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 =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

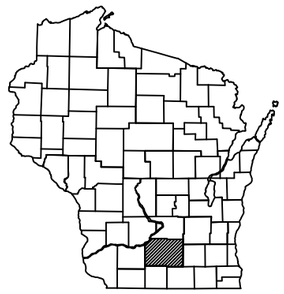
CITY OF MADISON, EAST JOHNSON STREET

(NORTH BALDWIN STREET TO FIRST STREET)

LOCAL STREET

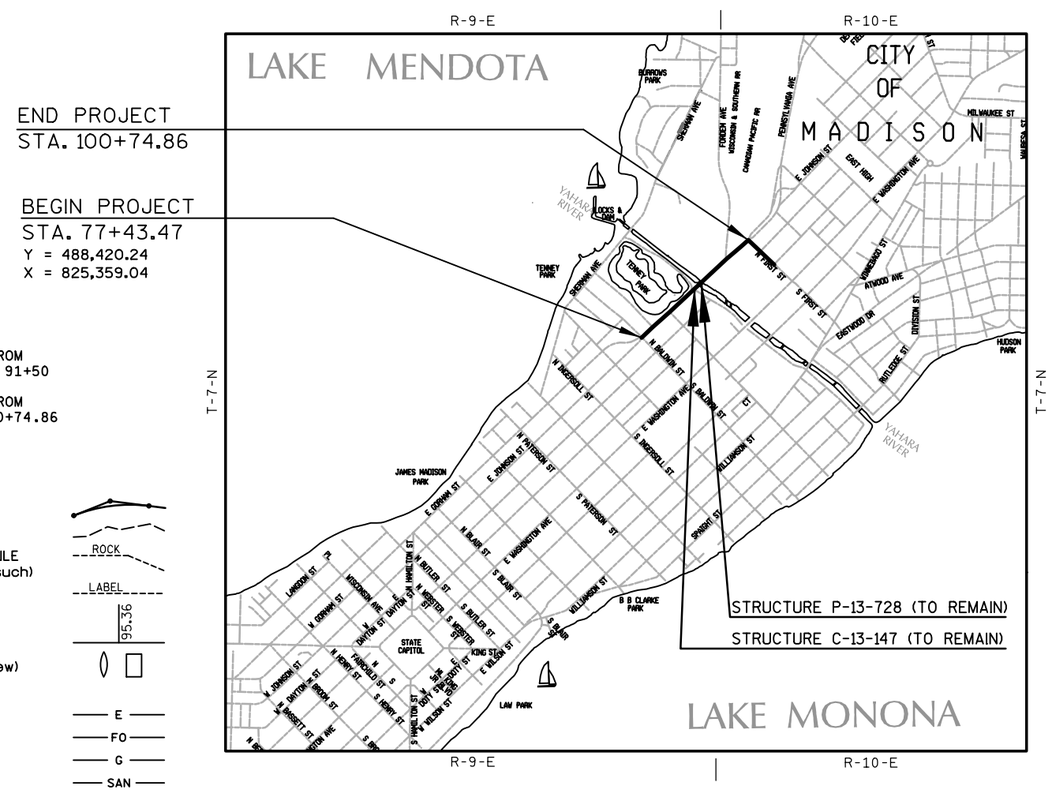
DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-09-14		
5992-09-15		
5992-09-16		



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

- CORPORATE LIMITS
- PROPERTY LINE (PL + 58.1)
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

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

STREET LIGHTING/TRAFFIC SIGNALS
DESIGNED BY: CITY OF MADISON

ACCEPTED FOR THE CITY OF MADISON

DATE:_____ _____
CITY ENGINEER

ORIGINAL PLANS PREPARED BY:

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

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:_____ _____
(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.

UTILITIES

ATC MANAGEMENT, INC. - ELECTRICITY
ATTENTION: DOUG VOSBERG
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527-9598
(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 LINE
ATTENTION: SCOTT SOKOLOWSKI
435 S. 95TH STREET
MILWAUKEE, WI 53214
(414) 258-5239
E-MAIL: ms4143@att.com

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

CENTURYLINK - COMMUNICATION LINE
ATTENTION: KYLE TOSTENSON
(318) 417-2768
kyle.tostenson@centurylink.com

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

CITY OF MADISON - COMMUNICATION
ATTENTION: BRIAN SMITH
30 W. MIFFLIN STREET
SUITE 900
MADISON, WI 53703
(608) 261-9625
E-MAIL: bsmith@cityofmadison.com

CITY OF MADISON - SANITARY SEWER
ATTENTION: MARK MODER
210 MARTIN LUTHER KING JR. BOULEVARD, 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
RICH PARKER: (608) 252-7379
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
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
(414) 349-2764
E-MAIL: cschmuki@midwestfibernetworks.com

ROGERS TELECOM - COMMUNICATION
ATTENTION: RICHARD AUSTRIA
E-MAIL: richard.austria@rci.rogers.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
E-MAIL: rfisher@tkns.net

VERIZON - COMMUNICATION
ATTENTION: JOE CHANEY, JR.
(312) 617-2131
E-MAIL: joe.chaney@verizon.com

WINDSTREAM - COMMUNICATION
ATTENTION: KEVIN PARRIS
(608) 416-3291
E-MAIL: kevin.j.parris@windstream.com

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.

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

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
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

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

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.

E. JOHNSON ST.

N. DICKINSON ST.

75+00

80+00

85+00

90+00

95+00

100+00

105+

C-13-147
(TO REMAIN)

YAHARA RIVER

8+00 YP

'PL' LINE

'YP' LINE

P-13-728
(TO REMAIN)

N. THORNTON AVE.

FORDEM AVE.

15+00 FO

WISCONSIN & SOUTHERN RAILROAD

CANADIAN PACIFIC

S-13-359

STH 113

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

E. DAYTON ST.

E. MIFFLIN ST.

USH 151 (E. WASHINGTON AVE.)

END CONSTRUCTION
STA. 11+39.02 FO

END PROJECT
STA. 100+74.86

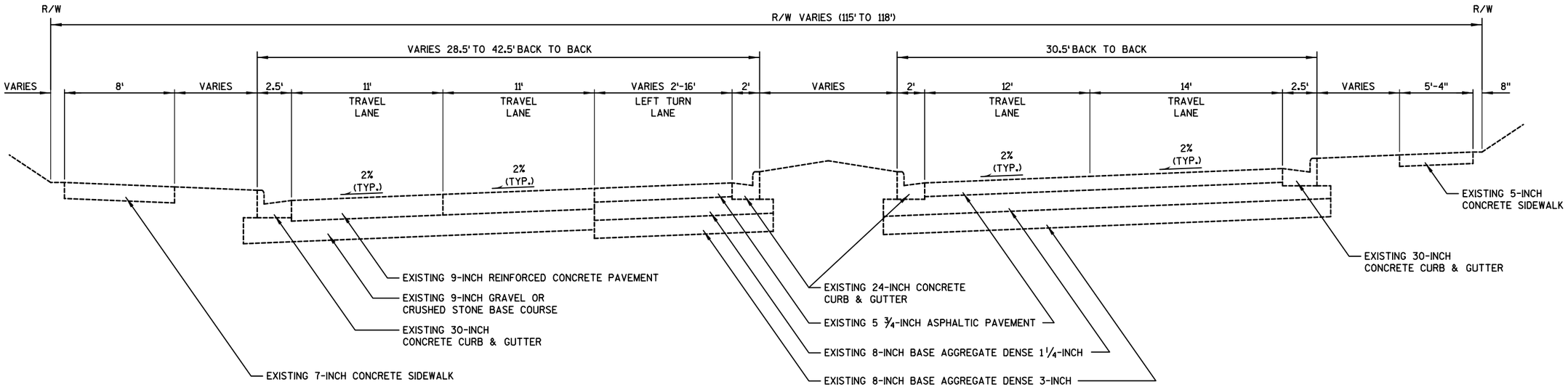
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STA. 104+90.38

BEGIN PROJECT
STA. 77+43.47

BEGIN CONSTRUCTION
STA. 74+97.07

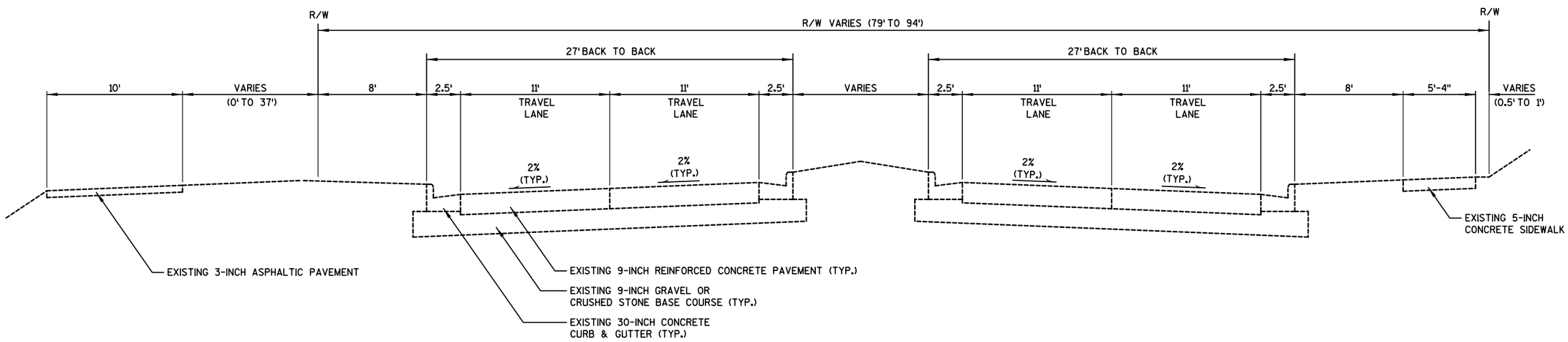
END CONSTRUCTION
STA. 16+06.55 FI

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



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

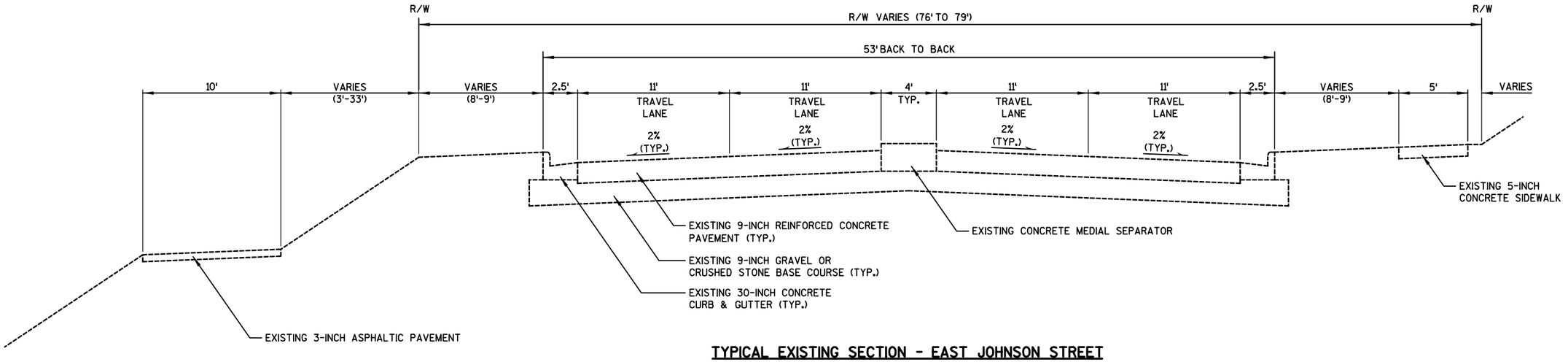
STA. 74+97 - STA. 77+44



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

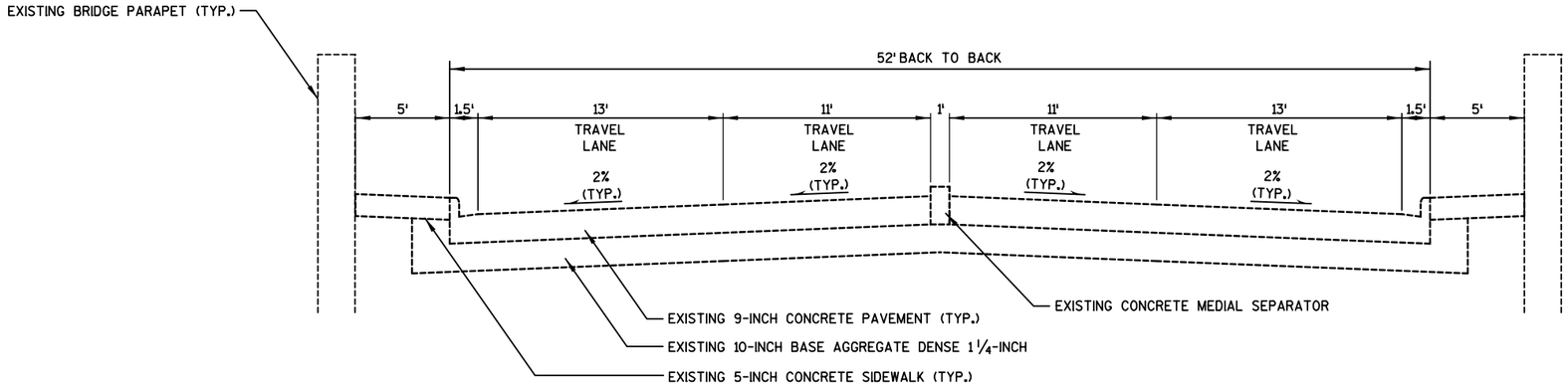
STA. 77+44 - STA. 81+11

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



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

STA. 81+11 - STA. 87+90

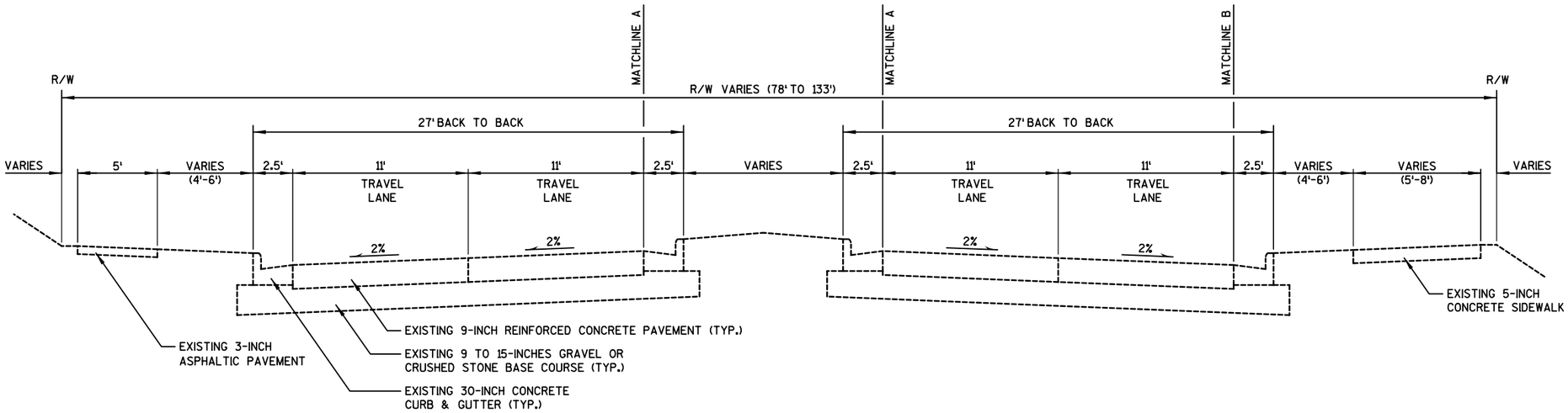


TYPICAL EXISTING SECTION - EAST JOHNSON STREET

STA. 87+90 - STA. 89+75

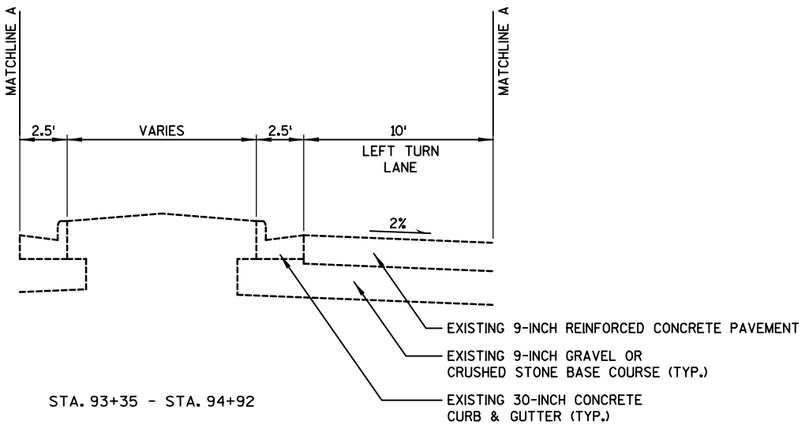
(YAHARA RIVER BRIDGE, P-13-728)

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

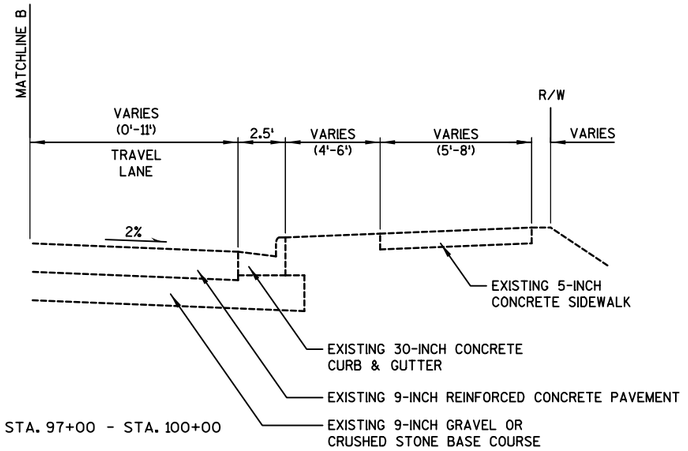


TYPICAL EXISTING SECTION - EAST JOHNSON STREET

STA. 89+75 - STA. 100+00

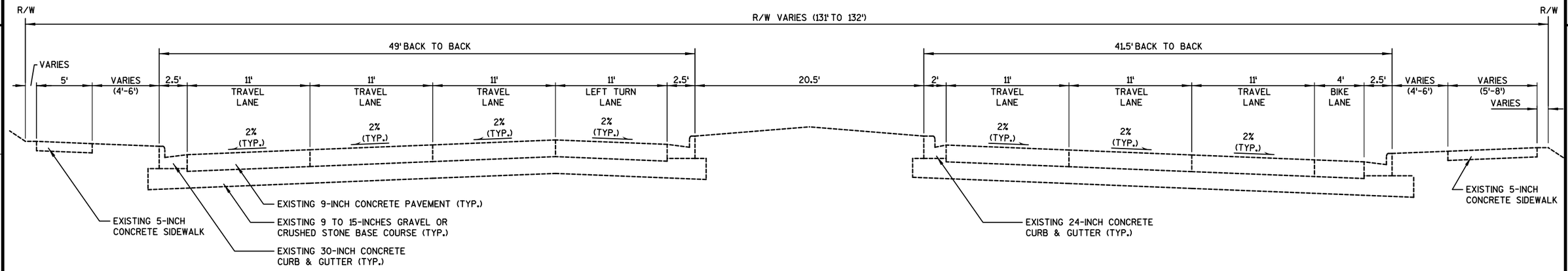


STA. 93+35 - STA. 94+92



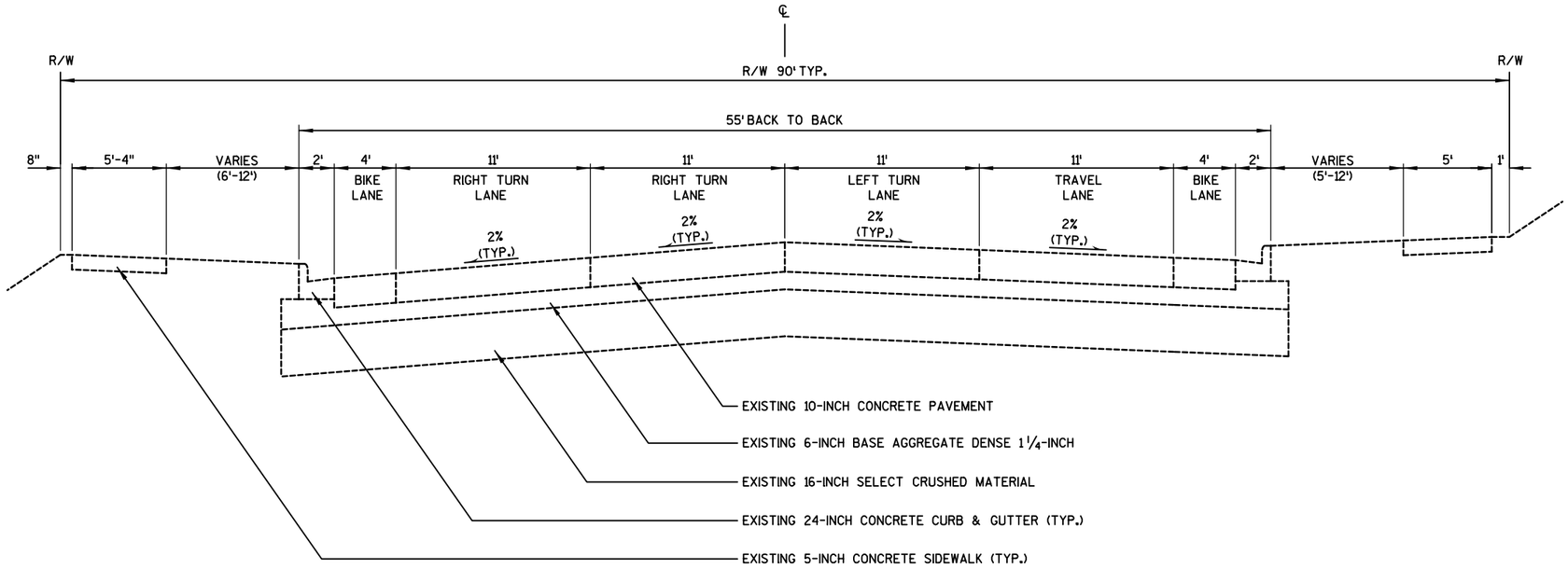
STA. 97+00 - STA. 100+00

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



TYPICAL EXISTING SECTION - EAST JOHNSON STREET

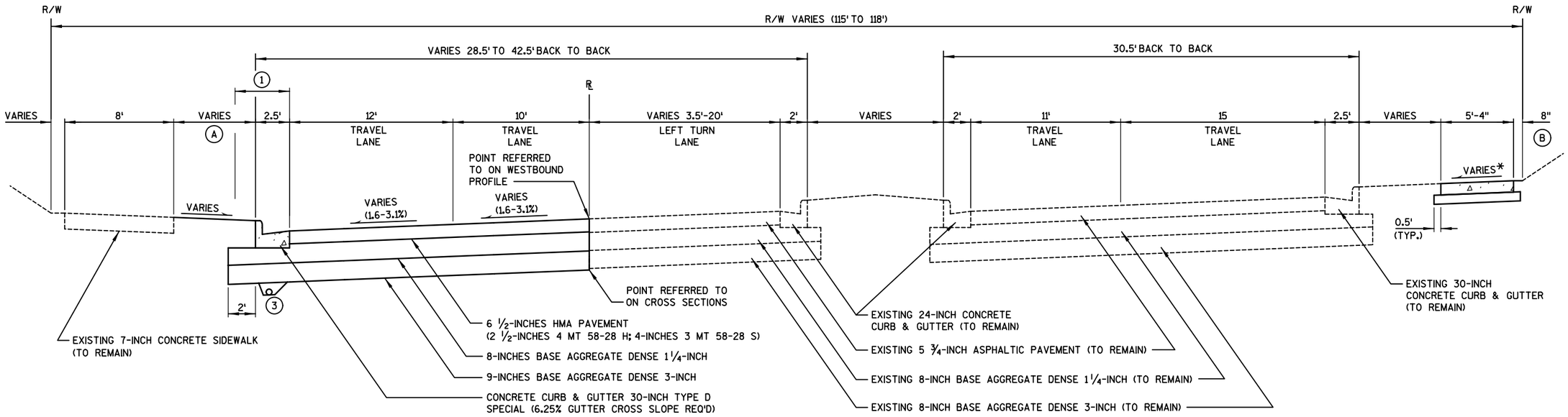
STA. 100+00 - STA. 104+90



TYPICAL EXISTING SECTION - STH 113 (FIRST STREET)

STA. 10+80 - STA. 16+07

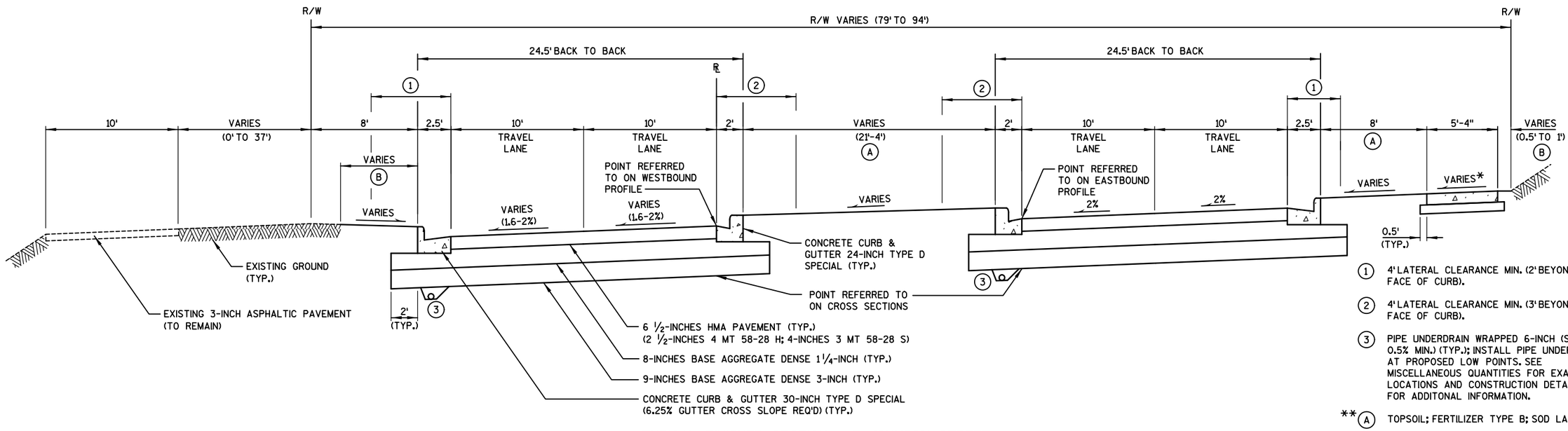
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET	E



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).

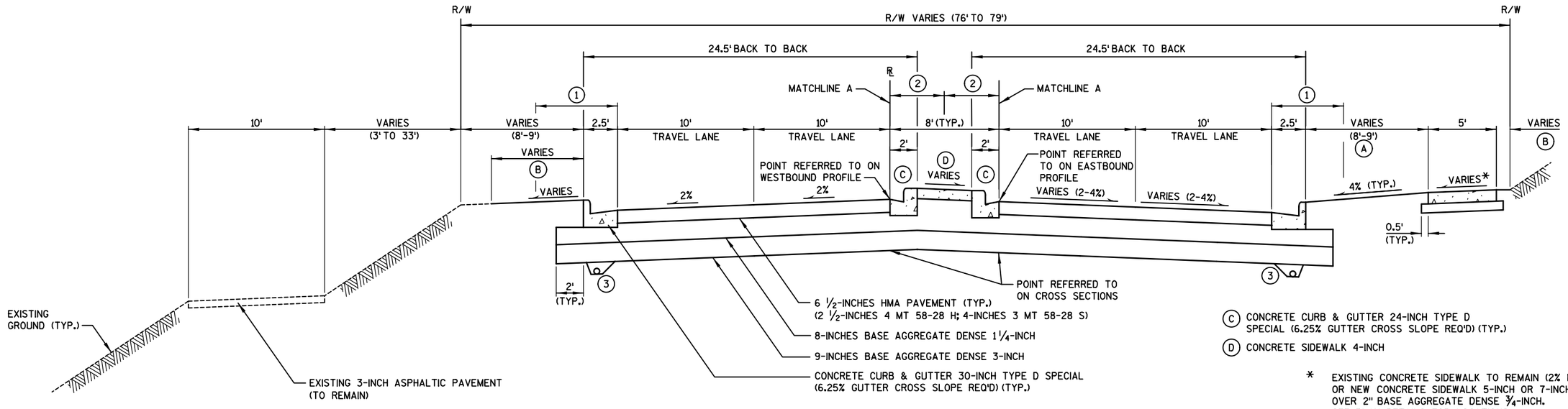
(2) 4' LATERAL CLEARANCE MIN. (3' BEYOND FACE OF CURB).

(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.

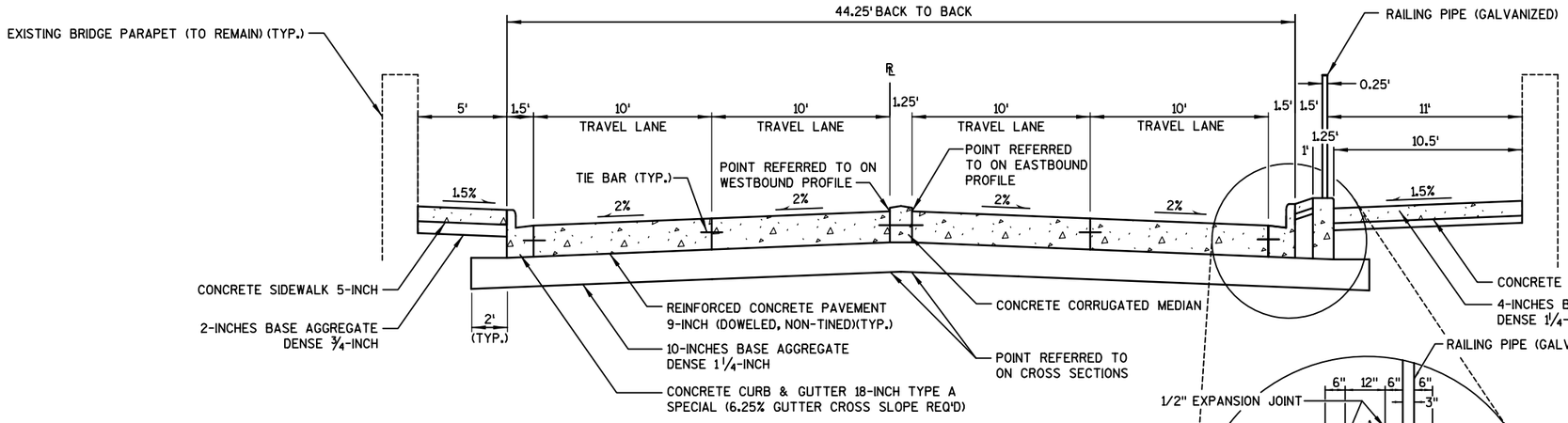
**(B) TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

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



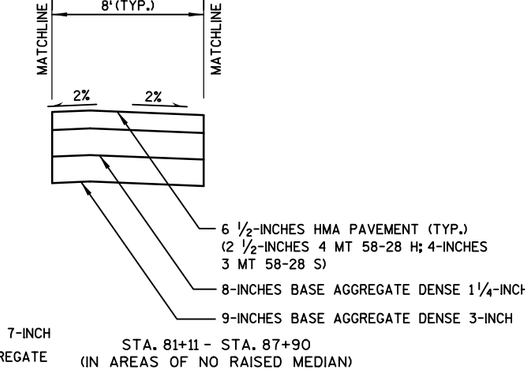
TYPICAL FINISHED SECTION - E. JOHNSON STREET

STA. 81+11 - STA. 87+90



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)



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

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

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

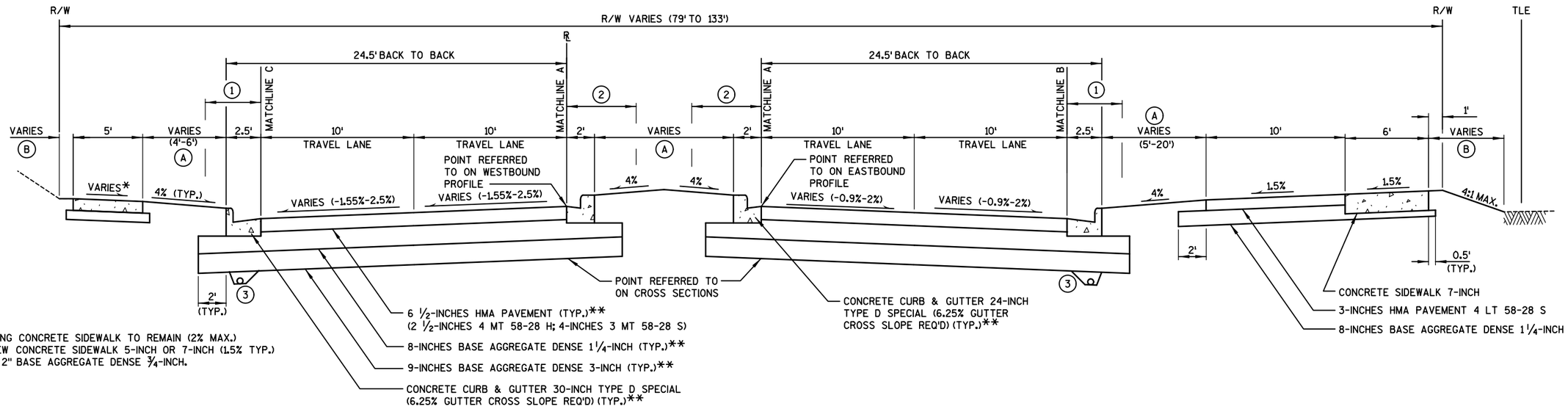
(3) PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITONAL INFORMATION.

** (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.

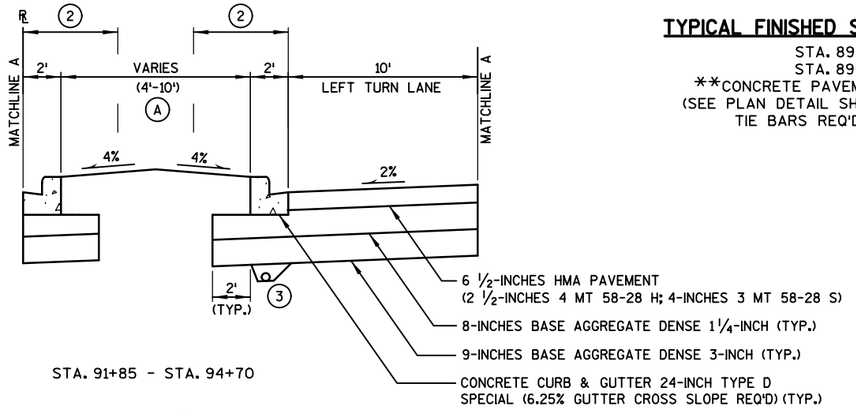
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TYPICAL SECTIONS	SHEET	E



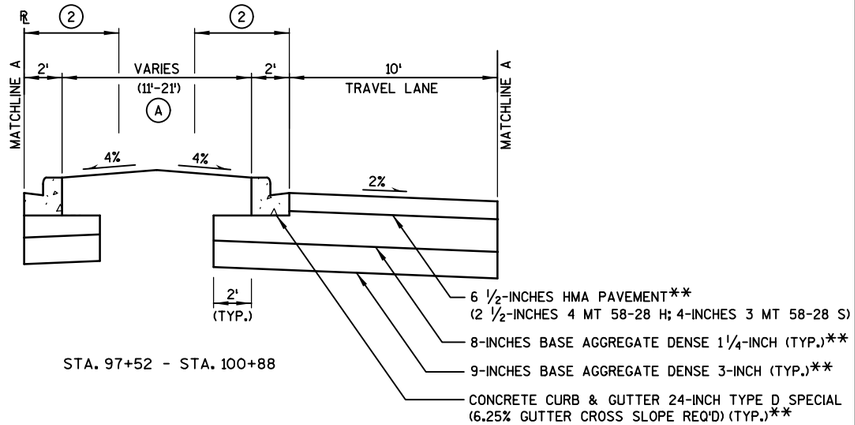
* EXISTING CONCRETE SIDEWALK TO REMAIN (2% MAX.) OR NEW CONCRETE SIDEWALK 5-INCH OR 7-INCH (1.5% TYP.) OVER 2" BASE AGGREGATE DENSE 3/4-INCH.

TYPICAL FINISHED SECTION - E. JOHNSON STREET

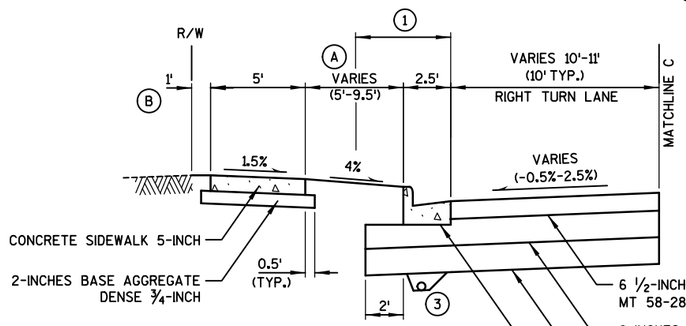
STA. 89+75 - STA. 100+75 LT
STA. 89+75 - STA. 100+88 RT
CONCRETE PAVEMENT BEGINNING AT STA. 99+42
(SEE PLAN DETAIL SHEETS FOR ADDITIONAL INFORMATION; TIE BARS REQ'D WHEN CONCRETE PAVEMENT)



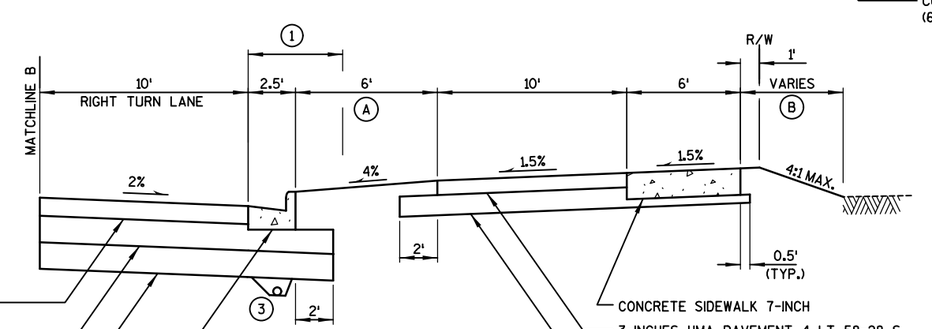
STA. 91+85 - STA. 94+70



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).

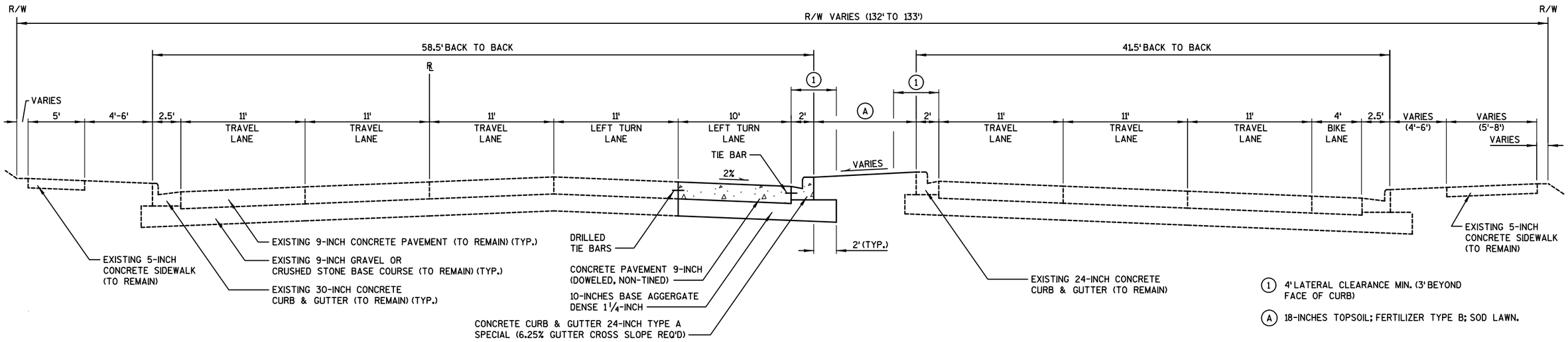
(3) PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITONAL INFORMATION.

**(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	E

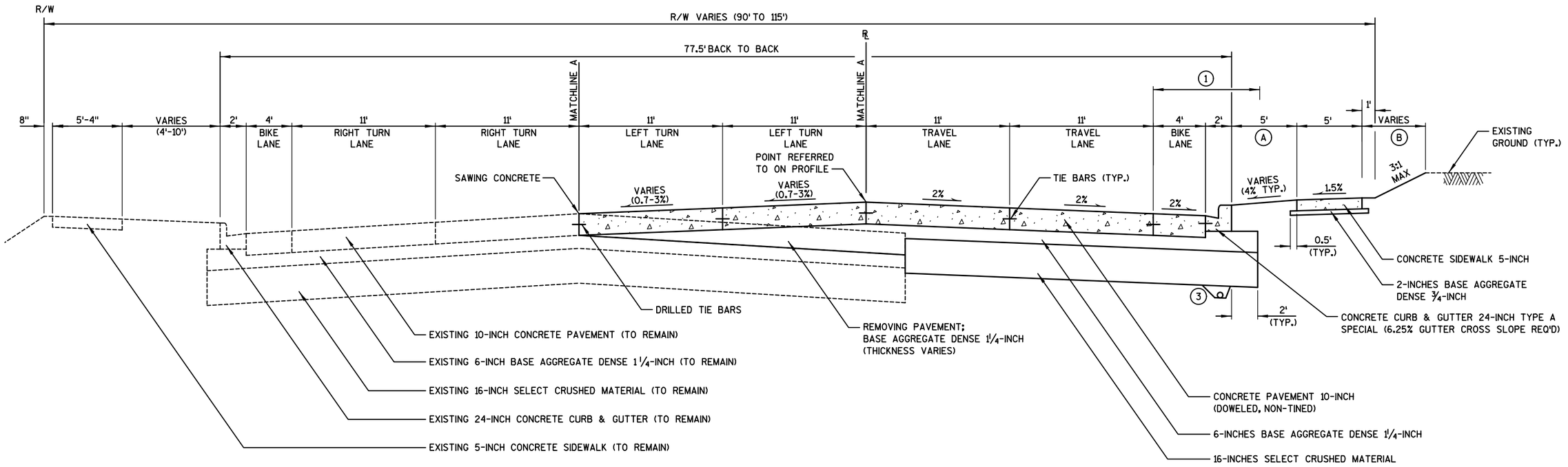
2



TYPICAL FINISHED SECTION - EAST JOHNSON STREET (STH 113)

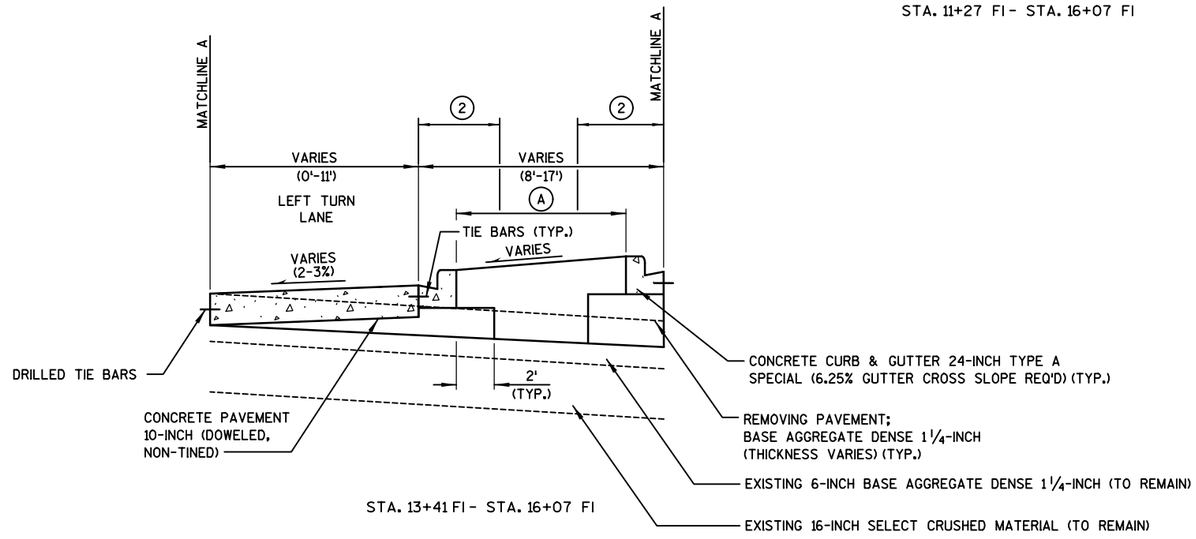
STA. 100+75 - STA. 104+90 LT

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



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.

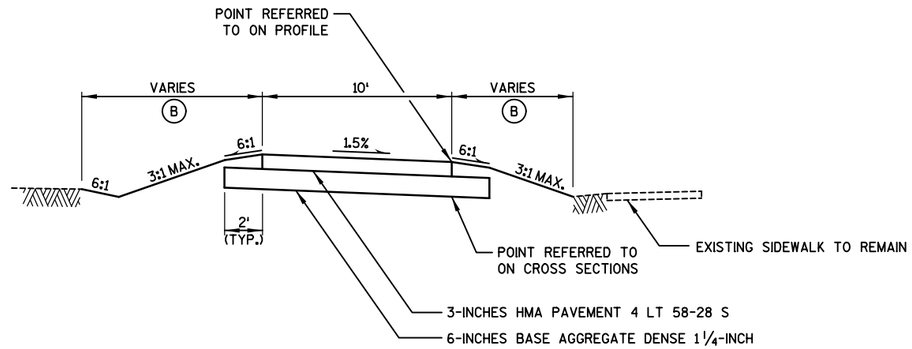
** Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN.

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

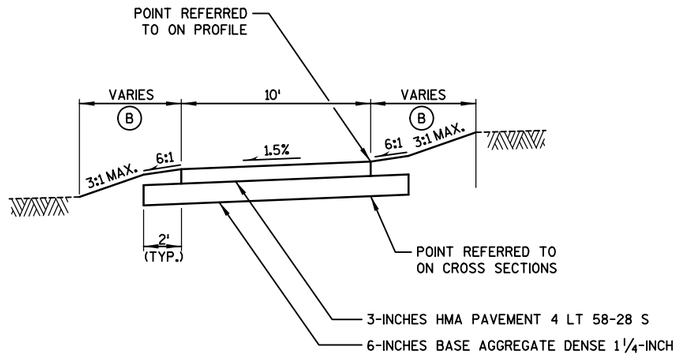
** 18-INCHES TOPSOIL IN MEDIANS, 4-INCHES ELSEWHERE.

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

2



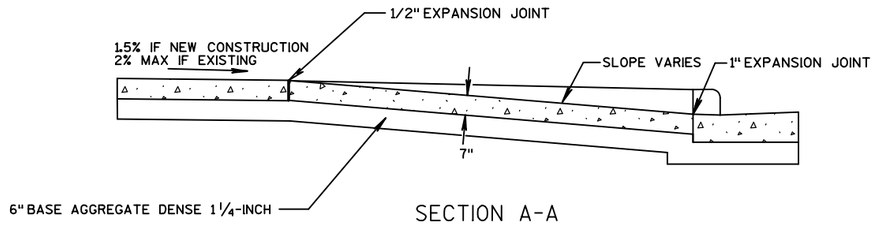
TYPICAL FINISHED SECTION - PL LINE



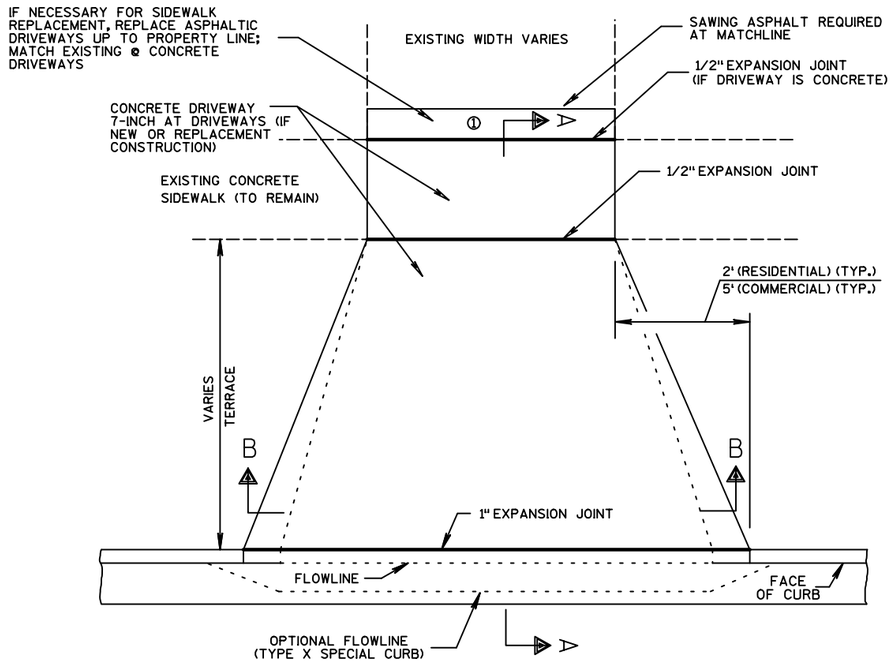
TYPICAL FINISHED SECTION - YP LINE

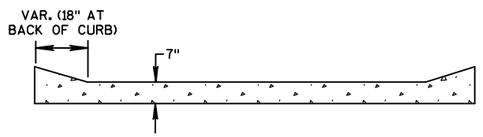
(B) TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

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



SECTION A-A



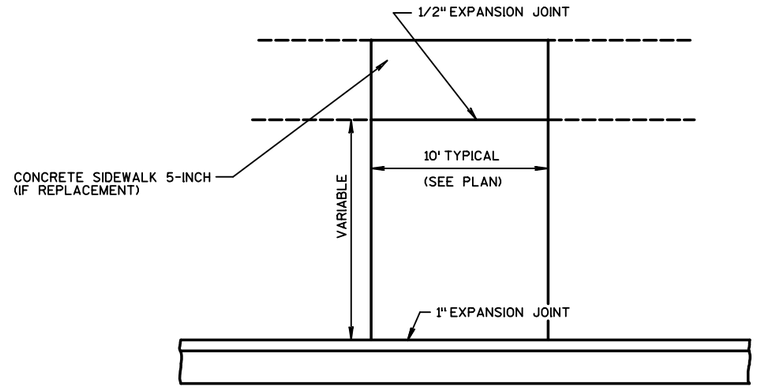


SECTION B-B

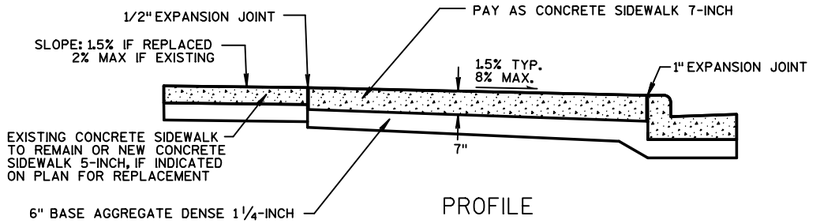
① FOR ASPHALT DRIVEWAYS PLACE 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

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

CONCRETE DRIVE APRON DETAIL

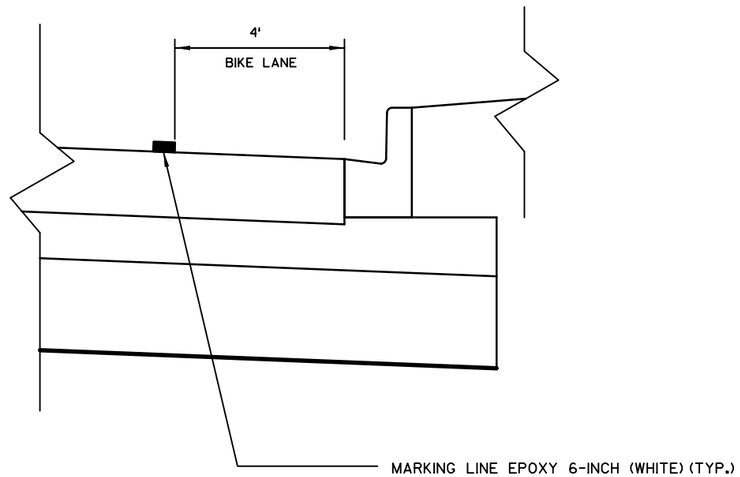


PLAN



PROFILE

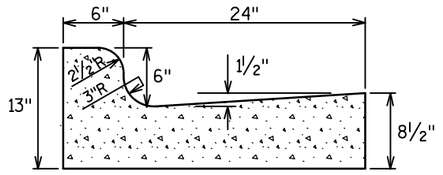
BUS BOARDING PAD DETAIL



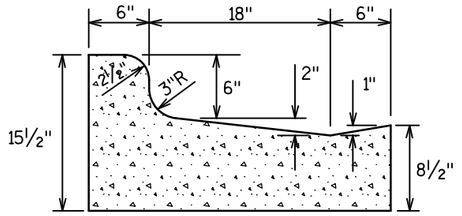
NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
SEE S.D.D "BICYCLE LANE MARKING" FOR ADDITIONAL INFORMATION.

FIRST STREET BIKE LANE PAVEMENT MARKING LOCATION

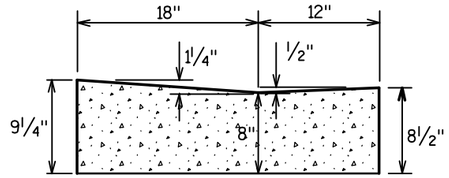
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



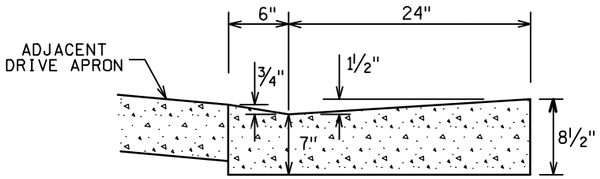
CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL
(CITY OF MADISON TYPE 'A' CURB & GUTTER)



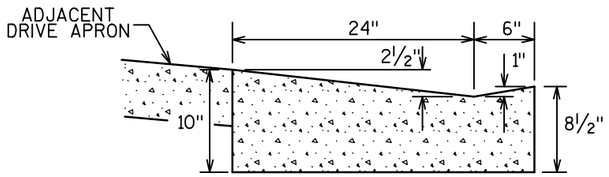
CONCRETE CURB & GUTTER 30-INCH TYPE AX AND TYPE DX SPECIAL
(CITY OF MADISON TYPE 'X' CURB & GUTTER)



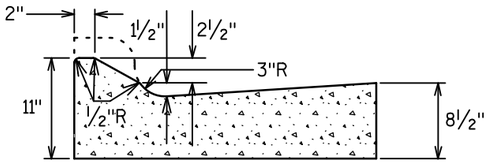
PEDESTRIAN RAMP SECTION
CONCRETE CURB & GUTTER 30-INCH TYPE AX AND TYPE DX SPECIAL
(CITY OF MADISON TYPE 'X' CURB & GUTTER)



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:

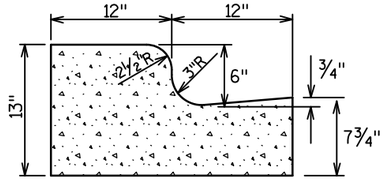
PLACE LATERAL CONTRACTION JOINTS AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

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.

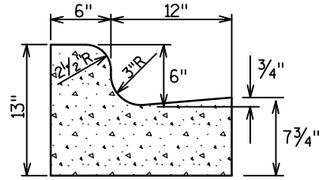
IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED BASE AGGREGATE DENSE.

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.

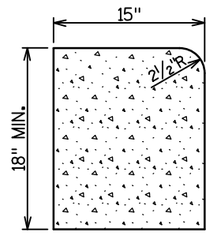
TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A AND AX.



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



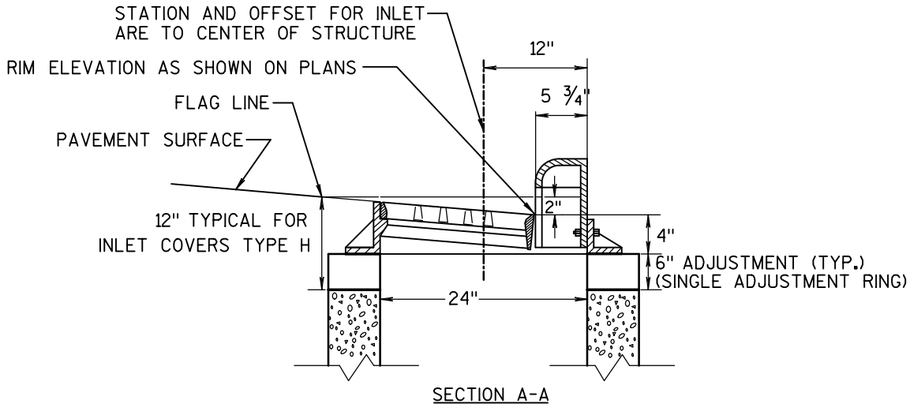
CONCRETE CURB & GUTTER 18-INCH TYPE A SPECIAL
(CITY OF MADISON TYPE 'H' CURB & GUTTER)



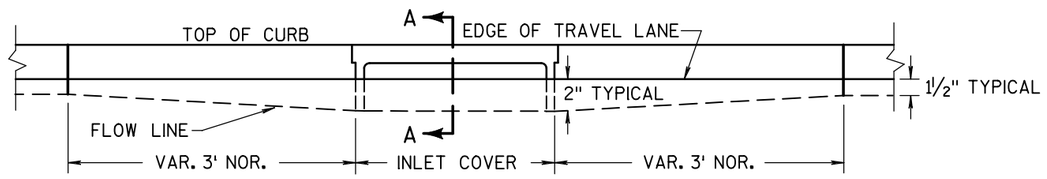
CONCRETE CURB TYPE A SPECIAL

CONCRETE CURB AND CONCRETE CURB & GUTTER DETAILS

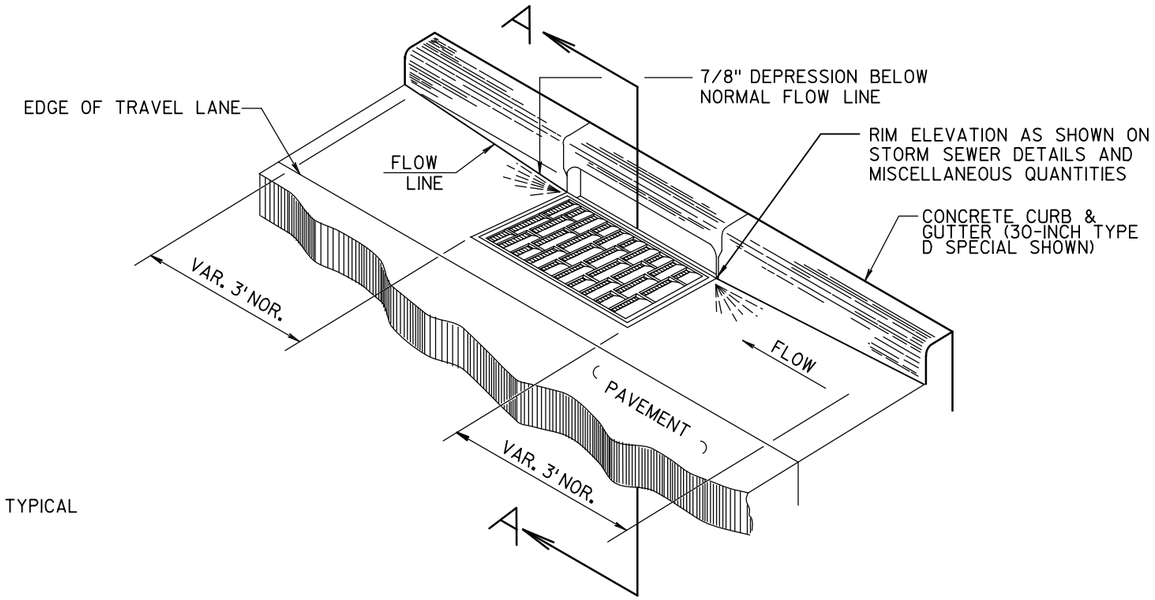
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



SECTION A-A

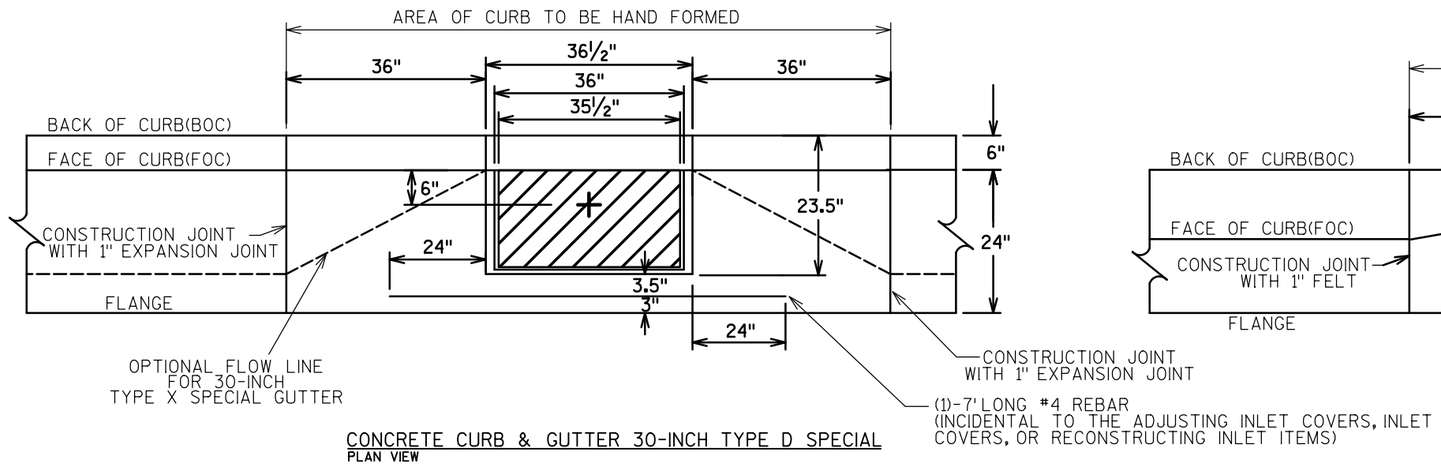


ELEVATION

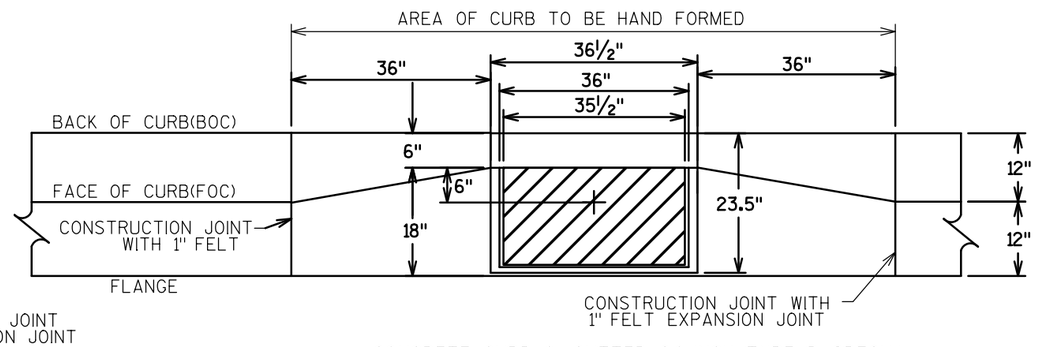


CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL AT INLET DETAIL

\+ = CENTER OF STRUCTURE (STATION AND OFFSET AS INDICATED ON THE STORM SEWER PLANS)



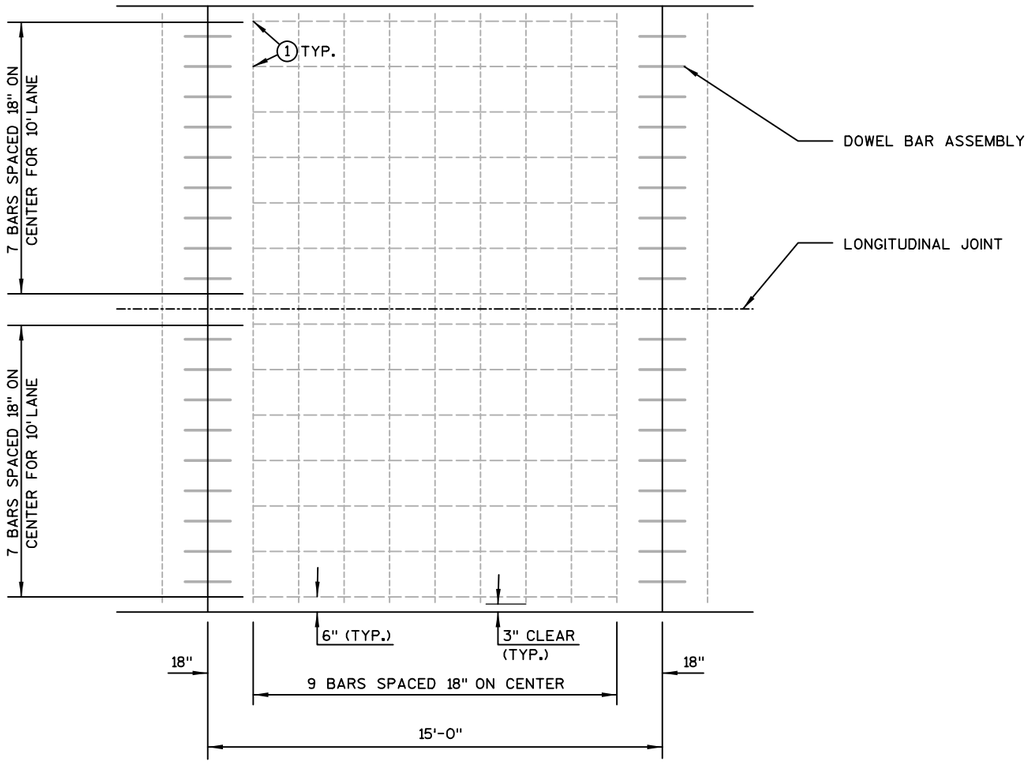
CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
PLAN VIEW



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	E



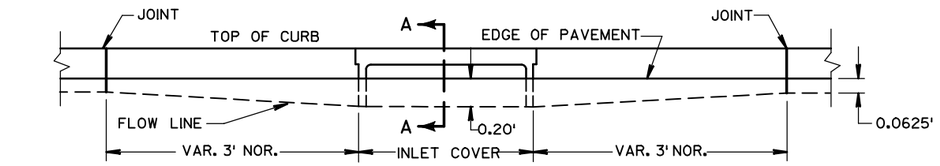
NOTES:

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

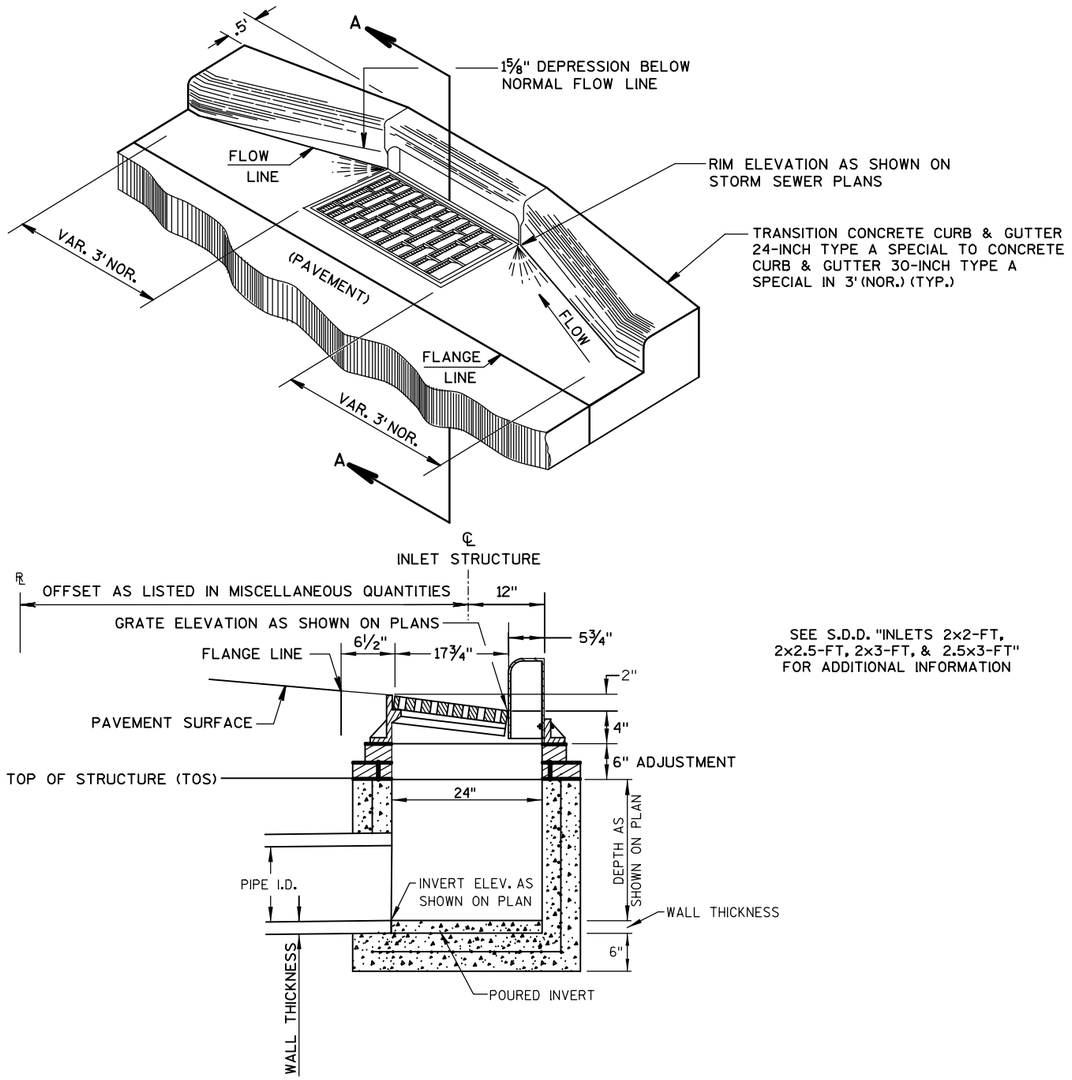
   ALL BAR STEEL REINFORCEMENT SHOWN SHALL BE COATED NO. 5 BARS AND SET 3" CLEAR FROM TOP SURFACE OF PAVEMENT TO TOP OF BAR STEEL

BAR STEEL REINFORCEMENT FOR REINFORCED CONCRETE PAVEMENT 9-INCH

STA. 88+38 - STA. 89+66



ELEVATION

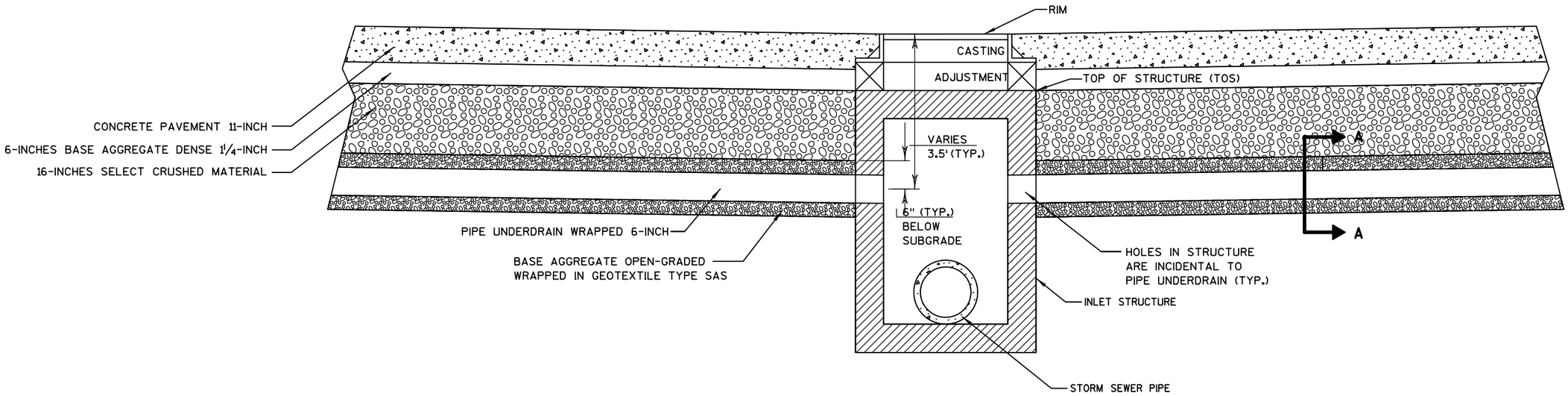


SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

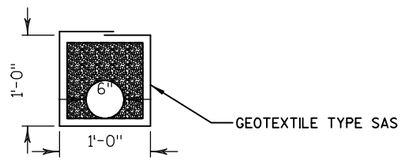
SECTION A-A
(INLETS 2X3-FT - H SHOWN)

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

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

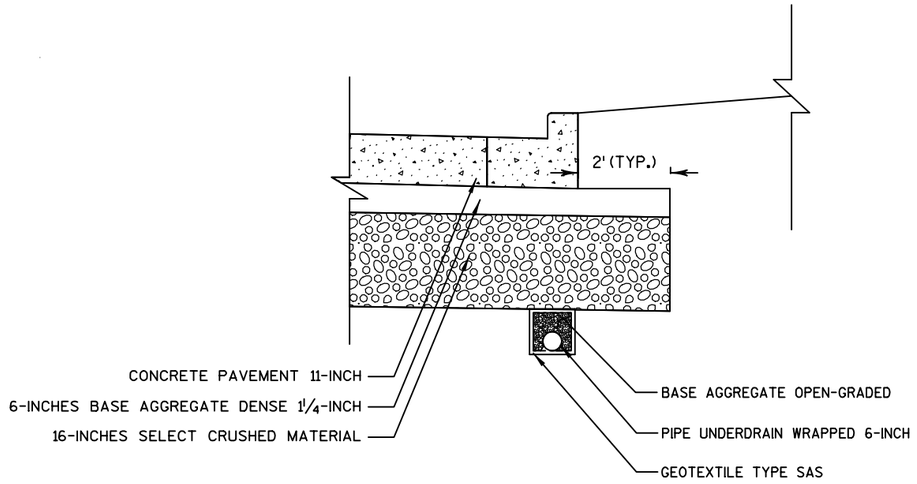


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE PROFILE VIEW



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.

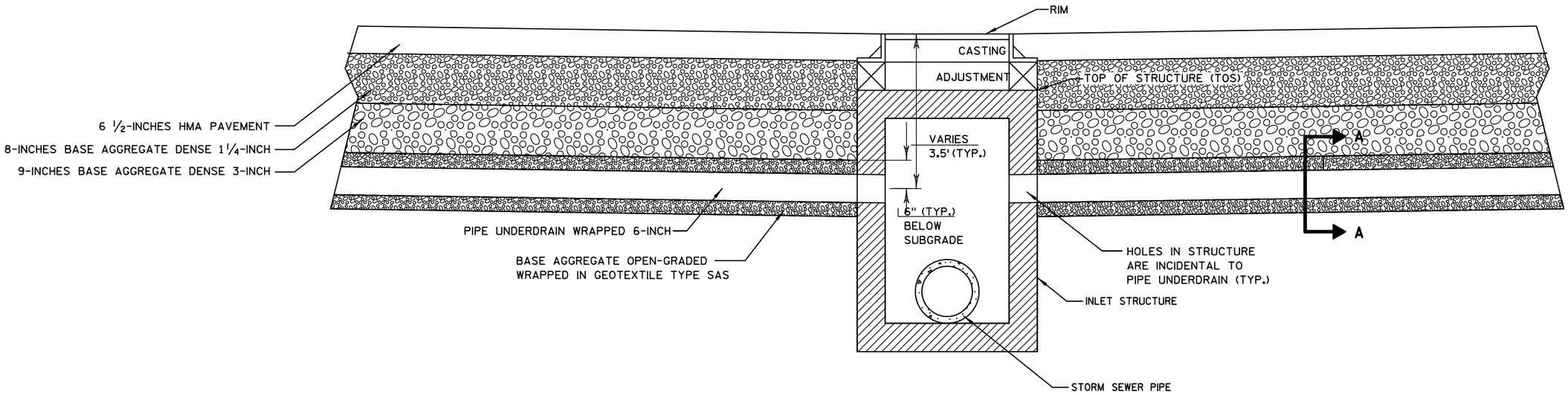


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE CROSS SECTION

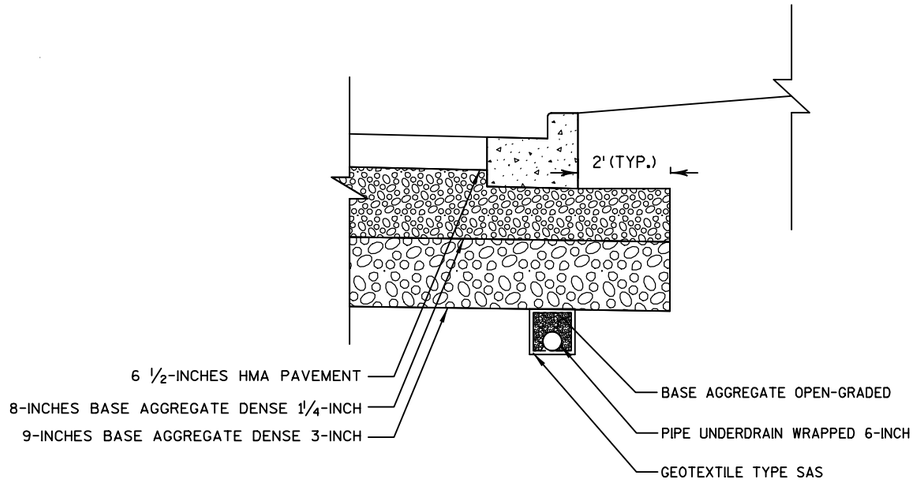
PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE DETAIL
CONCRETE PAVEMENT LOCATIONS

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

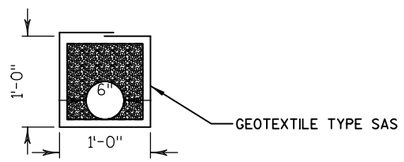
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



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



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



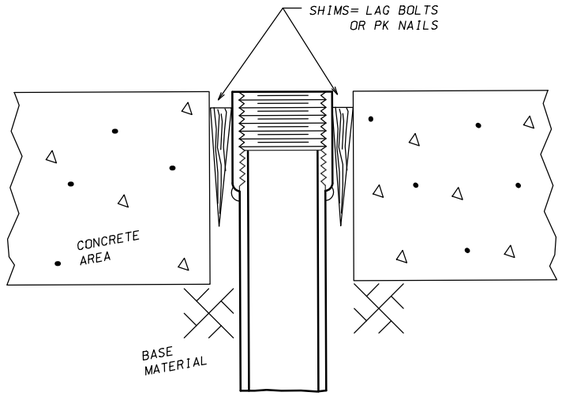
SECTION A-A

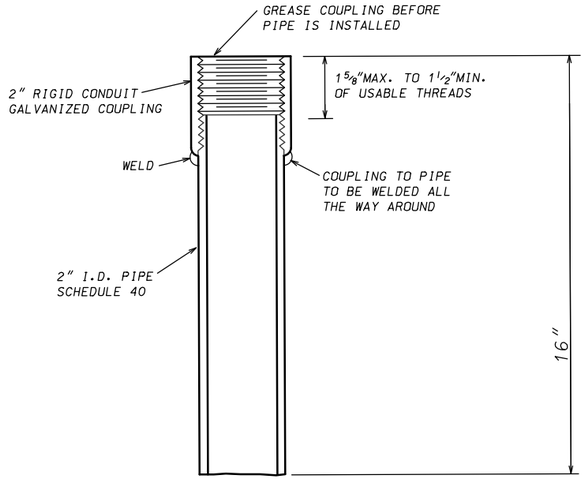
PIPE UNDERDRAIN WRAPPED 6-INCH ENCLOSED IN A
1'-0" X 1'-0" AREA OF BASE AGGREGATE
OPEN-GRADED WRAPPED IN GEOTEXTILE TYPE SAS.

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

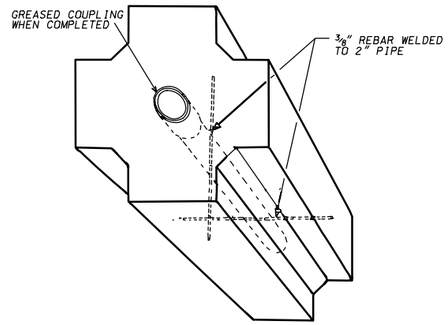
NOTES:
PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

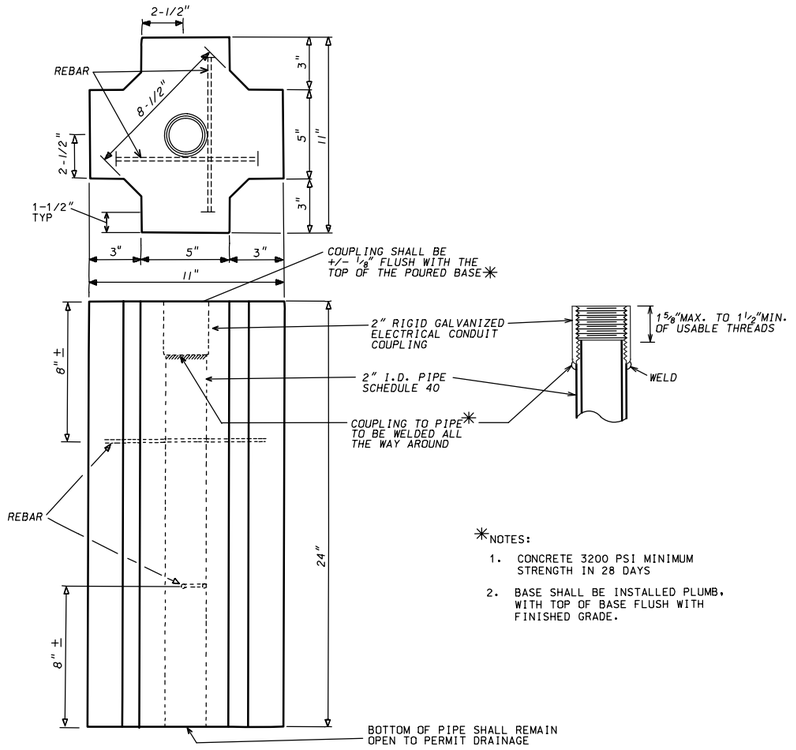
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E





SIGN POST BASE WITHIN CONCRETE INSTALLATION DETAIL

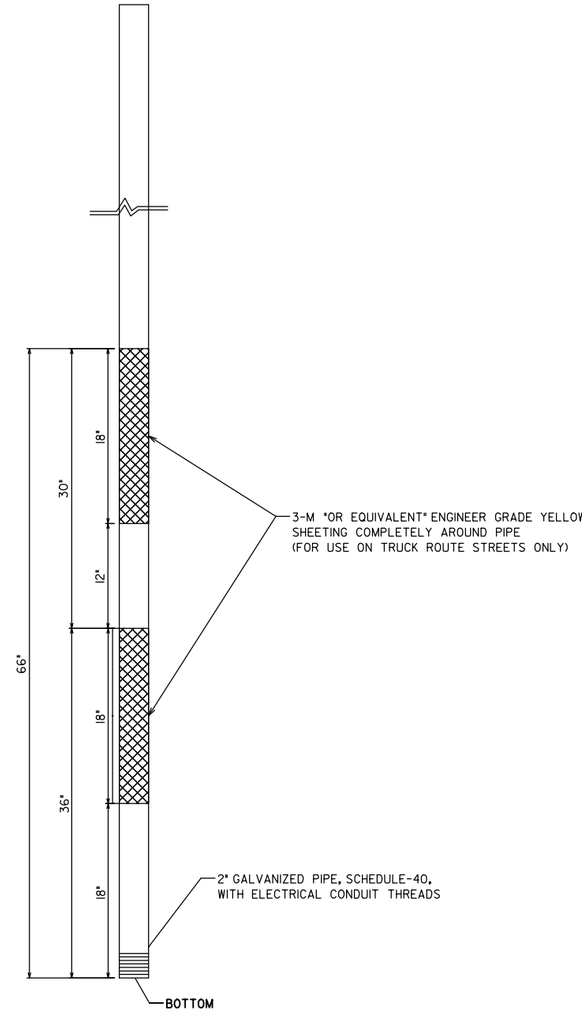




NOTES:

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

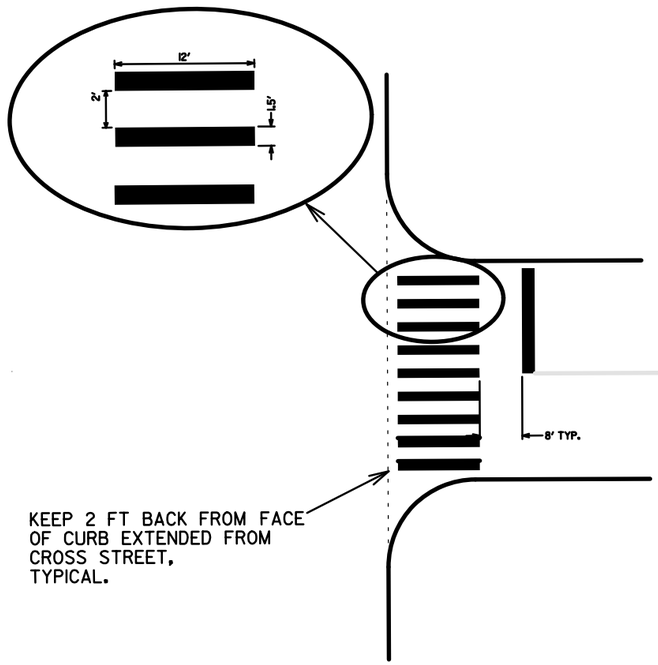
CONTINENTAL CROSSWALKS

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.

PAY CONTINENTAL CROSSWALKS AS "CROSSWALK 18-INCH"

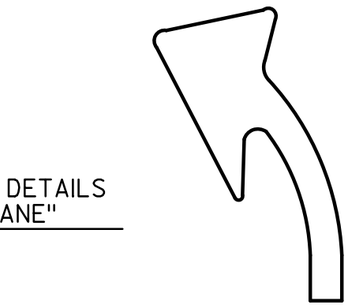


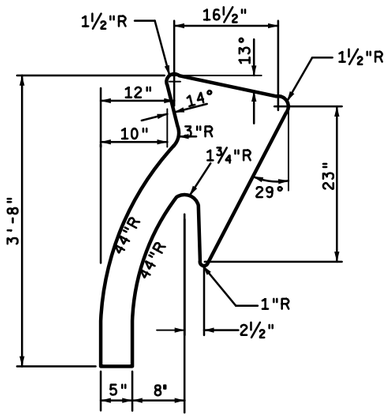
CONTINENTAL CROSSWALK DETAIL

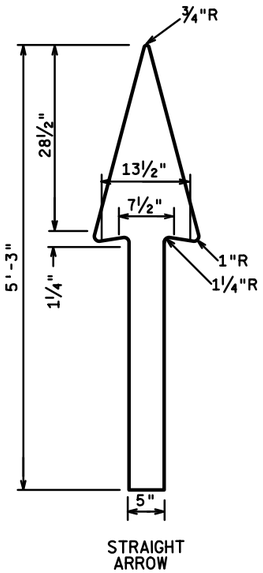
NOT TO SCALE

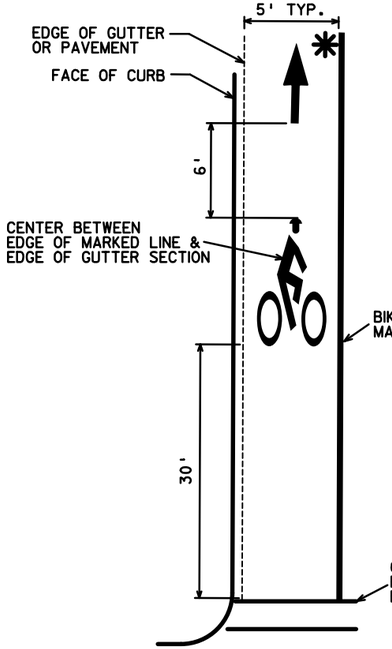
PAVEMENT MARKING DETAILS "ARROWS BIKE LANE"

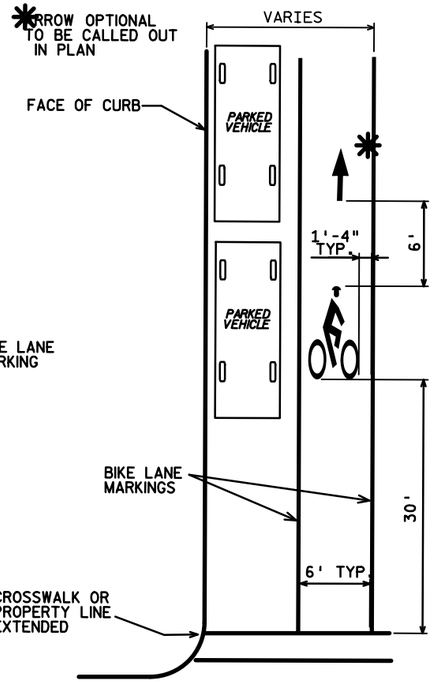
NOT TO SCALE









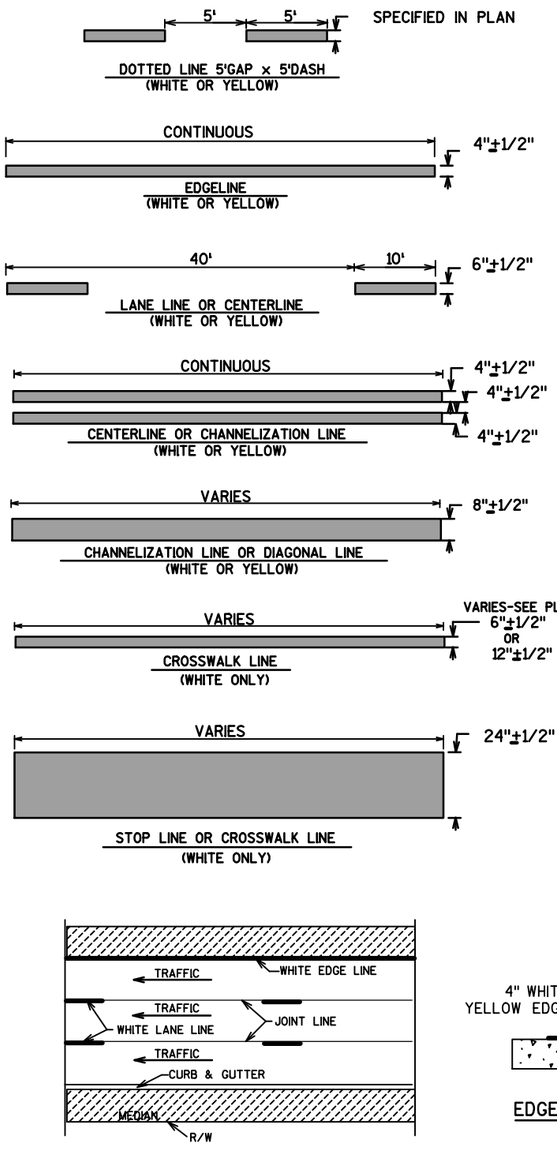


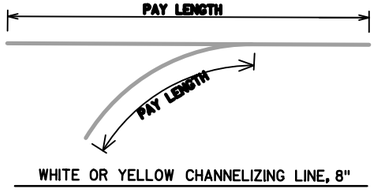
BIKE LANE SYMBOL PAVEMENT MARKING DETAILS

NOT TO SCALE

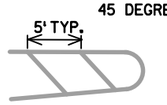
2

PERMANENT PAVEMENT MARKINGS



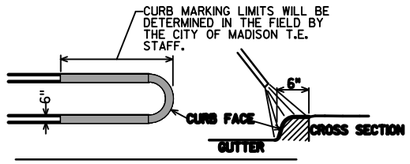


WHITE OR YELLOW CHANNELIZING LINE, 8"

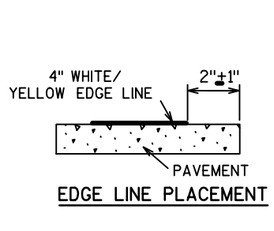


8" DIAGONAL LINES AT
45 DEGREES TO TRAFFIC LANES.

WHITE OR YELLOW ISLAND



CURB & ISLAND MARKING DETAILS



MARKING PLACEMENT DETAIL

EDGE LINE PLACEMENT

GENERAL NOTES FOR EPOXY PAVEMENT MARKINGS

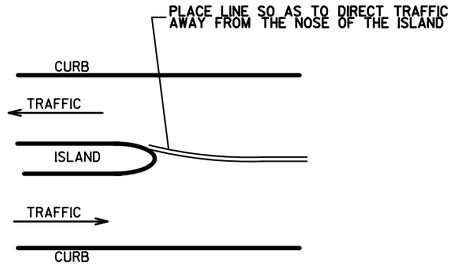
APPLY ALL MARKINGS IN ACCORDANCE WITH THE STATE OF WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

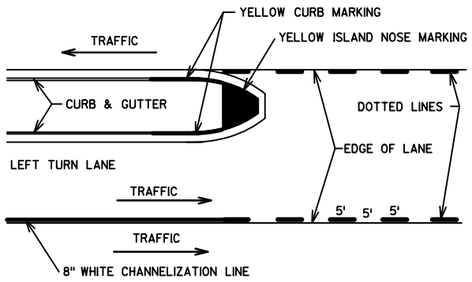
CROSSWALKS AND STOP LINES WILL BE PLACED NO CLOSER THAN 2' TO THE FACE OF CURB.

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

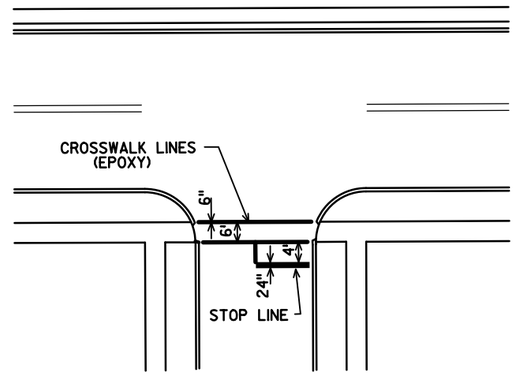
FOR MORE INFORMATION AND FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY 1120 SAYLE ST. (608) 266-4767



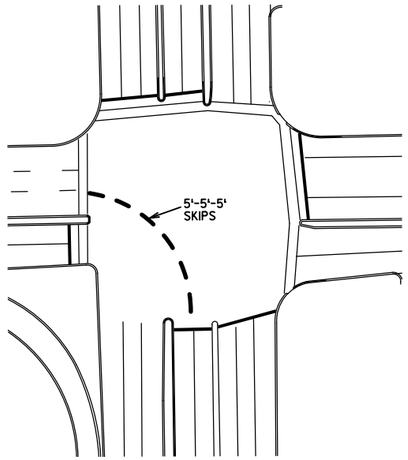
ISLAND APPROACH



LEFT TURN LANE

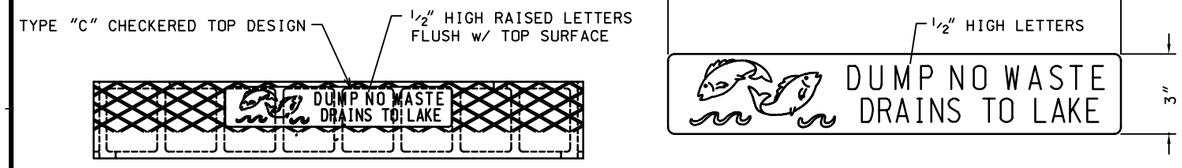


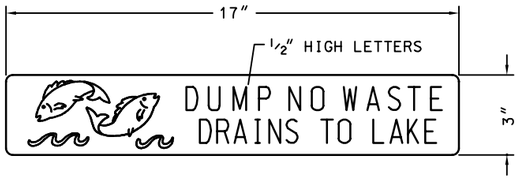
CROSSWALK & STOP LINE DETAILS

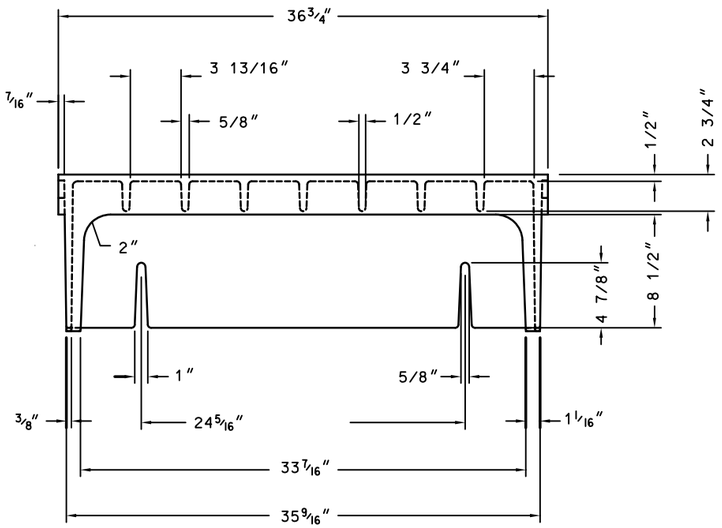


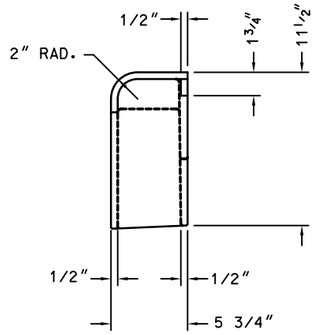
TURN RADIUS LINE DETAILS

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





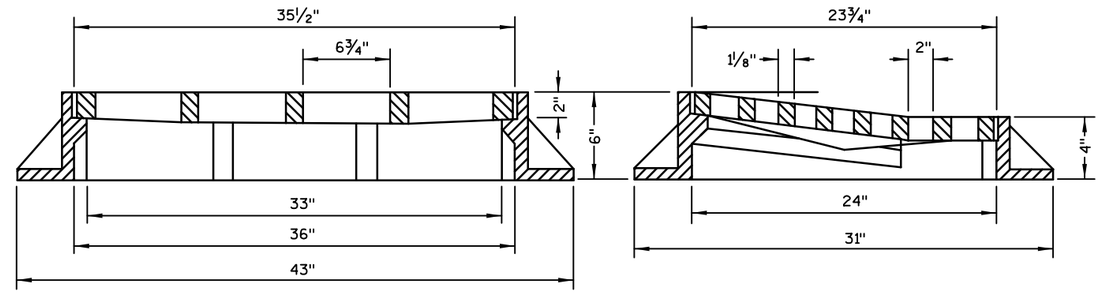




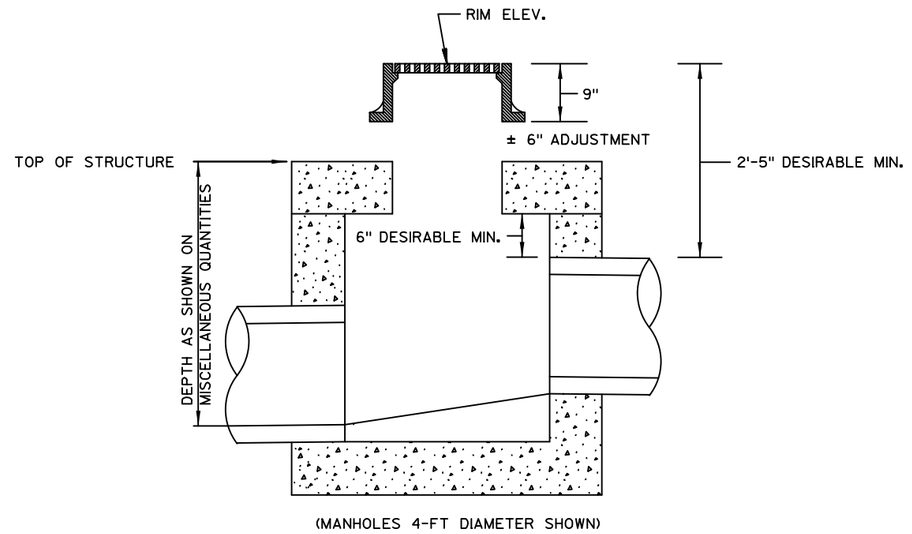
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 126#

INLET COVERS TYPE H, H-S, OR Z

TOTAL WEIGHT APPROXIMATELY 420 POUNDS

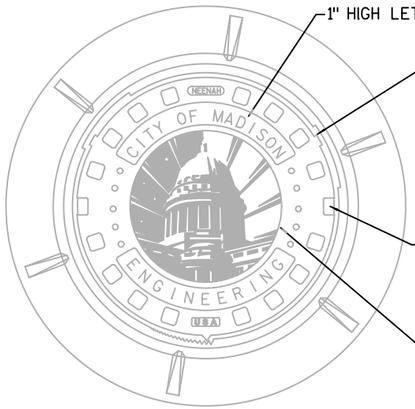


INLET COVERS TYPE DW



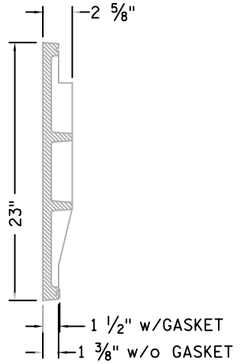
(MANHOLES 4-FT DIAMETER SHOWN)

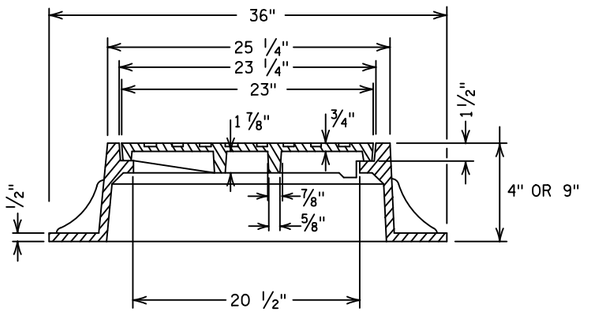
DETAIL FOR COMPUTING MANHOLE ELEVATIONS

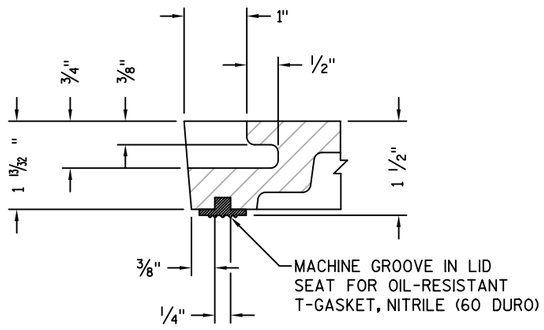


LOGO DETAIL









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.

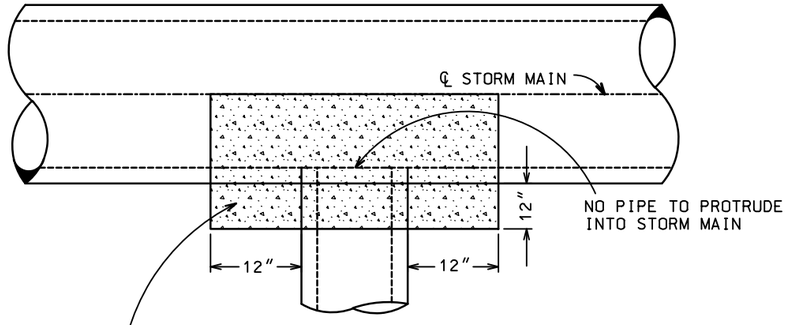
THE FOLLOWING NEENAH FOUNDRY CASTINGS (OR EQUAL CASTINGS) SHALL BE ACCEPTABLE:

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.

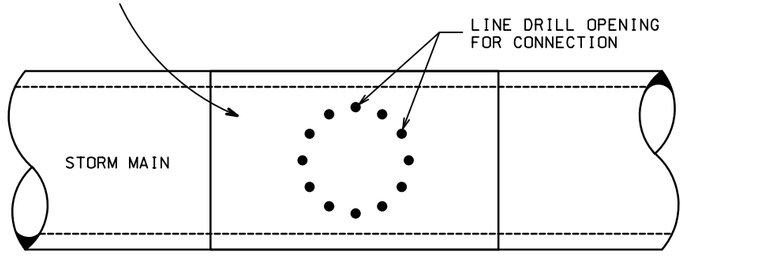
1. FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.
2. ALL LIDS SHALL BE SELF-SEALING EXCEPT FOR STORM SEWER.
3. ALL LIDS SHALL HAVE CITY OF MADISON LOGO AS SHOWN IN DETAIL (R-1550-0054 OR EQUIV.)

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

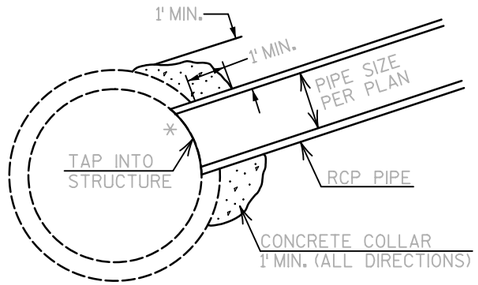
MANHOLE COVERS TYPE J-SPECIAL



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

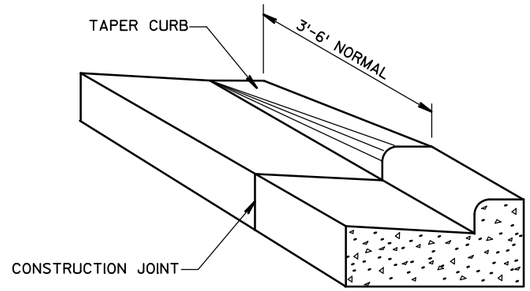
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

2

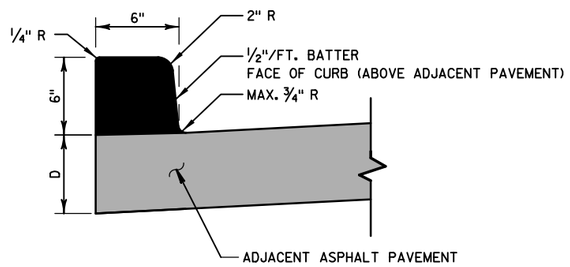
RUNOFF COEFFICIENT TABLE

	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

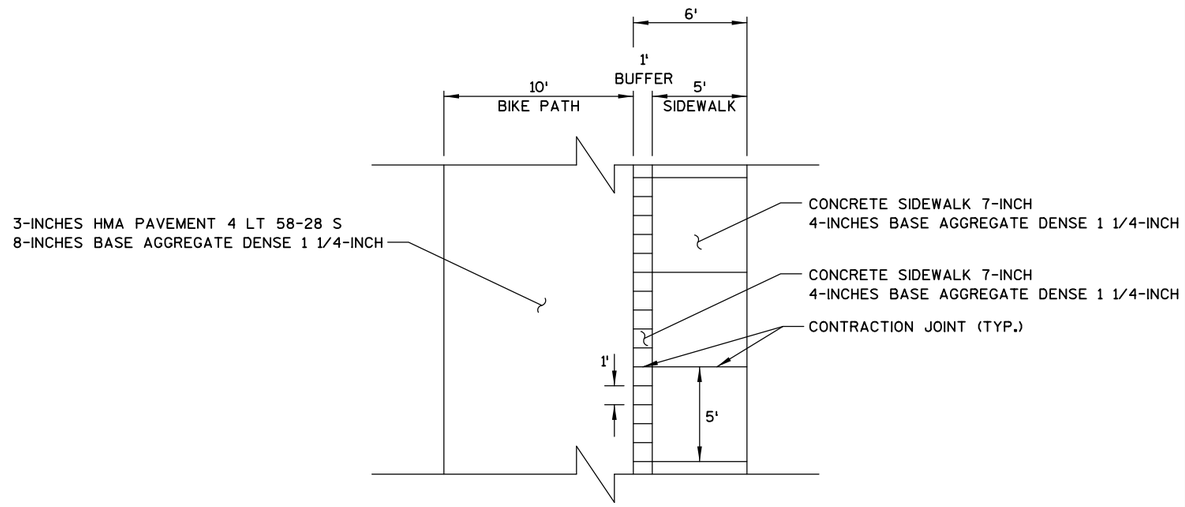


DETAIL OF CURB & GUTTER TERMINI



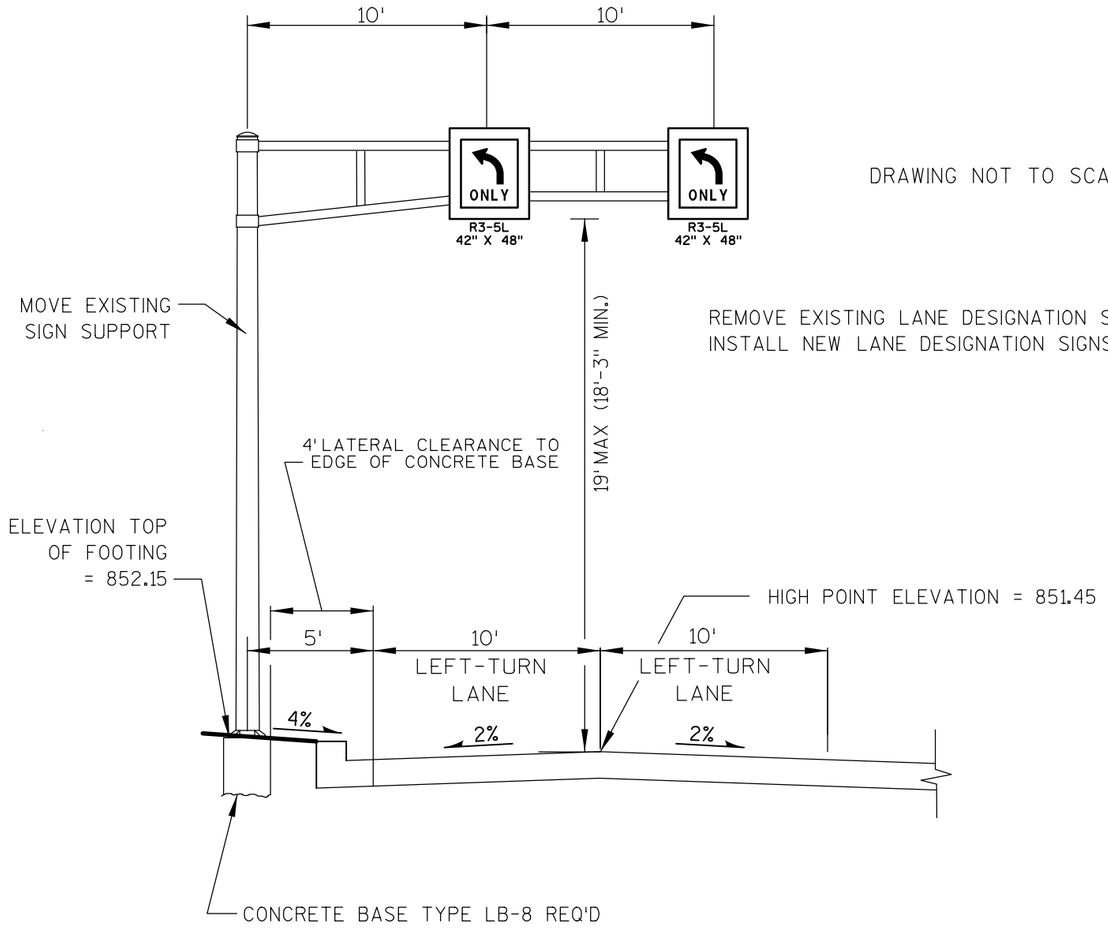
D = DEPTH OF ADJACENT ASPHALT PAVEMENT

ASPHALTIC CURB DETAIL



BIKE PATH WITH SIDEWALK JOINTING DETAIL

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

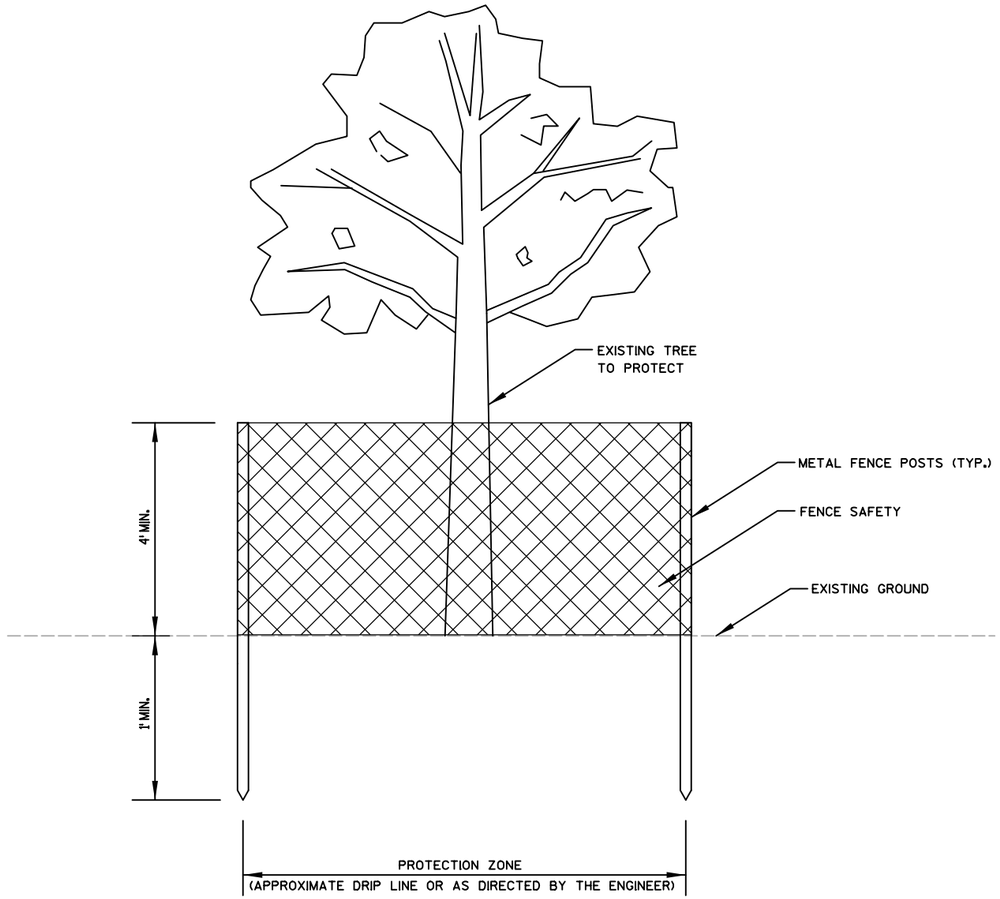


DRAWING NOT TO SCALE

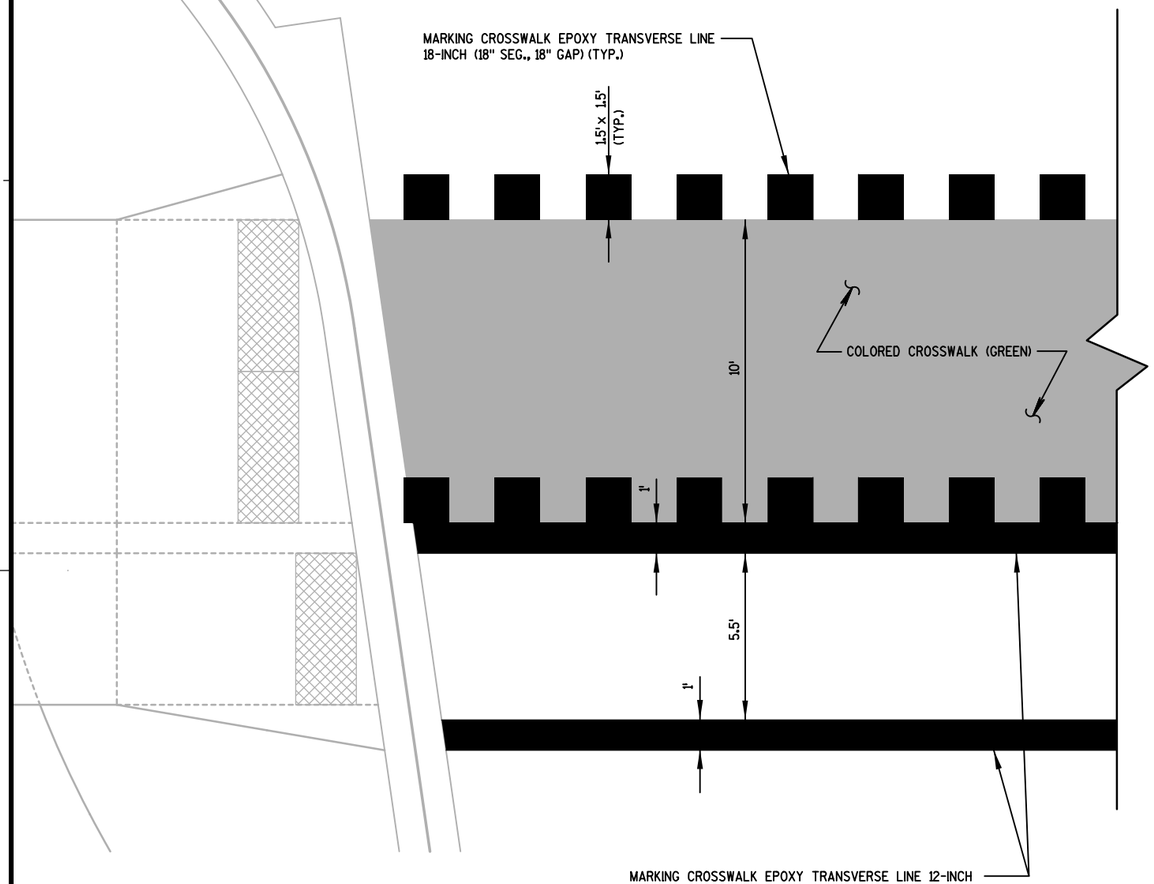
REMOVE EXISTING LANE DESIGNATION SIGNS.
INSTALL NEW LANE DESIGNATION SIGNS.

MOVING OVERHEAD SIGN SUPPORT S-13-359

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

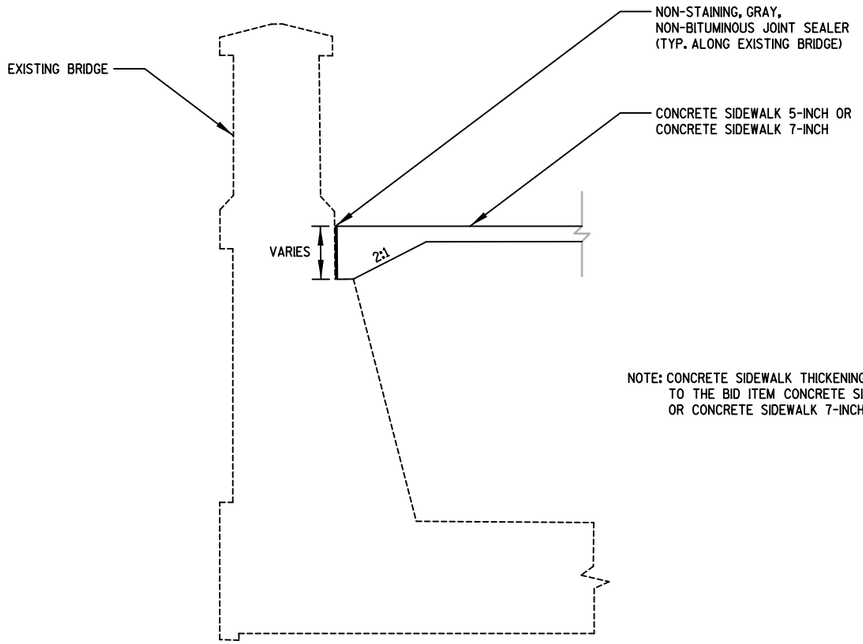


TREE PROTECTION DETAIL



FIRST STREET CROSSWALK MARKINGS

SOUTH APPROACH OF E. JOHNSON STREET
AND FIRST STREET INTERSECTION

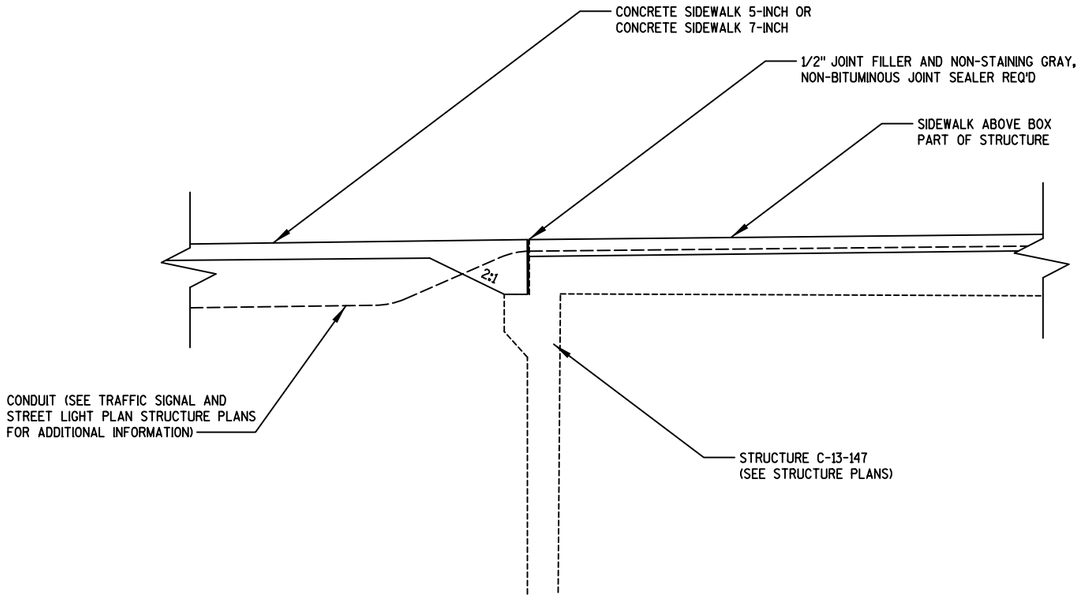


NOTE: CONCRETE SIDEWALK THICKENING INCIDENTAL TO THE BID ITEM CONCRETE SIDEWALK 5-INCH OR CONCRETE SIDEWALK 7-INCH.

SIDEWALK AT EXISTING BRIDGE

STA. 87+71.96 - STA. 89+22.10

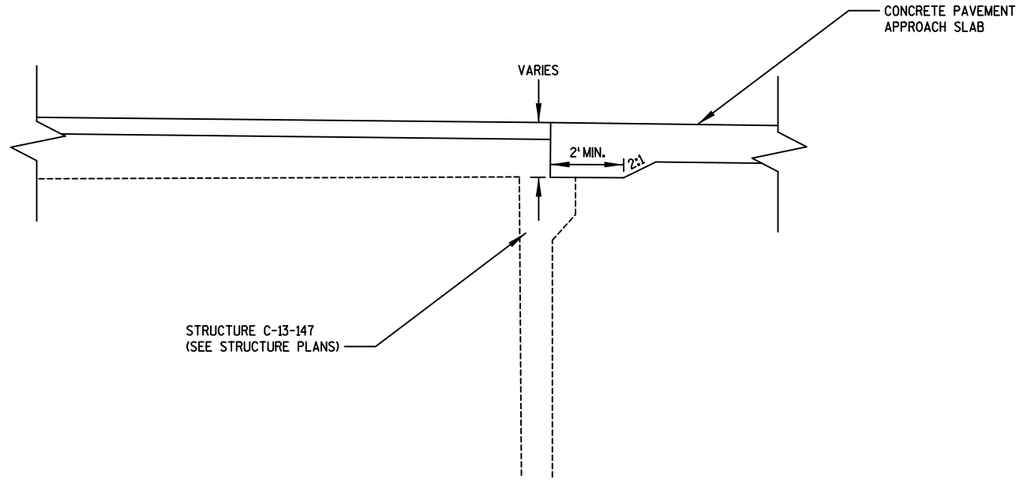
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



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

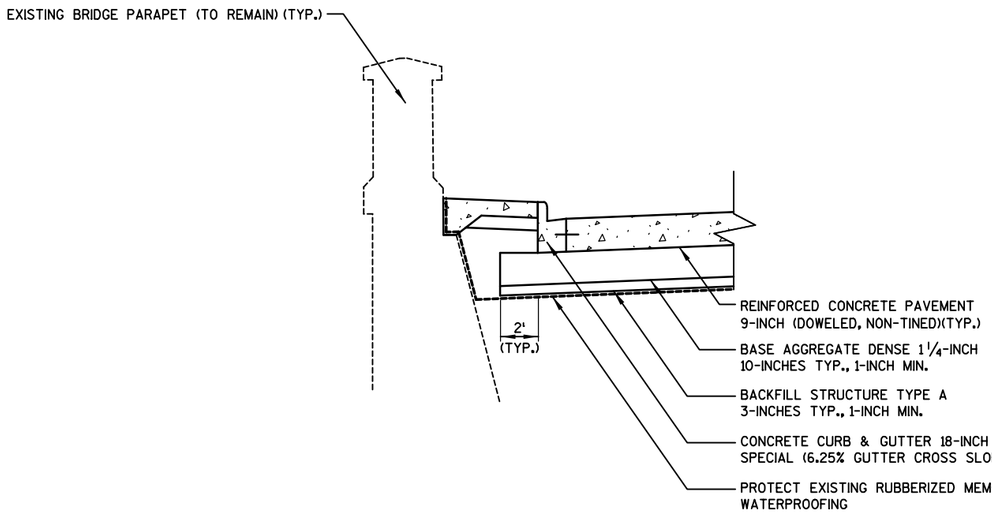


NOTE: CONCRETE PAVEMENT APPROACH SLAB THICKENING INCIDENTAL TO THE BID ITEM CONCRETE PAVEMENT APPROACH SLAB.

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

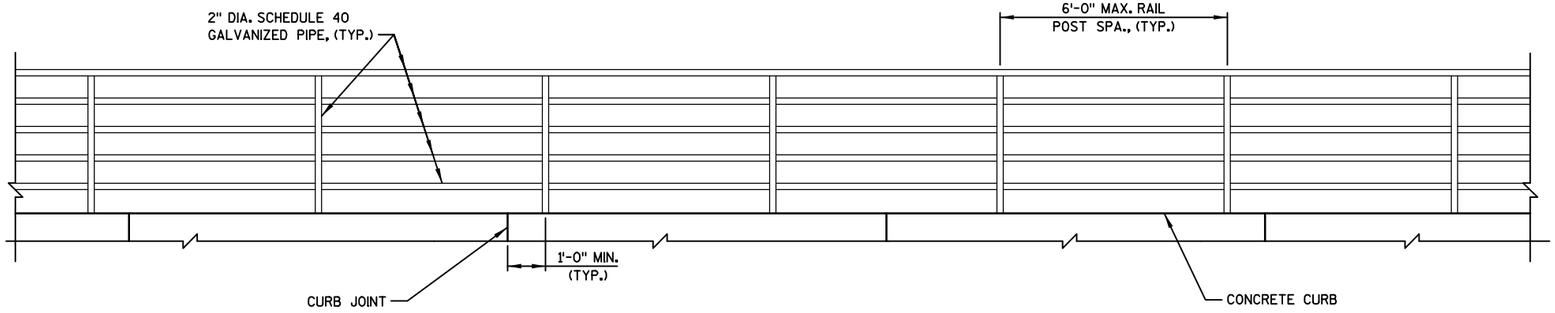


RUBBERIZED MEMBRANE WATERPROOFING

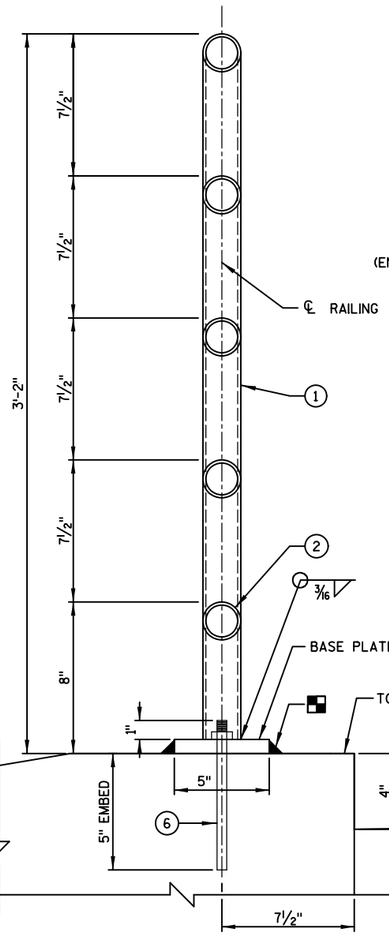
STA. 88+61 - STA. 88+91

2

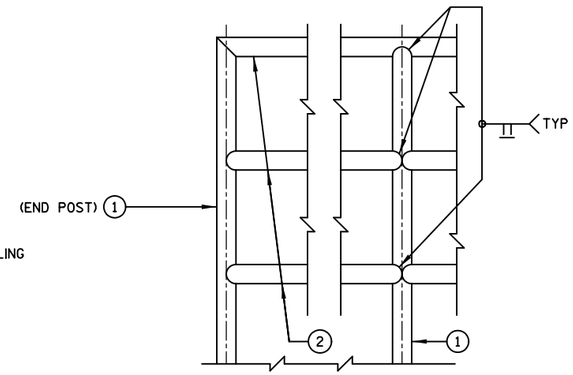
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



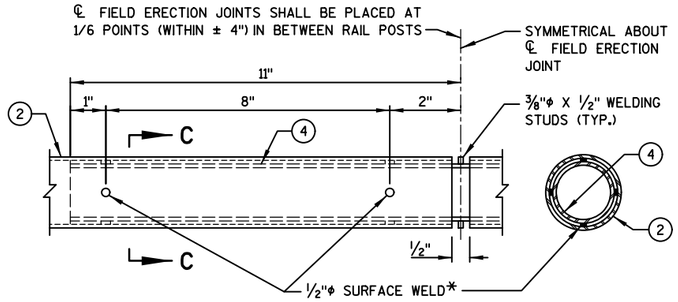
PARITIAL ELEVATION



SECTION THRU RAILING



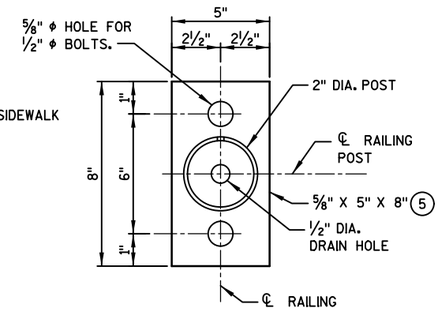
PART ELEVATION OF RAILING



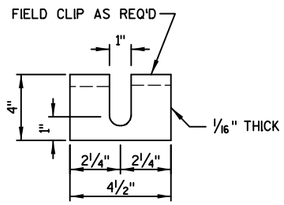
FIELD ERECTION JOINT DETAIL

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

SECTION C-C

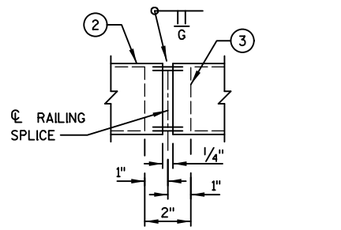


BASE PLATE



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.

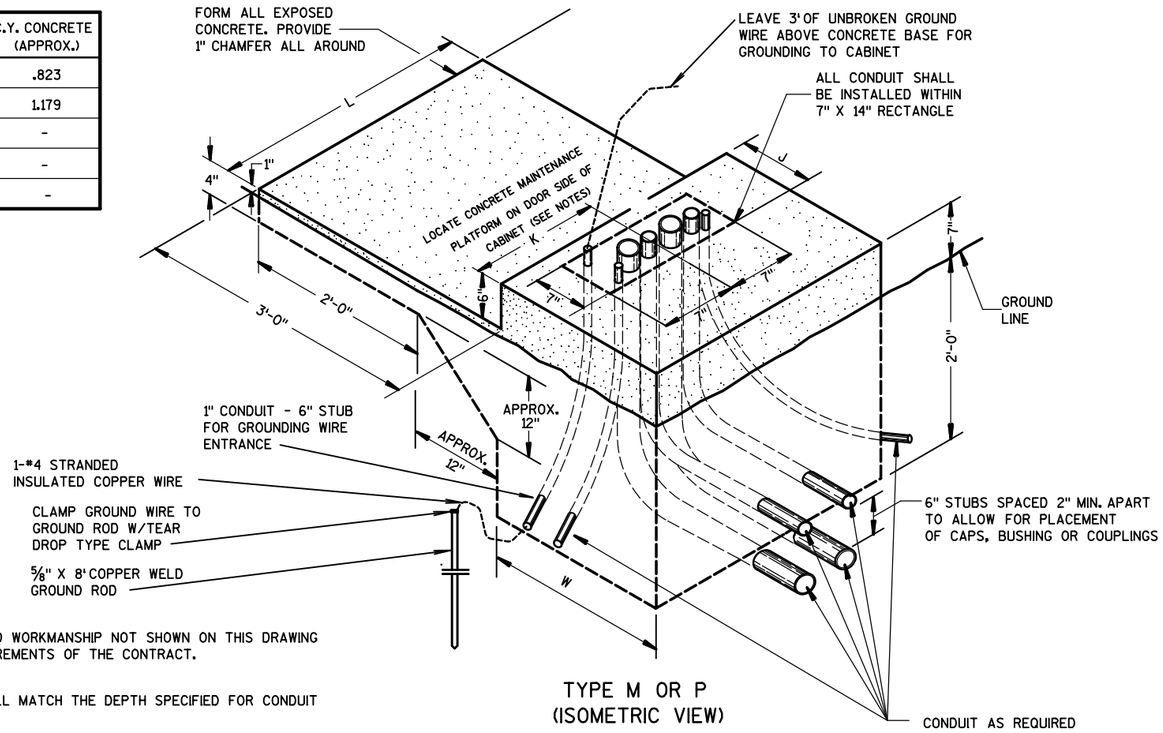
▩ CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS IN POST SHIMS AND BASE PLATES WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER.

RAILING PIPE DETAIL

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

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

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.

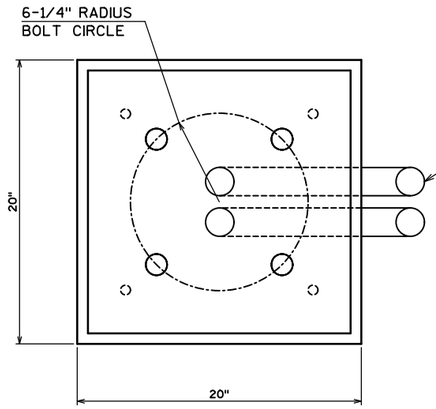
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

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.

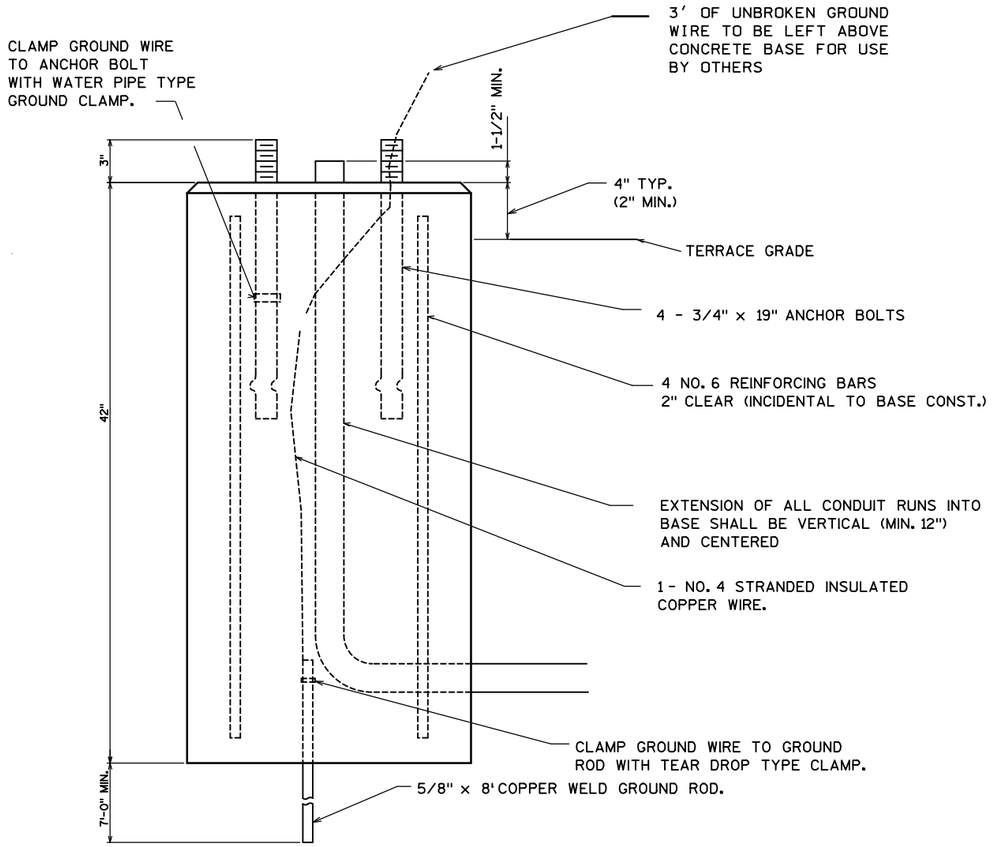
CONCRETE BASE TYPE M & TYPE P

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

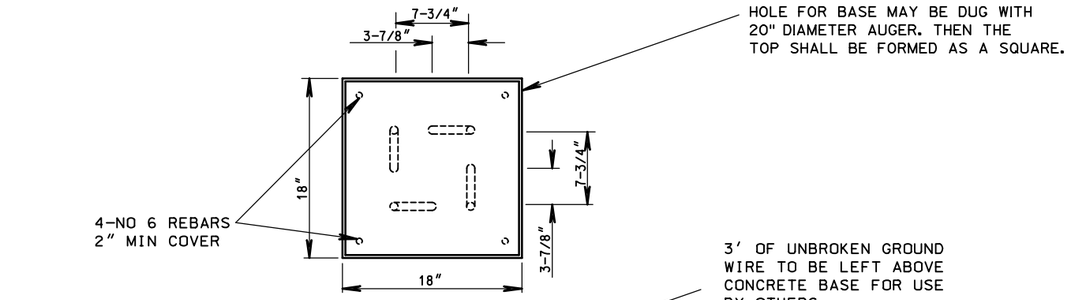


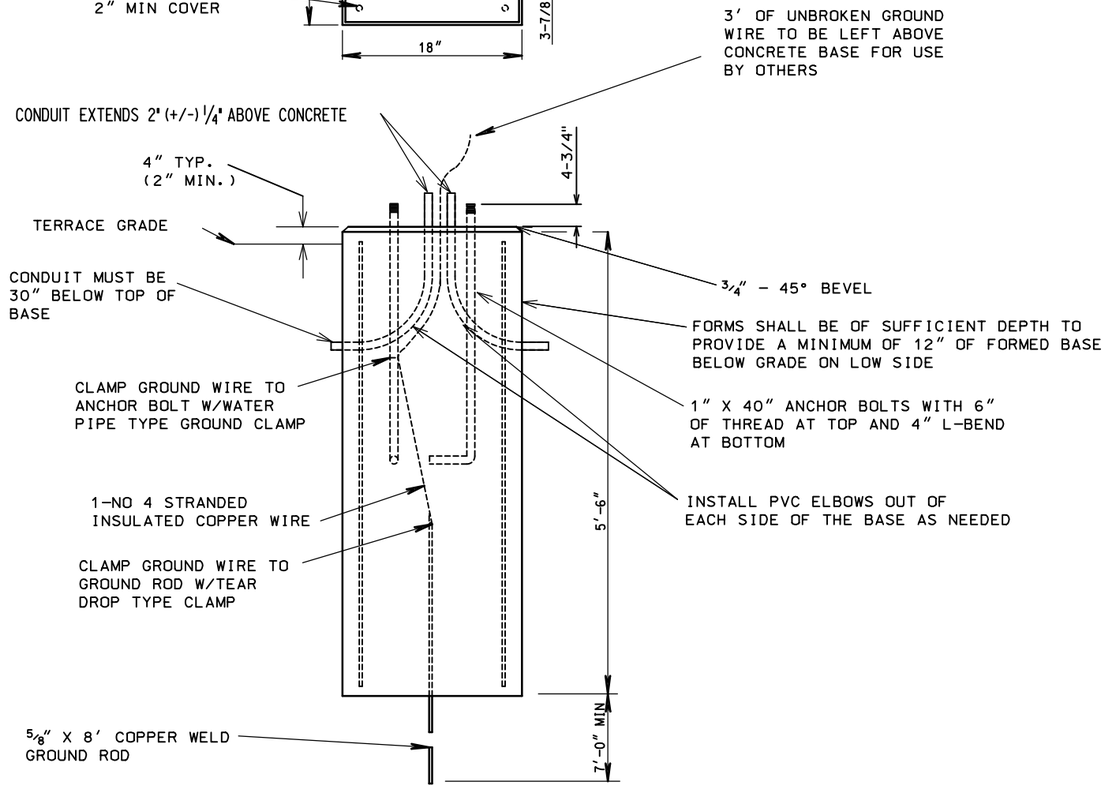
NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

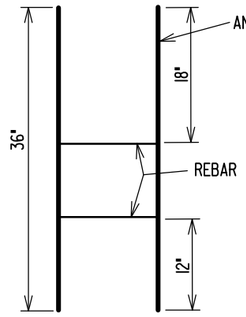
ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR TYPE "G" TRAFFIC SIGNAL BASE .



CONCRETE BASE TYPE G





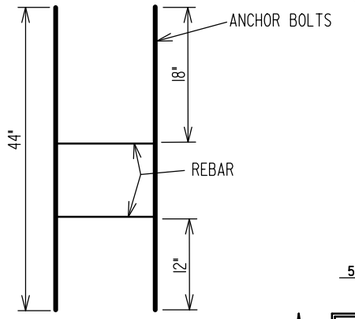


HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

CONCRETE BASE TYPE LB-3

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

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



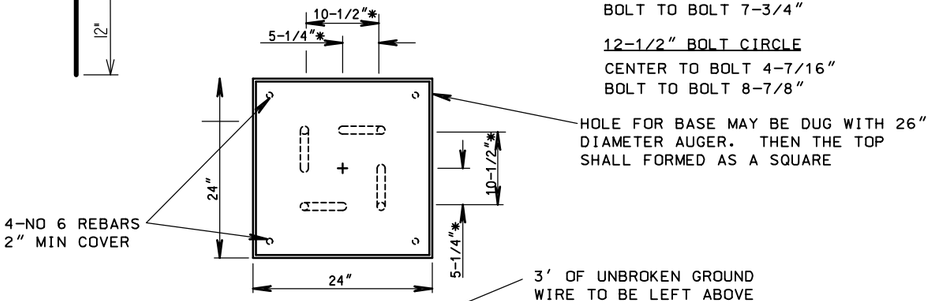
*IF ANOTHER BOLT CIRCLE IS REQUIRED, INSTEAD OF THE 15" BOLT CIRCLE SHOWN, THE FOLLOWING DIMENSIONS SHOULD BE USED

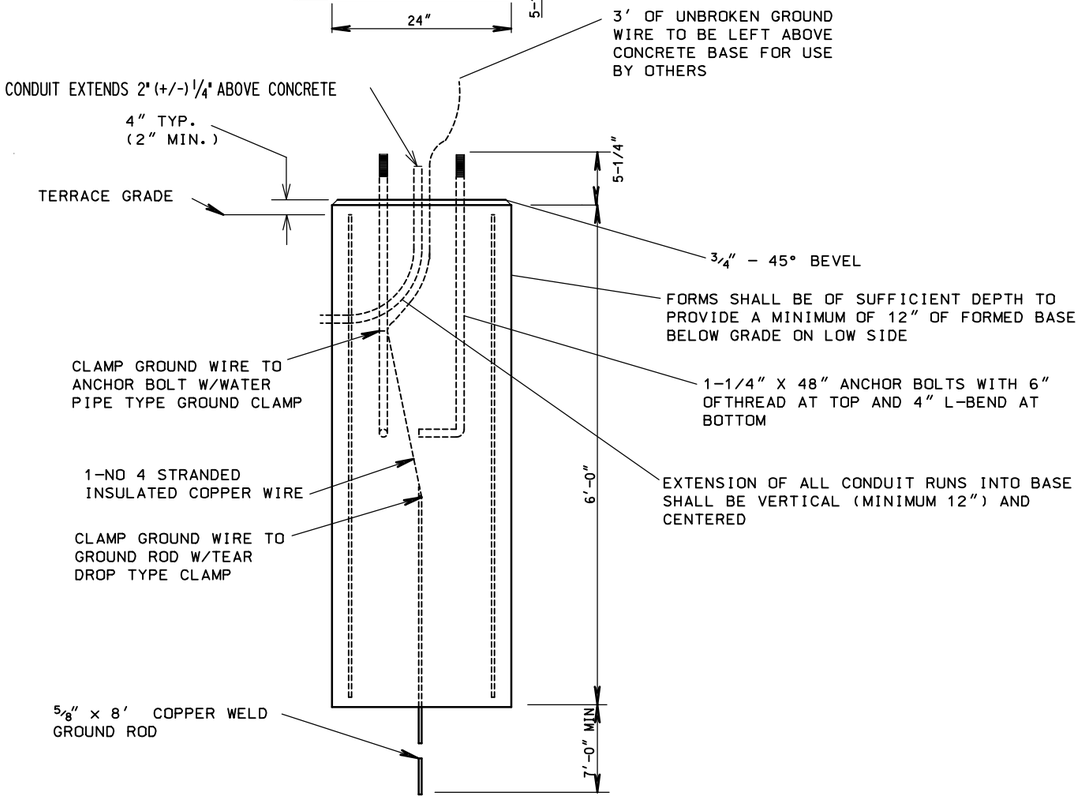
11" BOLT CIRCLE

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

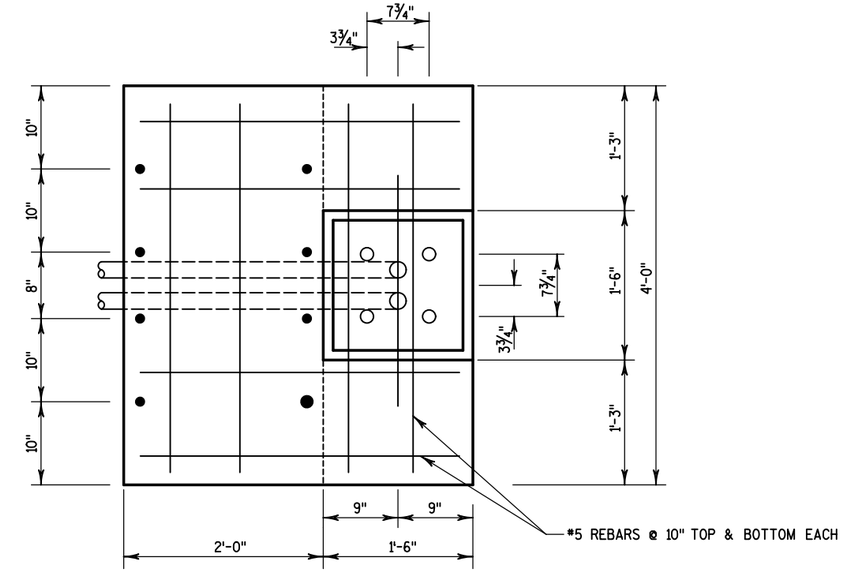
12-1/2" BOLT CIRCLE

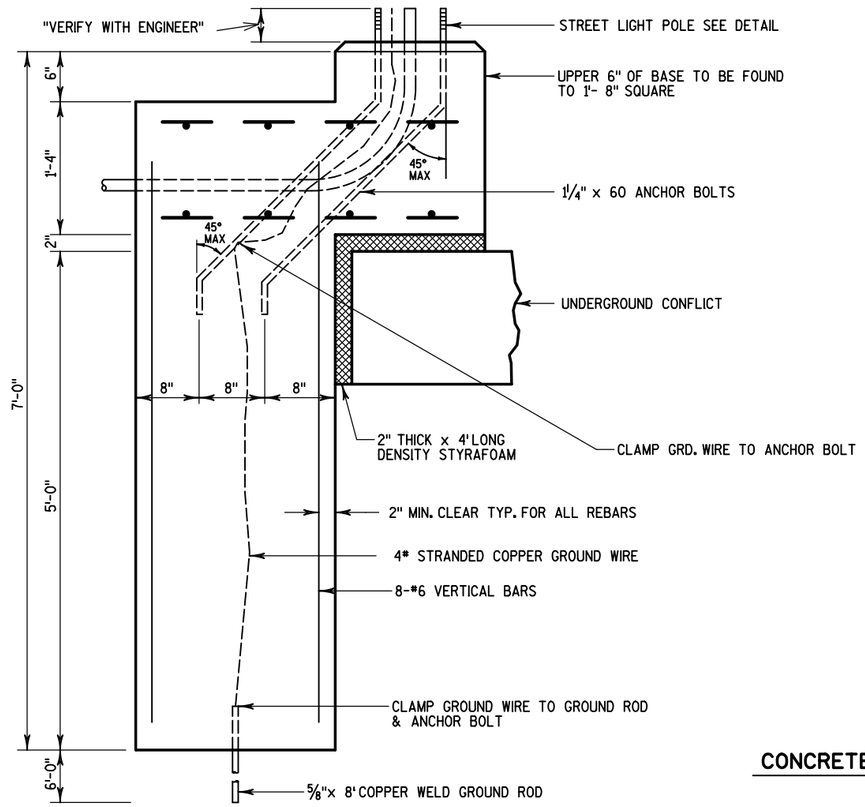
CENTER TO BOLT 4-7/16"
BOLT TO BOLT 8-7/8"



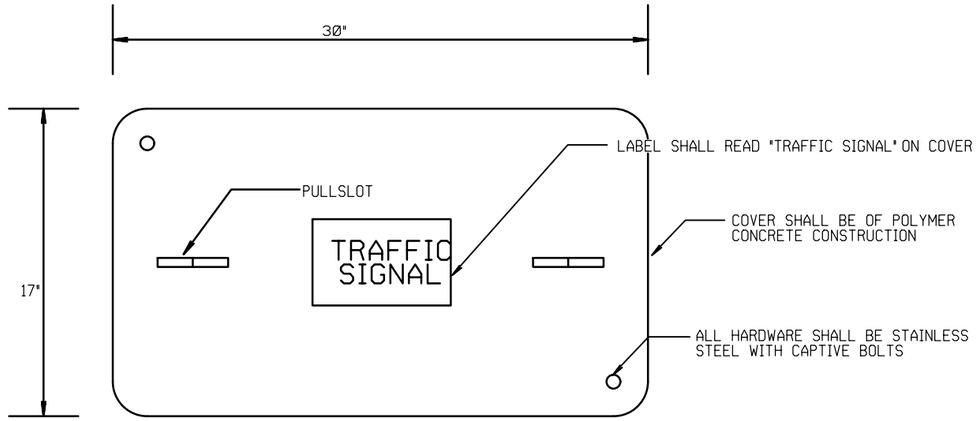


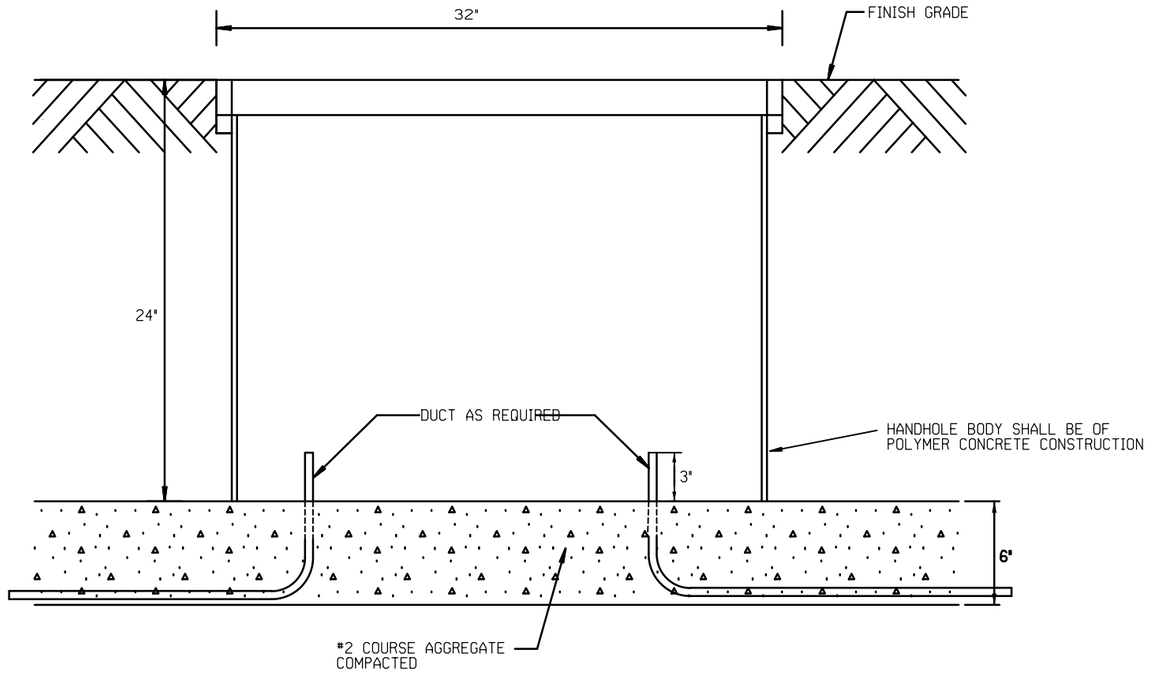
CONCRETE BASE TYPE LB-8



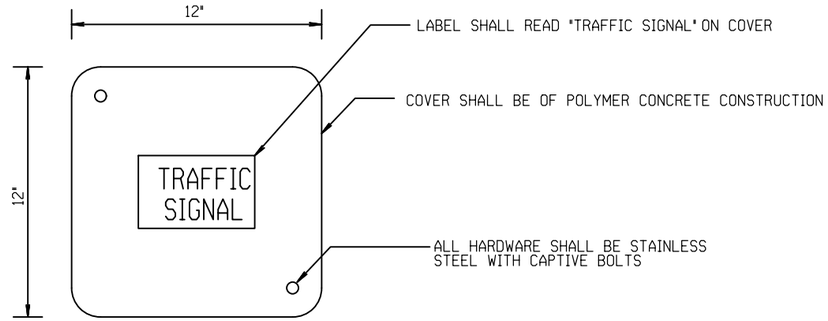


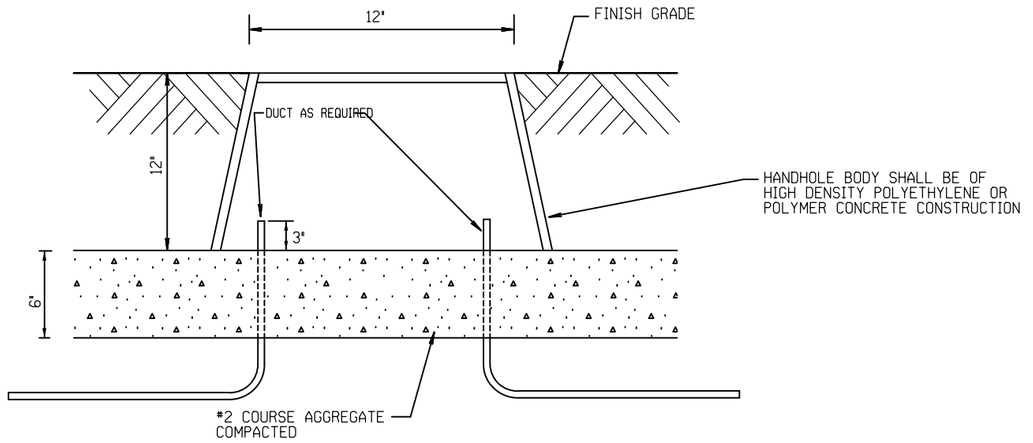
CONCRETE BASE OFFSET



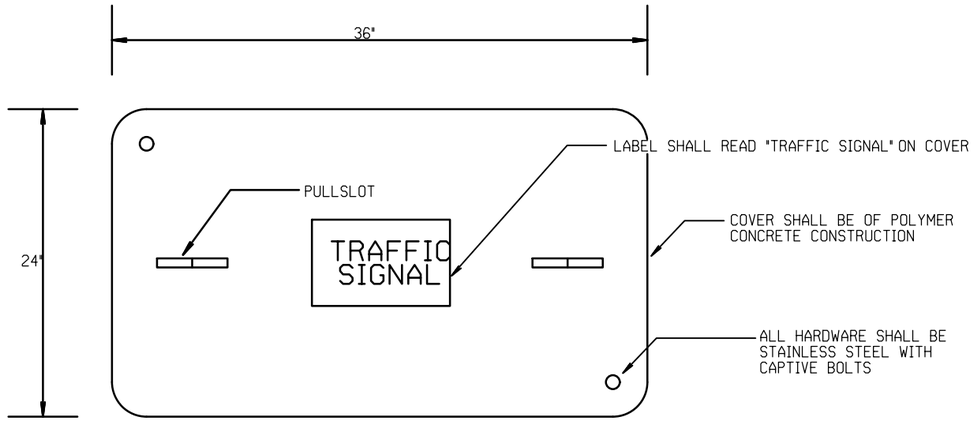


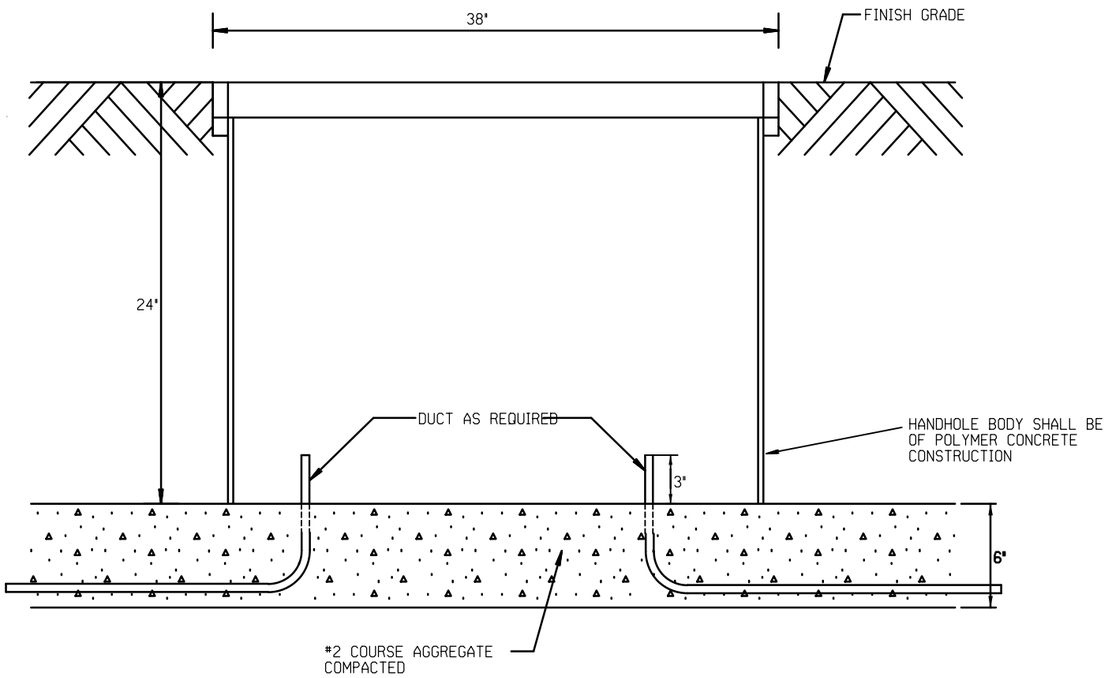
ELECTRICAL PULLBOX, TYPE I



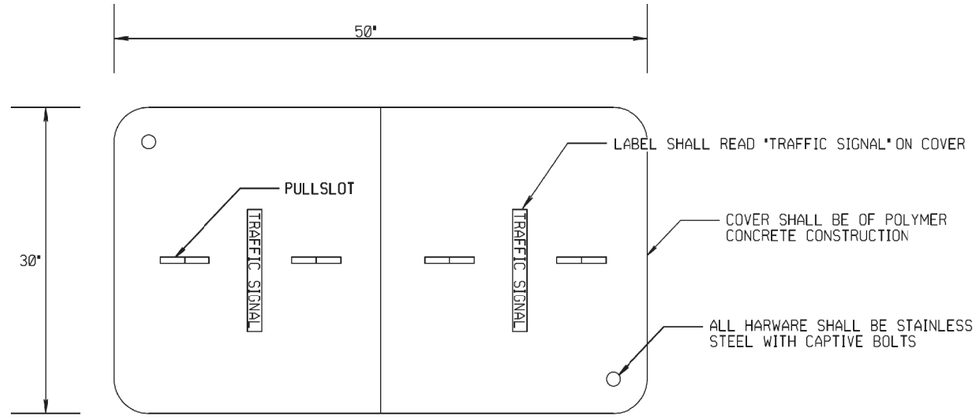


ELECTRICAL PULLBOX, TYPE III

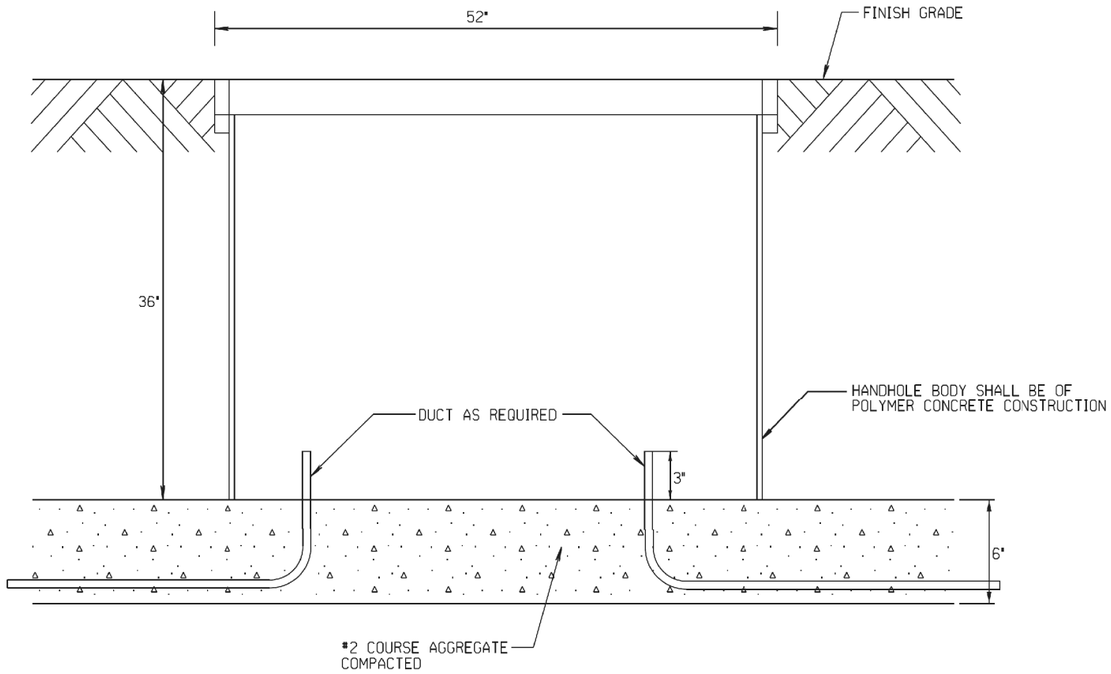




ELECTRICAL PULLBOX, TYPE V

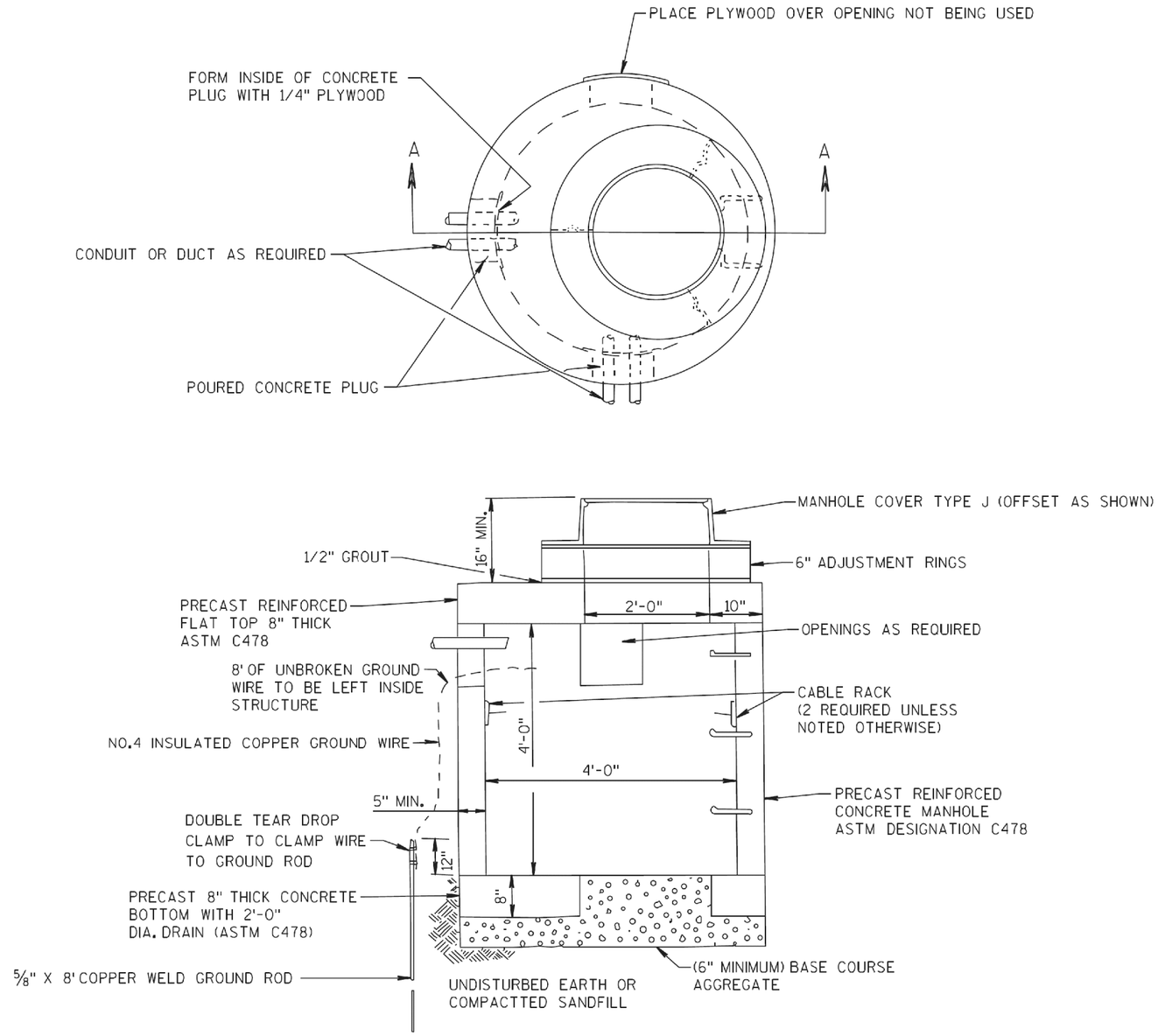


•15,000 LBS MAXIMUM LOAD OVER A 10'X10' TEST AREA RATING FOR COVER AND BOX



ELECTRICAL PULLBOX, TYPE VII

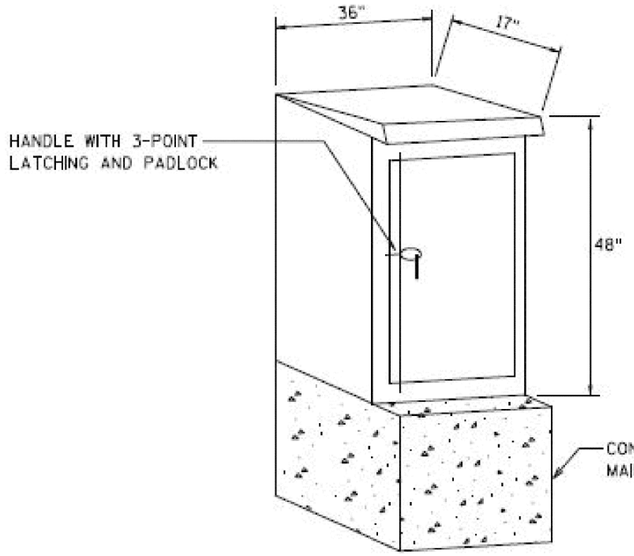
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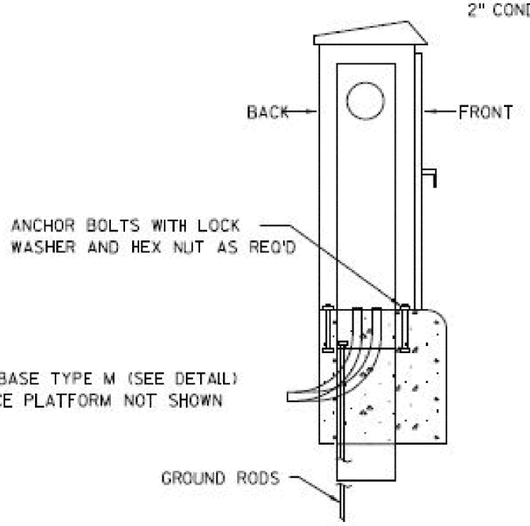
SECTION A-A

ELECTRICAL UTILITY ACCESS STRUCTURE

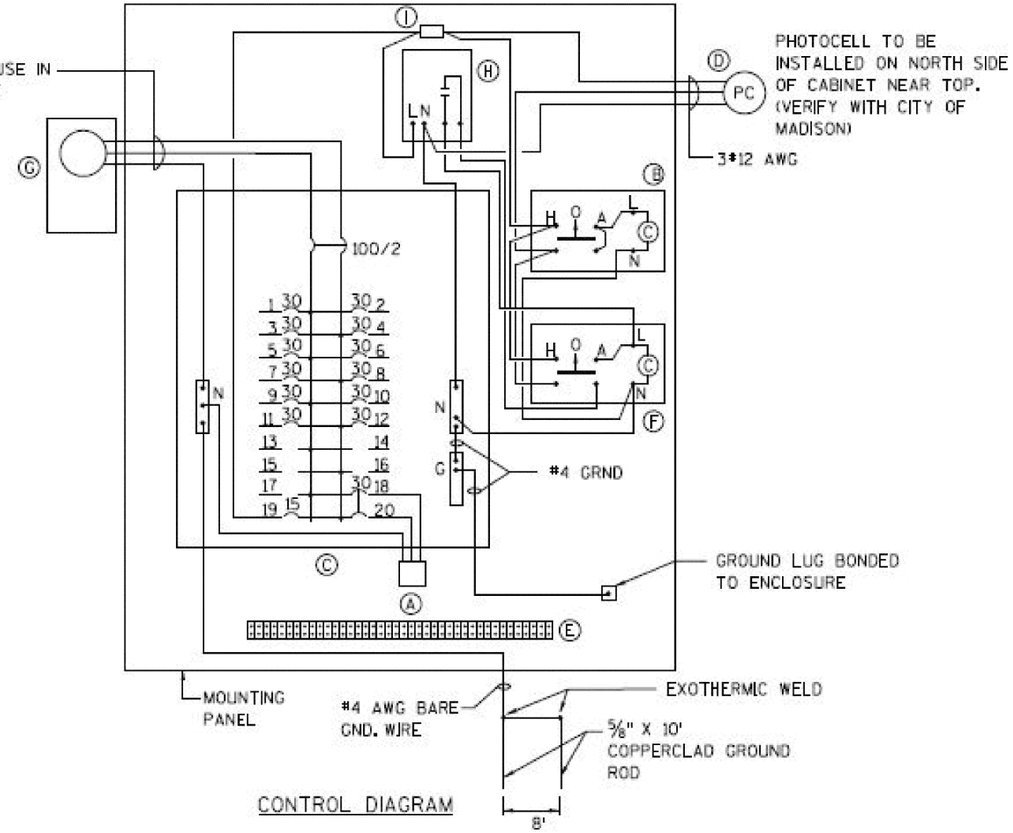
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E



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.

