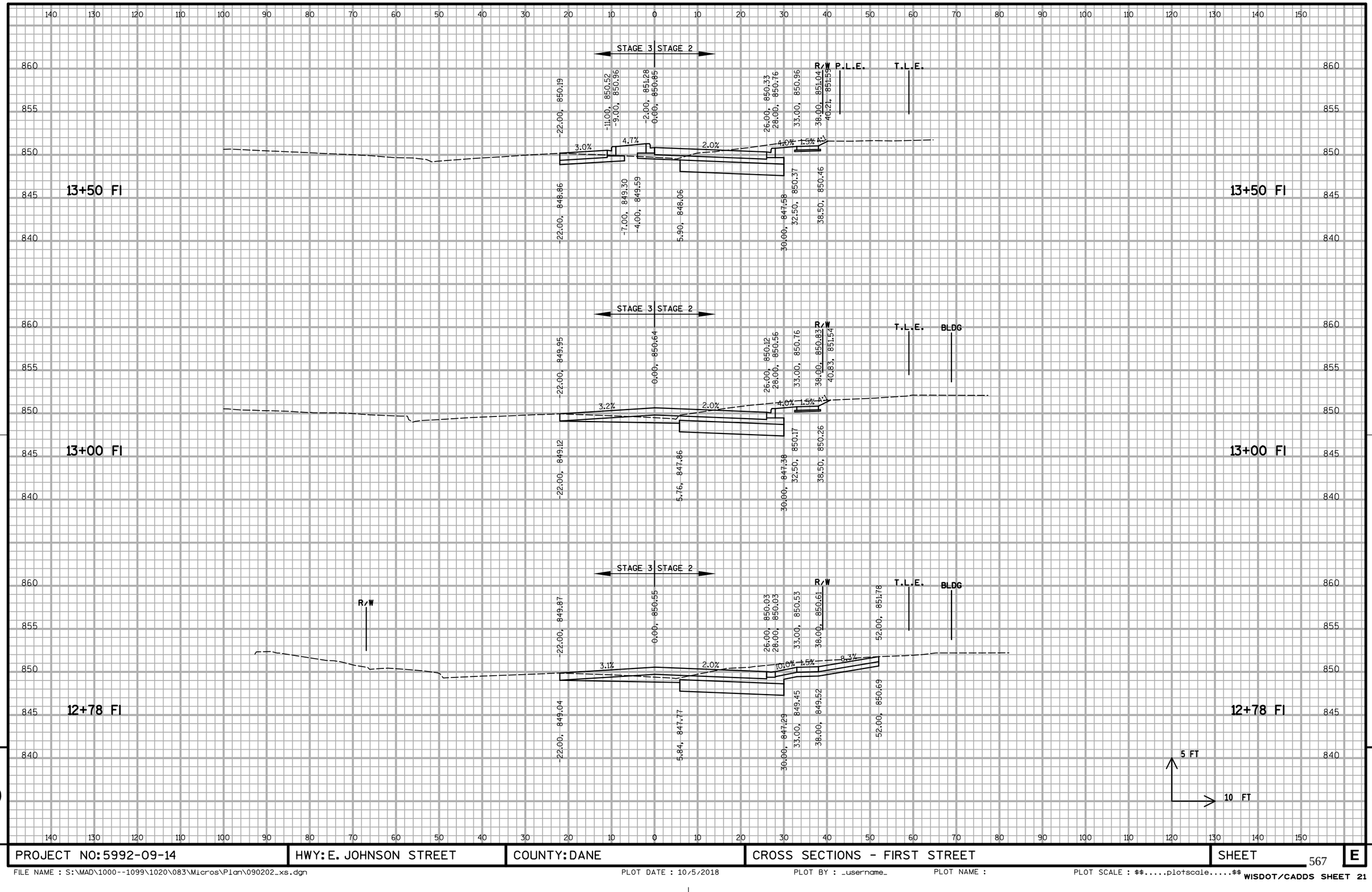
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET 565	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090202_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090202_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