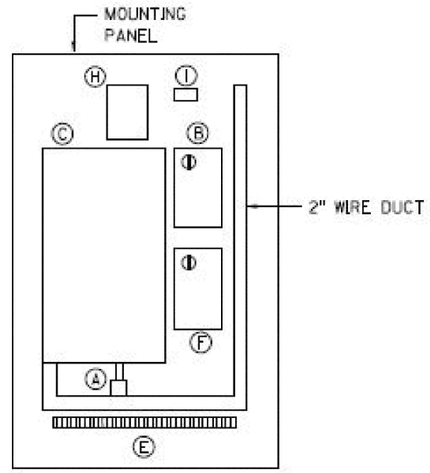
THE TIME CLOCK SHALL BE SET AS THE CITY OF MADISON DIRECTS.

CABINET SHALL NOT OVERLAP THE CONCRETE BASE.

POWER FOR STREETLIGHTING TO COME FROM METERED PEDESTAL.

EQUIPMENT

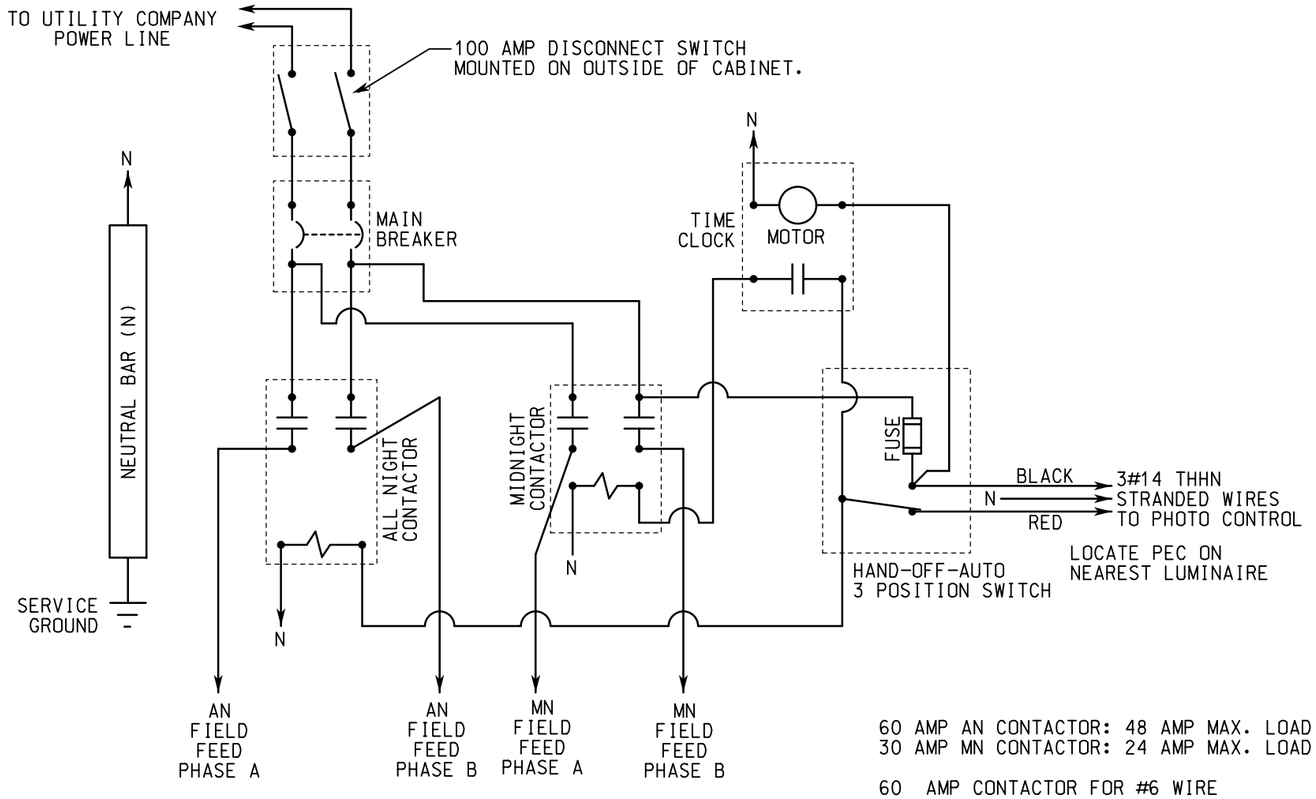
- (A) SURGE ARRESTOR
- (B) 8 POLE, 30A 600V ELECTRICALLY HELD "ALL NIGHT" CONTACTOR, 120V CONTROL COIL, H-O-A SWITCH, NEMA 1 ENCLOSURE
- (C) 100A MCB, 120/240V, 1PH, 3W, 20CKT., PANELBOARD WITH BOLT-ON BRANCH BREAKERS, 22000 A RMS INTERRUPTING CAPACITY.
- (D) BUTTON TYPE PHOTOCELL, 120V.
- (E) FIELD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

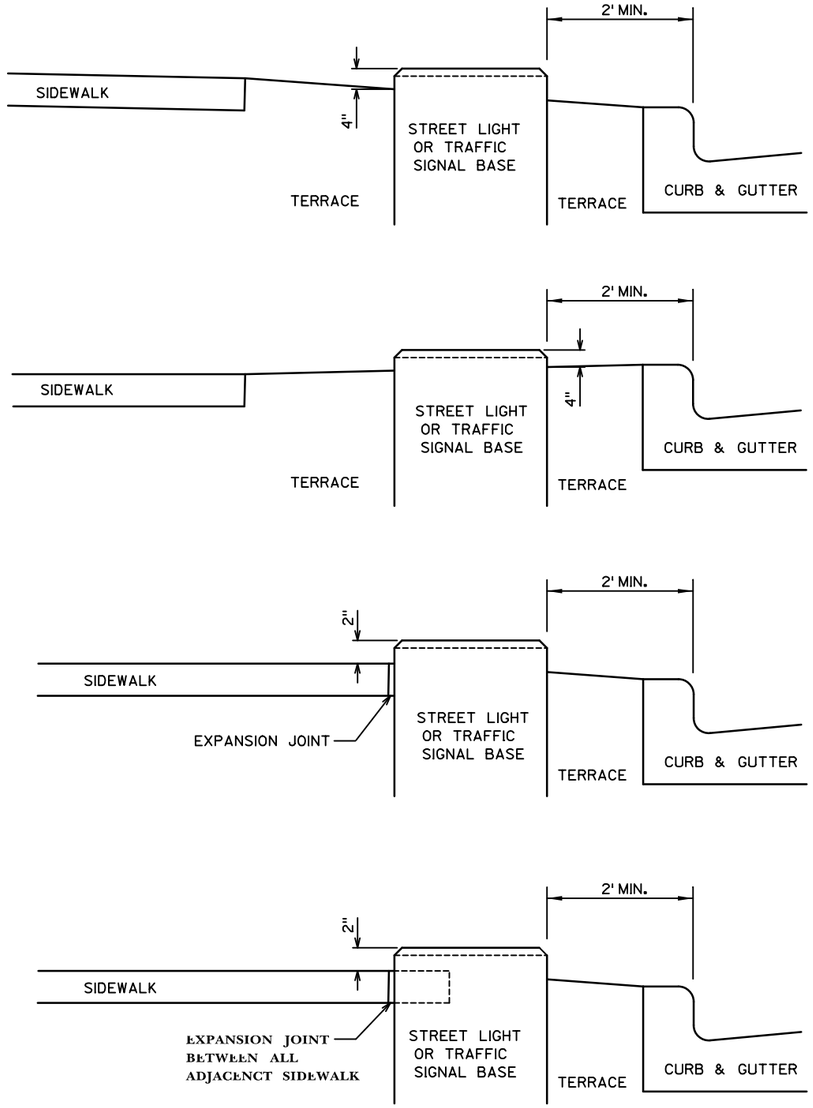


60 AMP AN CONTACTOR: 48 AMP MAX. LOAD
30 AMP MN CONTACTOR: 24 AMP MAX. LOAD

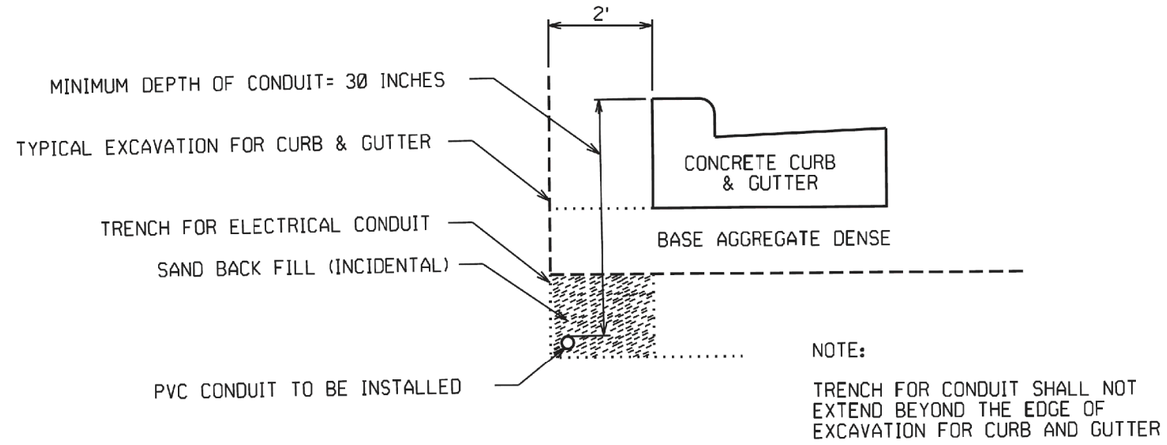
60 AMP CONTACTOR FOR #6 WIRE
100 AMP CONTACTOR FOR #4 WIRE

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

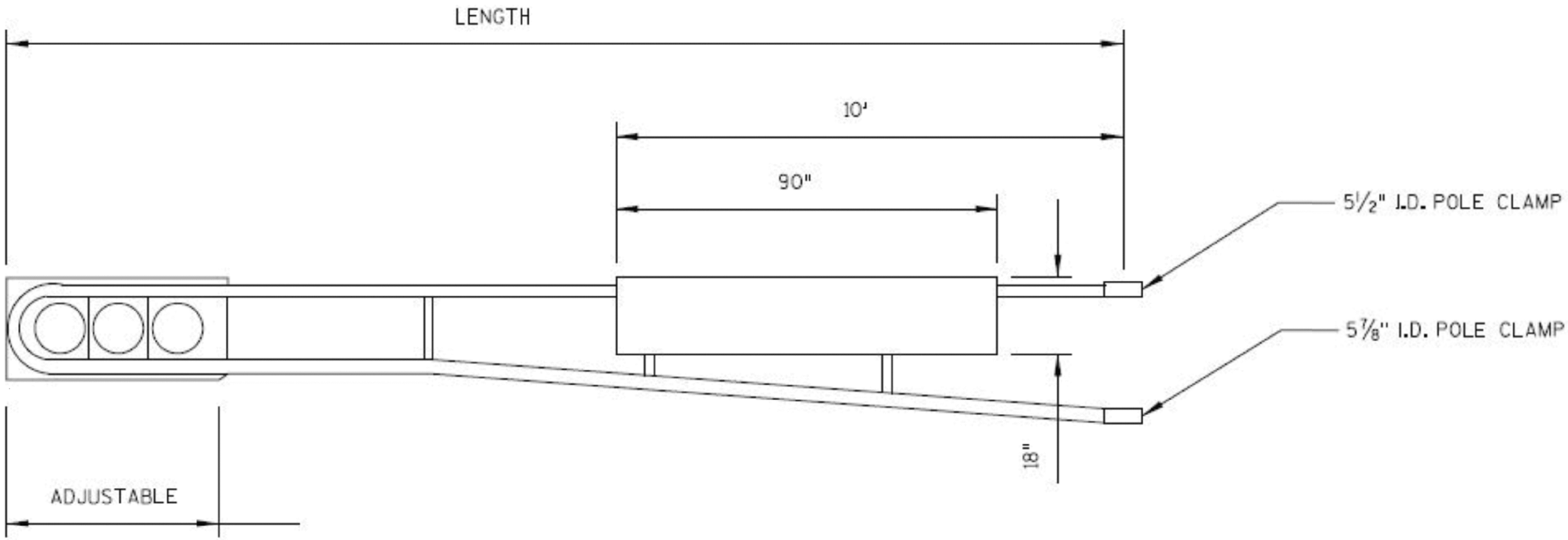


TYPICAL ELEVATIONS FOR CONCRETE BASES



TYPICAL CONDUIT INSTALLATION PARALLEL TO CURB & GUTTER

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

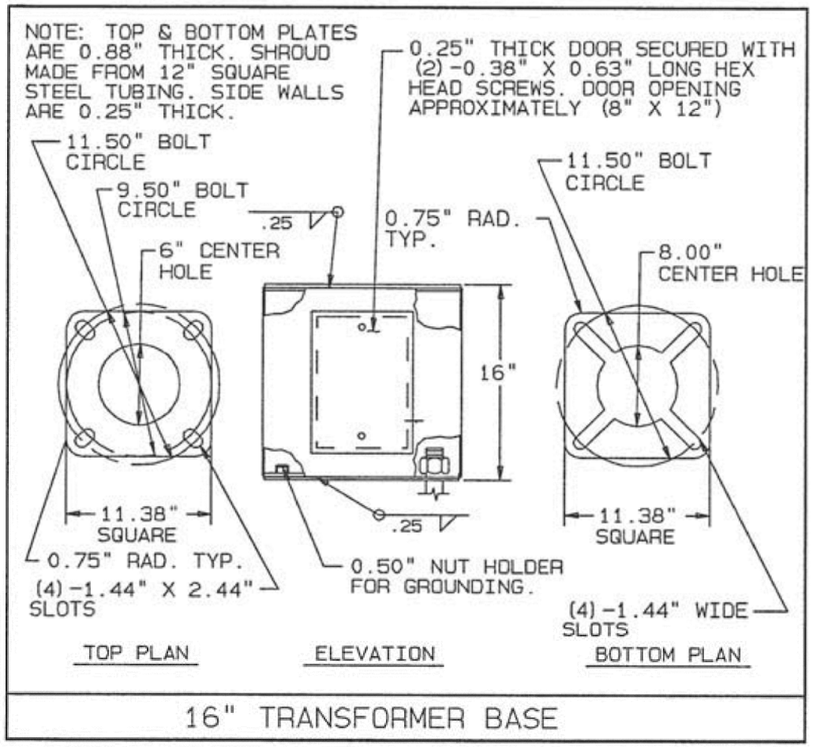


TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12, 15, 18, 22 FOOT

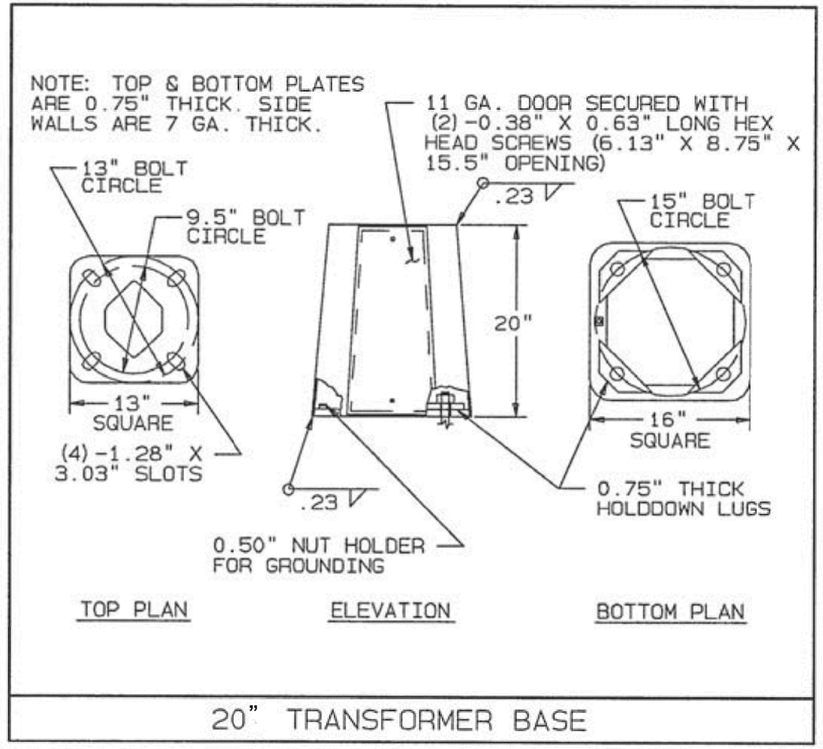
3-SECTION, 12" SIGNAL WITH BACKPLATE AND 18" X 90" ALUMINUM SIGN

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

2

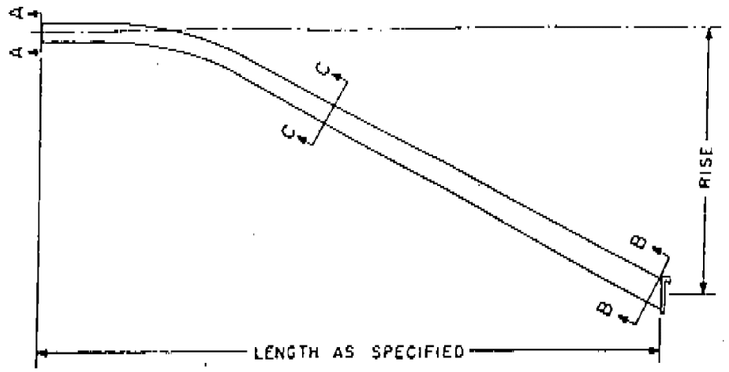


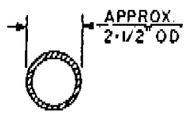
16" TRANSFORMER BASE



20" TRANSFORMER BASE

TRANSFORMER BASE 16-INCH AND 20-INCH STEEL

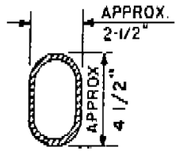




SECTION A-A

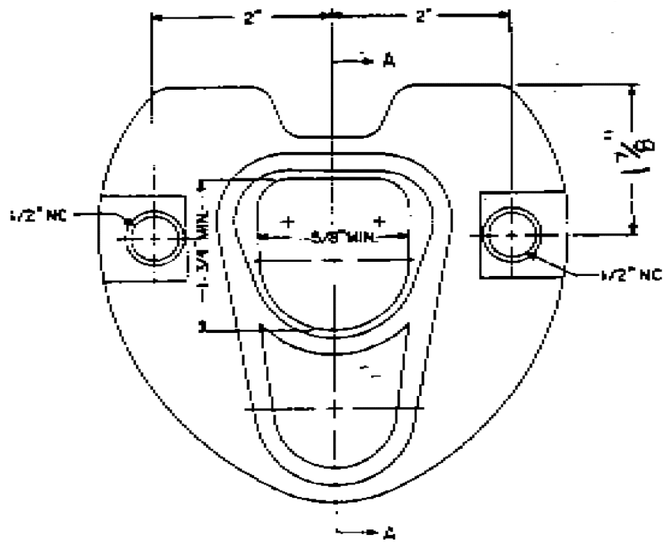


SECTION C-C

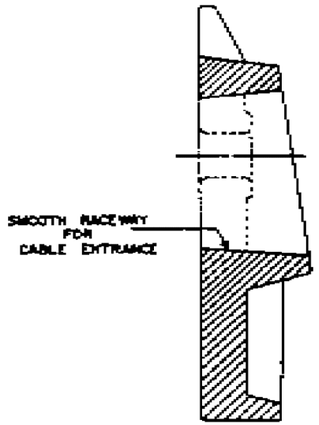


SECTION B-B

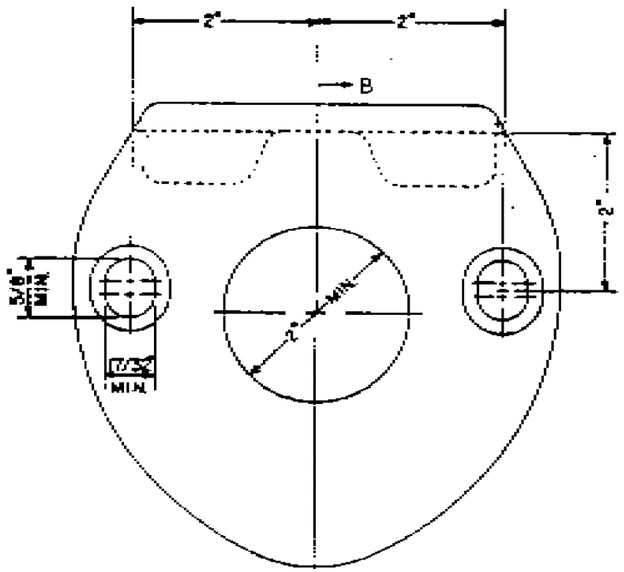
ARM 4-FOOT & 10-FOOT, SIMPLEX



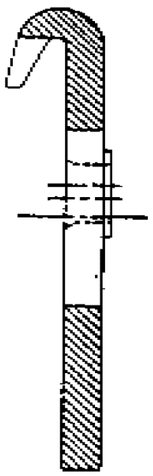
GALVANIZED STEEL
TYPICAL SIMPLEX FITTING
POLE MOUNTED



SECTION A-A



GALVANIZED STEEL
TYPICAL SIMPLEX FITTING
MAST ARM MOUNTED



SECTION B-B

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

2

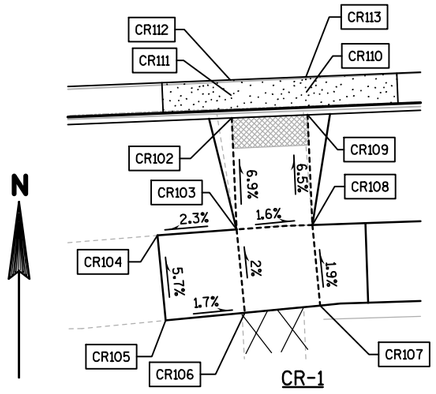


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS OVERVIEW	SHEET	E

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

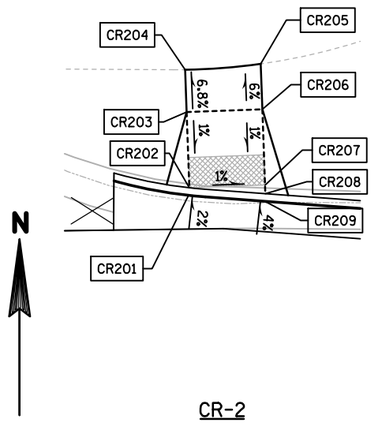
* MATCH EXISTING



CR-1

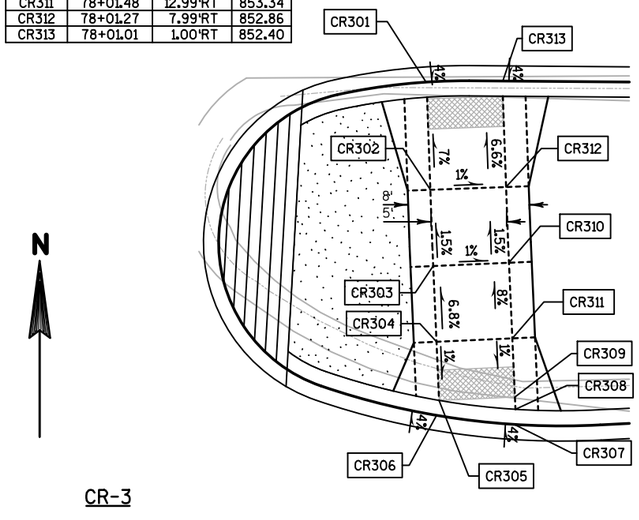
CR-2 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR201	77+94.79	24.43'LT	851.98
CR202	77+94.84	24.92'LT	851.99
CR203	77+94.62	29.92'LT	852.04
CR204	77+94.50	32.72'LT	*
CR205	77+99.49	33.14'LT	*
CR206	77+99.62	30.13'LT	851.99
CR207	77+99.83	25.14'LT	851.94
CR208	77+99.86	24.57'LT	851.93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

* MATCH EXISTING



CR-2

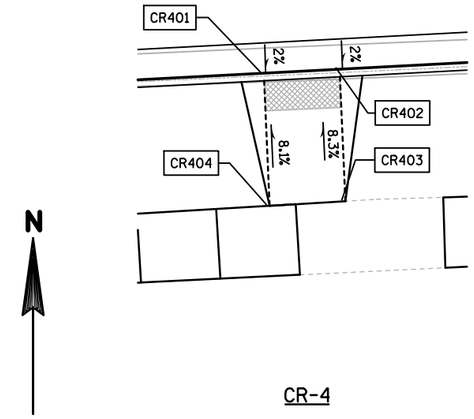
CR-3 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR301	77+95.93	1.10'RT	852.41
CR302	77+96.27	8.21'RT	852.91
CR303	77+96.50	13.25'RT	852.99
CR304	77+96.76	18.24'RT	853.33
CR305	77+96.96	22.11'RT	853.29
CR306	77+96.80	23.10'RT	853.28
CR307	78+01.94	23.66'RT	853.28
CR308	78+01.99	22.66'RT	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

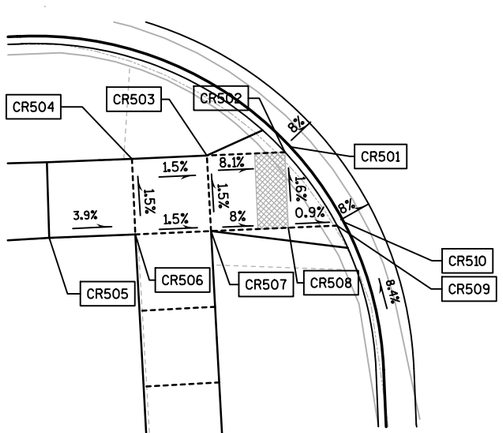
CR-4 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR401	77+98.25	47.25'RT	853.72
CR402	78+03.24	46.95'RT	853.69
CR403	78+03.70	55.67'RT	*
CR404	77+98.71	56.00'RT	*

* MATCH EXISTING



CR-4

2



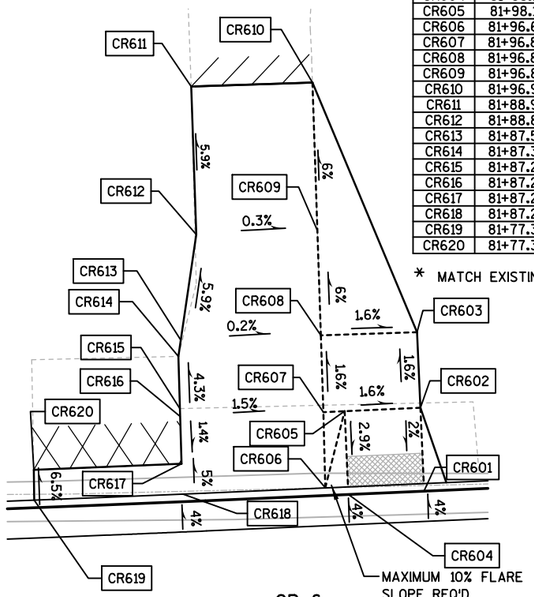
CR-5 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR501	81+34.59	38.67'RT	852.00
CR502	81+34.22	39.00'RT	852.01
CR503	81+29.14	39.12'RT	852.43
CR504	81+24.28	39.24'RT	852.50
CR505	81+18.81	44.37'RT	*
CR506	81+24.40	44.24'RT	852.57
CR507	81+29.31	44.12'RT	852.50
CR508	81+34.33	44.00'RT	852.09
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

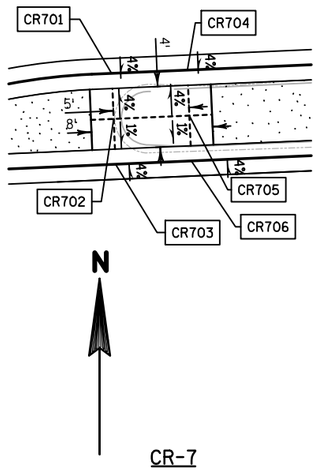
CR-6 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR601	82+03.15	22.00'LT	850.11
CR602	82+03.15	27.50'LT	850.22
CR603	82+03.15	32.50'LT	850.14
CR604	81+98.15	22.00'LT	850.14
CR605	81+98.15	27.50'LT	850.30
CR606	81+96.65	22.50'LT	---
CR607	81+96.80	32.57'LT	850.32
CR608	81+96.80	32.57'LT	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

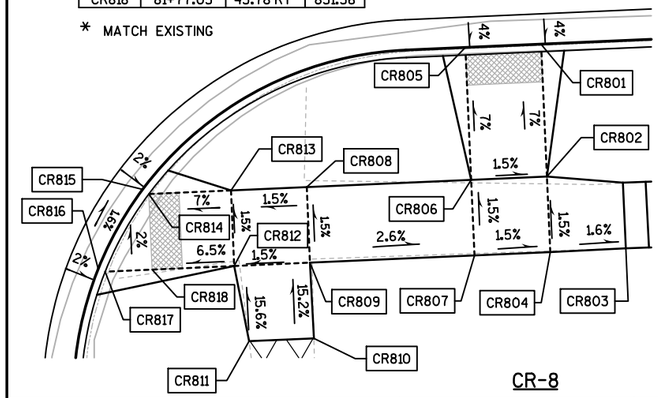
CR-7 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR701	81+98.15	1.00'RT	850.58
CR702	81+98.15	4.00'RT	850.70
CR703	81+98.15	7.00'RT	850.67
CR704	82+03.15	1.00'RT	850.55
CR705	82+03.15	4.00'RT	850.67
CR706	82+03.15	7.00'RT	850.64



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

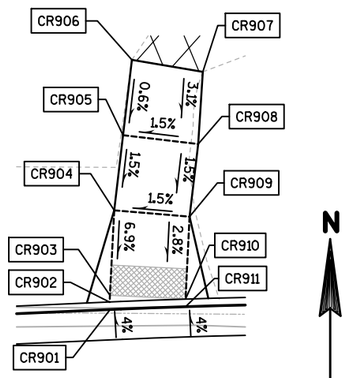


CR-8

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

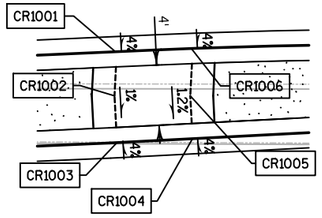
CR-9 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR901	86+99.00	22.00'LT	851.26
CR902	86+99.00	22.50'LT	851.27
CR903	86+99.04	22.94'LT	851.27
CR904	86+99.56	28.53'LT	851.66
CR905	87+00.31	33.47'LT	851.73
CR906	87+01.03	38.40'LT	*
CR907	87+05.22	37.46'LT	*
CR908	87+04.82	32.70'LT	851.80
CR909	87+04.17	27.93'LT	851.73
CR910	87+03.76	22.50'LT	851.58
CR911	87+03.76	22.00'LT	851.57

* MATCH EXISTING



CR-9

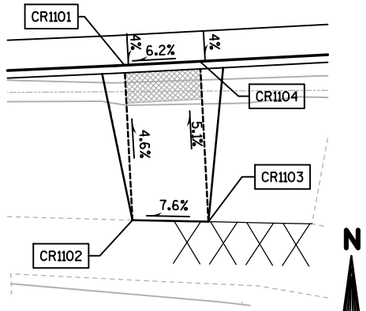
CR-10 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1001	86+96.71	1.00'RT	851.56
CR1002	86+96.53	3.91'RT	851.53
CR1003	86+96.56	7.00'RT	851.50
CR1004	87+01.60	6.95'RT	851.81
CR1005	87+01.56	4.12'RT	851.84
CR1006	87+01.74	1.00'RT	851.88



CR-10

CR-11 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1101	86+96.74	30.00'RT	850.66
CR1102	86+96.83	40.22'RT	*
CR1103	87+02.11	40.54'RT	*
CR1104	87+01.93	29.95'RT	850.97

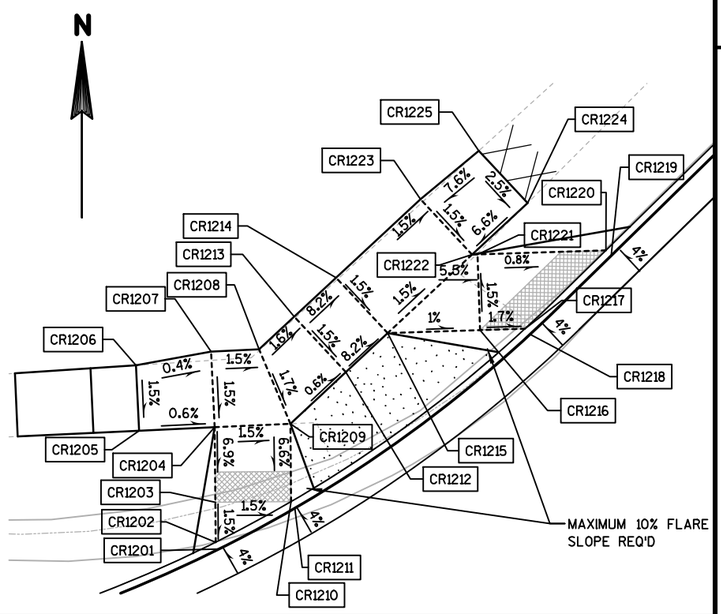
* MATCH EXISTING



CR-11

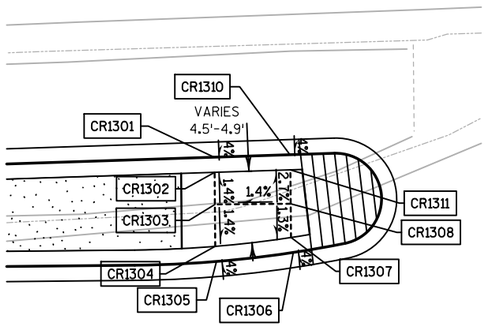
CR-12 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1201	94+70.78	30.12'LT	853.60
CR1202	94+70.57	30.58'LT	853.61
CR1203	94+70.63	33.21'LT	853.65
CR1204	94+70.74	38.16'LT	853.99
CR1205	94+65.74	38.09'LT	854.02
CR1206	94+65.68	42.42'LT	854.08
CR1207	94+70.67	43.16'LT	854.06
CR1208	94+73.84	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



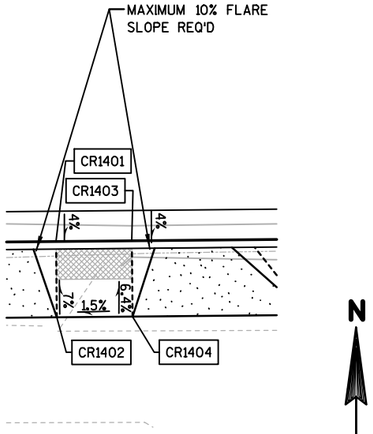
CR-12

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



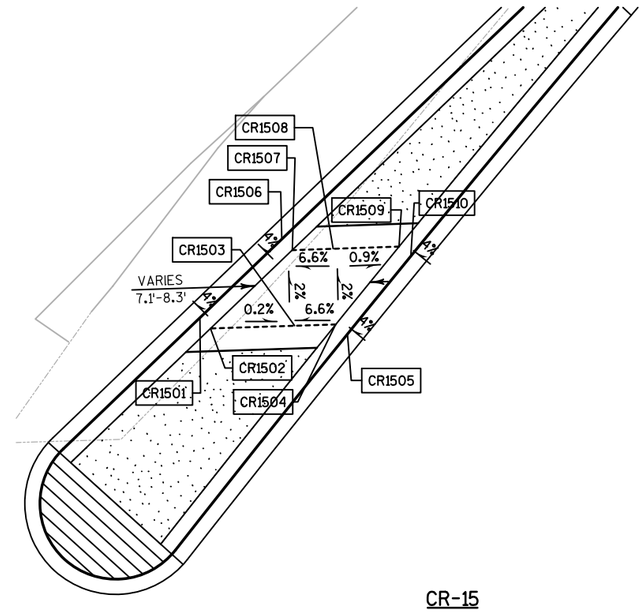
CR-13

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

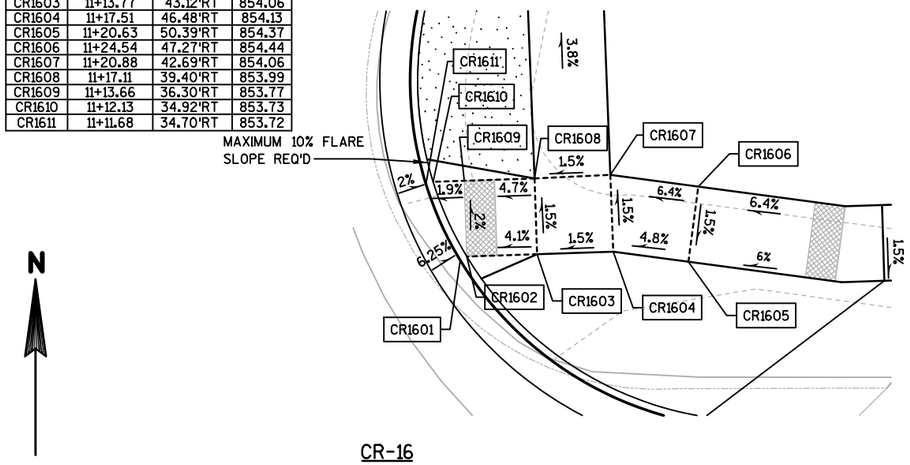


CR-15

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

2

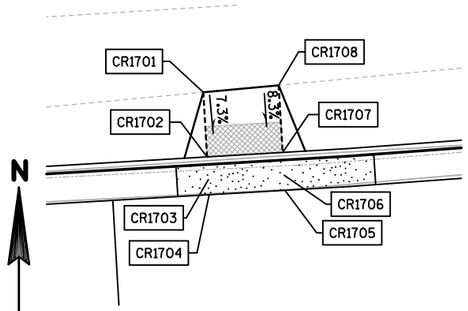
CR-16 POINTS			
POINT NO.	FORDEM AVE. STATION	OFFSET	ELEV.
CR1601	11+09.83	39.90'RT	853.86
CR1602	11+10.32	40.01'RT	853.87
CR1603	11+13.77	43.12'RT	854.06
CR1604	11+17.51	46.48'RT	854.13
CR1605	11+20.63	50.39'RT	854.37
CR1606	11+24.54	47.27'RT	854.44
CR1607	11+20.88	42.69'RT	854.06
CR1608	11+17.11	39.40'RT	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

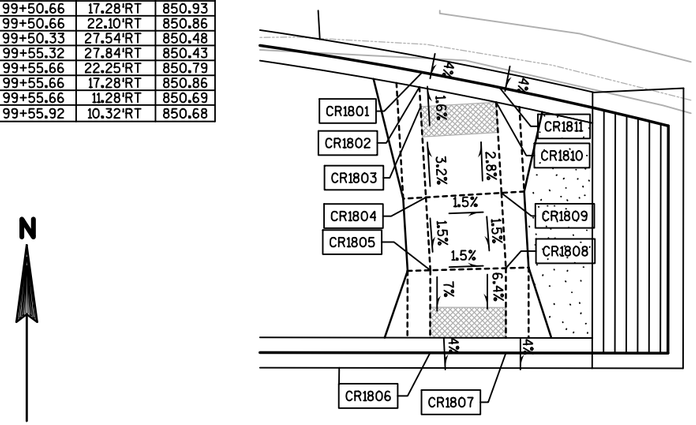
CR-17 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1701	99+50.66	36.77'LT	*
CR1702	99+50.66	32.50'LT	850.13
CR1703	99+50.66	31.00'LT	850.03
CR1704	99+50.66	30.00'LT	850.07
CR1705	99+55.66	30.00'LT	850.03
CR1706	99+55.66	31.00'LT	849.99
CR1707	99+55.66	32.50'LT	850.09
CR1708	99+55.66	36.95'LT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

* MATCH EXISTING



CR-17

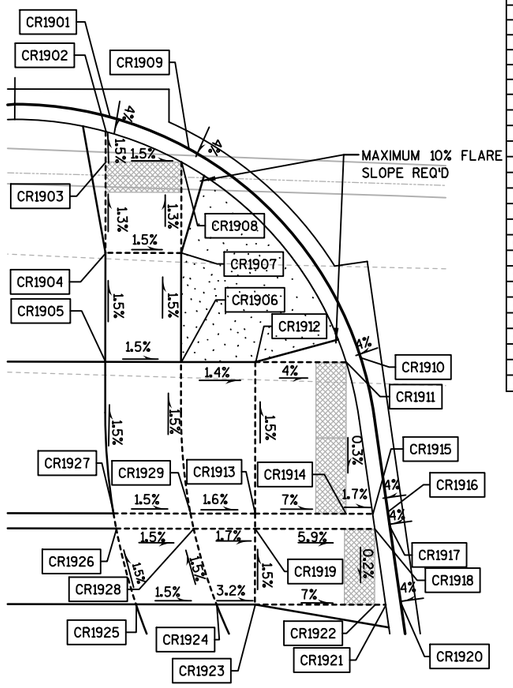
CR-18 POINTS			
POINT NO.	E. JOHNSON STREET STATION	OFFSET	ELEV.
CR1801	99+50.90	9.02'RT	850.71
CR1802	99+50.66	10.00'RT	850.72
CR1803	99+50.66	11.28'RT	850.74
CR1804	99+50.66	17.28'RT	850.93
CR1805	99+50.66	22.10'RT	850.86
CR1806	99+50.33	27.54'RT	850.48
CR1807	99+55.32	27.84'RT	850.43
CR1808	99+55.66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

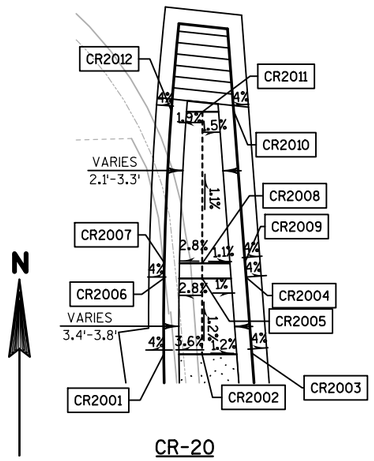
2

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

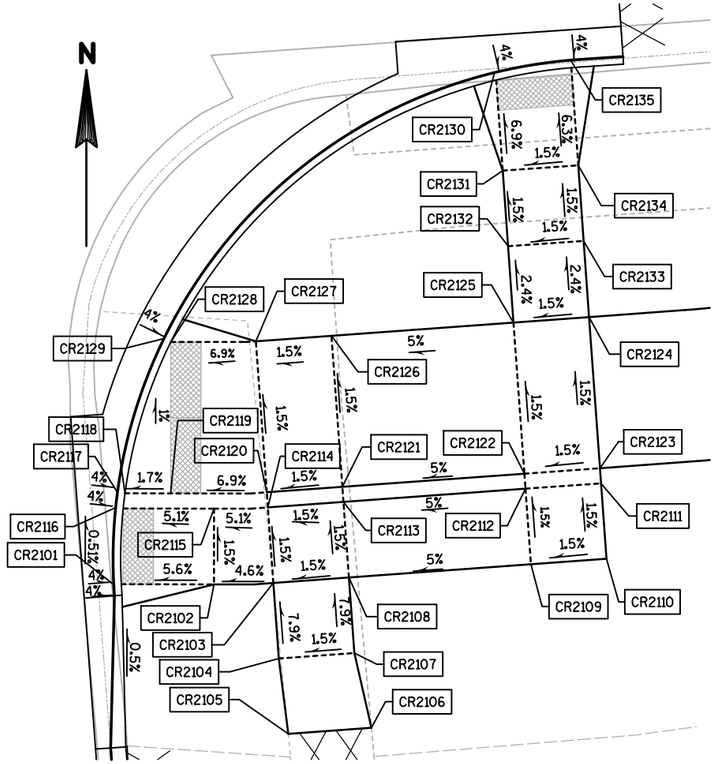
CR-20 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR2001	11+06.81	6.80'RT	849.71
CR2002	11+06.99	4.28'RT	849.80
CR2003	11+07.17	1.00'RT	849.76
CR2004	11+02.15	1.00'RT	849.71
CR2005	11+02.00	3.90'RT	849.74
CR2006	11+01.80	6.41'RT	849.67
CR2007	11+00.80	6.32'RT	849.66
CR2008	11+01.01	3.82'RT	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

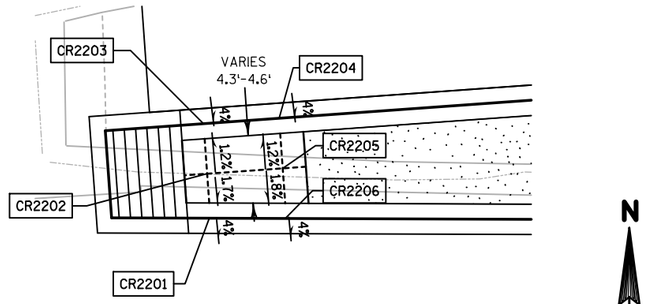


CR-21

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

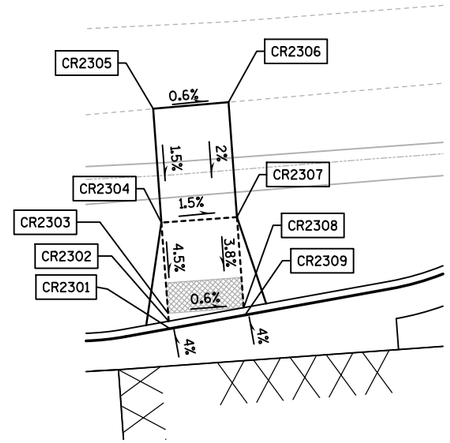


CR-22



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

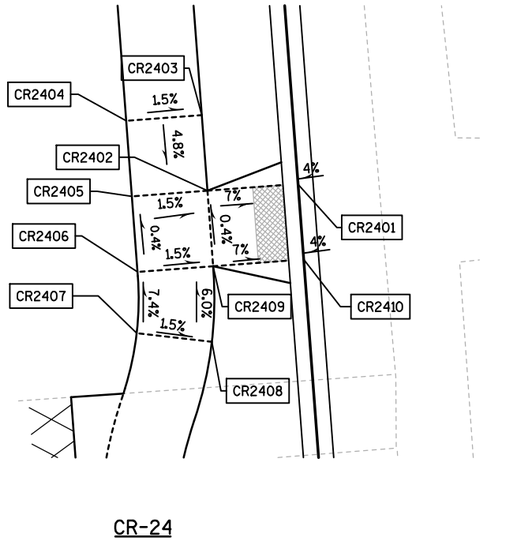
* MATCH EXISTING



CR-23



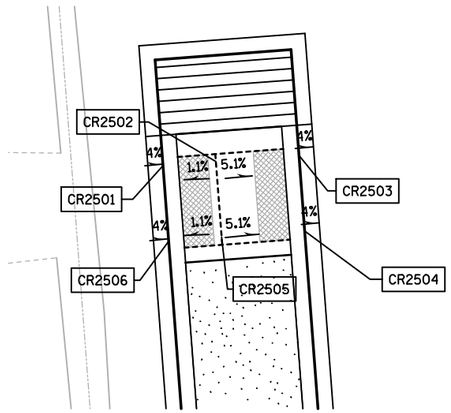
CR-24 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR2401	13+49.32	27.00'RT	850.28
CR2402	13+49.32	33.00'RT	850.70
CR2403	13+44.32	33.00'RT	850.94
CR2404	13+44.32	38.00'RT	851.01
CR2405	13+49.32	38.00'RT	850.77
CR2406	13+54.32	38.00'RT	850.79
CR2407	13+58.35	38.36'RT	851.09
CR2408	13+59.29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



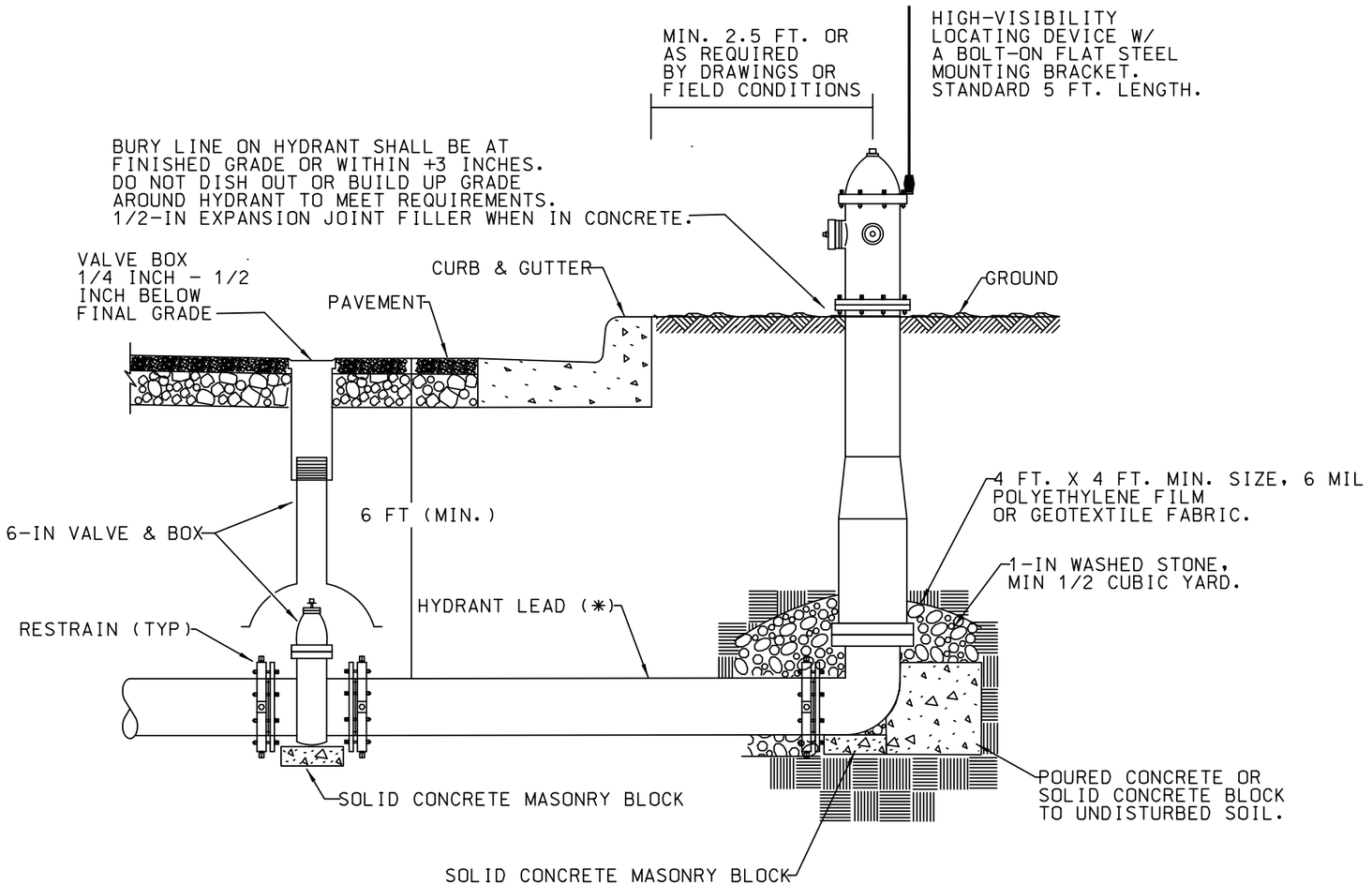
CR-25 POINTS			
POINT NO.	N. FIRST STREET STATION	OFFSET	ELEV.
CR2501	13+49.32	1.00'LT	850.80
CR2502	13+49.32	4.50'LT	850.84
CR2503	13+49.32	10.00'LT	850.56
CR2504	13+54.32	10.00'LT	850.58
CR2505	13+54.32	4.50'LT	850.86
CR2506	13+54.32	1.00'LT	850.82



CR-25



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



NOTE:

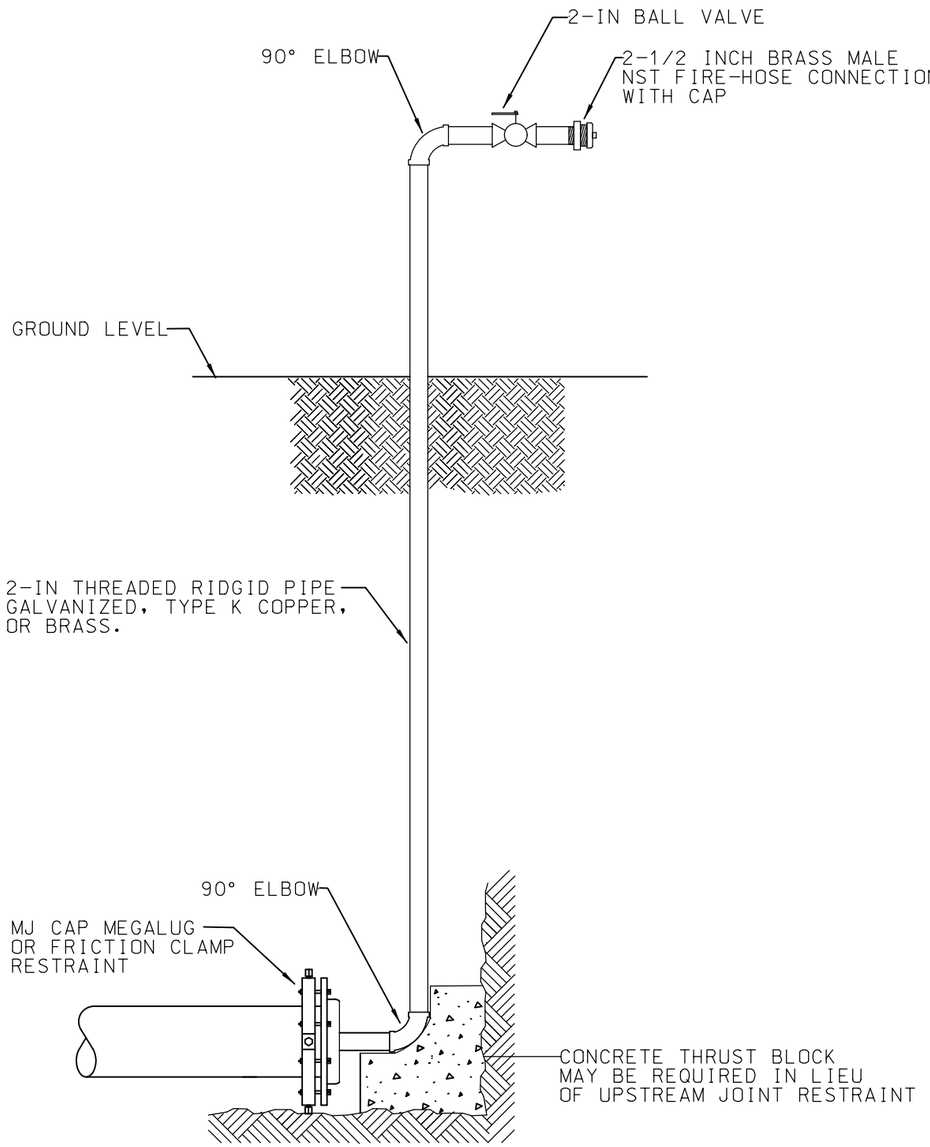
(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10 OF CITY STANDARD SPECIFICATIONS.

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	E



CITY OF MADISON
WATER UTILITY

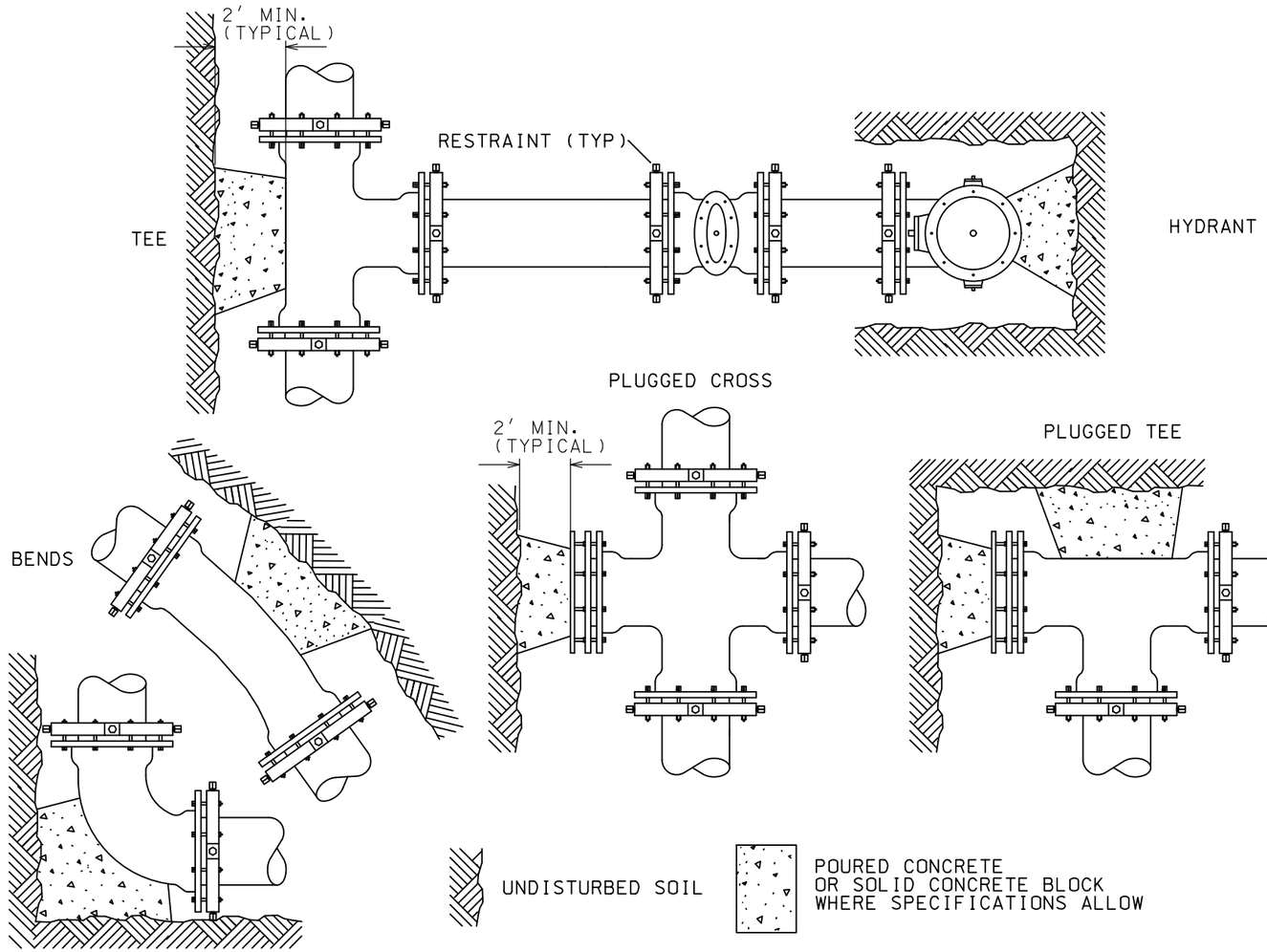
2-IN TEMPORARY FLUSHING/ BLOW OFF FOR 8-IN PIPE AND SMALLER

STANDARD DETAIL DRAWING NO. 7.07

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

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021049_cd_blow off.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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



CITY OF MADISON
WATER UTILITY

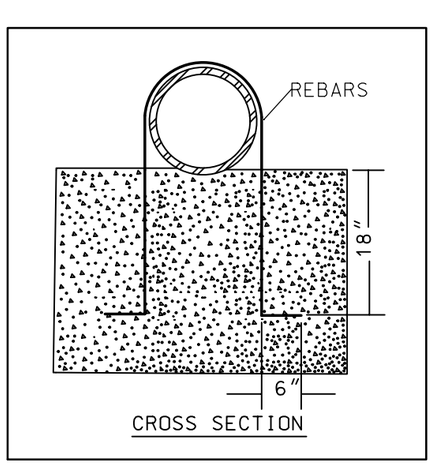
STANDARD CONCRETE BLOCK THRUST RESTRAINT

STANDARD DETAIL DRAWING NO. 7.13

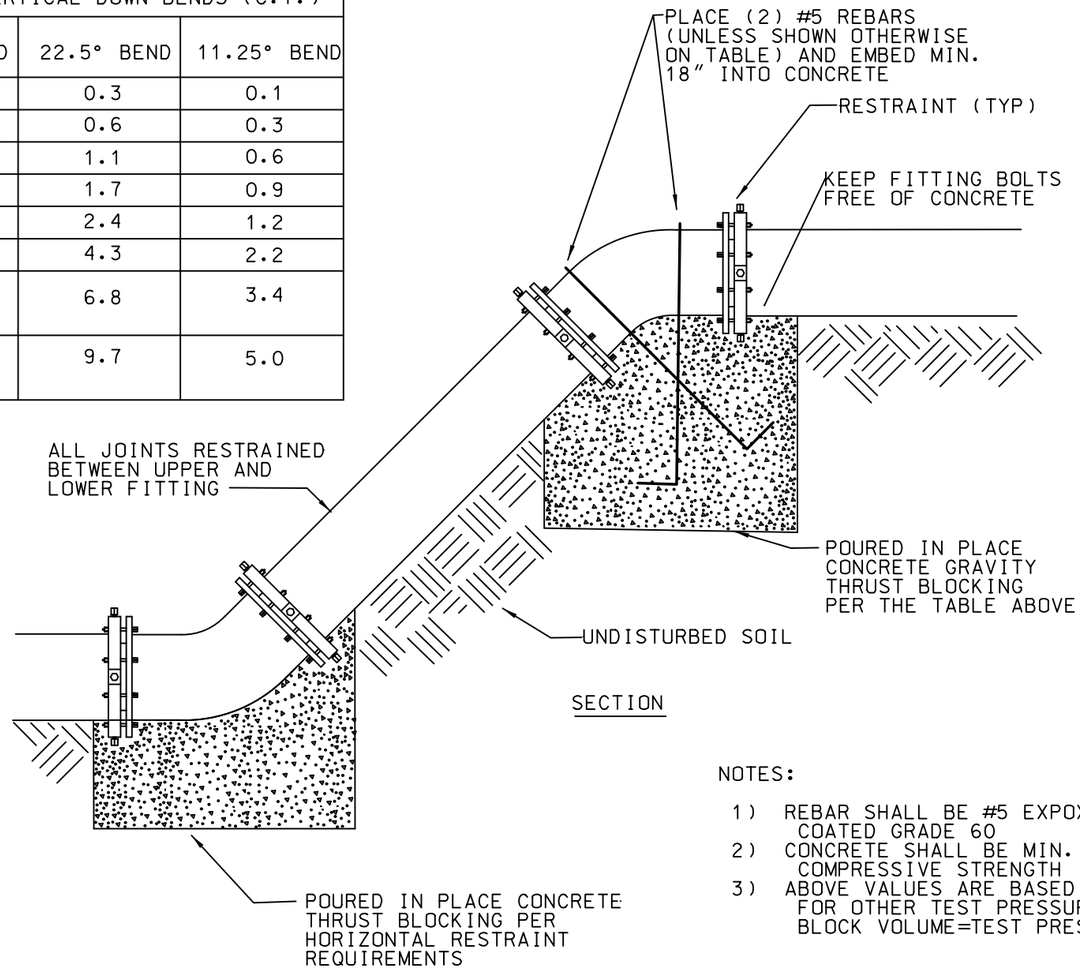
PROJECT NO: 5992-09-15	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021050_cd_concrete block thrust restraint.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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

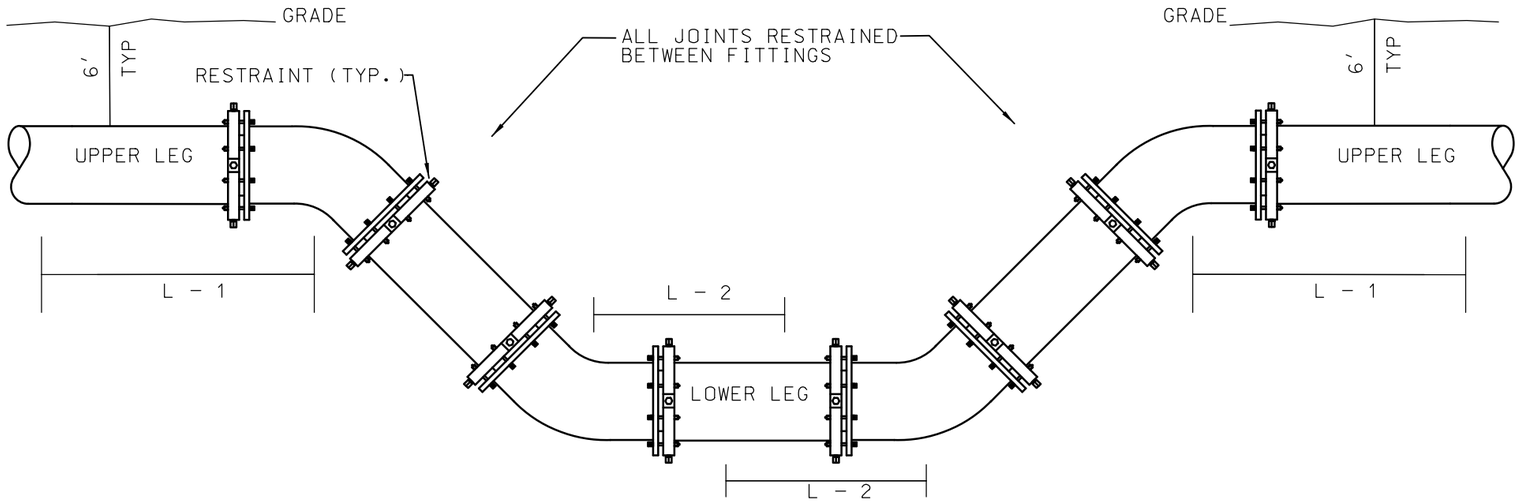
CITY OF MADISON
WATER UTILITY

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	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021051_cd_gravity block restraint for vertical bends.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



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

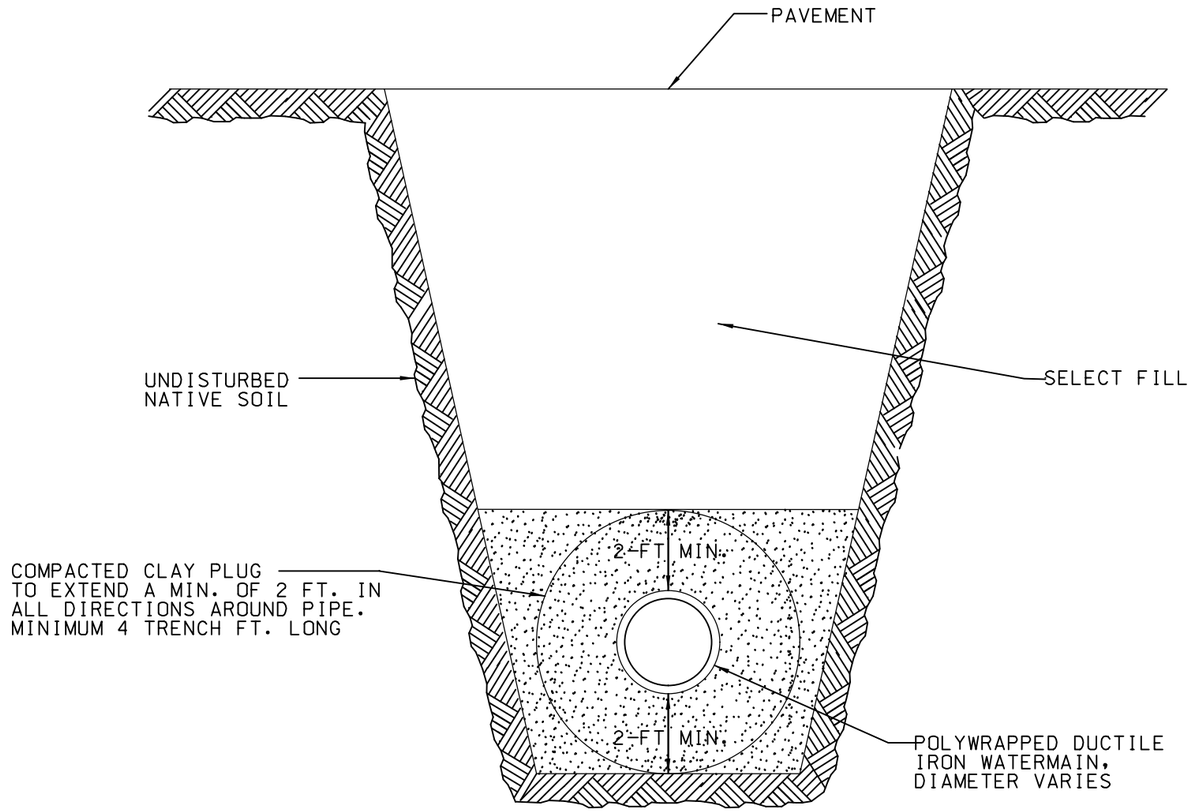
CITY OF MADISON
WATER UTILITY

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	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\021052_cd_joint restraint for vertical bends.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



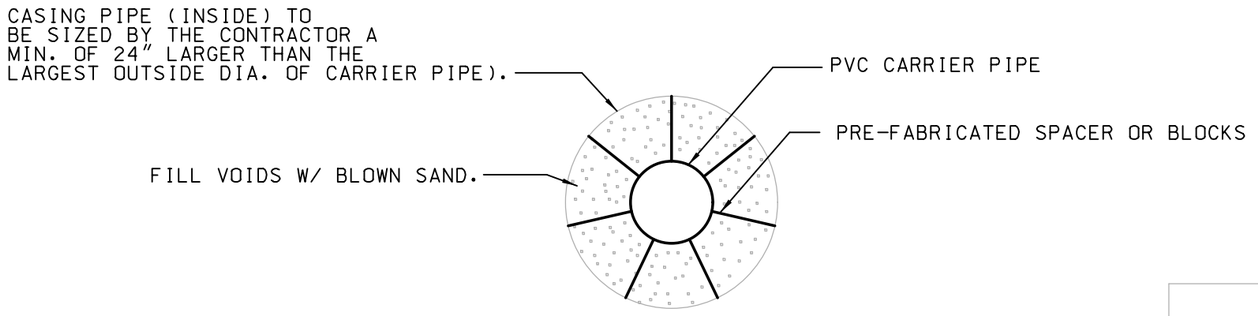
CITY OF MADISON
WATER UTILITY

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

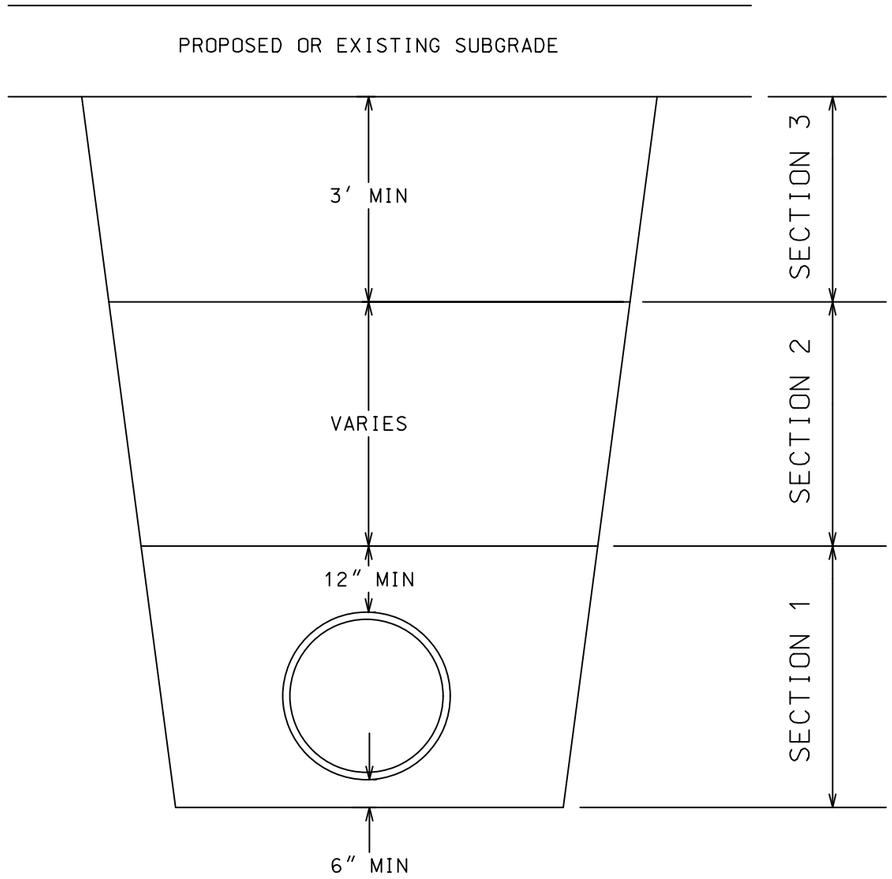
CASING PIPE DETAIL

NTS

CITY OF MADISON
ENGINEERING DIVISION

CASING PIPE DETAIL

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



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:

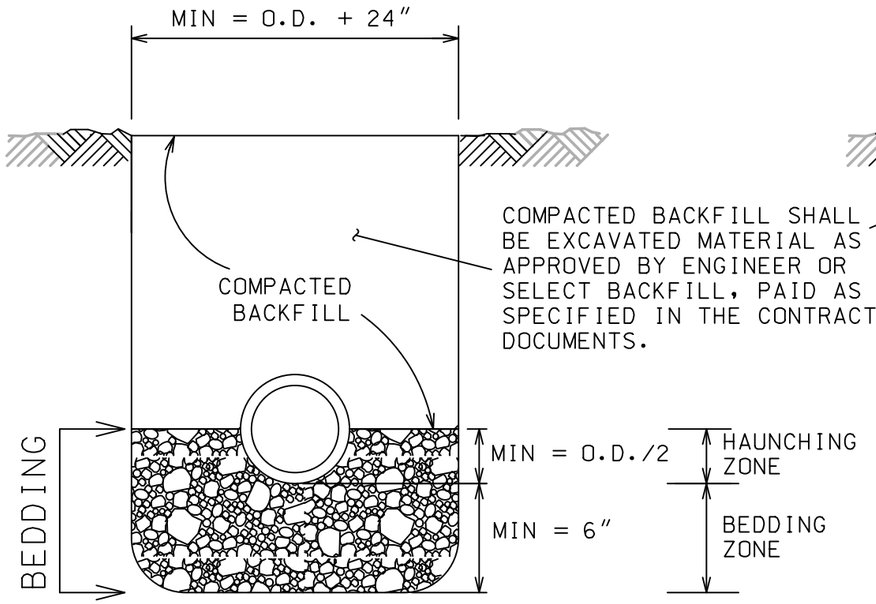
MINIMUM COMPACTION OF 95% MAXIMUM DENSITY.

CITY OF MADISON
ENGINEERING DIVISION

TYPICAL TRENCH COMPACTION

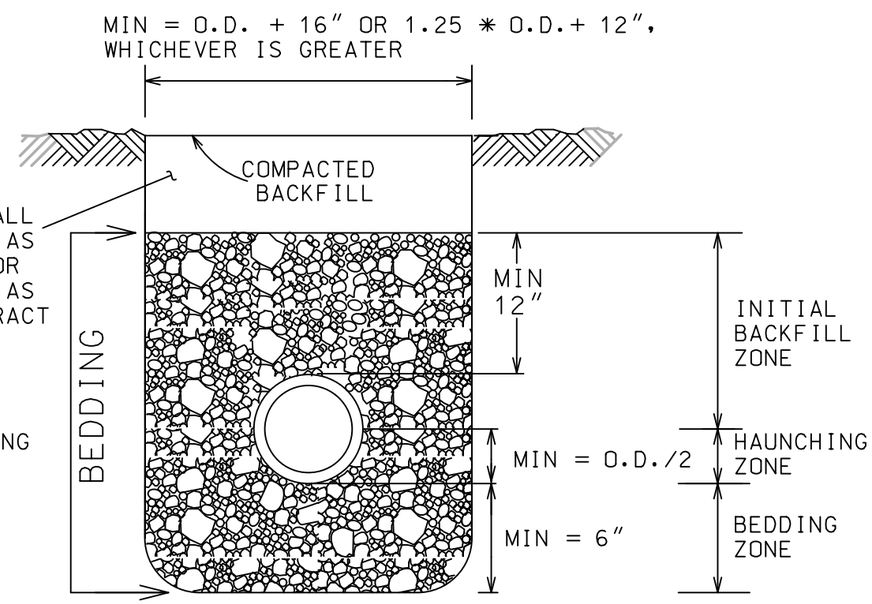
STANDARD DETAIL DRAWING 5.2.2

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

DRAWING NOT TO SCALE

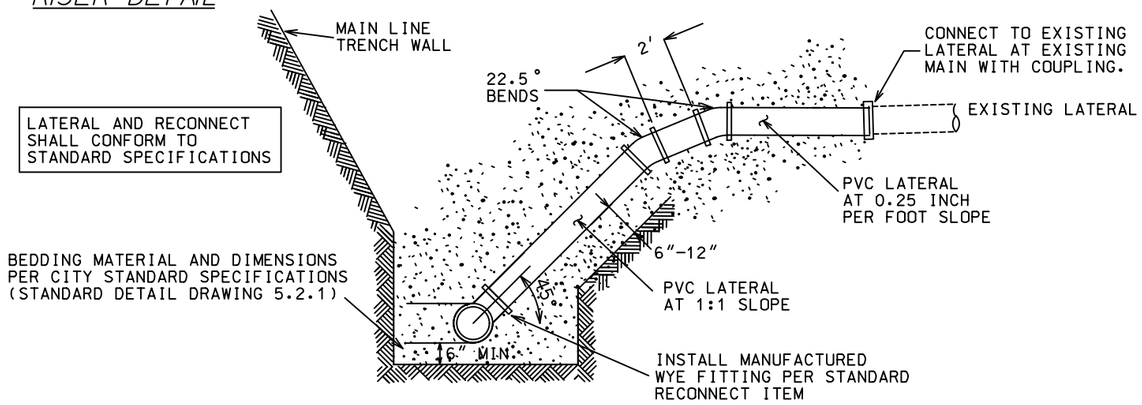
CITY OF MADISON
ENGINEERING DIVISION

PIPE BEDDING AND BACKFILL

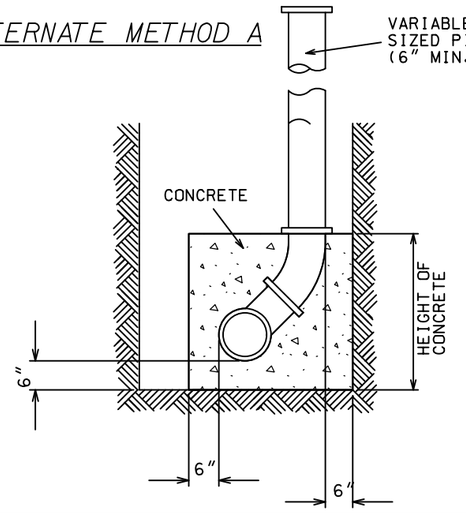
STANDARD DETAIL DRAWING 5.2.1

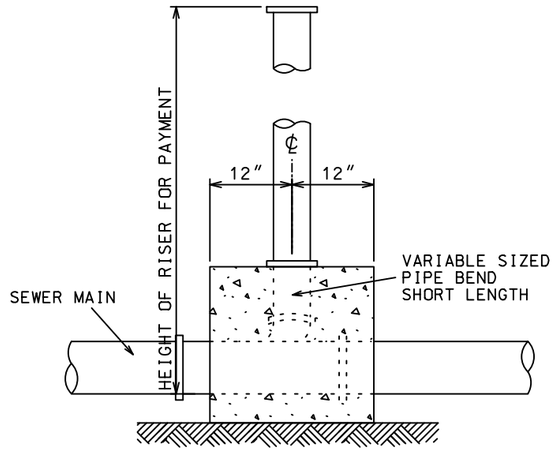
PROJECT NO:5992-09-16	HWY:E JOHNSON STREET	COUNTY:DANE	CONSTRUCTION DETAIL	SHEET	E

RISER DETAIL

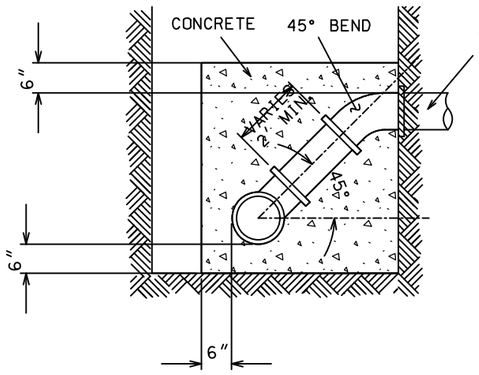


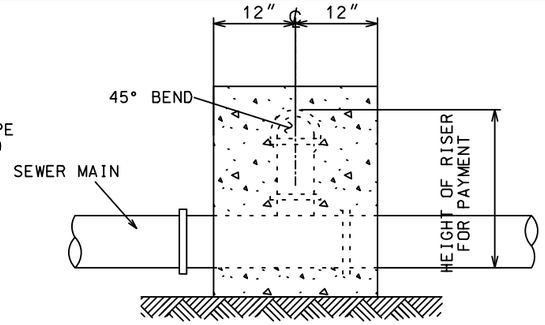
ALTERNATE METHOD A





ALTERNATE METHOD B





CITY OF MADISON
ENGINEERING DIVISION

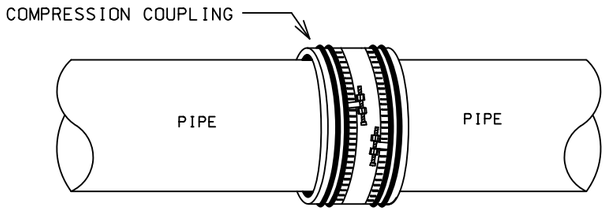
RISER DETAIL

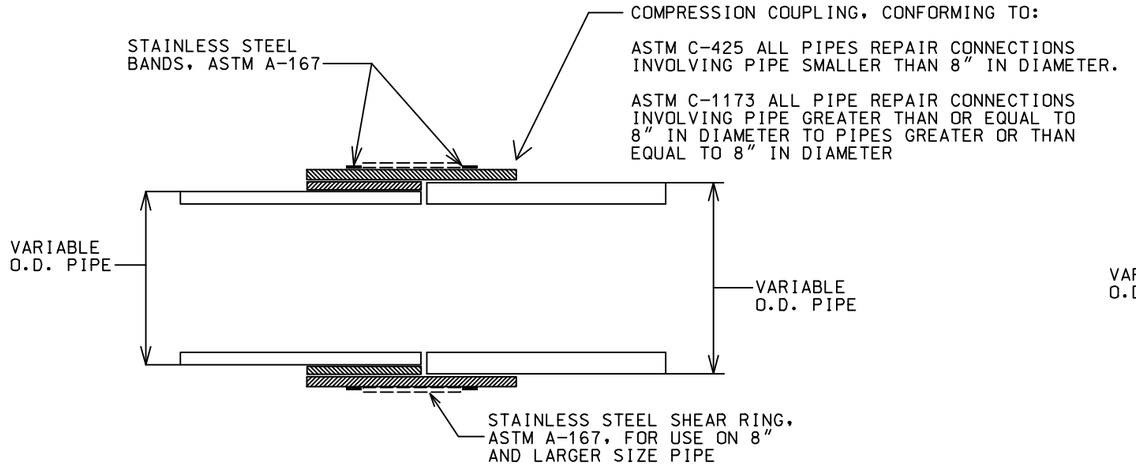
STANDARD DETAIL DRAWING 5.3.1

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

COMPRESSION COUPLING

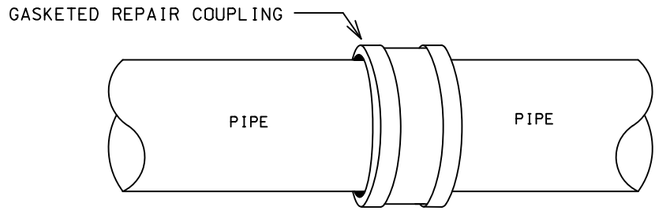
PIPES WITH DIFFERENT MATERIAL TYPES
PIPES WITH DIFFERENT OUTSIDE DIAMETERS

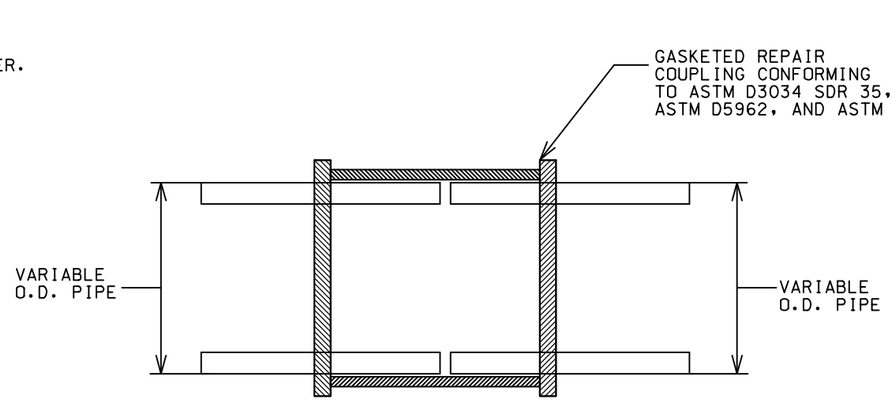




GASKETED REPAIR COUPLING

PVC TO PVC CONNECTION





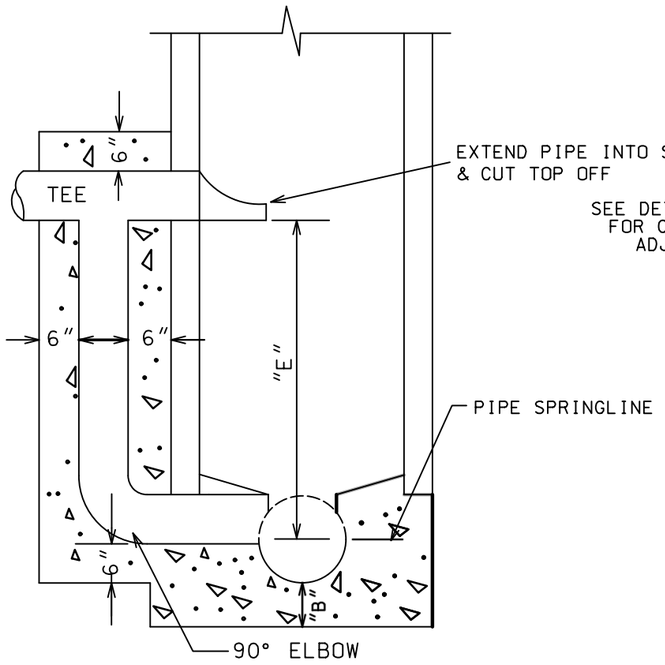
ALL REPAIRS INVOLVING PIPE CONNECTIONS 8" IN DIAMETER TO 8" IN DIAMETER OR LARGER SHALL UTILIZE THE FERNCO RC STRONGBACK OR EQUIVALENT REPAIR COUPLING. (ASTM C1173).

CITY OF MADISON
ENGINEERING DIVISION

COUPLING DETAILS

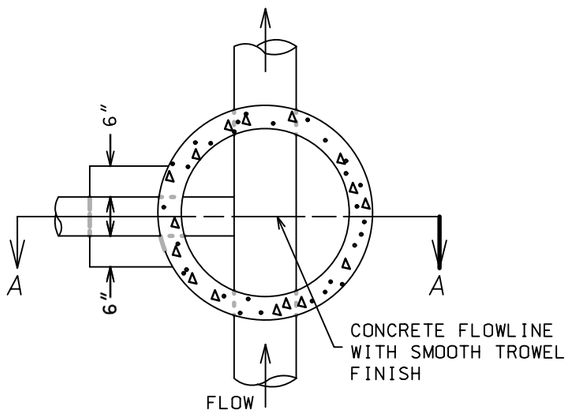
STANDARD DETAIL DRAWING 5.3.3

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

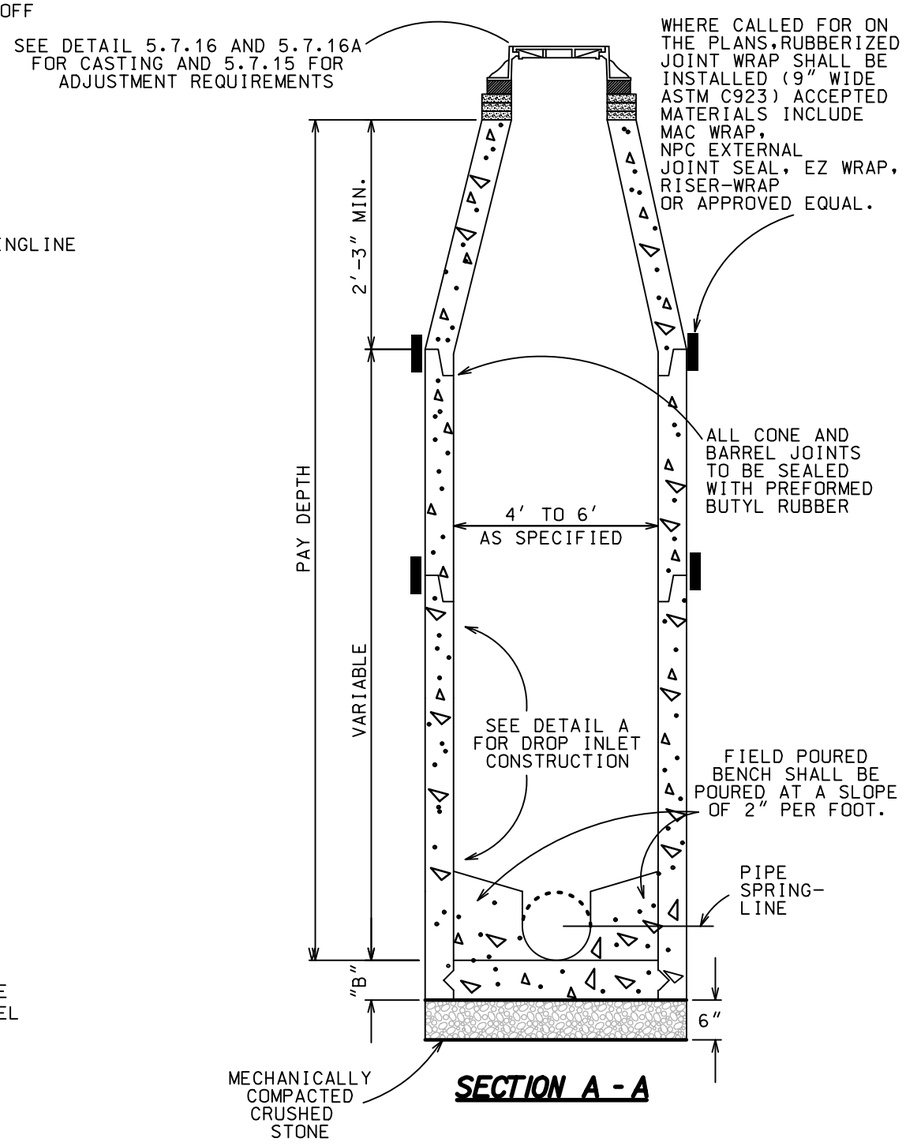


DETAIL A

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.

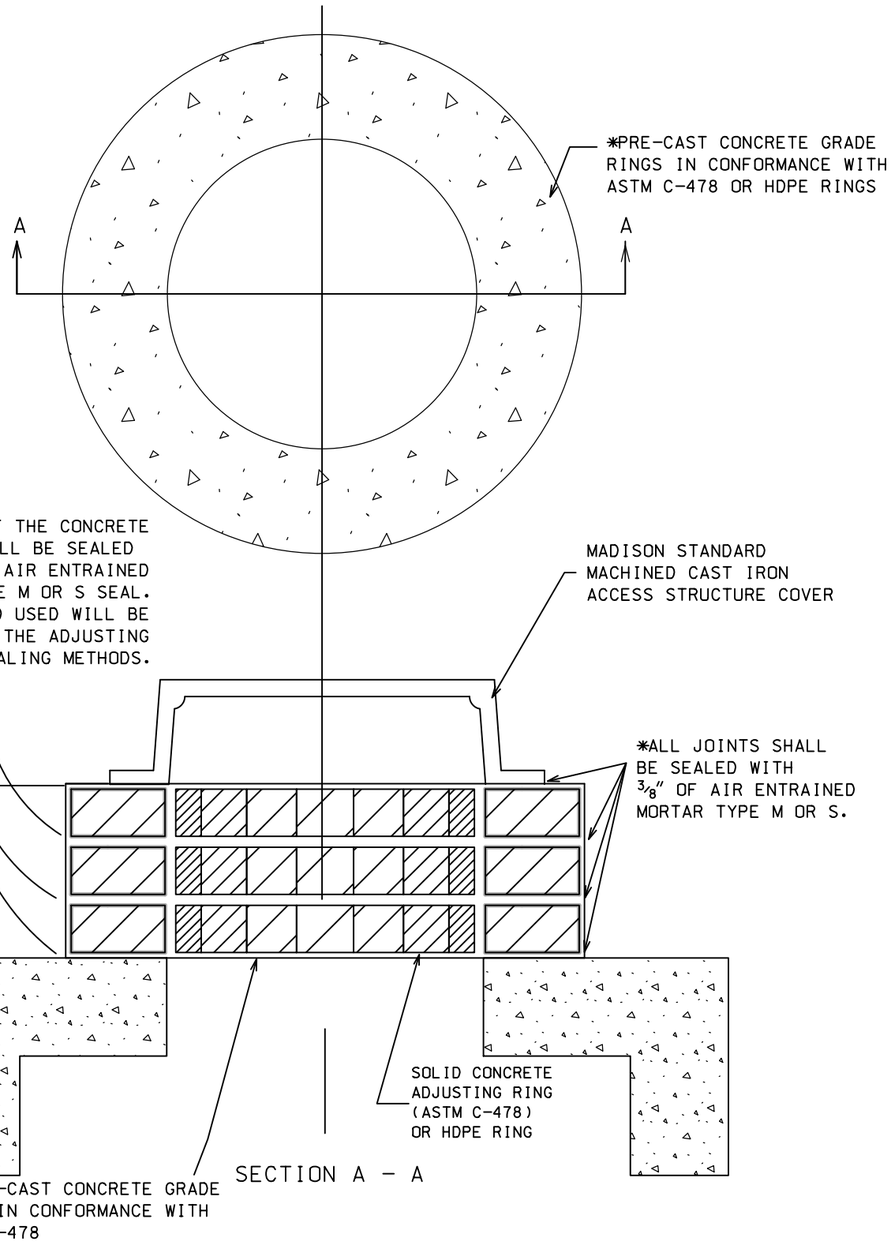
9) PRECAST SANITARY SEWER ACCESS STRUCTURES FOR STREET RECONSTRUCTION PROJECTS AND FOR STREET EXCAVATION PERMITS REQUIRE PRECAST SHOP DRAWING APPROVAL FROM CITY ENGINEERING. PRIOR TO BEING FABRICATED BY THE MANUFACTURER NO PRECAST SHOP DRAWINGS ARE REQUIRED FOR NEW CONSTRUCTION IN SUBDIVISION DEVELOPMENTS.

CITY OF MADISON
ENGINEERING DIVISION

SANITARY SEWER PRECAST SAS

STANDARD DETAIL DRAWING 5.7.2

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



SECTION A – A

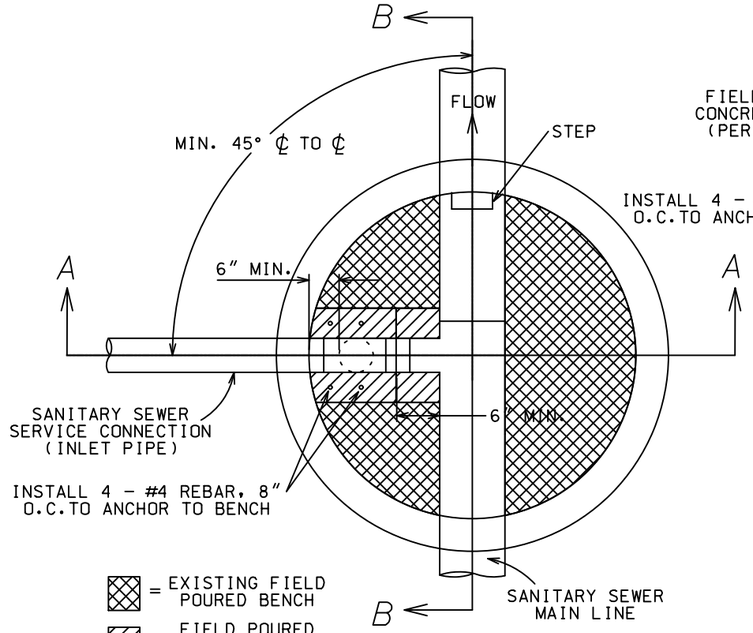
** NOTE: HDPE ADJUSTMENT RINGS (LADTECH OR APPROVED EQUAL) MEETING AASHTO HS25 SPECS, ASTM D-1248 INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WILL BE CONSIDERED AN ACCEPTABLE ALTERNATE TO PRECAST RINGS.
IF PRO-RINGS ARE INSTALLED FOR THE WHOLE ADJUSTMENT, CONTRACTOR WILL BE PAID FOR AN 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

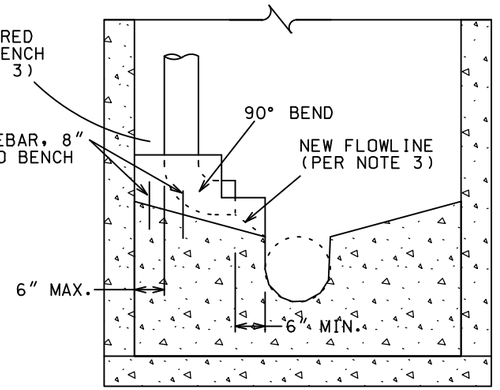
SAS CHIMNEY AND CASTING

STANDARD DETAIL DRAWING 5.7.15

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



TOP VIEW



SIDE VIEW

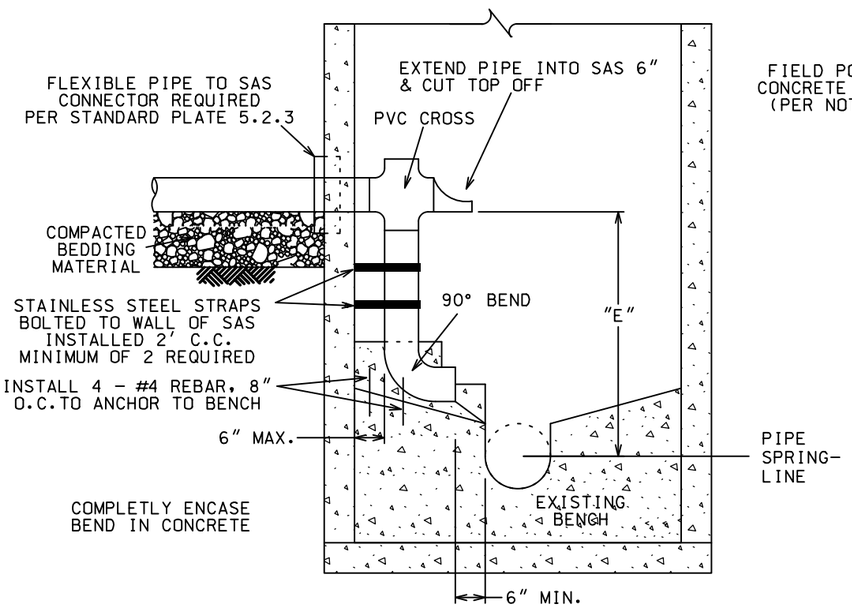
FIELD POURED
CONCRETE BENCH

NOTES:

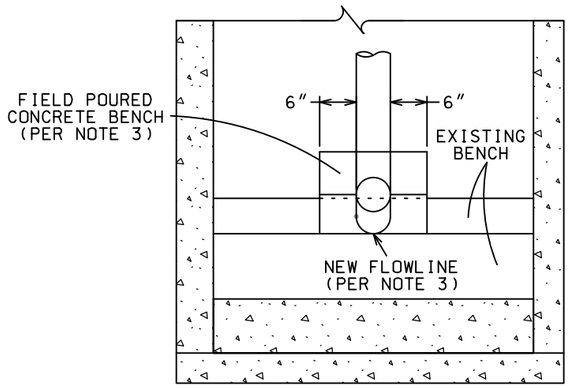
1) INSIDE DROP INLETS SHALL BE USED ONLY WHERE SITE CONDITIONS MAKE AN OUTSIDE DROP CONNECTION INFEASIBLE TO CONSTRUCT. THIS DETERMINATION SHALL BE MADE BY THE ENGINEER IN THE FIELD. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR INSTALLATION OF THE INSIDE DROP INLET FROM THE ENGINEER PRIOR TO CONSTRUCTION.

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



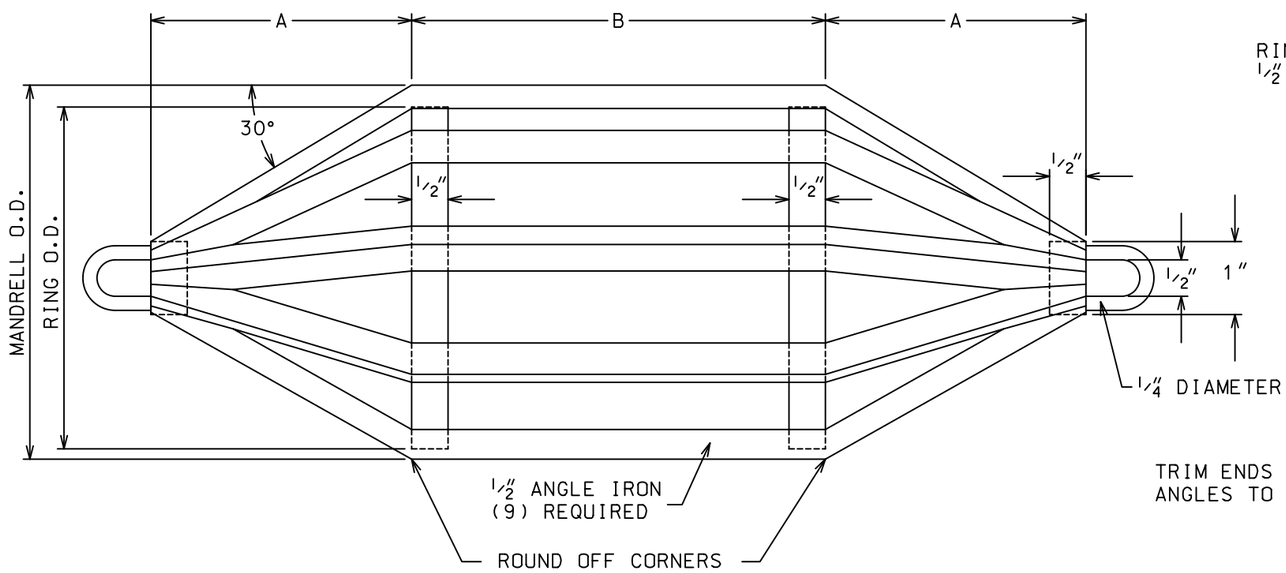
SECTION B-B

CITY OF MADISON
ENGINEERING DIVISION

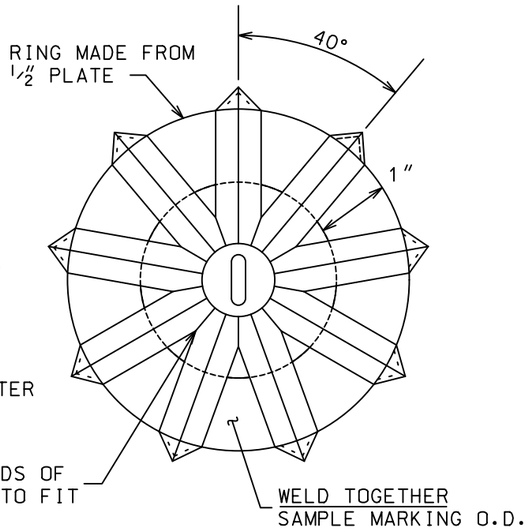
INSIDE DROP FOR SANITARY MAIN AND LATERAL

STANDARD DETAIL DRAWING 5.7.30

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

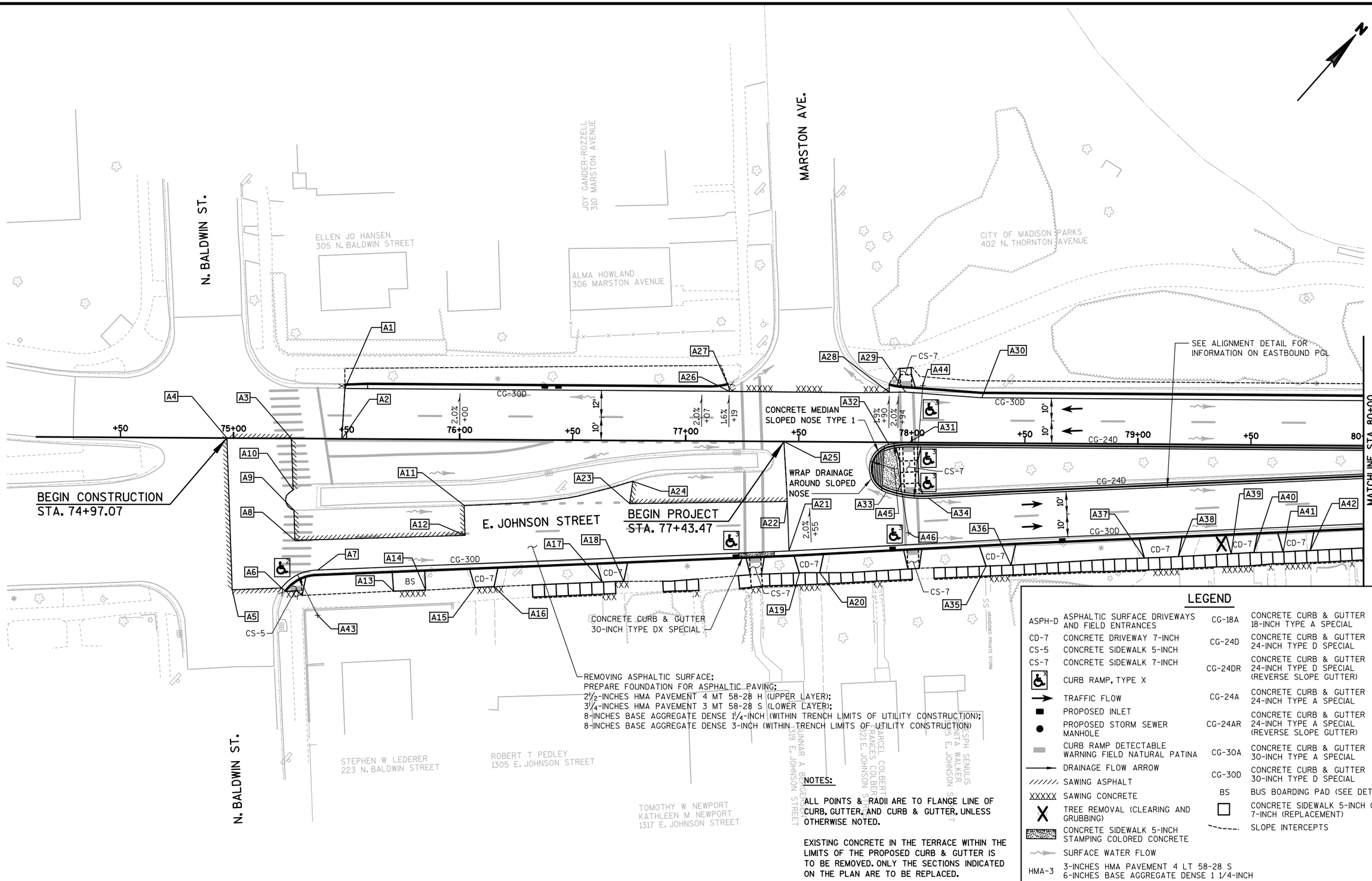
AFTER CONSTRUCTION IS COMPLETE, TRUE THE O.D. DIMENSION FOR THE FULL LENGTH OF "B" TO +/-0.010" BY TOOL AND LATHE OR GRINDING.

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	E



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	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

2

TENNEY PARK LAGOON

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

BS

CS-5

CS-7 (CURB RAMP)

MATCHLINE STA. 80+00

MATCHLINE STA. 86+00

B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15 B16 B17 B18 B19 B20 B21 B22 B23 B24 B25 B26 B27 B28 B29 B30 B31 B32 B33 B34 B35 B36 B37 B38 B39 B40 B41 B42 B43 B44 B45 B46 B47 B48 B49 B50

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

CG-24D CG-24DR CG-30D CG-24A CG-24AR

CD-7 CS-7 CS-5

4-INCH CURB HEAD HEIGHT REQ'D

WRAP DRAINAGE AROUND SLOPED NOSE

CONCRETE MEDIAN SLOPED NOSE TYPE 1 (TYP.)

E. JOHNSON STREET

10' 10' 8' 10' 10' 10'

2.0% +95

0.7% 0.7%

ASPH-D

BS

PROTECT EXISTING TREES; HAND-FORM CURB AS NEEDED

CENTERLINE LOCATION

SEE ALIGNMENT DETAIL FOR INFORMATION ON EASTBOUND PGL

BEJAMIN ALTSCHUL
211 N. DICKINSON STREET

KEELY GORSCHE
1415 E. JOHNSON STREET

JESSICA MULHALL
1425 E. JOHNSON STREET

KEVIN GLUNN
1353 E. JOHNSON STREET

IRENE KILCOYNE
1343 E. JOHNSON STREET

N. DICKINSON ST.

REMOVING ASPHALTIC SURFACE;
PREPARE FOUNDATION FOR ASPHALTIC PAVING;
3-INCHES HMA PAVEMENT 4 LT 58-28 S (SINGLE LAYER);
9-INCHES BASE AGGREGATE DENSE 1¼-INCH (WITHIN TRENCH LIMITS OF UTILITY CONSTRUCTION)

NOTES:

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

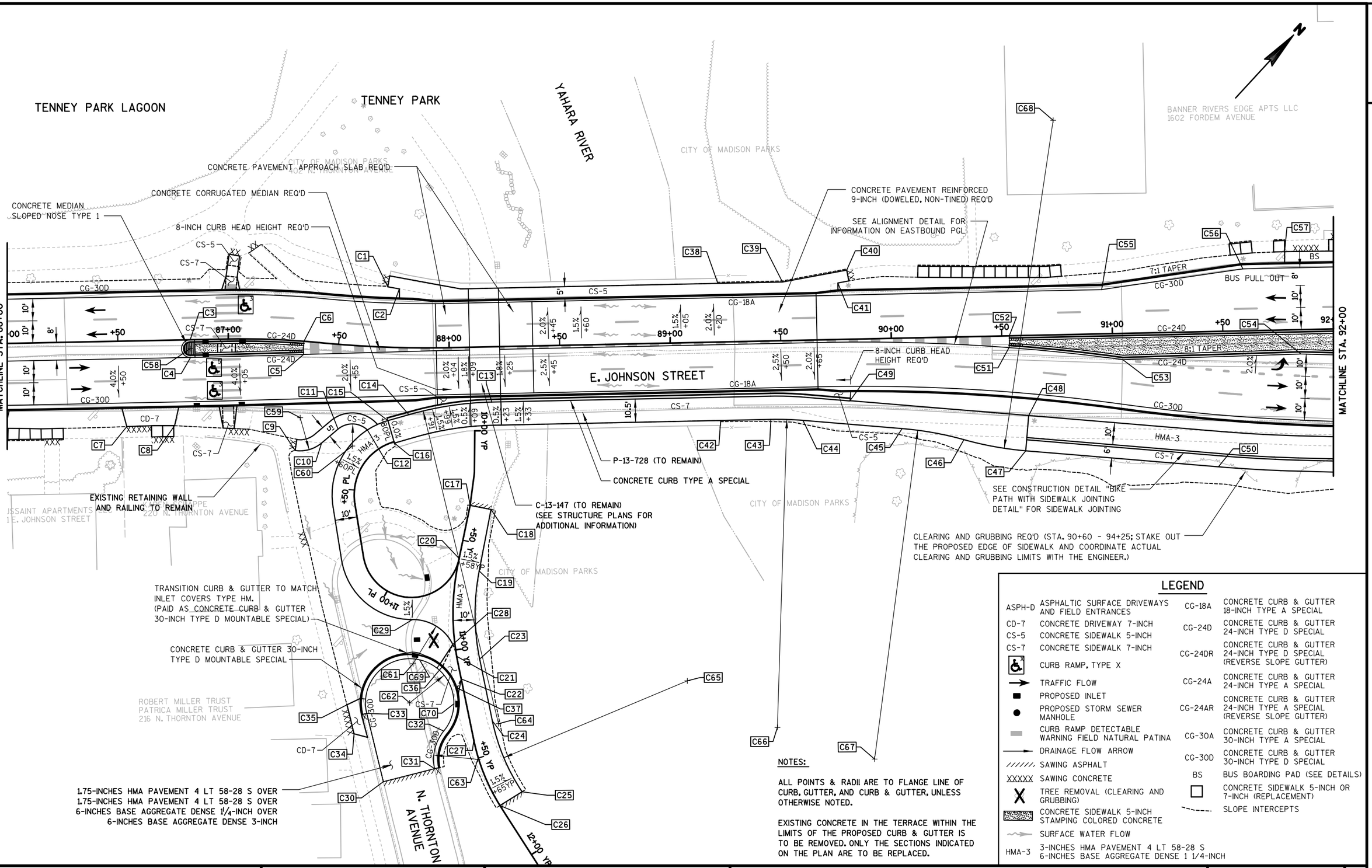
EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

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		
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		

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET	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	849.40	488,876.97	825,873.94	EOP; END RADIUS
B32	84+31.89	0.00'RT	849.32	488,882.88	825,868.56	EOP; BEGIN RADIUS
B33	85+70.45	0.00'RT	848.79	488,978.91	825,968.45	EOP; BEGIN RADIUS
B34	85+70.66	7.99'RT	848.79	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



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - E. JOHNSON STREET	SHEET	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	---	---	---	---	850.83	489,056.73	826,049.40	EOP; BEGIN RADIUS
C4	86+82.74	8.00'RT	---	---	---	---	850.78	489,050.97	826,054.94	EOP; END RADIUS
C5	87+34.48	6.00'RT	---	---	---	---	853.93	489,086.60	826,091.56	EOP; END CONCRETE CURB & GUTTER; BEGIN CONCRETE CORRUGATED MEDIAN
C6	87+34.27	0.00'RT	---	---	---	---	853.98	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	---	---	---	---	857.22	489,128.54	826,168.71	FOW; END RADIUS
C14	87+82.27	30.30'RT	---	---	---	---	855.98	489,098.93	826,139.99	FOW; BEGIN RADIUS
C15	87+73.45	33.27'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

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

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

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

CG-24D

MATCHLINE STA. 92+00

MATCHLINE STA. 98+00

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

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

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

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

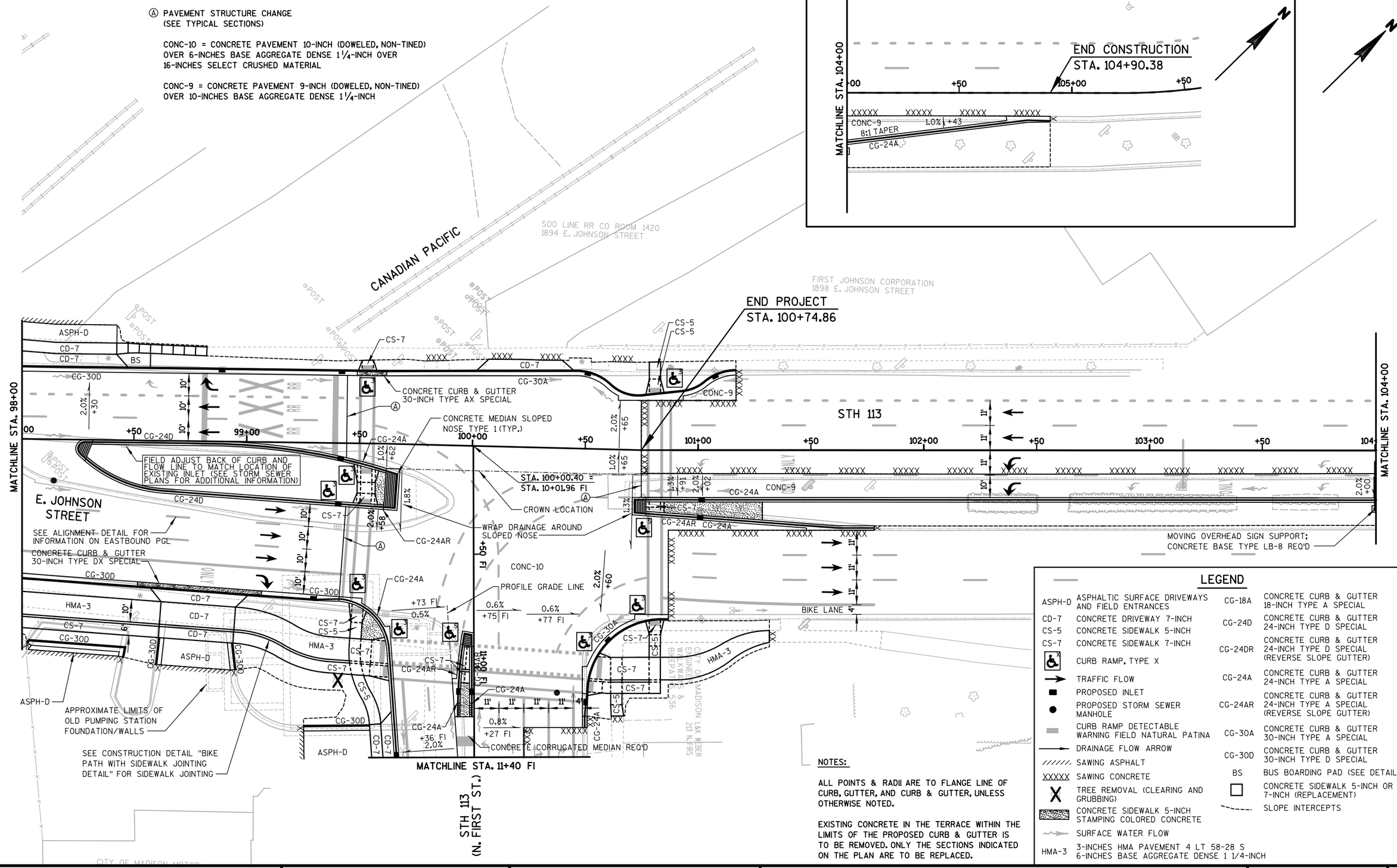
POINT NO.	EAST JOHNSON STREET		FORDEM AVENUE		ELEV.	Y	X	REMARKS
	STATION	OFFSET	STATION	OFFSET				
D1	92+04.83	10.00'RT	---	---	---	489,407.22	826,436.36	END STAMPING COLORED CONCRETE
D2	92+04.83	2.00'RT	---	---	---	489,412.99	826,430.81	END STAMPING COLORED CONCRETE
D3	93+54.49	9.98'RT	---	---	---	489,505.24	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	---	---	855.12	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	---	---	855.03	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	---	---	855.01	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	854.77	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	---	---	853.41	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	---	---	854.58	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	---	---	854.82	489,685.43	826,736.15	EOP; BOC
D85	94+77.78	4.00'RT	---	---	---	489,590.48	826,638.00	R=4'

POINT NO.	EAST JOHNSON STREET		FORDEM AVENUE		ELEV.	Y	X	REMARKS
	STATION	OFFSET	STATION	OFFSET				
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	---	---	853.54	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	---	---	853.53	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	---	---	855.05	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	---	---	855.23	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	---	---	853.52	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	---	---	853.13	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	---	---	853.14	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	---	---	853.08	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	---	---	853.00	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		

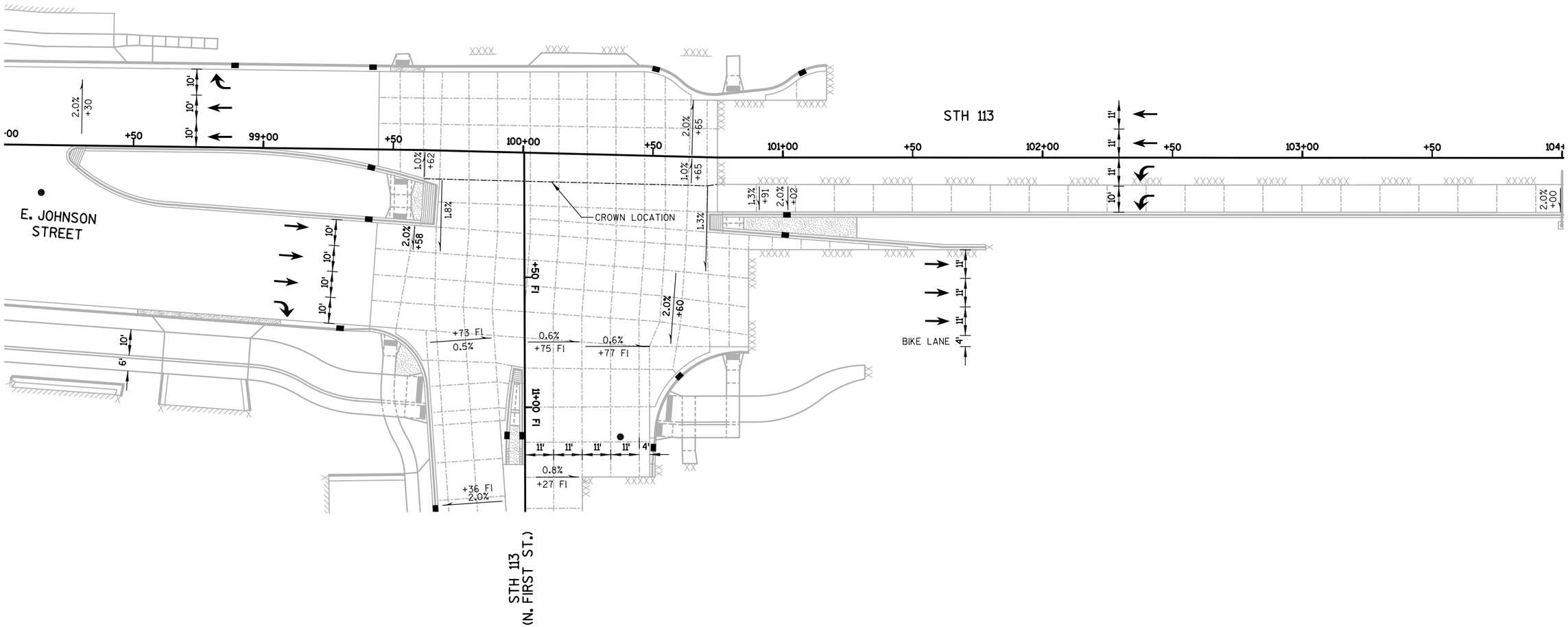
NOTES:

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	E

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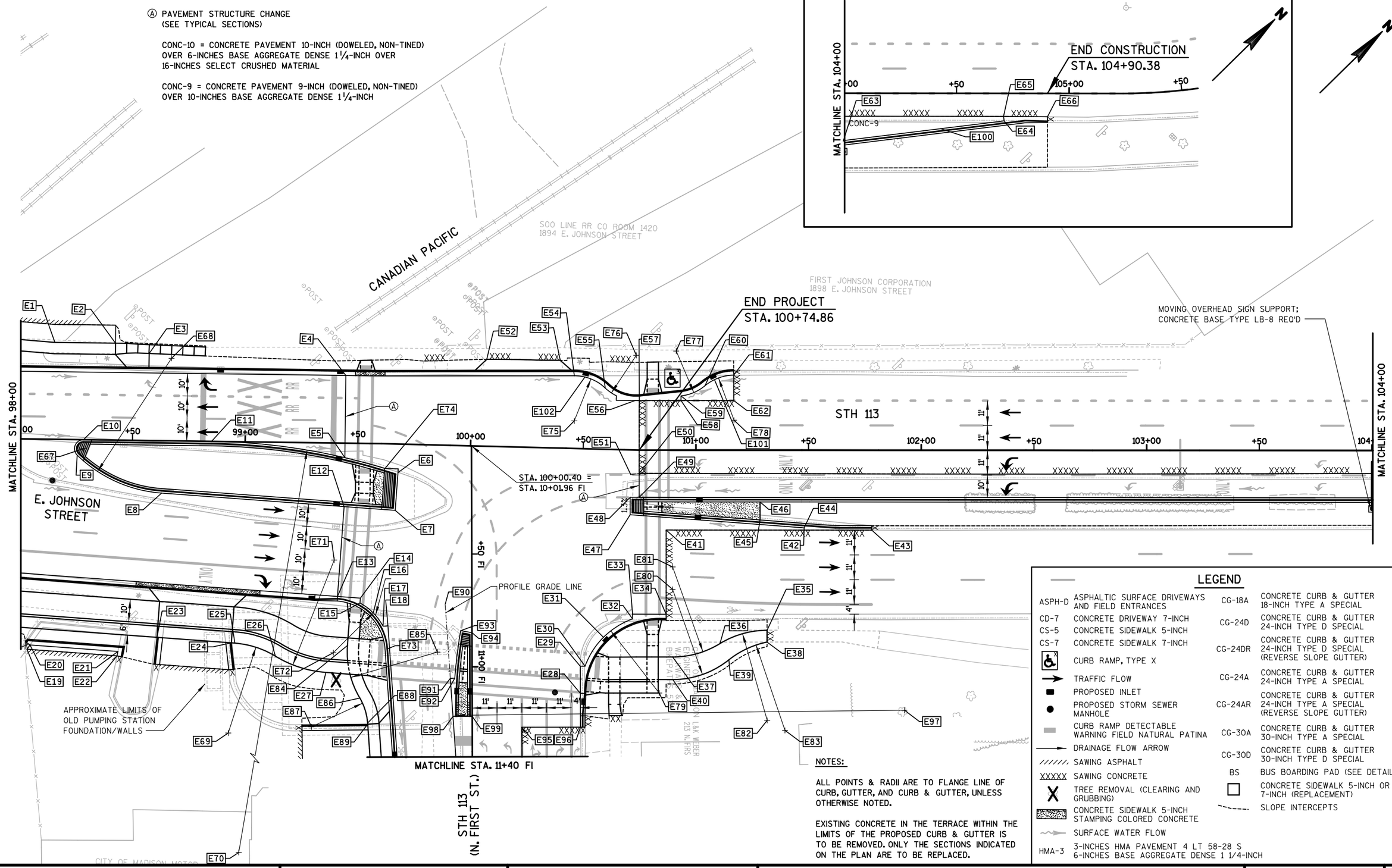


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - FIRST STREET INTERSECTION JOINT LAYOUT	SHEET	E

Ⓐ PAVEMENT STRUCTURE CHANGE
(SEE TYPICAL SECTIONS)

CONC-10 = CONCRETE PAVEMENT 10-INCH (DOWELED, NON-TINED)
OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH OVER
16-INCHES SELECT CRUSHED MATERIAL

CONC-9 = CONCRETE PAVEMENT 9-INCH (DOWELED, NON-TINED)
OVER 10-INCHES BASE AGGREGATE DENSE 1¼-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.

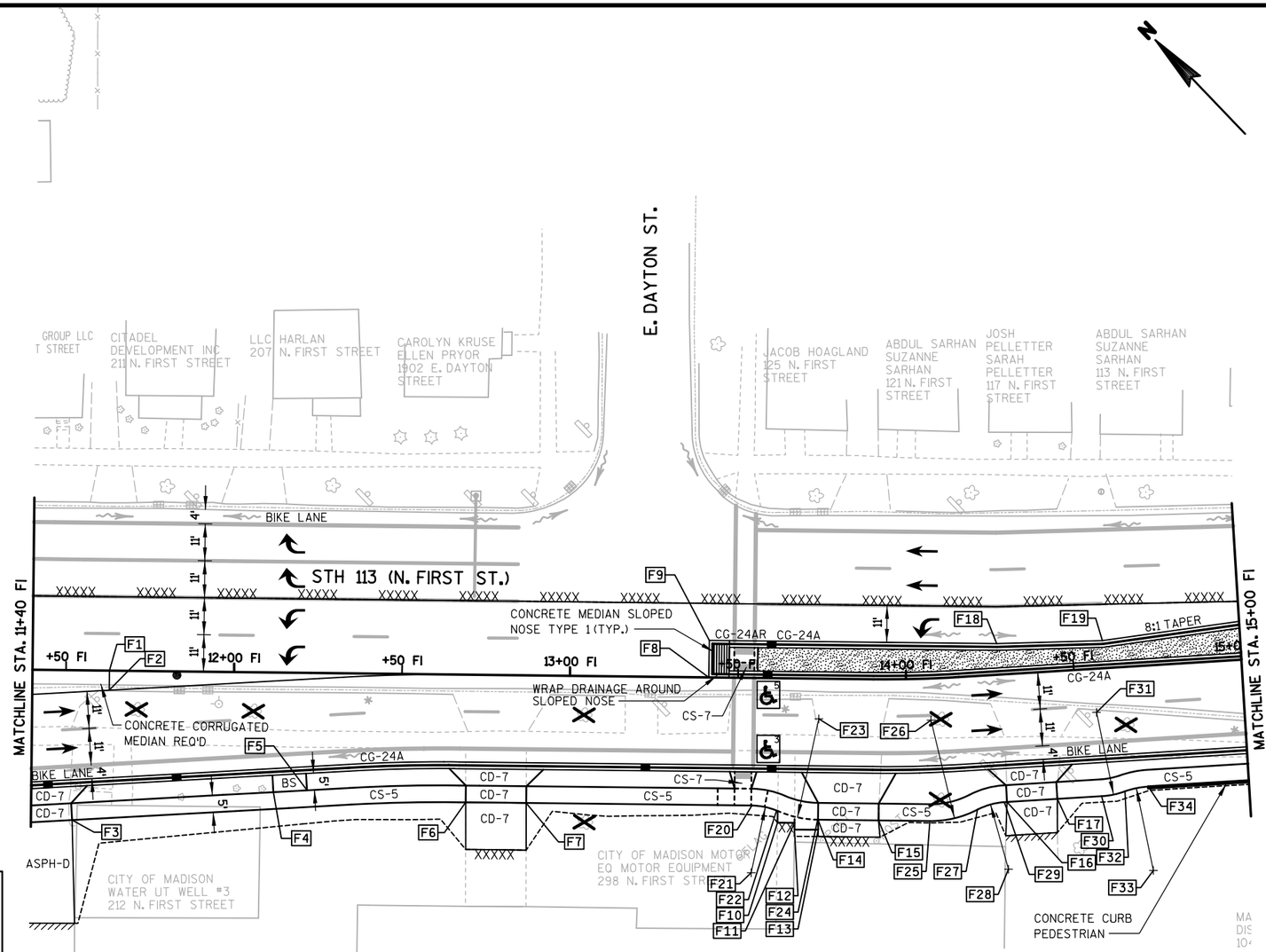
EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

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

POINT NO.	EAST JOHNSON STREET		N. FIRST STREET		ELEV.	Y	X	REMARKS
	STATION	OFFSET	STATION	OFFSET				
E52	100+06.23	38.56'LT	---	---	---	489,986.87	826,989.82	MATCH EXIST.; FOW
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	849.48	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		
	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)
	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		

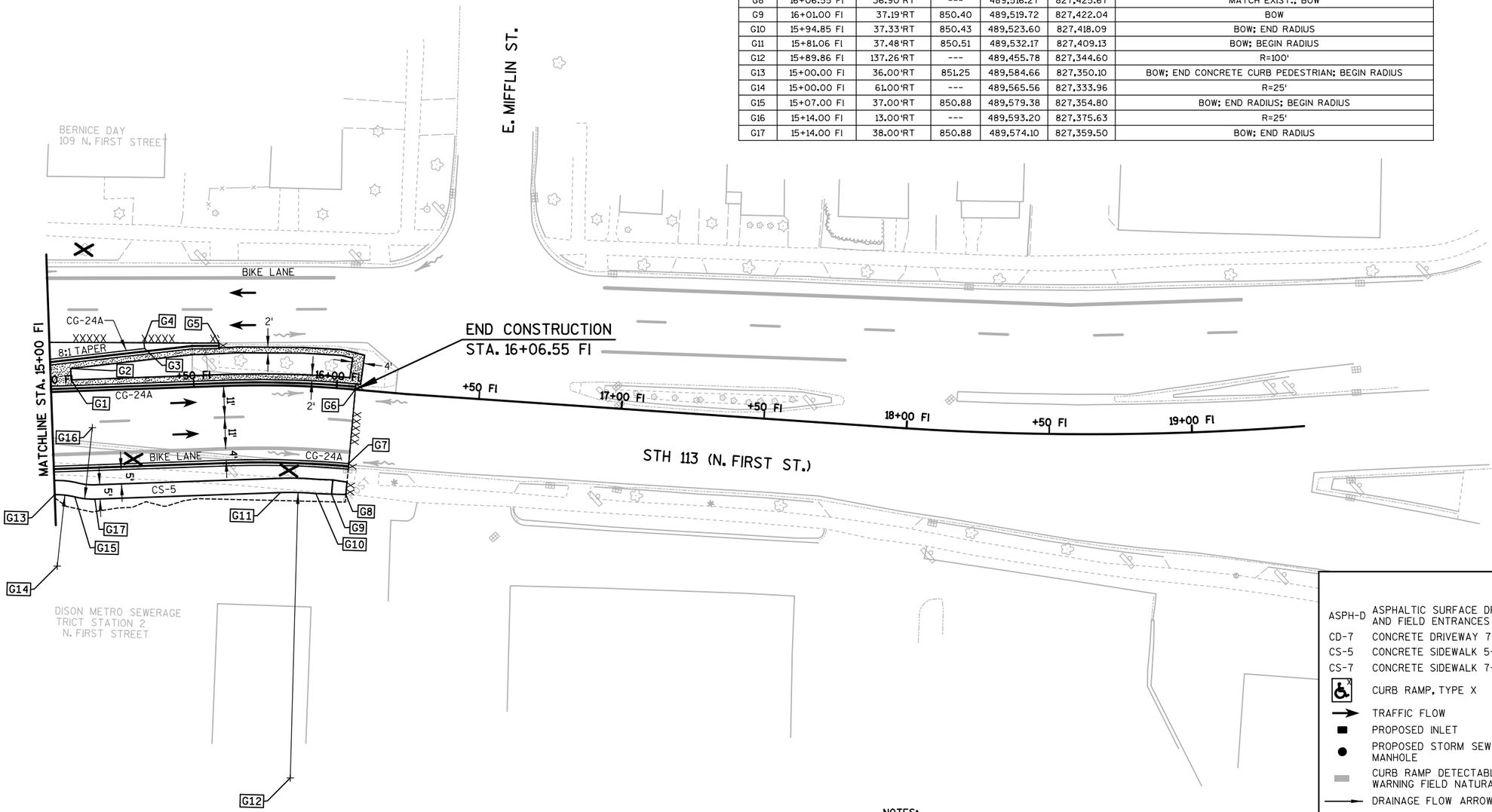
NOTES:

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	E

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

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN DETAIL - NORTH FIRST STREET	SHEET	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+00

MATCHLINE STA. 80+00

E. JOHNSON STREET

N. BALDWIN ST.

SS ABANDONED PRIVATE STORM

LEGEND

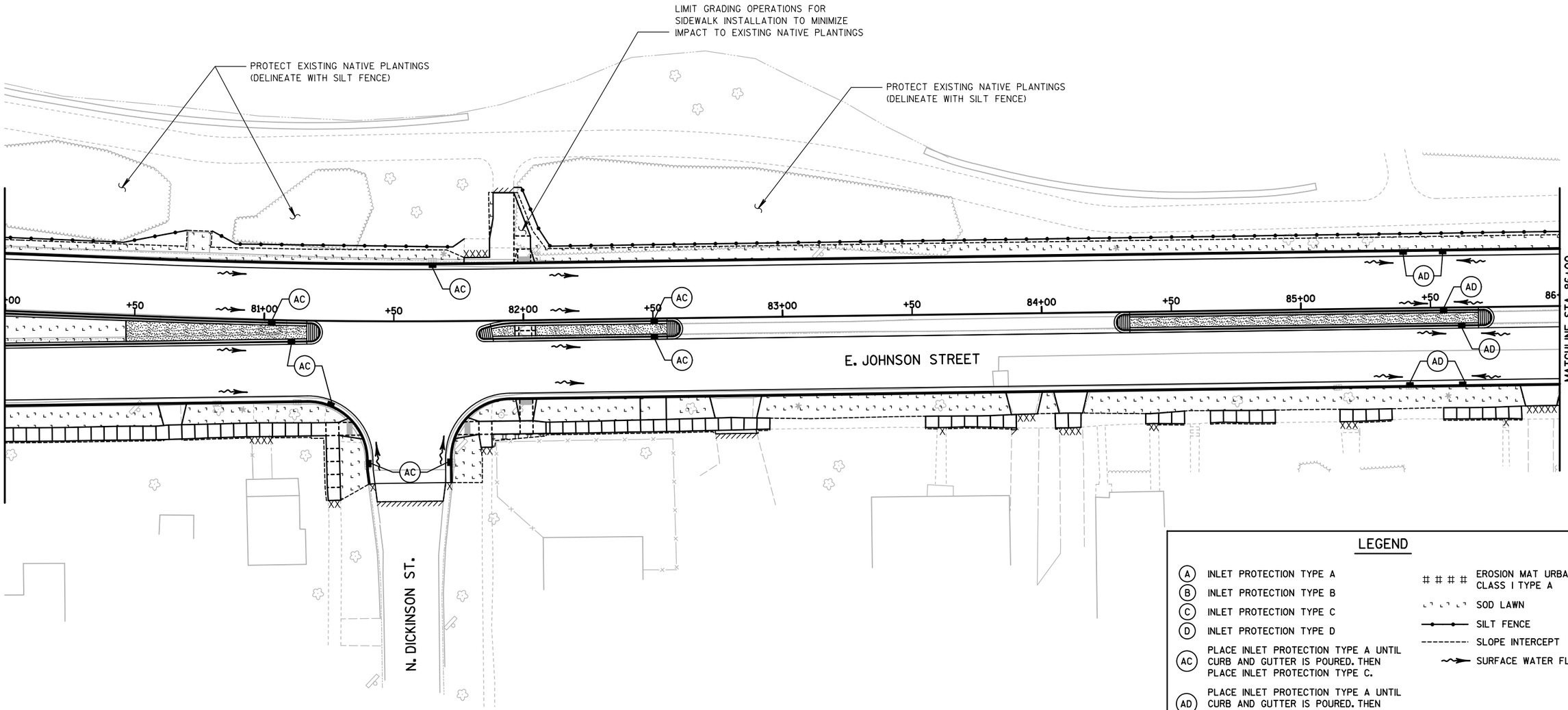
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN 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	E

2

2

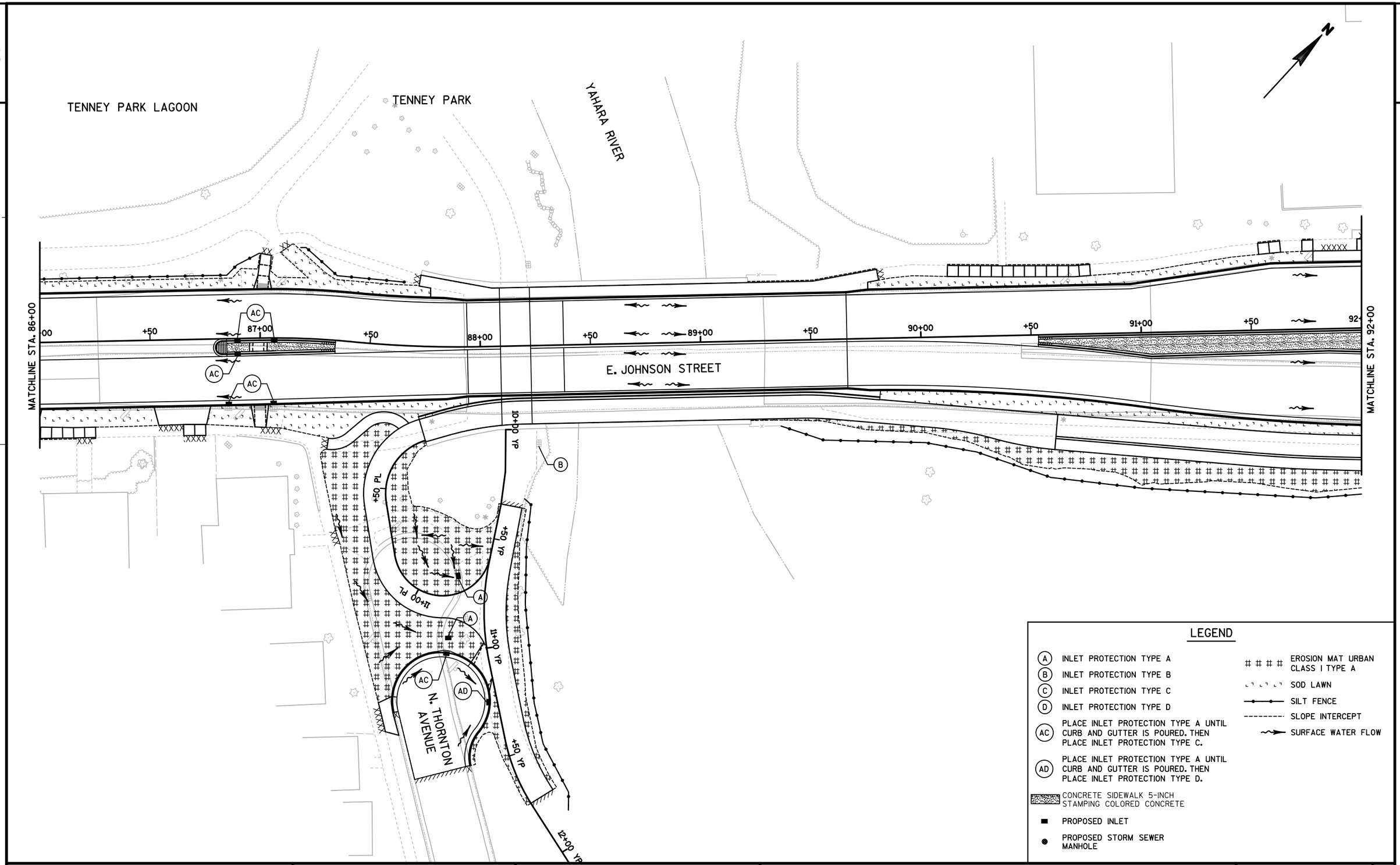
TENNEY PARK LAGOON



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.
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- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW

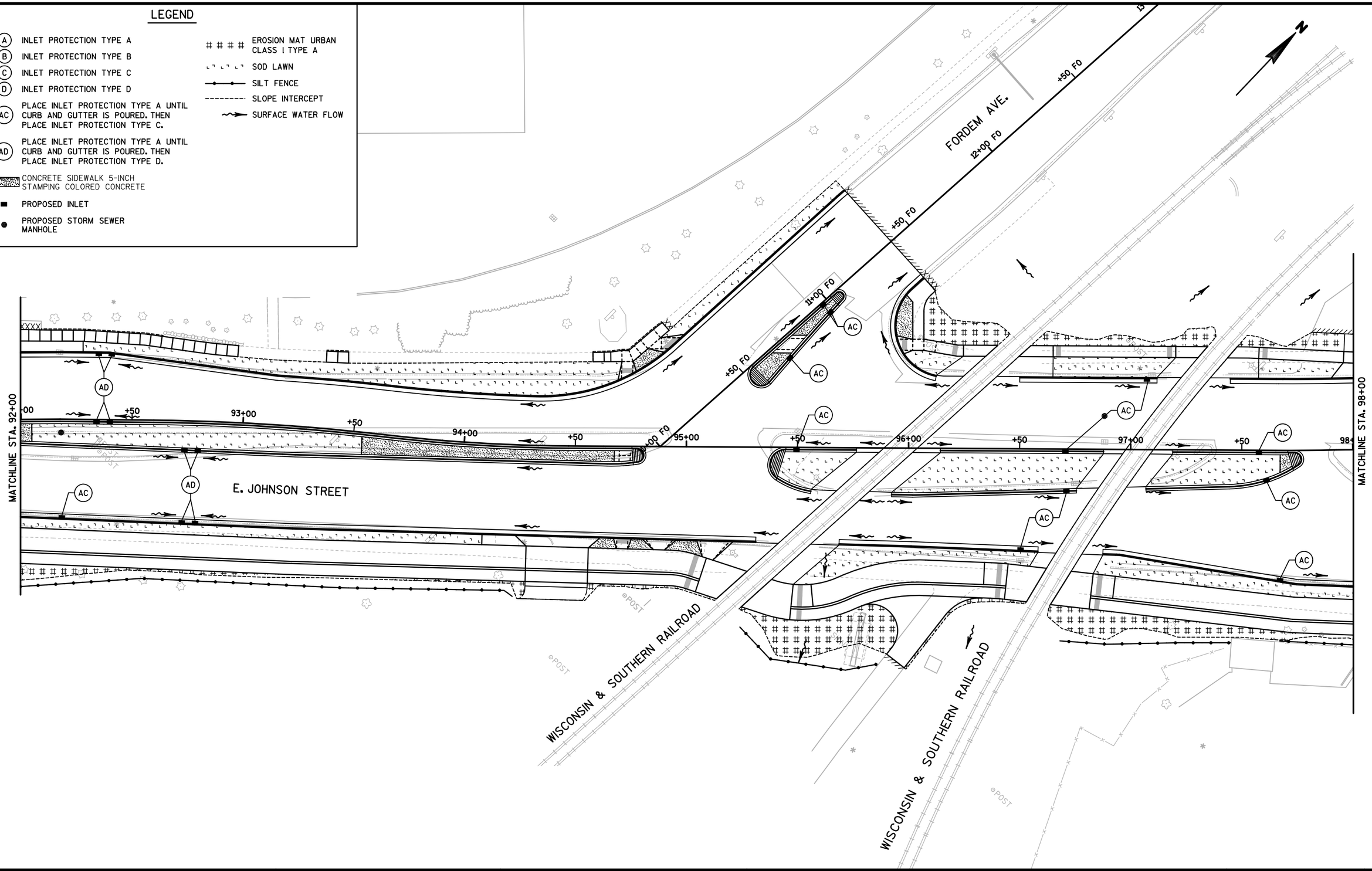
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - E. JOHNSON STREET	SHEET	E



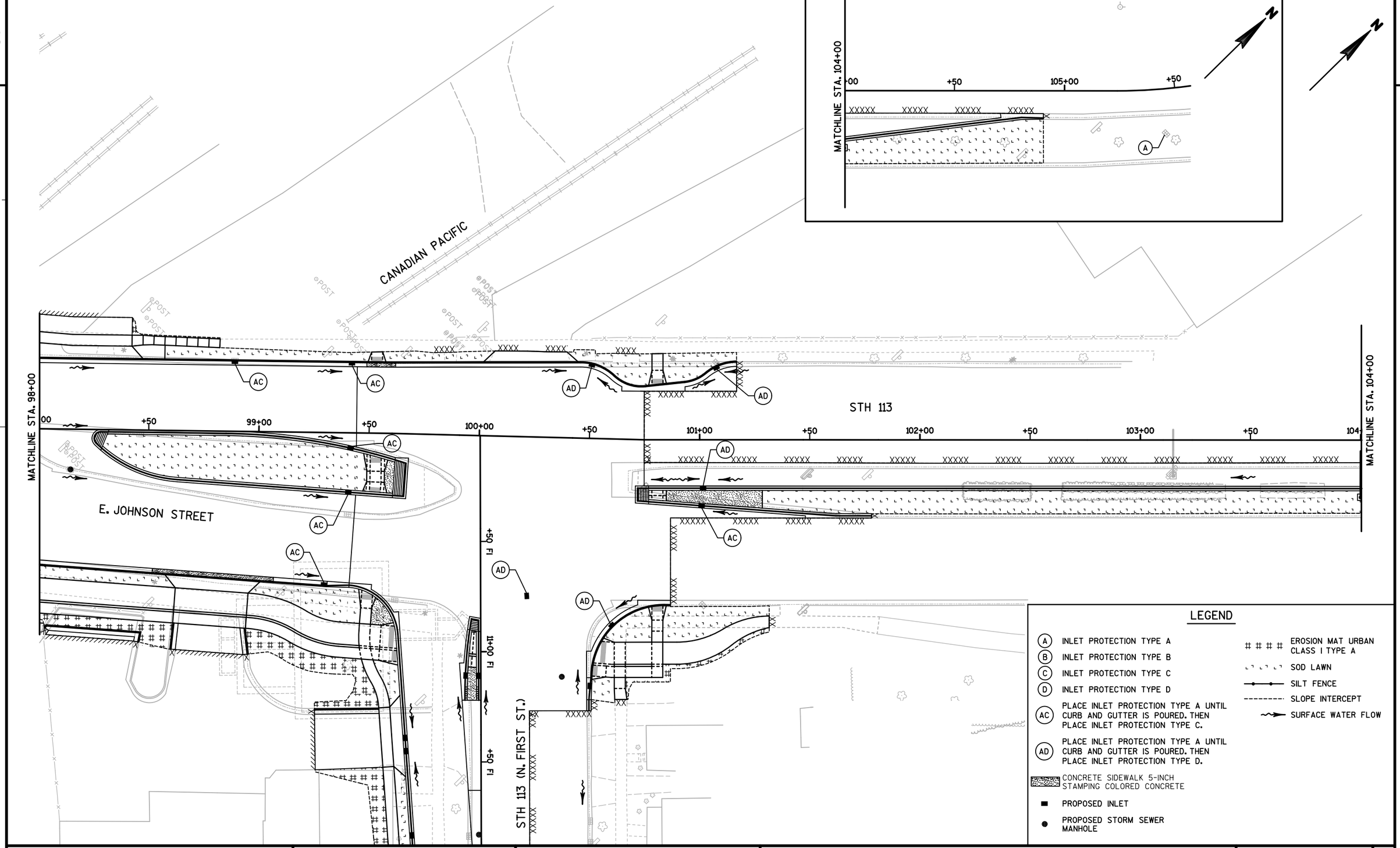
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	EROSION CONTROL - E. JOHNSON STREET	SHEET	E

LEGEND

- (A) INLET PROTECTION TYPE A
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- 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

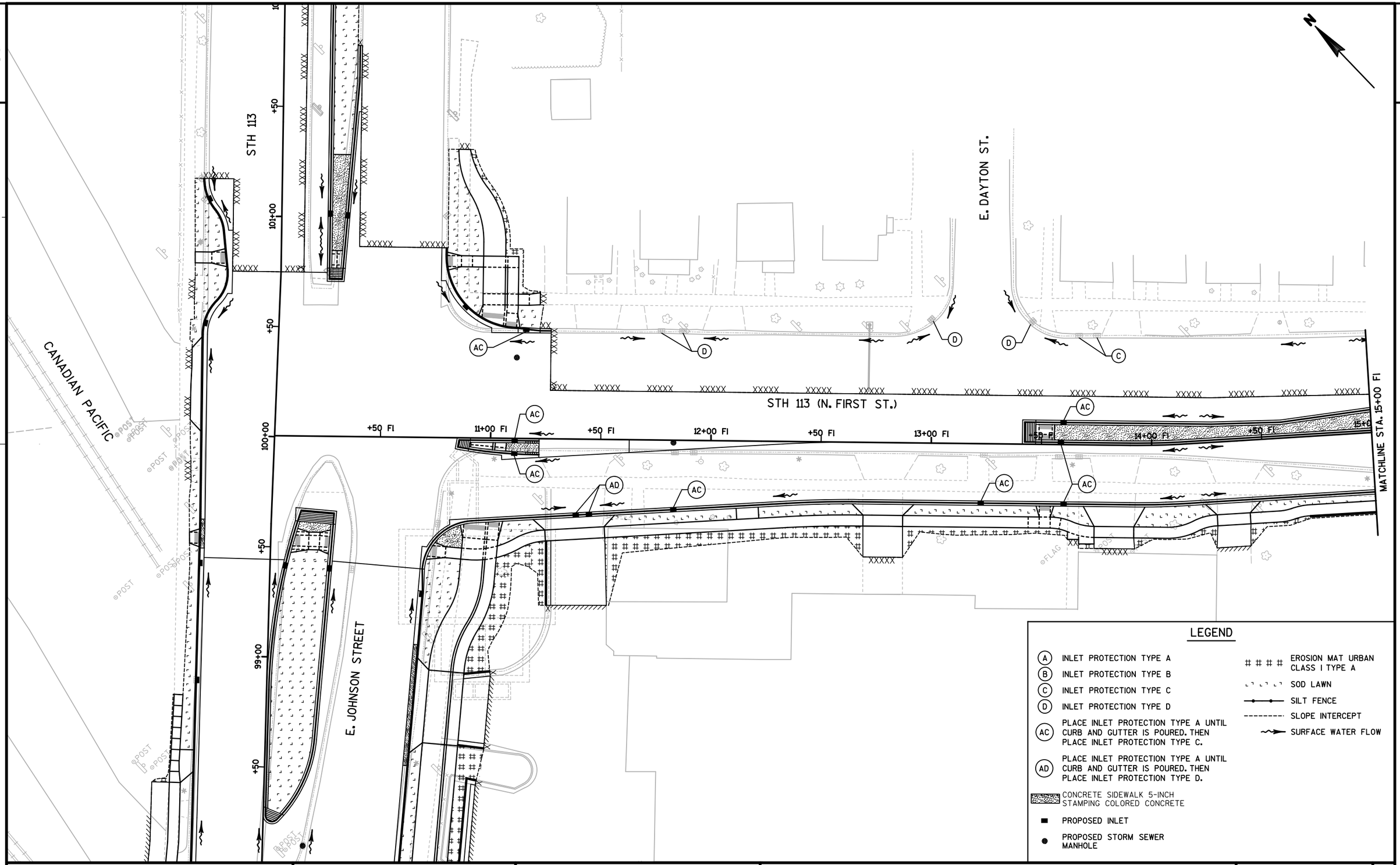


LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
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- 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

2

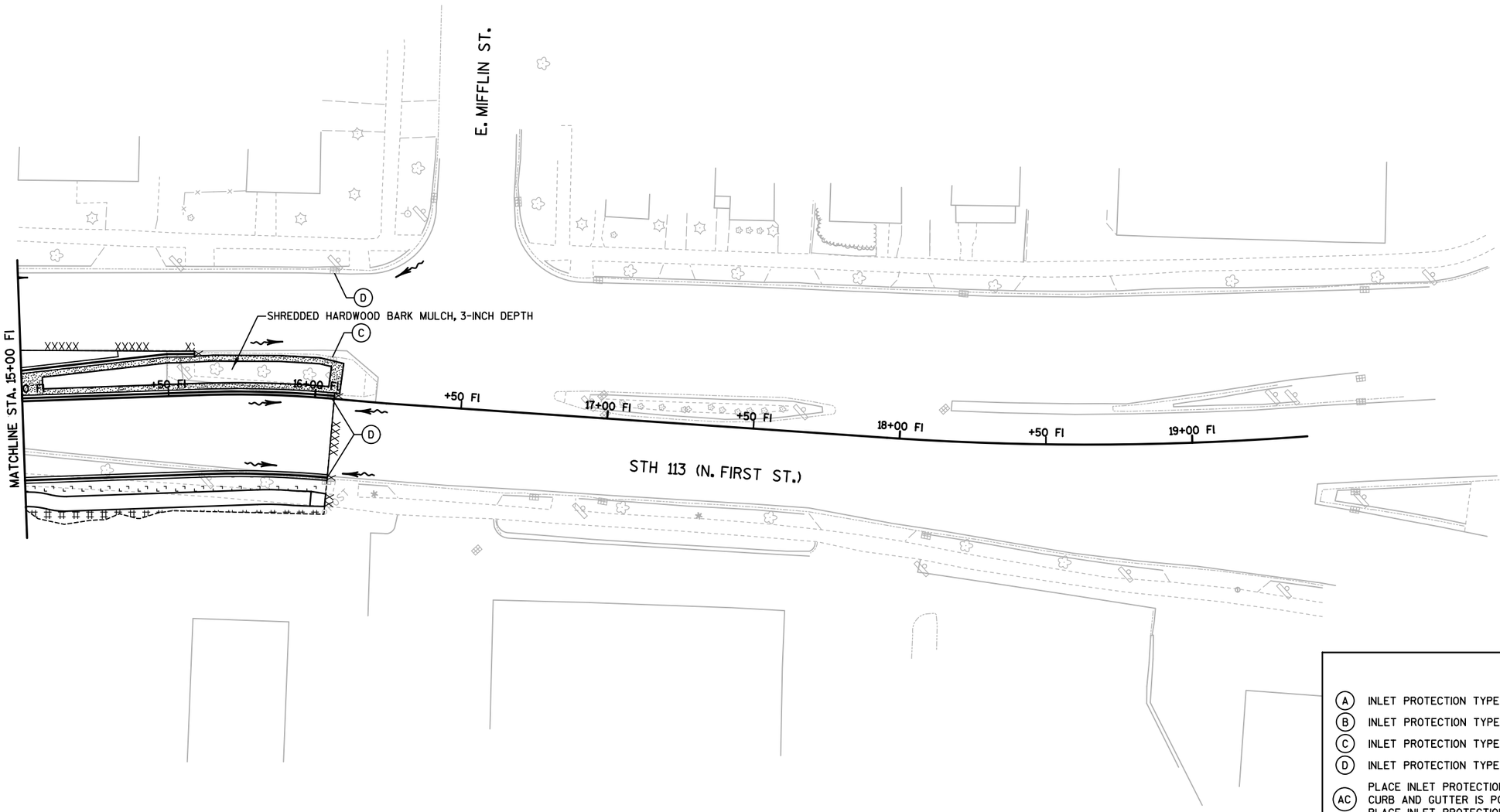


LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
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- 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

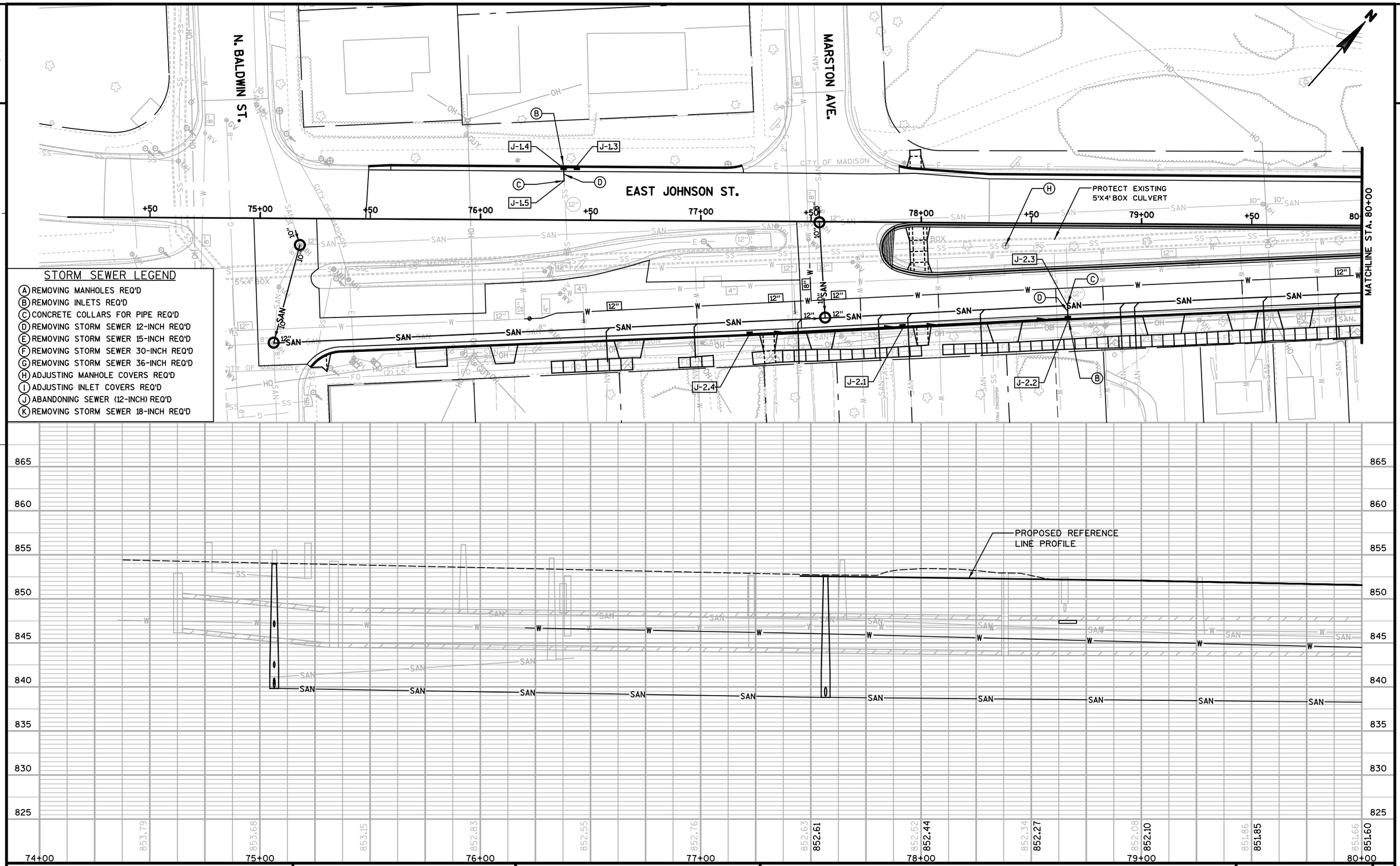
2



LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
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- 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



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\022501_ss.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

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

TENNEY PARK LAGOON

EAST JOHNSON ST.

N. DICKINSON ST.

MATCHLINE STA. 80+00

MATCHLINE STA. 86+00

PROTECT EXISTING 5'X4' BOX CULVERT

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	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\022502_ss.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER PARKWAY

EAST JOHNSON ST.