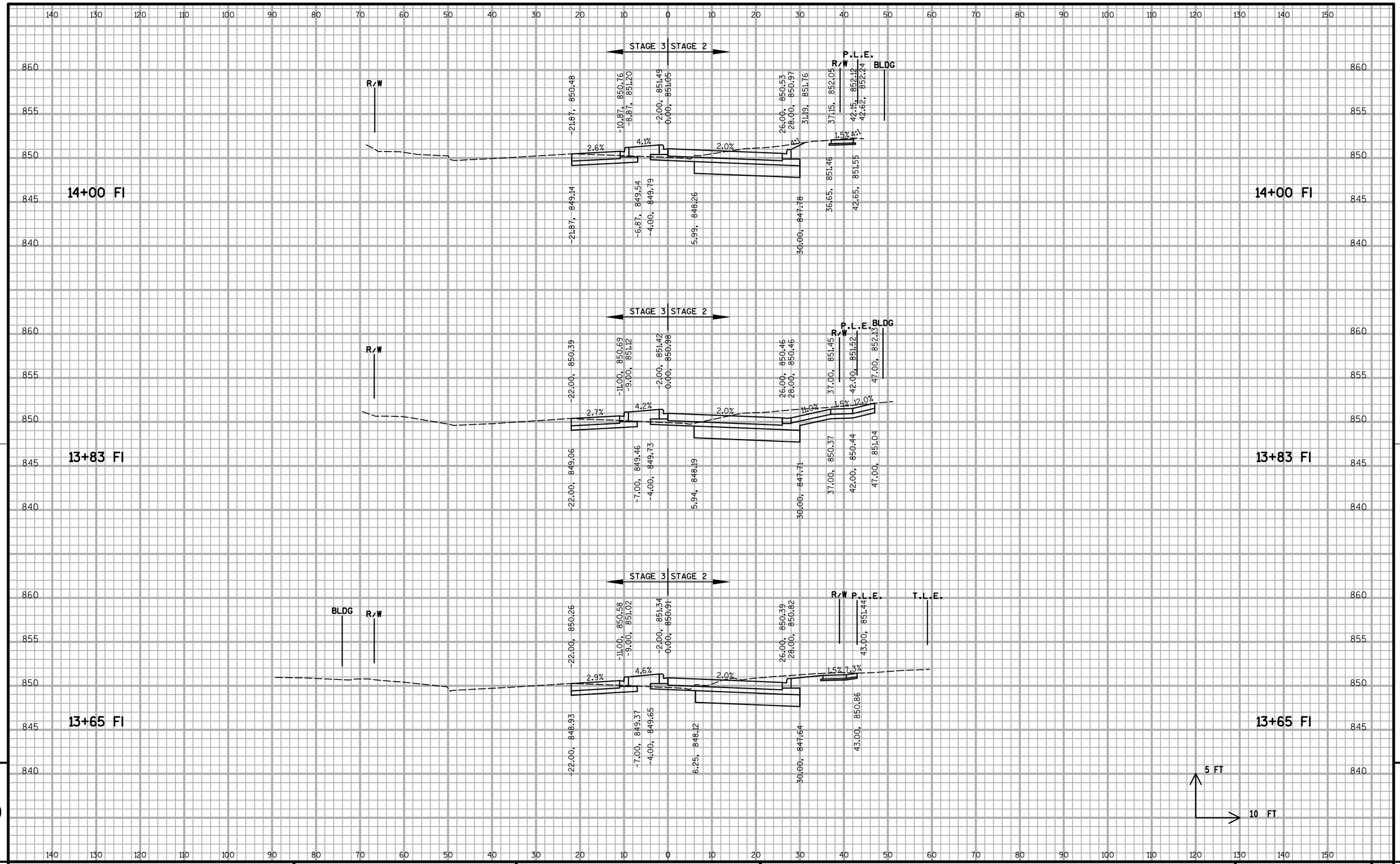


9

9

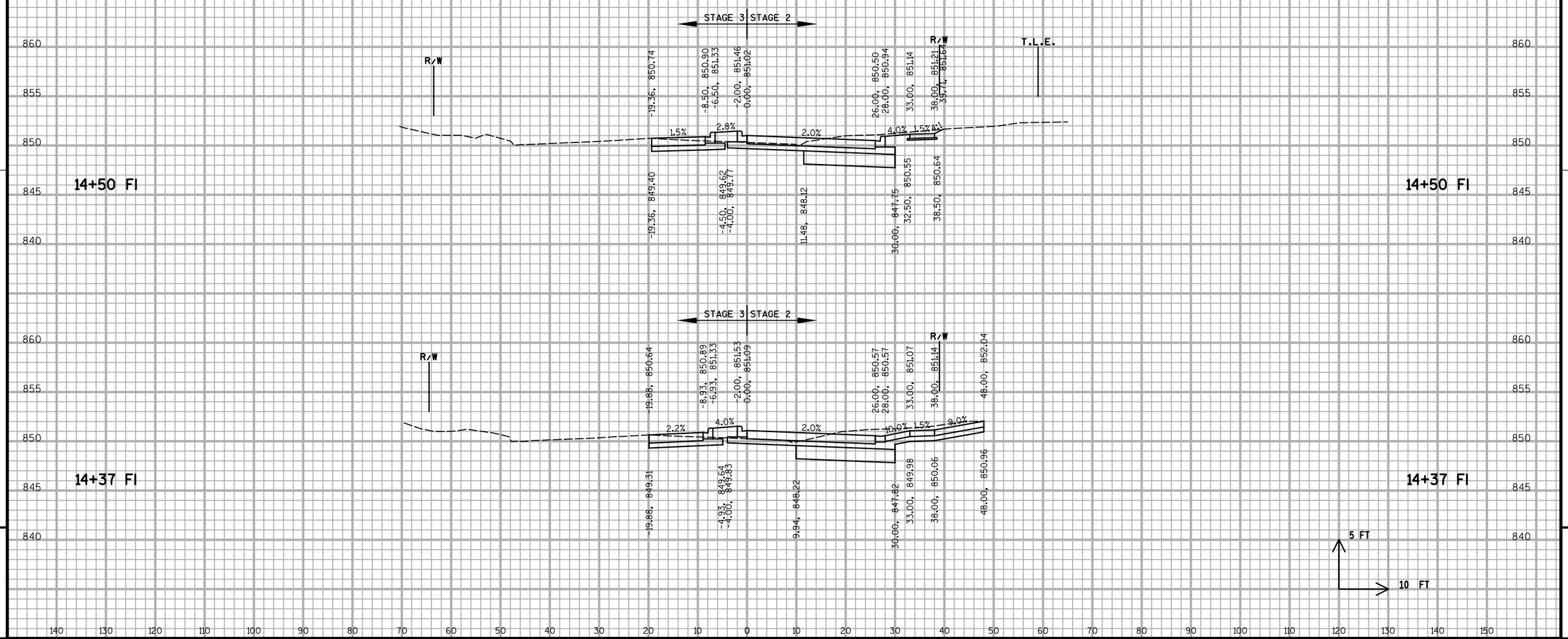
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090202_xs.dgn PLOT DATE : 10/5/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET 568	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\090202_xs.dgn PLOT DATE : 10/5/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



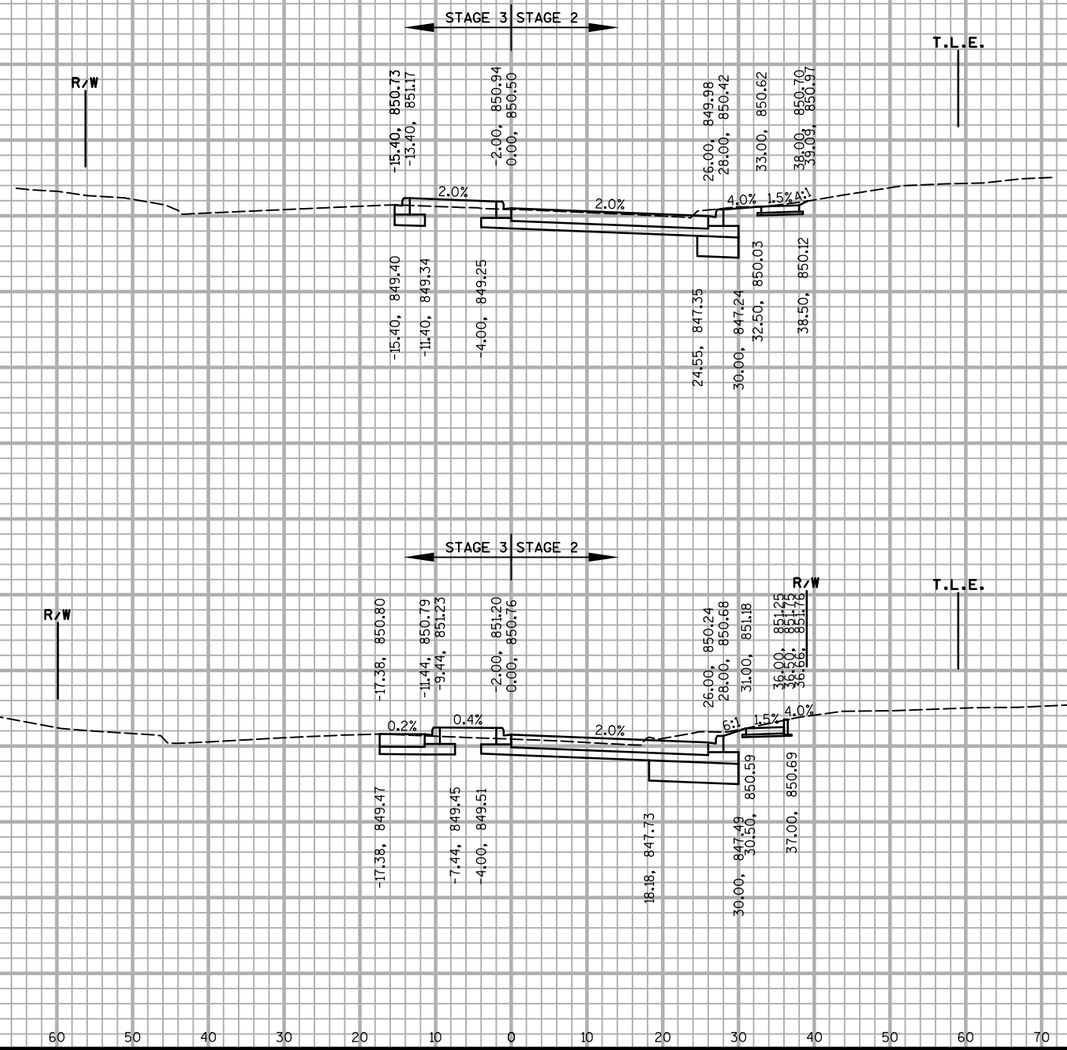
9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET	E

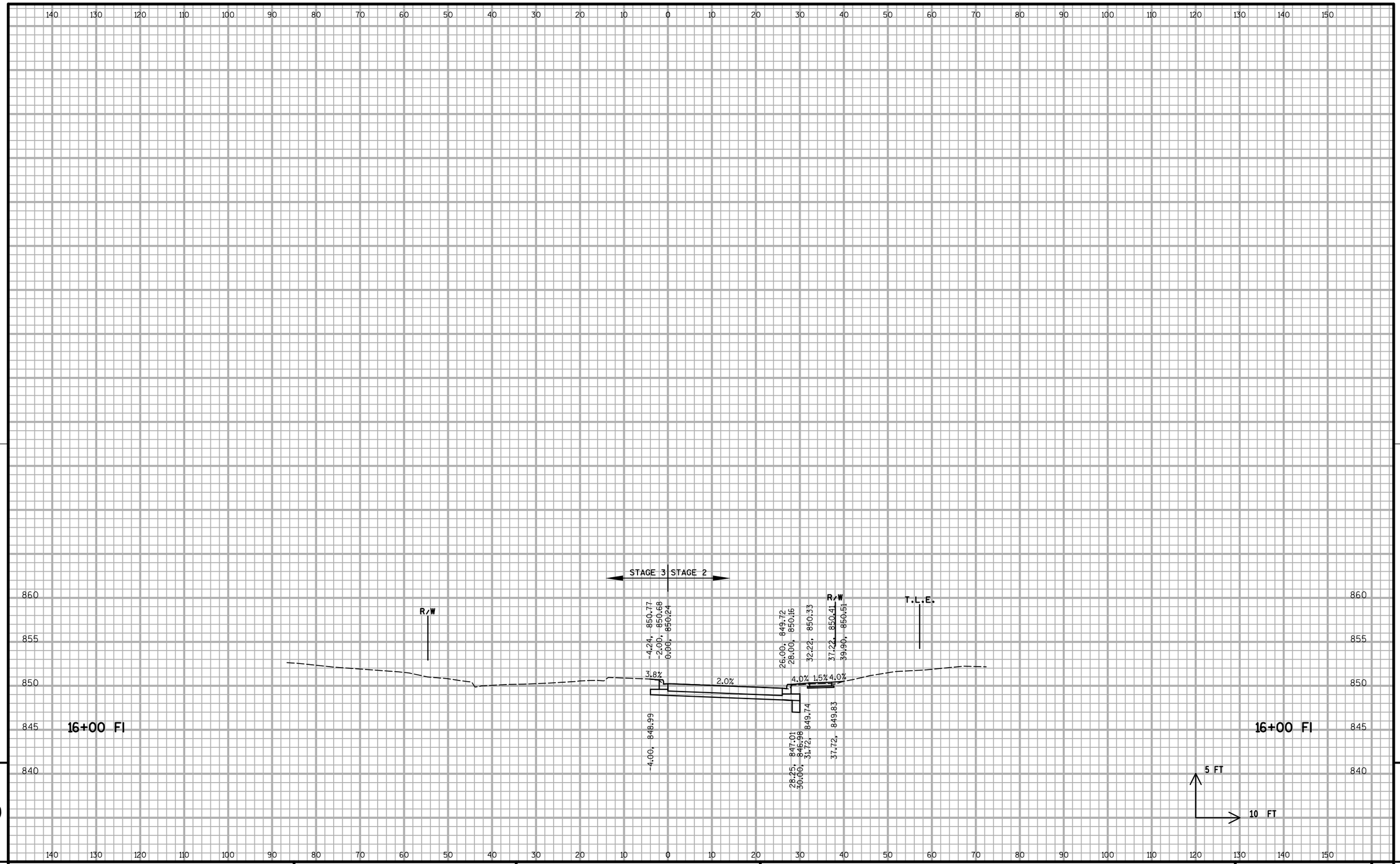
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090202_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET 570	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090202_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