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

MATCHLINE (SEE INSET)

MATCHLINE

J-6.1 J-6.2 J-6.3 J-6.4 J-6.5 J-6.6

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

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

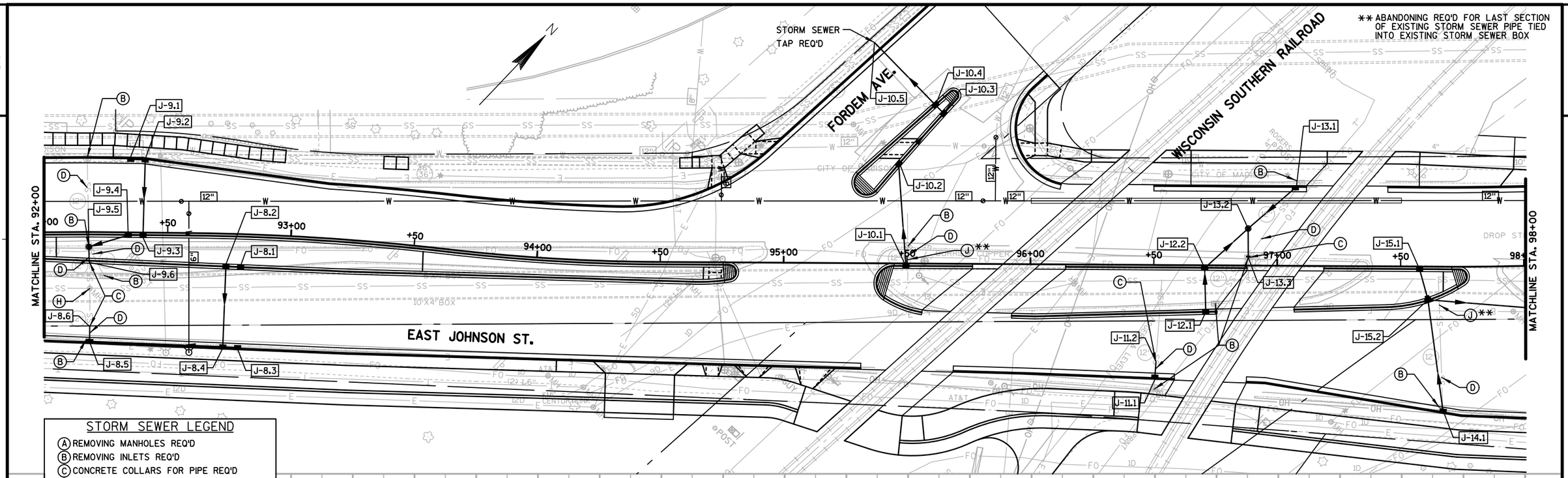
86+00	87+00	88+00	89+00	90+00	91+00	92+00
848.98 / 848.93	849.64 / 849.55	851.78 / 851.81	854.73 / 854.81	856.55 / 856.72	857.55 / 857.62	857.53 / 857.59	856.62 / 856.63	855.10 / 855.12	853.83 / 853.98	853.41 / 853.50	853.13 / 853.28	852.90 / 853.06

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 : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

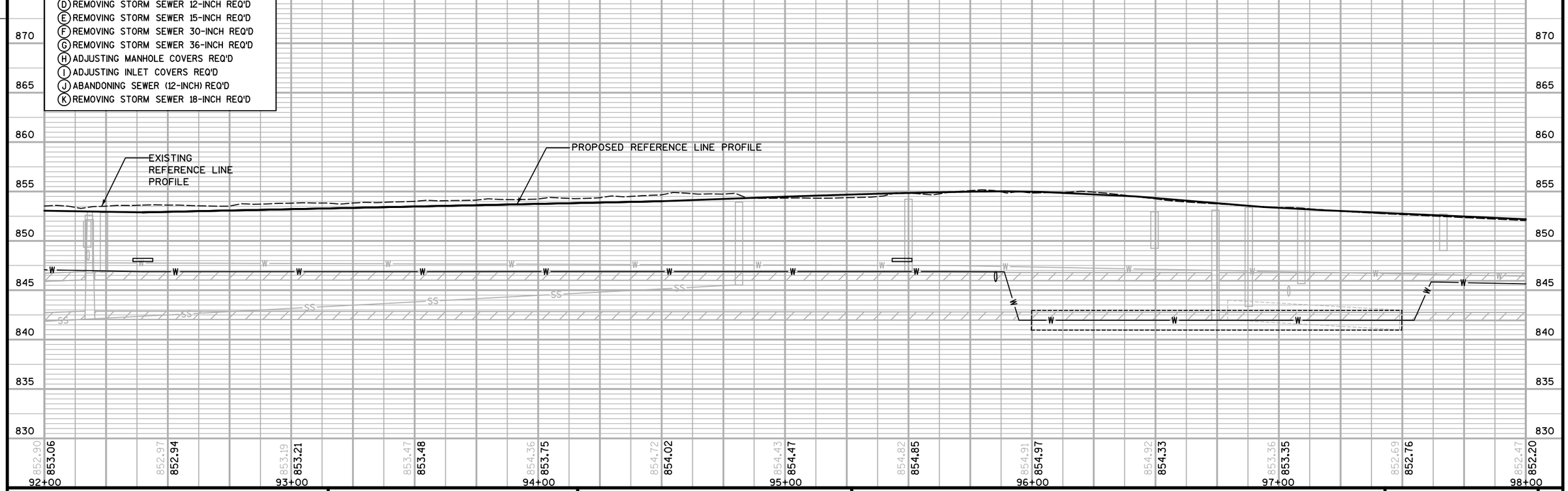
WISDOT/CADDS SHEET 41

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

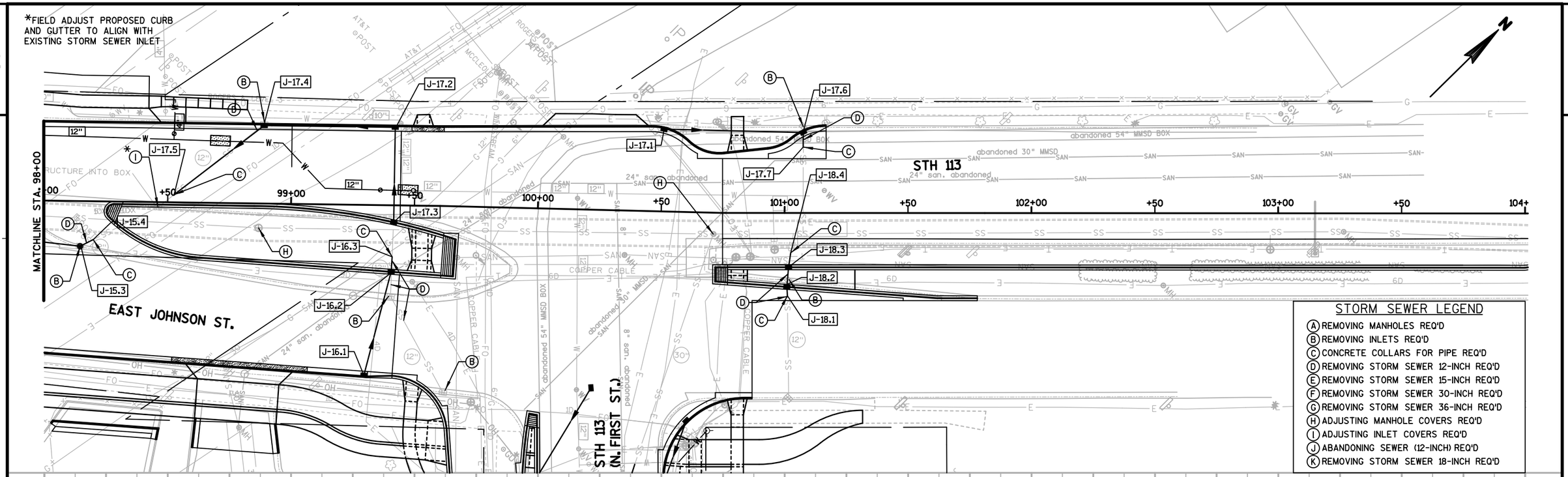


PROJECT NO:5992-09-14	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER - E. JOHNSON STREET	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\022504_ss.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

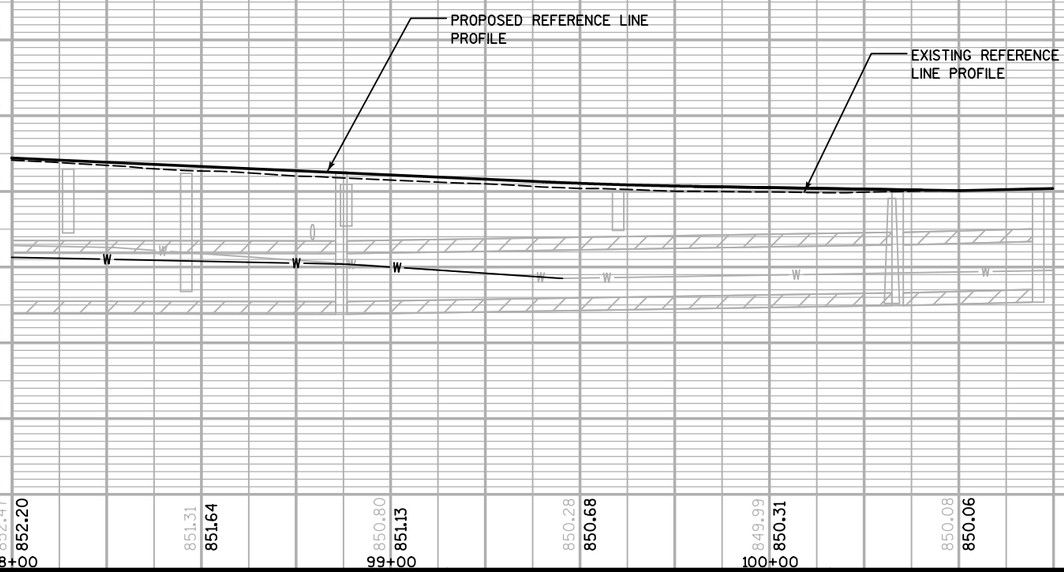
WISDOT/CADDS SHEET 41

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



STORM SEWER LEGEND

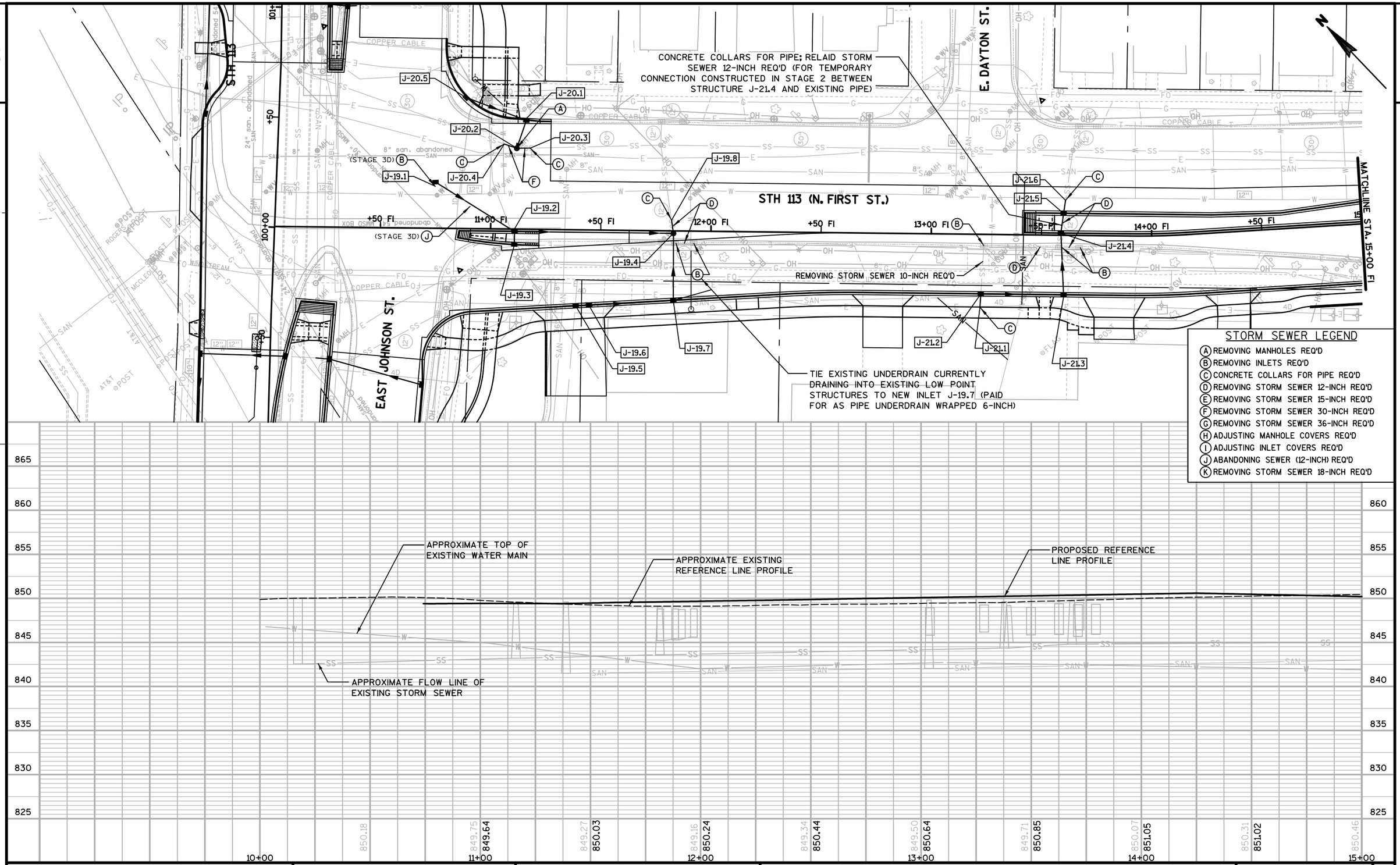
- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 30-INCH REQ'D
- (G) REMOVING STORM SEWER 36-INCH REQ'D
- (H) ADJUSTING MANHOLE COVERS REQ'D
- (I) 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\022505_ss.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

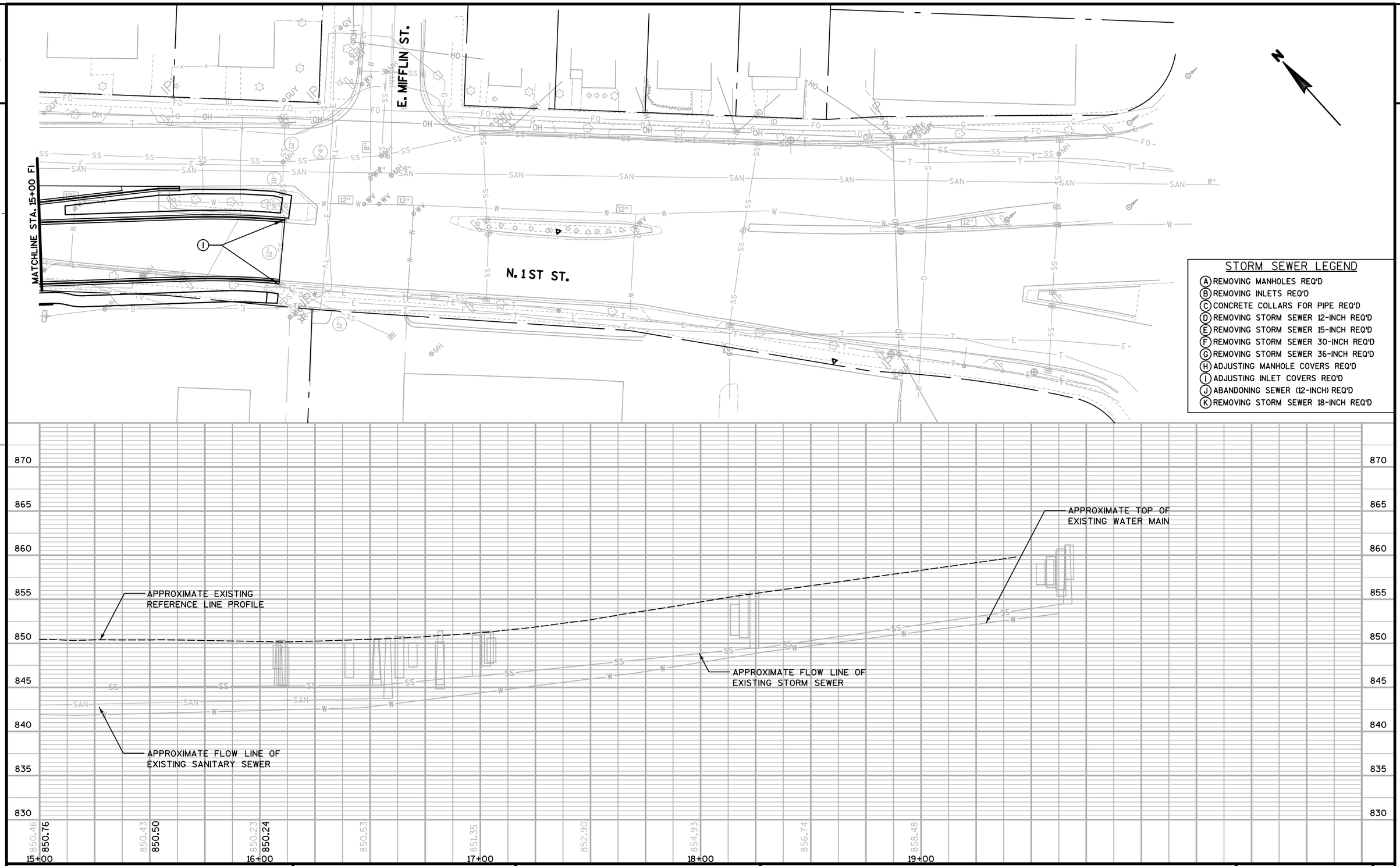
WISDOT/CADDS SHEET 41



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 - N. FIRST STREET	SHEET	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

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

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	23.7'LT	6.0	J-1.4	2X3-FT	H	-	-	851.94	851.11	2.99	12	848.12	848.09	6	0.50%	
J-1.4	76+37.55	23.7'LT	6.0	J-1.5	2X3-FT	H	-	-	851.95	851.12	3.03	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	47.2'RT	75.2	J-2.2	2X3-FT	H	-	-	853.67	852.84	2.94	12	849.90	849.52	75	0.51%	
J-2.2	78+66.90	42.9'RT	6.0	J-2.3	2X3-FT	H	-	-	853.27	852.44	2.92	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	51.1'RT	69.4	J-2.1	2X3-FT	H	-	-	854.17	853.34	3.09	12	850.25	849.90	69	0.51%	
J-3.1	81+71.23	54.4'RT	31.2	J-3.2	2X3-FT	H	-	-	852.69	851.86	5.03	12	846.83	846.21	31	2.00%	
J-3.2	81+40.70	54.9'RT	27.2	J-3.3	4-FT	H	-	-	852.73	851.90	5.69	12	846.21	845.47	27	2.74%	FLAT TOP 2'X3' OPENING REQ'D
J-3.3	81+26.02	32.2'RT	28.6	J-3.4	4-FT	H	-	-	851.57	850.74	5.27	12	845.47	844.99	29	1.67%	FLAT TOP 2'X3' OPENING REQ'D
J-3.4	81+10.65	8.1'RT	10.5	J-3.7	4-FT	H	-	-	851.28	850.45	5.45	12	845.00	844.95	10	0.50%	FLAT TOP 2'X3' OPENING REQ'D
J-3.5	82+50.49	1.1'RT	5.8	J-3.6	2X3-FT	H	-	-	850.23	849.40	3.65	12	845.75	845.72	6	0.50%	
J-3.6	82+50.49	6.9'RT	140.1	J-3.4	2X3-FT	H	-	-	850.32	849.49	3.77	12	845.72	845.00	140	0.51%	
J-3.7	81+02.94	1.1'RT	-	-	2X3-FT	H	-	-	851.03	850.20	5.25	-	844.95	-	-	-	CONNECT TO EXISTING 12" DIAMETER PIPE. CONCRETE COLLARS FOR PIPE REQ'D
J-4.1	85+61.98	6.9'RT	22.7	J-4.2	2X3-FT	H	-	-	848.69	847.86	3.11	12	844.75	844.63	23	0.52%	
J-4.2	85+62.02	29.6'RT	20.3	J-4.3	4-FT	H	-	-	848.23	847.40	2.77	15	844.63	844.53	20	0.50%	FLAT TOP 2'X3' OPENING REQ'D
J-4.3	85+41.69	29.6'RT	6.0	J-4.4	4-FT	H	-	-	848.33	847.50	2.97	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-5.1	85+55.05	1.1'RT	22.7	J-5.2	2X3-FT	H	-	-	848.65	847.82	2.68	12	845.14	845.02	23	0.52%	
J-5.2	85+54.97	21.6'LT	15.2	J-5.3	2X3-FT	H	-	-	848.19	847.36	2.34	12	845.02	844.94	15	0.53%	
J-5.3	85+39.73	21.6'LT	6.0	J-5.4	2X3-FT	H	-	-	848.27	847.44	2.50	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-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	29.6'RT	20.3	J-6.3	2X3-FT	H	-	-	849.90	849.07	3.30	12	845.77	845.67	20	0.50%	
J-6.3	87+06.05	29.5'RT	28.4	J-6.4	2X3-FT	H	-	-	851.10	850.27	4.60	12	845.67	845.53	28	0.50%	
J-6.4	87+06.30	1.1'RT	-	-	2X3-FT	H	-	-	852.08	851.25	5.72	12	845.53	-	-	-	CONNECT TO EXISTING 12" DIAMETER PIPE. CONCRETE COLLARS FOR PIPE REQ'D
J-6.5	86+89.66	6.9'RT	5.8	J-6.6	2X3-FT	H	-	-	850.70	849.87	4.23	12	845.65	845.62	6	0.50%	
J-6.6	86+89.66	1.1'RT	16.6	J-6.4	2X3-FT	H	-	-	850.76	849.93	4.31	12	845.62	845.53	17	0.50%	
J-7.1	81+65.01	21.6'LT	6.0	J-7.2	2X3-FT	H	-	-	850.27	849.44	3.30	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	13.2'RT	6.0	J-8.2	2X3-FT	H	-	-	852.24	851.41	3.13	12	848.29	848.26	6	0.50%	
J-8.2	92+73.91	13.1'RT	32.7	J-8.4	2X3-FT	H	-	-	852.27	851.44	3.18	12	848.26	848.09	33	0.50%	
J-8.3	92+79.76	45.9'RT	6.0	J-8.4	2X3-FT	H	-	-	851.98	851.15	3.03	12	848.12	848.09	6	0.50%	
J-8.4	92+73.45	45.8'RT	54.0	J-8.5	2X3-FT	H	-	-	852.01	851.18	3.09	12	848.09	847.82	54	0.50%	
J-8.5	92+18.85	44.3'RT	6.0	J-8.6	2X3-FT	H	-	-	852.29	851.46	3.64	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	29.6'LT	5.9	J-9.2	2X3-FT	H	-	-	852.23	851.40	4.34	12	847.06	847.03	6	0.50%	
J-9.2	92+40.56	29.4'LT	30.5	J-9.3	2X3-FT	H	-	-	852.21	851.38	4.35	12	847.03	846.88	31	0.50%	
J-9.3	92+40.01	1.1'RT	6.0	J-9.4	2X3-FT	H	-	-	852.82	851.99	5.12	12	846.88	846.85	6	0.50%	
J-9.4	92+34.02	1.1'RT	16.7	J-9.5	4-FT	H	-	-	852.85	852.02	5.17	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	853.35	852.10	5.34	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	1.1'RT	41.5	J-10.2	2X3-FT	H	-	-	854.76	853.93	5.90	12	848.03	847.61	42	1.00%	
J-10.2	95+46.36	40.3'LT	27.4	J-10.3	4-FT	H	-	-	853.78	852.95	5.34	12	847.61	847.34	27	1.00%	FLAT TOP 2'X3' OPENING REQ'D
J-10.3	95+64.44	60.9'LT	4.6	J-10.4	2X3-FT	H	-	-	853.22	852.39	5.05	12	847.34	847.29	5	1.00%	
J-10.4	95+61.19	64.2'LT	35.4	J-10.5	2X3-FT	H	-	-	852.99	852.16	4.87	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	45.4'RT	6.0	J-11.2	2X3-FT	H	-	-	853.61	852.78	4.51	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
J-12.1	96+71.15	18.8'RT	17.7	J-12.2	2X3-FT	H	-	-	853.52	852.69	3.36	12	849.33	849.24	18	0.50%	
J-12.2	96+70.6	1.1'RT	23.8	J-13.2	2X3-FT	H	-	-	854.11	853.28	4.04	12	849.24	849.12	24	0.50%	FIELD VERIFY INVERT ELEVATION. CONCRETE COLLARS FOR PIPE REQ'D. CONCRETE COLLARS FOR PIPE
J-13.1	97+07.13	31.6'LT	25.2	J-13.2	2X3-FT	H	-	-	853.34	852.51	3.10	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	58.5'RT	58.2	J-15.1	2X3-FT	H	-	-	851.65	850.82	3.01	12	847.81	847.52	58	0.50%	
J-15.1	97+57.71	1.1'RT	12.8	J-15.2	2X3-FT	H	-	-	852.52	851.69	4.10	12	847.59	847.52	13	0.50%	
J-15.2	97+61.16	13.4'RT	54.2	J-15.3	4-FT	H	-	-	852.53	851.70	4.18	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	69.0'RT	43.4	J-16.2	2X3-FT	H	-	-	849.76	848.93	1.76	12	847.17	846.95	43	0.51%	
J-16.2	99+40.92	26.9'RT	6.0	J-16.3	2X3-FT	H	-	-	850.48	849.65	2.70	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	33.4'LT	56.4	J-17.6	2X3-FT	H-S	-	-	849.38	848.55	1.25	12	847.30	847.13	56	0.30%	

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)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
J-17.2	99+41.80	31.6'LT	53.1	J-17.4	2X3-FT	H	-	-	849.99	849.16	5.13	12	844.03	843.74	53	0.55%	
J-17.3	99+41.67	7.0'RT	38.6	J-17.2	2X3-FT	H	-	-	851.39	850.56	4.50	12	846.06	845.86	39	0.51%	
J-17.4	98+88.67	31.6'LT	46.0	J-17.5	2X3-FT	H	-	-	850.51	849.68	5.94	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+07.55	34.9'LT	8.2	J-17.7	2X3-FT	H-S	-	-	849.29	848.46	1.33	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-18.1	101+01.15	33.8'RT	4.0	J-18.2	-	-	-	-	-	-	-	12	846.02	845.91	4	2.75%	CONCRETE COLLARS FOR PIPE REQ'D
J-18.2	101+00.94	29.8'RT	7.8	J-18.3	2X3-FT	H	-	-	850.00	849.17	3.26	12	845.91	845.69	8	2.75%	
J-18.3	101+01.60	22.1'RT	6.0	J-18.4	2X3-FT	H	-	-	850.14	849.31	3.62	12	845.69	845.52	6	2.83%	
J-18.4	101+02.51	16.2'RT	-	-	-	-	-	-	-	-	-	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			849.11	849.11	3.22	12	845.89	845.68	42	0.50%	TEMPORARY INLET FOR USE DURING STAGE 3
J-19.2	11+10.91	1.1'RT	72.1	J-19.4	4-FT	H	-	-	849.45	848.62	2.94	12	845.68	845.32	72	0.50%	FLAT TOP 2'DIAMETER OPENING REQ'D
J-19.3	11+10.79	6.9'RT	5.8	J-19.2	2X3-FT	H	-	-	849.96	849.13	3.42	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	34.6'RT	6.0	J-19.6	2X3-FT	DW	-	-	849.22	848.39	2.68	12	845.71	845.68	6	0.50%	
J-19.6	11+45.00	34.2'RT	38.3	J-19.7	2X3-FT	DW	-	-	849.26	848.43	2.76	12	845.68	845.48	38	0.53%	
J-19.7	11+83.25	31.6'RT	30.5	J-19.4	2X3-FT	H	-	-	849.50	848.67	3.19	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	49.4'LT	13.4	J-20.2	2X3-FT	H	-	-	849.03	848.20	3.93	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+88.22	59.5'LT	29.2	J-20.1	2X3-FT	H	-	-	848.85	848.02	3.60	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	27.1'RT	37.6	J-21.3	2X3-FT	H	-	-	850.15	849.32	3.37	12	845.95	845.76	38	0.50%	
J-21.3	13+60.32	27.1'RT	28.2	J-21.4	2X3-FT	H	-	-	850.10	849.27	3.51	12	845.76	845.62	28	0.52%	
J-21.4	13+58.80	1.1'LT	8.9	J-21.5	2X3-FT	H	-	-	850.82	849.99	4.37	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	9.9'LT	6.0	J-21.6	2X3-FT	H	-	-	850.50	849.67	4.10	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+24.12	3.9'RT	29.1	YP-1.2	2X3-FT	H	-	-	849.18	848.35	2.75	12	845.60	845.51	29	0.31%	
YP-1.2	10+99.85	18.5'RT	7.2	YP-1.3	2X3-FT	HM	-	-	849.45	848.62	3.11	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

NOTES:
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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
EX. 10" CI SAN.
EX. 8" DI SAN.
EX. 8" PVC SAN.
EX. 6" VP SAN.
PROPOSED STORM SEWER (TYP.)
ADJUST WATER VALVE BOX
ABANDON EXISTING WATER VALVE AND BOX (TYP.)
ABANDON EXISTING SANITARY SEWER (TYP.)
PROPOSED 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
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.)

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	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\023001_up.dgn
PLOT DATE : 7/11/2018
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).

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TENNEY PARK LAGOON

EAST JOHNSON ST.

N. DICKINSON ST.

MATCHLINE STA. 80+00

MATCHLINE STA. 86+00

STA. 81+63.43/16.2'RT
12-IN X 12-IN TEE
12-IN VALVE NORTHEAST

ABANDON EXISTING WATER VALVE AND BOX (TYP.)

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY SEWER (TYP.)

PROTECT EXISTING 5'X4' BOX CULVERT

STA. 81+91.25/16.0'RT
12-IN X 6-IN TEE
6-IN VALVE SOUTHEAST
12-IN VALVE NORTHEAST

STA. 81+91.25/36.4'RT
HYDRANT
GROUND ELEV. 851.3±

ABANDON EXISTING WATER MAIN (TYP.)

PROPOSED SANITARY SEWER (TYP.)

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

DISCONNECT AND RECONNECT EXISTING 1.5-IN COPPER SERVICE LATERAL

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

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

PROPSED REFERENCE LINE PROFILE

APPROXIMATE TOP OF EXISTING WATER MAIN

EXISTING REFERENCE LINE PROFILE

600 LF - 12" D.I. WATER MAIN

STA. 80+00
ELEV. 844.5±

STA. 80+50
ELEV. 844.2±

STA. 81+00
ELEV. 843.8±

STA. 81+50
ELEV. 843.6±

STA. 82+00
ELEV. 843.5±

TOP OF PROPOSED WATER MAIN

STA. 82+50
ELEV. 843.3±

STA. 83+00
ELEV. 843.0±

STA. 83+50
ELEV. 842.9±

STA. 84+00
ELEV. 842.8±

STA. 84+50
ELEV. 842.8±

STA. 85+00
ELEV. 842.7±

STA. 85+50
ELEV. 842.7±

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

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 : 7/11/2018 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 x 12-IN TEE
12-IN x 6-IN REDUCER
SOUTHEAST

PROPOSED SANITARY SEWER (TYP.)

EAST JOHNSON ST.

STA. 86+35.50/37.2RT
HYDRANT
GROUND ELEV. 849.4±
6-IN VALVE NORTHWEST

6" PIPE UNDERDRAIN FROM SIDEWALK RETAINING WALL TIES INTO THORNTON APPE
JSSAINT APARTMENTS LLC
220 N. THORNTON AVENUE
1E. JOHNSON STREET

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

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

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. 90+95.

ABANDON EXISTING VALVE AND BOX

CLAY TRENCH PLUG. NITRILE WATER MAIN GASKETS USED ON WATER MAIN WITHIN LIMITS OF CLAY DAMS. STA. 90+26 - STA. 90+95.

ABANDON EXISTING WATER MAIN (TYP.)

APPROXIMATE LIMITS OF CONTAMINATED SOILS

STA. 90+26.69/13.5'LT
12-IN, 90° BEND

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

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

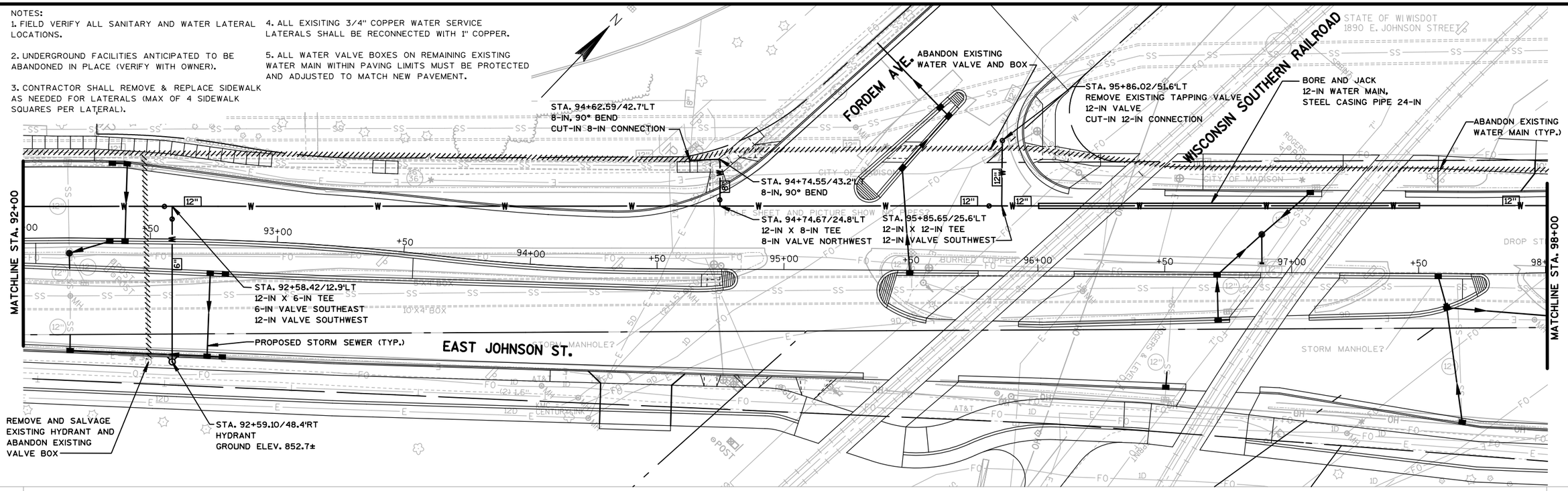
NOTES:
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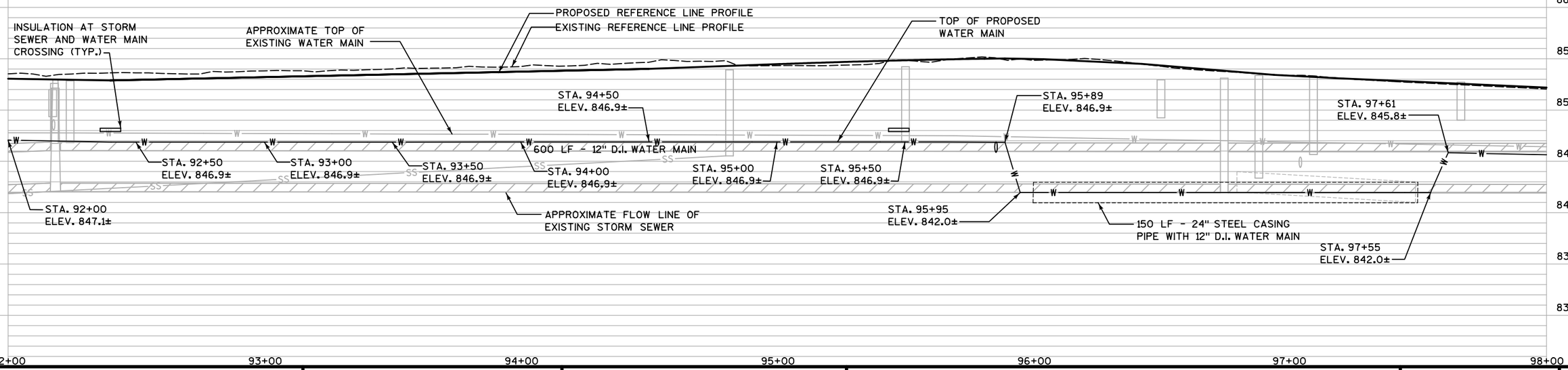
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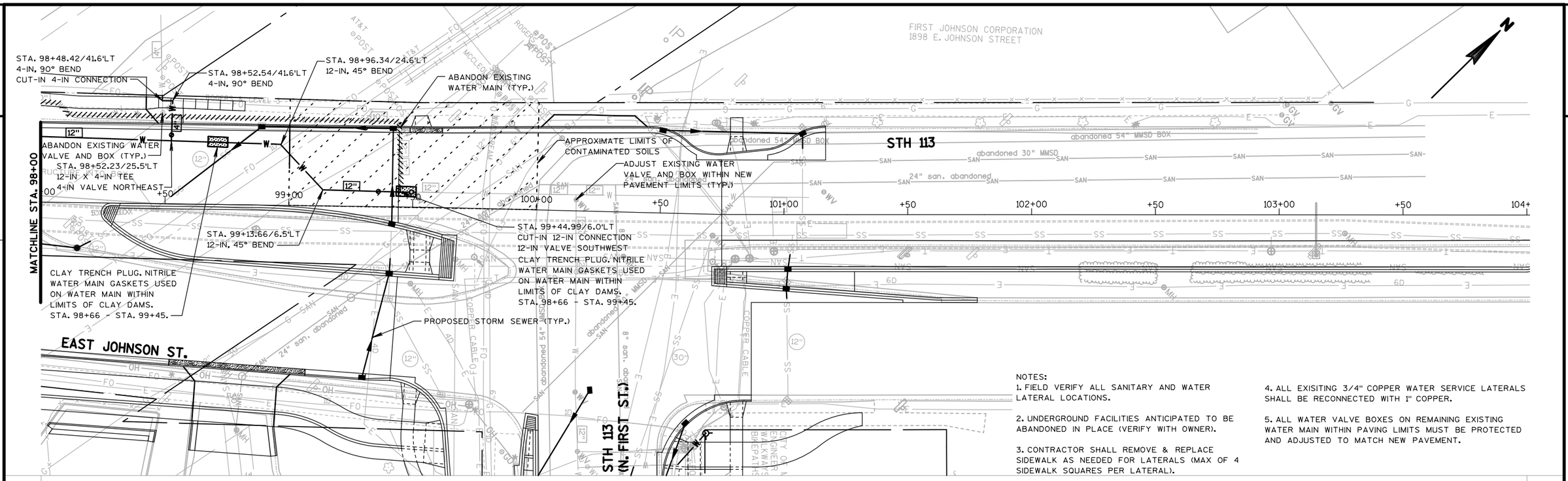
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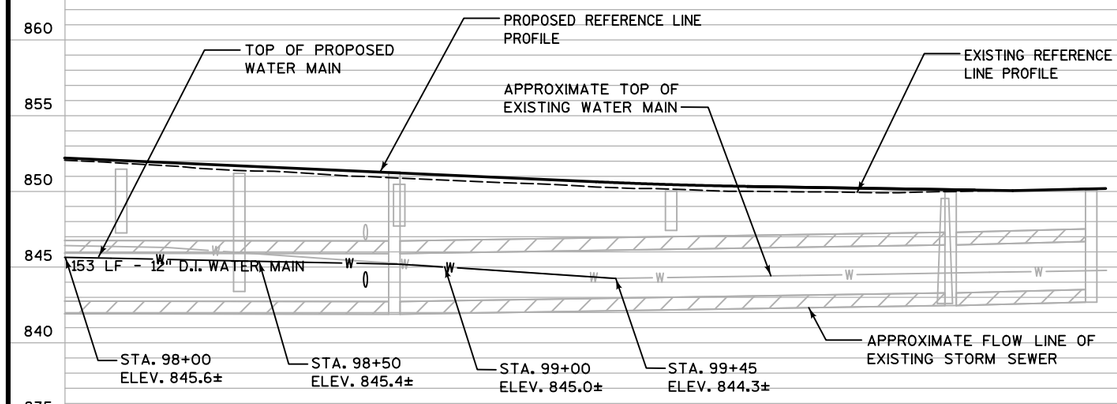
PROJECT NO:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET E

2



NOTES:

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

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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
213 N. FIRST STREET

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

EX. 8" PVC SAN.

EX SAS 5541-022

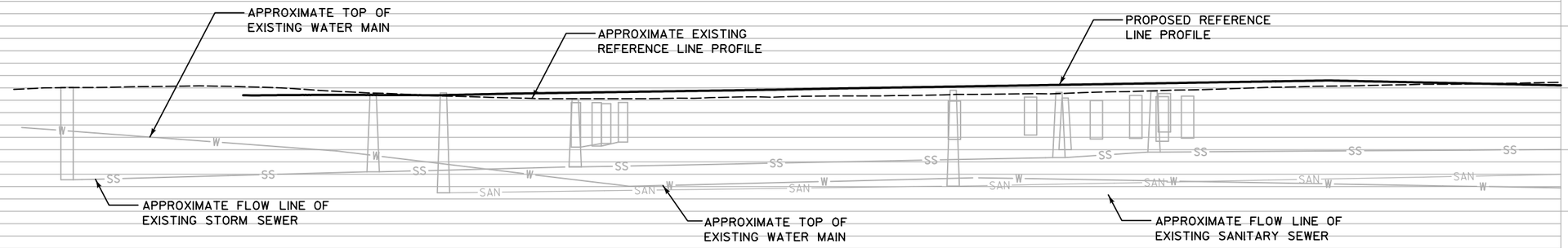
8" san. abandoned

24" san. abandoned

12" abandoned

+50 FI | 11+00 FI | +50 FI | 12+00 FI | +50 FI | 13+00 FI | 14+00 FI | +50 FI

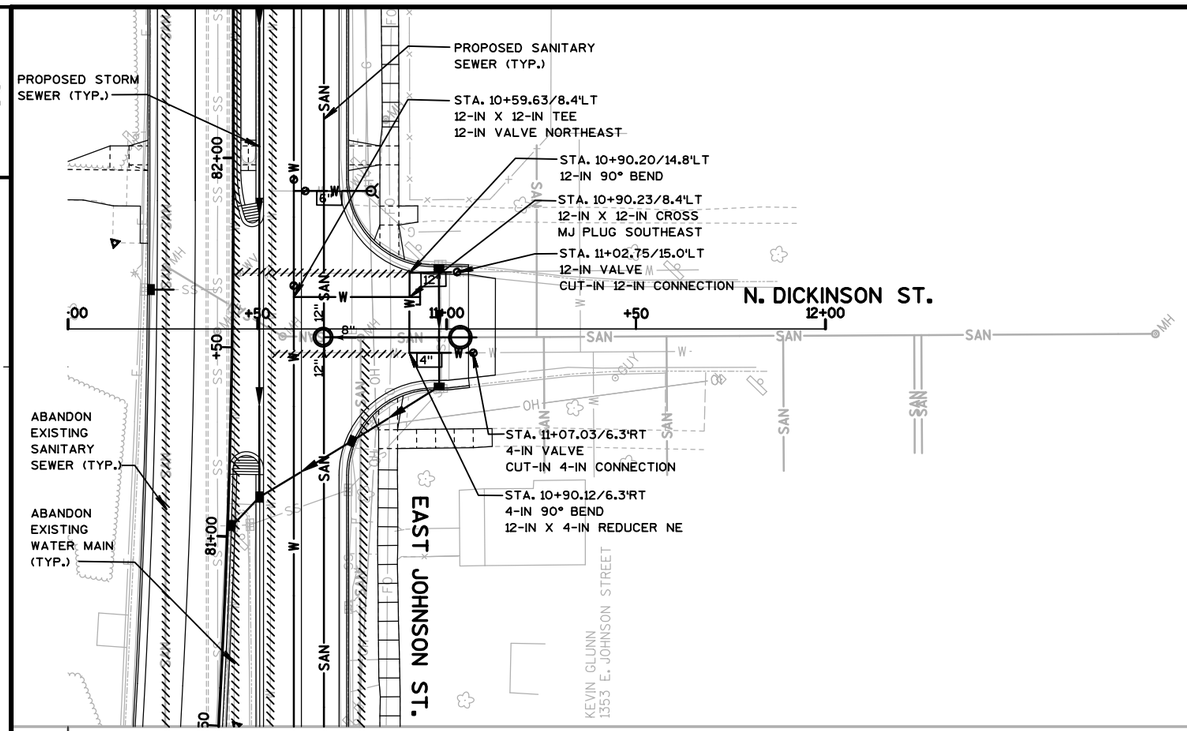
101+00 | +50 | 100+00



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\023006_up.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41



N

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

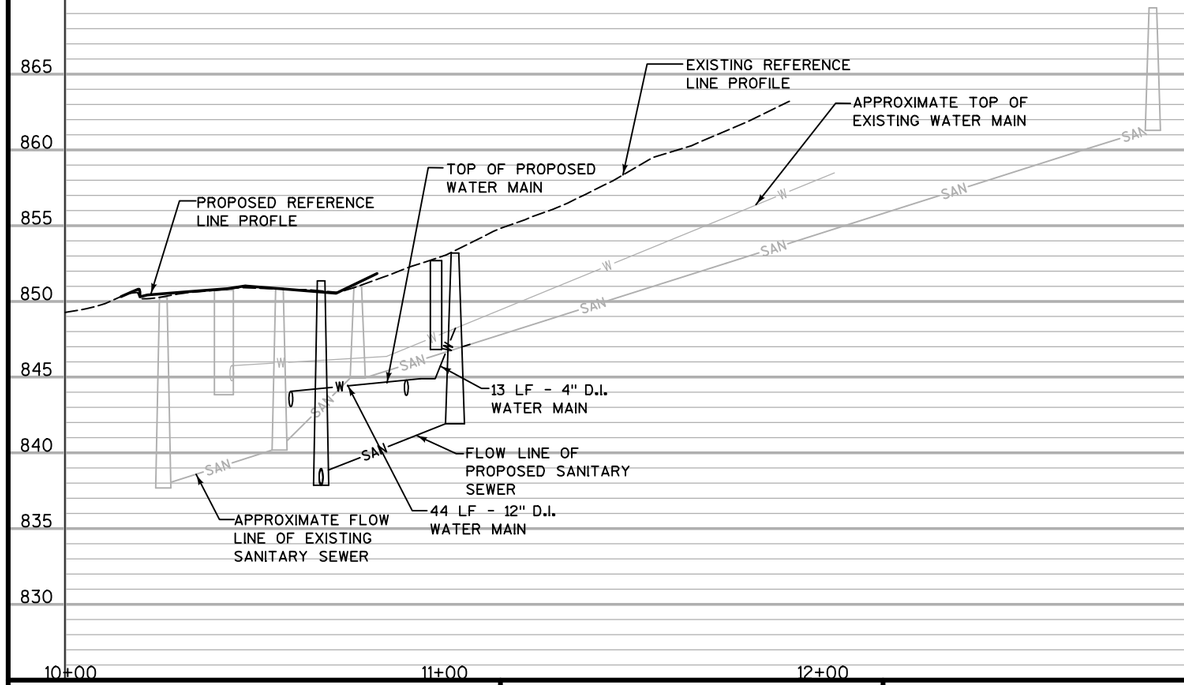
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3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

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:5992-09-15	HWY:E JOHNSON STREET	COUNTY:DANE	WATER UTILITY PLAN	SHEET E

NOTES:
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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 853.89
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

REM. EX SAS 5444-042
RIM 855.58

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 839.62

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

CROSSING UNDER EXISTING 5'x4' BOX CULVERT REQUIRED

APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

ABAN. EX. 6" VP SAN.

REM. EX. 8" PVC SAN.

ABAN. EX. 10" DI SAN.

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

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

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 5443-028

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 848.48

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. 6" VP SAN.

ABAN. EX. 10" CI SAN.

REM. EX. 8" PVC SAN.

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	E

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.)

REMOVE EXISTING SANITARY SEWER STRUCTURE 5443-024

PROPOSED WATER MAIN (TYP.)

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
1E. JOHNSON STREET
220 N. THORNTON AVENUE

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

NBJ-01 RIM 854.00 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

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

ABAN. EX. 12" PVC SAN.

REM. EX. 8" PVC SAN.

ABAN. EX. 8" PVC SAN.

*PIPE SHALL CONFORM TO ASTM D3034 SDR26

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\023010_up.dgn | PLOT DATE : 7/19/2018 | PLOT BY : _username_ | PLOT NAME : | PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

STH 113

E. DAYTON ST.

EAST JOHNSON ST.

STH 113 (N. FIRST ST.)

CITY OF MADISON ENGINEER WALKWAYS & BIKEPATHS 536

L&K WEBER GROUP LLC 213 N. FIRST STREET

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

SOO LINE RR CO ROOM 1420 1894 E. JOHNSON STREET

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

CITY OF MADISON MOTOR EQ MOTOR EQUIPMENT 268 N. FIRST STREET

EX MMSD MH01-602

EX MMSD MH01-003

EX MMSD MH01-601

EX MMSD MH01-301

EX. 8" PVC SAN.

EX SAS 5541-022

EX SAS 5541-021 RIM 849.63

EX SAS 5541-022 RIM 849.84

IE 8" N 842.01
IE 8" NE 841.63
IE 8" SW 841.55
IE 8" SE 841.77

IE 8" NW 842.08
IE 8" SE 842.15

INSTALL NEW SANITARY LATERAL 6-IN. SANITARY LATERAL ELECTRONIC MARKERS

PROPOSED WATER MAIN (TYP.)

ABANDON EXISTING SANITARY SEWER (TYP.)

SANITARY LATERAL 6-IN, INTERIM FOR TRAFFIC STAGING. ABANDON LATERAL AFTER NEW LATERAL HAS BEEN CONSTRUCTED AND CONNECTED.

PROPOSED STORM SEWER (TYP.)

REMOVE EXISTING SANITARY MH

SANITARY LATERAL WYE FOR INTERIM LATERAL. CAP NORTHEAST UNTIL LATERAL HAS BEEN CONNECTED AT MAIN. ABANDON NORTH AFTER CONNECTION NORTHEAST HAS BEEN MADE.

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).

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:5992-09-16	HWY:E JOHNSON STREET	COUNTY:DANE	SANITARY SEWER UTILITY PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\023011_up.dgn PLOT DATE : 7/19/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

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.)

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

ALIGNMENT DATA:

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

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

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

ABANDON EXISTING SANITARY SEWER STRUCTURE 5443-010

PROPOSED WATER MAIN (TYP.)

MARSTON AVE.

EAST JOHNSON ST.

CITY OF MADISON
402 N. THORNTON AVENUE

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).

REM EX. SAS 5443-030
RIM 852.64

SAS NBJ-05
RIM 853.89

SAS SBJ-02
RIM 852.60

PROPOSED REFERENCE LINE PROFLE

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

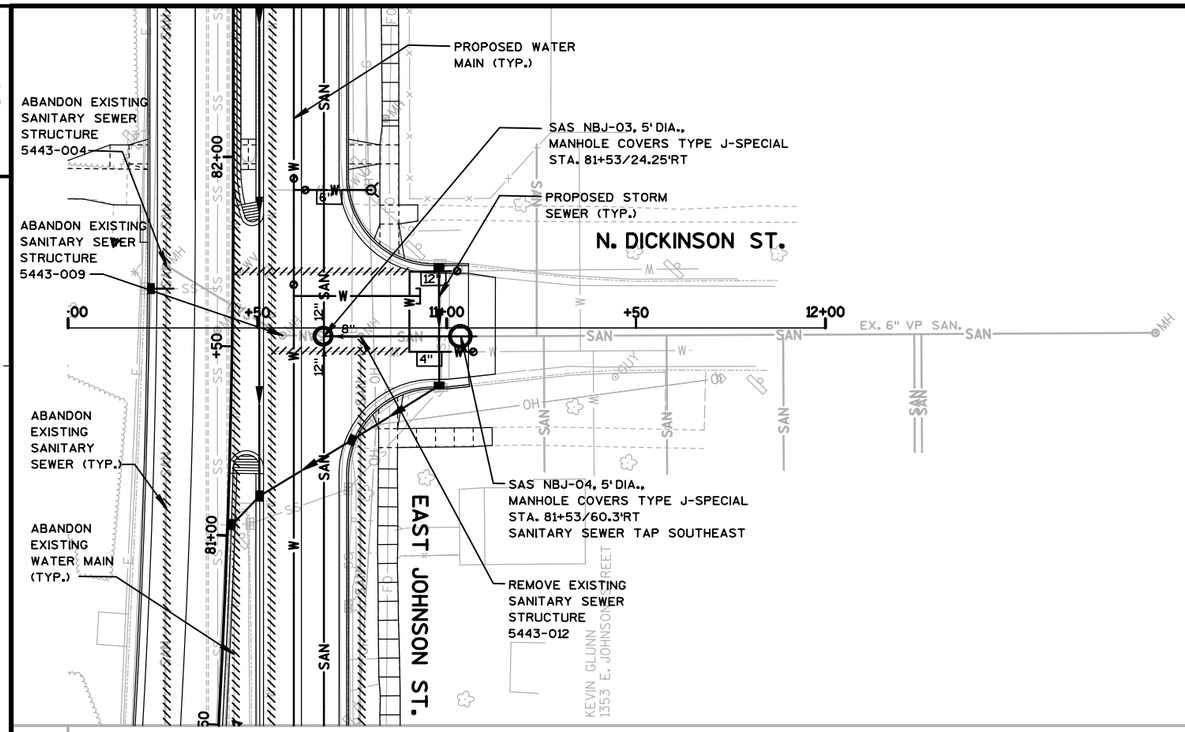
IE 10" SE 839.05
IE 10" NE 838.98 (TAP)
IE 10" SW 839.02 (TAP)
IE 8" NW 839.10 (TAP)

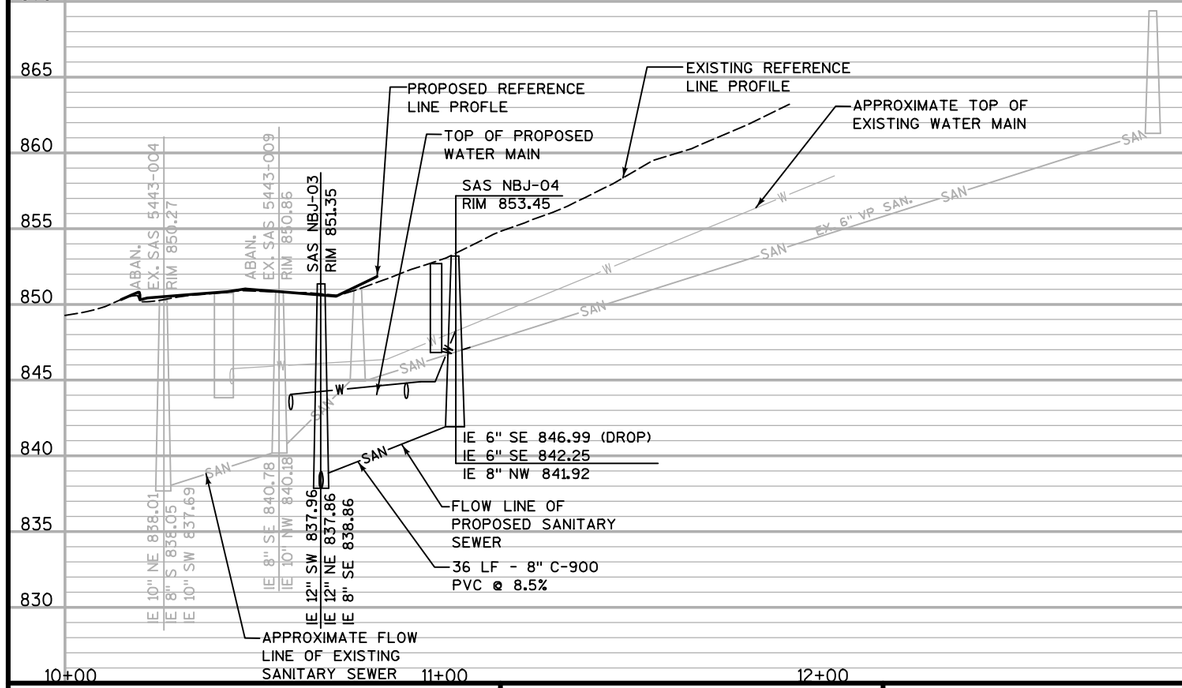
10+00 11+00 12+00

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 : 7/19/2018
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).

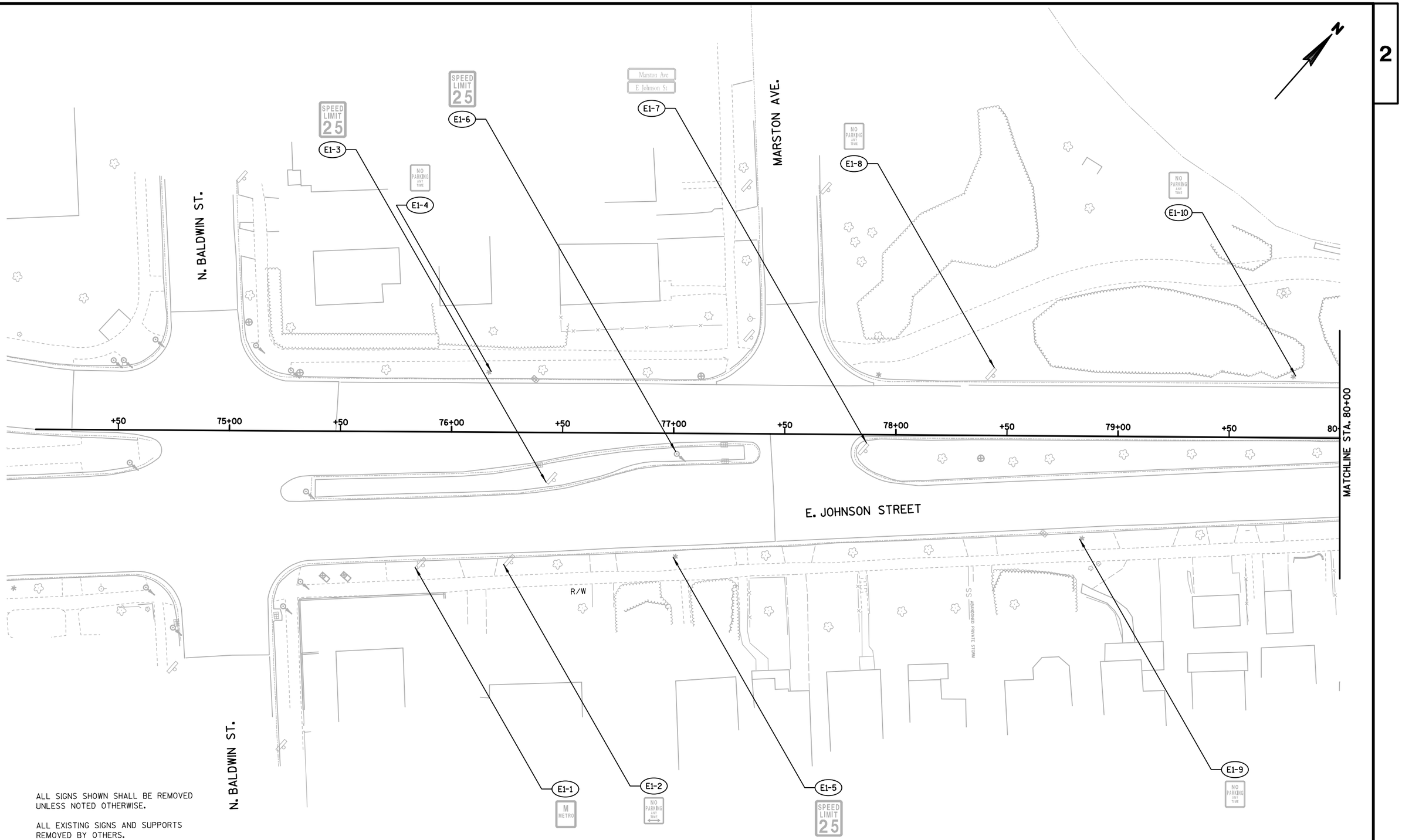
3. CONTRACTOR SHALL REMOVE & REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

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: 592-09-16	HWY: E. JOHNSON STREET	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 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	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

80+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

2

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 E3-2 E3-3 E3-4 E3-5 E3-6 E3-7 E3-8 E3-9 E3-10 E3-11 E3-12 E3-13

M METRO

NO PARKING ANY TIME

ALTERNATE SIDE PARKING

NO PARKING ANY TIME

SPEED LIMIT 25

NO PARKING IN THIS CIRCLE

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

NO PARKING THIS SIDE

BIKE ROUTE

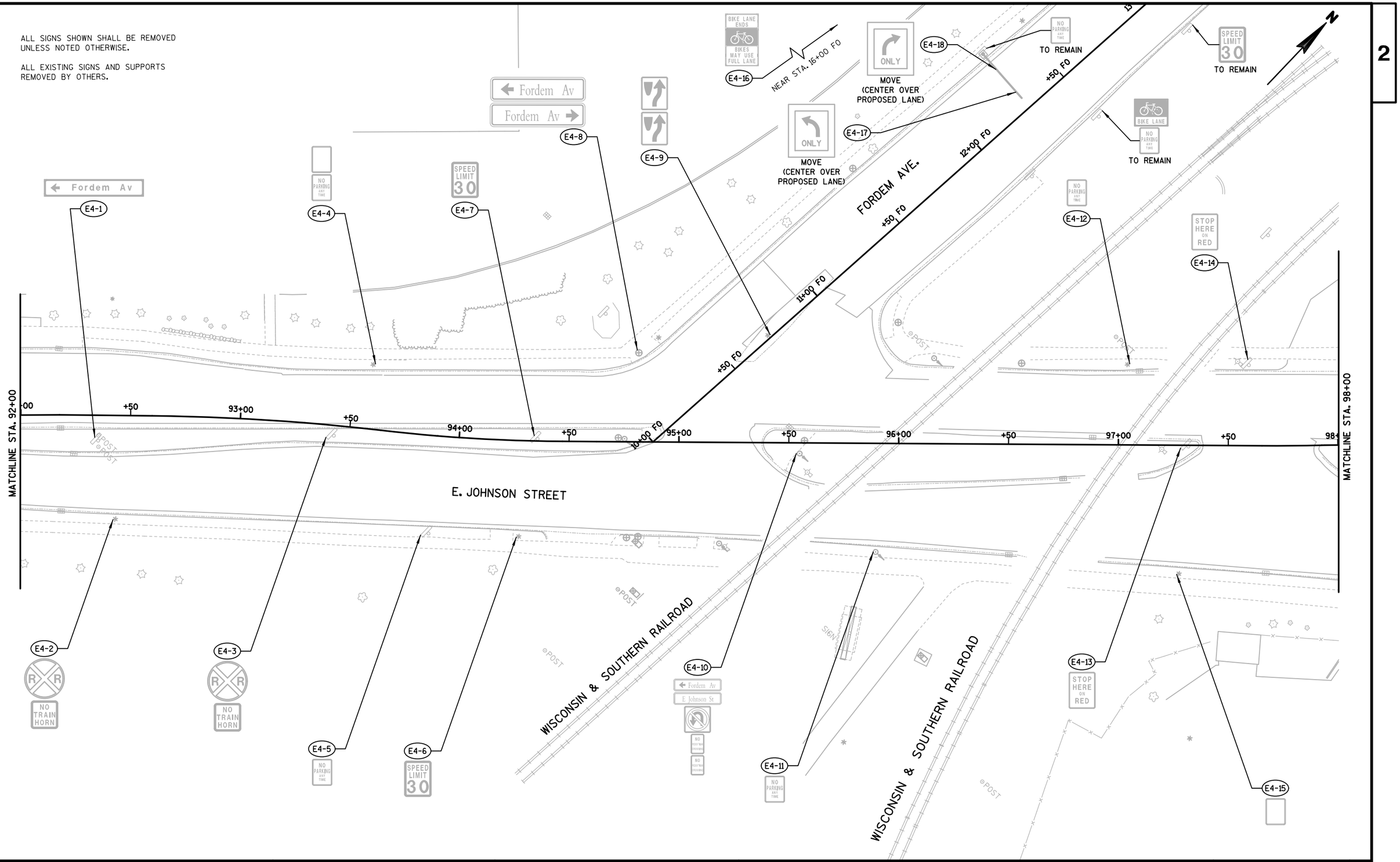
ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS REMOVED BY OTHERS.

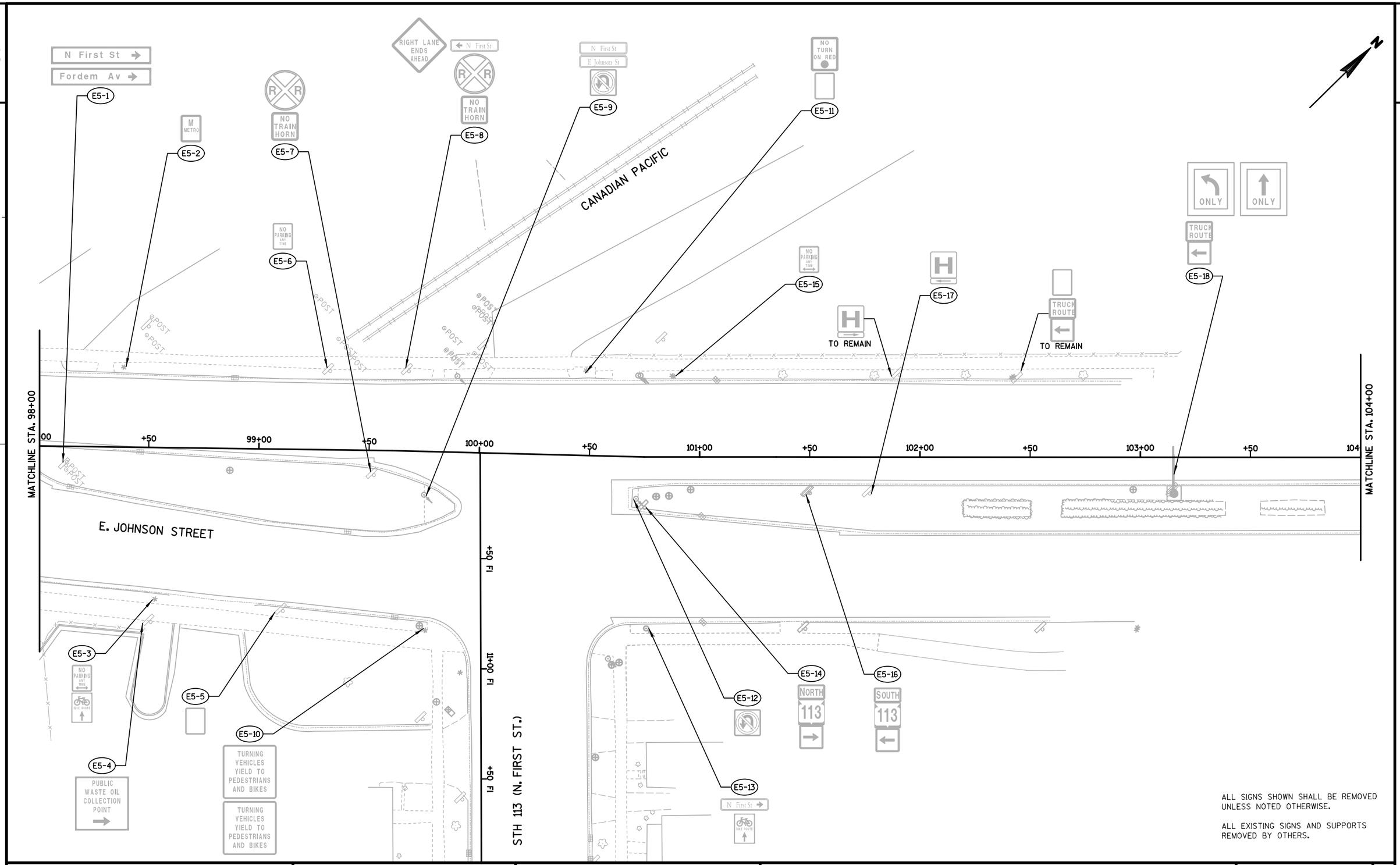
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E

ALL SIGNS SHOWN SHALL BE REMOVED
UNLESS NOTED OTHERWISE.

ALL EXISTING SIGNS AND SUPPORTS
REMOVED BY OTHERS.

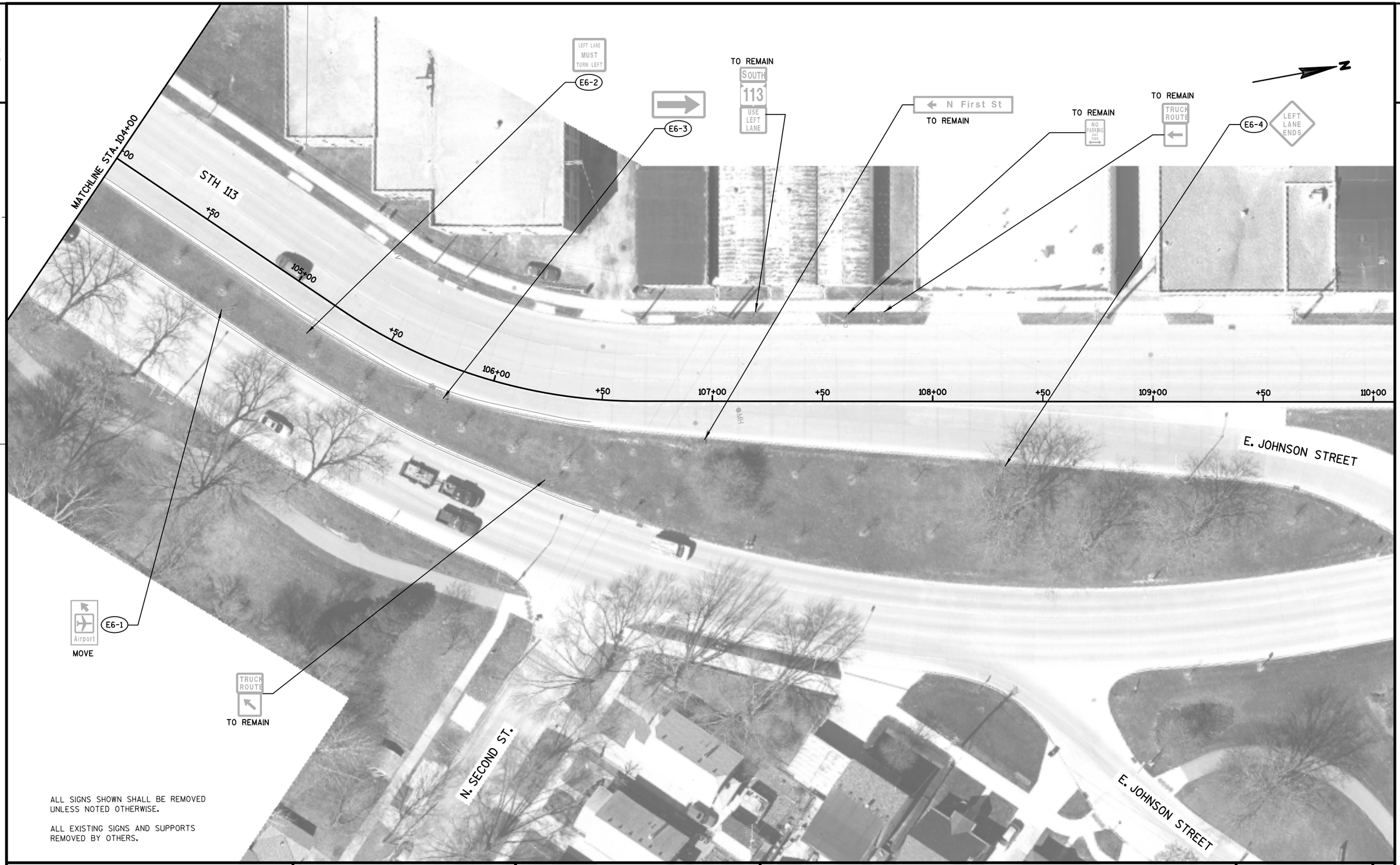


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E



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

2

STH 113

E. DAYTON ST.

STH 113 (N. FIRST ST.)

E. JOHNSON STREET

100+00 +50 FI 11+00 FI +50 FI 12+00 FI +50 FI 13+00 FI +50 FI 14+00 FI +50 FI 15+00 FI +50 FI

101+00 +50 100+00 +50 99+00 +50

E7-1 NO TURN ON RED

TO REMAIN

TO REMAIN NORTH 113

TO REMAIN TRUCK ROUTE

TO REMAIN BIKE LANE NO PARKING ANY TIME

E7-5 ONLY ONLY

TO REMAIN

TO REMAIN NO TURN ON RED

APPROX. 17+65 FI, MEDIAN

E7-15

E7-16

APPROX. 16+95 FI, MEDIAN

E7-14 ONLY ONLY

E7-13

M METRO

TO REMAIN

E7-2 PUBLIC WASTE OIL COLLECTION POINT

PUBLIC WASTE OIL COLLECTION POINT

E7-3 NO PARKING ANY TIME

E7-4 SPEED LIMIT 25 BIKE LANE

E7-6 M METRO

E7-7 END JCT 113 151

E7-8 DO NOT ENTER STOP

E7-10 DO NOT ENTER STOP

E7-9 NO PARKING ANY TIME

E7-11 ONLY

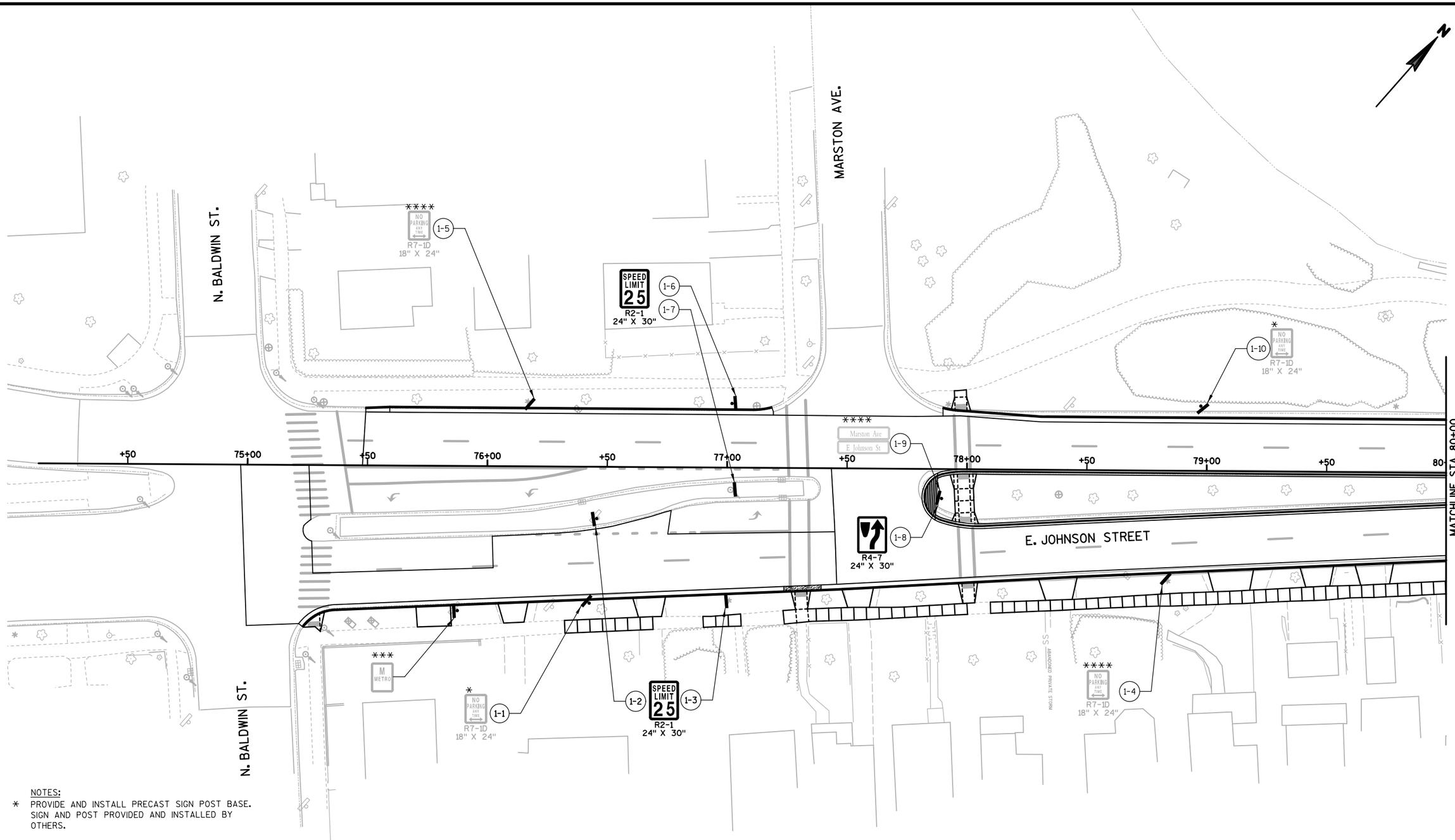
E7-12 H

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

2



NOTES:

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

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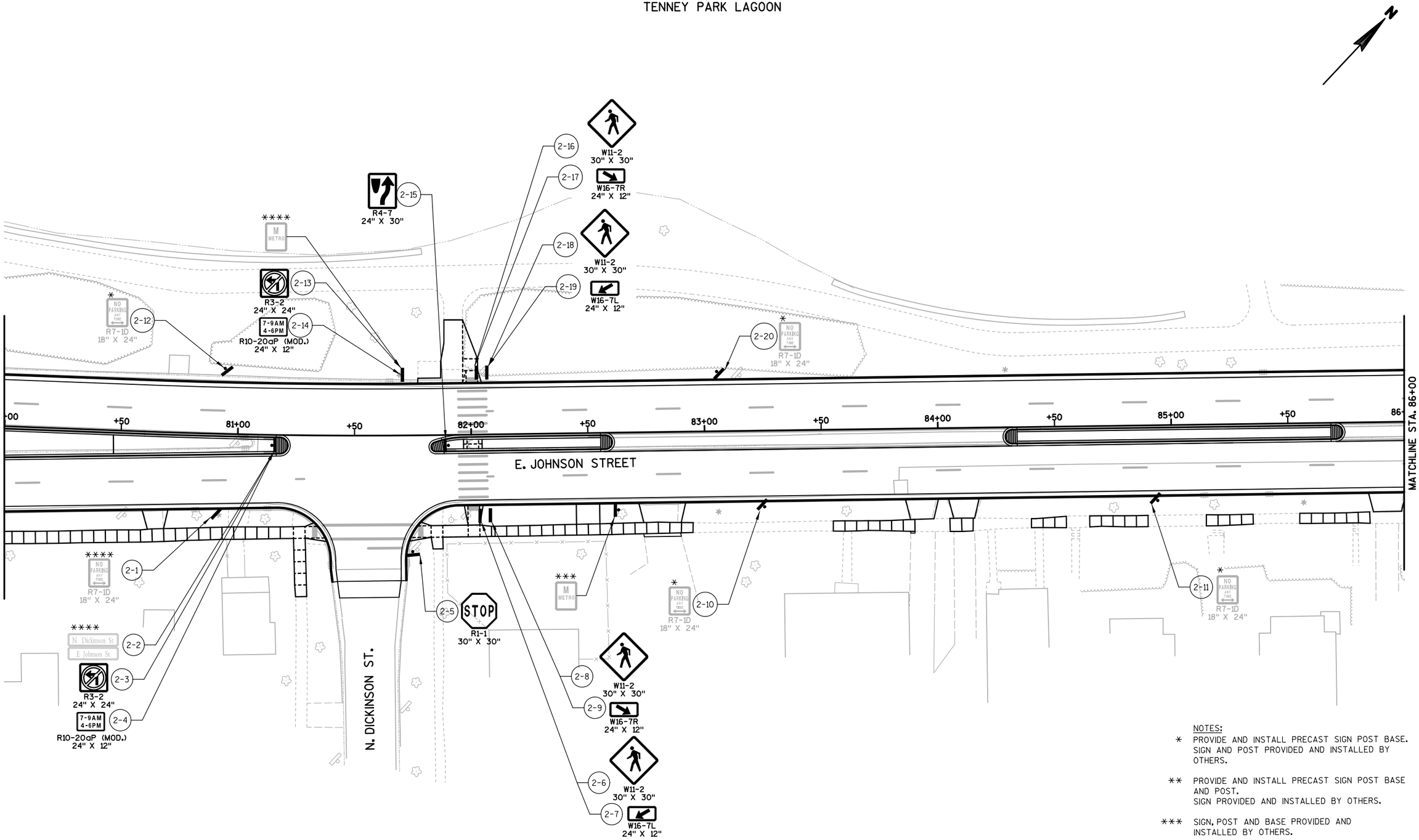
*** SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS.

**** SIGN PROVIDED AND INSTALLED BY OTHERS

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

2

TENNEY PARK LAGOON



NOTES:

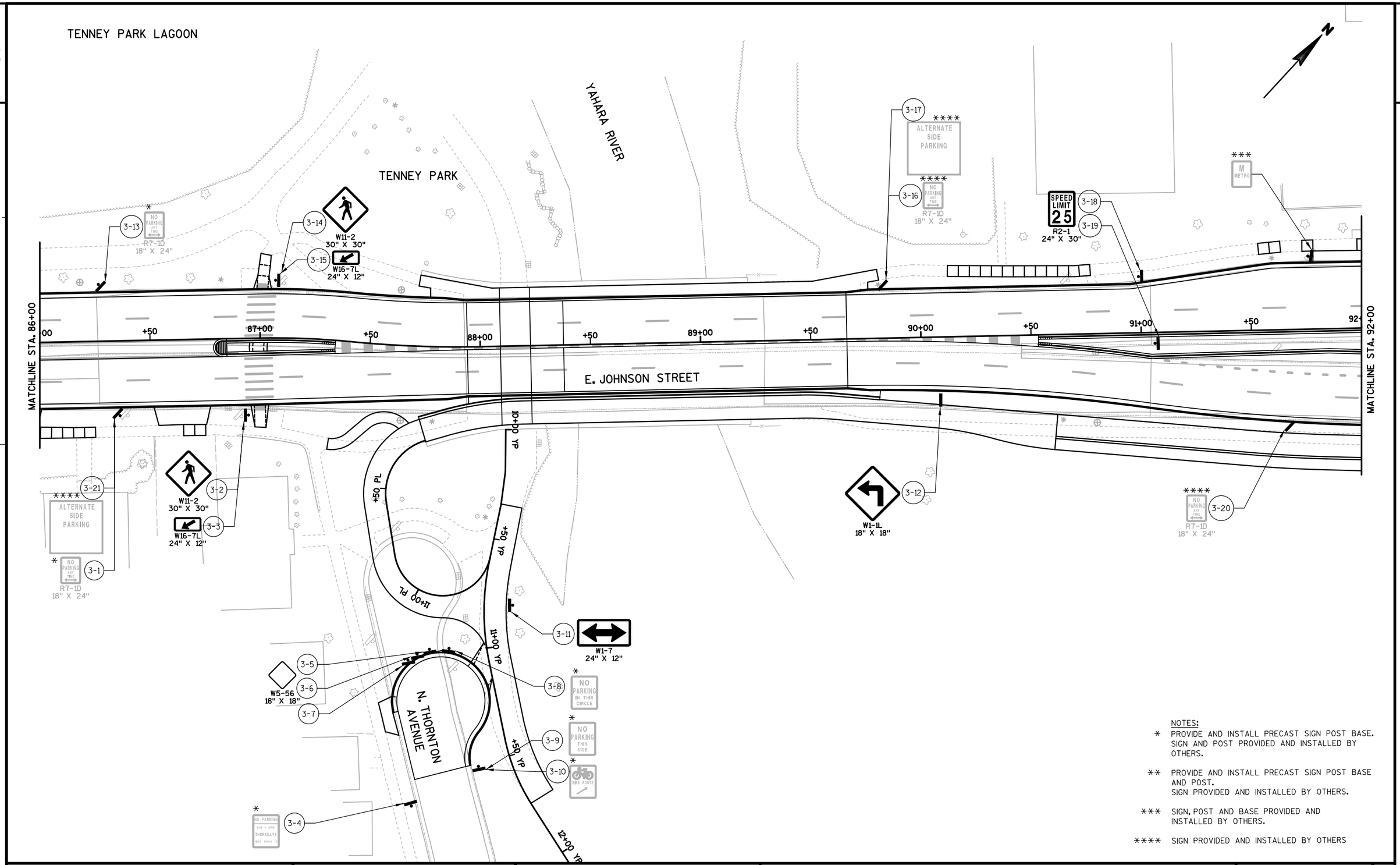
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET	E



NOTES:

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

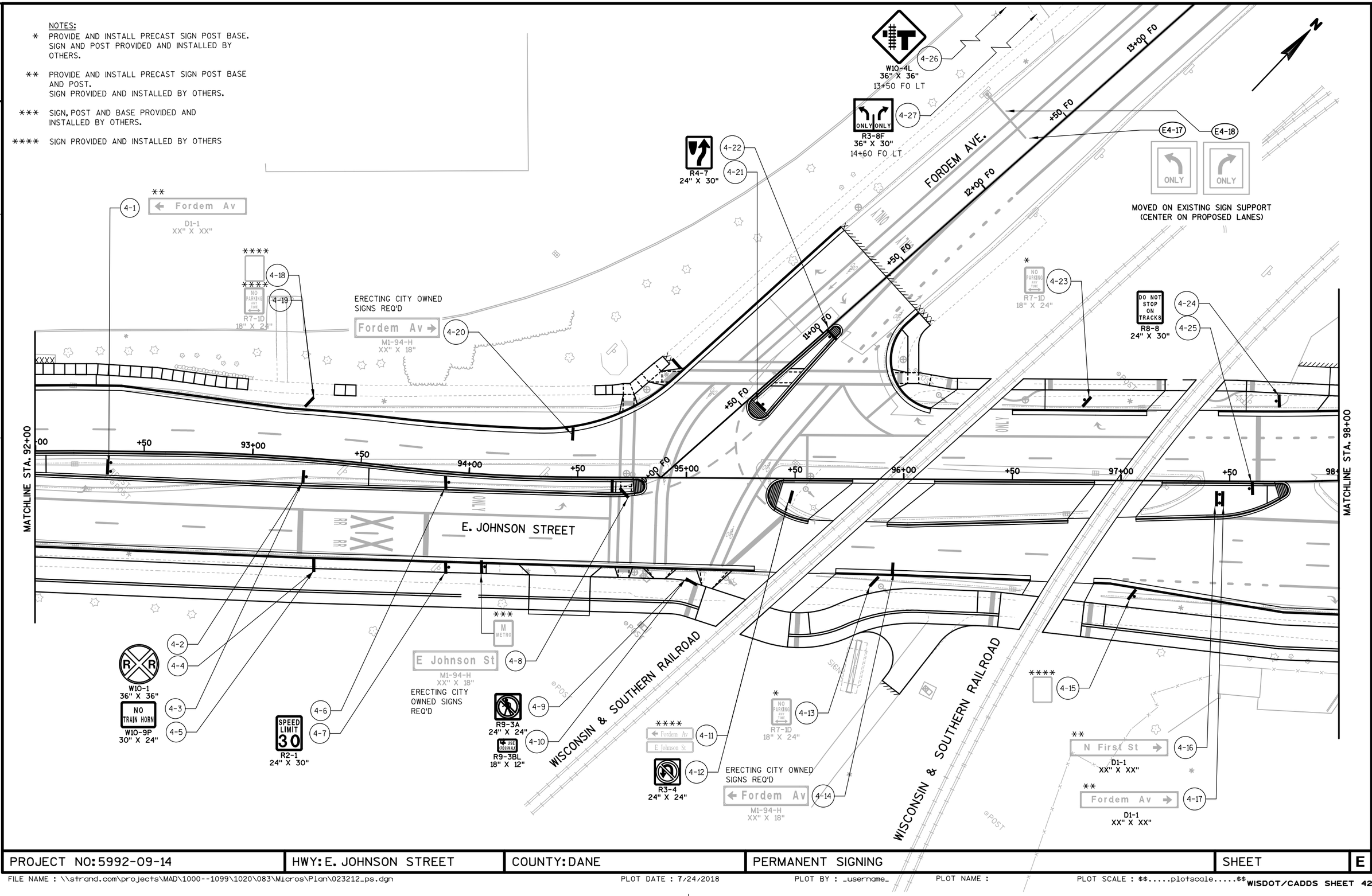
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

NOTES:

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

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

5-14 W10-1 36" X 36"

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

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

5-18 R3-4 24" X 24"

5-12 W10-1 36" X 36"

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

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

5-10 R3-4 24" X 24"

*** M METRO

CANADIAN PACIFIC

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

5-21 ****

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

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)

MATCHLINE STA. 98+00

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

MATCHLINE STA. 104+00

E. JOHNSON STREET

ONLY

STH 113 (N. FIRST ST.)

50' LT

5-9 R3-4 24" X 24"

5-1 * BIKE ROUTE

5-2 * PUBLIC WASTE OIL COLLECTION POINT

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

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

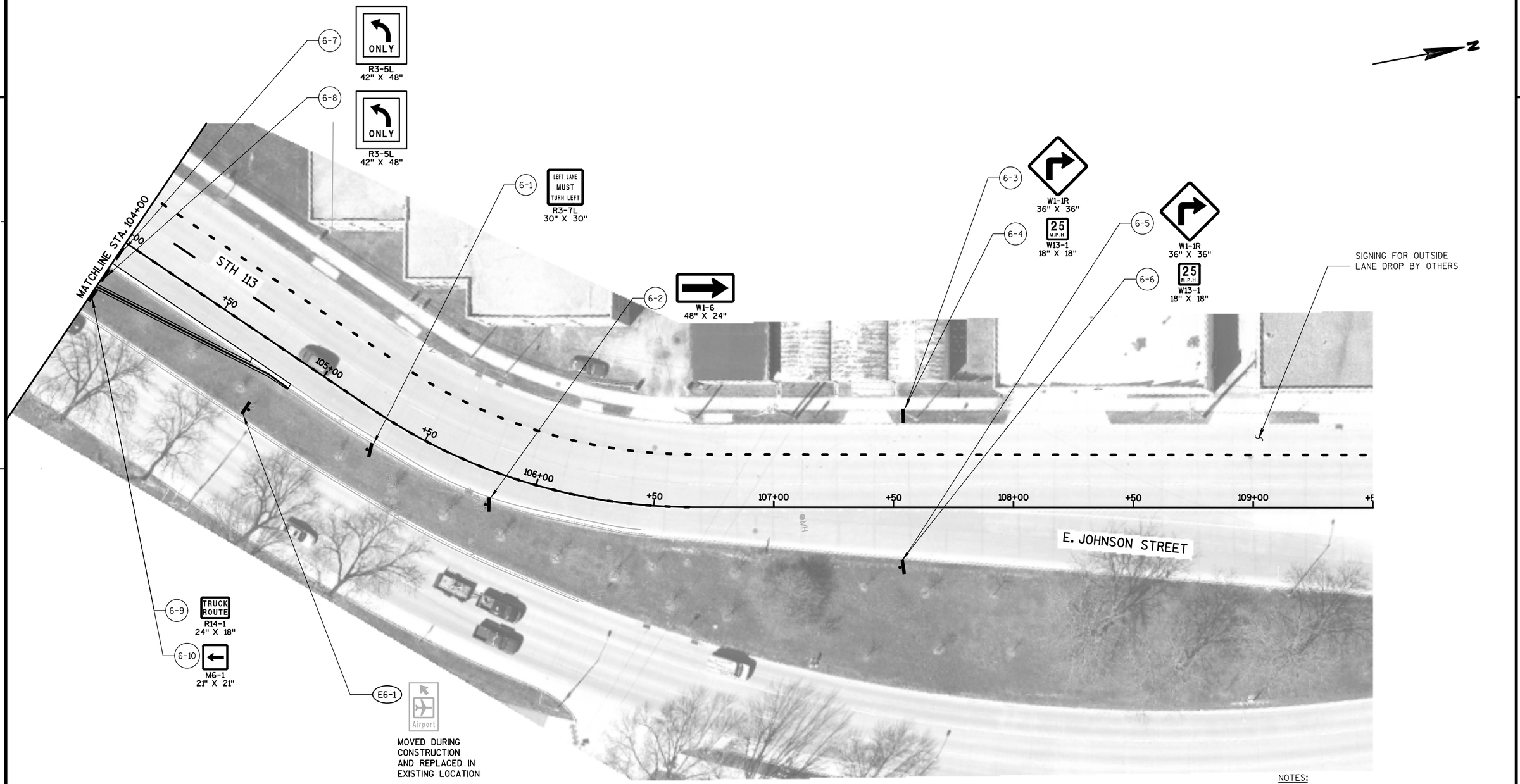
5-5 NO TURN ON RED R10-11 24" X 30"

5-4 * BIKE ROUTE

5-8 D9-2 24" X 24" / MB6-1 21" X 21"

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

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



NOTES:

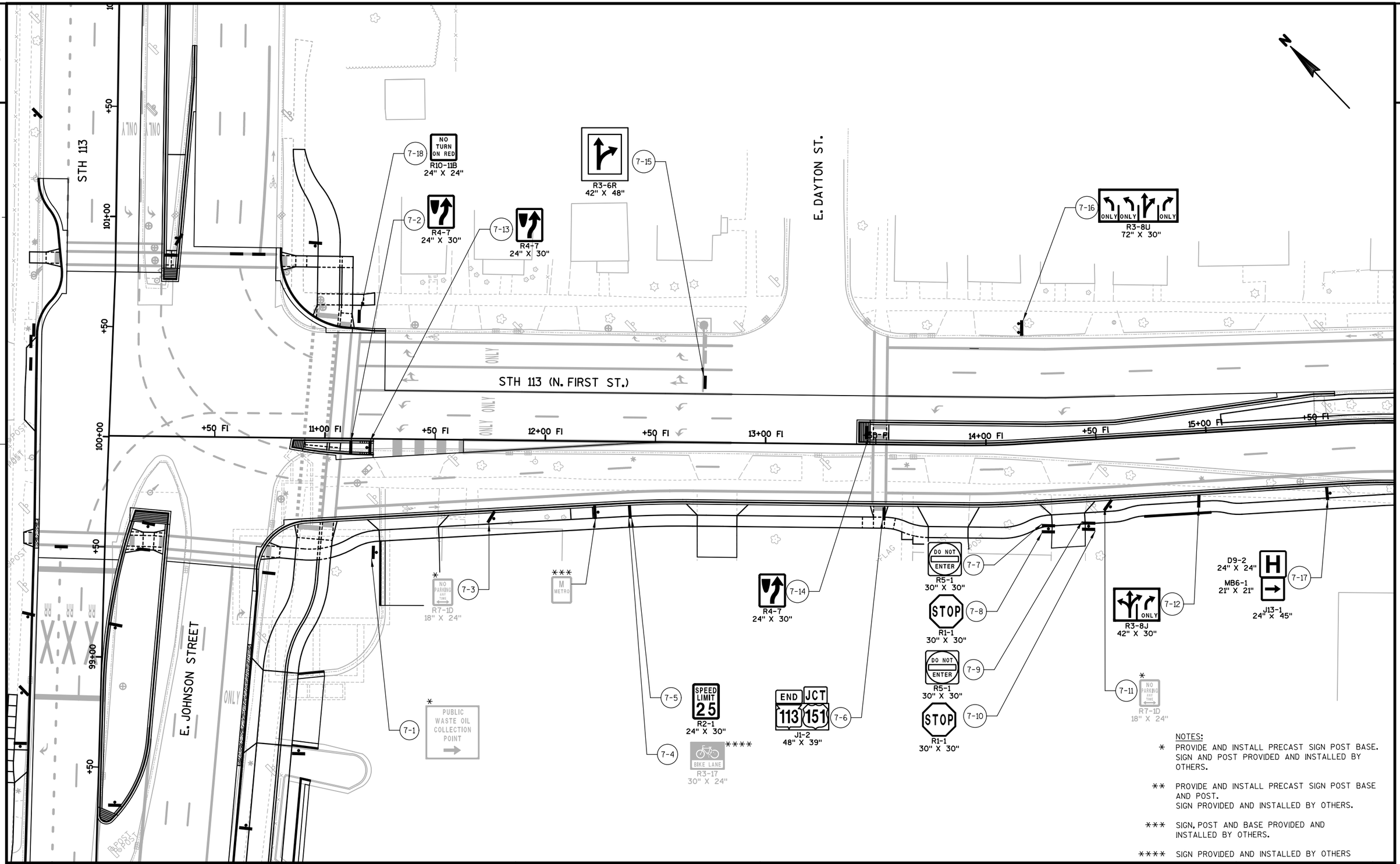
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PERMANENT SIGNING	SHEET	E



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**** SIGN PROVIDED AND INSTALLED BY OTHERS

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

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

SL3976
LC1/1A

SL3974
LC1/1A

SL3972
LC1/1A

SL3975
LC1/2A

SL3973
LC1/2A

STREET LIGHT
REMOVAL

L725

HH1

HH2

HH3

HH4

LC1

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

MATCHLINE STA. 80+00

LEGEND

- LB-10 CONCRETE BASE
- 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

2

LEGEND

- LB-10 CONCRETE BASE
- 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

N

2

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

SL3970
LC1/1A

SB1

HH7

SL3968
LC1/3M

MATCHLINE STA. 80+00

81+00

82+00

SB2

HH6

E. JOHNSON STREET

SL3971
LC1/4M

SB3

HH5

SL3969
LC1/2A

83+00

84+00

85+00

HH8

SL3967
LC1/4M

MATCHLINE STA. 86+00

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

KEVIN GLUNN
1353 E. JOHNSON STREET

IRENE KILCOYNE
1343 E. JOHNSON STREET

N. DICKINSON ST.

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

2

TENNEY PARK

TENNEY PARK LAGOON

YAHARA RIVER

L075
LC1/1A

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

CITY OF MADISON PARKS

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

N

SL3966
LC1/1A

HH9

HH10

L076
TC1

L077
TC1

L078
TC1

MATCHLINE STA. 86+00

87+00

88+00

89+00

90+00

91+00

92+00

+50

E. JOHNSON STREET

CONNECT TO EXISTING
SL CONDUIT

SL1964
LC1/2A

HH11

HH12

HH13

HH14

HH15

STREET LIGHT
REMOVAL

PUMP
TC1

L079
TC1

SL1964-1
LC1/2A

STREET LIGHT
REMOVAL

SL3963
LC2/2A

STREET LIGHT
REMOVAL

SL3961
LC2/4M

SL3962
LC2/7M

SL3960-1
LC2/5A

STREET LIGHT
REMOVAL

MATCHLINE STA. 92+00

JSSAINT APARTMENTS LLC
1E. JOHNSON STREET

KAREN SCHAPPE
220 N. THORNTON AVENUE

ROBERT MILLER TRUST
PATRICA MILLER TRUST
216 N. THORNTON AVENUE

N. THORNTON AVENUE

CITY OF MADISON PARKS

CITY OF MADISON PARKS

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

MADISON GAS & ELECTRIC
1701 E. JOHNSON STREET

LEGEND

- LB-10 CONCRETE BASE
- 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

2

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

STATE OF WI WISDOT
1890 E. JOHNSON STREET

FORDEM AVE.

E. JOHNSON STREET

MATCHLINE STAGE 2 STA. 92+00

MATCHLINE STAGE 2 STA. 98+00

HH22 L9 L10 +50 FO 12+00 FO

HH21 L6 L7 L8 11+00 FO HH23 HH28 TS3

SL3957 LC2/2A

STREET LIGHT REMOVAL

SL3956 LC2/2A

SL3954 LC2/2A

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

SL3959 LC2/2A

TS2 TC1 TS1 HH17

HH29 L11 L12 L13

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

+50 FO

HH18 HH19 HH24 TS4 HH30

L5

SL3958 LC2/7M/5A

SL3960 LC2/7M

L1 L2 HH16 L3 L4

STREET LIGHT REMOVAL

TS7 HH20 TS6

STREET LIGHT REMOVAL

HH25 HH27

SL3955 LC2/5A/5A

TS5

STREET LIGHT REMOVAL

5A 7M SL3953 LC2

L14 L15 HH31 HH32

STREET LIGHT REMOVAL

WISCONSIN & SOUTHERN RAILROAD

HH26

WISCONSIN & SOUTHERN RAILROAD

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

STATE OF WI WISDOT
1811 E. JOHNSON STREET

LEGEND

- LB-10 CONCRETE BASE
- 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
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- 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\023504_lp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

SOO LINE RR CO ROOM 1420
1894 E. JOHNSON STREET

FIRST JOHNSON CORPORATION
1898 E. JOHNSON STREET

CANADIAN PACIFIC

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGH REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

SL3939
LC2/1A

SL3937
LC2/1A

SL3952
LC2

SL3950
LC2/6A

SL3940
LC2/1A

SL3942
LC2/1A

SL3936
LC2/1A

STH 113

STH 113
(N. FIRST ST.)

E. JOHNSON STREET

MATCHLINE STA. 98+00

MATCHLINE STA. 11+50 FI

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

abandoned 54" MMSD BOX

abandoned 30" MMSD

24" san. abandoned

8" san. abandoned

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

TC2

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

2A 4M

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

+50

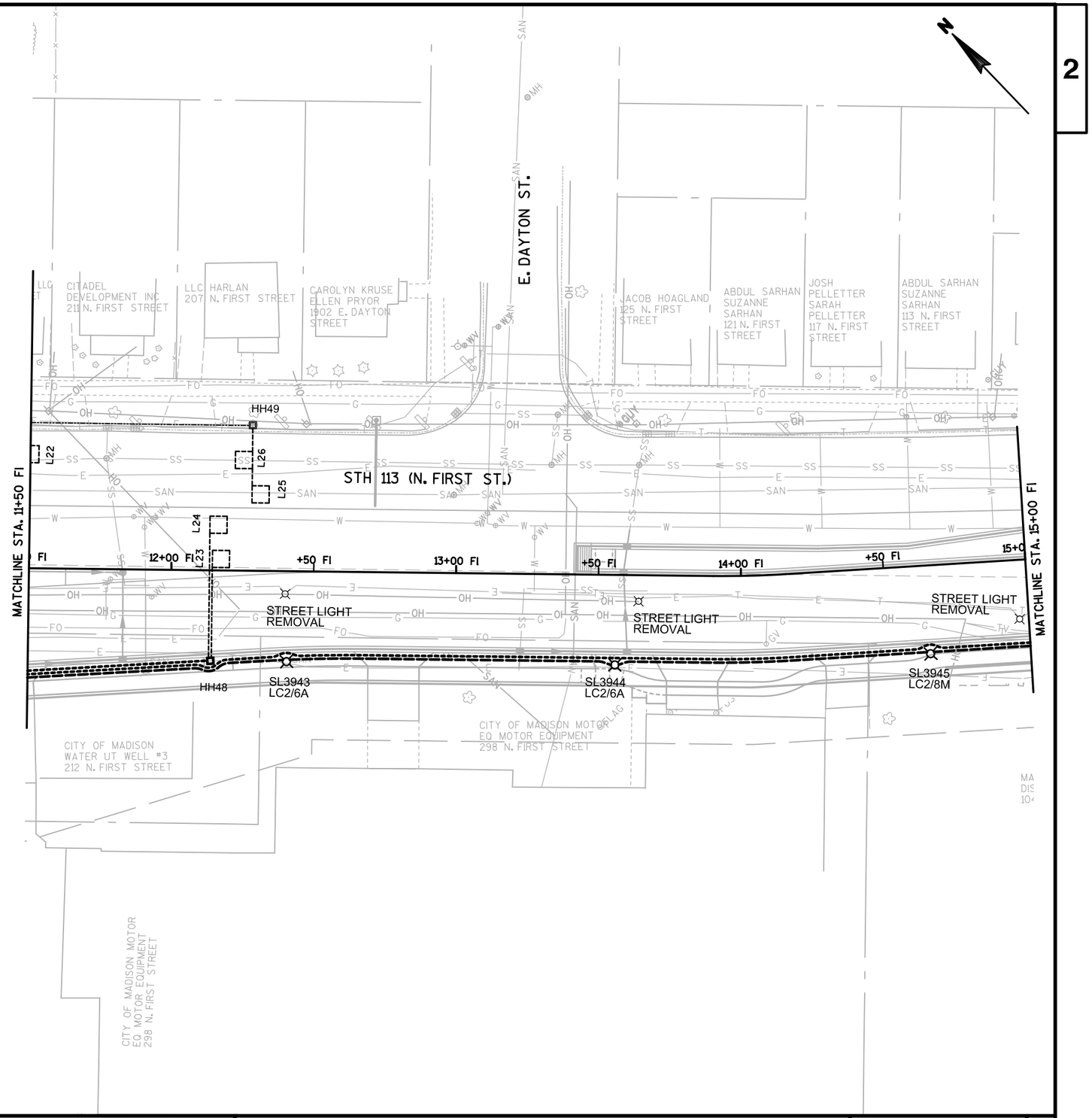
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- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
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- ELECTRICAL PULL BOX TYPE 1/TYPE 3
- ELECTRIAL PULL BOX TYPE 5/TYPE 7
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- LOOP DETECTORS
- 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

2



LEGEND

- LB-10 CONCRETE BASE
- 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

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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

2



LEGEND

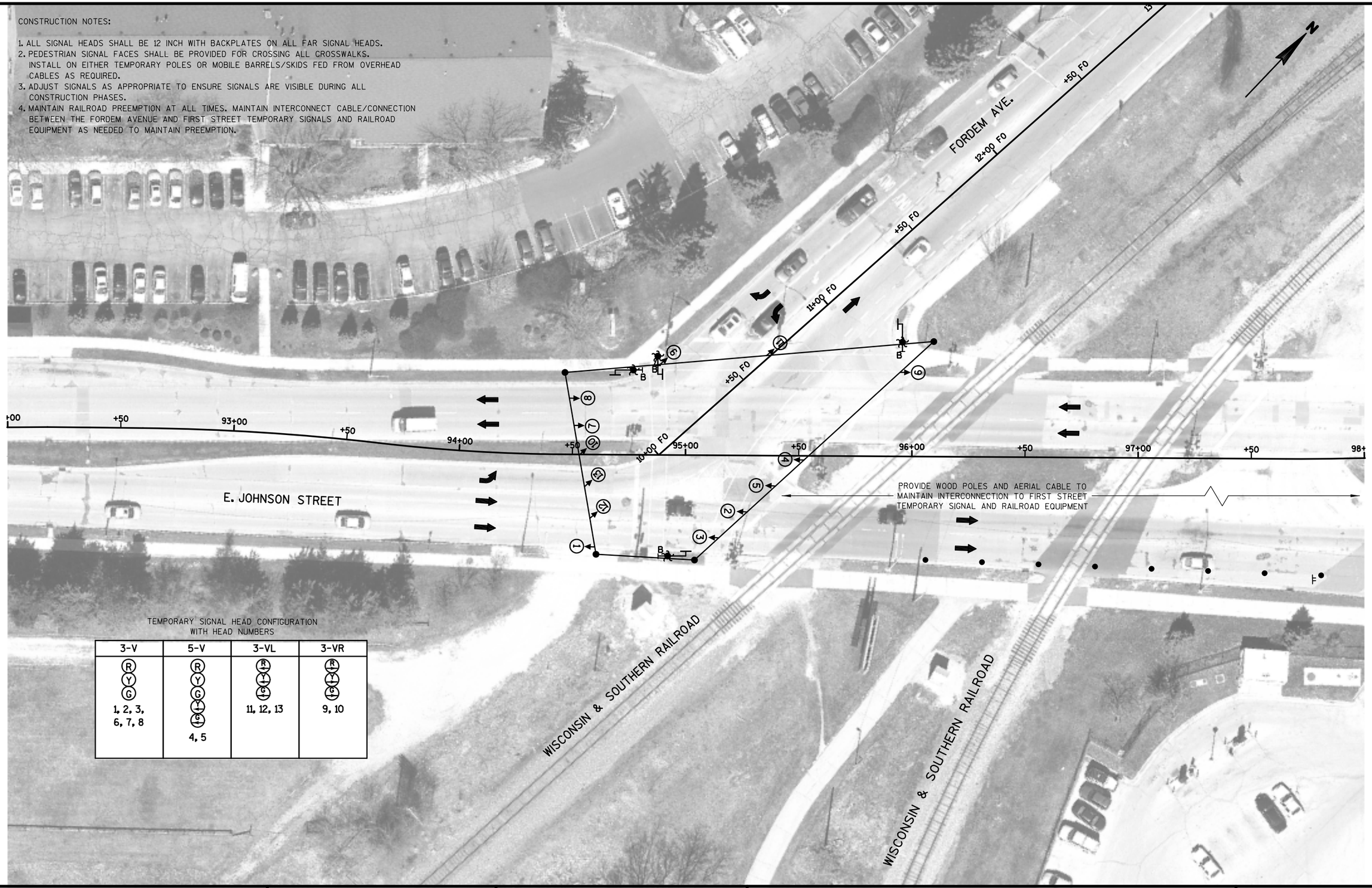
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- PEDESTRIAN SIGNAL
- EXISTING STREET LIGHT

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

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.



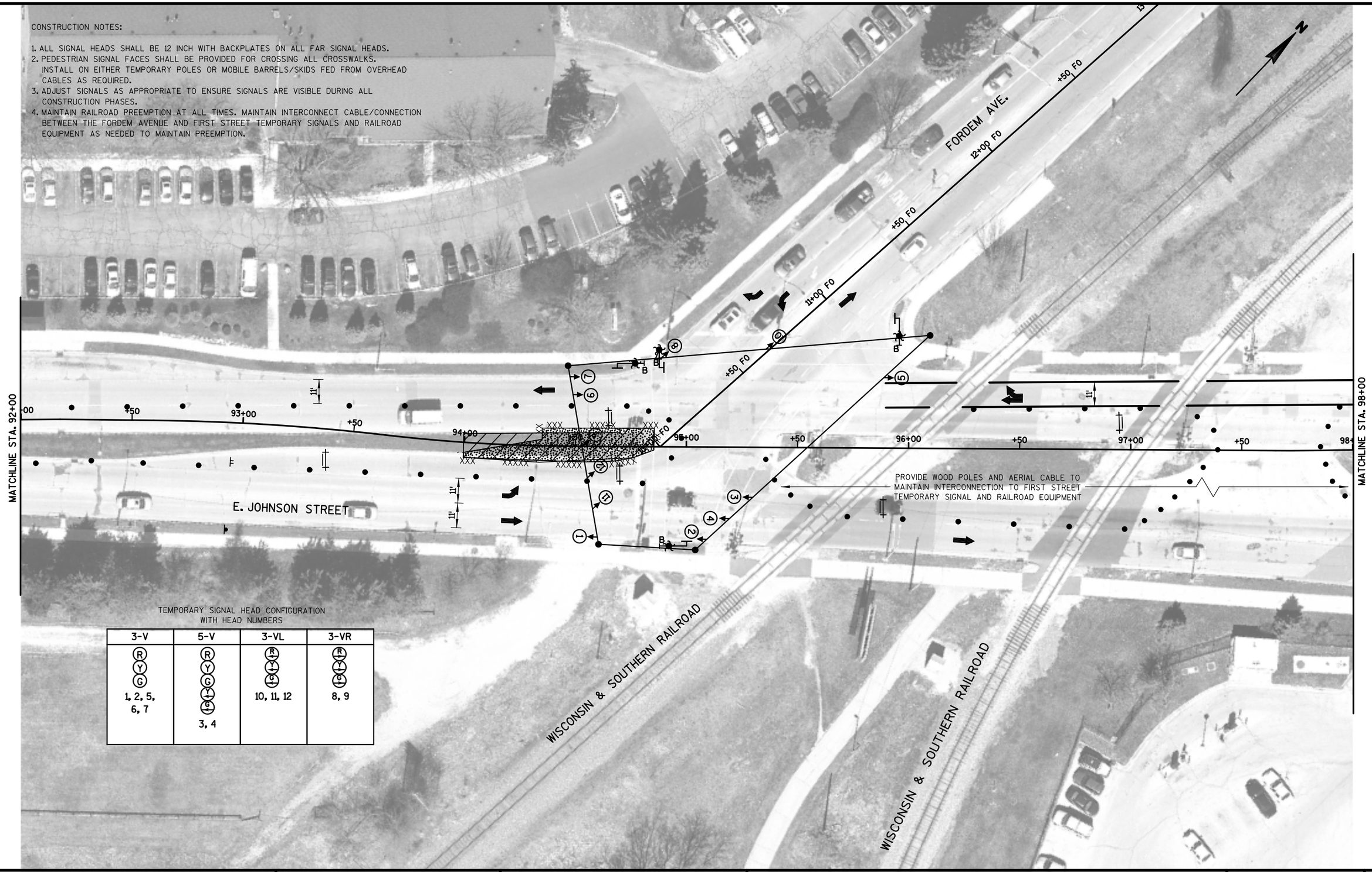
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
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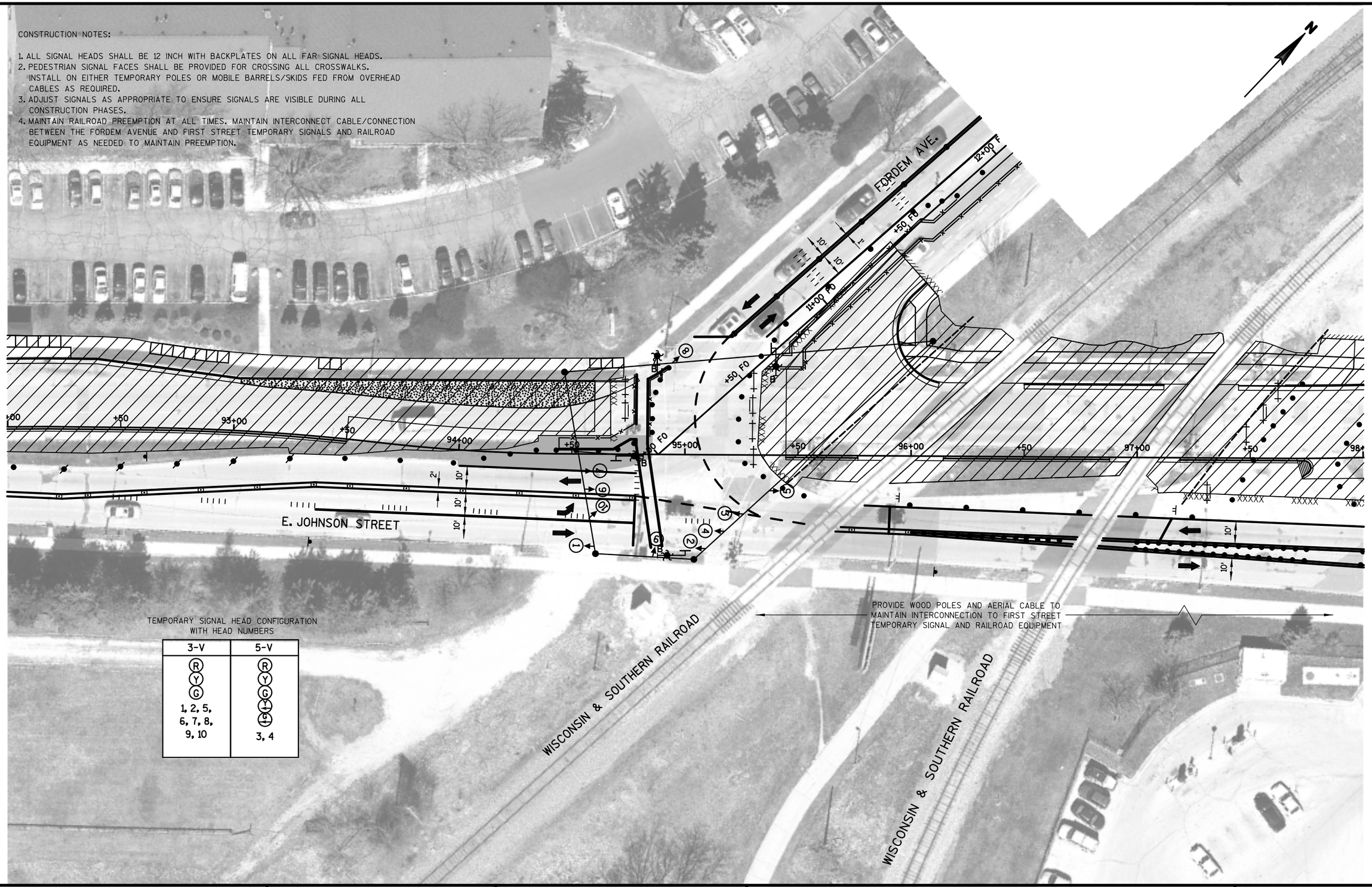
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	5-V	3-VL	3-VR
R Y G	R Y G 1e 1a	1a 1e 1a	1a 1e 1a
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	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.



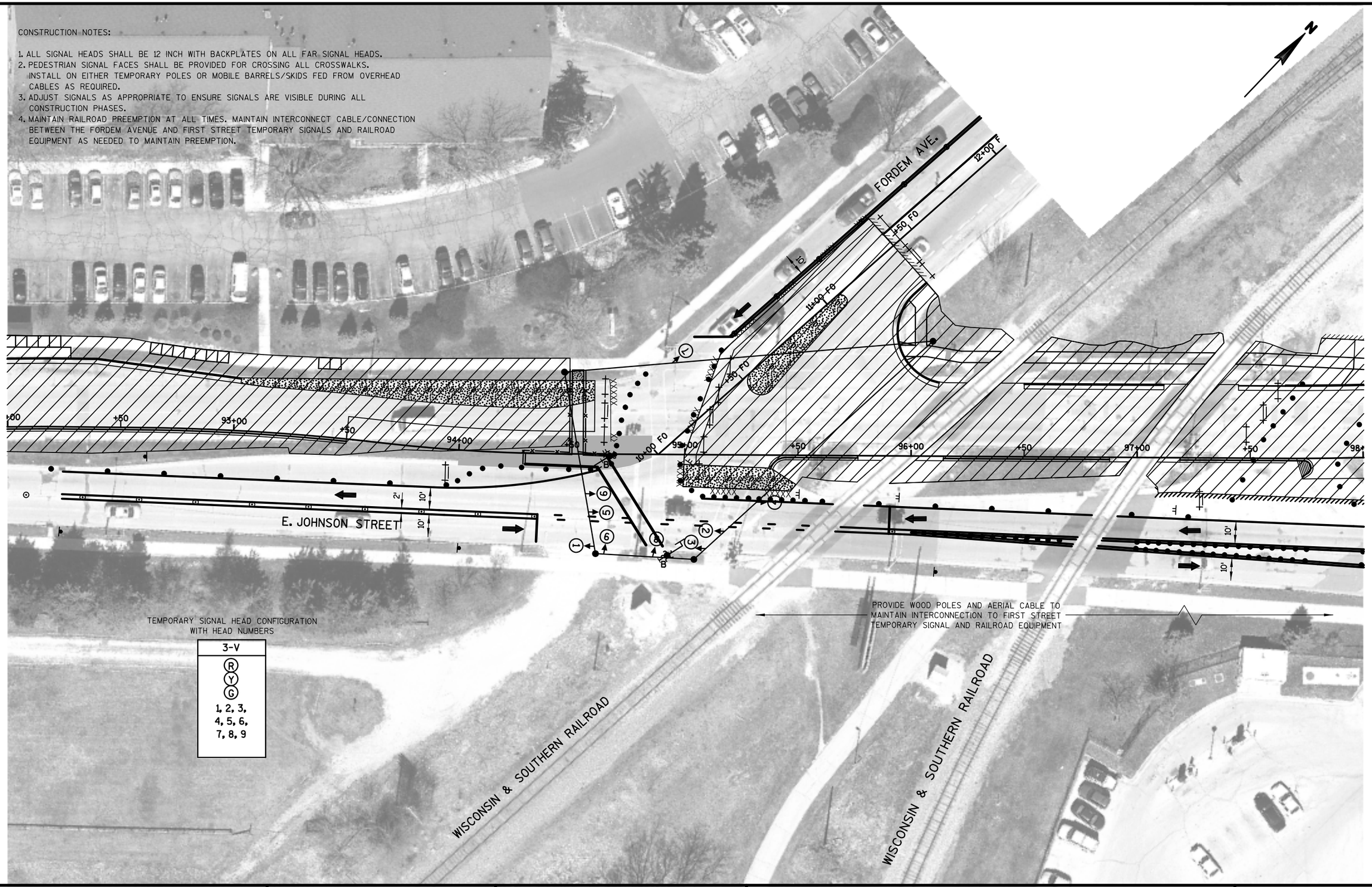
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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	E

CONSTRUCTION NOTES:

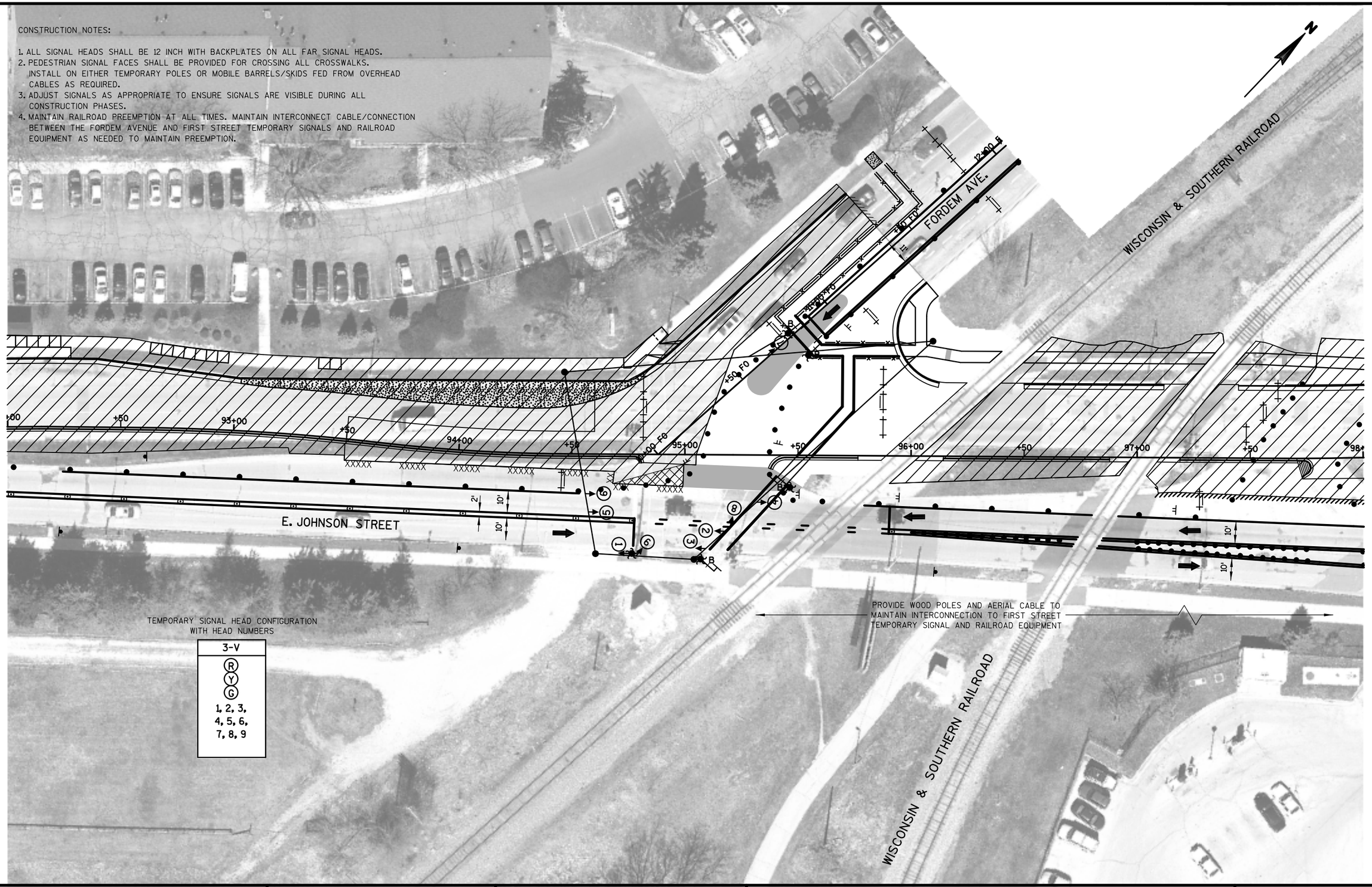
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2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2A	SHEET	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.



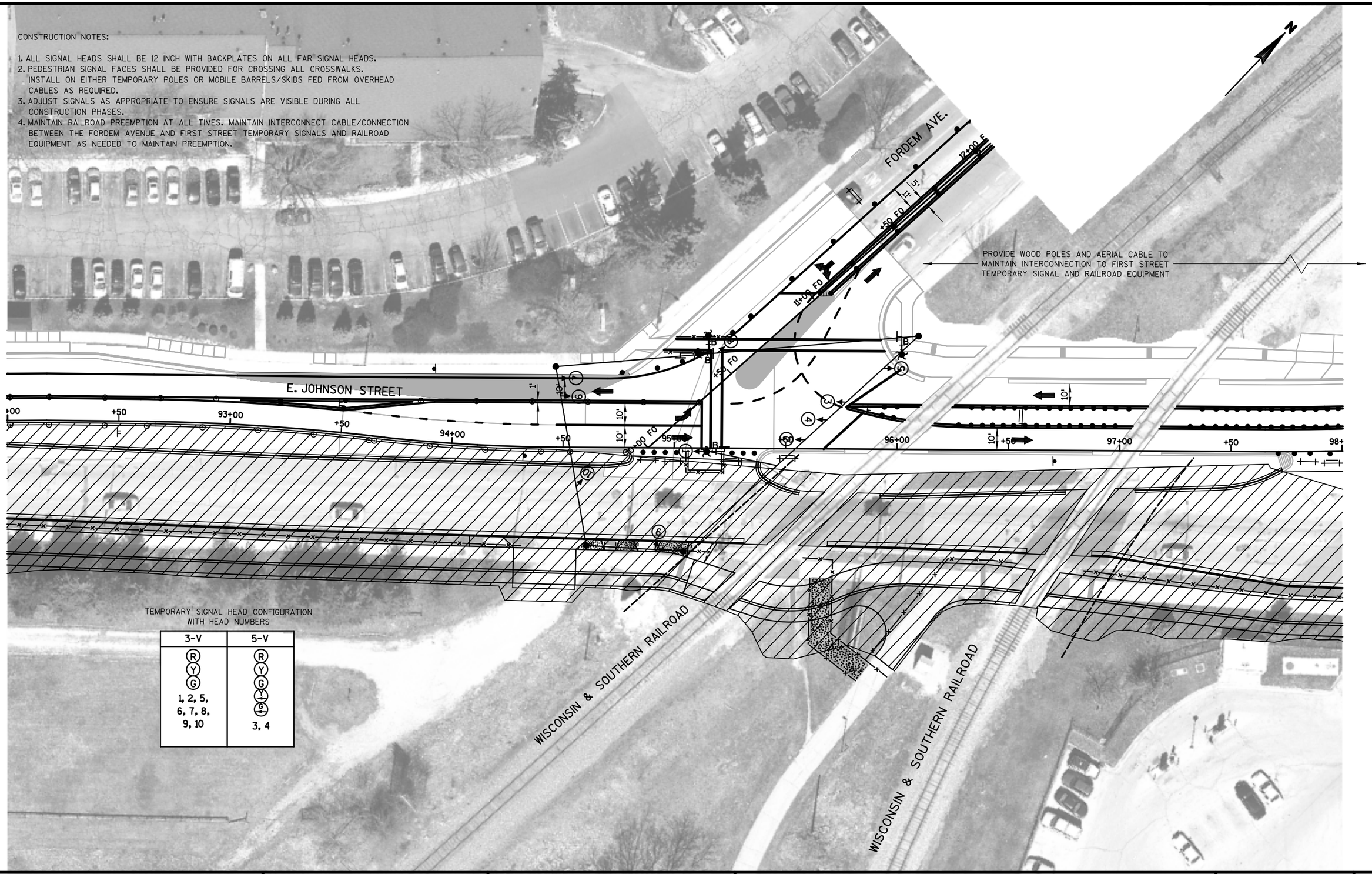
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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



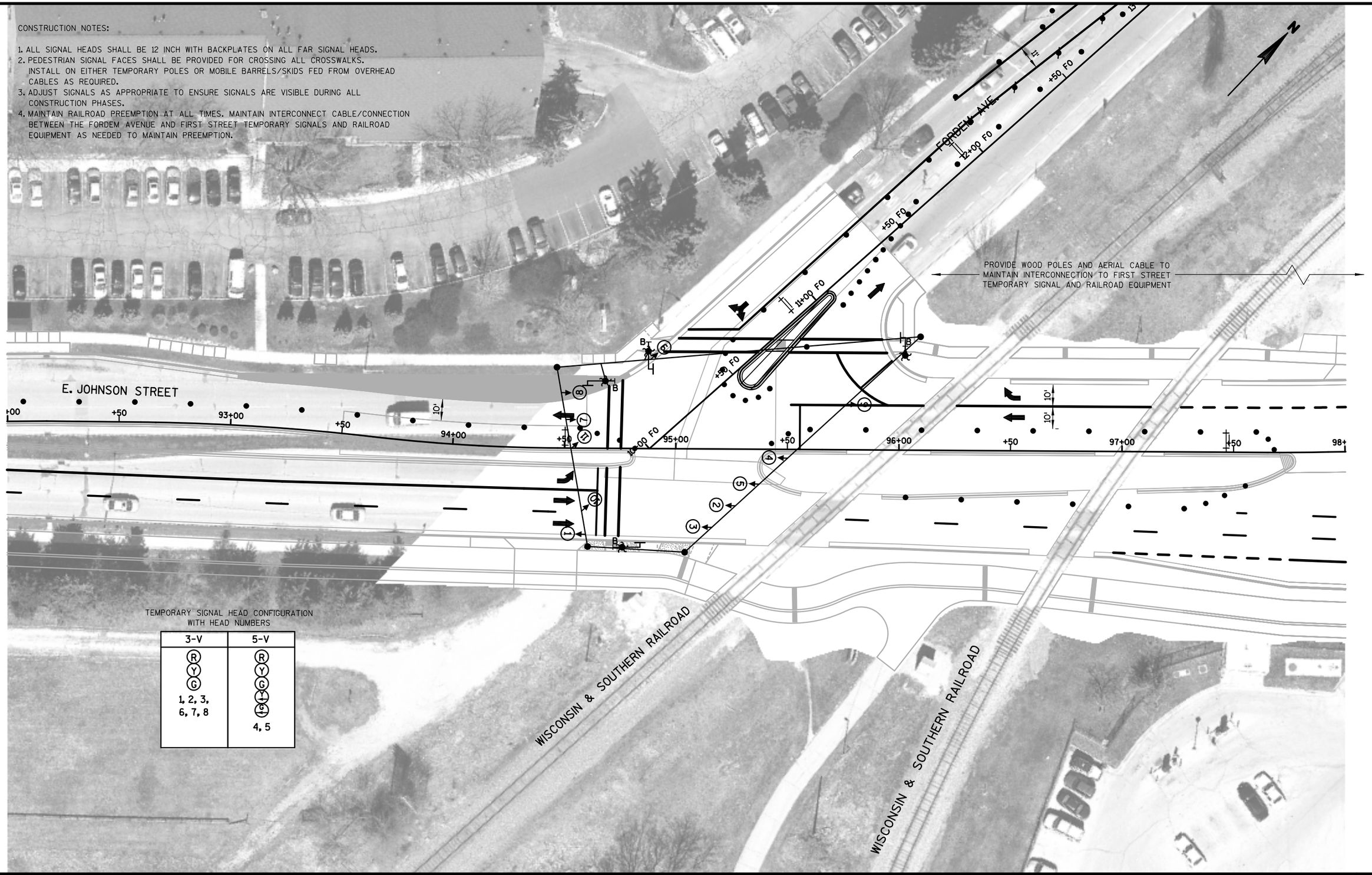
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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	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.
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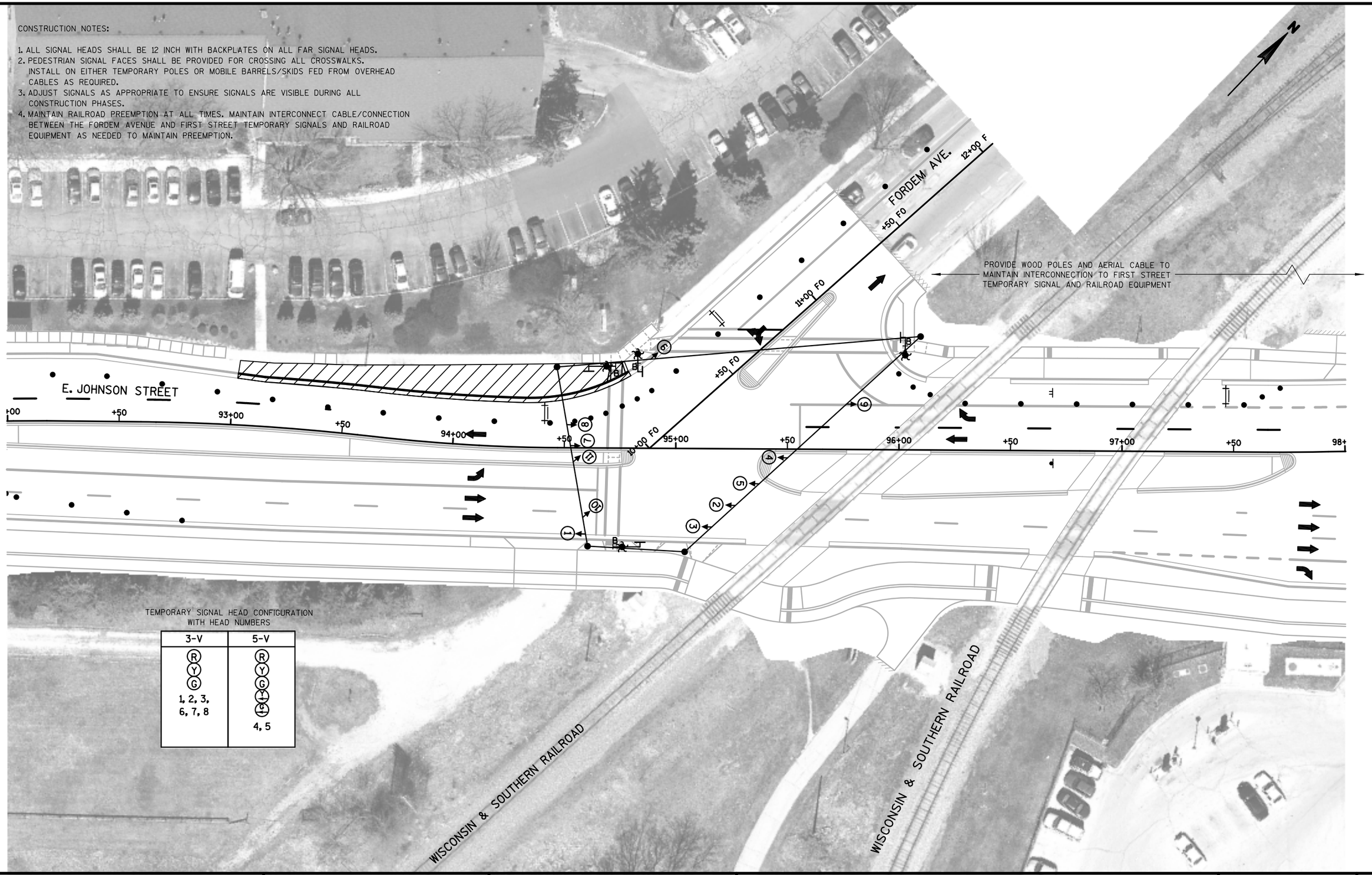
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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.
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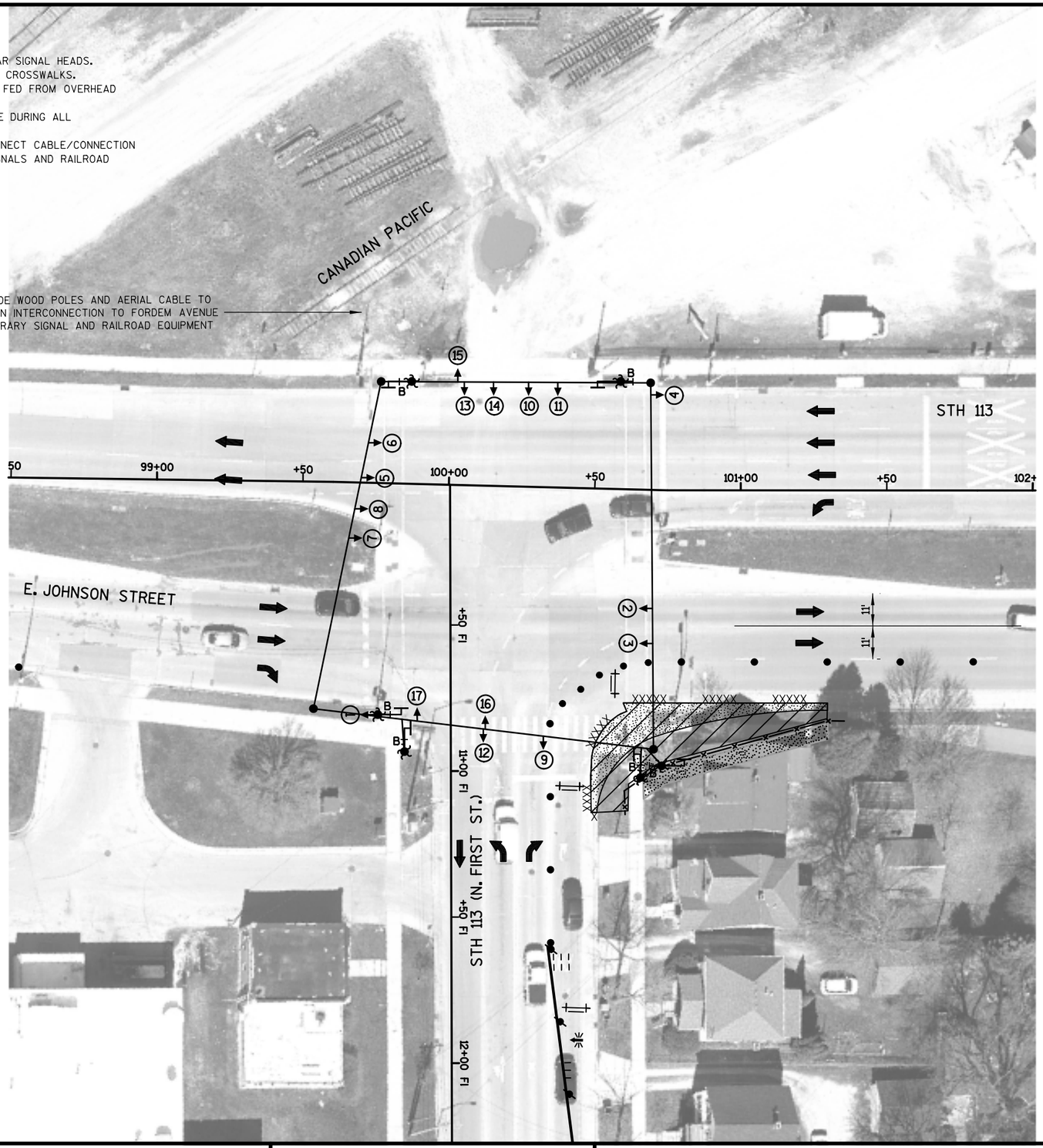
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

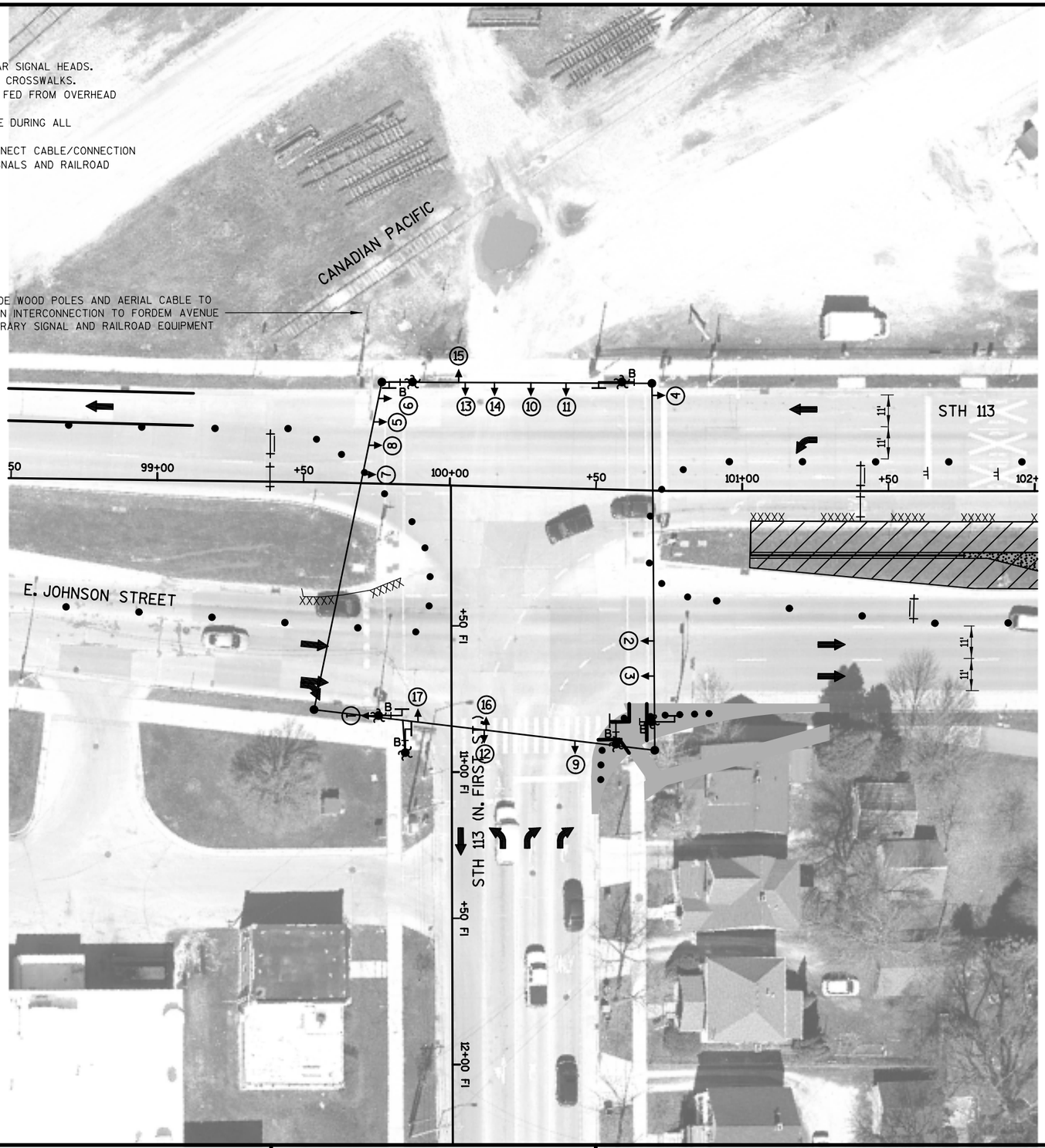
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1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
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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.
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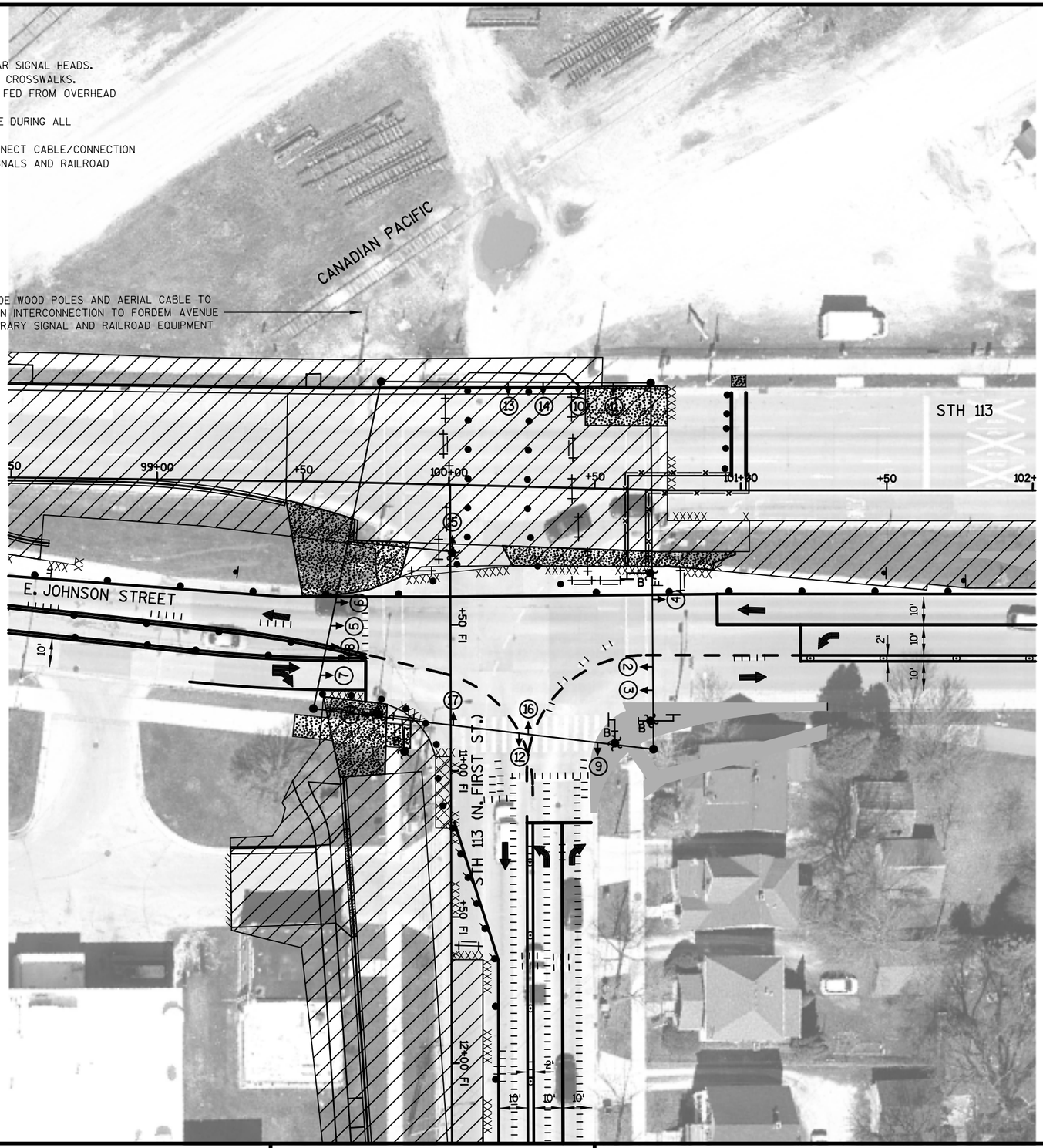
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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.
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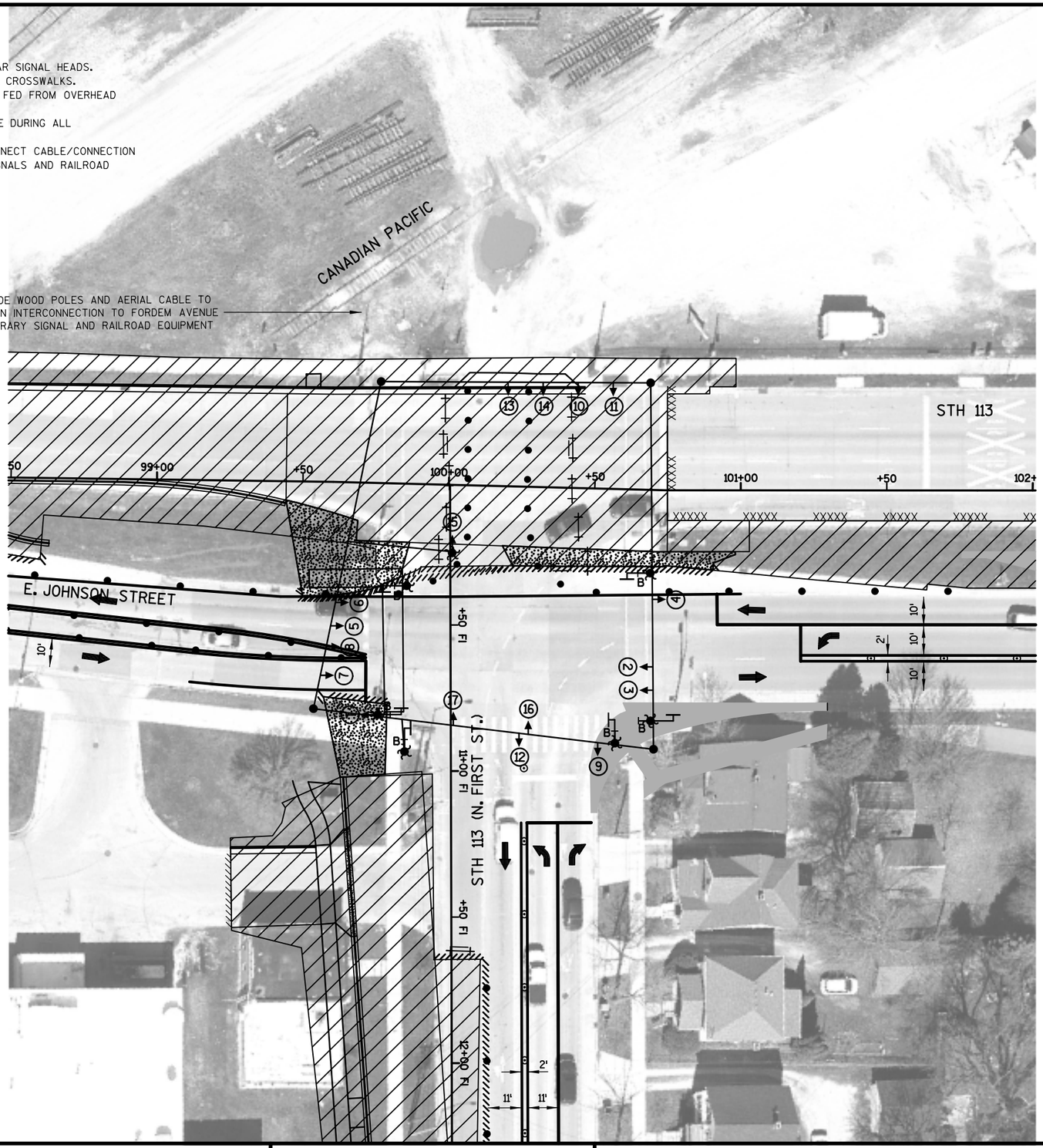
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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.
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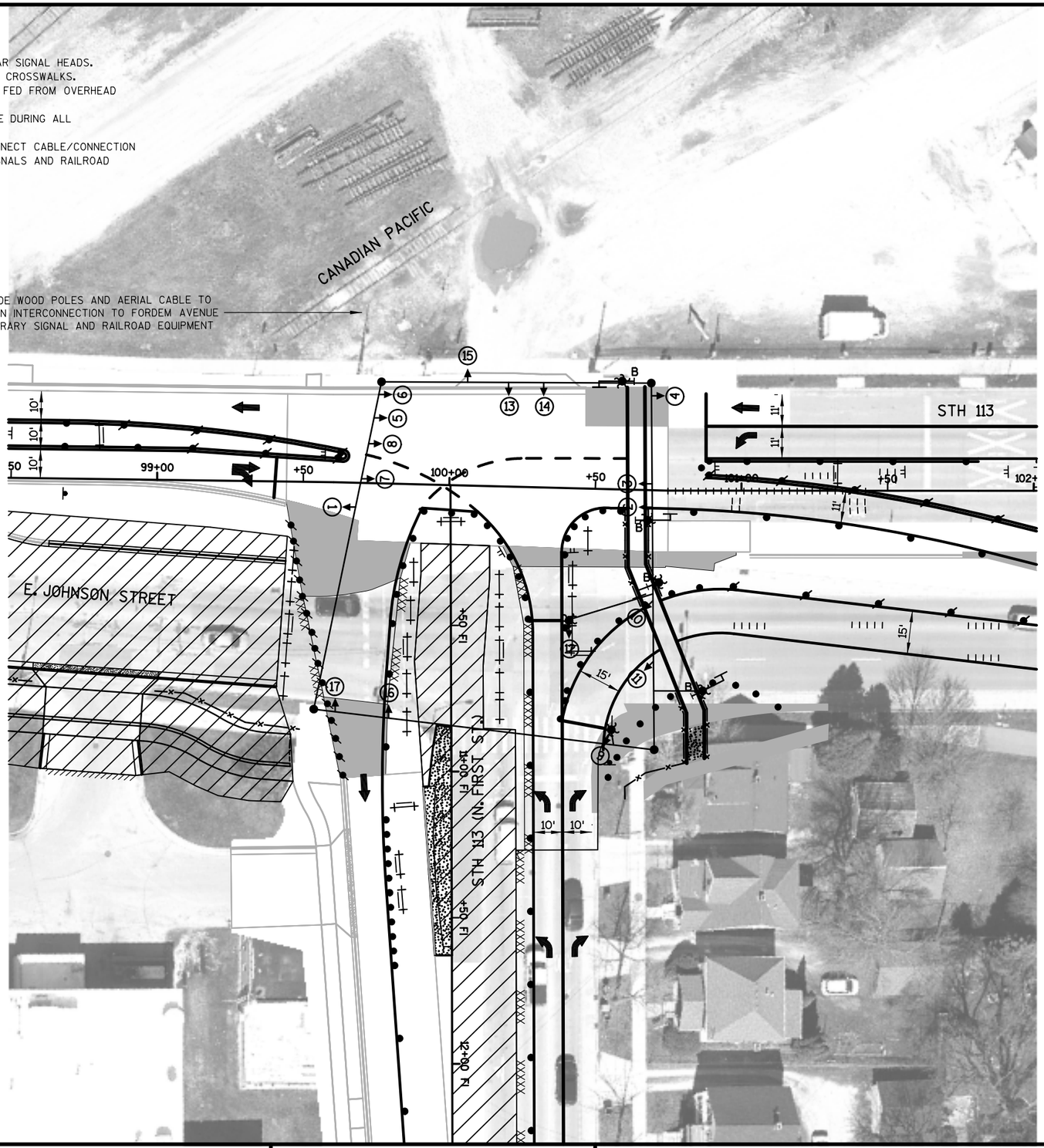
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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	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.
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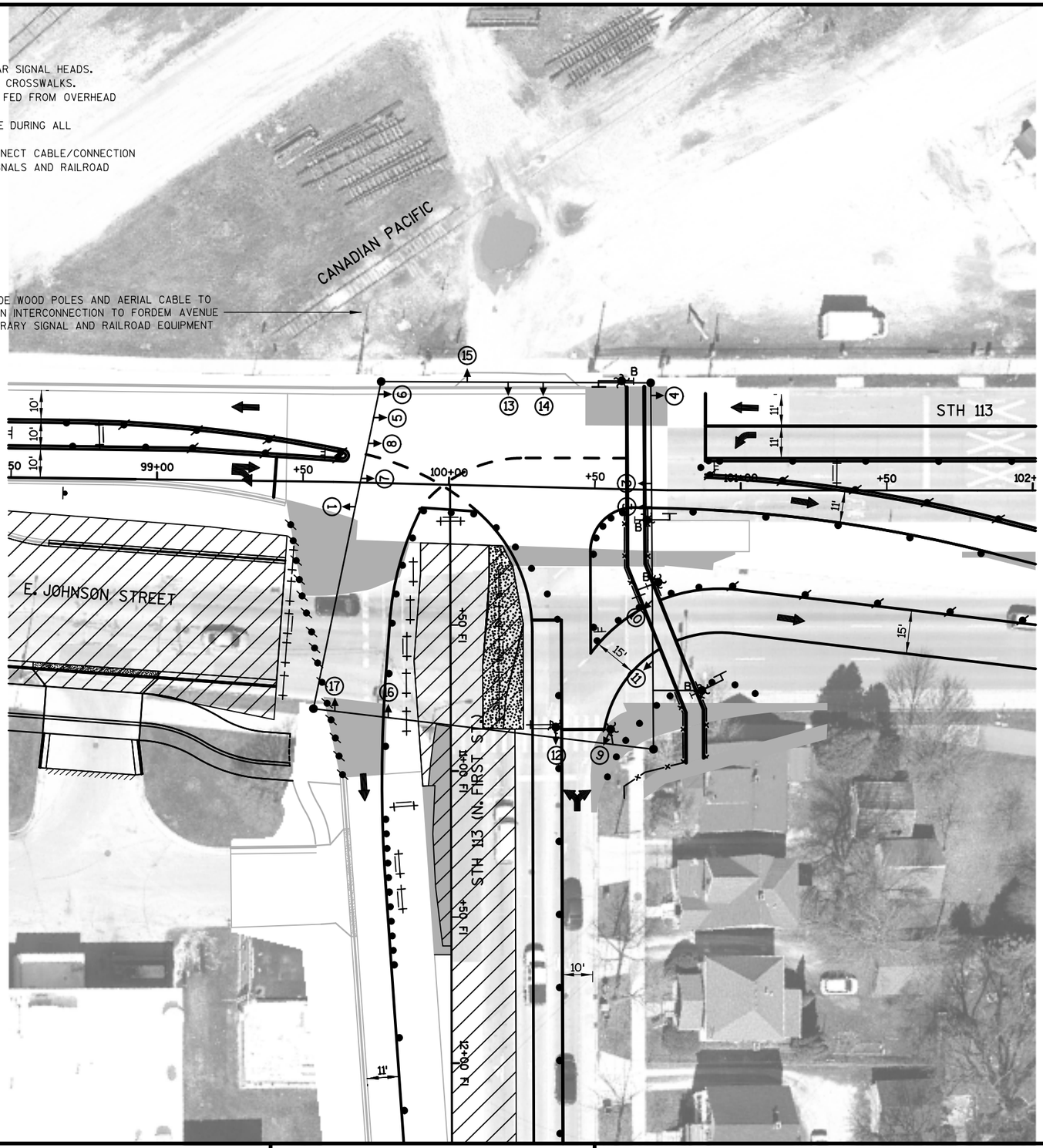
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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 3	SHEET	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.
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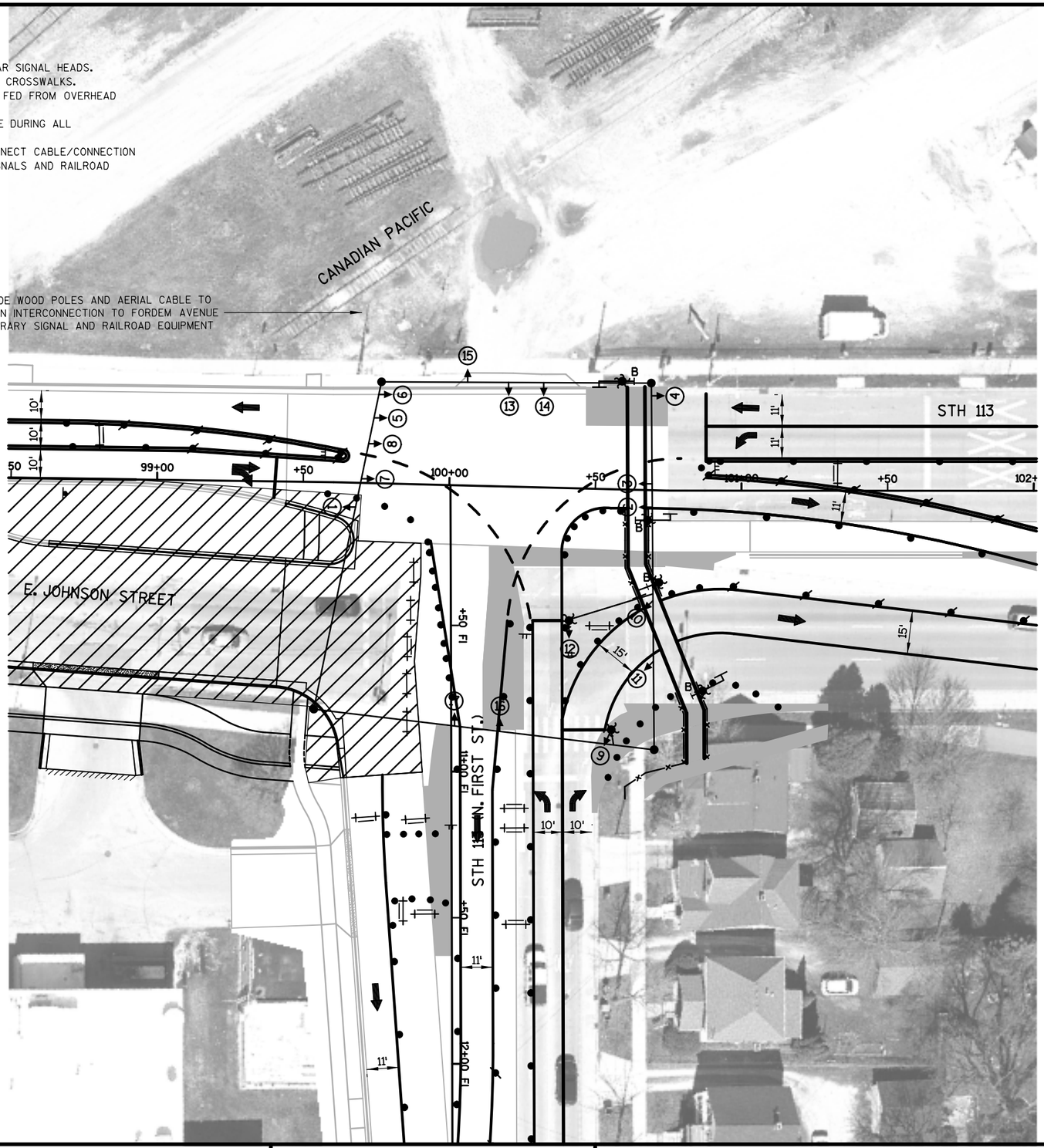
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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.
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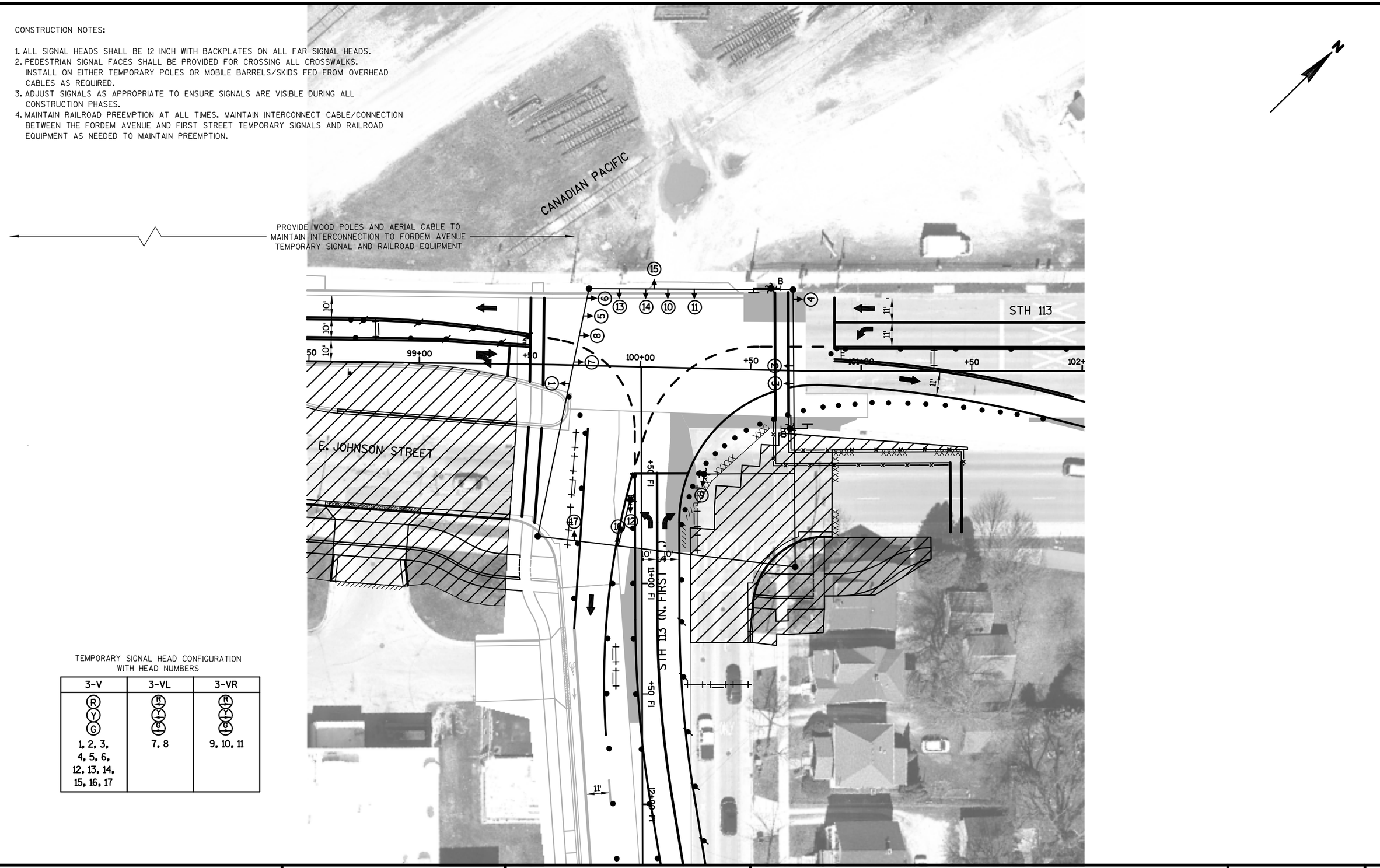
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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.
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TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

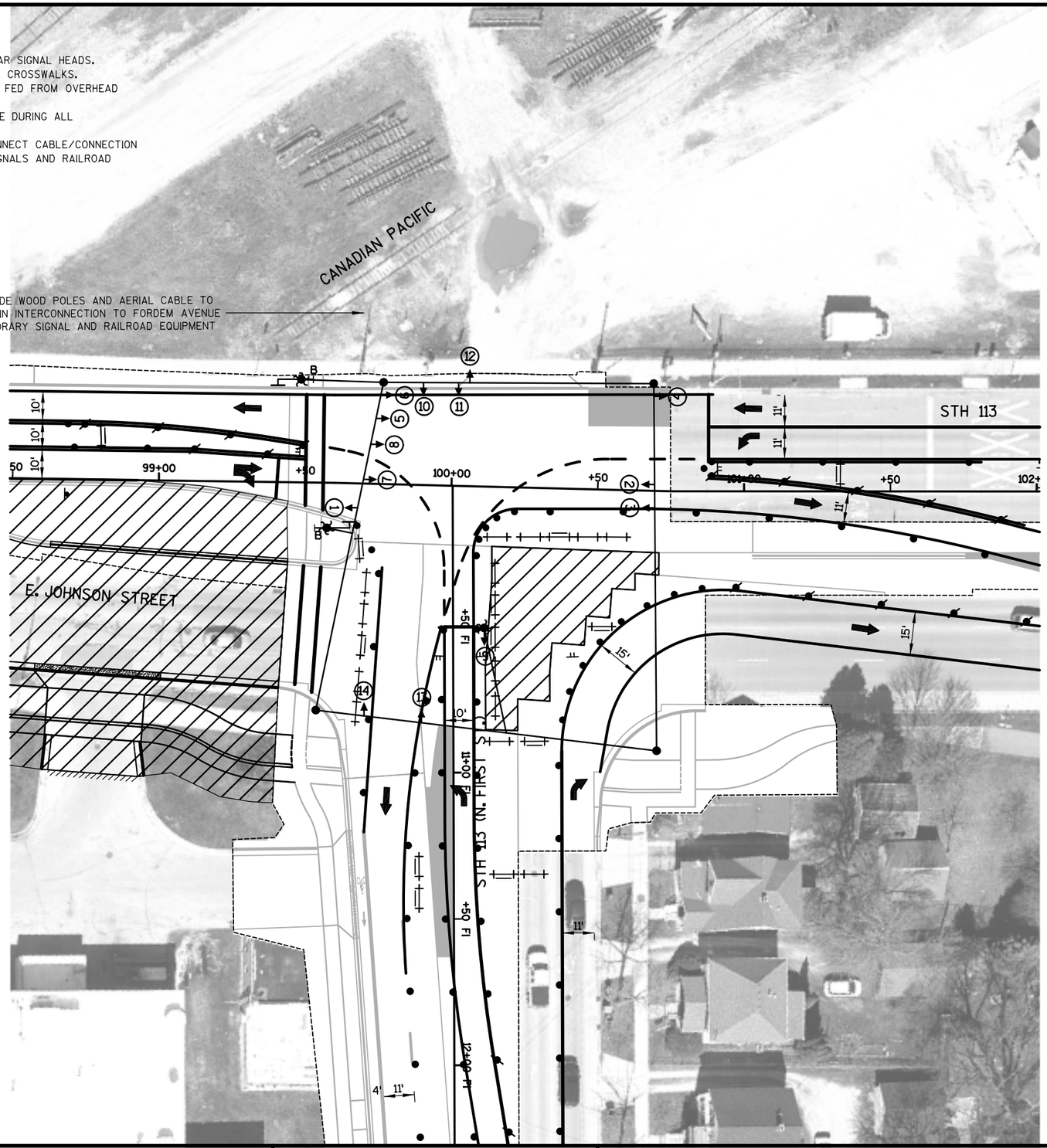
3-V	3-VL	3-VR
(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

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



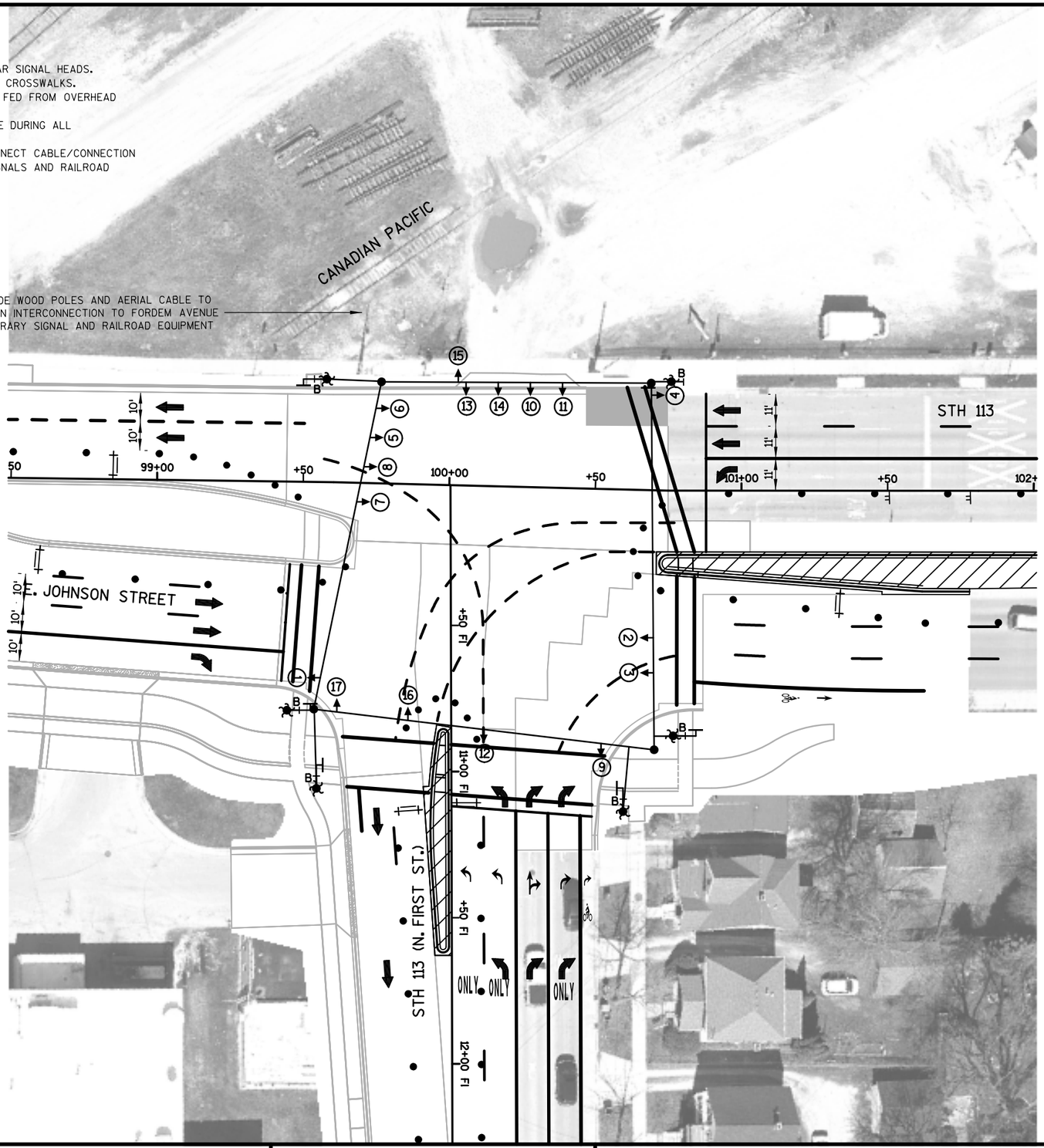
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

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

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.
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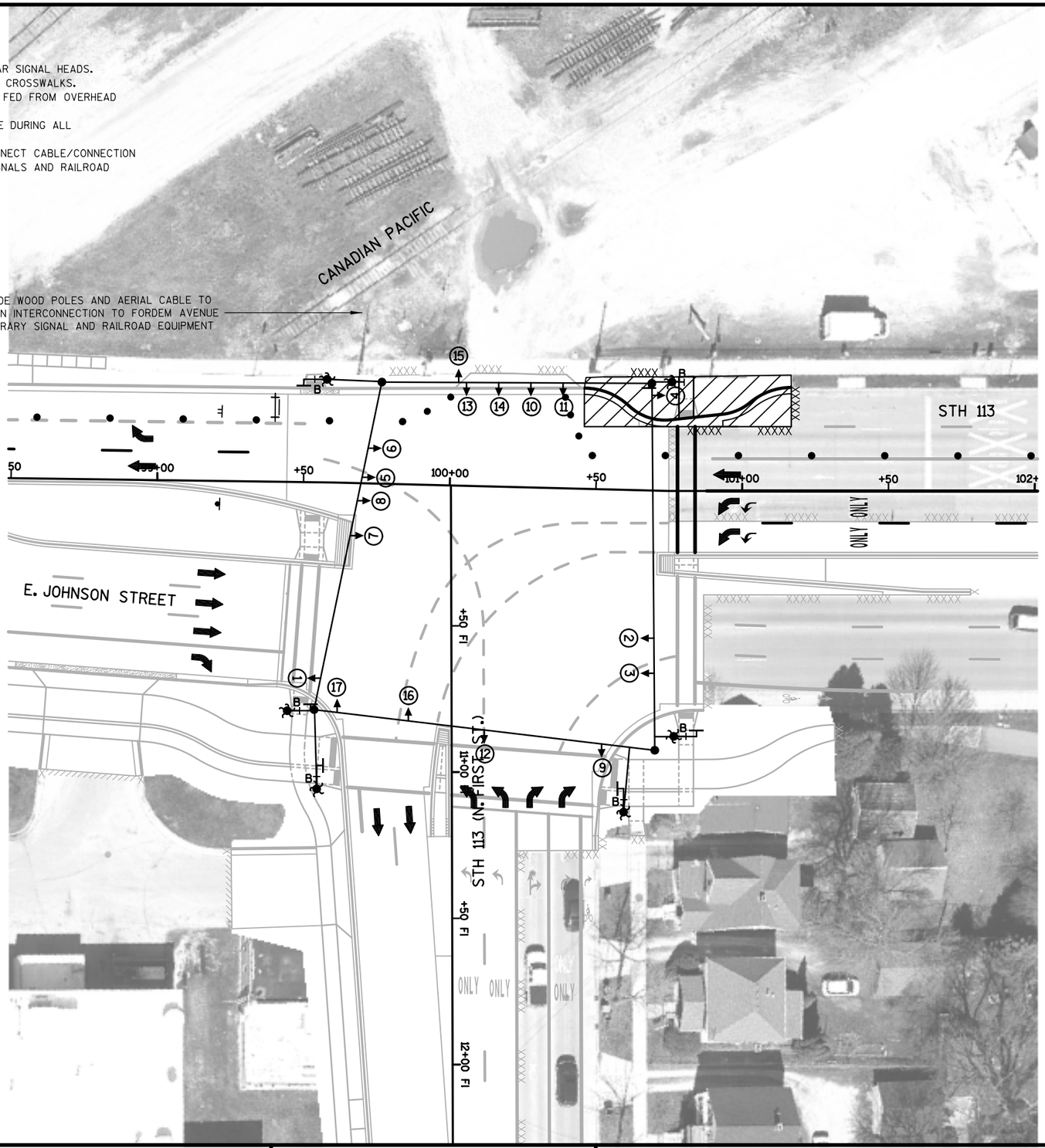
TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	3-VL	3-VR
R Y G	FR Y G	FR 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

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.
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TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

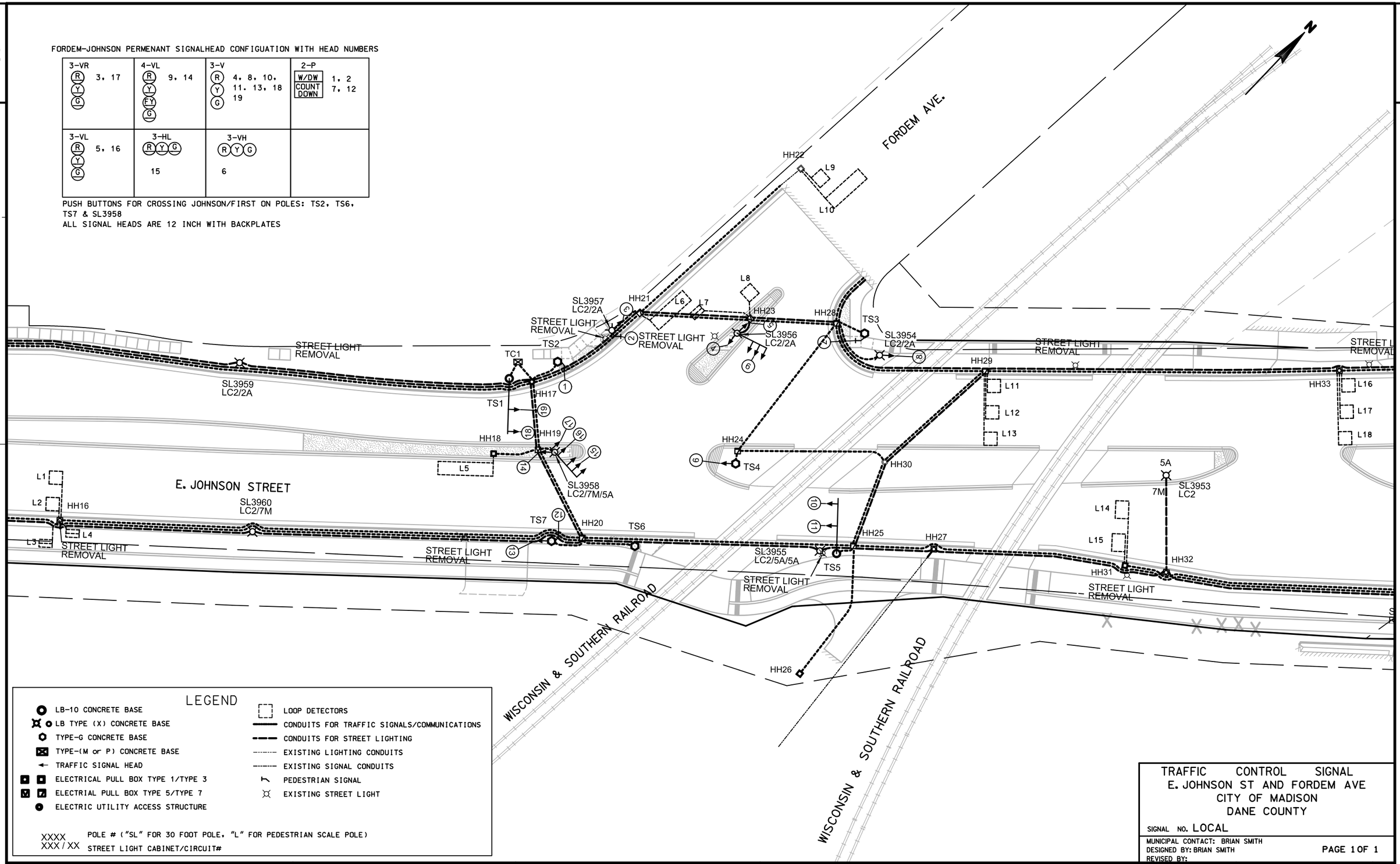
3-V	3-VL	3-VR
R Y G	R Y G (L)	R Y G (L)
1, 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17	7, 8	9, 10, 11

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

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

- LB-10 CONCRETE BASE
- 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 : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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2

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

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STREET LIGHT REMOVAL

STREET LIGHT REMOVAL

STH 113

E. JOHNSON STREET

STH 113 (N. FIRST ST.)