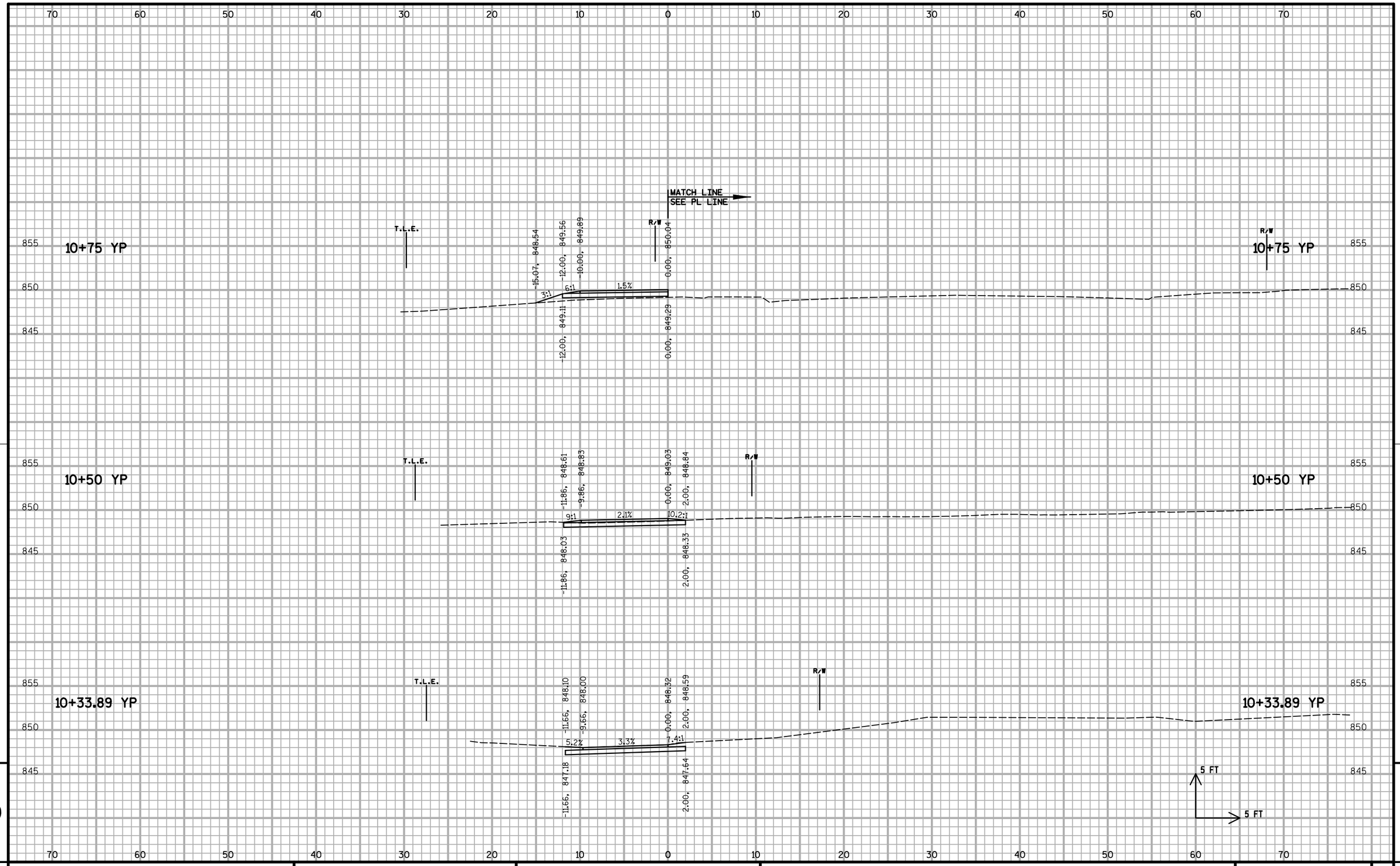


9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET 571	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090202_xs.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

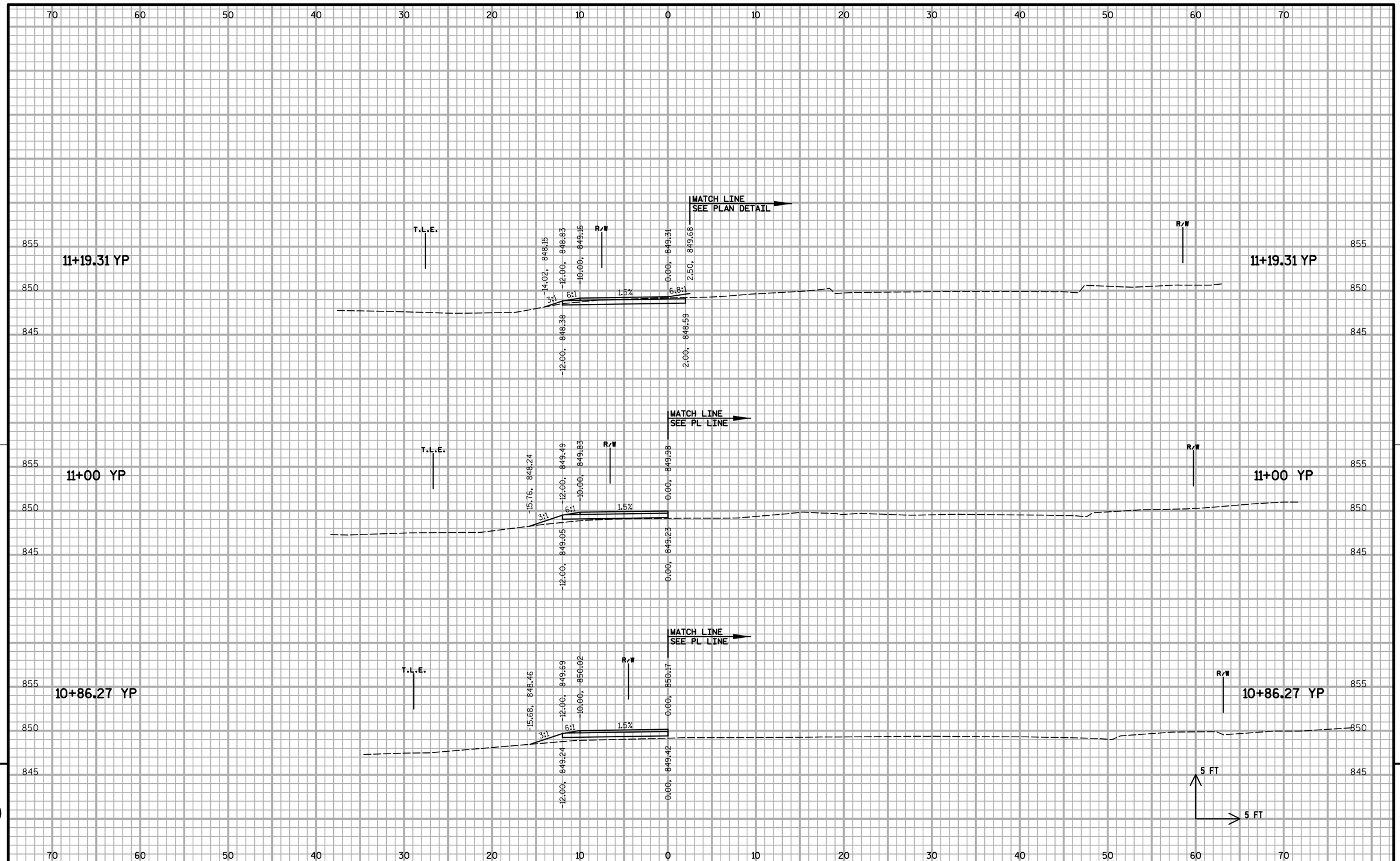


9

9

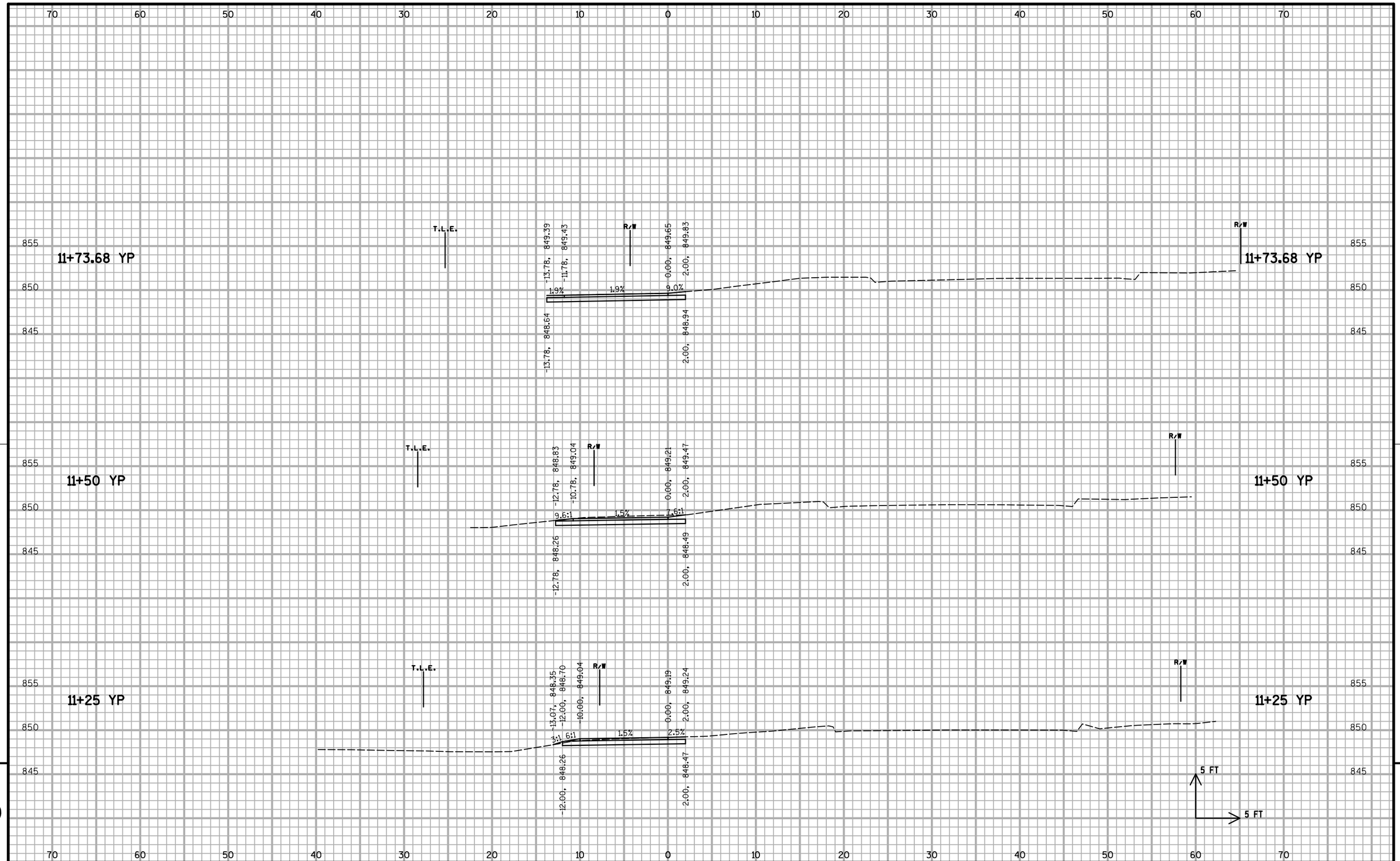
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - YP LINE	SHEET 572	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090203_xs_yp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - YP LINE	SHEET 573	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090203_xs_yp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