HH31 HH32 HH33 HH34 HH35 HH36 HH37 HH38 HH39 HH41 HH42 HH43 HH44 HH45 HH46 HH47 HH48 HH49

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

L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33

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

SL3939 LC2/1A

SL3936 LC2/1A

SL3937 LC2/1A

SL3940 LC2/1A

SL3942 LC2/1A

SL3943 LC2/6A

SL3950 LC2/6A

SL3952 LC2

SL3953 LC2

5A 7M 4M 2A LC2 TC2

LEGEND

- LB-10 CONCRETE BASE
- 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#

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:

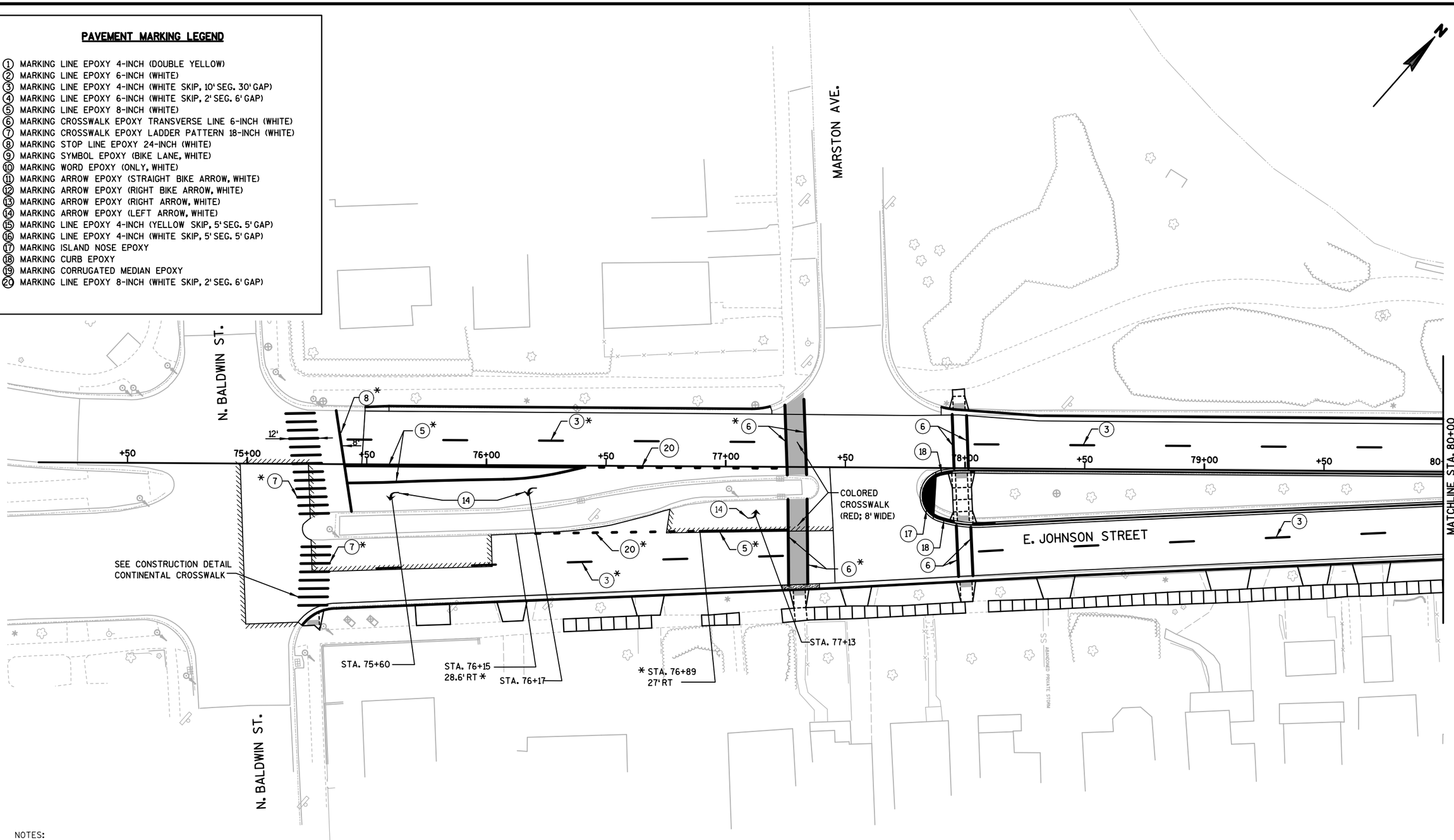
PAGE 1 OF 1

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

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\024065_sp_First.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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)
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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.

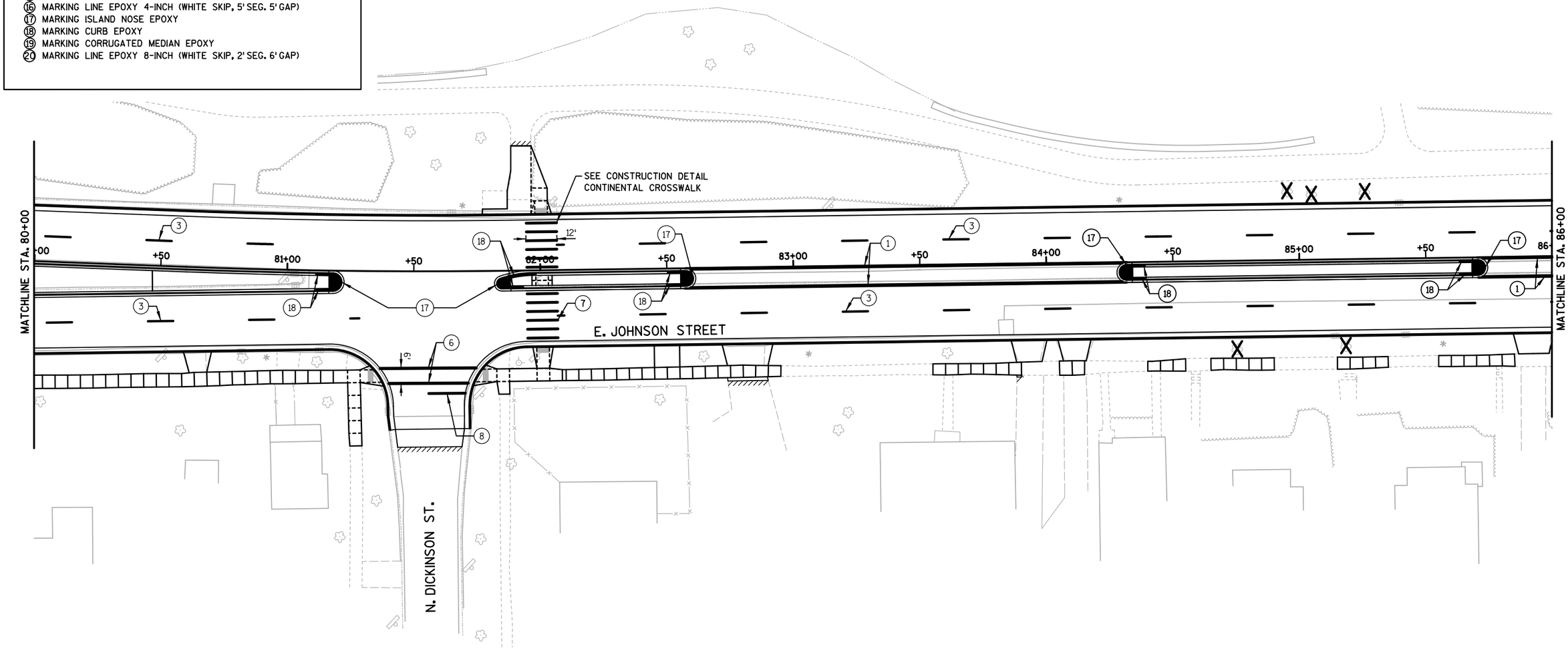
* MATCH EXISTING PAVEMENT MARKING LOCATION

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

PAVEMENT MARKING LEGEND

(1) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
(2) MARKING LINE EPOXY 6-INCH (WHITE)
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(19) MARKING CORRUGATED MEDIAN EPOXY
(20) MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)

TENNEY PARK LAGOON

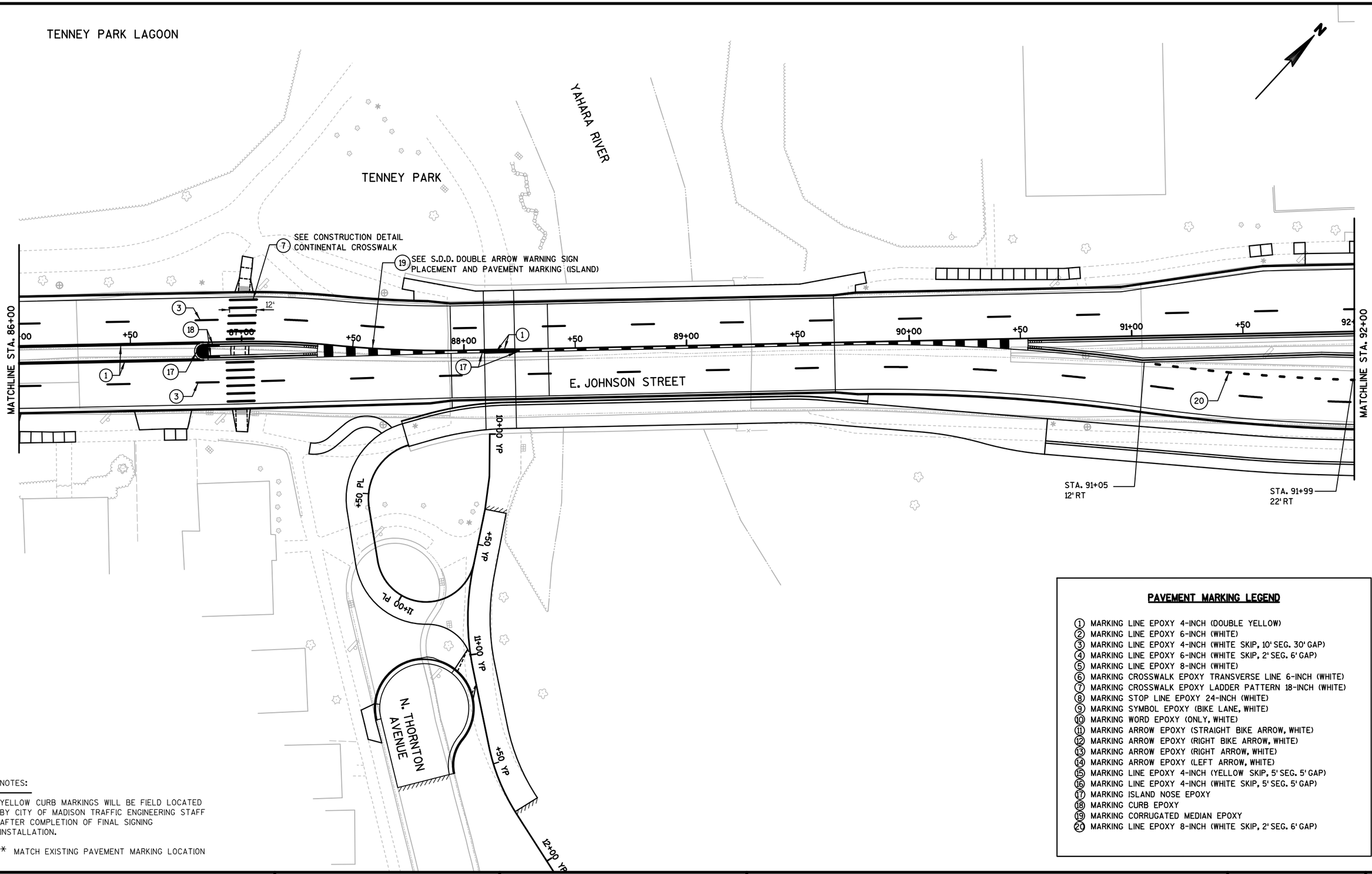


NOTES:

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	E



NOTES:

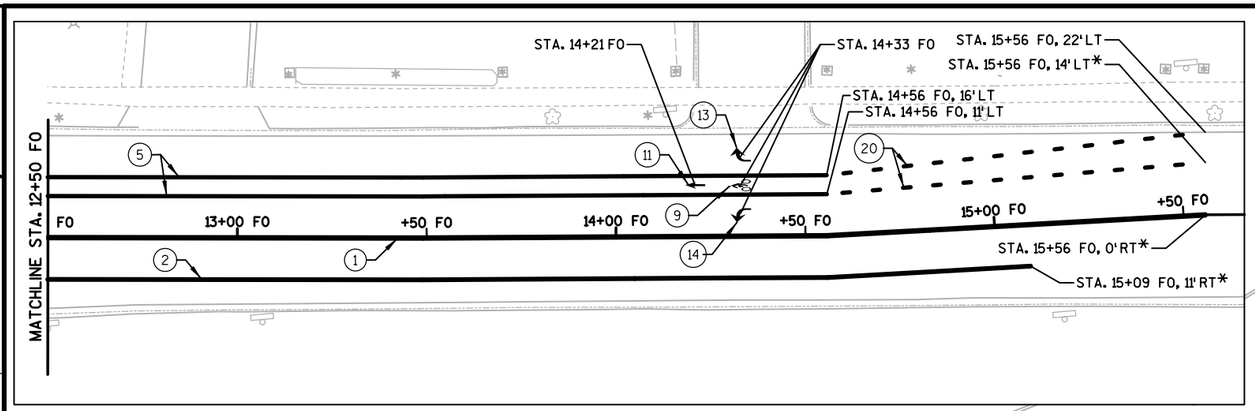
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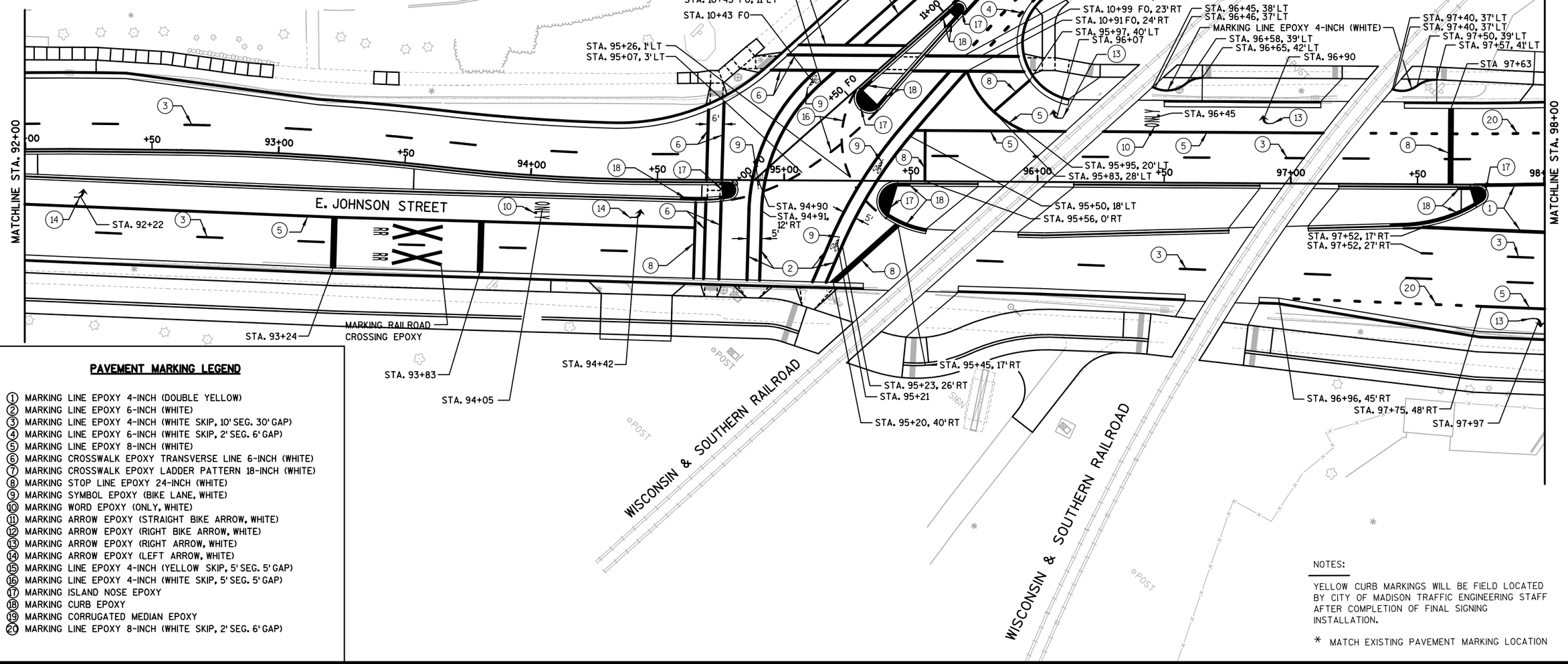
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET	E





PAVEMENT MARKING LEGEND

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NOTES:

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* MATCH EXISTING PAVEMENT MARKING LOCATION

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

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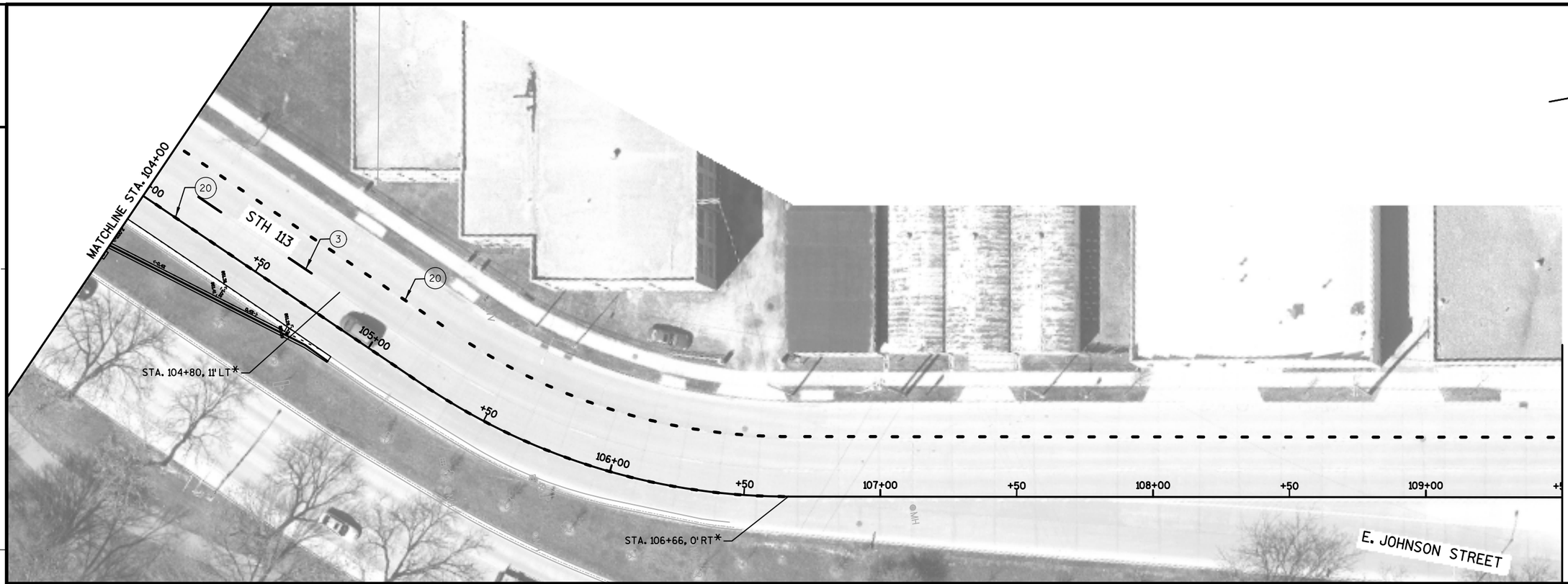
* MATCH EXISTING PAVEMENT MARKING LOCATION

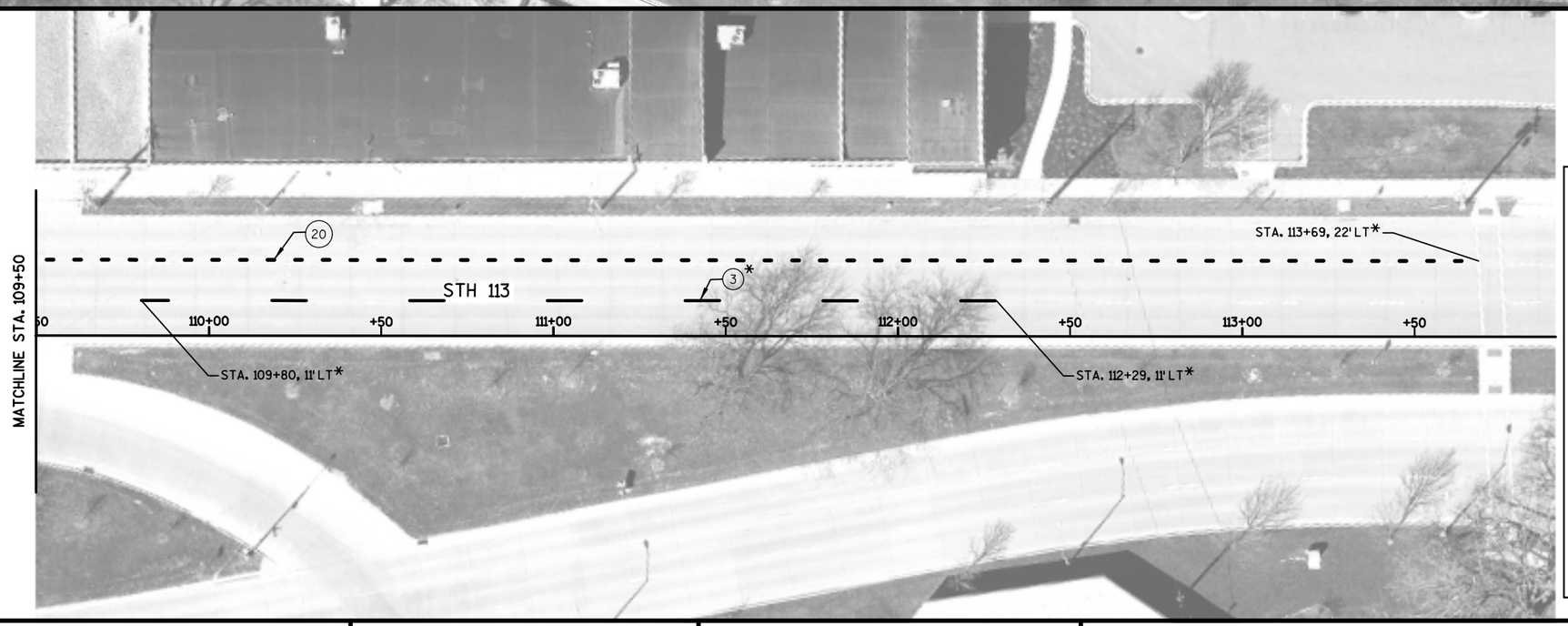
PAVEMENT MARKING LEGEND

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

2





NOTES:

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

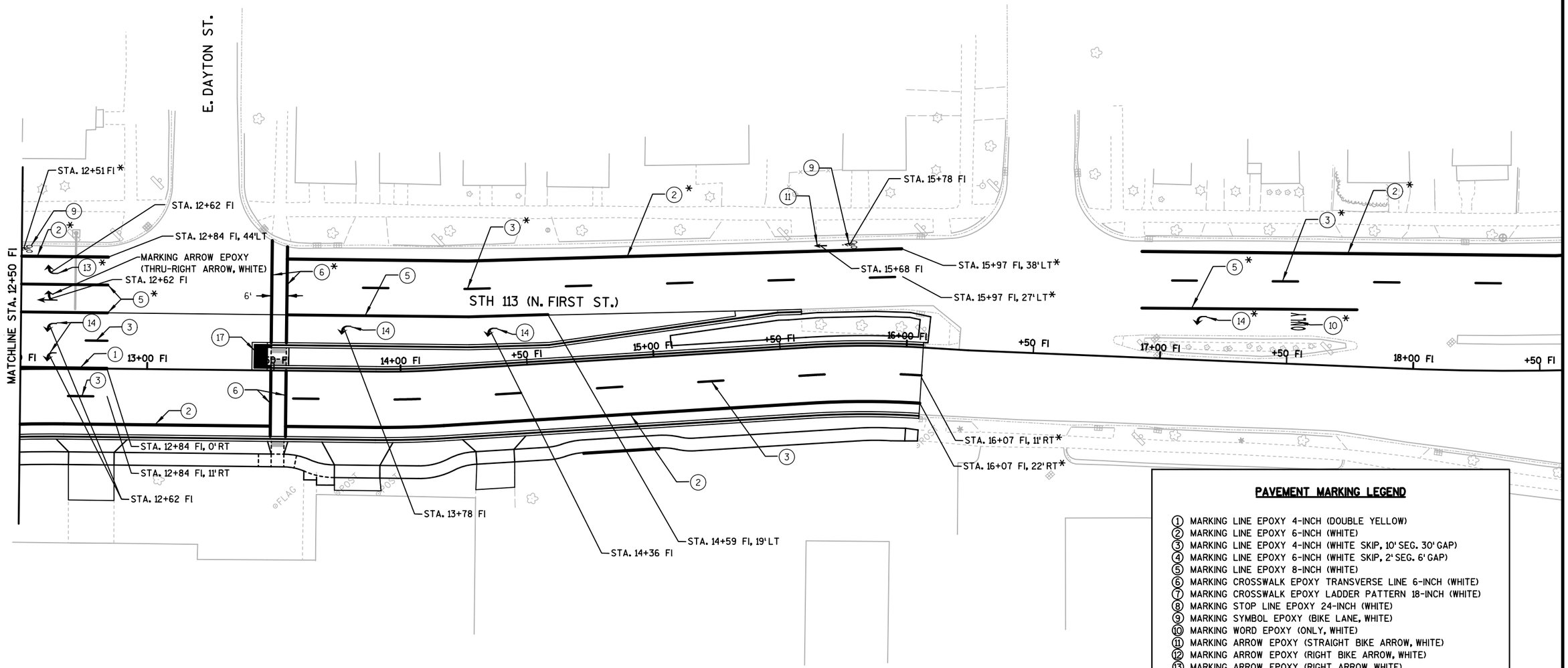
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

2



NOTES:

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

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PAVEMENT MARKING LEGEND

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

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
- (RT-A) TEMPORARY MARKING ARROW REMOVABLE TAPE

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.

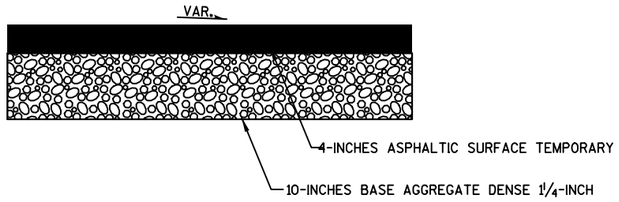
FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"

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.

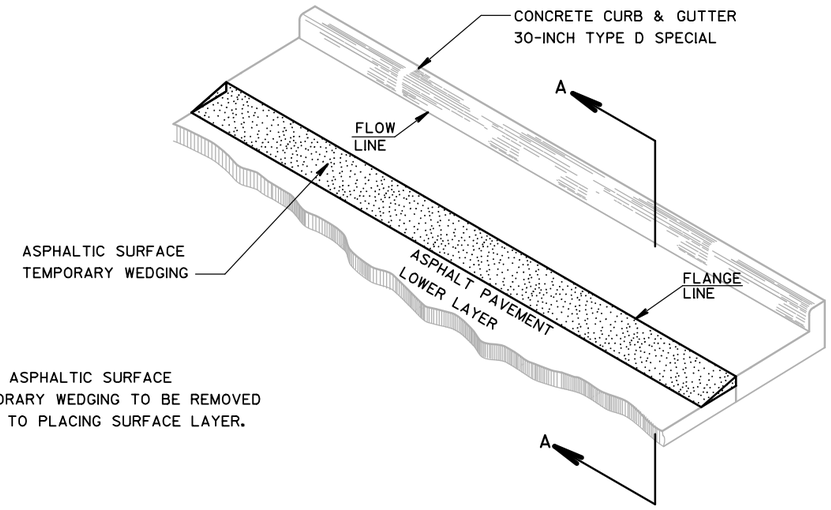
2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TRAFFIC CONTROL LEGEND AND NOTES	SHEET	E

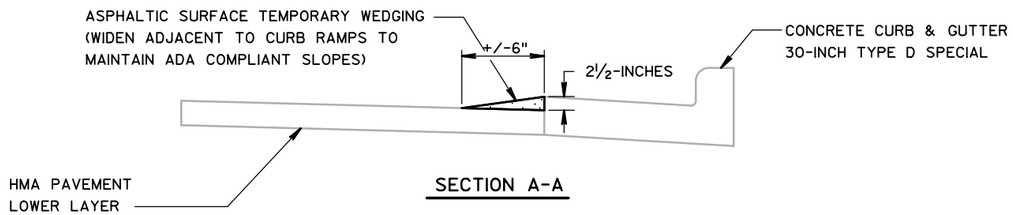
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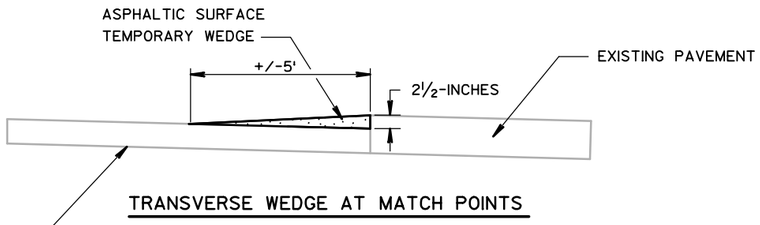
TEMPORARY ASPHALTIC PAVEMENT STRUCTURE



NOTE: ASPHALTIC SURFACE TEMPORARY WEDGING TO BE REMOVED PRIOR TO PLACING SURFACE LAYER.

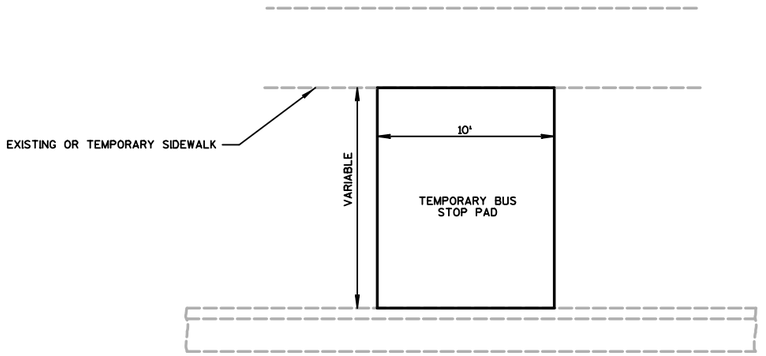


SECTION A-A

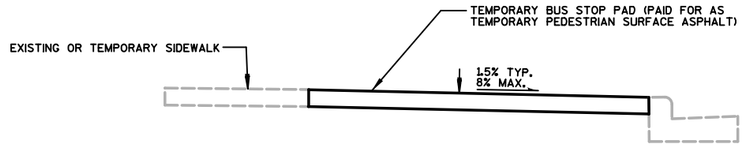


TRANSVERSE WEDGE AT MATCH POINTS

ASPHALTIC SURFACE TEMPORARY WEDGING DETAIL

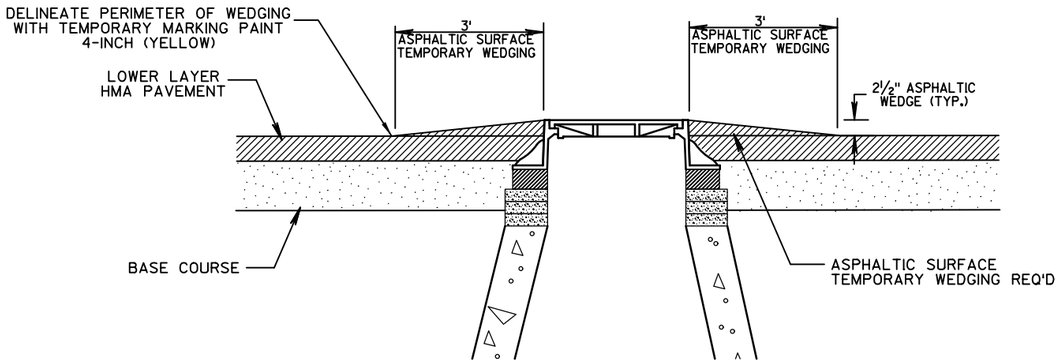


PLAN



PROFILE

TEMPORARY BUS BOARDING PAD DETAIL



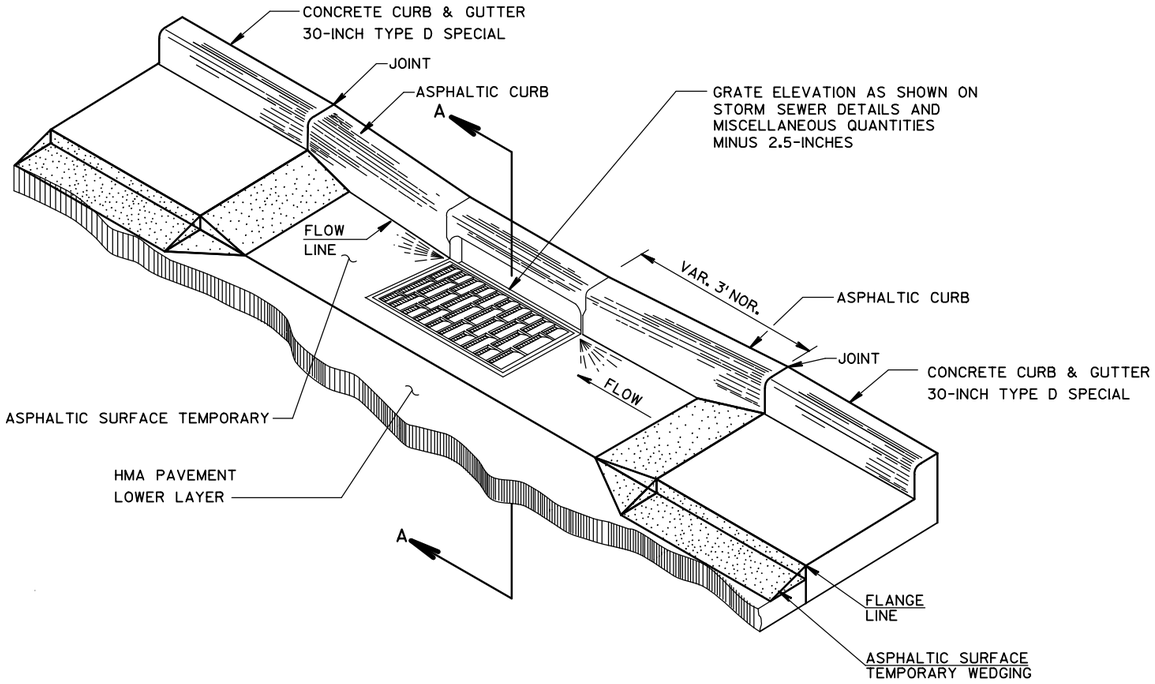
NOTES:

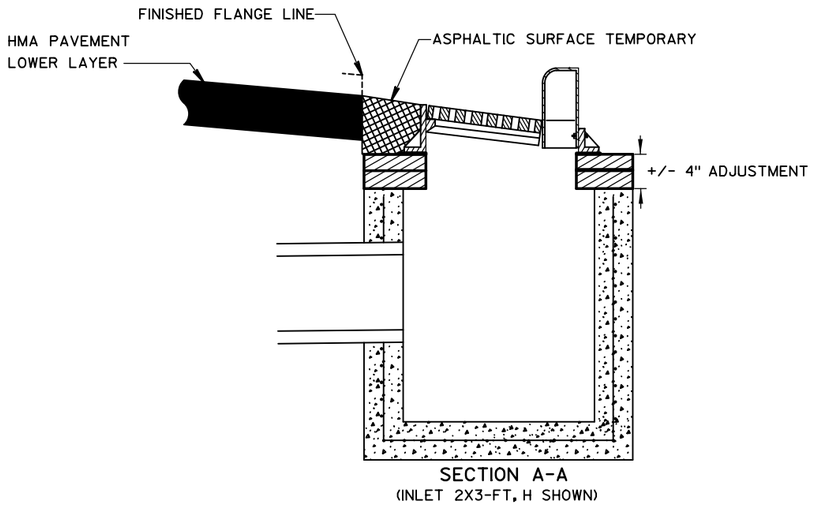
PLACE TEMPORARY ASPHALTIC SURFACE WEDGING PRIOR TO OPENING LANE TO TRAFFIC

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

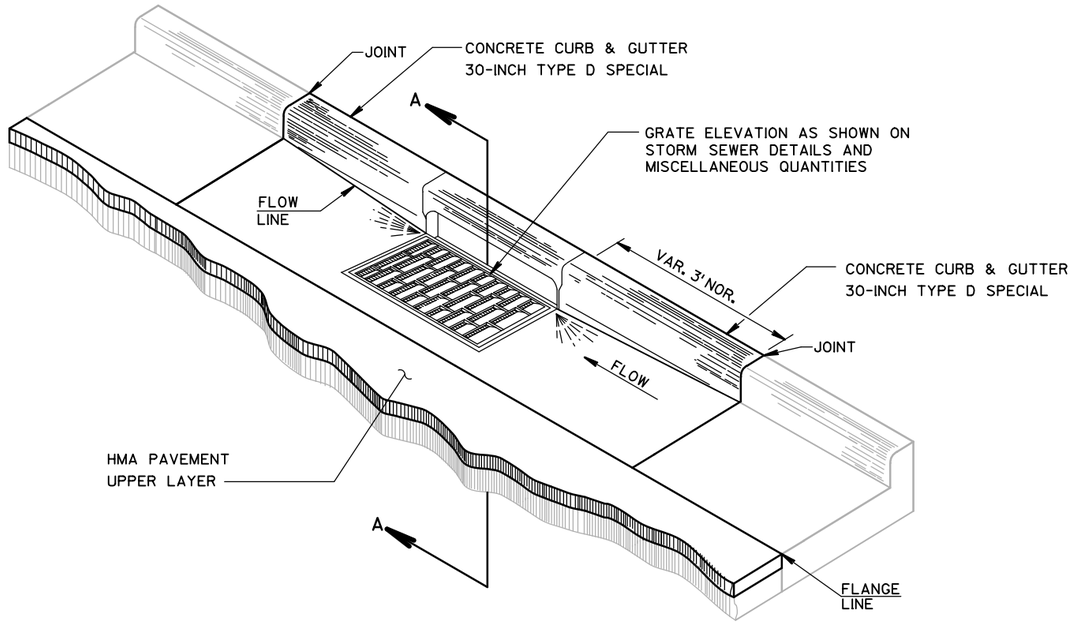
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING DETAILS	SHEET	E

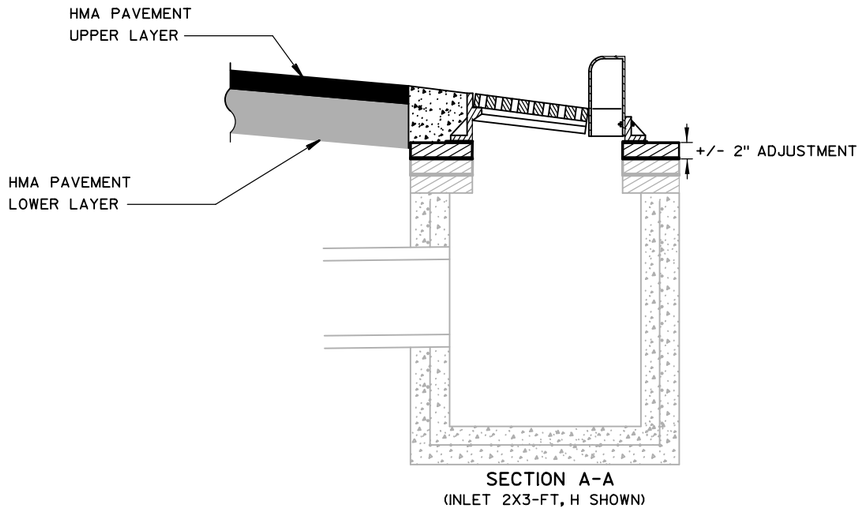




SECTION A-A
(INLET 2X3-FT, H SHOWN)

LOW POINT INLET STAGED



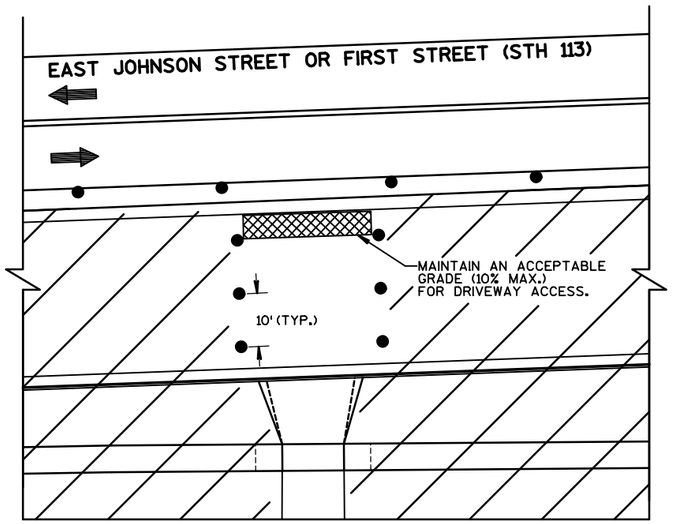


SECTION A-A
(INLET 2X3-FT, H SHOWN)

LOW POINT INLET FINAL

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

2



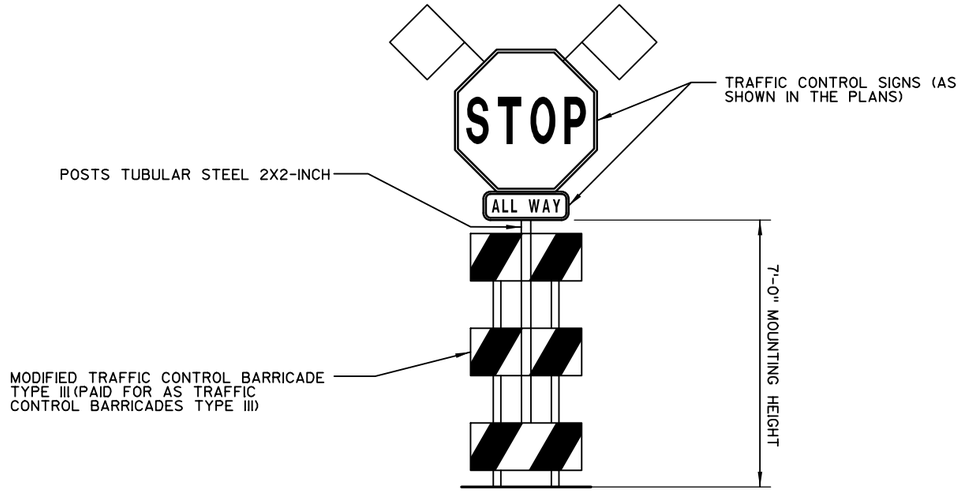
MAINTAIN ACCESS PER THE SPECIAL PROVISONS

LEGEND

- WORK ZONE
- TRAFFIC FLOW ARROW
- DRUM WITHOUT LIGHT
- BASE AGGREGATE DENSE 1¼-INCH (WEDGING)

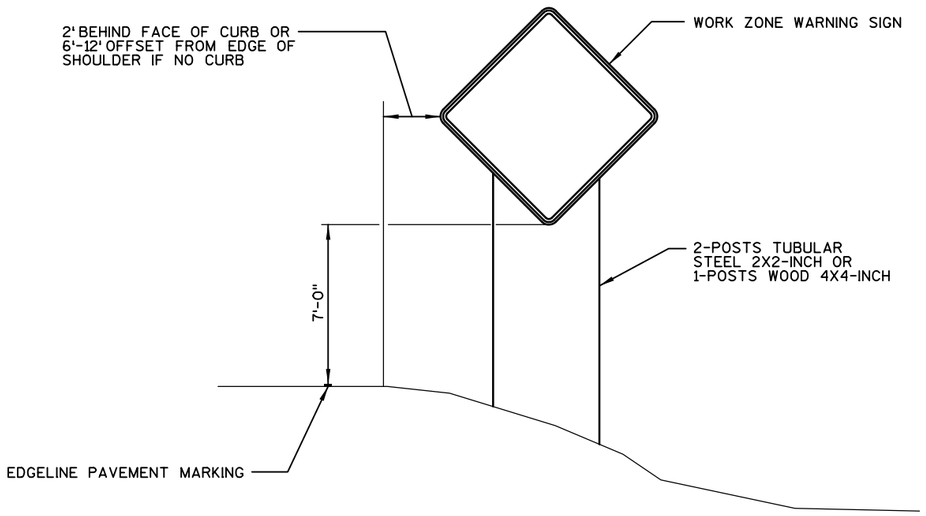
TEMPORARY ACCESS TO DRIVEWAY DETAIL - ALL CONSTRUCTION STAGES *

* DETAIL MIRRORED AS NEEDED TO MATCH APPLICABLE CONSTRUCTION STAGE.



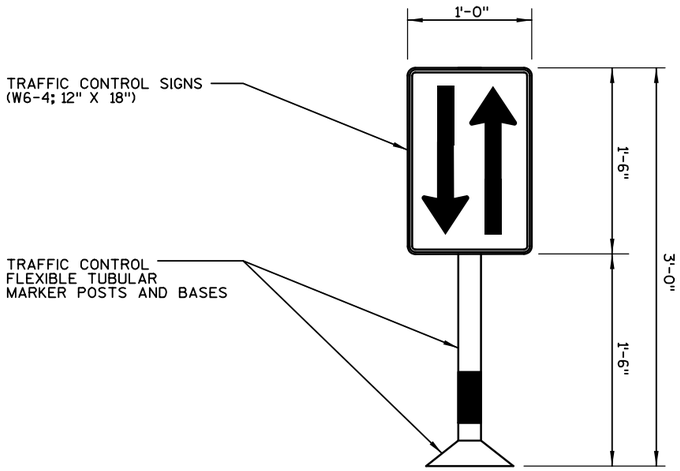
MODIFIED TRAFFIC CONTROL BARRICADES TYPE III WITH TRAFFIC CONTROL SIGNS

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS



TYPICAL TEMPORARY TRAFFIC CONTROL SIGN MOUNTING ON FIXED SUPPORT

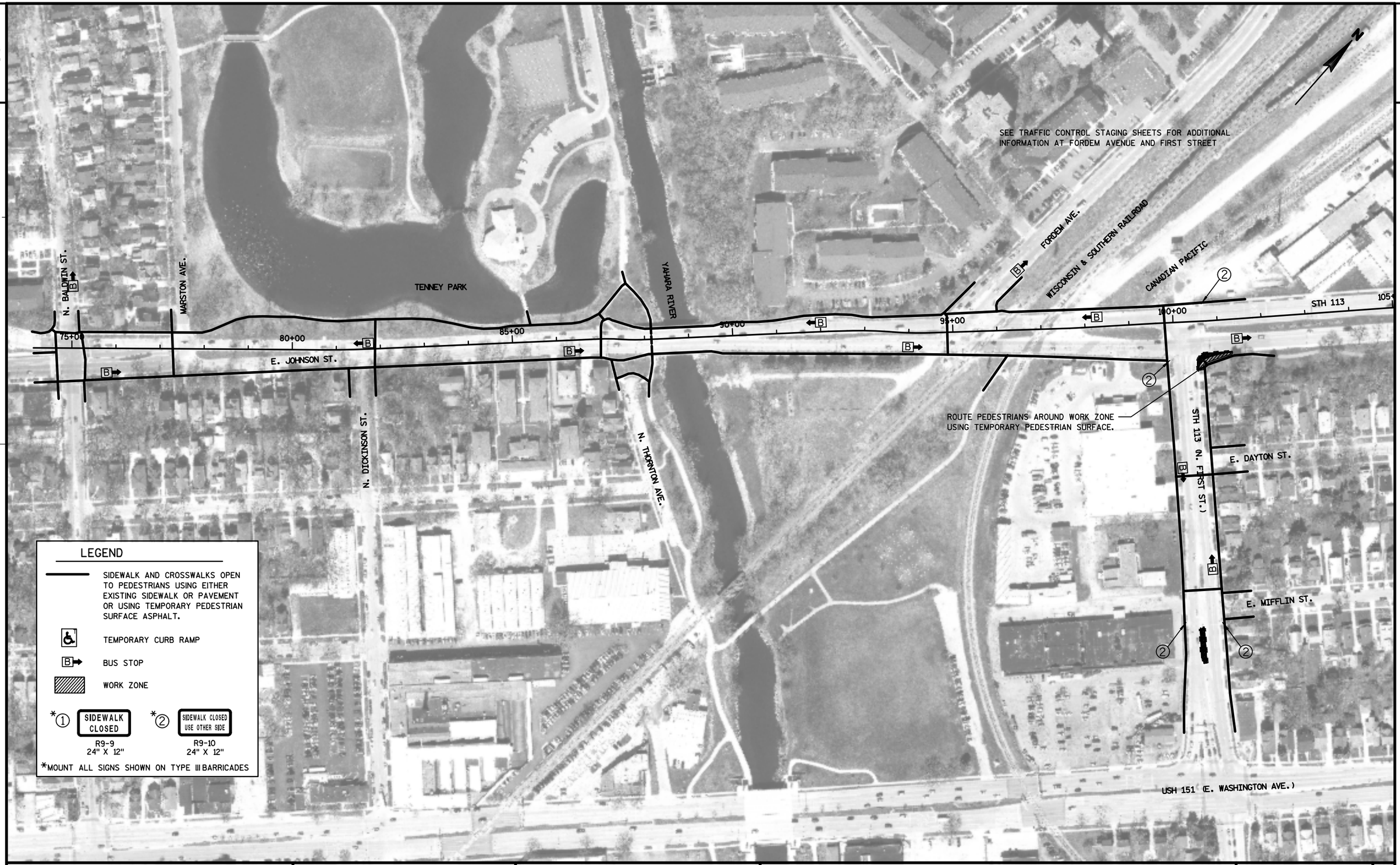
LONG TERM - 7 DAYS OR MORE



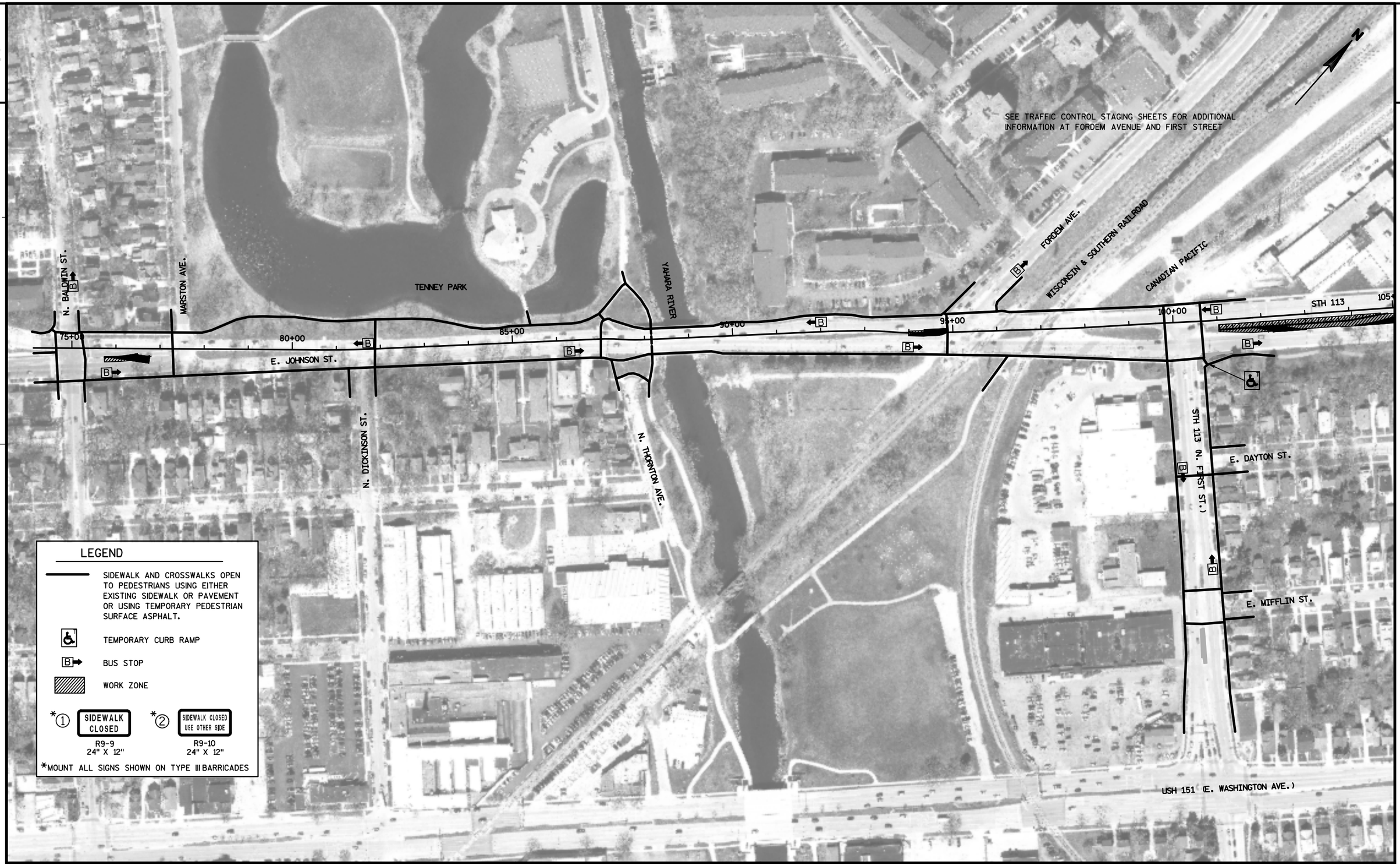
BI-DIRECTIONAL TRAFFIC PADDLE

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS

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

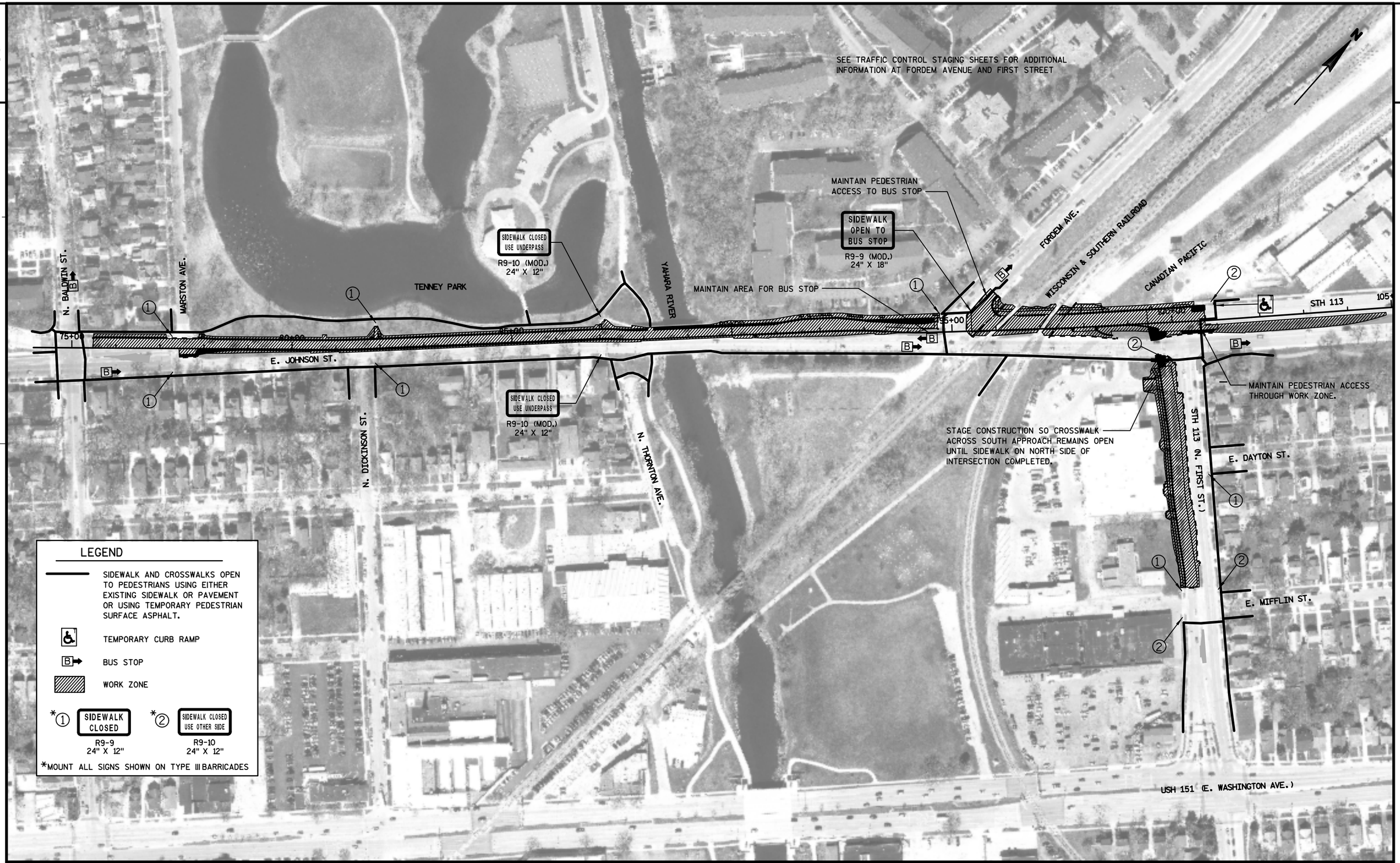


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 1A PEDESTRIAN ROUTING OVERVIEW	SHEET E



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 1B PEDESTRIAN ROUTING OVERVIEW	SHEET	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

2

SEE TRAFFIC CONTROL STAGING SHEETS FOR ADDITIONAL INFORMATION AT FORDEM AVENUE AND FIRST STREET

N. BALDWIN ST.

MARSTON AVE.

TENNEY PARK

SIDEWALK CLOSED USE UNDERPASS
R9-10 (MOD.)
24" X 12"

YAHARA RIVER

MAINTAIN PEDESTRIAN ACCESS THROUGH WORK ZONE.

MAINTAIN AREA FOR BUS STOP

FORDEM AVE.

WISCONSIN & SOUTHERN RAILROAD

CANADIAN PACIFIC

STH 113

75+00

80+00

85+00

90+00

95+00

105+

E. JOHNSON ST.

N. DICKINSON ST.

SIDEWALK CLOSED USE UNDERPASS
R9-10 (MOD.)
24" X 12"

N. THORNTON AVE.

MAINTAIN PEDESTRIAN ACCESS THROUGH WORK ZONE.

STAGE CONSTRUCTION SO CROSSWALK ACROSS SOUTH APPROACH REMAINS OPEN UNTIL SIDEWALK ON NORTH SIDE OF INTERSECTION COMPLETED.

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 2A PEDESTRIAN ROUTING OVERVIEW	SHEET	E

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

FORDEM AVE.

WISCONSIN & SOUTHERN RAILROAD

CANADIAN PACIFIC

N. BALDWIN ST.

MARSTON AVE.

E. JOHNSON ST.

N. DICKINSON ST.

N. THORNTON AVE.

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

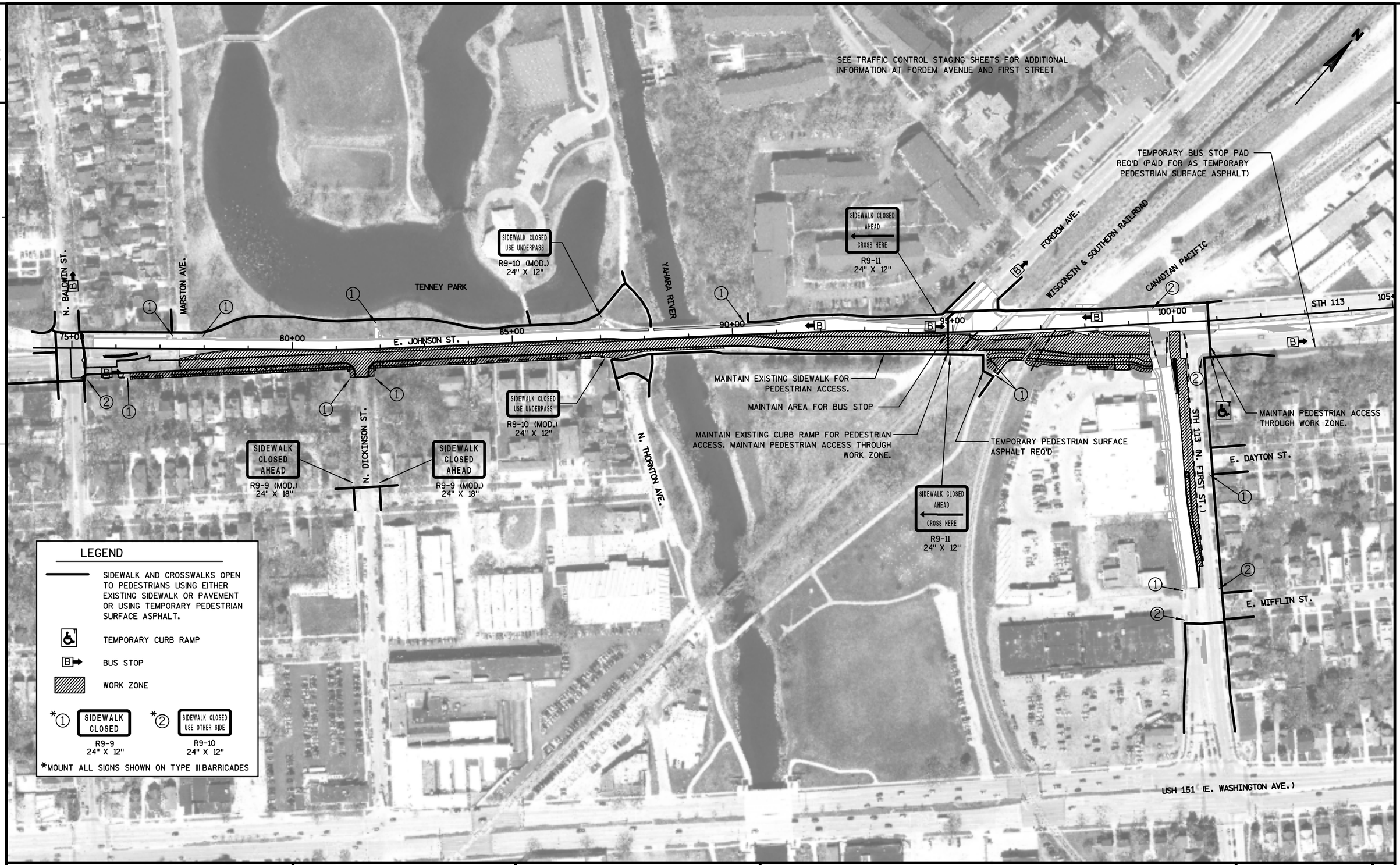
*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*MOUNT ALL SIGNS SHOWN ON TYPE III BARRICADES

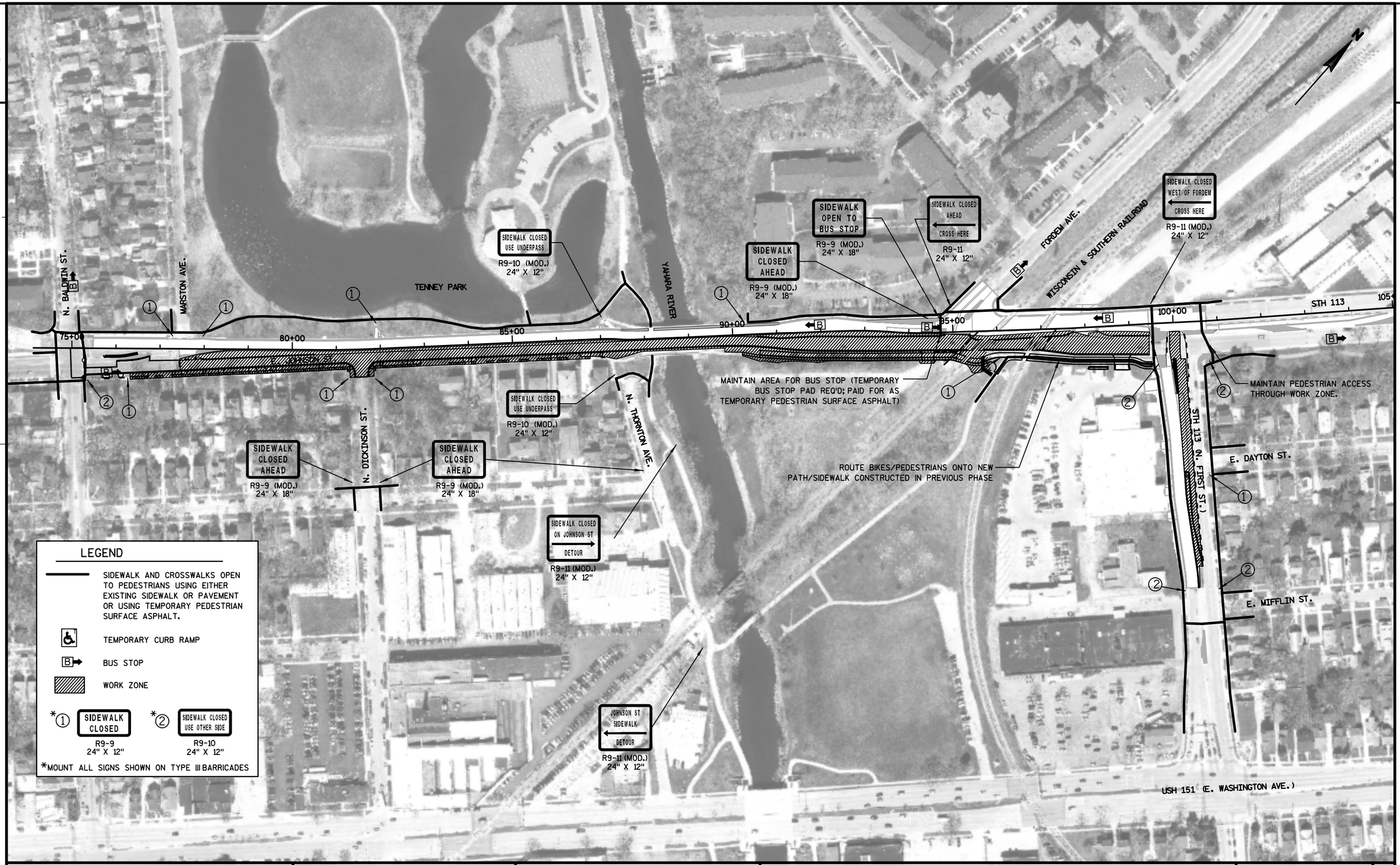
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 2B PEDESTRIAN ROUTING OVERVIEW	SHEET	E

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 : $$.....plotscale.....$$



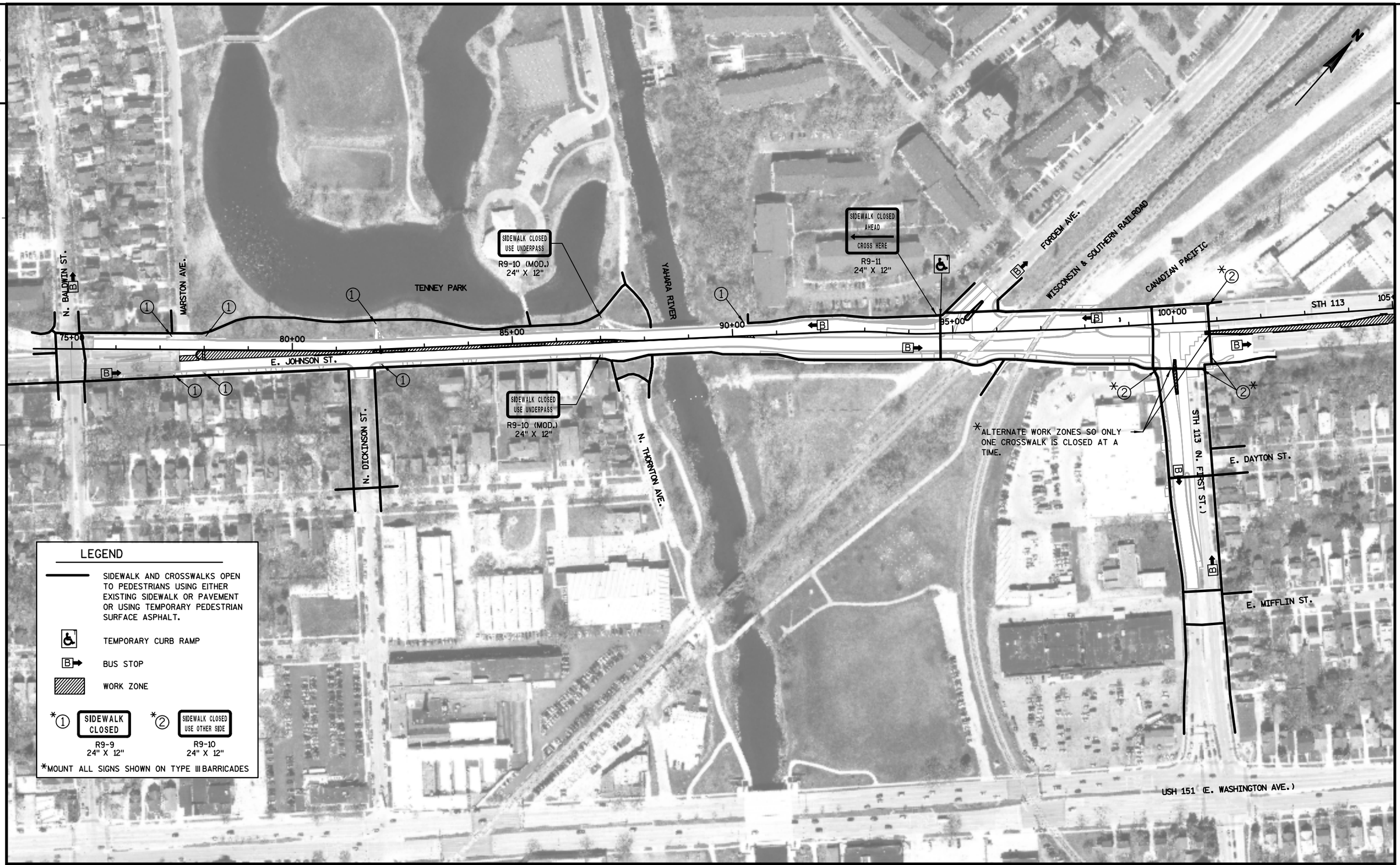
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 3 PEDESTRIAN ROUTING OVERVIEW (PHASE 1)	SHEET	E

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 : $$.....plotscale.....$$



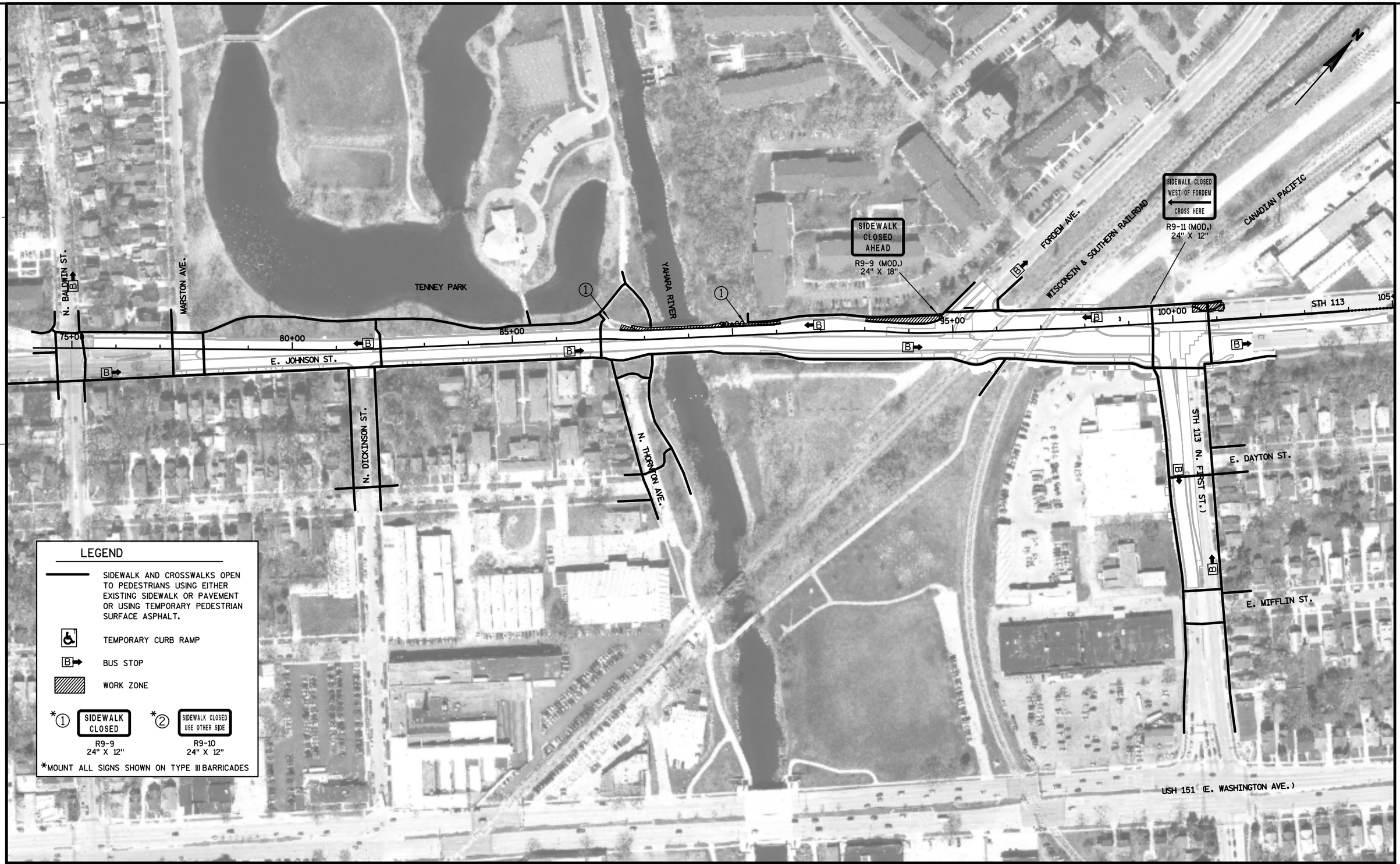
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FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\025001_s3_Phase 2_Pedestrian Routing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 4 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

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"

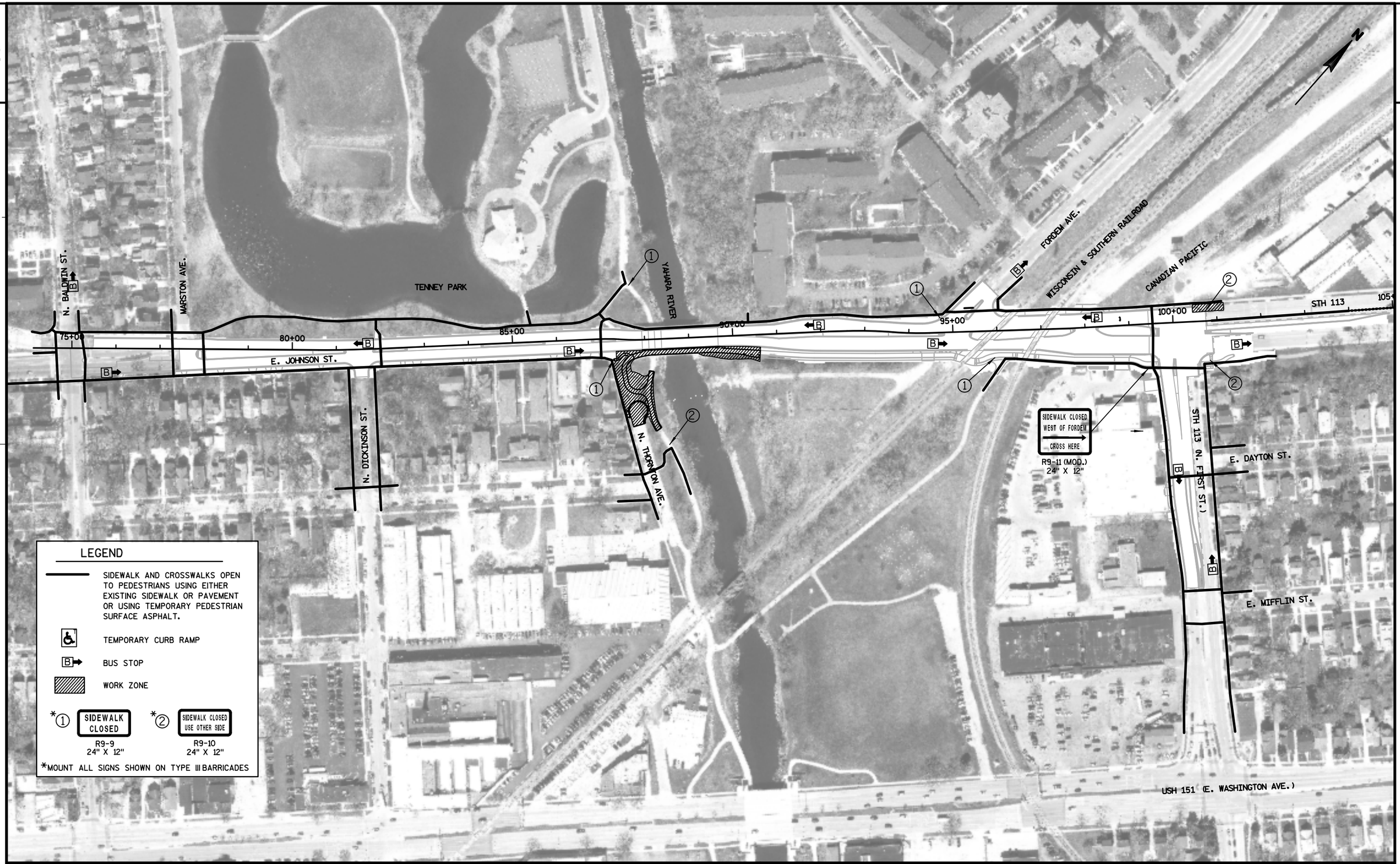
*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*MOUNT ALL SIGNS SHOWN ON TYPE III BARRICADES

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 4A PEDESTRIAN ROUTING OVERVIEW	SHEET	E

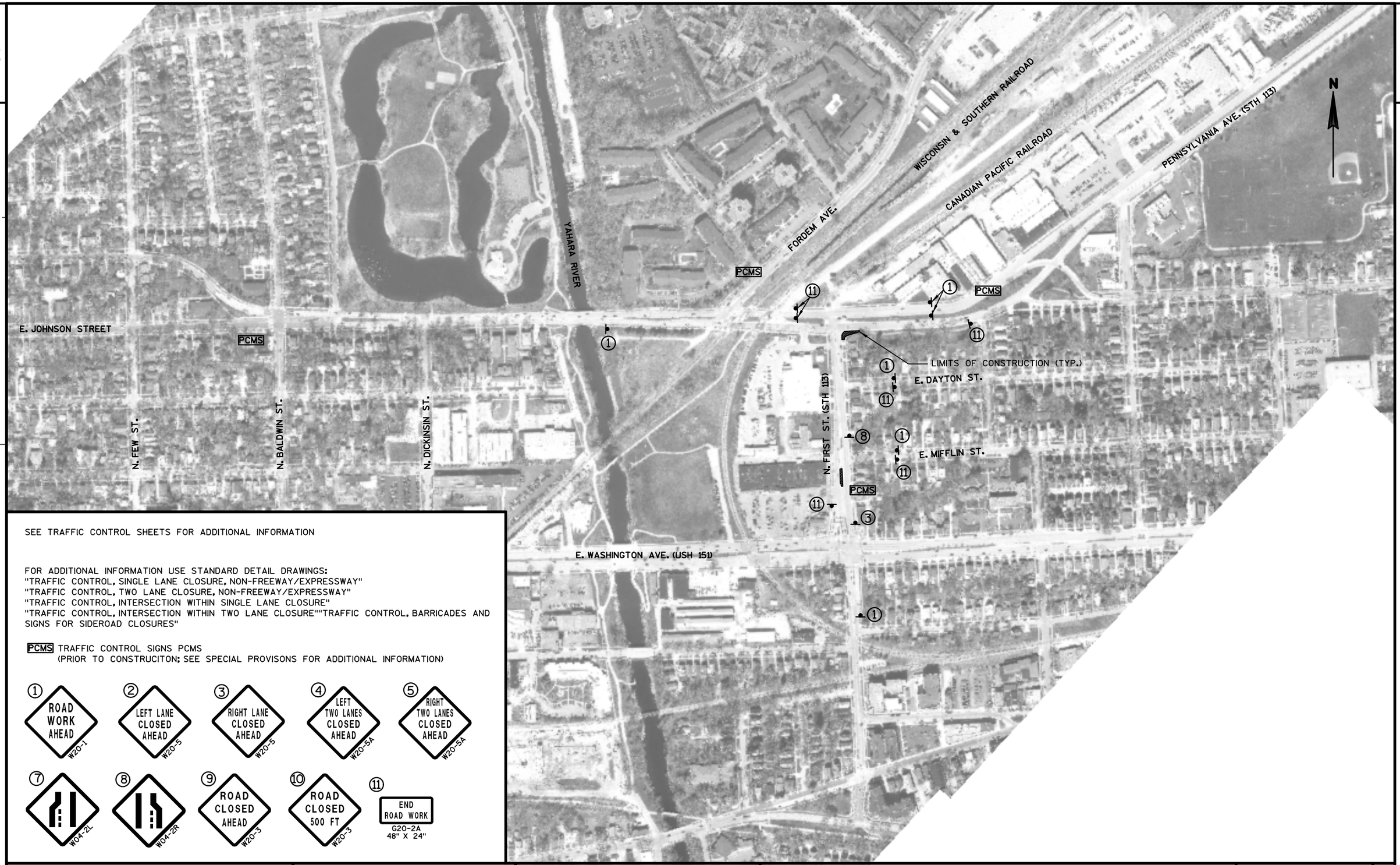
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2



2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 4B PEDESTRIAN ROUTING OVERVIEW	SHEET	E

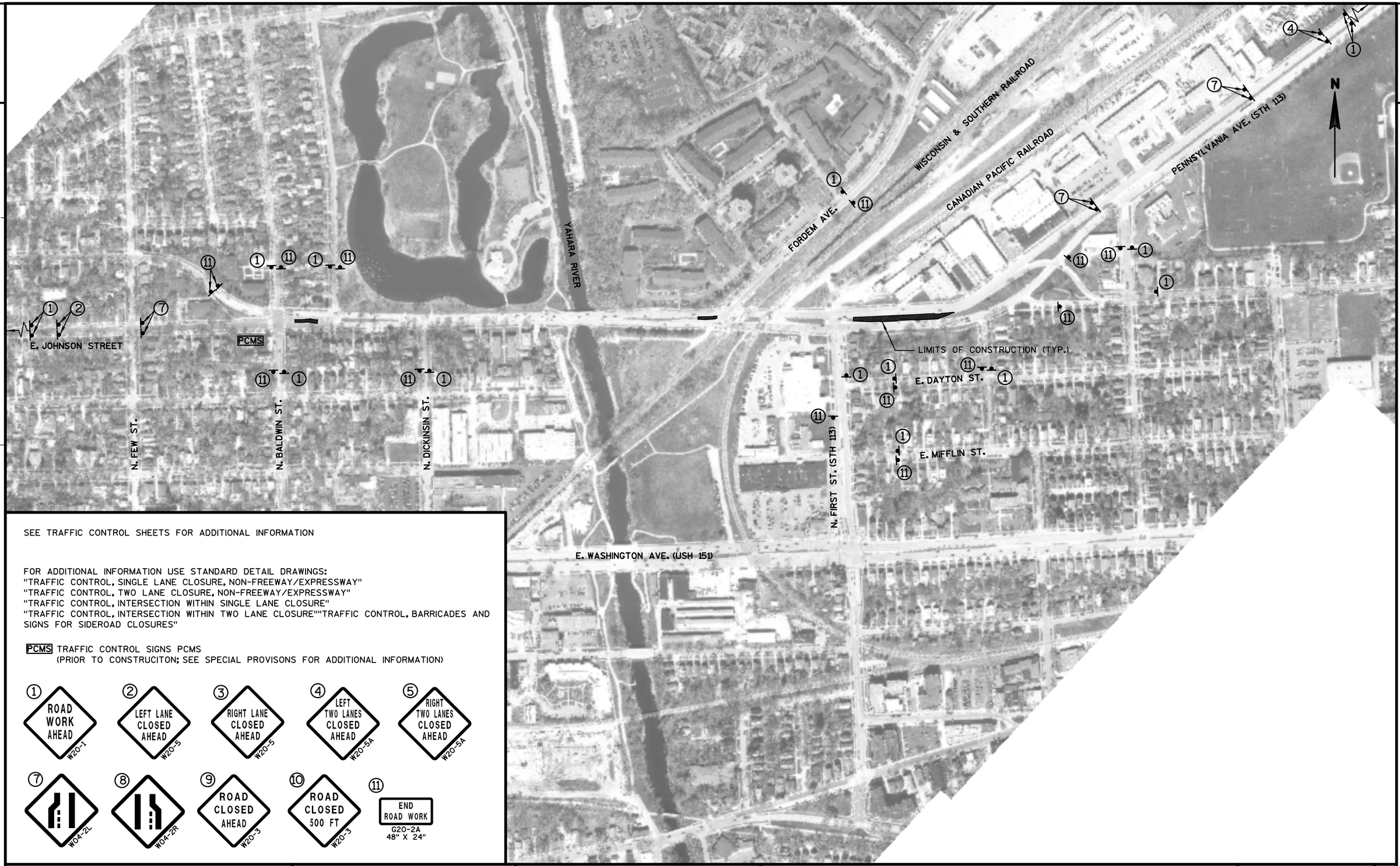


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

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

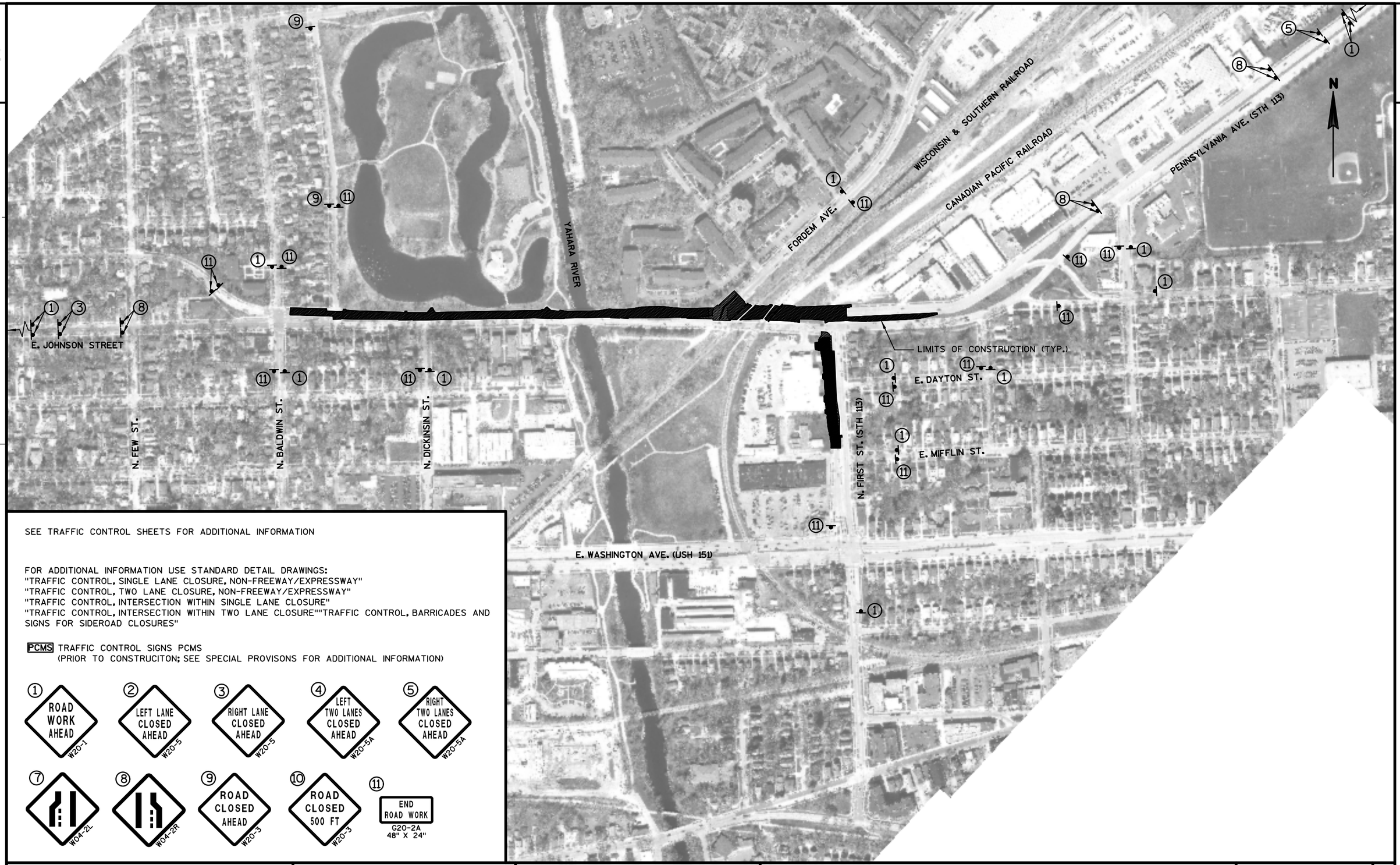


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

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

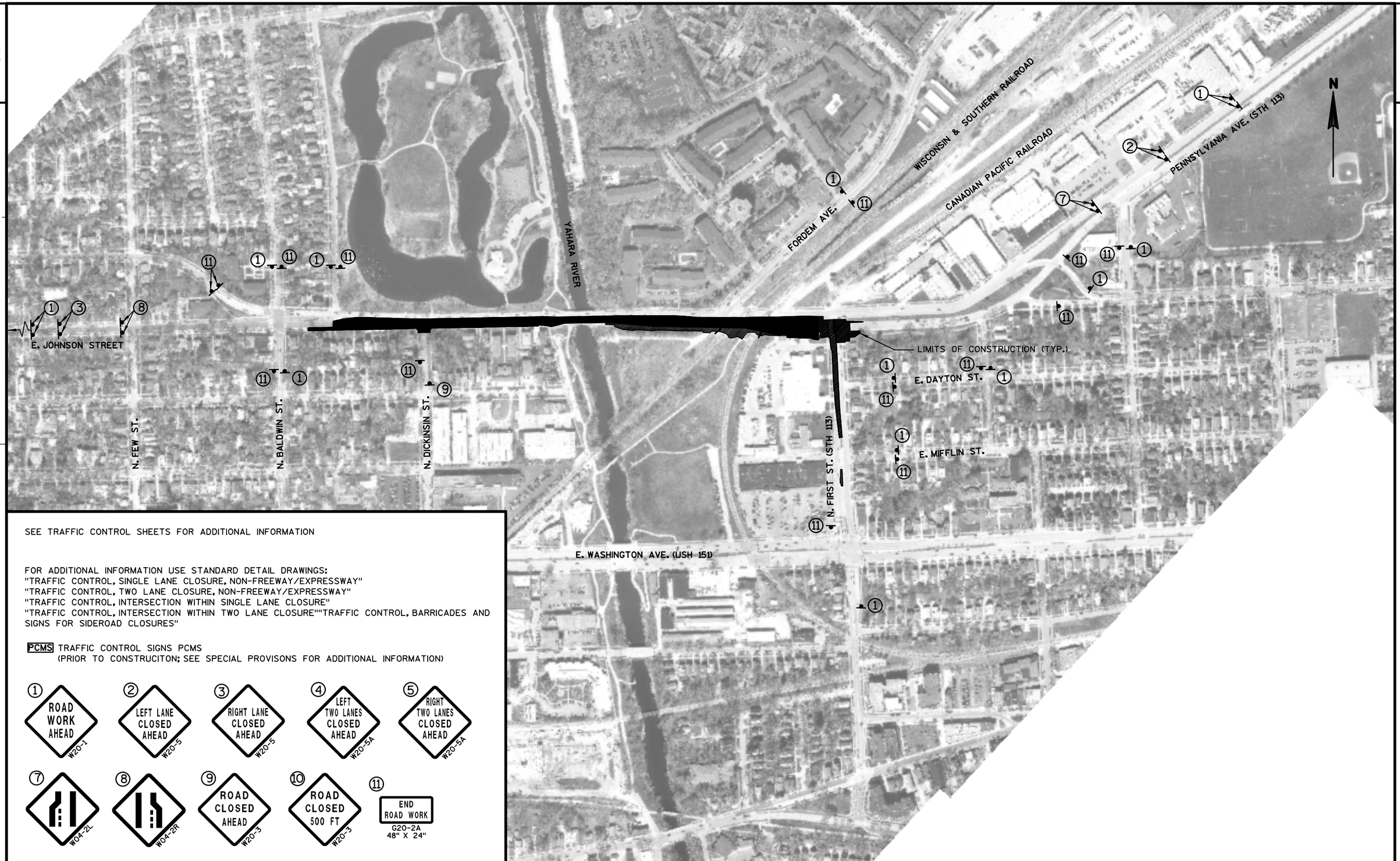


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

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	E

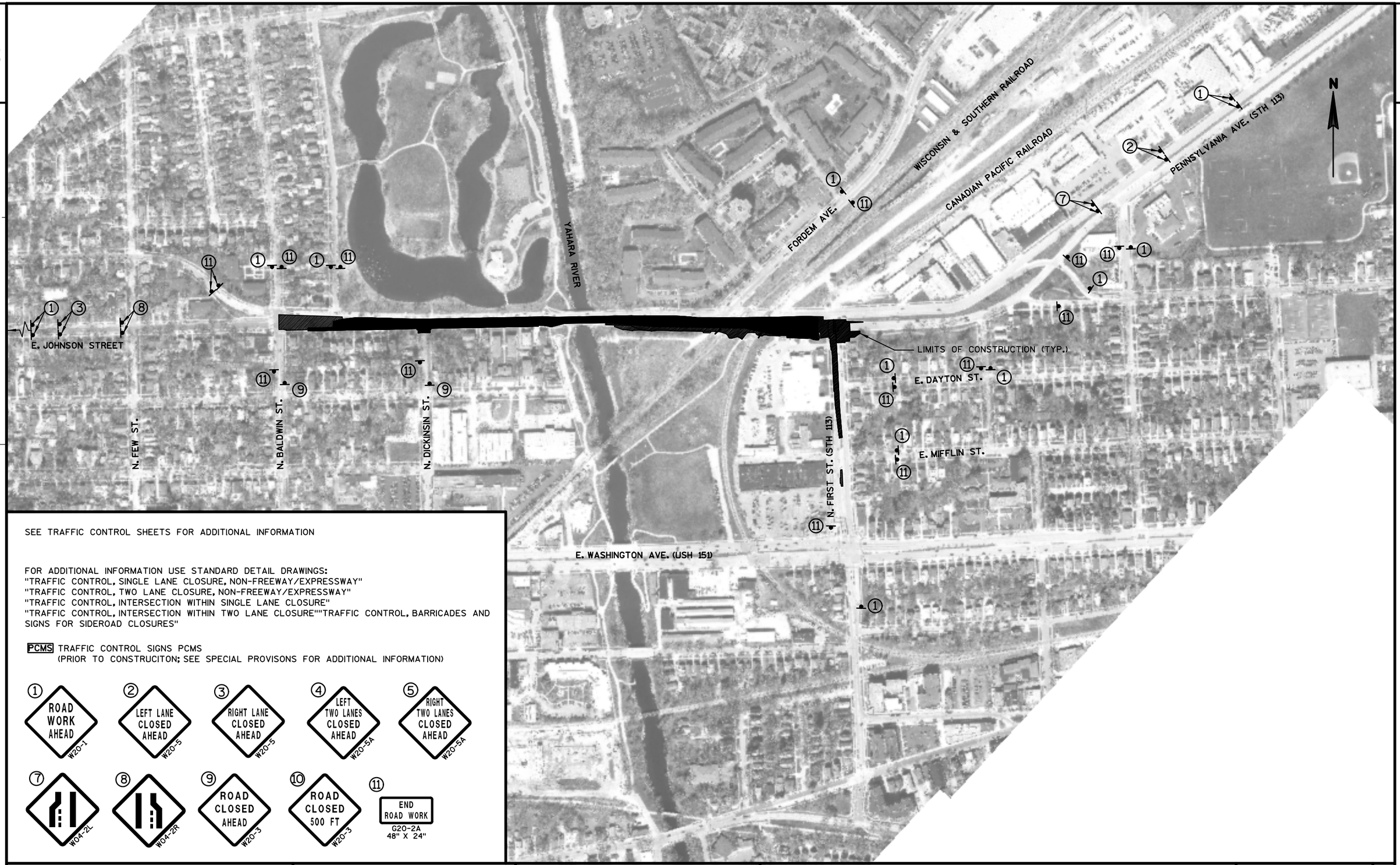


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

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 - STAGES 3, 3A, 3B, 3C, AND 3D	SHEET	E

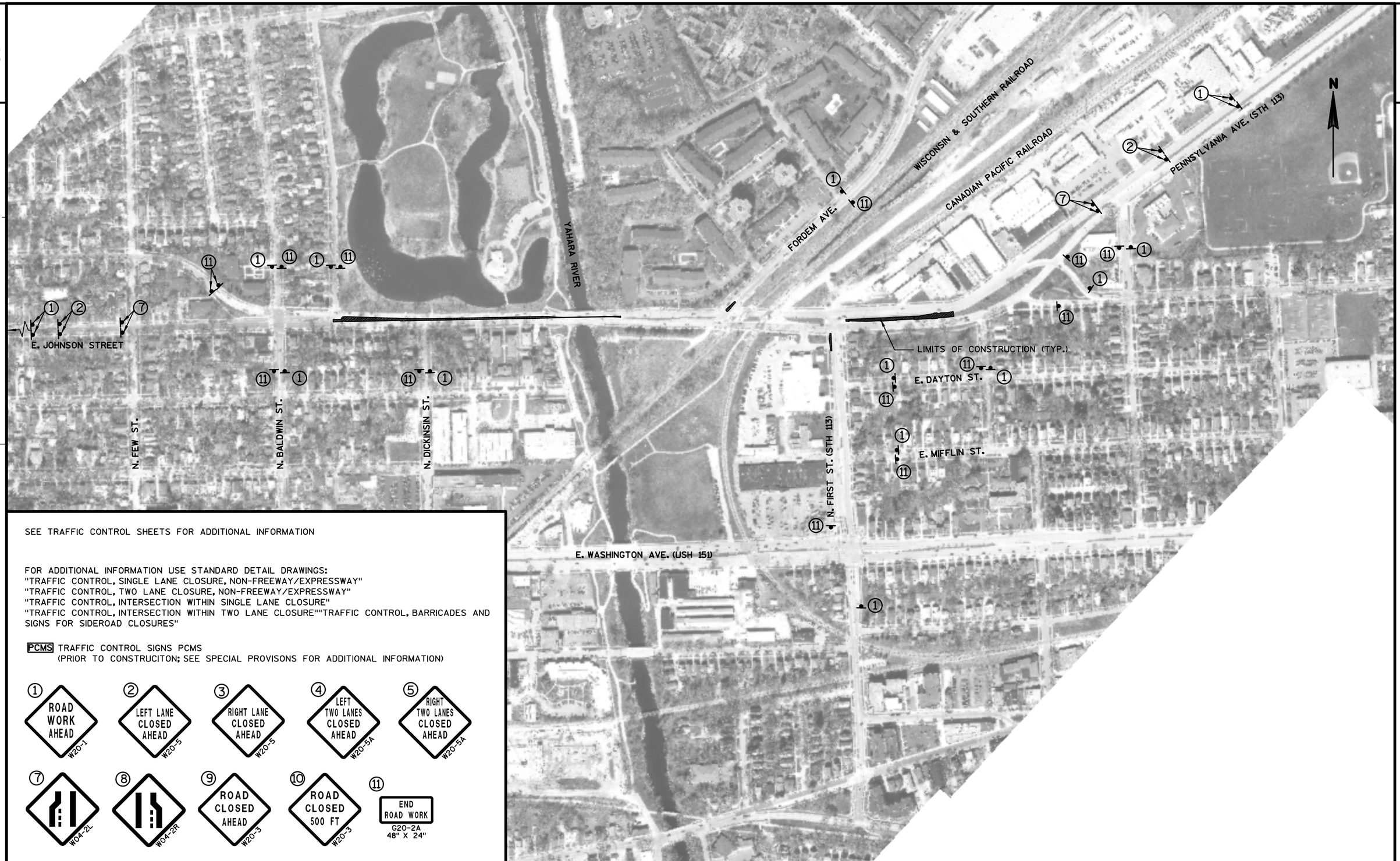


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

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 - STAGES 3 WITH OUTBOUND DETOUR	SHEET	E

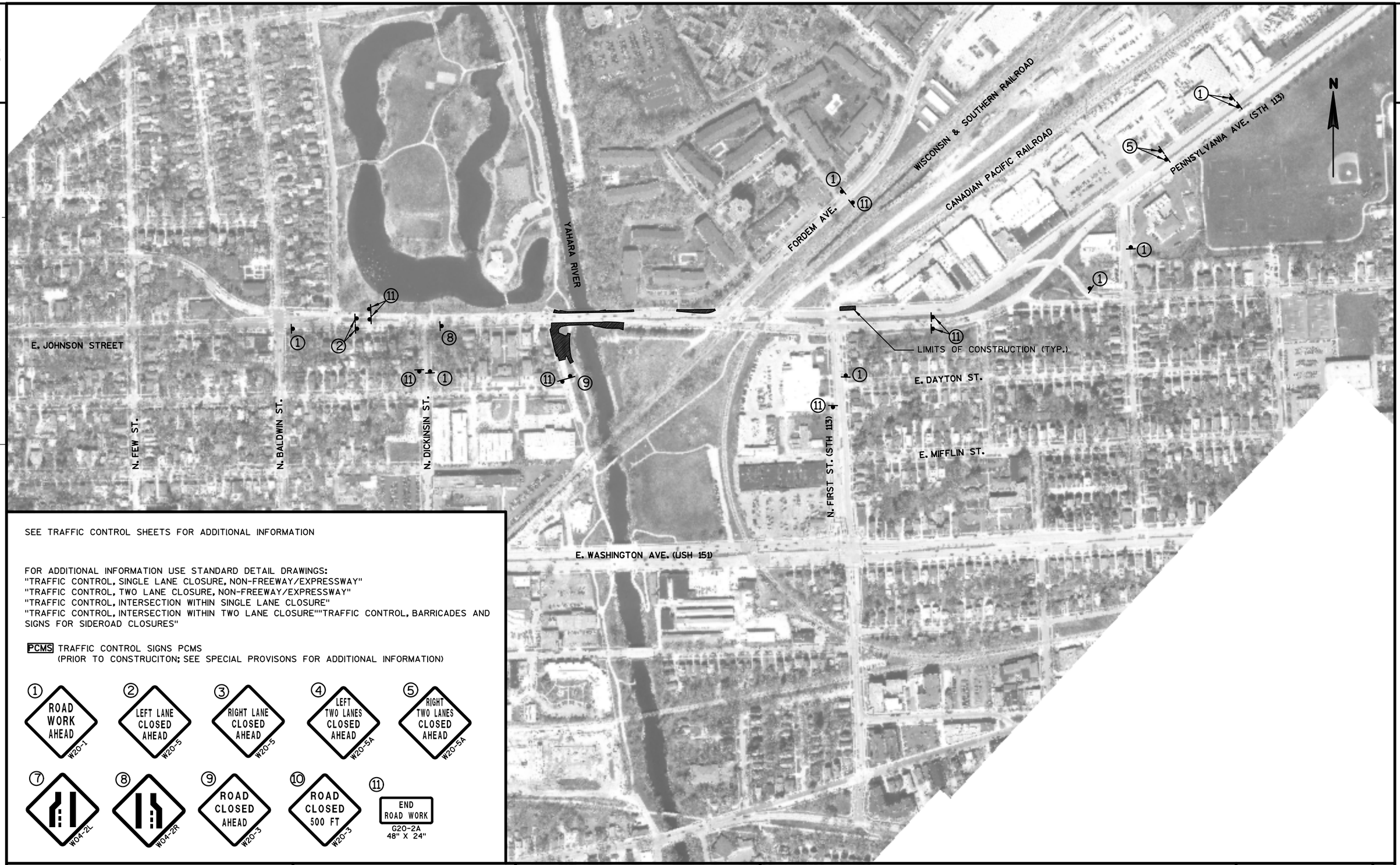


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

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 4	SHEET	E

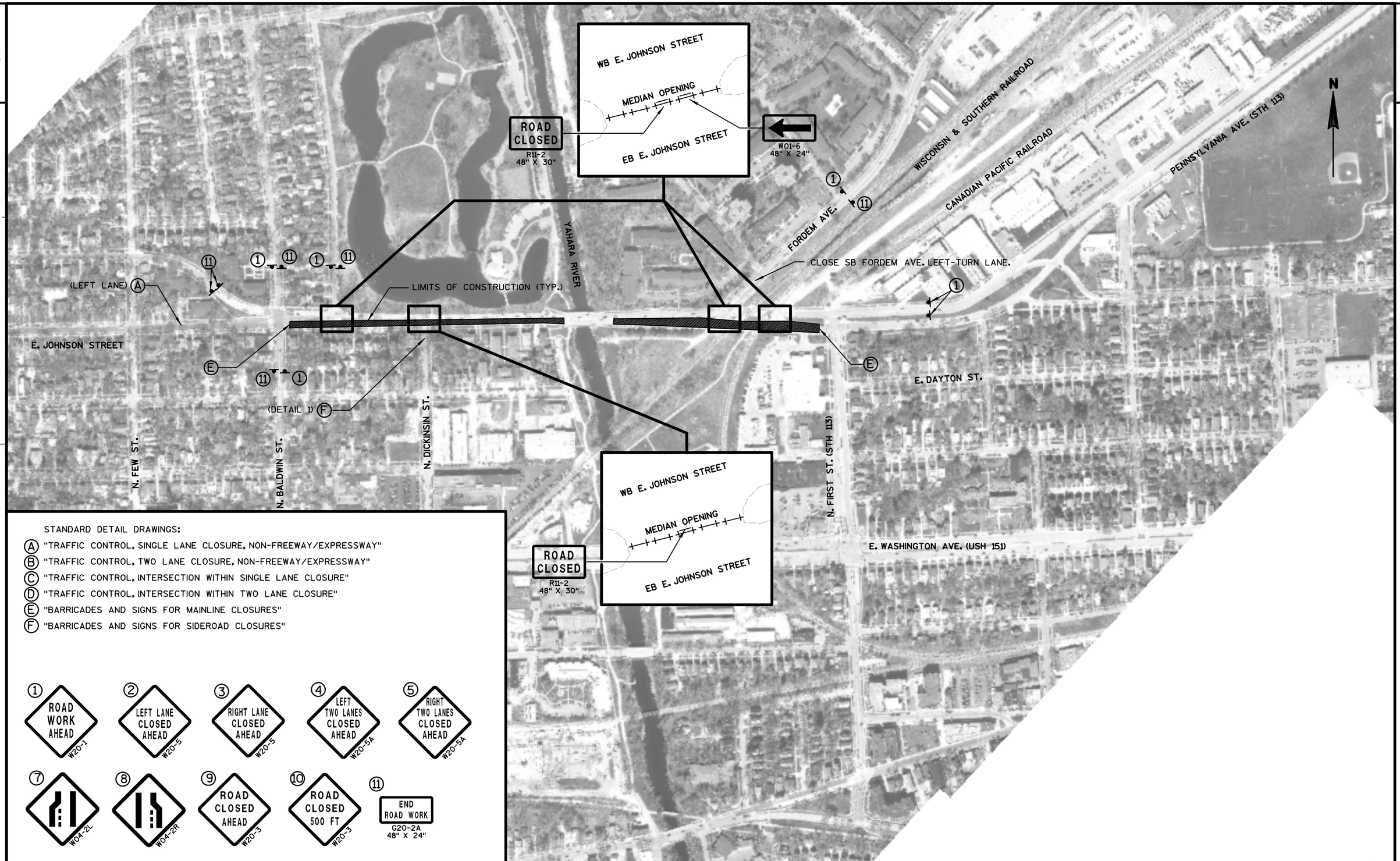


SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

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)

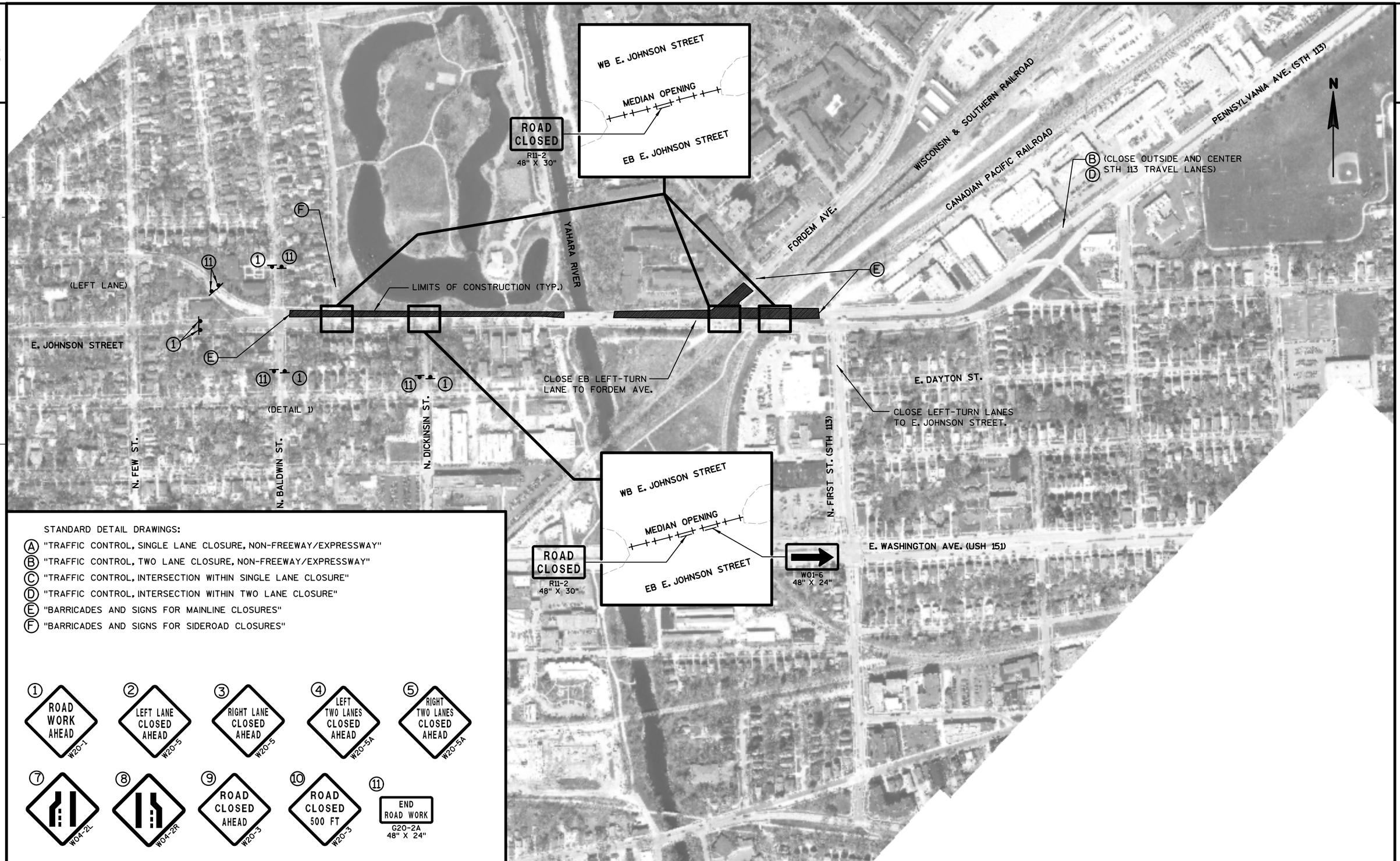
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGES 4A AND 4B	SHEET	E



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

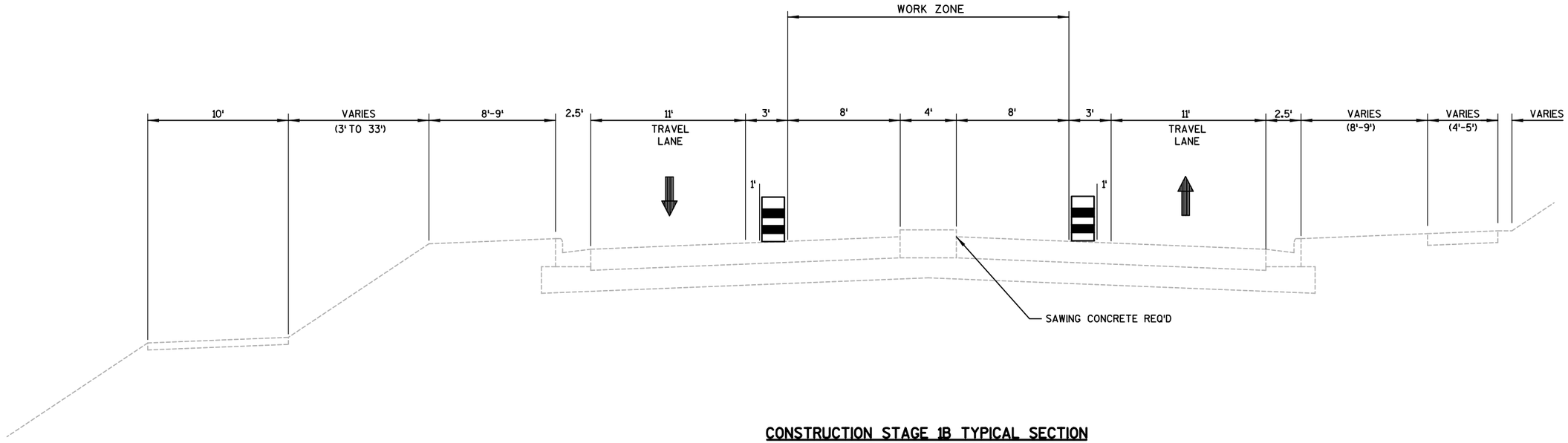


STANDARD DETAIL DRAWINGS:

- (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"

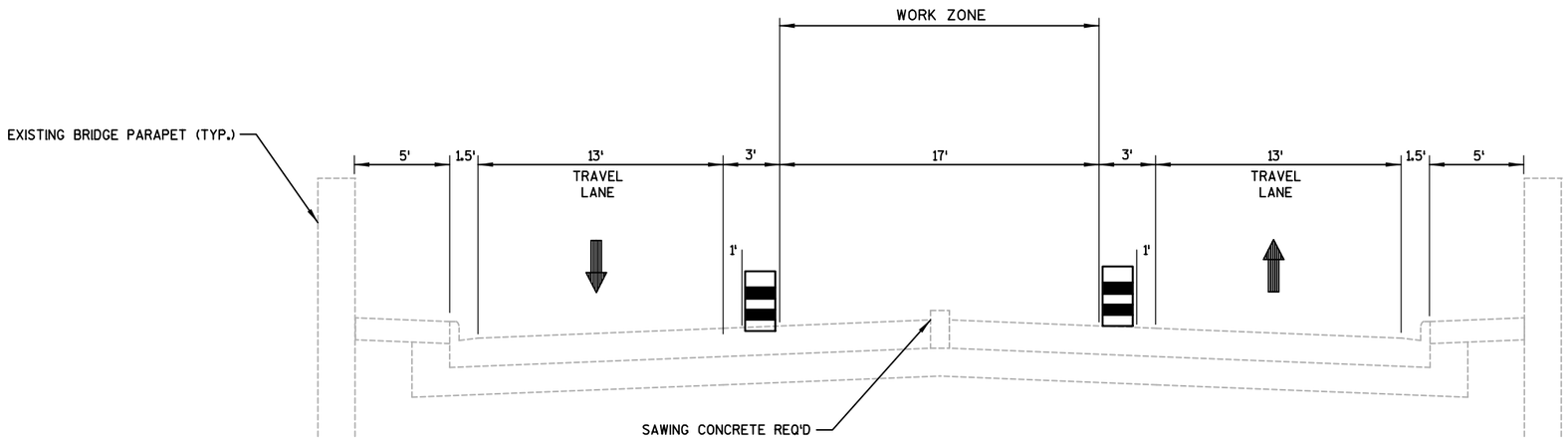
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	ADVANCE WARNING - STAGE 5; WB DIRECTIONAL DETOUR	SHEET	E

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

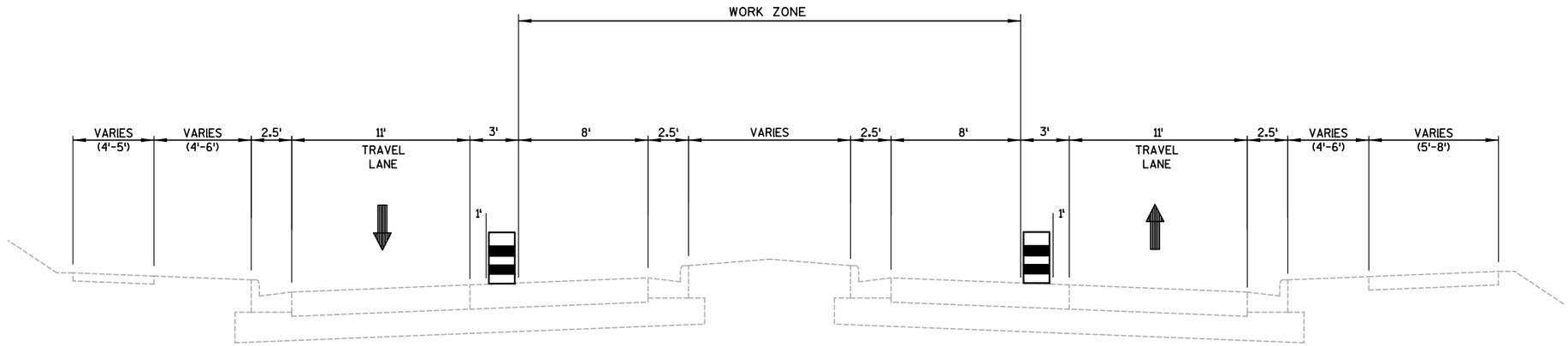
STA. 81+09 - STA. 87+90



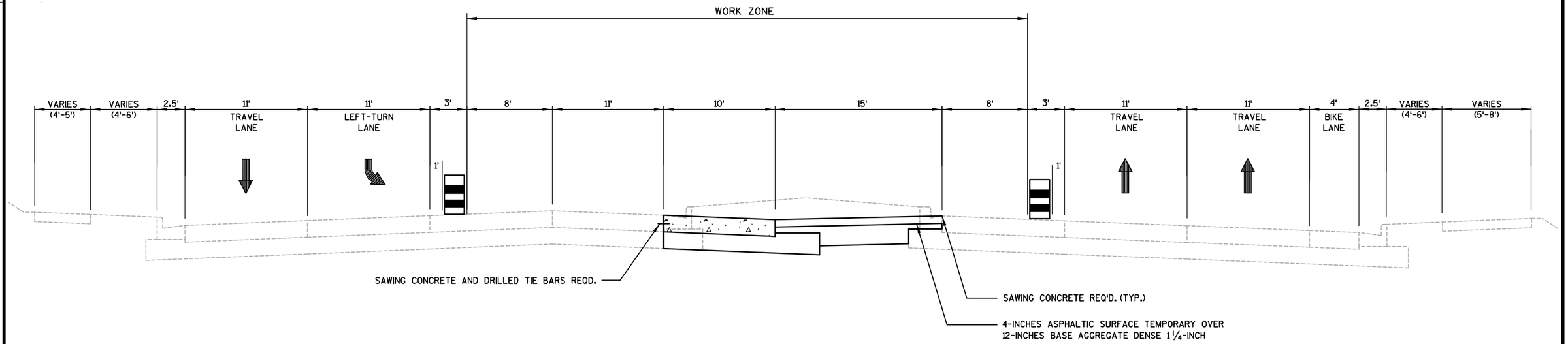
CONSTRUCTION STAGE 1B TYPICAL SECTION
EAST JOHNSON STREET

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	E

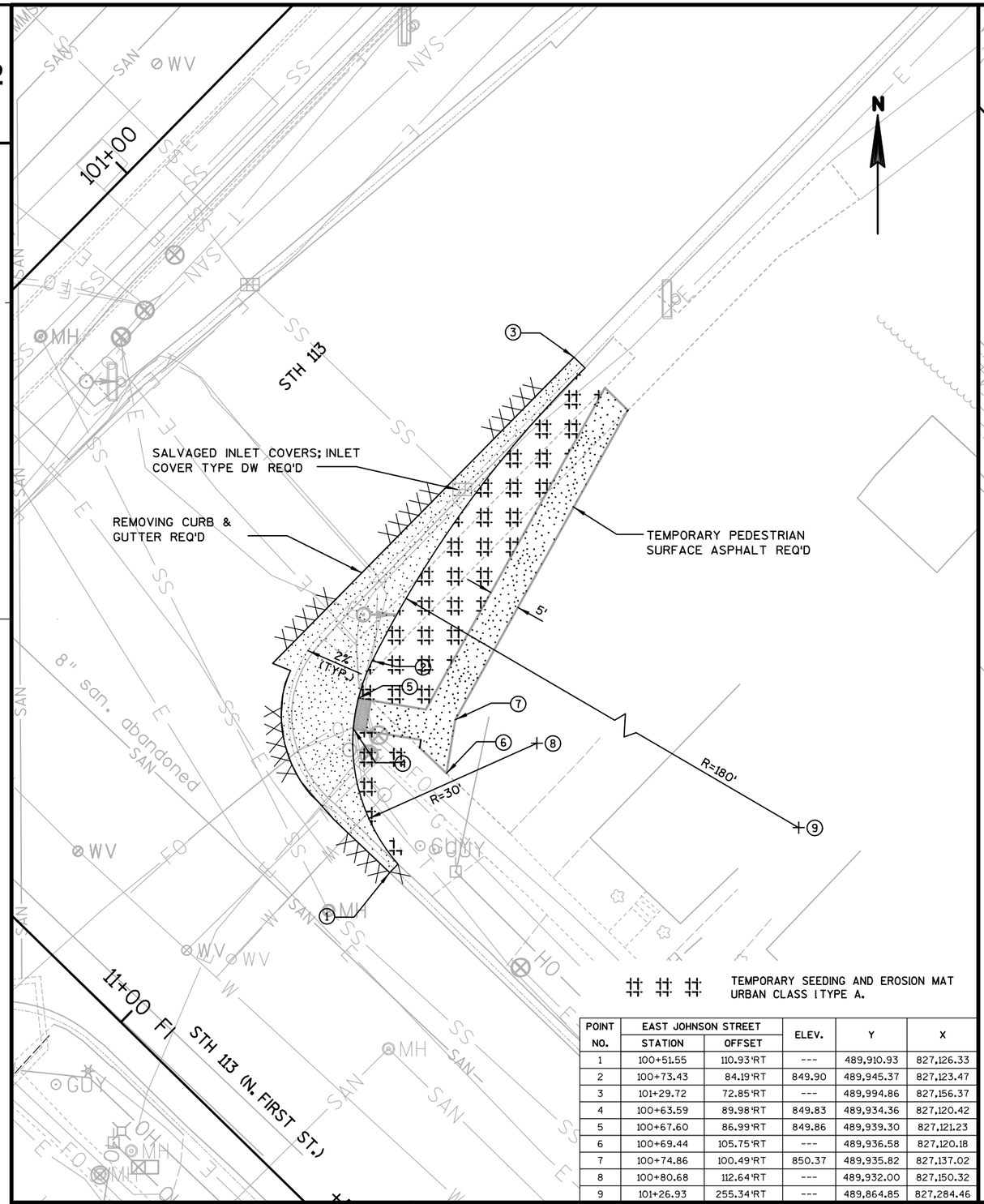


CONSTRUCTION STAGE 1B TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



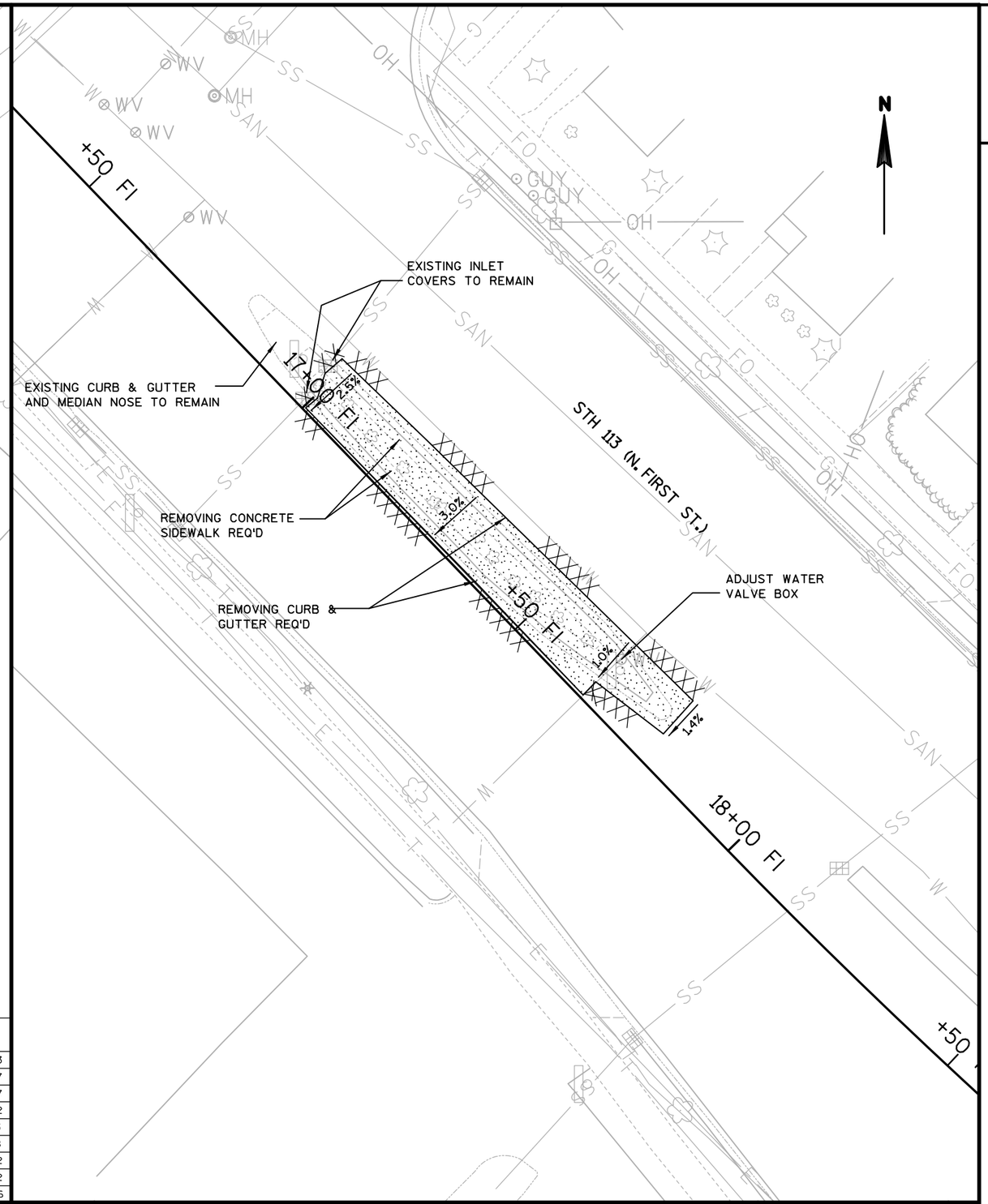
CONSTRUCTION STAGE 1B TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1B	SHEET	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



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1A	SHEET	E

2



2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

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+

E. JOHNSON STREET

LANE CLOSED
R11-2L
48" X 30"

10' (TYP.)

11'
11'

+50 FT
1+00 FT
+50 FT

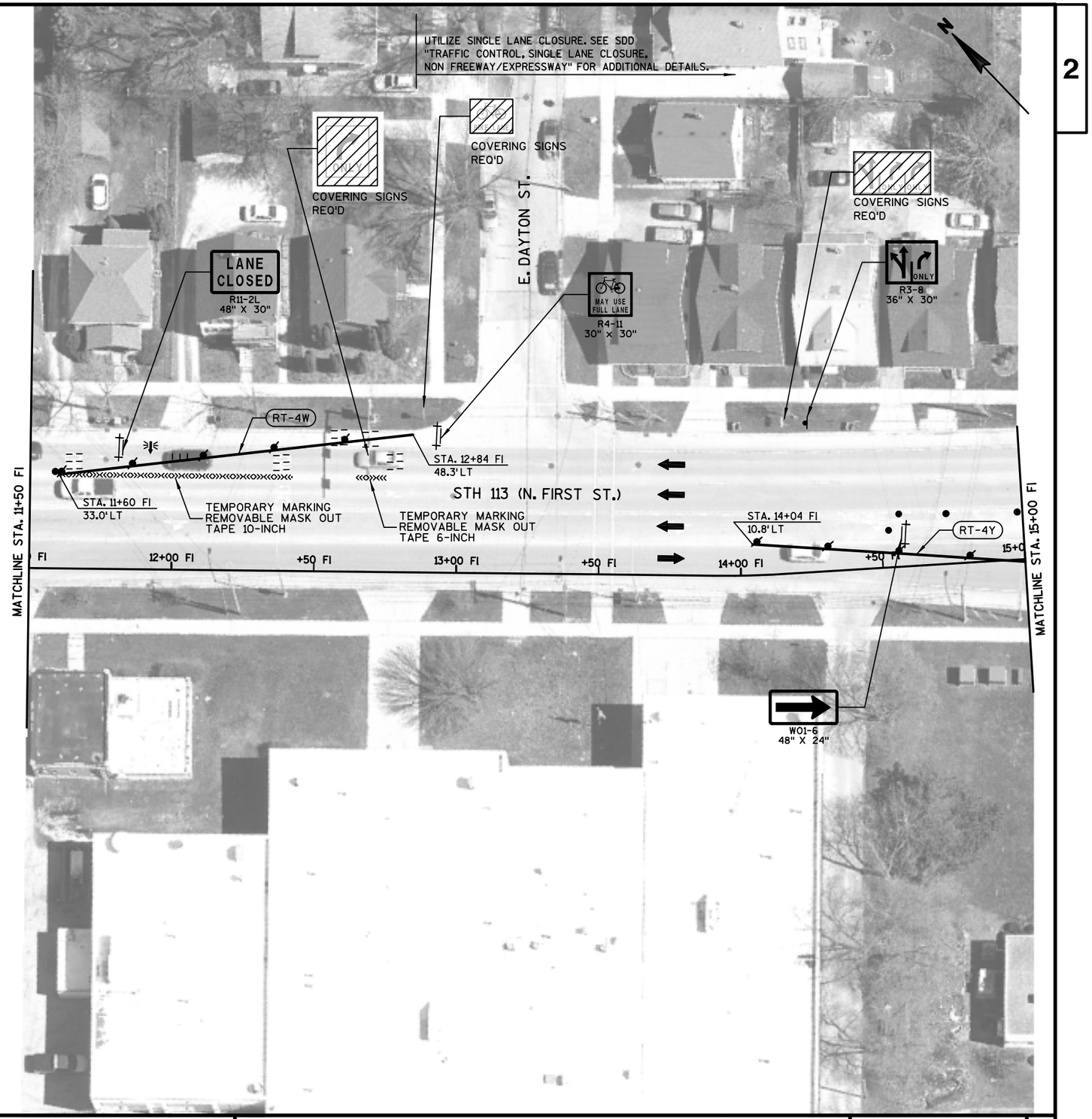
STH 113 (N. FIRST ST.)

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

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

2

2

BIKE LANE CLOSED AHEAD
W20-5M(W0D)

LANE CLOSED
R11-2L
48" X 30"

E. MIFFLIN ST.

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 15+00 Fl

0 Fl

+50 Fl

16+00 Fl

+50 Fl

17+00 Fl

+50 Fl

18+00 Fl

+50 Fl

19+00 Fl

RT-4Y

11'

STA. 16+09 Fl
11.5' RT

STH 113 (N. FIRST ST.)

SEE "TEMPORARY PAVEMENT LAYOUT - STAGE 1A" FOR ADDITIONAL INFORMATION.

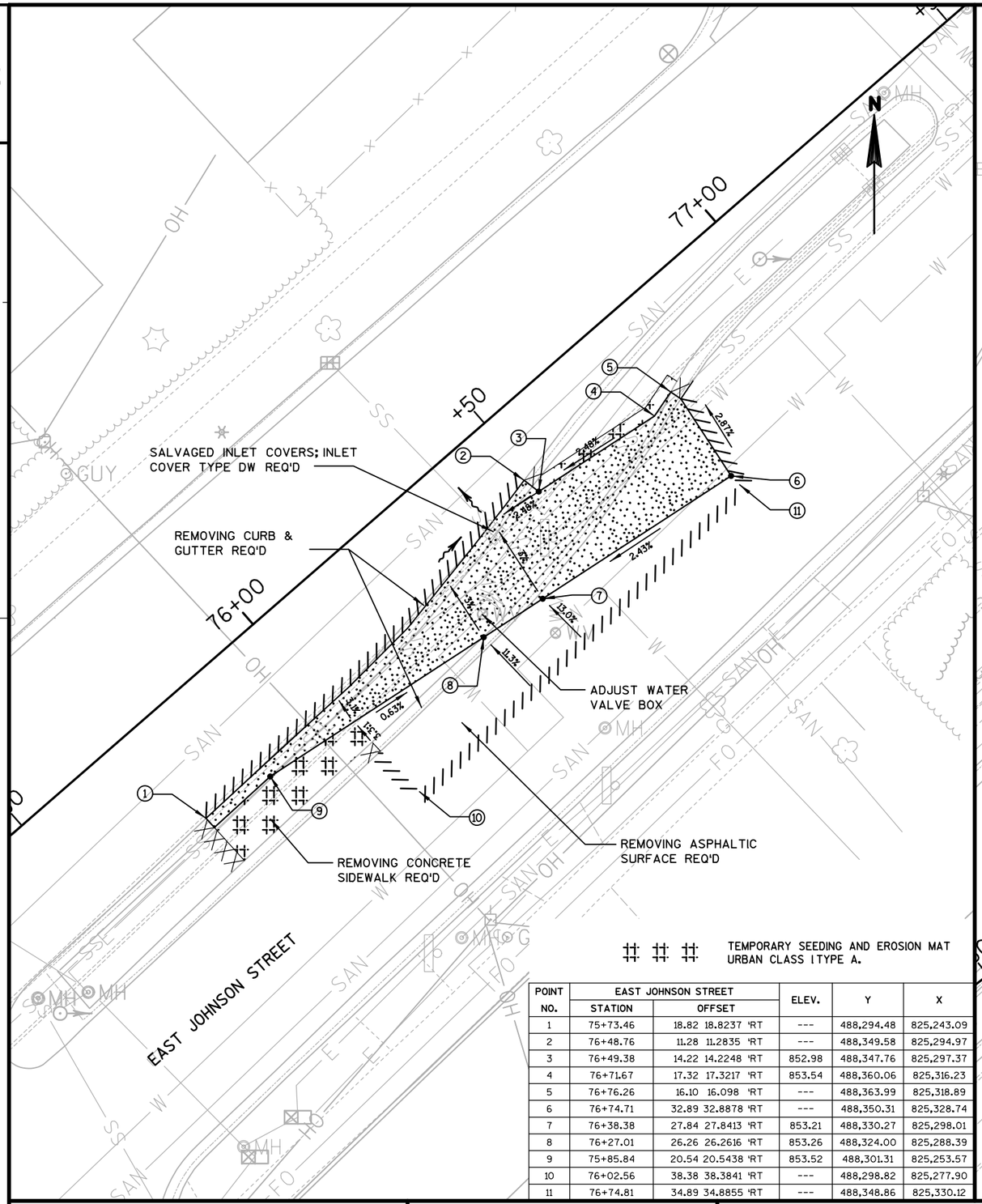
LANE CLOSED
R11-2L
48" X 30"

N

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

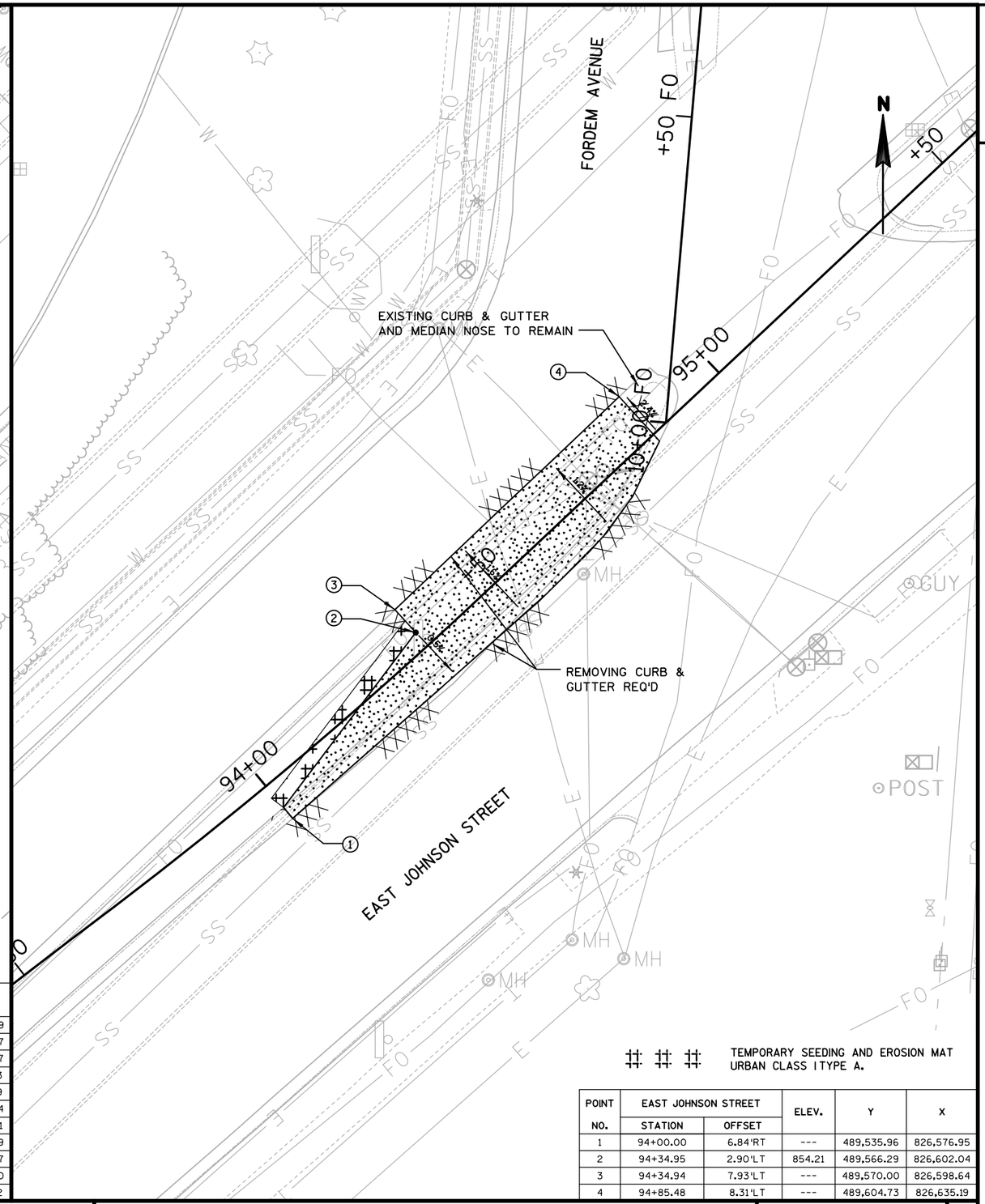
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WISDOT/CADDS SHEET 42



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

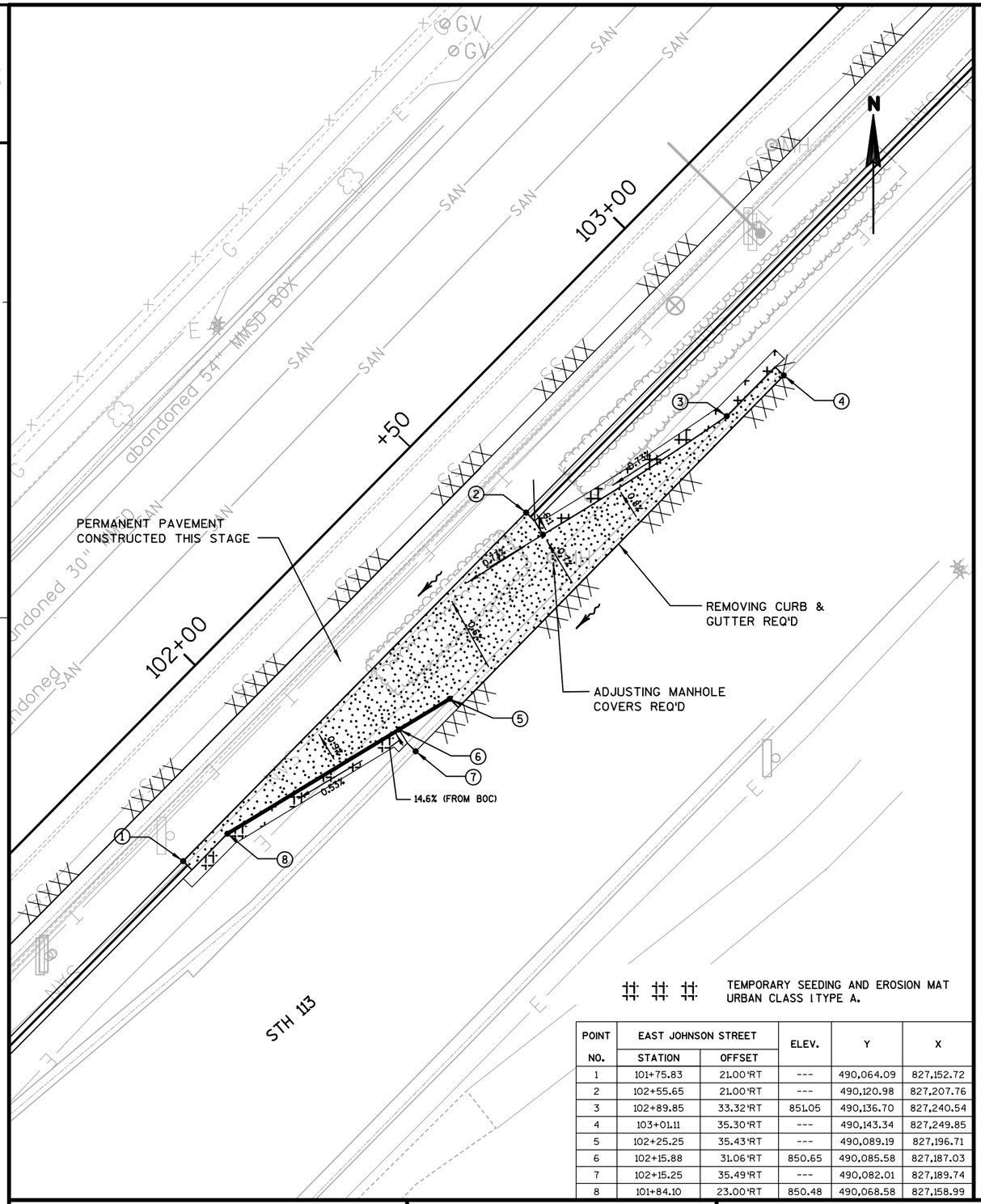
POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	75+73.46	18.82 18.8237 'RT	---	488,294.48	825,243.09
2	76+48.76	11.28 11.2835 'RT	---	488,349.58	825,294.97
3	76+49.38	14.22 14.2248 'RT	852.98	488,347.76	825,297.37
4	76+71.67	17.32 17.3217 'RT	853.54	488,360.06	825,316.23
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

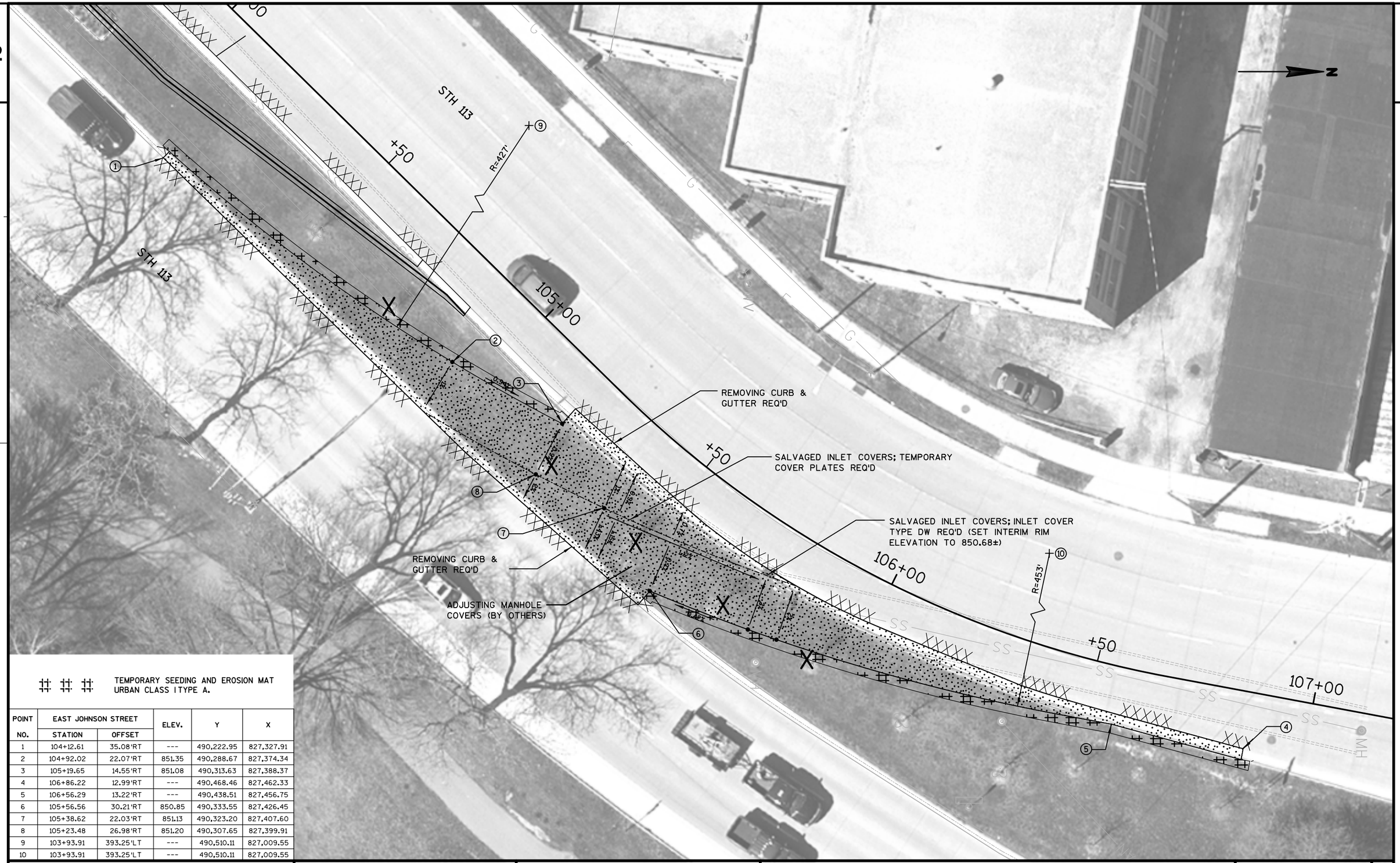
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1B	SHEET E



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

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



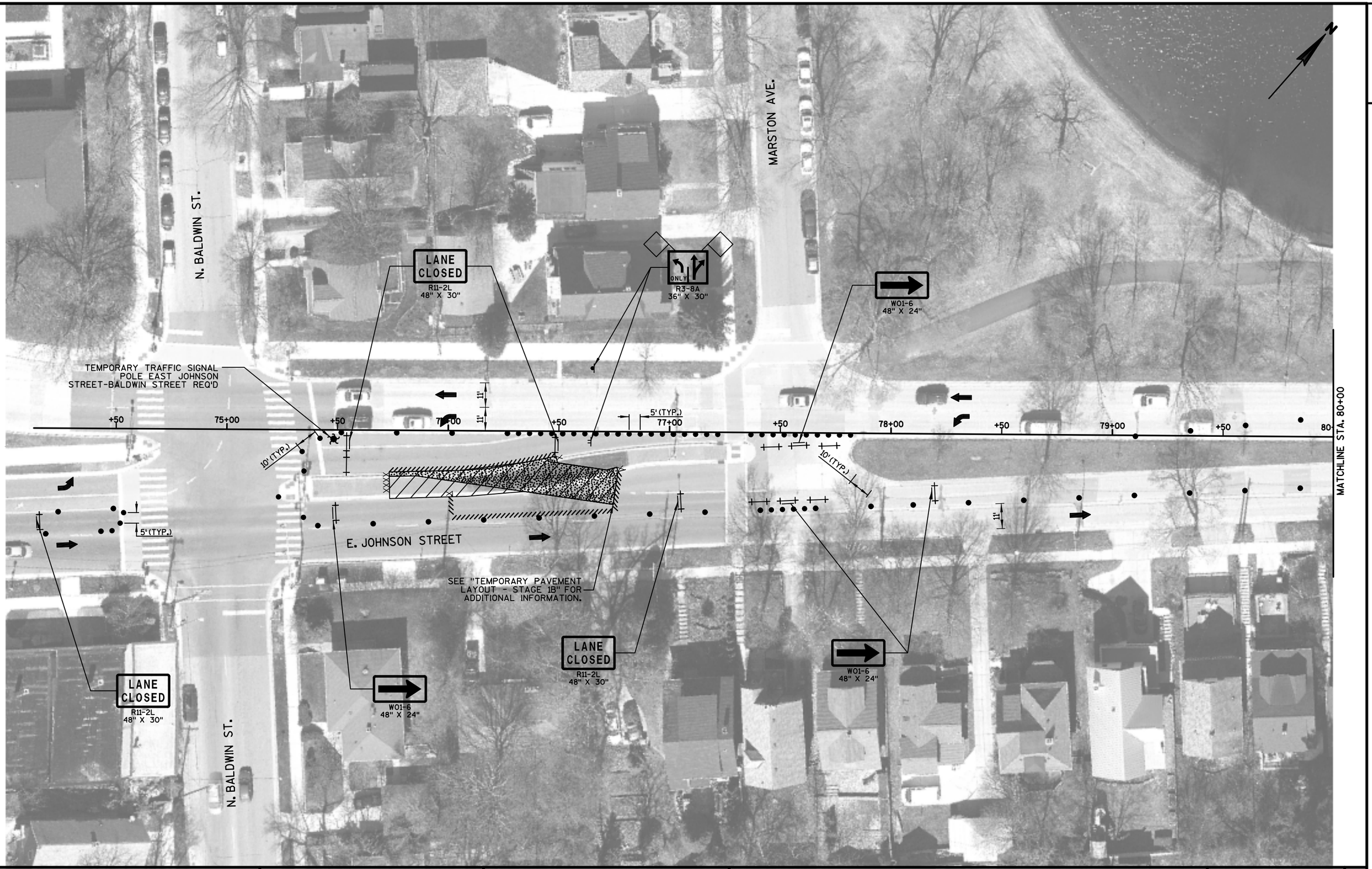
POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	104+12.61	35.08'RT	---	490,222.95	827,327.91
2	104+92.02	22.07'RT	851.35	490,288.67	827,374.34
3	105+19.65	14.55'RT	851.08	490,313.63	827,388.37
4	106+86.22	12.99'RT	---	490,468.46	827,462.33
5	106+56.29	13.22'RT	---	490,438.51	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	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

2

2

TENNEY PARK LAGOON

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

+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 : $$.....plotscale.....$$

2

2

TENNEY PARK LAGOON

TENNEY PARK

YAHARA RIVER

N

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

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

+50

13'

E. JOHNSON STREET

10+00 YP

+50 PL

+50 YP

11+00 PL

11+00 YP

+50 YP

12+00 YP

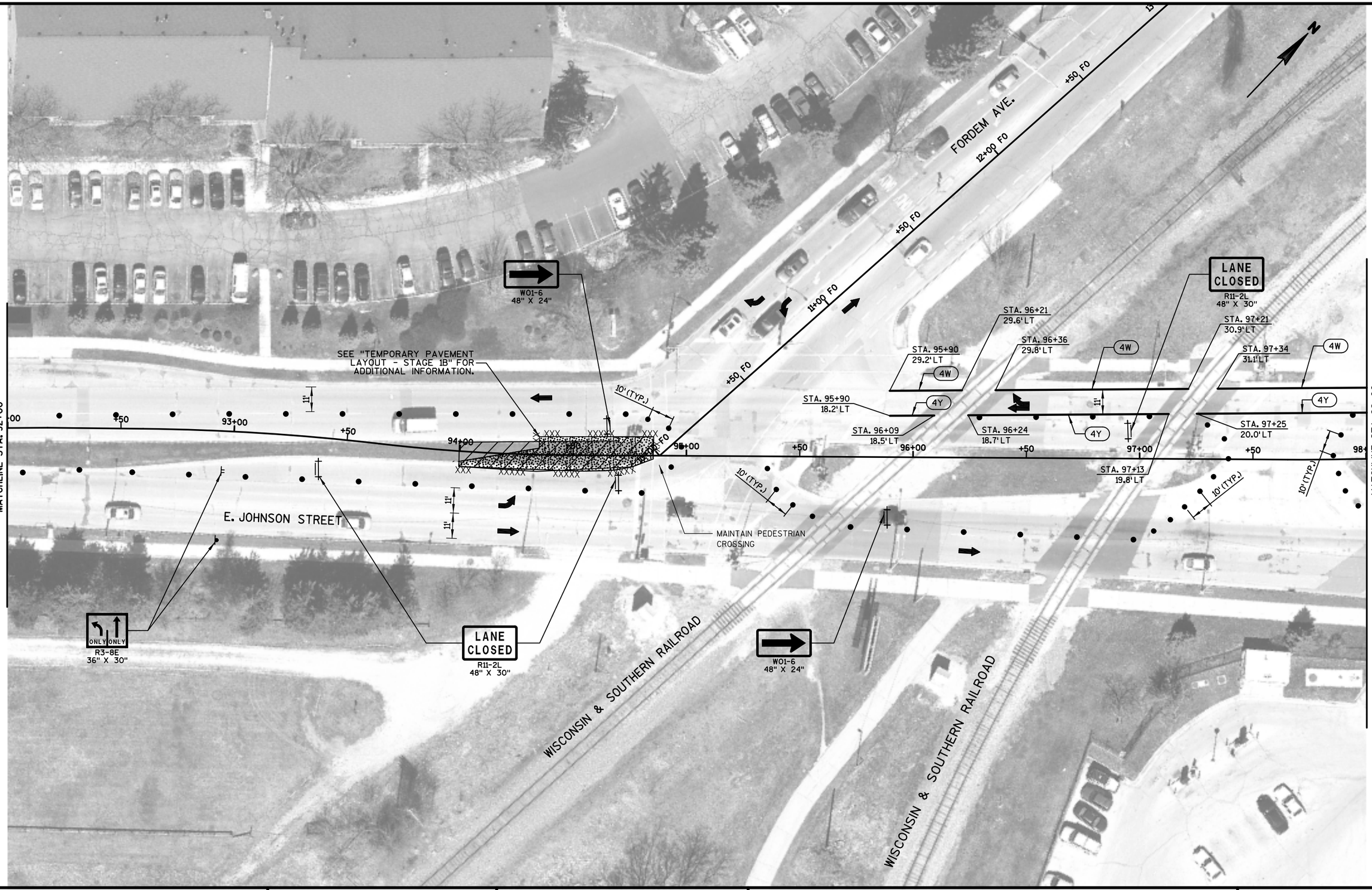
N. THORNTON AVENUE

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

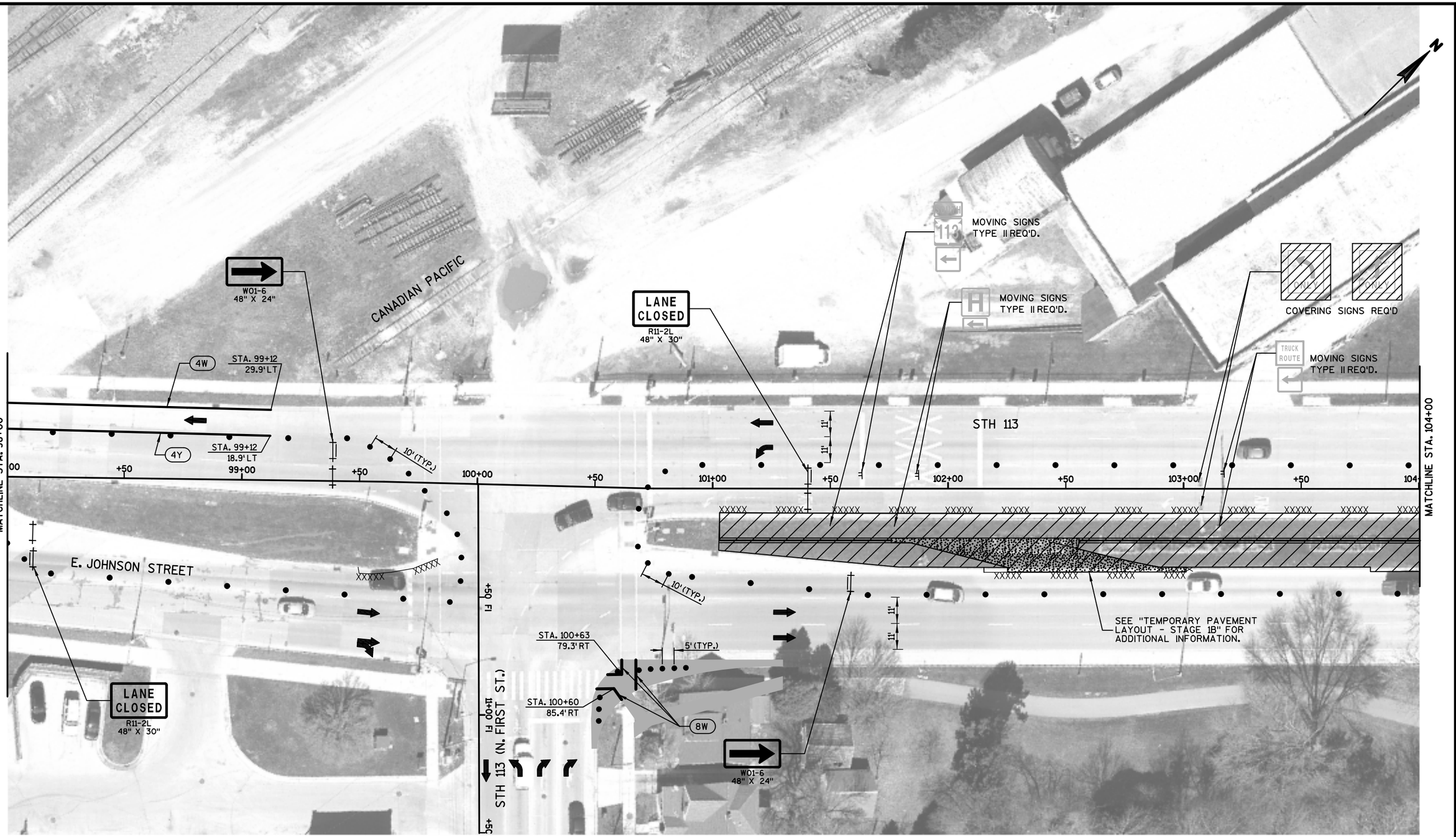
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2



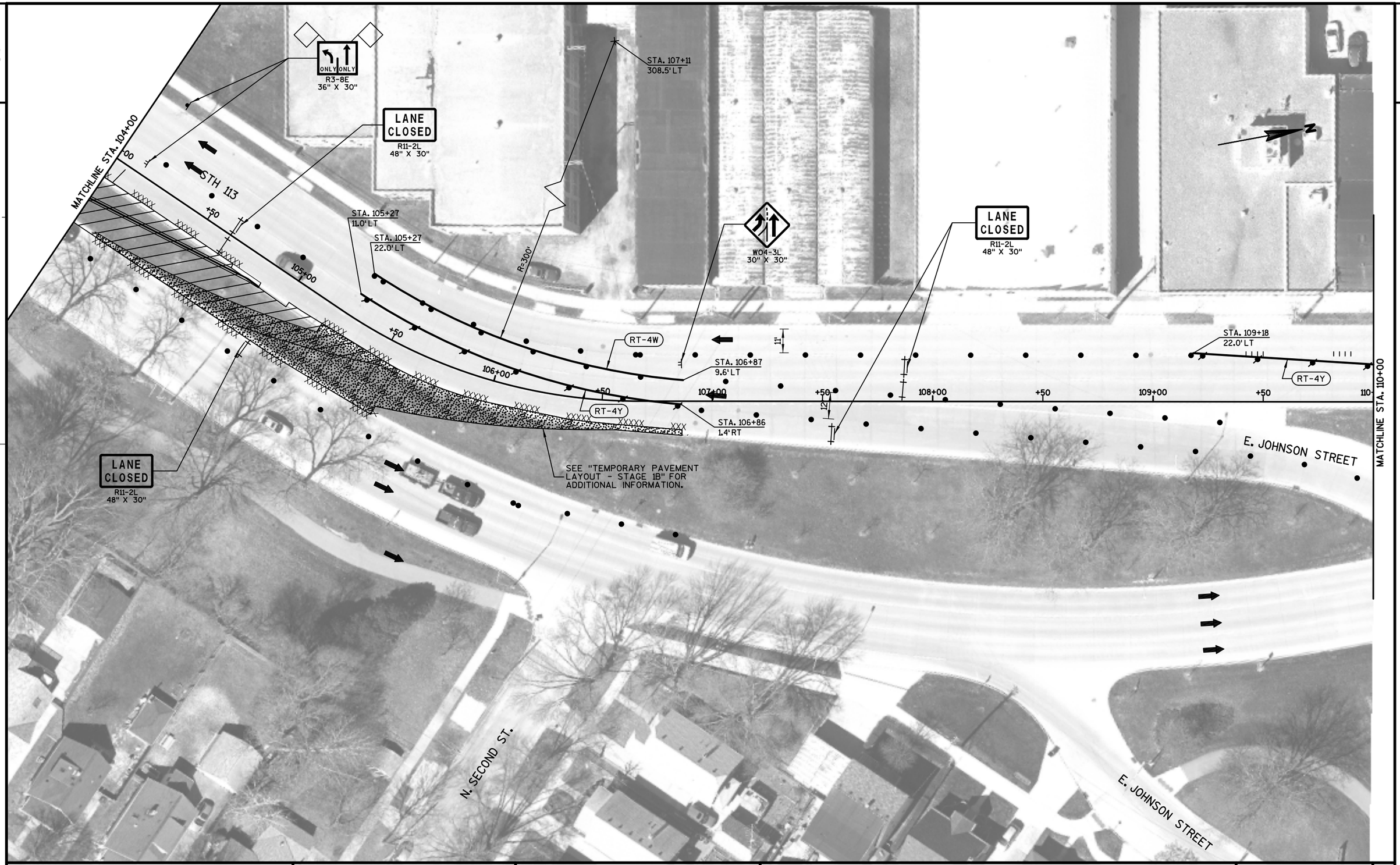
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

2

UTILIZE TWO LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

N

STH 113

STA. 110+98
11.0' LT

RT-4Y

W01-6
48" X 24"

11'

11'

12'

10' (TYP.)

5' (TYP.)

LANE CLOSED
R11-2L
48" X 30"

COVERING SIGNS REQ'D

E. JOHNSON STREET

N. THIRD ST.

MATCHLINE 1

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

2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E

2

N

LANE CLOSED
R11-2L
48" X 30"

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

UTILIZE TWO LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, TWO LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

STH 113

11'
11'

STA. 118+95
11.0'LT

RT-4Y

STA. 120+75
0.0'LT

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 1B	SHEET	E

2

MATCHLINE 1

R3-60R
30" X 36"

LANE CLOSED
R11-2L
48" X 30"

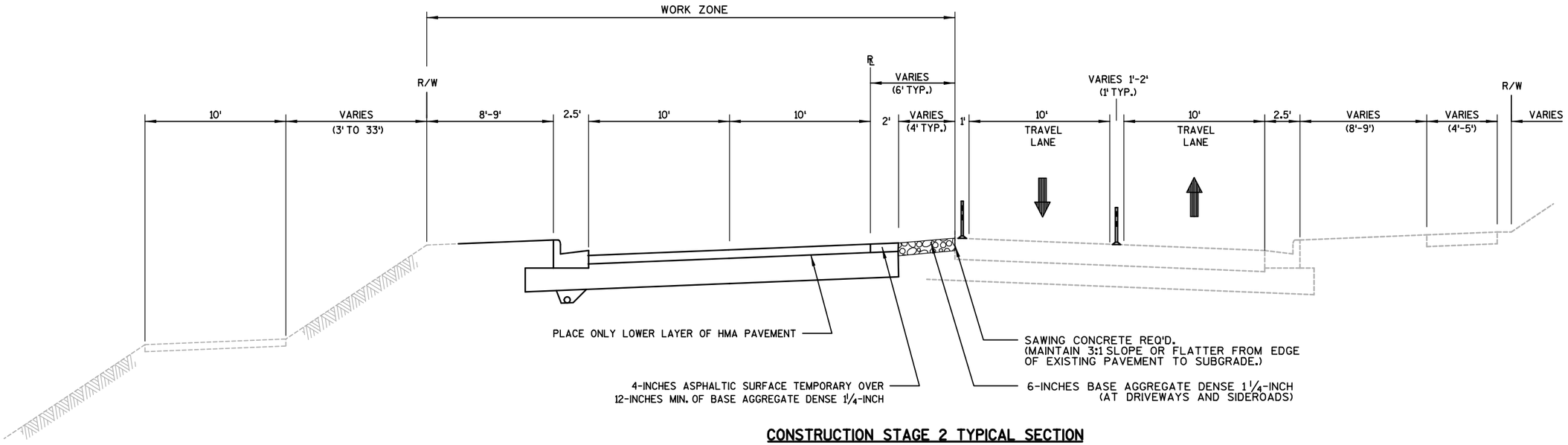
N. THIRD ST.