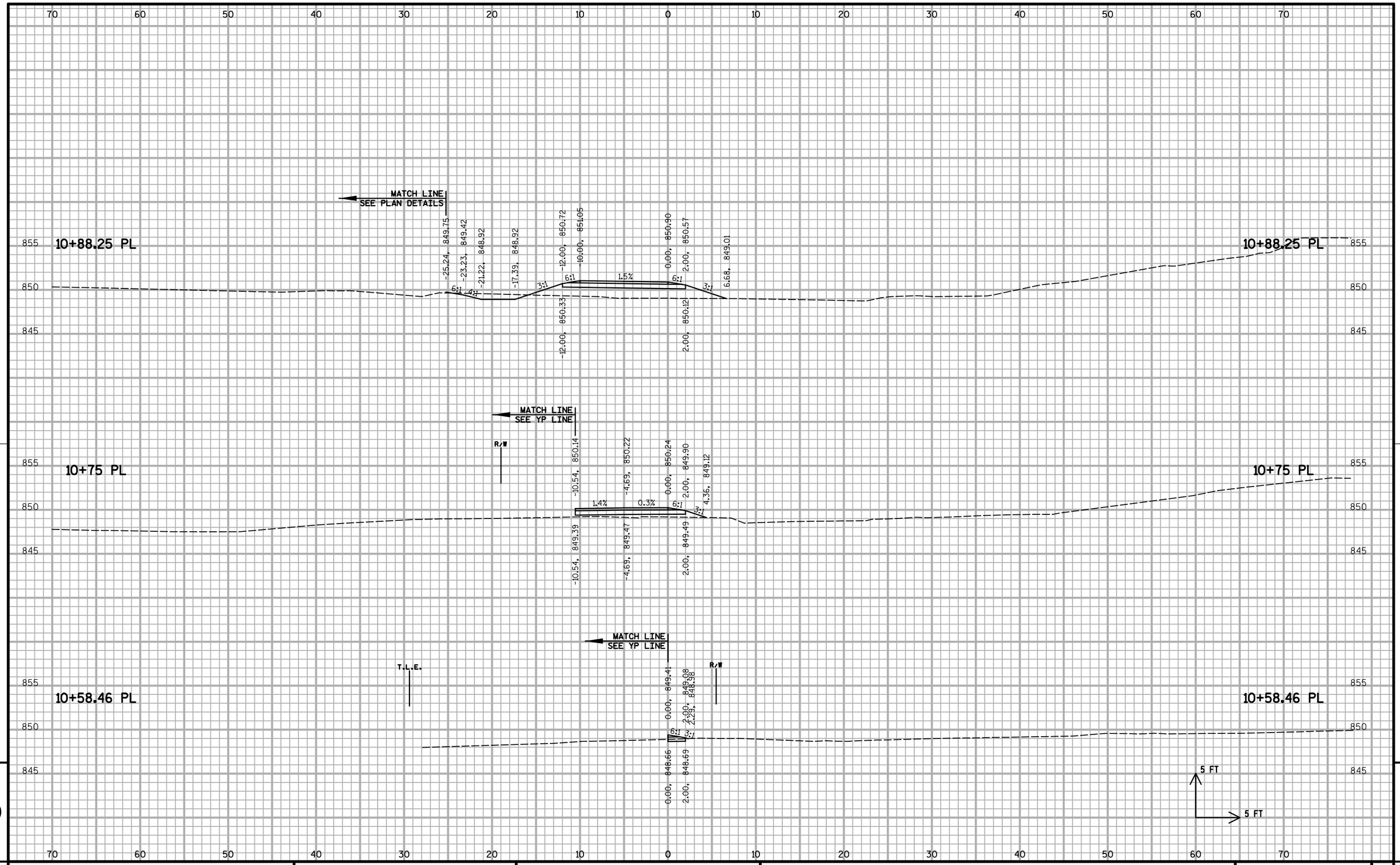


9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - YP LINE	SHEET 574	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090203_xs_yp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