E. JOHNSON STREET

E. JOHNSON STREET

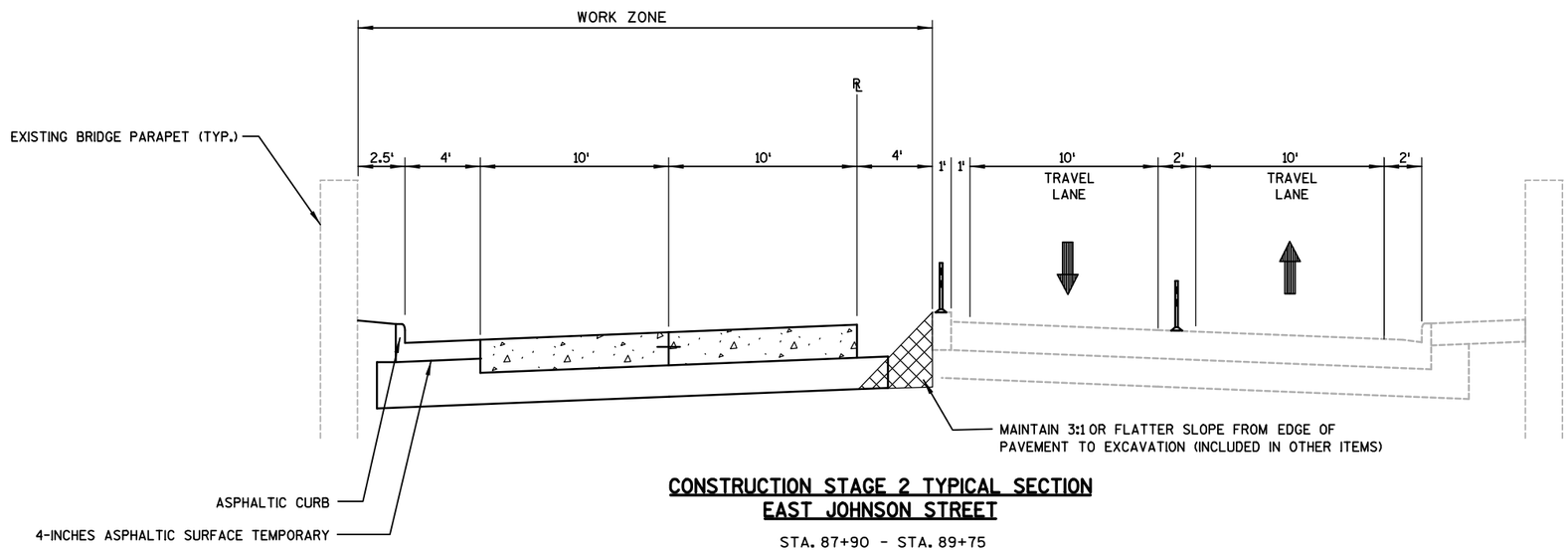
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B	SHEET	E



CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET

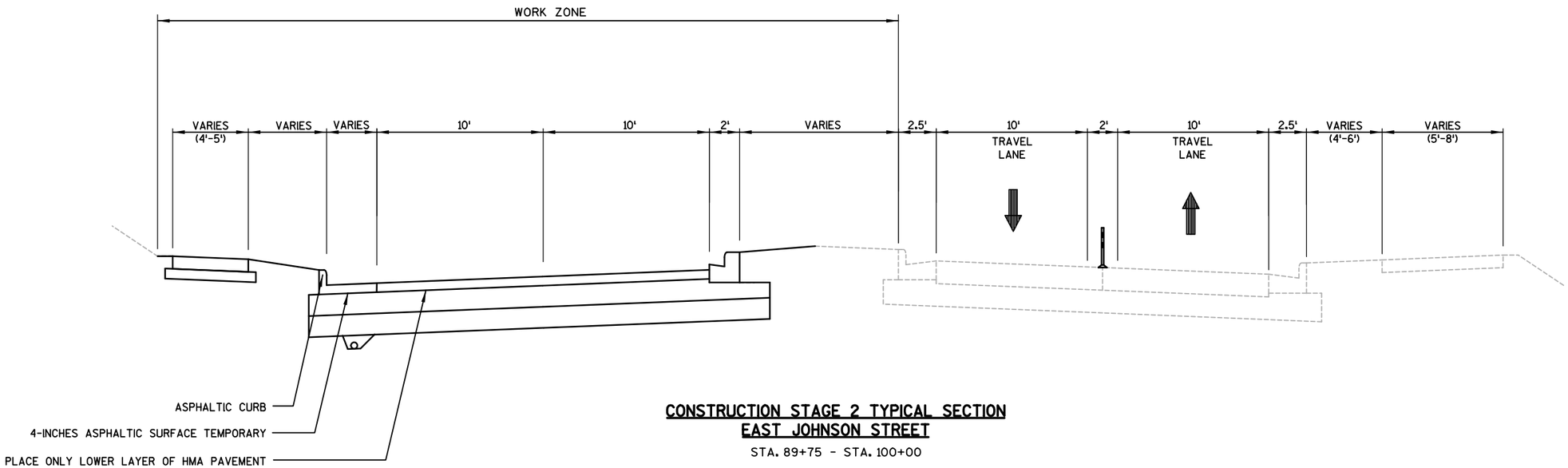
STA. 77+43 - STA. 87+90



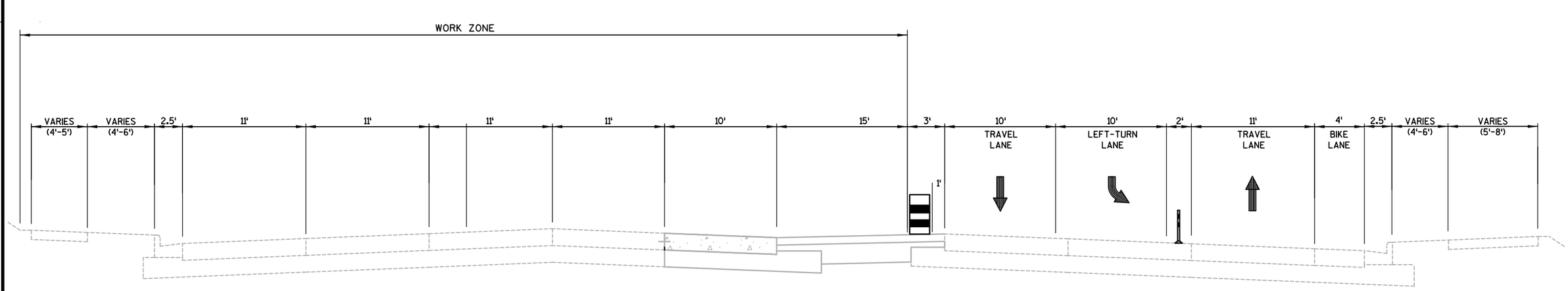
CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET

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	E

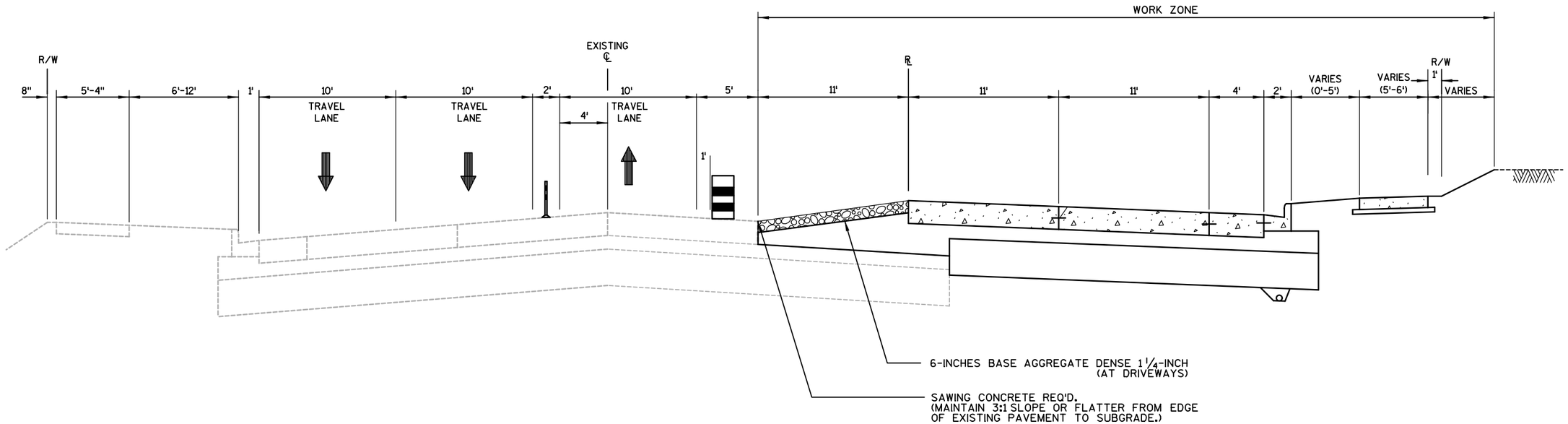


CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



CONSTRUCTION STAGE 2 TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

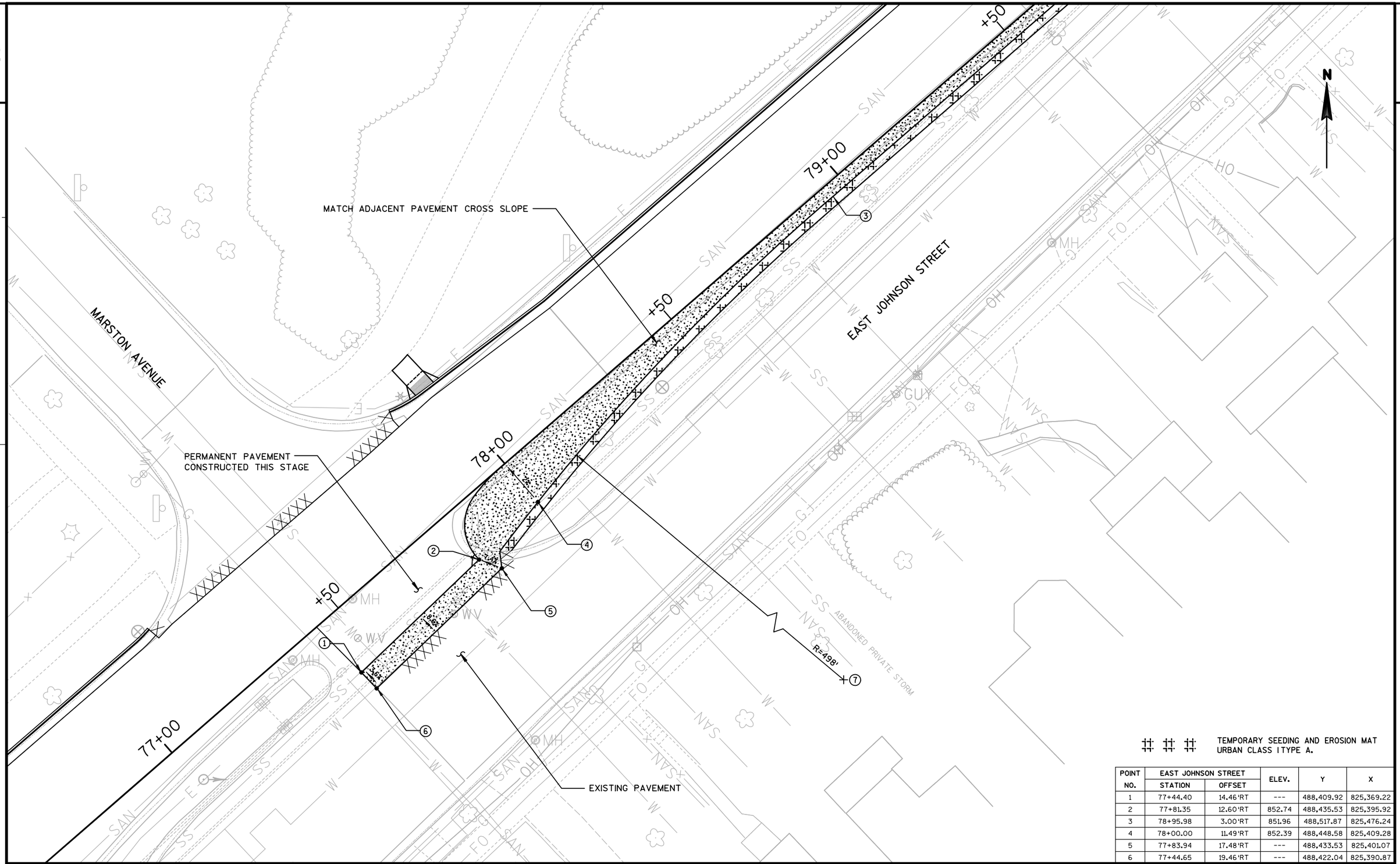
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET	E



CONSTRUCTION STAGE 2 TYPICAL SECTION
STH 113 (FIRST STREET)

STA. 10+80 - STA. 16+07

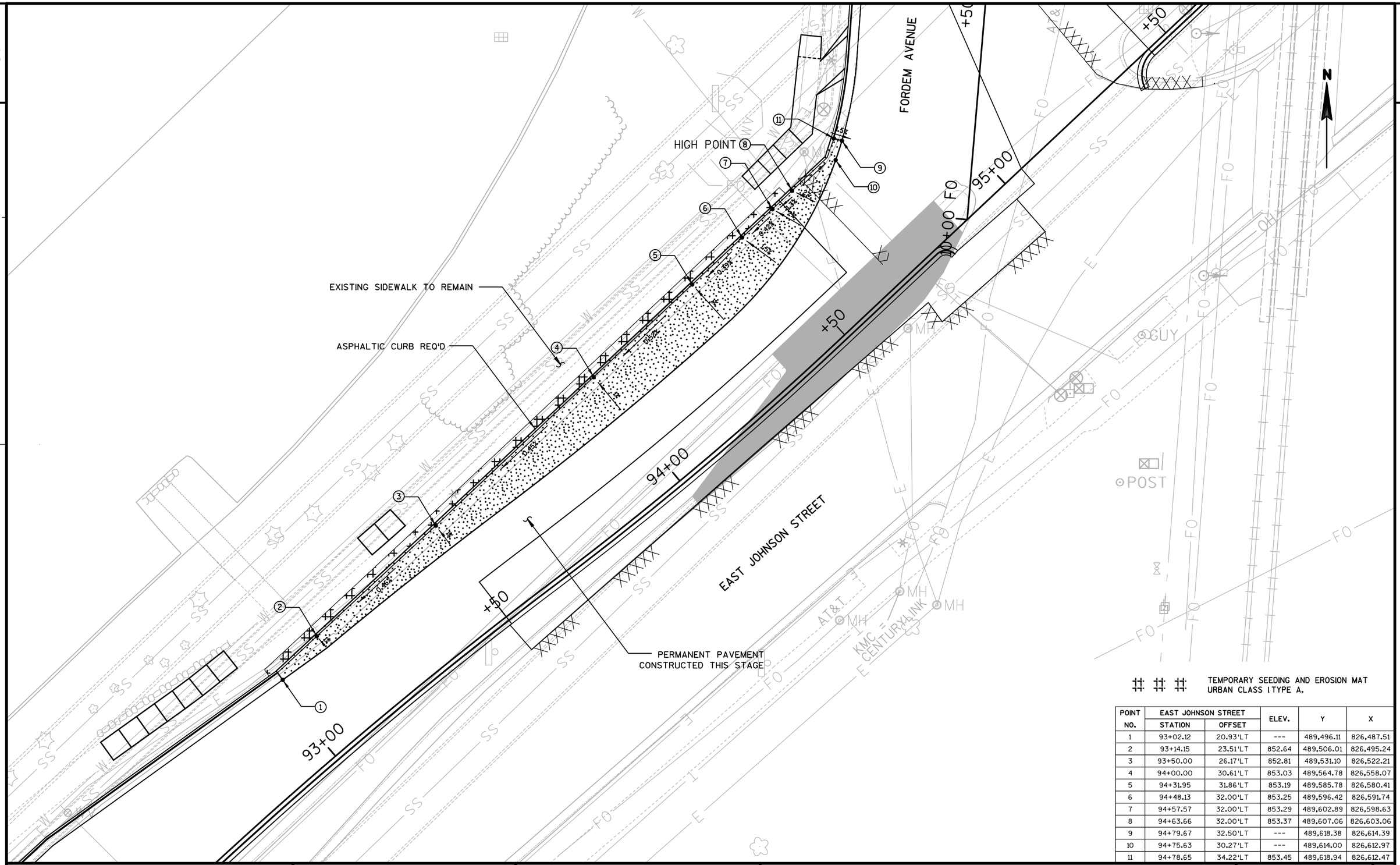
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET	E



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	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

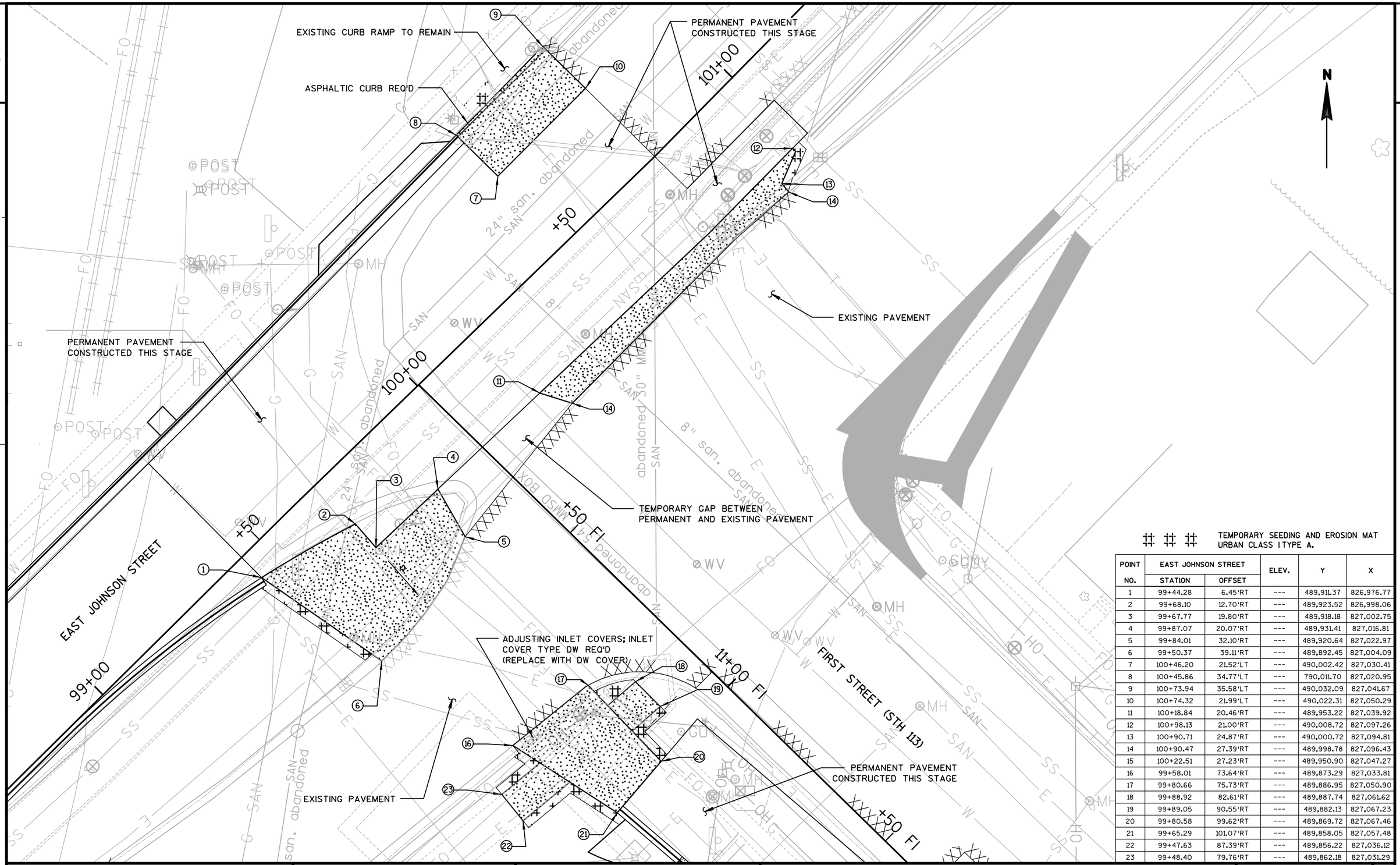
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 2	SHEET	E



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS ITYPE A.

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

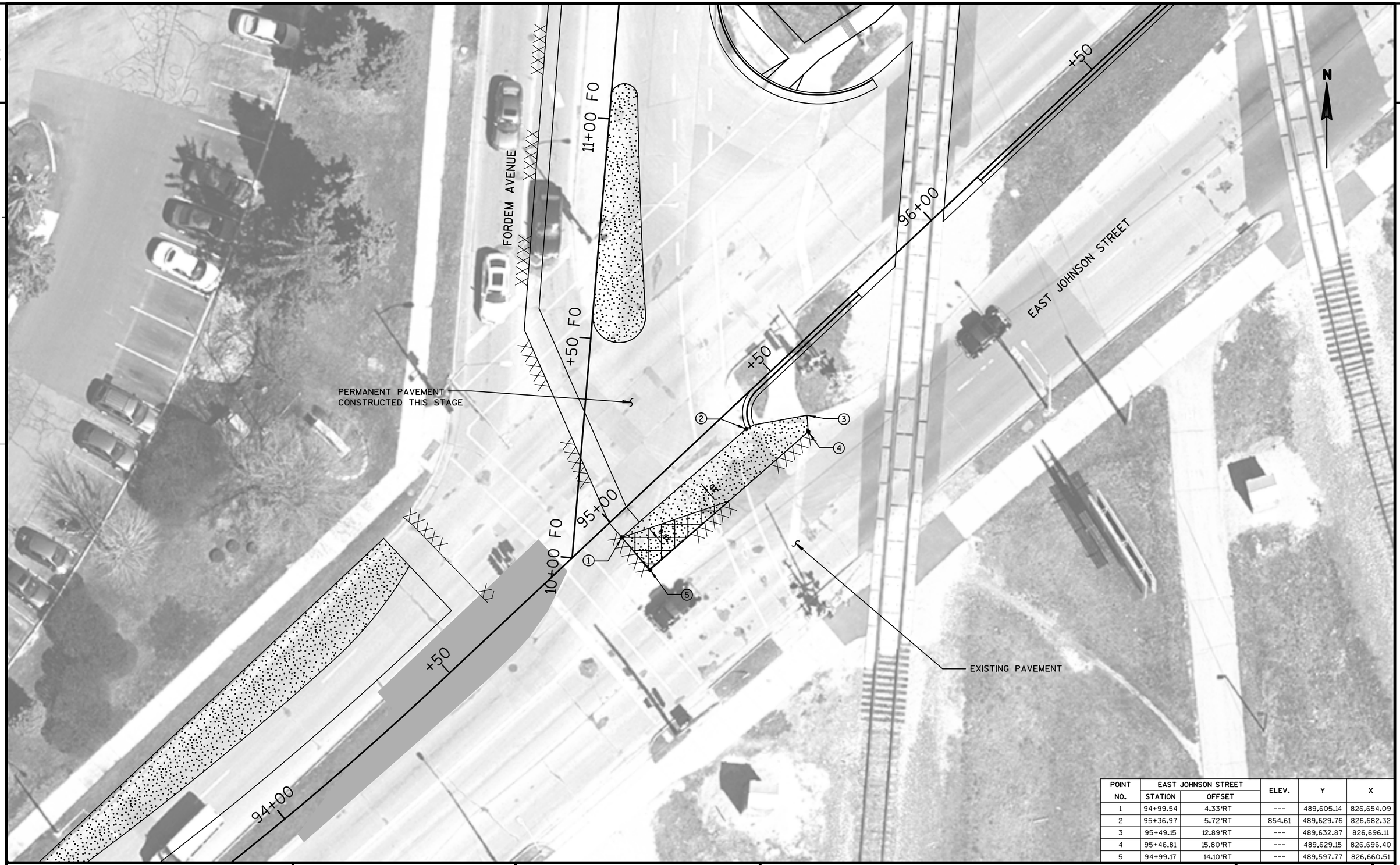
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 2	SHEET	E



TEMPORARY SEEDING AND EROSION MAT URBAN CLASS I TYPE A.

POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	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	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	E

2

N

N. FEW ST.

N. GORHAM ST.

MATCHLINE B

MATCHLINE A

E. JOHNSON STREET

150'

125'

50'

65'

30'

RT-4W

RT-8W

WOL-4R

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

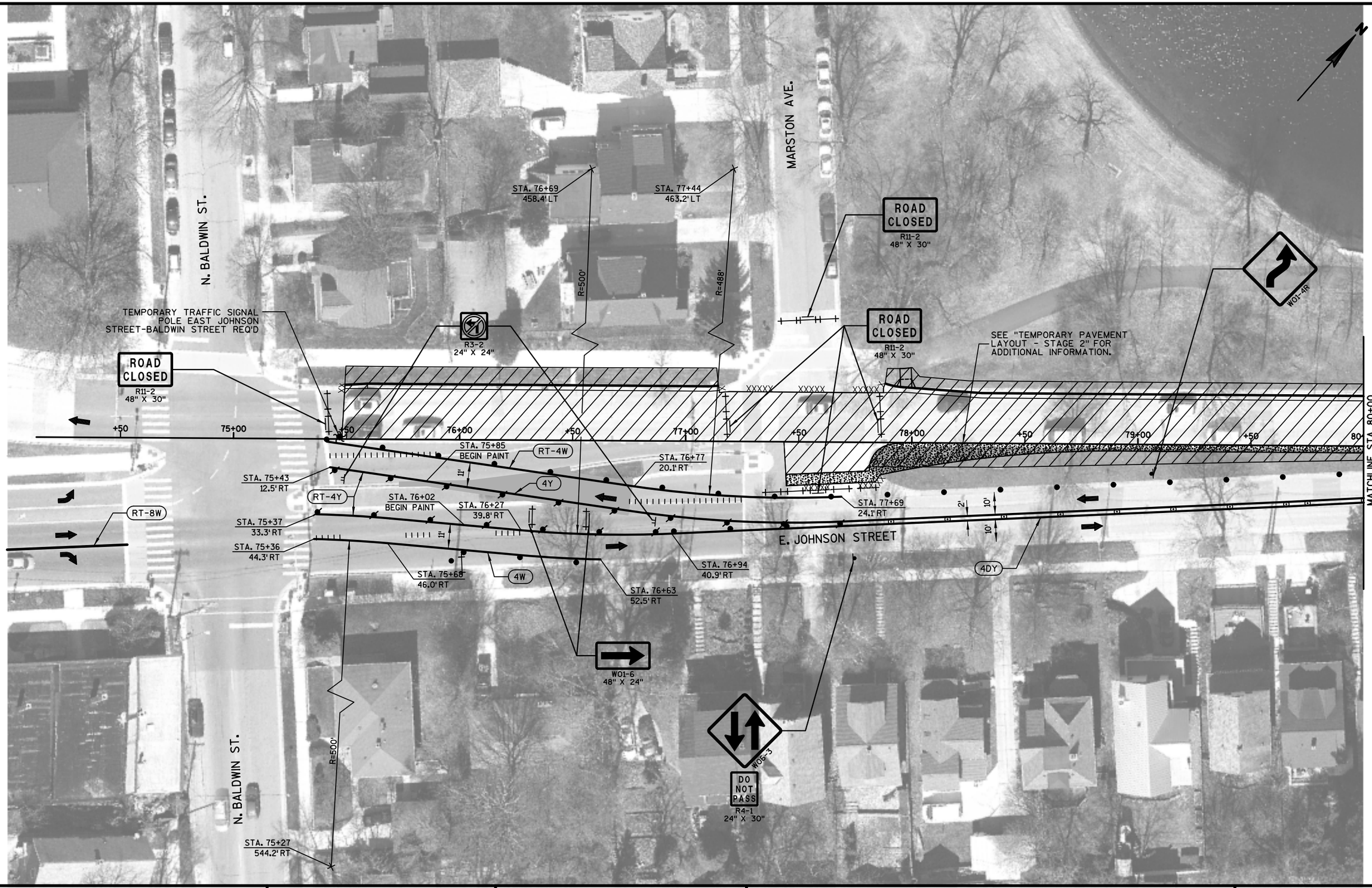
LANE CLOSED
R11-2L
48" X 30"

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



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

*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 STA. 86+00

*
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 : $$.....plotscale.....$$

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 PL

+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

*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

N

MATCHLINE STAGE 2 STA. 12+00 FO

FORDEM AVE.

RT-4DY

STA. 11+55 FO
0.2' RT

STA. 11+39 FO
BEGIN TAPE

RT-4W

4DY

4W

STA. 10+77 FO
2.6' RT

MAINTAIN AREA FOR BUS PULL-OUT AND MAINTAIN PEDESTRIAN ACCESS TO TEMPORARY BUS STOP.

LANE CLOSED
R11-2L
48" X 30"

MOVING SIGN REQ'D.

RAILROAD FLAGGING REQ'D

STA. 10+59 FO
17.1' LT

SL-18

STA. 10+46 FO
28.3' LT

LANE CLOSED
R11-2L
48" X 30"

W6-4
12" X 18"

W06-3

DO NOT PASS
R4-1
24" X 30"

STA. 94+83
33.3' LT

STA. 94+78
13.4' LT

STA. 94+78
35.3' LT

STA. 94+44
2.1' LT

STA. 94+68
2.2' LT

STA. 94+92
38.6' LT
5' (TYP.)

8W

STA. 94+83
4.6' LT

4Y
5' SEG.
5' GAP

R=40'

10' (TYP.)

STA. 95+52
17.1' LT

STA. 95+55
30.7' RT

STA. 96+00
33.8' RT

STA. 97+16
26.9' RT

STA. 97+10
36.8' RT

STA. 94+01
7.0' RT

STA. 93+39
22.3' RT

STA. 93+39
32.3' RT

E. JOHNSON STREET

STA. 92+24
31.8' RT

STA. 94+78
18.4' RT

STA. 94+85
41.2' RT

STA. 94+90
40.5' RT

**REMOVE EXISTING MARKINGS

W6-4
12" X 18"

STA. 95+90
34.4' RT

STA. 97+10
36.8' RT

R3-8E
36" X 30"

MARKING RAILROAD CROSSING PAINT

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

STOP HERE ON RED
R10-6
24" X 36"

W06-3

DO NOT PASS
R4-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STAGE 2 STA. 92+00

MATCHLINE STAGE 2 STA. 98+00

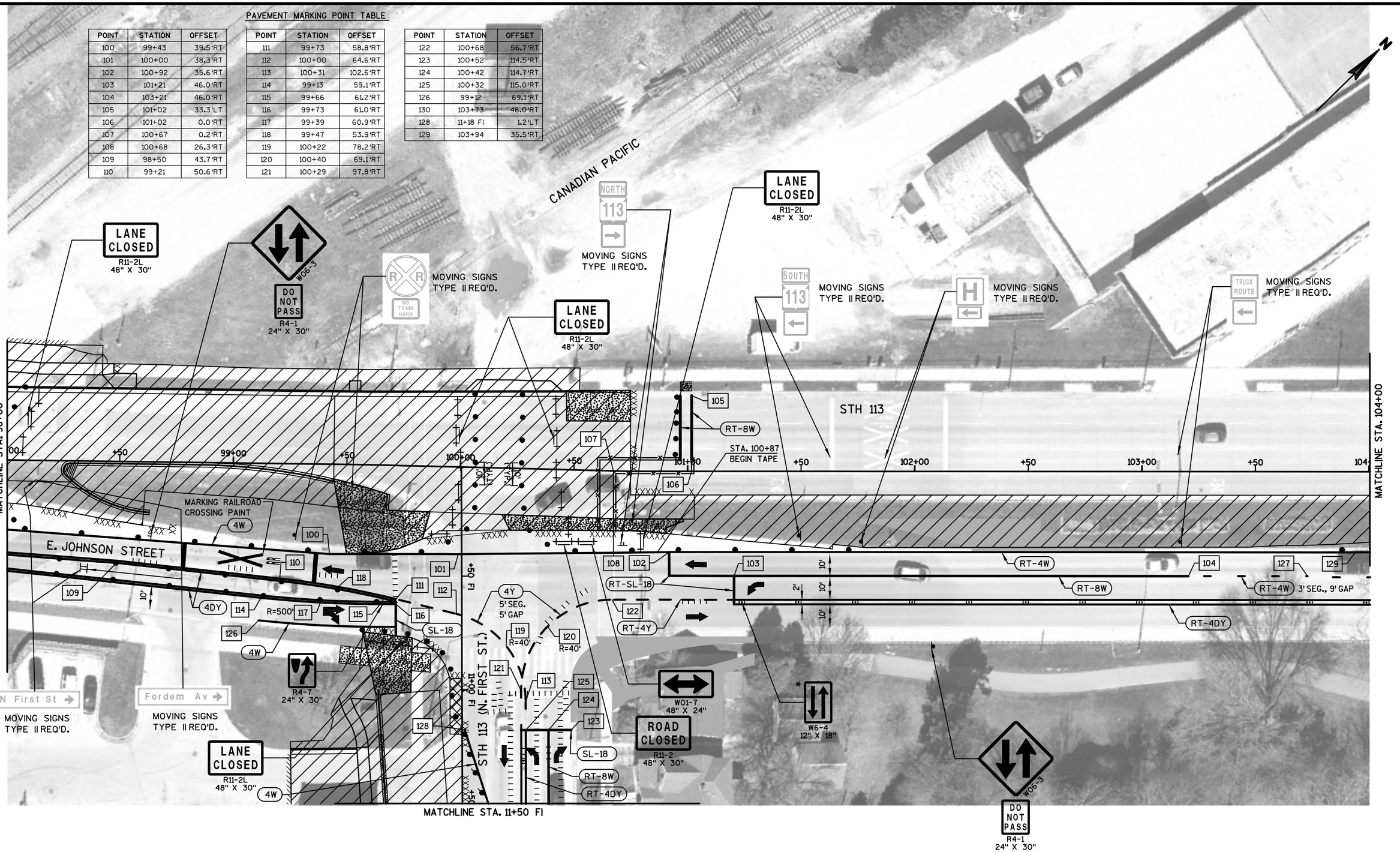
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

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

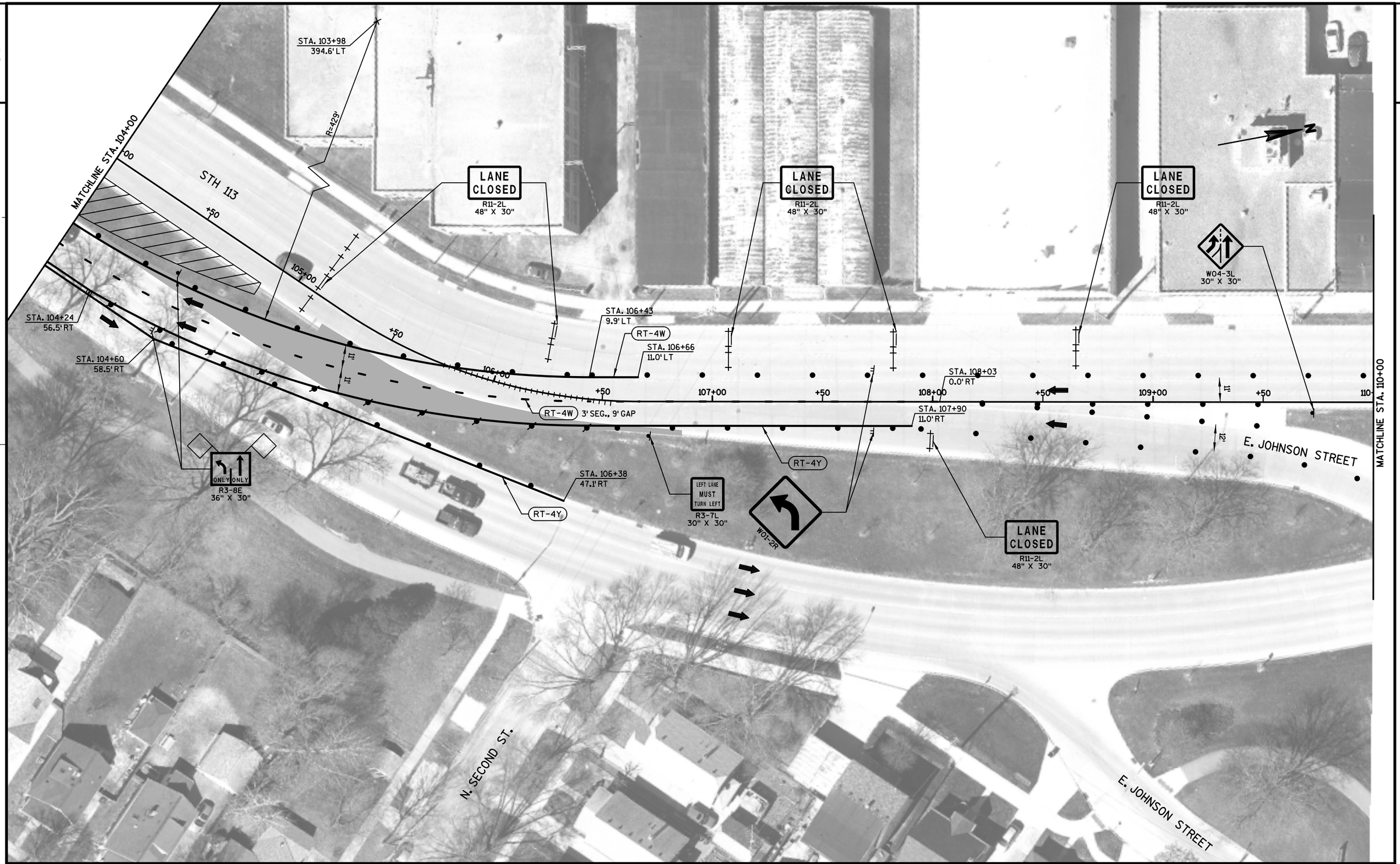
POINT	STATION	OFFSET
111	99+73	58.8'RT
112	100+00	64.6'RT
113	100+31	102.6'RT
114	99+13	59.1'RT
115	99+66	61.2'RT
116	99+73	61.0'RT
117	99+39	60.9'RT
118	99+47	53.9'RT
119	100+22	78.2'RT
120	100+40	69.1'RT
121	100+29	97.8'RT

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



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

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	E

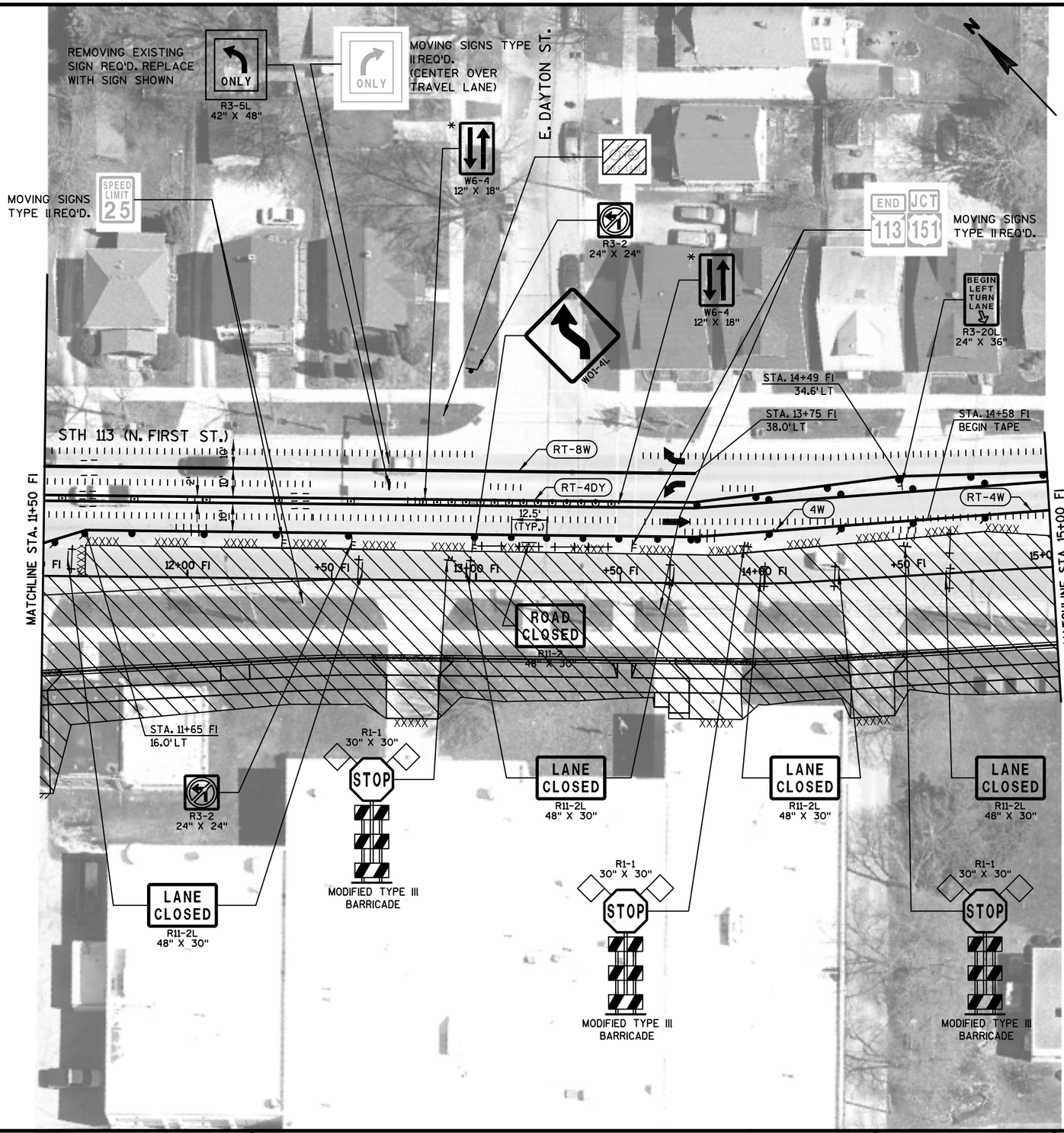
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

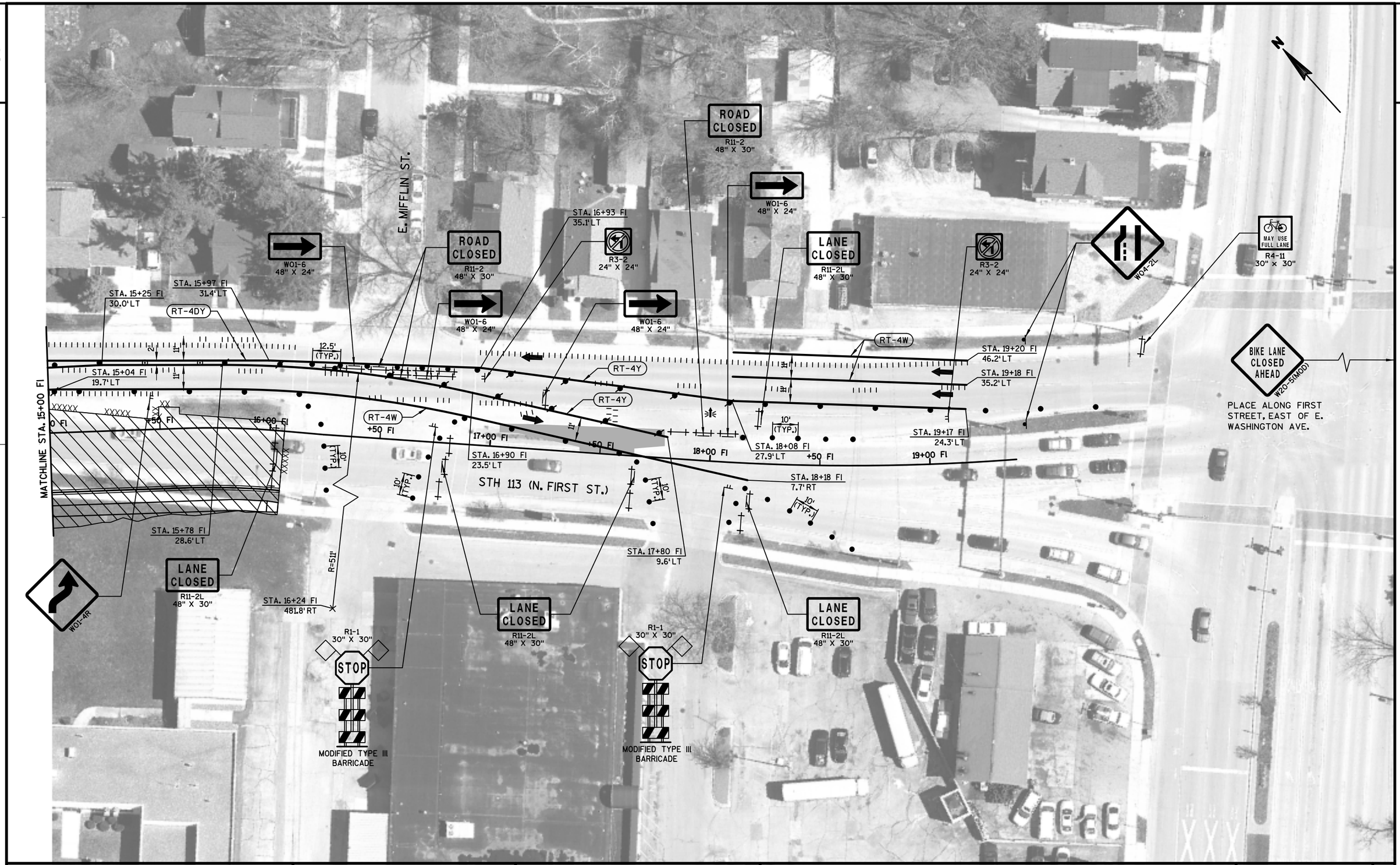
2

*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

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

MATCHLINE 1

R3-60R
30" X 36"

LANE CLOSED
R11-2L
48" X 30"

N. THIRD ST.

E. JOHNSON STREET

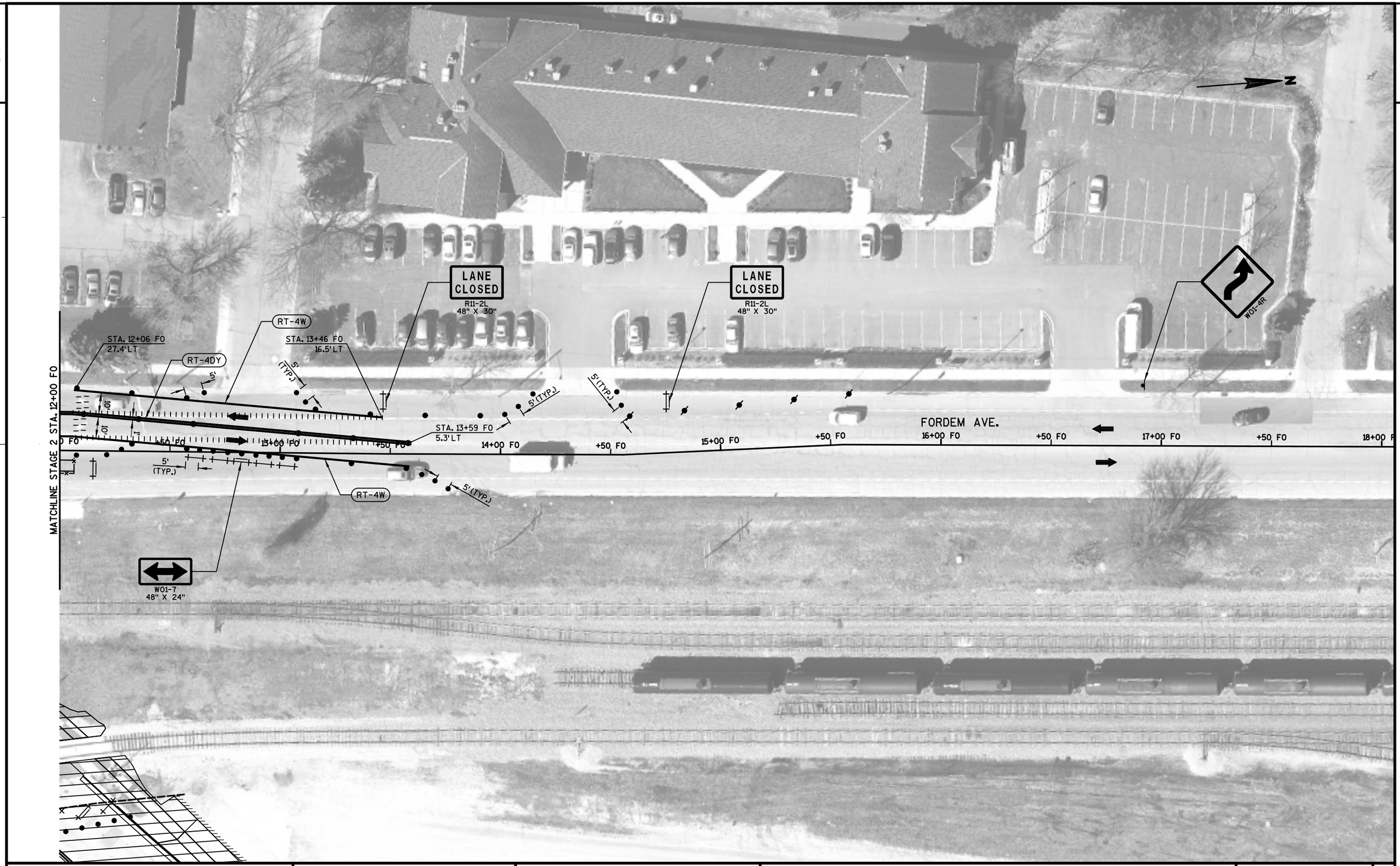
E. JOHNSON STREET

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\026213_s2.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

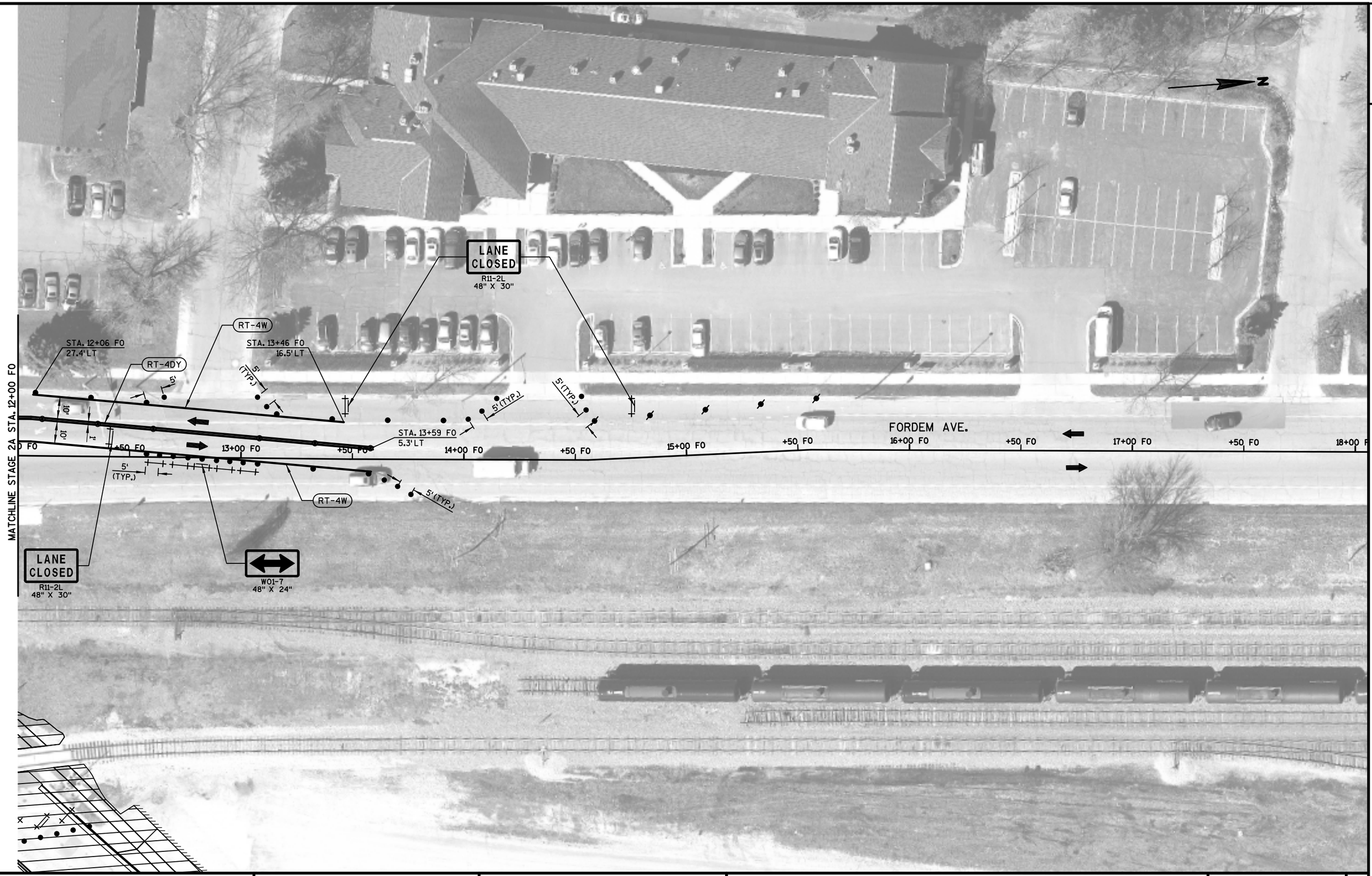


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026221_s2a.dgn PLOT DATE : 7/24/2018 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 2A	SHEET	E

2

2

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STAGE 2B STA. 12+00 FO

TEMPORARY PEDESTRIAN SURFACE ASPHALT

RT-4W

WRONG WAY
R5-1A
42" X 30"

STA. 11+55 FO
11.3'LT

STA. 11+39 FO
BEGIN TAPE

SL-18

FORDEM AVE.

STA. 10+90 FO
1.6'LT

STA. 95+41
61.3'LT

RT-4DY

4W

4DY

LANE CLOSED
R11-2L
48" X 30"

WISCONSIN & SOUTHERN RAILROAD

SIGN MOVED IN PREVIOUS STAGE (STAGE 2)

W06-3

DO NOT PASS
R4-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA. 95+57
44.0'LT

STA. 11+70 FO

8W

MATCHLINE STAGE 2 STA. 92+00

+50

93+00

+50

94+00

+50

+50 FO

95+00

STA. 95+70
21.6'LT

STA. 95+70
21.6'LT

10' (TYP.)

+50

96+00

+50

97+00

+50

98

MATCHLINE STAGE 2 STA. 98+00

4W

STA. 93+90
17.3'RT

4DY

E. JOHNSON STREET

STA. 94+53
17.5'RT

8W

SEE STG. 2 FOR PAVEMENT MARKING DETAILS

R3-2
24" X 24"

R3-2
24" X 24"

*

W6-4
12" X 18"

SL-18

STA. 94+77
40.4'RT

DO NOT ENTER
R5-1
36" X 36"

*

W6-4
12" X 18"

STOP HERE ON RED
R10-6
24" X 36"

R3-1
24" X 24"

W06-3

DO NOT PASS
R4-1
24" X 30"

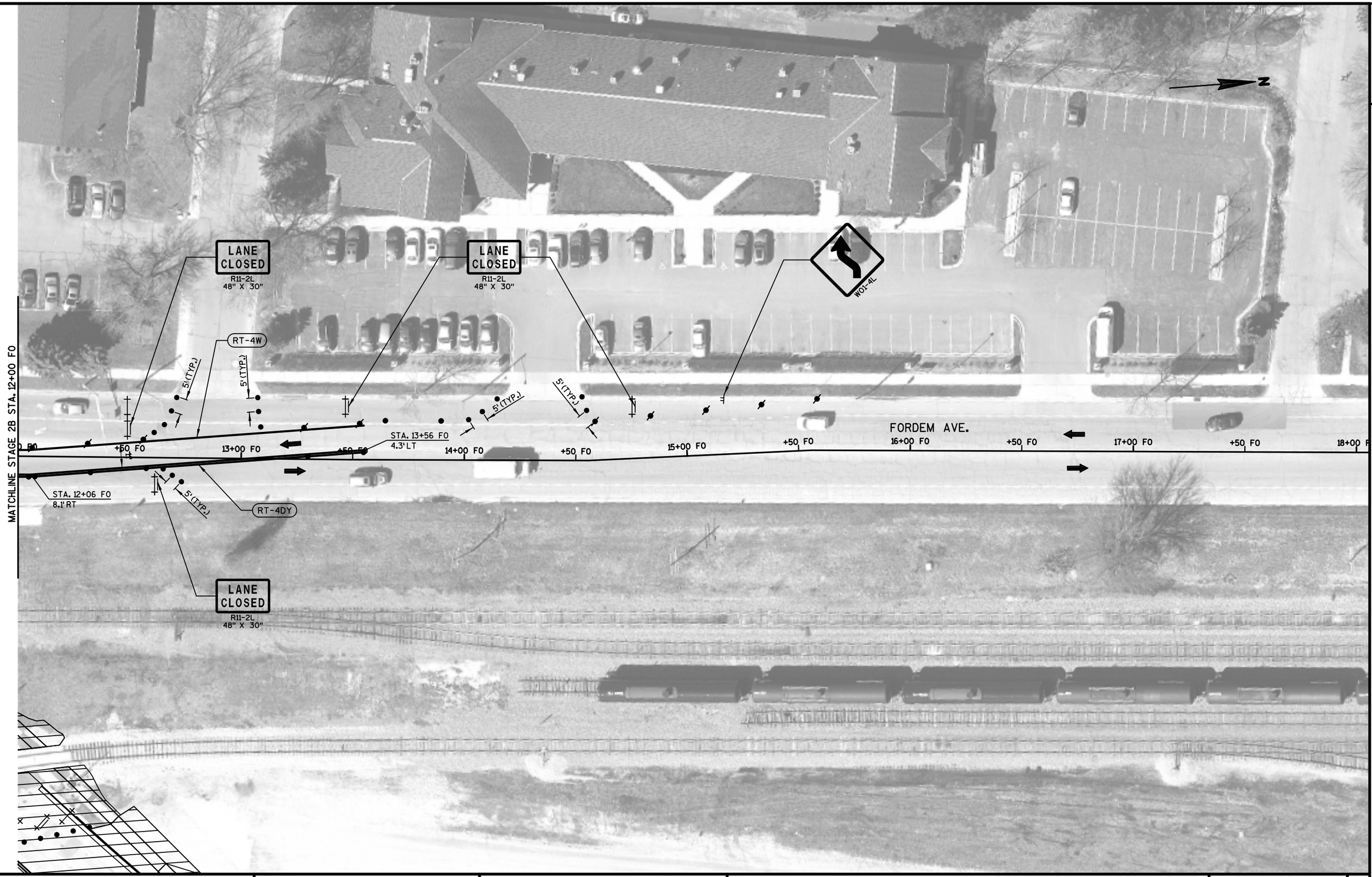
WISCONSIN & SOUTHERN RAILROAD

LANE CLOSED
R11-2L
48" X 30"

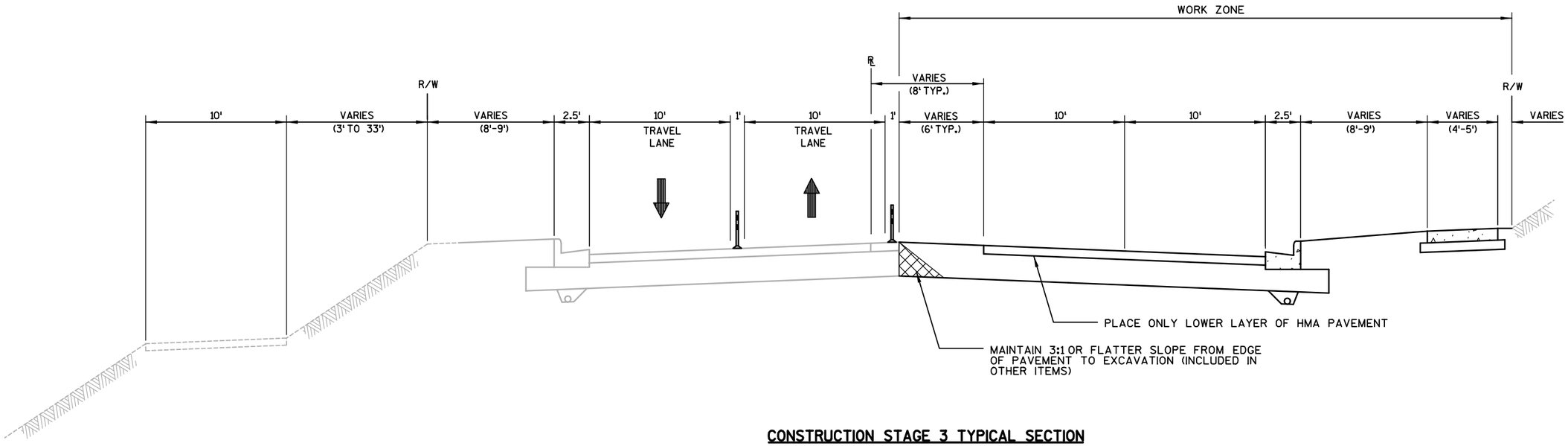
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E

2

2

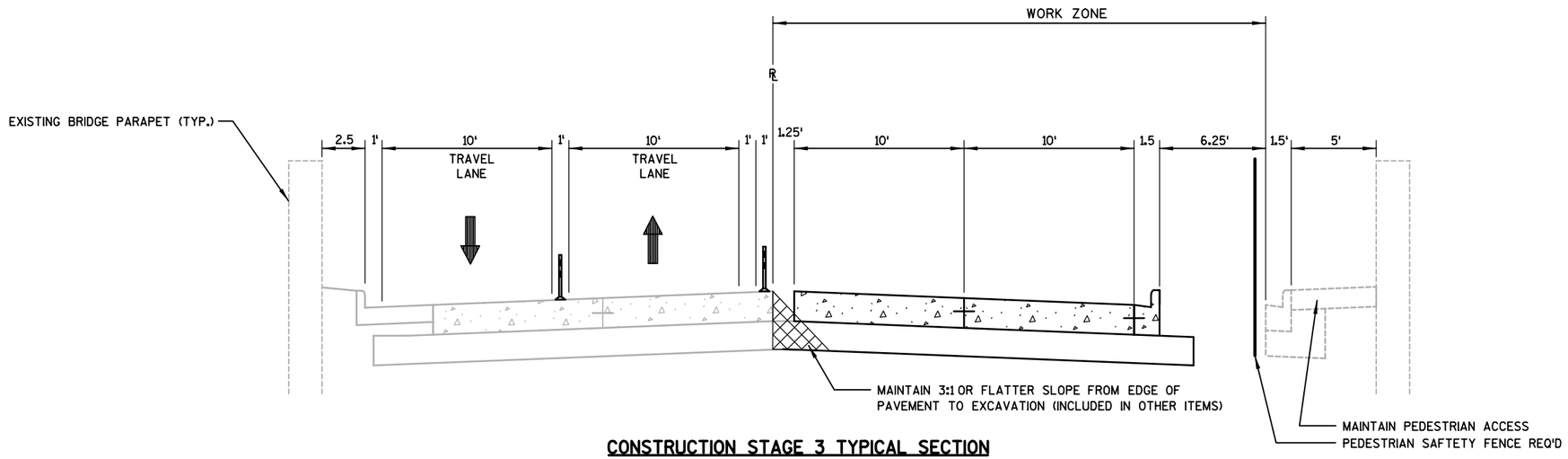


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E



CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET

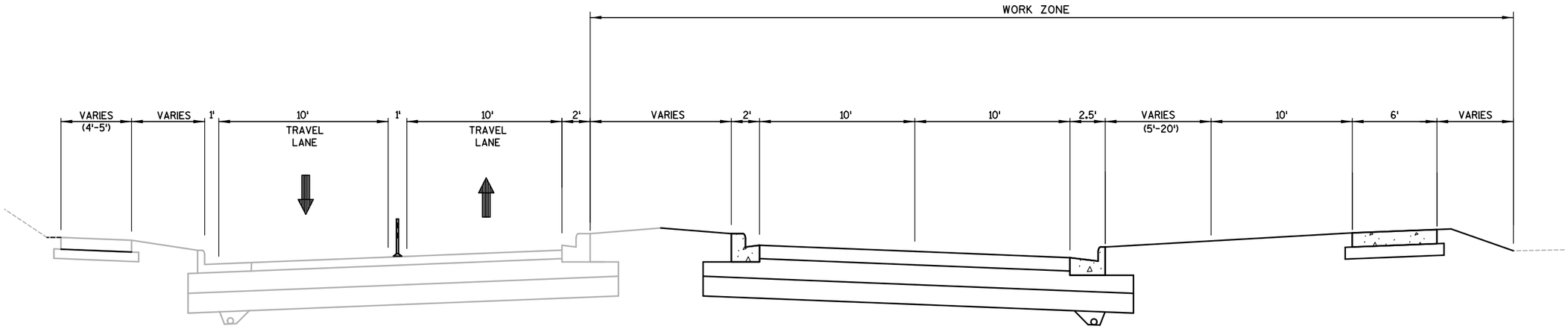
STA. 77+43 - STA. 87+90



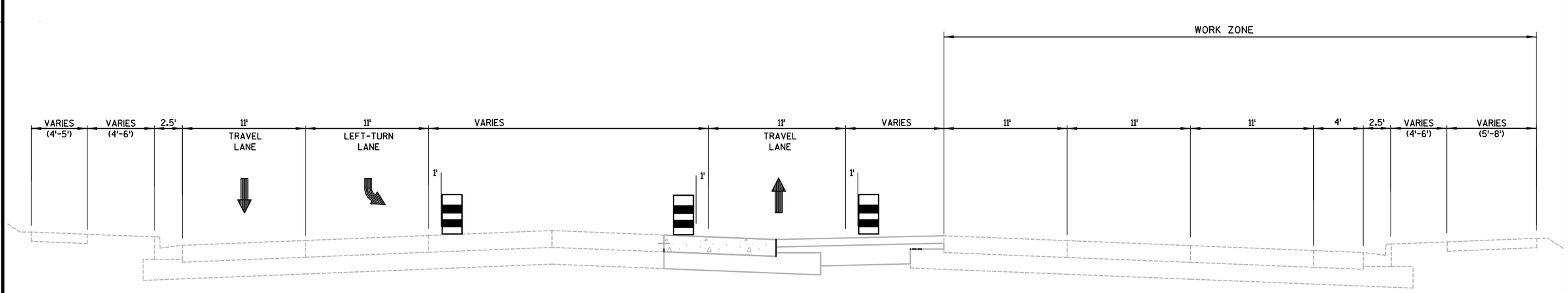
CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET

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

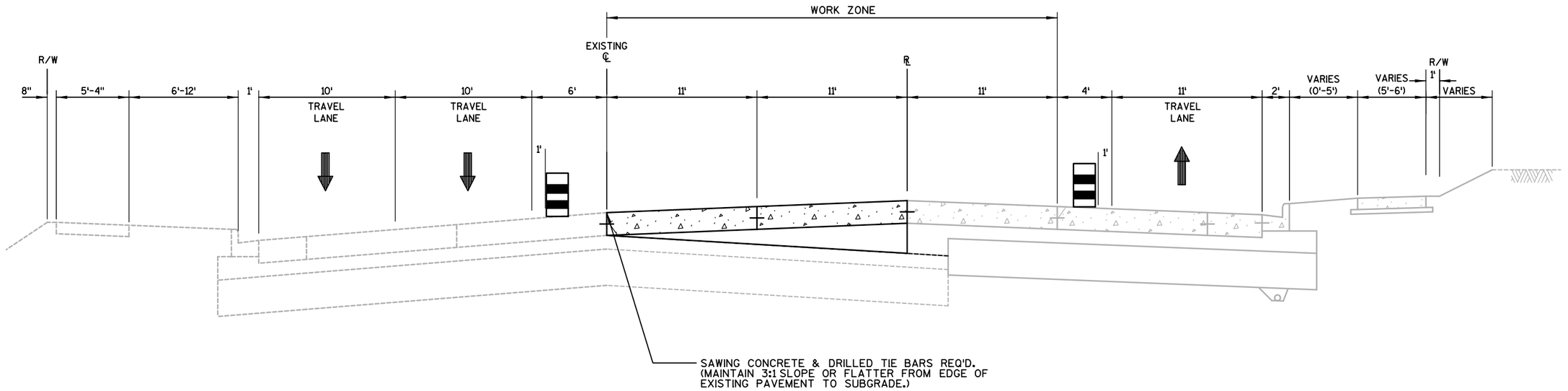


CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00



CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

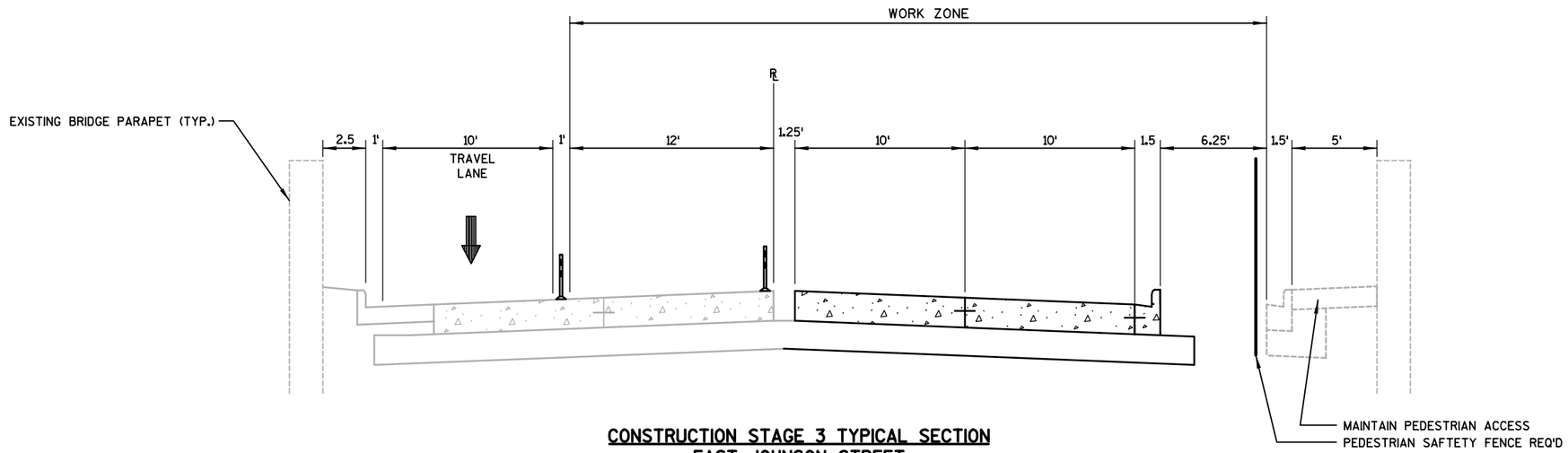
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET	E



CONSTRUCTION STAGE 3 TYPICAL SECTION
STH 113 (FIRST STREET)

STA. 10+80 - STA. 16+07

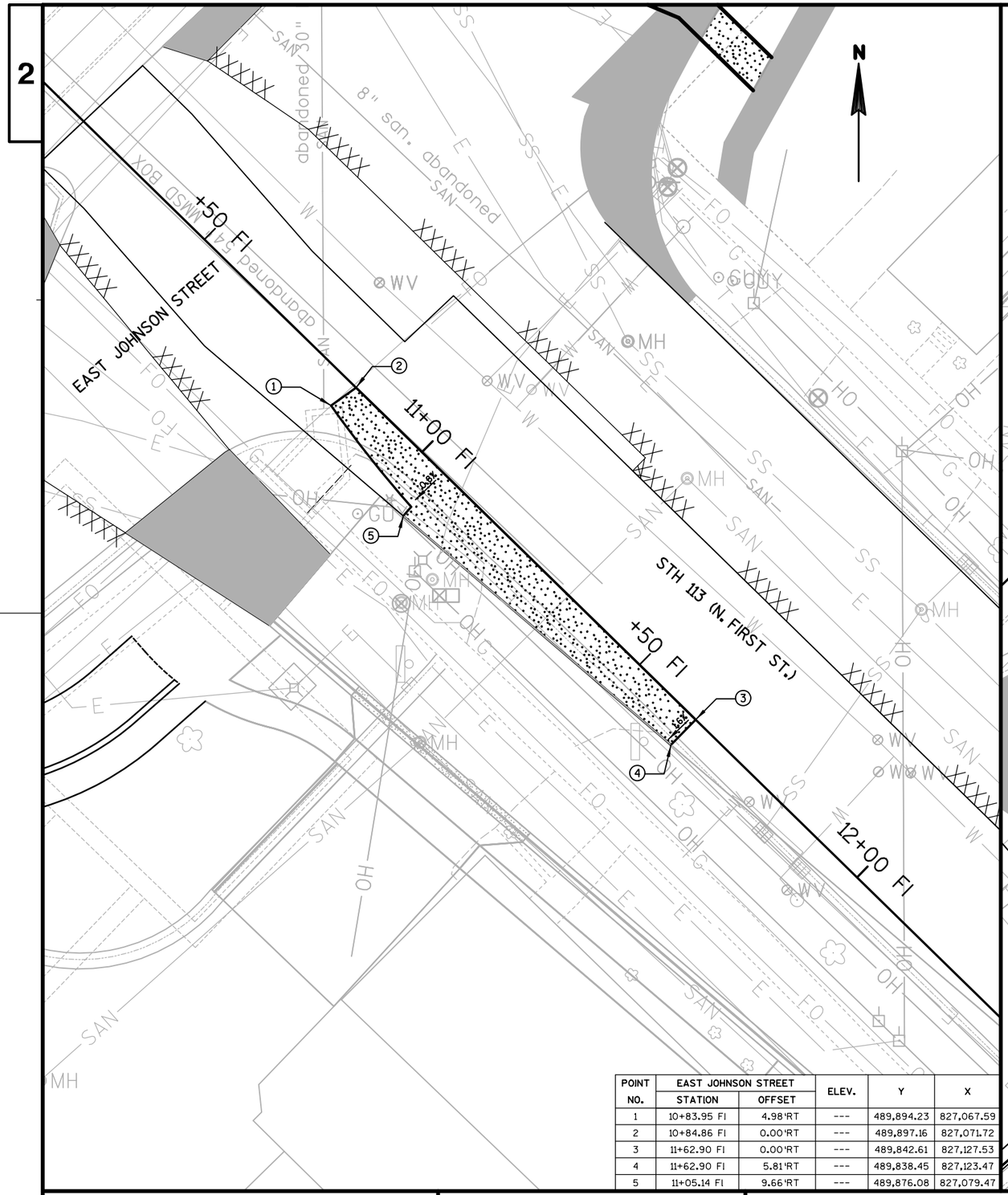
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET	E



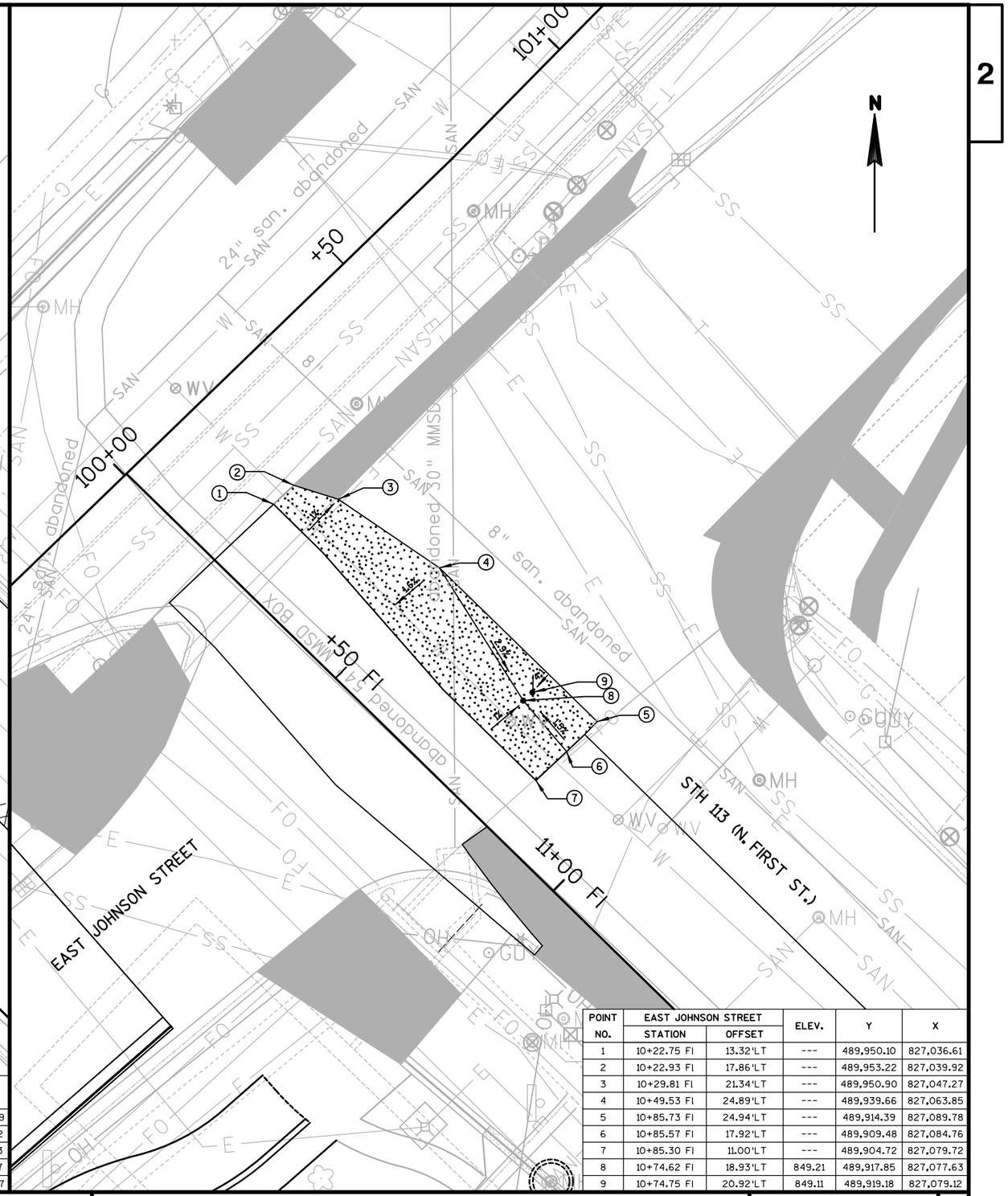
CONSTRUCTION STAGE 3 TYPICAL SECTION
EAST JOHNSON STREET
WITH EASTBOUND CLOSURE AND DETOUR

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	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

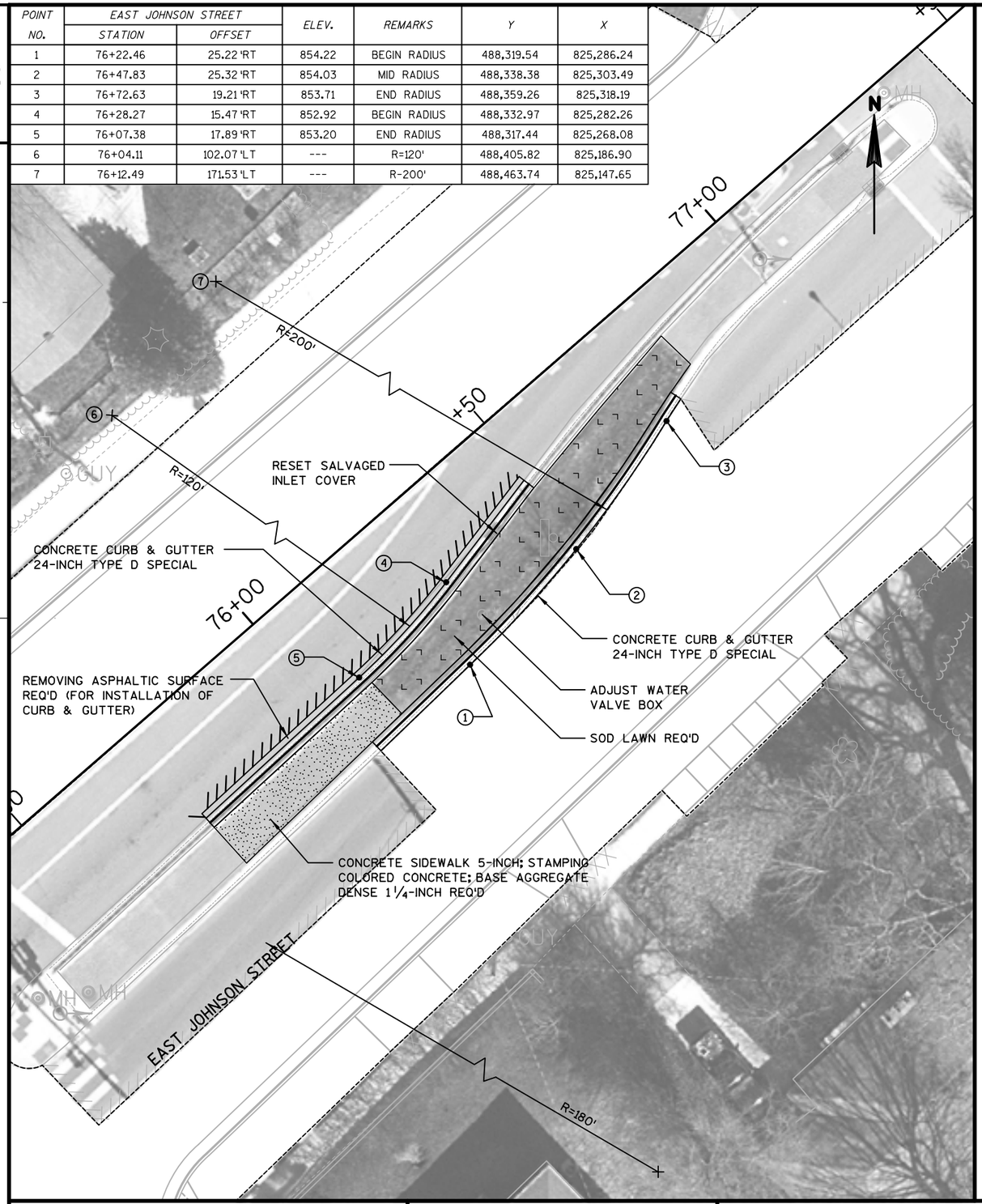


POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	Y	X
1	10+22.75 Fl	13.32'LT	---	489,950.10	827,036.61
2	10+22.93 Fl	17.86'LT	---	489,953.22	827,039.92
3	10+29.81 Fl	21.34'LT	---	489,950.90	827,047.27
4	10+49.53 Fl	24.89'LT	---	489,939.66	827,063.85
5	10+85.73 Fl	24.94'LT	---	489,914.39	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

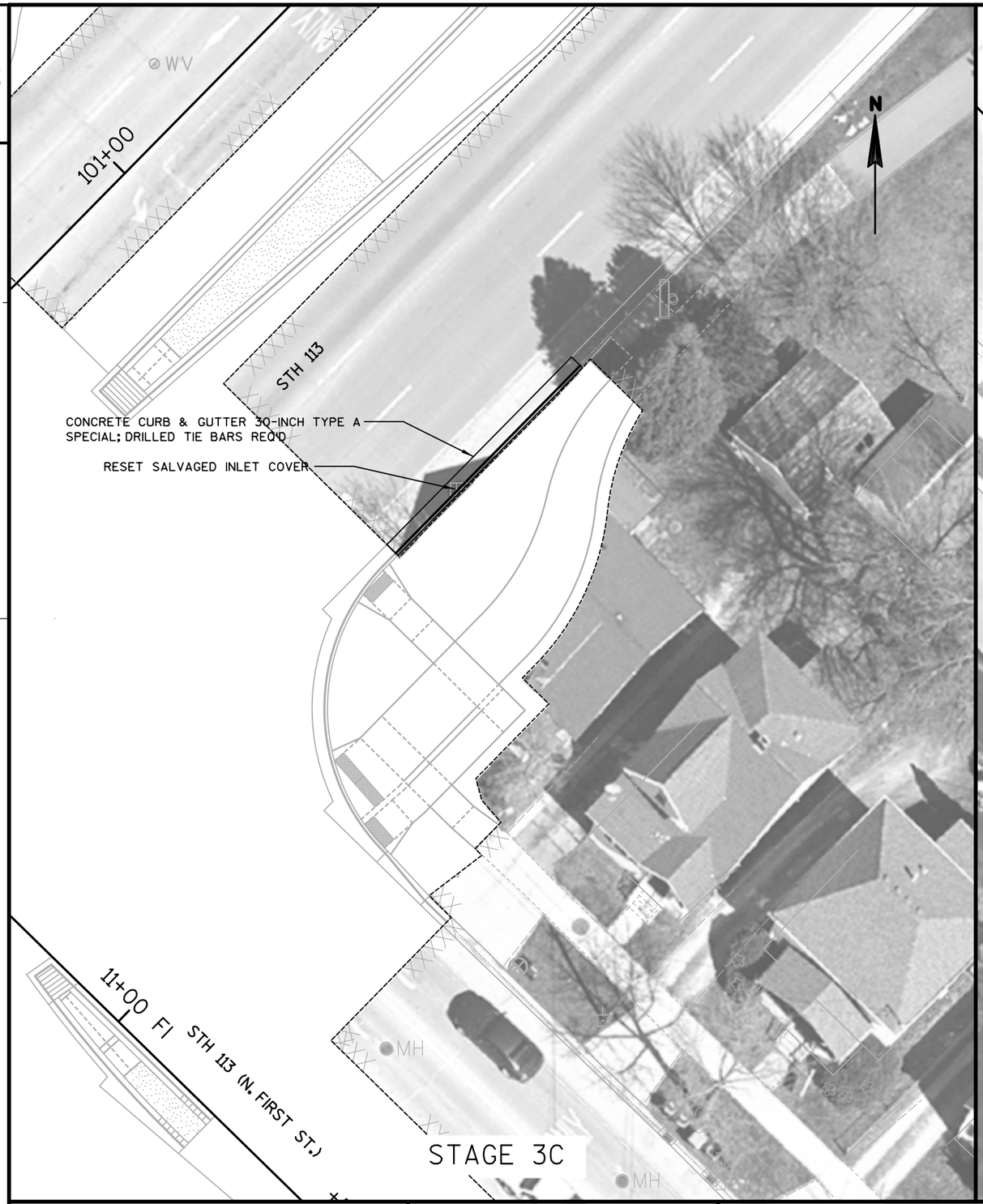
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 3 & 3A	SHEET	E

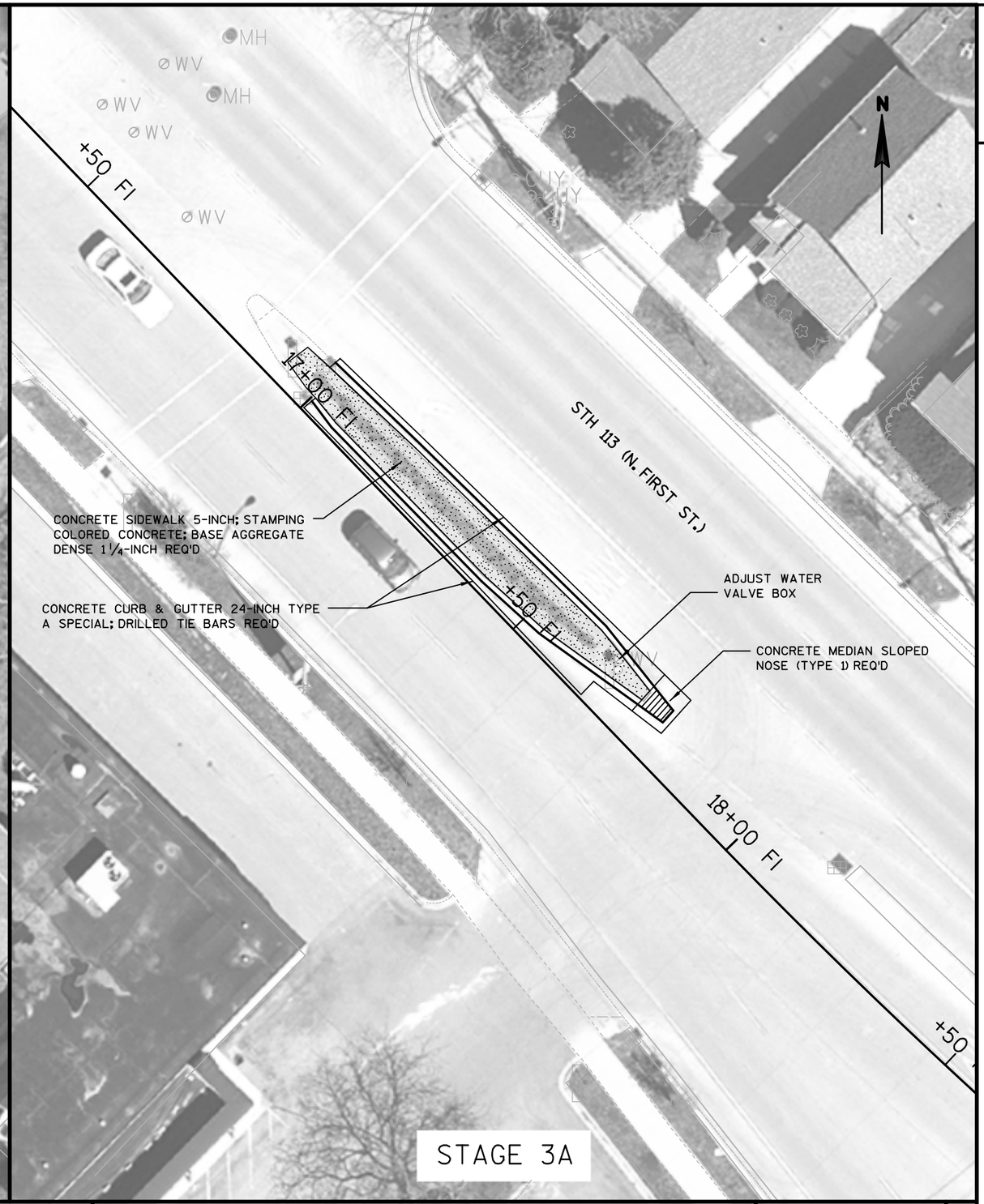
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POINT NO.	EAST JOHNSON STREET STATION	EAST JOHNSON STREET OFFSET	ELEV.	REMARKS	Y	X
1	76+22.46	25.22 'RT	854.22	BEGIN RADIUS	488,319.54	825,286.24
2	76+47.83	25.32 'RT	854.03	MID RADIUS	488,338.38	825,303.49
3	76+72.63	19.21 'RT	853.71	END RADIUS	488,359.26	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





2

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	TEMPORARY PAVEMENT RESTORATION - STAGE 3	SHEET	E



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 : $$.....plotscale.....$$

2

TEMPORARY TRAFFIC SIGNAL
POLE EAST JOHNSON
STREET-BALDWIN STREET REQ'D

N. BALDWIN ST.

MARSTON AVE.

E. JOHNSON STREET

W01-6
48" X 24"

R3-2
24" X 24"

LANE
CLOSED
R11-2L
48" X 30"

ROAD
CLOSED
R11-2
48" X 30"

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

MATCHLINE STA. 80+00

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 : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

N. BALDWIN ST.

MARSTON AVE.

E. JOHNSON STREET

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

RT-4Y

RT-4W

RT-8W

STA. 76+28
30.0' RT

STA. 75+37
44.2' RT

5'
(TYP.)

11'

1'

10'

STA. 78+96
1' RT

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

STA. 77+44
BEGIN PAINT

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

R=511'

STA. 79+06
499.0' RT

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

MATCHLINE STA. 80+00

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\026303a_s3.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

TENNEY PARK LAGOON

R3-2
24" X 24"

W06-3
DO NOT PASS
R4-1
24" X 30"

MATCHLINE STA. 80+00

4DY

E. JOHNSON STREET

4W

80+00 +50 81+00 +50 82+00 +50 83+00 +50 84+00 +50 85+00 +50 86+00

10' 11' 10' 11'

MATCHLINE STA. 86+00

R3-1
24" X 24"

N. DICKINSON ST.

ROAD CLOSED
R11-2
48" X 30"

2

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

2



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

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

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

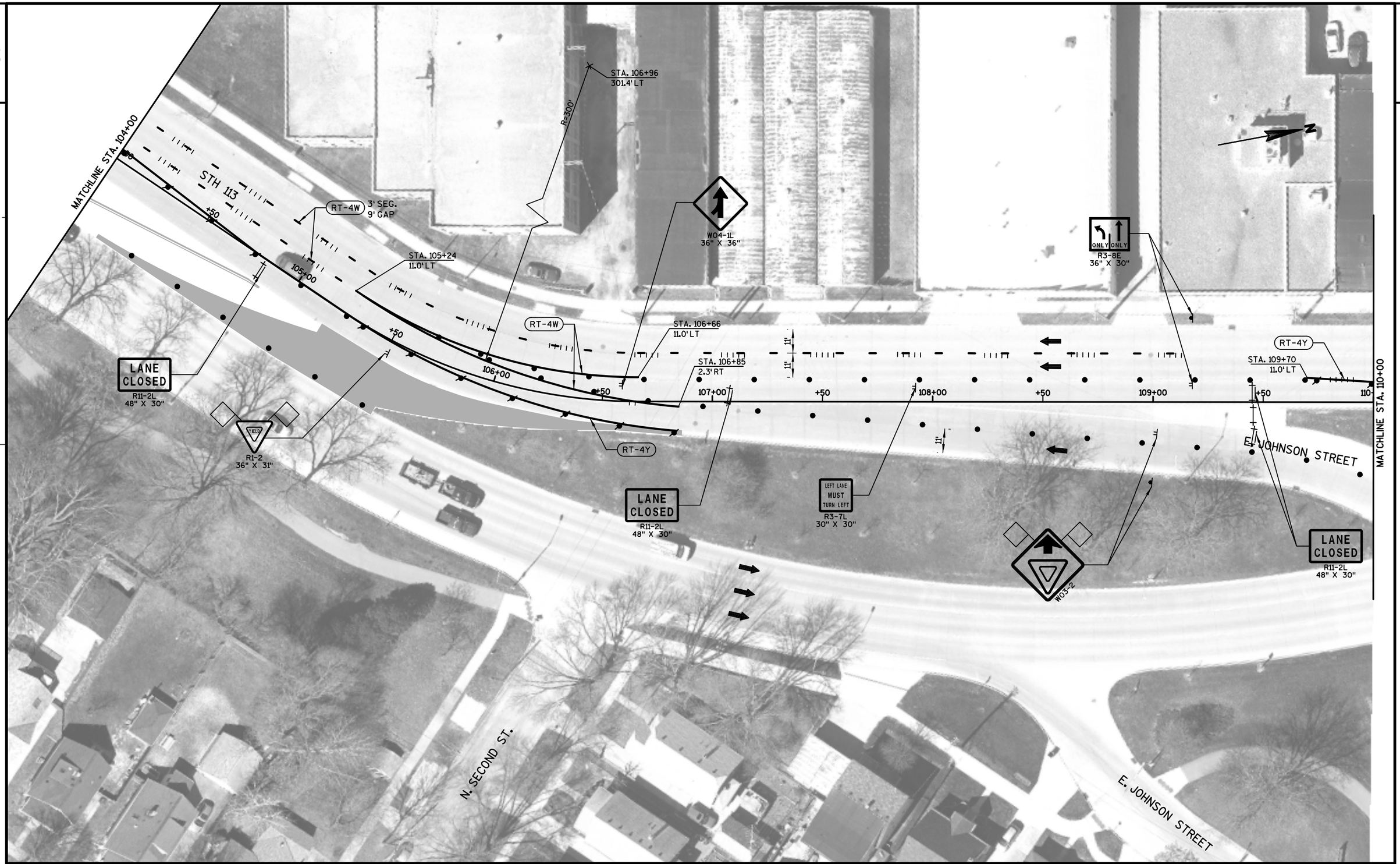
POINT	STATION	OFFSET
322	100+55	82.0'RT
323	100+93	88.7'RT
324	100+39	21.9'RT
325	100+55	6.5'RT
326	100+54	21.4'RT
327	100+68	25.3'RT
328	10+48 FI	38.0'LT
329	10+52 FI	28.0'LT
330	10+11 FI	9.4'LT
331	10+10 FI	9.7'RT
332	10+48 FI	20.7'RT

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
RT-8W
RT-4W
3' SEG. 9' GAP
8W
4W
10' SPACING TYP.
5' SPACING TYP.
5' (TYP.)
R3-1 24" X 24"
WO4-3 36" X 36"
WO1-4R
STH 113 (N. FIRST ST.)
+50 FI
NORTH 113
MOVING SIGNS TYPE II REQ'D.
TEMPORARY PEDESTRIAN SURFACE ASPHALT
SEE "TEMPORARY PAVEMENT LAYOUT - STAGE 3" FOR ADDITIONAL INFORMATION.
MATCHLINE STA. 98+00
MATCHLINE STA. 11+50 FI
MATCHLINE STA. 104+00
STH 113
99+00
100+00
101+00
102+00
103+00
104+00
+50
10'
11'
15'

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

2



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

UTILIZE SINGLE LANE CLOSURE. SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS.

N

STH 113

RT-4Y

STA. 111+50
0.0' RT

MATCHLINE STA. 110+00

-00 +50 111+00 +50 112+00 +50 113+00 +50 114+00 +50 115+00 +50 116+

STH 113

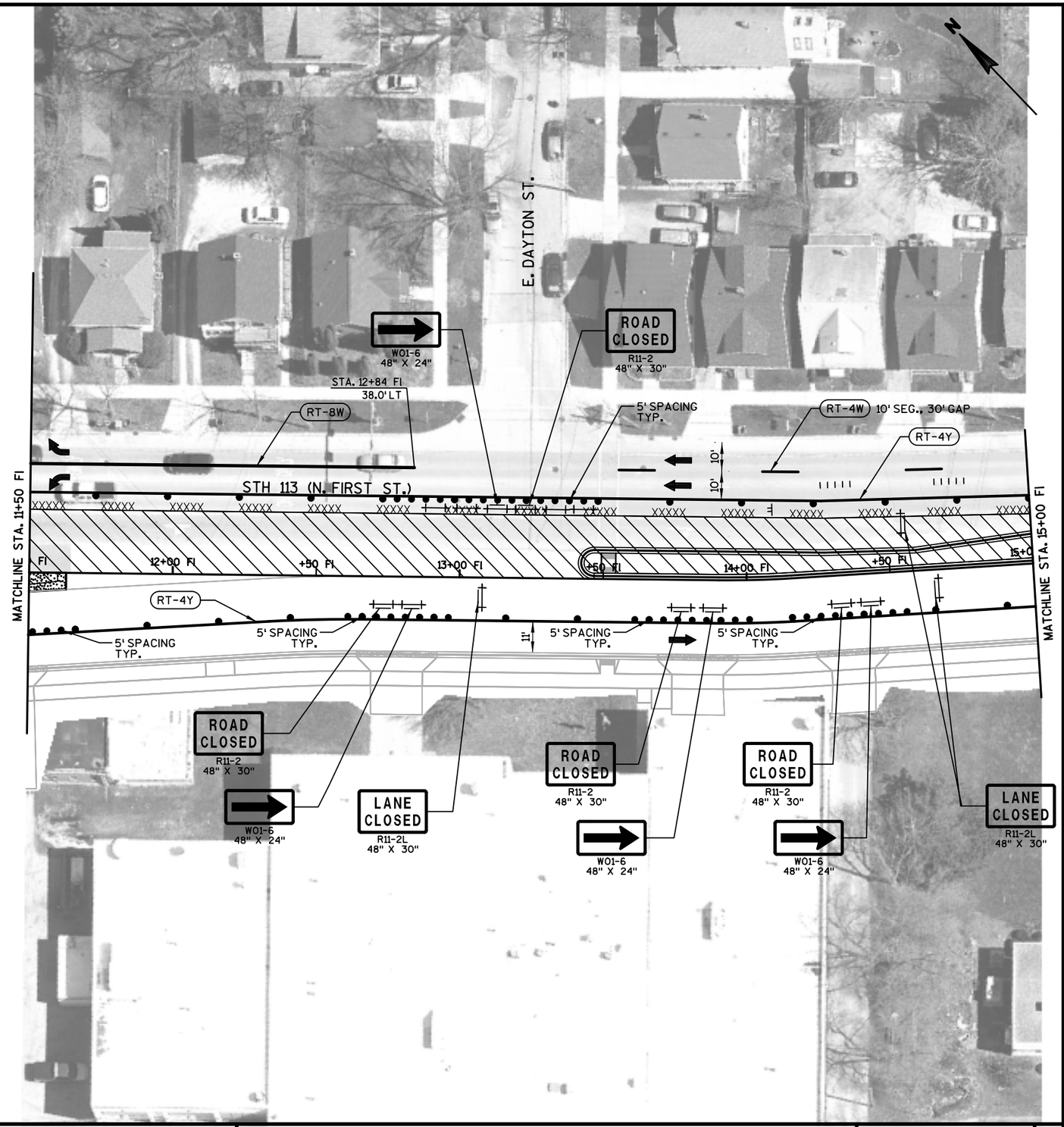
LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

N. THIRD ST.

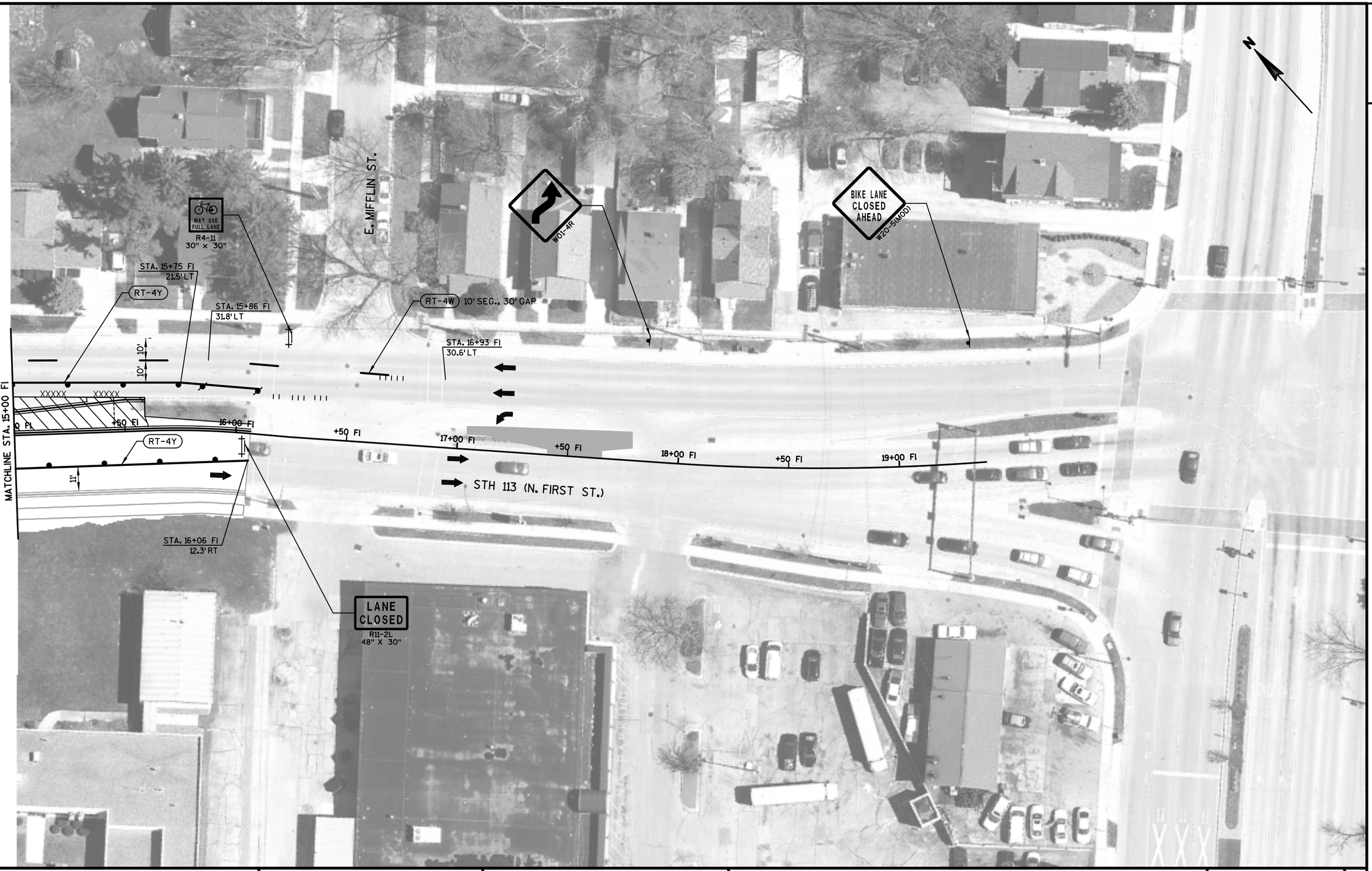
PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

2



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

2



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

2



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

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.

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"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

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"

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

NOTE: SEE STAGE 3 FOR ADDITIONAL PAVEMENT MARKING INFORMATION

N

E. MIFFLIN ST.

LANE CLOSED
R11-2(MOD)
48" X 30"

W01-6
48" X 24"

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'

+50 FI

16+00 FI

+50 FI

17+00 FI

+50 FI

18+00 FI

+50 FI

19+00 FI

MATCHLINE STAGE 3A STA. 15+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	E

MATCHLINE STAGE 3 STA. 102+00

NOTE: SEE STAGE 3 FOR ADDITIONAL PAVEMENT MARKING INFORMATION

STH 113

LANE CLOSED
R11-2L
48" X 30"

UNCOVER SIGN

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

11+00 FI

+50 FI

12+00 FI

+50 FI

13+00 FI

+50 FI

14+00 FI

+50 FI

15+0

MATCHLINE STAGE 3B STA. 15+00 FI

R4-7
24" X 30"

STA. 10+21 FI
6.8' RT

RT-4W

STA. 12+34 FI
16.1' RT

RT-4Y

STA. 13+44 FI
0.3' LT

CANADIAN PACIFIC

E. JOHNSON STREET

W01-6
48" X 24"

STA. 12+94 FI
12.1' RT

W01-6
48" X 24"

PERMANENT PAVEMENT MARKINGS

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"

W01-4R

R=500'

STA. 13+27 FI
511.0' RT

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STAGE 3 STA. 98+50

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

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

2

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

R4-7 24" X 30"

414

407

RT-SL-18

R=62'

415

5' SEG., 5' GAP

RT-4Y

404

413

412

R=53'

406

416

420 R=500'

417

418

421 R=520'

RT-8W

419

RT-4Y

E. JOHNSON STREET

CANADIAN PACIFIC

R4-7 24" X 30"

R=41'

411

410

405

400

403

422 R=350'

RT-4Y

402

RT-4W

409

401

408

11+00 FI

12+00 FI

13+00 FI

14+00 FI

15+00 FI

+50 FI

5' SPACING TYP.

STH 113 (N. FIRST ST.)

MATCHLINE STAGE 3C STA. 15+00 FI

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"

W01-6 48" X 24"

W01-6 48" X 24"

LANE CLOSED R11-2L 48" X 30"

ROAD CLOSED R11-2 48" X 30"

PERMANENT PAVEMENT MARKINGS

W01-4R

MATCHLINE STAGE 3 STA. 98+50

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

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

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

NORTH
M3-1
24" X 12"

100
M1-6
24" X 24"

M6-1
21" X 21"

W01-6
48" X 24"

STA. 10+93 FI
92.0' LT
R=40'

ROAD CLOSED
R11-2
48" X 30"

STA. 10+86 FI
52.6' LT

STA. 10+93 FI
37.0' LT

LANE CLOSED
R11-2L
48" X 30"

R3-1
24" X 24"

RT-8W

SIGN COVERED IN STAGE 3C

UNCOVER SIGN

W012-1D
24" X 24"

NOTE: SEE STAGE 3C FOR ADDITIONAL PAVEMENT MARKING INFORMATION

R3-8F
36" X 30"

E. DAYTON ST.

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

STA. 13+48 FI
37.0' LT

LANE CLOSED
R11-2L
48" X 30"

R4-7
24" X 30"

STA. 100+82
6.4' RT

RT-4W

STA. 100+23
7.3' RT

STA. 100+12
12.0' RT
R=15'

R4-7
24" X 30"

W01-6
48" X 24"

R4-7
24" X 30"

CANADIAN PACIFIC

STA. 100+08
22.7' RT

+50 FI
11+00 FI
+50 FI
12+00 FI
+50 FI
5' SPACING
13+00 FI TYP.
+50 FI
14+00 FI
+50 FI
15+00 FI

STH 113 (N. FIRST ST.)

MATCHLINE STAGE 3D STA. 15+00 FI

E. JOHNSON STREET

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

W01-6
48" X 24"

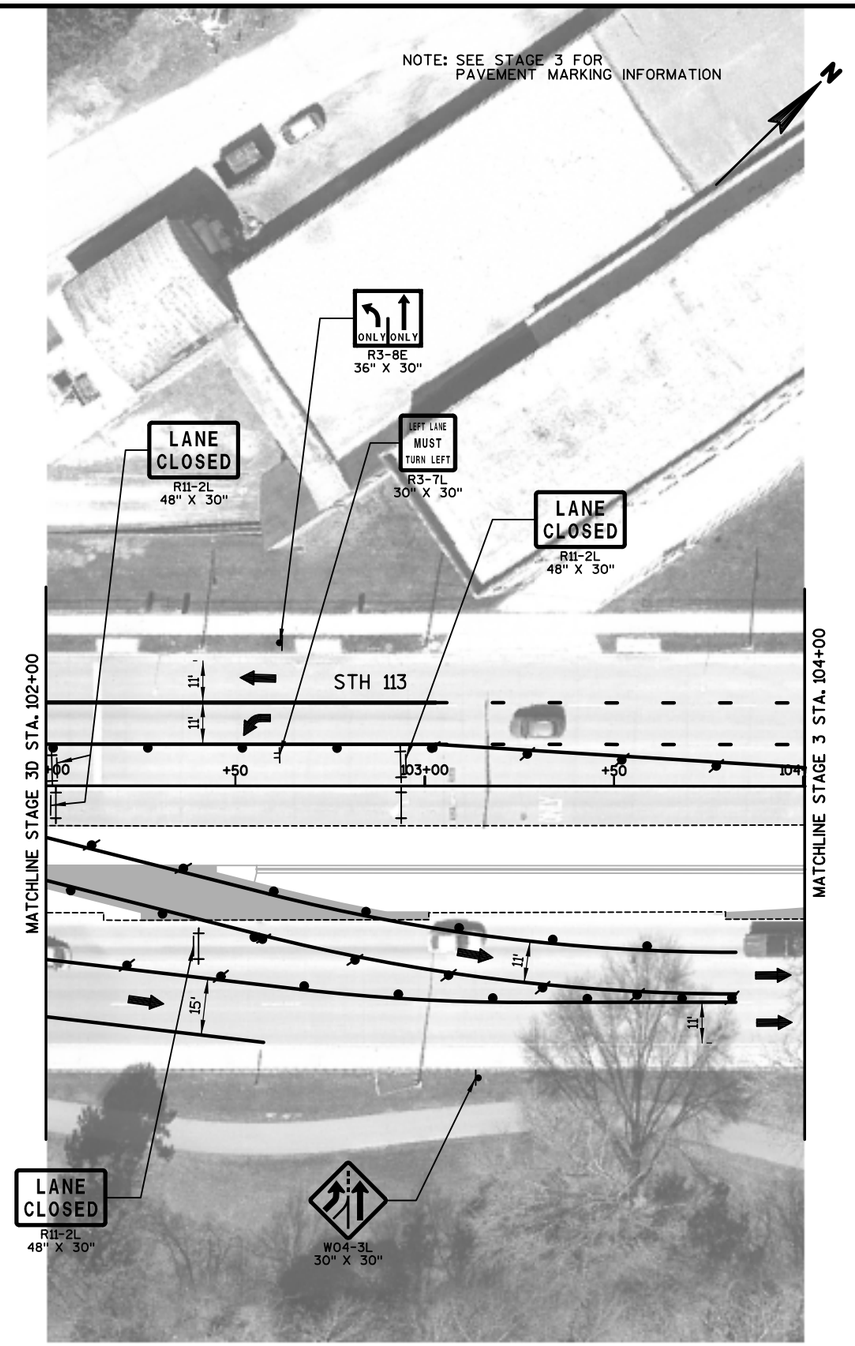
LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

W01-4R

MATCHLINE STAGE 3 STA. 98+50

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



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

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'

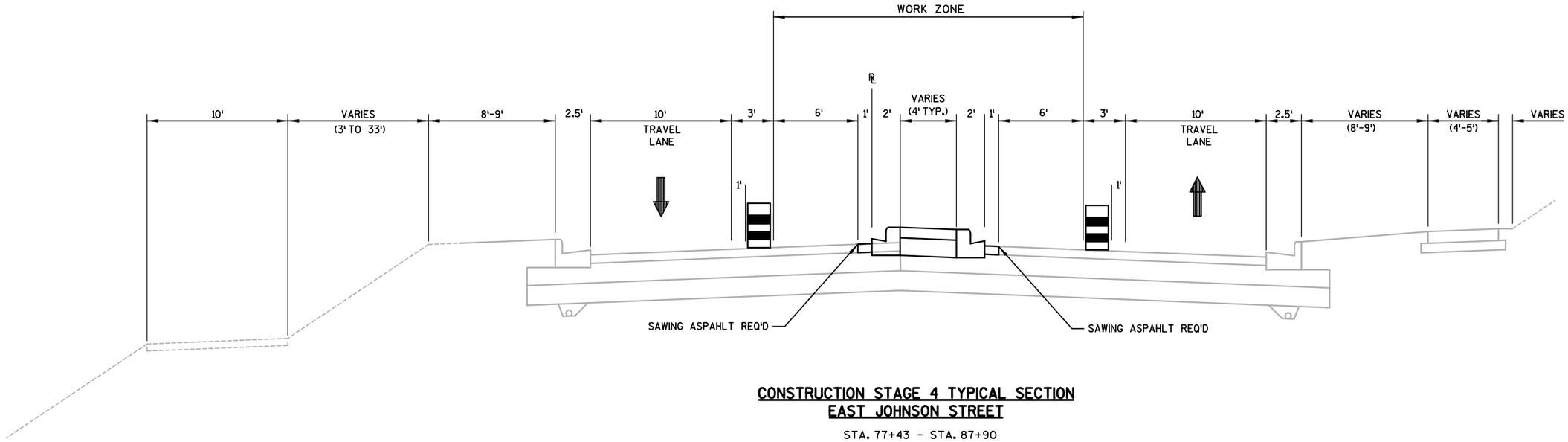
+50 FI
16+00 FI
+50 FI
17+00 FI
+50 FI
18+00 FI
+50 FI
19+00 FI

STH 113 (N. FIRST ST.)

PERMANENT PAVEMENT MARKINGS

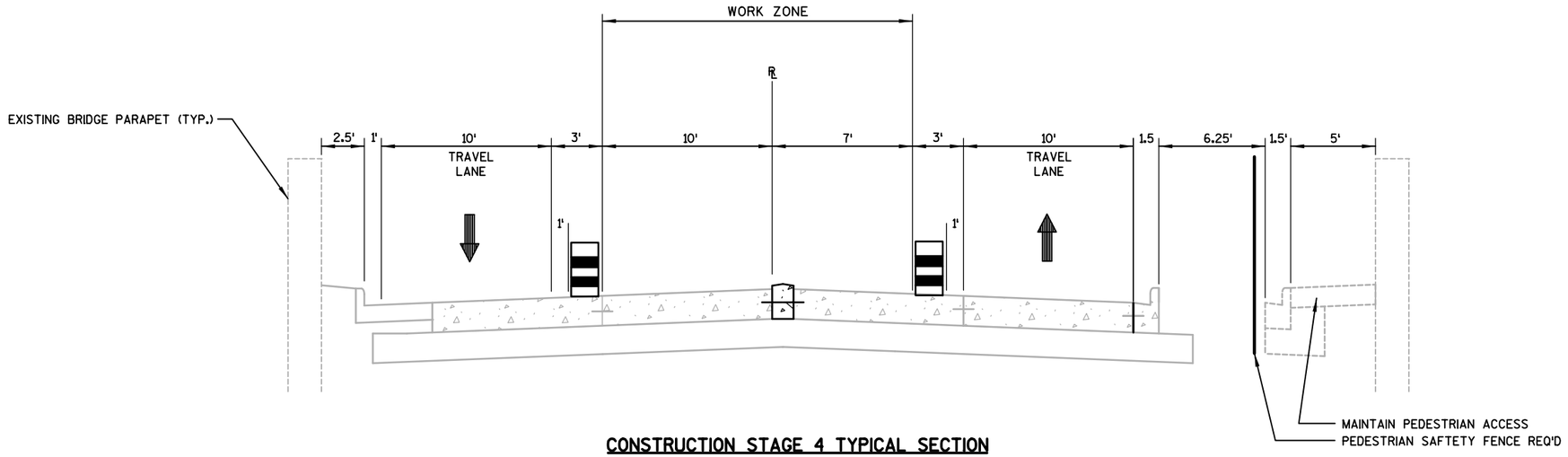
LANE CLOSED
R11-2L
48" X 30"

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



CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET

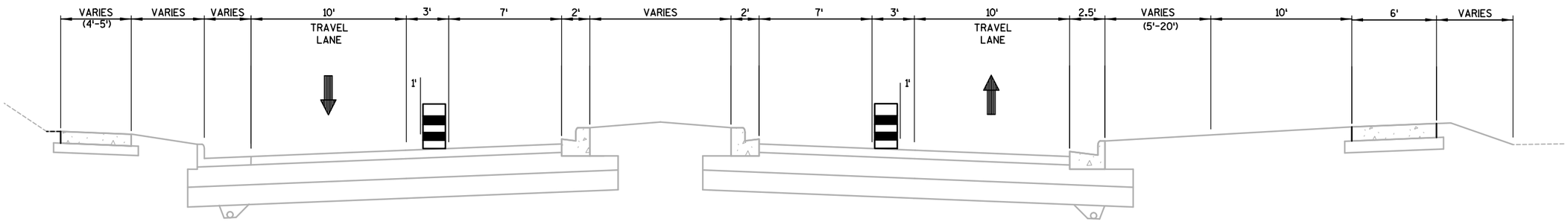
STA. 77+43 - STA. 87+90



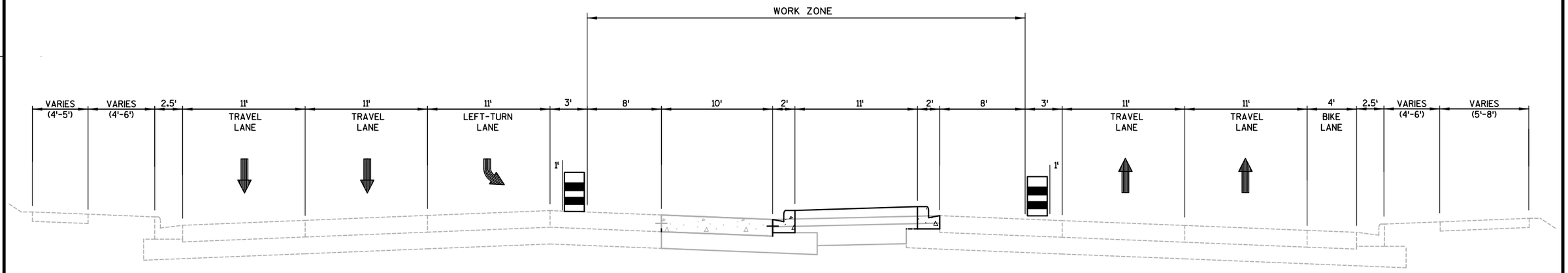
CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET

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	E



CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET
STA. 89+75 - STA. 100+00

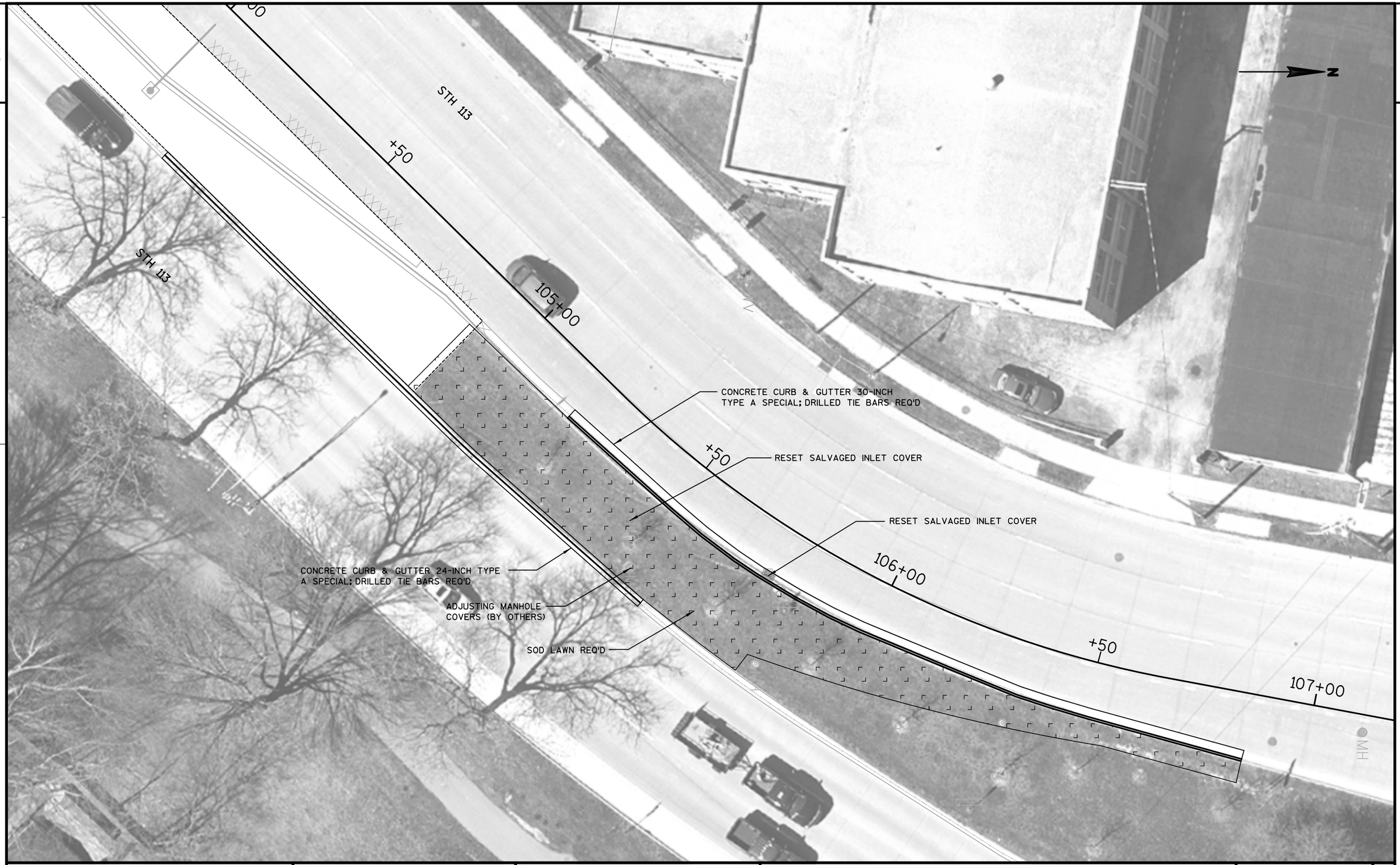


CONSTRUCTION STAGE 4 TYPICAL SECTION
EAST JOHNSON STREET
STA. 100+00 - STA. 104+86

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 4	SHEET	E



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



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

MATCHLINE A

LANE CLOSED
R11-2L
48" X 30"

N. FEW ST.

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

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' SPACING (TYP.)

5' (TYP.)

10'

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

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

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

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"

E. JOHNSON STREET

10'

10'

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

+50

87+00

+50

88+00

+50

89+00

+50

90+00

+50

91+00

+50

92+

8W 5' SEG. 5' GAP

4W

10+00 YP

+50 PL

+50 YP

11+00 PL

11+00 YP

+50 YP

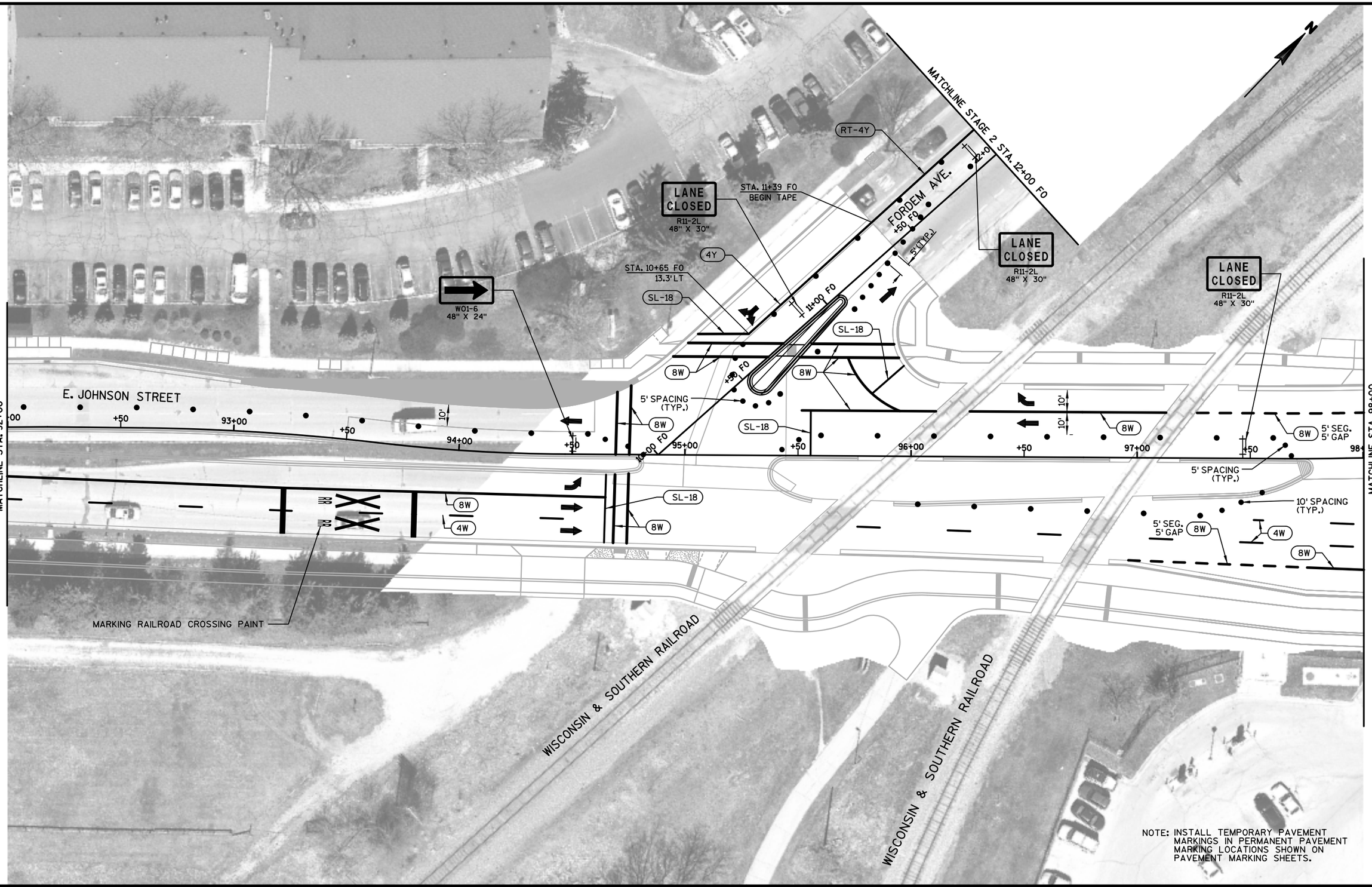
12+00 YP

N. THORNTON AVENUE

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\026405_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

2

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

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

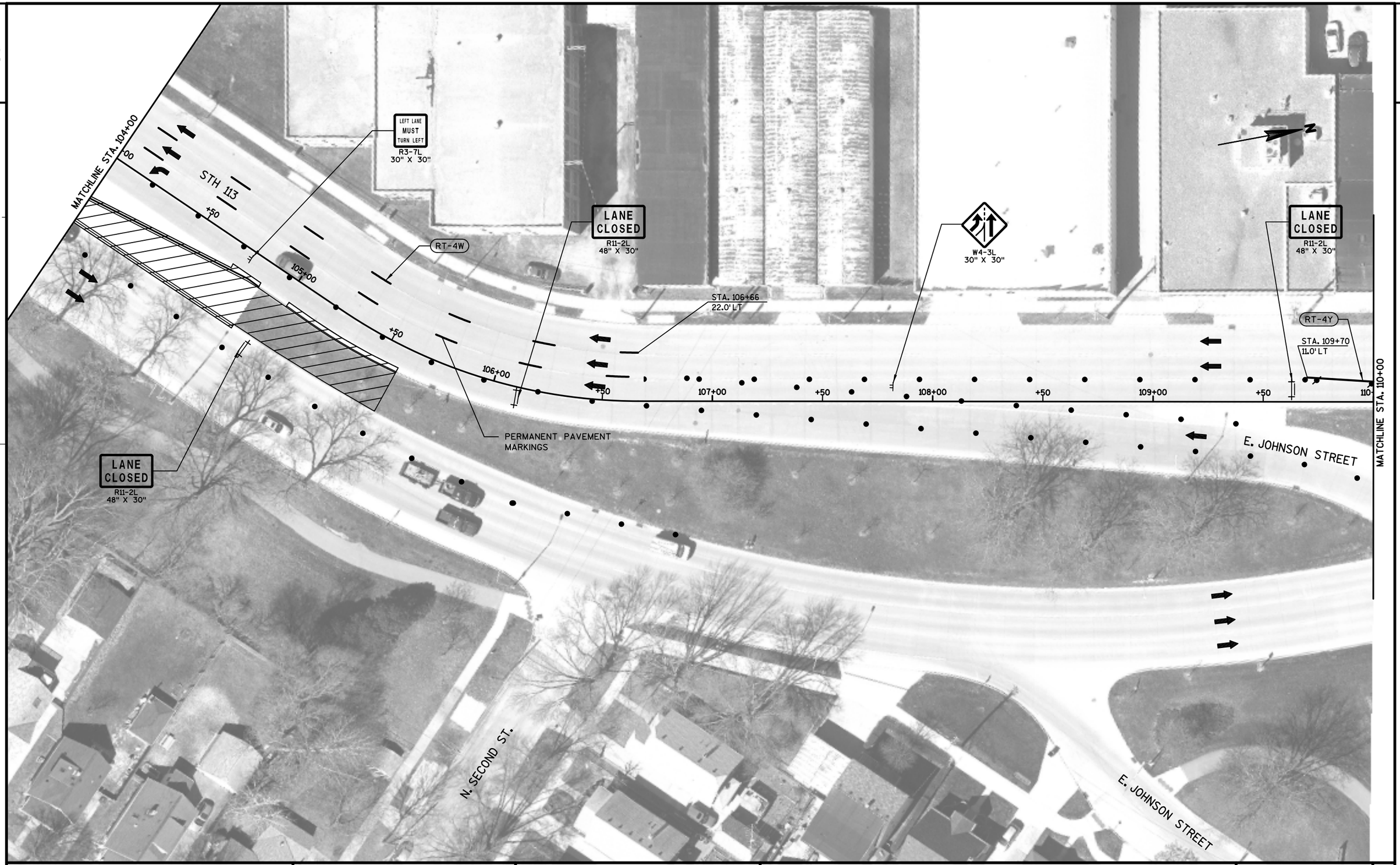
LANE CLOSED
R11-2L
48" X 30"

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

2



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

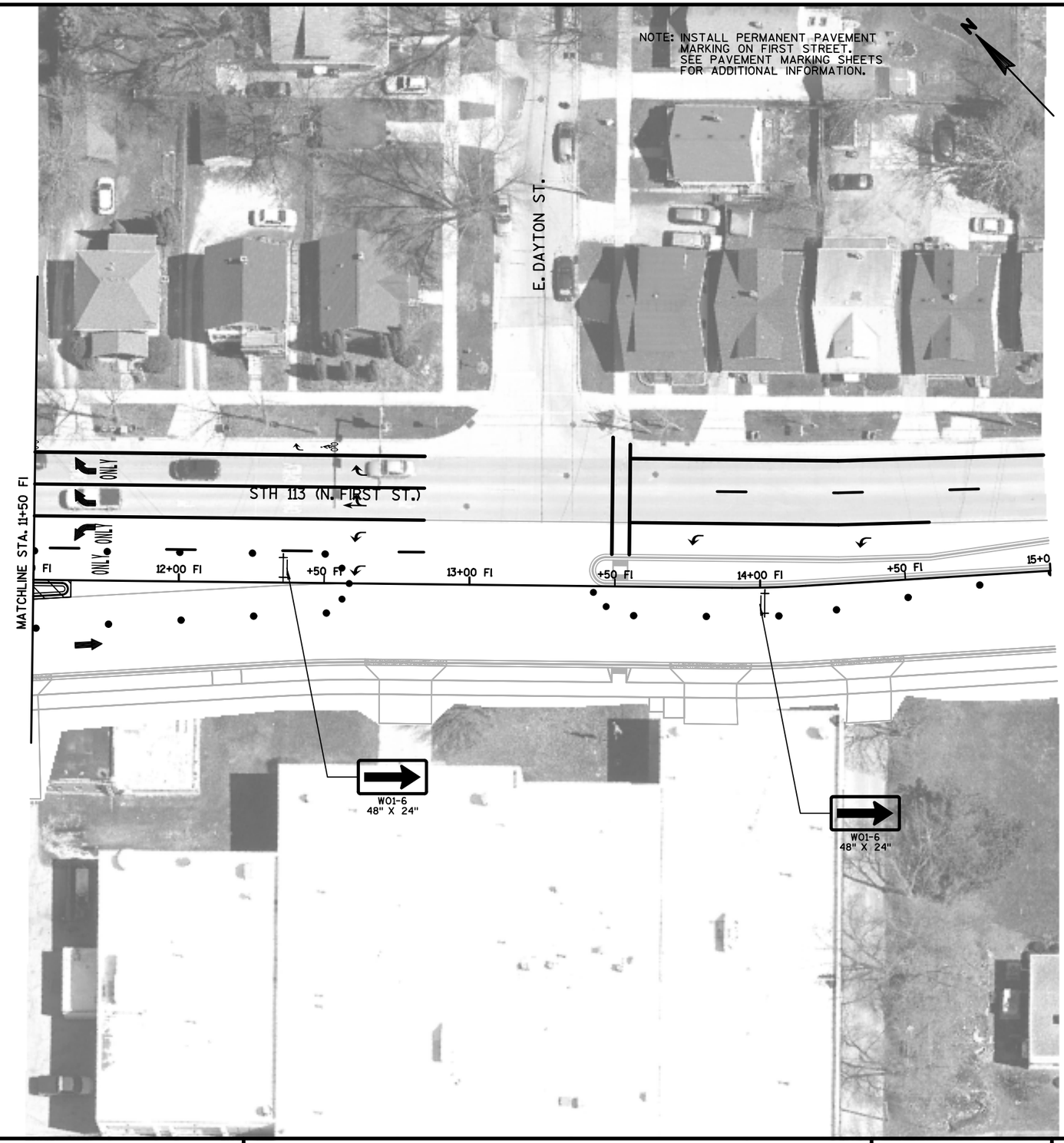
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

2

NOTE: INSTALL PERMANENT PAVEMENT MARKING ON FIRST STREET. SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

2

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

MATCHLINE 1

R3-60R
30" X 36"

LANE CLOSED
R11-2L
48" X 30"

N. THIRD ST.

E. JOHNSON STREET

E. JOHNSON STREET

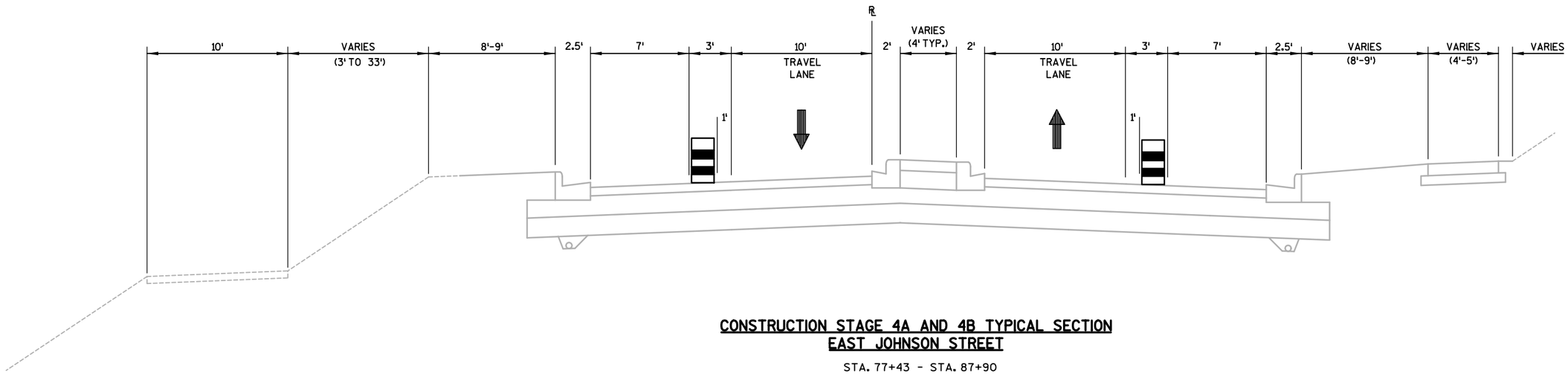
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2



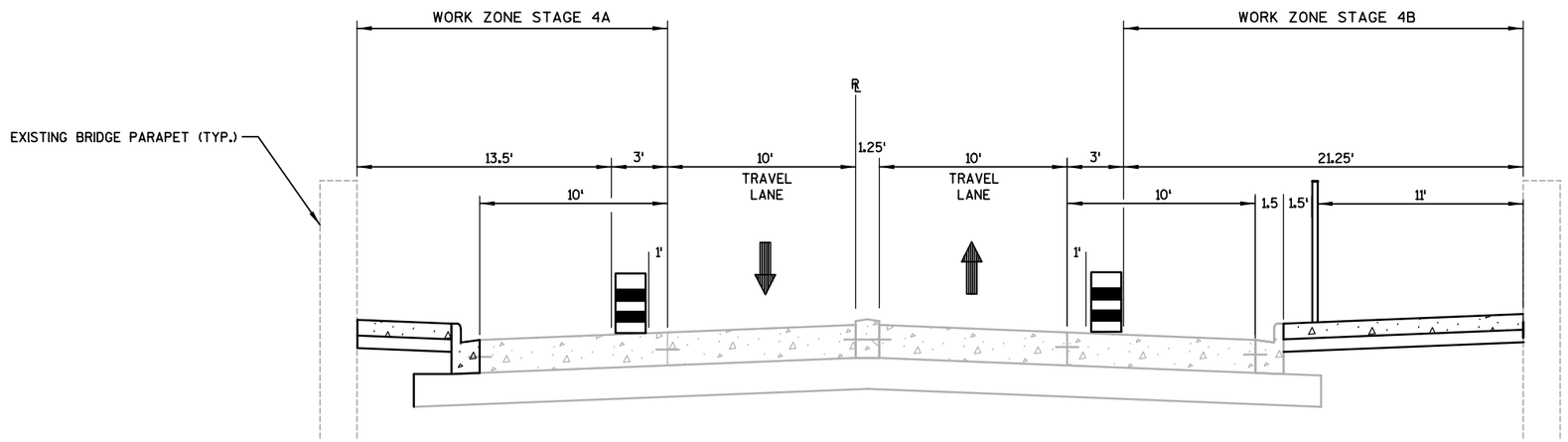
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E



CONSTRUCTION STAGE 4A AND 4B TYPICAL SECTION
EAST JOHNSON STREET

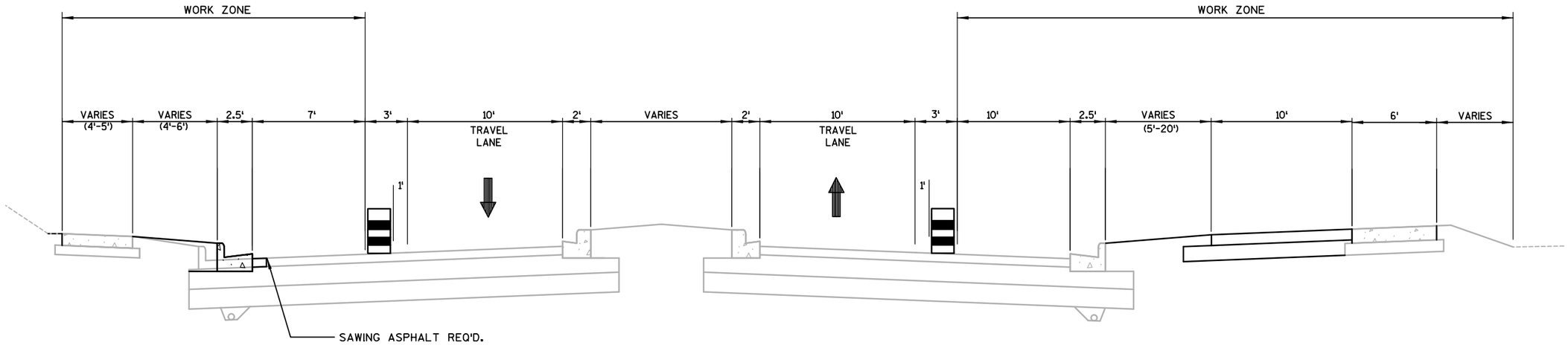
STA. 77+43 - STA. 87+90



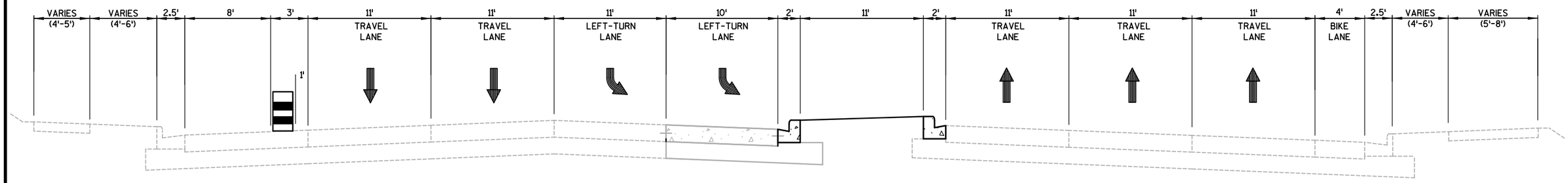
CONSTRUCTION STAGE 4A & 4B TYPICAL SECTION
EAST JOHNSON STREET

STA. 87+90 - STA. 89+75
(YAHARA RIVER BRIDGE, P-13-728)

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 4A & 4B	SHEET	E



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	E

2

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

TENNEY PARK LAGOON

E. JOHNSON STREET

8W

4W

81+00

82+00

83+00

84+00

85+00

+50

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

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"

LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

87+00 +50 88+00 +50 89+00 +50 90+00 +50 STA. 90+80 10.0' LT 91+00 4W +50 92

4W

100' YP

+50 PL

+50 YP

1100' PL

1100' YP

+50 YP

N THORNTON AVENUE

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

1200' YP

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

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

12+00

+50 F0

11+00 F0

+50 F0

10+00 F0

ONLY ONLY
R3-8D
36" X 30"

LANE CLOSED
R11-2L
48" X 30"

E. JOHNSON STREET

4W

93+00

+50

94+00

+50

95+00

+50

96+00

+50

97+00

+50

4W

98+

STA. 93+44
10.0' LT

MATCHLINE STA. 92+00

MATCHLINE

MATCHLINE STA. 98+00

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

NOTE: INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT PAVEMENT MARKING LOCATIONS SHOWN ON PAVEMENT MARKING SHEETS.

CANADIAN PACIFIC

E. JOHNSON STREET

STH 113

STH 113 (N. FIRST ST.)

LANE CLOSED
R11-2L
48" X 30"

ONLY ONLY
R3-8D
36" X 30"

LANE CLOSED
R11-2L
48" X 30"

PERMANENT PAVEMENT MARKINGS

PERMANENT PAVEMENT MARKINGS

ONLY

ONLY

ONLY

MATCHLINE STA. 98+00

MATCHLINE STA. 104+00

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



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

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

2



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

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
↑

N

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

CITY OF MADISON

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"
DETOUR ←	M4-9L 30" X 24"
DETOUR ↰	M4-59L 30" X 30"
DETOUR ↱	M4-59R 30" X 30"
DETOUR / END DETOUR	M4-8 24"X12" / M4-8A 24"X18"
EAST	M3-2 24" X 12"
↑	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

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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)
N

EAST / Johnson St — DETOUR AHEAD W20-2
EAST / Johnson St / DETOUR
EAST / Johnson St / DETOUR
EAST / Johnson St / DETOUR
END DETOUR
EAST / Johnson St / DETOUR
DETOUR / EAST / Johnson St
EAST / Johnson St / DETOUR
EAST / Johnson St / DETOUR
DETOUR / EAST / Johnson St
EAST / Johnson St / DETOUR
EAST / Johnson St / DETOUR
EAST / Johnson St / DETOUR

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
DETOUR WEST Johnson St ↑
DETOUR WEST Johnson St ↑
WEST Johnson St DETOUR
WEST Johnson St DETOUR →
WEST Johnson St DETOUR
WEST Johnson St DETOUR ↱
WEST Johnson St DETOUR →
DETOUR WEST Johnson St ↑
WEST Johnson St
DETOUR AHEAD W20-2
DETOUR WEST Johnson St ↑

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 5B DETOUR OVERVIEW - WB E. JOHNSON ST.	SHEET	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 : $$.....plotscale.....$$

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

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 →

END DETOUR

SOUTH Fordem Ave DETOUR ↱

SOUTH Fordem Ave DETOUR AHEAD W20-2

WORK ZONE

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	STAGE 5 DETOUR - SB FORDEM AVE.	SHEET	E

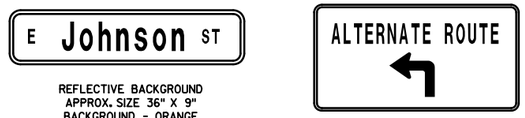
GENERAL NOTES

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

LAKE MONONA

WORK ZONE

ALTERNATE ROUTE



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

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\027003_dt_Alternate Route Signing.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

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

CURVE 11
P.I. = 10+89.02 PL
Y = 488,963.84
X = 826,267.82
DELTA = 159° 12'14" (RT)
D = 260° 26'07"
T = 119.89'
L = 61.13'
R = 22.00'
P.C. = 10+58.46 PL
Y = 489,066.51
X = 826,205.91
P.T. = 11+19.59 PL
Y = 489,037.85
X = 826,173.49

CURVE 12
P.I. = 11+65.95 PL
Y = 489,066.46
X = 826,137.02
DELTA = 82° 59'28" (RT)
D = 229° 10'59"
T = 22.11'
L = 36.21'
R = 25.00'
P.C. = 11+43.83 PL
Y = 489,052.81
X = 826,154.42
P.T. = 11+80.04
Y = 489,085.40
X = 826,148.44

CURVE 13
P.I. = 10+83.89 YP
Y = 489,044.73
X = 826,219.04
DELTA = 23° 13'53" (LT)
D = 51° 09'25"
T = 23.02'
L = 45.41'
R = 112.00'
P.C. = 10+60.87 YP
Y = 489,064.45
X = 826,207.16
P.T. = 11+06.28 YP
Y = 489,031.31
X = 826,237.74

CURVE 14
P.I. = 11+57.80 YP
Y = 489,001.26
X = 826,279.59
DELTA = 20° 26'27" (LT)
D = 63° 39'43"
T = 16.23'
L = 32.11'
R = 90.00'
P.C. = 11+41.57 YP
Y = 489,010.72
X = 826,266.41
P.T. = 11+73.68 YP
Y = 488,996.99
X = 826,295.25

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. 18+59.09 FO
Y = 490,457.07
X = 826,706.85

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. 13+48.99 FO
Y = 489,948.26
X = 826,672.22

P.I. 101+81.10
Y = 490,082.58
X = 827,140.49

P.I. 100+74.86
Y = 490,006.87
X = 827,065.97

P.I. 99+60.44
Y = 489,927.32
X = 826,983.72

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. 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.C. 80+60.03

CURVE 1

P.T. 81+88.70

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. STA. 74+12.80
Y = 488,203.27
X = 825,109.51

P.C. 86+99.73

CURVE 2

P.R.C. 87+41.12

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. 97+78.91
Y = 489,799.58
X = 826,854.73

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.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

CURVE 3
CURVE 4
CURVE 5
CURVE 6
CURVE 7
CURVE 8
CURVE 9
CURVE 10
CURVE 11
CURVE 12
CURVE 13
CURVE 14

P.C. 97+65.34
P.T. 97+92.48
P.C. 11+43.83 PL
P.T. 11+80.04 PL
P.C. 10+58.46 PL
P.C. 10+60.87 YP
P.T. 11+06.28 YP
P.C. 11+41.57 YP
P.T. 11+73.68 YP
P.C. 15+60.40 FI
P.T. 16+06.55 FI

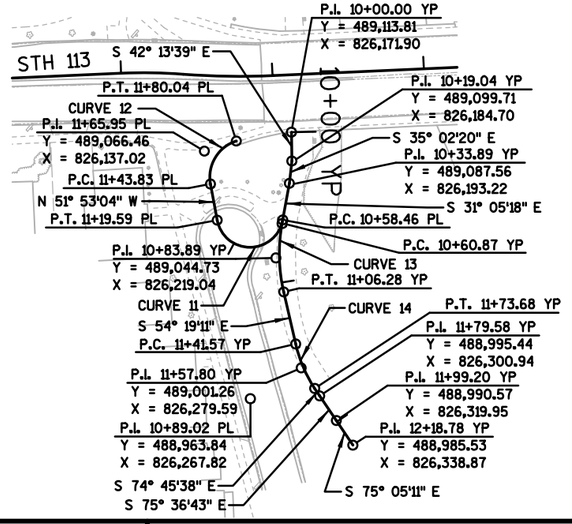
N. BALDWIN ST.
MARSTON AVE.
TENNEY PARK
E. JOHNSON ST.
N. DICKINSON ST.
YAHARA RIVER
FORDEM AVE.
WISCONSIN & SOUTHERN RAILROAD
STH 113
STH 113 (FIRST STREET)
E. DAYTON ST.
E. MIFFLIN ST.
US 151 (E. WASHINGTON AVE.)
MATCH LINE STA. 103+00

N 48° 59'36" E
N 49° 04'39" E
N 46° 07'43" E
N 47° 03'55" E
N 46° 04'08" E
N 4° 49'50" E
N 46° 47'17" E
N 4° 27'46" E
N 45° 16'43" E
N 44° 33'02" E
N 45° 57'15" E
S 45° 39'01" E
N 1° 35'18" E
N 4° 26'27" E
N 10° 34'17" E
S 42° 13'39" E
S 35° 02'20" E
S 31° 05'18" E
S 54° 19'11" E
S 74° 45'38" E
S 75° 36'43" E
S 75° 05'11" E
S 42° 42'08" E
S 43° 53'19" E
S 49° 48'40" E

75+00
80+00
85+00
90+00
95+00
100+00
105+00
110+00
115+00
10+00 YP

SEE DETAIL A FOR ALIGNMENT INFORMATION

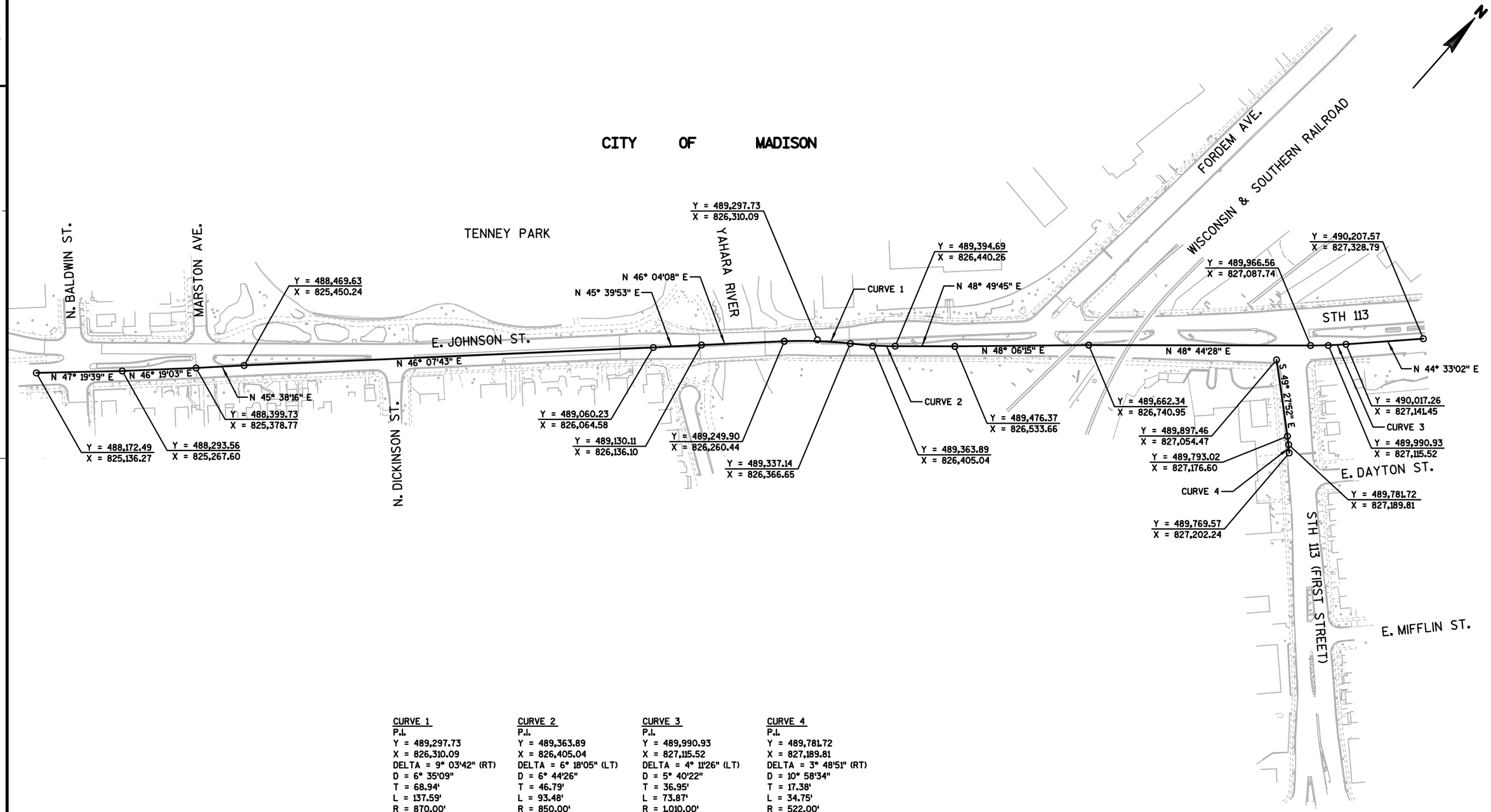
DETAIL A



PROJECT NO: 5992-09-14	HWY: E. JOHNSON ST.	COUNTY: DANE	ALIGNMENT DATA AND CONTROL POINT SHEET	SHEET	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	E

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	-	-
	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	36	20	3	23

*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	225
	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		2,395
	UNDISTRIBUTED		120
		TOTAL	2,515

*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	---	---	---	---	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	8	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) 15% 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.	--- - ---	91	16	13	78	20	0	0	78	98	38	1
			SUBTOTALS (STAGE 1A)	91	16	13	78	20	0	0	78	98	38	1
	STAGE 1B	EAST JOHNSON STREET	--- - ---	701	117	47	654	112	0	0	654	765	212	2
			SUBTOTALS (STAGE 1B)	701	117	47	654	112	0	0	654	765	212	2
	STAGE 2	EAST JOHNSON STREET	75+48 - 101+03	6,007	916	2,185	3,822	1,144	271	339	3,482	4,627	2,174	14
		FIRST STREET	10+73 FI - 16+07 FI	1,904	286	145	1,759	357	0	0	1,759	2,116	678	5
			SUBTOTALS (STAGE 2)	7,911	1,202	2,330	5,581	1,501	271	339	5,241	6,743	2,852	19
	STAGE 3	EAST JOHNSON STREET	77+45 - 101+50	6,480	976	2,051	4,429	1,220	462	578	3,852	5,071	2,317	15
		FIRST STREET	10+73 FI - 16+07 FI	442	66	378	64	83	10	13	51	133	158	2
			SUBTOTALS (STAGE 3)	6,922	1,042	2,429	4,493	1,303	472	591	3,903	5,204	2,475	17
	STAGE 4	EAST JOHNSON STREET	77+50 - 104+50	766	115	0	766	144	17	21	745	888	273	2
		FIRST STREET	10+83 FI - 12+50 FI	46	7	31	15	9	0	0	15	23	16	1
		YP LINE	10+34 YP - 11+74 YP	179	30	0	179	38	7	9	171	208	72	1
		PL LINE	10+58 PL - 11+80 PL	8	1	0	8	2	167	209	-201	-200	3	1
			SUBTOTALS (STAGE 4)	999	153	31	968	193	191	239	730	919	364	5
			TOTALS	16,624	2,530	4,850	11,774	3,129	934	1,169	10,606	13,729	5,941	44
			ITEM TOTALS		19,154									

*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

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	30	5	110
	86+50 - 94+00	RT/LT	48	8	150
	94+00 - 99+44.28	RT/LT	12	2	380
	TOTALS		90	15	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.

3

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

3

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	1,900	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	483	353
	SUBTOTALS (0010)		10,133	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		10,133	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

3

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-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-5.1	J-5.2	---	23	---	---	---	---	---	---	---
	J-5.2	J-5.3	---	15	---	---	---	---	---	---	---
	J-5.3	J-5.4	---	6	---	---	---	---	---	---	---
	J-5.4	-	---	-	---	---	---	---	---	1	---
	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-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	---	6	---	---	---	---	---	---	---
	J-8.4	J-8.5	---	54	---	---	---	---	---	---	---
	J-8.5	J-8.6	---	6	---	---	---	---	---	---	---
	J-8.6	-	---	-	---	---	---	---	---	1	---
	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	---	---	---	---	---	---	---	---
	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	---	---	---	---	---	---	---

CON'T NEXT PAGE

CON'T FROM PREVIOUS

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-12.2	J-13.2	---	24	---	---	---	---	---	1	---
	J-13.1	J-13.2	---	25	---	---	---	---	---	---	---
	J-13.2	J-13.3	12	---	---	---	---	---	---	---	---
	J-13.3	-	---	---	---	---	---	---	---	1	---
	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-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	---
	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	---	---	---	---	6	---	---
	J-21.4	J-21.5	9	---	---	---	---	---	---	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	---	---	---	---	---
TOTALS			513	1,160	61	6	12	6	6	23	1

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	611.3004 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	611.0624 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	*SPV.0060.006 INLET COVERS TYPE DW EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	J-1.3	76+43.56	23.7 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-1.4	76+37.55	23.7 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-1.5	76+37.86	17.7 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	J-2.1	77+91.87	47.2 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-2.2	78+66.90	42.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-2.3	78+66.74	36.9 'RT	---	---	---	---	---	---	---	---	---	---	---	---
	J-2.4	77+22.49	51.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-3.1	81+71.23	54.4 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-3.2	81+40.70	54.9 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	J-3.3	81+26.02	32.2 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	J-3.4	81+10.65	8.1 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	J-3.5	82+50.49	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-3.6	82+50.49	6.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-3.7	81+02.94	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-4.1	85+61.98	6.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-4.2	85+62.02	29.6 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	J-4.3	85+41.69	29.6 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	J-4.4	85+41.62	23.6 'RT	---	---	---	---	---	---	---	---	---	---	---	---
	J-5.1	85+55.05	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-5.2	85+54.97	21.6 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-5.3	85+39.73	21.6 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-5.4	85+40.35	15.6 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	J-6.1	86+84.89	35.6 'RT	---	---	---	---	---	---	---	---	---	---	---	---
	J-6.2	86+85.18	29.6 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-6.3	87+06.05	29.5 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-6.4	87+06.30	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-6.5	86+89.66	6.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-6.6	86+89.66	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-7.1	81+65.01	21.6 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-7.2	81+65.06	15.6 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	J-8.1	92+79.99	13.2 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-8.2	92+73.91	13.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-8.3	92+79.76	45.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-8.4	92+73.45	45.8 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-8.5	92+18.85	44.3 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-8.6	92+18.84	38.3 'RT	---	---	---	---	---	---	---	---	---	---	---	---
	J-9.1	92+34.69	29.6 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-9.2	92+40.56	29.4 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-9.3	92+40.01	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-9.4	92+34.02	1.1 '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	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-10.2	95+46.36	40.3 'LT	---	---	1	---	---	---	1	---	---	---	---	1
	J-10.3	95+64.44	60.9 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-10.4	95+61.19	64.2 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-10.5	95+36.30	89.4 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	J-11.1	96+50.70	45.4 '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

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	611.3004 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	611.0624 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	*SPV.0060.006 INLET COVERS TYPE DW EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	J-12.2	96+70.6	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-13.1	97+07.13	31.6 '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	58.5 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-15.1	97+57.71	1.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-15.2	97+61.16	13.4 '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	69.0 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-16.2	99+40.92	26.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-16.3	99+41.23	20.9 'RT	---	---	---	---	---	---	---	---	---	---	---	---
	J-17.1	100+50.37	33.4 'LT	---	---	---	1	---	---	---	---	1	---	---	1
	J-17.2	99+41.80	31.6 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-17.3	99+41.67	7.0 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-17.4	98+88.67	31.6 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-17.5	98+52.56	3.1 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	J-17.6	101+07.55	34.9 'LT	---	---	---	1	---	---	---	---	1	---	---	1
	J-17.7	101+07.54	26.7 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	J-18.1	101+01.15	33.8 'RT	---	---	---	---	---	---	---	---	---	---	---	---
	J-18.2	101+00.94	29.8 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-18.3	101+01.60	22.1 '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	1.1 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	J-19.3	11+10.79	6.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-19.4	11+82.99	1.1 'RT	1	---	---	---	---	1	---	---	---	---	---	1
	J-19.5	11+39.02	34.6 'RT	---	---	---	1	---	---	---	---	---	---	1	1
	J-19.6	11+45.00	34.2 'RT	---	---	---	1	---	---	---	---	---	---	1	1
	J-19.7	11+83.25	31.6 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-19.8	11+82.07	4.8 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	J-20.1	11+15.65	49.4 '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	---	---	---	---	---	---	---	---	---	---	---	---
	J-20.5	10+88.22	59.5 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-21.1	13+22.46	33.1 'RT	---	---	---	---	---	---	---	---	---	---	---	---
	J-21.2	13+22.73	27.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-21.3	13+60.32	27.1 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	J-21.4	13+58.80	1.1 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-21.5	13+59.90	9.9 'LT	---	---	---	1	---	---	1	---	---	---	---	1
	J-21.6	13+60.75	15.8 'LT	---	---	---	---	---	---	---	---	---	---	---	---
	YP-1.1	11+24.12	3.9 'RT	---	---	---	1	---	---	1	---	---	---	---	1
	YP-1.2	10+99.85	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
	TOTALS			3	2	9	57	3	5	61	1	2	3	2	74

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

ADJUSTING STORM SEWER ITEMS

CATEGORY	STATION - STATION	LOCATION	*611.8110 ADJUSTING MANHOLE COVERS EACH	*611.8115 ADJUSTING INLET COVERS EACH
0010	74+97.07 - 81+00	LT/RT	1	---
	81+00 - 86+50	LT/RT	1	---
	86+50 - 94+00	LT/RT	2	1
	94+00 - 99+44.28	LT/RT	1	1
	99+44.28 - 104+86.50	LT/RT	1	---
	11+19 FI - 16+06.55 FI	LT/RT	---	2
	10+00 YP - 11+73.68 YP	LT/RT	---	---
		TOTALS	6	4

*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

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	84+80 - 86+30	LT	150	85	8
	84+87 - 86+37	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		1,045	590	56

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

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

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

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

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	14	---	8	6
	86+50 - 94+00	RT/LT	14	---	6	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	---	18	---	12	8
	TOTALS		88	1	60	40

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	223	6,690	24	720	---	---	44	1,320	22	660	3	90	30	900	4	28
	STAGE 5		6	448	2,688	52	312	---	---	84	504	24	144	3	18	49	294	4	28
		SUBTOTALS			103,128		19,039	290	290		30,067		14,435		604		19,552		224
		UNDISTRIBUTED			5,156		952	44	15		1,503		722		30		2,585		11
		TOTALS			108,284		19,991	334	305		31,570		15,157		634		54,292		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

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET	E

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

INCENTIVE IRI RIDE

CATEGORY	PROJECT	740.0440 DOL
0010	5992-09-14	3,530

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

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

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 SIGNAL CONDUIT	4
	STORM SEWER TIE INS	8
	UNDISTRIBUTED	4
	TOTAL	16

*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	-	-	EXISTING
	SL3937	85+56.42	33.97 R	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	SL3966	86+82.71	26.86 L	-	-	-	-	-	-	-	-	-	-	1	-	-	EXISTING
	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			21	1	3	17	4	1	1	26	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	

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET	E

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

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,		
		OPTICAL SIGNAL PREEMPT	12-INCH, 3-SECTION	12-INCH, 4-SECTION	16-INCH PEDESTRIAN WITH COUNTDOWN	3-SECTION 12-INCH	4-SECTION 12-INCH	PEDESTRIAN PUSH BUTTONS
CATEGORY	STRUCTURE		EACH	EACH	EACH	EACH	EACH	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+32.14	13.6'LT	---	---	---	---	1	---	---	---	---	---
86+35.49	32.5'RT	---	---	---	---	---	---	1	---	---	---
86+35.50	37.2'RT	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
85+41.79	1
85+62.05	1
92+40.12	1
95+47.59	1
UNDISTRIBUTED	4
TOTAL	10

*SPV.0060.100
UTILITY LINE OPENING (ULO)

LOCATION	EACH
UNDISTRIBUTED	2

SPV.0060.125
CLAY TRENCH PLUG

STATION	LOCATION	EACH
90+26.79	31.2'LT	1
90+95.00	13.1'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		---	---	---	---	23	23
	86+35.50		---	---	18	---	---	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	150	50	2,081	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	853.89	---	839.87	14.02	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	853.59	---	838.84	14.75	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	848.48	---	836.88	11.60	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	854.00	---	836.41	17.59	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

PROJECT NO: 5992-09-16	HWY: JOHNSON STREET	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET	E

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".

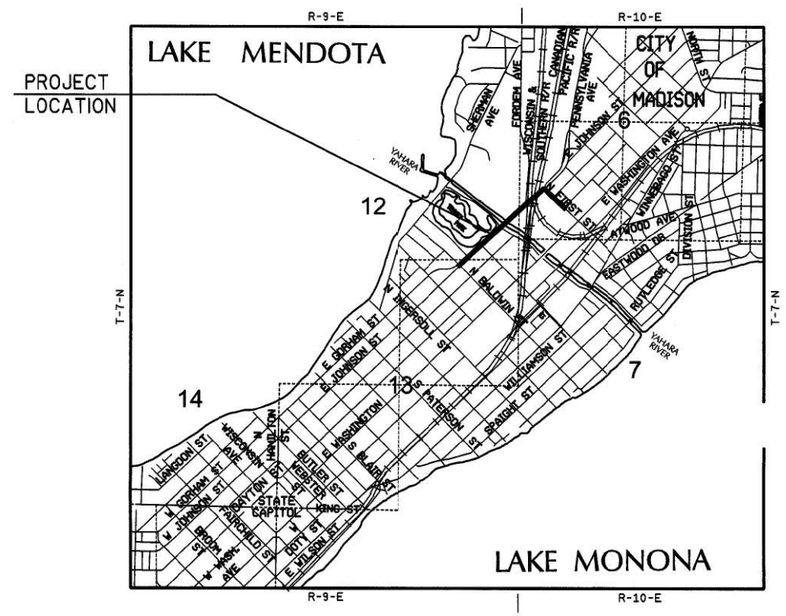
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES AND AREAS OF FEE ACQUISITION, AND SHOULD NOT BE USED AS A SUBSTITUTE 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.



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
- 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

			NON COMPENSABLE	COMPENSABLE
WATER	W	SANITARY SEWER	SAN	
GAS	G	STORM SEWER	SS	
TELEPHONE	T			
OVERHEAD	OH			
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

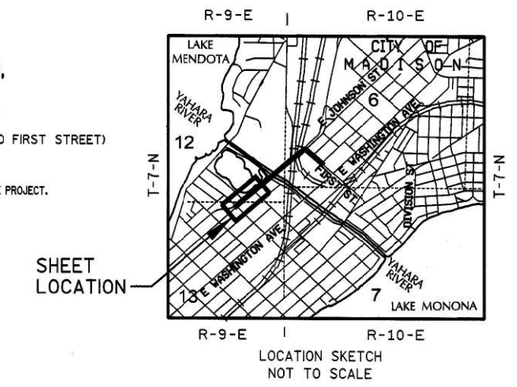
TRANSPORTATION PROJECT PLAT NO: 5992-09-09 - 4.01

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

PC 80+60.03

PI 81+24.38
N 43° 46' 45" W 35.00'

PT 81+88.70
S 43° 46' 45" E 34.70'

N 49° 04' 39" E

S 89°51'40" W 100.40'

S 46°01'09" W 399.45'

TLE-SLOPES 206 S.F.

TLE-SLOPES 245 S.F.

TLE-SLOPES 2248 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.)

E. JOHNSON ST.

N 46°08'29" E 542.68'

85+00

PC 86+99.73

PI 87+20.45

N 46° 07' 43" E

S 46°08'29" W 504.55'

STA. 87+41.05 = STA. 10+00.00 MH
Y=489095.32
X=826093.05

PRC 87+41.12

PI 87+70.98

PT 88+00.77

S 33°21'44" E 37.62'

S 33°21'44" E 42.72'

N 46° 04' 08" E

N. THORNTON AVE.

S 56°40'38" E 188.57'

N 56°40'38" W 182.13'

EXISTING PLE FOR DRAINAGE & RETAINING WALL PROJECT:5992-00-77

S 33°19'22" 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

N. DICKINSON ST.

S 46° 13' 15" W 33.00'

S 43°47'17" E 99.00'

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)

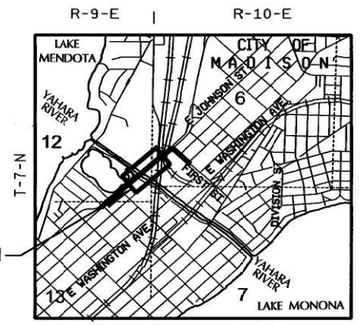
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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
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

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 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.

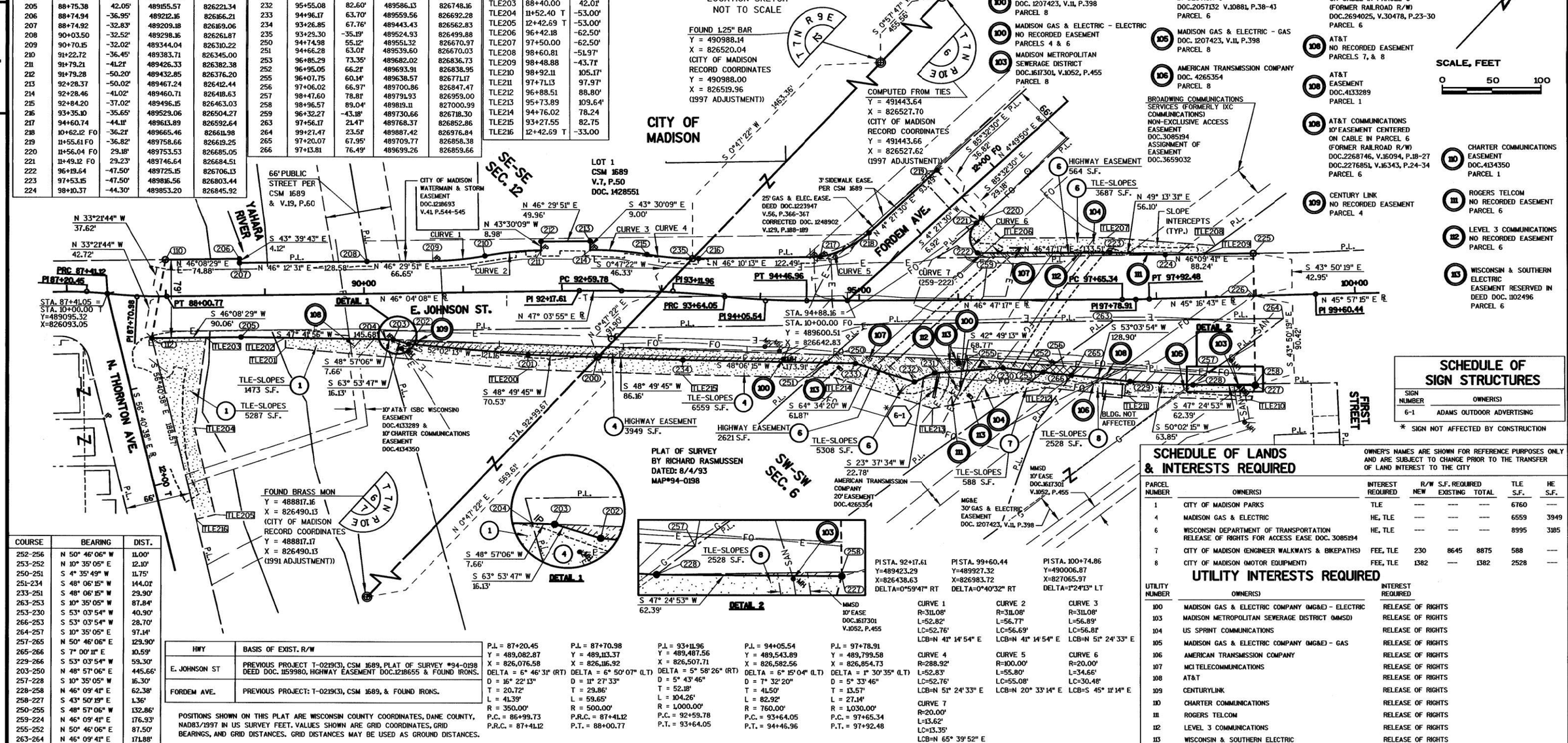
WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(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 Lay, Deputy
Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-09-09-4.02
AMENDMENT NO:



SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	OWNER(S)
6-1	ADAMS OUTDOOR ADVERTISING

* SIGN NOT AFFECTED BY CONSTRUCTION

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

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.	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

FILE NAME : S:\MAD\1000--1099\1020\083\Micros\Plan\040102_rp.dgn PLOT DATE : 2/23/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

APPRAISAL PLAT DATE: 2/23/18

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.

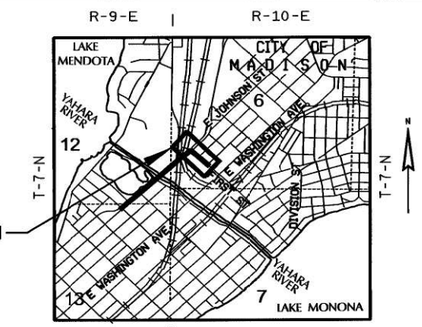
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:

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



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

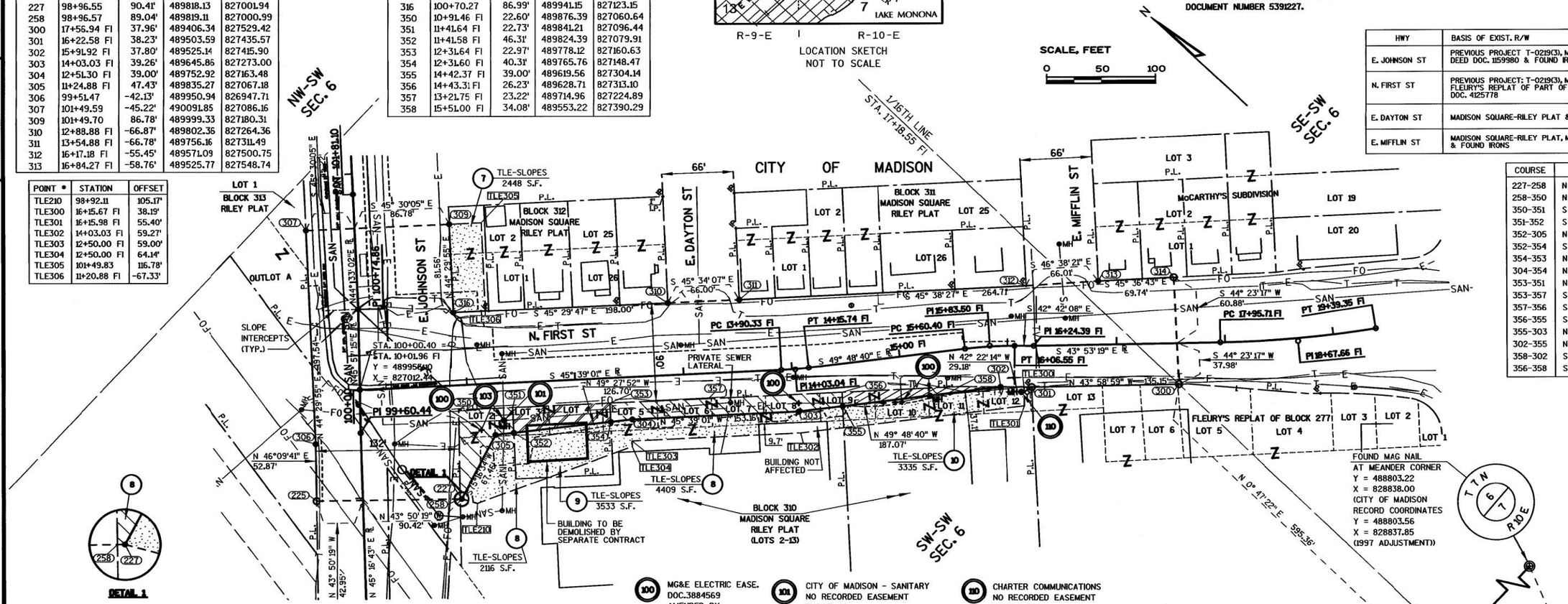
(SIGNATURE) Heather Bartelt DATE 2/23/18
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

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



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'

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.

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.
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

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

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

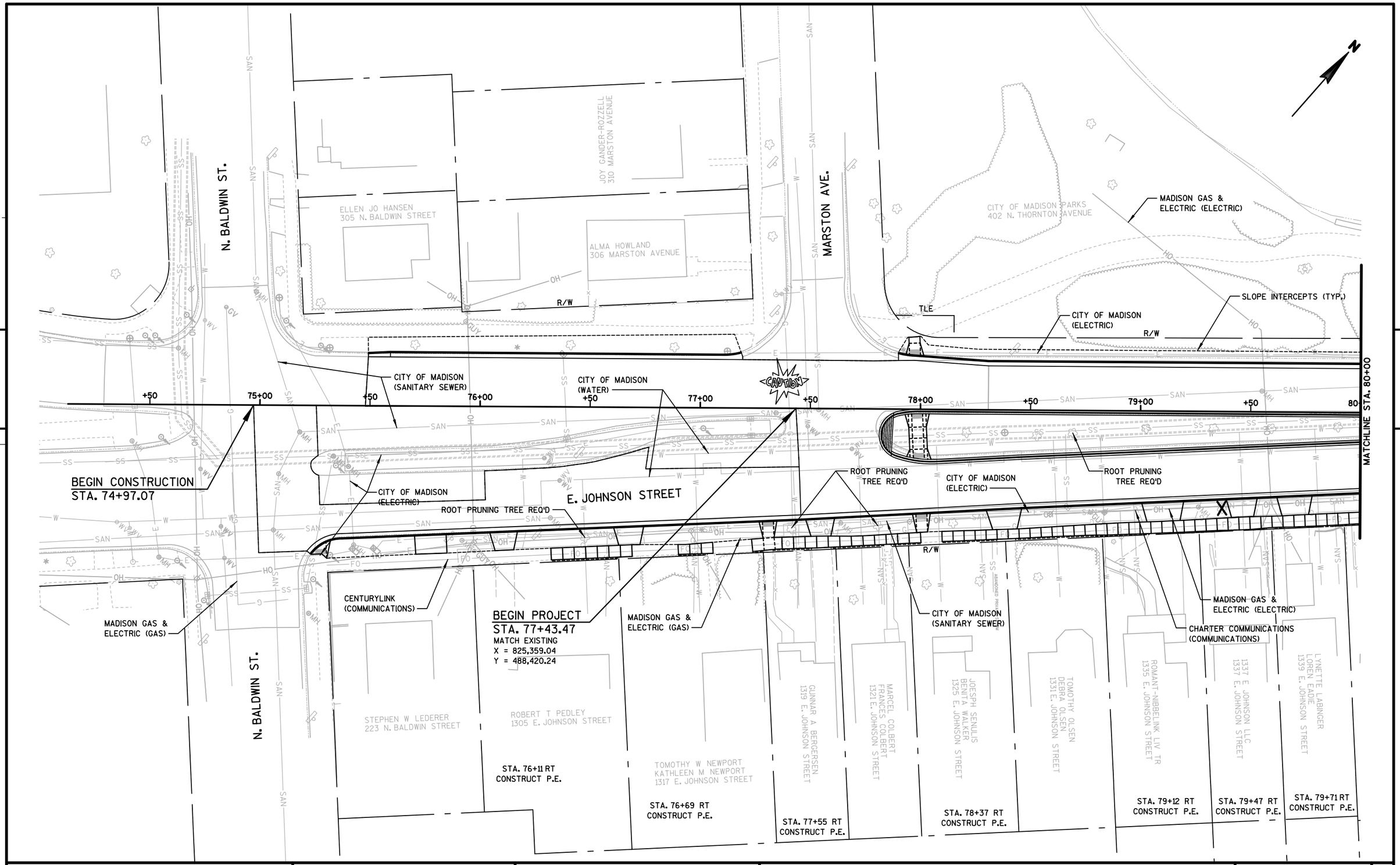
PI STA. 100+74.86
Y=490006.87
X=827065.97
DELTA=1°24'13" LT

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

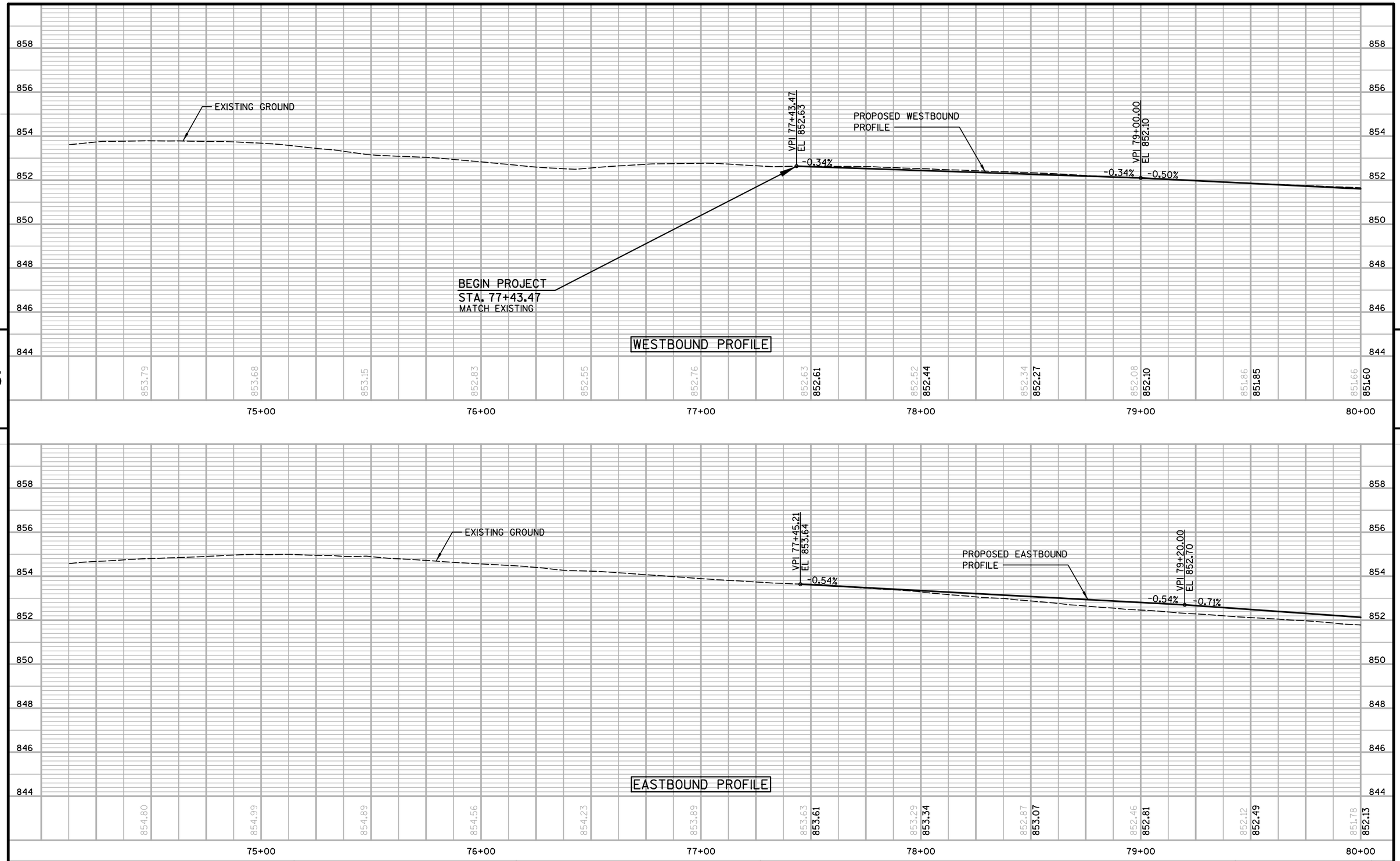
P.I. = 15+83.50 FI
Y = 489,558.28
X = 827,437.12
DELTA = 7° 06' 31" (RT)
D = 15° 24' 08"
T = 23.11'
L = 46.15'
R = 372.00'
P.C. = 15+60.40 FI
P.T. = 16+06.55 FI

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

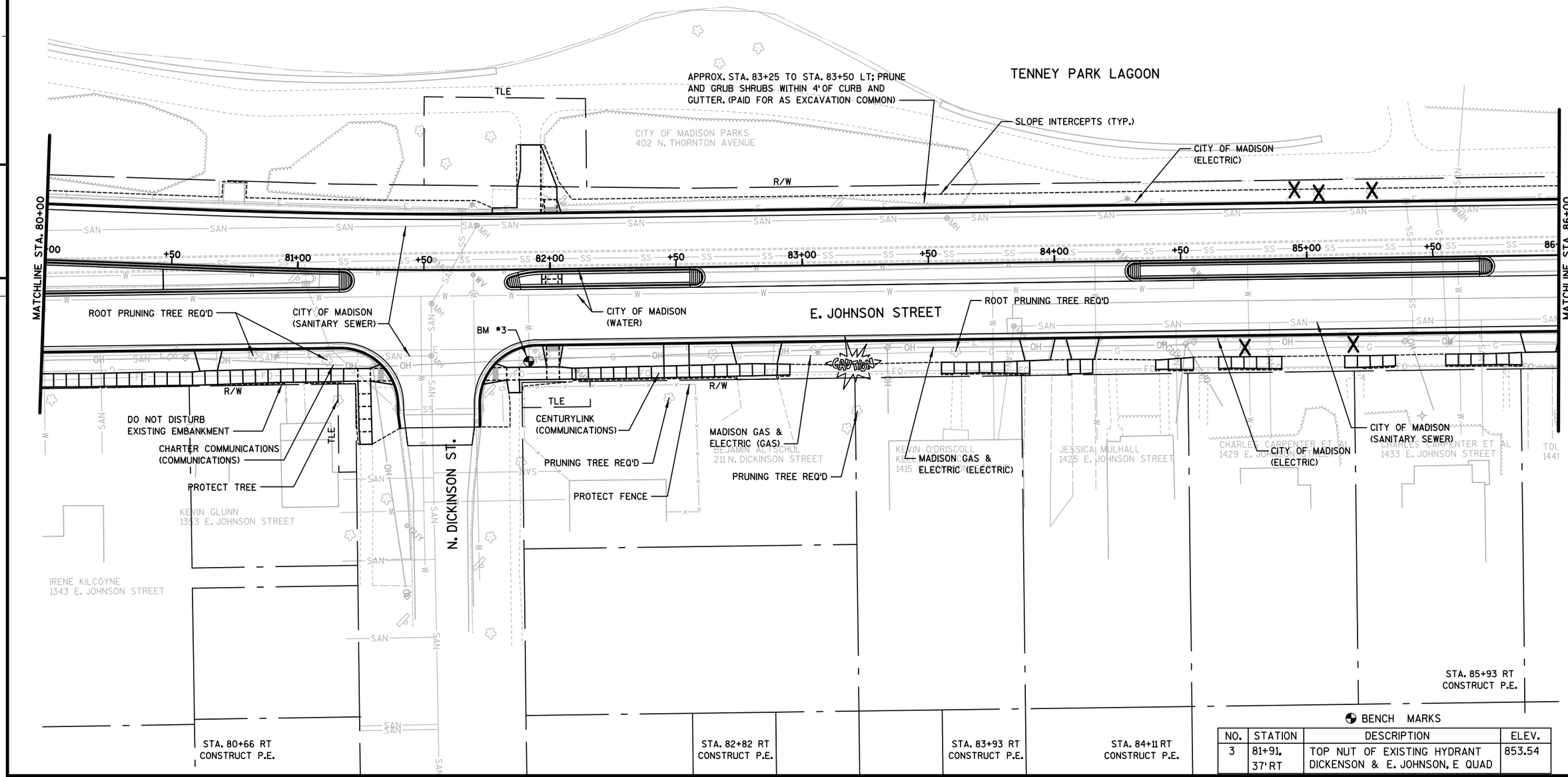


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - E. JOHNSON STREET	SHEET	E



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

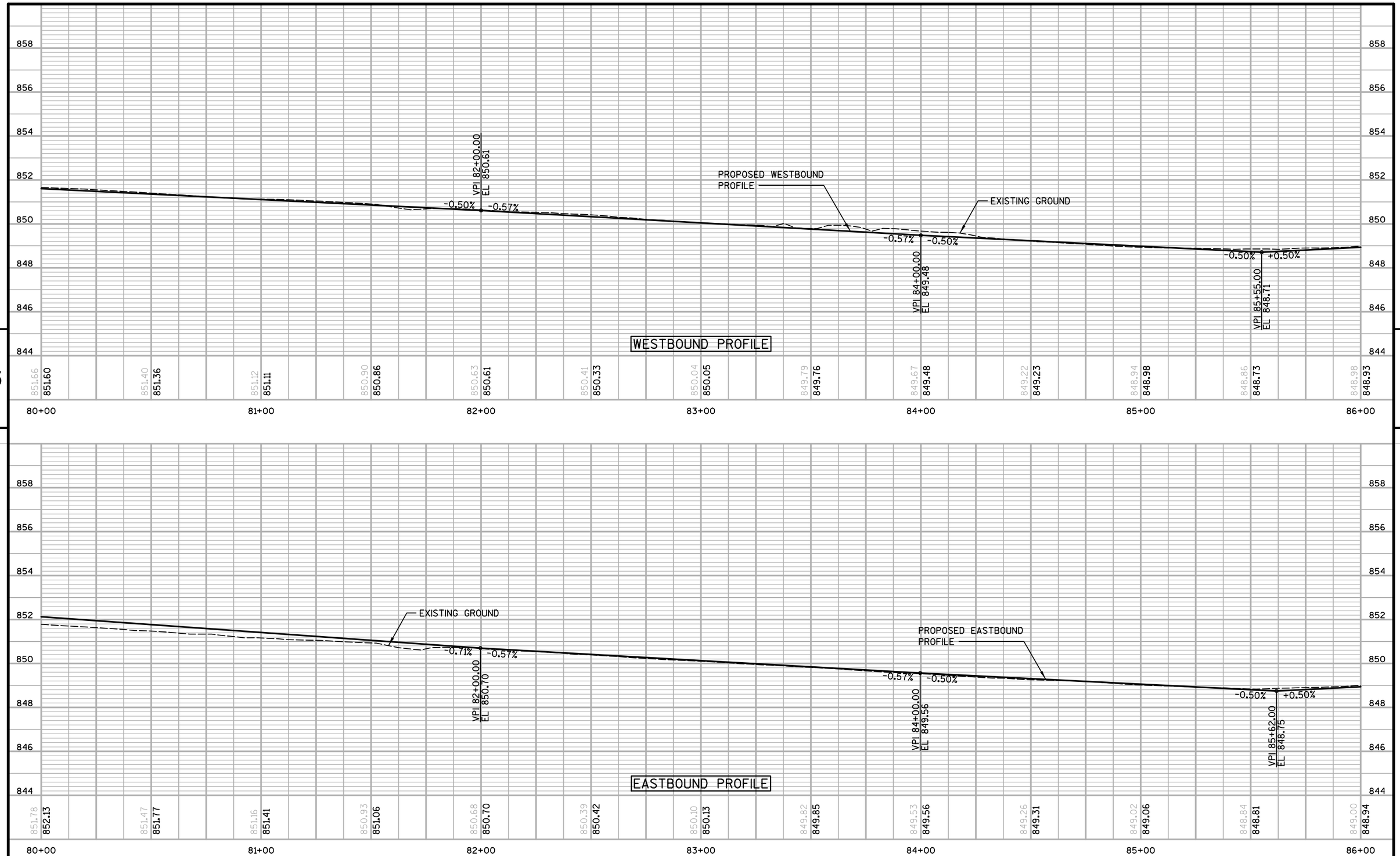
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BENCH MARKS

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	E



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\050104_pp.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 46

TENNEY PARK LAGOON

TENNEY PARK

CITY OF MADISON PARKS
402 N. THORNTON AVENUE

CITY OF MADISON PARKS

YAHARA RIVER

BANNER RIVERS EDGE APTS LLC
1602 FORDEM AVENUE

CITY OF MADISON
(WATER)

CHARTER COMMUNICATIONS
(COMMUNICATIONS)

APPROX. LIMITS OF
CONTAMINATED SOIL

PRUNING TREE REQ'D

CITY OF MADISON
(COMMUNICATIONS)

MATCHLINE STA. 86+00

MATCHLINE STA. 92+00

E. JOHNSON STREET

CITY OF MADISON
(ELECTRIC)

CAUTION

BM #1

R/W

P-13-728
(TO REMAIN; PROTECT
EXISTING RUBBERIZED
MEMBRANE WATERPROOFING)

AT&T - LONG LINES
(COMMUNICATIONS)

AT&T WISCONSIN
(COMMUNICATIONS)

CITY OF MADISON PARKS

SLOPE INTERCEPTS (TYP.)

TLE

HE

JSSAINT APARTMENTS LLC
E. JOHNSON STREET

KAREN SCHAPPE
220 N. THORNTON AVENUE

MADISON GAS &
ELECTRIC (GAS)

CHARTER COMMUNICATIONS
(COMMUNICATIONS)

CENTURYLINK
(COMMUNICATIONS)

MADISON GAS &
ELECTRIC (ELECTRIC)

CITY OF MADISON
(SANITARY SEWER)

ROBERT MILLER TRUST
PATRICA MILLER TRUST
216 N. THORNTON AVENUE

N. THORTEN AVE.

STA. 86+64 RT
CONSTRUCT P.E.

CENTURYLINK
(COMMUNICATIONS)

MADISON GAS &
ELECTRIC (ELECTRIC)

MADISON GAS & ELECTRIC
1701 E. JOHNSON STREET

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.

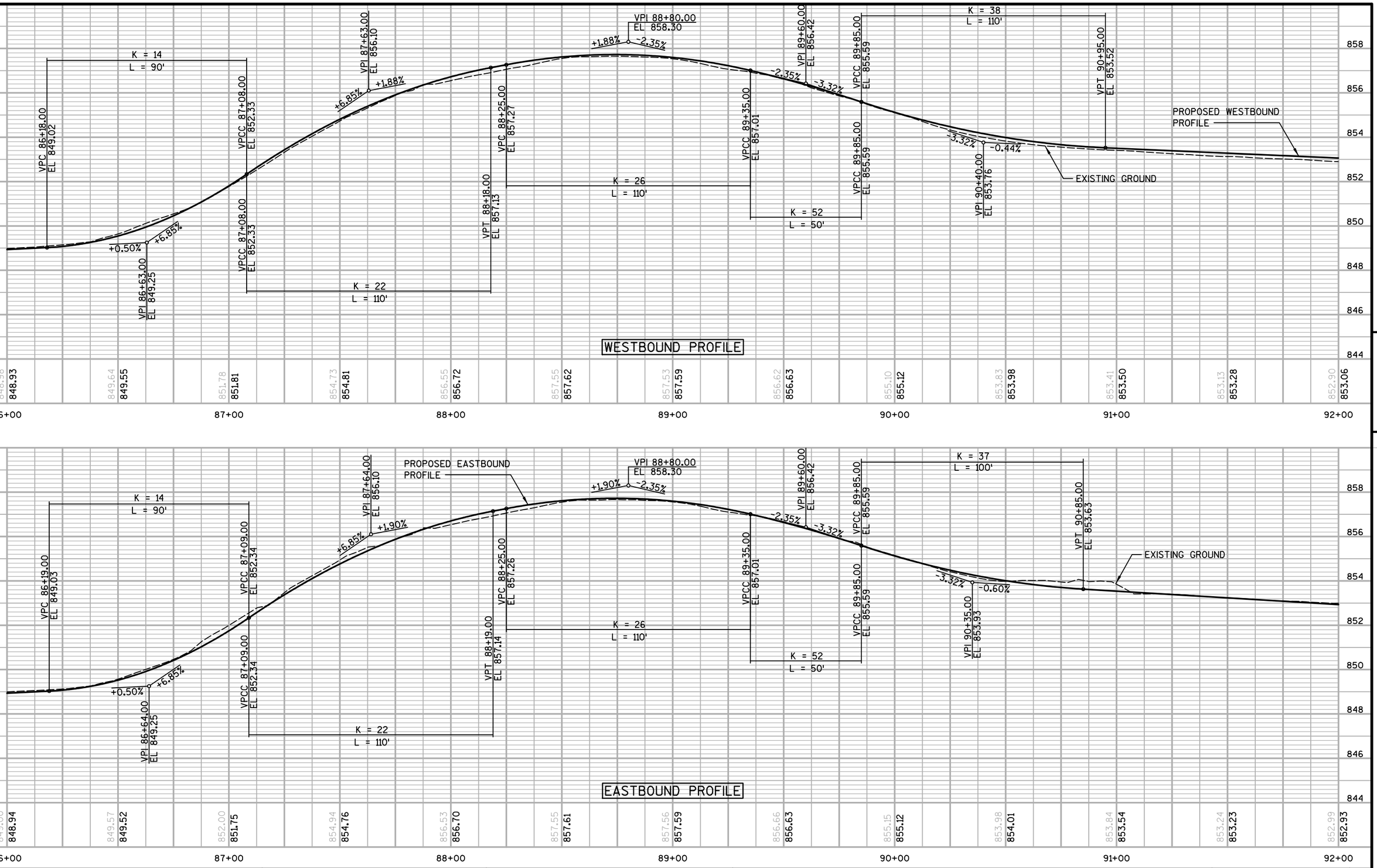
BENCH MARKS

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 : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\050105_pp.dgn PLOT DATE : 7/11/2018 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

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)

VERIZON (COMMUNICATIONS)

SPRINT NEXTEL (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

11+00 FO

12+00 FO

93+00

94+00

95+00

96+00

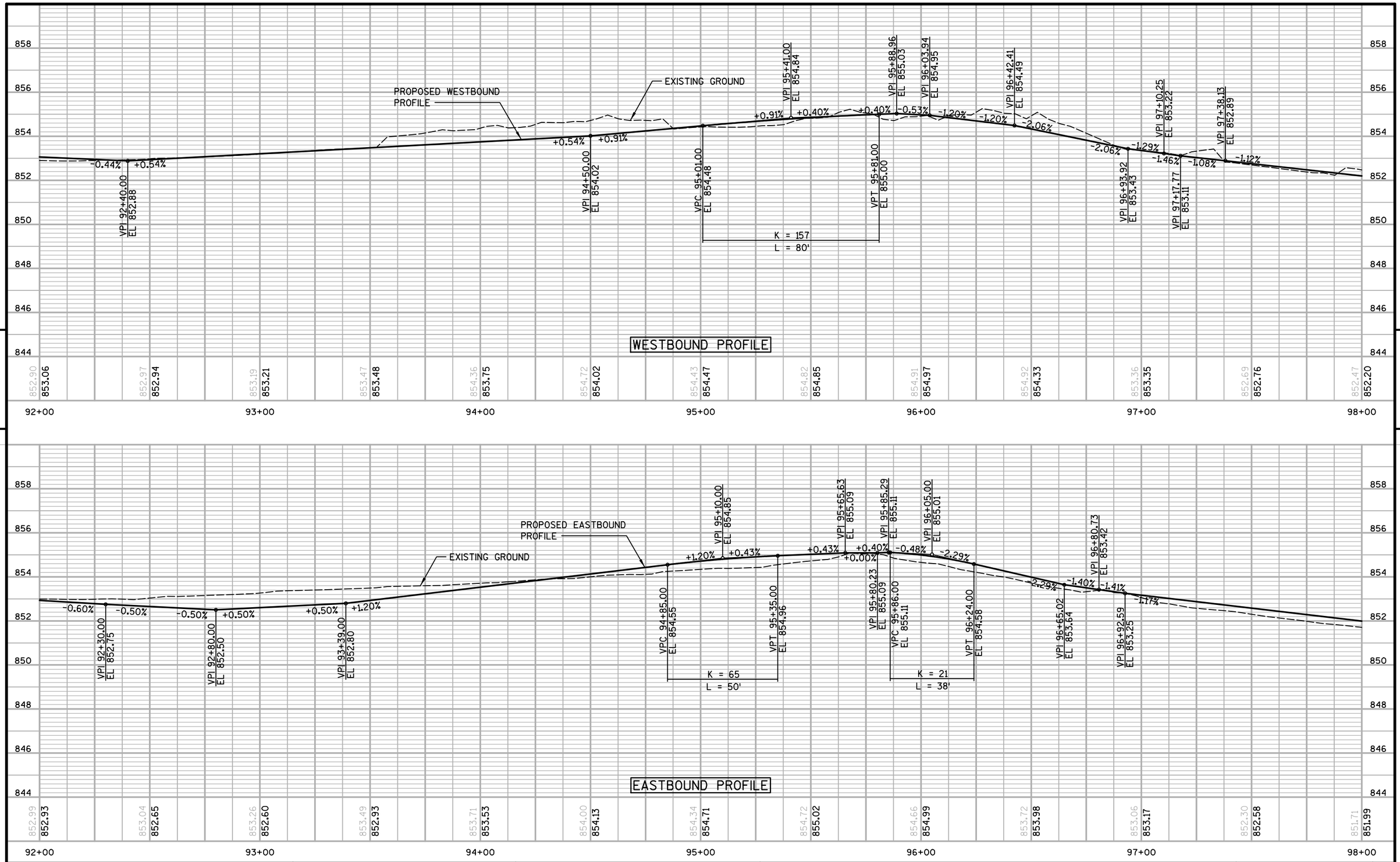
97+00

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



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

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)

TLE

APPROX. LIMITS OF CONTAMINATED SOIL

AT&T WISCONSIN (COMMUNICATIONS)

SOO LINE RR CO ROOM 1420
1894 E. JOHNSON STREET

AT&T - LONG LINES (COMMUNICATIONS)

WINDSTREAM (COMMUNICATIONS)

ADJUSTING MANHOLE COVERS REQ'D (MMSD)

AMERICAN TRANSMISSION COMPANY & LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)

AMERICAN TRANSMISSION COMPANY (ELECTRIC)

FIRST JOHNSON CORPORATION
1898 E. JOHNSON STREET

END PROJECT
STA. 100+74.86
MATCH EXISTING

R/W

abandoned 54" MMSD BOX

abandoned 30" MMSD

STH 113

24" san. abandoned

MATCHLINE STA. 98+00

MATCHLINE STA. 104+00

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

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.

R/W

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 WATER UTILITY
212 N. FIRST STREET

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

STH 113 (N. 1ST ST.)

11+00 FI

+50 FI

12+00 FI

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)

AT&T WISCONSIN (COMMUNICATIONS)

WINDSTREAM (COMMUNICATIONS)

CITY OF MADISON (SANITARY SEWER)

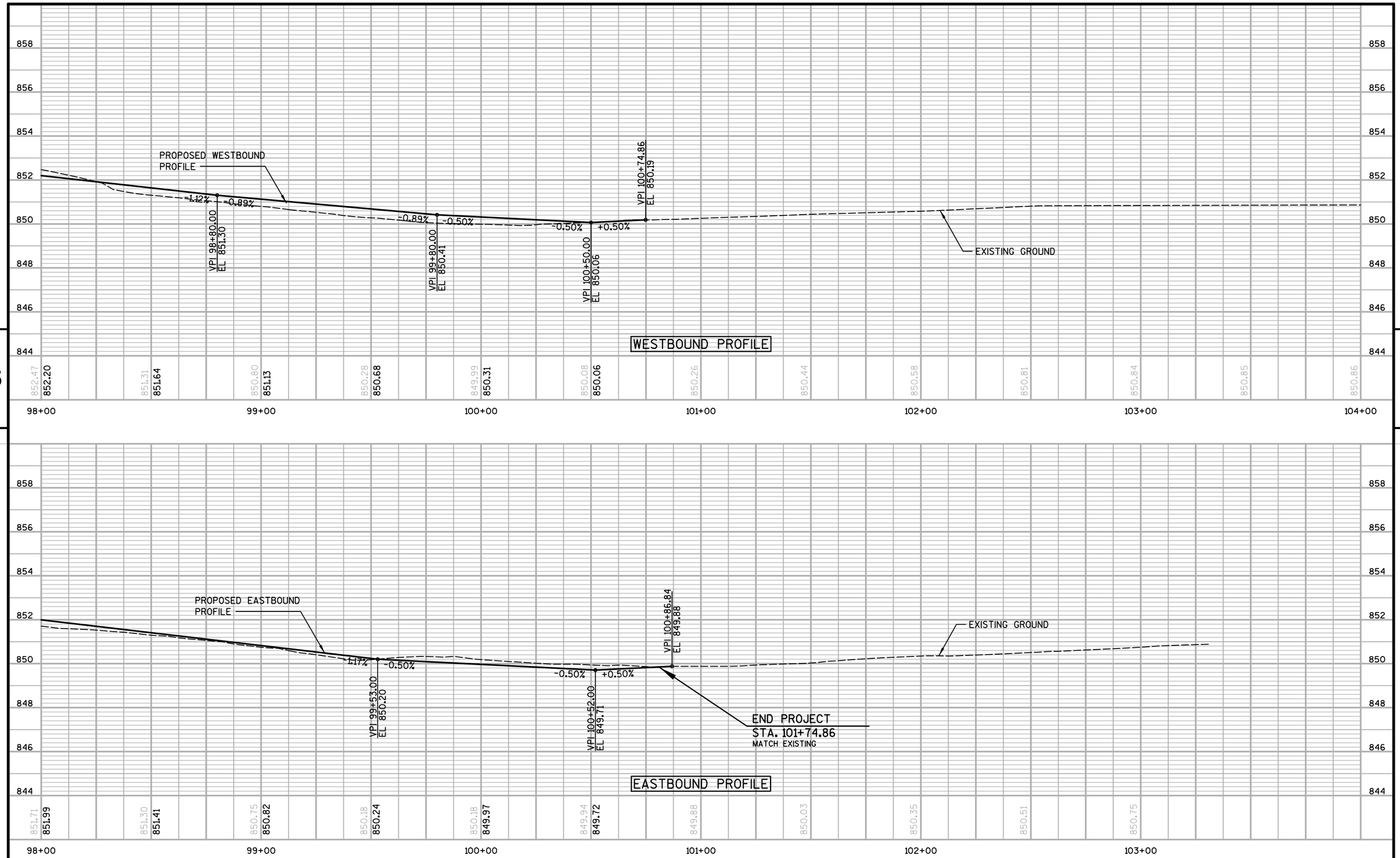
STA. 98+79 RT
CONSTRUCT C.E.

MATCHLINE STA. 104+00

105+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



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

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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)

STH 113 (N. FIRST ST.)

RECONSTRUCT MMSD SANITARY SEWER STRUCTURE REQ'D. LOCATE CASTING OUTSIDE OF PROPOSED CURB AND GUTTER.

CITY OF MADISON (ELECTRIC)

CAUTION

MATCHLINE STA. 15+00 FI

R/W

AT&T WISCONSIN (COMMUNICATIONS)

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

MADISON GAS & ELECTRIC (GAS)

MADISON METROPOLITAN SEWERAGE DISTRICT (SANITARY SEWER)

STA. 11+38 FI RT CONSTRUCT C.E.

MADISON GAS & ELECTRIC (ELECTRIC) TLE

SLOPE INTERCEPTS (TYP.)

BUILDING REMOVED BY OTHERS PRIOR TO CONSTRUCTION

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

CHARTER COMMUNICATIONS (COMMUNICATIONS)

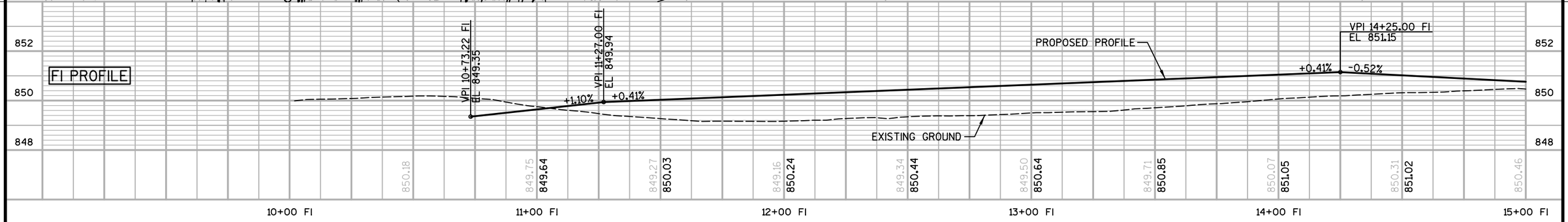
US SIGNAL (COMMUNICATIONS)

STA. 12+78 FI RT CONSTRUCT C.E.

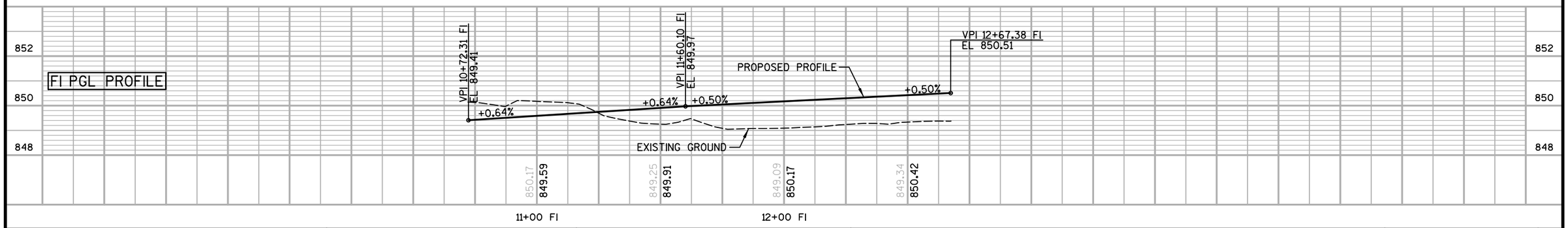
STA. 13+83 FI RT CONSTRUCT C.E.

STA. 14+37 FI RT CONSTRUCT C.E.

FI PROFILE



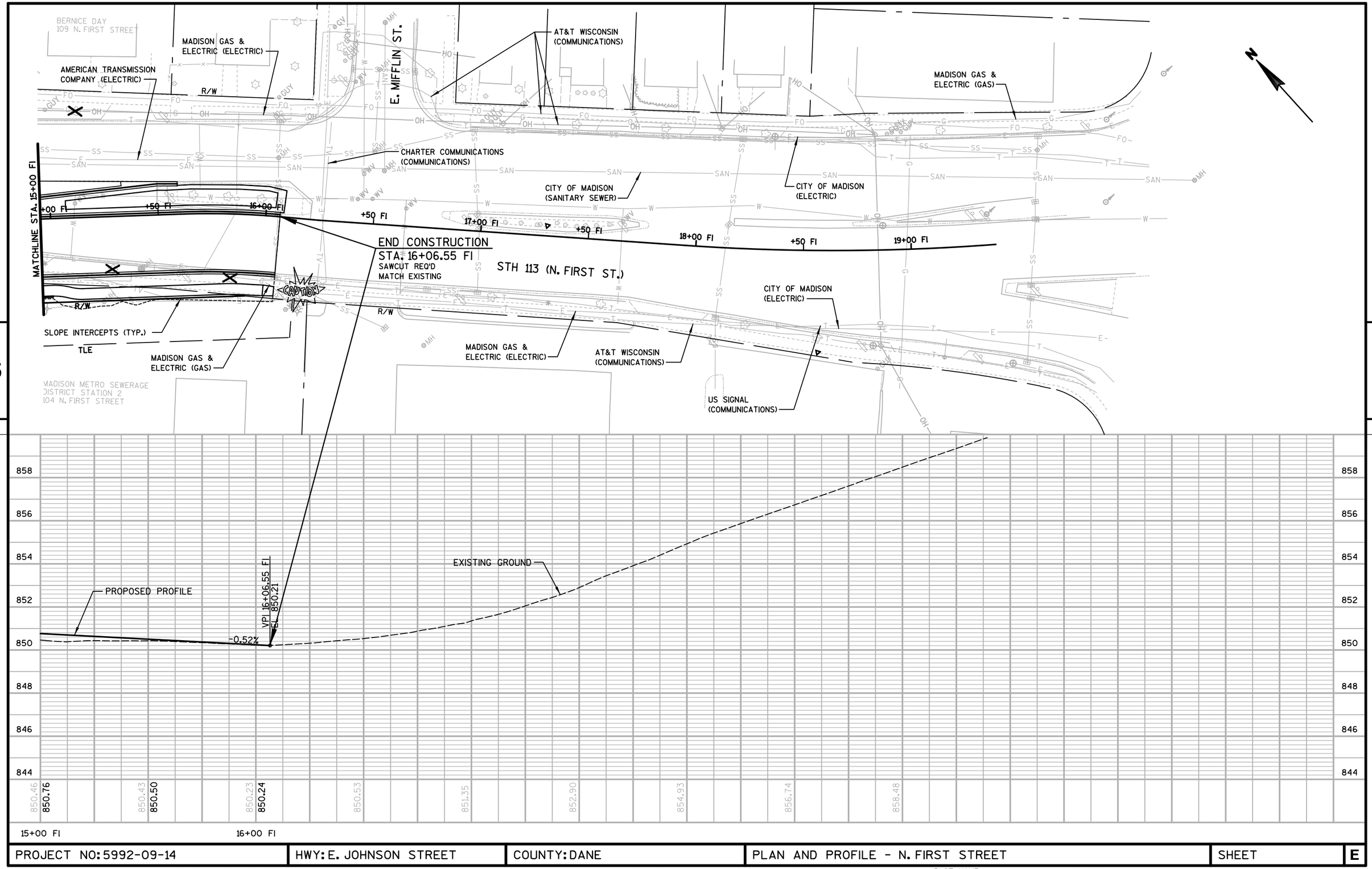
FI PGL PROFILE



PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILE - N. FIRST STREET	SHEET	E

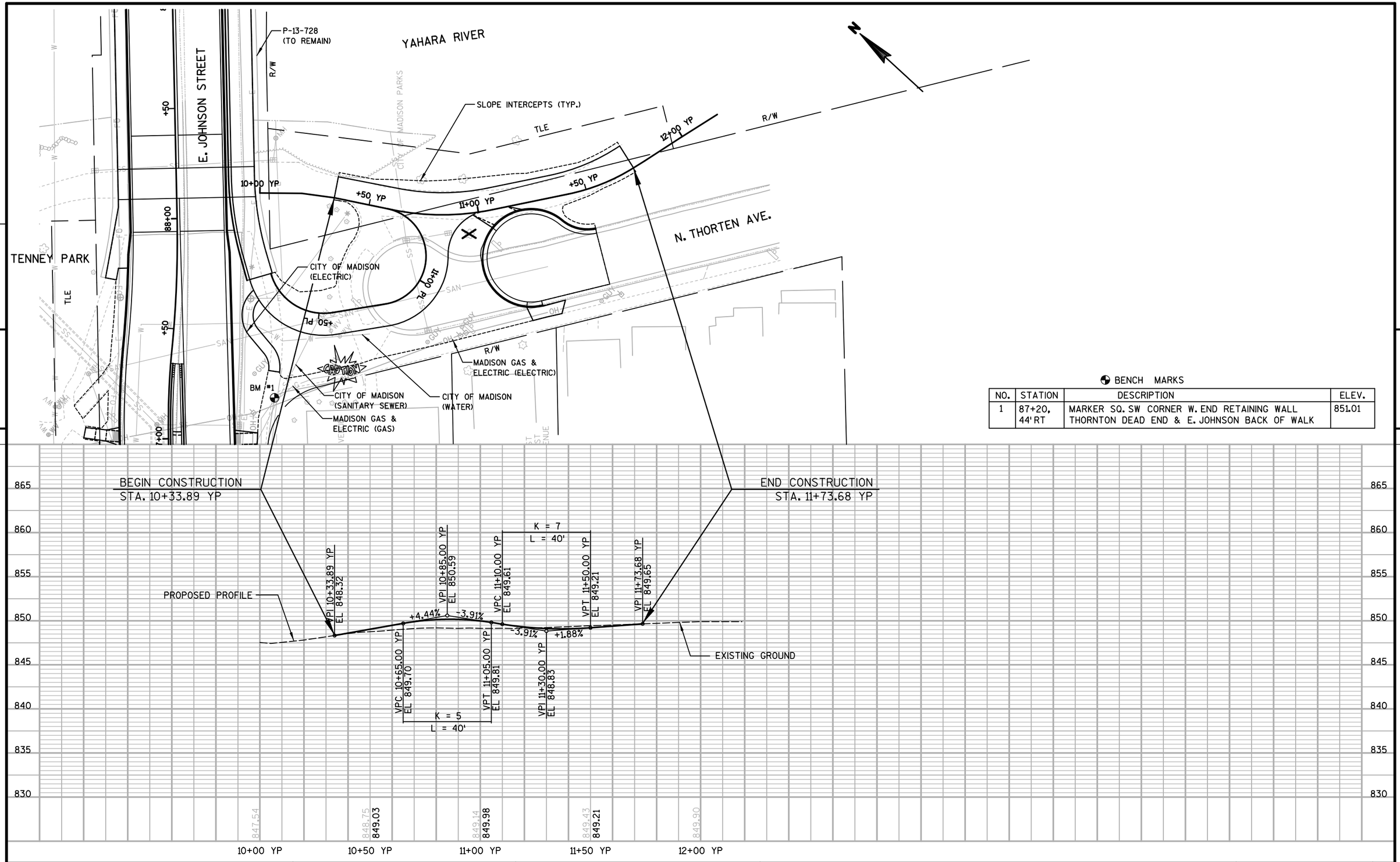
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WISDOT/CADDS SHEET 30



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 : $$.....plotscale.....$$



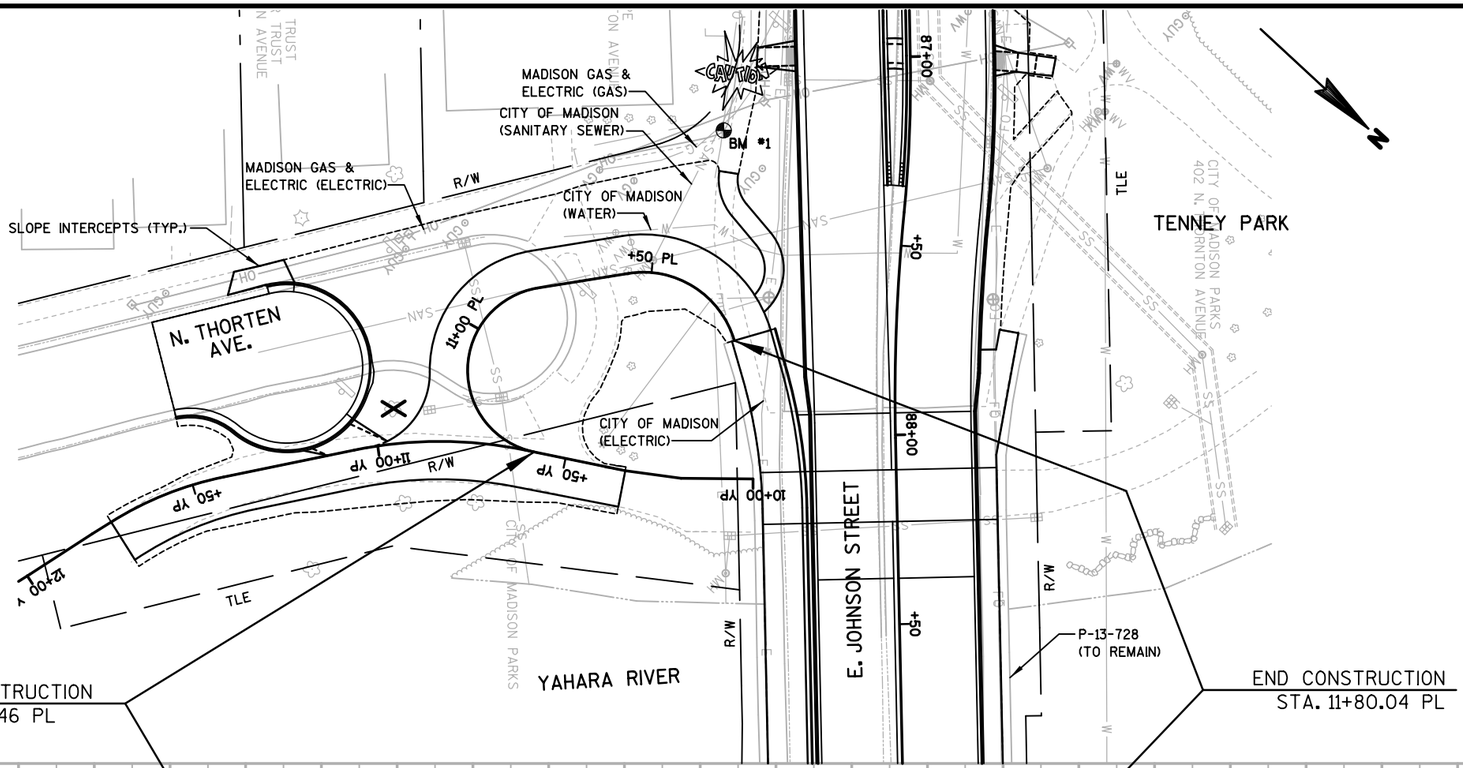
BENCH MARKS

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	E

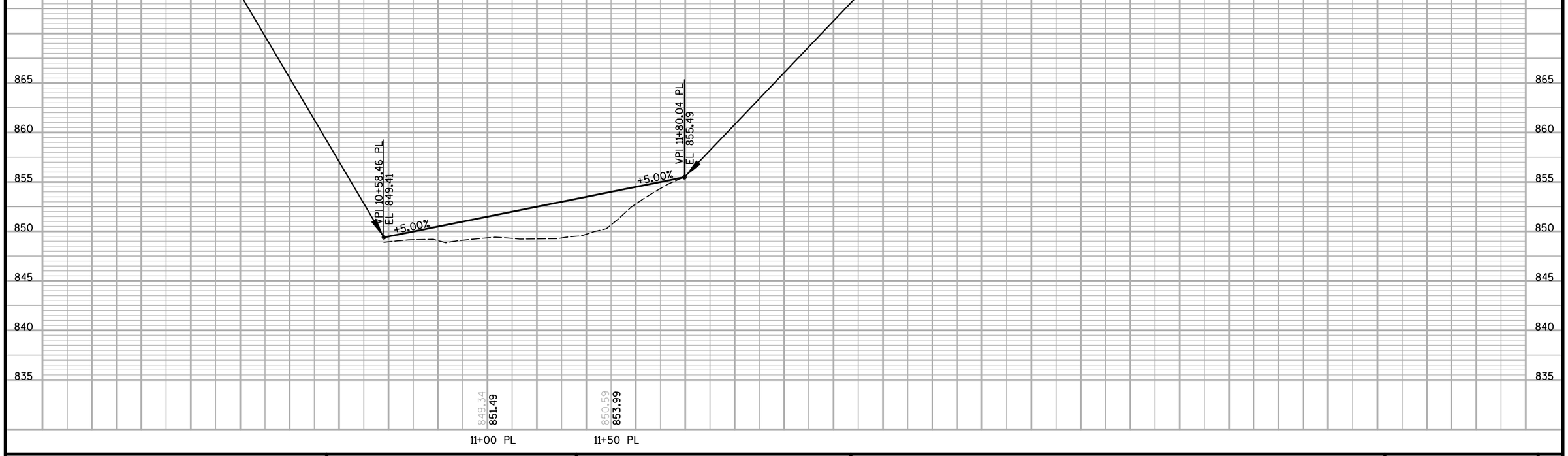
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WISDOT/CADDS SHEET 40



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

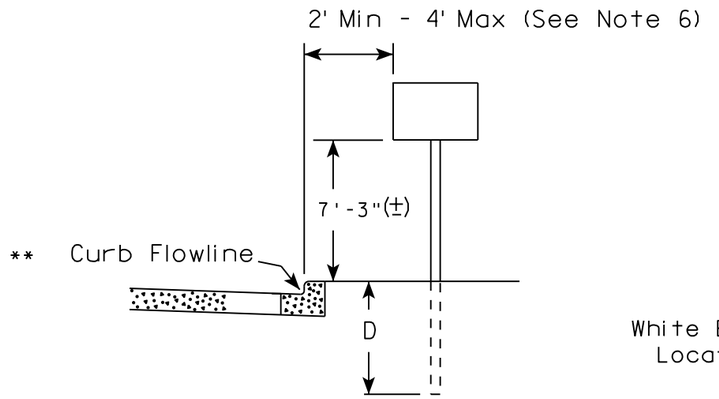


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	PLAN AND PROFILES - PL LINE	SHEET	E

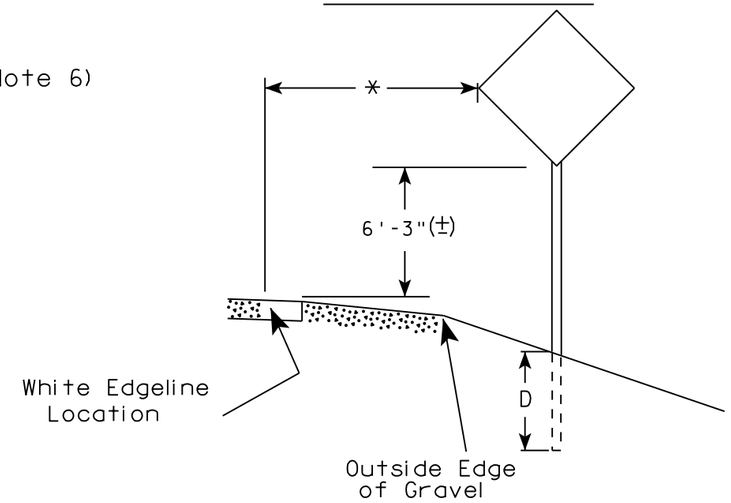
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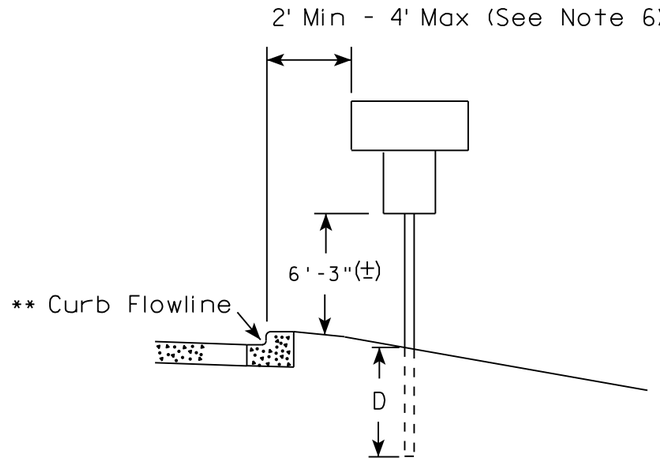
WISDOT/CADDS SHEET 40

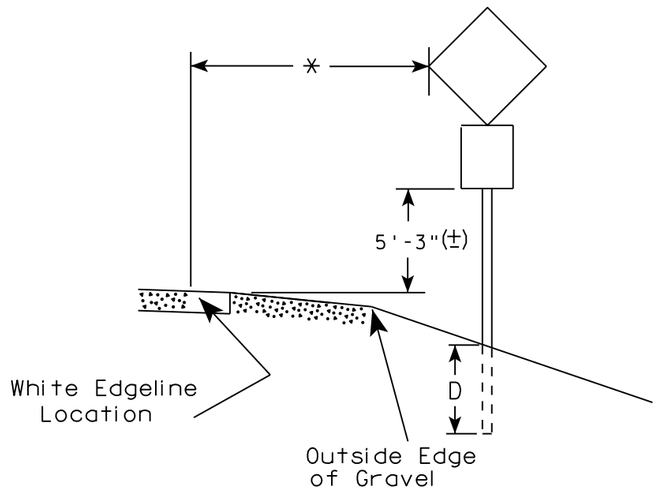
URBAN AREA



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

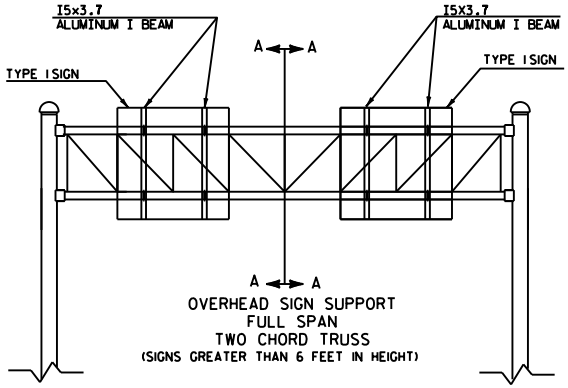
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

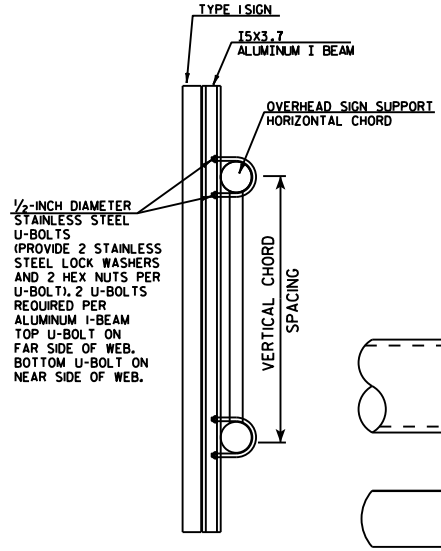
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

GENERAL NOTES

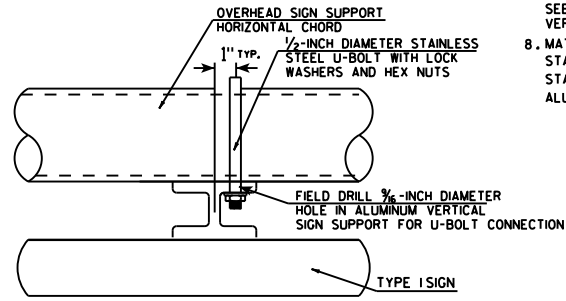
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE 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.



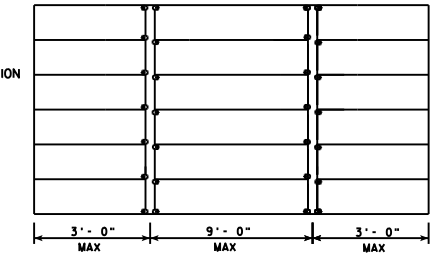
OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



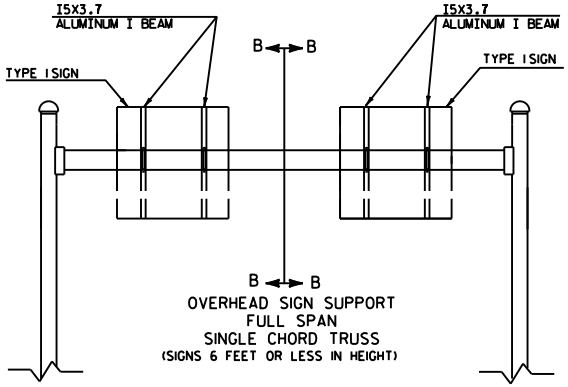
CUT SECTION A-A



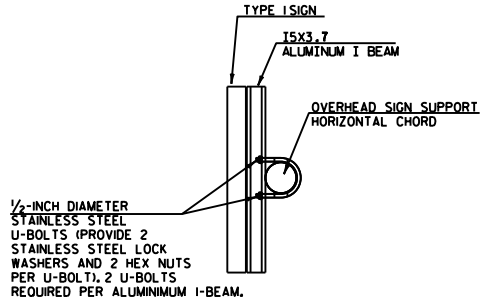
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW



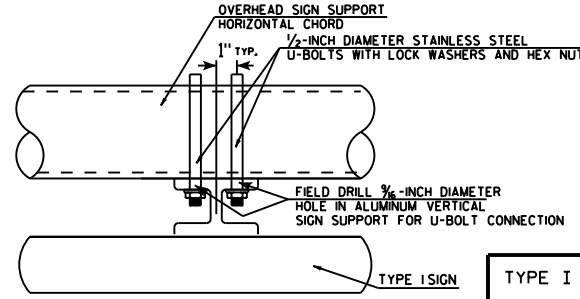
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



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

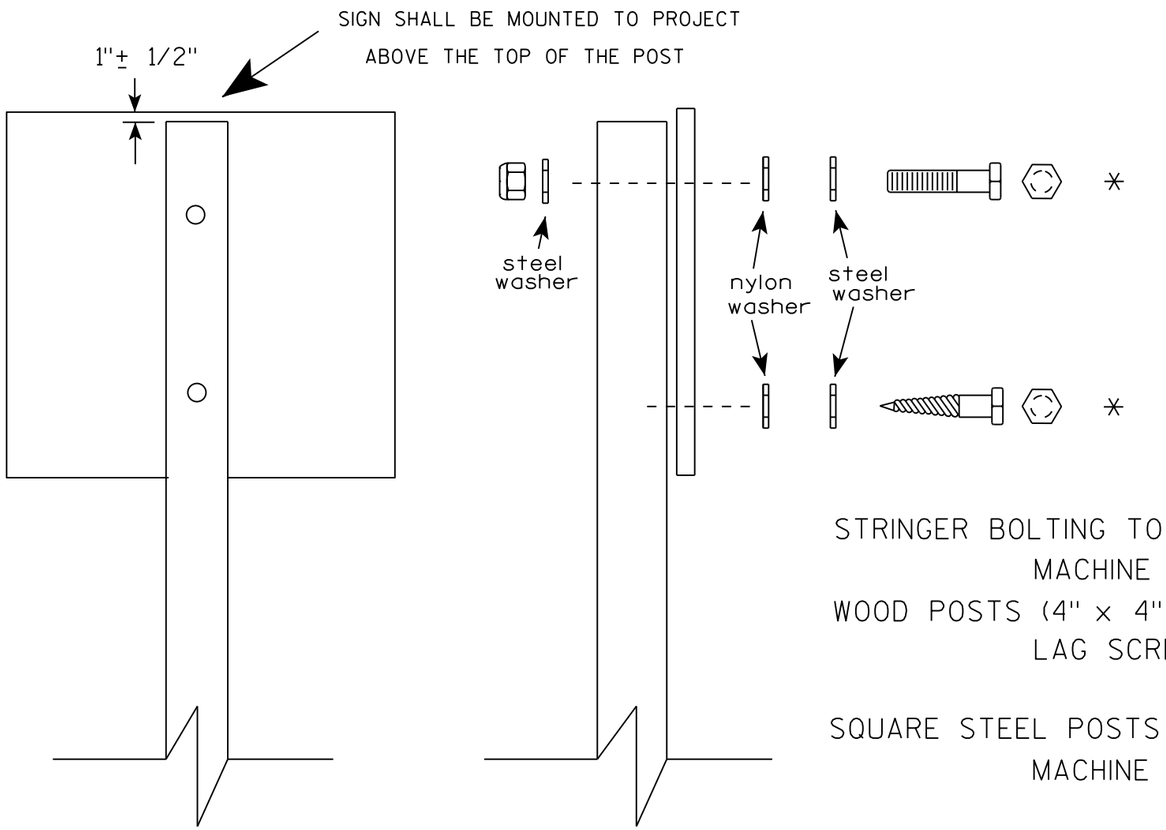
TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

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

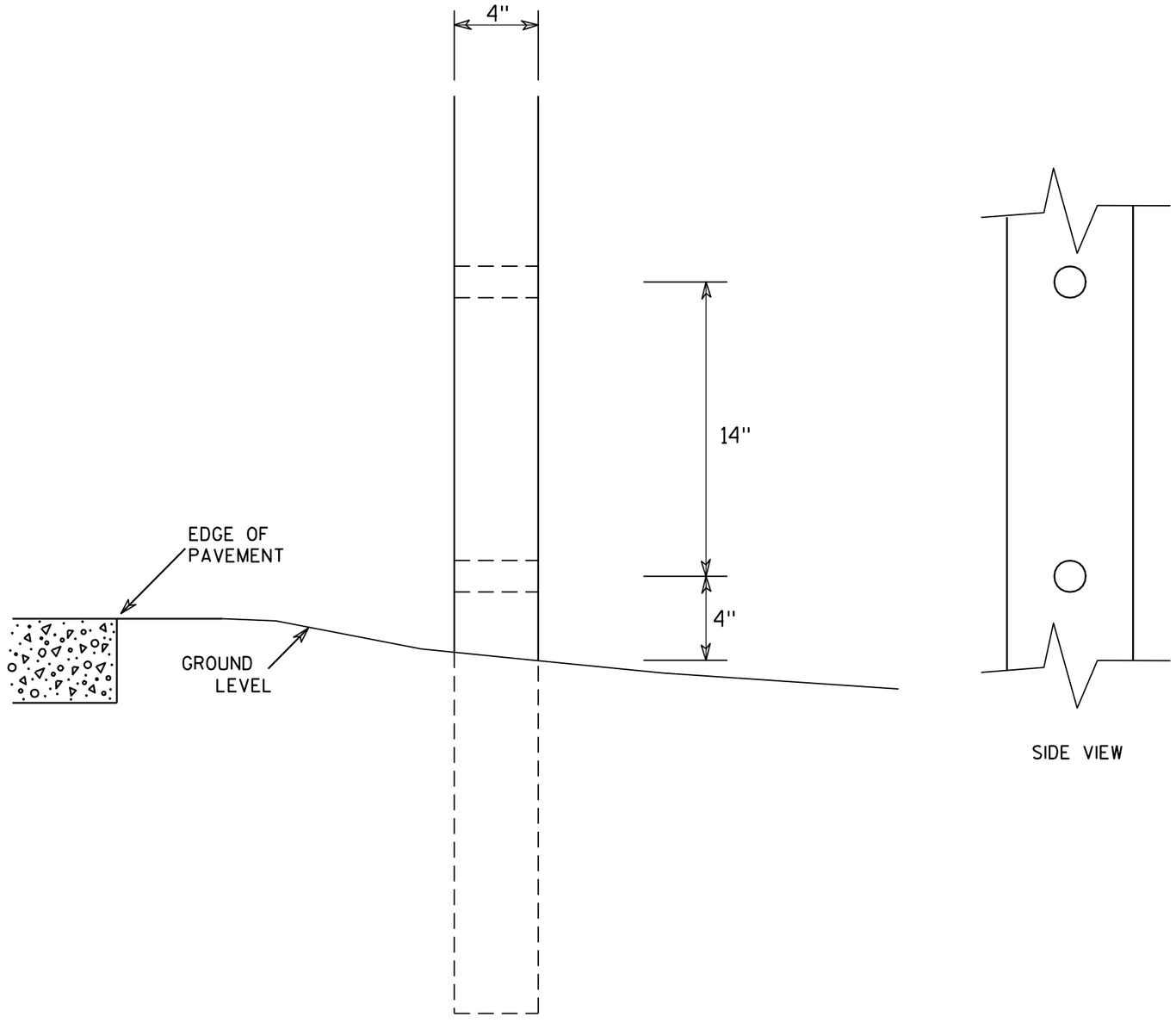
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

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

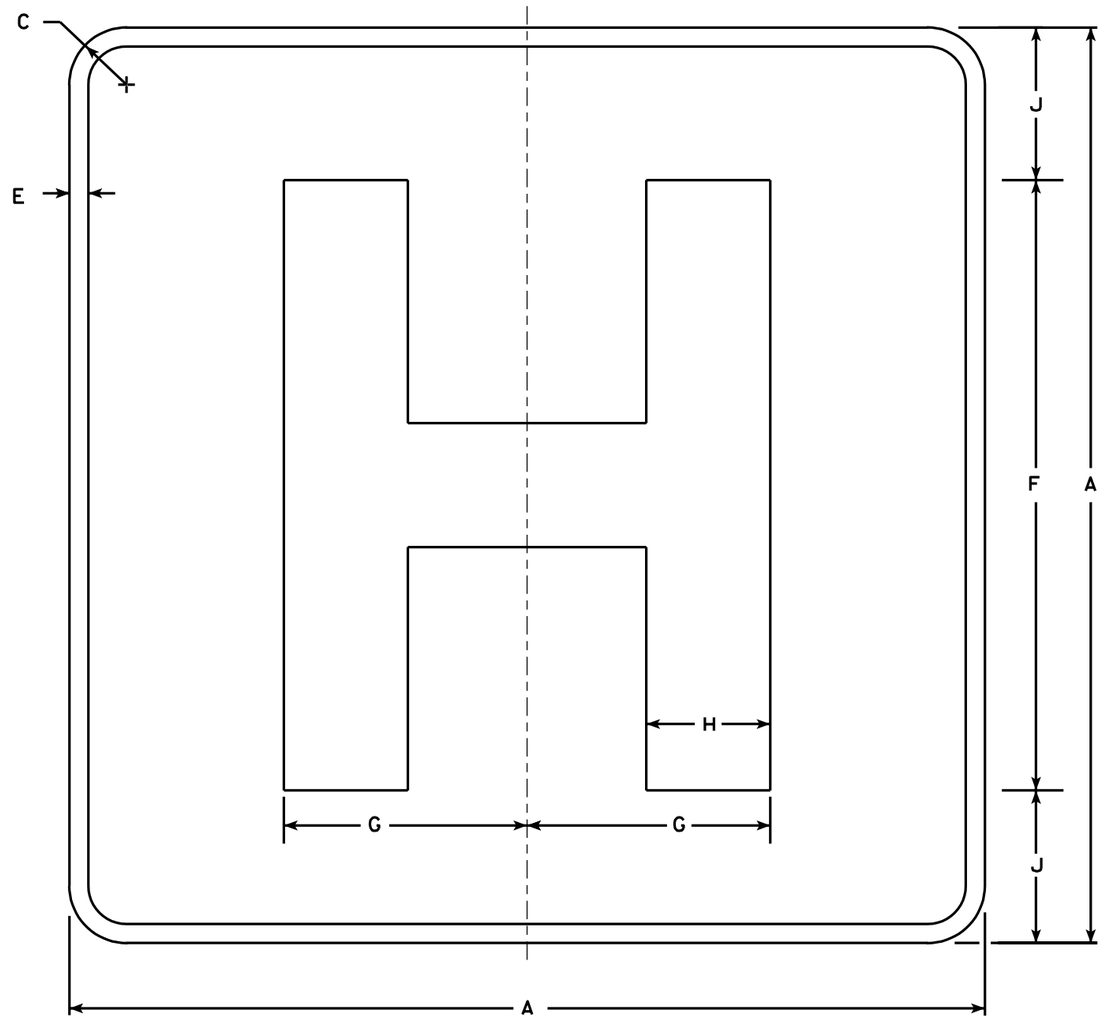
4 X 6 WOOD POST MODIFICATIONS

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:	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																											

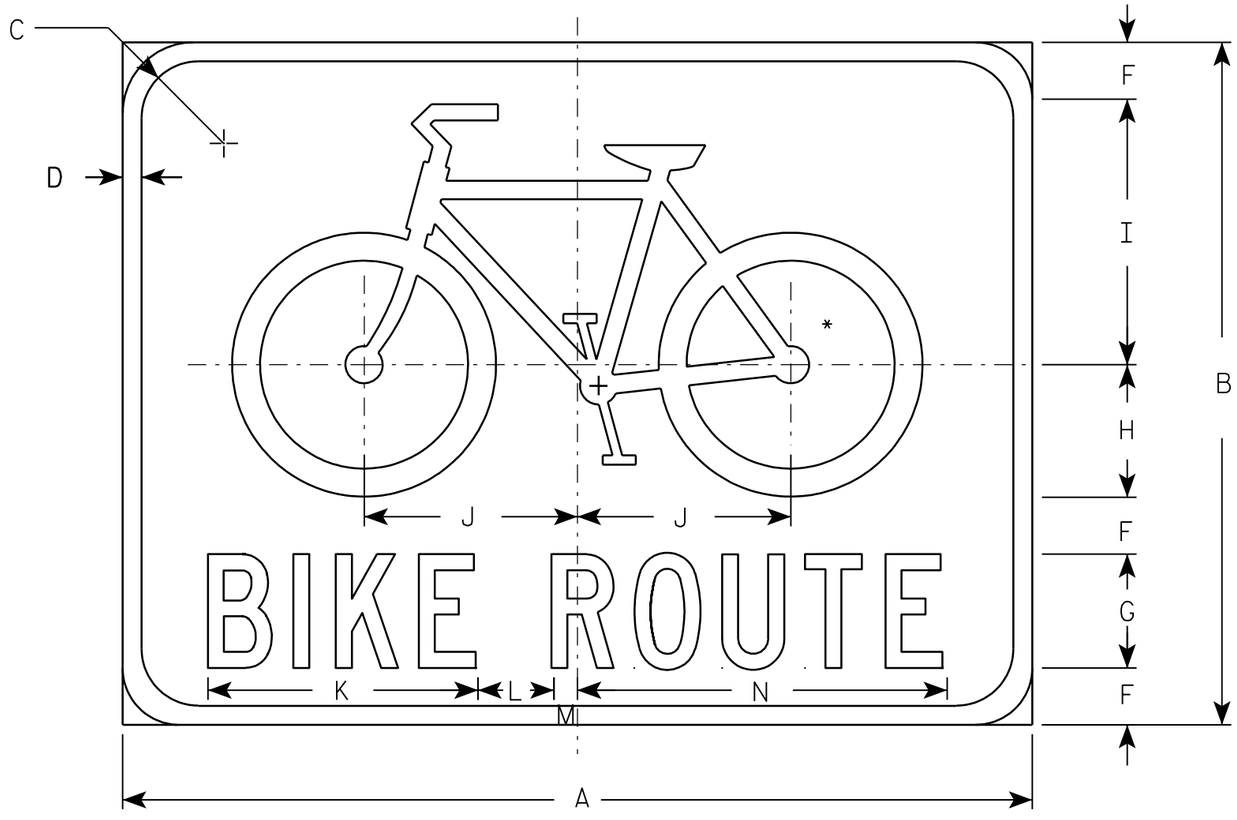
STANDARD SIGN
D9-2

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: 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

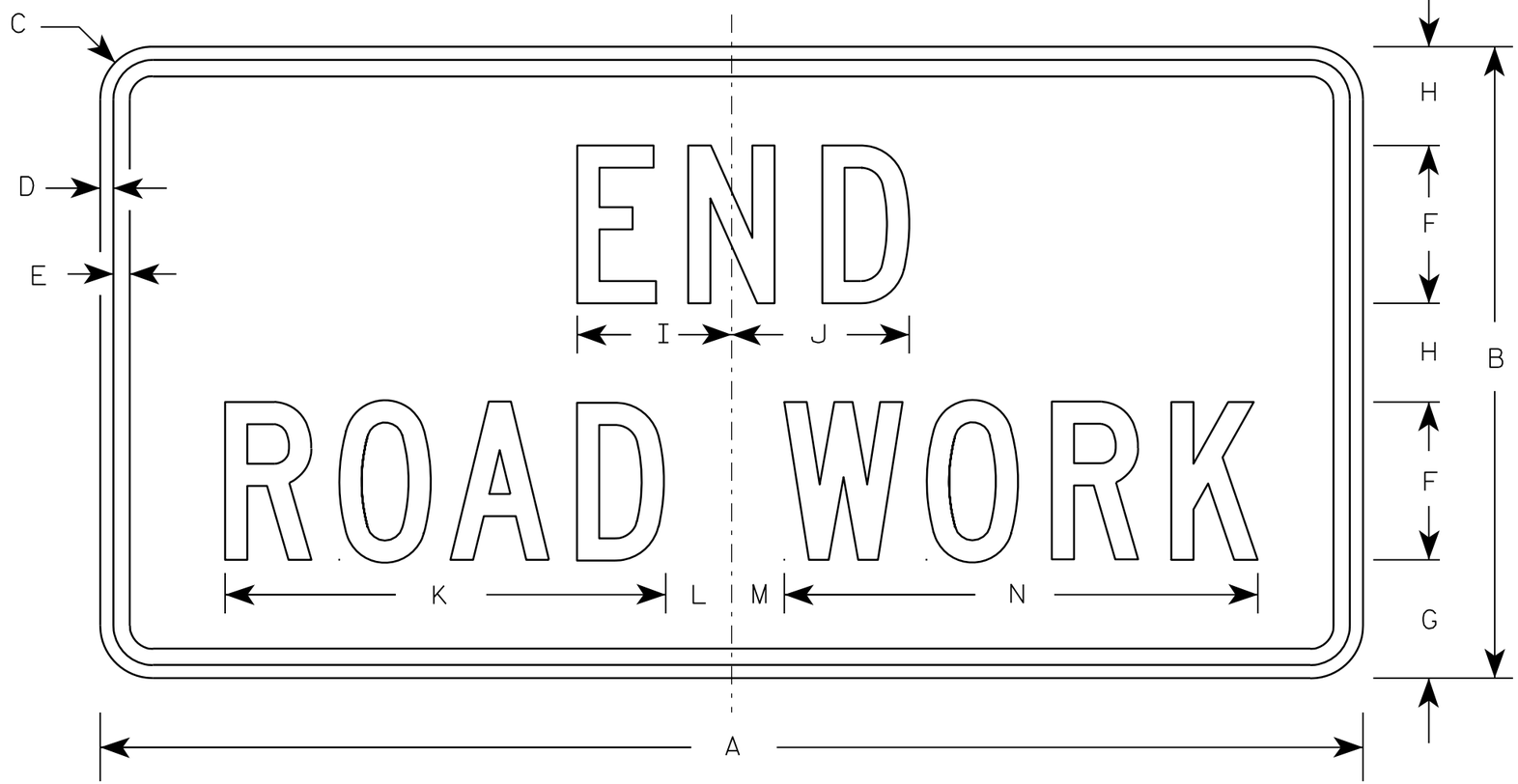
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/04 PLATE NO. D11-1.1

PROJECT NO: | SHEET NO: E

FILE NAME : C:\Users\Projects\tr_stdplate\D111.DGN PLOT DATE : 17-MAR-2005 10:38 PLOT BY : DOTDZK

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

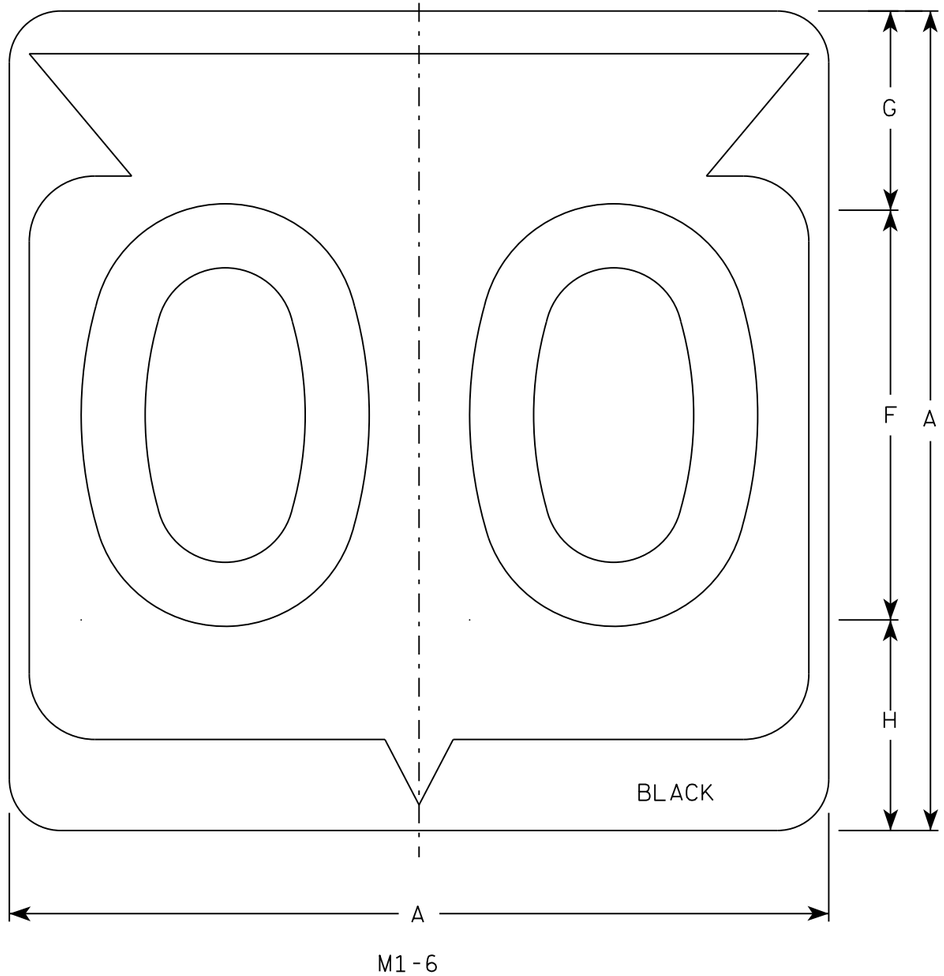
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

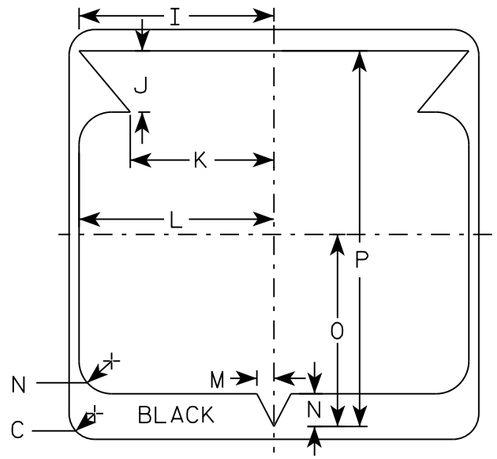
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

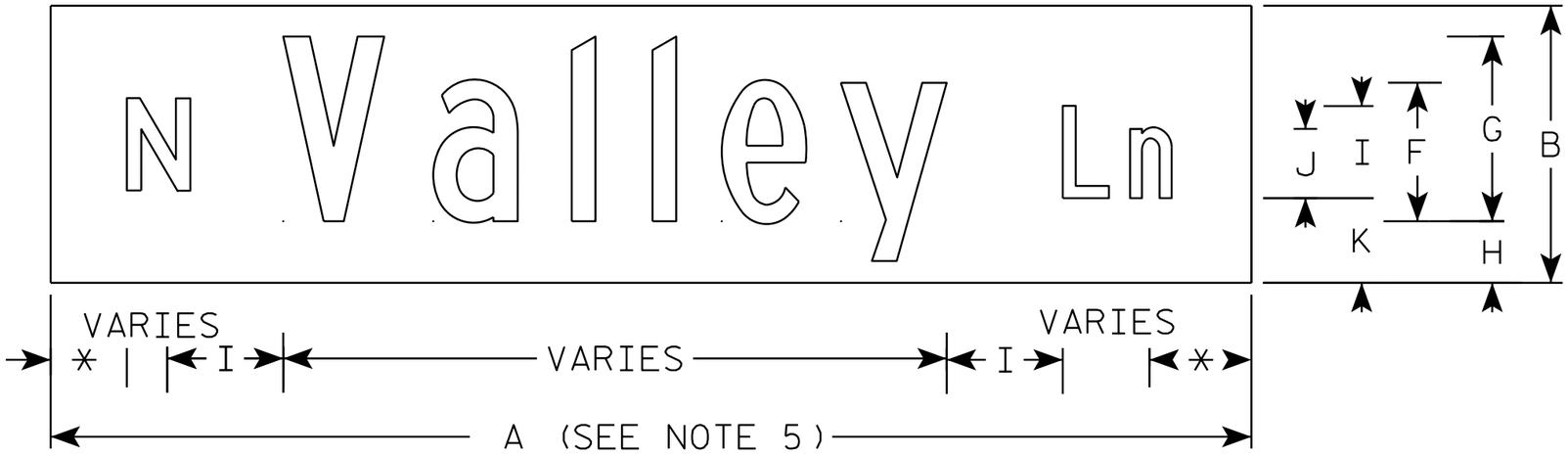
DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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																											

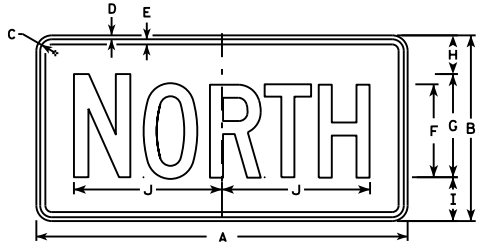
STANDARD SIGN
M1-94H

WISCONSIN DEPT OF TRANSPORTATION

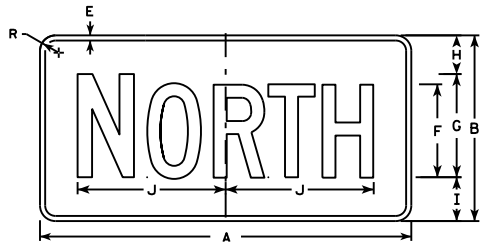
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 10/16/14 PLATE NO. M1-94H.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M3-1
MM3-1
MP3-1



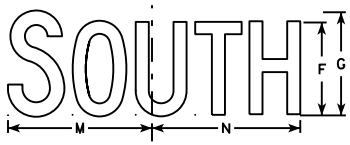
MB3-1
MK3-1
MN3-1



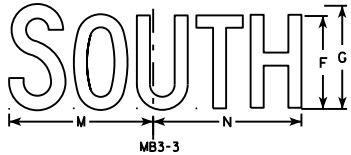
M3-2
MM3-2
MP3-2



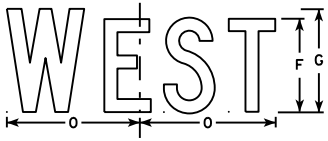
MB3-2
MK3-2
MN3-2



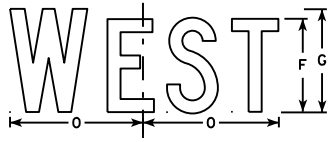
M3-3
MM3-3
MP3-3



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

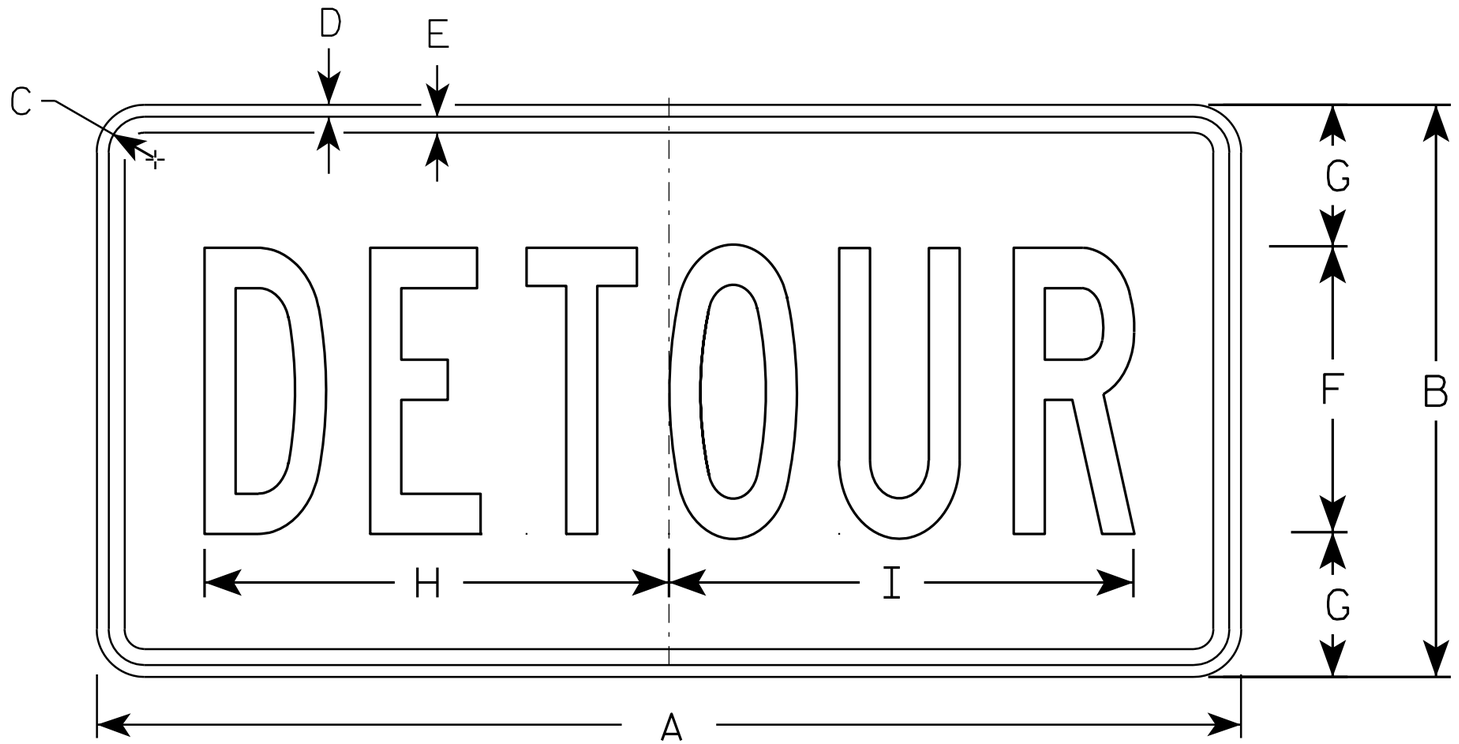
WISCONSIN DEPT OF TRANSPORTATION

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



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																											

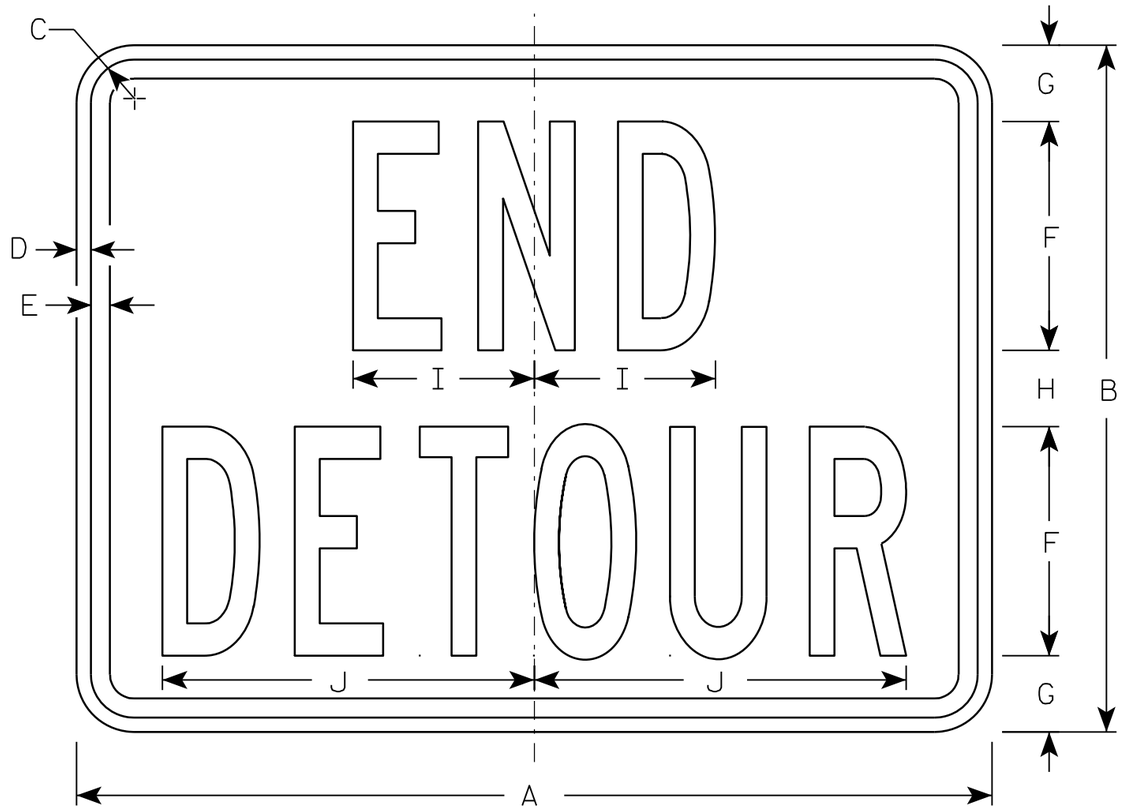
STANDARD SIGN
M4-8

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:	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																											

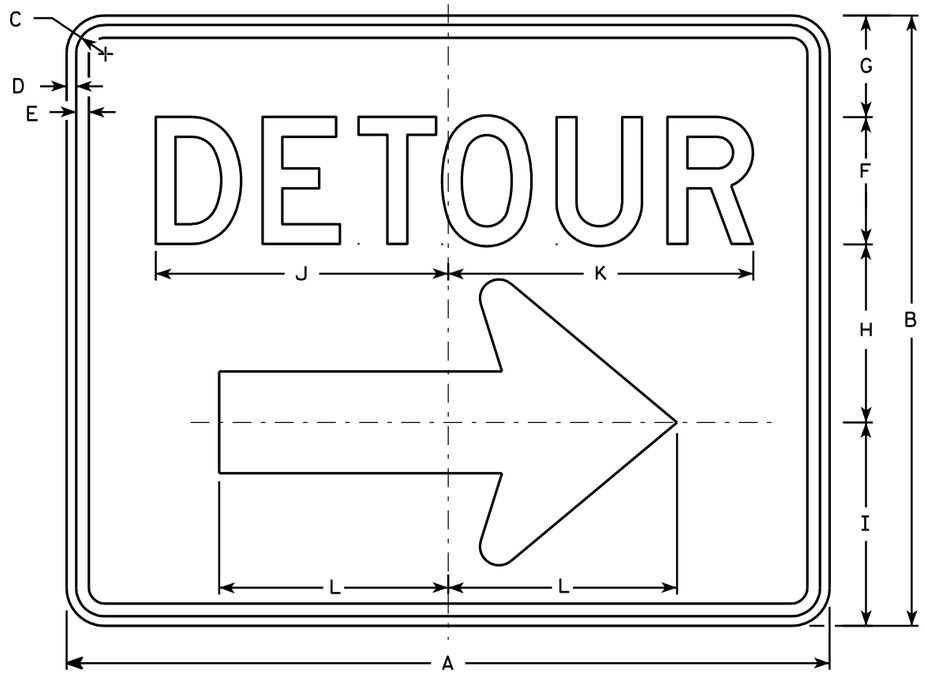
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

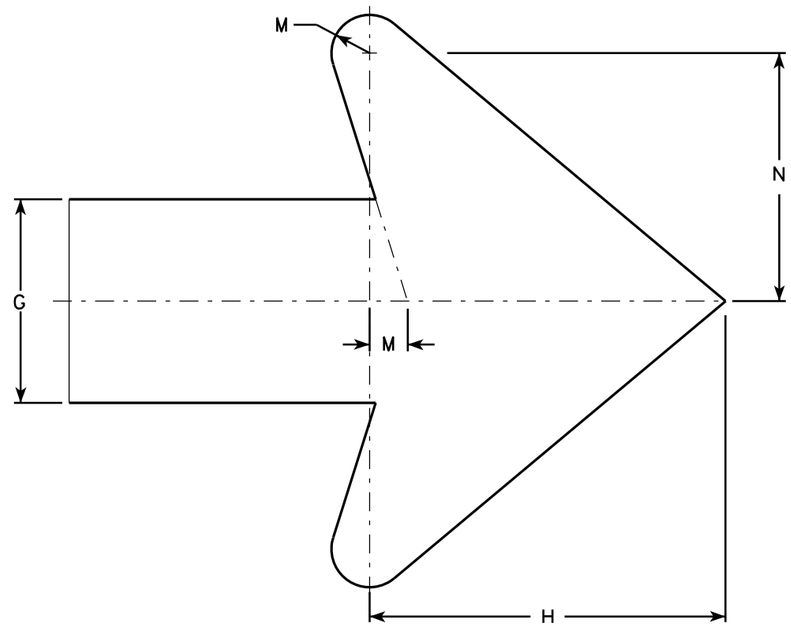
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

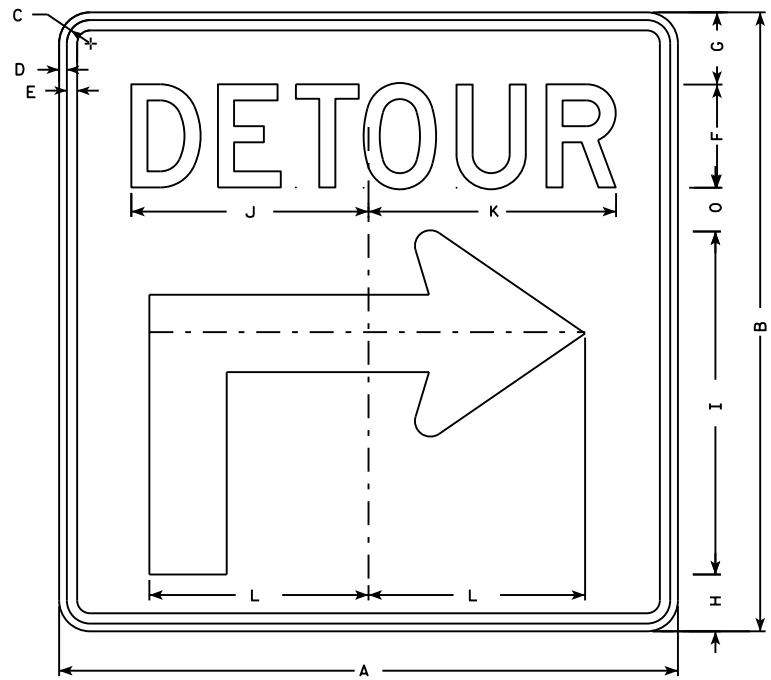
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

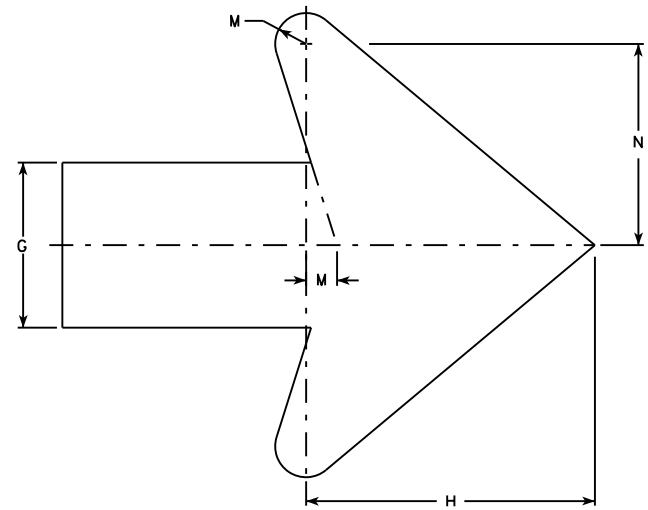
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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.



M4-59R



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

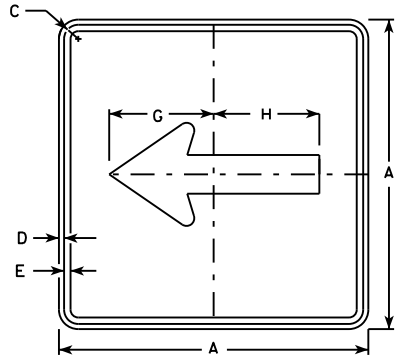
STANDARD SIGN
M4-59 L&R

WISCONSIN DEPT OF TRANSPORTATION

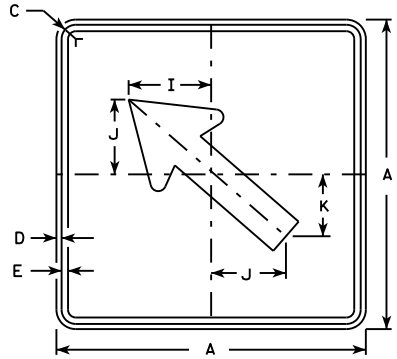
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE NO. M4-59.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



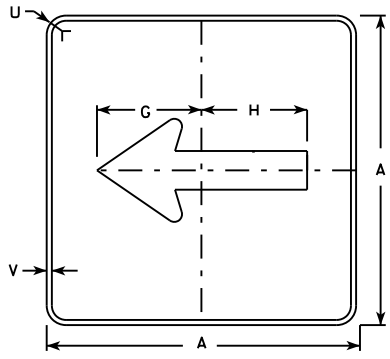
M6-1
MM6-1
MO6-1
MP6-1



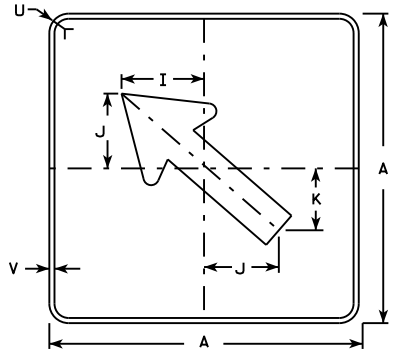
M6-2
MM6-2
MO6-2
MP6-2

NOTES

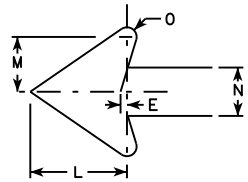
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

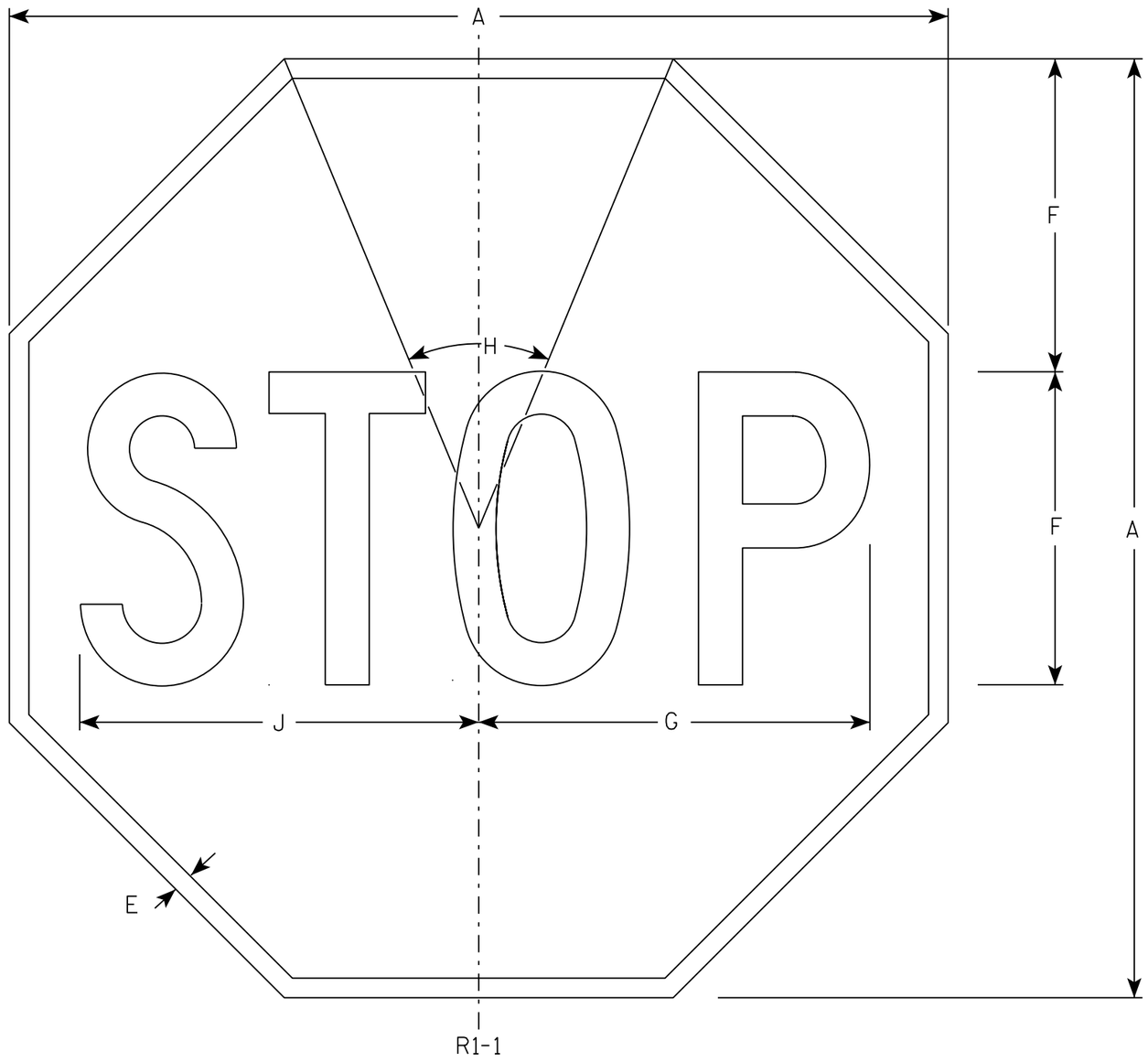
STANDARD SIGN
M6-1 & M6-2
SERIES

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

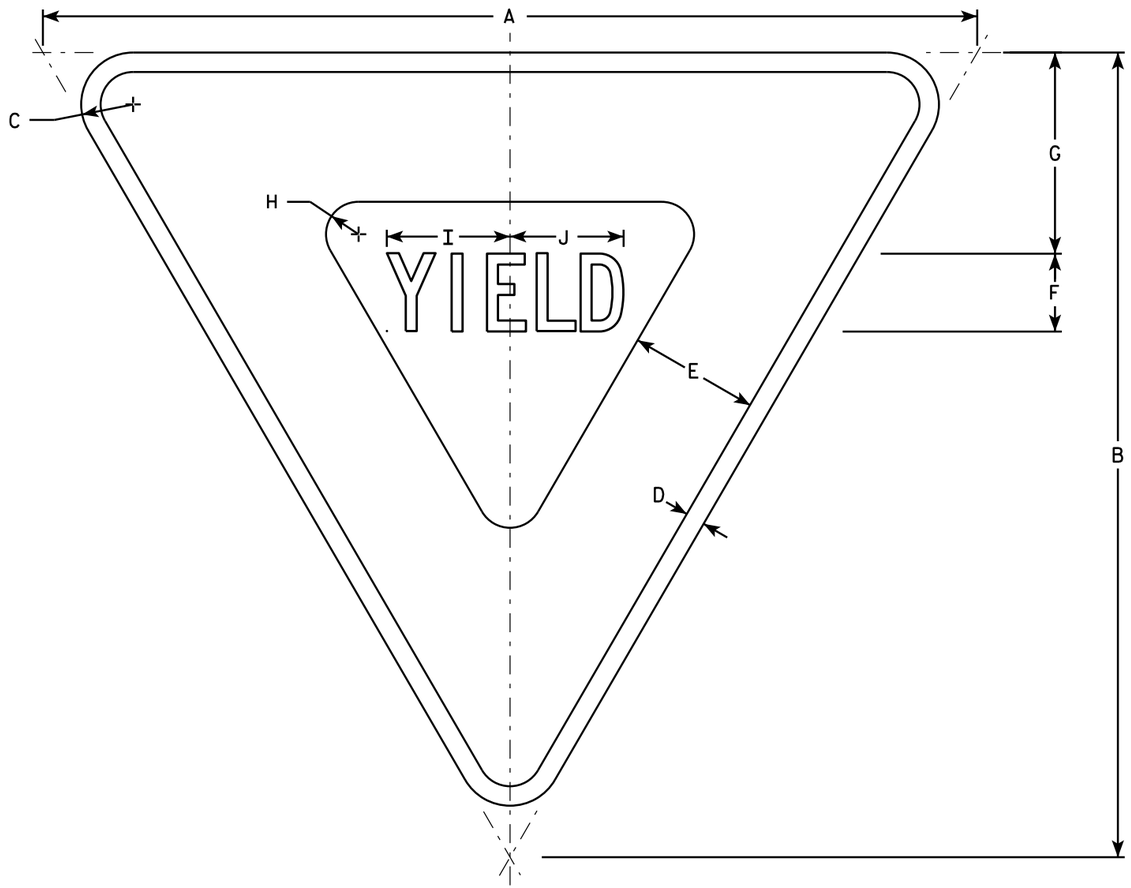
STANDARD SIGN
R1-1

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:	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

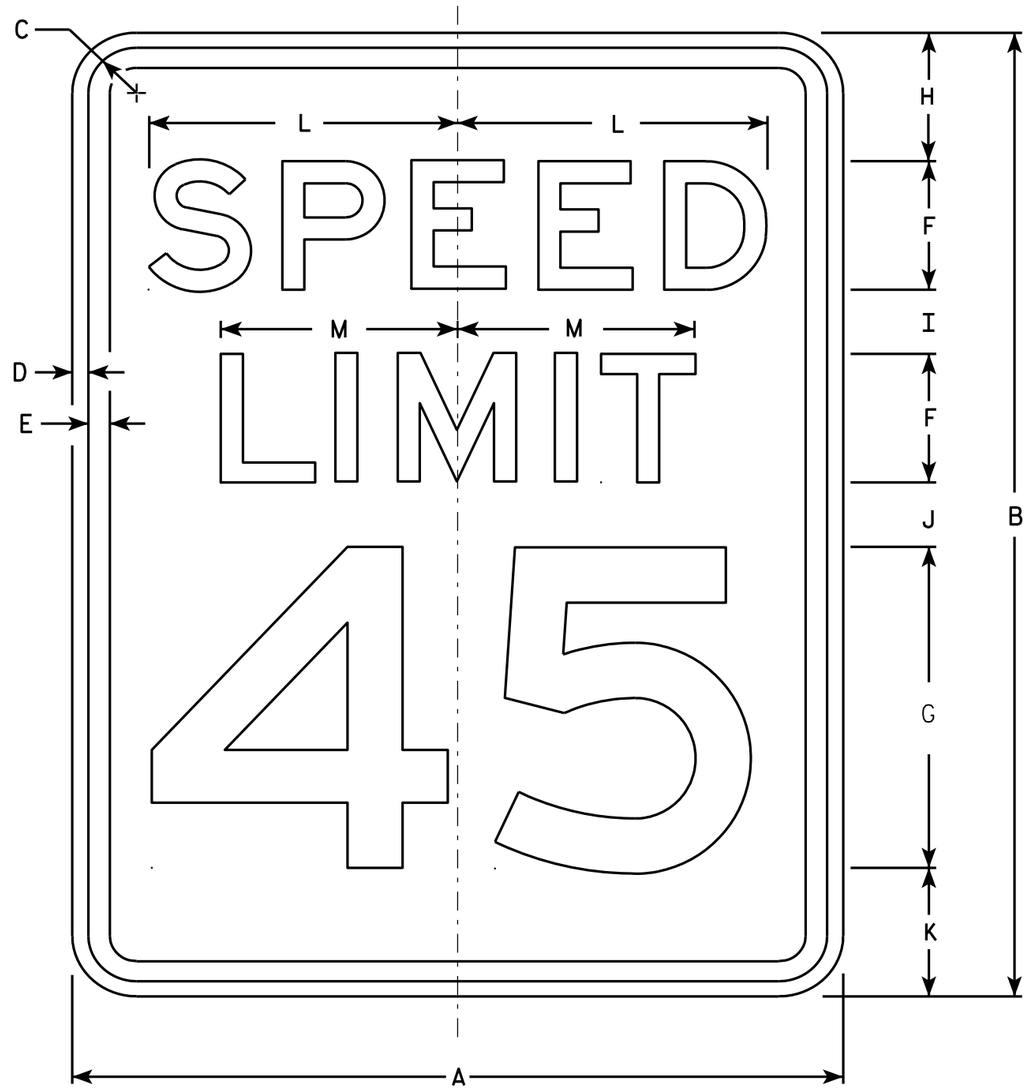
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE NO. R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

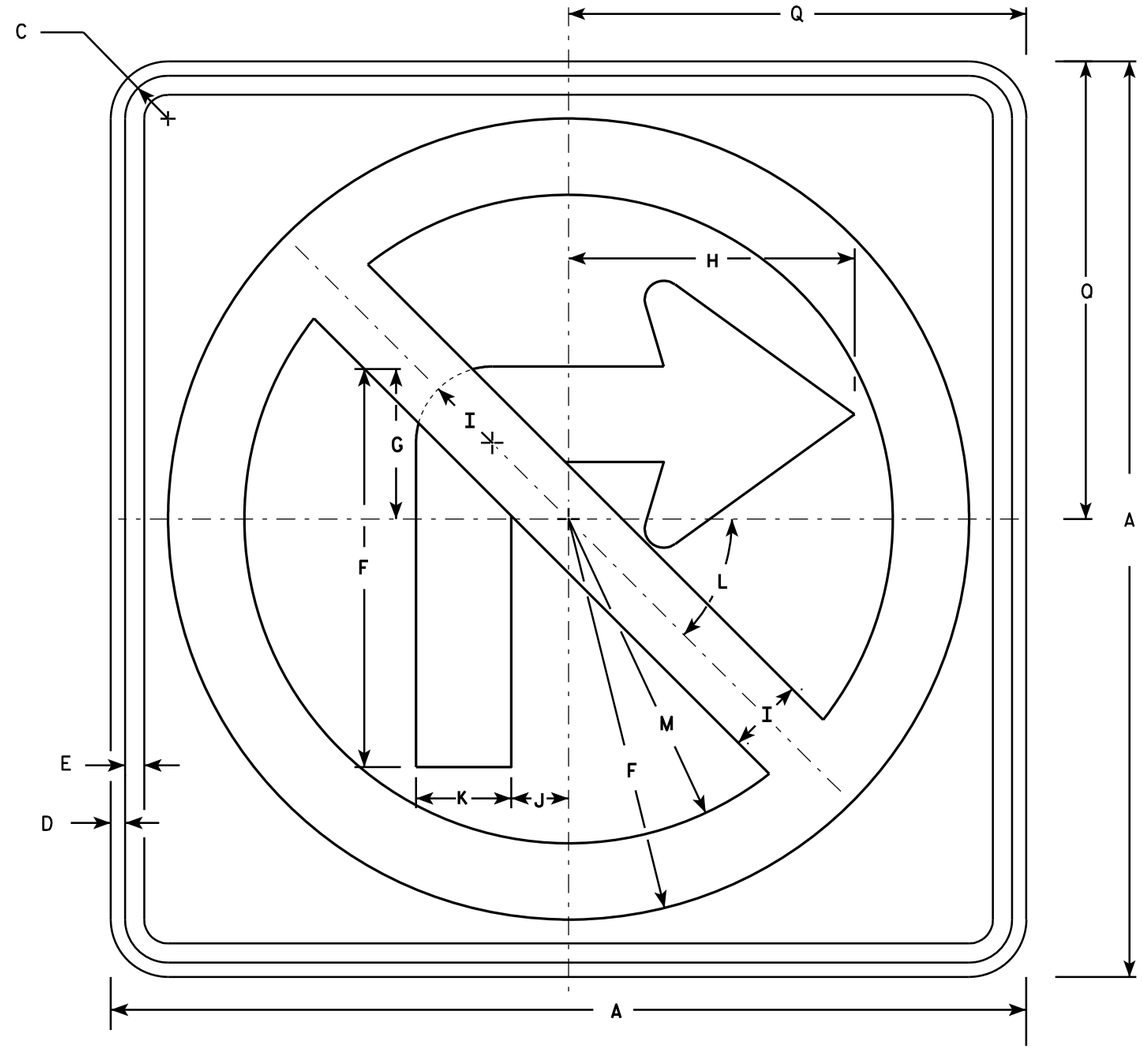
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

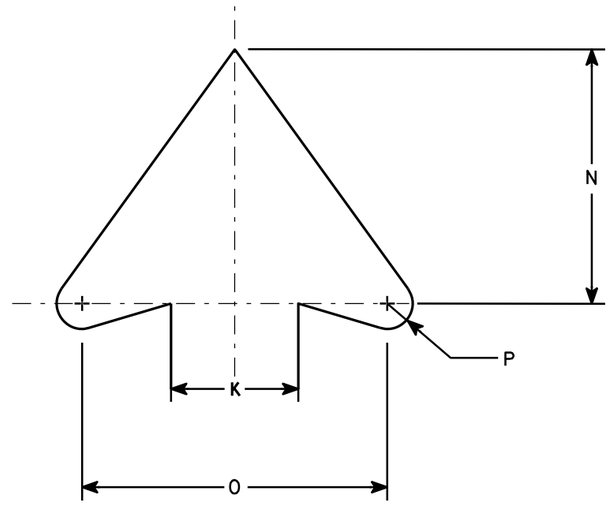
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

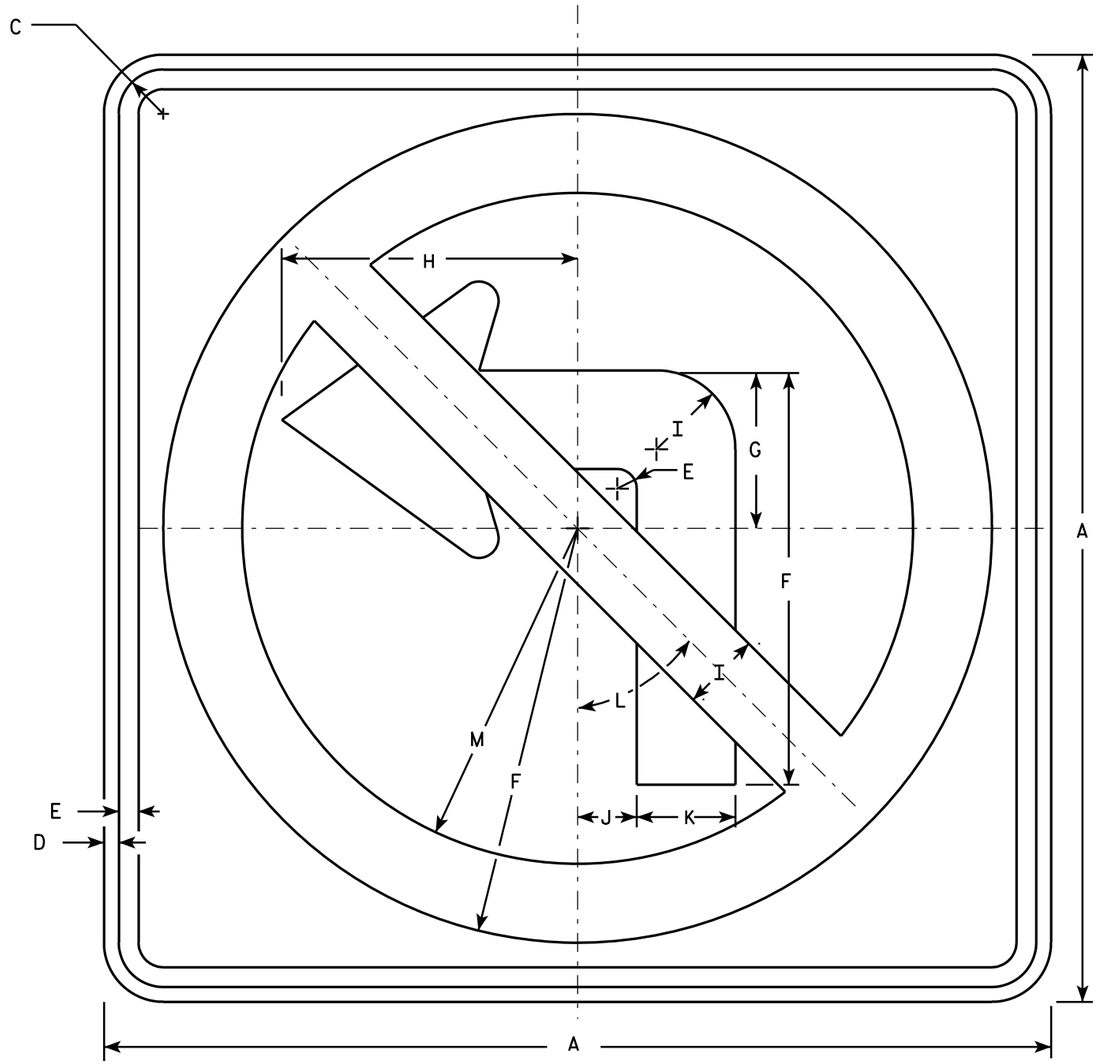
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

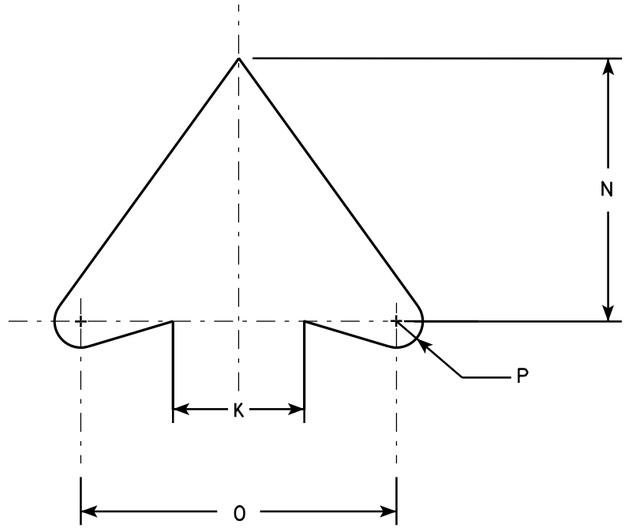
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

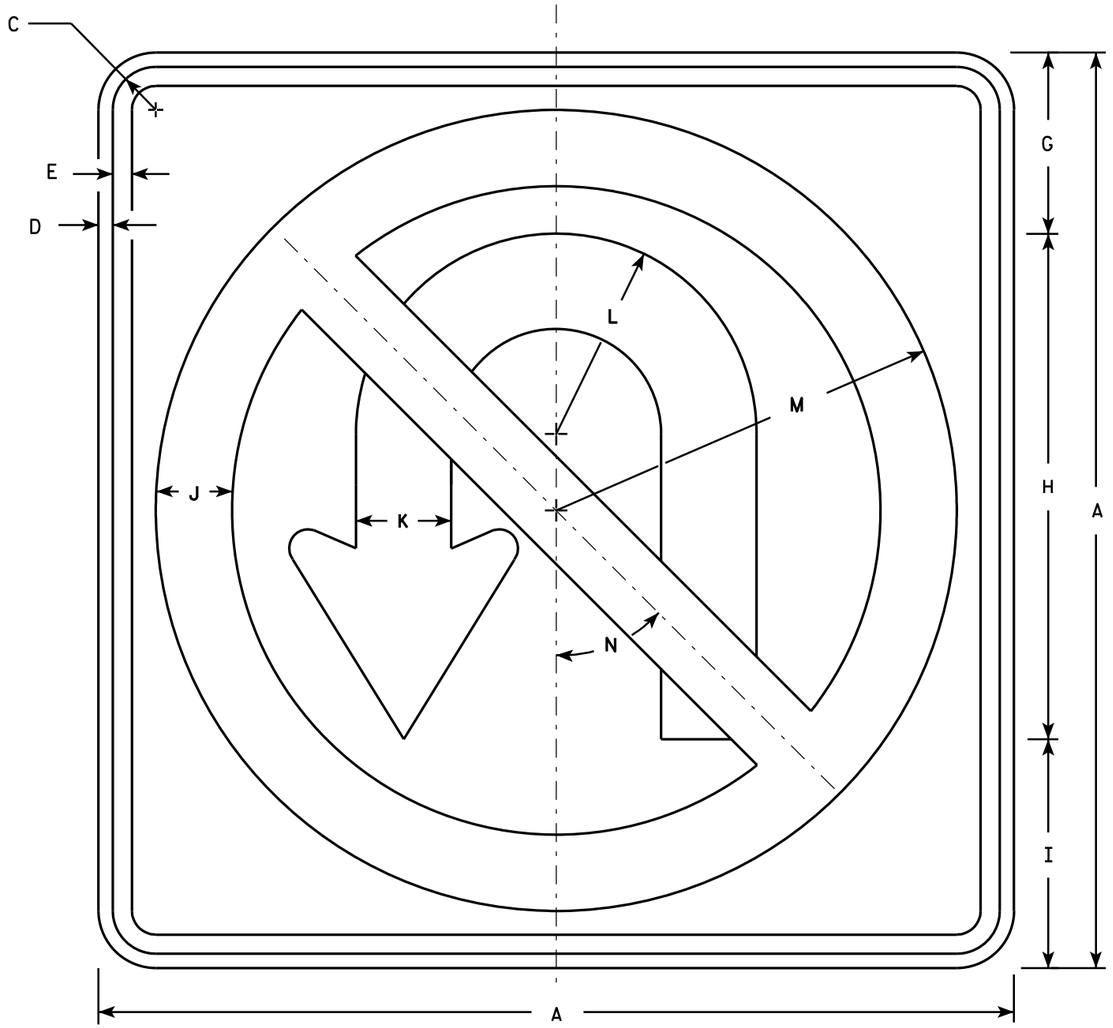
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

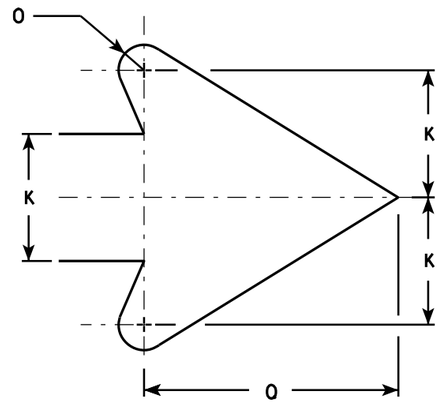
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

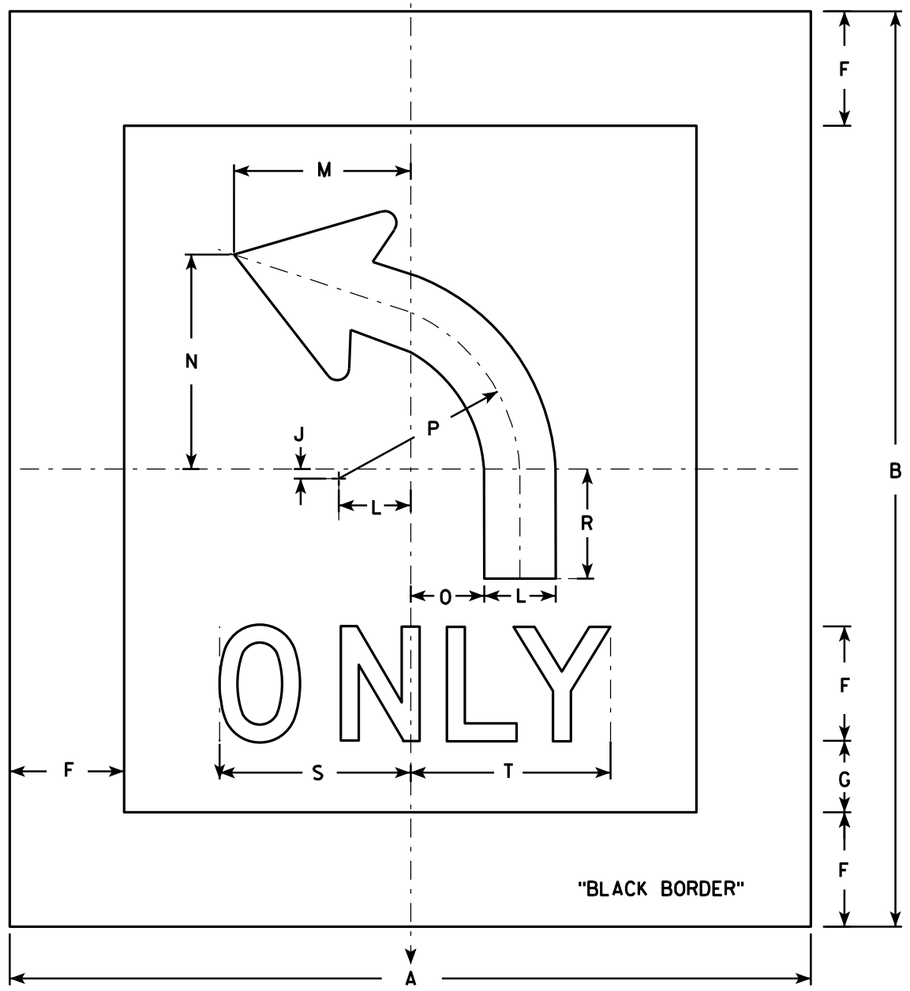
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

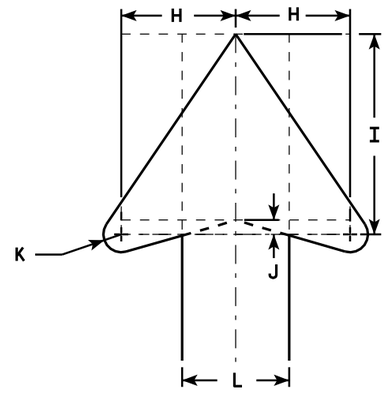
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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																											

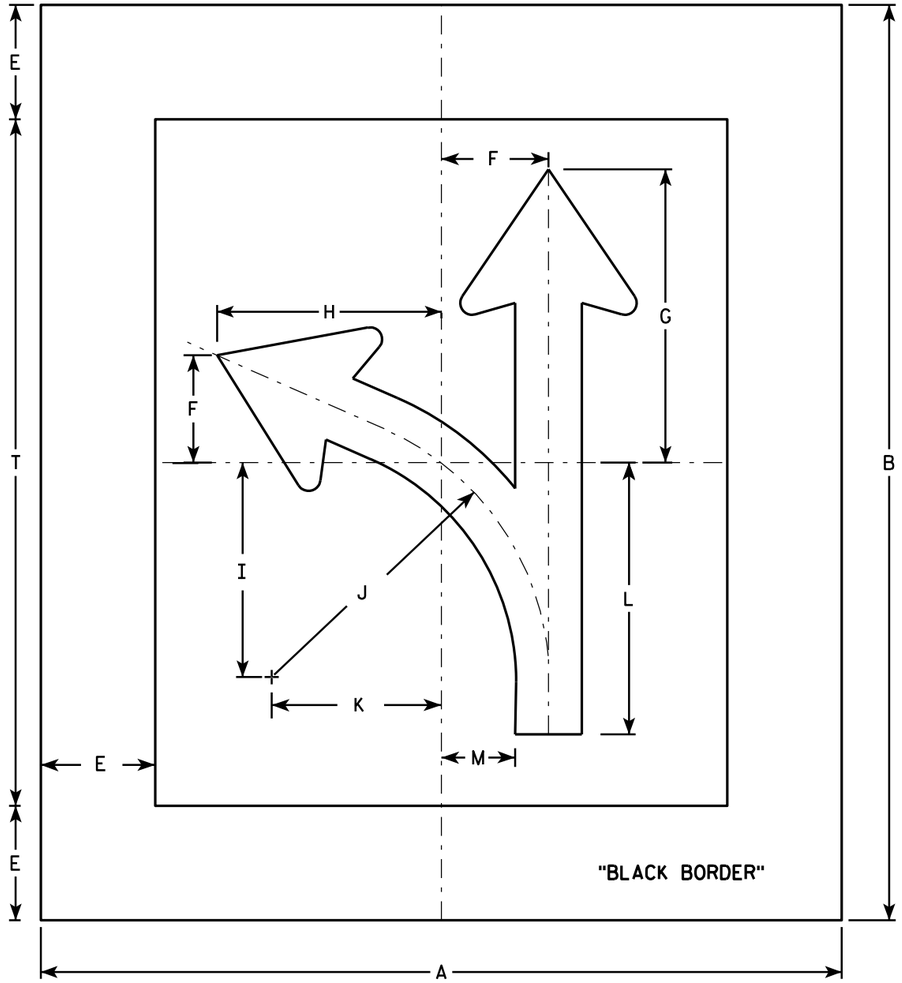
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

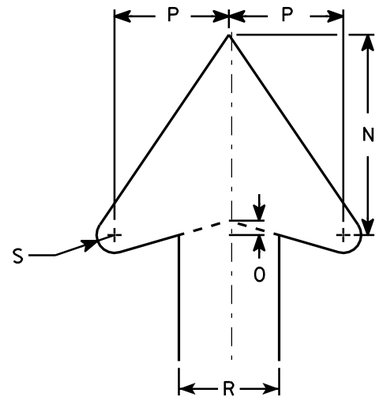
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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																											

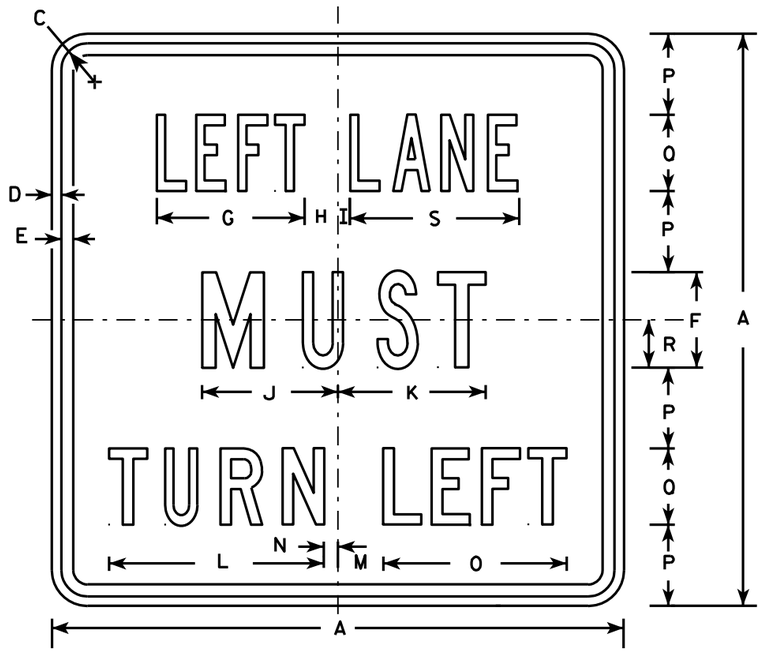
STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

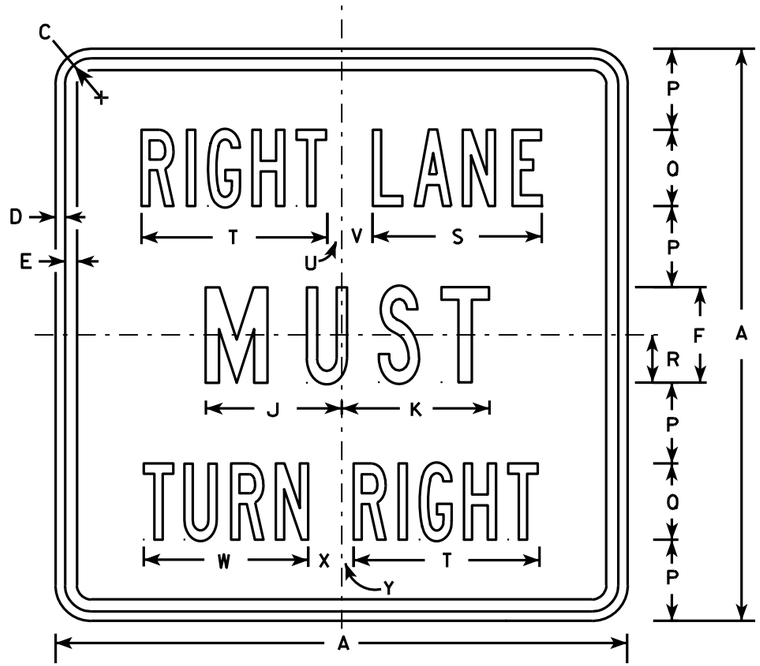
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-6.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 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																											

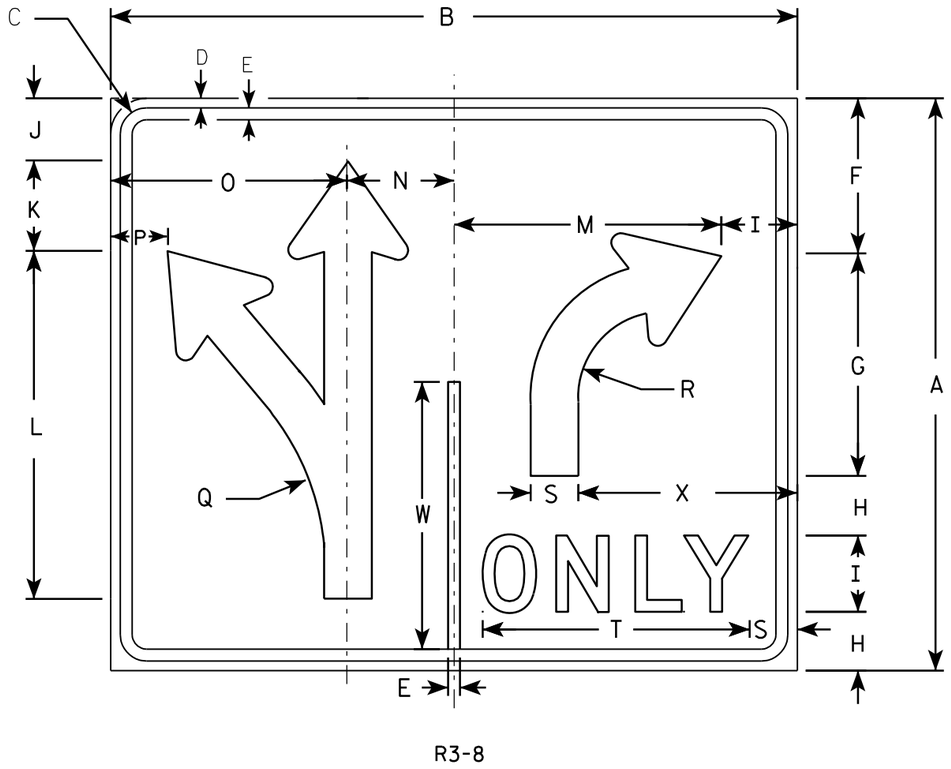
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

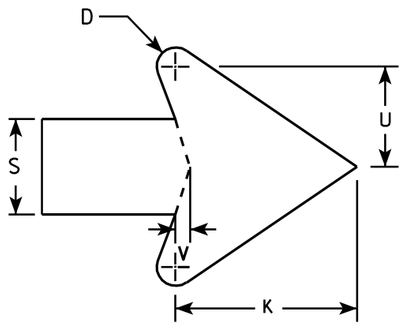
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



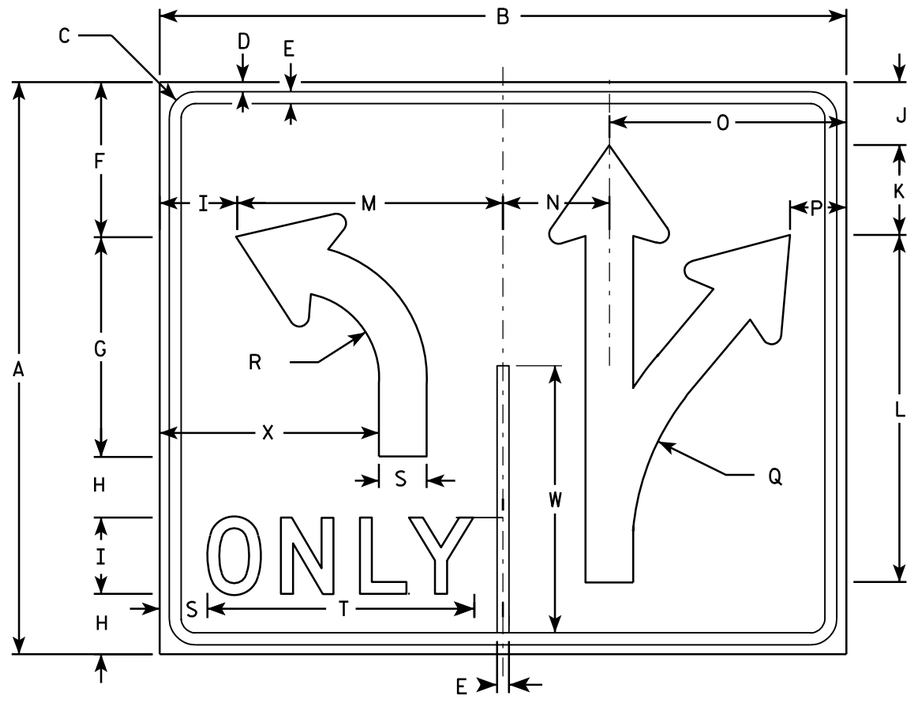
R3-8



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

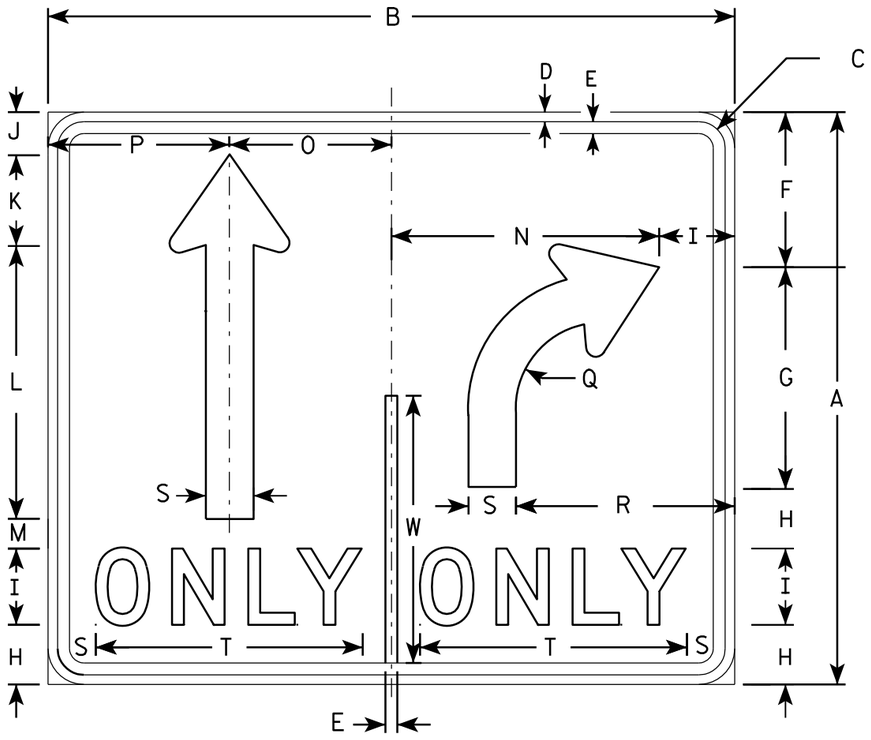
STANDARD SIGN
R3-8 & R3-8A

WISCONSIN DEPT OF TRANSPORTATION

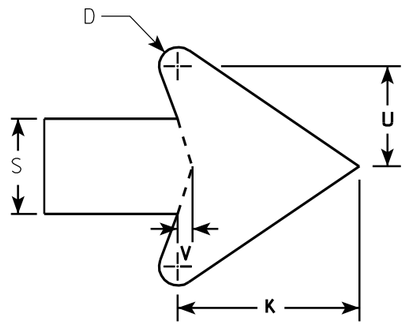
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



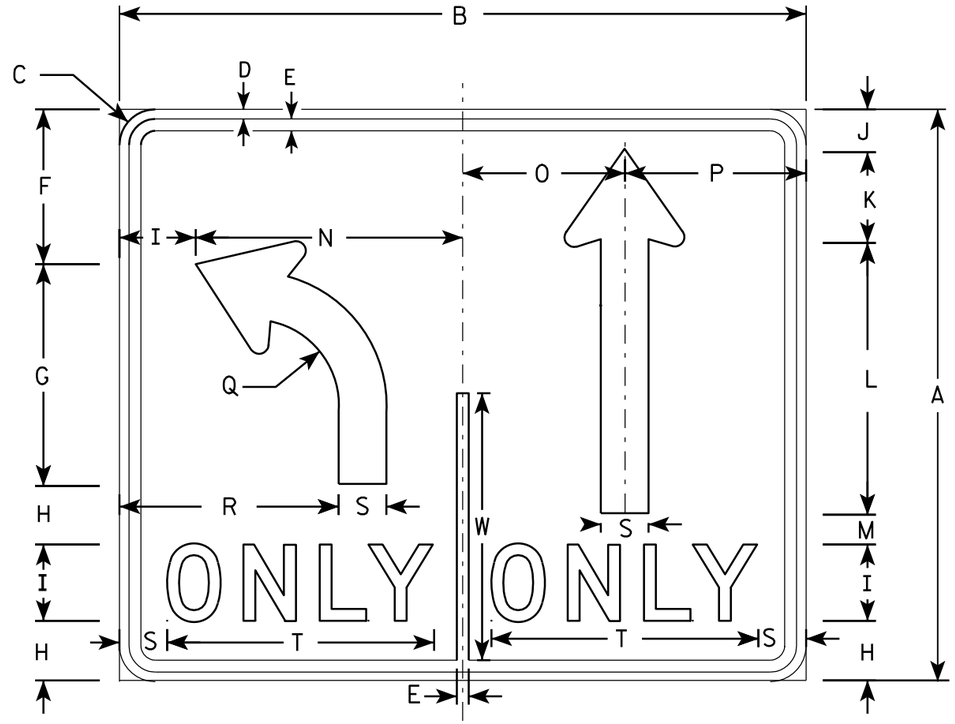
R3-8D



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

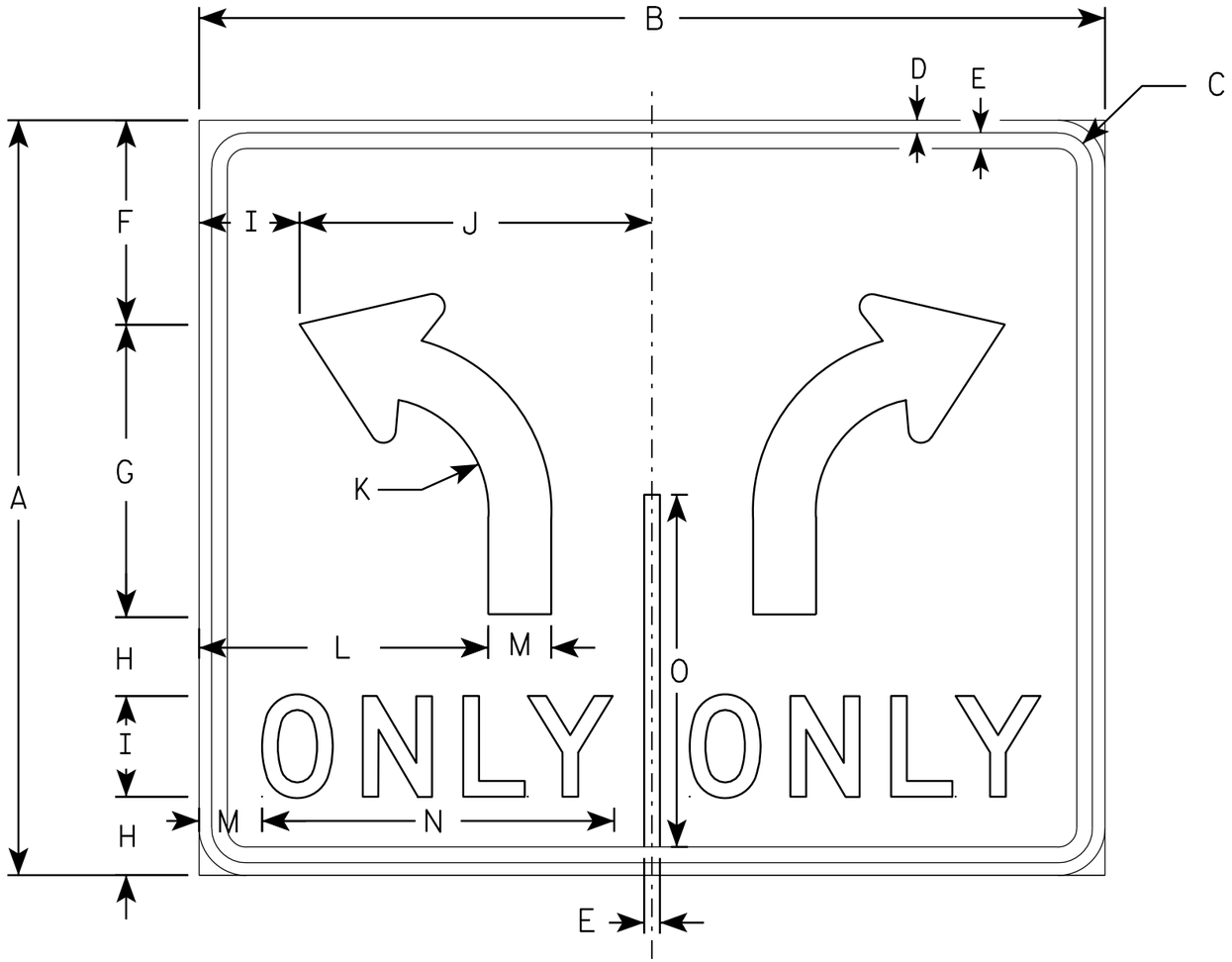
STANDARD SIGN
R3-8D & R3-8E

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8D.2

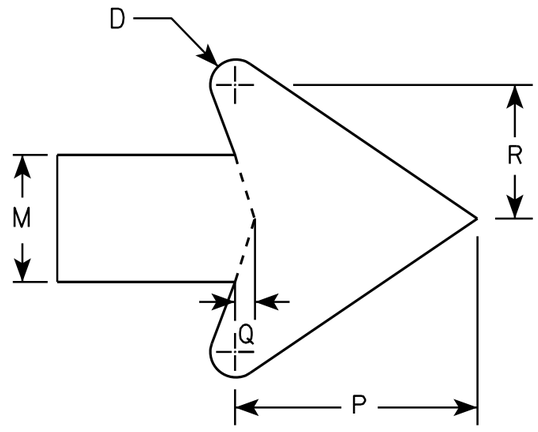
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

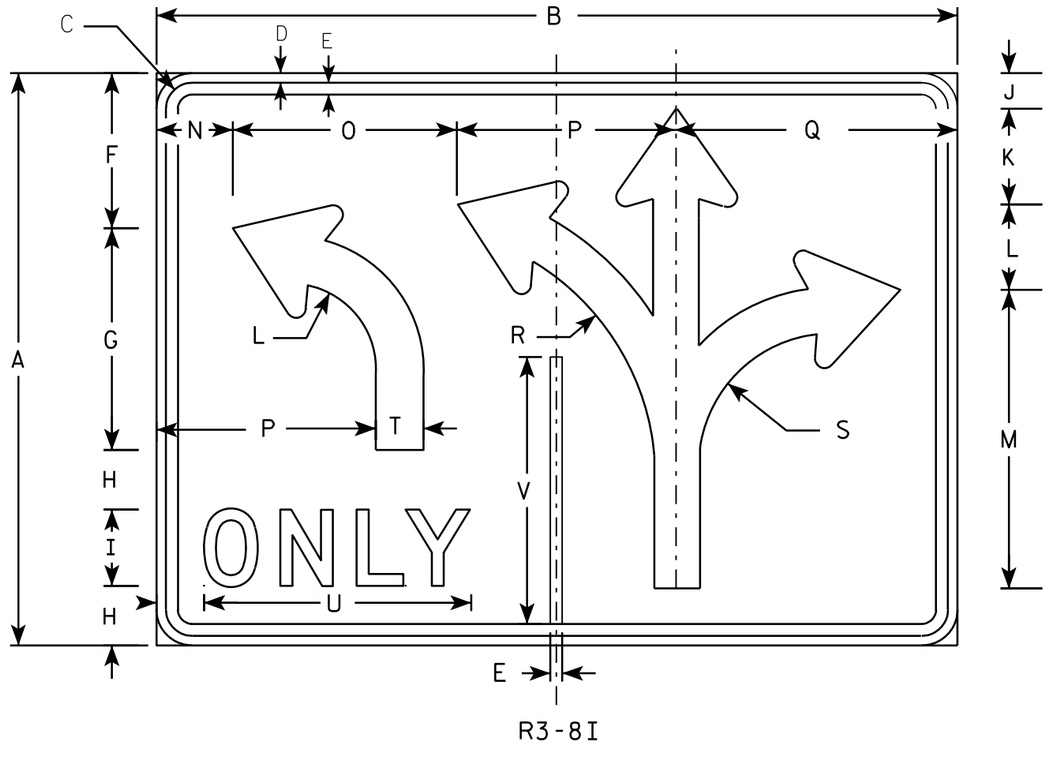
STANDARD SIGN
R3-8F

WISCONSIN DEPT OF TRANSPORTATION

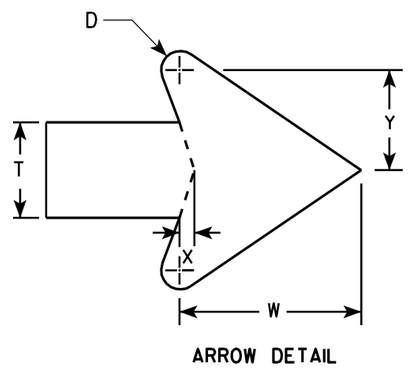
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8F.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



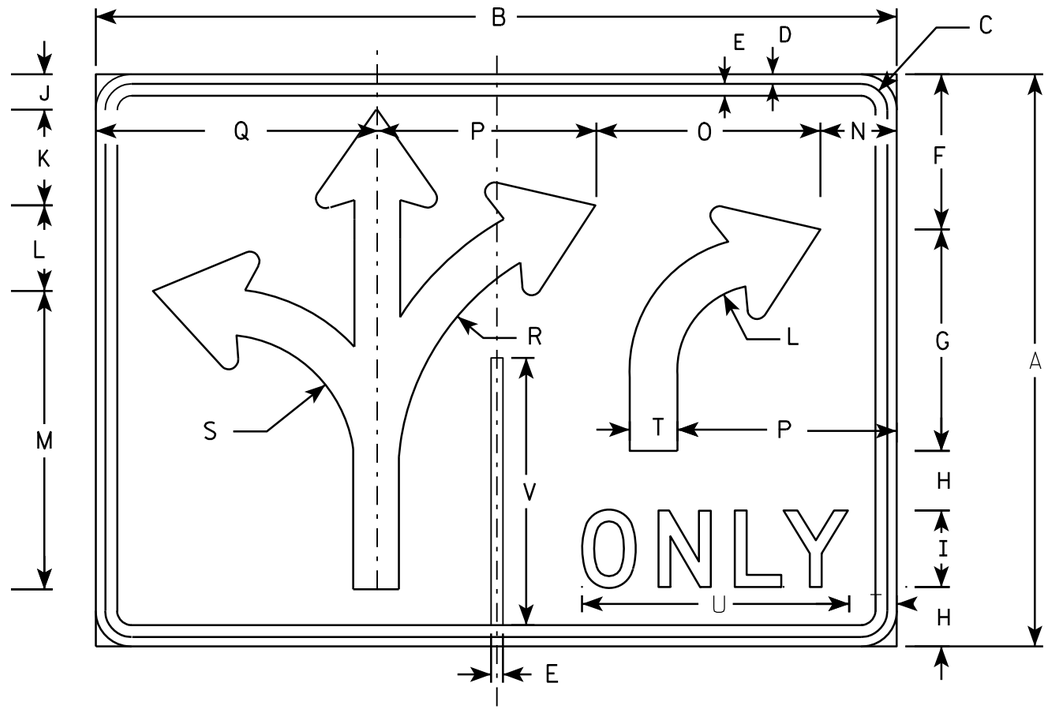
R3-8I



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

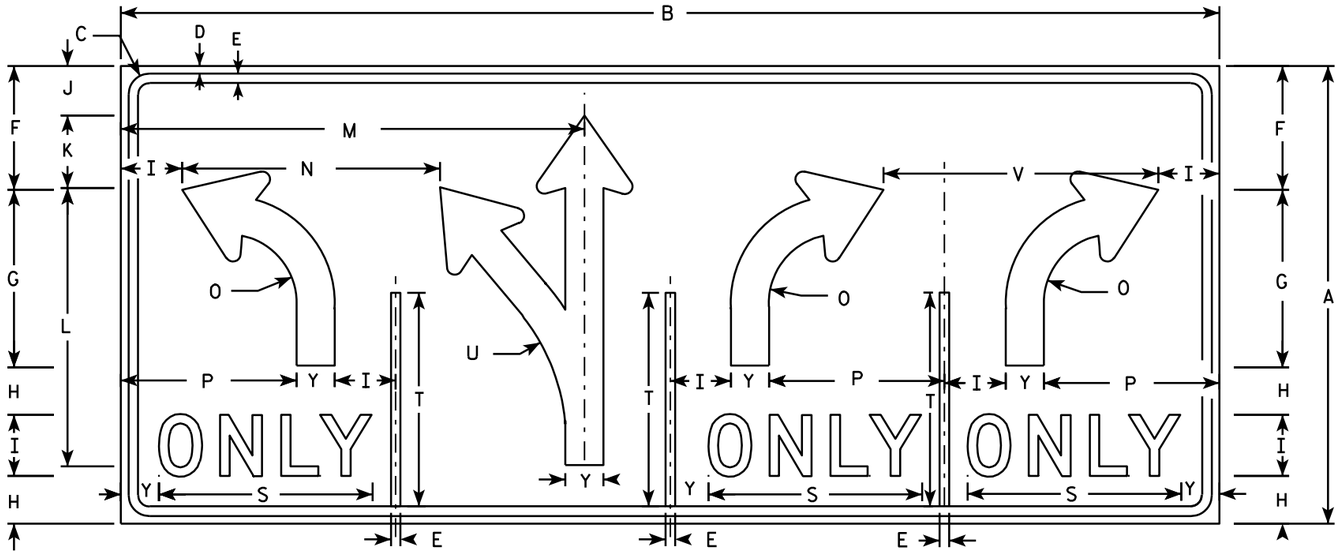
STANDARD SIGN
R3-8I & R3-8J

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8I.2

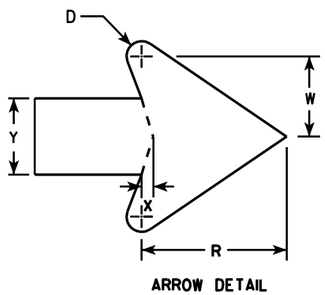
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



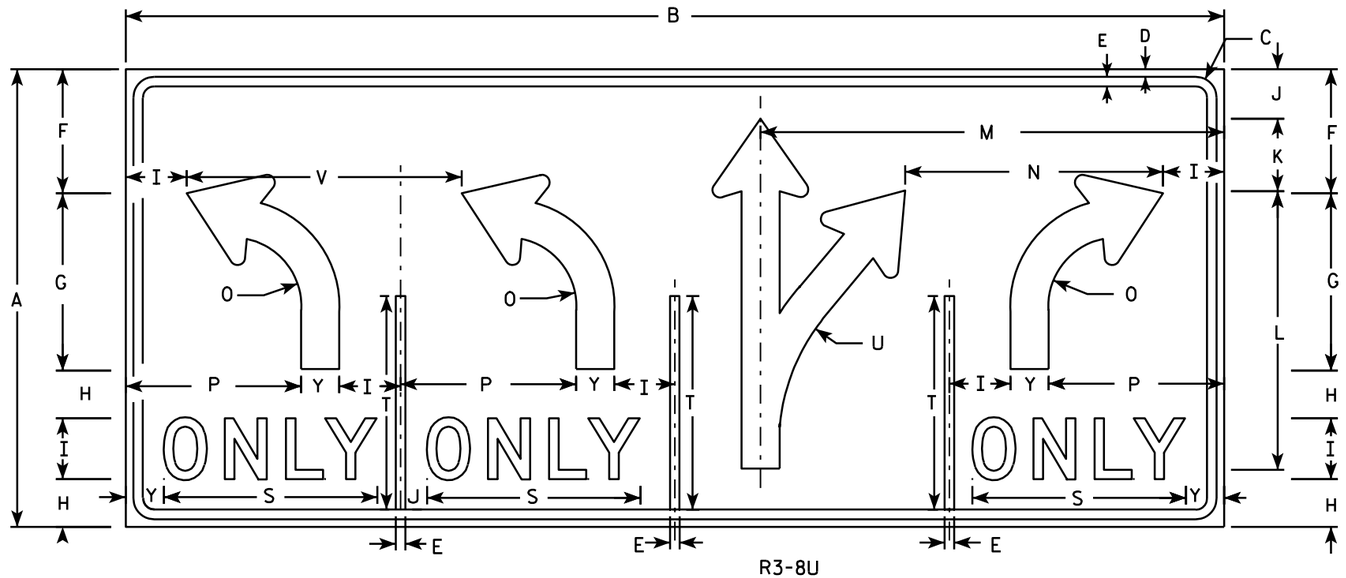
R3-8T

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

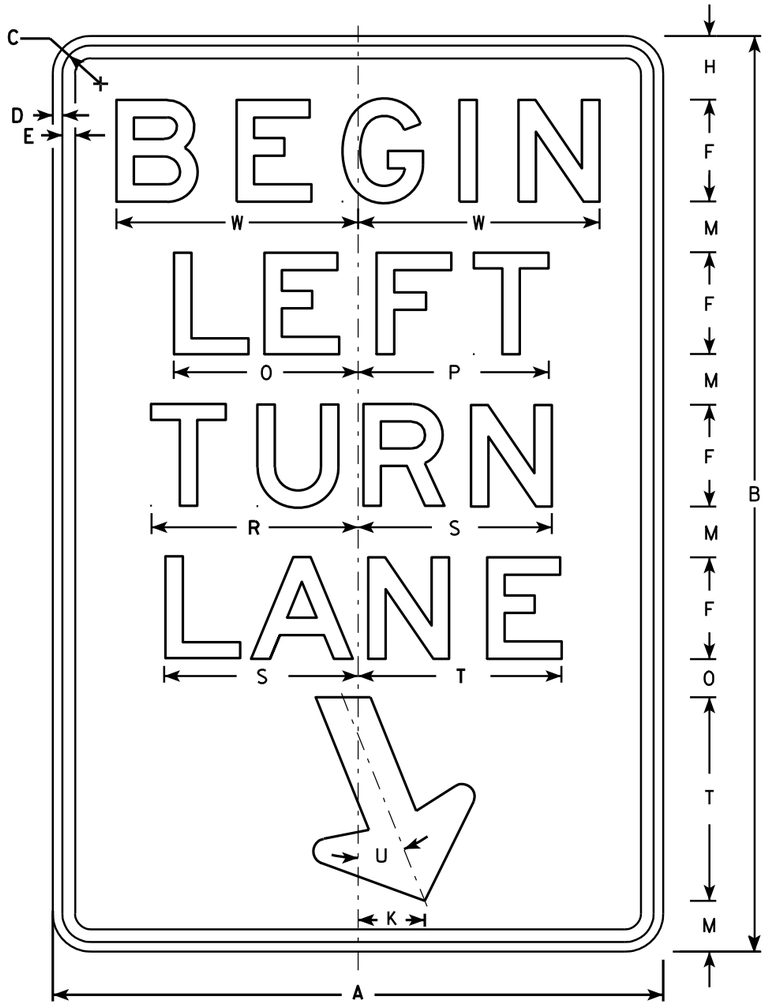
DATE 3/24/2011 PLATE NO. R3-8T.4

PROJECT NO:

SHEET NO: E

7

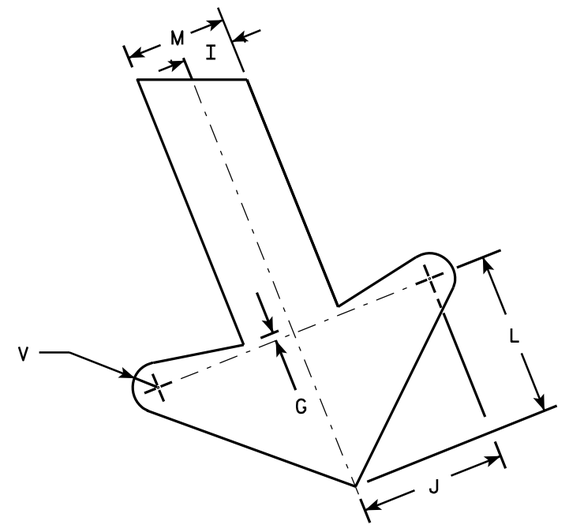
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R38T.DGN PLOT DATE : 24-MAR-2011 10:05 PLOT BY : mscsja



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																											

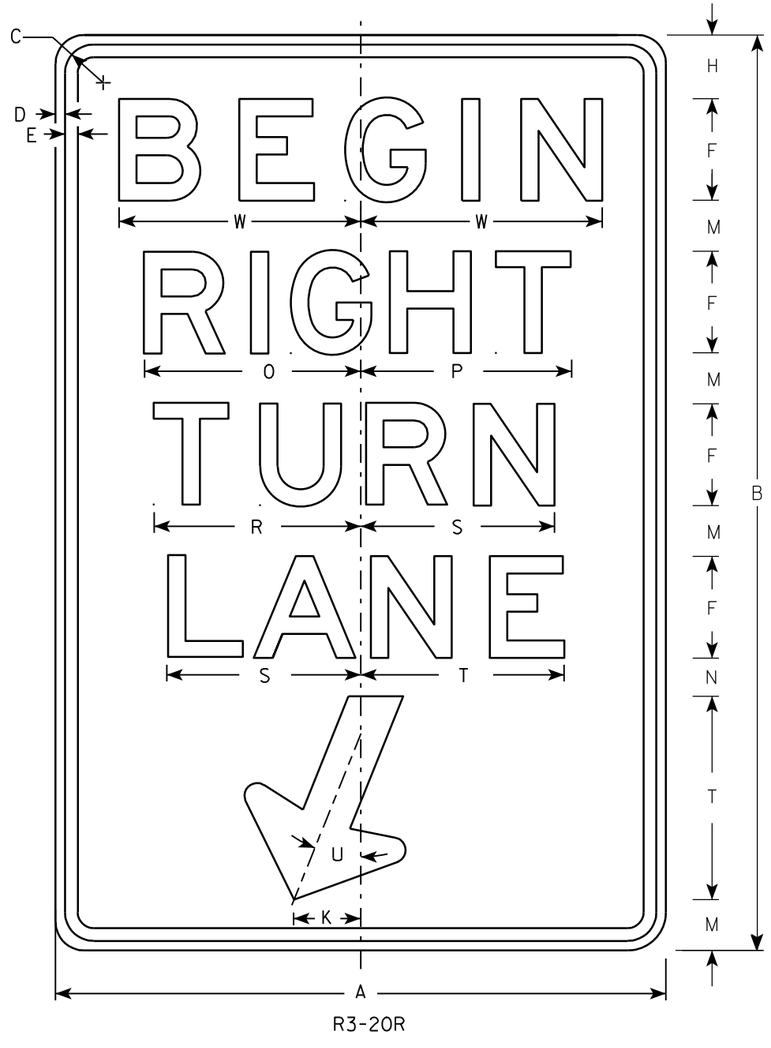
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

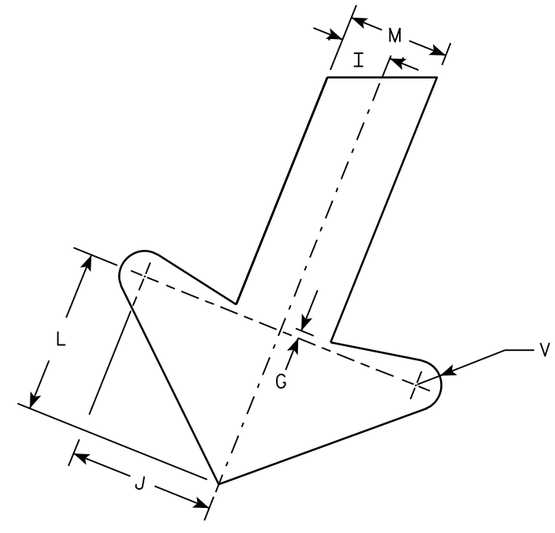
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



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																											

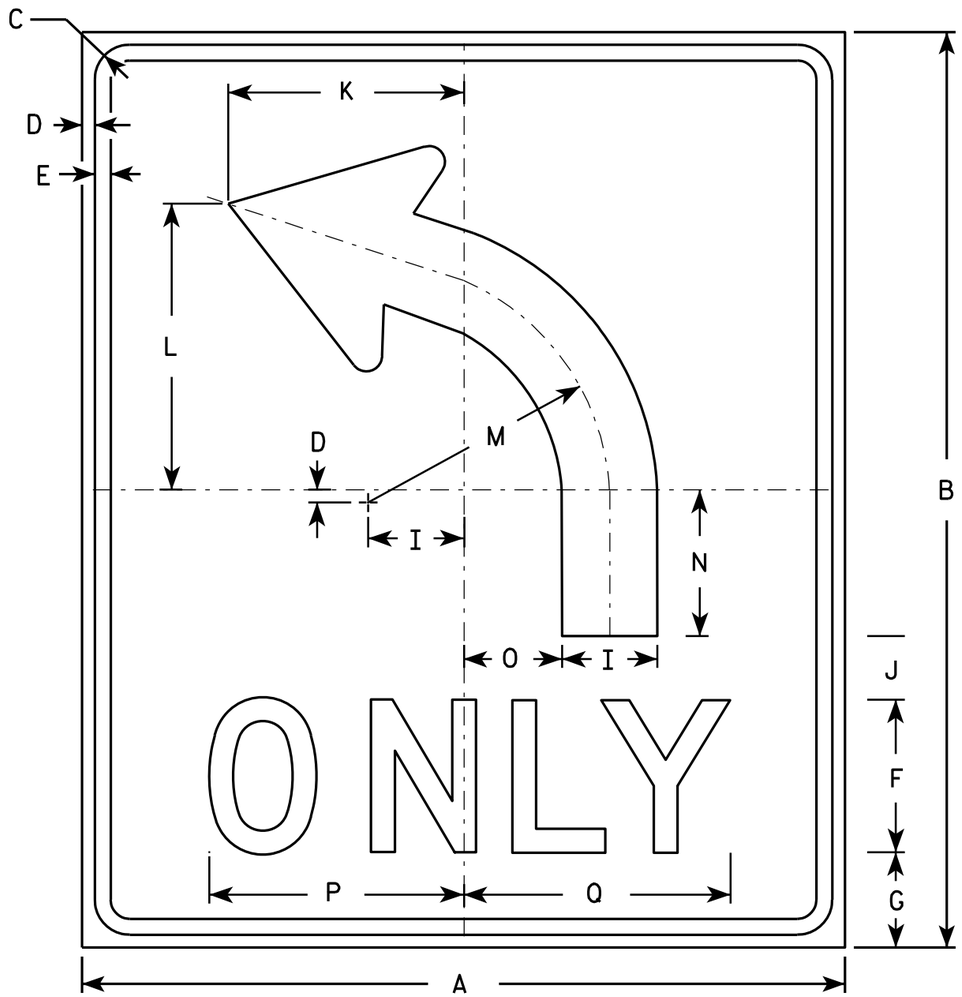
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

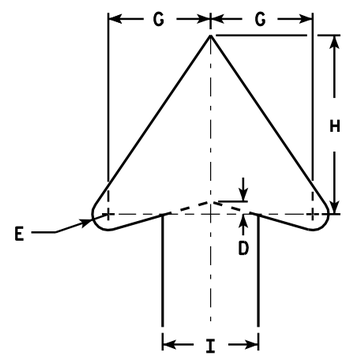
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



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																											

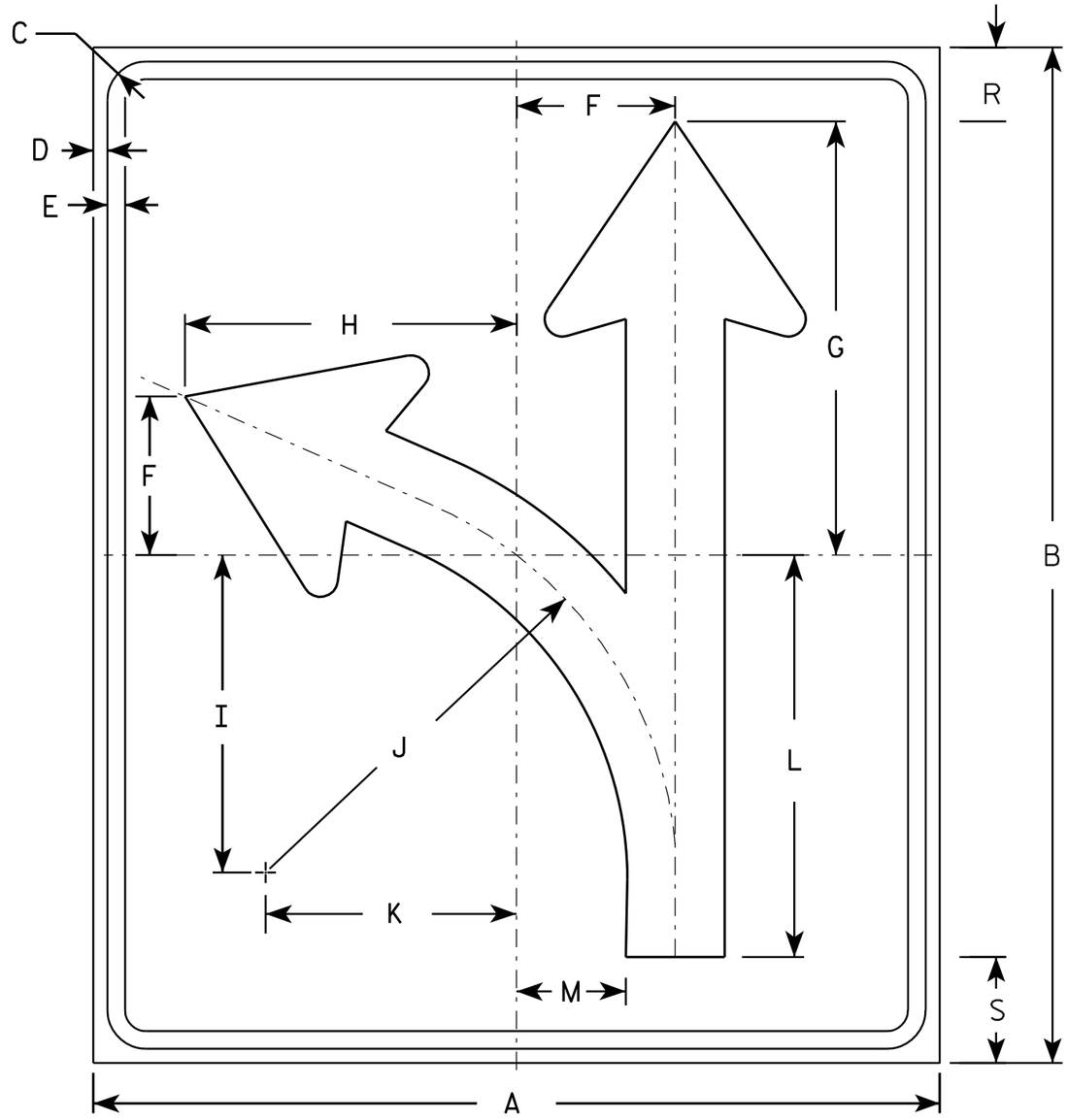
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

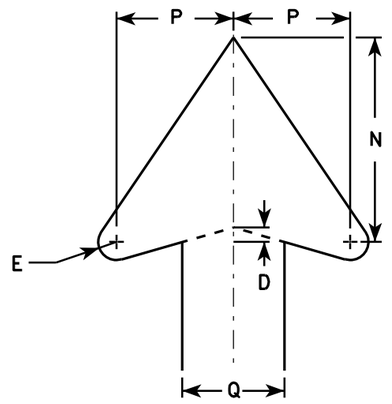
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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																											

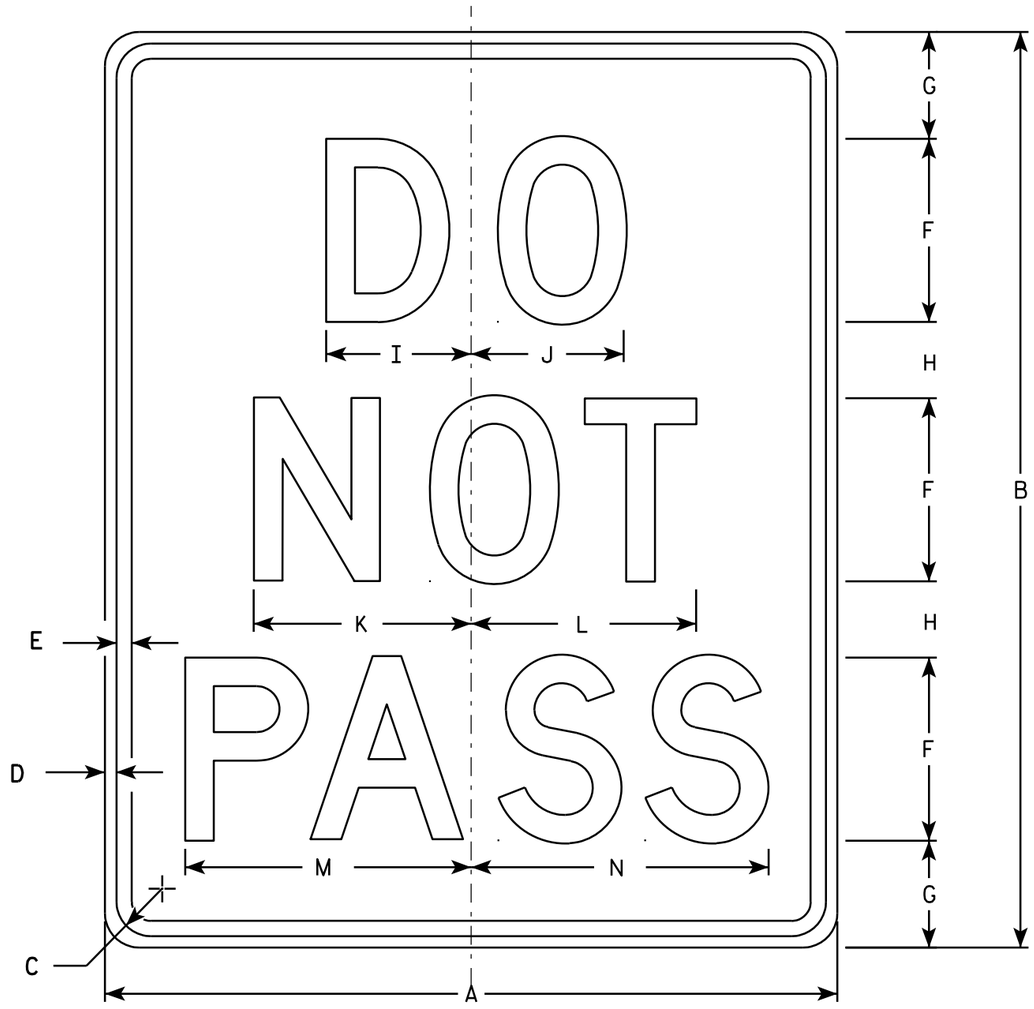
STANDARD SIGN
R3-60

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:	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