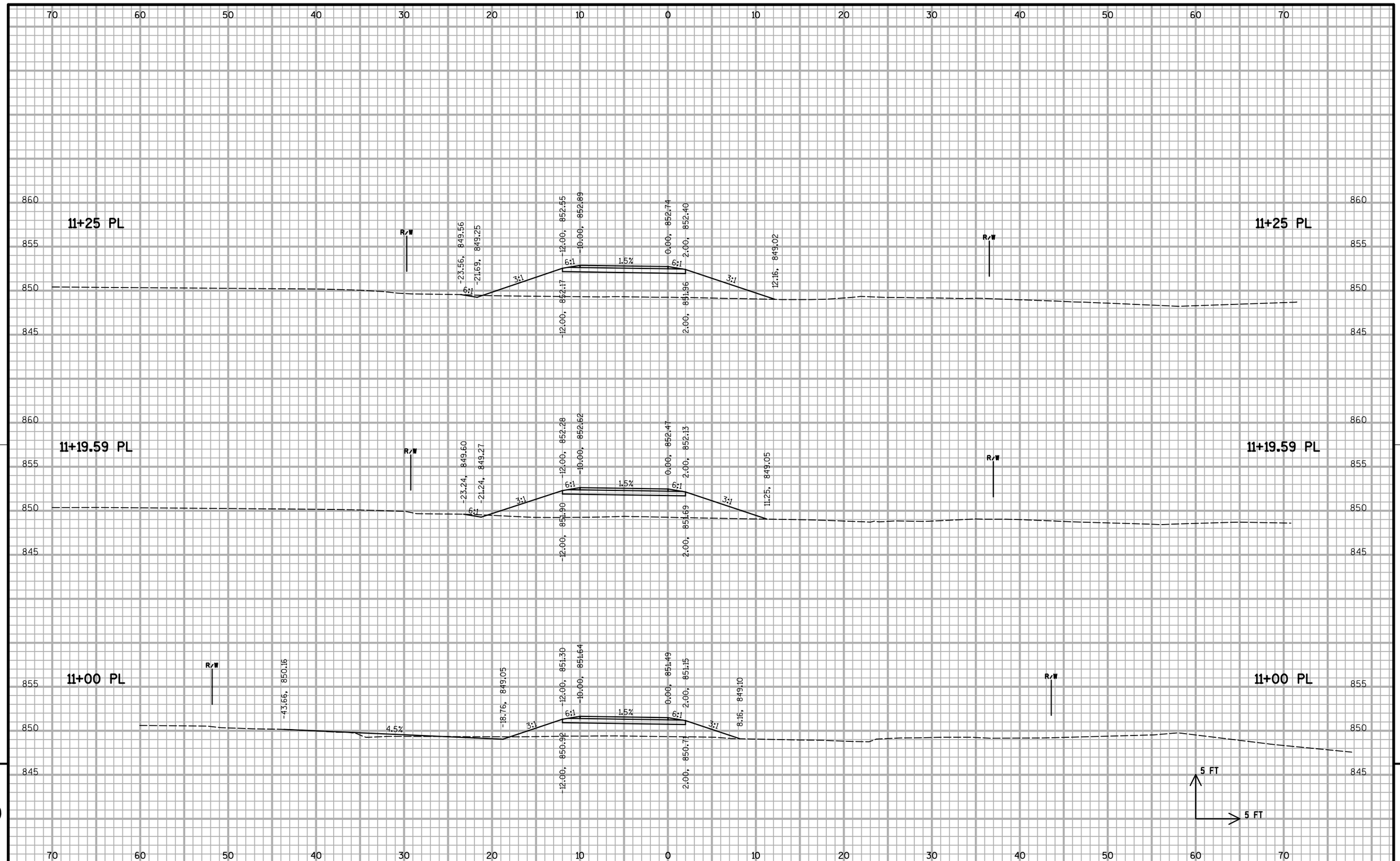
9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - PL LINE	SHEET 575	E

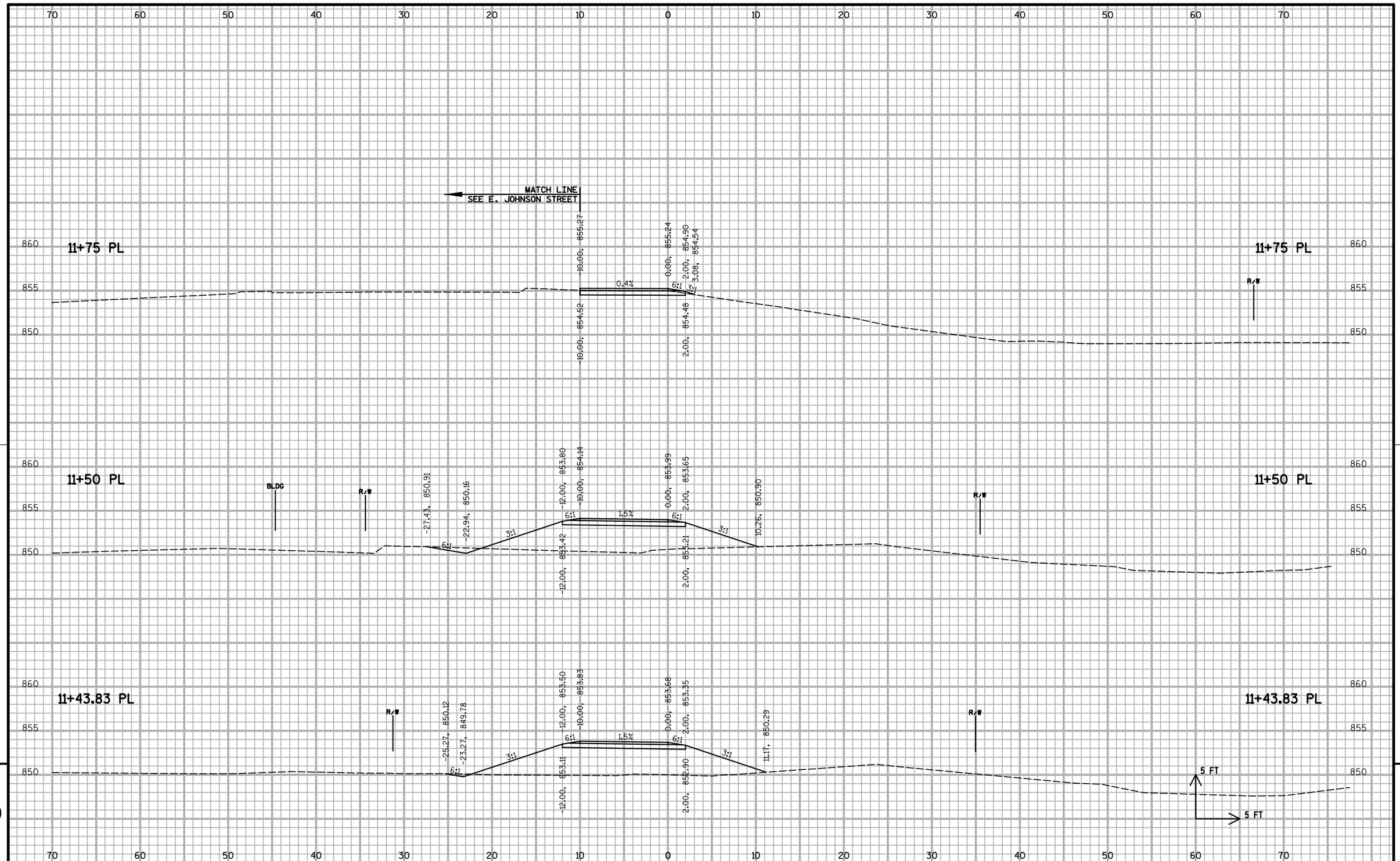
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090204_xs_pl.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - PL LINE	SHEET 576	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090204_xs_pl.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