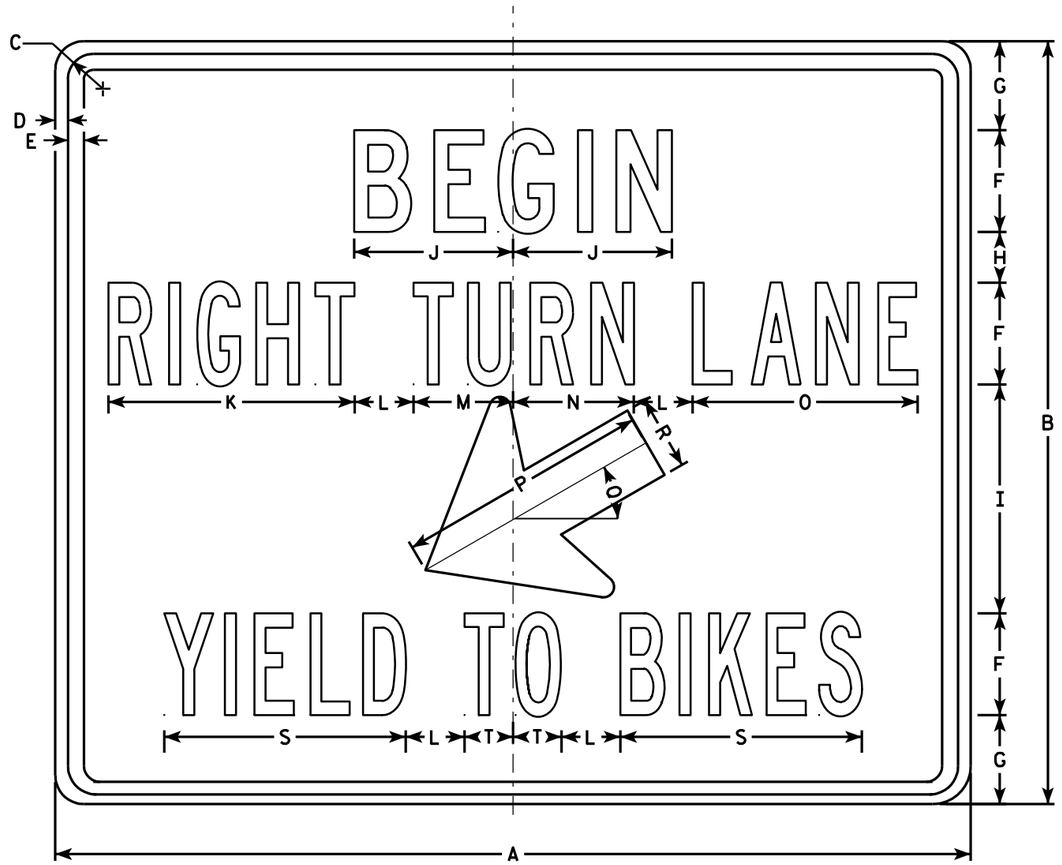
STANDARD SIGN
R4-1

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: 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																											

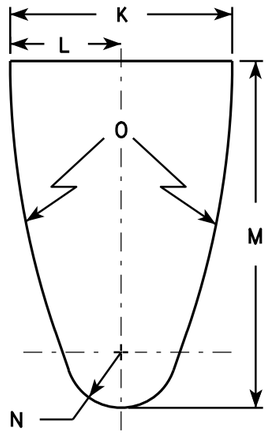
STANDARD SIGN
R4-4

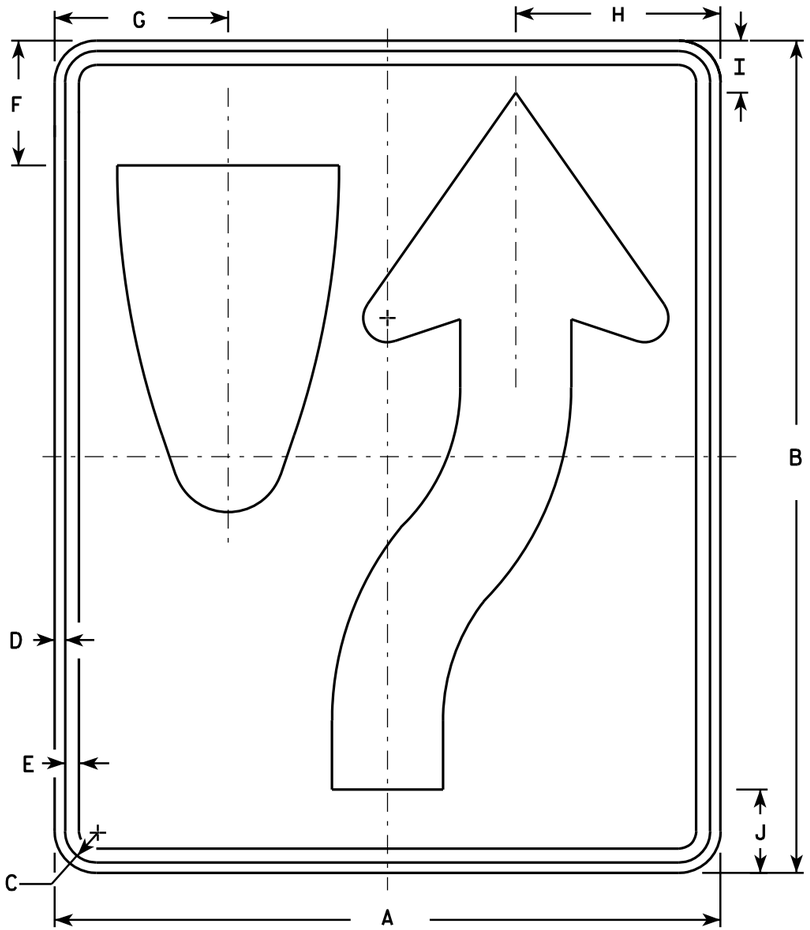
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

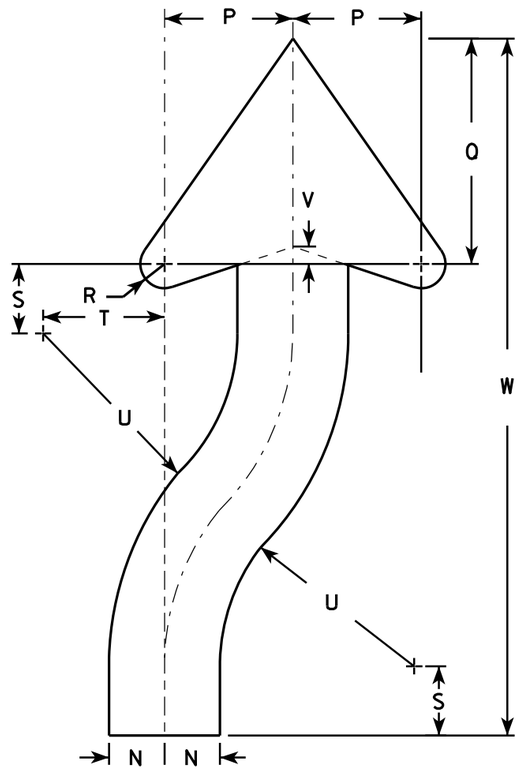




R4-7

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:	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																											

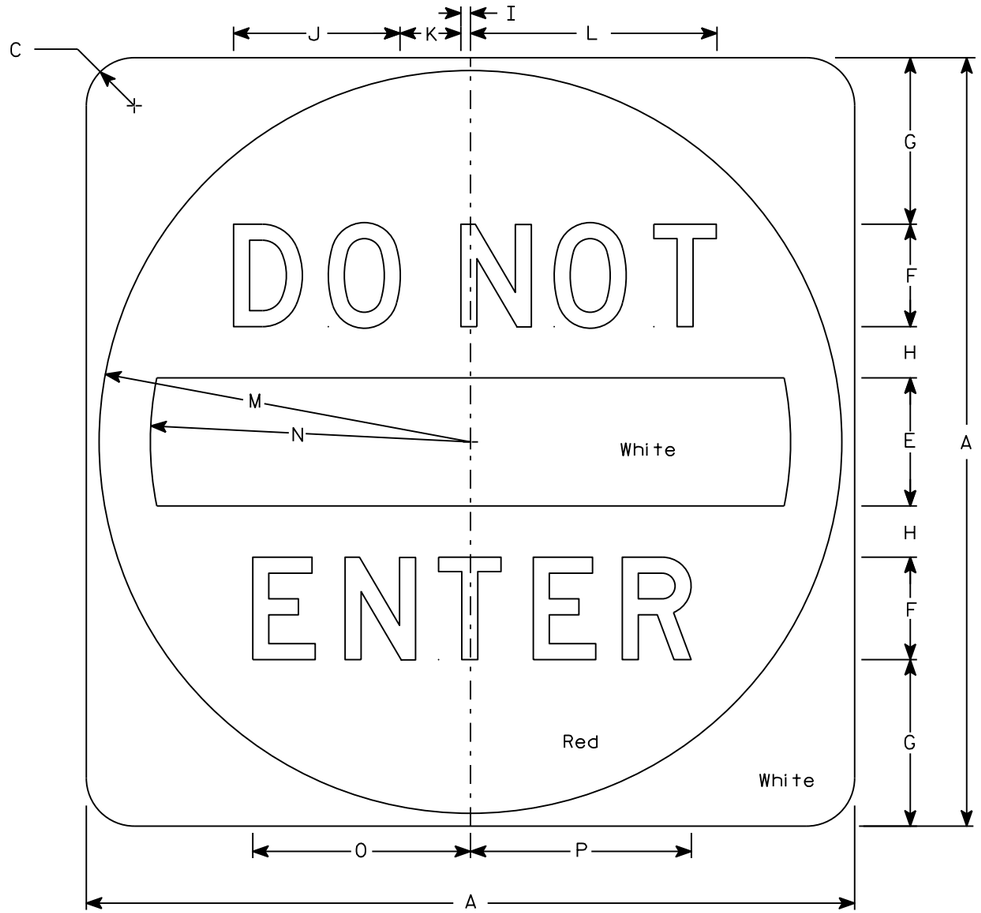
STANDARD SIGN
R4-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/15 PLATE NO. 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

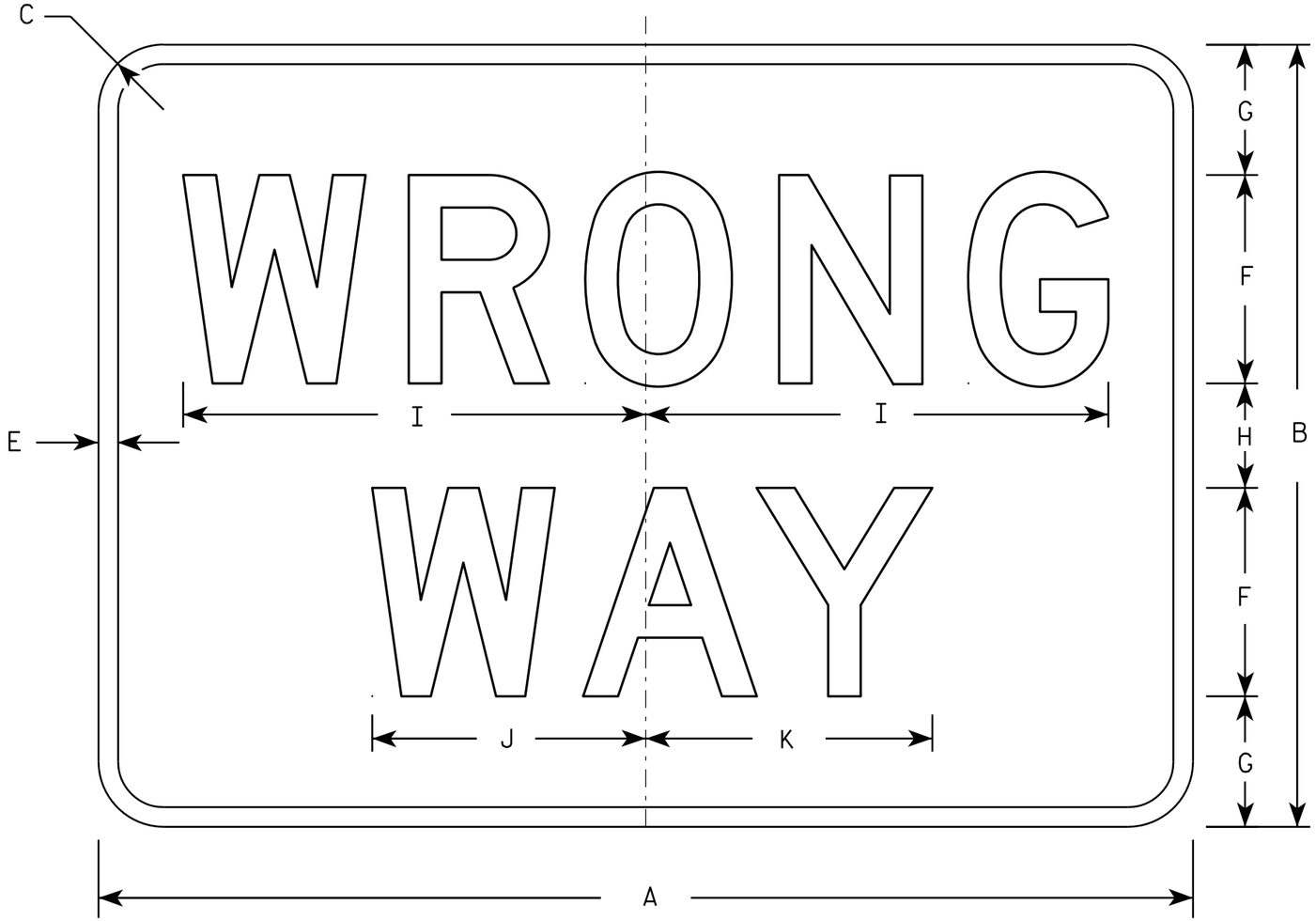
STANDARD SIGN
R5-1

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:	E



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:	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																											

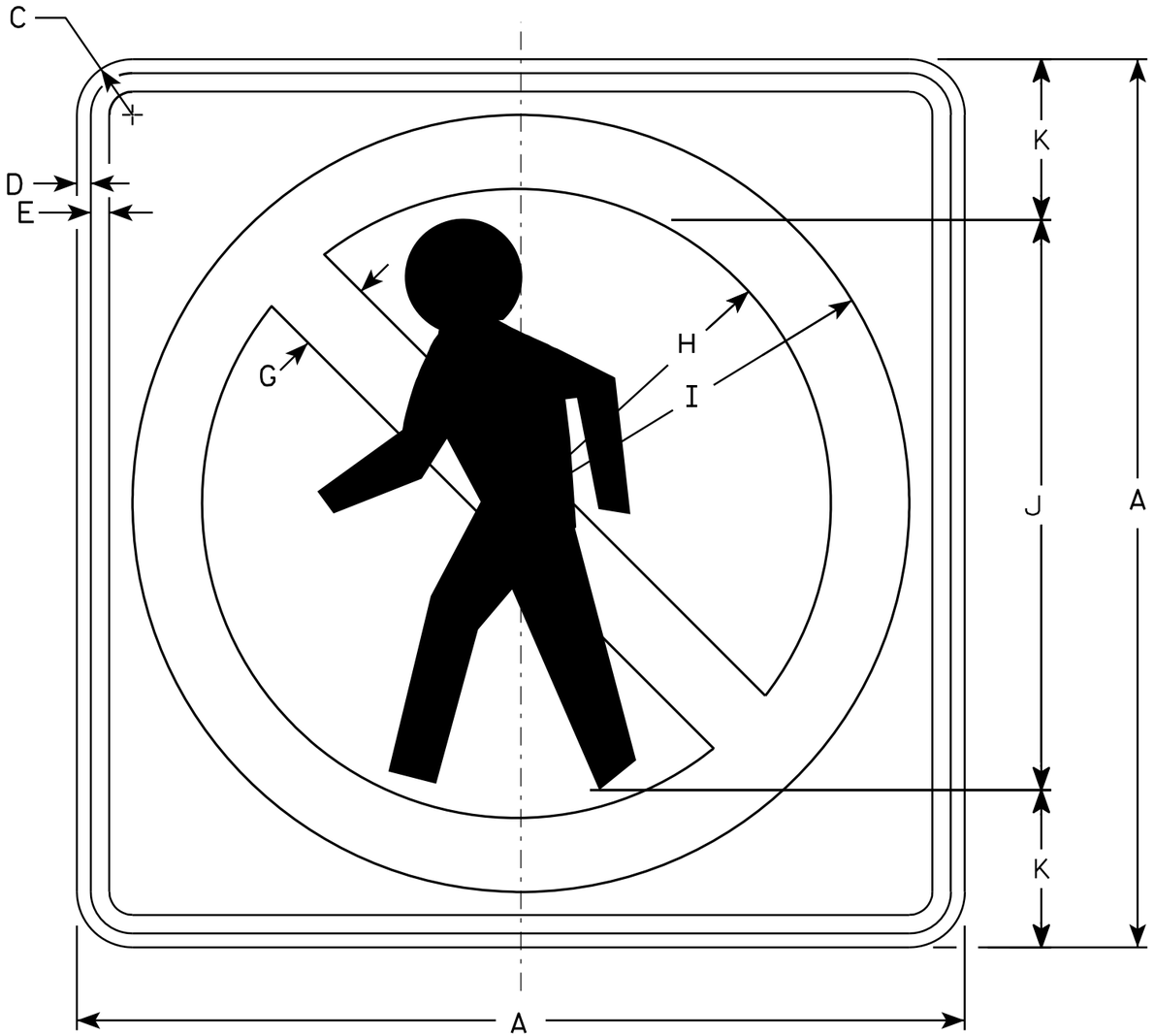
STANDARD SIGN
R8-8

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:	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																											

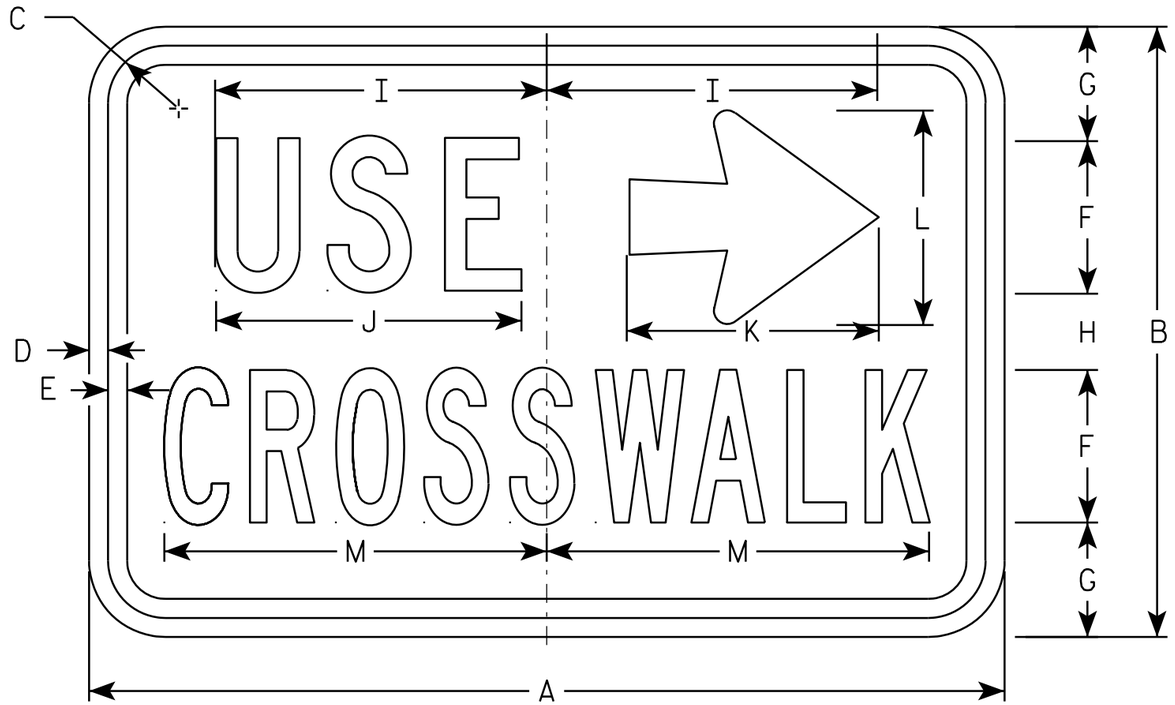
STANDARD SIGN
R9-3A

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:	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																											

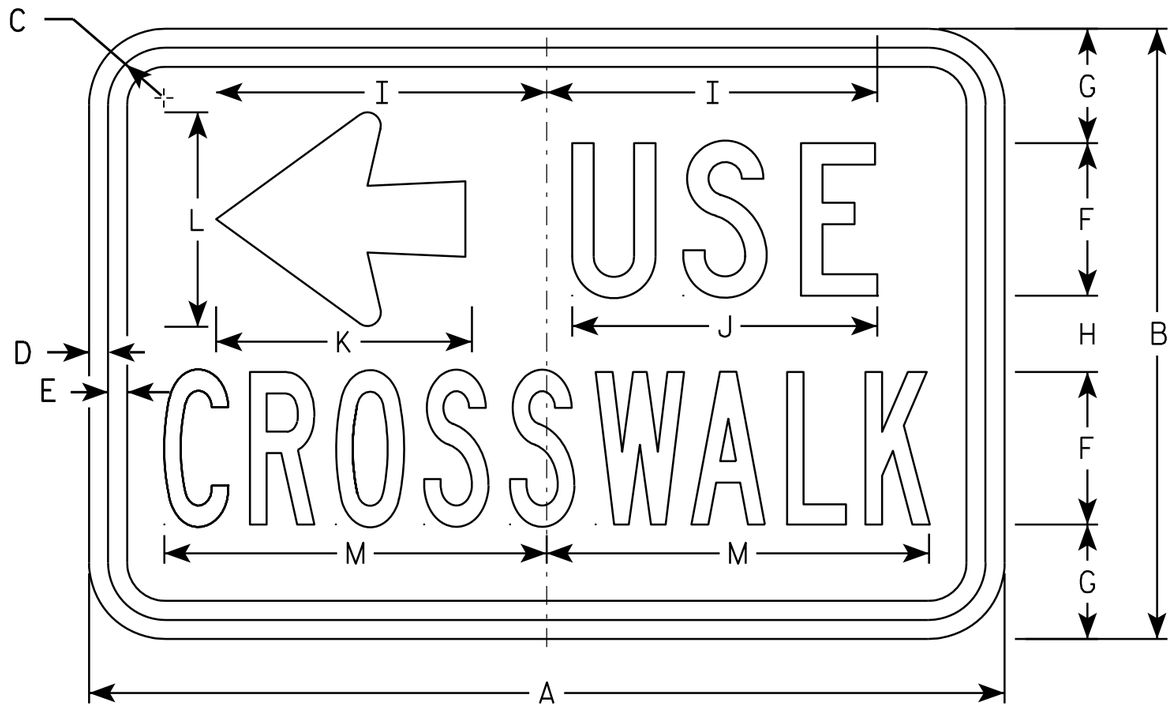
STANDARD SIGN
R9-3BR&L

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: 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																												

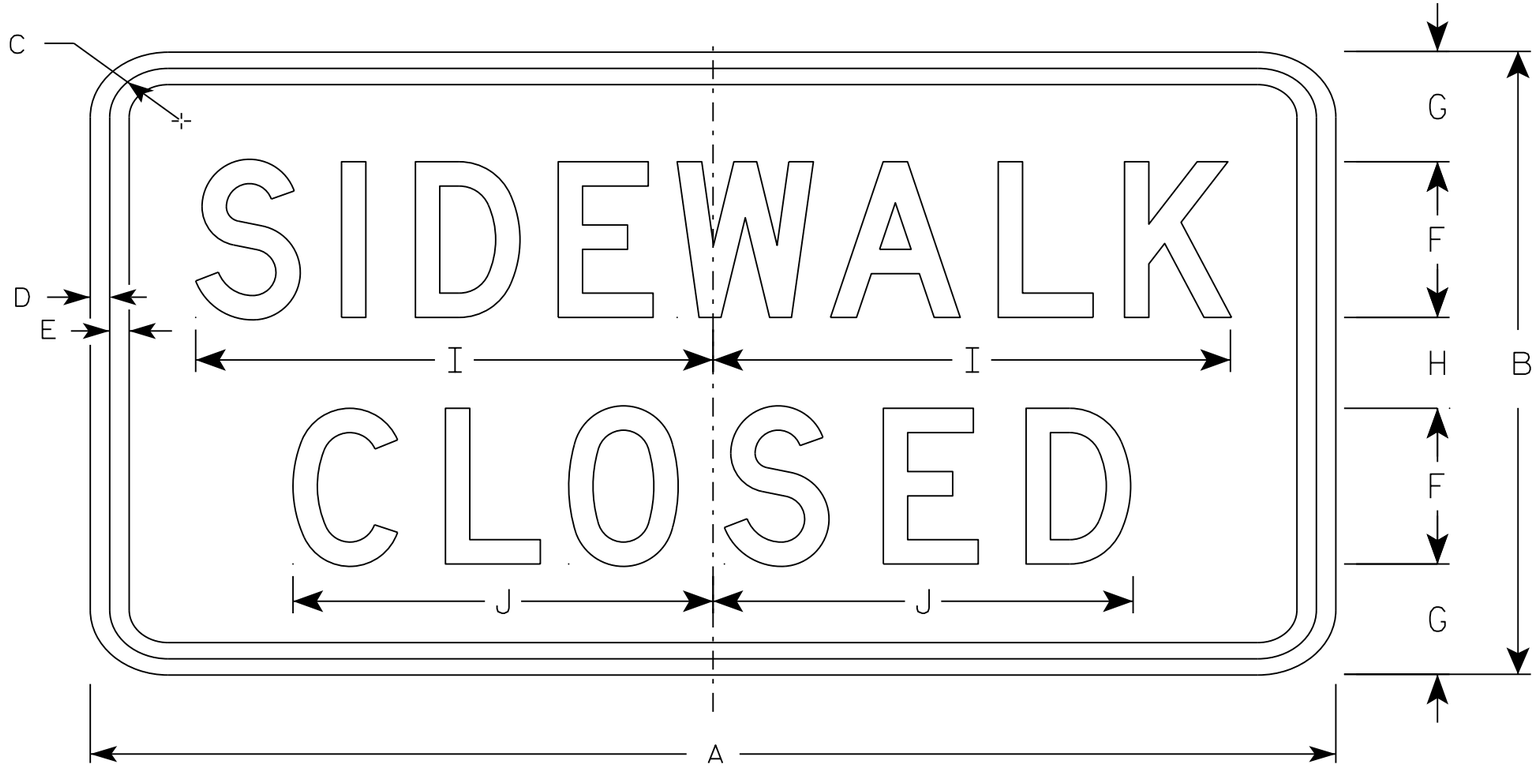
STANDARD SIGN
R9-3BL

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: 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

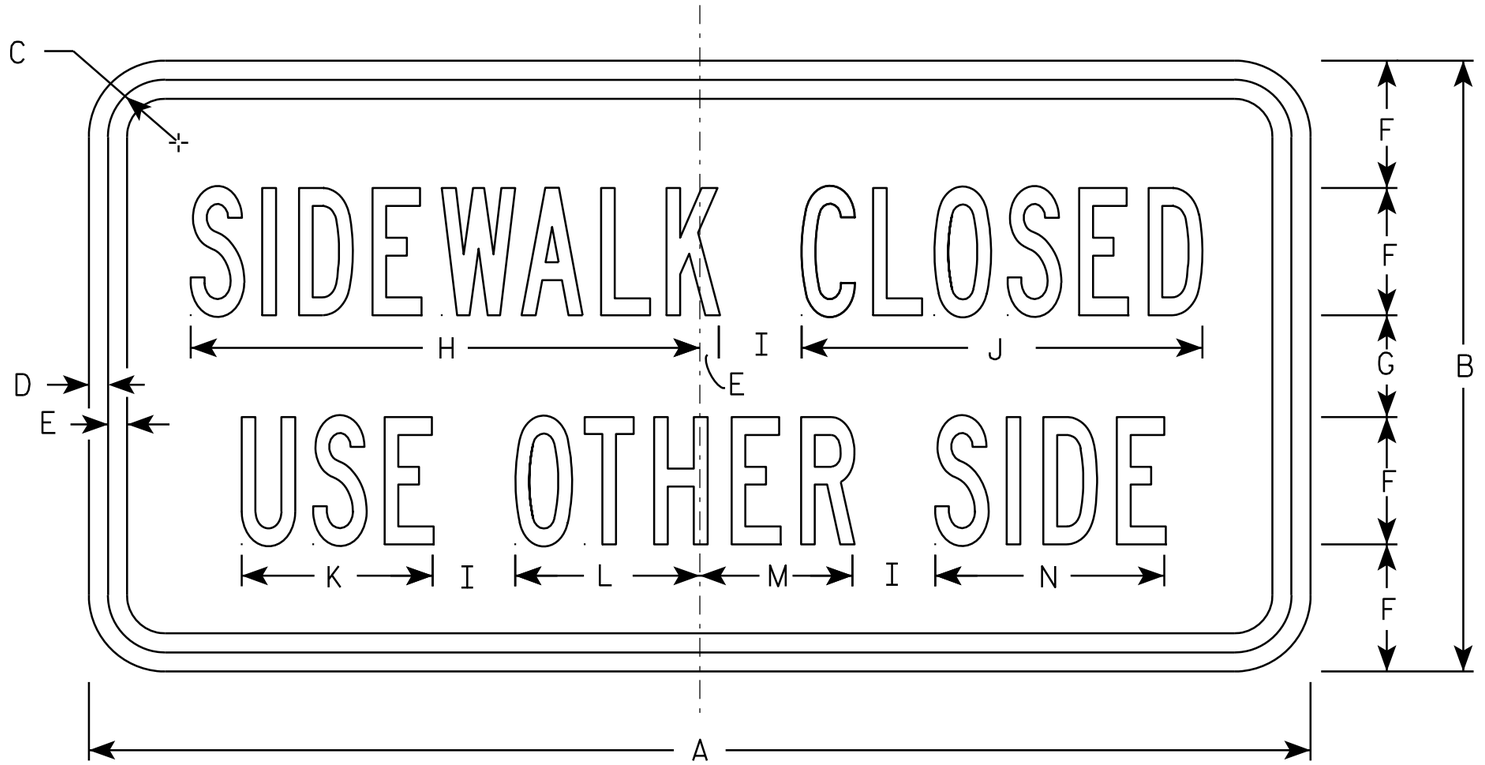
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE NO. 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																											

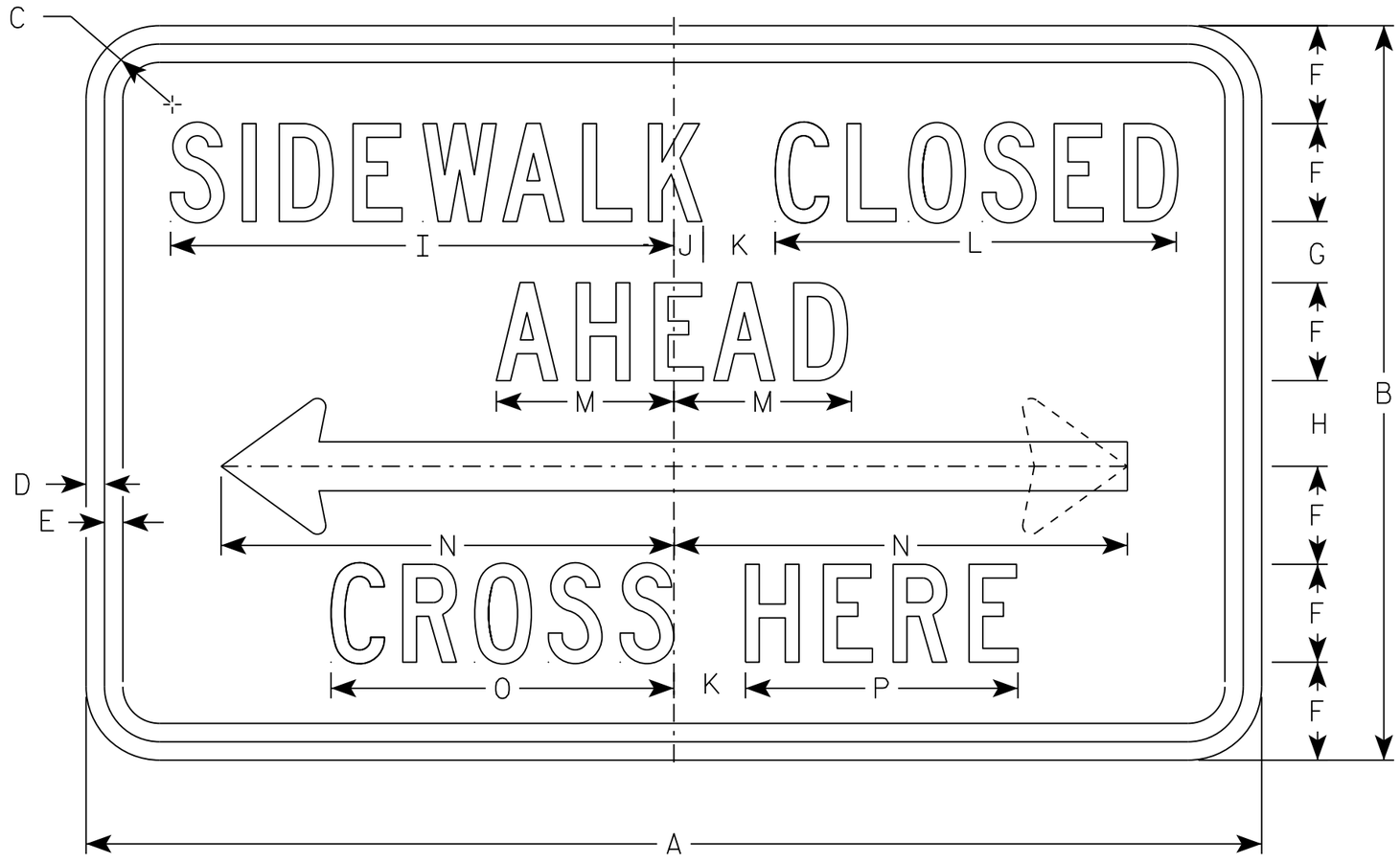
STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

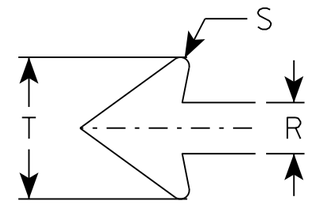
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/2012 PLATE NO. R9-10.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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																											

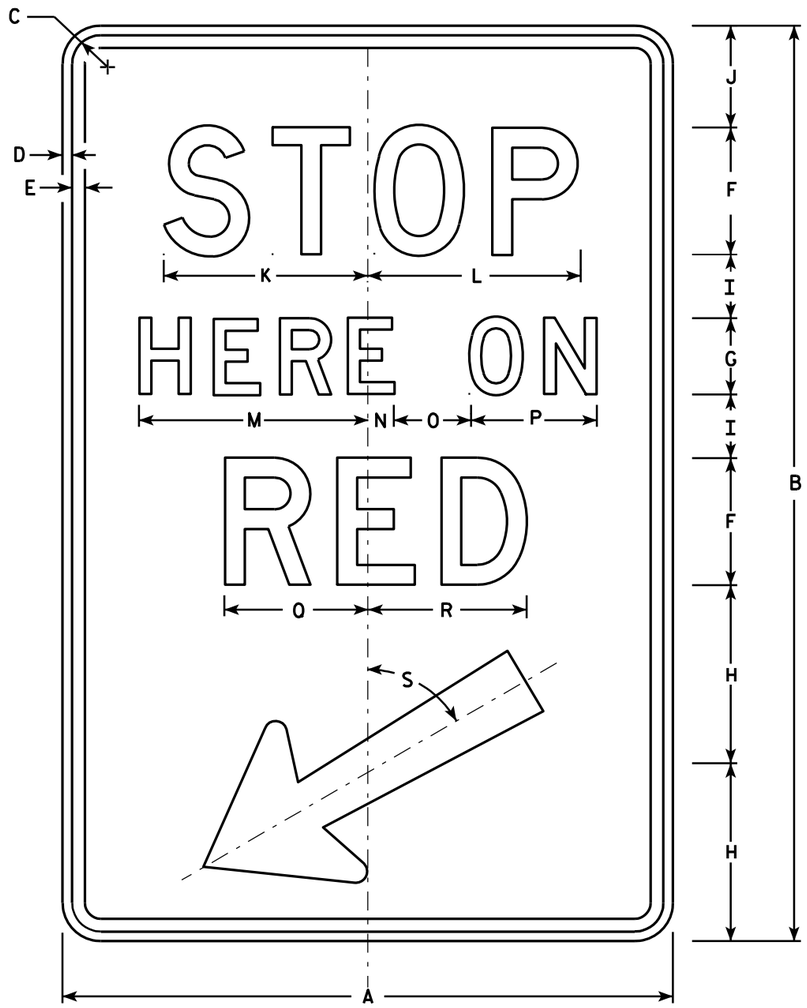
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

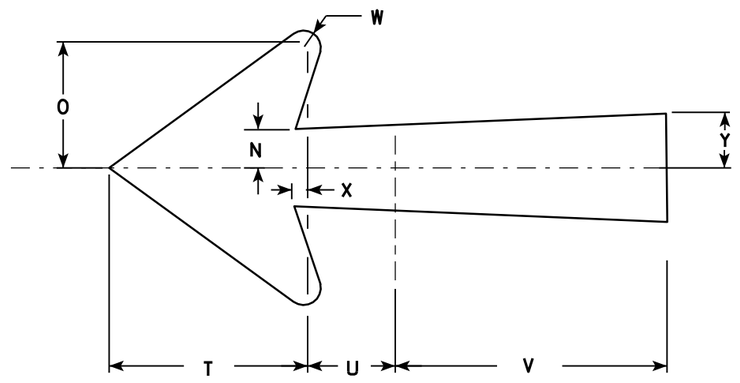
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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																											

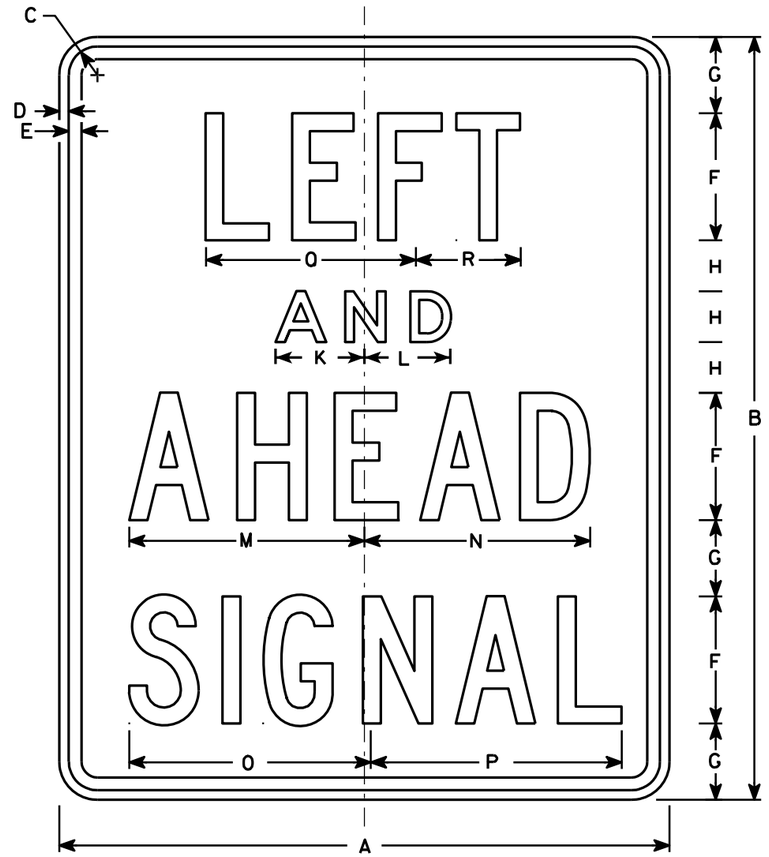
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

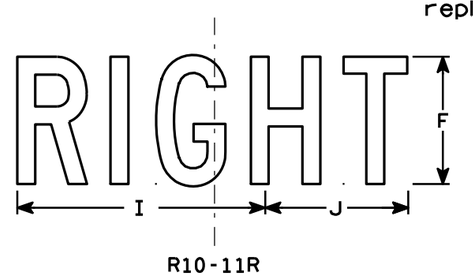
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-6.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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																											

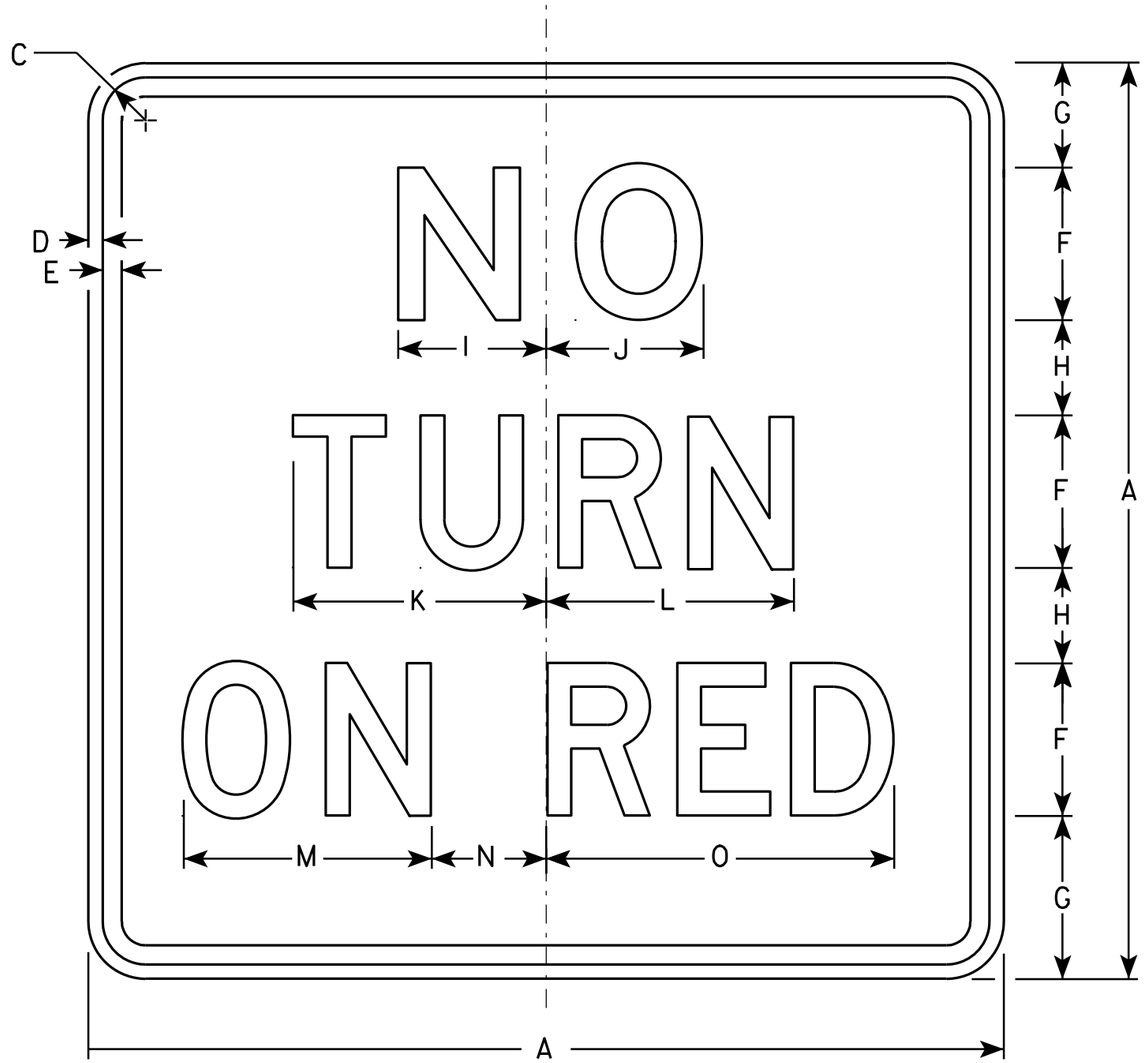
STANDARD SIGN
R10-11

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:	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																											

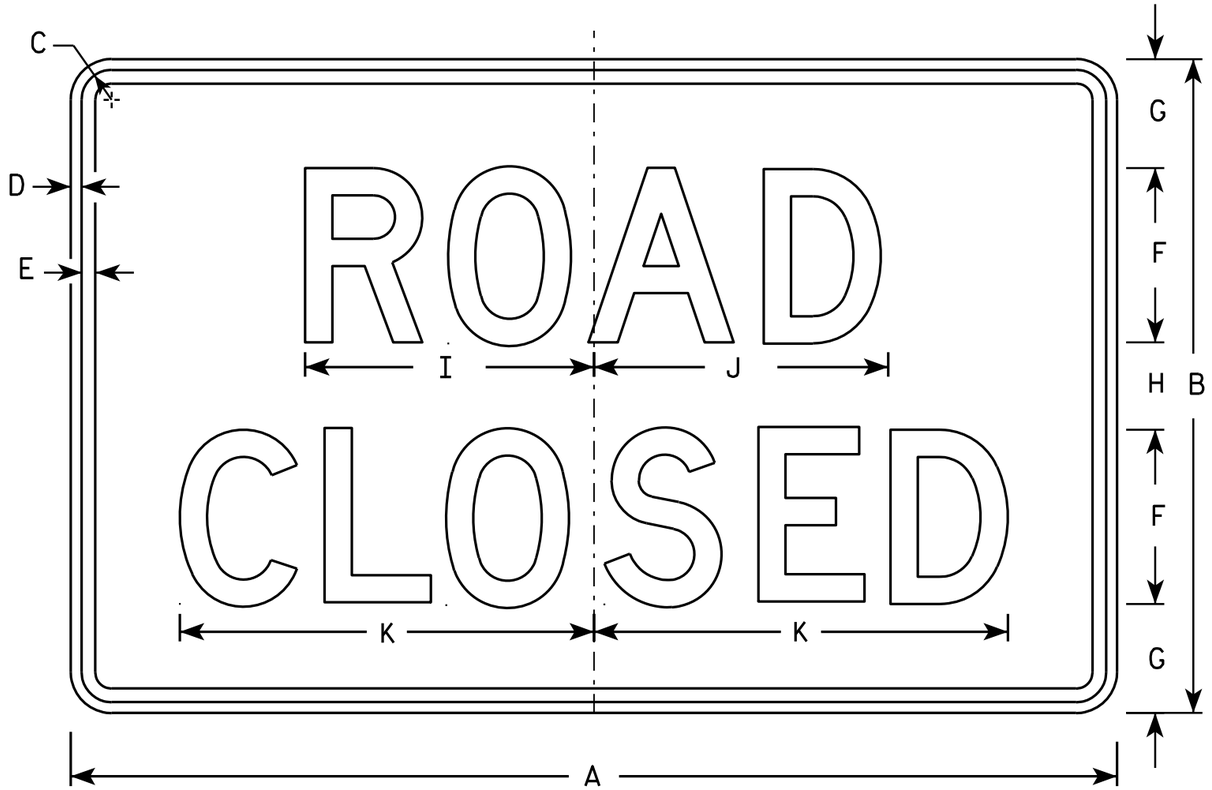
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

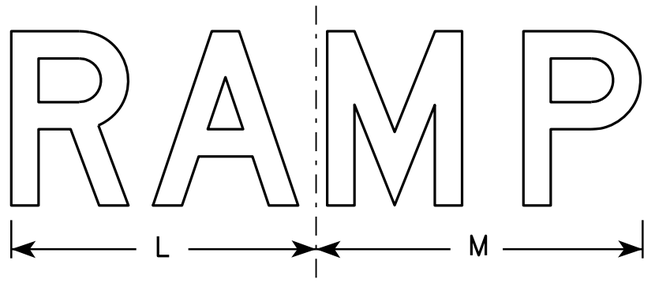
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



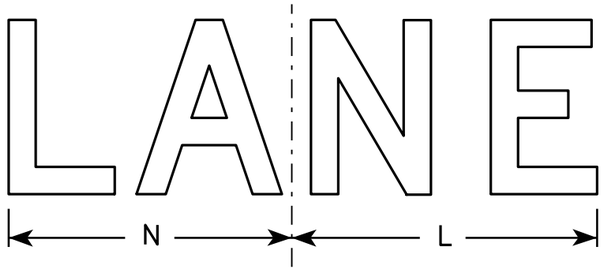
R11-2

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

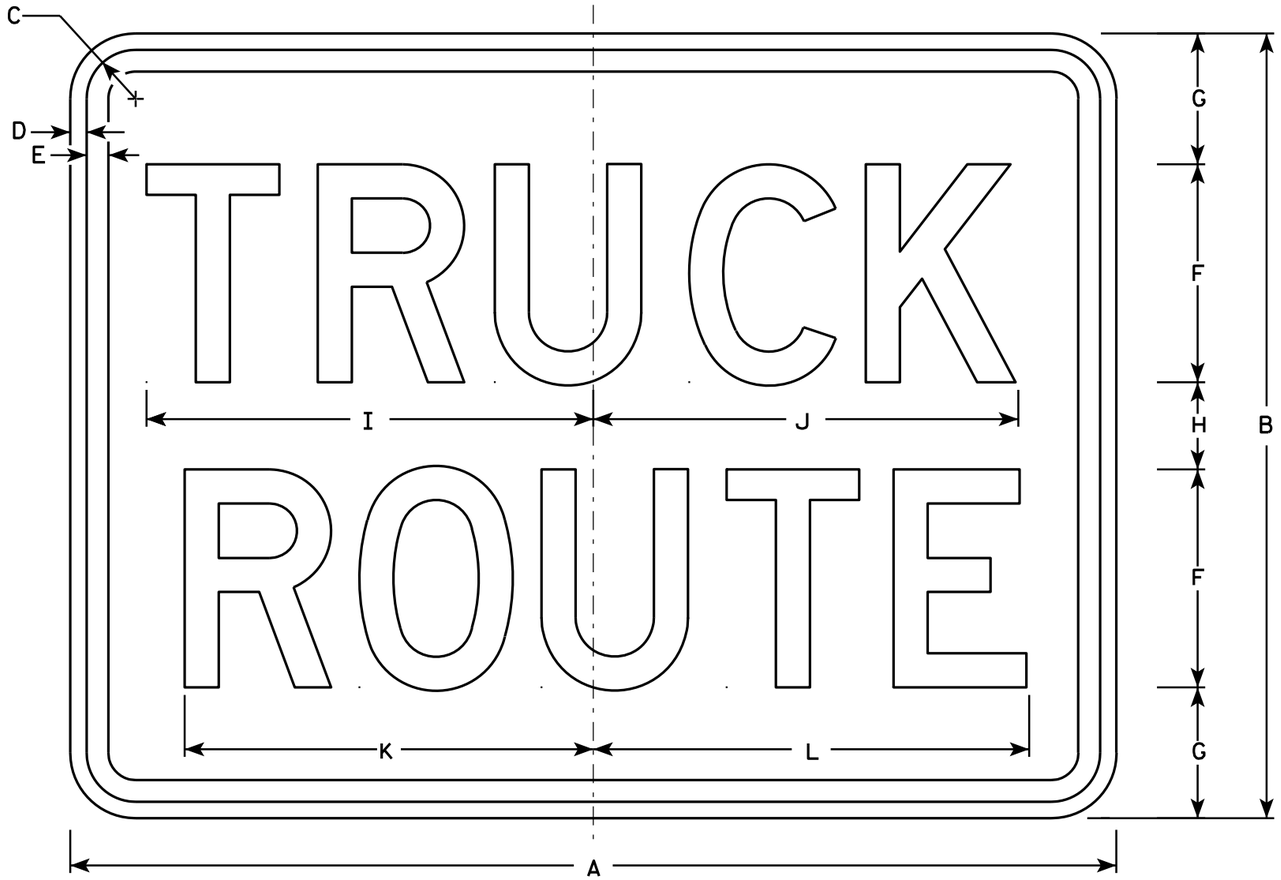
STANDARD SIGN
R11-2

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:	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																											

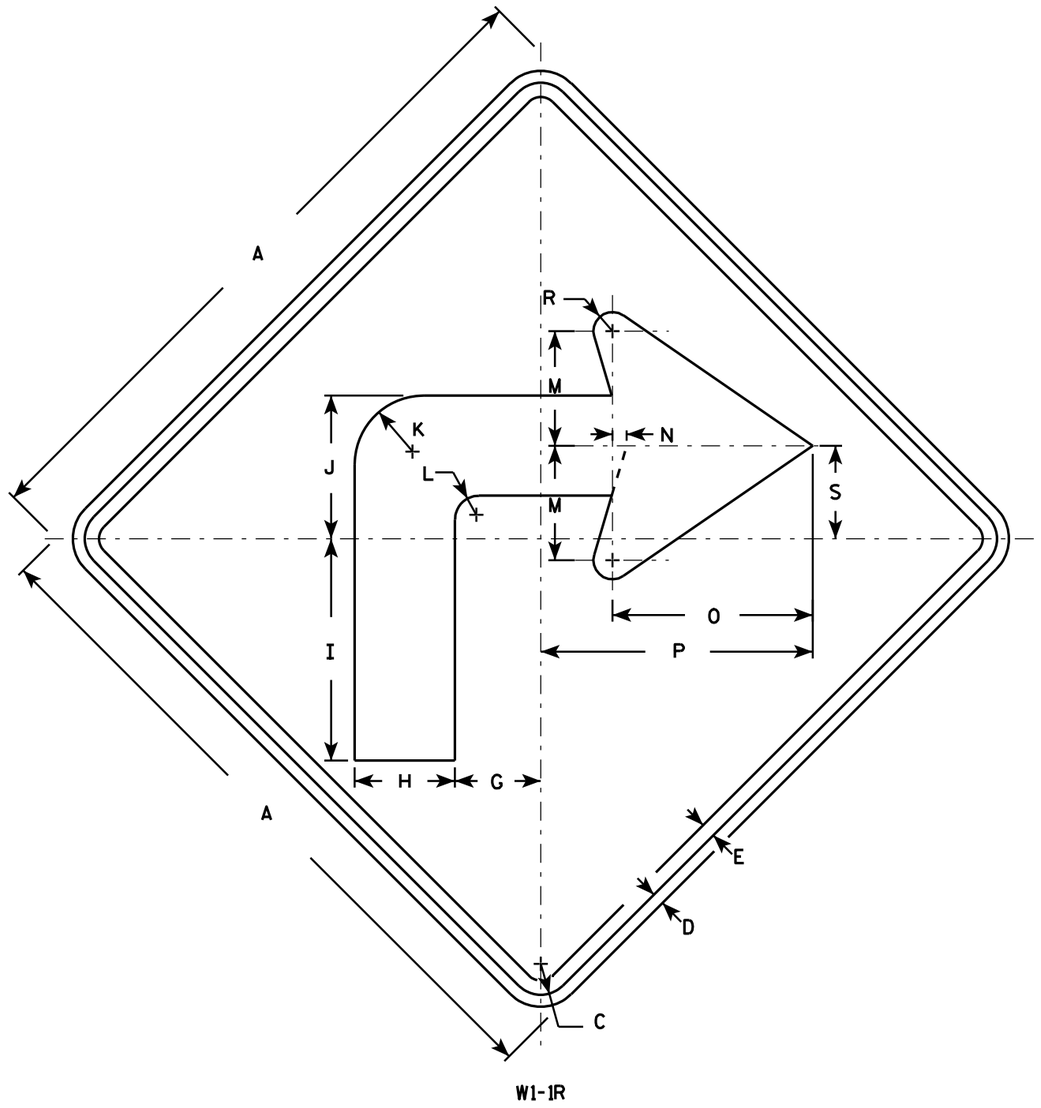
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R14-1.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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

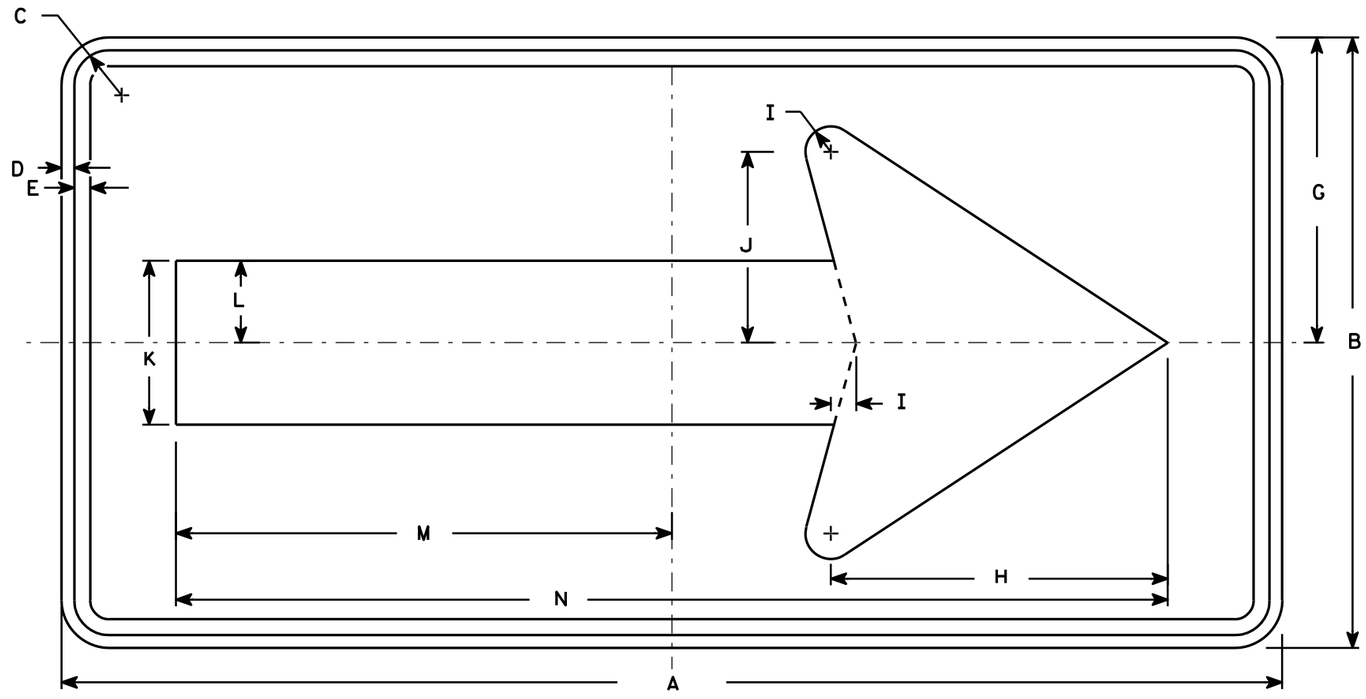
STANDARD SIGN
W1-1

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: E



W1-6

NOTES

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

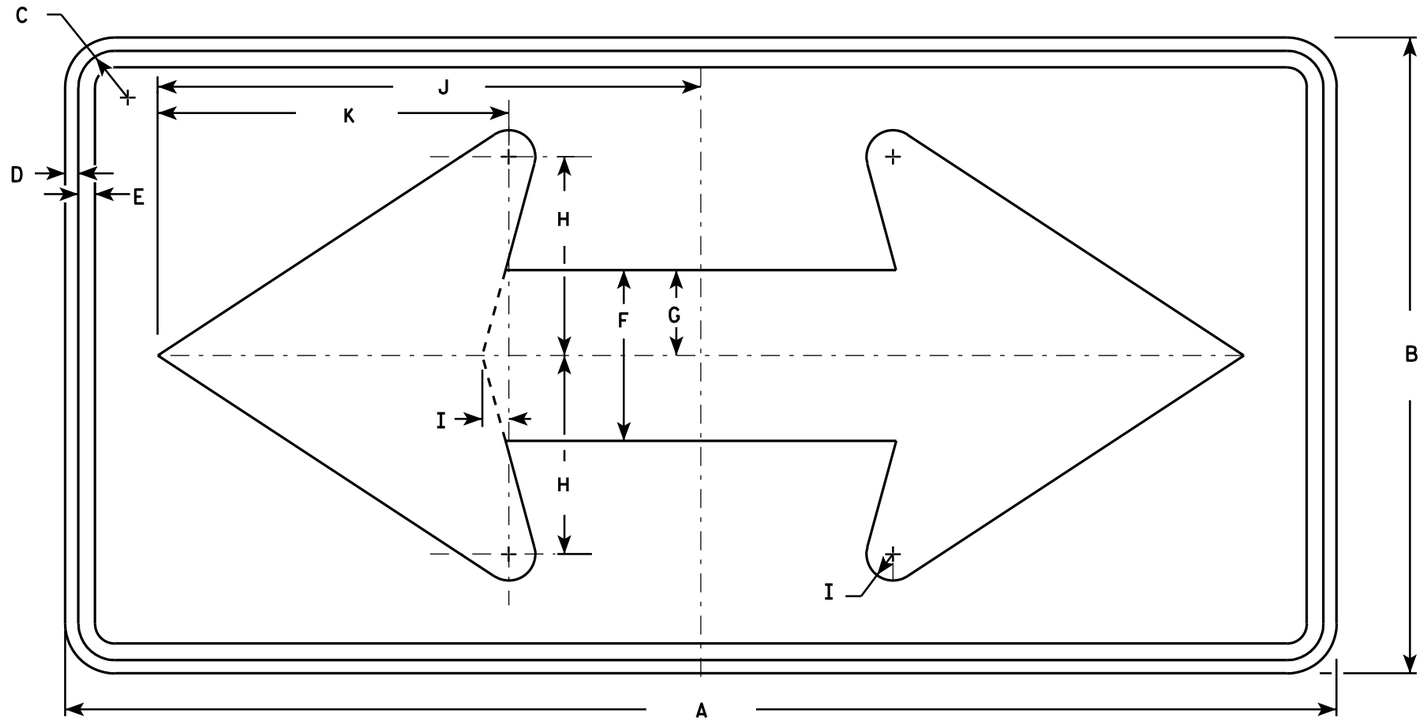
STANDARD SIGN
W1-6

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:	E



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

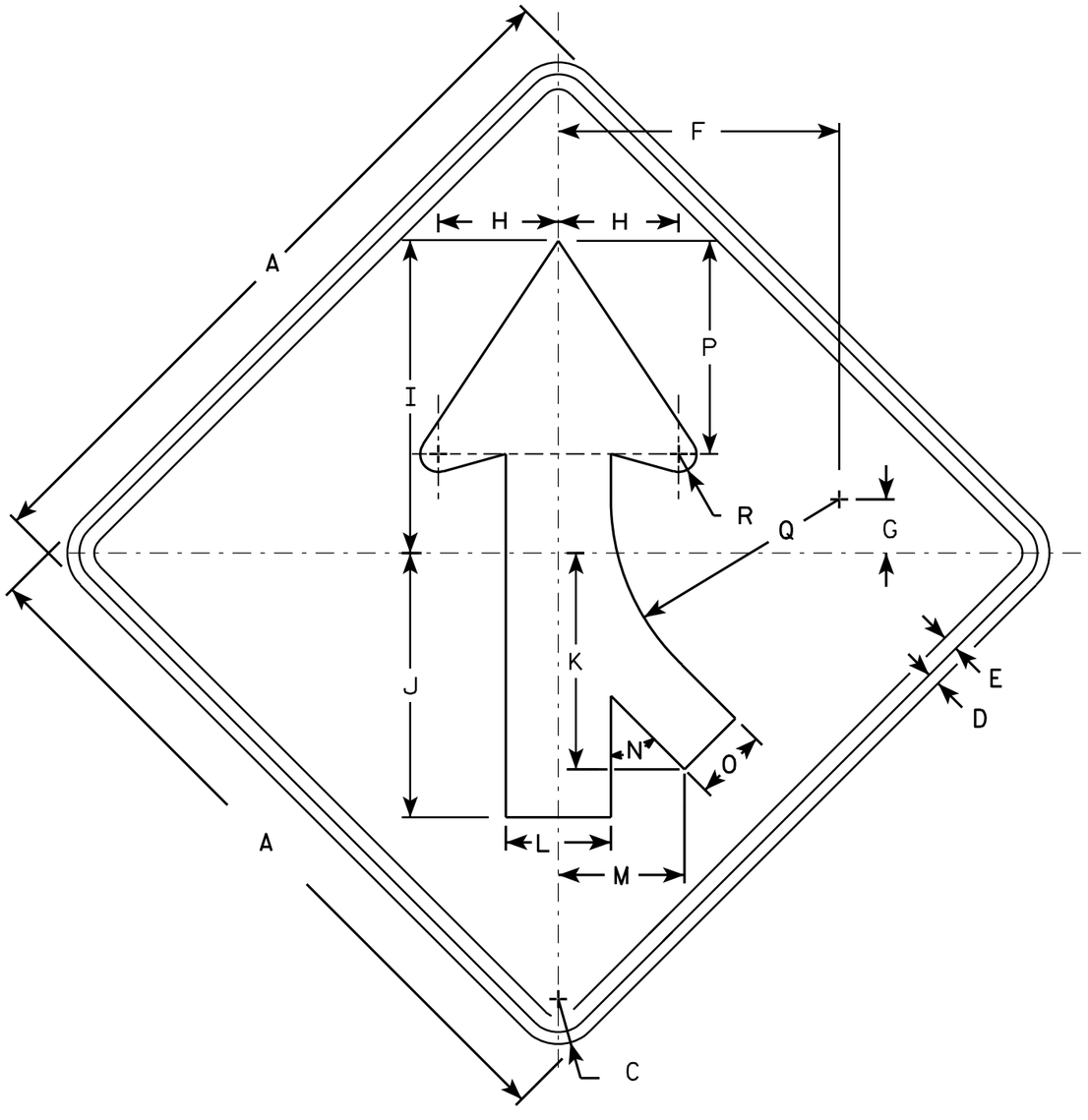
STANDARD SIGN
W1-7

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:	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

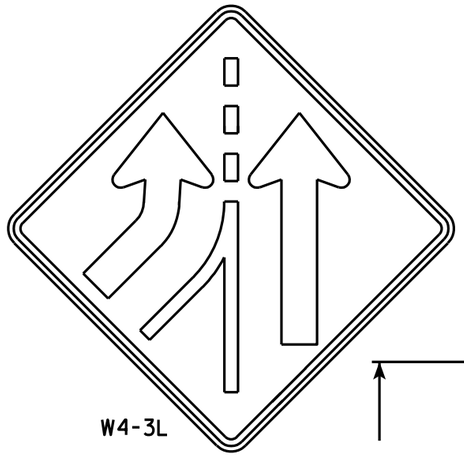
STANDARD SIGN
W4-1

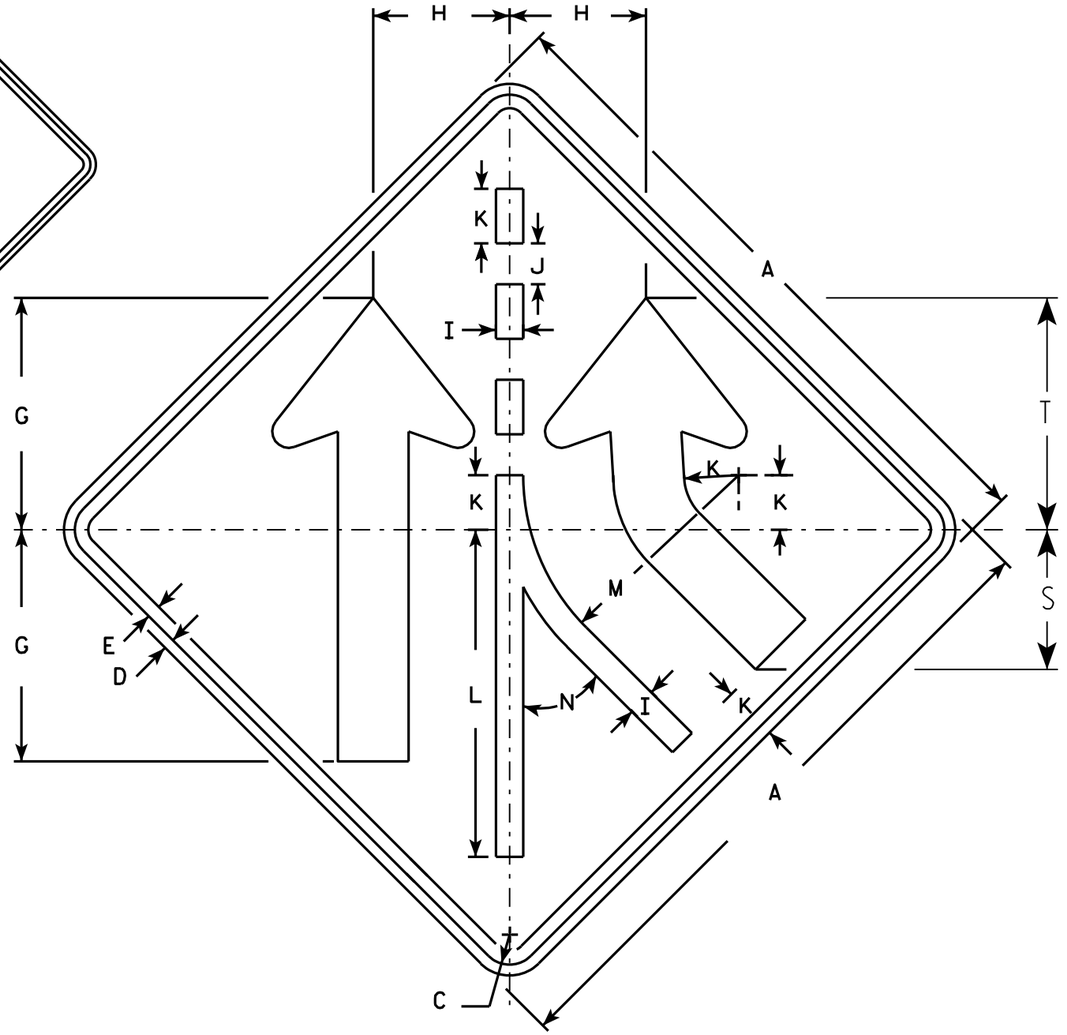
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rausch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

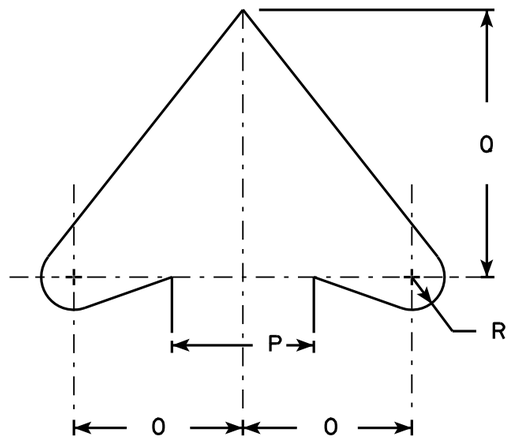




W4-3R

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

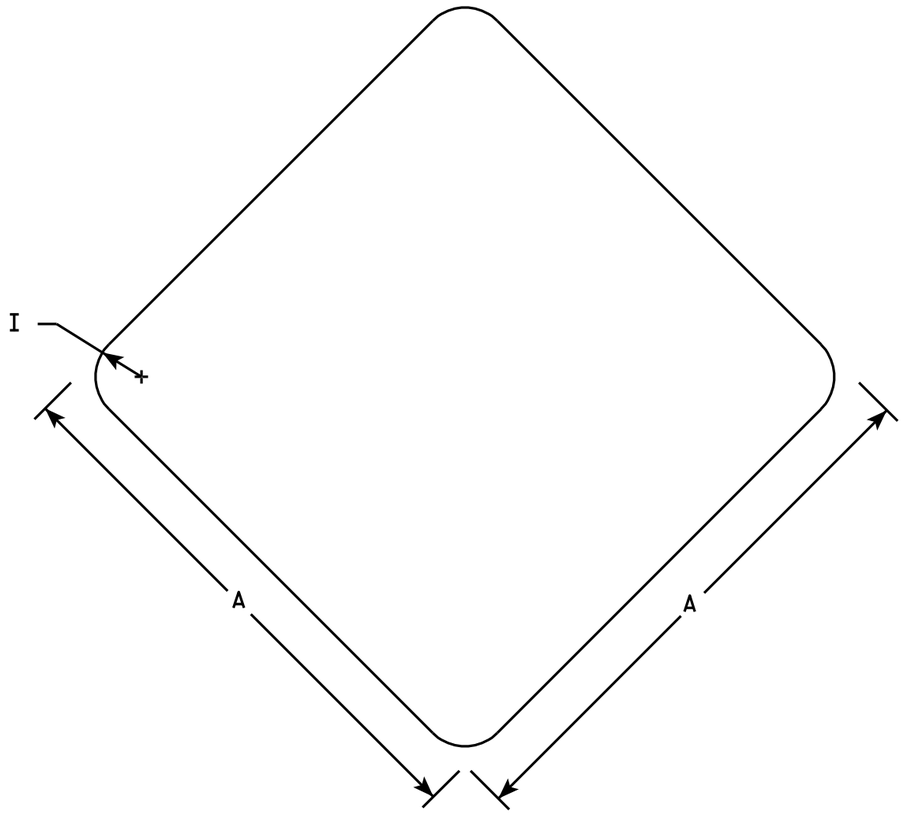
STANDARD SIGN
W4-3

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: 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																											

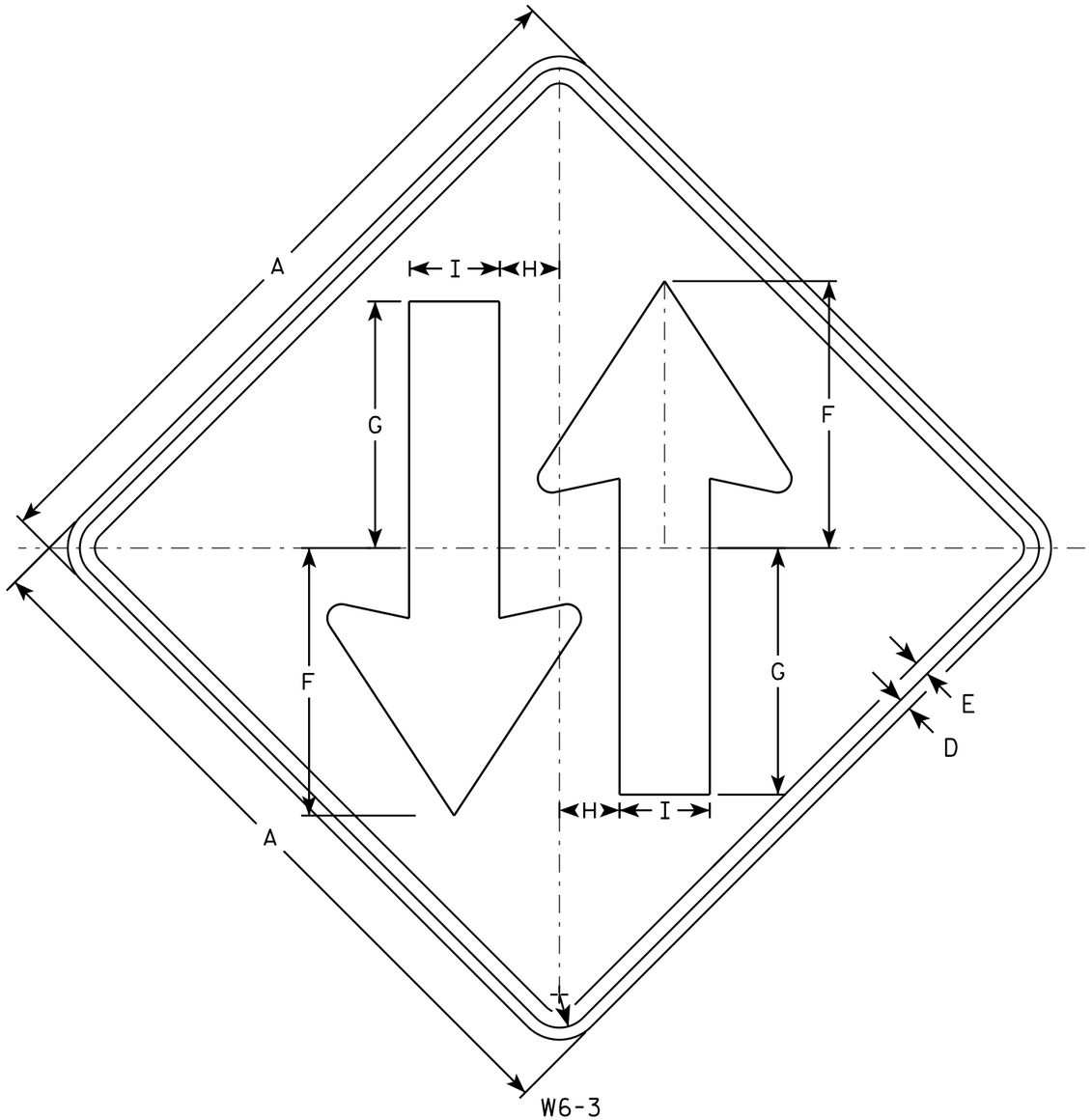
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

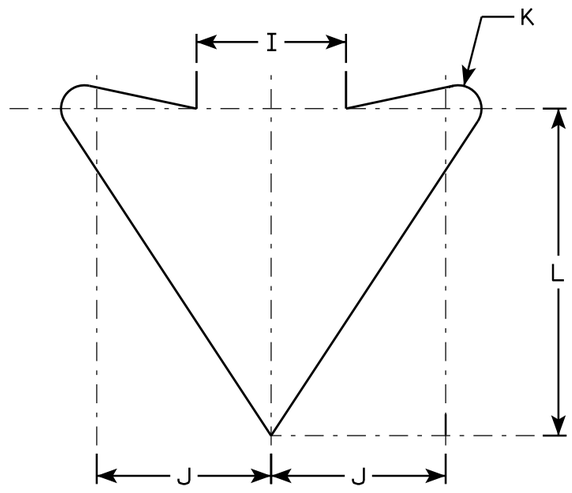
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

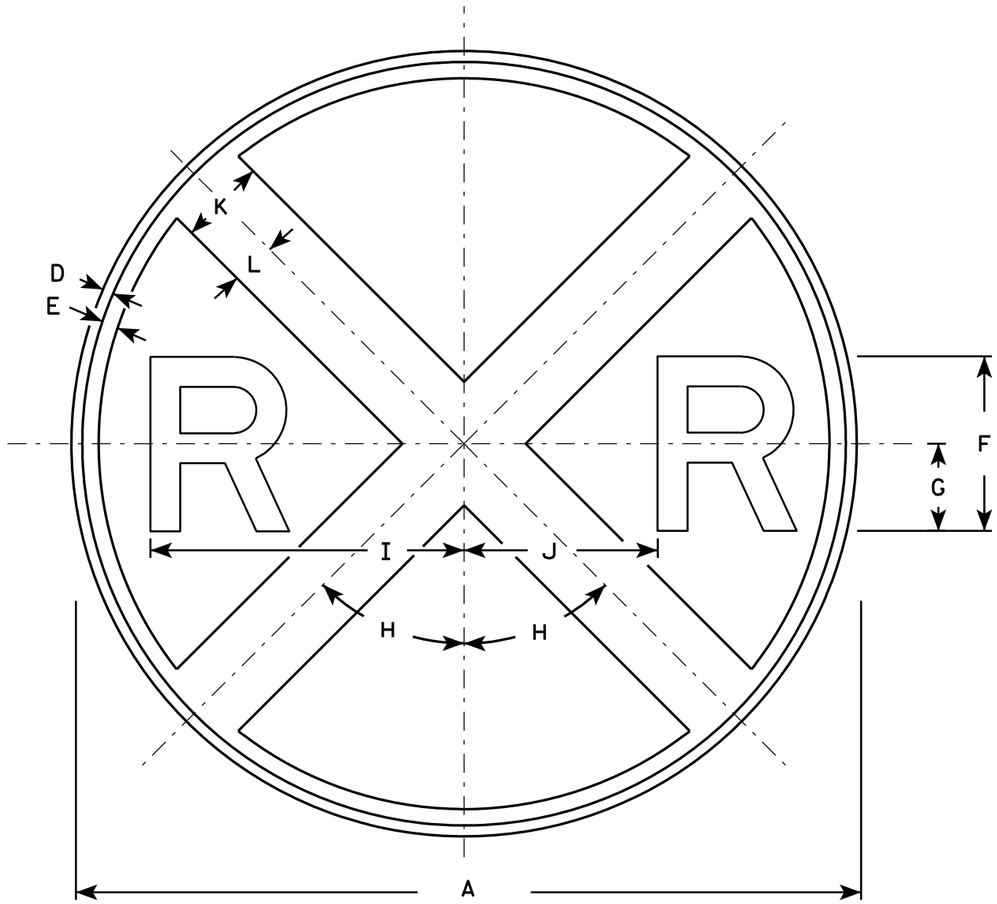
STANDARD SIGN
W6-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE NO. W6-3.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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																											

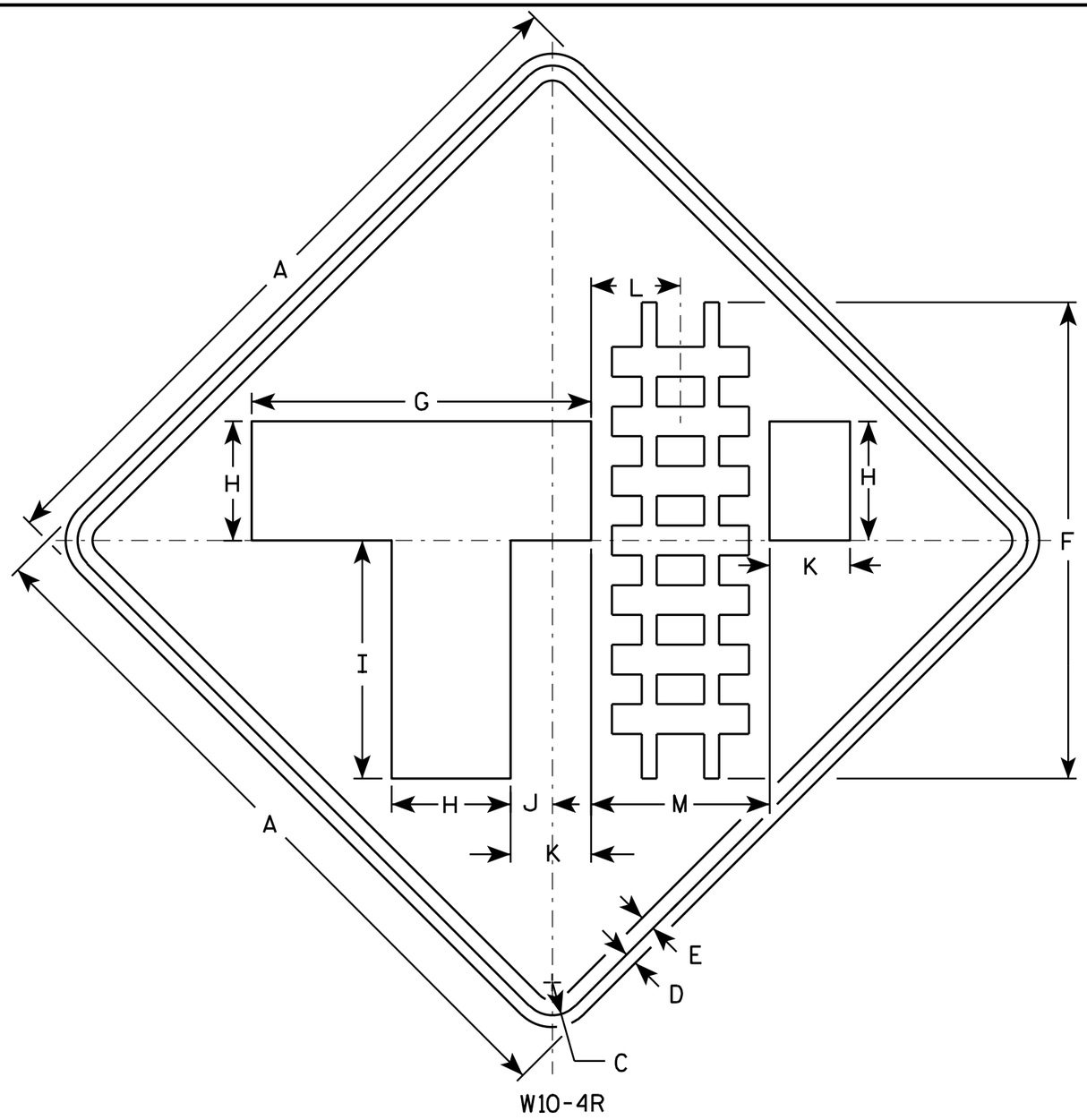
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

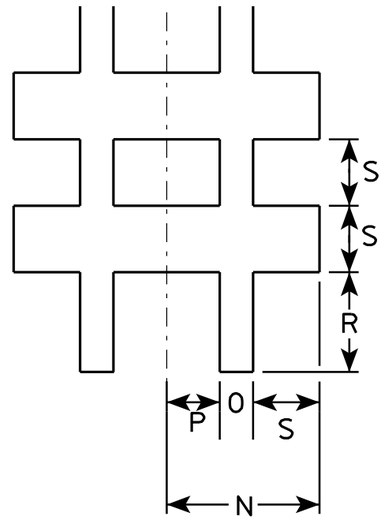
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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																											

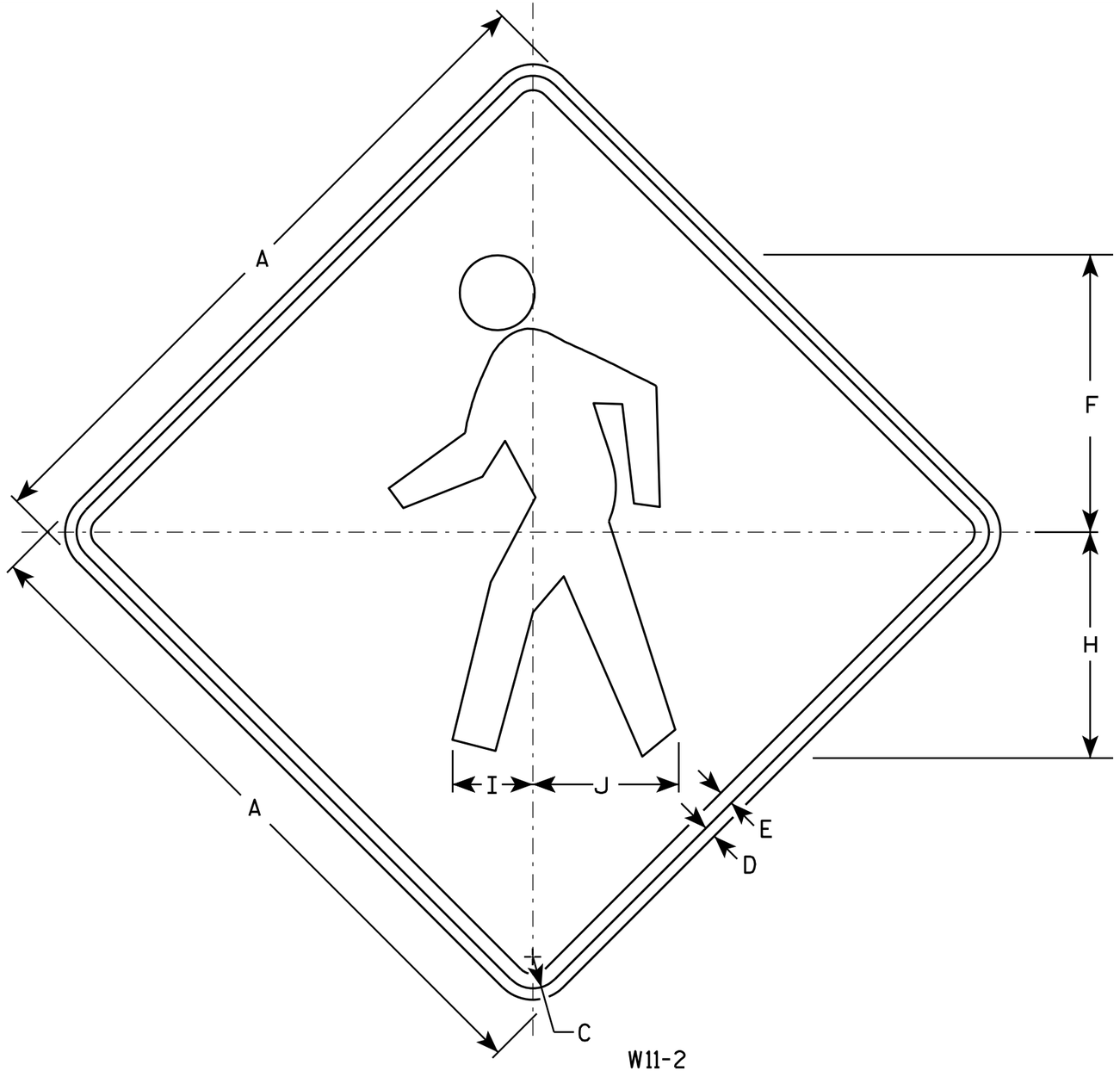
STANDARD SIGN
W10-4

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: E



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																											

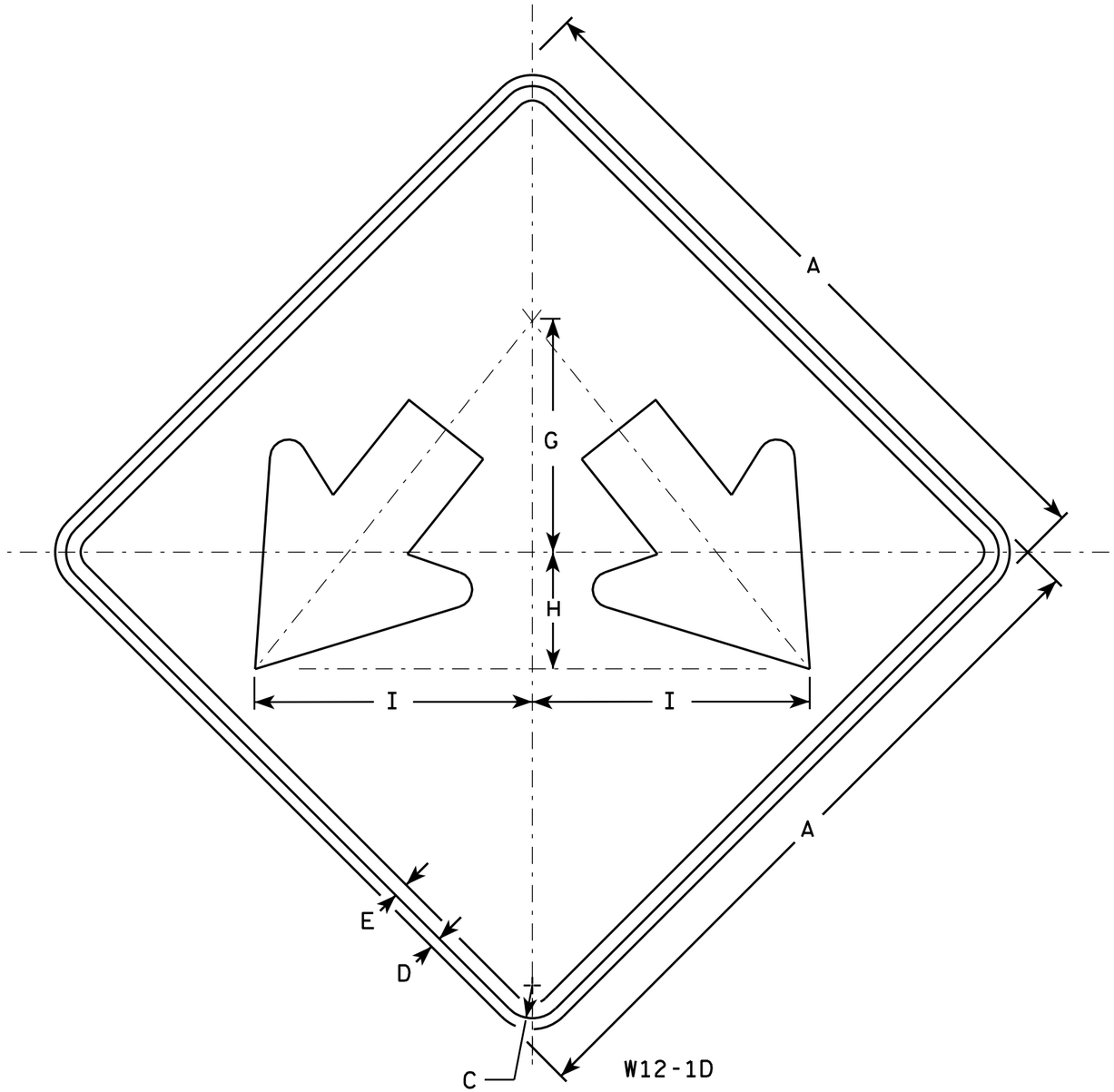
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

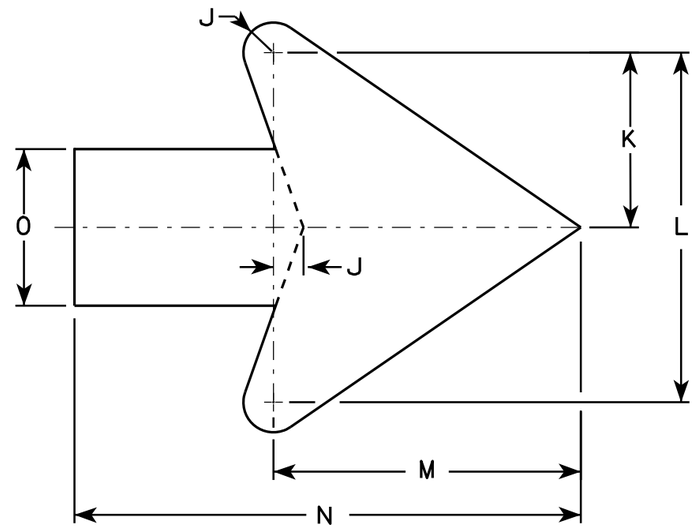
DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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

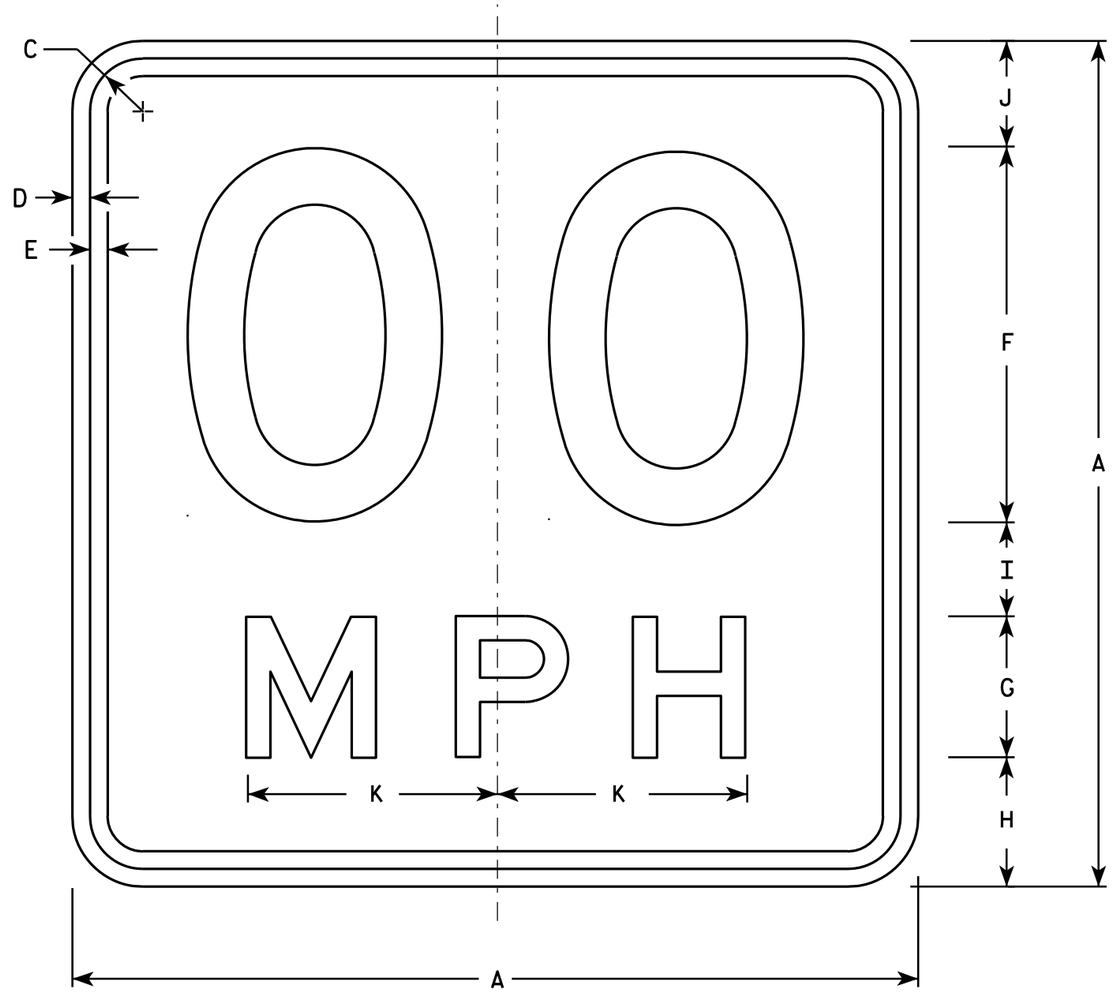
STANDARD SIGN
W12-1D

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:	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

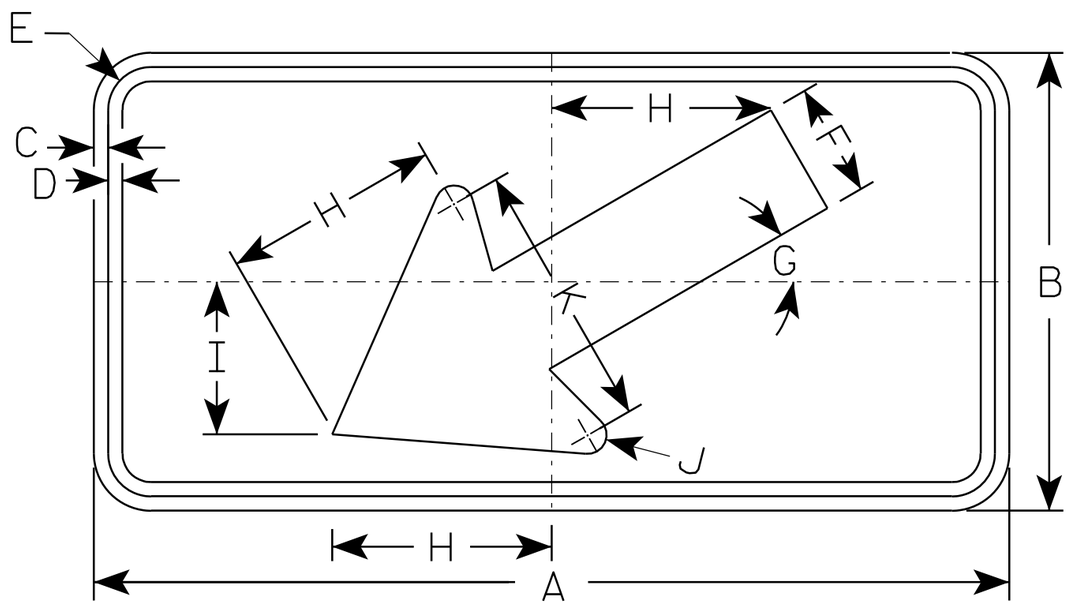
STANDARD SIGN
W13-1

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:	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

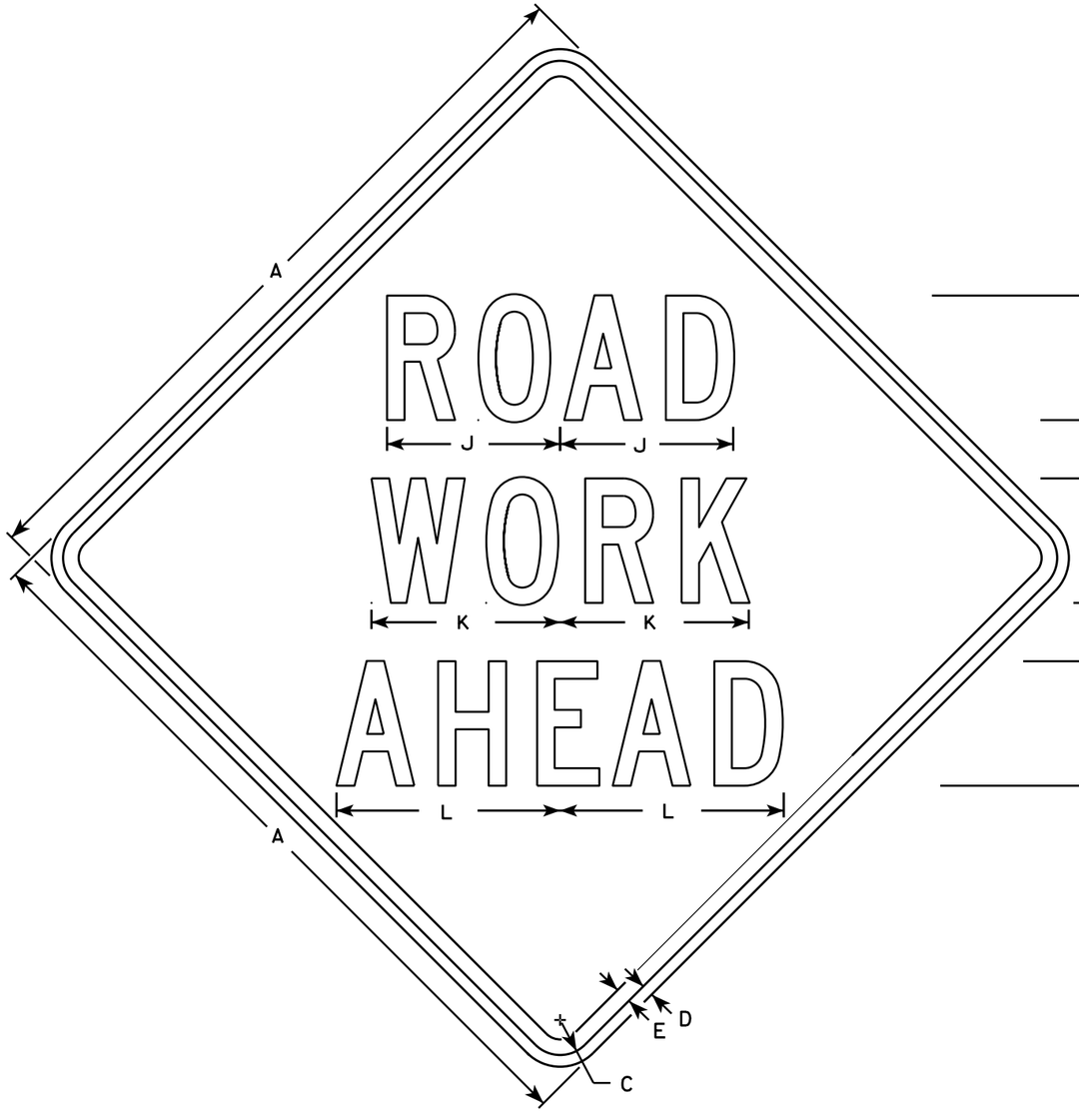
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

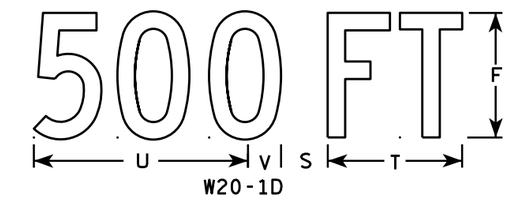
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

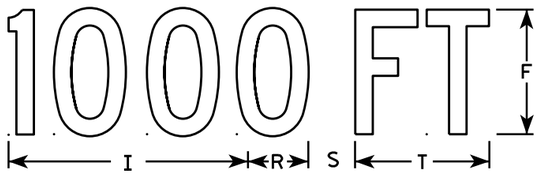
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



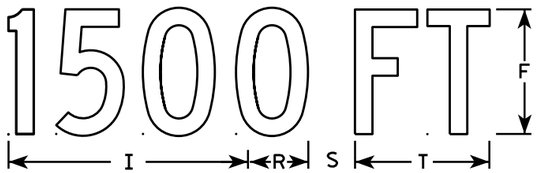
W20-1A



W20-1D



W20-1C



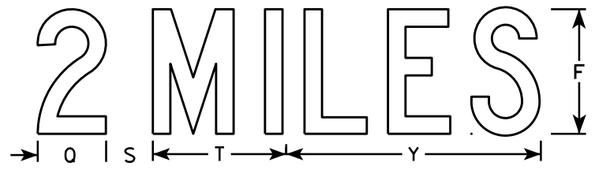
W20-1B



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

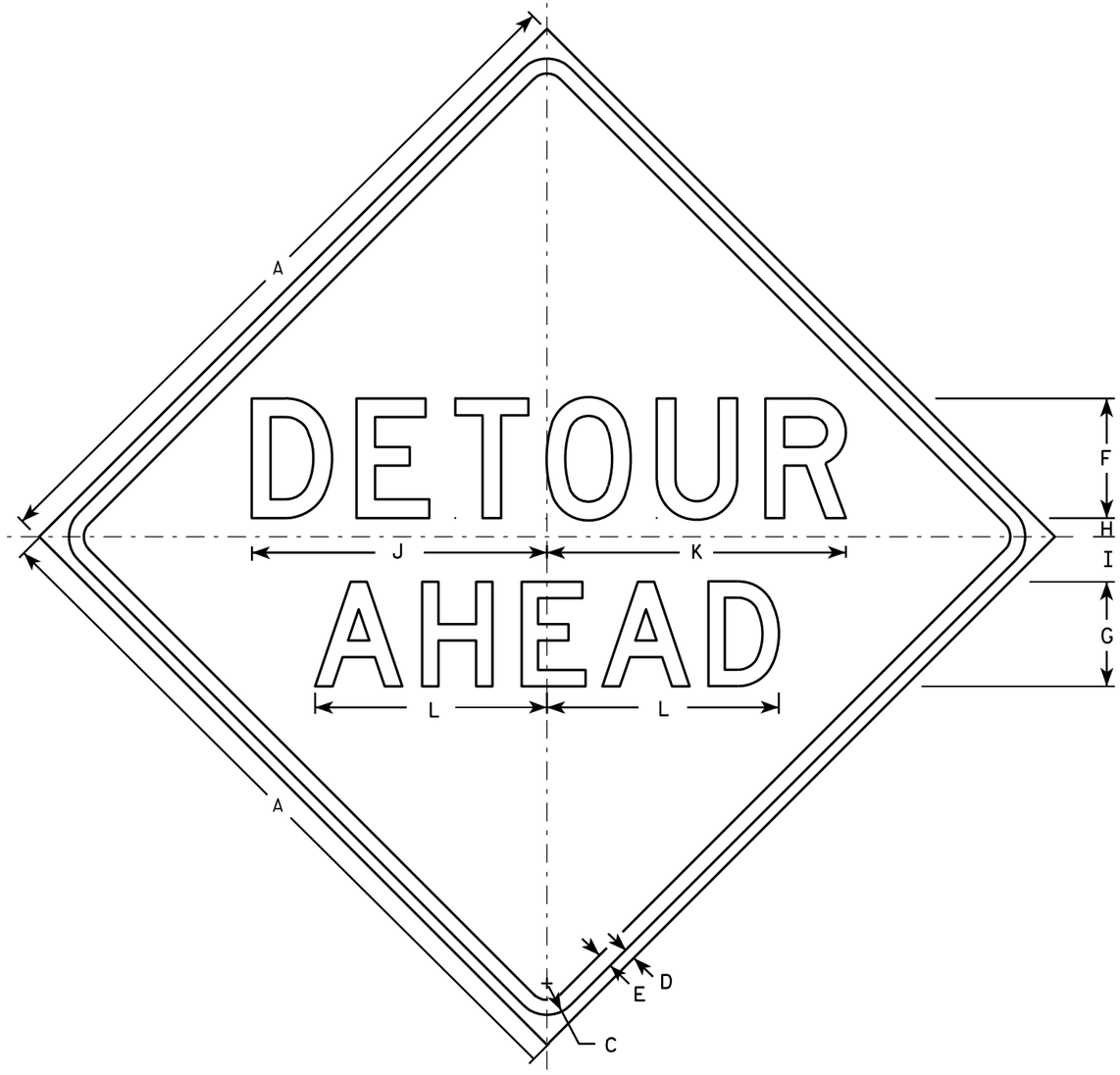
APPROVED

State Traffic Engineer

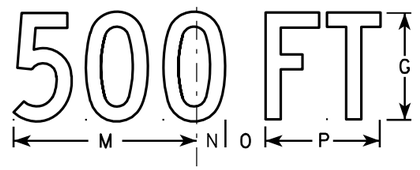
DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO:

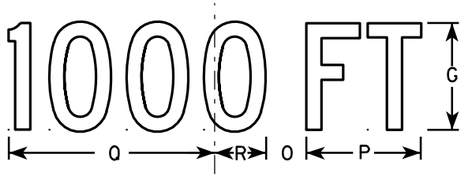
SHEET NO: E



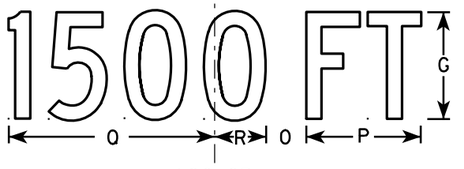
W20-2A



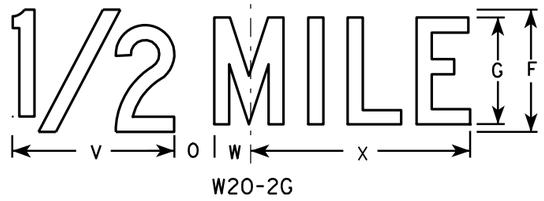
W20-2D



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

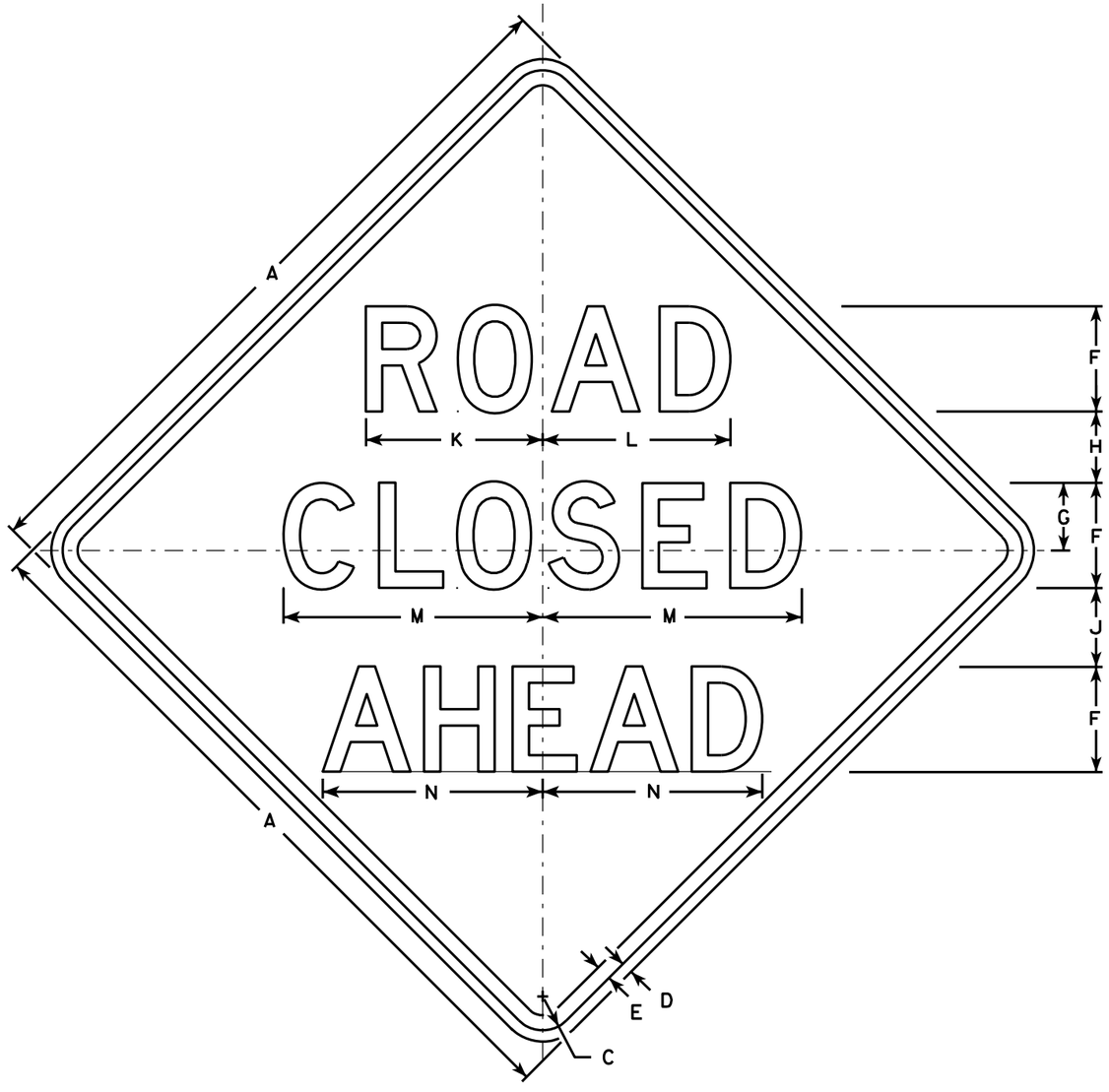
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

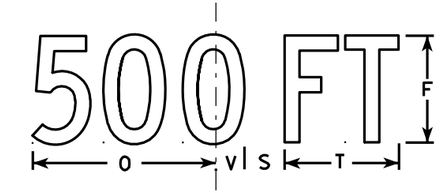
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

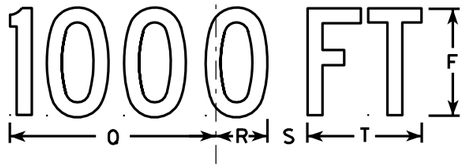
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



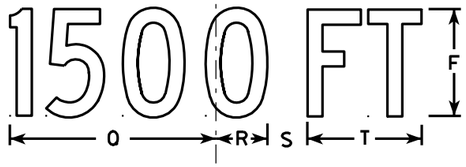
W20-3A



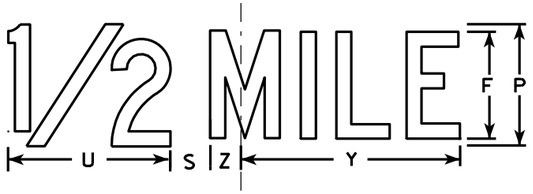
W20-3D



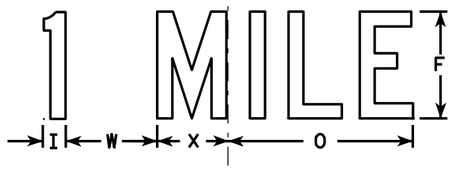
W20-3C



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

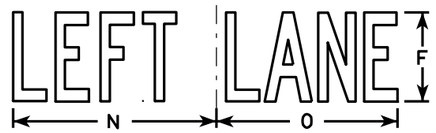
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7

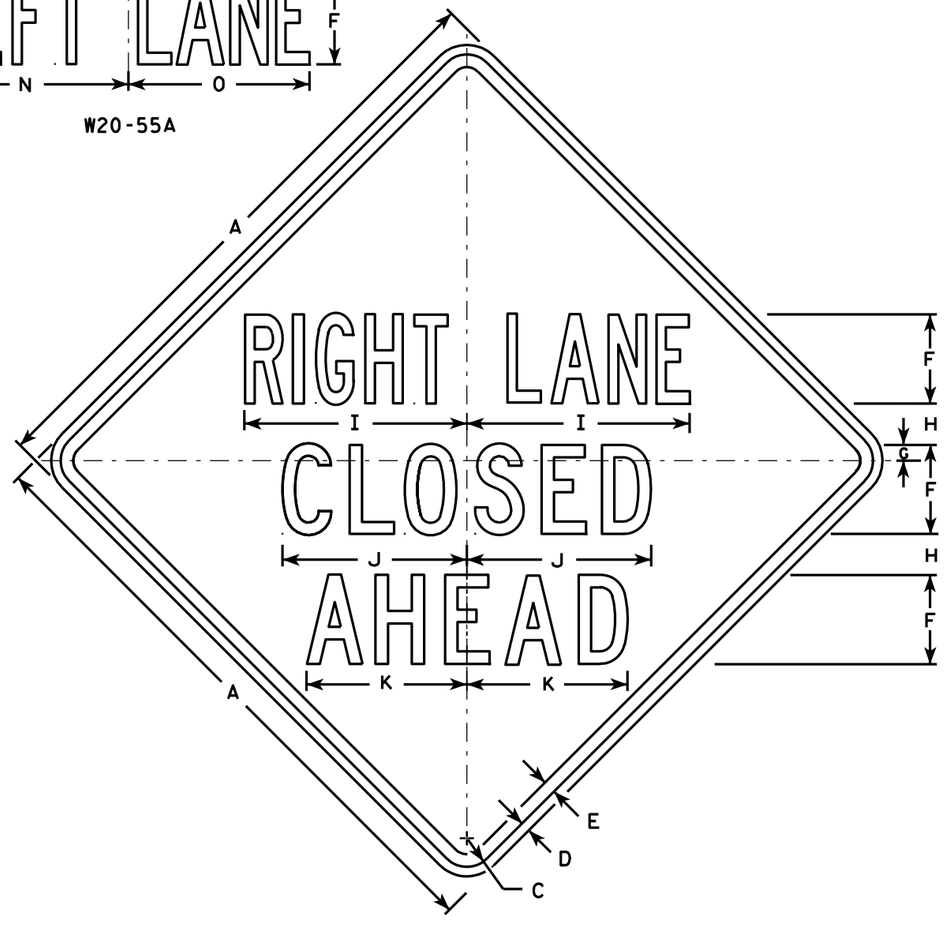
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



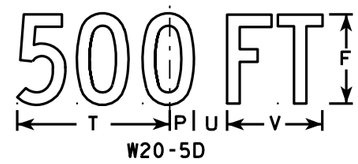
W20-56A



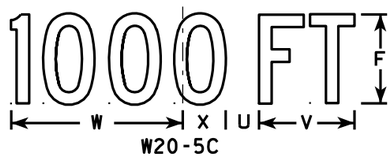
W20-55A



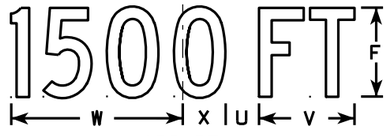
W20-5A



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

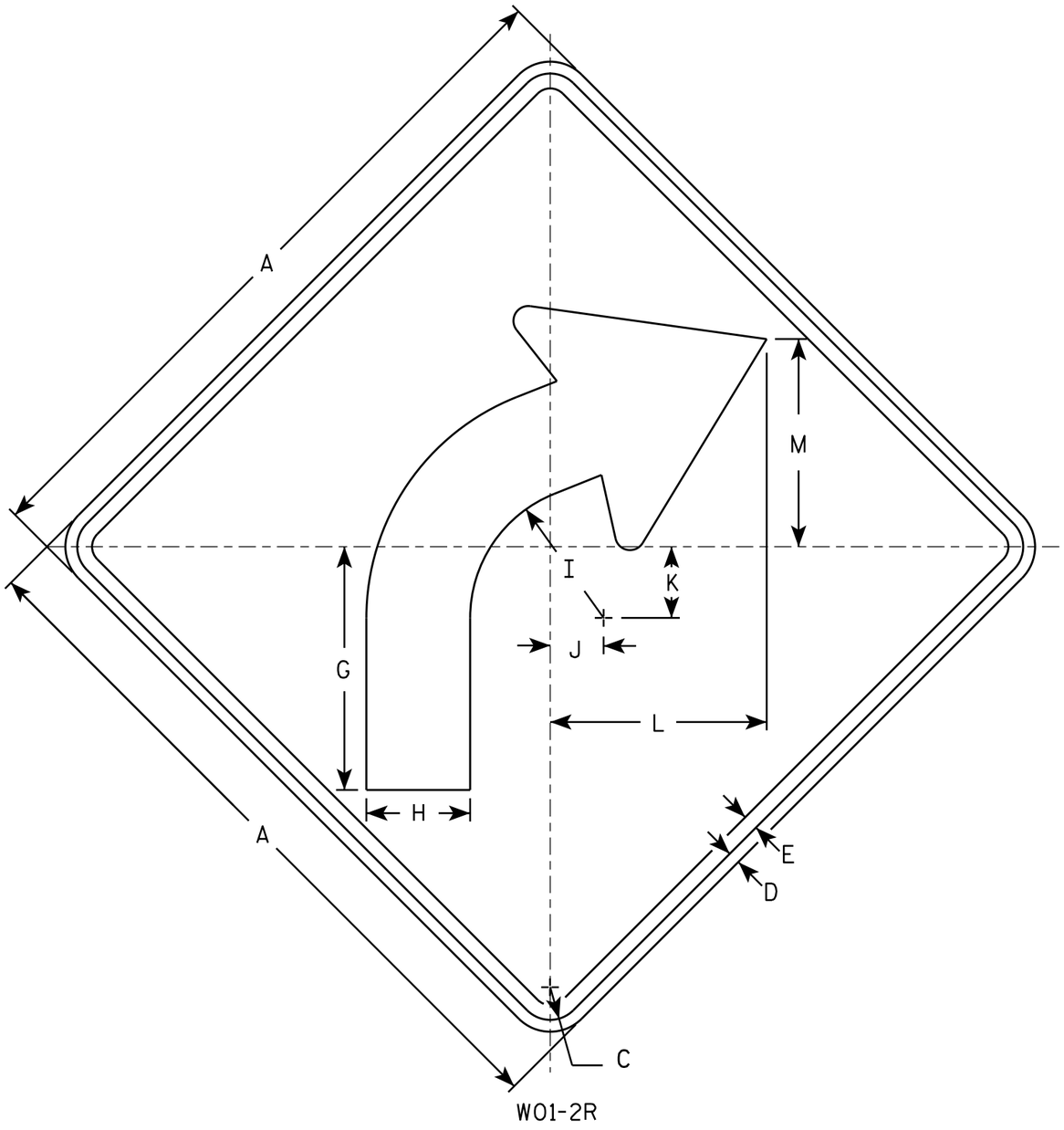
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

7

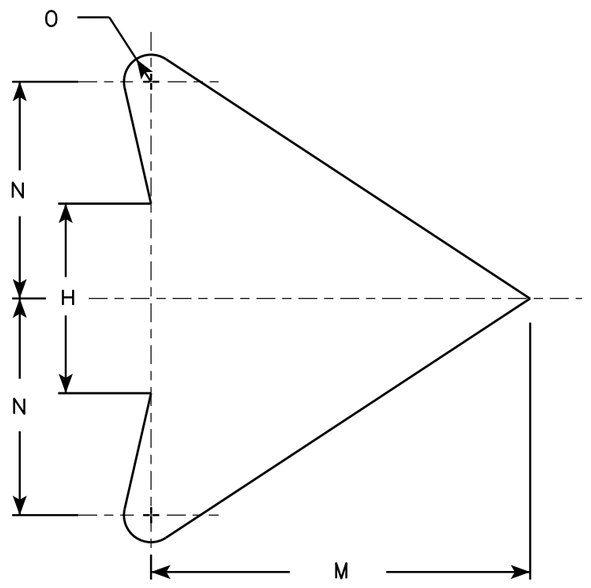
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



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

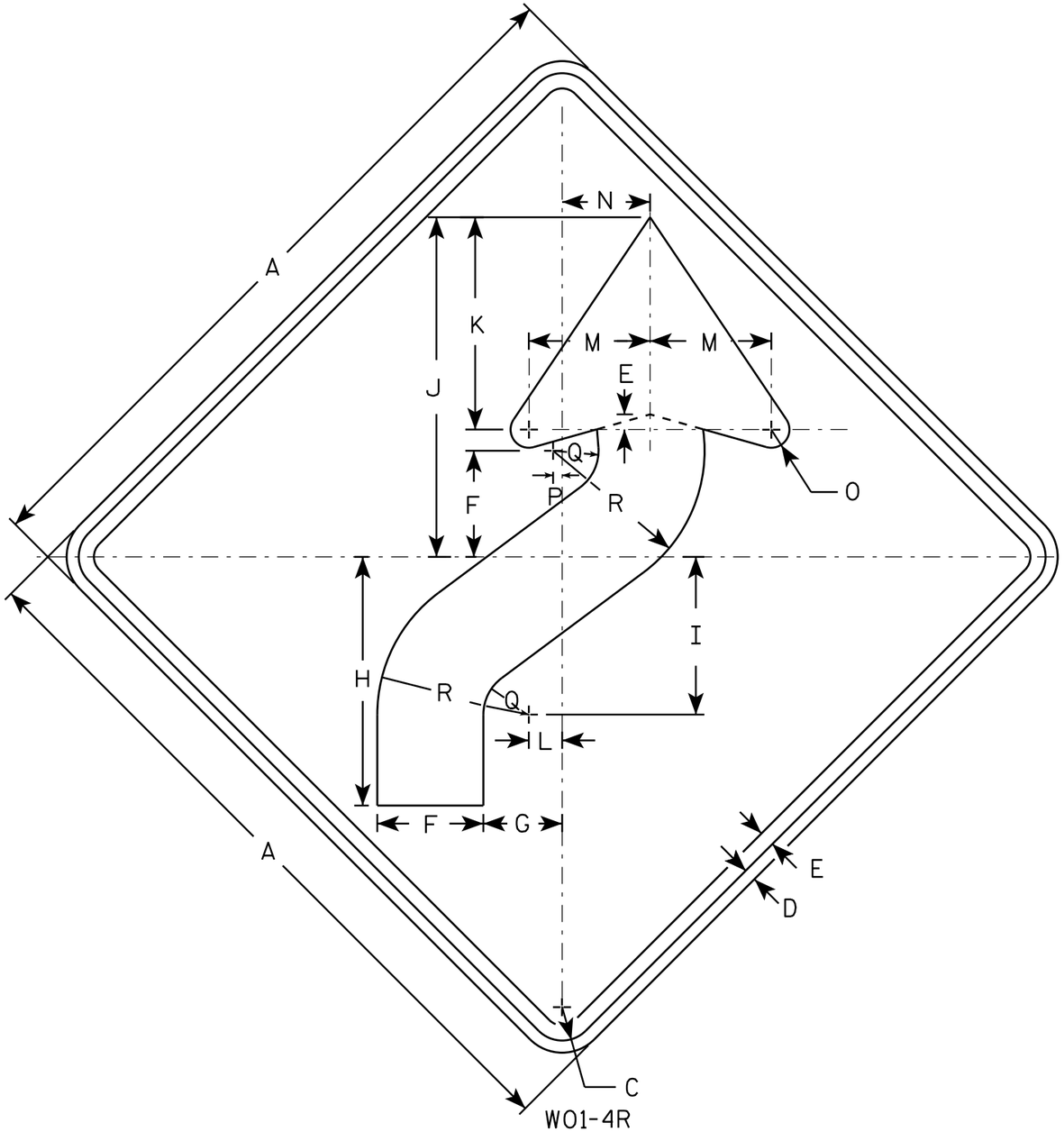
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

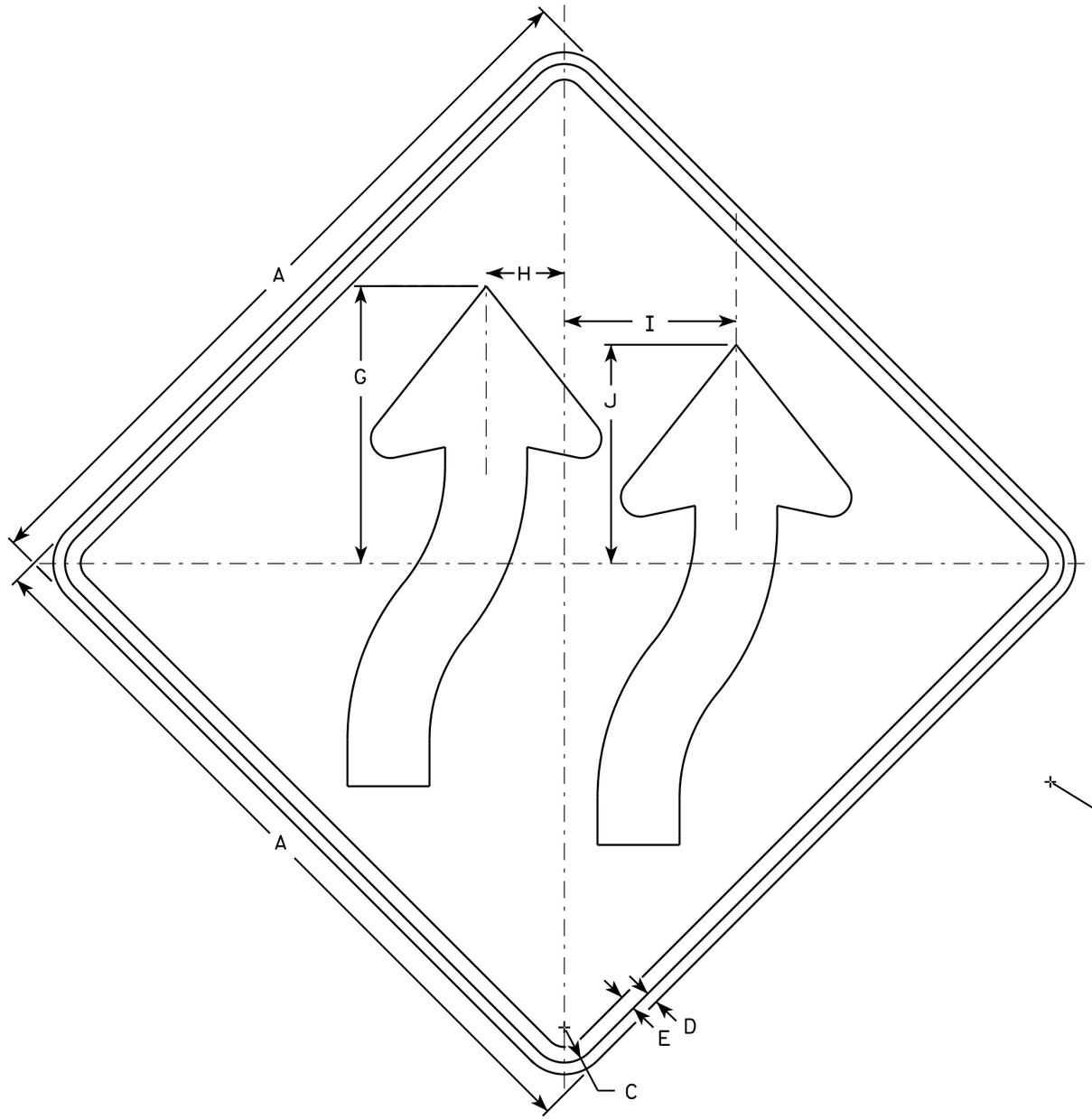
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4.1

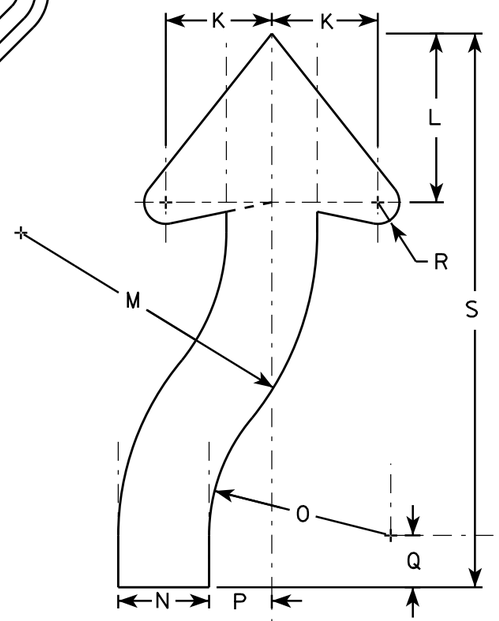
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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



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

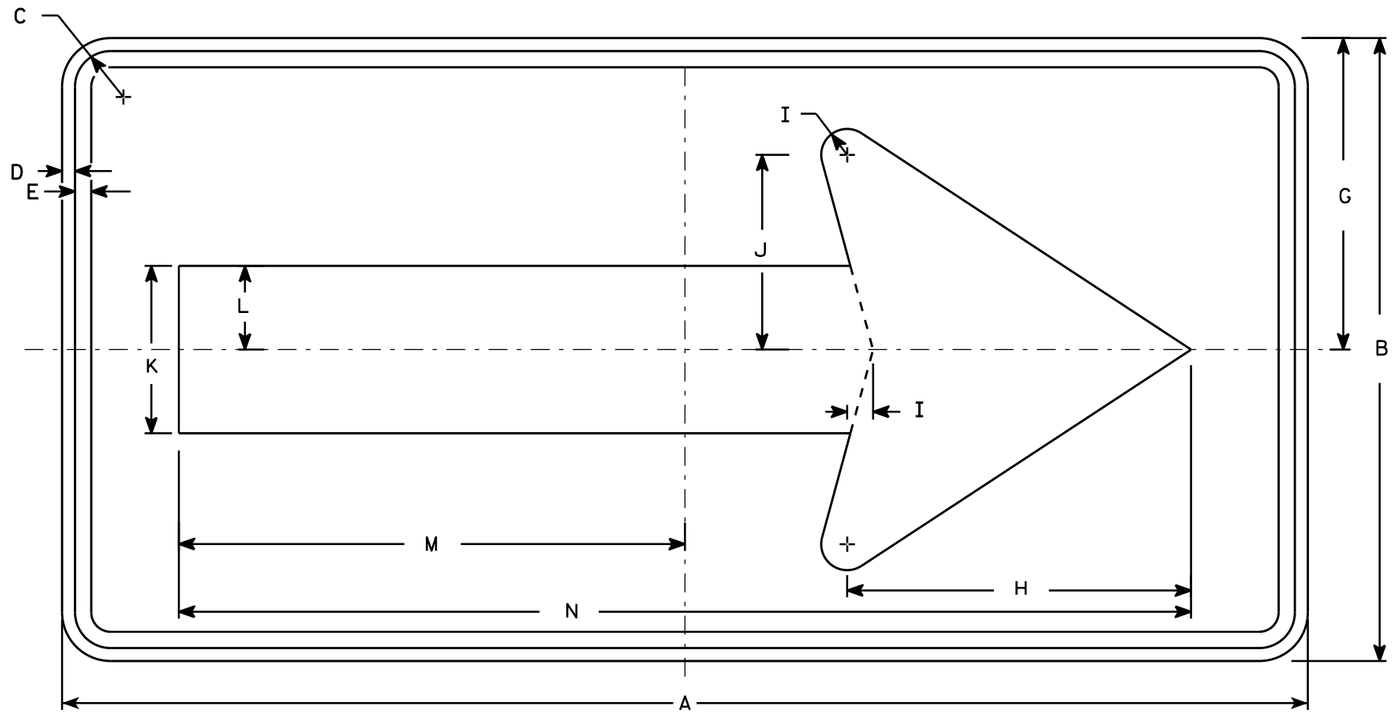
STANDARD SIGN
W01-4b

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

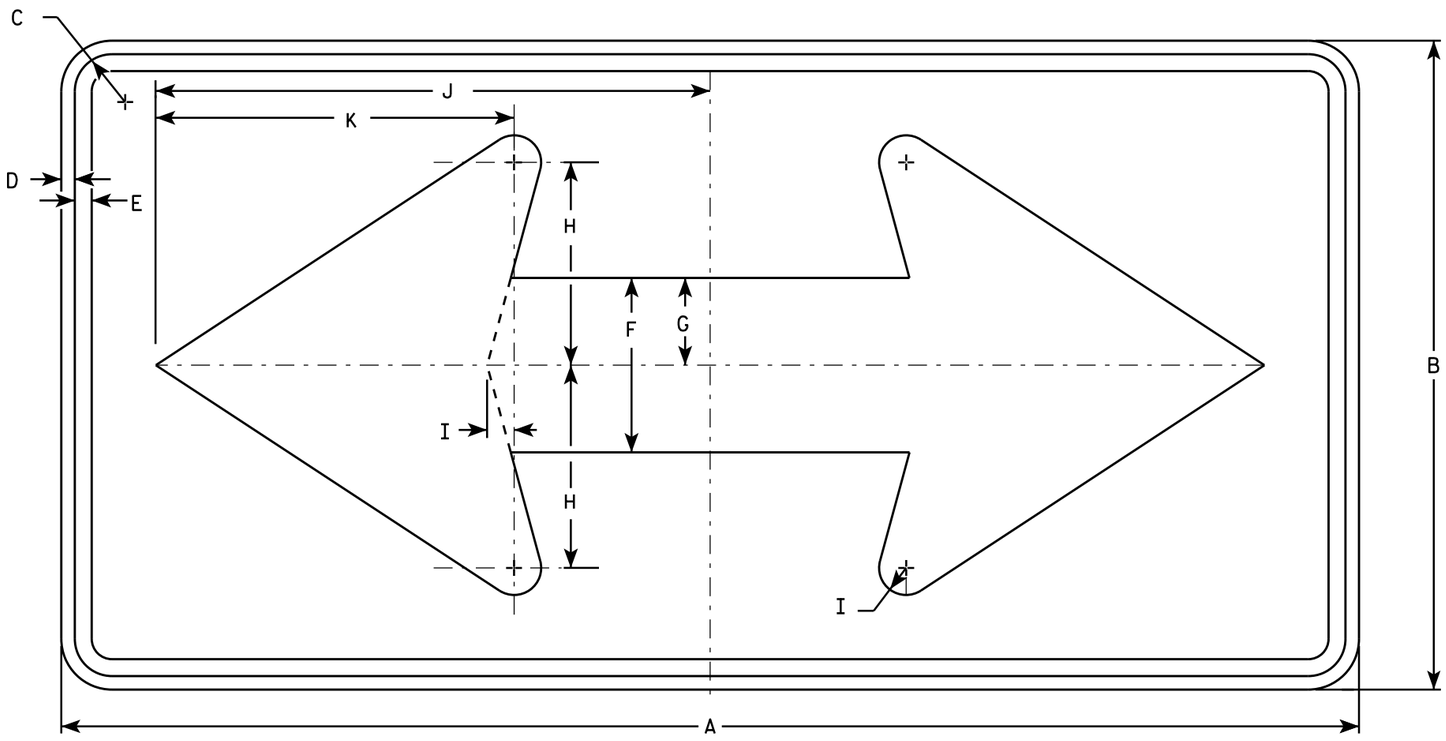
STANDARD SIGN
W01-6

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



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

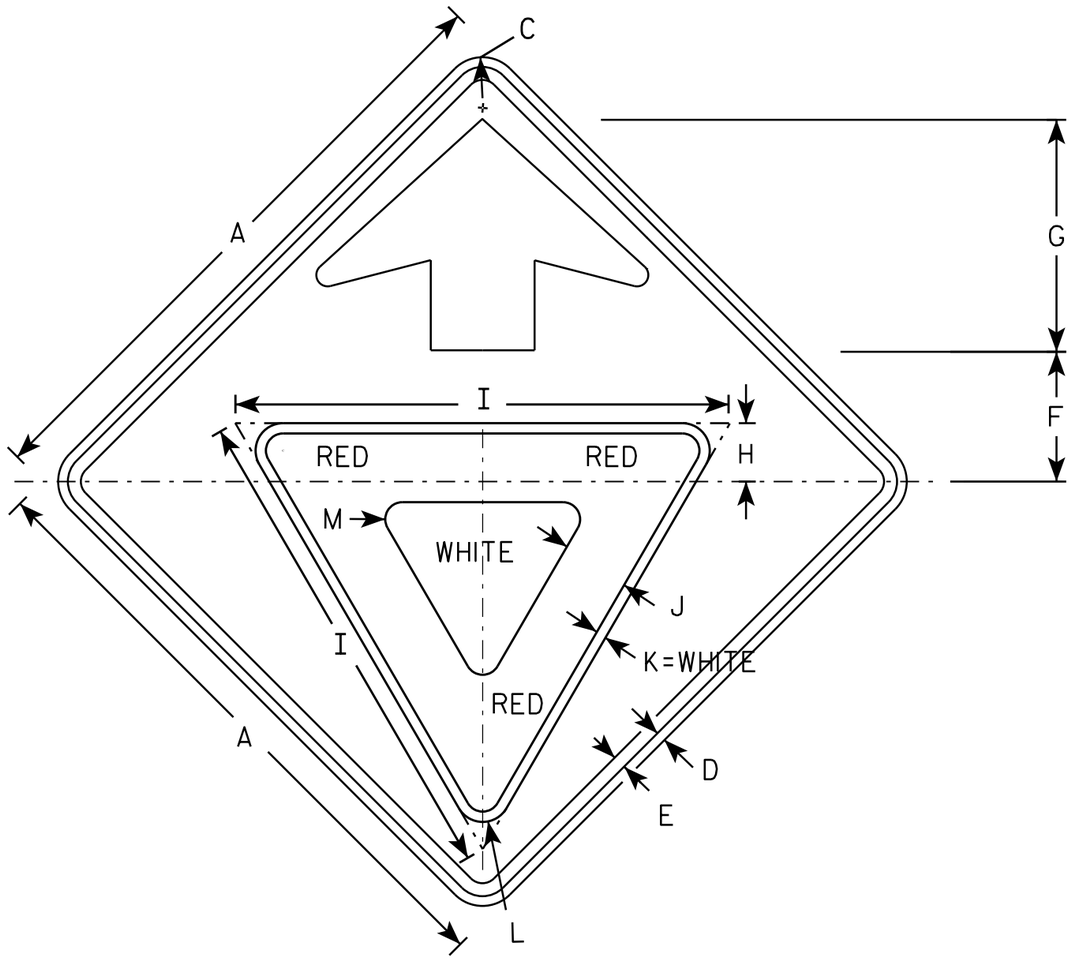
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-7.1

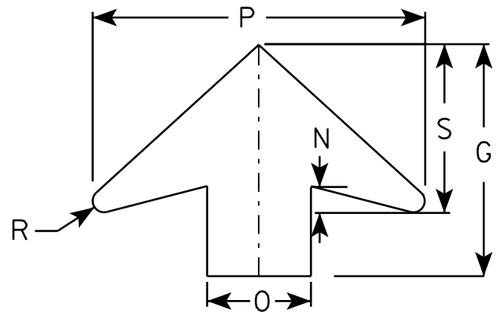
PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E



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

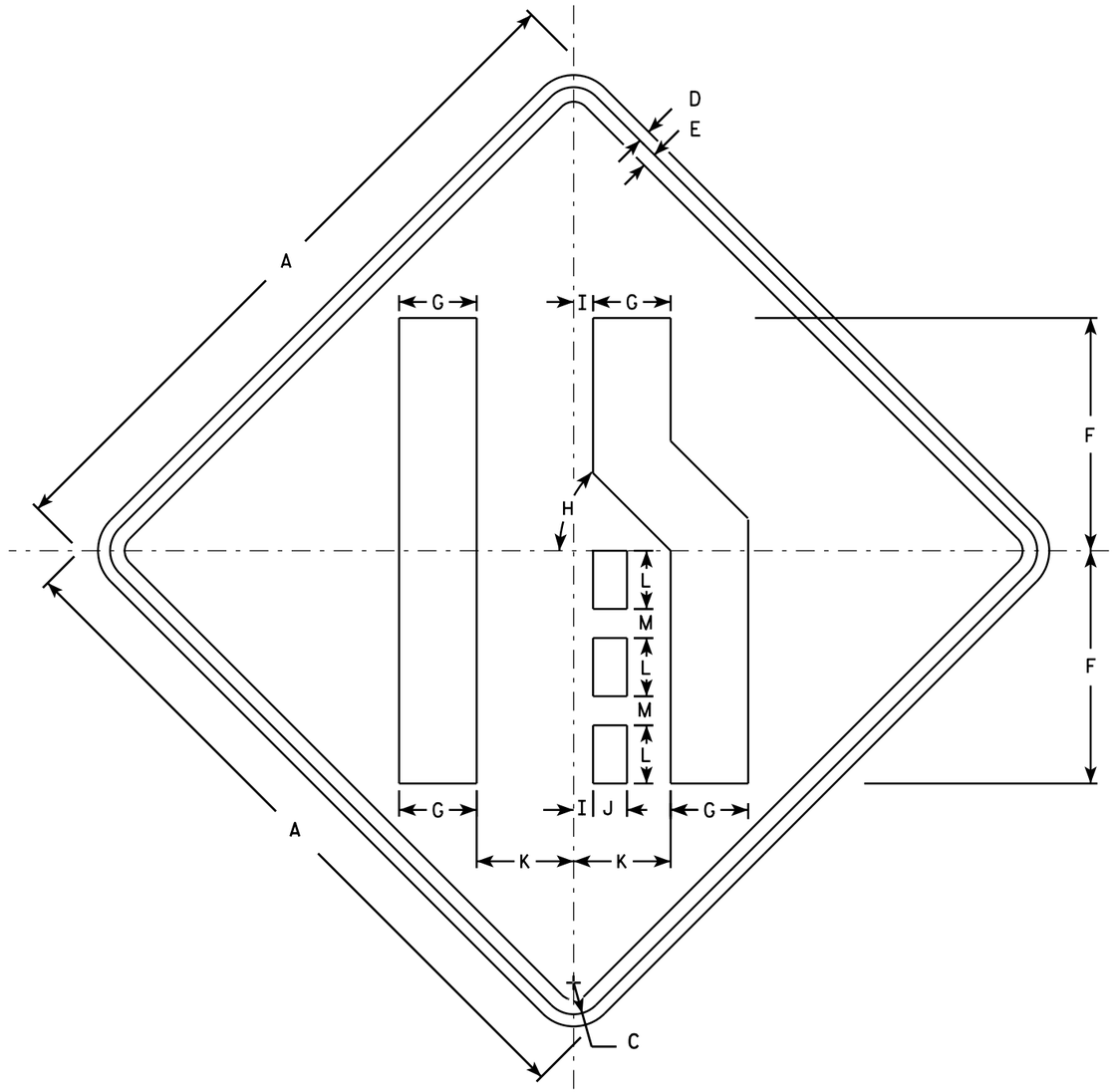
STANDARD SIGN
W03-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. 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

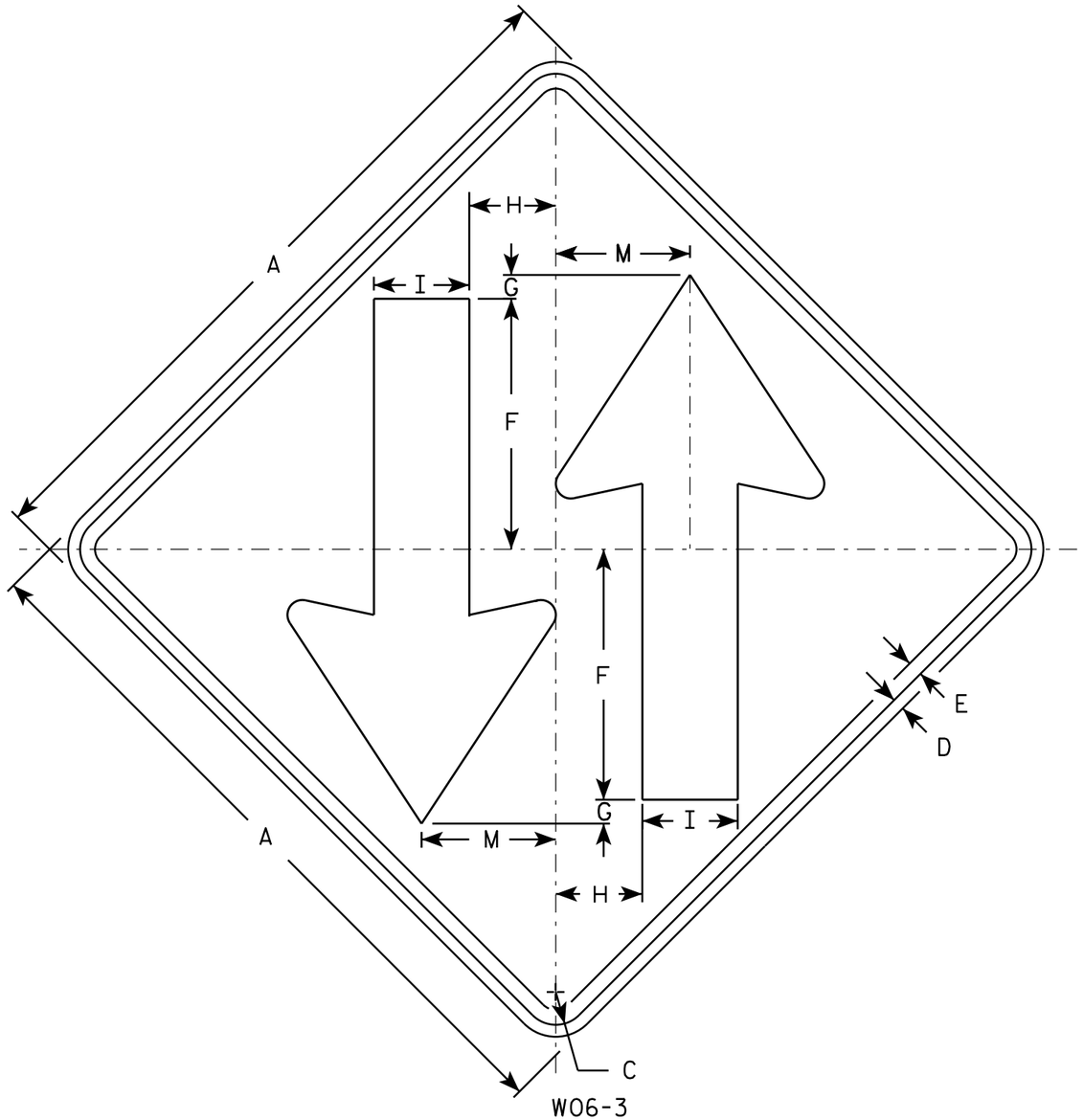
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. W04-2.1

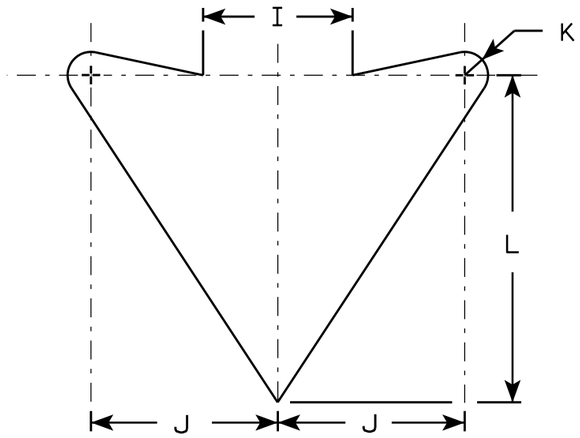
PROJECT NO: | SHEET NO: E



W06-3

NOTES

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

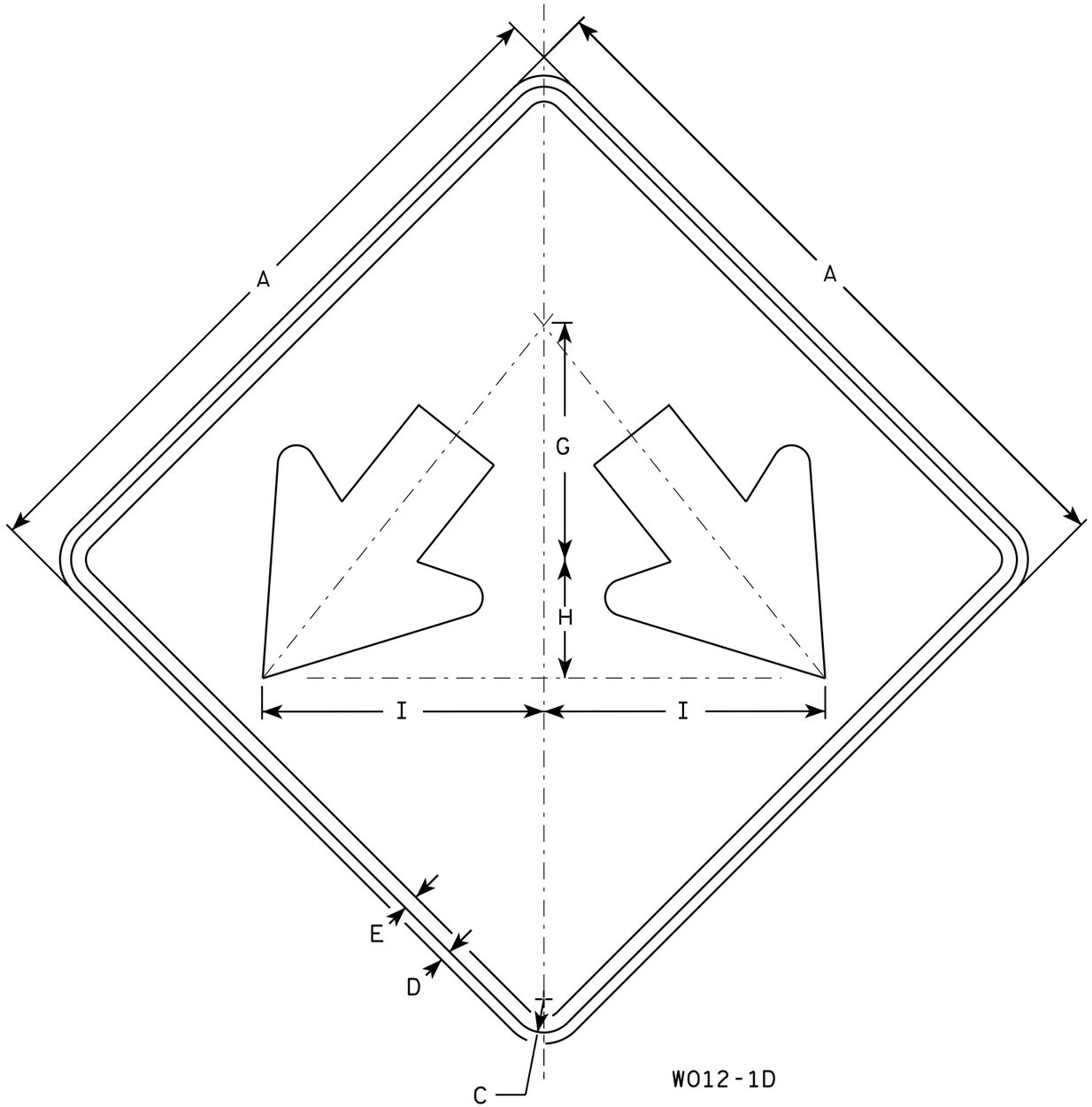
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. W06-3.1

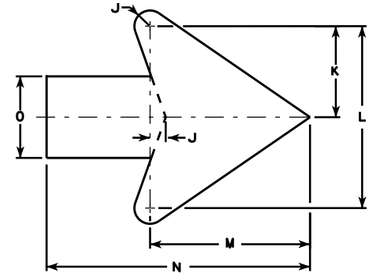
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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 NO. W012-1D.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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	48	5	0	7	48	0	37
FIRST ST. MEDIAN	---	---	---	0.0	0.0	59	8	0	9	106	0	80
				COLUMN TOTALS		106	13	0	16			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 15% 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

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		23.6	1.3	0.0	3.1	0	0	0	0	0	0	0
101+50	47	23.6	1.3	0.0	3.1	41	2	0	5	41	0	34
102+00	50	23.5	1.3	0.0	3.1	44	2	0	6	85	0	69
102+50	50	24.1	1.3	0.0	3.1	45	2	0	6	129	0	106
103+00	50	22.6	1.3	0.0	3.0	42	2	0	5	171	0	140
103+50	50	23.9	1.3	0.0	3.1	44	2	0	6	215	0	176
104+00	50	24.2	1.3	0.0	3.2	45	2	0	6	260	0	213
104+50	50	9.7	1.3	0.0	1.3	18	2	0	2	278	0	226
104+86	36	9.3	1.3	0.0	1.2	12	2	0	2	291	0	235
WESTERN CROSSOVER	---	---	---	0.0	0.0	176	11	0	26	466	0	377
EASTERN CROSSOVERS	---	---	---	0.0	0.0	351	18	0	53	818	0	664
				COLUMN TOTALS		818	47	0	117			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 15% 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

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		62.0	18.0	2.3	8.1	0	0	0	0	0	0	0
76+00	52	57.5	18.0	3.1	7.5	111	35	6	14	111	7	54
76+50	50	61.4	18.0	2.3	8.0	114	33	4	15	224	13	115
77+00	50	64.6	18.0	2.3	8.4	120	33	4	16	344	18	180
77+50	50	83.0	27.0	0.0	10.8	154	50	0	20	498	18	264
77+56	6	82.4	27.0	0.0	10.7	18	6	0	2	516	18	274
78+00	44	64.0	20.3	2.3	8.3	104	33	4	14	620	22	327
78+39	39	57.2	19.9	2.3	7.5	83	29	3	11	703	26	366
78+50	11	57.7	19.9	2.3	7.5	24	8	1	3	727	28	377
79+00	50	56.4	19.9	2.3	7.4	104	37	4	14	831	33	426
79+11	11	55.8	19.9	2.4	7.3	23	8	1	3	854	34	436
79+50	39	55.9	19.9	2.4	7.3	81	29	3	11	934	38	473
79+71	21	54.7	19.9	2.4	7.1	43	15	2	6	977	41	493
80+00	29	53.8	19.9	2.5	7.0	58	21	3	8	1,035	44	518
80+50	50	55.1	19.9	2.5	7.2	102	37	5	13	1,137	50	564
80+67	17	55.6	19.9	2.6	7.2	35	13	2	5	1,172	52	580
81+00	33	55.2	19.9	2.4	7.2	67	24	3	9	1,239	56	611
81+50	50	53.3	18.2	2.4	7.0	99	34	4	13	1,338	61	657
82+00	50	53.4	18.2	2.4	7.0	99	34	5	13	1,437	67	704
82+50	50	56.3	18.2	2.3	7.3	104	34	4	14	1,541	72	756
82+82	32	55.6	18.2	2.3	7.3	66	22	3	9	1,607	75	788
83+00	18	55.6	18.2	2.3	7.3	37	12	2	5	1,644	77	807
83+50	50	56.2	18.2	2.3	7.3	104	34	4	14	1,748	82	858
83+93	43	57.5	18.2	2.3	7.5	92	29	4	12	1,840	87	904
84+00	7	57.6	18.2	2.3	7.5	15	5	1	2	1,855	88	912
84+11	11	57.5	18.2	2.3	7.5	23	7	1	3	1,878	89	924
84+50	39	56.9	18.2	2.3	7.4	82	26	3	11	1,960	93	965
85+00	50	55.0	18.2	2.3	7.2	102	34	4	13	2,062	98	1,015
85+50	50	57.8	18.2	2.3	7.5	107	34	4	14	2,169	103	1,069
85+92	42	58.5	18.2	2.3	7.6	91	28	4	12	2,260	108	1,115
86+00	8	58.6	18.2	2.3	7.6	17	5	1	2	2,277	108	1,124
86+50	50	53.1	19.1	2.3	6.9	98	35	4	13	2,376	114	1,169
86+64	14	53.0	19.1	2.6	6.9	27	10	1	4	2,403	115	1,181
87+00	36	50.6	19.0	2.6	6.6	68	25	3	9	2,471	120	1,210
87+50	50	53.8	16.9	2.4	7.0	100	31	4	13	2,570	125	1,260
88+00	50	44.0	18.8	0.0	5.7	82	35	0	11	2,652	125	1,296
88+16	16	43.0	18.8	0.0	5.6	25	11	0	3	2,677	125	1,308
88+50	34	45.5	18.8	0.0	5.9	57	24	0	7	2,735	125	1,334
88+75	25	45.6	18.8	0.0	5.9	42	17	0	5	2,776	125	1,353
88+77	3	45.9	18.8	0.0	6.0	5	2	0	1	2,781	125	1,355

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	44.4	18.8	0.0	5.8	38	16	0	5	2,819	125	1,372
89+50	50	44.9	18.5	0.0	5.9	83	34	0	11	2,902	125	1,410
90+00	50	57.5	19.5	2.3	7.5	106	36	4	14	3,008	130	1,461
90+50	50	52.1	21.5	2.3	6.8	96	40	4	13	3,105	136	1,500
91+00	50	58.8	22.1	4.6	7.7	109	41	9	14	3,213	146	1,543
91+50	50	71.2	26.9	4.5	9.3	132	50	8	17	3,345	157	1,597
92+00	50	74.5	27.8	4.5	9.7	138	51	8	18	3,483	167	1,655
92+50	50	76.7	26.8	4.6	10.0	142	50	9	19	3,625	178	1,718
93+00	50	61.5	22.1	4.5	8.0	114	41	8	15	3,739	188	1,766
93+50	50	61.6	20.0	6.8	8.0	114	37	13	15	3,853	204	1,812
94+00	50	66.4	20.2	7.5	8.7	123	37	14	16	3,976	221	1,865
94+50	50	57.4	20.3	0.0	7.5	106	38	0	14	4,082	221	1,920
95+00	50	53.2	26.4	0.0	6.9	99	49	0	13	4,181	221	1,956
95+50	50	45.9	26.4	2.3	6.0	85	49	4	11	4,266	227	1,976
FORDEM AVE.	---	---	---	0.0	0.0	646	118	0	97	4,912	227	2,420
96+00	50	49.2	23.3	4.5	6.4	91	43	8	12	5,003	237	2,446
96+50	50	82.9	23.3	9.3	10.8	154	43	17	20	5,157	259	2,514
97+00	50	85.9	23.6	7.1	11.2	159	44	13	21	5,316	275	2,592
97+50	50	80.9	27.4	5.1	10.6	150	51	9	20	5,465	287	2,660
98+00	50	130.4	25.2	0.0	17.0	241	47	0	31	5,707	287	2,823
98+50	50	84.8	27.6	4.5	11.1	157	51	8	20	5,864	297	2,899
98+78	28	83.7	27.6	4.5	10.9	87	29	5	11	5,951	303	2,940
99+00	22	80.9	28.1	4.5	10.5	66	23	4	9	6,017	308	2,969
99+50	50	118.3	30.2	2.3	15.4	219	56	4	29	6,236	313	3,099
100+00	50	158.1	40.4	2.3	20.6	293	75	4	38	6,529	318	3,274
100+25	25	167.9	41.3	2.3	21.9	155	38	2	20	6,684	321	3,368
100+50	25	176.3	42.0	2.3	23.0	163	39	2	21	6,848	323	3,469
101+03	53	38.2	12.0	6.5	5.0	75	24	13	10	6,923	339	3,494
				COLUMN TOTALS		6,923	2,185	271	916			

NOTES:

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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 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		129.4	0.0	0.0	16.9	0	0	0	0	0	0	0
11+00	27	129.4	0.0	0.0	16.9	129	0	0	17	129	0	113
11+12	12	172.7	0.0	0.0	22.5	67	0	0	9	196	0	171
11+27	15	194.1	0.0	0.0	25.3	102	0	0	13	298	0	259
11+50	23	208.4	0.0	0.0	27.2	172	0	0	22	470	0	409
12+00	50	147.0	2.2	0.0	19.2	329	2	0	43	799	0	693
12+50	50	116.3	4.6	0.0	15.2	244	6	0	32	1,043	0	899
12+78	28	118.7	4.8	0.0	15.5	122	5	0	16	1,165	0	1,000
13+00	22	98.7	4.8	0.0	12.9	89	4	0	12	1,253	0	1,073
13+50	50	89.0	4.8	0.0	11.6	174	9	0	23	1,427	0	1,215
13+65	15	91.7	4.8	0.0	12.0	50	3	0	7	1,477	0	1,256
13+83	18	112.0	4.8	0.0	14.6	68	3	0	9	1,545	0	1,312
14+00	17	96.9	5.0	0.0	12.6	66	3	0	9	1,611	0	1,366
14+37	37	99.0	7.8	0.0	12.9	134	9	0	18	1,745	0	1,474
14+50	13	77.8	9.5	0.0	10.2	43	4	0	6	1,788	0	1,507
15+00	50	77.2	15.0	0.0	10.1	144	23	0	19	1,931	0	1,609
15+50	50	59.8	20.3	0.0	7.8	127	33	0	17	2,058	0	1,686
16+00	50	53.2	23.3	0.2	6.9	117	36	0	15	2,176	0	1,752
16+07	7	53.2	23.3	0.2	6.9	14	6	0	2	2,190	0	1,759
				COLUMN TOTALS		2,190	145	0	286			

NOTES:

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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		66.8	18.3	2.3	8.7	0	0	0	0	0	0	0
77+56	11	68.0	18.3	2.3	8.9	28	7	1	4	28	1	15
78+00	44	59.9	20.5	4.8	7.8	98	33	8	13	125	11	57
78+39	39	59.1	20.0	4.5	7.7	85	29	7	11	211	19	95
78+50	11	49.3	19.9	7.0	6.4	20	8	3	3	231	23	100
79+00	50	39.3	19.9	7.7	5.1	73	37	14	9	303	40	109
79+11	11	42.7	19.9	4.5	5.6	17	8	2	2	321	43	114
79+50	39	39.9	19.9	4.5	5.2	58	29	7	8	379	51	127
79+71	21	40.7	19.9	4.5	5.3	32	15	4	4	410	55	135
80+00	29	37.6	19.9	7.7	4.9	40	21	8	5	451	65	138
80+50	50	34.6	19.9	7.7	4.5	64	37	14	8	515	83	139
80+67	17	40.2	19.9	4.5	5.2	25	13	3	3	540	87	145
81+00	33	36.6	19.9	7.3	4.8	45	24	9	6	585	98	149
81+50	50	33.9	19.9	0.0	4.4	63	37	0	8	647	98	167
DICKINSON ST.	---	---	---	0.0	0.0	163	36	0	24	811	98	273
82+00	50	42.7	18.0	3.9	5.6	79	33	7	10	890	107	300
82+50	50	49.4	18.0	3.2	6.4	92	33	6	12	981	114	339
82+82	32	59.3	18.0	2.3	7.7	70	21	3	9	1,052	117	375
83+00	18	56.3	18.0	2.3	7.3	38	12	2	5	1,089	119	394
83+50	50	57.0	18.0	2.3	7.4	106	33	4	14	1,195	124	447
83+93	43	60.2	18.0	2.3	7.9	96	29	4	13	1,291	129	497
84+00	7	54.0	18.0	3.1	7.0	14	5	1	2	1,305	130	504
84+11	11	60.2	18.0	2.3	7.9	25	7	1	3	1,329	131	517
84+50	39	56.5	18.0	2.3	7.4	82	26	3	11	1,411	135	558
85+00	50	56.9	18.0	2.3	7.4	105	33	4	14	1,516	140	611
85+50	50	58.3	18.0	2.3	7.6	108	33	4	14	1,624	145	666
85+92	42	62.4	18.0	2.3	8.1	97	28	4	13	1,721	150	718
86+00	8	55.4	18.0	2.8	7.2	16	5	1	2	1,738	151	726
86+50	50	60.8	19.3	2.3	7.9	113	36	4	15	1,850	156	783
86+64	14	69.0	21.8	2.3	9.0	36	11	1	5	1,886	158	801
87+00	36	64.3	21.8	2.3	8.4	86	29	3	11	1,972	161	843
87+50	50	58.4	21.8	2.3	7.6	108	40	4	14	2,080	167	892
88+00	50	52.2	20.3	0.2	6.8	97	38	0	13	2,177	167	938
88+16	16	48.0	20.3	0.2	6.3	28	12	0	4	2,205	167	950
88+50	34	53.7	20.3	0.0	7.0	68	26	0	9	2,273	167	984
88+75	25	57.2	20.3	0.0	7.5	53	19	0	7	2,325	167	1,011
88+77	3	57.3	20.3	0.0	7.5	6	2	0	1	2,331	167	1,014
89+00	23	55.9	20.3	0.0	7.3	47	17	0	6	2,377	167	1,037
89+50	50	58.0	20.3	0.0	7.6	107	38	0	14	2,485	167	1,093
90+00	50	68.5	21.0	3.4	8.9	127	39	6	17	2,612	175	1,157

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	64.6	21.0	5.7	8.4	120	39	10	16	2,731	188	1,209
91+00	50	82.3	20.5	9.1	10.7	152	38	17	20	2,884	209	1,282
91+50	50	103.2	20.3	5.2	13.5	191	38	10	25	3,075	221	1,399
92+00	50	121.5	20.3	5.5	15.8	225	38	10	29	3,300	234	1,545
92+50	50	150.4	21.5	4.5	19.6	278	40	8	36	3,578	244	1,736
93+00	50	163.5	25.5	4.6	21.3	303	47	9	39	3,881	255	1,942
93+50	50	154.3	27.4	4.5	20.1	286	51	8	37	4,167	265	2,129
94+00	50	126.0	27.3	4.5	16.4	233	51	8	30	4,400	276	2,271
94+50	50	123.7	27.8	4.5	16.1	229	51	8	30	4,629	286	2,409
95+00	50	90.3	28.5	4.5	11.8	167	53	8	22	4,796	297	2,491
95+50	50	76.9	23.3	34.9	10.0	142	43	65	19	4,939	377	2,491
96+00	50	67.8	22.1	20.6	8.8	126	41	38	16	5,064	425	2,511
96+50	50	79.2	25.8	7.5	10.3	147	48	14	19	5,211	442	2,574
97+00	50	84.0	30.3	18.6	11.0	156	56	35	20	5,367	485	2,610
97+50	50	111.0	41.1	13.1	14.5	205	76	24	27	5,572	516	2,682
98+00	50	149.2	37.5	2.5	19.5	276	69	5	36	5,849	522	2,847
98+50	50	156.9	31.1	7.5	20.5	290	58	14	38	6,139	539	3,025
98+78	28	173.9	29.5	11.8	22.7	180	31	12	24	6,319	554	3,135
99+00	22	172.7	29.0	10.1	22.5	141	24	8	18	6,460	565	3,224
99+50	50	175.1	29.0	5.7	22.8	324	54	10	42	6,784	578	3,439
100+00	50	174.1	41.3	0.0	22.7	322	76	0	42	7,107	578	3,643
100+25	25	175.2	39.0	0.0	22.9	162	36	0	21	7,269	578	3,748
100+50	25	181.6	39.0	0.0	23.7	168	36	0	22	7,437	578	3,858
101+00	50	8.2	7.1	0.0	1.1	15	13	0	2	7,452	578	3,858
101+50	50	1.7	3.5	0.0	0.2	3	6	0	0	7,456	578	3,855
				COLUMN TOTALS		7,456	2,051	462	976			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 15% 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 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		98.3	42.0	0.0	12.8	0	0	0	0	0	0	0
11+00	27	98.3	42.0	0.0	12.8	98	42	0	13	98	0	43
11+12	12	104.4	42.0	0.0	13.6	45	19	0	6	143	0	64
11+27	15	24.7	42.0	0.0	3.2	36	23	0	5	179	0	72
11+50	23	22.1	18.3	0.0	2.9	20	26	0	3	199	0	63
12+00	50	19.1	18.3	0.0	2.5	38	34	0	5	237	0	63
12+50	50	19.0	18.3	0.0	2.5	35	34	0	5	272	0	59
12+78	28	18.4	18.3	0.0	2.4	19	19	0	3	292	0	57
13+00	22	18.3	18.3	0.0	2.4	15	15	0	2	307	0	55
13+50	50	18.8	18.3	0.0	2.5	34	34	0	4	341	0	51
13+65	15	19.4	18.3	0.0	2.5	11	10	0	1	352	0	50
13+83	18	19.7	18.3	0.0	2.6	13	12	0	2	365	0	49
14+00	17	20.6	18.3	0.0	2.7	13	12	0	2	378	0	49
14+37	37	20.3	16.2	0.0	2.6	28	24	0	4	406	0	50
14+50	13	20.9	16.2	0.0	2.7	10	8	0	1	415	0	51
15+00	50	23.3	14.5	0.0	3.0	41	28	0	5	456	0	58
15+50	50	11.8	12.8	5.4	1.5	33	25	5	4	489	6	54
16+00	50	7.1	1.7	0.0	0.9	18	13	5	2	506	13	50
16+07	7	7.1	1.7	0.0	0.9	2	0	0	0	508	13	55
				COLUMN TOTALS		508	378	10	66			

NOTES:

1) CUT: CUT INCLUDES EBS AND SALVAGED PAVEMENT MATERIAL. EBS = 15% 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 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		27.9	0.0	0.0	3.6	0	0	0	0	0	0	0
77+56	6	27.9	0.0	0.0	3.6	6	0	0	1	6	0	5
78+00	44	22.4	0.0	0.1	2.9	37	0	0	5	43	0	37
78+39	39	15.4	0.0	0.6	2.0	22	0	1	3	65	1	55
78+50	11	21.0	0.0	0.0	2.7	9	0	0	1	74	1	63
79+00	50	18.5	0.0	0.0	2.4	34	0	0	4	108	1	93
79+11	11	15.7	0.0	0.2	2.0	6	0	0	1	114	1	98
79+50	39	14.7	0.0	0.1	1.9	21	0	0	3	135	2	116
79+71	21	13.3	0.0	2.6	1.7	10	0	2	1	146	4	123
80+00	29	15.4	0.0	0.1	2.0	17	0	0	2	162	4	137
80+50	50	21.8	0.0	0.0	2.8	40	0	0	5	203	4	172
80+67	17	20.2	0.0	0.0	2.6	13	0	0	2	216	4	183
81+00	33	20.9	0.0	0.0	2.7	26	0	0	3	241	4	206
81+50	50	18.7	0.0	0.0	2.4	35	0	0	5	276	4	236
82+00	50	19.1	0.0	0.0	2.5	35	0	0	5	311	4	266
82+50	50	19.4	0.0	0.0	2.5	36	0	0	5	347	4	298
82+82	32	18.8	0.0	0.0	2.5	22	0	0	3	369	4	317
83+00	18	19.1	0.0	0.0	2.5	13	0	0	2	382	4	328
83+50	50	19.5	0.0	0.0	2.5	36	0	0	5	418	4	359
83+93	43	19.9	0.0	0.0	2.6	32	0	0	4	450	4	387
84+00	7	19.9	0.0	0.0	2.6	5	0	0	1	455	4	391
84+11	11	19.6	0.0	0.0	2.6	8	0	0	1	463	4	398
84+50	39	19.1	0.0	0.0	2.5	28	0	0	4	491	4	422
85+00	50	19.3	0.0	0.0	2.5	36	0	0	5	526	4	453
85+50	50	20.4	0.0	0.0	2.7	38	0	0	5	564	4	486
85+92	42	19.8	0.0	0.0	2.6	31	0	0	4	595	4	513
86+00	8	19.9	0.0	0.0	2.6	6	0	0	1	601	4	518
86+50	50	20.0	0.0	0.0	2.6	37	0	0	5	638	4	550
86+64	14	20.2	0.0	0.0	2.6	10	0	0	1	648	4	560
87+00	36	19.4	0.0	0.0	2.5	26	0	0	3	674	4	582
87+50	50	9.7	0.0	0.0	1.3	18	0	0	2	692	4	598
88+00	50	2.0	0.0	0.0	0.3	4	0	0	0	696	4	601
88+16	16	2.0	0.0	0.0	0.3	1	0	0	0	697	4	602
88+50	34	2.2	0.0	0.0	0.3	3	0	0	0	700	4	604
88+75	25	2.2	0.0	0.0	0.3	2	0	0	0	702	4	606
88+77	3	2.2	0.0	0.0	0.3	0	0	0	0	702	4	606
89+00	23	2.2	0.0	0.0	0.3	2	0	0	0	704	4	608
89+50	50	2.3	0.0	0.0	0.3	4	0	0	1	708	4	611
90+00	50	4.0	0.0	0.0	0.5	7	0	0	1	715	4	618
90+50	50	10.6	0.0	0.0	1.4	20	0	0	3	735	4	635

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		19.0	0.0	0.0	2.5	0	0	0	0	735	4	635
101+50	50	19.2	0.0	0.9	2.5	36	0	2	5	771	6	664
102+00	50	10.4	0.0	0.3	1.4	19	0	1	3	790	7	680
102+50	50	10.6	0.0	0.4	1.4	20	0	1	3	810	8	696
103+00	50	9.6	0.0	0.9	1.3	18	0	2	2	827	10	710
103+50	50	10.1	0.0	0.6	1.3	19	0	1	2	846	11	724
104+00	50	9.9	0.0	0.7	1.3	18	0	1	2	864	13	739
104+50	50	8.7	0.0	3.5	1.1	16	0	6	2	880	21	745
				COLUMN TOTALS		880	0	17	115			

NOTES:

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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		19.3	5.0	0.0	2.5	0	0	0	0	0	0	0
11+12	29	19.3	5.0	0.0	2.5	21	5	0	3	21	0	13
11+27	15	14.0	5.0	0.0	1.8	9	3	0	1	30	0	18
11+50	23	8.8	5.0	0.0	1.1	10	4	0	1	40	0	22
12+00	50	2.4	5.0	0.0	0.3	10	9	0	1	50	0	22
12+50	50	0.2	5.0	0.0	0.0	2	9	0	0	52	0	15
				COLUMN TOTALS		52	31	0	7			

NOTES:

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3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

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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		12.4	0.0	0.0	1.6	0	0	0	0	0	0	0
10+50	16	7.2	0.0	0.0	0.9	6	0	0	1	6	0	5
10+75	25	0.0	0.0	3.5	0.0	3	0	2	0	9	2	6
10+86	11	0.0	0.0	5.6	0.0	0	0	2	0	9	4	4
11+00	14	0.0	0.0	3.1	0.0	0	0	2	0	9	7	1
11+19	19	8.1	0.0	0.3	1.1	3	0	1	0	12	9	2
11+25	6	10.4	0.0	0.1	1.4	2	0	0	0	14	9	3
THORNTON AVE.	---	---	---	0.0	0.0	171	0	0	26	185	0	152
11+50	25	15.0	0.0	0.0	2.0	12	0	0	1	197	9	162
11+74	24	13.8	0.0	0.0	1.8	13	0	0	2	209	9	173
				COLUMN TOTALS		209	0	7	30			

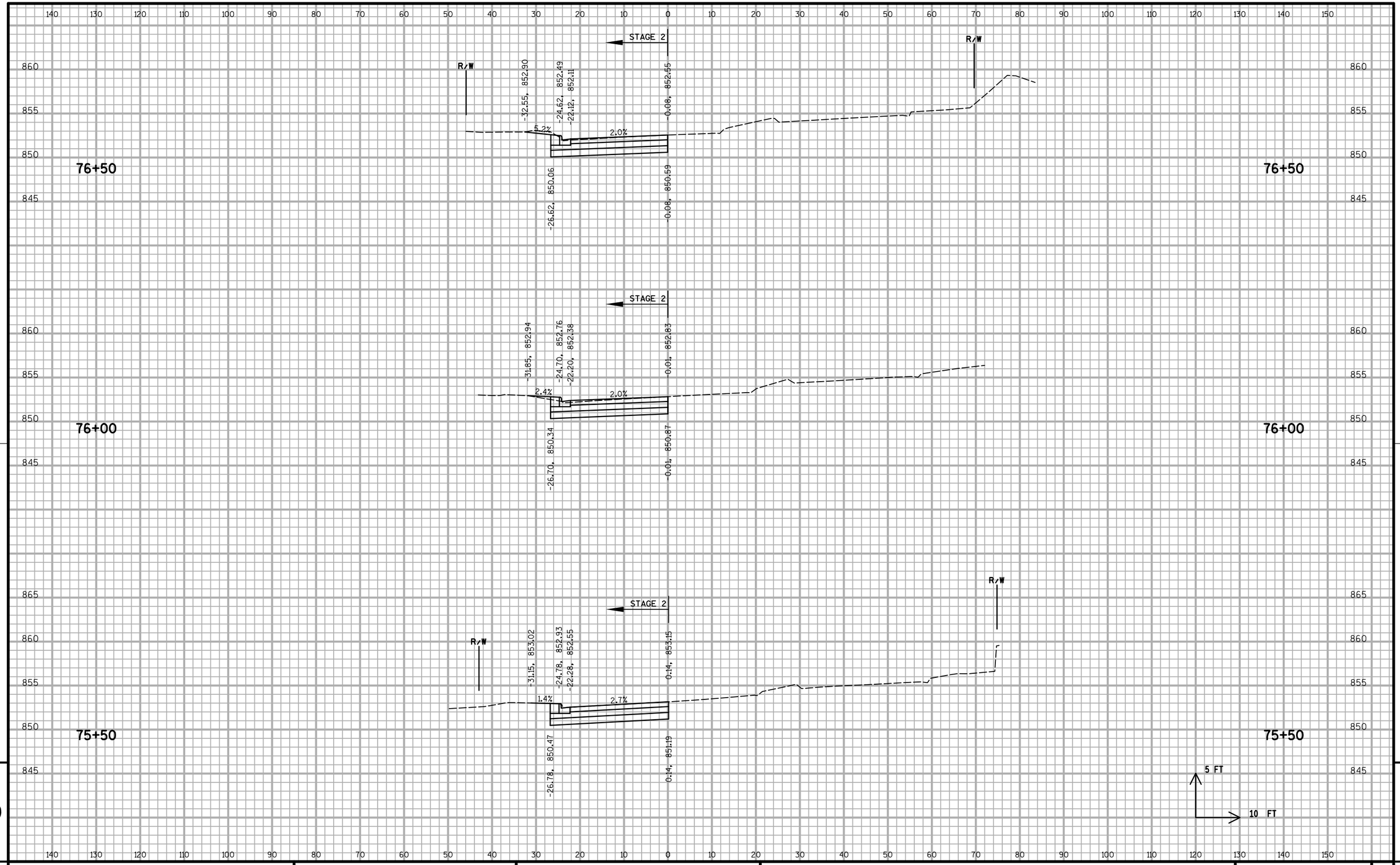
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3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

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	4.3	0.0	21.6	0.6	1	0	6	0	1	10	-9
11+00	12	1.1	0.0	33.7	0.1	1	0	12	0	2	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	0.0	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	2.2	0.0	68.7	0.3	0	0	17	0	4	170	-166
11+75	25	6.6	0.0	0.1	0.9	4	0	32	1	8	209	-203
11+80	5	10.4	0.0	0.0	1.4	2	0	0	0	9	209	-201
				COLUMN TOTALS		9	0	167	1			

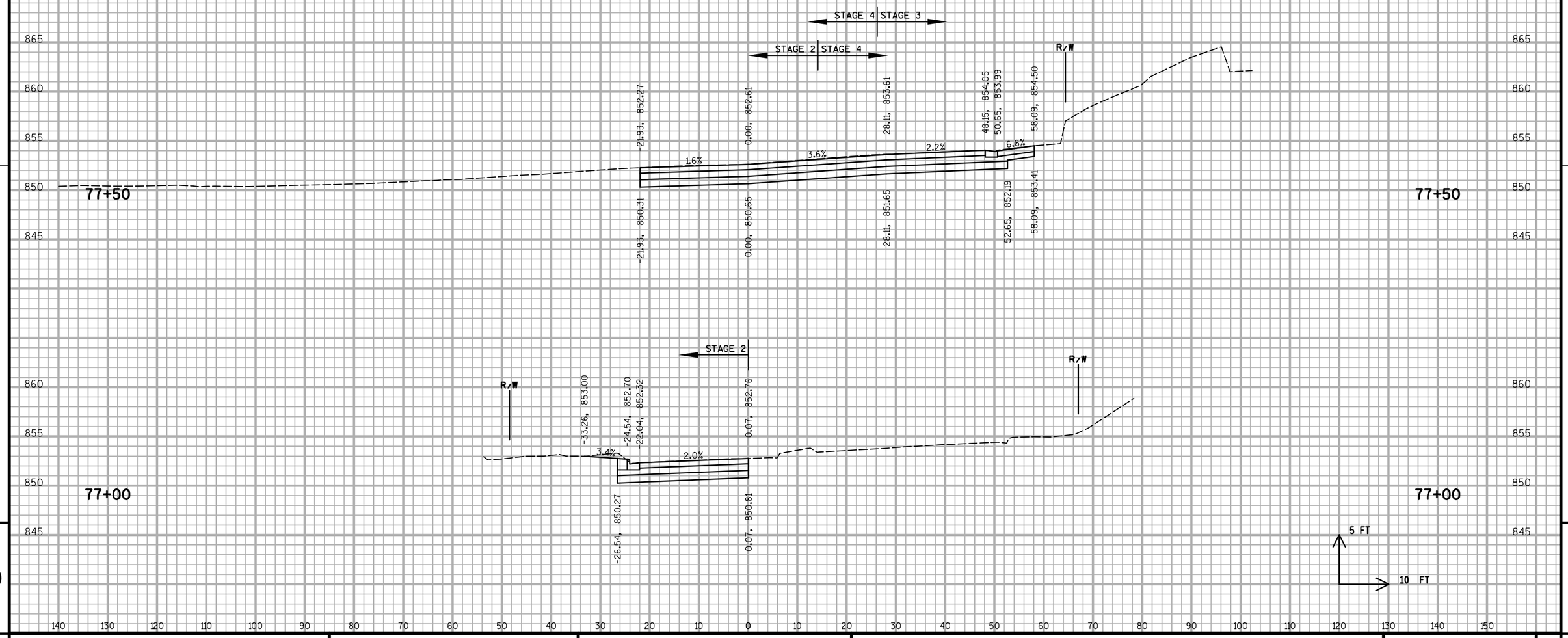
NOTES:

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

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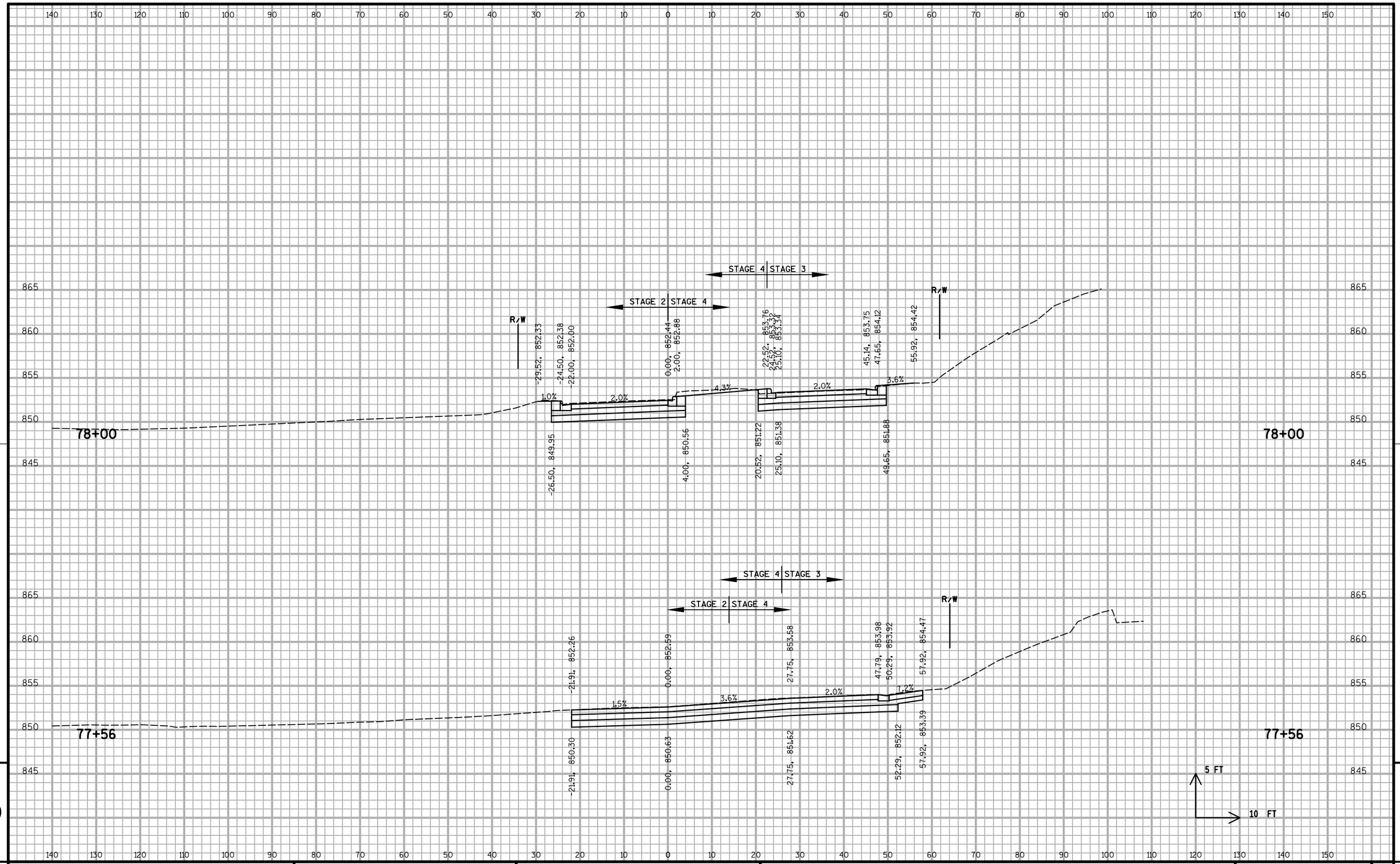


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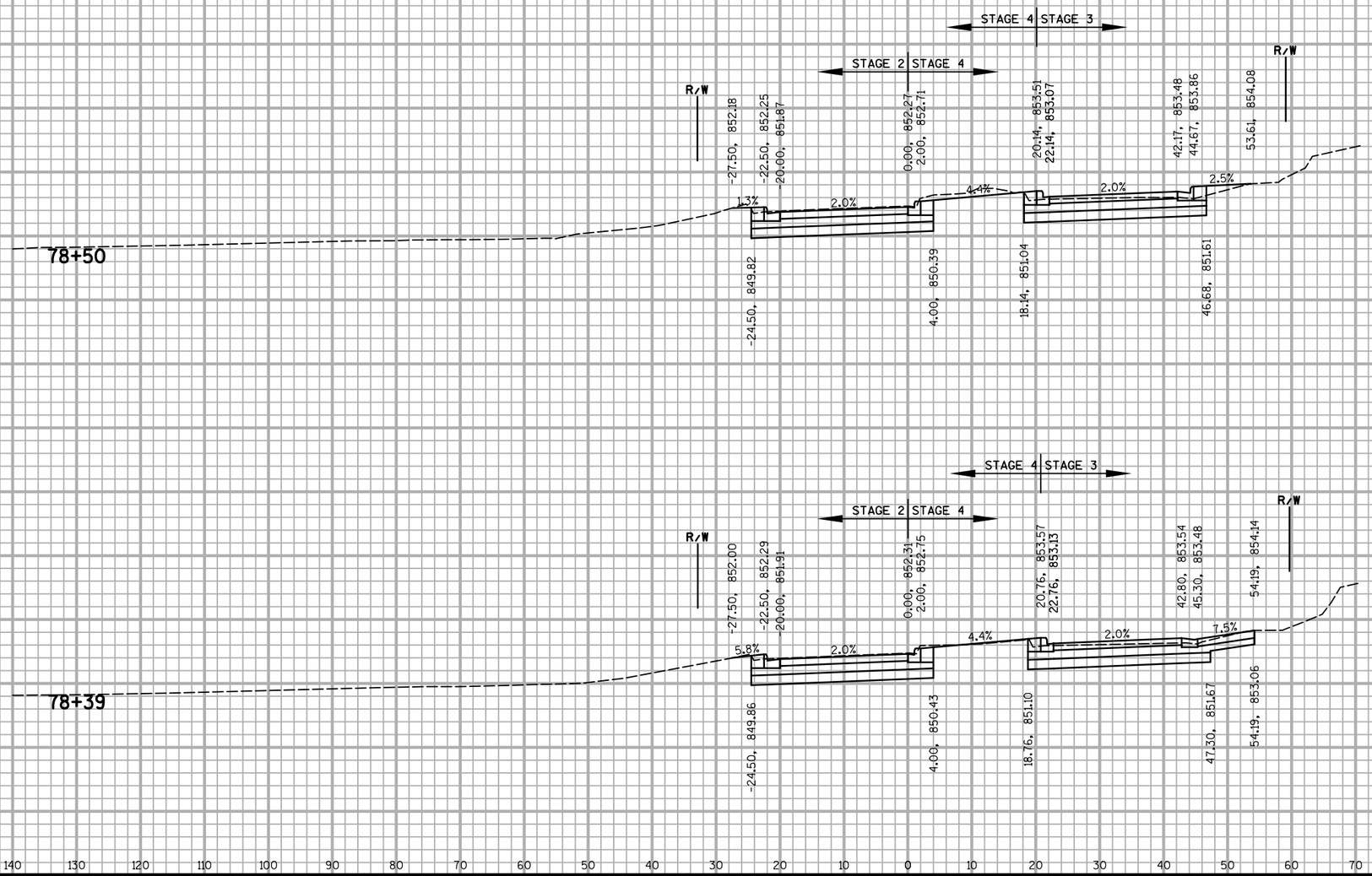
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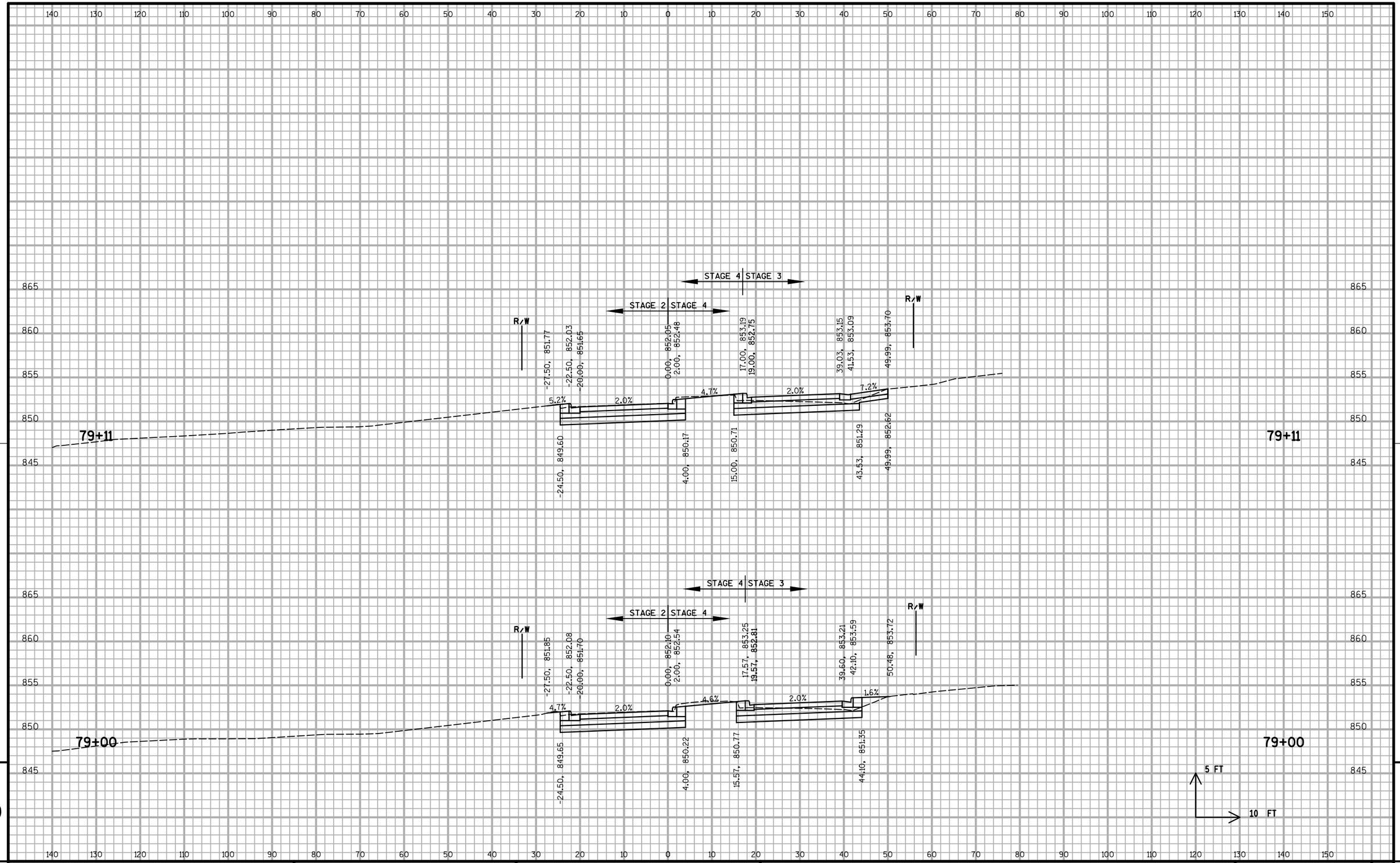


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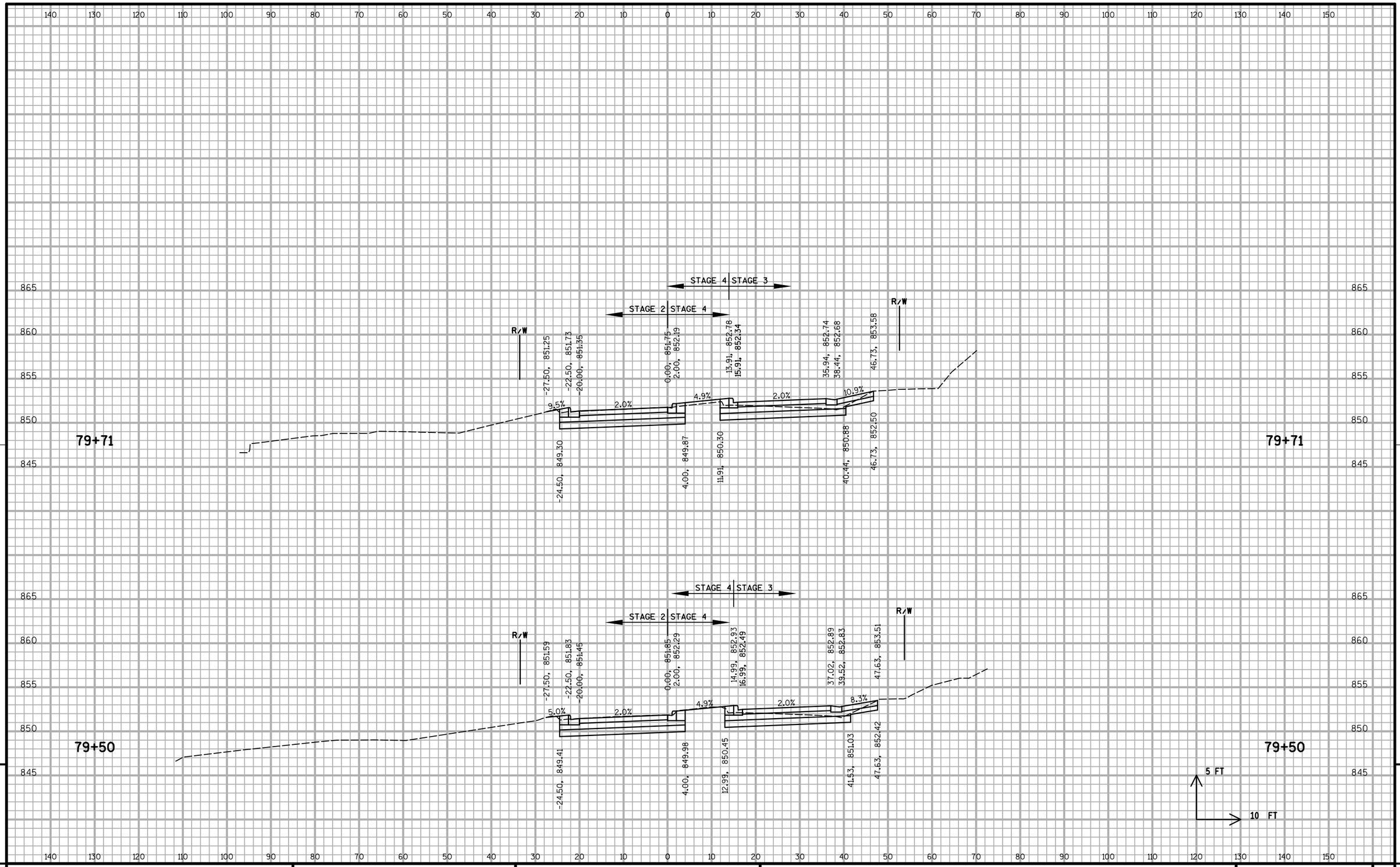
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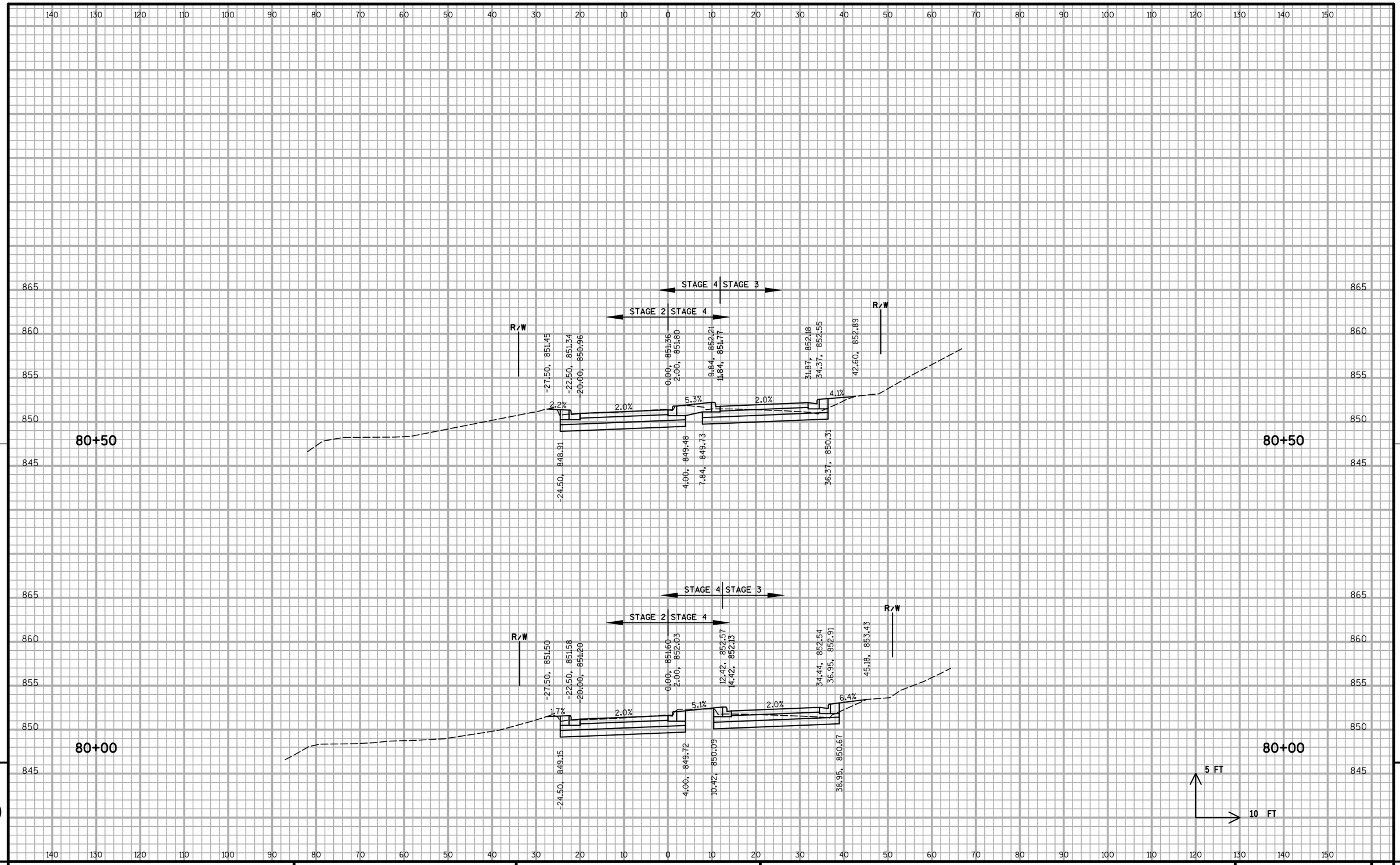


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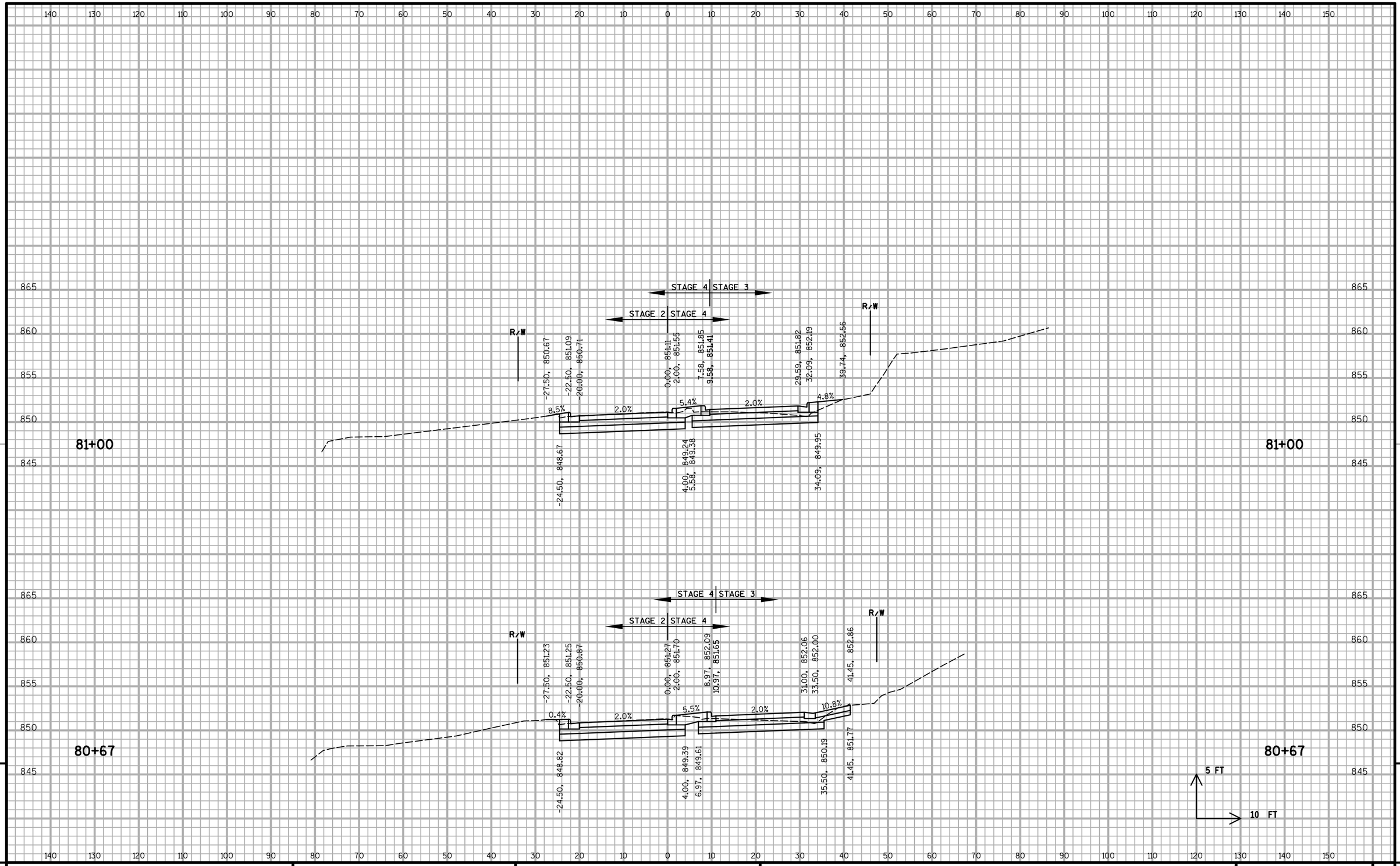
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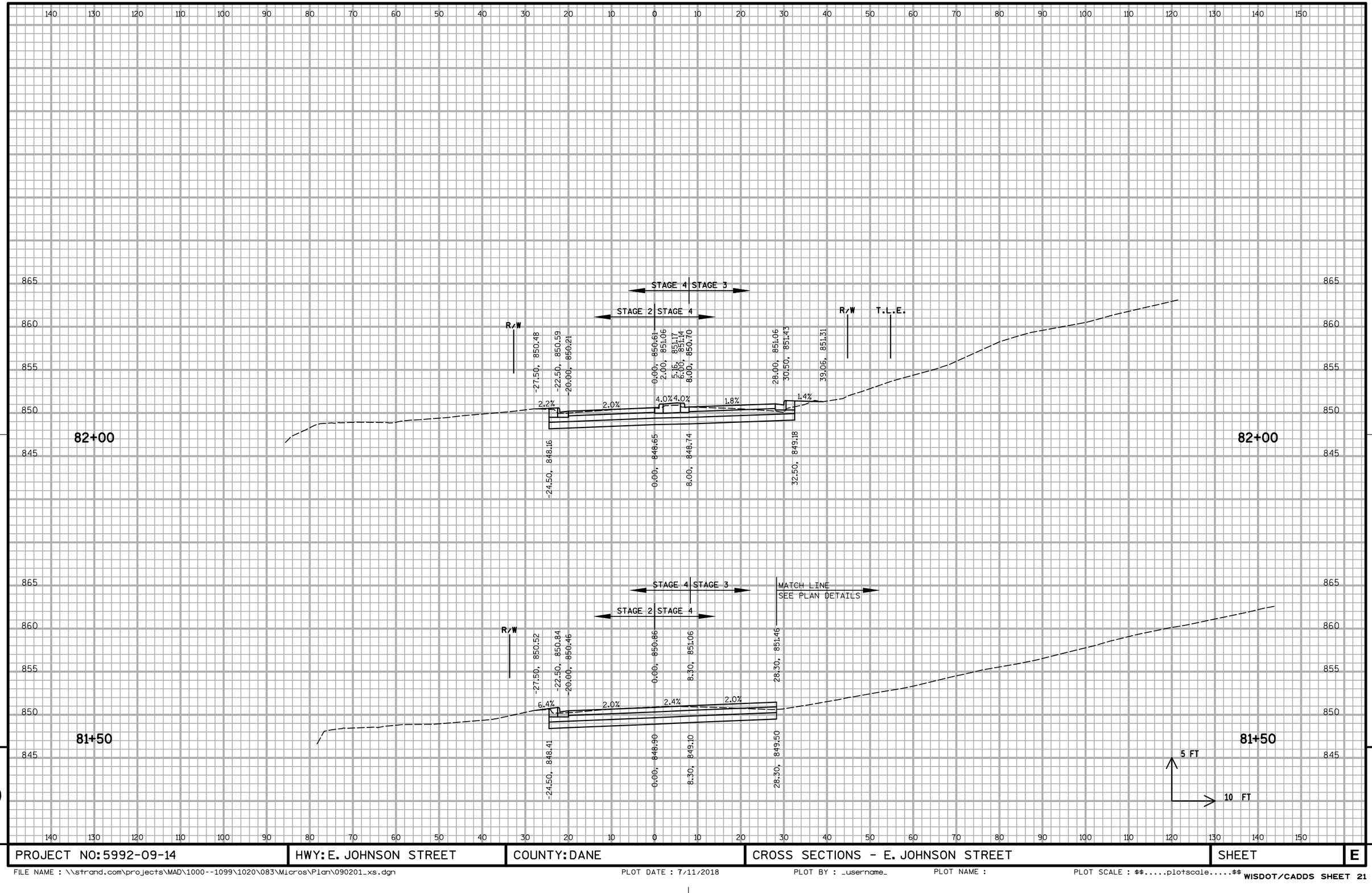
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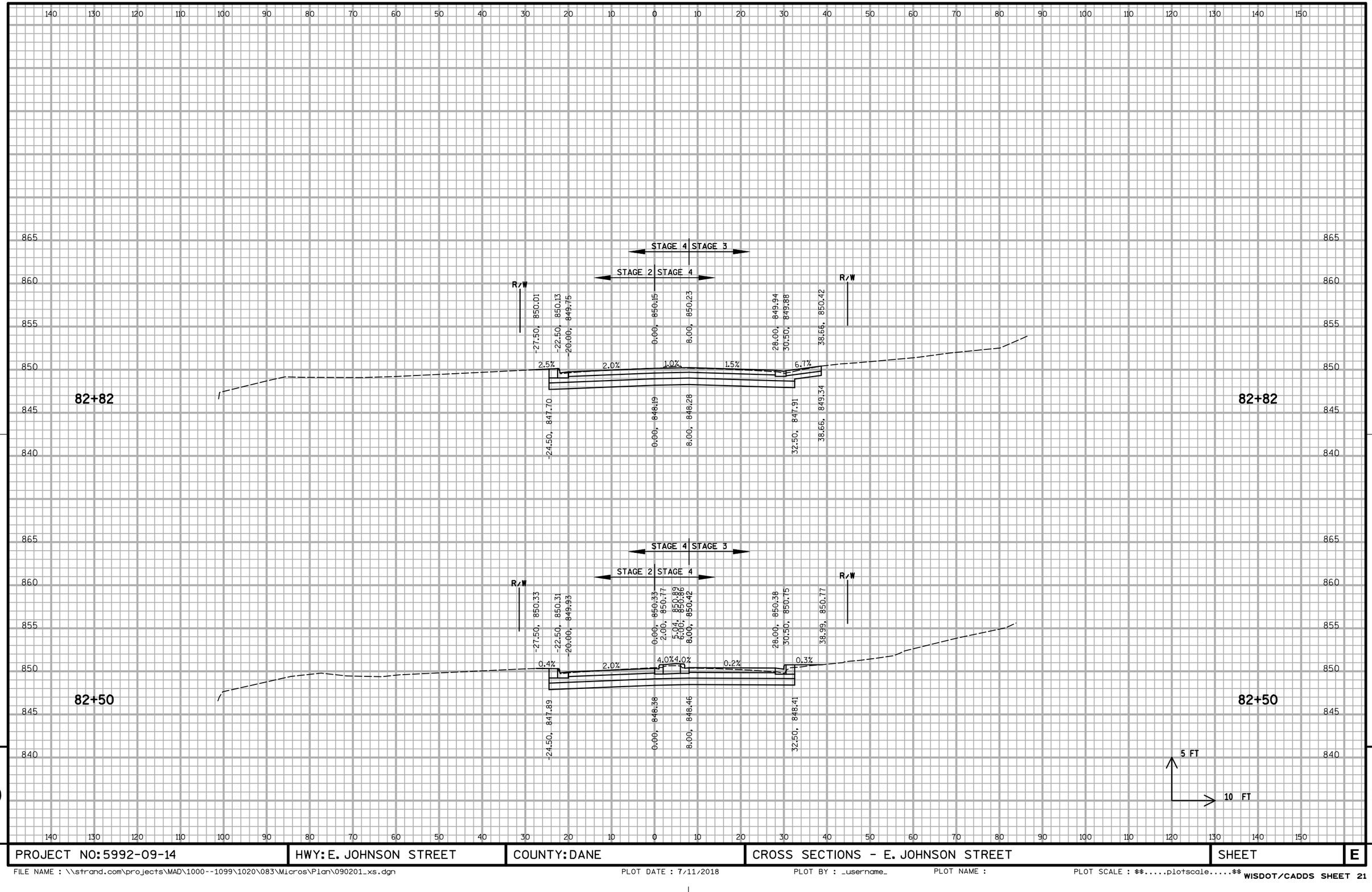
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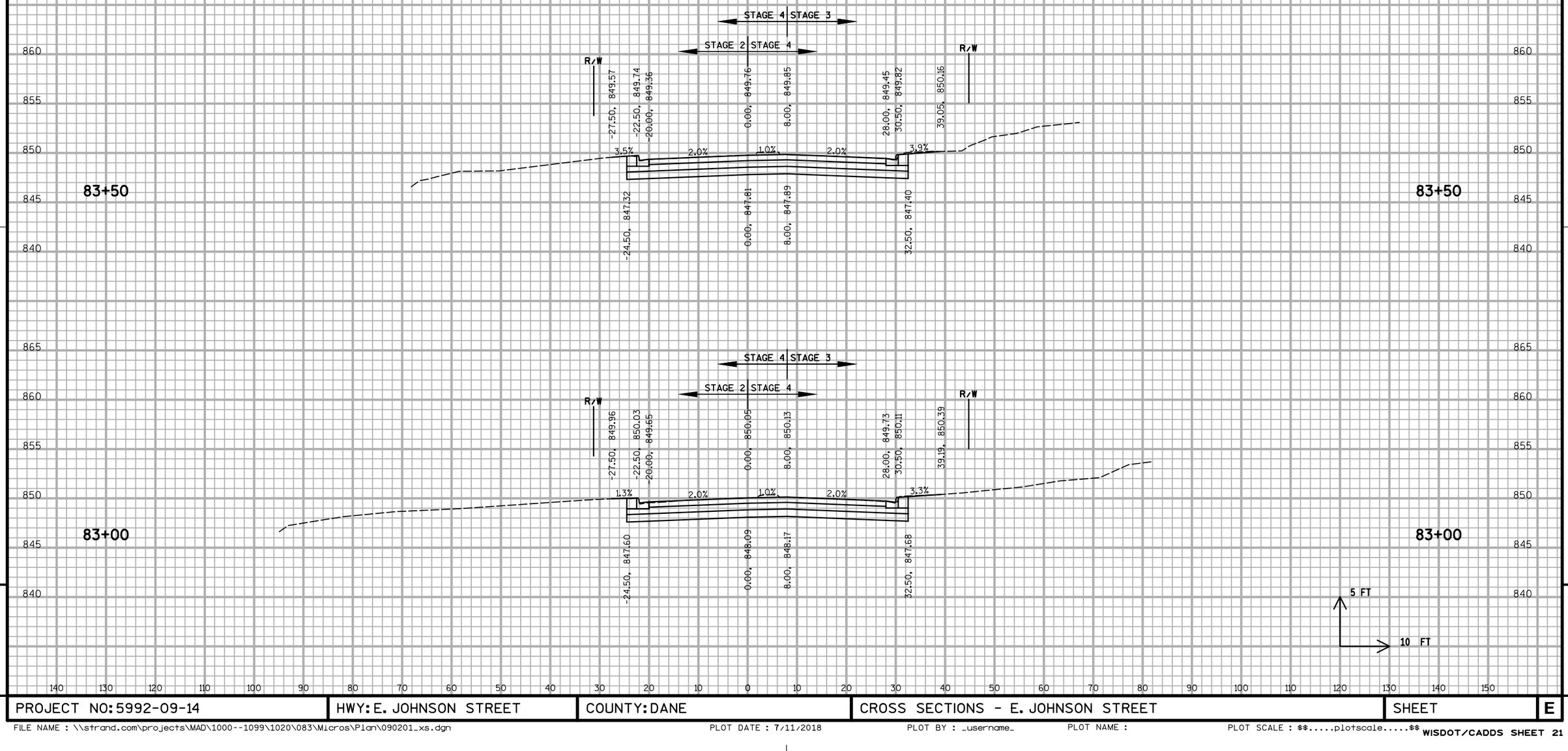


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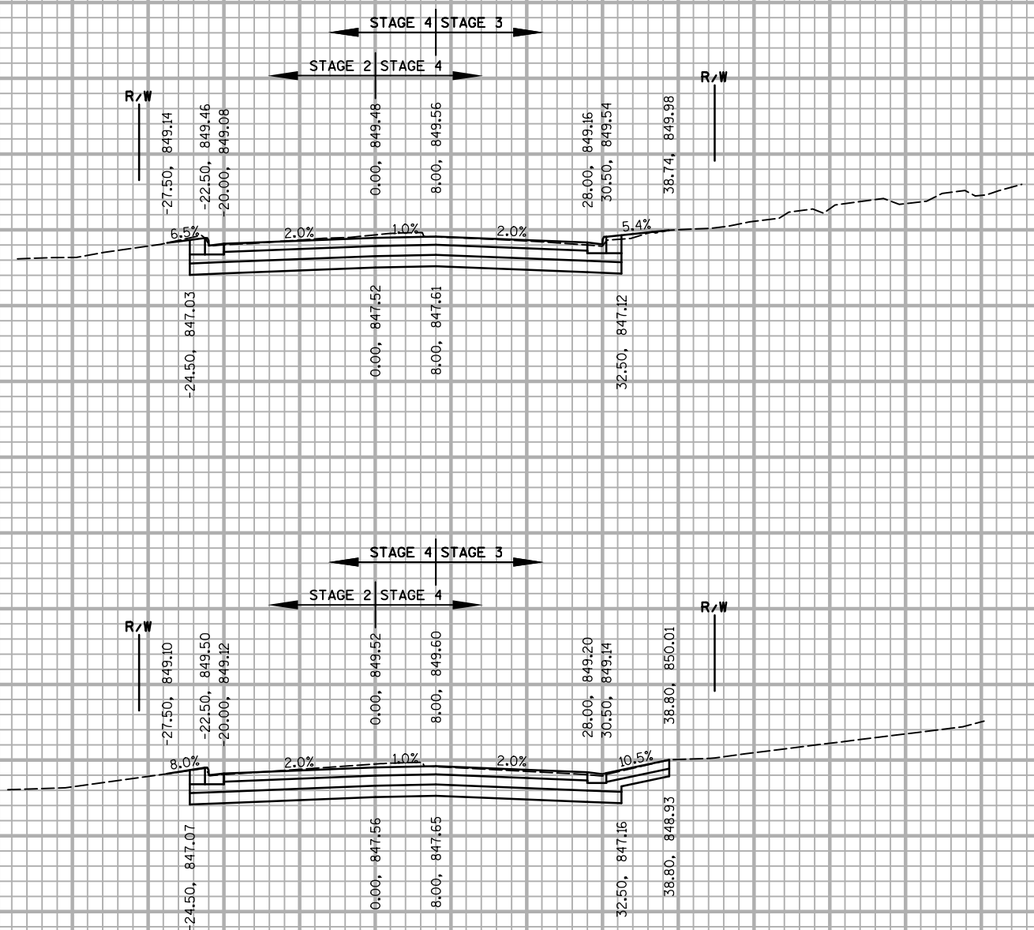
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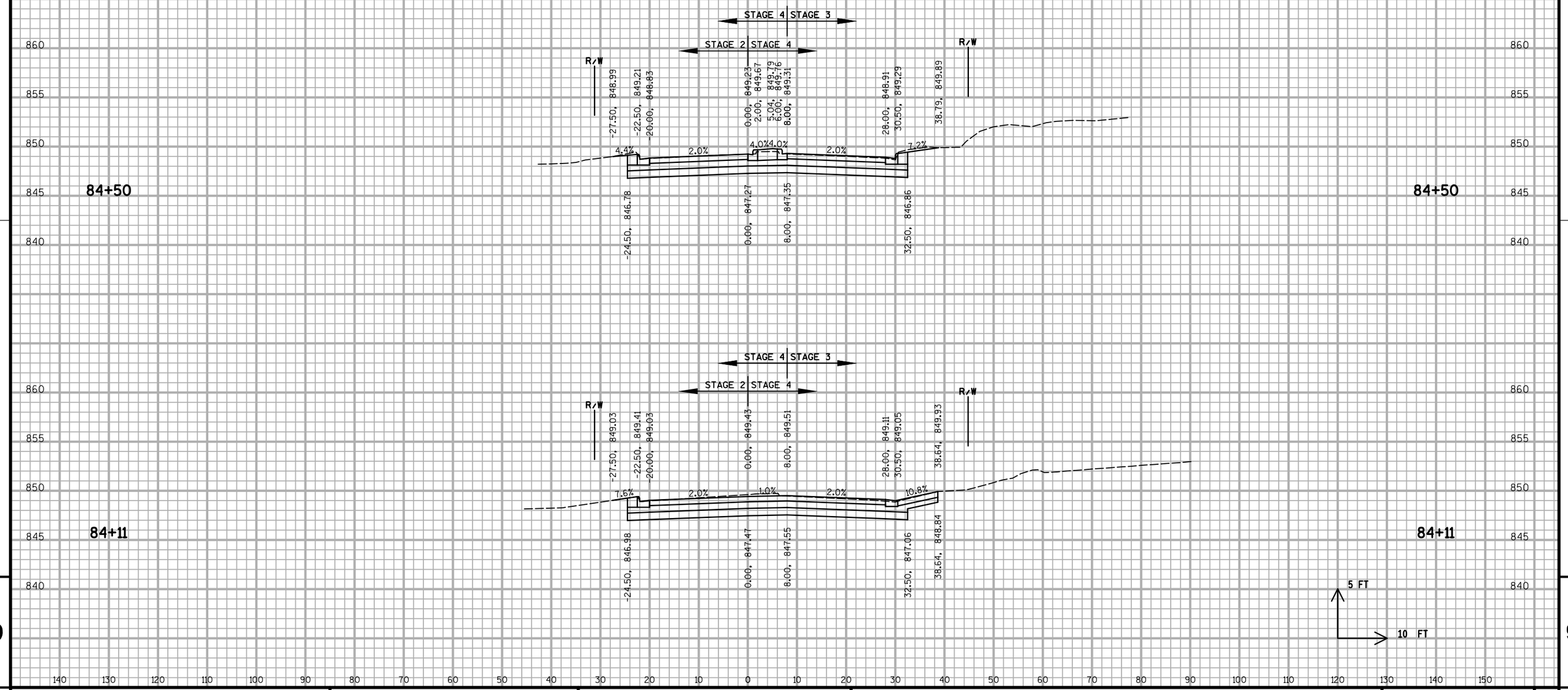
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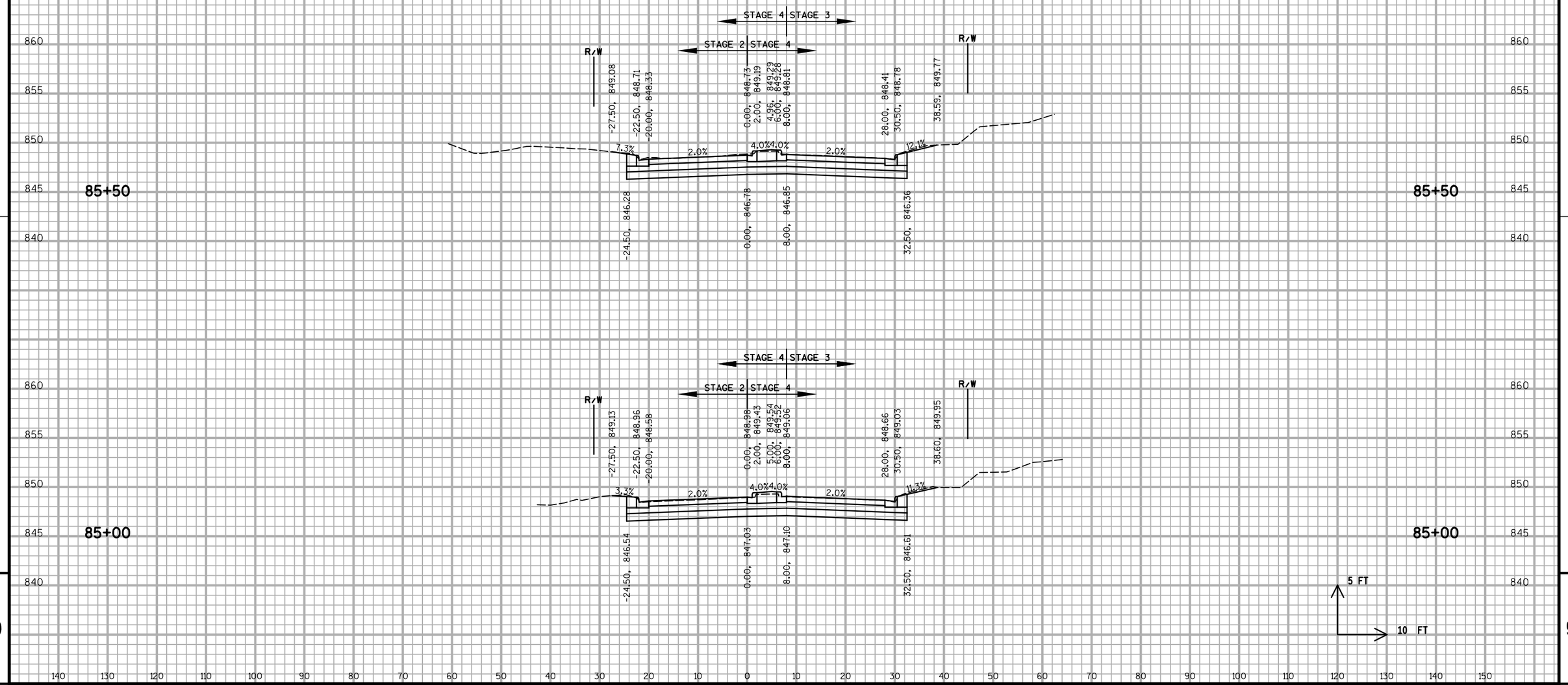
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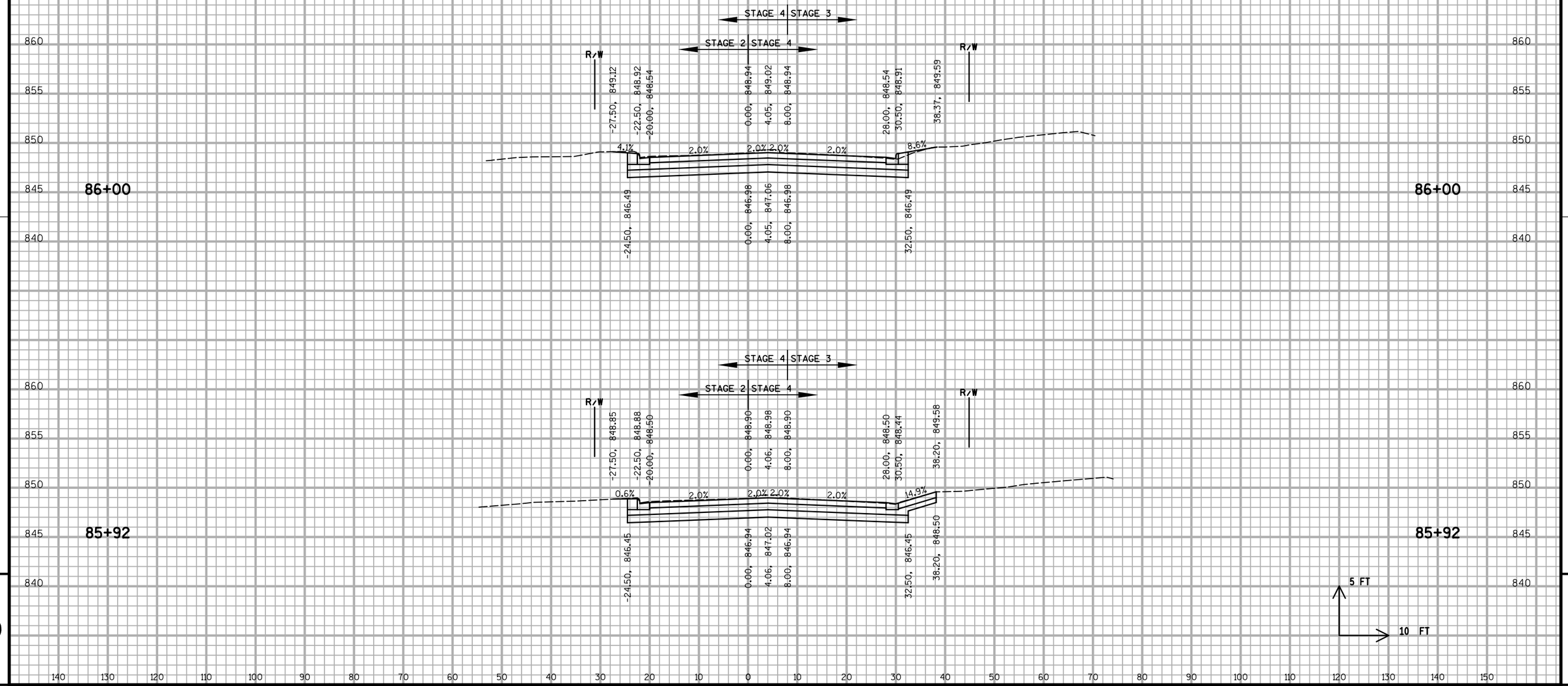
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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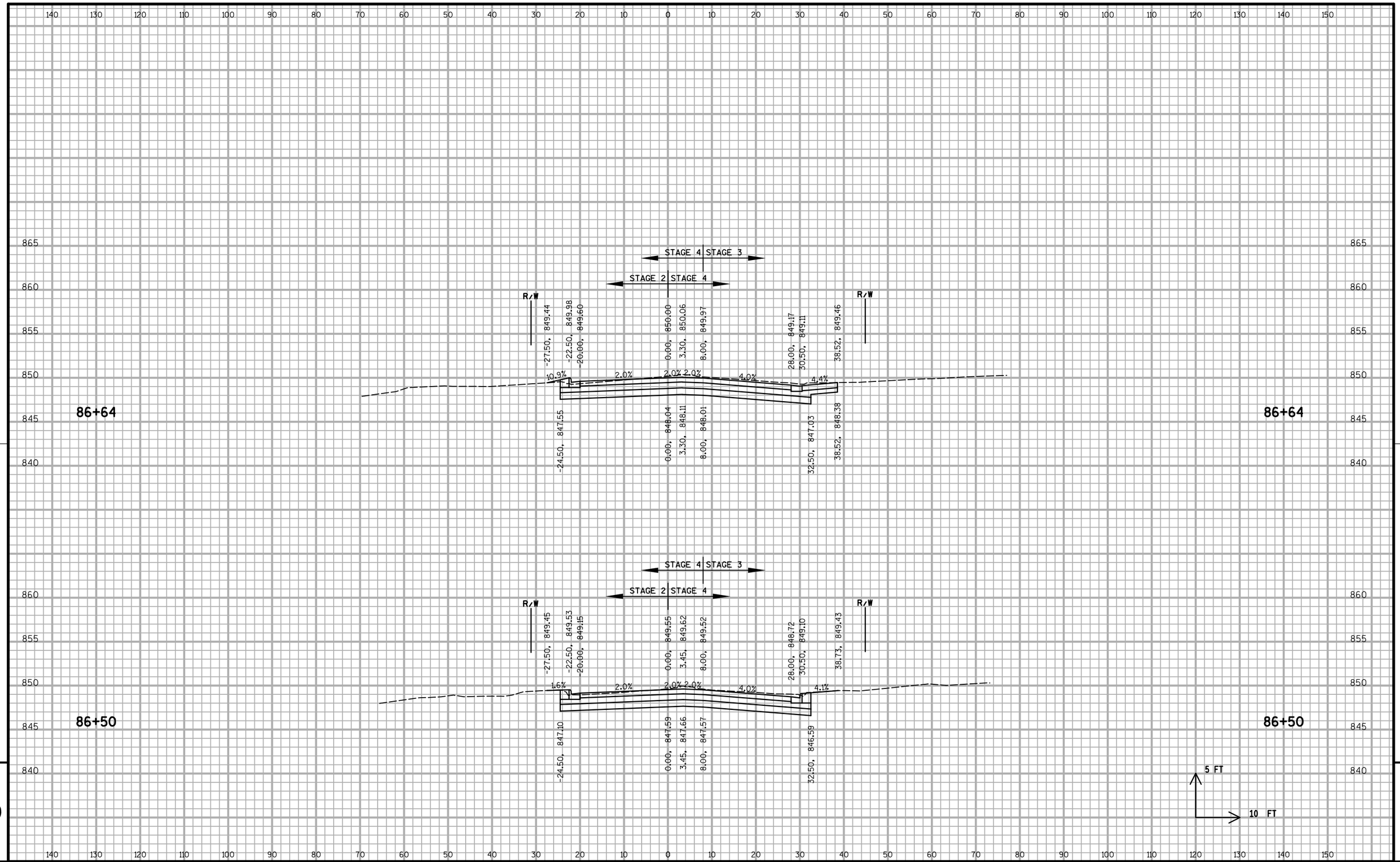


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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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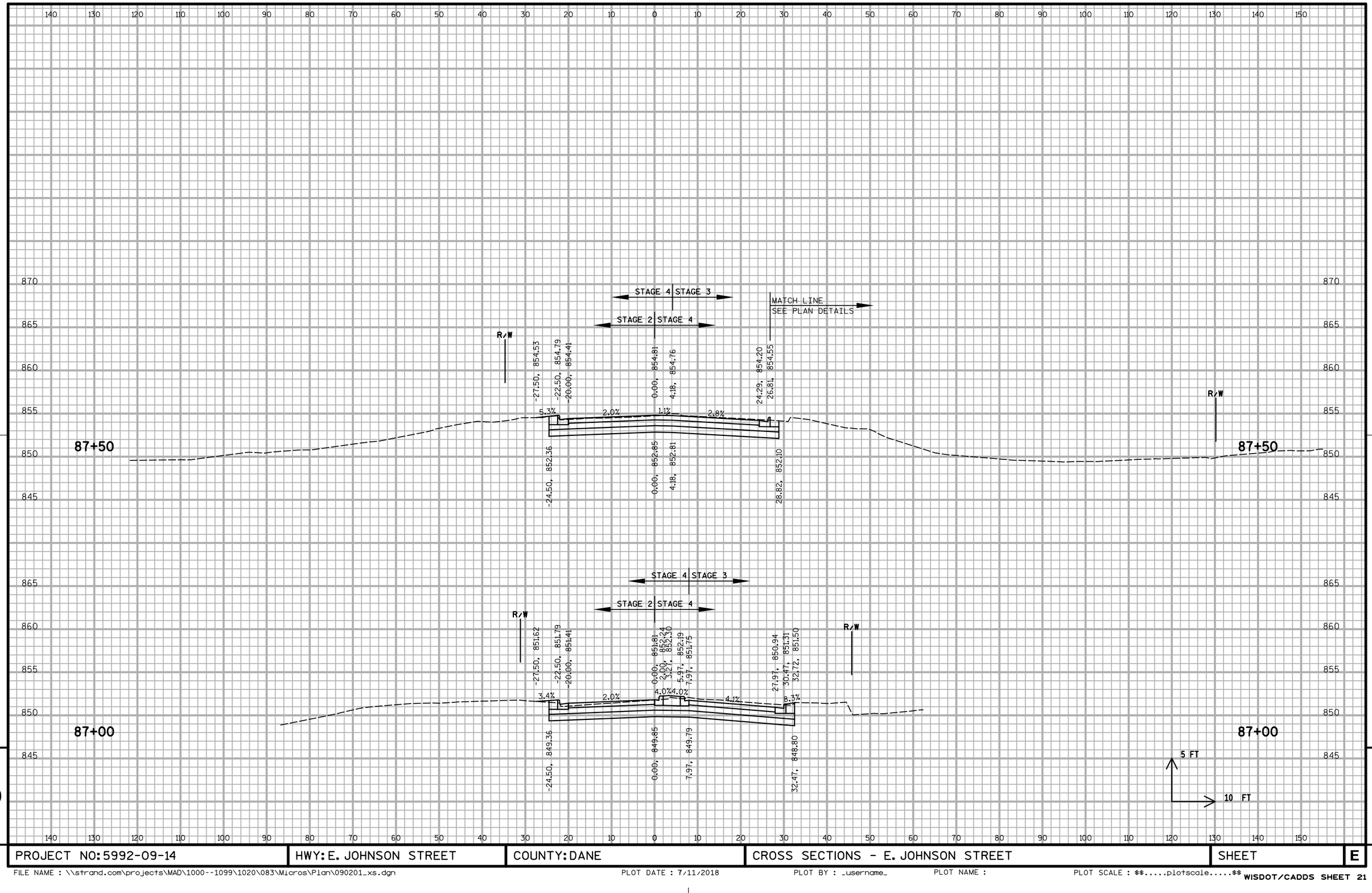


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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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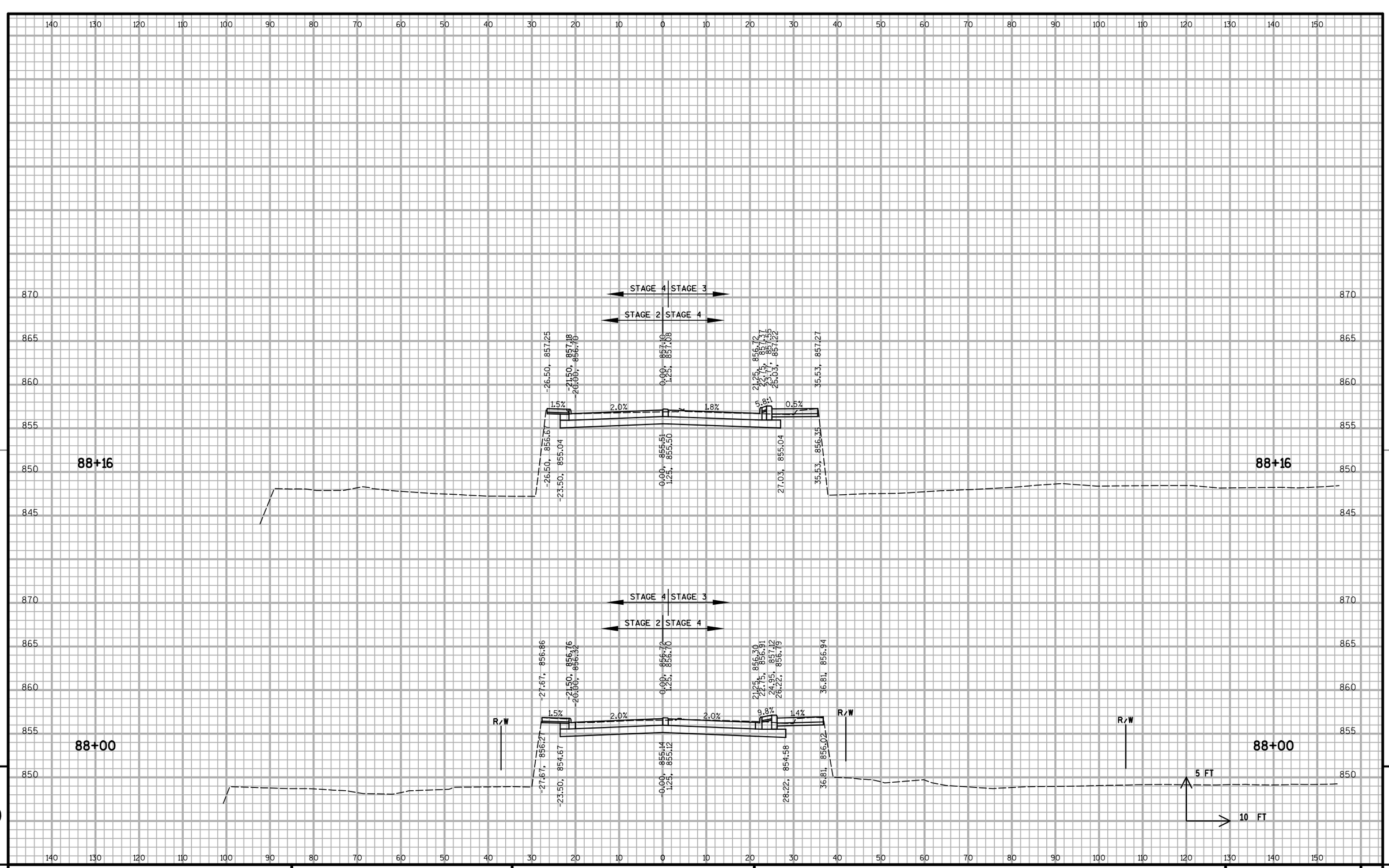


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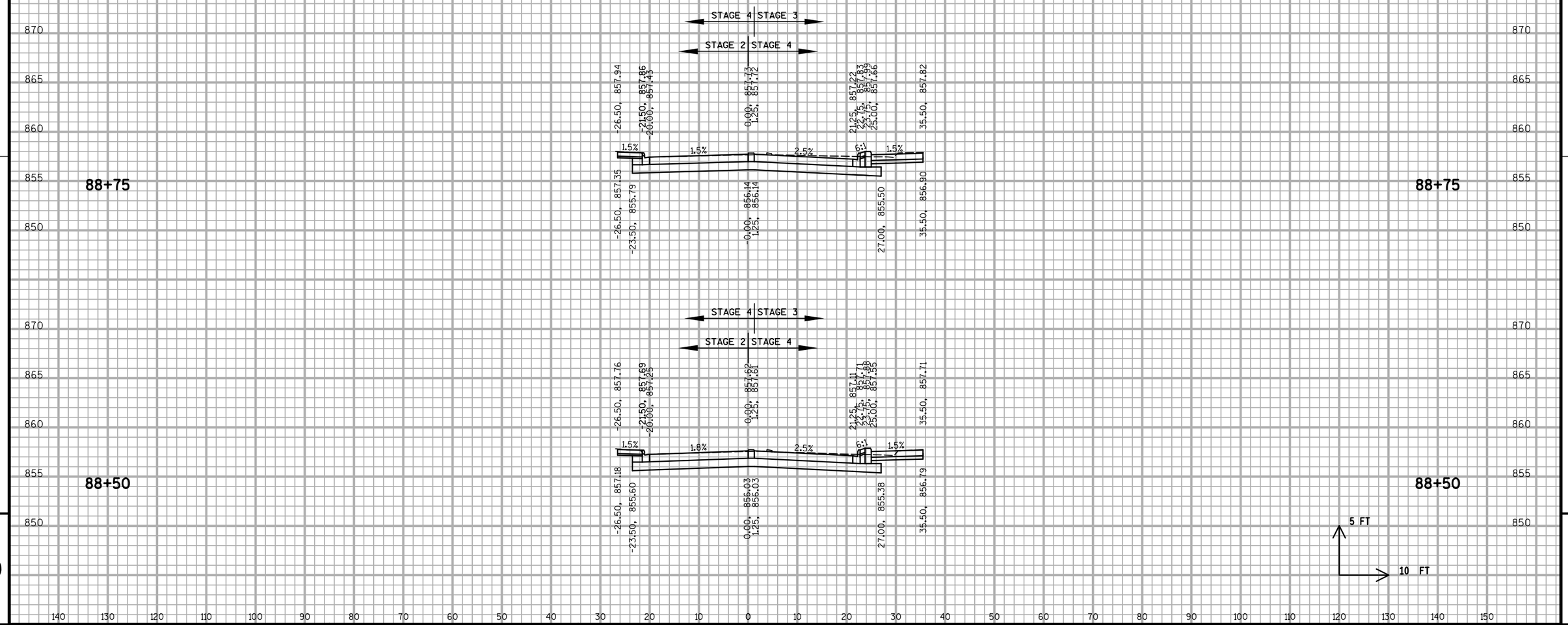
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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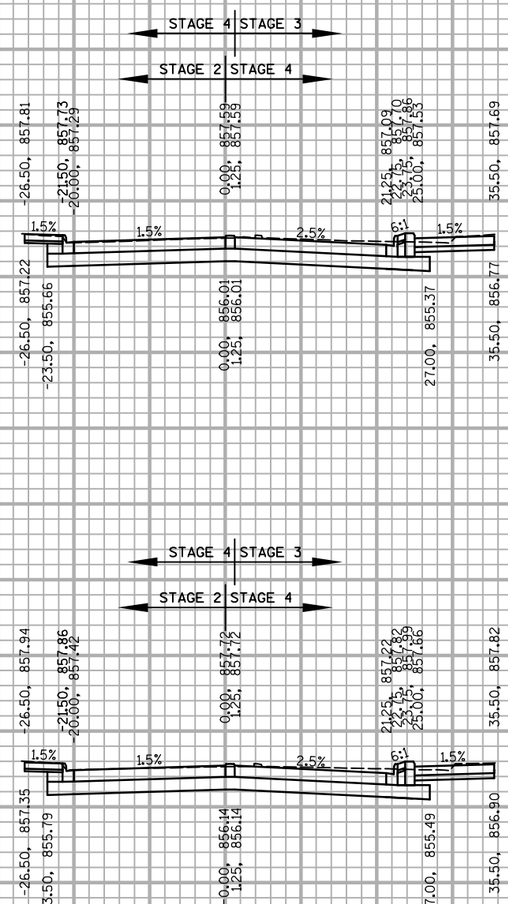


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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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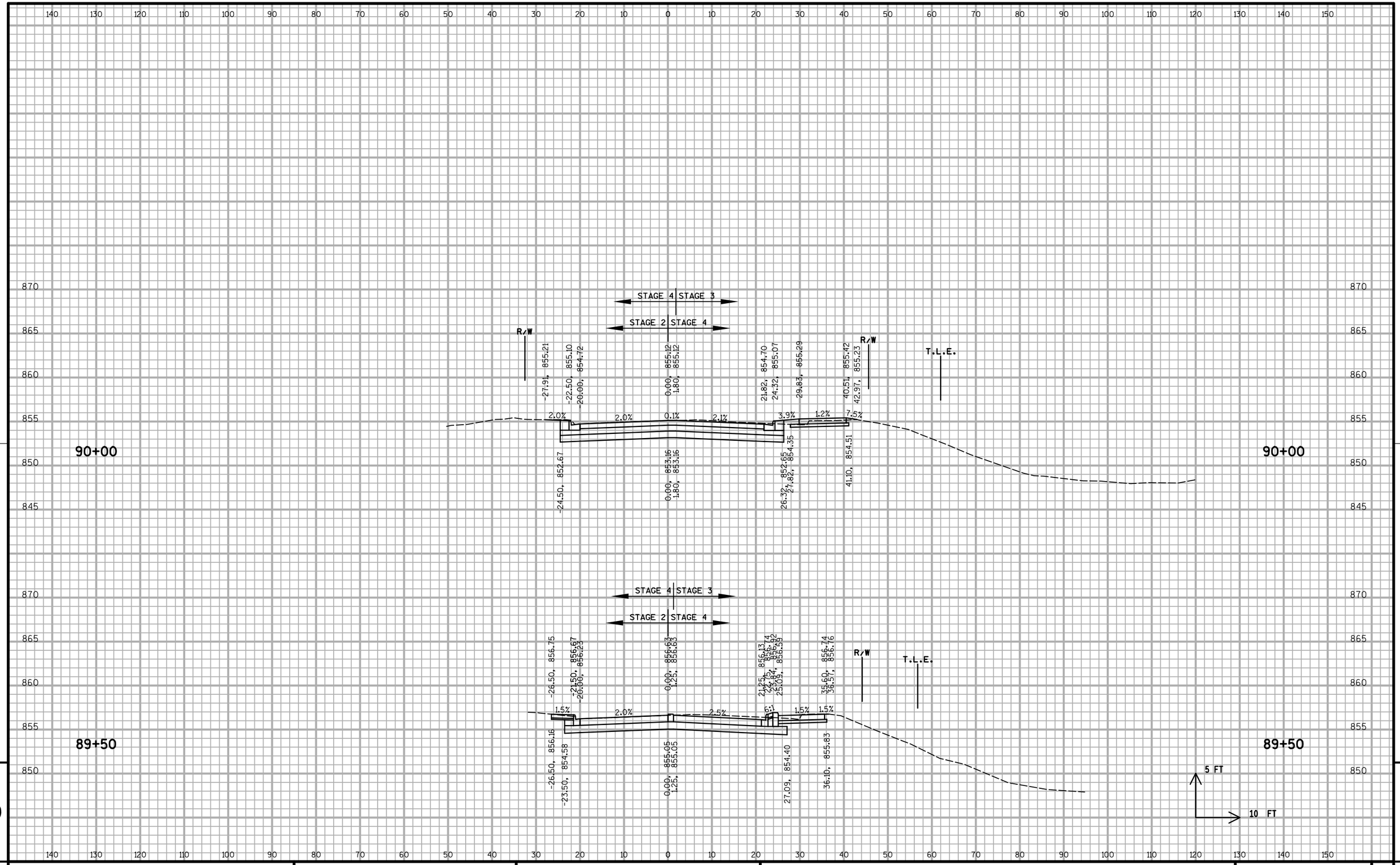


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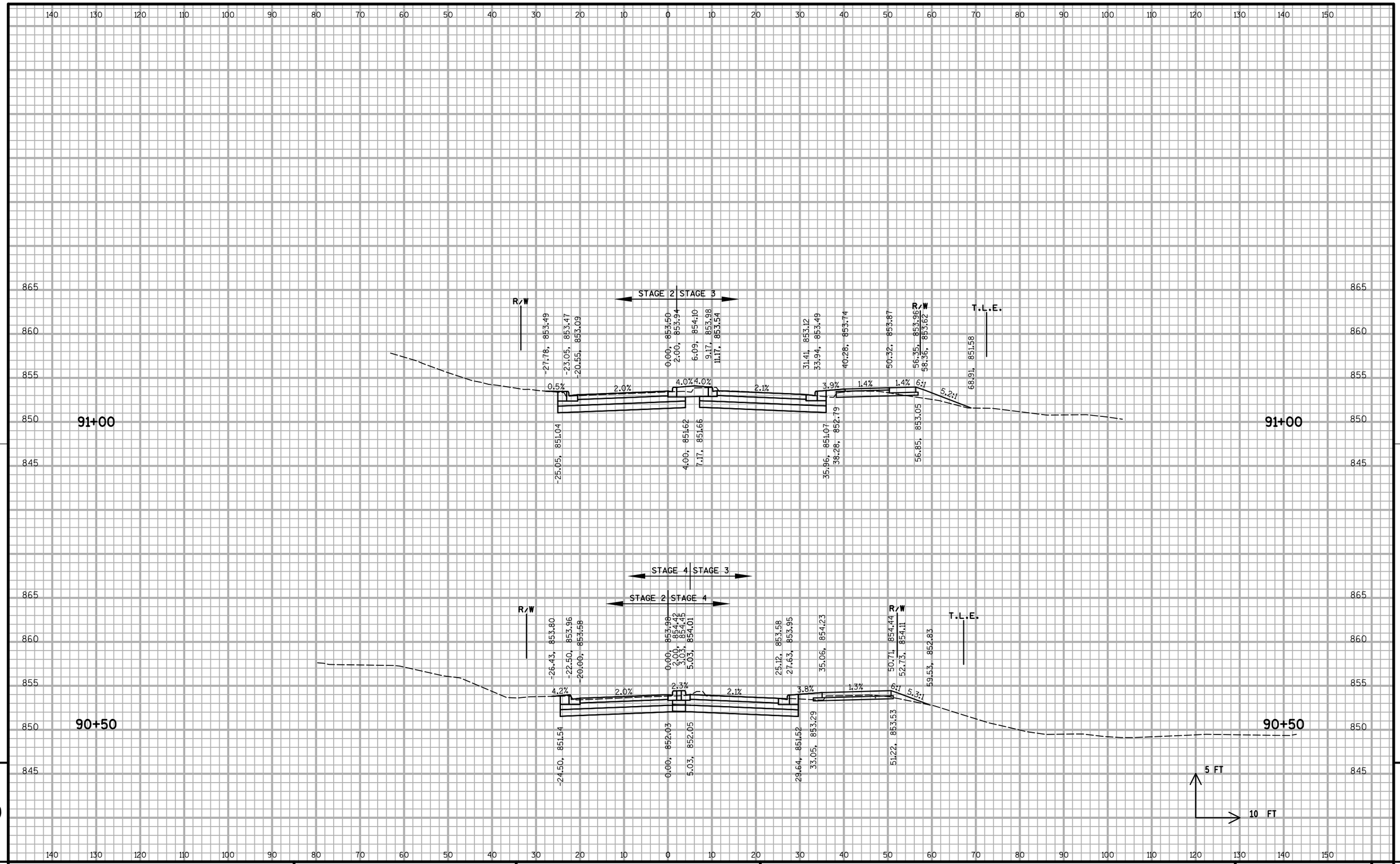
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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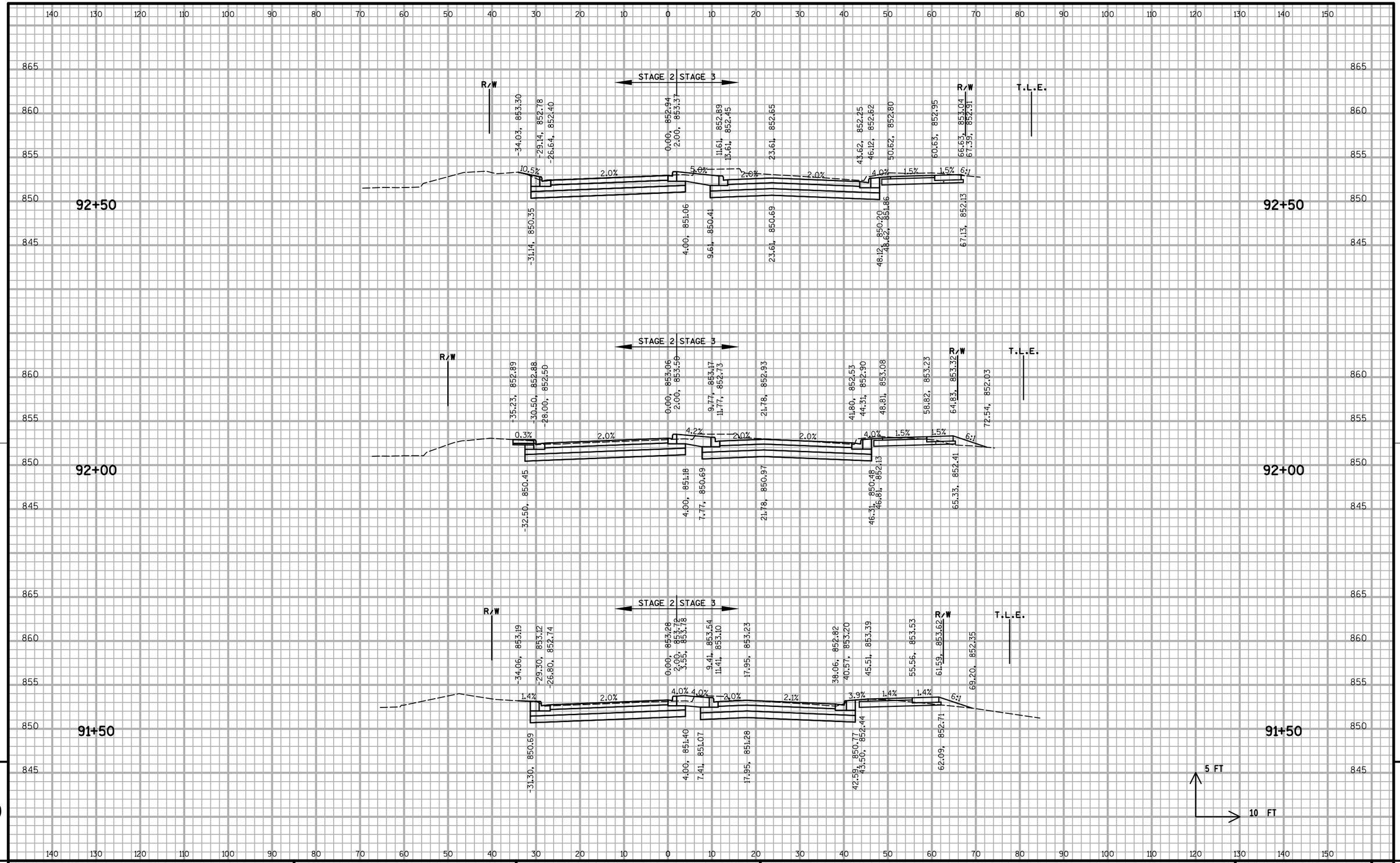


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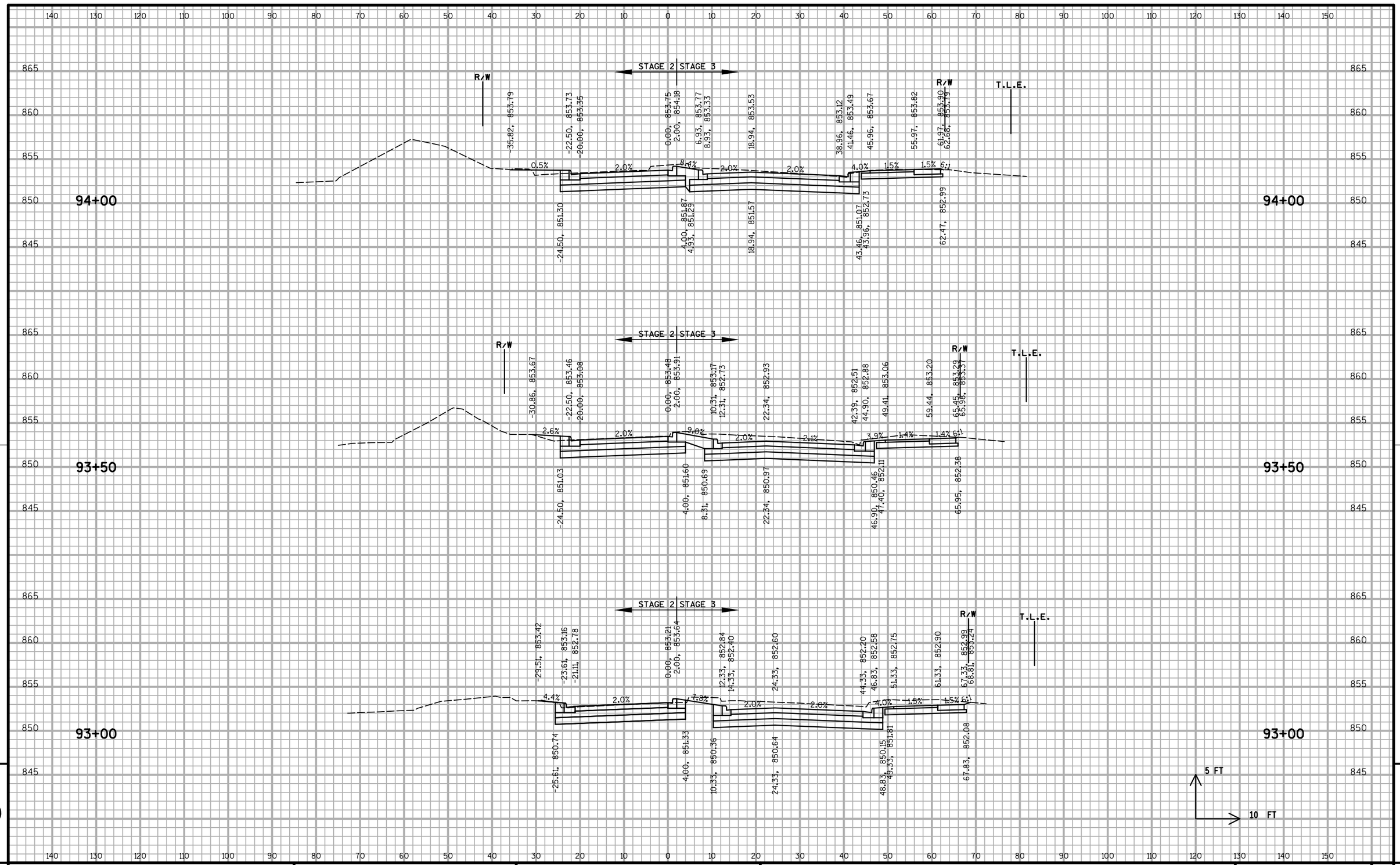
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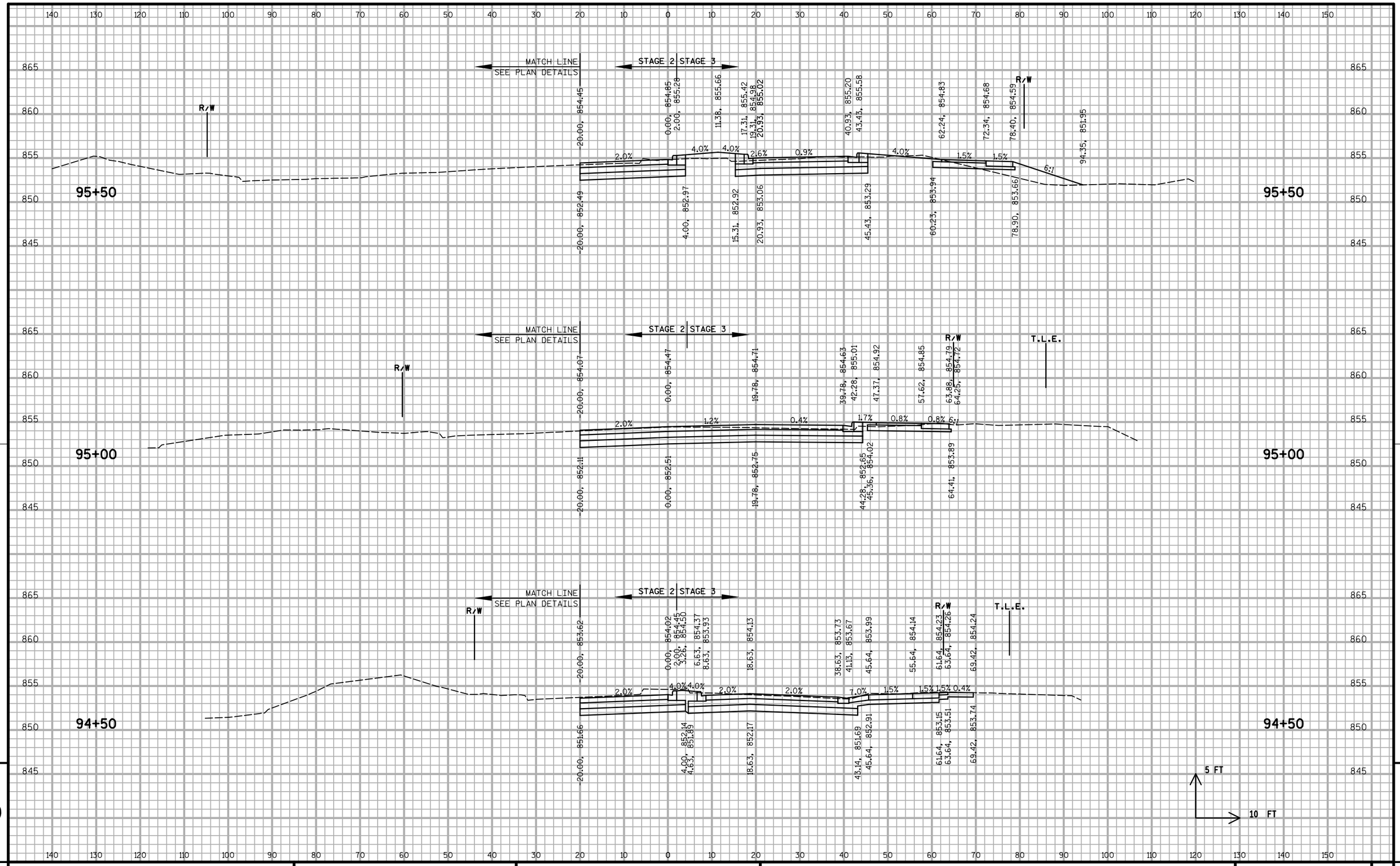
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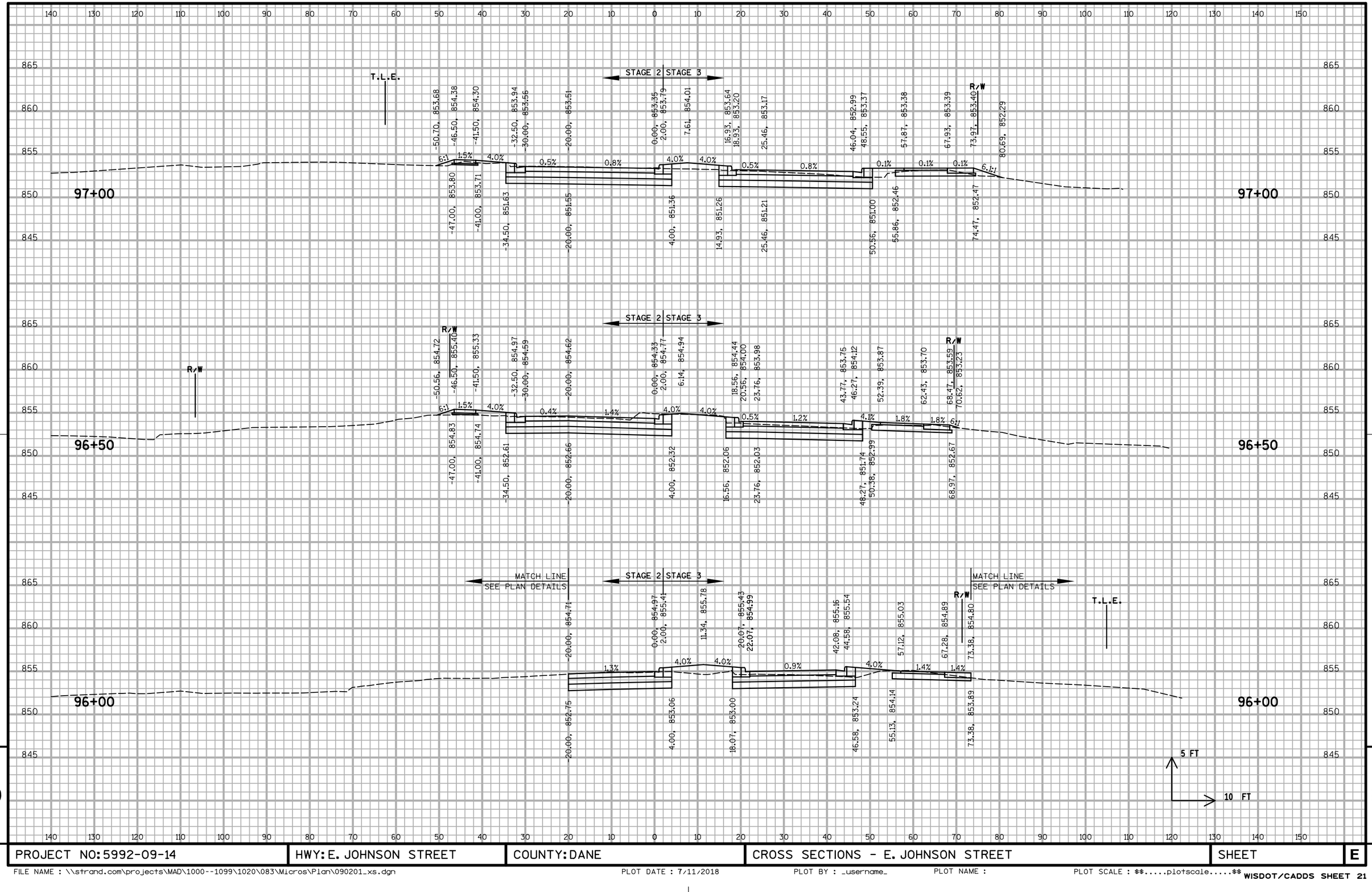
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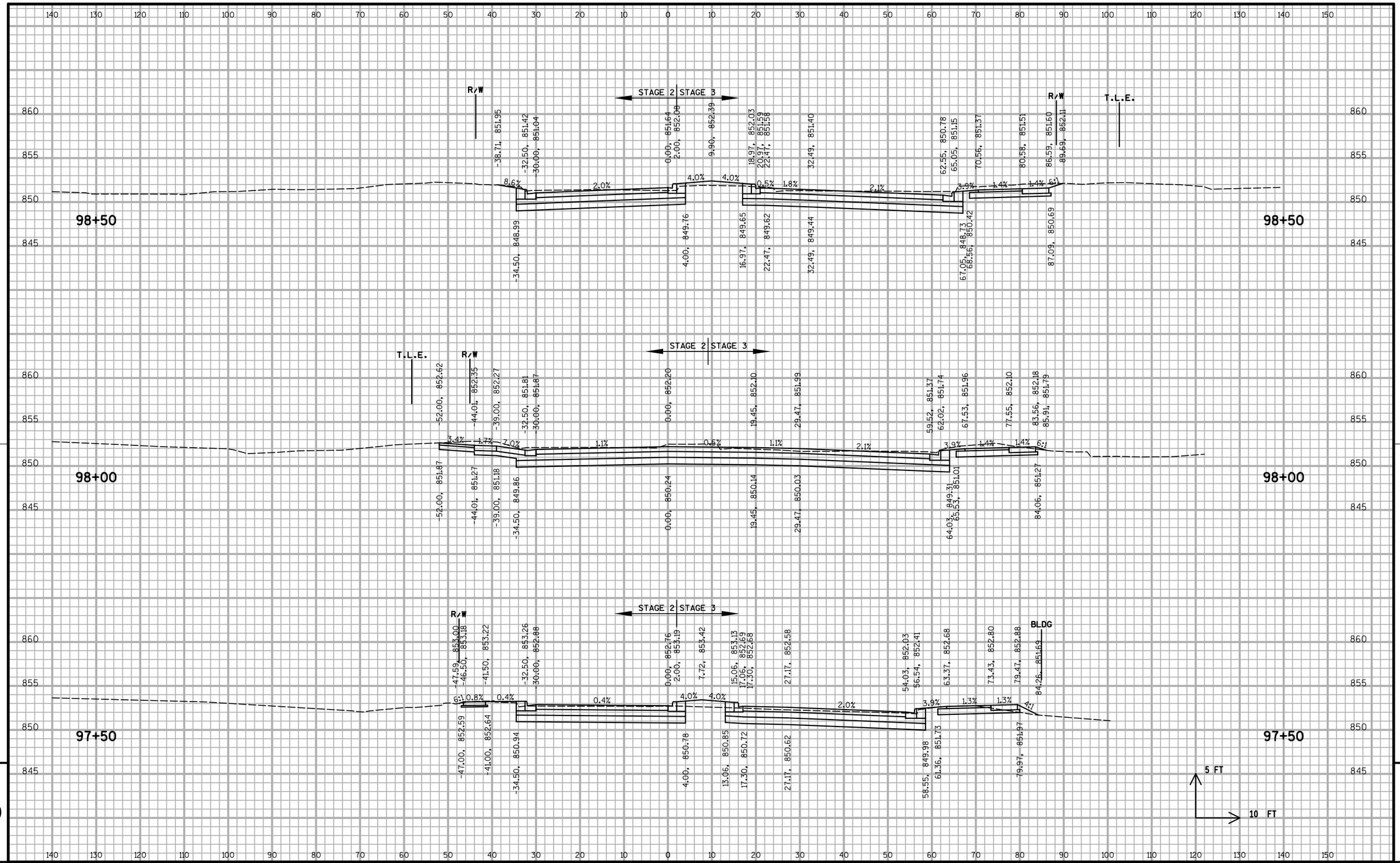
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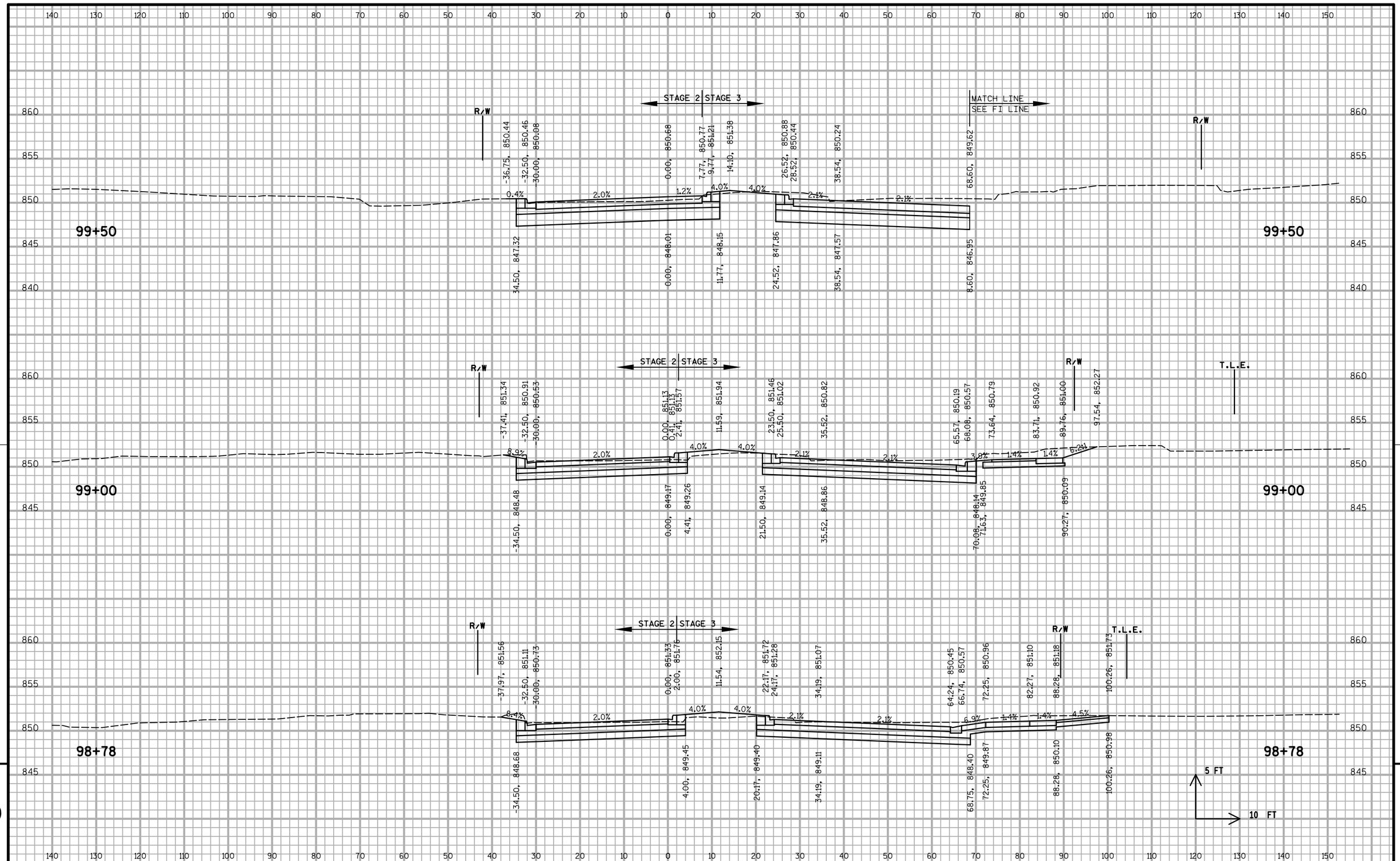
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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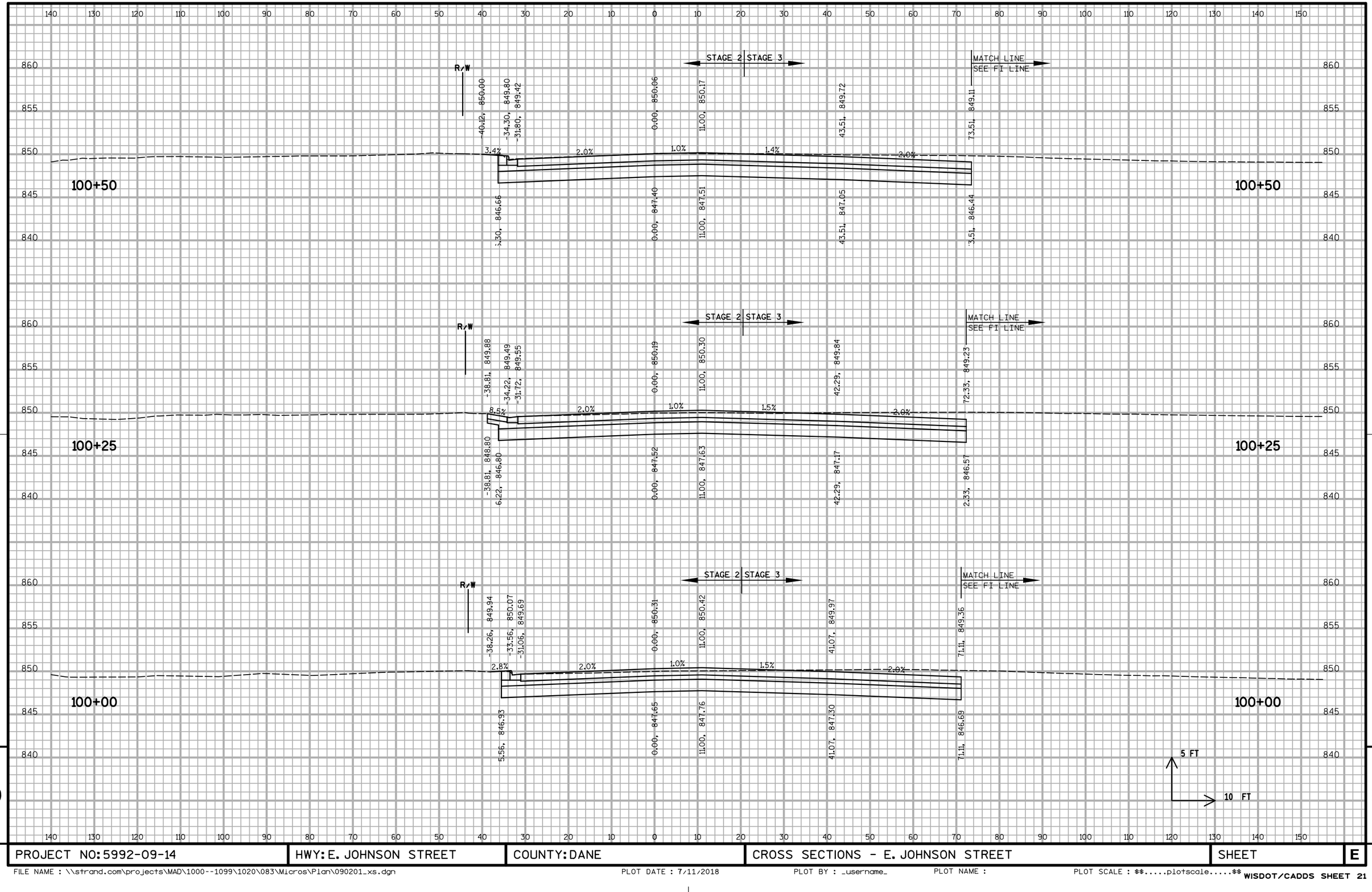
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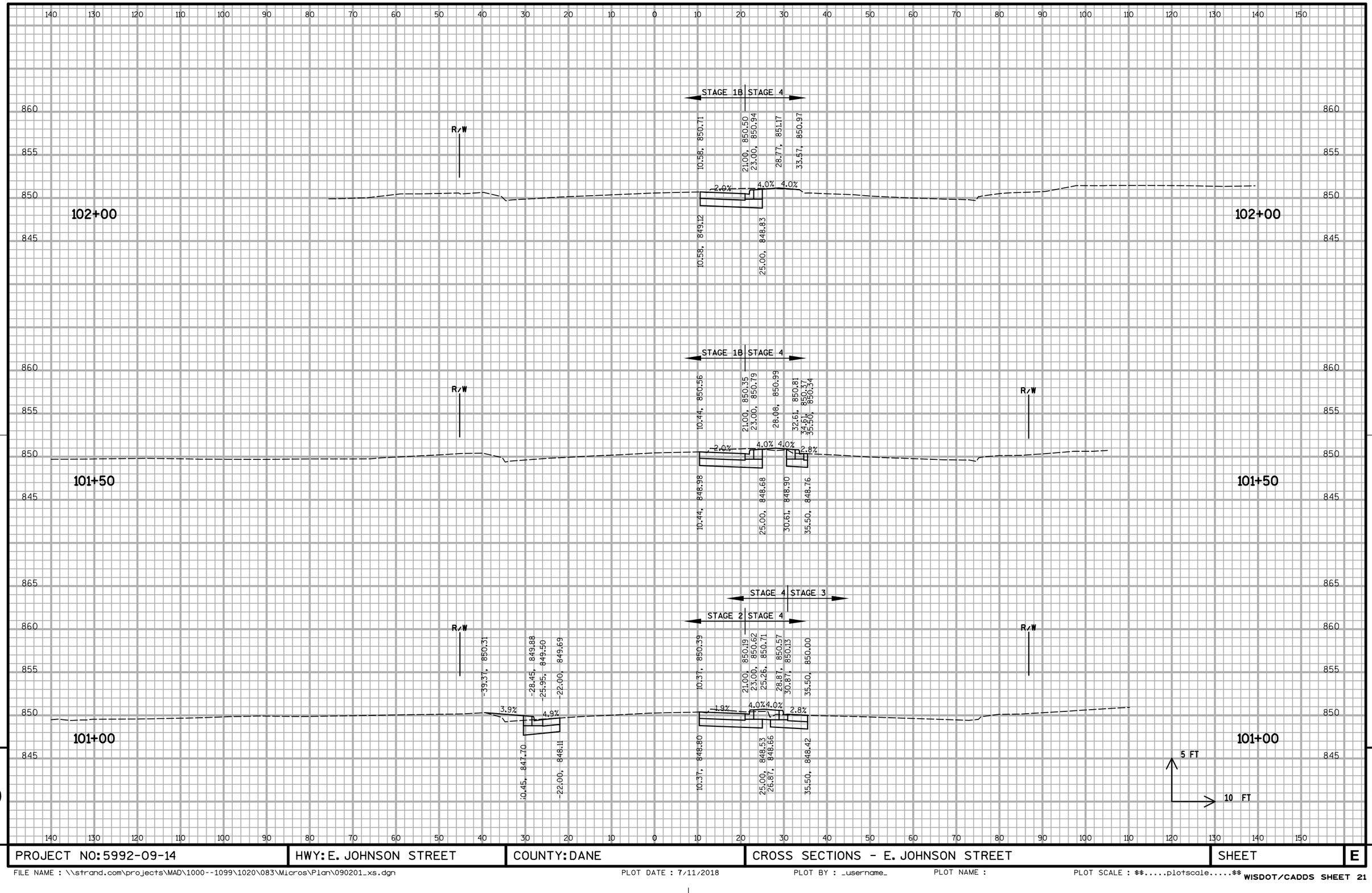
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WISDOT/CADDS SHEET 21

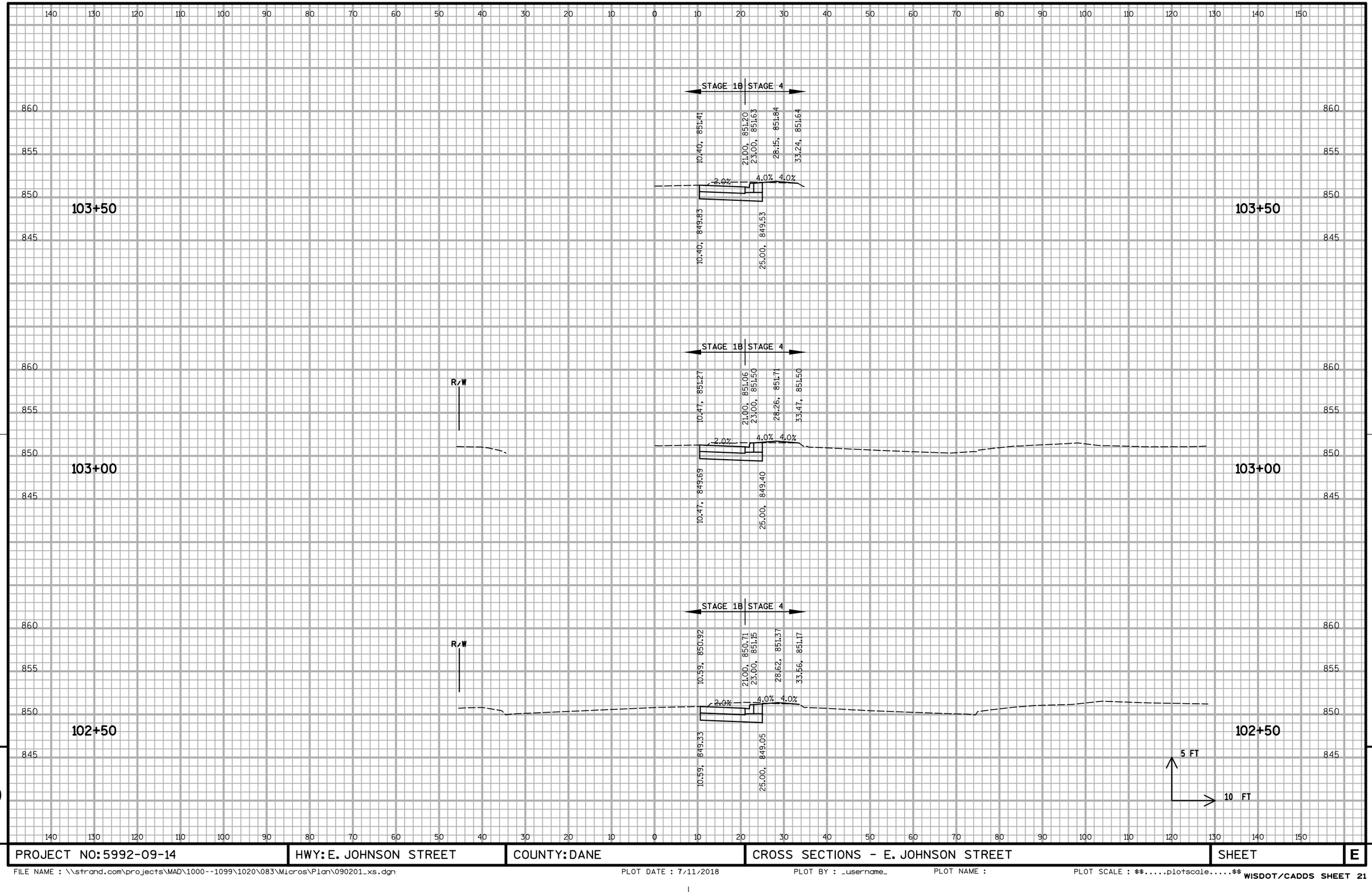


PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E



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

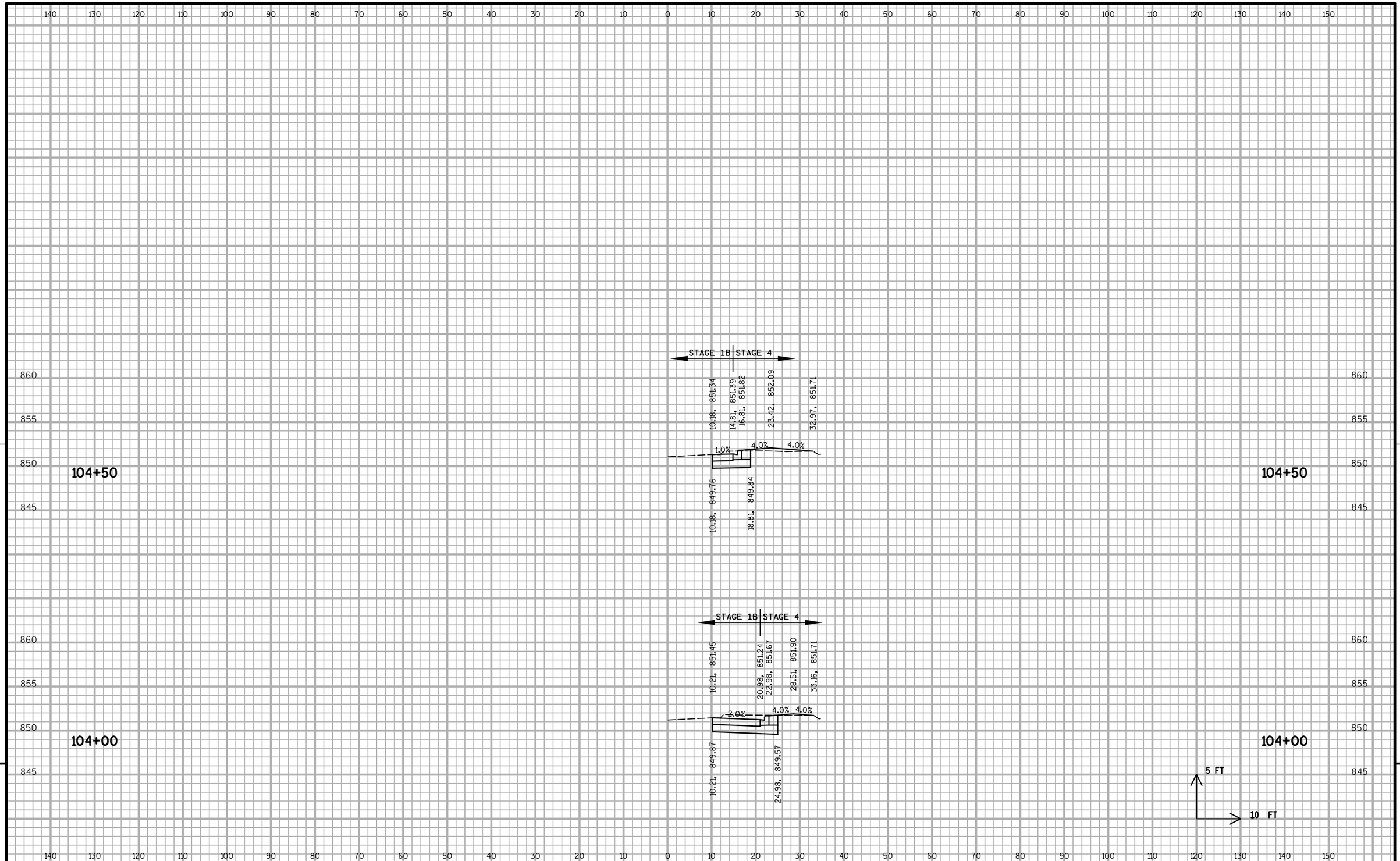


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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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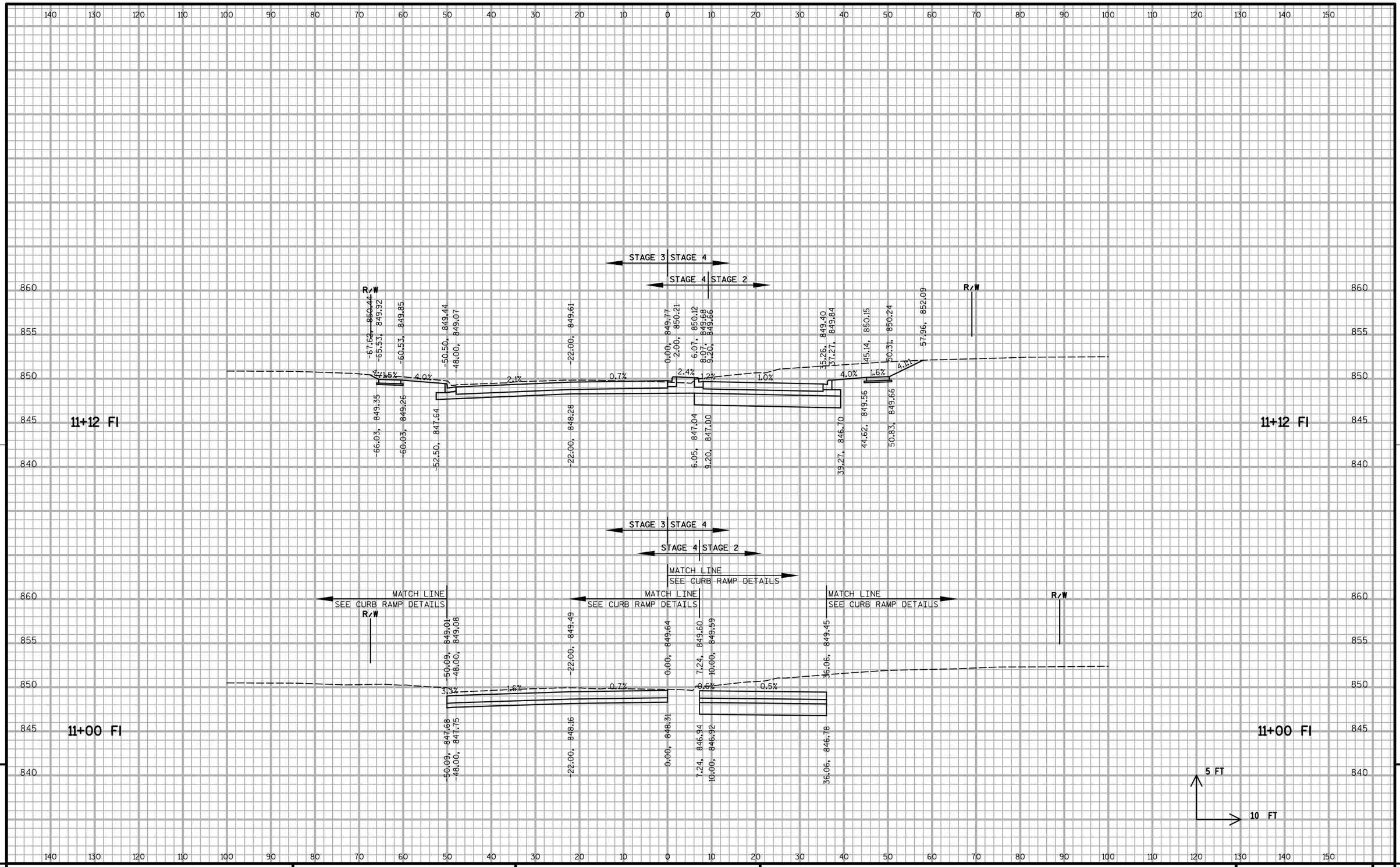


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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - E. JOHNSON STREET	SHEET	E

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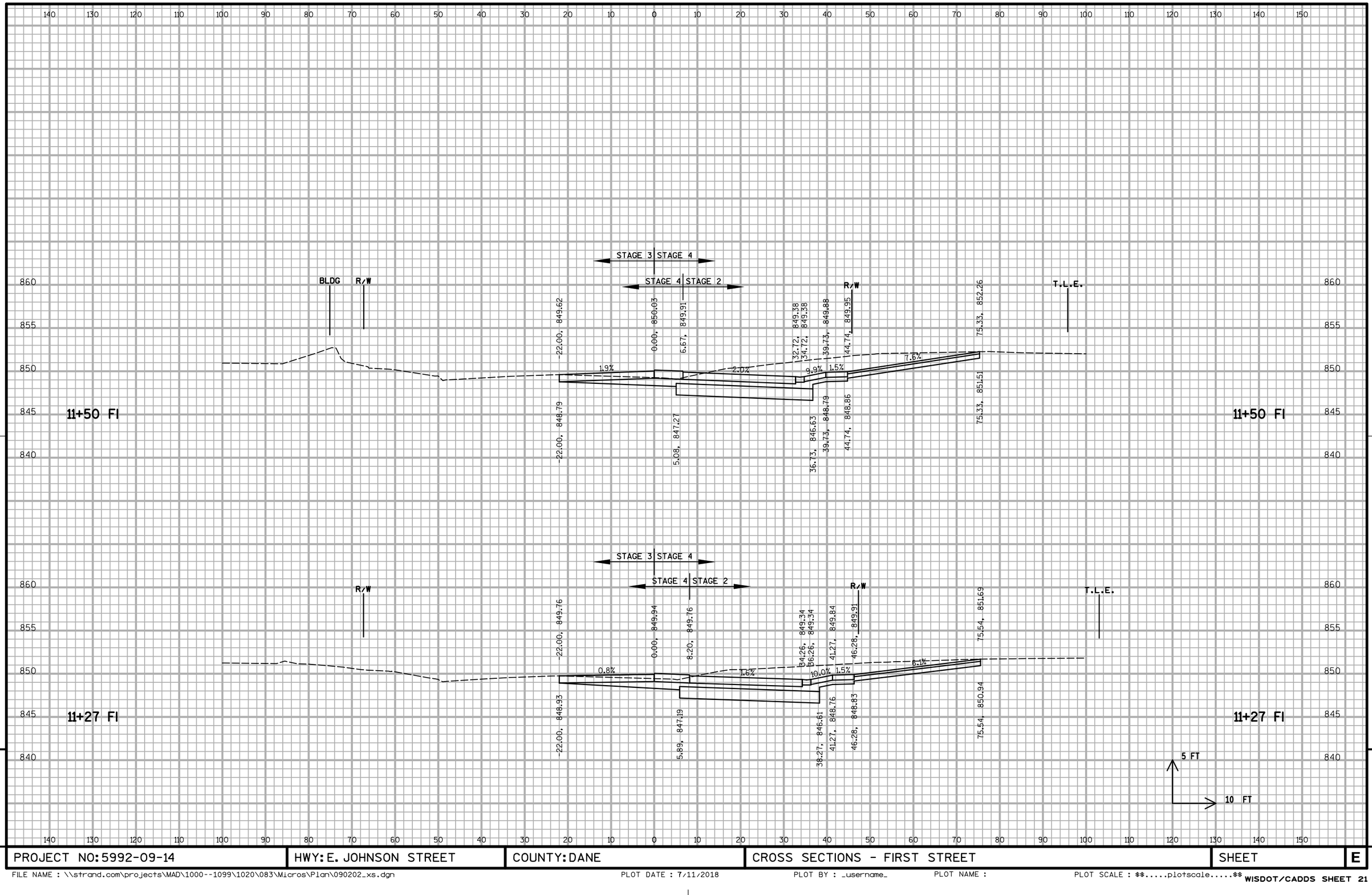


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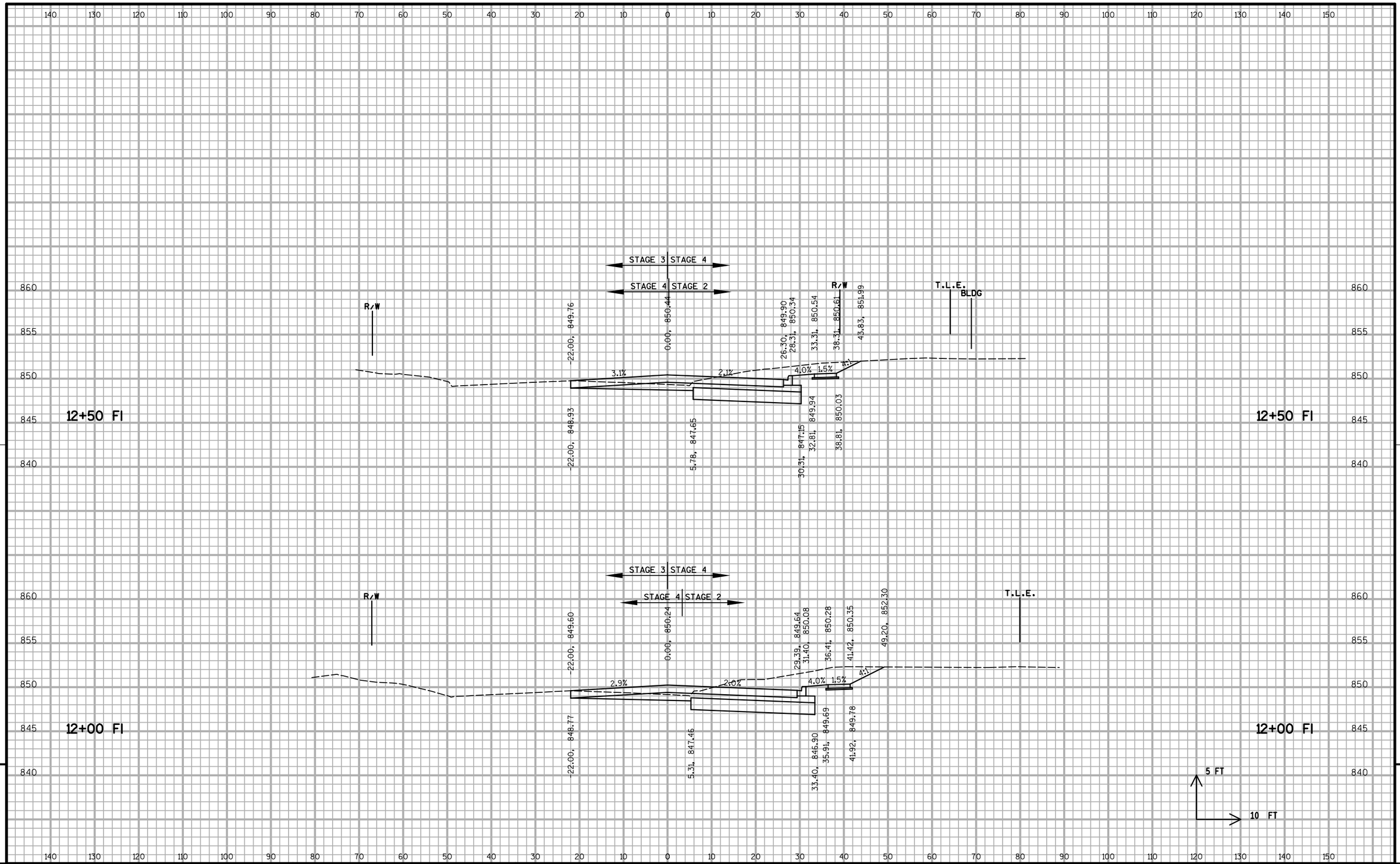
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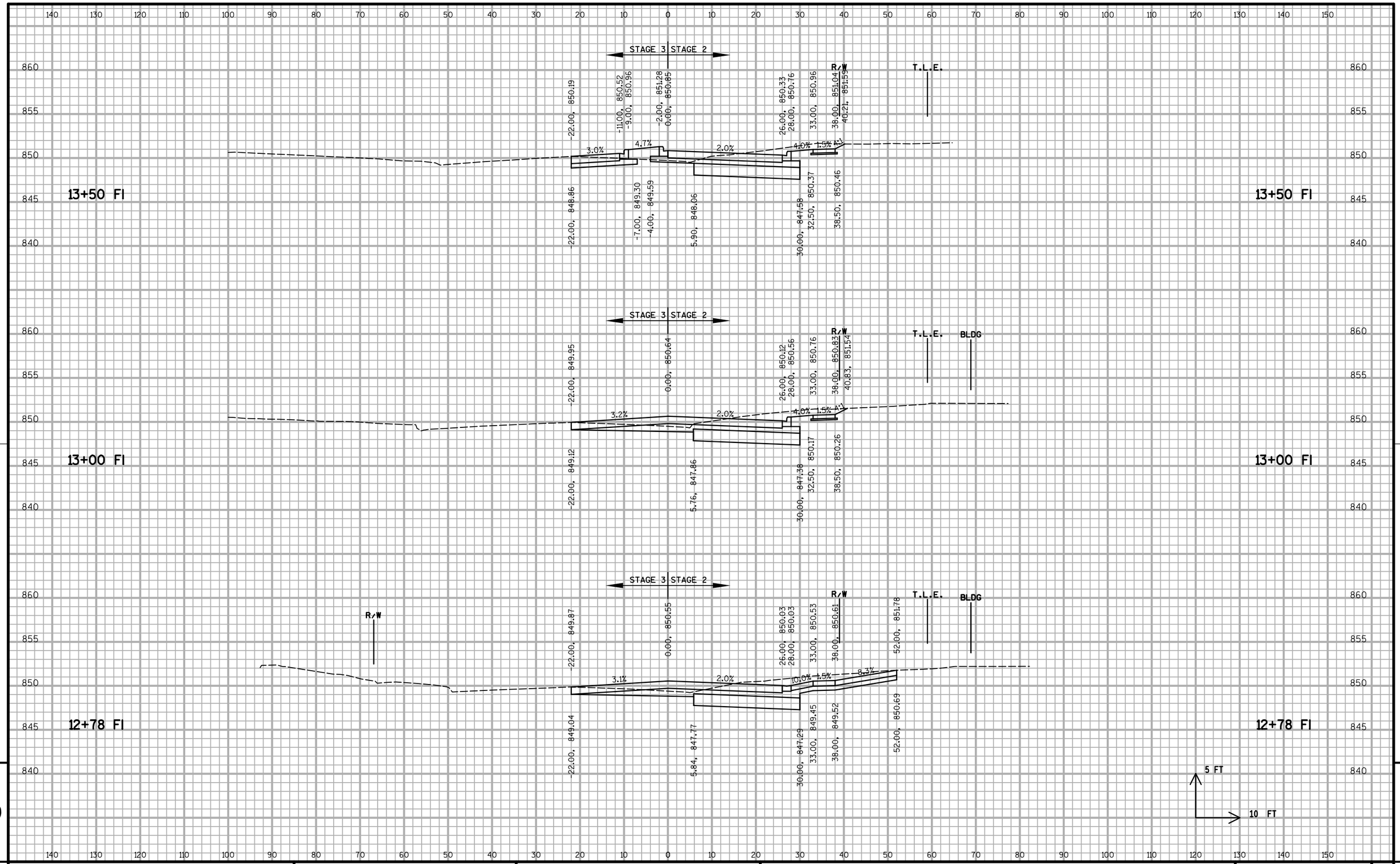
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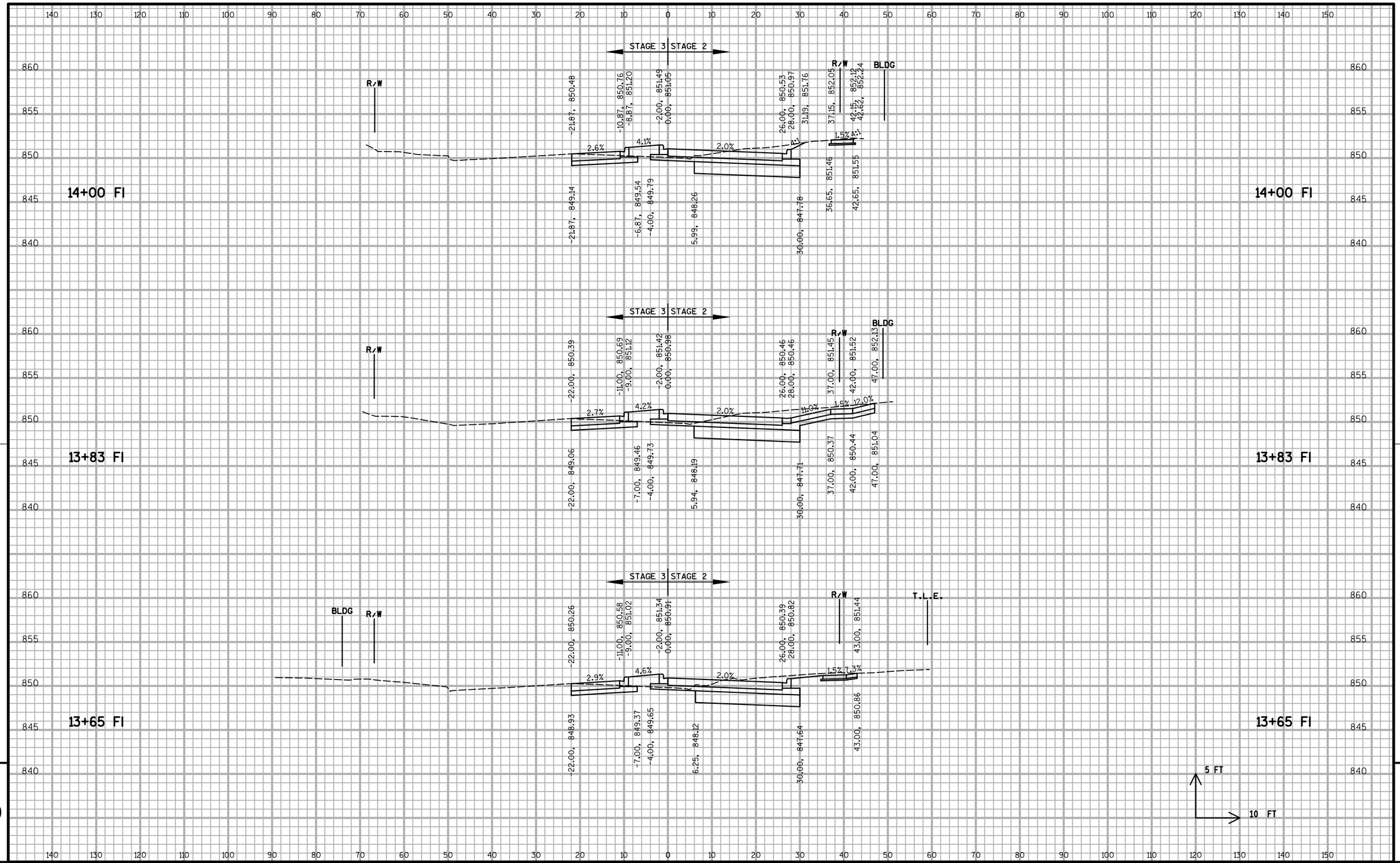
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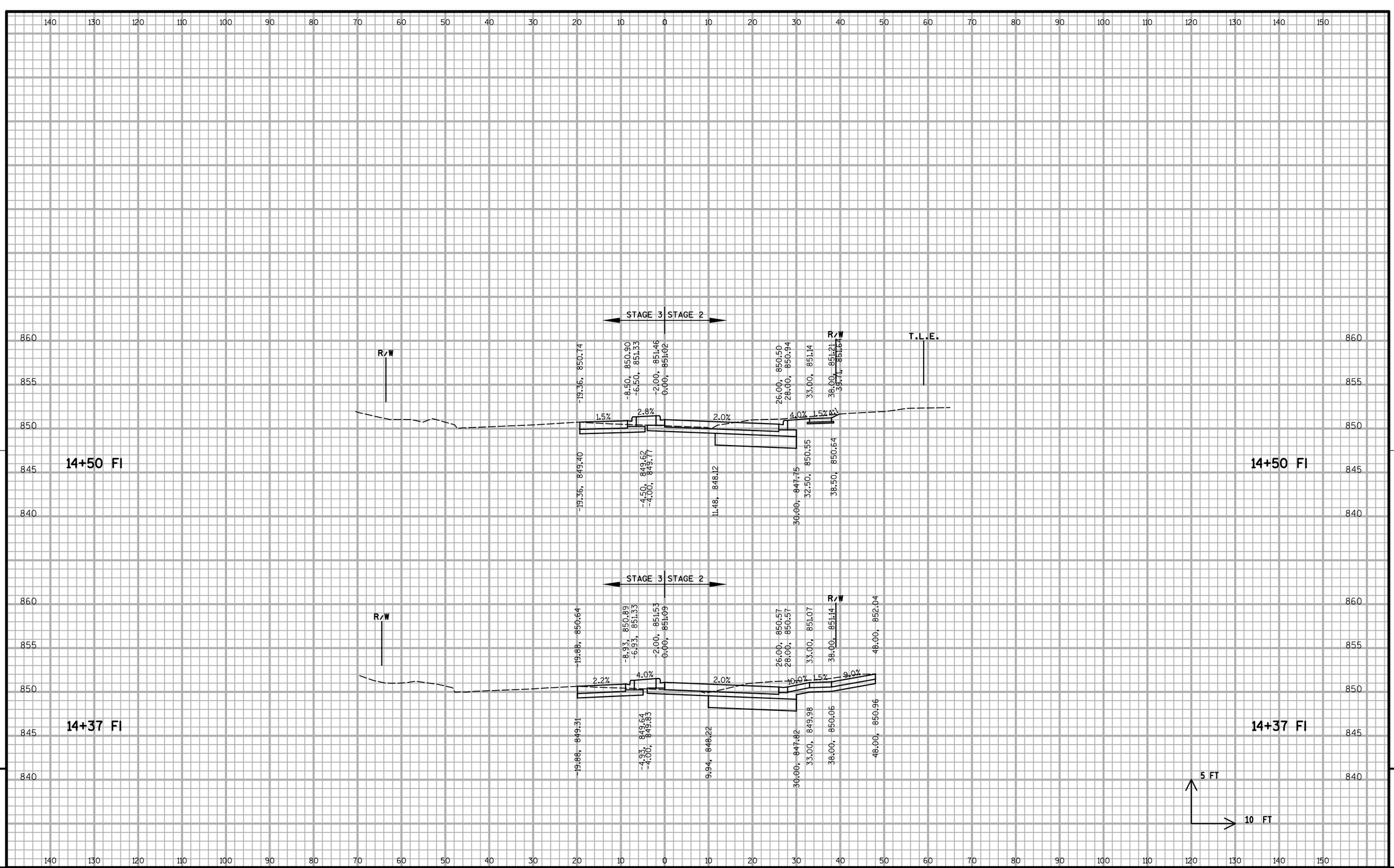
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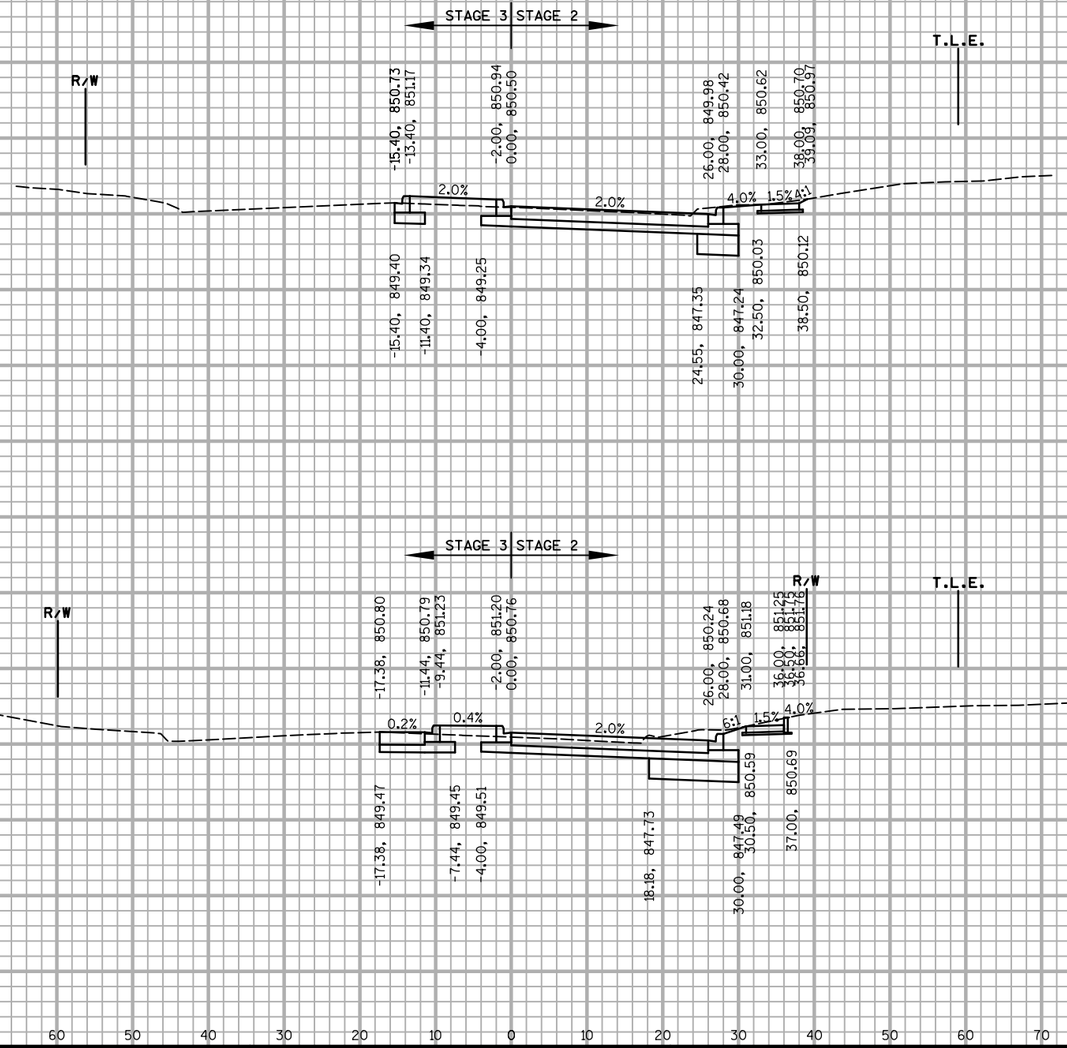
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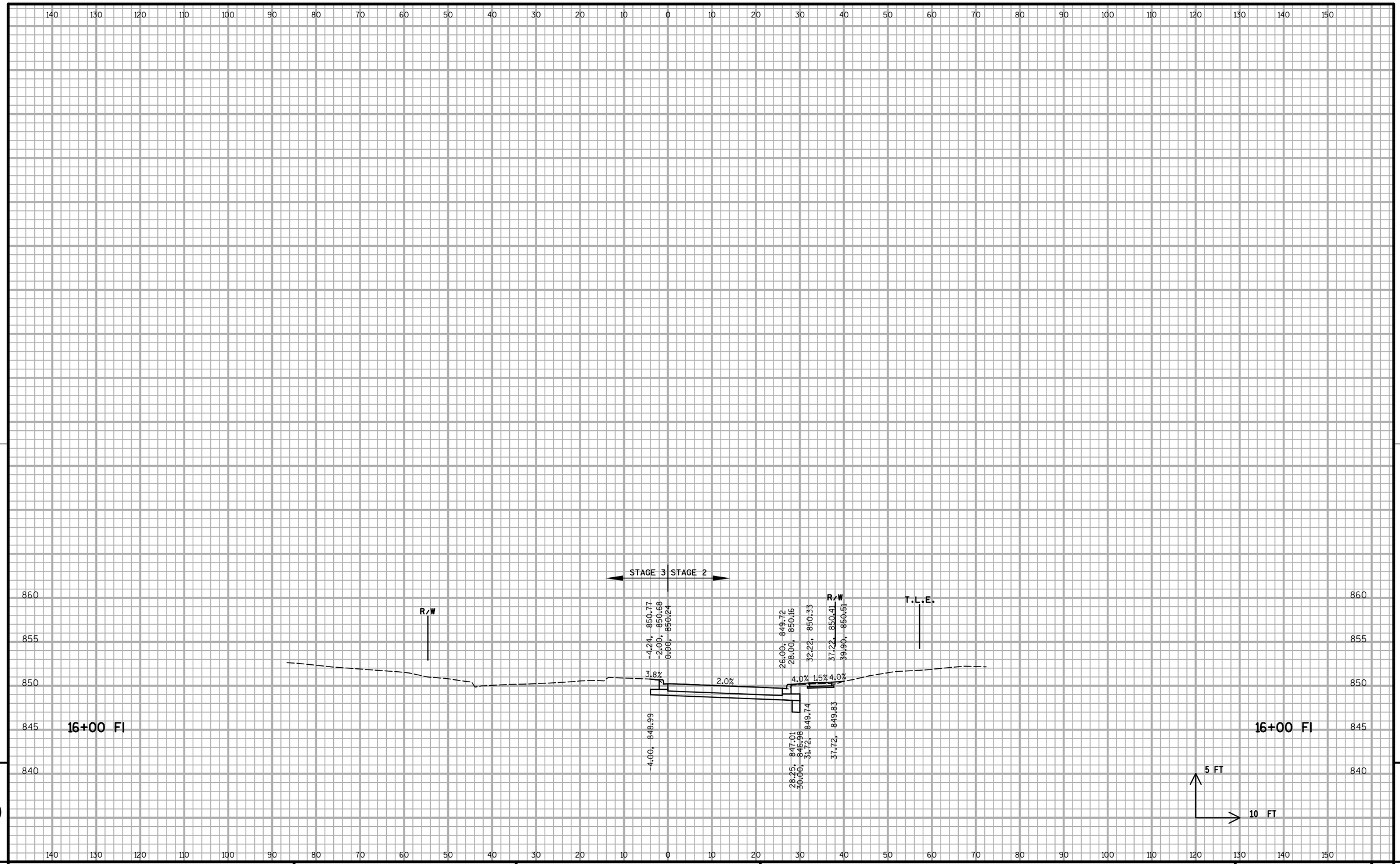
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - FIRST STREET	SHEET	E

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

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70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

855
850
845

10+75 YP

T.L.E.

-15.07, 848.54
-12.00, 849.11
3:1
6:1
-12.00, 849.56
-10.00, 849.89
1.5%
R/W
0.00, 849.29
0.00, 850.04

MATCH LINE
SEE PL LINE

R/W
10+75 YP

855
850
845

10+50 YP

T.L.E.

-11.86, 848.03
9:1
-11.86, 848.61
-9.86, 848.83
2.1%
10.2:1
0.00, 849.03
2.00, 848.33
2.00, 848.84
R/W

855
850
845

10+50 YP

855
850
845

10+33.89 YP

T.L.E.

-11.66, 847.18
5.2%
-11.66, 848.10
-9.66, 848.00
3.3%
7.4:1
0.00, 848.32
2.00, 847.64
2.00, 848.59
R/W

855
850
845

10+33.89 YP

5 FT
5 FT

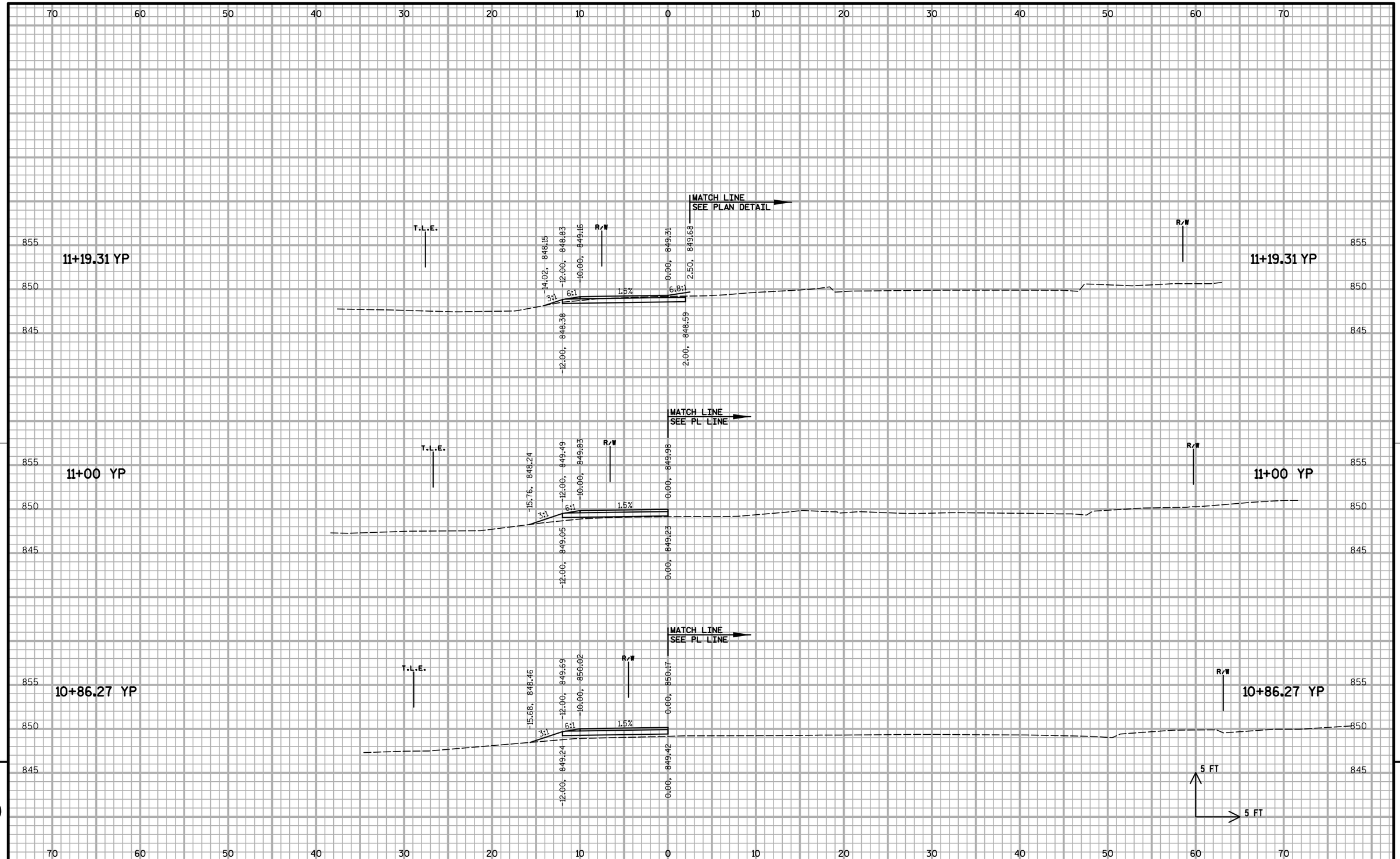
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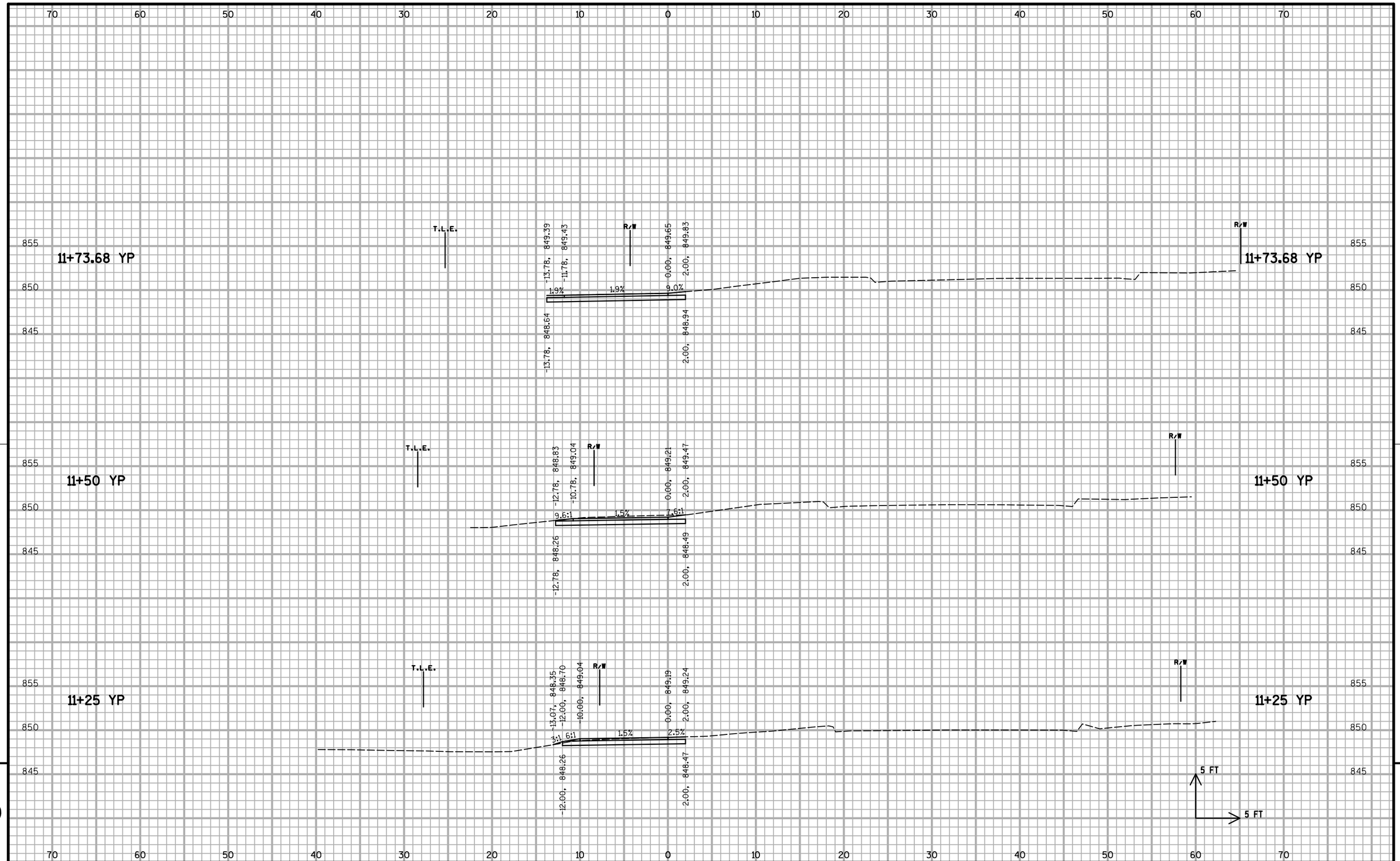
70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - YP LINE	SHEET	E

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



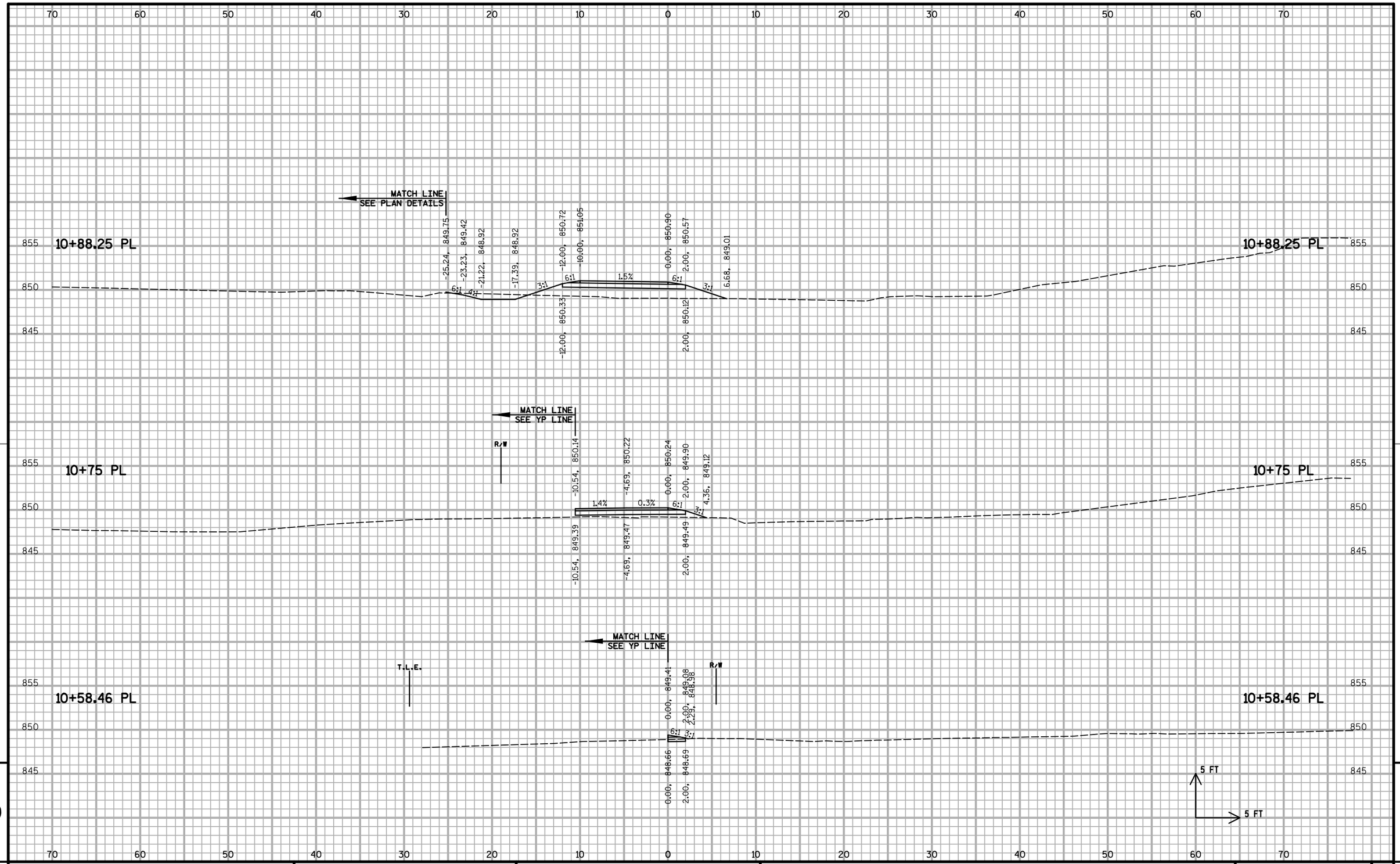
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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - YP LINE	SHEET	E

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WISDOT/CADDS SHEET 21

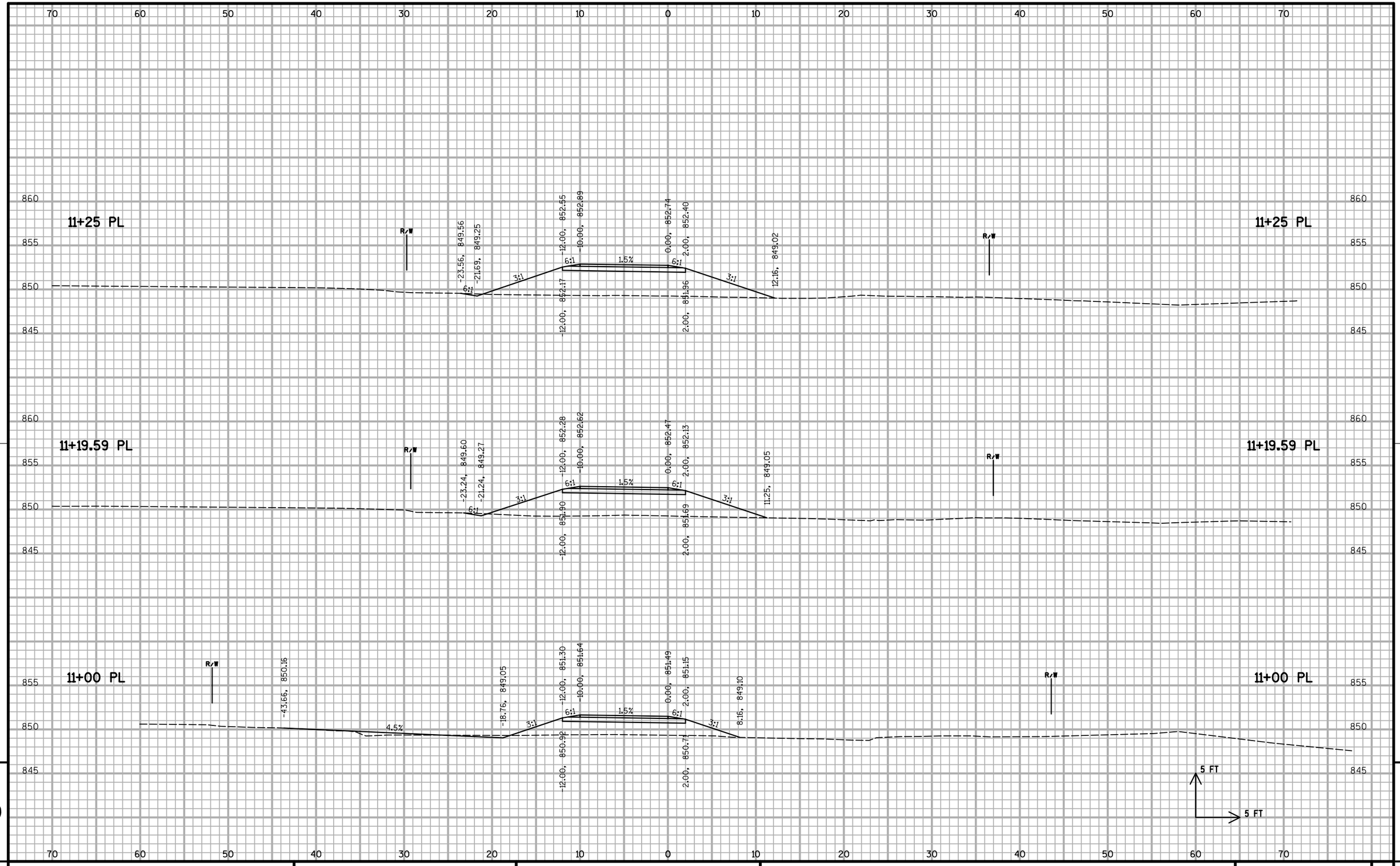


9

9

PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - PL LINE	SHEET	E

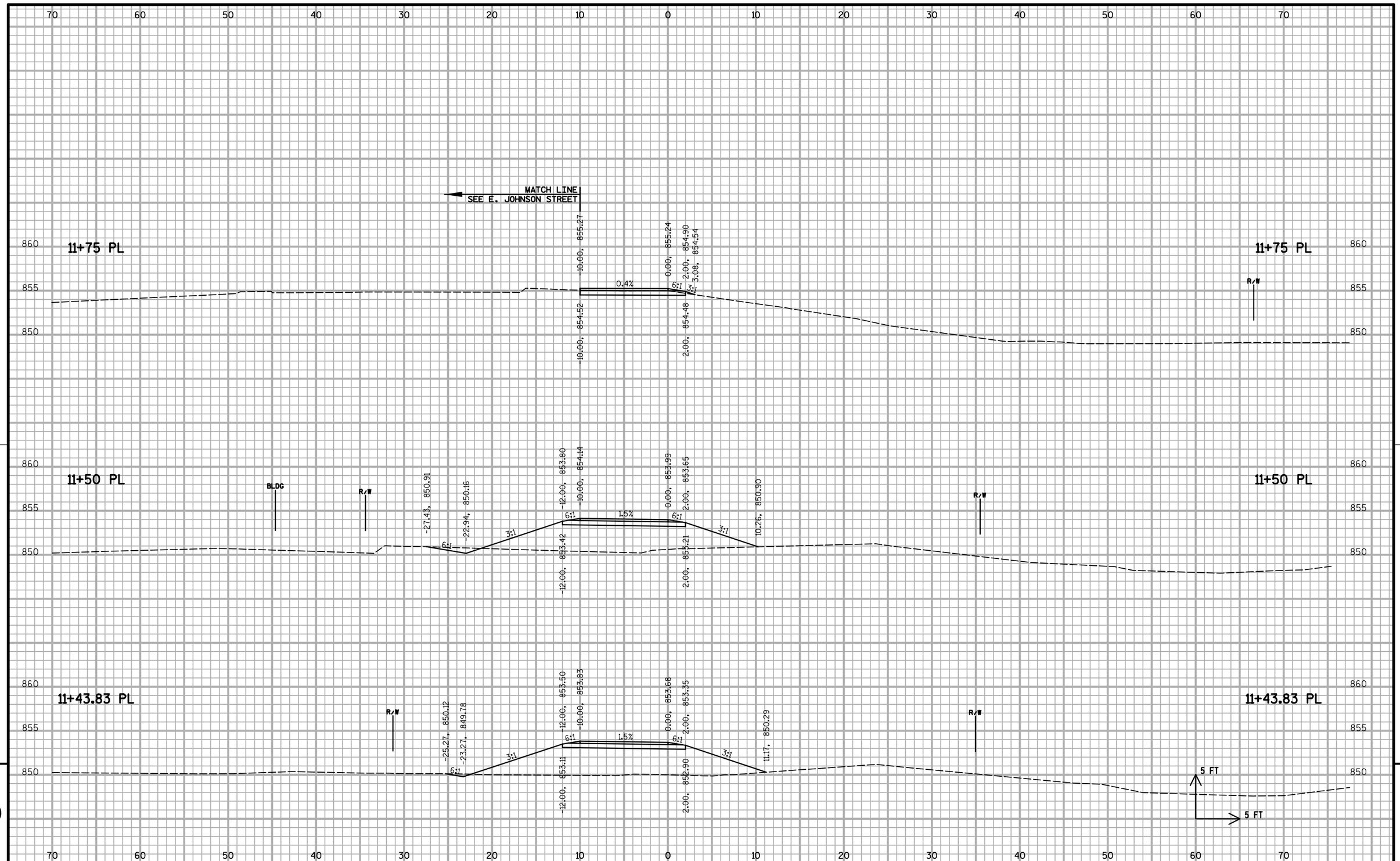
FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\083\Micros\Plan\090204_xs_pl.dgn PLOT DATE : 7/11/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 5992-09-14	HWY: E. JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS - PL LINE	SHEET	E



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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

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70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

MATCH LINE
SEE E. JOHNSON STREET

11+80.04 PL

11+80.04 PL

860
855
850

-10.00, 855.49
-10.00, 854.74
0.00, 855.49
2.00, 854.74
2.00, 855.16
2.01, 855.13

0.0%

6:1
6:1

5 FT
5 FT

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