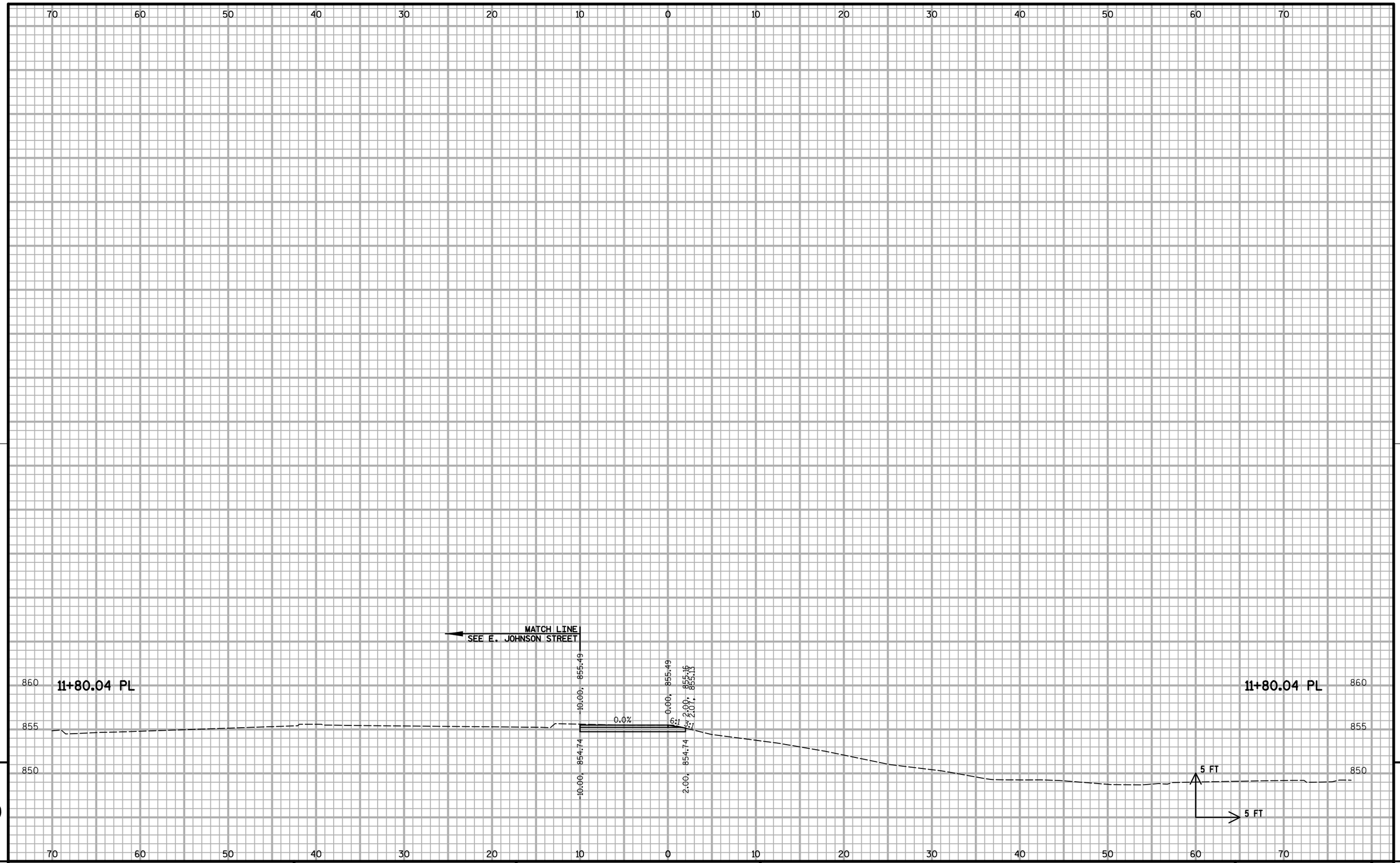


9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - PL LINE	SHEET 577	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090204_xs_pl.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - PL LINE	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090204_xs_pl.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov