SWL APRIL 2014

PROJECT ID: 5992-09-11
WITH: 5992-09-12 & 5992-09-13

COUNTY: DANE

ORDER OF SHEETS

Section No. 1 Title
Section No. 2 Typical Sections and Details (Includes Erosion Control)
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 = 474

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

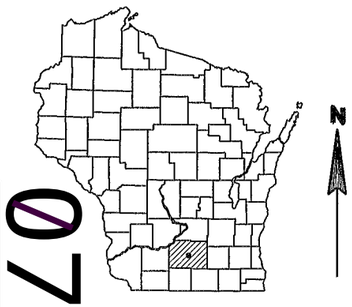
CITY OF MADISON, EAST JOHNSON STREET

(NORTH BUTLER STREET TO NORTH BALDWIN STREET)

LOCAL STREET

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-09-11	WISC 2014100	1
5992-09-12	———	—
5992-09-13	———	—



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N

STATE PROJECT NUMBER
5992-09-11
ROADWAY

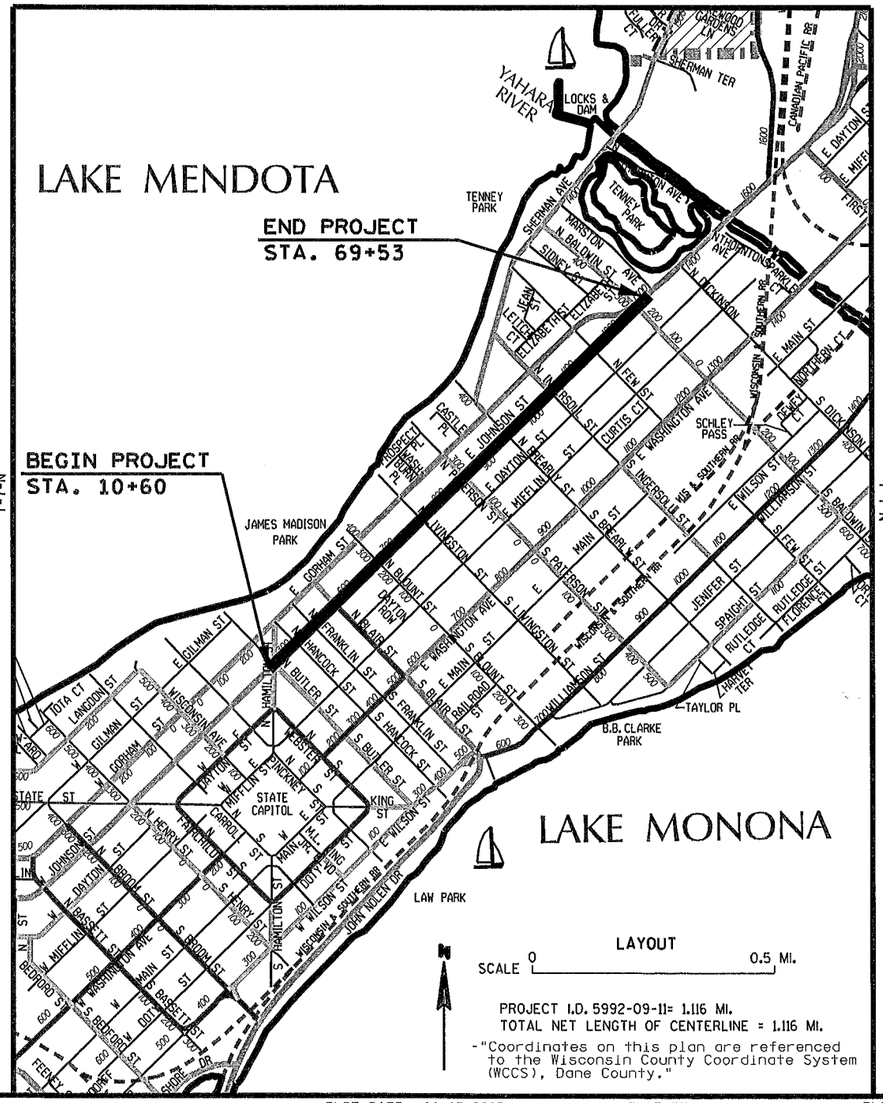
STATE PROJECT NUMBER
5992-09-12
LOCAL UTILITIES
(SANITARY SEWER)

STATE PROJECT NUMBER
5992-09-13
LOCAL UTILITIES
(WATER MAIN)

DESIGN DESIGNATION — E. JOHNSON STREET

A.A.D.T. (2014)	=	20,100
A.A.D.T. (2034)	=	23,500
D.H.V. (2034)	=	2,350
D.D.	=	100/0
T.	=	2.83%
DESIGN SPEED	=	30 MPH
ESALS	=	2,299,500

R-9-E



CONVENTIONAL SYMBOLS

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

SANITARY SEWER
DESIGNED BY: CITY OF MADISON

WISCONSIN — MARK D. MOLDER — E-33979 — MADISON WI — PROFESSIONAL ENGINEER
11/14/13

WATERMAIN
DESIGNED BY: CITY OF MADISON

WISCONSIN — 11-14-2013 — KELLY B. MIESS — E-41821 — MADISON WI — PROFESSIONAL ENGINEER

STREET LIGHTING/TRAFFIC SIGNALS
DESIGNED BY: CITY OF MADISON

WISCONSIN — BRIAN J. SMITH — E-37284 — MADISON WI — PROFESSIONAL ENGINEER
11-14-13

ACCEPTED FOR
CITY of MADISON
11/13/13 (Date) (City Engineer)

ORIGINAL PLANS PREPARED BY:
CITY OF MADISON
ENGINEERING DIVISION

WISCONSIN — GLEN E YOERGER — E-41148 — MADISON WIS. — PROFESSIONAL ENGINEER
DATE: 11/13/13 (Professional Engineer)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	BURSE SURVEYING & ENGINEERING
Designer	CITY OF MADISON
MANAGEMENT CONSULTANT	KJOHNSON ENGINEERS, INC.
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 11/22/13 Kimberly A. Johnson (Management Consultant Signature)

E

2

STANDARD ABBREVIATIONS

AC	ACRES
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
BK	BACK
BLK	BLOCK
BM	BENCHMARK
CL or C/L	CENTERLINE
Δ	CENTRAL ANGLE or DELTA
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
E	EAST
X	EAST GRID COORDINATE
EB	EASTBOUND
ET AL	AND OTHERS
EXIST	EXISTING
FT	FOOT
GN	GRID NORTH
IN	INCH
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LF	LINEAL FEET
LC	LONG CHORD
LCB	LONG CHORD BEARING
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
NO	NUMBER
PT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
POB	POINT OF BEGINNING
R	RADIUS
RP	RADIUS POINT
R	RANGE
RL or R/L	REFERENCE LINE
REQ'D	REQUIRED
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
SAN	SANITARY SEWER
S	SOUTH
SB	SOUTHBOUND
SQ	SQUARE
FT2	SQUARE FEET
STD	STANDARD
SEC	SECTION
STA	STATION
STM	STORM SEWER
STR	STRUCTURE
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T or TN	TOWN
TYP	TYPICAL
WM	WATERMAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CONSTRUCTION DETAILS - HAZARDOUS MATERIALS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
SANITARY SEWER
WATERMAIN
PERMANENT SIGNING
TRAFFIC SIGNALS & STREET LIGHT PLAN
MARKING PLAN
TRAFFIC CONTROL
ALIGNMENT OVERVIEW
PRIVATE UTILITY PLAN (NOT IN CONTRACT)

UTILITY CONTACTS

WATERMAIN:
CITY OF MADISON WATER UTILITY
ATTN: DENNIS CAWLEY
119 E. OLIN AVENUE
MADISON, WI 53713
PHONE: (608) 261-9243
FAX: (608) 266-4426
E-MAIL: dcawley@madisonwater.org

SANITARY SEWER:
CITY OF MADISON ENGINEERING DIVISION
ATTN: MARK MODER
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING JR. BOULEVARD
MADISON, WI 53703
PHONE: (608) 261-9250
FAX: (608) 264-9275
E-MAIL: mmoder@cityofmadison.com

ELECTRIC:
MG&E
ATTN: MARK BOHM
P.O. BOX 1231
MADISON, WI 53701-1231
PHONE: (608) 252-4730
E-MAIL: mbohm@mge.com

STORM SEWER:
CITY OF MADISON ENGINEERING DIVISION
ATTN: ERIC DUNDEE
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING JR. BOULEVARD
MADISON, WI 53703
PHONE: (608) 266-4913
FAX: (608) 264-9275
E-MAIL: edundee@cityofmadison.com

TRAFFIC SIGNALS & STREET LIGHTING:
CITY OF MADISON TRAFFIC ENGINEERING DIVISION
ATTN: BRIAN SMITH
MADISON MUNICIPAL BUILDING, SUITE 100
215 MARTIN LUTHER KING JR. BOULEVARD
MADISON, WI 53703
PHONE: (608) 261-9625
FAX: (608) 267-1158
E-MAIL: bsmith@cityofmadison.com

GAS:
MG&E
ATTN: STEVE BEVERSDORF
P.O. BOX 1231
MADISON, WI 53701-1231
PHONE: (608) 252-1552
E-MAIL: sbeversdorf@mge.com

MADISON GAS AND ELECTRIC (MG&E) 24-HOUR EMERGENCY NUMBER: 608-252-7111

ELECTRIC:
ATC
ATTN: CHRIS HANSHAW
2 FEN OAK COURT
MADISON, WI 53718-8810
PHONE: (608) 877-3636
E-MAIL: chanshaw@atcllc.com

CABLE TELEVISION:
CHARTER COMMUNICATIONS
ATTN: BRANDON STORM
2701 DANIELS ST.
MADISON, WI 53718
PHONE: (608) 274-3822 ex 6642
E-MAIL: brandon.storm@chartercom.com

TELEPHONE:
AT&T WISCONSIN
ATTN: CAROL ANASON
221 W. WASHINGTON ST., 4th FLOOR
APPLETON, WI 54911
PHONE: (608) 252-2385
E-MAIL: CA2624@att.com

TELEPHONE:
AT&T TRANSMISSION
ATTN: EMMET LUKASIK
316 W. WASHINGTON AVE., ROOM 209
MADISON, WI 53703
PHONE: (608) 252-2106
E-MAIL: el1345@att.com

COMMUNICATIONS:
CENTURYTEL, (LIGHTCORE)
ATTN: KYLE TOSTENSON
100 CENTURYLINK DR
MONROE, LA 71203
PHONE: (318) 417-2768
E-MAIL: kyle.tostenson@centurylink.com

COMMUNICATIONS:
WISCONSIN DEPARTMENT OF TRANSPORTATION
ATTN: MARIE TREAZISE
433 W ST PAUL 300
MILWAUKEE, WI 53203
PHONE: (414) 416-5387
E-MAIL: marie.treazise@dot.wi.gov

**NOT A MEMBER OF DIGGERS HOTLINE

DESIGN CONTACT

CITY OF MADISON
ATTN: GLEN YOERGER, P.E.
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING JR. BOULEVARD
MADISON, WI 53703
PHONE: (608) 261-9177
FAX: (608) 264-9275
E-MAIL: gyoerger@cityofmadison.com

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: ERIC HEGGELUND
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 275-3301
EMAIL: eric.heggelund@wisconsin.gov

GENERAL NOTES

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, BORDER SLOPES, ETC., MAY VARY WITHIN THE STATION LIMITS OF EACH SECTION.

ALL WORK IS TO BE COMPLETED WITHIN EXISTING STREET RIGHT-OF-WAY.

CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

ALL RADII DIMENSIONS ARE MEASURED TO THE FACE OF CURB UNLESS NOTED OTHERWISE.

CURB GRADES PROVIDED GIVE EDGE OF GUTTER ELEVATIONS UNLESS NOTED OTHERWISE.

OFFSETS FOR INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF STRUCTURE.

STORM SEWER PIPE REMOVALS IN PROPOSED STORM SEWER TRENCHES ARE NOT SHOWN IN THE STORM SEWER PLAN. REMOVALS ARE INCLUDED IN MISCELLANEOUS QUANTITIES.

ELEVATIONS GIVEN IN THE PLAN FOR STORM SEWER INLETS ARE DENOTED "TOC" AND ARE GIVEN TO THE TOP OF CURB AT THE INLET LOCATION.

ELEVATIONS GIVEN IN THE PLAN FOR STORM SEWER STRUCTURES ARE DENOTED "RIM" AND ARE GIVEN TO THE TOP OF CASTING AT THE STRUCTURE LOCATION.

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 AND 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.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE LIMITS OF PAVEMENT REMOVAL ON SIDE STREETS IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY 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.

ARCHITECTURAL CONCRETE PAVEMENT 5-INCH SHALL BE INSTALLED IN MEDIAN AREAS WITH A WIDTH OF 6 FEET OR LESS FROM BACK OF CURB TO BACK OF CURB.

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 DISTURBANCE TO WITHIN 6" OF THE SIDEWALK AND RESTORE WITH TOPSOIL & 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 ALSO.

CURB RAMPS SHALL BE TYPE 2 UNLESS OTHERWISE NOTED. CONCRETE SIDEWALK FOR CURB RAMPS SHALL BE CONCRETE SIDEWALK, 7-INCH.

CONCRETE SIDEWALK FOR BUS STOPS SHALL BE CONCRETE SIDEWALK, 7-INCH.

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

ACCESS TO COMMERCIAL PARKING LOTS (4 OR MORE PARKING SPACES) MUST BE MAINTAINED AT ALL TIMES. ACCESS MAY BE MAINTAINED BY RECONSTRUCTING MULTIPLE DRIVE ENTRANCES ONE AT A TIME, CONSTRUCTING DRIVE APRONS ONE HALF AT A TIME OR BY PLATING THE WORK AT DRIVE ENTRANCES.

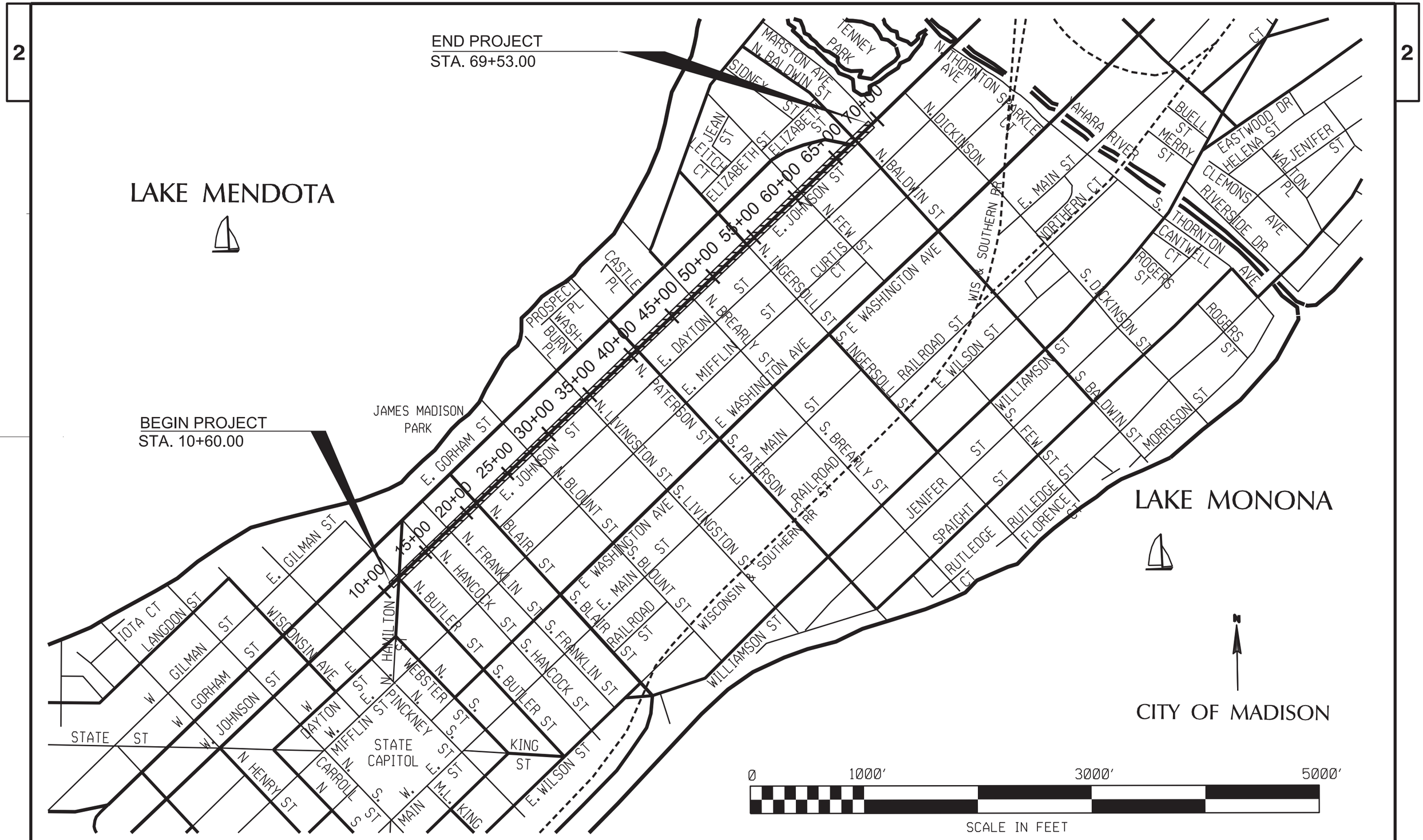
EXISTING PAVEMENT ON EAST JOHNSON ST FROM N BUTLER ST TO APPROXIMATELY 300 FEET SOUTHWEST OF N BALDWIN ST CONSISTS OF 6" OF UNREINFORCED CONCRETE PAVEMENT OVERLAID WITH 2" OF ASPHALT PAVEMENT. EXISTING CONCRETE PAVEMENT ON EAST JOHNSON ST FROM 300 FEET SOUTHWEST OF N BALDWIN ST TO THE EASTERN PROJECT LIMIT CONSISTS OF 9" OF CONCRETE PAVEMENT, REINFORCED WITH DOWEL BARS AND PAVEMENT TIES AT THE JOINTS.

SIDE STREET PAVEMENT STRUCTURE SHALL BE THE SAME AS THE MAINLINE PAVEMENT STRUCTURE UNLESS NOTED OTHERWISE IN THE PLAN.

HMA PAVEMENT, WHEN INDICATED ON THE PLANS, SHALL CONSIST OF THE FOLLOWING COURSES UNLESS NOTED OTHERWISE ON THE PLANS:

5¾"TOTAL DEPTH	TYPE	SIZE GRADATION	PERFORMANCE GRADE
3¾" LOWER	E-3	19 mm	PG64-22
2" UPPER	E-3	12.5 mm	PG64-28

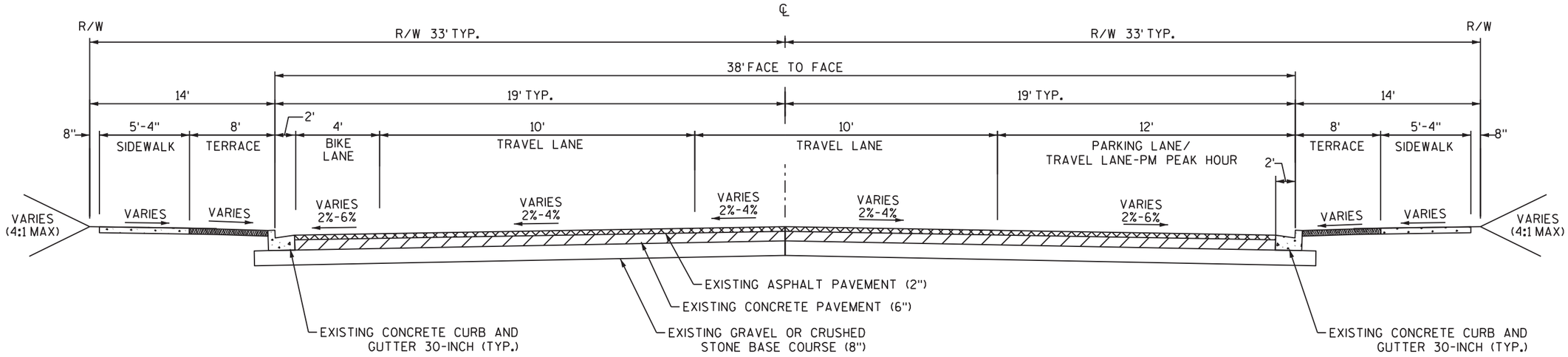
DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

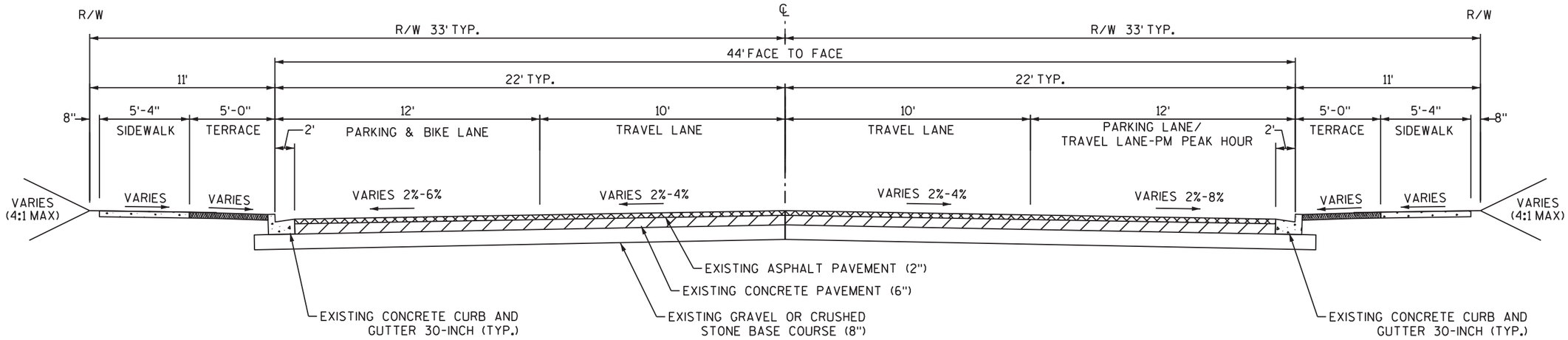
FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\90% Plans\DGNs\Overview.dgn PLOT DATE : 9/4/2013 PLOT BY : engey PLOT NAME : PLOT SCALE : 250.0000 sf / in.

WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

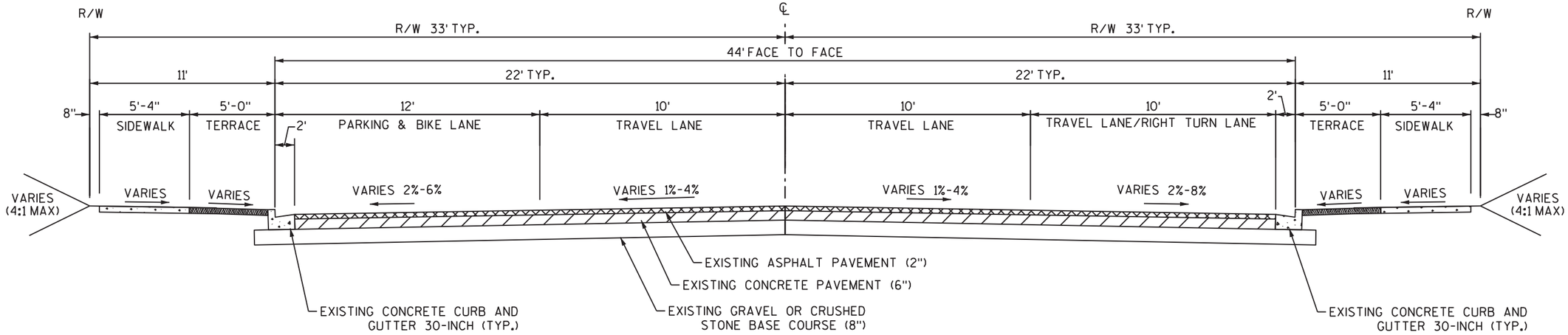
STA. 10+60 to STA. 11+50
(BEGIN PROJECT to N. BUTLER ST)



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

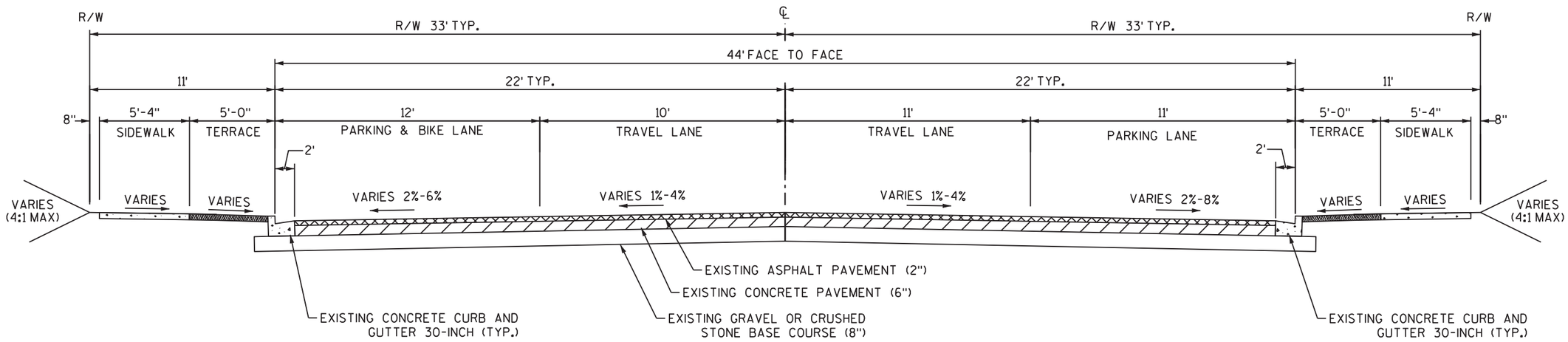
STA. 11+50 to STA. 17+50
(N. BUTLER to N. FRANKLIN ST)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 4	E



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

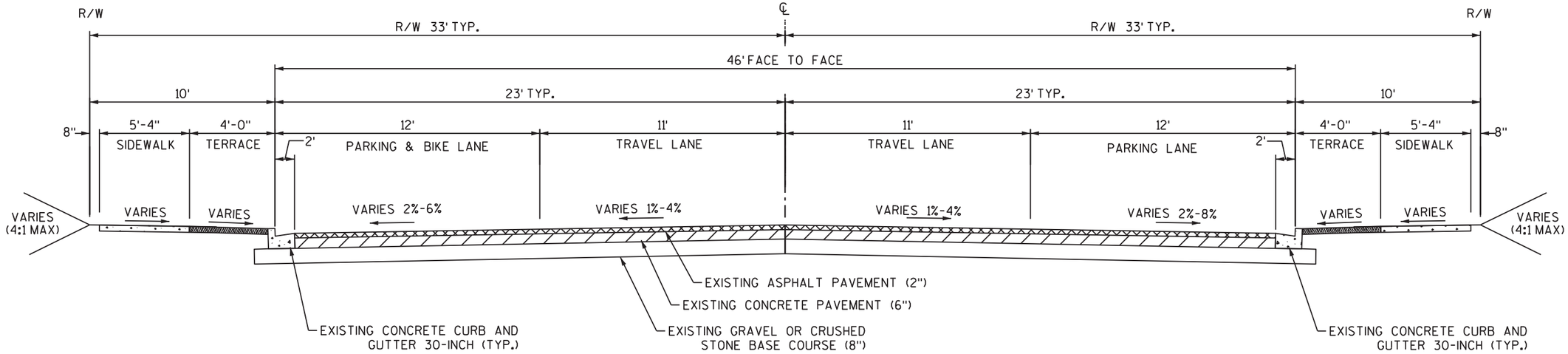
STA. 17+50 to STA. 20+80
(N. FRANKLIN ST to N. BLAIR ST)



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

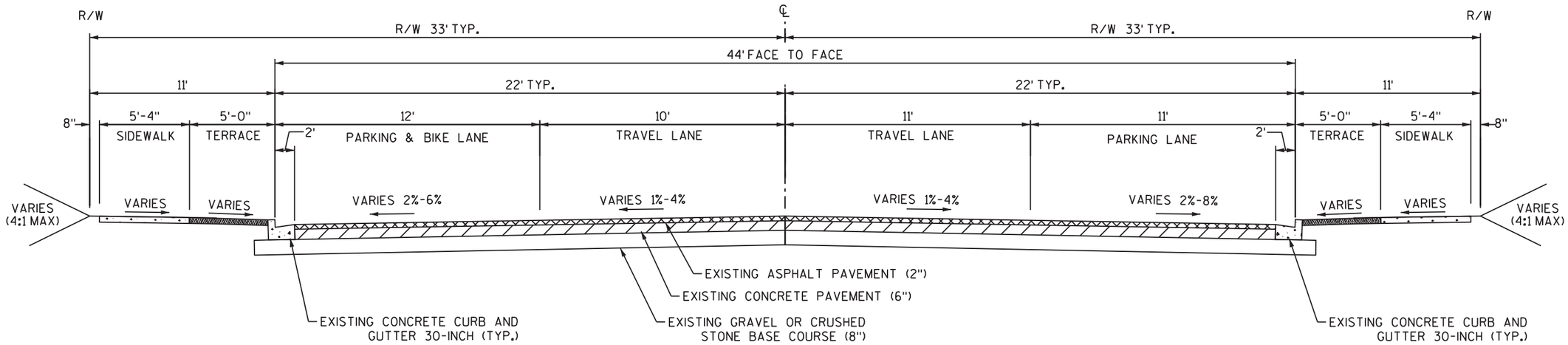
STA. 20+80 to STA. 34+00
(N. BLAIR ST to N. LIVINGSTON ST)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 5	E



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

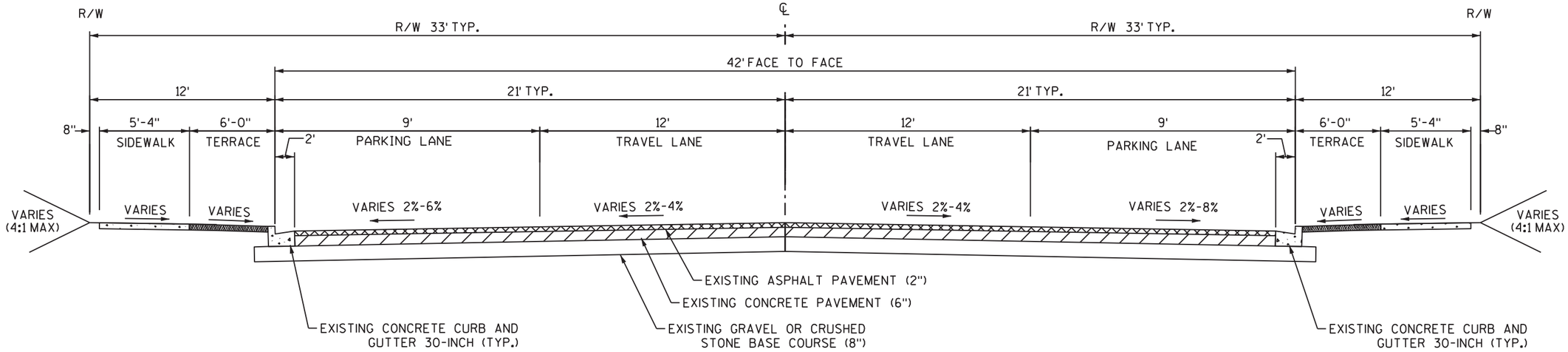
STA. 34+00 to STA. 40+60
(N. LIVINGSTON ST TO N. PATERSON ST)



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

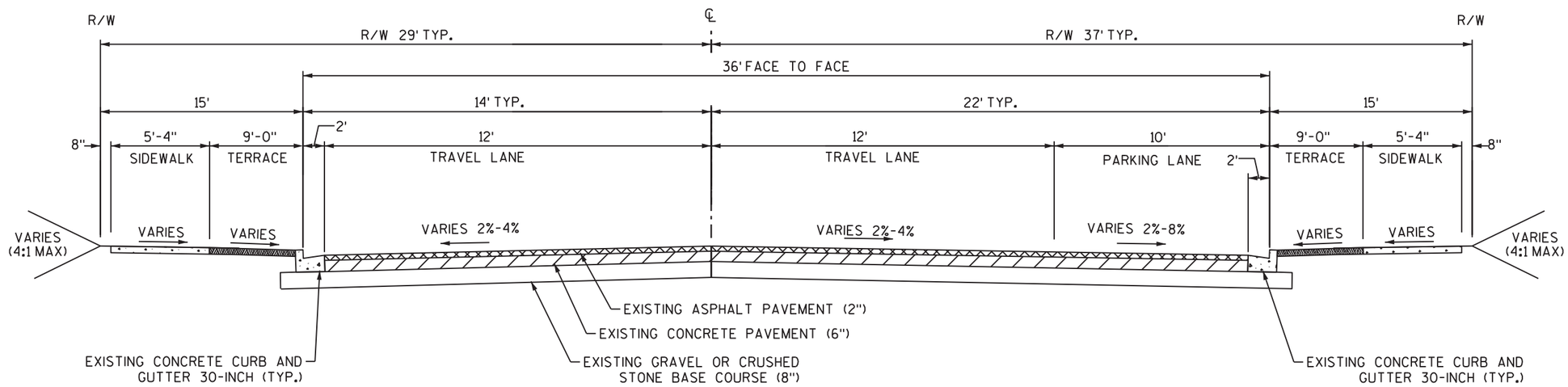
STA. 40+60 to STA. 47+20
(N. PATERSON ST TO N. BREARLY ST)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 6	E



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

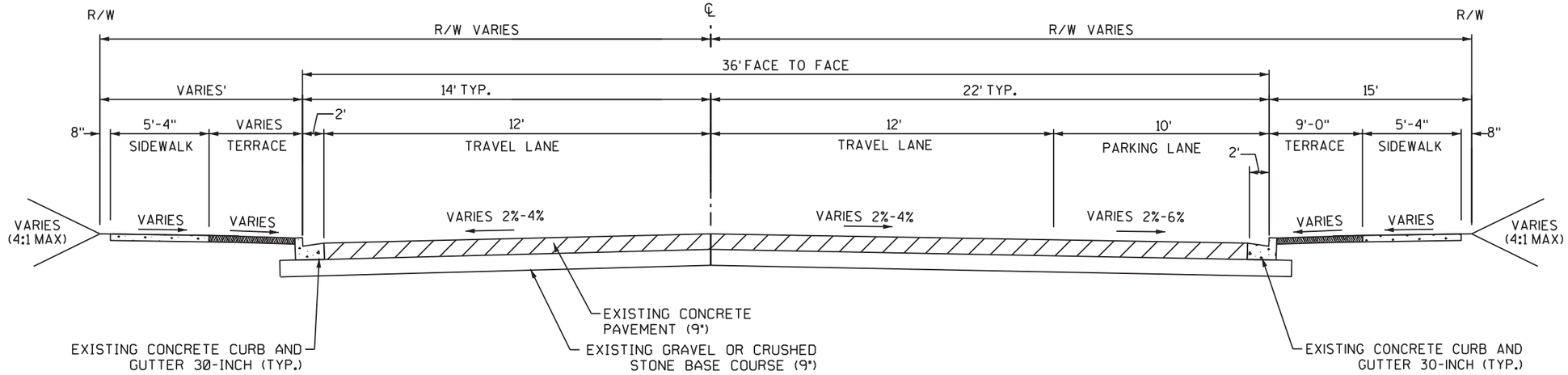
STA. 47+20 to STA. 60+45
(N. BREARLY ST TO N. FEW ST)



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

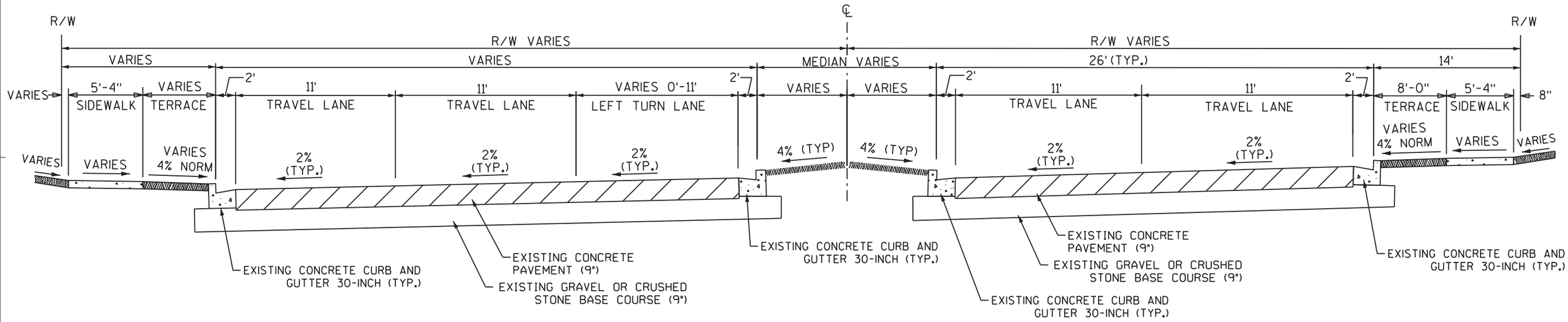
STA. 60+45 to STA. 63+80
(N. FEW ST to STA. 63+80)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 7	E



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

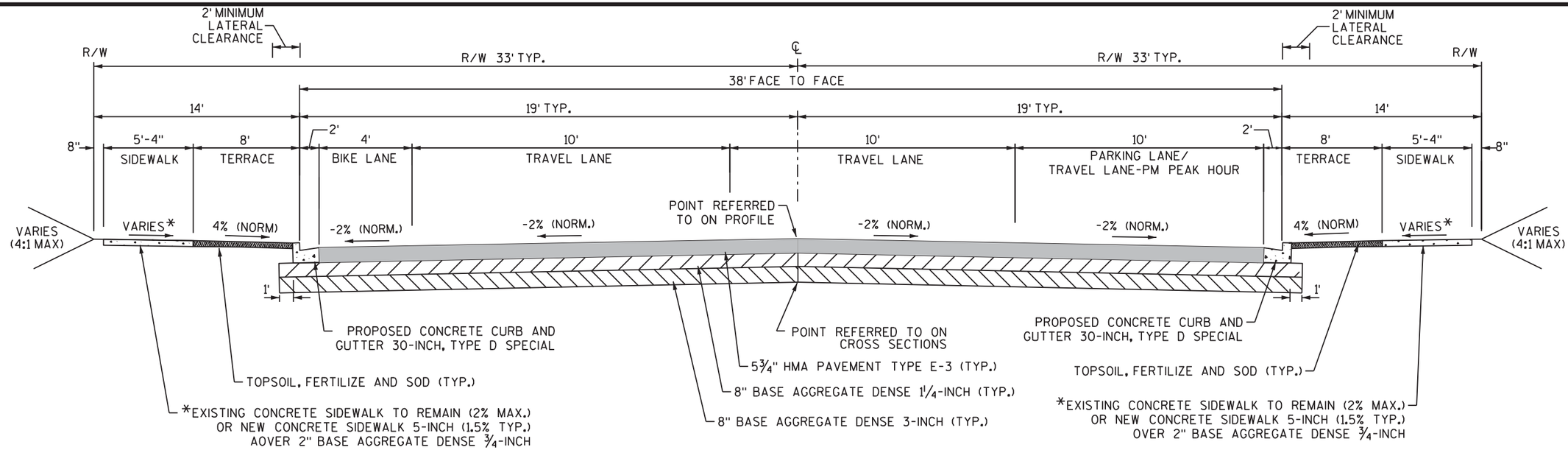
STA. 63+80 to STA. 67+00
(STA. 63+80 to N. BALDWIN ST)



EXISTING TYPICAL SECTION - EAST JOHNSON STREET

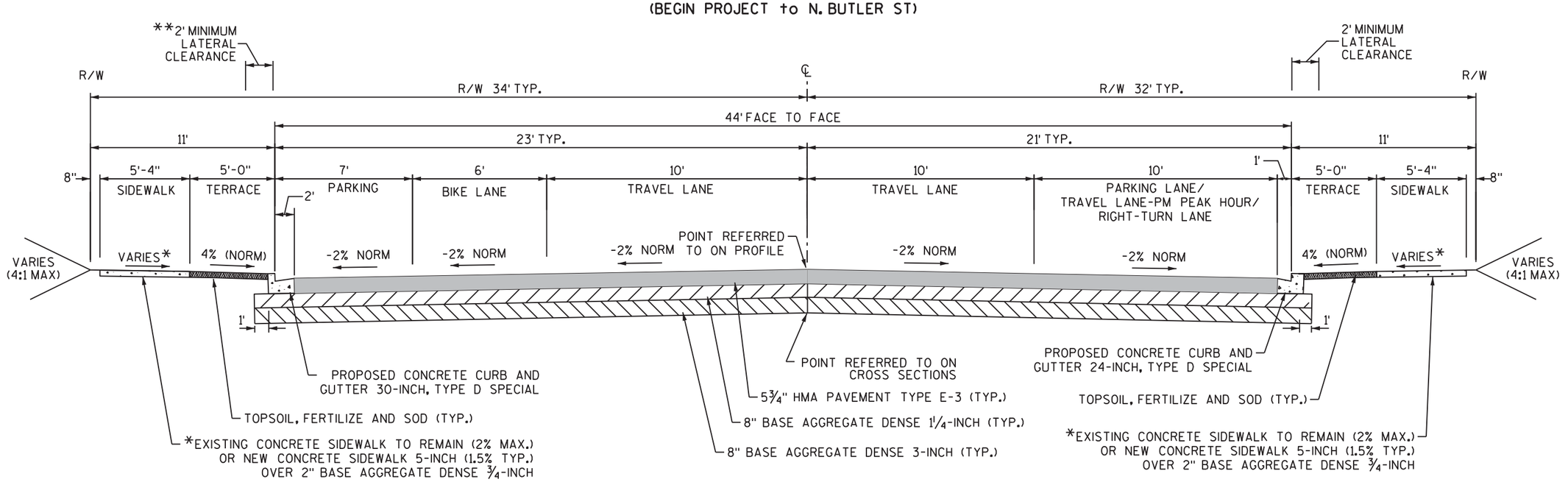
STA. 67+00 to STA. 69+53
(N. BALDWIN ST to EAST TERMINUS)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 8	E



PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

STA. 10+60 to STA. 11+50
(BEGIN PROJECT to N. BUTLER ST)

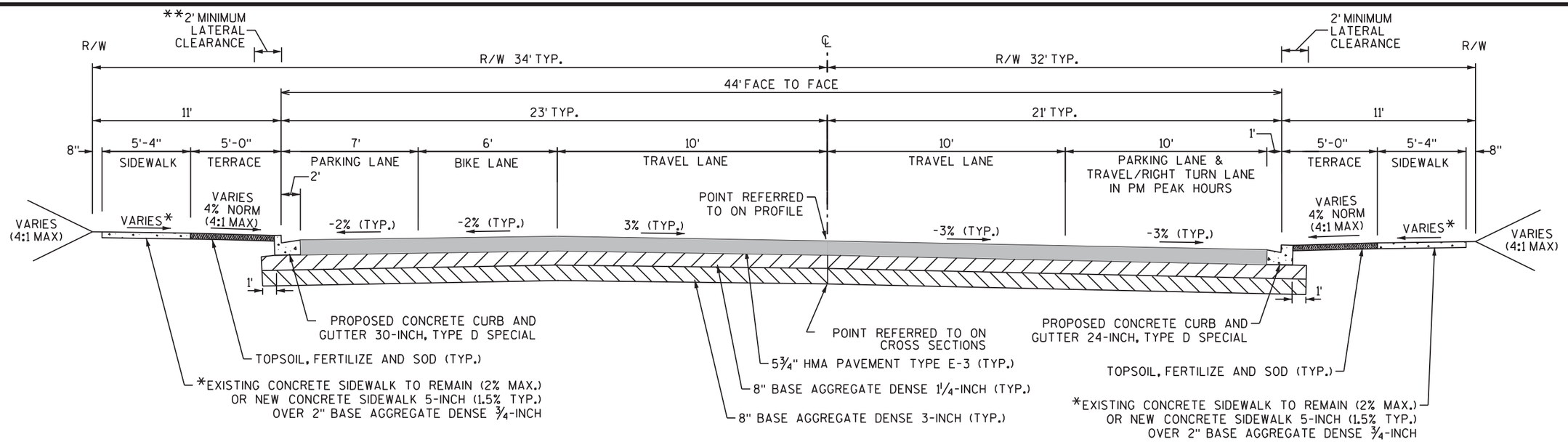


PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

STA. 11+50 to STA. 14+80
(N. BUTLER ST to N. HANCOCK ST)

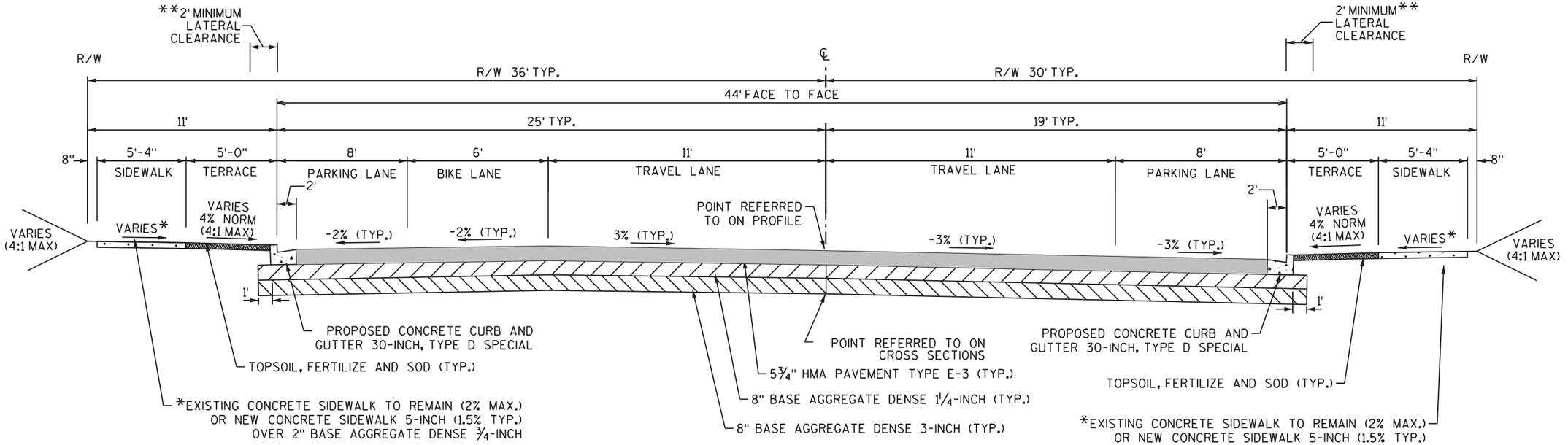
**NOTE: MINIMUM LATERAL CLEARANCE PER FDM IS NOT AVAILABLE AT SPOT LOCATIONS. EXISTING STREET TREES ENCROACH TO A MINIMUM OF 1 FOOT FROM FACE OF CURB.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PROPOSED TYPICAL SECTIONS	SHEET 9	E



PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

STA. 14+80 to STA. 20+80
(N. HANCOCK ST to N. BLAIR ST)

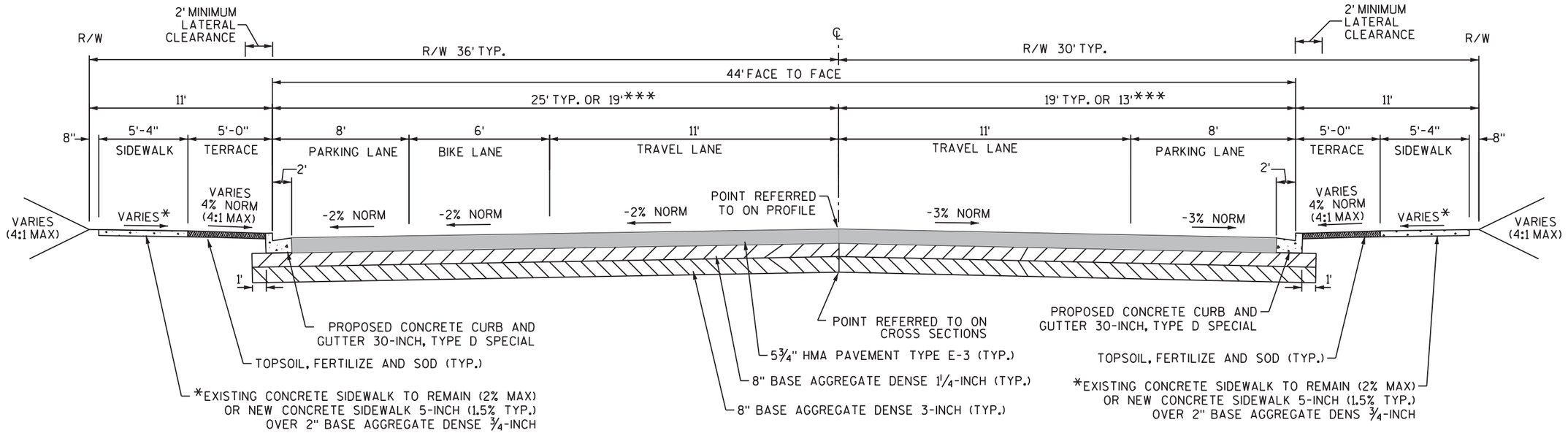


PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

STA. 20+80 to STA. 33+25
(N. BLAIR ST to N. LIVINGSTON ST)

**NOTE: MINIMUM LATERAL CLEARANCE PER FDM IS NOT AVAILABLE AT SPOT LOCATIONS. EXISTING STREET TREES ENCROACH TO A MINIMUM OF 1 FOOT FROM FACE OF CURB.

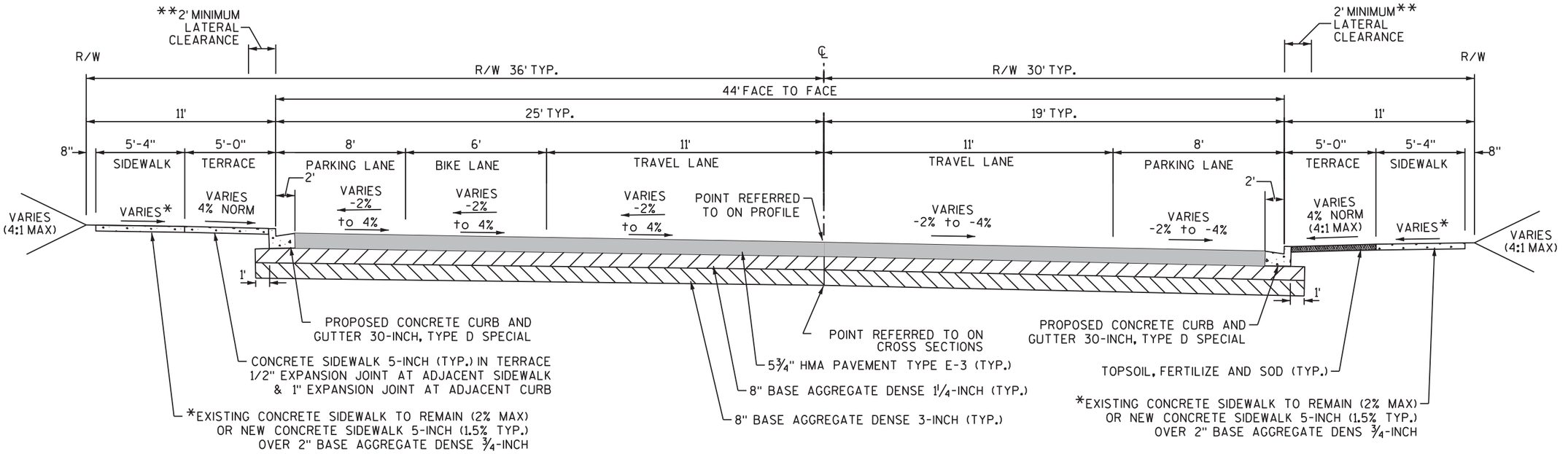
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PROPOSED TYPICAL SECTIONS	SHEET 10	E



PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

STA. 33+25 to STA. 40+60

(N. LIVINGSTON ST to N. PATERSON ST)



PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

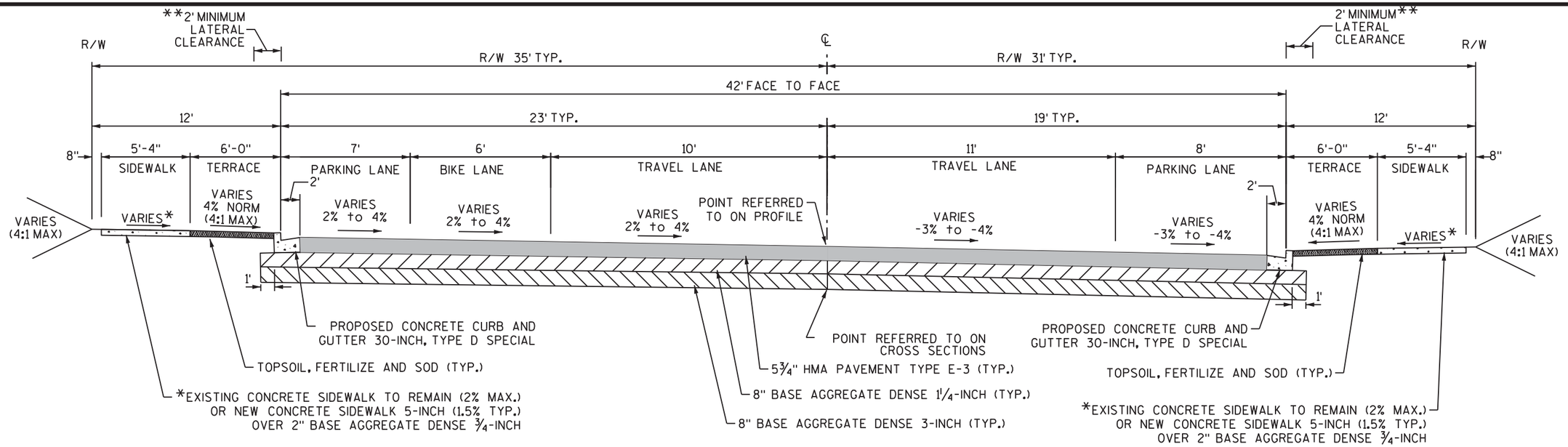
STA. 40+60 to STA. 47+25

(N. PATERSON ST to N. BREARLY ST)

**NOTE: MINIMUM LATERAL CLEARANCE PER FDM IS NOT AVAILABLE AT SPOT LOCATIONS. EXISTING STREET TREES ENCROACH TO A MINIMUM OF 1 FOOT FROM FACE OF CURB.

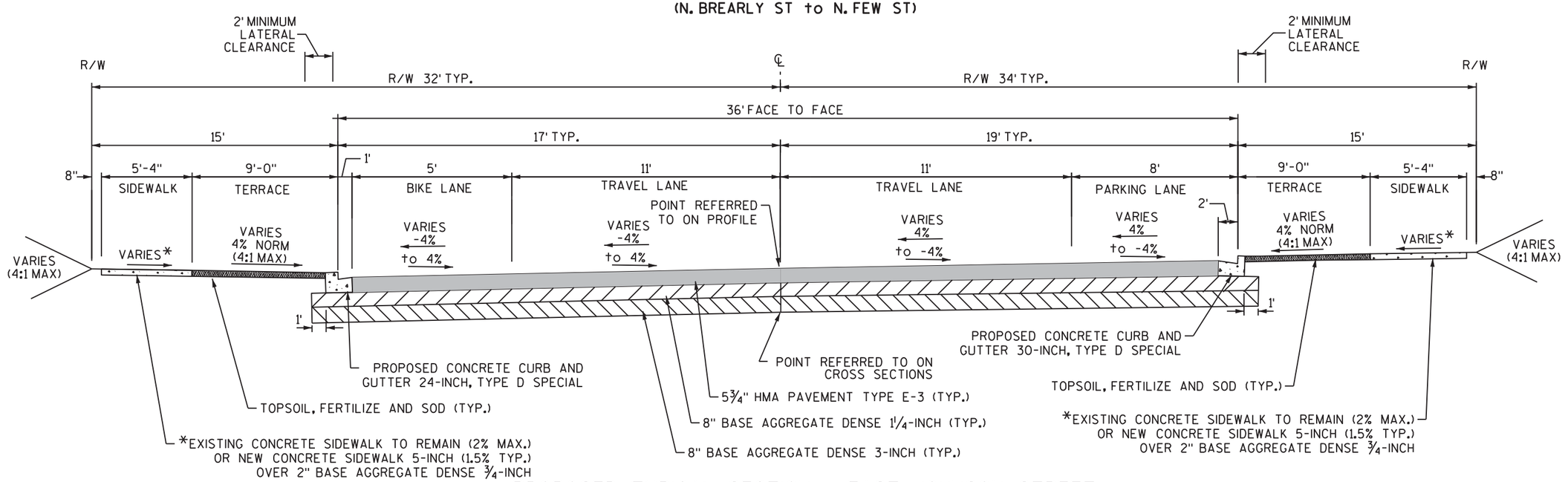
***NOTE: NARROWER WIDTHS ARE LOCATED FROM STA. 37+00 TO STA. 38+00

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PROPOSED TYPICAL SECTIONS	SHEET 11	E



PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

STA. 47+25 to STA. 60+45
(N. BREARLY ST to N. FEW ST)

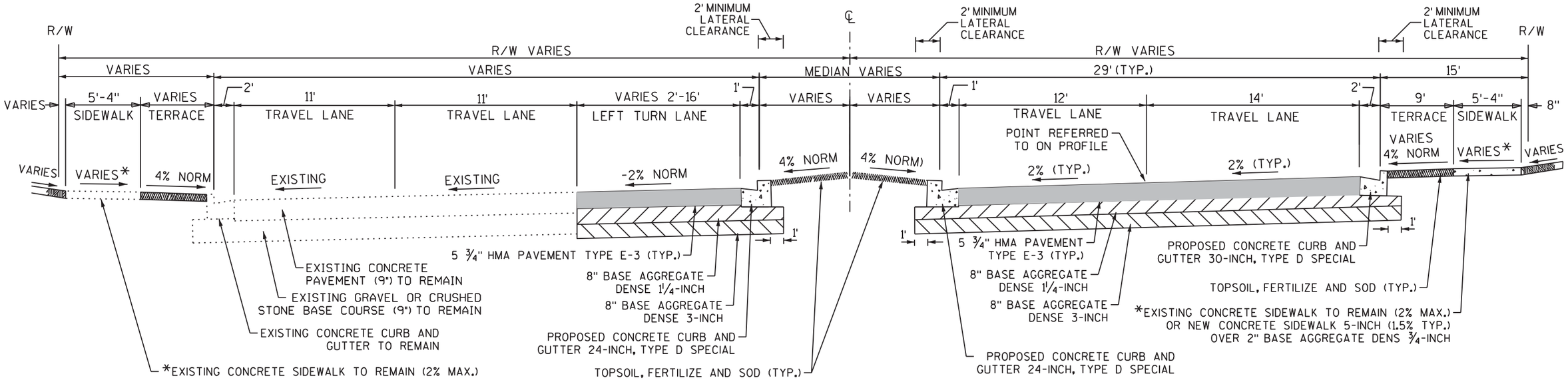


PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

STA. 60+45 to STA. 67+00
(N. FEW ST to N. BALDWIN ST)

**NOTE: MINIMUM LATERAL CLEARANCE PER FDM IS NOT AVAILABLE AT SPOT LOCATIONS. EXISTING STREET TREES ENCROACH TO A MINIMUM OF 1 FOOT FROM FACE OF CURB.

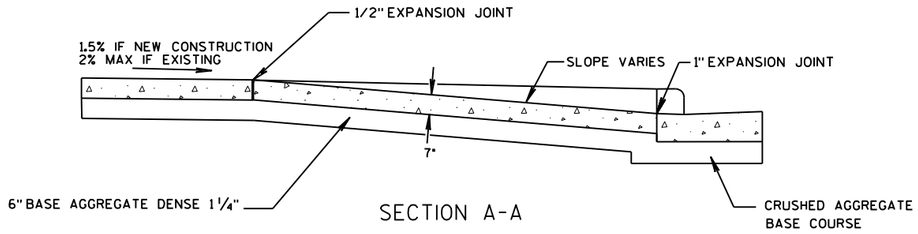
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PROPOSED TYPICAL SECTIONS	SHEET 12	E



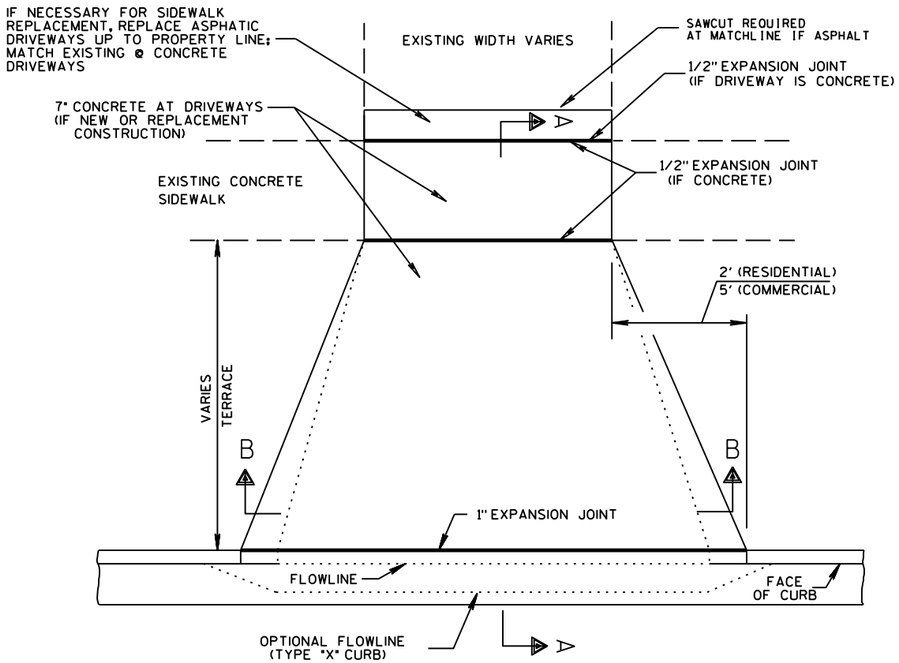
PROPOSED TYPICAL SECTION - EAST JOHNSON STREET

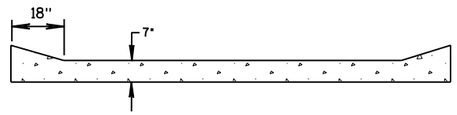
STA. 67+00 to STA. 69+53
(N. BALDWIN ST to EAST TERMINUS)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PROPOSED TYPICAL SECTIONS	SHEET 13	E



SECTION A-A

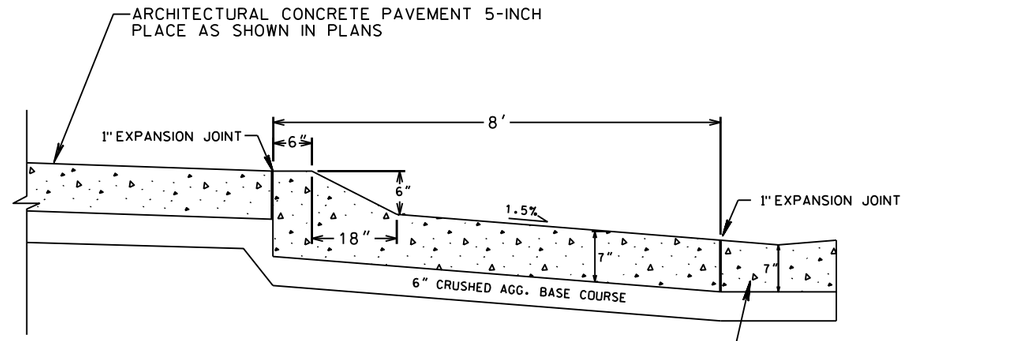




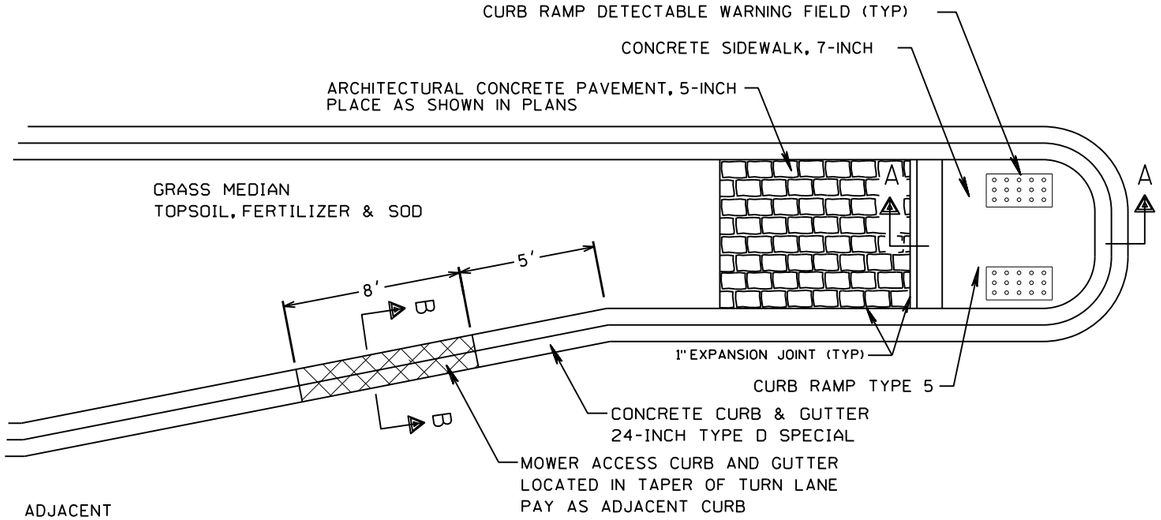
SECTION B-B

CONCRETE DRIVE APRON DETAIL

NOT TO SCALE



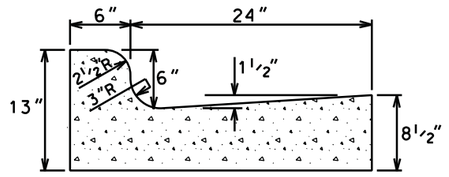
SECTION A-A



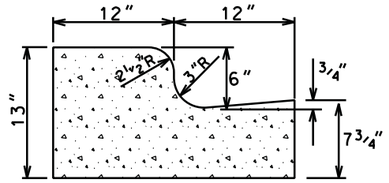
SECTION B-B

MEDIAN NOSE DETAIL

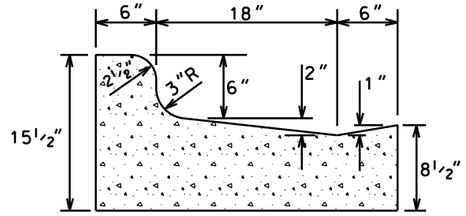
NOT TO SCALE



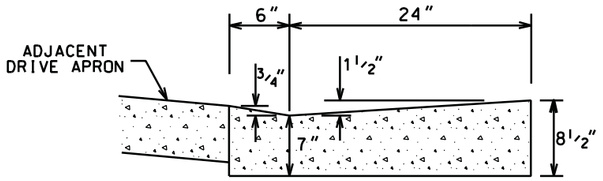
CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL
(CITY OF MADISON TYPE 'A' CURB & GUTTER)
NOT TO SCALE



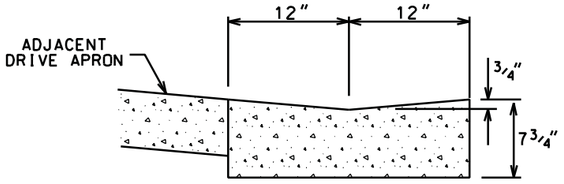
CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL
(CITY OF MADISON TYPE 'H' CURB & GUTTER)
NOT TO SCALE



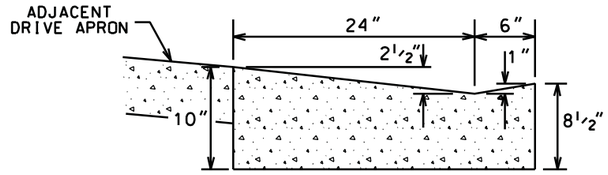
CONCRETE CURB AND GUTTER 30-INCH TYPE X SPECIAL
(CITY OF MADISON TYPE 'X' CURB & GUTTER)
NOT TO SCALE



DRIVEWAY SECTION
CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL
(CITY OF MADISON TYPE 'A' CURB & GUTTER)
NOT TO SCALE



DRIVEWAY SECTION
CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL
(CITY OF MADISON TYPE 'H' CURB & GUTTER)
NOT TO SCALE



DRIVEWAY SECTION
CONCRETE CURB AND GUTTER 30-INCH TYPE X SPECIAL
(CITY OF MADISON TYPE 'X' CURB & GUTTER)
NOT TO SCALE

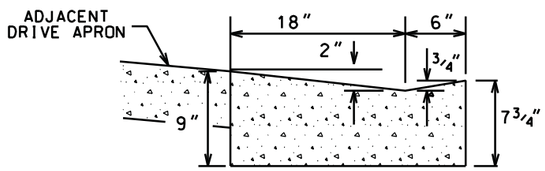
GENERAL NOTES:

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

EXPANSION JOINTS SHALL BE PLACED 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 CRUSHED STONE

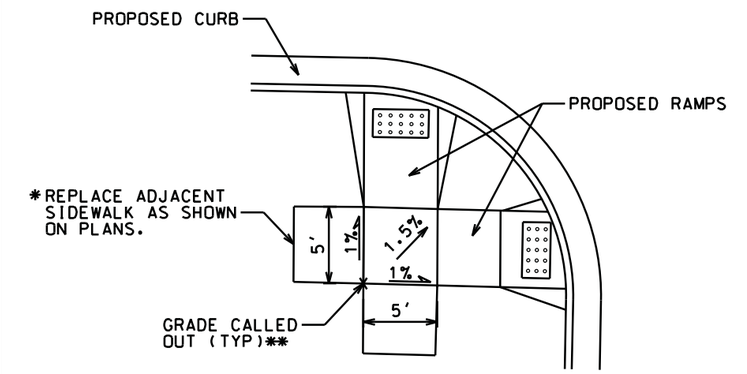
TRANSITIONS BETWEEN TYPE D CURB AND TYPE X CURB ARE TO BE MADE OVER A MINIMUM AS 6 FT. LENGTHEN TRANSITIONS AS NECESSARY TO MAINTAIN DRAINAGE ALONG THE FLOW LINE. PAY THESE TRANSITIONS AS THE TYPE X CURBS OR AS NOTED.



DRIVEWAY SECTION
CONCRETE CURB AND GUTTER 24-INCH TYPE X SPECIAL
NOT TO SCALE

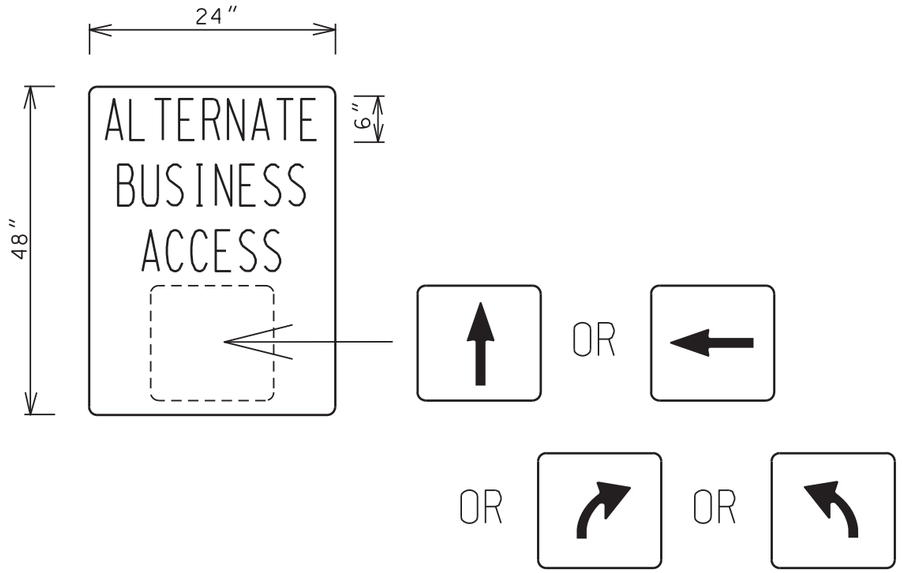
* ADJACENT SIDEWALK REPLACEMENT MAY BE NECESSARY TO MATCH PROPOSED GRADES AND DIMENSIONS

** SET GRADES PER THIS DETAIL UNLESS ADDITIONAL GRADES ARE GIVEN



TYPICAL SIDEWALK RAMP GRADES DETAIL
NOT TO SCALE

CONCRETE CURB AND GUTTER DETAILS



NOTES:

1. ALTERNATE BUSINESS ACCESS SIGNING TO BE PAID FOR AS TRAFFIC CONTROL SIGN FIXED MESSAGE

2. LEAVE SPACE BELOW SIGN ON POST FOR ATTACHMENT OF BUSINESS NAME SIGNS (PROVIDED BY OTHERS)

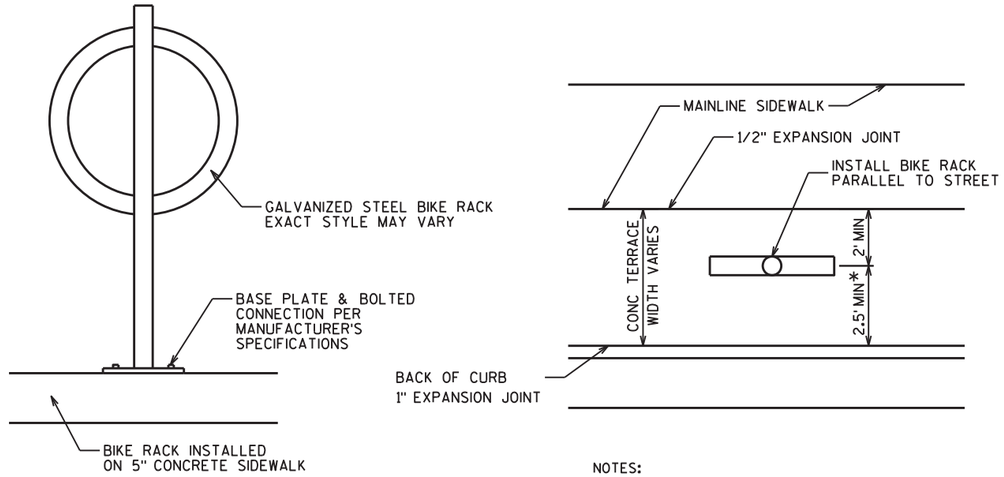
3. DO NOT MOUNT ON TO ANY EXISTING SIGN POST OR WITH ANY OTHER SIGN

4. SIGNS SHALL BE BLACK LETTERS AND ARROWS ON WHITE BACKGROUND

5. PLACE SIGNS AS DIRECTED BY THE ENGINEER ON A TEMPORARY SIGN SUPORRT AND MOVE SIGNS AS NECESSARY DURING STAGING CHANGES TO MAINTAIN VISIBILITY OF SIGN

TRAFFIC CONTROL SIGN FIXED MESSAGE DETAIL

NOT TO SCALE



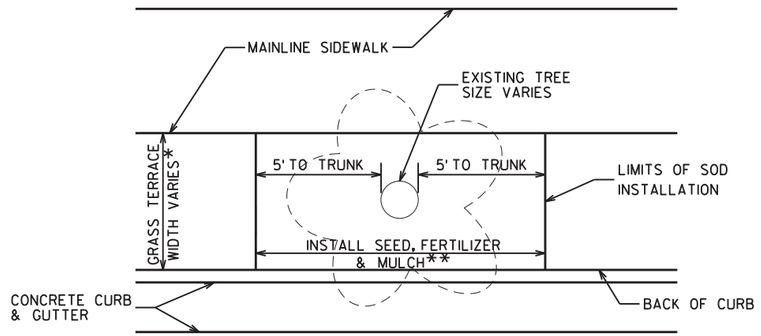
NOTES:

* WHERE CONCRETE TERRACE IS 5' WIDE OR WIDER, CENTER BIKE RACK IN TERRACE

** IF TWO RACKS ARE INSTALLED WITHIN A WIDER TERRACE, MAINTAIN A MINIMUM OF 5 FT. BETWEEN THE RACKS WHILE MAINTAINING THE MINIMUM DIMENSIONS NOTED ON THIS DETAIL.

BIKE RACK DETAIL

NOT TO SCALE



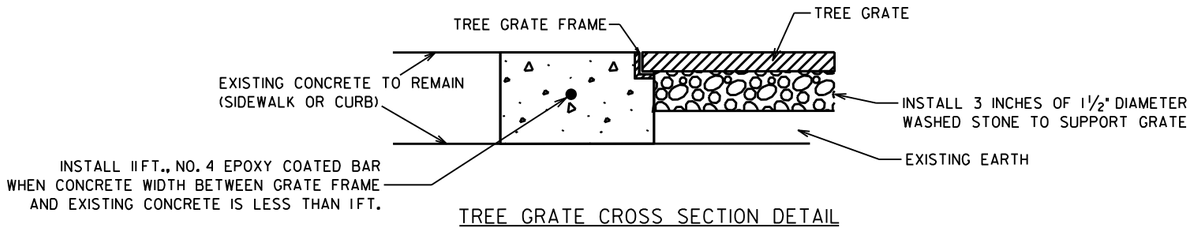
NOTES:

* IF THERE IS MORE THAN 5' BETWEEN THE TREE TRUNK AND CURB, SOD WILL BE INSTALLED FROM THE CURB TO WITHIN 5' OF THE TRUNK.

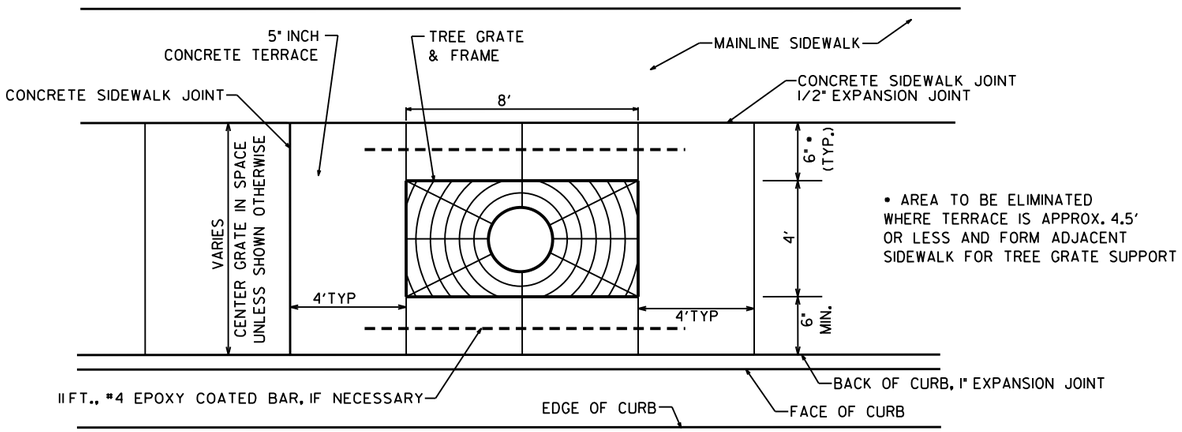
** INSTALL MINIMAL TOPSOIL IN SEEDED AREAS. INSTALL TOPSOIL ONLY AS NECESSARY TO PROVIDE AN EVEN GRADE ACROSS THE TERRACE. DO NOT EXCAVATE TO INSTALL TOPSOIL AS THIS CAN DAMAGE ROOTS

SEEDING AT EXISTING TREES DETAIL

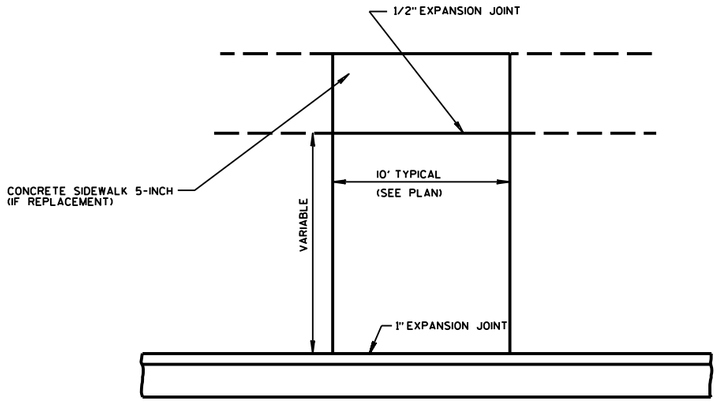
NOT TO SCALE



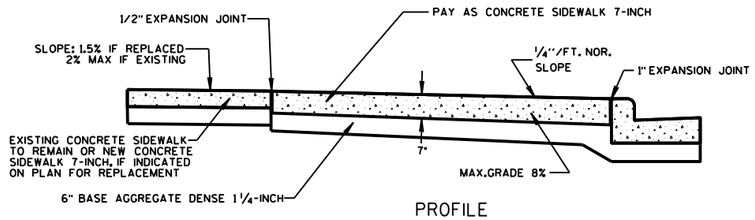
TREE GRATE CROSS SECTION DETAIL
NOT TO SCALE



TREE GRATE DETAIL
NOT TO SCALE

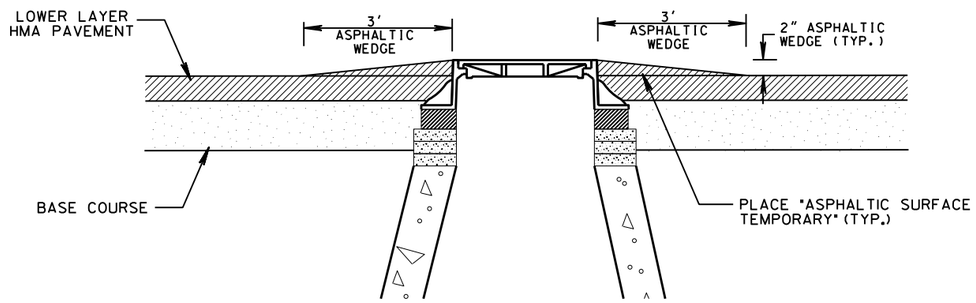


PLAN



PROFILE

BUS BOARDING PAD DETAIL
NOT TO SCALE

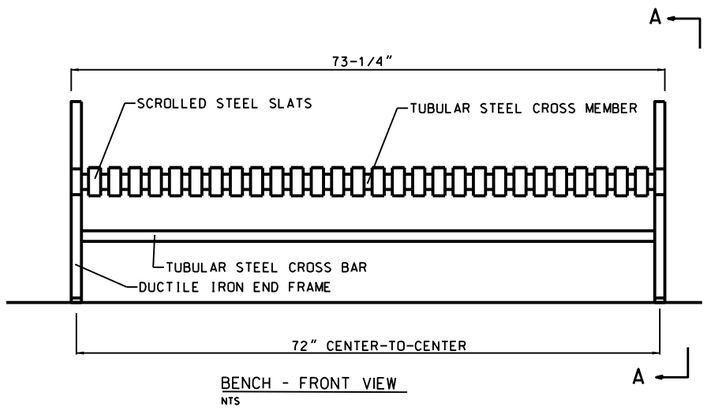


NOTES:

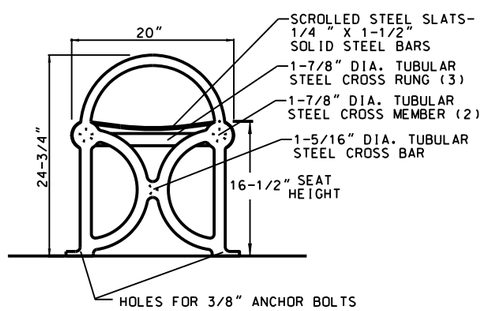
PROVIDE ASPHALTIC WEDGES PRIOR TO OPENING LANE TO TRAFFIC

PRIOR TO SURFACE PAVING, REMOVE ALL ASPHALTIC WEDGES DOWN TO THE TOP OF THE LOWER LAYER OF HMA PAVEMENT. REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVE ASPHALTIC SURFACE BUTT JOINTS"

TEMPORARY WEDGING DETAIL
NOT TO SCALE



BENCH - FRONT VIEW
NTS



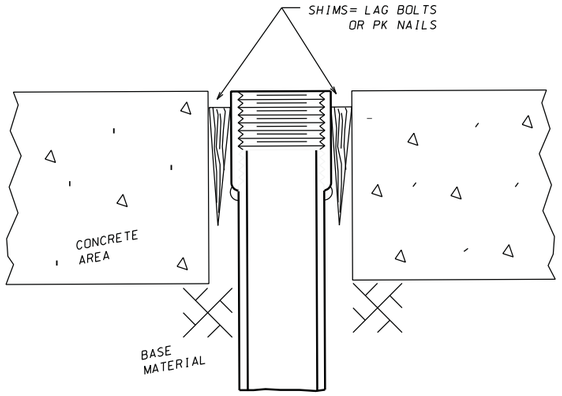
BENCH - SIDE VIEW SECTION A-A
NTS

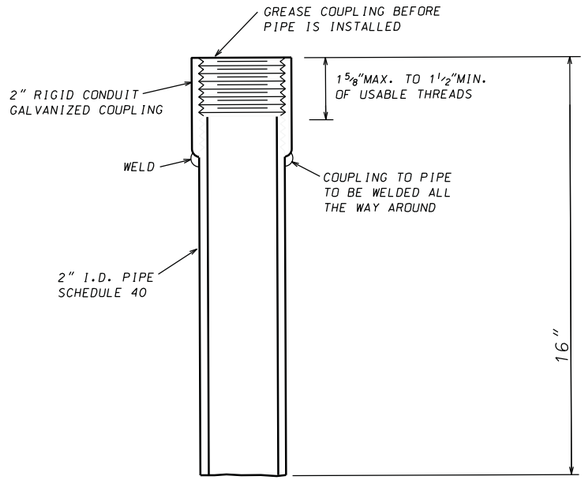
BUS STOP BENCH DETAIL
NOT TO SCALE

ALL STEEL PARTS TO BE ELECTROSTATICALLY POWDERCOATED

POWDER COATING COLOR: RAL 9004, 80-90% GLOSS

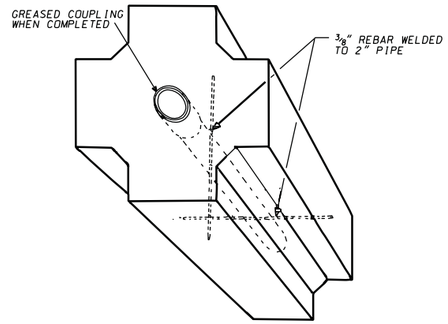
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 17	E

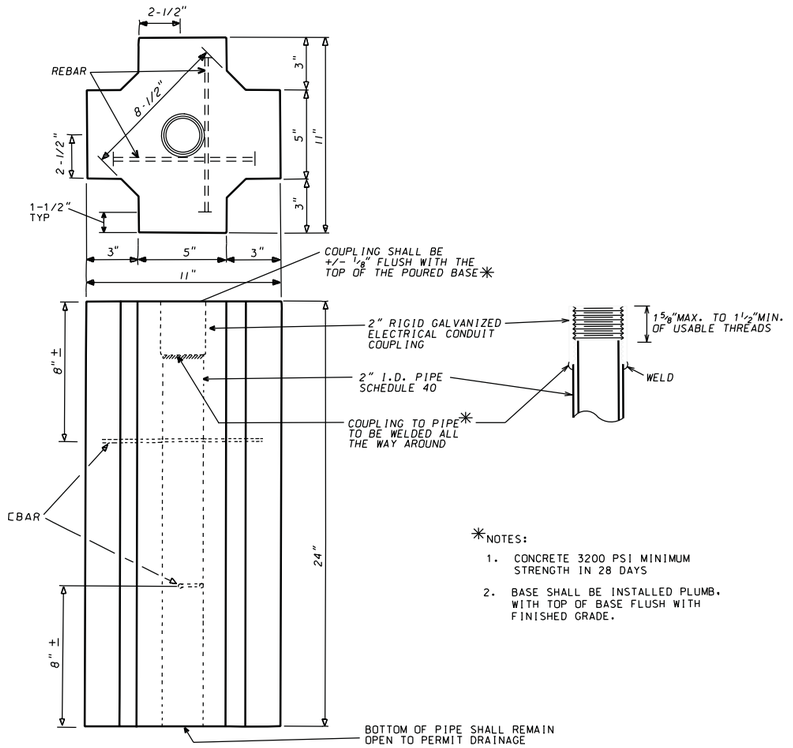




SIGN POST FOR CONCRETE INSTALLATION:
Drill or Coredrill 3" hole all the way through the concrete to the base material. With a temporary pipe 4 feet to 5 feet long, hand-tighten it into the insert (see Insert detail). Drive the insert into the base material at a level/plumb position, until the insert is flush with the top of the concrete. Now shim insert to a level/plumb position. Shims = different sizes of lag bolts or P.K. nails depend on level/plumb position of pipe. Also all shims must be set below the concrete/insert. Remove temporary pipe, replace with permanent pipe, tighten into insert with large pipe wrench until insert turns, then reset shims/or add shims until pipe no longer turns. Retighten pipe, recheck level/plumb/top of concrete with insert. Mix up a patch of Thorogrip® which is a waterproof anchoring cement for concrete. For the installation, Thorogrip should be mixed up in a liquid consistency, not a paste. Around the outside of the concrete hole, pour the Thorogrip until it is flush with the top of the insert. Recheck level/plumb/top of concrete with insert right away since Thorogrip is a fast-setting anchoring cement. May need to add more Thorogrip as it settles and no shims are showing when installation is complete. Installation needs to be level/plumb, solid and strong when completed.

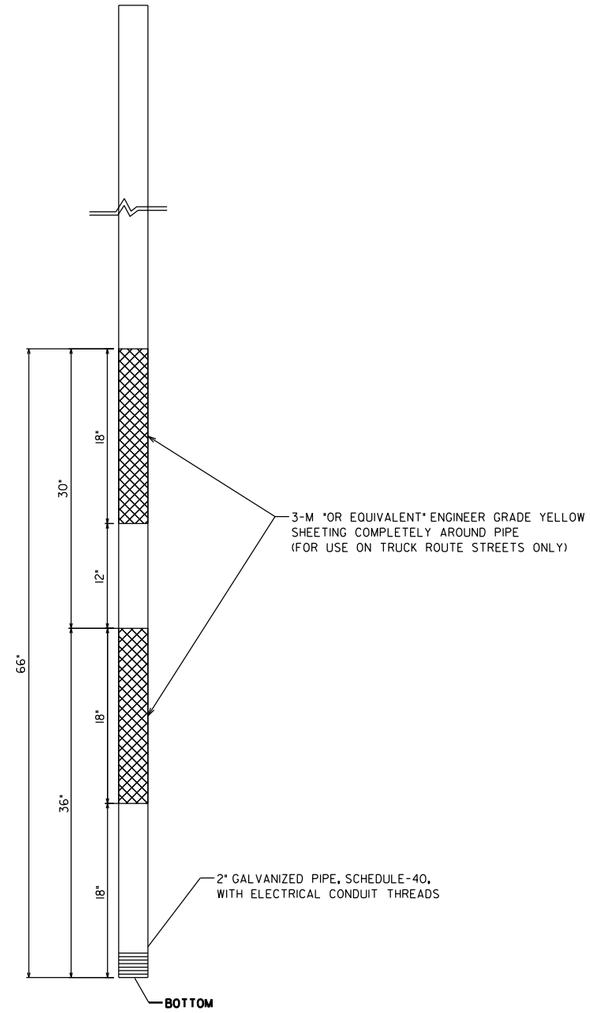
SIGN POST BASE FOR CONCRETE INSTALLATION DETAIL
NOT TO SCALE





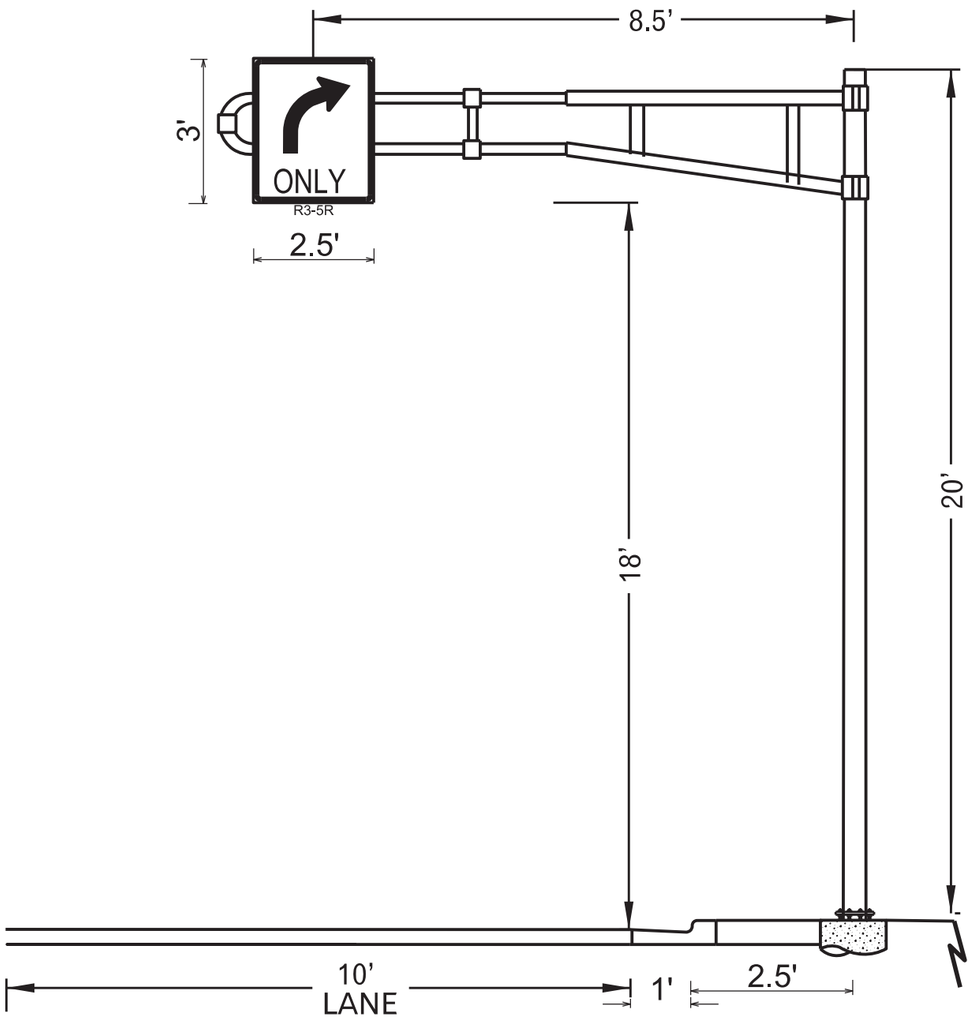
*NOTES:
1. CONCRETE 3200 PSI MINIMUM STRENGTH IN 28 DAYS
2. BASE SHALL BE INSTALLED PLUMB. WITH TOP OF BASE FLUSH WITH FINISHED GRADE.

PRECAST SIGN POST BASE DETAIL
NOT TO SCALE



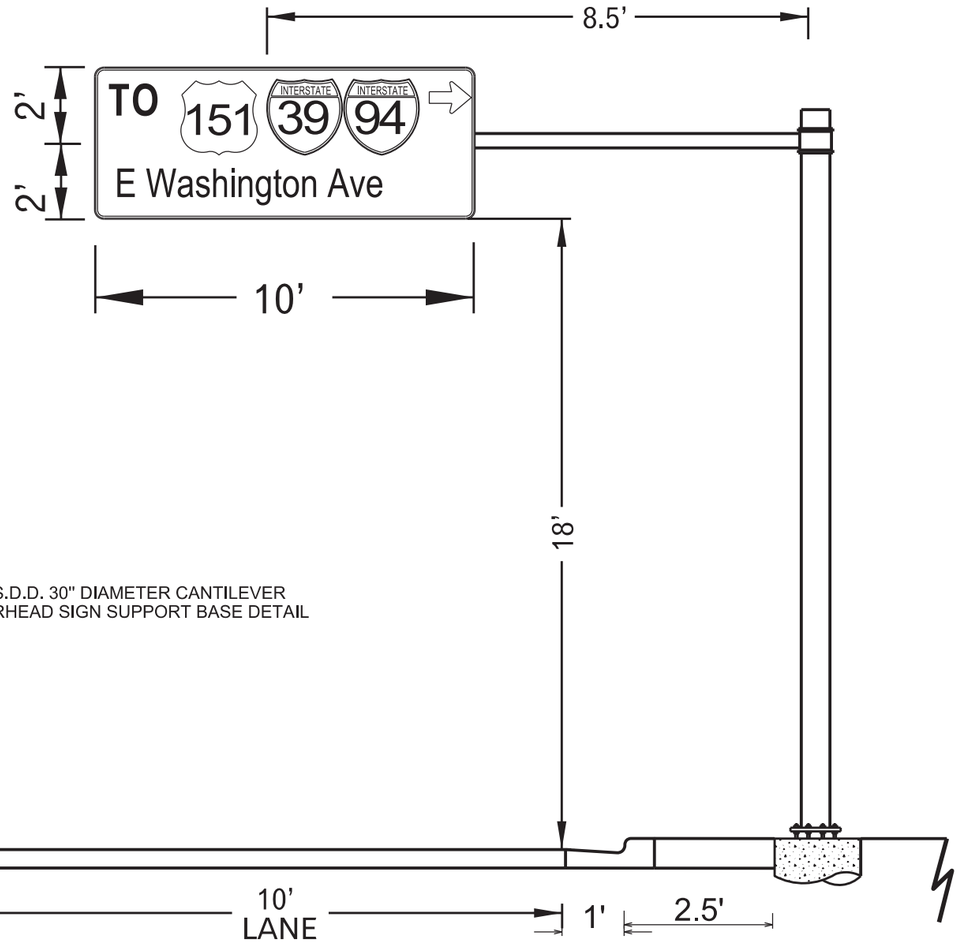
SIGN POST DETAIL
NOT TO SCALE

2



OVERHEAD SIGN CONSTRUCTION DETAIL

SB 2-1
SIGN STRUCTURE # S-13-437
STA. 19+50
JOHNSON ST. AT BLAIR ST.
FACING SOUTHWEST
(NOT DRAWN TO SCALE)



* NOTE: SEE S.D.D. 30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE DETAIL

OVERHEAD SIGN SUPPORT DETAIL

SIGN STRUCTURE # S-13-438
STA. 18+41
JOHNSON ST. AT BLAIR ST.
FACING SOUTHWEST
(NOT DRAWN TO SCALE)

2

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME :M:\DESIGN\Traffic\Maps_Plans\SDD-MadisonTE\dt_overhead_sign_structure-v8.dgn PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

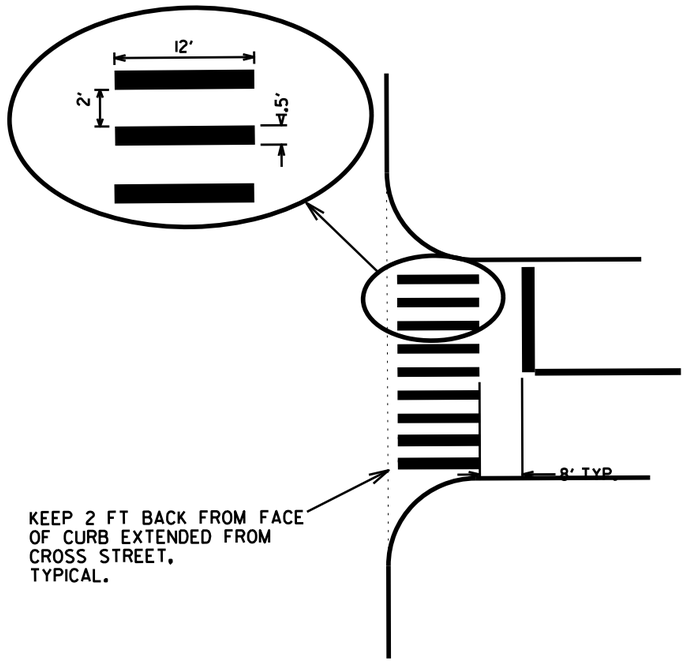
CONTINENTAL CROSSWALKS

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"

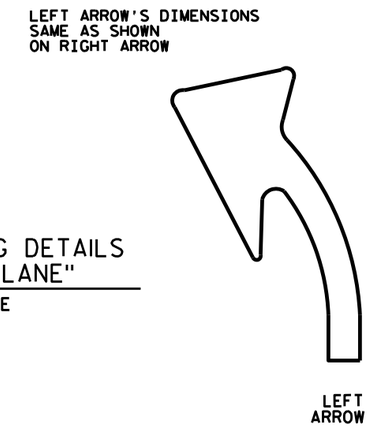


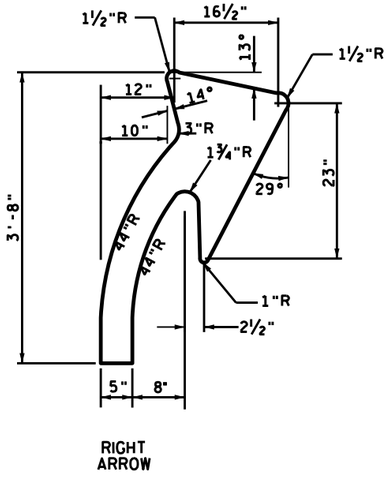
CONTINENTAL CROSSWALK DETAIL

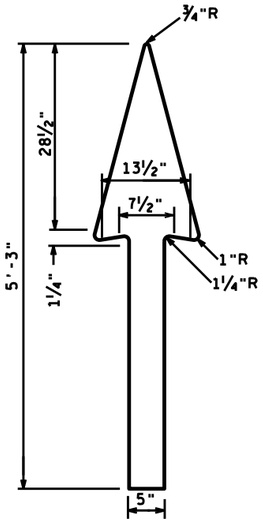
NOT TO SCALE

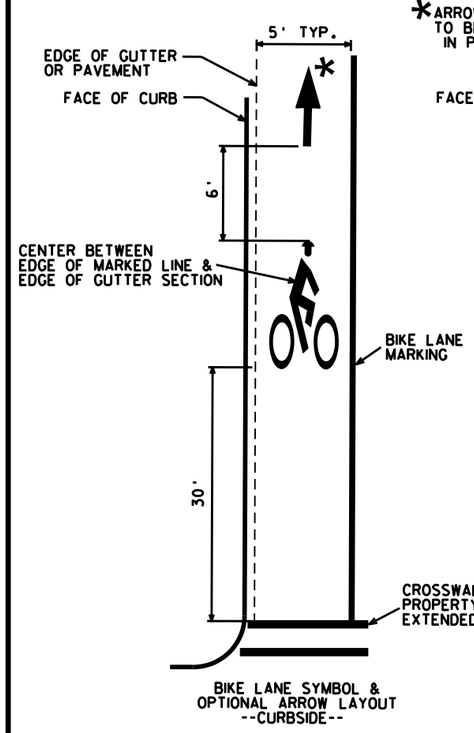
PAVEMENT MARKING DETAILS "ARROWS BIKE LANE"

NOT TO SCALE

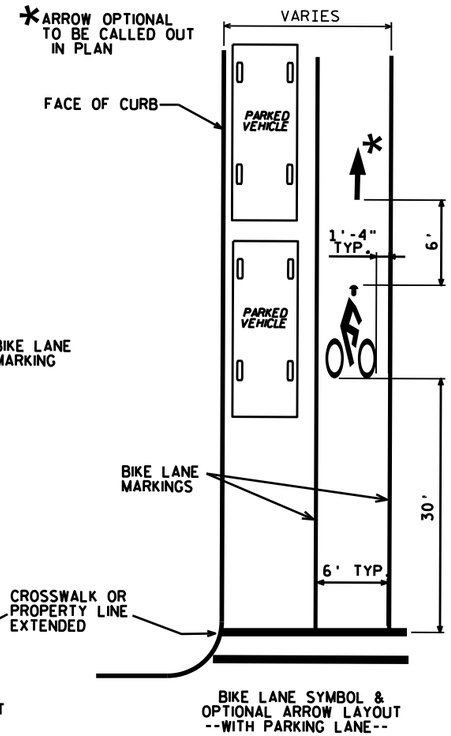




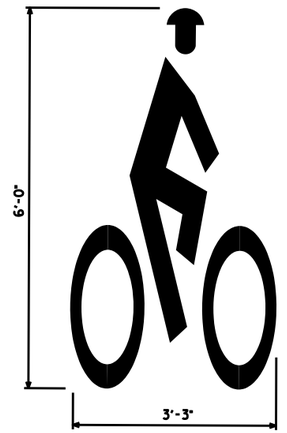




BIKE LANE SYMBOL & OPTIONAL ARROW LAYOUT --CURBSIDE--



BIKE LANE SYMBOL & OPTIONAL ARROW LAYOUT --WITH PARKING LANE--

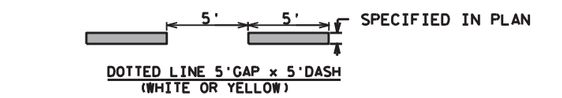


BIKE LANE SYMBOL FACING TRAFFIC LANE

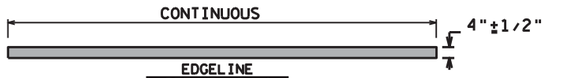
BIKE LANE SYMBOL PAVEMENT MARKING DETAILS

NOT TO SCALE

PERMANENT PAVEMENT MARKINGS

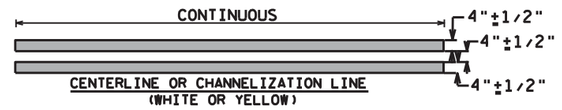


DOTTED LINE 5'GAP x 5'DASH
(WHITE OR YELLOW)

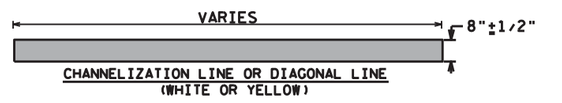


EDGELINE
(WHITE OR YELLOW)

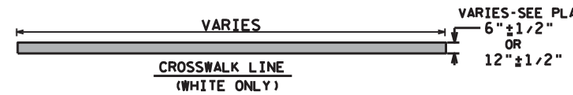
LANE LINE OR CENTERLINE
(WHITE OR YELLOW)



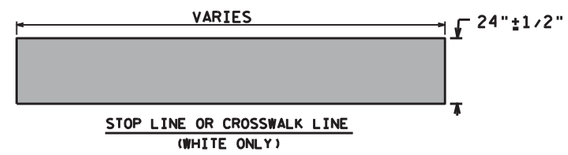
CENTERLINE OR CHANNELIZATION LINE
(WHITE OR YELLOW)



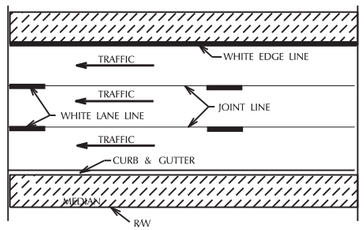
CHANNELIZATION LINE OR DIAGONAL LINE
(WHITE OR YELLOW)



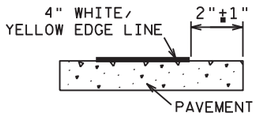
CROSSWALK LINE
(WHITE ONLY)



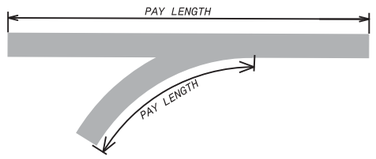
STOP LINE OR CROSSWALK LINE
(WHITE ONLY)



MARKING PLACEMENT DETAIL

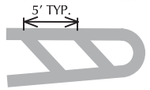


EDGE LINE PLACEMENT

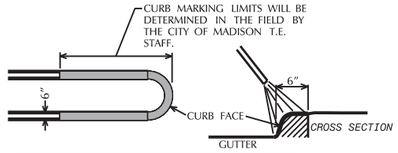


WHITE OR YELLOW CHANNELIZING LINE, 8"

8" DIAGONAL LINES AT
45 DEGREES TO TRAFFIC LANES.



WHITE OR YELLOW ISLAND



CURB & ISLAND MARKING DETAILS

GENERAL NOTES FOR EPOXY PAVEMENT MARKINGS

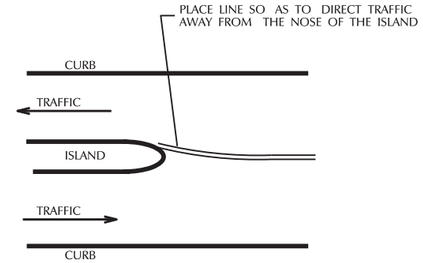
THE CONTRACTOR SHALL APPLY ALL MARKINGS IN ACCORDANCE WITH THE STATE OF WISCONSIN MANUAL ON TRAFFIC CONTROL DEVICES.

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

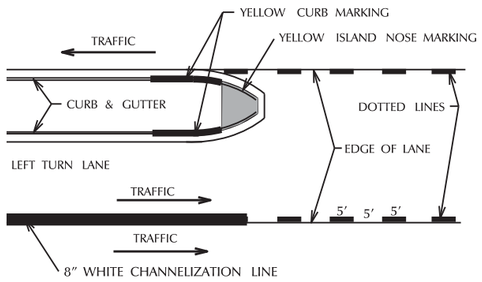
CROSSWALKS AND STOP BARS WILL BE PLACED NO CLOSER THAN 2' TO THE FACE OF CURB.

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

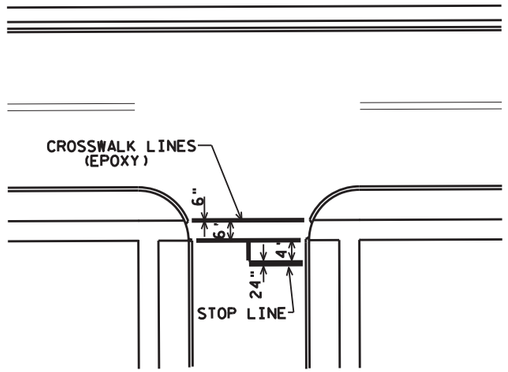
FOR MORE INFORMATION AND FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY 1120 SAYLE ST. (608) 266-4767



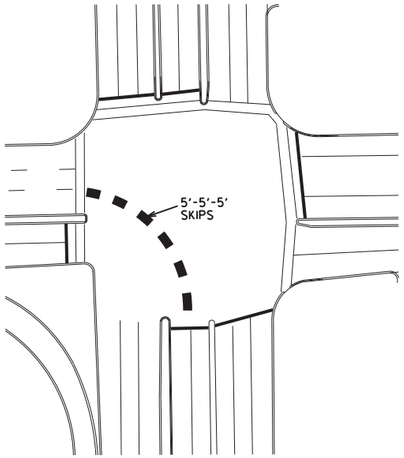
ISLAND APPROACH



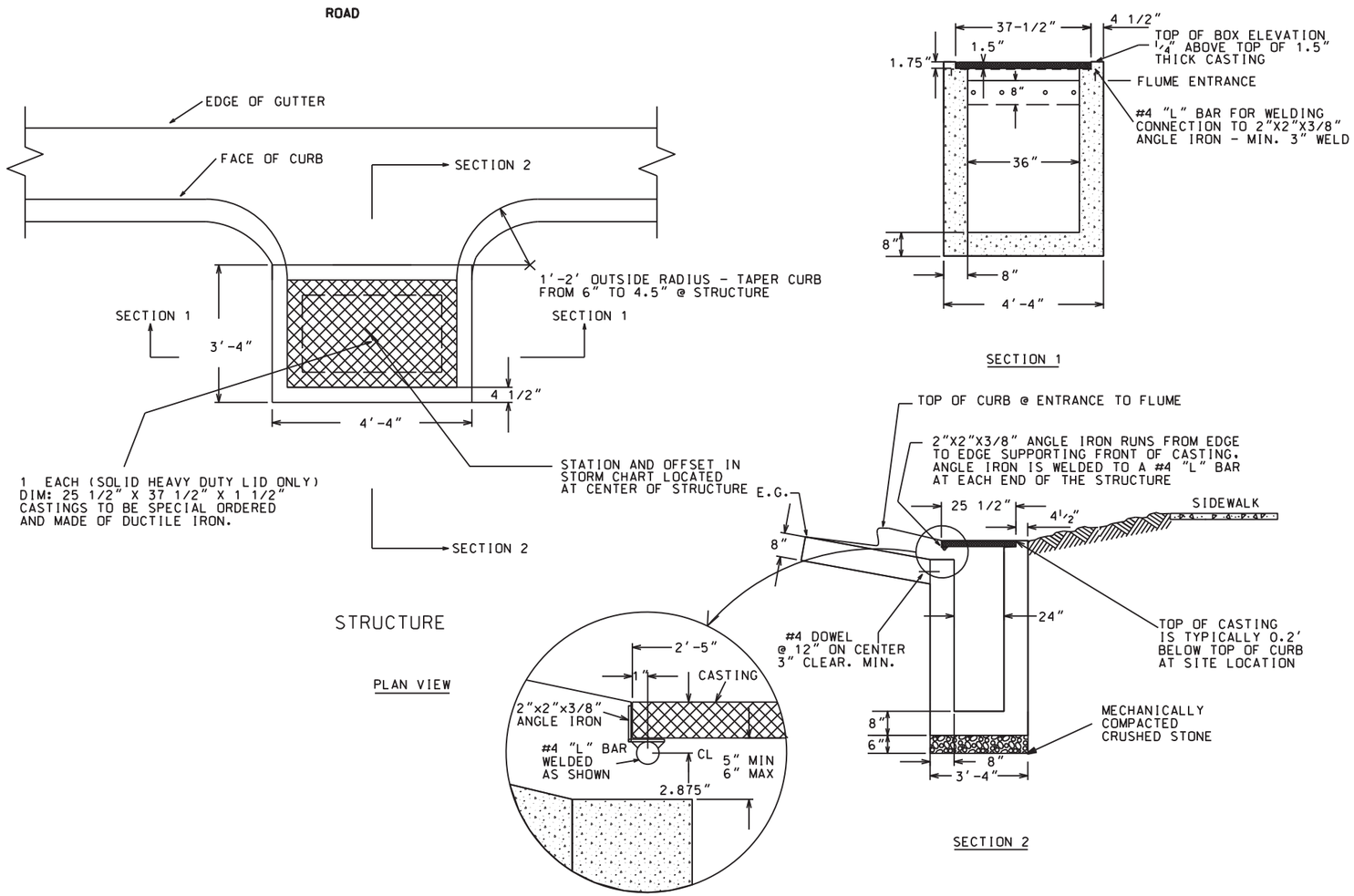
LEFT TURN LANE



CROSSWALK & STOP LINE DETAILS

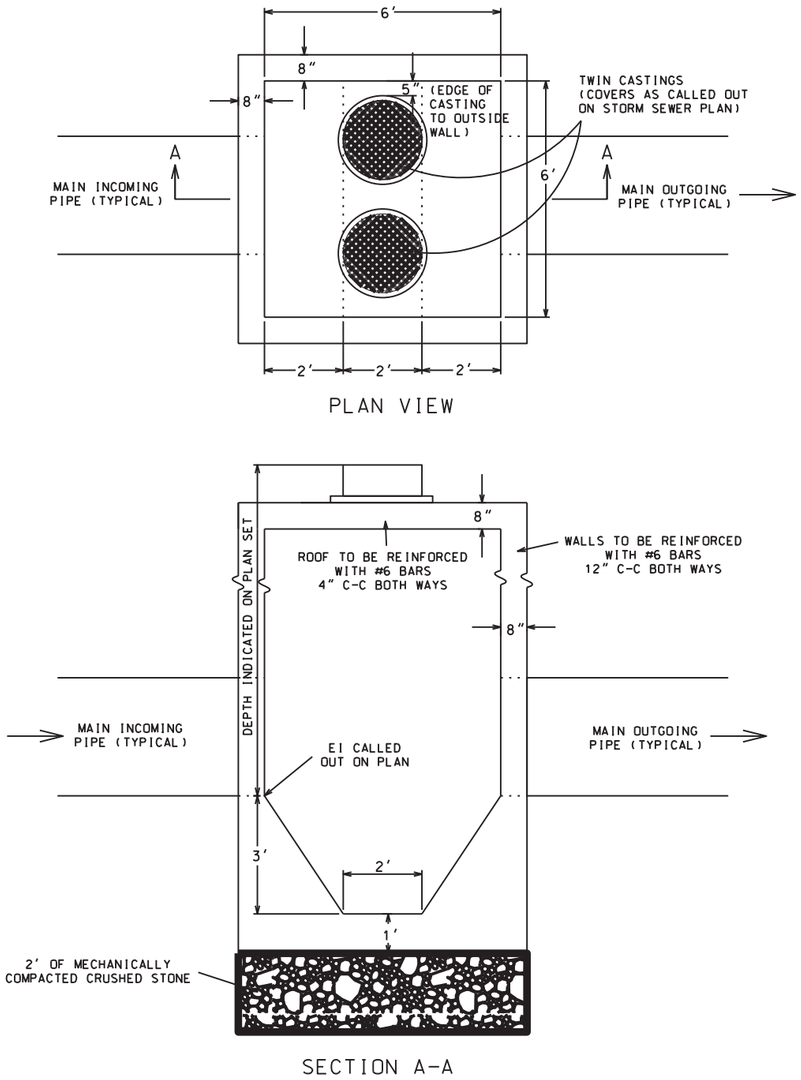


TURN RADIUS LINE DETAILS



TERRACE INLET TYPE 3 SPECIAL DETAIL

SCALE: NONE

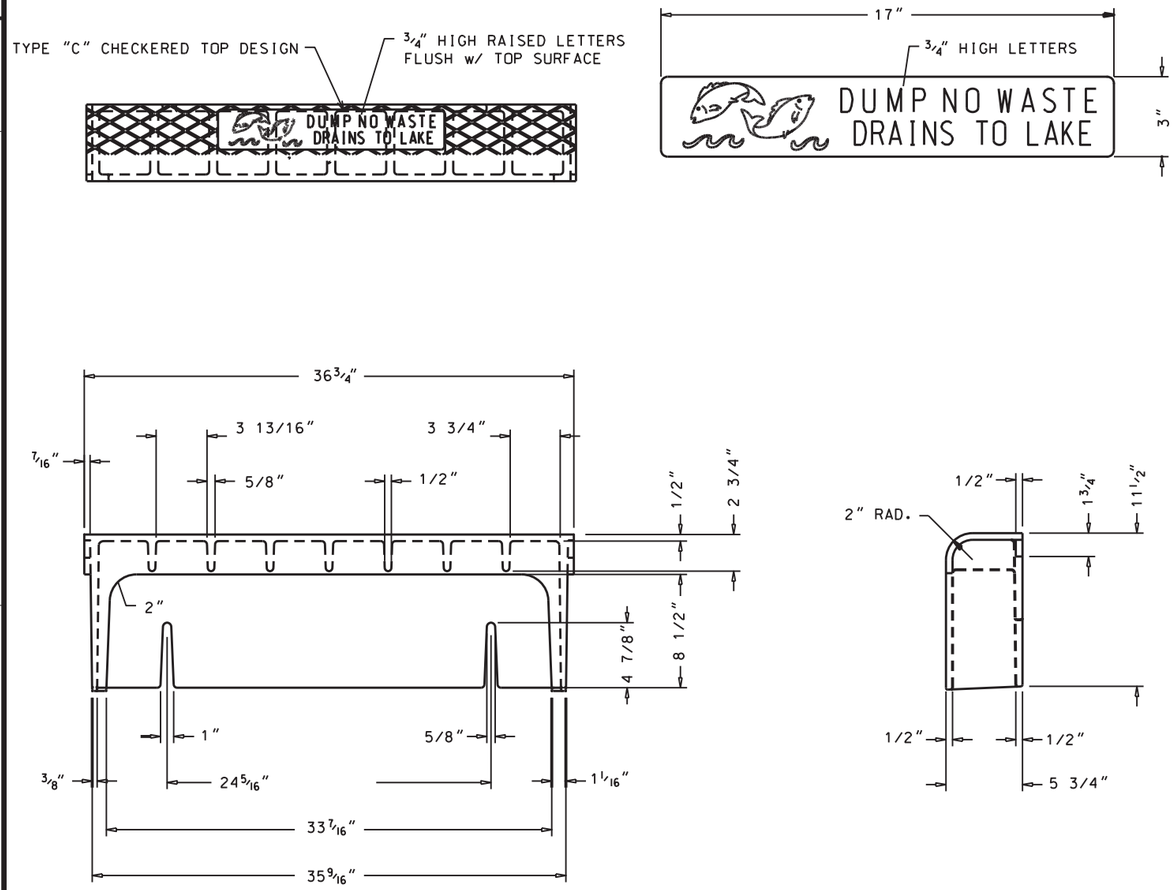


CATCH BASIN SPECIAL DETAIL

SCALE: NONE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

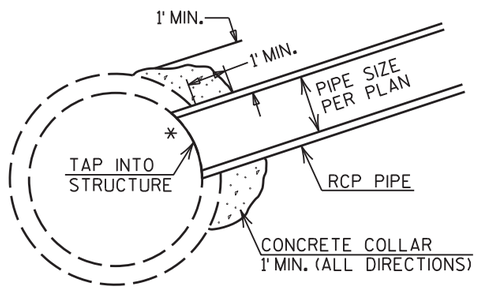
FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-Detail 1.dgn PLOT DATE : 11/22/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 120.0000 sf / in.



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

INLET COVER TYPE H SPECIAL

SCALE: NONE

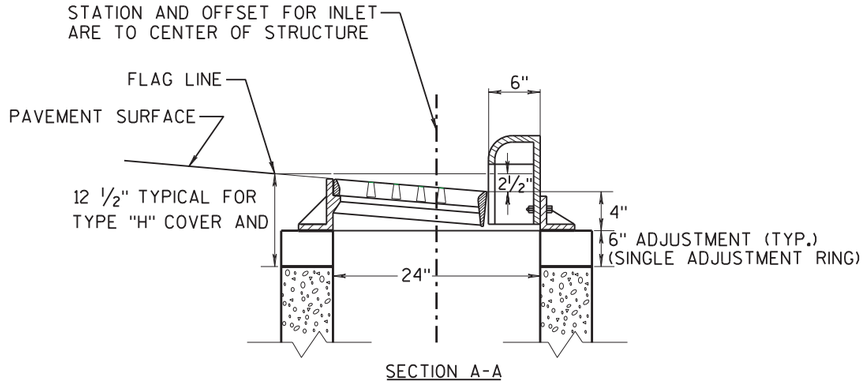


NOTE: CONCRETE COLLAR INCIDENTAL TO TAP SPECIAL FOR STORM SEWER PIPE

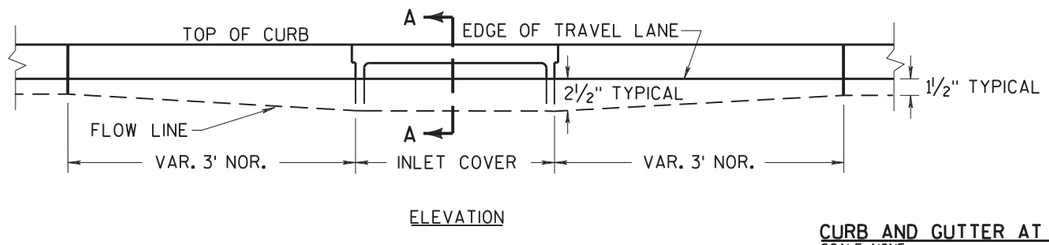
* NO PIPE TO PROTRUDE INTO MANHOLE

SEWER TAP DETAIL SPECIAL

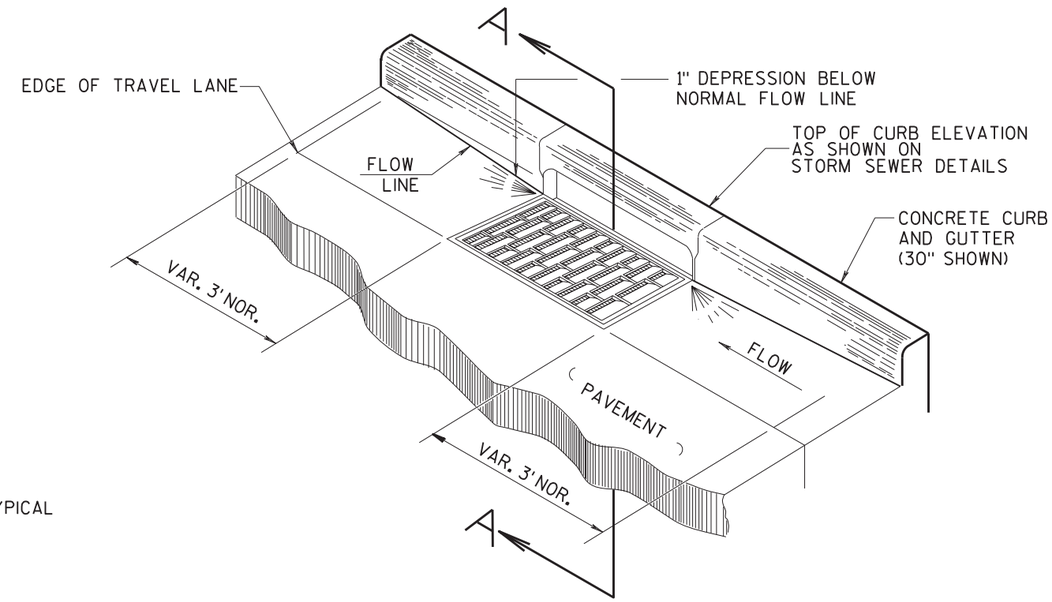
SCALE: NONE



SECTION A-A



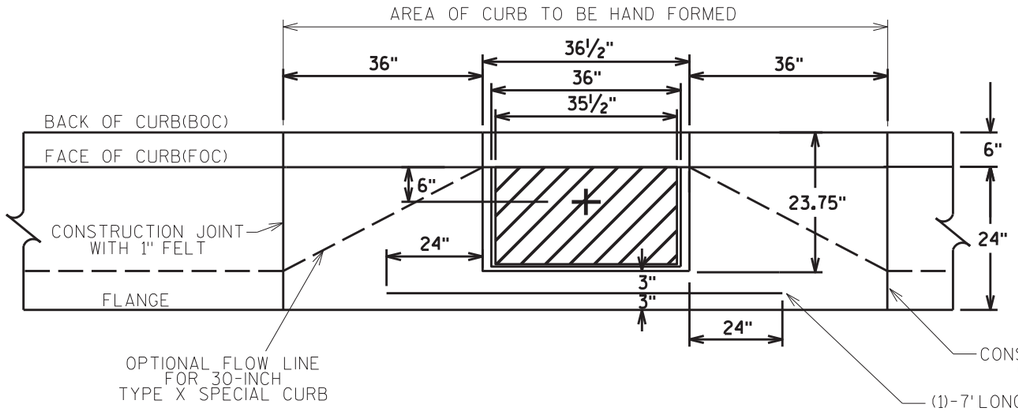
ELEVATION



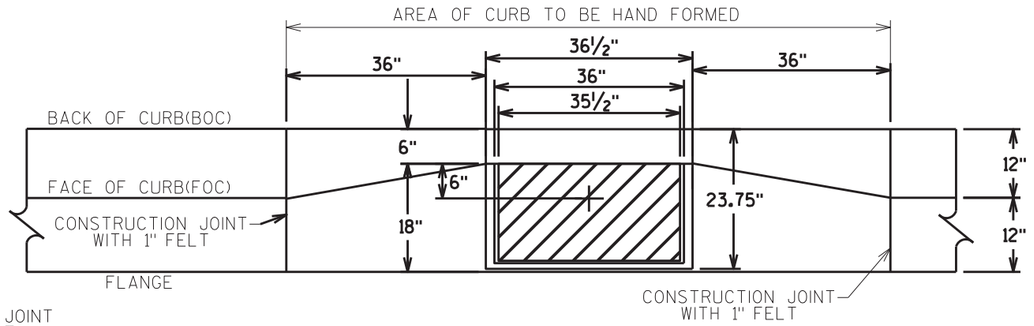
CURB AND GUTTER AT INLET DETAIL
SCALE: NONE

2

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



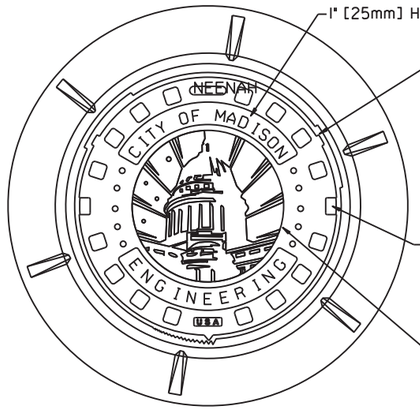
CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL
PLAN VIEW



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

CURB AND GUTTER AT INLET DETAIL
SCALE: NONE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 24	E



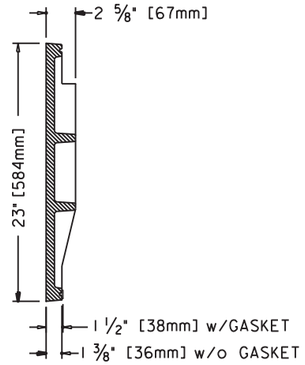
1" [25mm] HIGH LETTERS

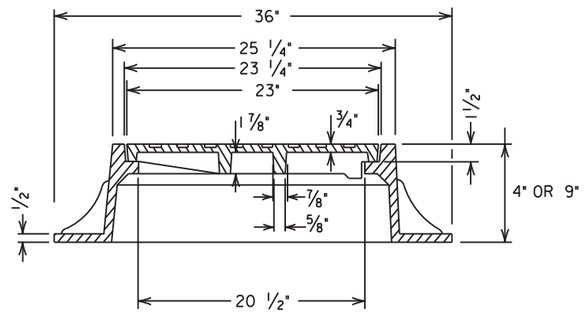
NON-ROCKING FEATURE-
3 PLACES, 120° APART

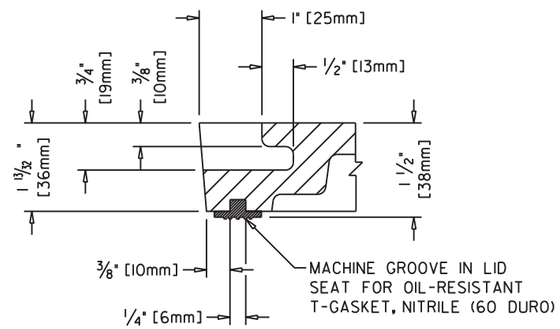
(2) CONCEALED
TYPE PICKHOLES
PER NF-22642

CITY OF MADISON
ENGINEERING LOGO,
SHADED AREA REPRESENTS
RECESSED AREA

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, 83/4" 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.

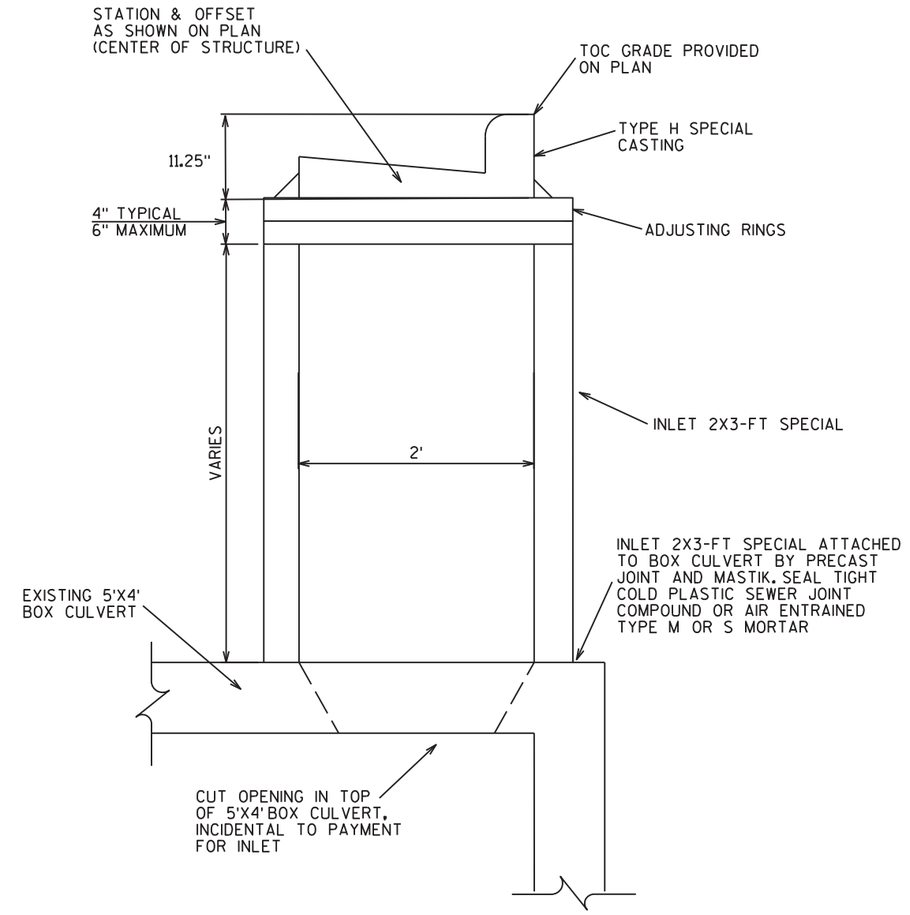
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME
   (WHEN REQUESTED BY THE CITY CONSTRUCTION ENGINEER).

3. R-1920, 83/4" 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.)

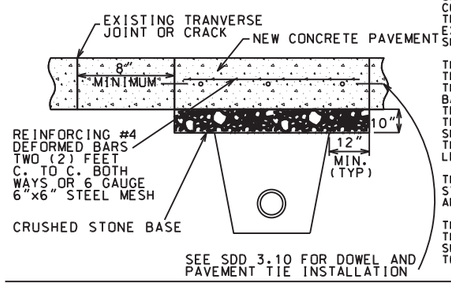
LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC]
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

MANHOLE COVERS TYPE J SPECIAL
SCALE: NONE



INLET 2X3-FT SPECIAL
SCALE: NONE

TYPE I
CONCRETE PAVEMENT



TYPE I UTILITY TRENCH PATCH

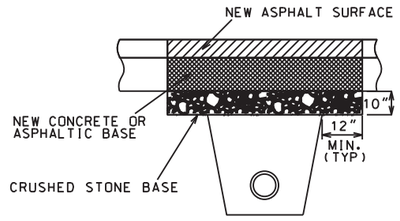
THE PAVEMENT SHALL BE REMOVED IN TWO STAGES. THE INITIAL PAVEMENT REMOVAL SHALL BE LIMITED TO THE AREA OF THE PROPOSED TRENCH. FULL-DEPTH SAWCUTTING WILL NOT BE REQUIRED FOR THIS PHASE OF THE PAVEMENT REMOVAL. AFTER THE TRENCH HAS BEEN BACKFILLED AND COMPACTED, AND AFTER THE BASE HAS BEEN RESTORED IN THE AREA OF THE TRENCH, AND AFTER SAWCUTTING THE NEW JOINTS THE FULL DEPTH OF THE EXISTING PAVEMENT (INCIDENTAL), THE REMAINING PAVEMENT TO BE REMOVED SHALL BE REMOVED WITHOUT DISTURBING THE EXISTING BASE.

THE SIZE OF THE PATCH SHALL BE DETERMINED BY THE TOP WIDTH OF THE TRENCH, THE LOCATION AND SKEW OF THE EXISTING TRANSVERSE JOINTS, THE CONDITION OF THE EXISTING PAVEMENT, AND THE CONDITION OF THE BASE. NEW TRANSVERSE JOINTS SHALL BE PARALLEL TO THE EXISITING TRANSVERSE JOINTS, AND SHALL BE A MININUM OF ONE (1) FOOT FROM THE TRENCH. THE DISTANCE BETWEEN NEW AND EXISTING TRANSVERSE JOINTS SHALL BE A MINIMUM OF EIGHT (8) FEET, MEASURED PERPENDICULAR TO THE JOINTS. THE PATCH SHALL BE A MINIMUM OF EIGHT (8) FEET IN LENGTH, AND SHALL HAVE THE SAME WIDTH AS THE PAVEMENT LANE.

THE PATCH SHALL BE NINE (9) INCHES IN THICKNESS OF HIGH EARLY STRENGTH CONCRETE, DOWELED AND TIED WITH EPOXY COATED BARS, AND REINFORCED, ALL IN ACCORDANCE WITH THE TYPICAL SECTION.

THE TRANSVERSE EDGES OF THE FINISHED PATCH SHALL BE FLUSH WITH THE EDGES OF THE EXISTING CONCRETE PAVEMENT. THE LONGITUDINAL SURFACE SHALL FORM A STRAIGHT LINE FROM EDGE TO EDGE WITHIN A TOLERANCE OF $\frac{1}{8}$ INCH.

TYPE II
CONCRETE WITH ASPHALTIC OVERLAY



TYPE II UTILITY TRENCH PATCH

THE PATCH SHALL BE 7" HIGH EARLY STRENGTH CONCRETE BASE WITH THE SAME REINFORCEMENT AS THE EXISTING CONCRETE BASE, OVERLAID WITH ASPHALT UPPER LAYER. WHERE SPECIFIED, OR DIRECTED BY THE ENGINEER, THE BASE SHALL BE CONSTRUCTED OF ASPHALTIC BASE COURSE MATERIAL, SHALL BE THE SAME THICKNESS AS THE EXISTING BASE, AND SHALL BE LAID IN TWO OR MORE COMPACTED LIFTS OF NOT MORE THAN 3" IN THICKNESS EACH.

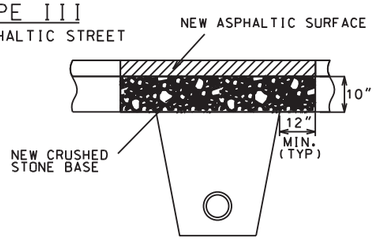
THE PAVEMENT ALONG THE PATCH SHALL BE SAWCUT, FULL DEPTH, AND INCIDENTAL TO THE TRENCH PATCH. THE EDGES OF THE PATCH SHALL BE VERTICAL, FREE OF LOOSE STONES OR CONCRETE PIECES, AND SHALL BE THOROUGHLY WETTED JUST PRIOR TO POURING THE NEW CONCRETE BASE.

THE TOP OF THE NEW CONCRETE OR ASPHALT BASE SHALL BE FLUSH WITH THE TOP OF THE EXISTING CONCRETE BASE.

PRIOR TO PLACING THE ASPHALT UPPER LAYER, THE EDGES OF THE PATCH AND THE SURFACE OF THE NEW CONCRETE BASE SHALL BE THOROUGHLY TACKED WITH LIQUID ASPHALT.

THE ASPHALT UPPER LAYER SHALL BE OF THE SAME THICKNESS AS THE EXISTING ASPHALT OVERLAY WITH A MINIMUM THICKNESS OF 3" AND A MAXIMUM THICKNESS OF 5½ UNLESS OTHERWISE SPECIFIED AND SHALL BE LAID IN ONE OR MORE COURSES AS DIRECTED BY THE ENGINEER. THE ASPHALTIC UPPER LAYER SHALL BE MACHINE LAID WHERE DIRECTED BY THE ENGINEER. WHERE THE ASPHALTIC UPPER LAYER IS MACHINE LAID, AND IS NOT MORE THAN 3" IN THICKNESS, THE ASPHALTIC SURFACE MAY BE LAID IN ONE LIFT.

TYPE III
ASPHALTIC STREET



TYPE III UTILITY TRENCH PATCH

THE PATCH SHALL BE CRUSHED STONE BASE COURSE, GRADATION NO. 2 OVERLAID WITH ASPHALT UPPER LAYER EQUAL IN THICKNESS TO THE EXISTING ASPHALTIC PAVEMENT.WITH A MINIMUM THICKNESS OF 3" AND A MAXIMUM THICKNESS OF 5½ UNLESS OTHERWISE SPECIFIED AND LAID IN ONE OR MORE COURSES AS DIRECTED BY THE ENGINEER.

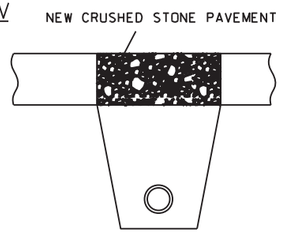
THE PAVEMENT ALONG THE PATCH SHALL BE SAWCUT, FULL DEPTH, AND INCIDENTAL TO THE TRENCH PATCH. THE EDGES OF THE EXISTING ASPHALTIC PAVEMENT SHALL BE FREE OF LOOSE STONES OR PAVEMENT MATERIAL.

THE CRUSED STONE BASE COURSE SHALL BE INSTALLED IN TWO LIFTS. THE LOWER LIFT SHALL BE THOROUGHLY MECHANICALLY COMPACTED PRIOR TO PLACING THE UPPER LIFT.

THE ASPHALT UPPER LAYER SHALL BE LAID IN TWO LIFTS. THE ASPHALT UPPER LAYER SHALL BE MACHINE LAID WHERE DIRECTED BY THE ENGINEER. WHERE THE ASPHALTIC UPPER LAYER IS MACHINE LAID AND IS NOT MORE THAN 3" IN THICKNESS, THE ASPHALT SURFACE COURSE MAY BE IN ONE LIFT.

PRIOR TO PLACING THE ASPHALT UPPER LAYER, THE EDGES OF THE PATCH AND THE SURFACE OF THE CRUSED STONE BASE SHALL BE TACKED AND PRIMED WITH LIQUID ASPHALT.

TYPE IV

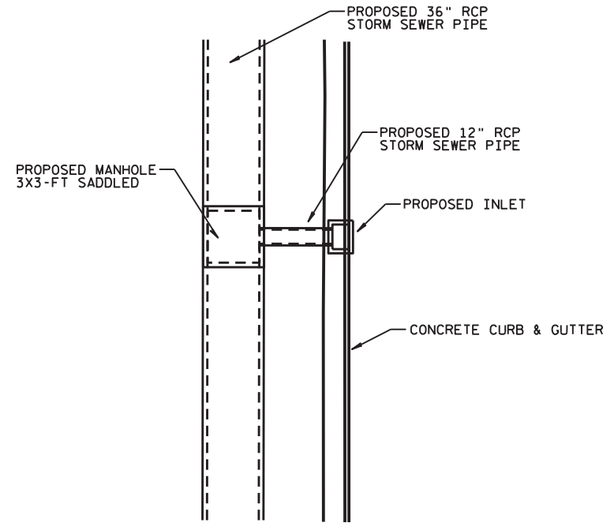


TYPE IV UTILITY TRENCH PATCH

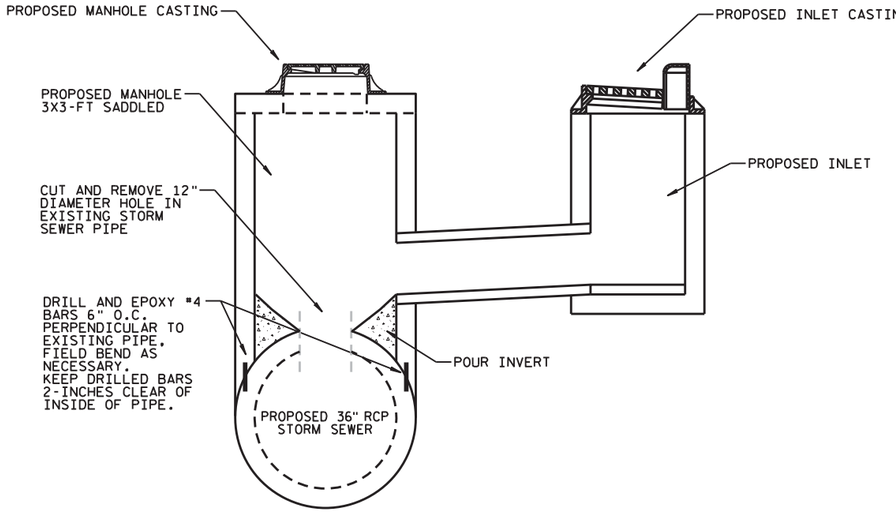
THE PATCH SHALL BE 9" CRUSHED STONE BASE COURSE, GRADATION NO. 2. FULL DEPTH SAWCUTTING OF ADJACENT PAVEMENT (IF ANY) SHALL BE CONSIDERED INCIDENTAL TO THE TRENCH PATCH.

THE CRUSHED STONE BASE COURSE SHALL BE INSTALLED IN THREE LIFTS. EACH LIFT SHALL BE THOROUGHLY MECHANICALLY COMPACTED PRIOR TO PLACING SUCCEEDING LIFTS.

UTILITY TRENCH PATCH TYPE III
SCALE: NONE



PLAN VIEW

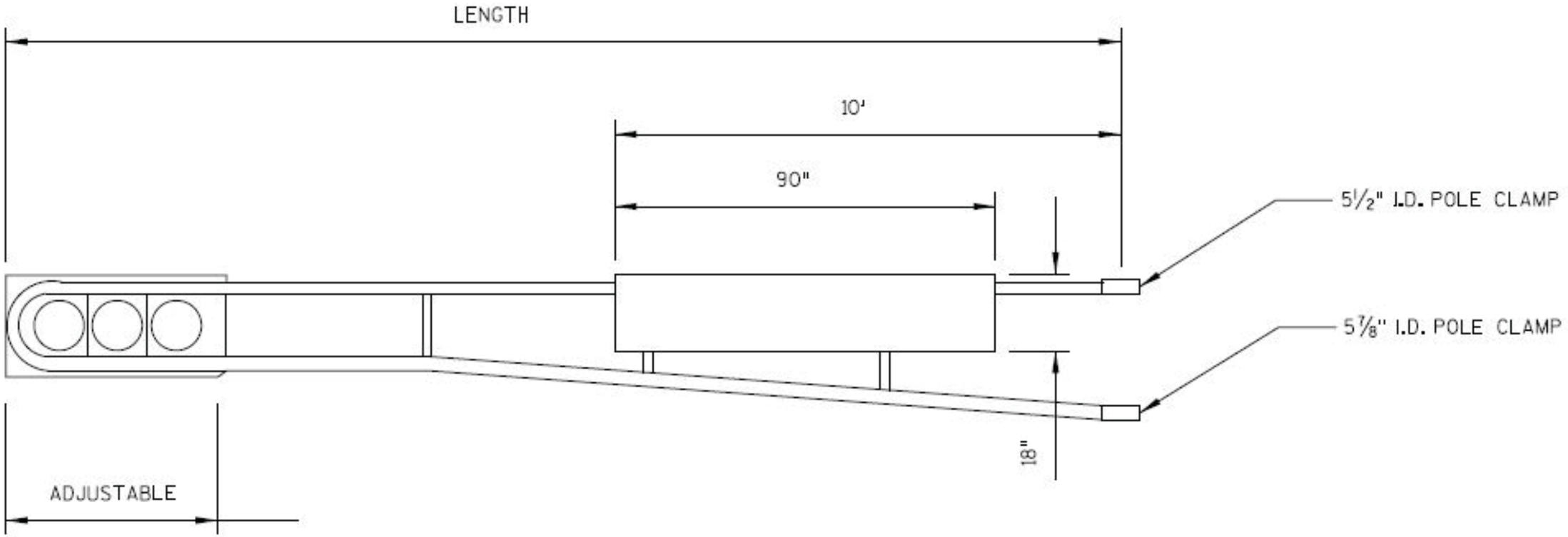


ELEVATION VIEW

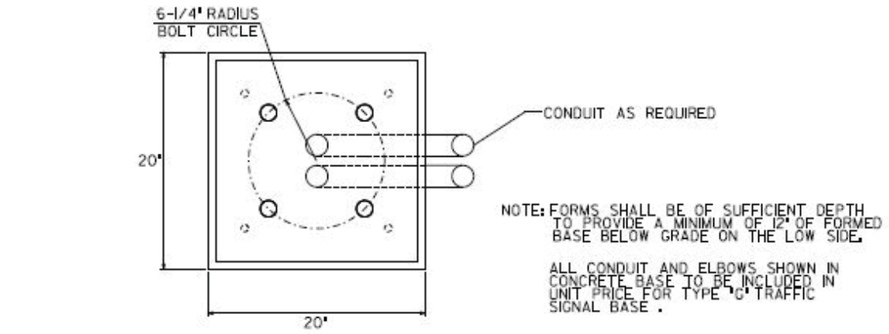
*NOTE: ALL MANHOLE 3X3-FT SADDLED STRUCTURES SHALL BE CAST-IN-PLACE. ADJUST FINAL STRUCTURE LOCATION TO AVOID EXISTING PIPE JOINTS.

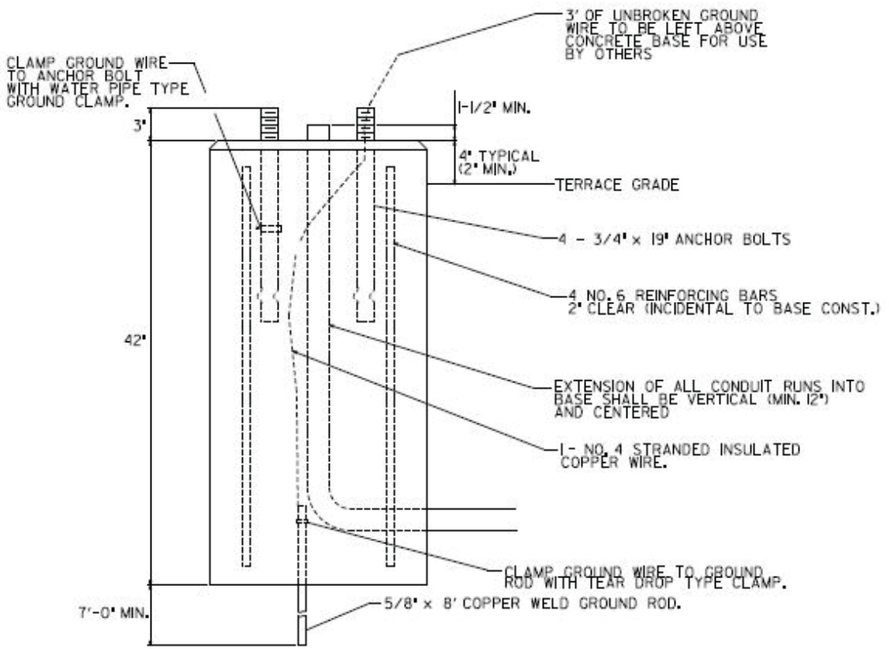
MANHOLE 3X3-FT SADDLED
SCALE: NONE

2

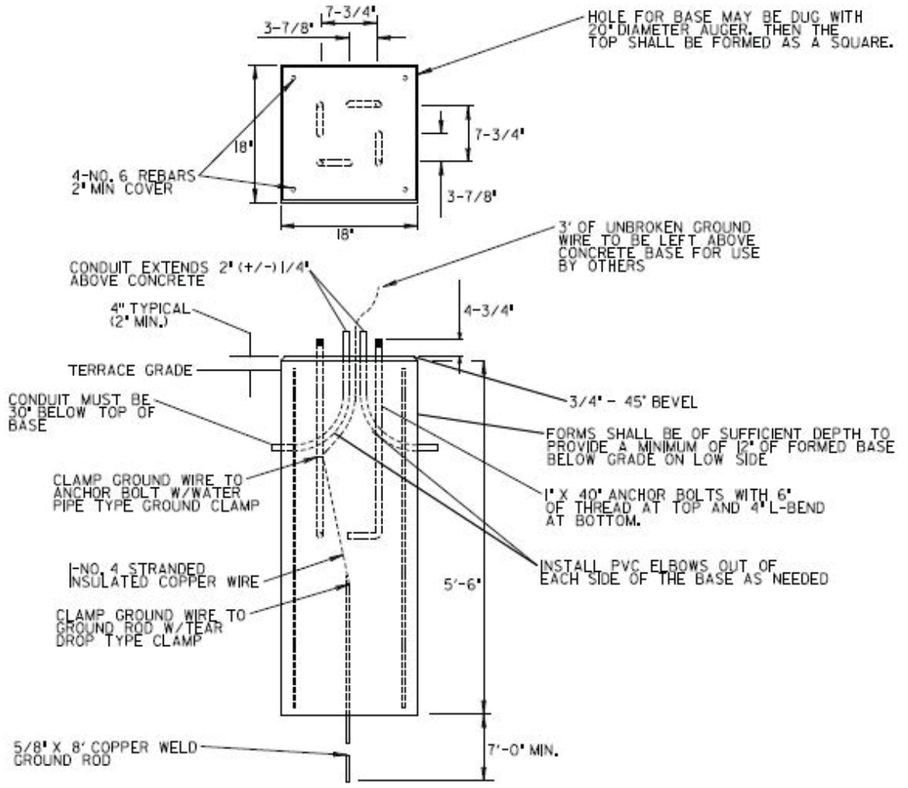


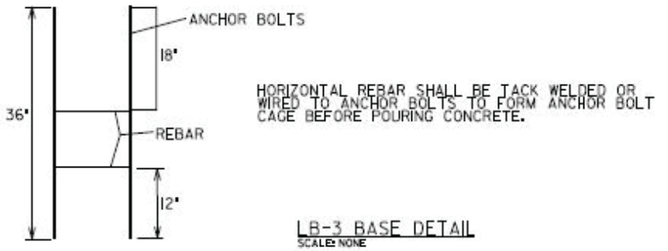
TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12, 18-FOOT
3-SECTION, 12" SIGNAL WITH BACKPLATE AND 18" X 90" ALUMINUM SIGN





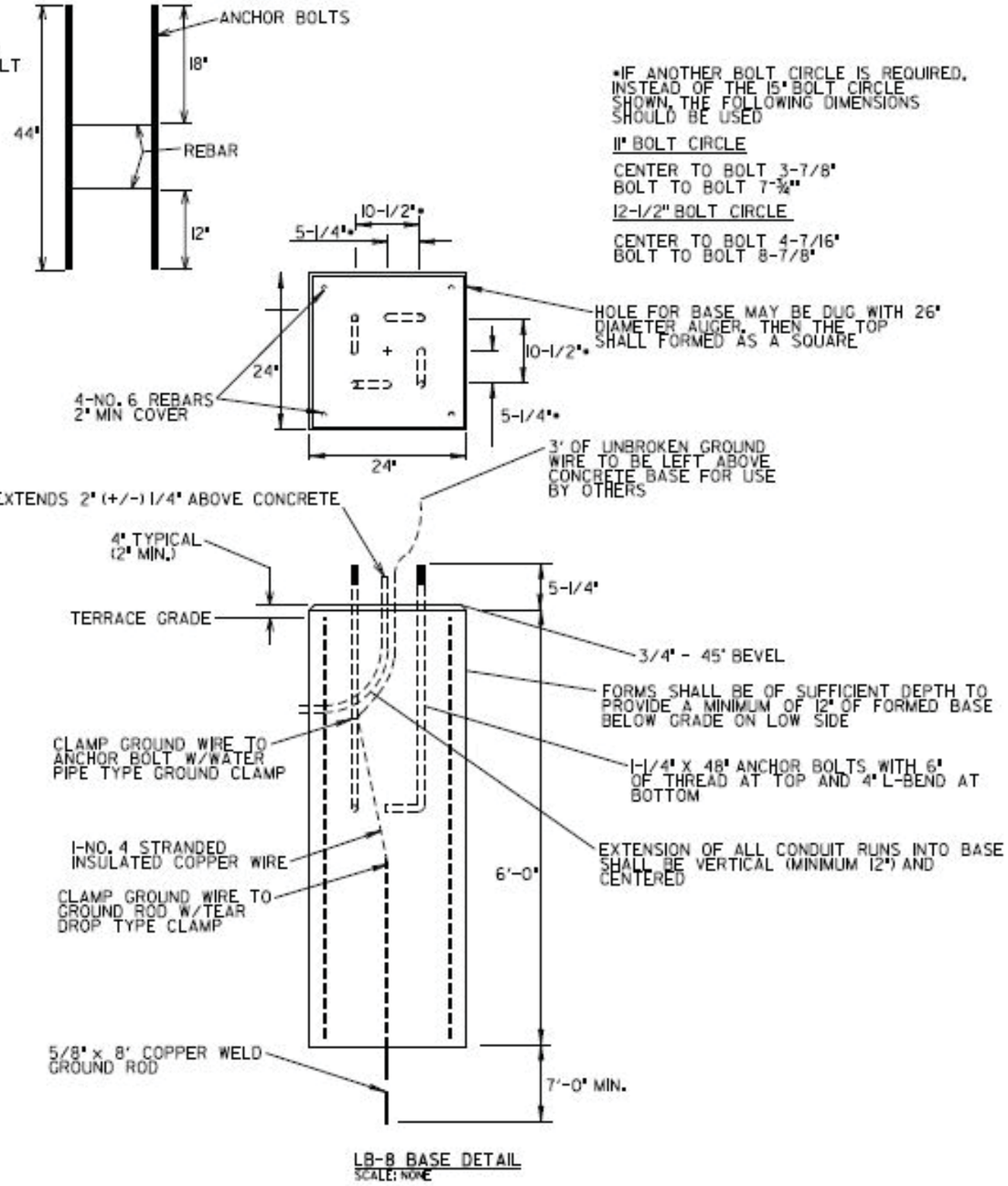
TYPE "G" BASE DETAIL
SCALE: NONE





LB-3 BASE DETAIL
SCALE: NONE

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 7-¾"

12-1/2" BOLT CIRCLE

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

HOLE FOR BASE MAY BE DUG WITH 26" DIAMETER AUGER, THEN THE TOP SHALL FORMED AS A SQUARE

3' OF UNBROKEN GROUND WIRE TO BE LEFT ABOVE CONCRETE BASE FOR USE BY OTHERS

3/4" - 45° BEVEL

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

1-1/4" X 48" ANCHOR BOLTS WITH 6" OF THREAD AT TOP AND 4" L-BEND AT BOTTOM

EXTENSION OF ALL CONDUIT RUNS INTO BASE SHALL BE VERTICAL (MINIMUM 12") AND CENTERED

LB-8 BASE DETAIL
SCALE: NONE

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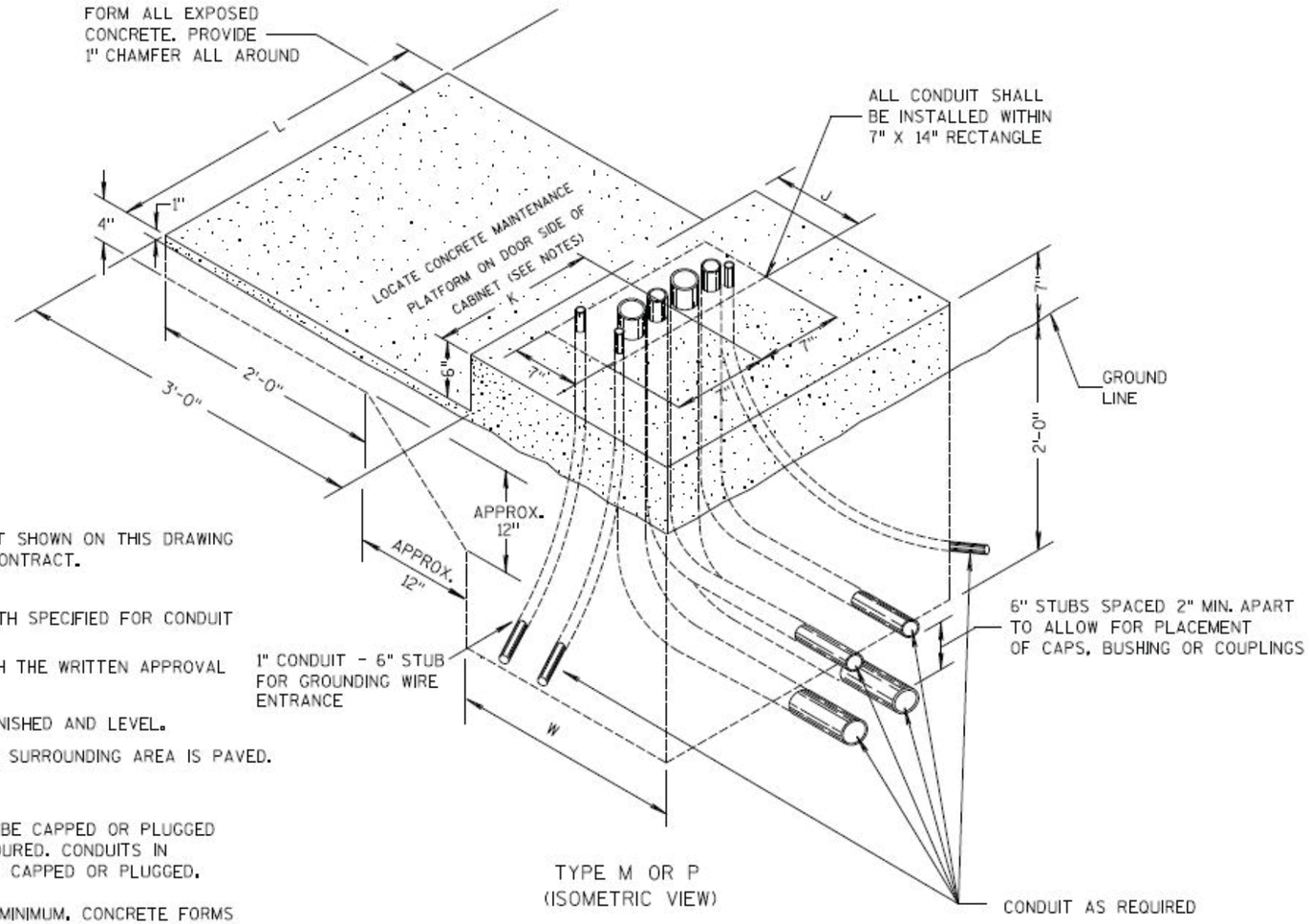
CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE M	40"	30"	12"	20"	.823
TYPE P	48"	30"	16"	24"	1.179
TYPE M MODIFIED	-	-	-	-	-
TYPE P MODIFIED	-	-	-	-	-
TYPE OTHER	-				-



TYPE M OR P
(ISOMETRIC VIEW)

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.

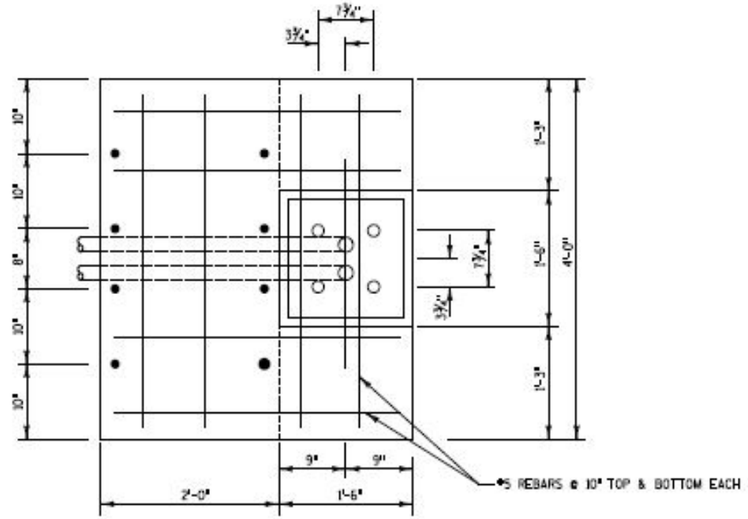
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

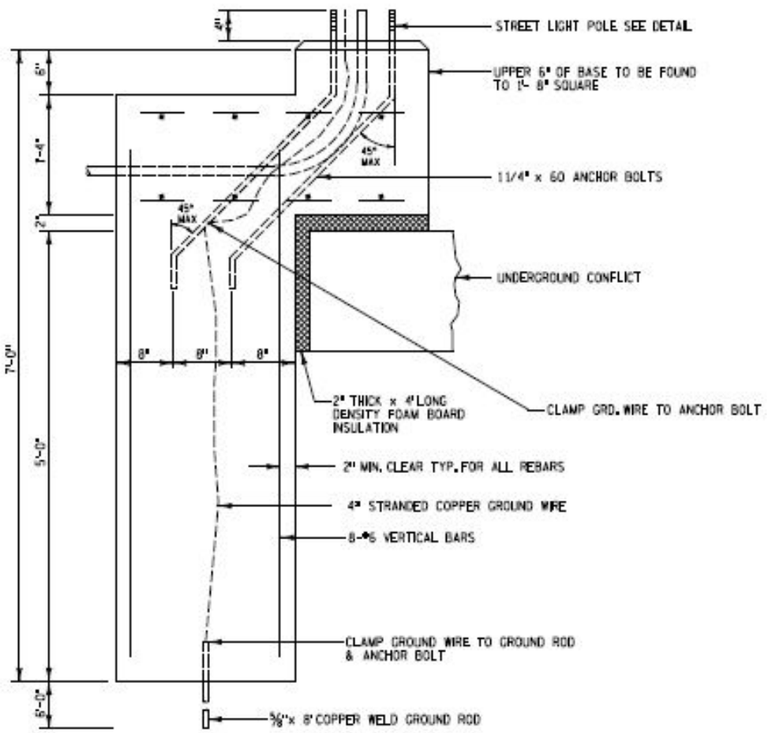
CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

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

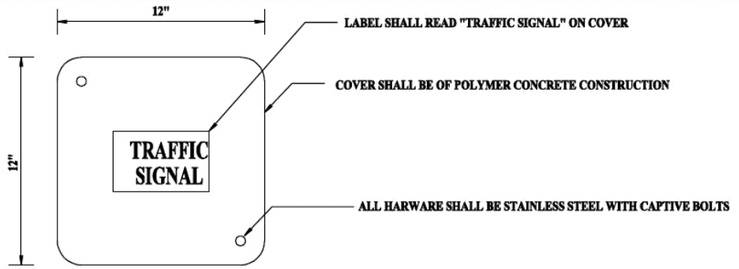
TYPE "M" AND "P" CONTROLLER BASE DETAIL
SCALE: NONE

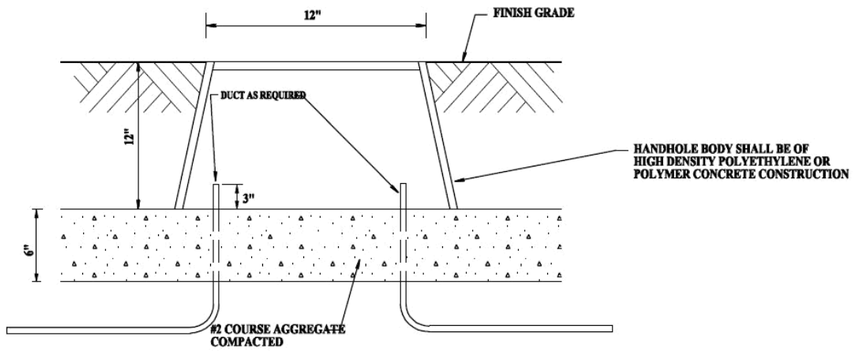
2



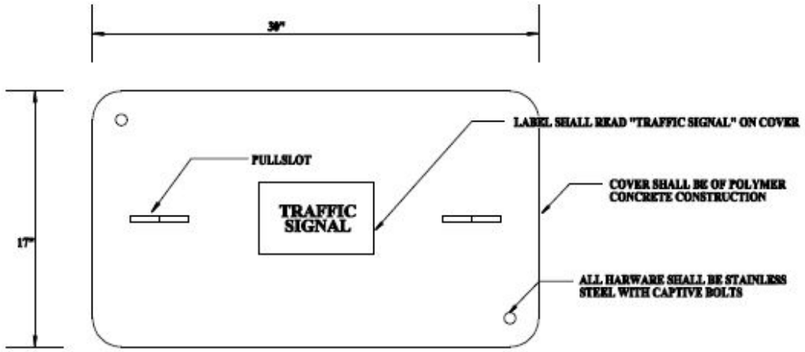


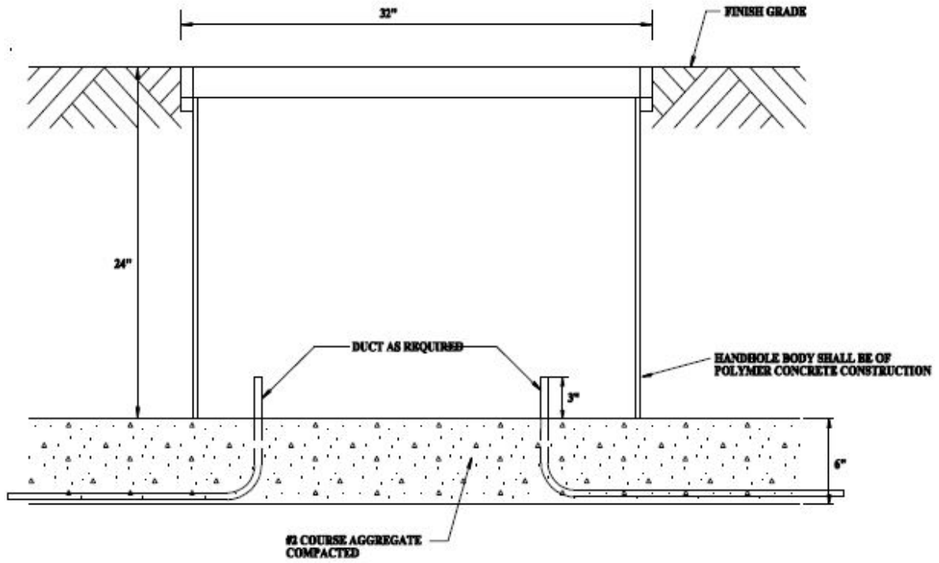
CONCRETE BASE OFFSET



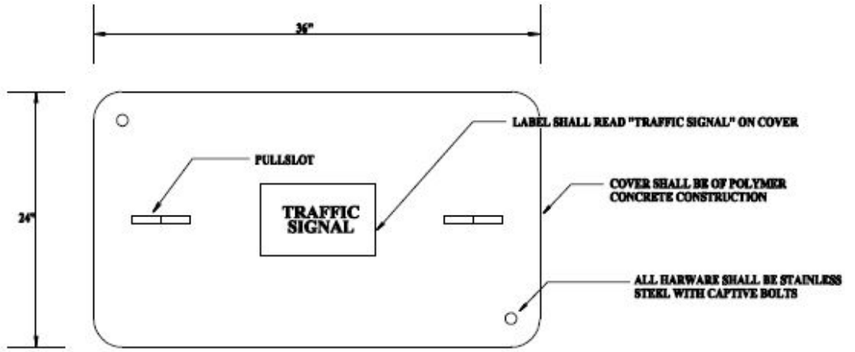


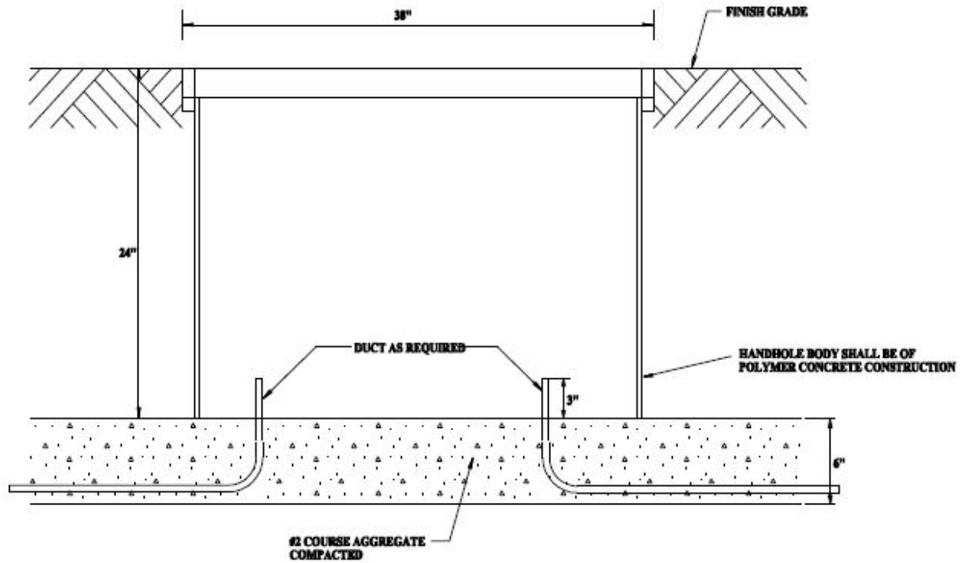
ELECTRICAL PULLBOX TYPE 3 DETAIL



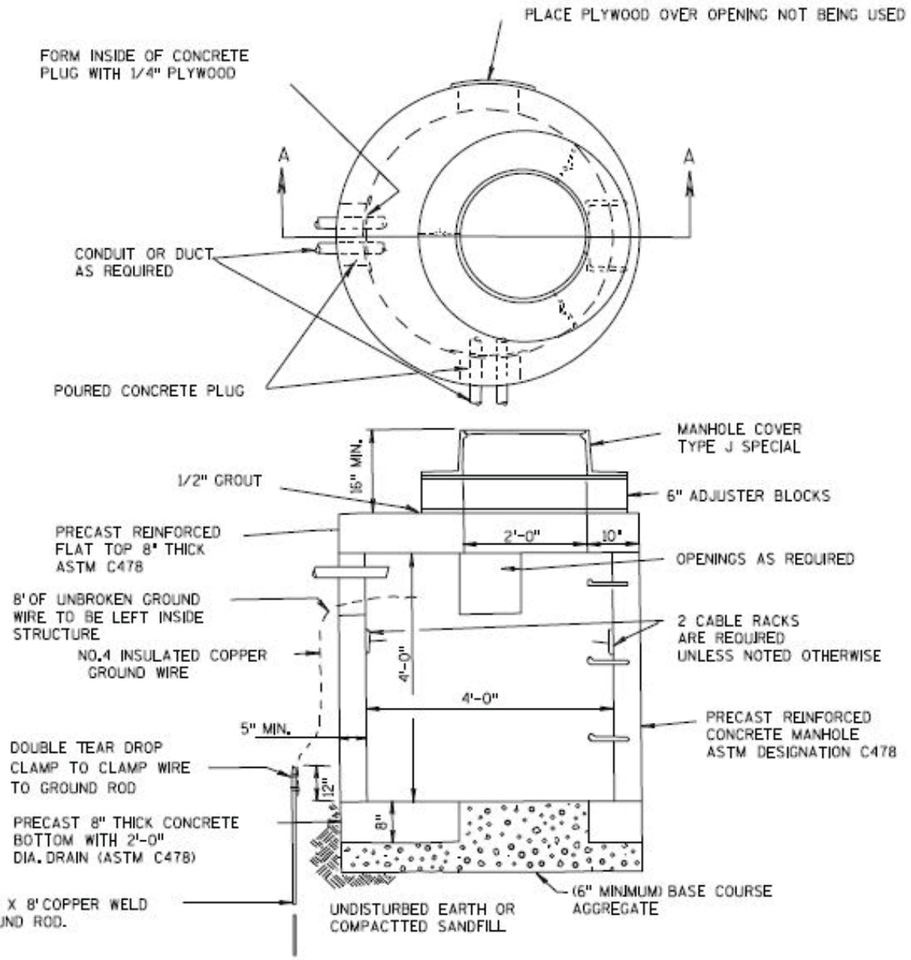


ELECTRICAL PULLBOX TYPE 1 DETAIL



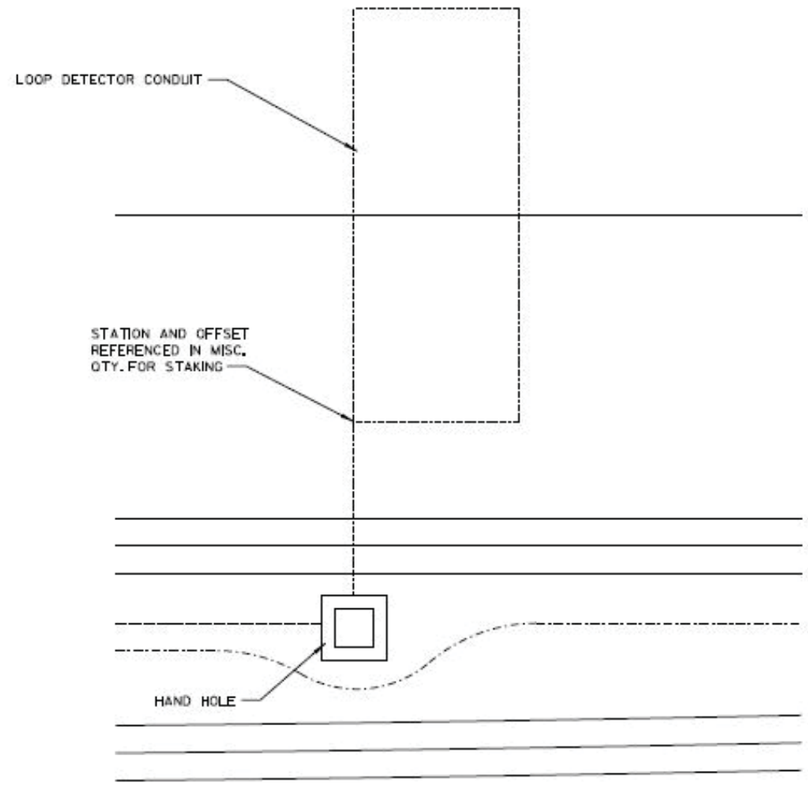


ELECTRICAL PULLBOX TYPE 5 DETAIL

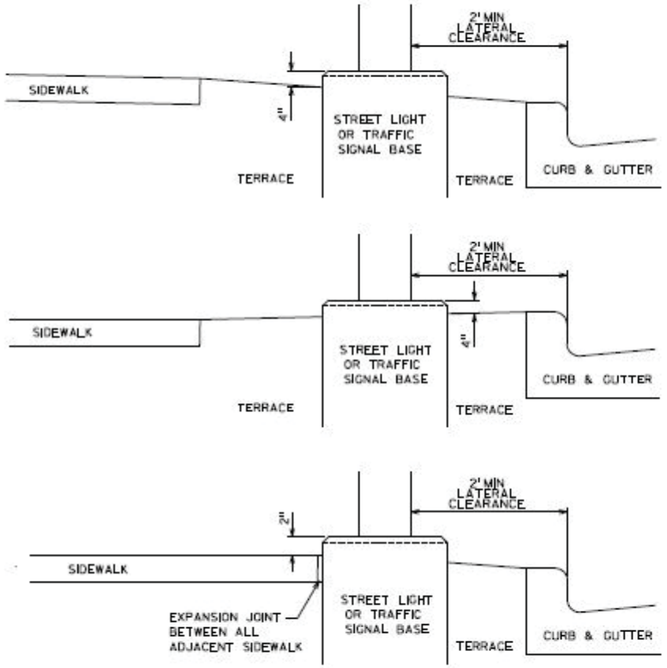


SECTION A-A

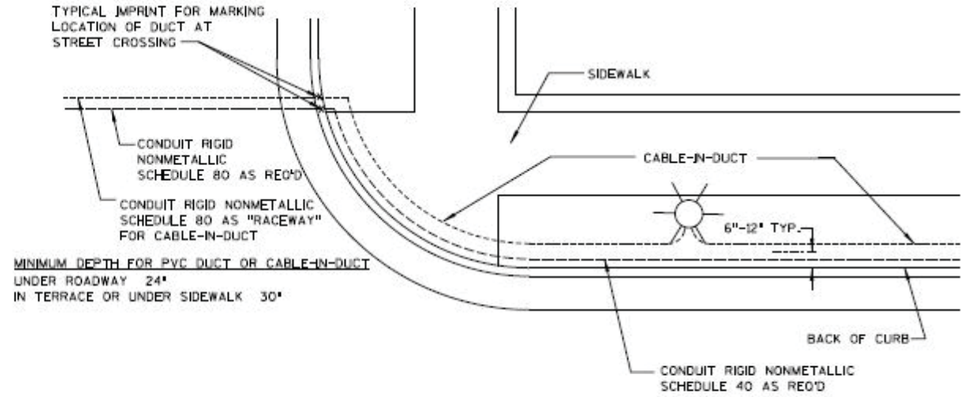
ELECTICAL UTILITY ACCESS STRUCTURE



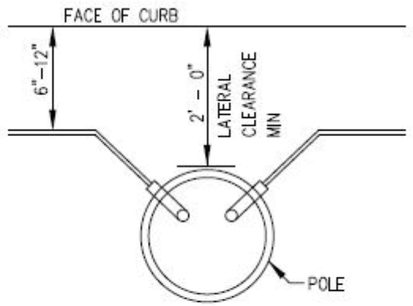
LOOP DETECTOR DETAIL



ELEVATION DETAIL FOR CONCRETE BASES

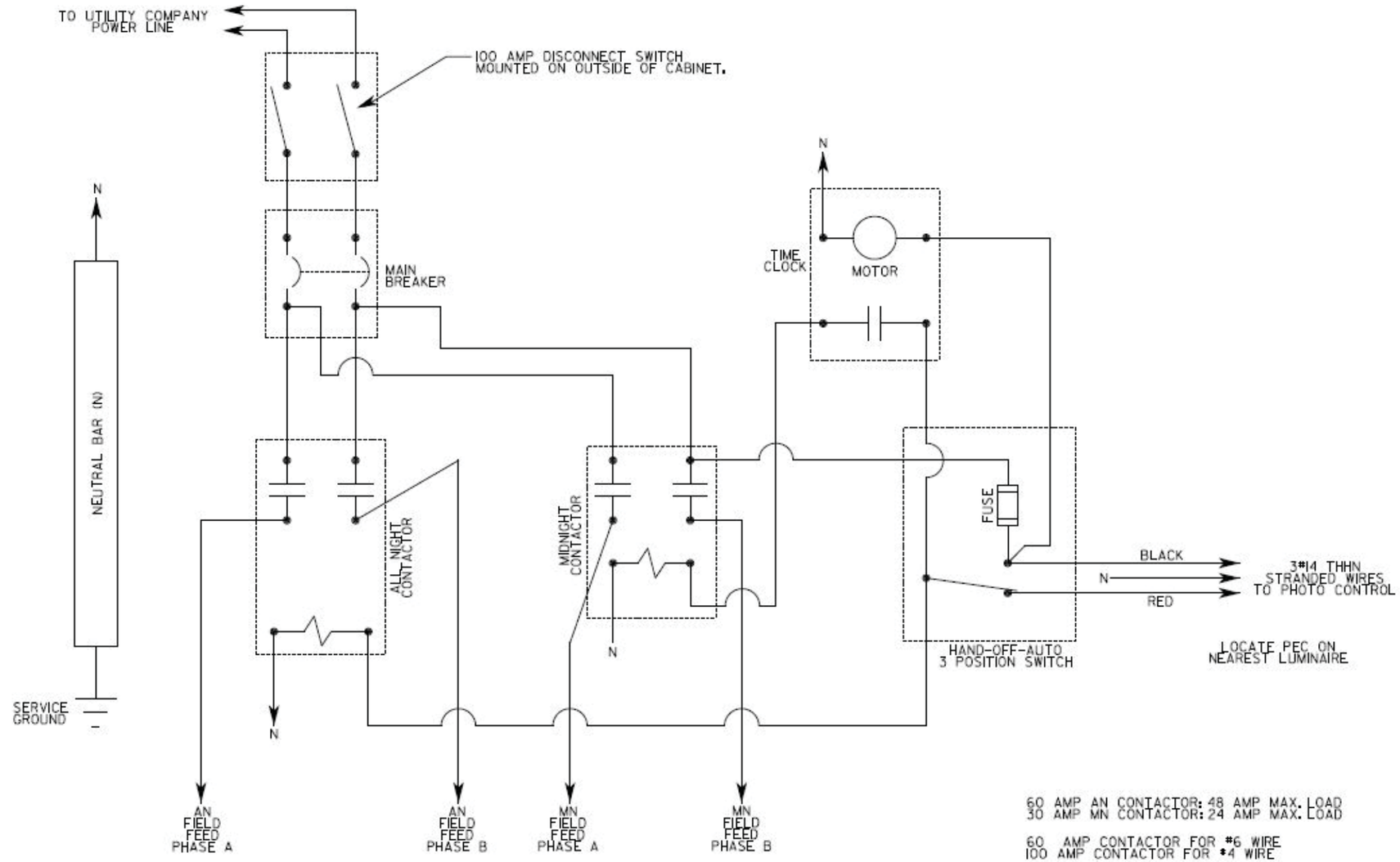


TYPICAL CONDUIT DETAIL



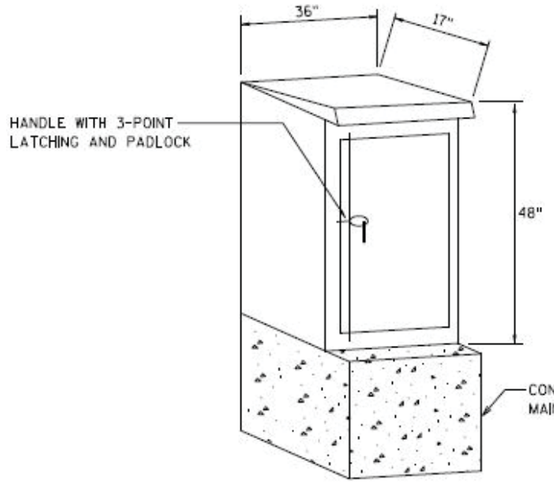
LIGHT POLE LOCATION

2

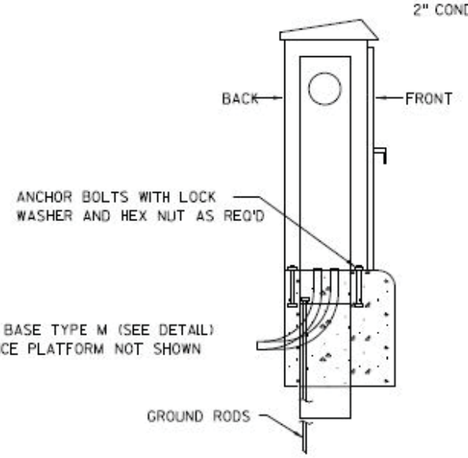


NOTE:
CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

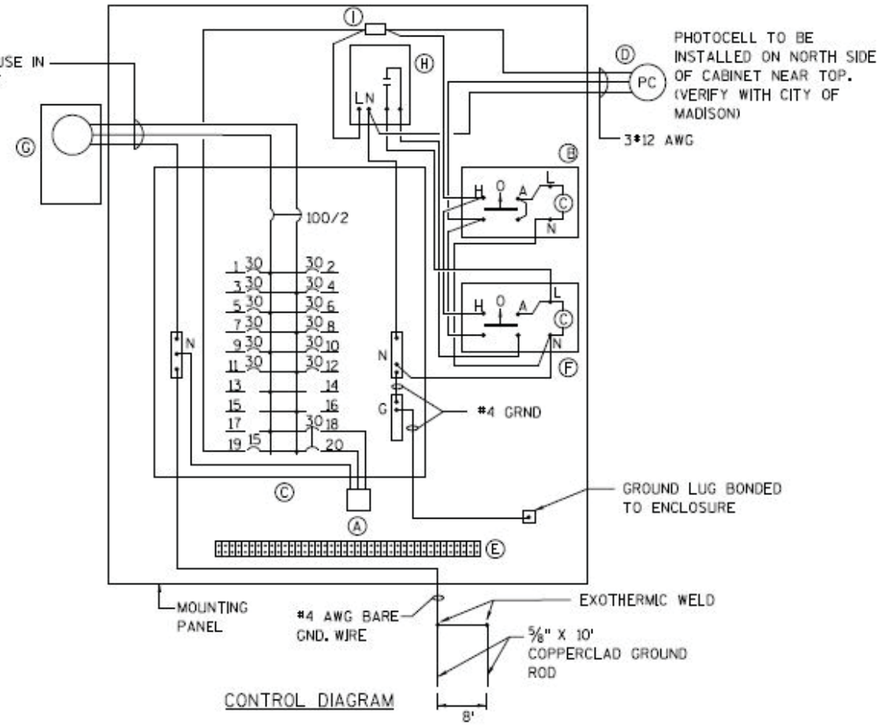
120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL
SCALE: NONE



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.

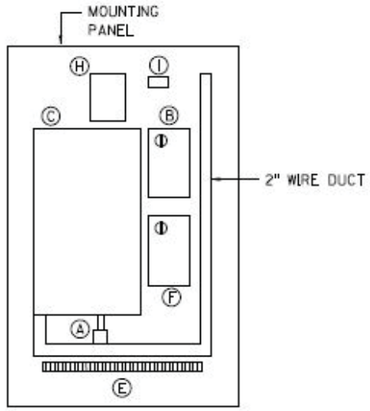
CABINET SHALL NOT OVERLAP THE CONCRETE BASE.

POWER FOR STREETLIGHTING TO COME FROM METERED PEDESTAL.

EQUIPMENT

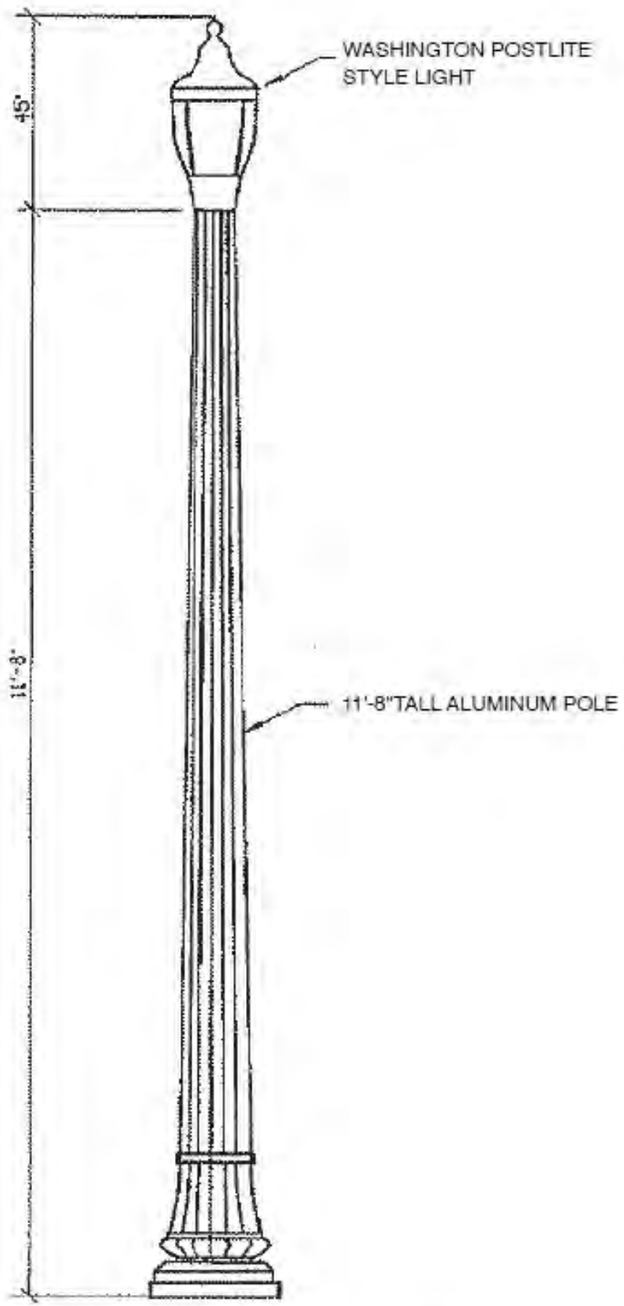
- (A) SURGE ARRESTOR
- (B) 8 POLE, 30A 600V ELECTRICALLY HELD "ALL NIGHT" CONTACTOR, 120V CONTROL COIL, H-O-A SWITCH, NEMA 1 ENCLOSURE
- (C) 100A MCB, 120/240V, 1PH, 3W, 20CKT., PANELBOARD WITH BOLT-ON BRANCH BREAKERS, 22000 A RMS INTERRUPTING CAPACITY.
- (D) BUTTON TYPE PHOTOCELL, 120V.
- (E) FIELD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

LIGHTING CONTROL CABINET DETAIL
SCALE: NONE



EQUIPMENT LAYOUT

PROJECT NO: 5992-09-11	HWY:JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 36	E

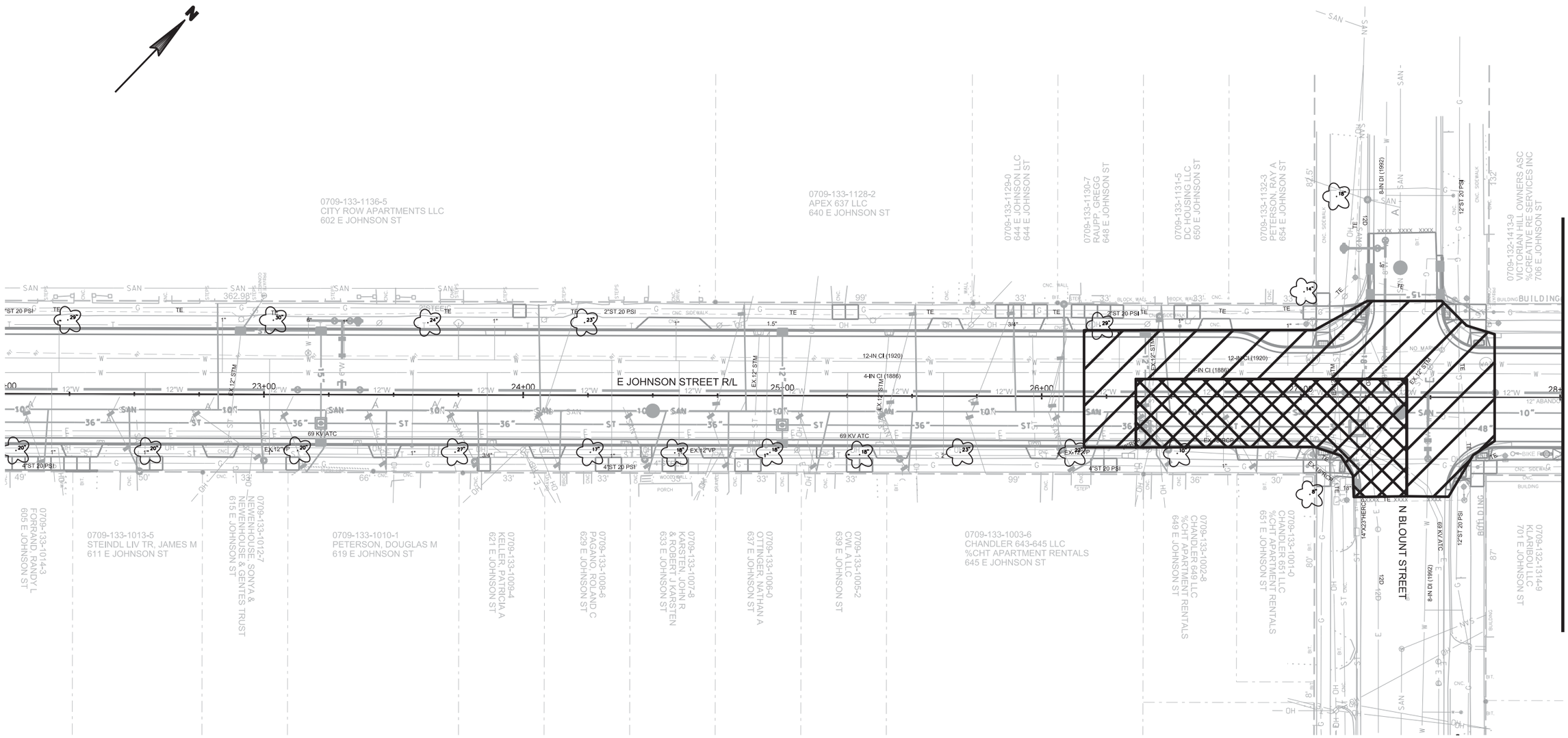


PEDESTRIAN SCALE STREET LIGHT UNIT

STREET LIGHT GENERAL NOTES:

1. ALL PROPOSED LUMINAIRES SHALL BE LED.
2. COORDINATE ALL MODIFICATIONS OF EXISTING LIGHTING CIRCUITS WITH THE OPERATING MUNICIPALITY OR UTILITY.
3. PERFORM CIRCUIT CODUCTOR SPLICES IN PULLBOXES USING APPROVED SUBMERSIBLE MULTI-TAP TERMINAL BLOCK TYPE CONNECTORS. CONNECTORS SHALL BE CONSIDERED INCIDENTAL TO THE ELECTRICAL WIRE LIGHTING BID ITEM.
4. REMOVAL OF ALL AERIAL CABLE AND ABANDONMENT OF BELOW GRADE WIRING SHALL BE INCIDENTAL TO THE REMOVE STREET LIGHT & REMOVING CONCRETE BASES BID ITEMS.
5. CONTACT CITY FORESTRY 48-HURS PRIOR TO INSTALLING STREET LIGHTS IF TREE TRIMMING IS NEEDED.
6. CHECK FOR OVERHEAD UTILITY CONFLICTS PRIOR TO CONSTRUCTING CONCRETE BASES.
7. PLACE LIGHTING CONDUITS IN THE SAME TRENCH AS THRE TRAFFIC SIGNAL CONDITS WHEN POSSIBLE.
9. CLEARLY LABEL UNUSED CONDUCTORS AS “SPARE” IN ALL CONDUIT RUNS CONTAINING UNUSED CONDUCTORS.
10. REFER TO SPECIAL PROVISIONS FOR TEMPORARY LIGHTING REQUIREMENTS.

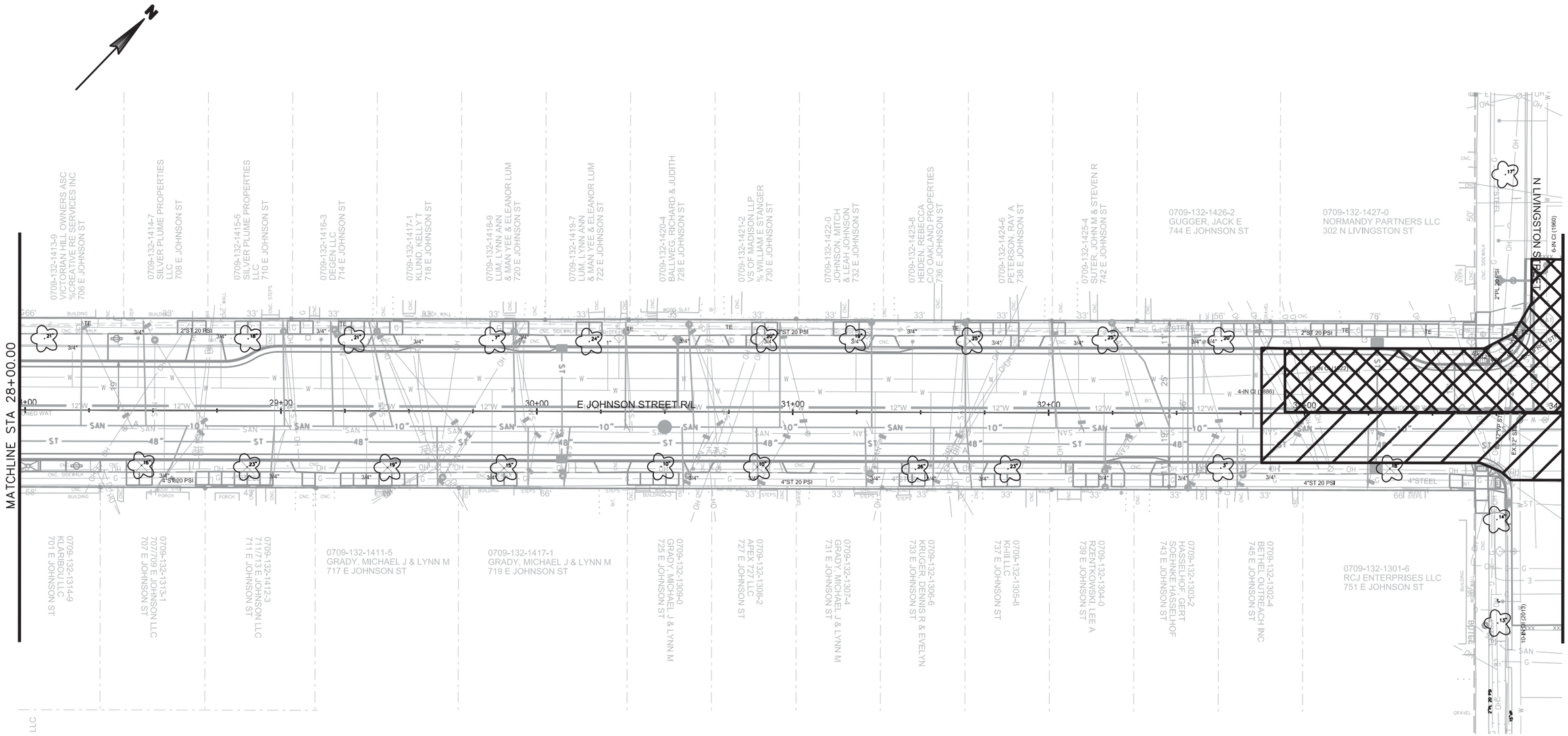
2



APPROXIMATE EXTENT OF POTENTIAL ENVIRONMENTAL CONTAMINATION

▨	POTENTIAL GROUNDWATER CONTAMINATION DEWATERING DISCHARGE TO SANITARY SEWER
▨	POTENTIAL PETROLEUM SOIL & GROUNDWATER CONTAMINATION SOIL EXCAVATION TO LANDFILL AND DEWATERING DISCHARGE TO SANITARY SEWER

2



APPROXIMATE EXTENT OF POTENTIAL ENVIRONMENTAL CONTAMINATION

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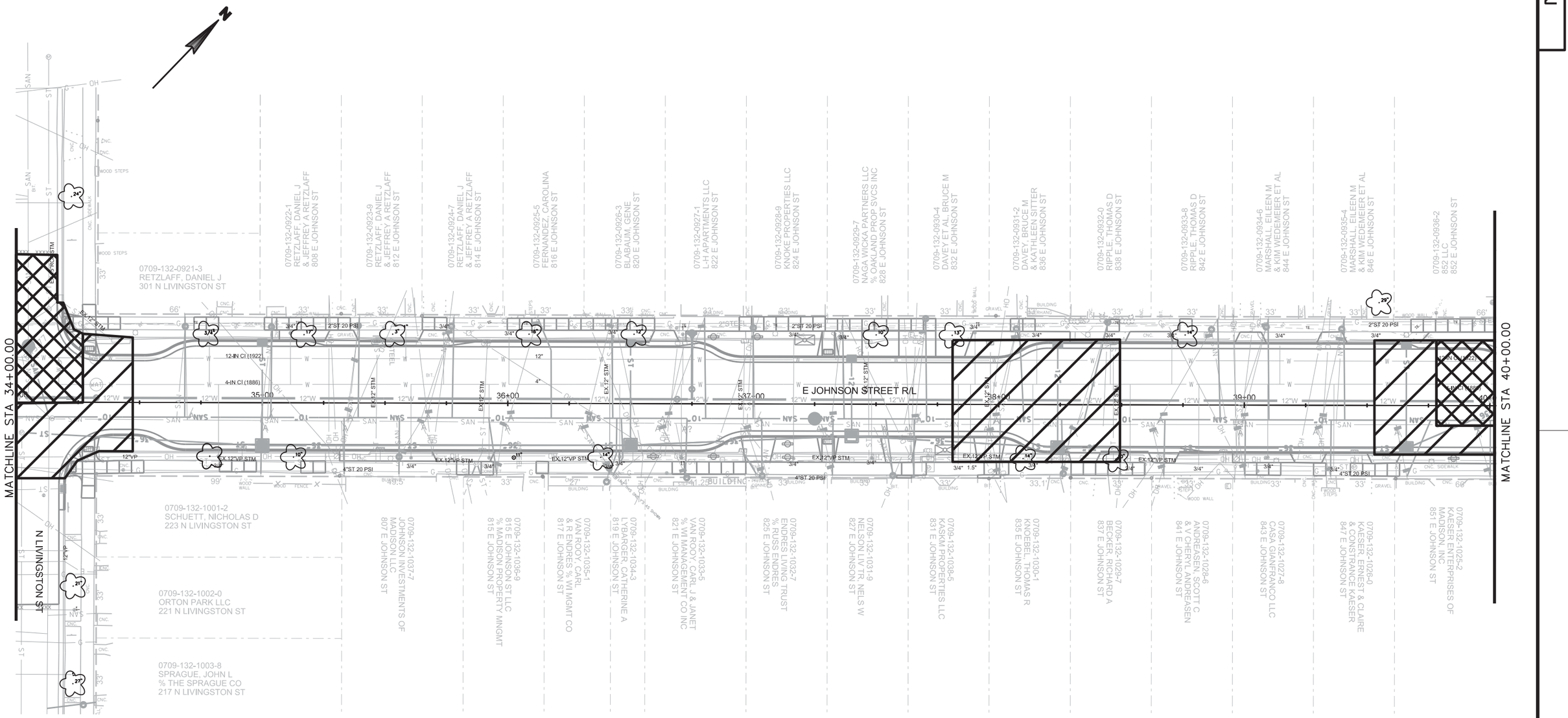
2



APPROXIMATE EXTENT OF POTENTIAL ENVIRONMENTAL CONTAMINATION

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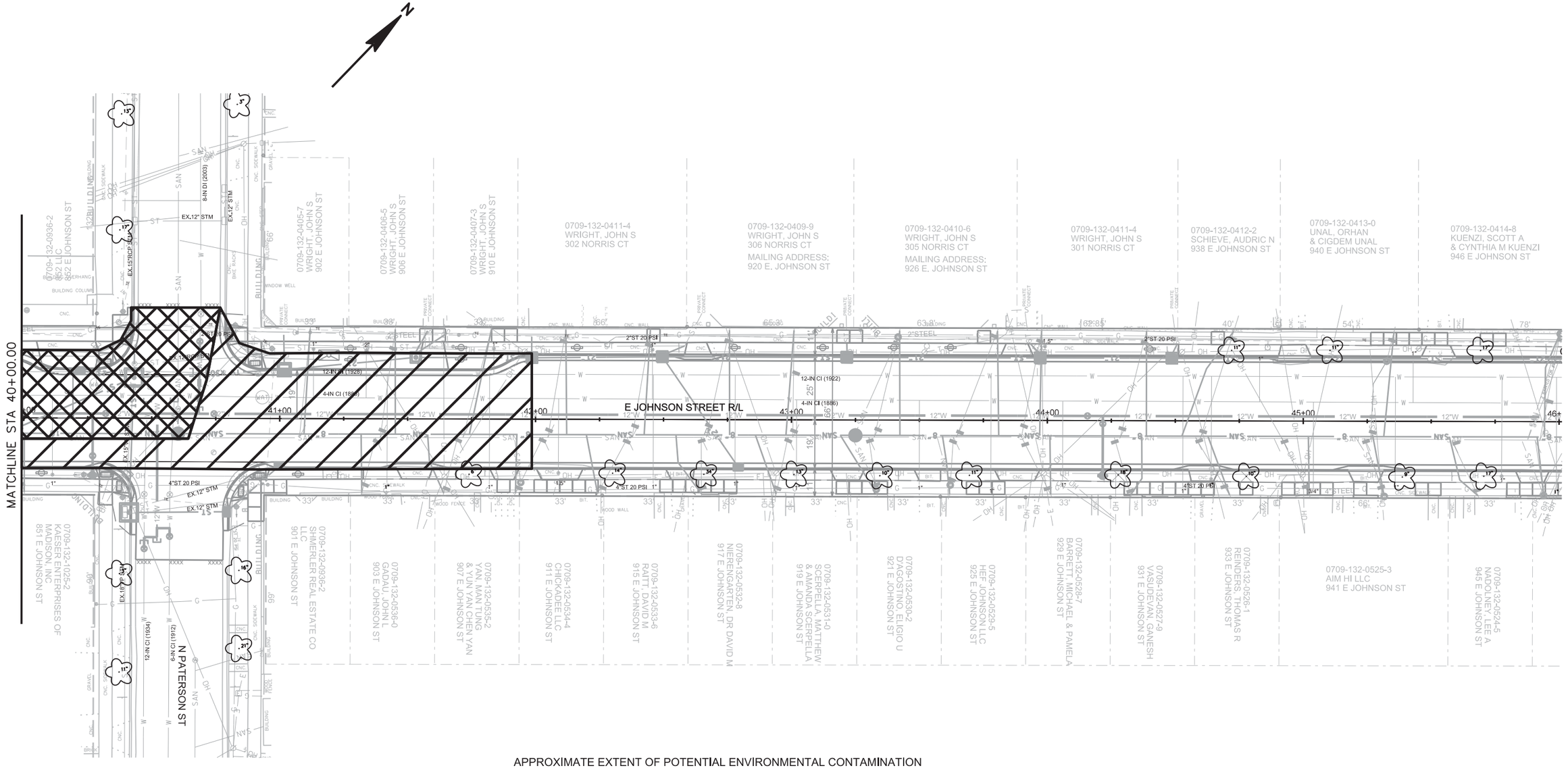
▨	POTENTIAL PETROLEUM SOIL & GROUNDWATER CONTAMINATION SOIL EXCAVATION TO LANDFILL AND DEWATERING DISCHARGE TO SANITARY SEWER

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - HAZARDOUS MATERIALS	SHEET 40	E

2



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS - HAZARDOUS MATERIALS	SHEET 41	E

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0709-144-0626-4
CORONA, LUCIA C
152 E JOHNSON ST

BEGIN PROJECT
STA. 10+60
SAWCUT REQUIRED
MATCH EXISTING

N BUTLER STREET

0709-144-0505-0
GEBHART III, OTTO C
% MADISON PROP MGMT
304 N HAMILTON ST

N HAMILTON STREET

306.75'

0709-133-5501-6
HEES, PHILIP K
303 N HAMILTON ST

EXISTING BIKE RACKS TO REMAIN

SLOPE INTERCEPTS (TYP)

216.88'

EXISTING SW TO REMAIN
5' TERRACE
7' PARKING LANE
6' BIKE LANE
10' TRAVEL LANE
10' TRAVEL LANE
10' TRAVEL\PARKING LANE
5' TERRACE

E JOHNSON STREET R/L

66'
23'
21'
17'
11'

216.9'
264'

0709-133-2201-5
NICHOLS STATION CDM ONRS
ASSC INC%RUSSELL H ENDRES
311 N HANCOCK ST

24'

10+00
11+00
12+00
13+00
14+00
15+00
16

MATCHLINE STA 16+00.00

POB
10+00.00

TRANSITION CURB TYPE, PAY AS "30D"

0709-144-31425-9
APEX INVESTMENT
GROUP VIII LLC
222 N HAMILTON ST

N HAMILTON STREET

0709-133-3207-2
KOTLINSKI, ANDREW J
219 N HAMILTON ST

N BUTLER STREET

SLOPE INTERCEPTS (TYP)

0709-133-2341-9
TZAKIS, DANNY A
301 E JOHNSON ST

0709-133-2340-1
305 E JOHNSON LLC
303 E JOHNSON LLC

0709-133-2338-6
311 E JOHNSON LLC
331 E JOHNSON ST

0709-133-2337-8
317 E JOHNSON LLC
317 E JOHNSON ST

0709-133-2336-0
LILN, TIEN-MIN
& YUH-TZE CHERN
319 E JOHNSON ST

0709-133-2335-2
323 E JOHNSON LLC
% CHRISTOPHER CULVER
323 E JOHNSON ST

PED

N HANCOCK STREET

0709-133-2106-7
MARTIN, BRUCE A & SARA R
401 E JOHNSON ST

0709-133-2105-9
JOHNSON CURTIS LLC
403 E JOHNSON ST

0709-133-2104-1
LOFGREN PROPERTIES 3 LLC
407 E JOHNSON ST

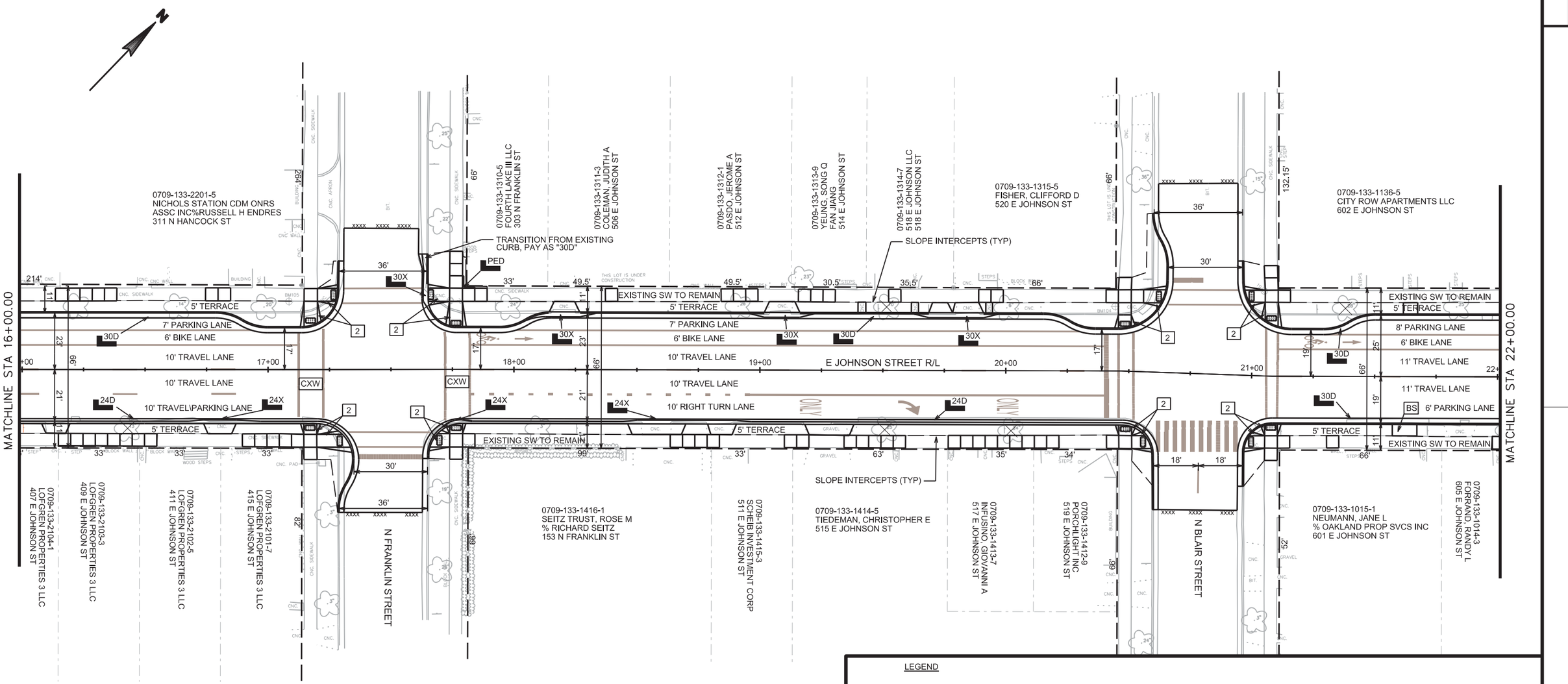
LEGEND

XXXXX	SAWCUT
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
2	CURB RAMP TYPE 2 (SEE S.D.D.)
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)
	TREE REMOVAL (CLEAR & GRUB)
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY
	TREE GRATE, 4' X 8' (SEE DETAILS)
BS	BUS STOP (SEE DETAILS)
RB	REMOVE BIKE RACK
AD	ASPHALTIC DRIVEWAY
CXW	COLORED CROSSWALK

NOTES:

1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

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



NOTES:

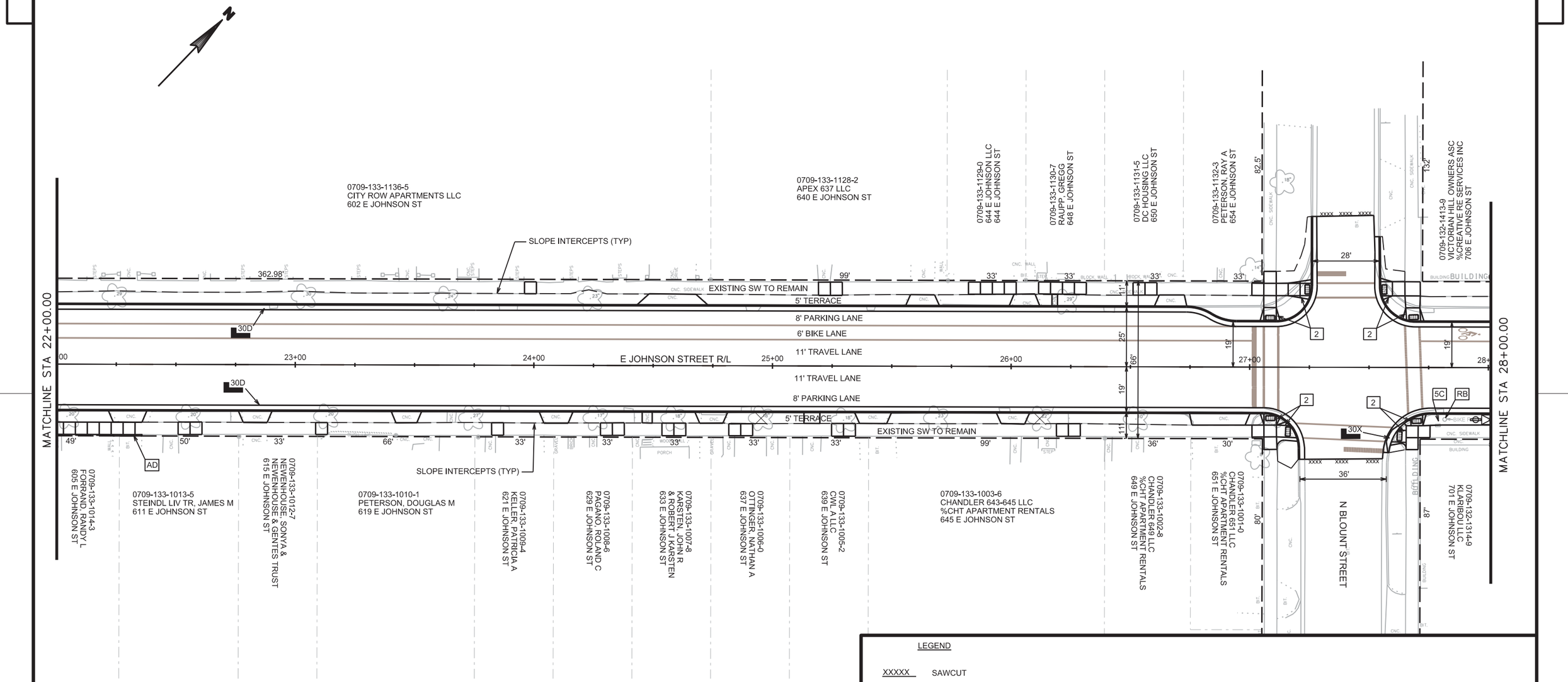
1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

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

LEGEND

XXXXX	SAWCUT		TREE GRATE, 4' X 8' (SEE DETAILS)
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)	BS	BUS STOP (SEE DETAILS)
2	CURB RAMP TYPE 2 (SEE S.D.D.)	RB	REMOVE BIKE RACK
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)	AD	ASPHALTIC DRIVEWAY
	TREE REMOVAL (CLEAR & GRUB)	CXW	COLORED CROSSWALK
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)		
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)		
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY		

2



NOTES:

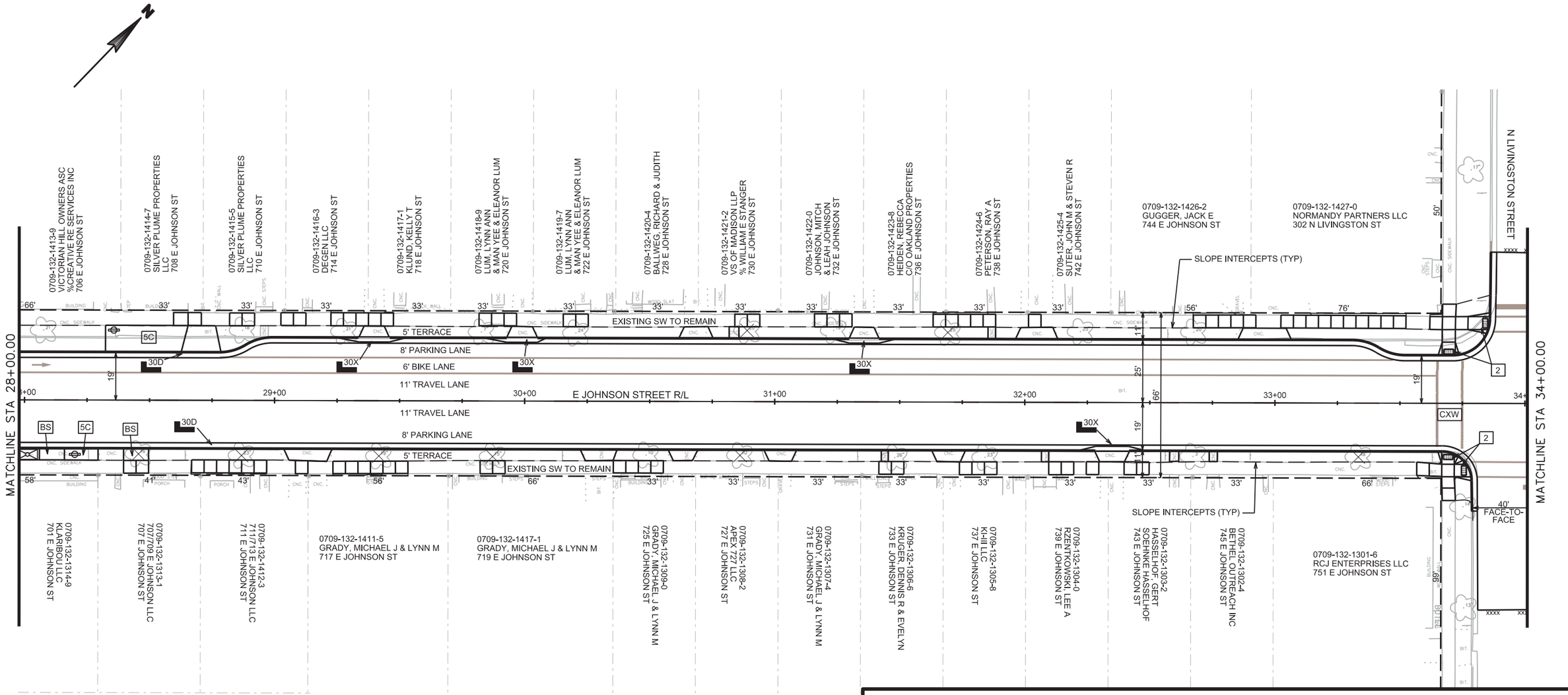
1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

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

LEGEND

XXXXX	SAWCUT
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
2	CURB RAMP TYPE 2 (SEE S.D.D.)
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)
	TREE REMOVAL (CLEAR & GRUB)
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY
	TREE GRATE, 4' X 8' (SEE DETAILS)
BS	BUS STOP (SEE DETAILS)
RB	REMOVE BIKE RACK
AD	ASPHALTIC DRIVEWAY
	BIKE RACK (SEE DETAILS)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS	SHEET 44	E



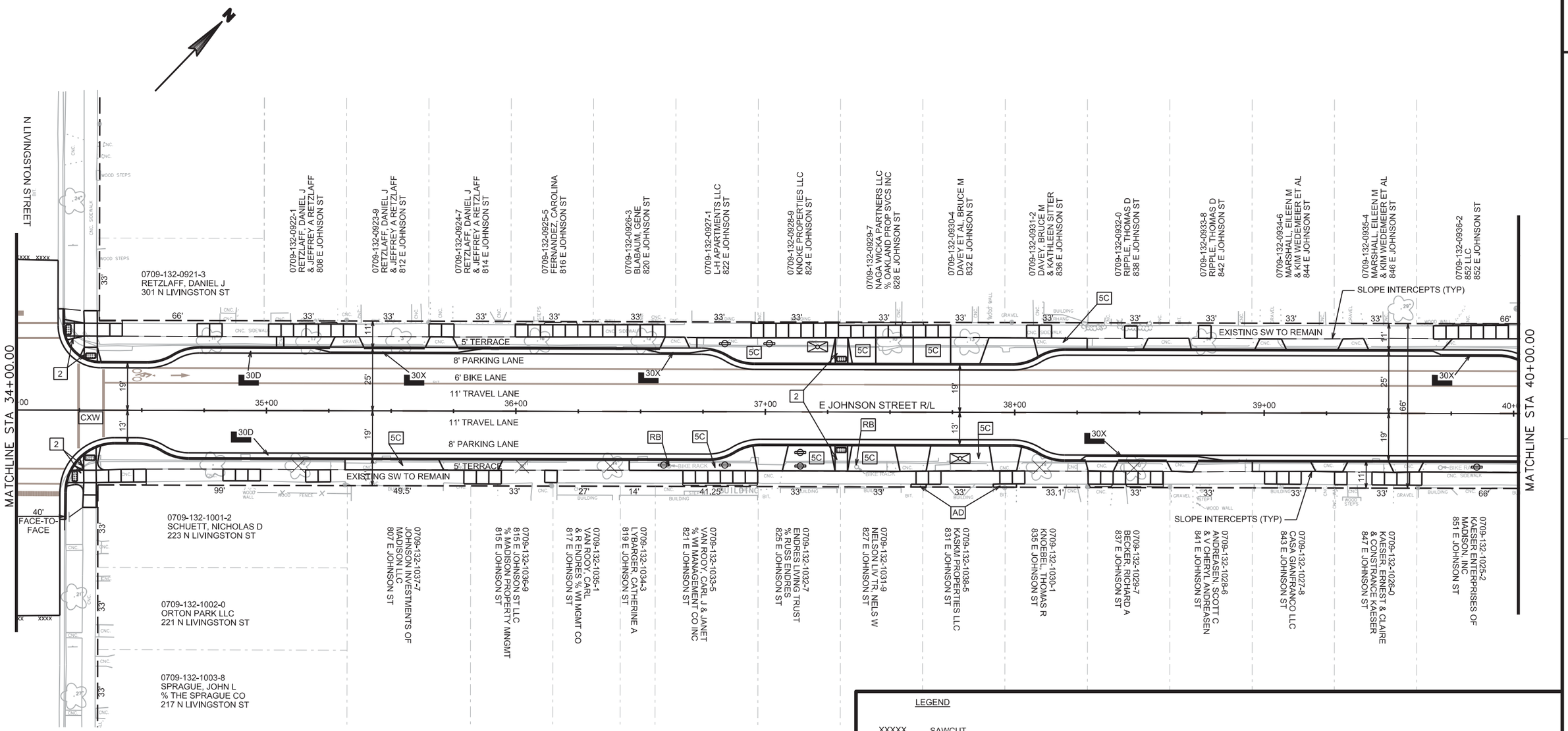
LEGEND

XXXXX	SAWCUT
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
2	CURB RAMP TYPE 2 (SEE S.D.D.)
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)
	TREE REMOVAL (CLEAR & GRUB)
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY
	TREE GRATE, 4' X 8' (SEE DETAILS)
BS	BUS STOP (SEE DETAILS)
RB	REMOVE BIKE RACK
AD	ASPHALTIC DRIVEWAY
	BIKE RACK (SEE DETAILS)
CXW	COLORED CROSSWALK

NOTES:

1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

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



NOTES:

1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

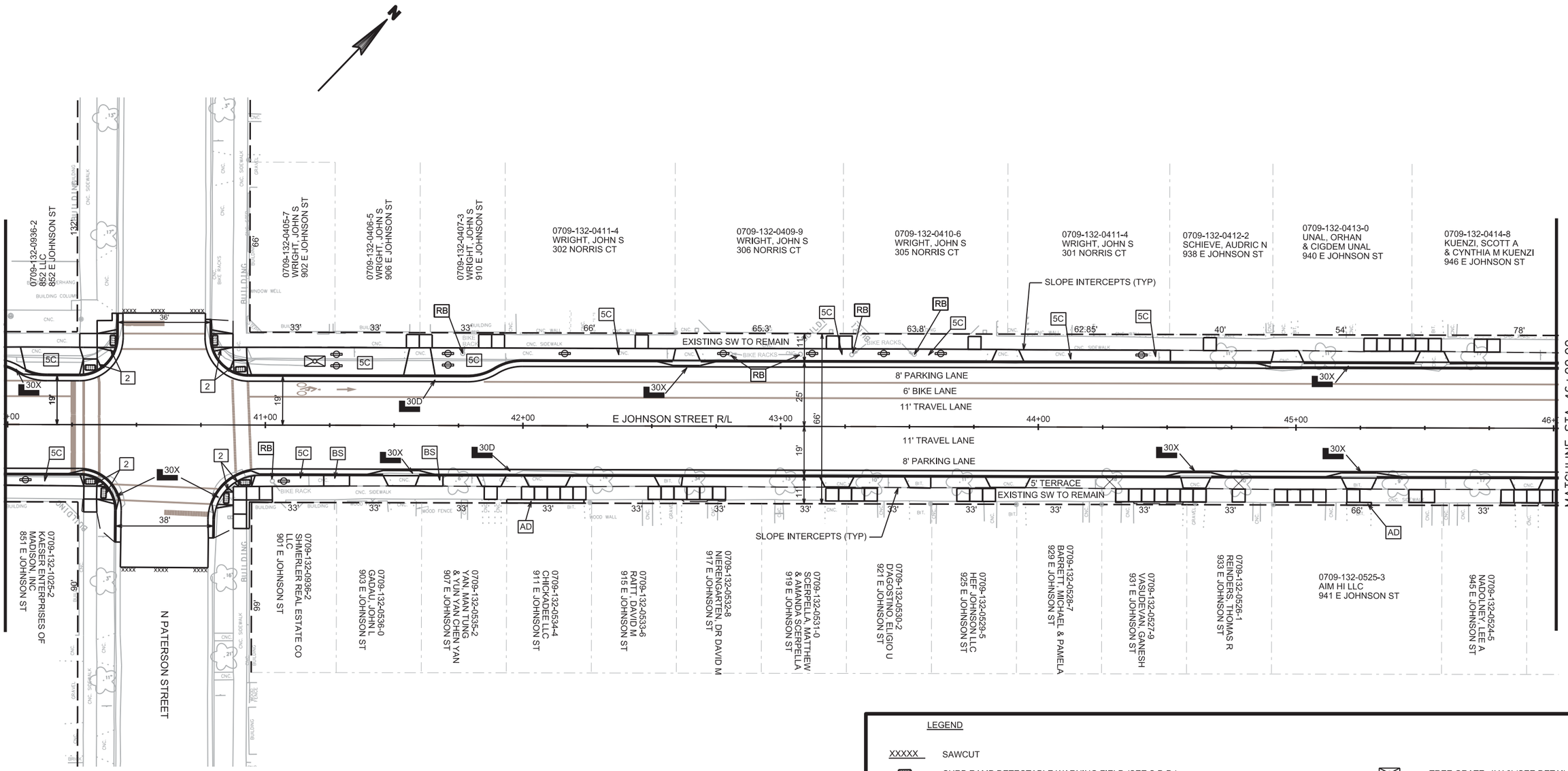
2. ALL EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

XXXXX	SAWCUT
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
2	CURB RAMP TYPE 2 (SEE S.D.D.)
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)
	TREE REMOVAL (CLEAR & GRUB)
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY
	TREE GRATE, 4' X 8' (SEE DETAILS)
BS	BUS STOP (SEE DETAILS)
RB	REMOVE EXISTING BIKE RACK
AD	ASPHALTIC DRIVEWAY
	BIKE RACK (SEE DETAILS)
CXW	COLORED CROSSWALK

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS	SHEET 46 E

2



NOTES:

1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

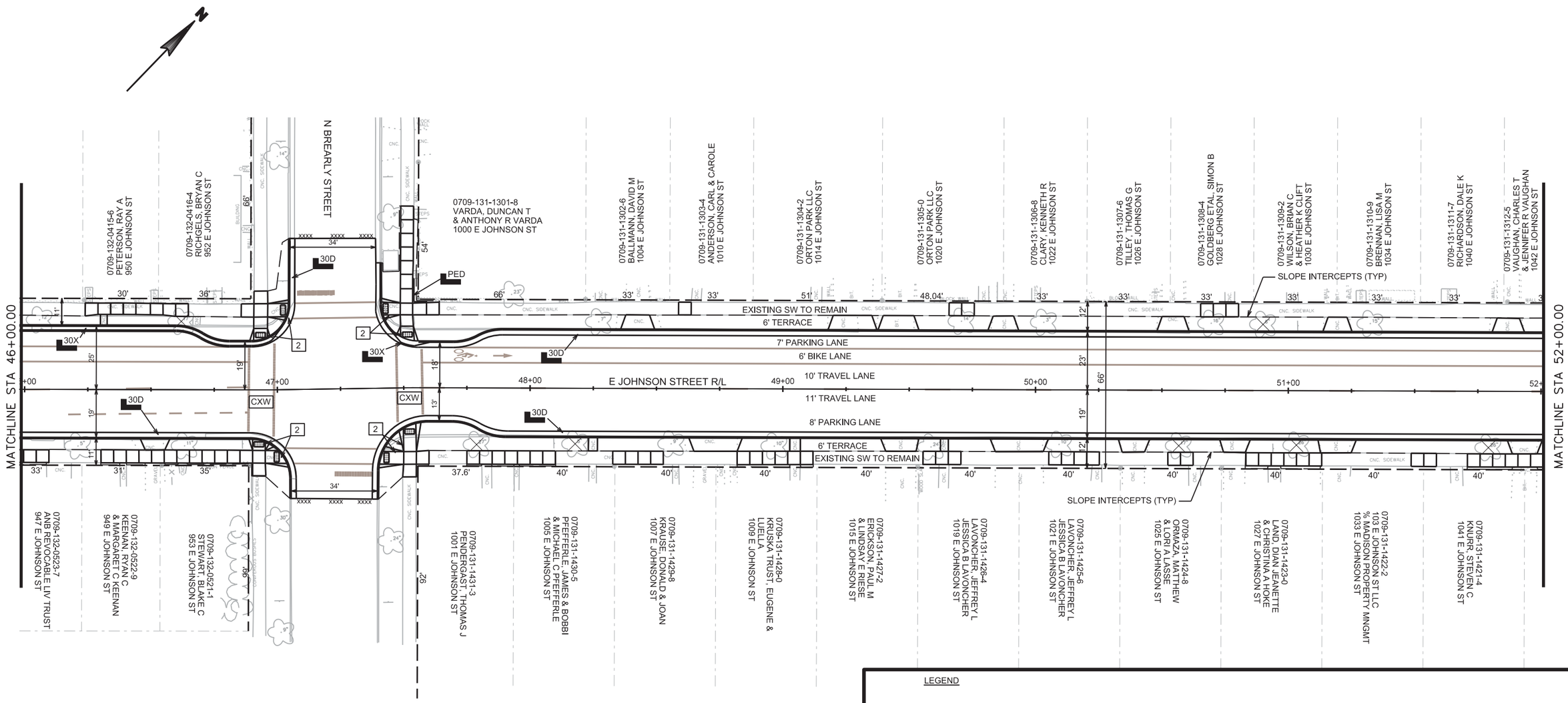
2. ALL EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

XXXXX	SAWCUT
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)
2	CURB RAMP TYPE 2 (SEE S.D.D.)
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)
	TREE REMOVAL (CLEAR & GRUB)
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY
	TREE GRATE, 4' X 8' (SEE DETAILS)
BS	BUS STOP (SEE DETAILS)
RB	REMOVE BIKE RACK
AD	ASPHALTIC DRIVEWAY
	BIKE RACK (SEE DETAILS)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS	SHEET 47	E

2



NOTES:

1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

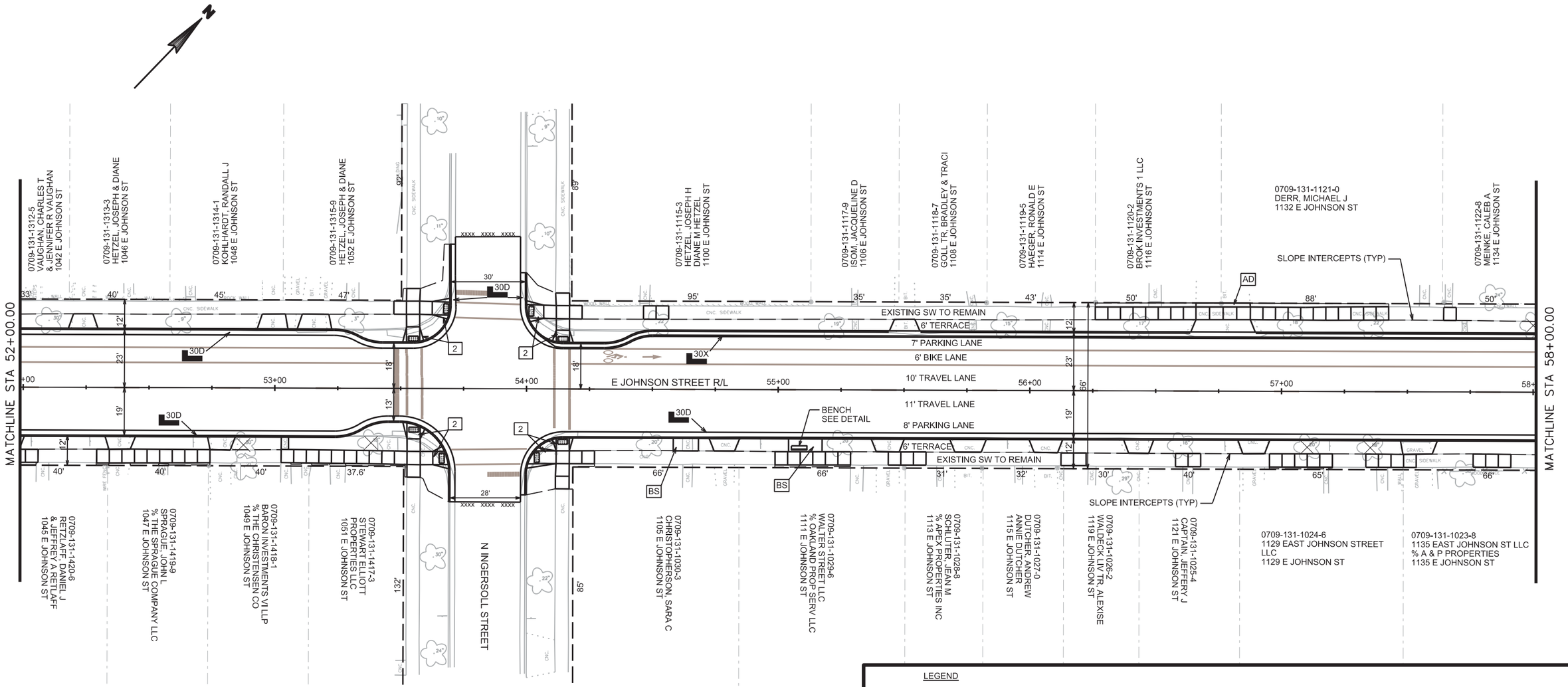
2. ALL EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

XXXXX	SAWCUT		TREE GRATE, 4' X 8' (SEE DETAILS)
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)	BS	BUS STOP (SEE DETAILS)
2	CURB RAMP TYPE 2 (SEE S.D.D.)	RB	REMOVE BIKE RACK
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)	AD	ASPHALTIC DRIVEWAY
	TREE REMOVAL (CLEAR & GRUB)	CXW	COLORED CROSSWALK
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)		
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)		
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY		

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS	SHEET 48 E

2



NOTES:

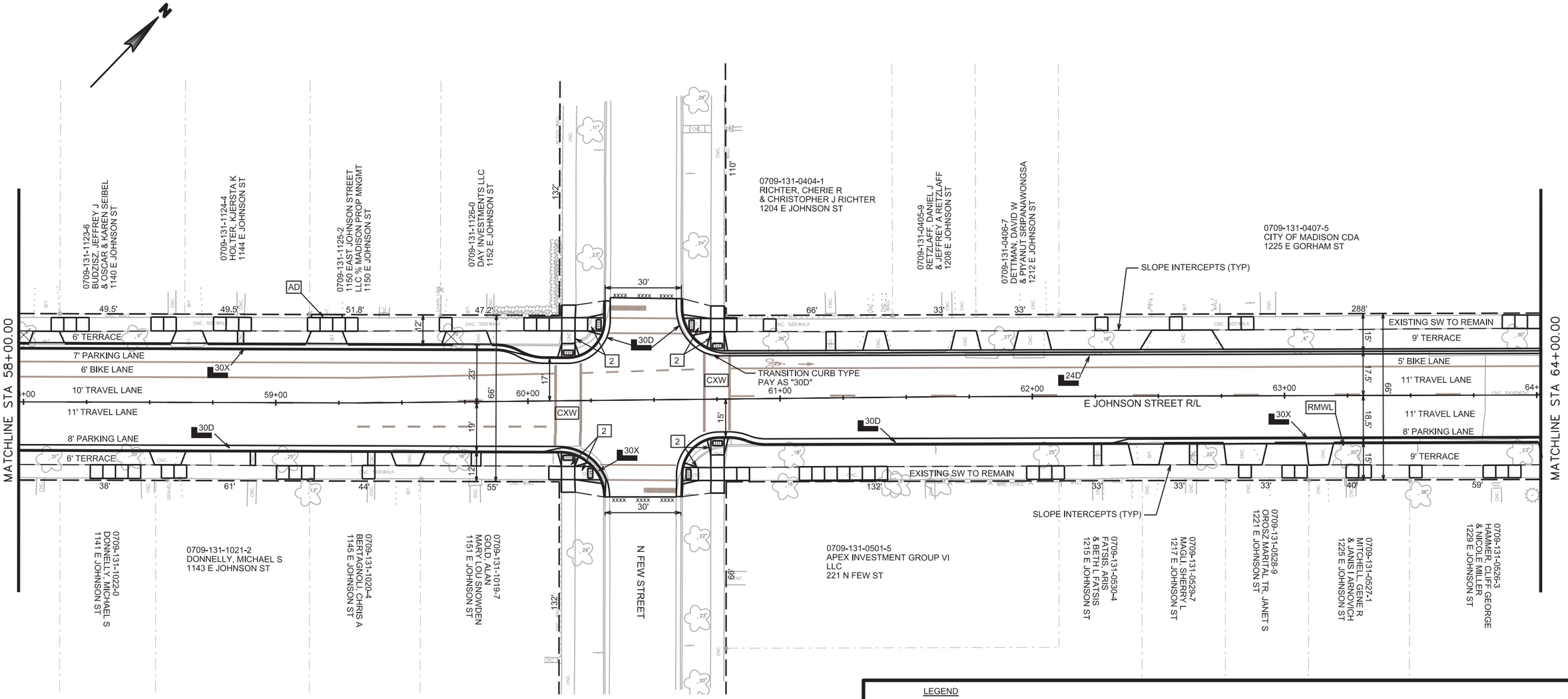
1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

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

LEGEND

XXXXX	SAWCUT		TREE GRATE, 4' X 8' (SEE DETAILS)
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)	BS	BUS STOP (SEE DETAILS)
2	CURB RAMP TYPE 2 (SEE S.D.D.)	RB	REMOVE BIKE RACK
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)	AD	ASPHALTIC DRIVEWAY
	TREE REMOVAL (CLEAR & GRUB)		
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)		
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)		
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY		

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS	SHEET 49	E



LEGEND

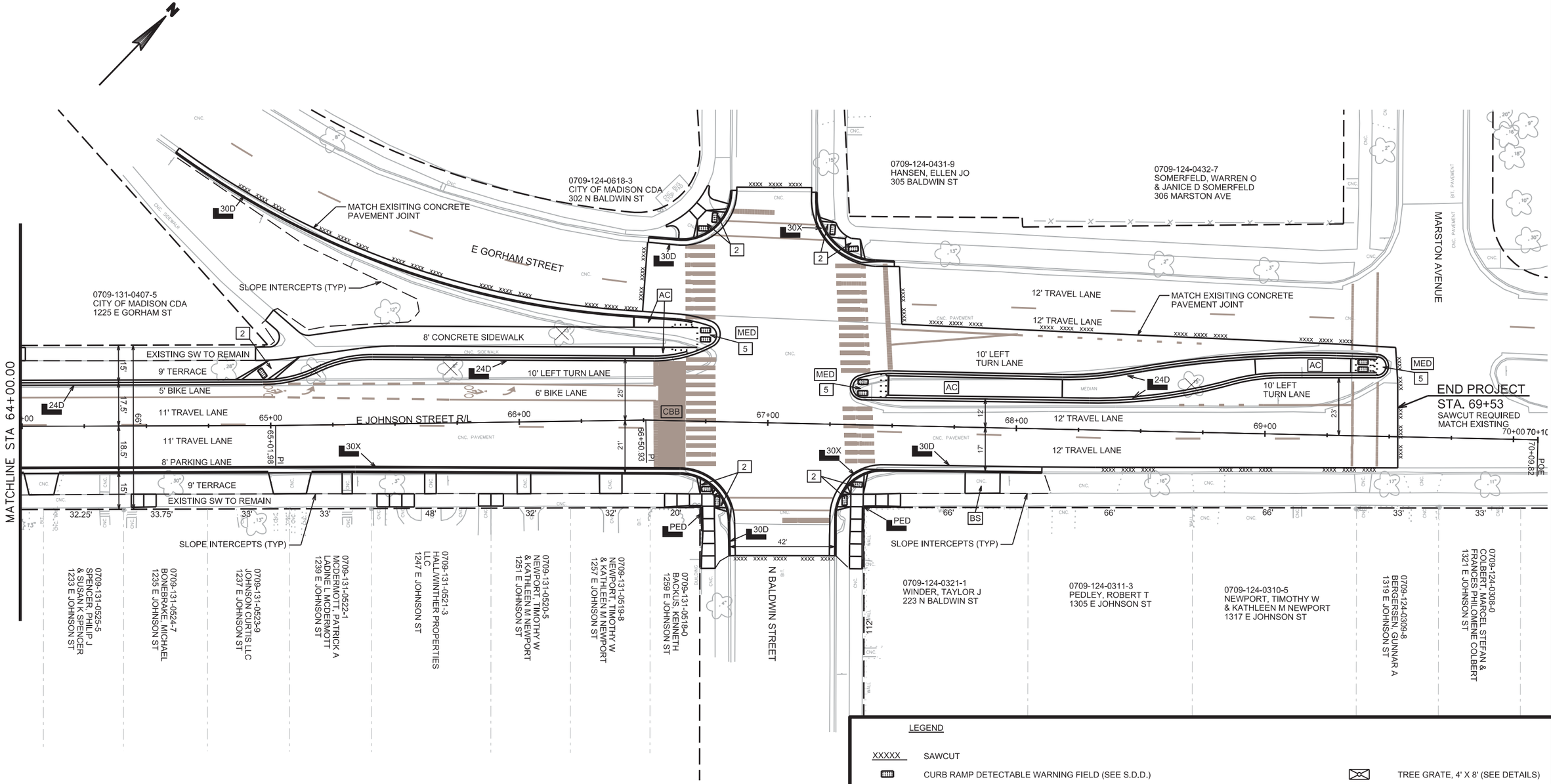
XXXXX	SAWCUT		TREE GRATE, 4' X 8' (SEE DETAILS)
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)	BS	BUS STOP (SEE DETAILS)
2	CURB RAMP TYPE 2 (SEE S.D.D.)	RB	REMOVE BIKE RACK
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)	AD	ASPHALTIC DRIVEWAY
	TREE REMOVAL (CLEAR & GUTTER)	CXW	COLORED CROSSWALK
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)	RMWL	REMOVE TIMBER WALL INCIDENTAL TO EXCAVATION CUT
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)		
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY		

NOTES:

1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

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

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS	SHEET 50	E



NOTES:

1. REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER.

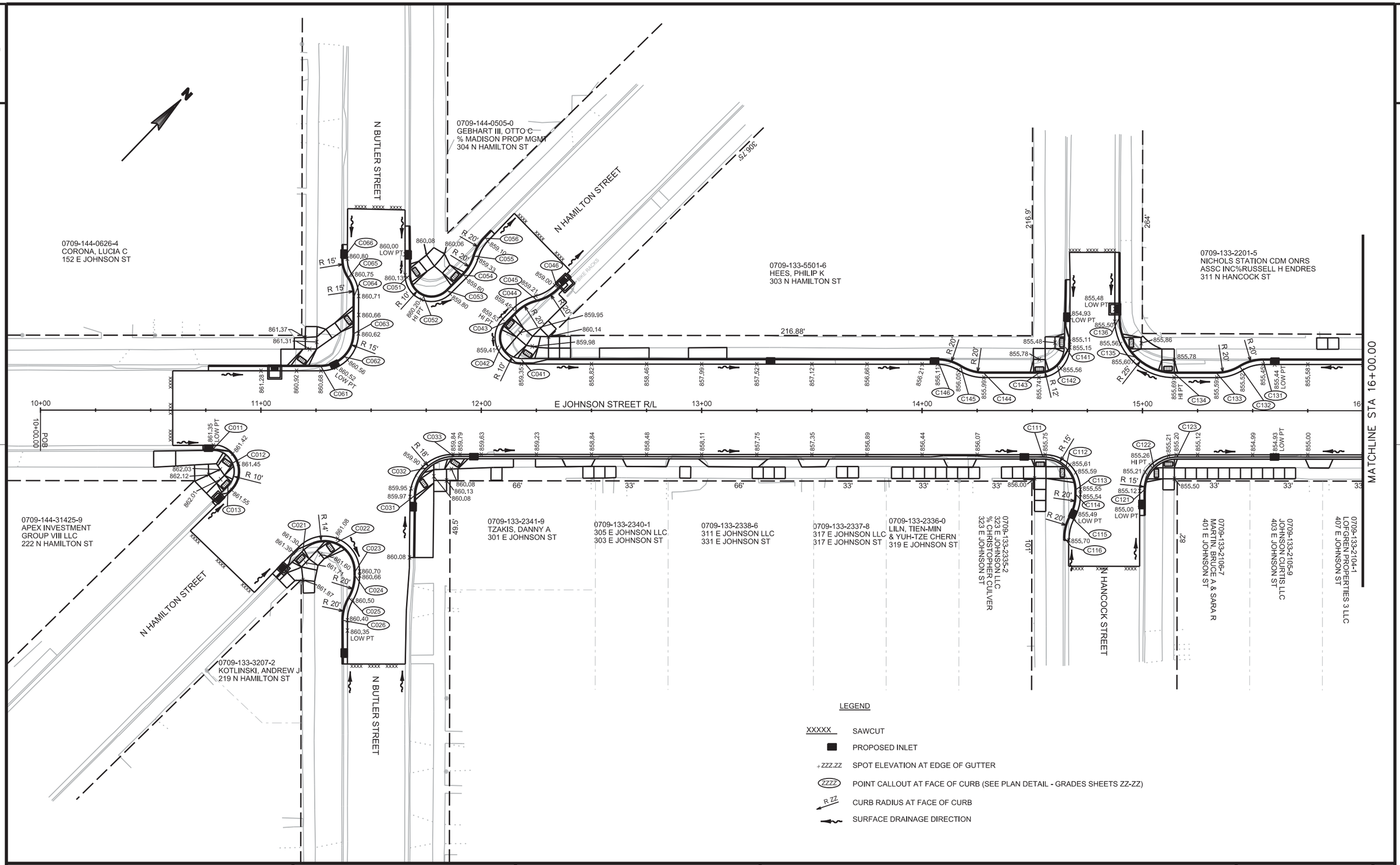
2. ALL EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

LEGEND

XXXXX	SAWCUT		TREE GRATE, 4' X 8' (SEE DETAILS)
	CURB RAMP DETECTABLE WARNING FIELD (SEE S.D.D.)	BS	BUS STOP (SEE DETAILS)
2 OR 5	CURB RAMP TYPE 2 OR TYPE 5 (SEE S.D.D.)	RB	REMOVE BIKE RACK
ZZ-Z	CONCRETE CURB & GUTTER 'ZZ'-INCH TYPE 'Z' SPECIAL (SEE CONSTRUCTION DETAILS)	AD	ASPHALTIC DRIVEWAY
	TREE REMOVAL (CLEAR & GRUB)	AC	ARCHITECTURAL CONCRETE 5-INCH (SEE DETAILS)
5C	CONCRETE SIDEWALK 5-INCH (TERRACE - SEED OR SOD IF NOT NOTED)	CBB	COLORED BIKE BOX
	CONCRETE SIDEWALK 5-INCH OR 7-INCH (REPLACEMENT)		
	CONCRETE DRIVEWAY 7-INCH, REMOVE EXISTING DRIVEWAY		
MED	CONCRETE MEDIAN NOSE (SEE DETAILS)		

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS	SHEET 51	E

2



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\90% Plans\DGNs\53W0740EN-Plan Detail Grades*1.dgn PLOT DATE : 8/30/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 40.0000 sf / in.

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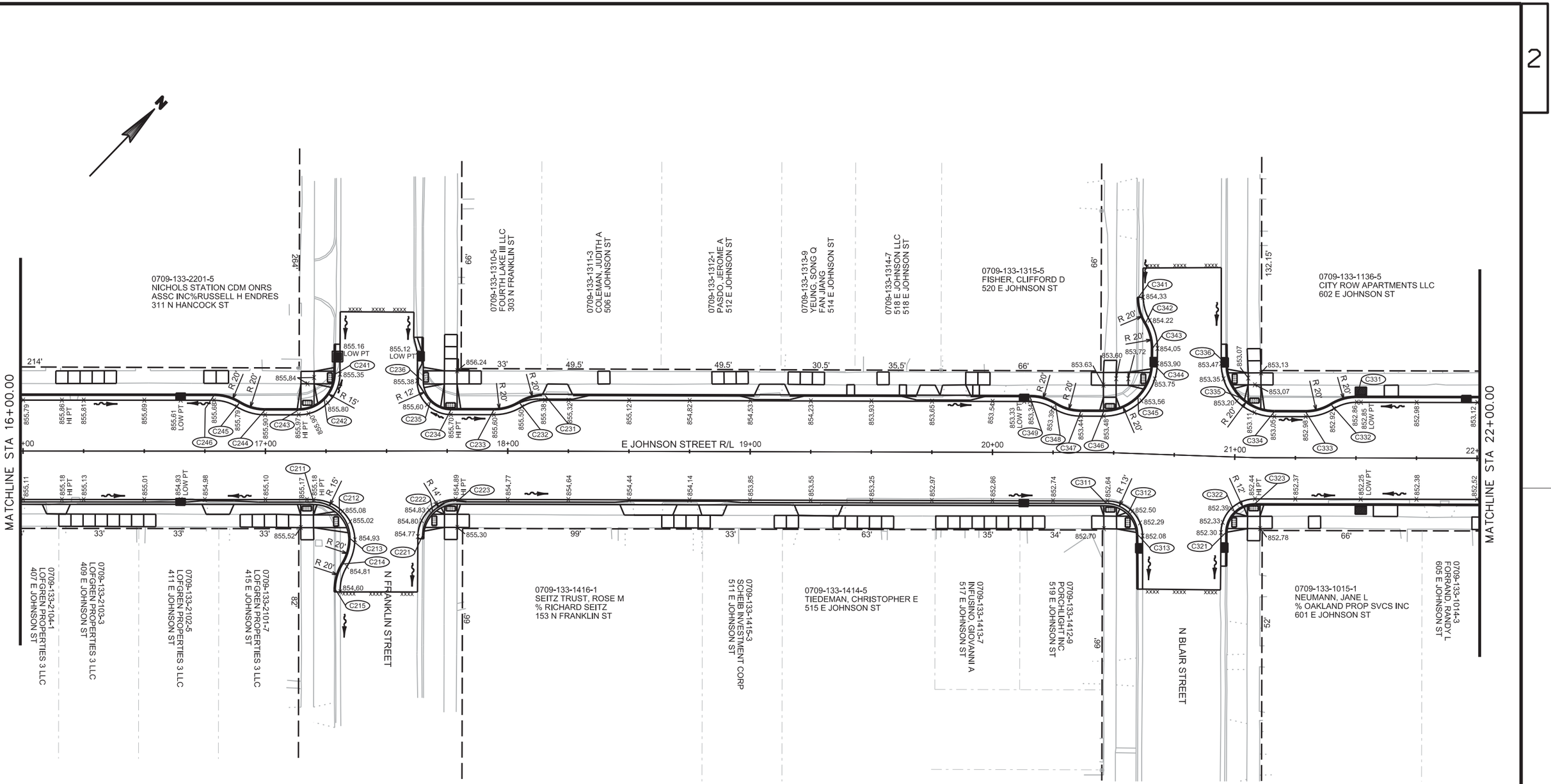


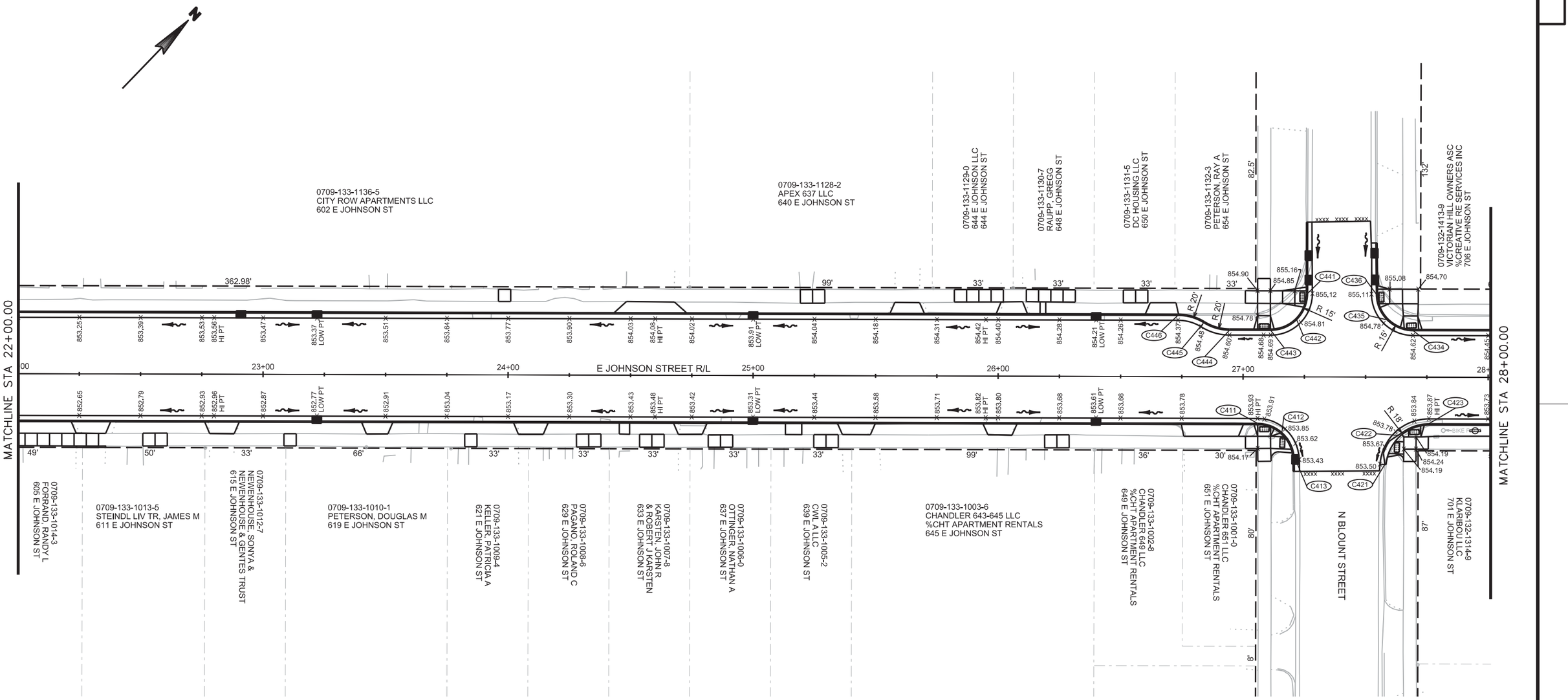
LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
~~	SURFACE DRAINAGE DIRECTION
■	PROPOSED TERRACE INLET

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\90% Plans\DGNs\53W0740EN-Plan Detail Grades*2.dgn PLOT DATE : 8/30/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 40.0000 sf / in.

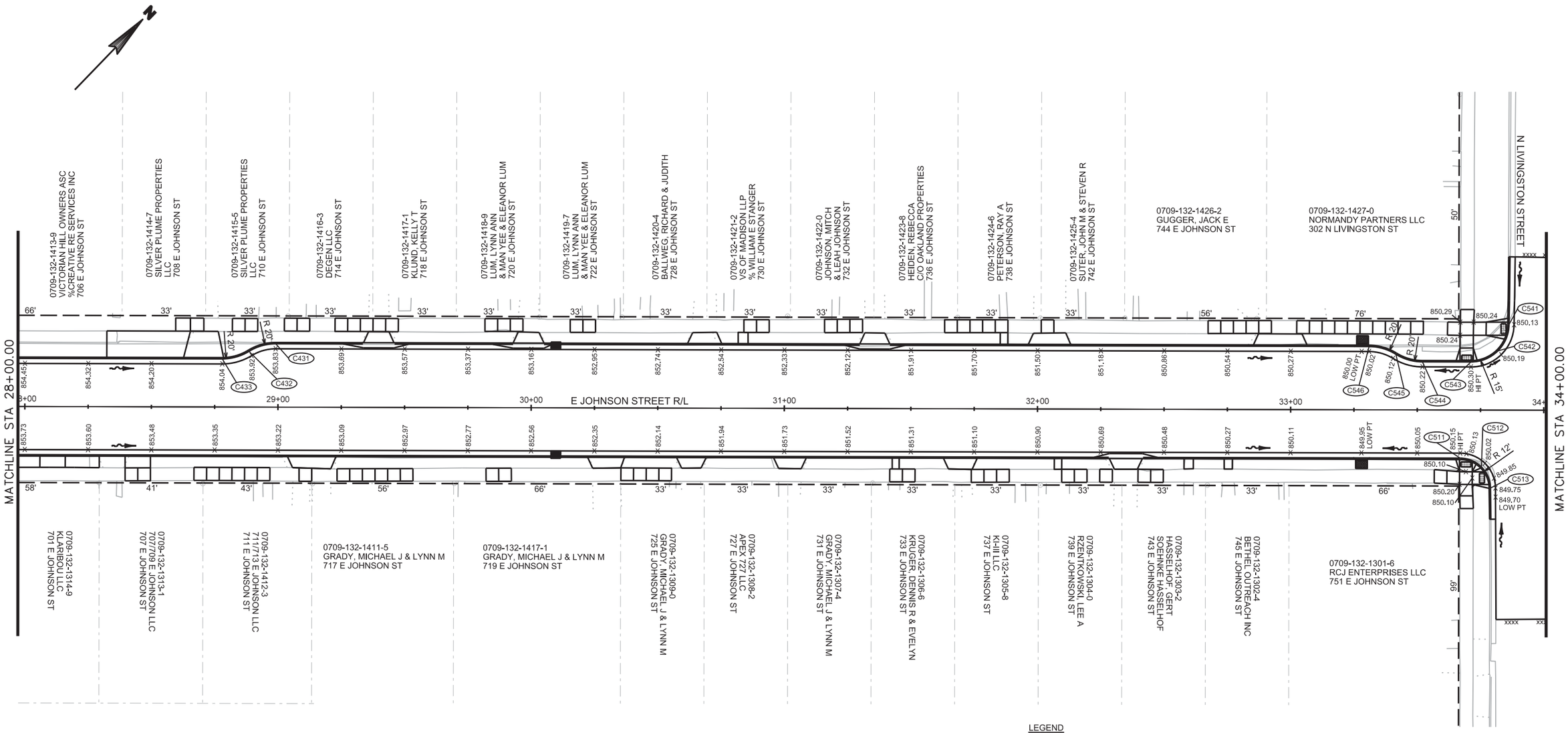
2



LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
~~	SURFACE DRAINAGE DIRECTION

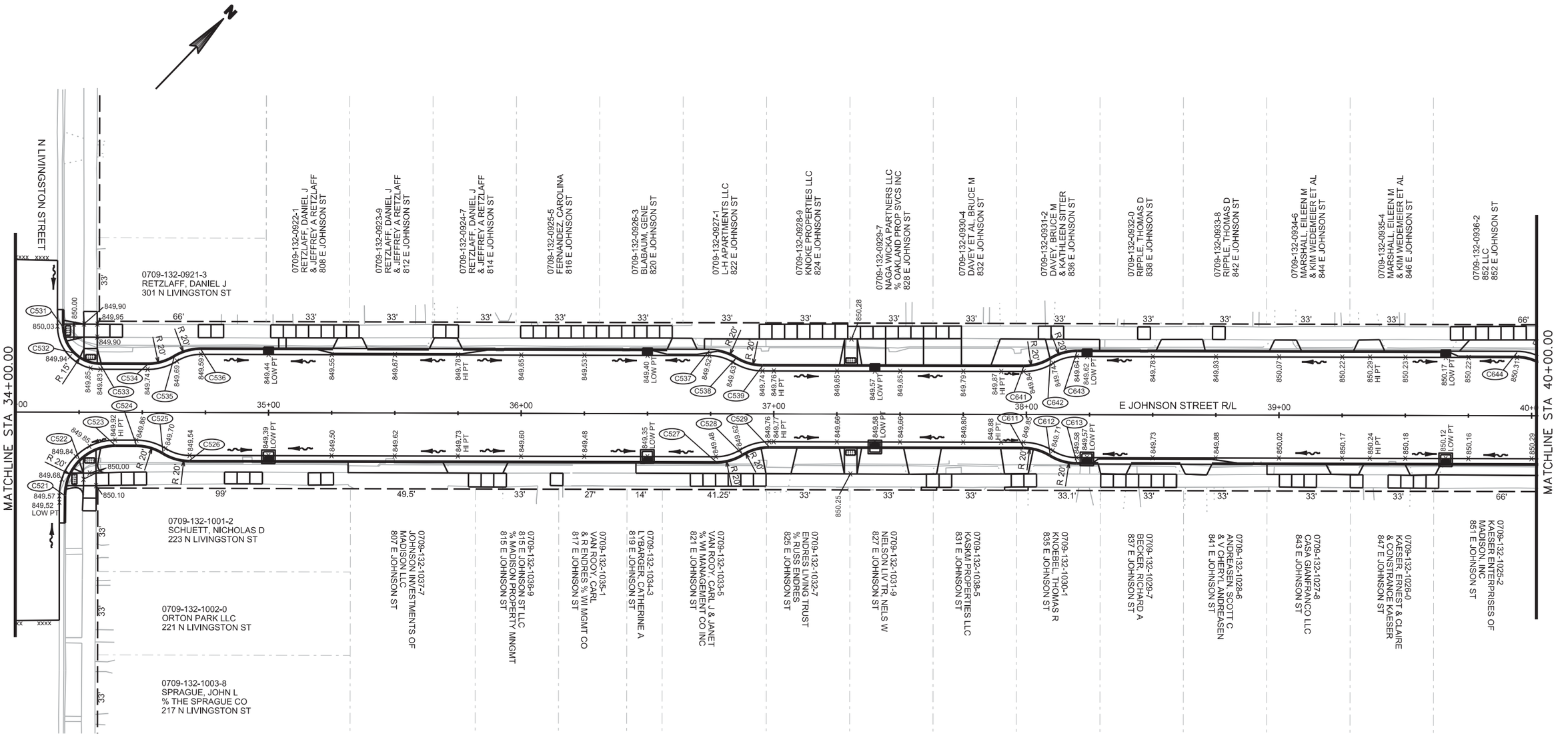
2



LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
~→	SURFACE DRAINAGE DIRECTION
▼	PROPOSED TERRACE INLET

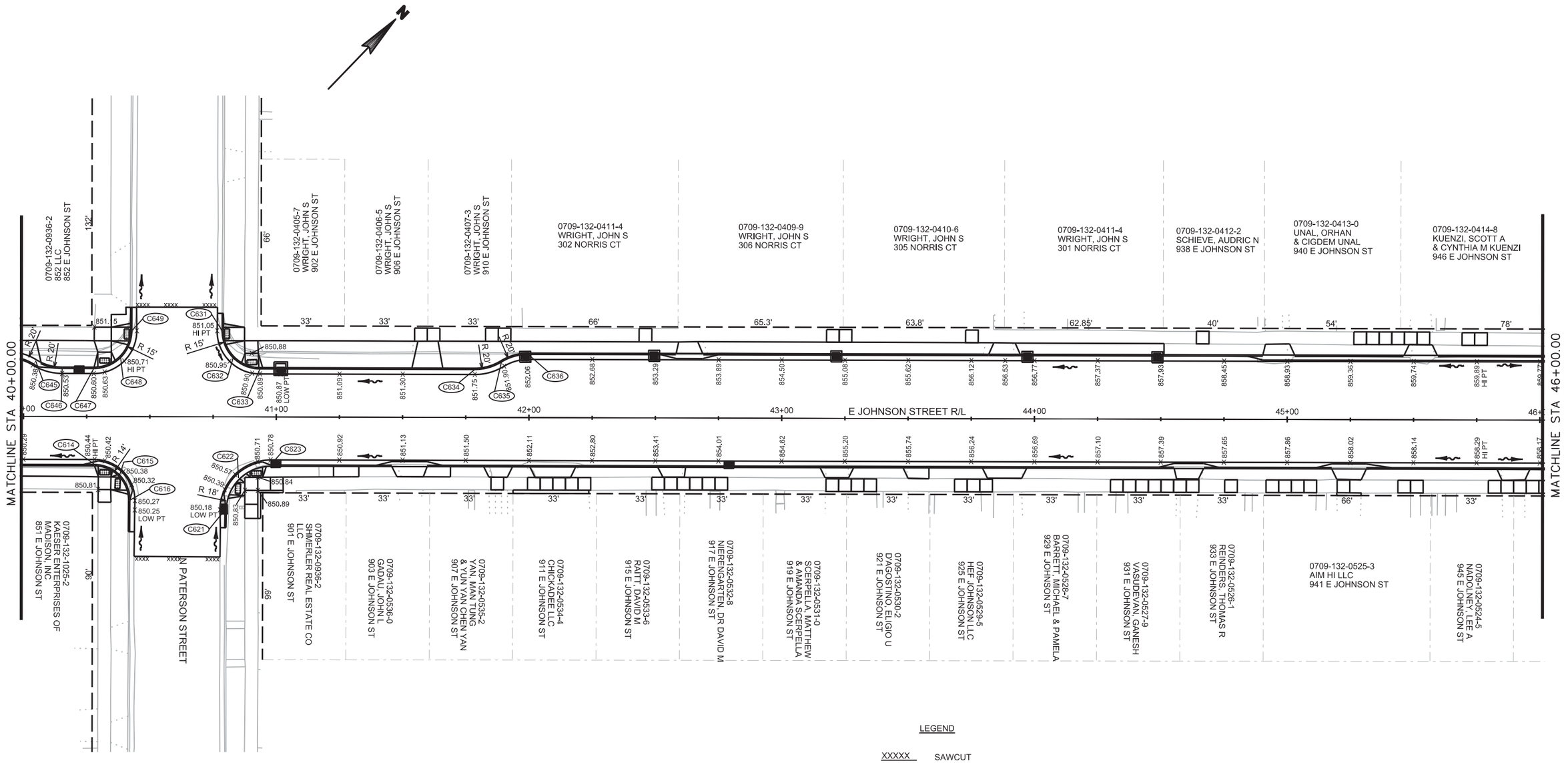
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET 55	E



LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
	SURFACE DRAINAGE DIRECTION

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET 56	E

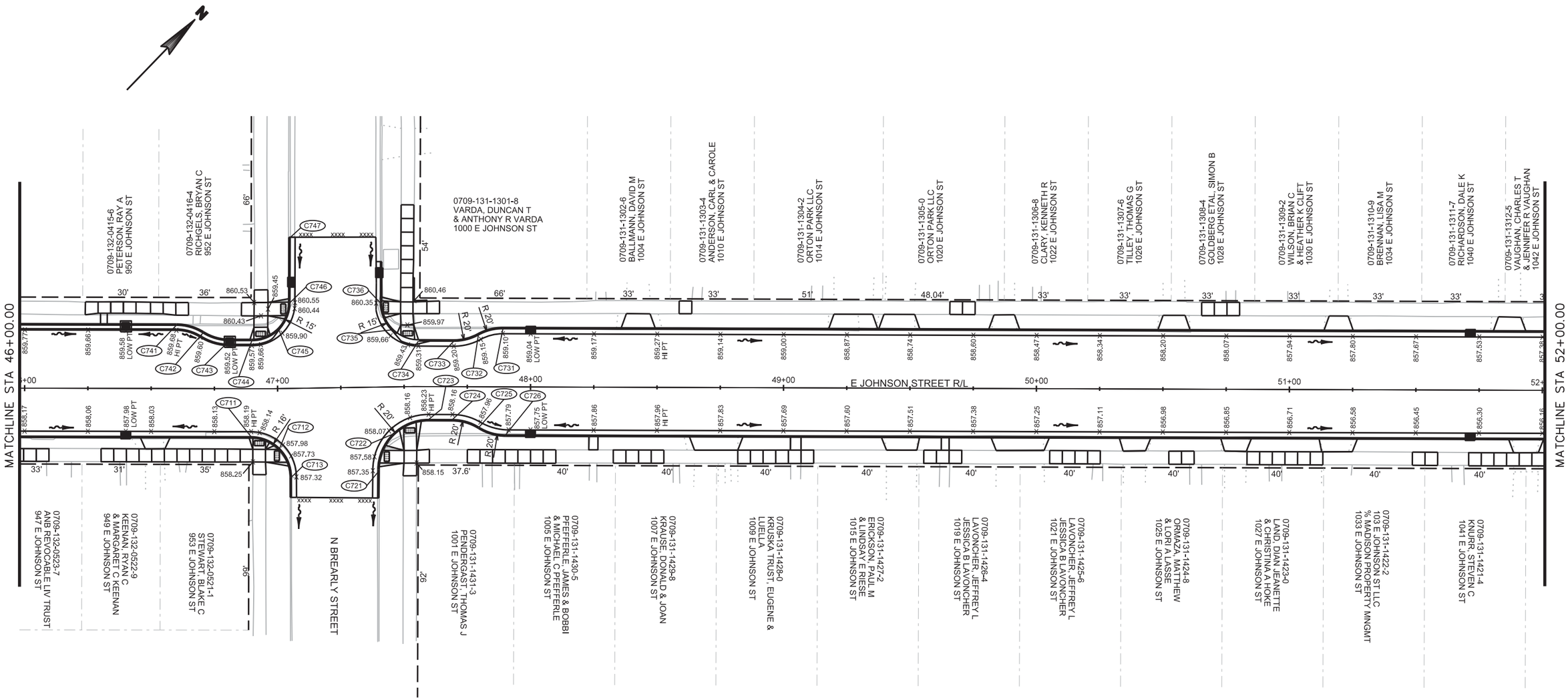


LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
	SURFACE DRAINAGE DIRECTION

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET 57	E

2

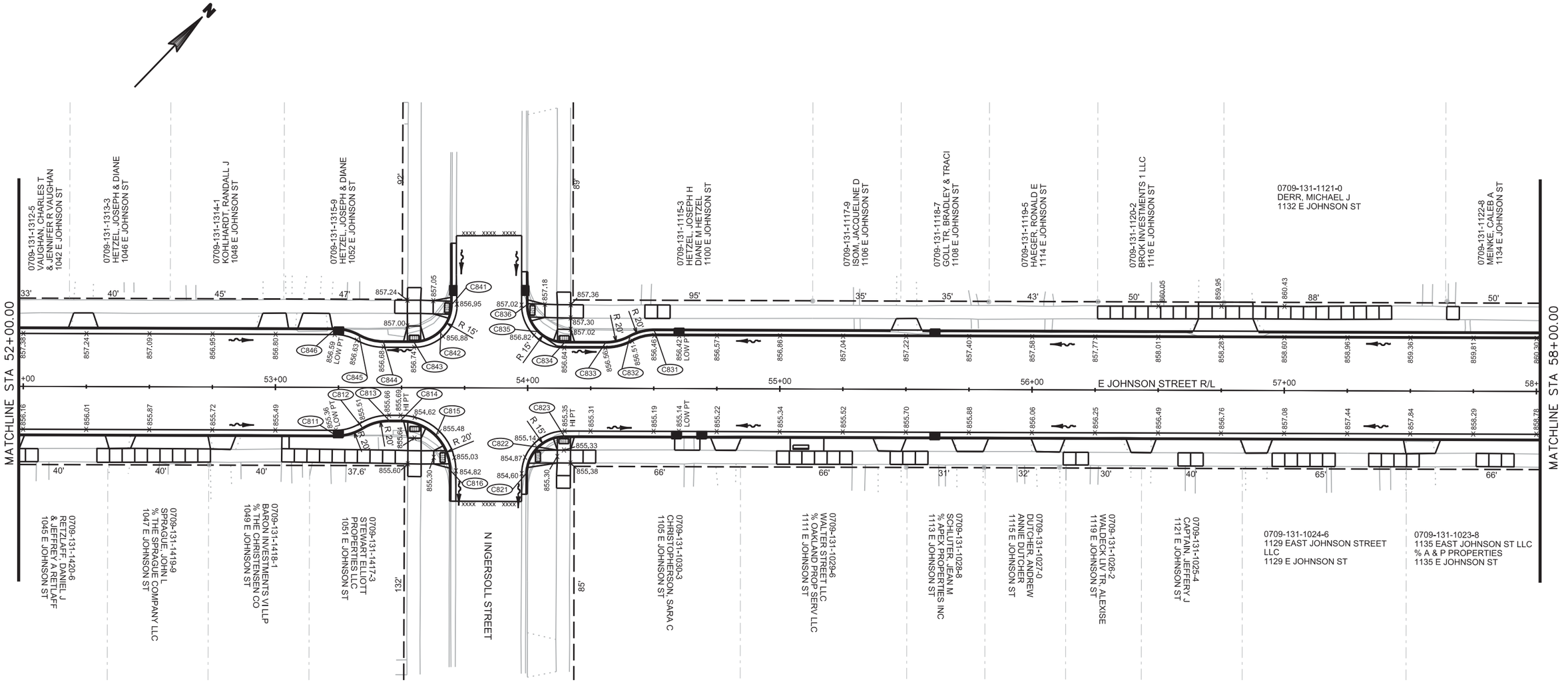


LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
	SURFACE DRAINAGE DIRECTION

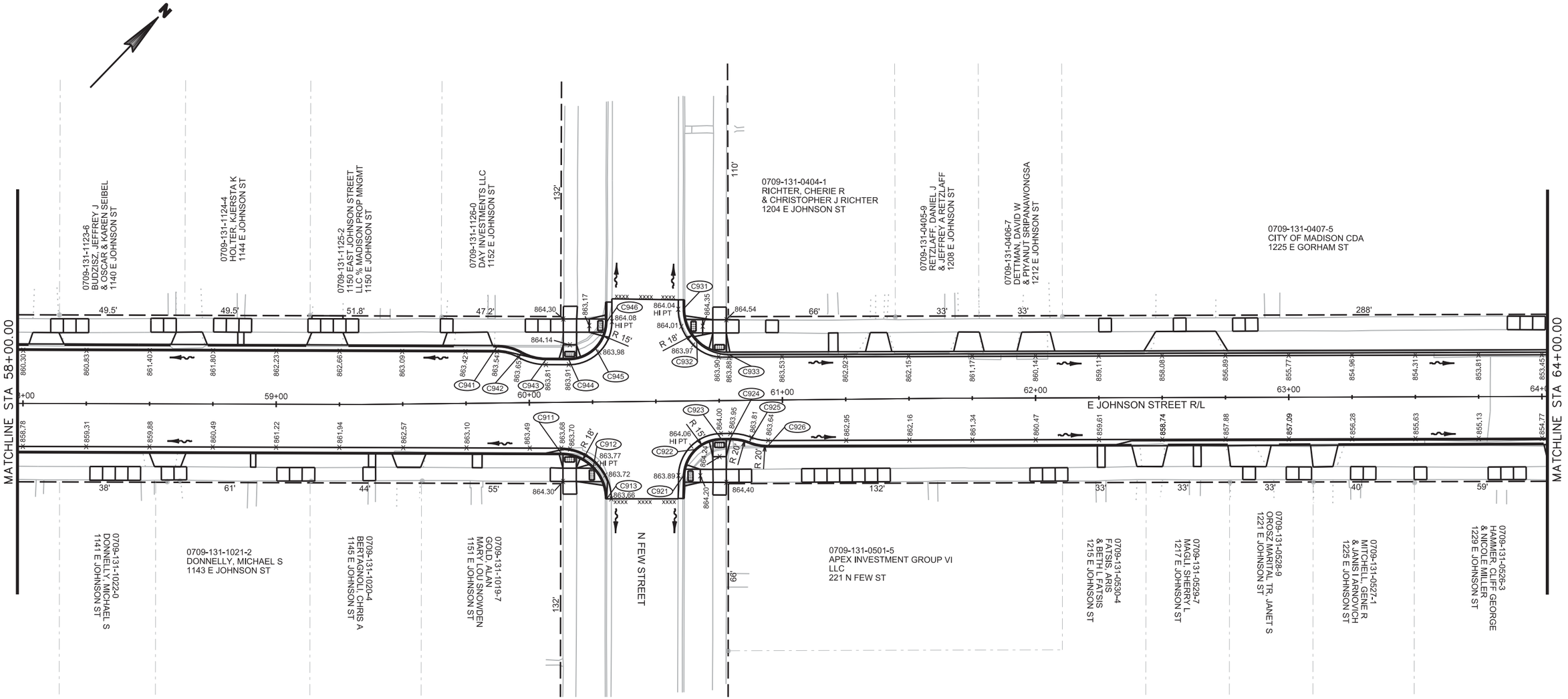
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET 58	E

2



LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
⟿	SURFACE DRAINAGE DIRECTION



LEGEND

XXXXX	SAWCUT
■	PROPOSED INLET
+ZZZ.ZZ	SPOT ELEVATION AT EDGE OF GUTTER
(ZZZZ)	POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)
R ZZ	CURB RADIUS AT FACE OF CURB
~	SURFACE DRAINAGE DIRECTION

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET 60	E

2

N

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

0709-124-0618-3
CITY OF MADISON CDA
302 N BALDWIN ST

0709-124-0431-9
HANSEN, ELLEN JO
305 BALDWIN ST

0709-124-0432-7
SOMERFELD, WARREN O
& JANICE D SOMERFELD
306 MARSTON AVE

E GORHAM STREET

MARSTON AVENUE

MATCHLINE STA 64+00.00

E JOHNSON STREET R/L

N BALDWIN STREET

0709-131-0525-5
SPENCER, PHILIP J
& SUSAN K SPENCER
1233 E JOHNSON ST

0709-131-0524-7
BONEBRAKE, MICHAEL
1235 E JOHNSON ST

0709-131-0523-9
JOHNSON CURTIS LLC
1237 E JOHNSON ST

0709-131-0522-1
MCDERMOTT, PATRICK A
LADINE L MCDERMOTT
1239 E JOHNSON ST

0709-131-0521-3
HALLWINTHER PROPERTIES
LLC
1247 E JOHNSON ST

0709-131-0520-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1251 E JOHNSON ST

0709-131-0519-8
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1257 E JOHNSON ST

0709-131-0518-0
BACKUS, KENNETH
1259 E JOHNSON ST

0709-124-0321-1
WINDER, TAYLOR J
223 N BALDWIN ST

0709-124-0311-3
PEDLEY, ROBERT T
1305 E JOHNSON ST

0709-124-0310-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1317 E JOHNSON ST

0709-124-0309-8
BERGERSEN, GUNNAR A
1319 E JOHNSON ST

0709-124-0308-0
COLBERT, MARCEL STEFAN &
FRANCES PHILOMENE COLBERT
1321 E JOHNSON ST

LEGEND

XXXXX SAWCUT

PROPOSED INLET

+ ZZZ.ZZ SPOT ELEVATION AT EDGE OF GUTTER

(ZZZZ) POINT CALLOUT AT FACE OF CURB (SEE PLAN DETAIL - GRADES SHEETS ZZ-ZZ)

R ZZ CURB RADIUS AT FACE OF CURB

SURFACE DRAINAGE DIRECTION

PROPOSED TERRACE INLET

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - GRADES	SHEET 61	E

POINT	STATION	OFFSET
C011 (PC)	10+78.29	17.71'
C012 (MC)	10+87.13	24.04'
C013 (PT)	10+85.07	34.43'
C021 (PC)	11+19.10	63.77'
C022 (MC)	11+34.05	60.16'
C023 (PT)	11+42.81	73.14'
C024 (PC)	11+42.82	75.11'
C025 (PRC)	11+40.07	85.23'
C026 (PT)	11+37.32	95.34'
C031 (PC)	11+69.67	38.80'
C032 (MC)	11+75.01	26.20'
C033 (PT)	11+87.66	21.00'
C041 (PT)	12+18.23	-23.00'
C042 (MC)	12+09.00	-29.15'
C043 (PC)	12+11.12	-40.04'
C044 (PC)	12+15.71	-44.67'
C045 (PRC)	12+25.16	-50.02'
C046 (PT)	12+34.60	-55.36'
C051 (PT)	11+67.38	-61.26'
C052 (MC)	11+73.58	-52.10'
C053 (PC)	11+84.43	-54.25'
C054 (PC)	11+91.61	-61.38'
C055 (PRC)	11+96.71	-69.94'
C056 (PT)	12+01.41	-78.09'
C061 (PC)	11+27.24	-19.90'
C062 (MC)	11+37.81	-24.27'
C063 (PT)	11+42.23	-34.82'
C064 (PC)	11+42.32	-19.73'
C065 (PRC)	11+39.74	-60.29'
C066 (PT)	11+37.17	-68.77'
C111 (PC)	14+54.84	21.00'
C112 (MC)	14+65.38	25.33'
C113 (PT)	14+69.84	35.83'
C114 (PC)	14+69.86	38.04'
C115 (PRC)	14+67.33	48.01'
C116 (PT)	14+64.79	57.99'
C121 (PC)	15+00.76	35.99'
C122 (MC)	15+05.16	25.39'
C123 (PT)	15+15.76	21.00'
C131 (PT)	15+54.74	-23.00'
C132 (PRC)	15+44.21	-20.00'
C133 (PC)	15+33.67	-17.00'
C134 (PT)	15+14.32	-17.00'
C135 (MC)	14+96.66	-24.31'
C136 (PC)	14+89.32	-41.96'
C141 (PT)	14+65.00	-28.82'
C142 (MC)	14+61.42	-20.45'
C143 (PC)	14+53.00	-17.00'
C144 (PT)	14+28.04	-17.00'
C145 (PRC)	14+17.50	-20.00'
C146 (PC)	14+06.97	-23.00'
C211 (PC)	17+19.89	21.00'
C212 (MC)	17+30.51	25.45'
C213 (PCC)	17+34.86	36.10'

POINT	STATION	OFFSET
C214 (PRC)	17+31.81	46.64'
C215 (PT)	17+28.76	57.17'
C221 (PC)	17+64.79	34.87'
C222 (MC)	17+68.96	25.04'
C223 (PT)	17+78.94	21.00'
C231 (PT)	18+15.28	-23.00'
C232 (PRC)	18+04.75	-20.00'
C233 (PC)	17+94.21	-17.00'
C234 (PT)	17+76.51	-17.00'
C235 (MC)	17+68.11	-20.55'
C236 (PC)	17+64.63	-29.04'
C241 (PT)	17+28.79	-31.76'
C242 (MC)	17+24.30	-21.30'
C243 (PC)	17+13.72	-17.00'
C244 (PT)	16+99.84	-17.00'
C245 (PRC)	16+89.30	-20.00'
C246 (PC)	16+78.77	-23.00'
C311 (PC)	20+47.69	21.00'
C312 (MC)	20+56.96	24.45'
C313 (PT)	20+61.10	33.44'
C321 (PC)	20+97.40	31.31'
C322 (MC)	21+00.66	22.76'
C323 (PT)	21+08.38	19.00'
C331 (PT)	21+50.28	-25.00'
C332 (PRC)	21+39.74	-22.00'
C333 (PC)	21+29.20	-19.00'
C334 (PT)	21+16.30	-19.00'
C335 (MC)	21+01.41	-24.59'
C336 (PC)	20+95.05	-38.43'
C341 (PT)	20+58.01	-64.52'
C342 (PRC)	20+61.27	-54.06'
C343 (PC)	20+64.53	-43.60'
C344 (PT)	20+64.69	-37.44'
C345 (MC)	20+59.24	-23.21'
C346 (PC)	20+45.90	-17.00'
C347 (PT)	20+36.45	-17.00'
C348 (PRC)	20+25.91	-20.00'
C349 (PC)	20+15.38	-23.00'
C411 (PC)	27+05.94	19.00'
C412 (MC)	27+15.90	22.78'
C413 (PT)	27+20.84	32.22'
C421 (PC)	27+57.95	35.69'
C422 (MC)	27+63.64	23.82'
C423 (PT)	27+75.90	19.00'
C431 (PT)	28+99.00	-25.00'
C432 (PRC)	28+88.47	-22.00'
C433 (PC)	28+77.93	-19.00'
C434 (PT)	27+69.31	-19.00'
C433 (MC)	27+58.76	-23.33'
C436 (PC)	27+54.31	-33.83'
C441 (PT)	27+26.20	-33.99'
C442 (MC)	27+21.80	-23.39'
C443 (PC)	27+11.20	-19.00'
C444 (PT)	26+94.46	-19.00'

POINT	STATION	OFFSET
C445 (PRC)	26+83.93	-22.00'
C446 (PC)	26+73.39	-25.00'
C511 (PC)	33+67.00	19.00'
C512 (MC)	33+75.42	22.45'
C513 (PT)	33+79.00	30.81'
C521 (PC)	34+19.27	32.91'
C522 (MC)	34+25.16	18.83'
C523 (PT)	34+39.27	13.00'
C524 (PC)	34+47.75	13.00'
C525 (PRC)	34+58.28	16.00'
C526 (PT)	34+68.82	19.00'
C527 (PC)	36+77.14	19.00'
C528 (PRC)	36+87.67	16.00'
C529 (PT)	36+98.21	13.00'
C531 (PT)	34.18.37	-33.97'
C532 (PRC)	34+22.78	-23.38'
C533 (PC)	34+33.37	-19.00'
C534 (PT)	34+52.10	-19.00'
C535 (MC)	34+62.64	-22.00'
C536 (PC)	34+73.17	-25.00'
C537 (PC)	36+74.47	-25.00'
C538 (PRC)	36+85.00	-22.00'
C539 (PT)	36+95.54	-19.00'
C541 (PT)	33+86.18	-33.74'
C542 (MC)	33+81.70	-23.30'
C543 (PC)	33+71.18	-19.00'
C544 (PT)	33+52.01	-19.00'
C545 (PRC)	33+41.47	-22.00'
C546 (PC)	33+30.94	-25.00'
C611 (PC)	37+98.93	13.00'
C612 (MC)	38+09.46	16.00'
C613 (PT)	38+20.00	19.00'
C614 (PC)	40+28.16	19.00'
C615 (MC)	40+38.08	23.13'
C616 (PT)	40+42.16	33.07'
C621 (PC)	40+49.79	36.84'
C622 (MC)	40+85.12	24.22'
C623 (PT)	40+97.79	19.00'
C631 (PT)	40+78.51	-34.02'
C632 (PRC)	40+82.90	-23.40'
C633 (PC)	40+93.51	-19.00'
C634 (PT)	41+78.54	-19.00'
C635 (MC)	41+89.07	-22.00'
C636 (PC)	41+99.61	-25.00'
C641 (PT)	37+98.93	-19.00'
C642 (MC)	38+09.46	-22.00'
C643 (PC)	38+20.00	-25.00'
C644 (PT)	39+94.16	-25.00'
C645 (PRC)	40+04.70	-22.00'
C646 (PC)	40+15.23	-19.00'
C647 (PC)	40+27.75	-19.00'
C648 (MC)	40+38.34	-23.37'
C649 (PT)	40+42.75	-33.93'
C711 (PC)	46+89.54	19.00'

POINT	STATION	OFFSET
C712 (MC)	47+00.41	23.73'
C713 (PT)	47+04.92	35.08'
C721 (PC)	47+39.13	33.67'
C722 (MC)	47+45.30	18.68'
C723 (PT)	47+59.76	13.00'
C724 (PC)	47+69.15	13.00'
C725 (PRC)	47+79.69	16.00'
C726 (PT)	47+90.22	19.00'
C731 (PT)	47+88.99	-23.00'
C732 (PRC)	47+79.31	-20.50'
C733 (PC)	47+69.63	-18.00'
C734 (PT)	47+55.59	-18.00'
C735 (MC)	47+45.42	-22.52'
C736 (PC)	47+41.20	-33.16'
C741 (PC)	46+59.90	-25.00'
C742 (PRC)	46+70.44	-22.00'
C743 (PT)	46+80.98	-19.00'
C744 (PC)	46+89.78	-19.00'
C745 (MC)	47+00.80	-23.33'
C746 (PT)	47+05.38	-33.85'
C747 (MATCH)	47+05.99	-59.75'
C811 (PC)	53+24.00	19.00'
C812 (MC)	53+34.54	16.00'
C813 (PT)	53+45.08	13.00'
C814 (PC)	53+49.68	13.00'
C815 (PRC)	53+63.81	18.85'
C816 (PT)	53+69.68	32.98'
C821 (PC)	53+99.50	38.96'
C822 (MC)	54+03.91	23.38'
C823 (PT)	54+14.50	19.00'
C831 (PT)	54+50.15	-23.00'
C832 (PRC)	54+40.47	-20.50'
C833 (PC)	54+30.79	-18.00'
C834 (PT)	54+14.48	-18.00'
C835 (MC)	54+03.90	-22.36'
C836 (PC)	53+99.48	-32.91'
C841 (PT)	53+69.91	-33.07'
C842 (MC)	53+65.54	-22.42'
C843 (PC)	53+54.91	-18.00'
C844 (PT)	53+42.83	-18.00'
C845 (PRC)	53+33.14	-20.50'
C846 (PC)	53+23.46	-23.00'
C911 (PC)	60+12.43	20.11'
C912 (MC)	60+25.06	25.54'
C913 (PT)	60+30.17	38.31'
C921 (PC)	60+60.59	29.49'
C922 (MC)	60+65.41	19.21'
C923 (PT)	60+75.58	15.00'
C924 (PC)	60+79.23	15.00'
C925 (PRC)	60+86.78	16.48'
C926 (PT)	60+94.16	17.95'
C931 (PT)	60+61.21	-36.27'
C932 (MC)	60+66.40	-23.52'
C933 (PC)	60+79.07	-18.17'

POINT	STATION	OFFSET
C941 (PC)	59+87.46	-22.25'
C942 (PRC)	59+97.11	-19.61'
C943 (PT)	60+06.76	-16.98'
C944 (PC)	60+15.76	-16.85'
C945 (PRC)	60+26.45	-21.12'
C946 (PT)	60+30.97	-31.70'
C1011 (PC)	64+96.79	-17.50'
C1012 (MC)	65+19.09	-22.27'
C1013 (PT)	65+41.27	-26.98'
C1021 (PC)	66+53.71	-24.88'
C1022 (MC)	66+65.53	-26.57'
C1023 (PCC)	66+76.57	-31.13'
C1024 (PCC)	66+76.34	-38.24'
C1025 (PT)	66+62.25	-40.99'
C1026 (PT)	66+43.09	-42.32'
C1027 (MC)	65+48.62	-63.92'
C1028 (PC)	64+62.39	-110.14'
C1031 (PC)	66+65.18	20.93'
C1032 (MC)	66+79.26	26.38'
C1033 (PT)	66+85.52	40.13'
C1041 (PC)	67+27.80	37.16'
C1042 (MC)	67+33.20	23.58'
C1043 (PT)	67+46.65	17.85'
C1051 (PT)	67+37.90	-11.08'
C1052 (MC)	67+33.93	-14.41'
C1053 (PCC)	67+36.58	-18.86'
C1054 (PT)	67+49.48	-21.00'
C1061 (PC)	68+29.27	-11.81'
C1062 (MC)	68+57.63	-14.06'
C1063 (PRC)	68+85.38	-20.31'
C1064 (PT)	69+06.66	-23.70'
C1065 (PC)	69+44.50	-23.55'
C1066 (MC)	69+48.10	-28.28'
C1067 (PT)	69+44.43	-31.95'
C1071 (PC)	68+18.07	-21.00'
C1072 (MC)	68+29.39	-21.54'
C1073 (PT)	68+40.62	-23.14'
C1074 (PC)	68+50.09	-24.95'
C1075 (MC)	68+88.90	-30.42'
C1076 (PT)	69+28.06	-32.07'
C1081 (PC)	66+62.35	-72.69'
C1082 (MC)	66+77.40	-78.30'
C1083 (PT)	66+83.47	-93.17'
C1091 (PC)	67+17.32	-90.35'
C1092 (MC)	67+24.66	-73.21'
C1093 (PT)	67+41.82	-65.91'
P101 (PI)	65+33.73	18.88'

NOTES:

1. POSTIVE OFFSETS ARE ON THE RIGHT, NEGATIVE OFFSETS ARE TO THE LEFT

2. RADII FOR ALL CURVES ARE INDICATED ON THE PLAN DETAILS-GRADES PLAN SHEETS

3. PC = POINT OF CURVATURE, PT = POINT OF TANGENCY,
PCC = POINT OF COMPOUND CURVATURE, PRC = POINT OF REVERSE CURVATURE

2

N

N BUTLER STREET

N HAMILTON STREET

BIKE RACKS

11+52.33
LT 91.21'
861.05

11+52.33
LT 61.11'
860.67

11+52.33
LT 34.83'
860.51

LT 18.65'
860.46

11+72.82
LT 34.84'
860.12

LT 19.49'
860.04

11+94.55
LT 32.04'
859.79

11+94.55
LT 43.89'
859.86

LT 20.37'
859.63

12+11.08
LT 60.13'
859.71

STA 12+27.60
LT 76.38'
859.55

14+77.21
LT 65.65'
855.76

14+77.21
LT 40.32'
855.58

14+77.21
LT 15.00'
855.70

10+00 11+00 E JOHNSON STREET R/L 12+00 13+00 14+00 15+00 16+00

10+00.00 POB

RT 16.68'
861.30

RT 17.63'
860.88

RT 18.58'
860.46

RT 19.54'
860.04

11+12.68
RT 38.83'
861.42

11+34.70
RT 39.03'
860.94

11+52.45
RT 39.19'
860.52

10+97.36
RT 53.85'
8662.19

11+52.45
RT 56.88'
860.75

10+82.36
RT 68.55'
862.89

11+52.45
RT 85.49'
860.58

11+52.45
RT 95.34'
860.51

11+52.45
RT 115.17'
860.65

14+82.64
RT 20.00'
855.53

14+82.64
RT 42.57'
855.73

14+82.64
RT 70.63'
856.29

N HAMILTON STREET

N BUTLER STREET

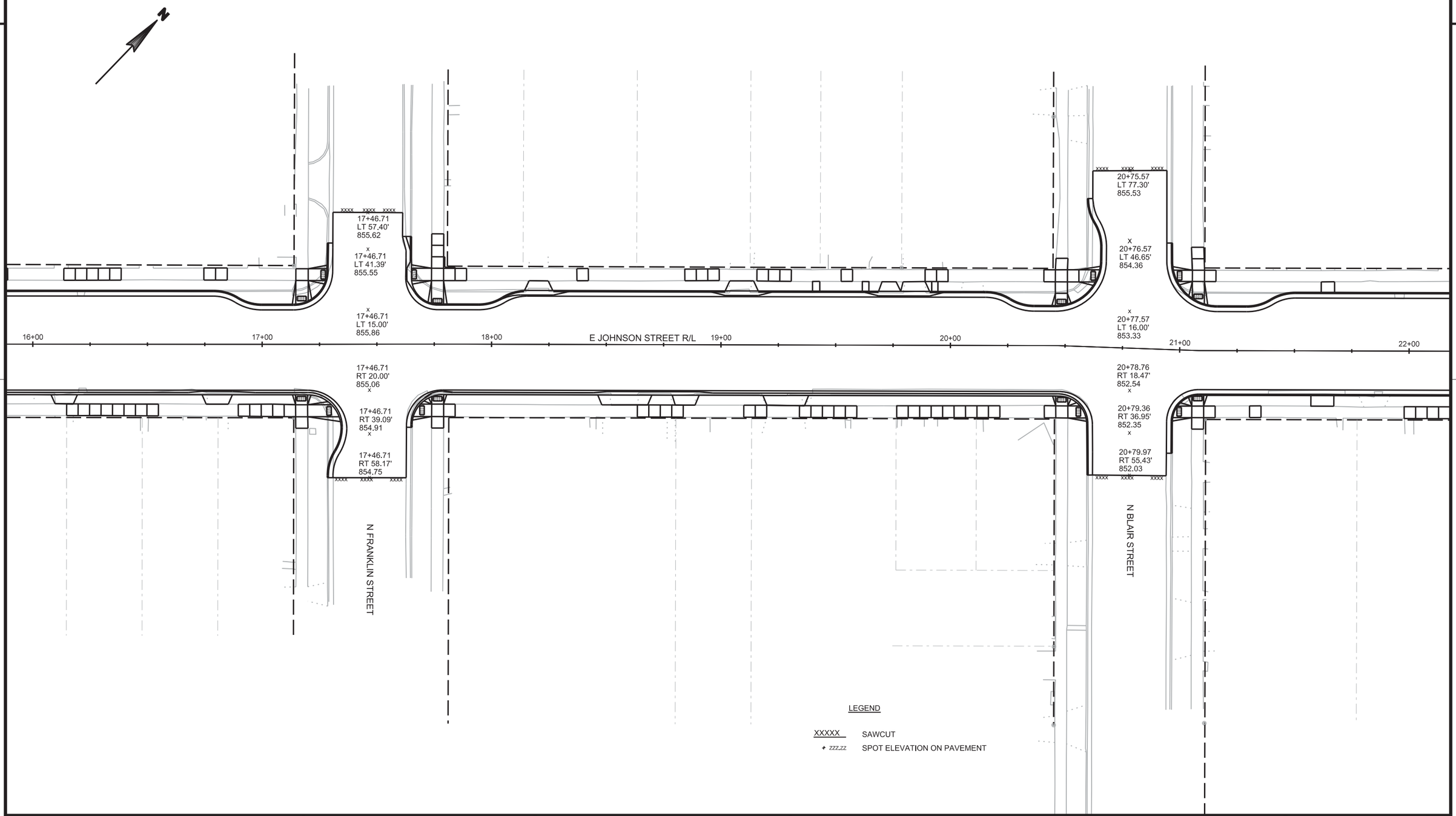
LEGEND

XXXXX SAWCUT

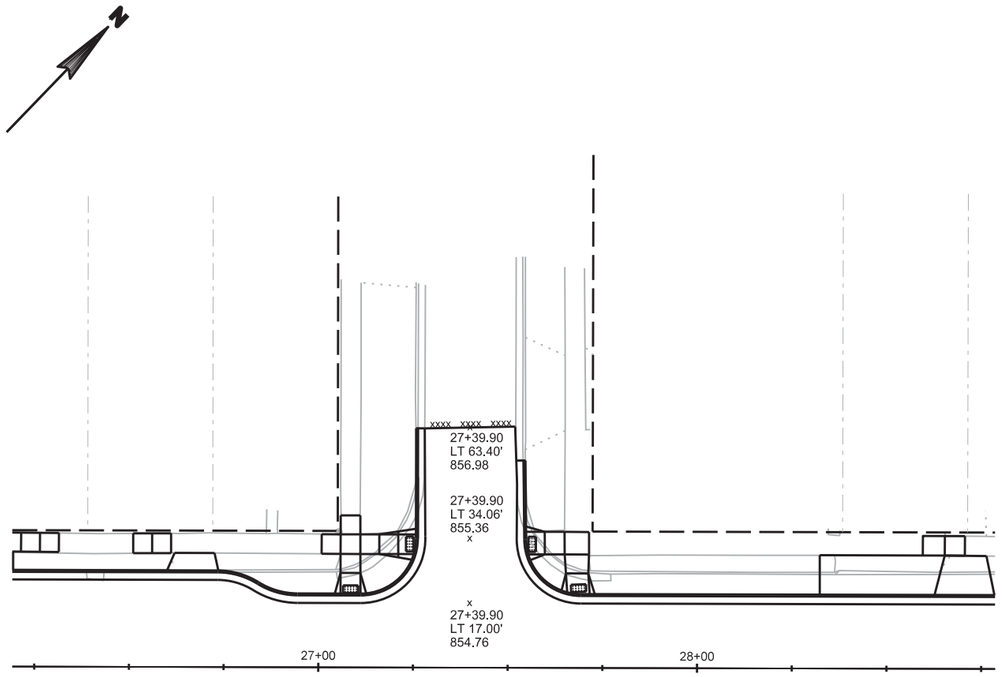
+ZZZ.ZZ SPOT ELEVATION ON PAVEMENT

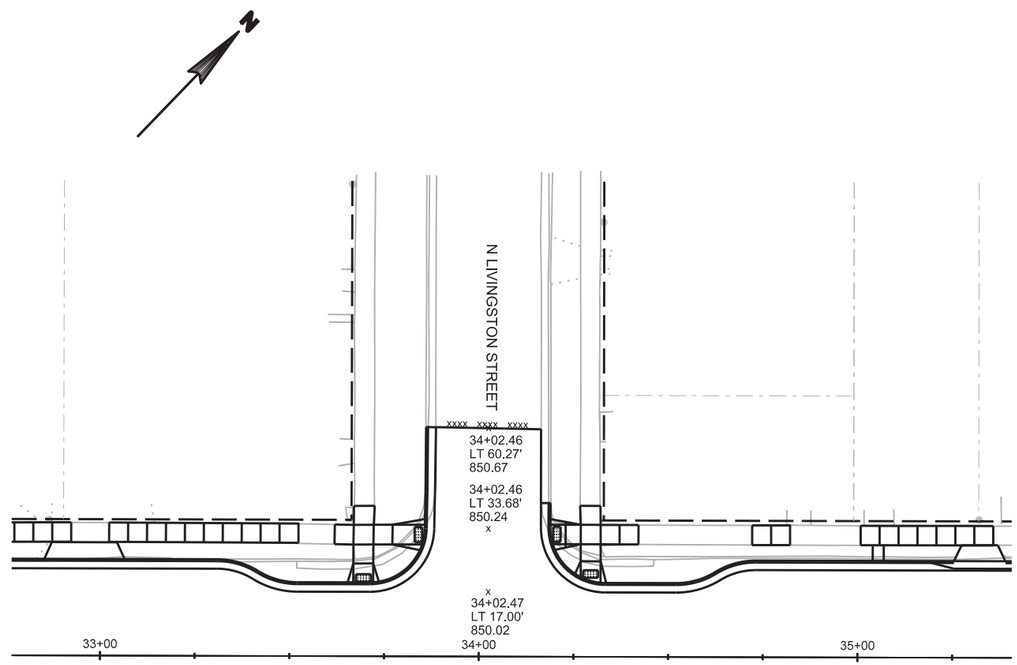
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - INTERSECTION PAVEMENT GRADES	SHEET 63	E

2



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - INTERSECTION PAVEMENT GRADES	SHEET 64	E





LEGEND

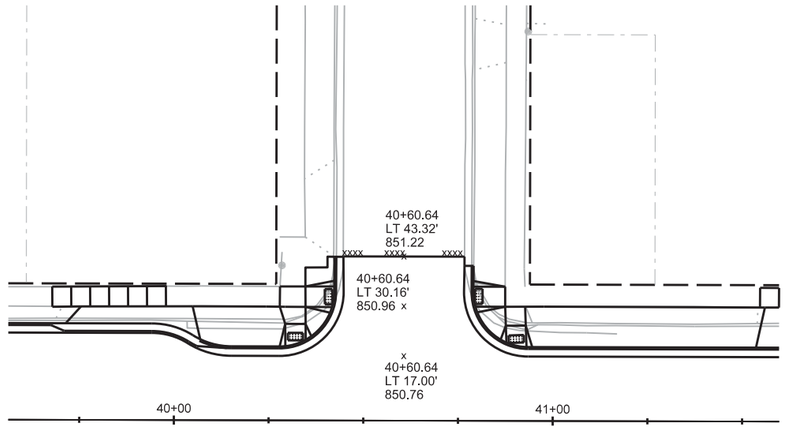
XXXXX SAWCUT

+ ZZZ.ZZ SPOT ELEVATION ON PAVEMENT

LEGEND

XXXXX SAWCUT

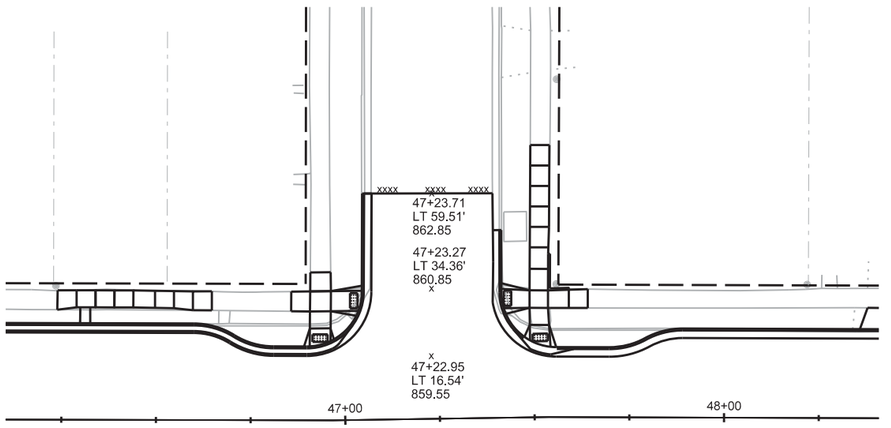
+ ZZZ.ZZ SPOT ELEVATION ON PAVEMENT



LEGEND

XXXXX SAWCUT

+ ZZZ.ZZ SPOT ELEVATION ON PAVEMENT



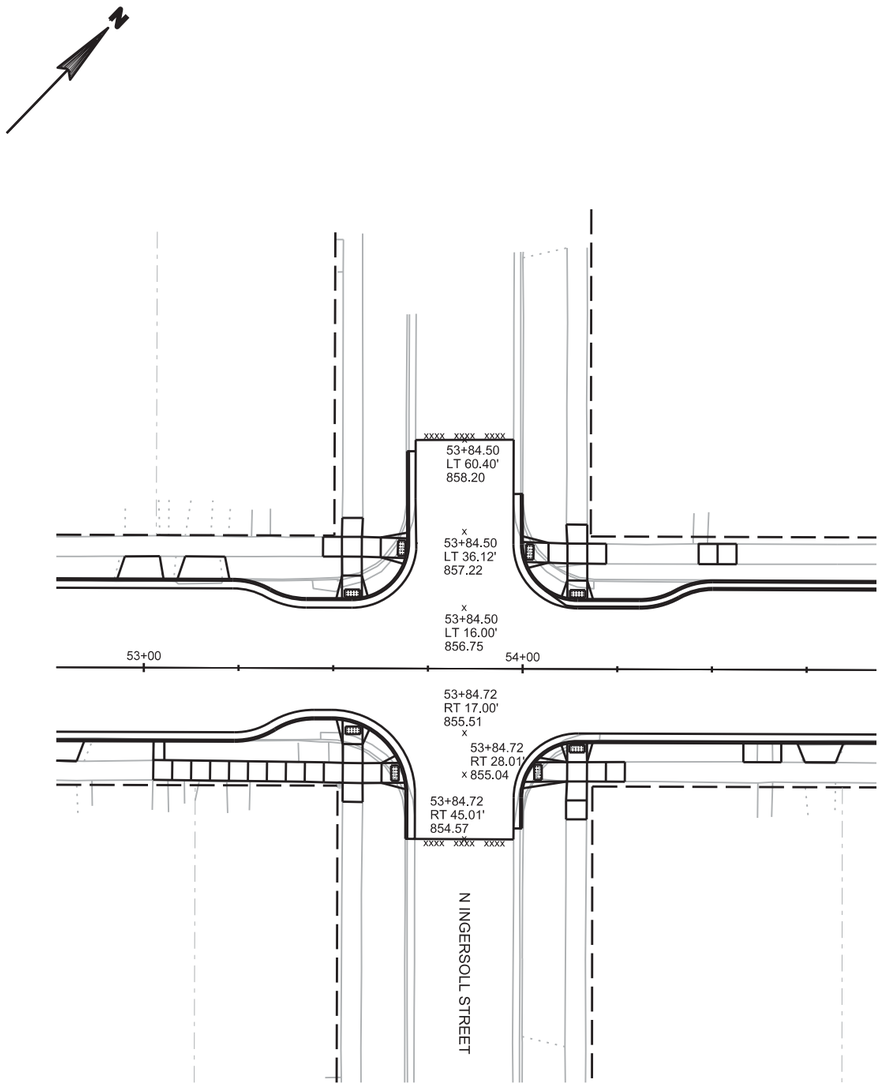
LEGEND

XXXXX SAWCUT

+ ZZZ.ZZ SPOT ELEVATION ON PAVEMENT

2

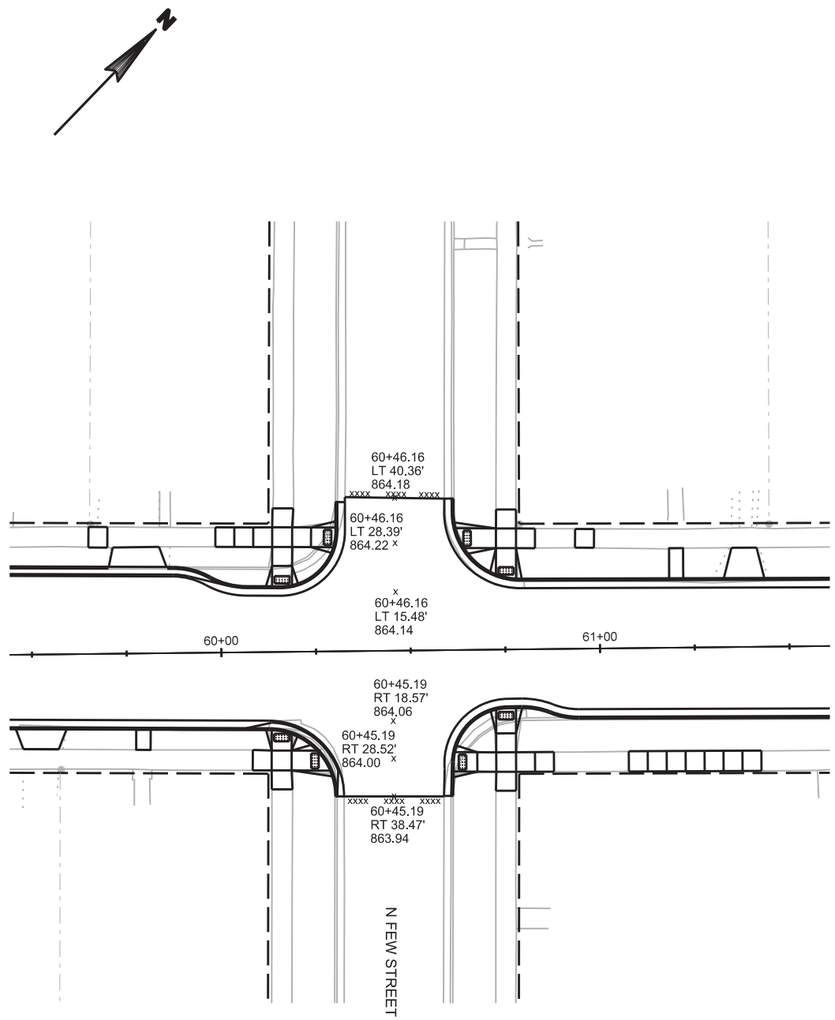
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - INTERSECTION PAVEMENT GRADES	SHEET 66 E



LEGEND

XXXXX SAWCUT

+ ZZZ.ZZ SPOT ELEVATION ON PAVEMENT

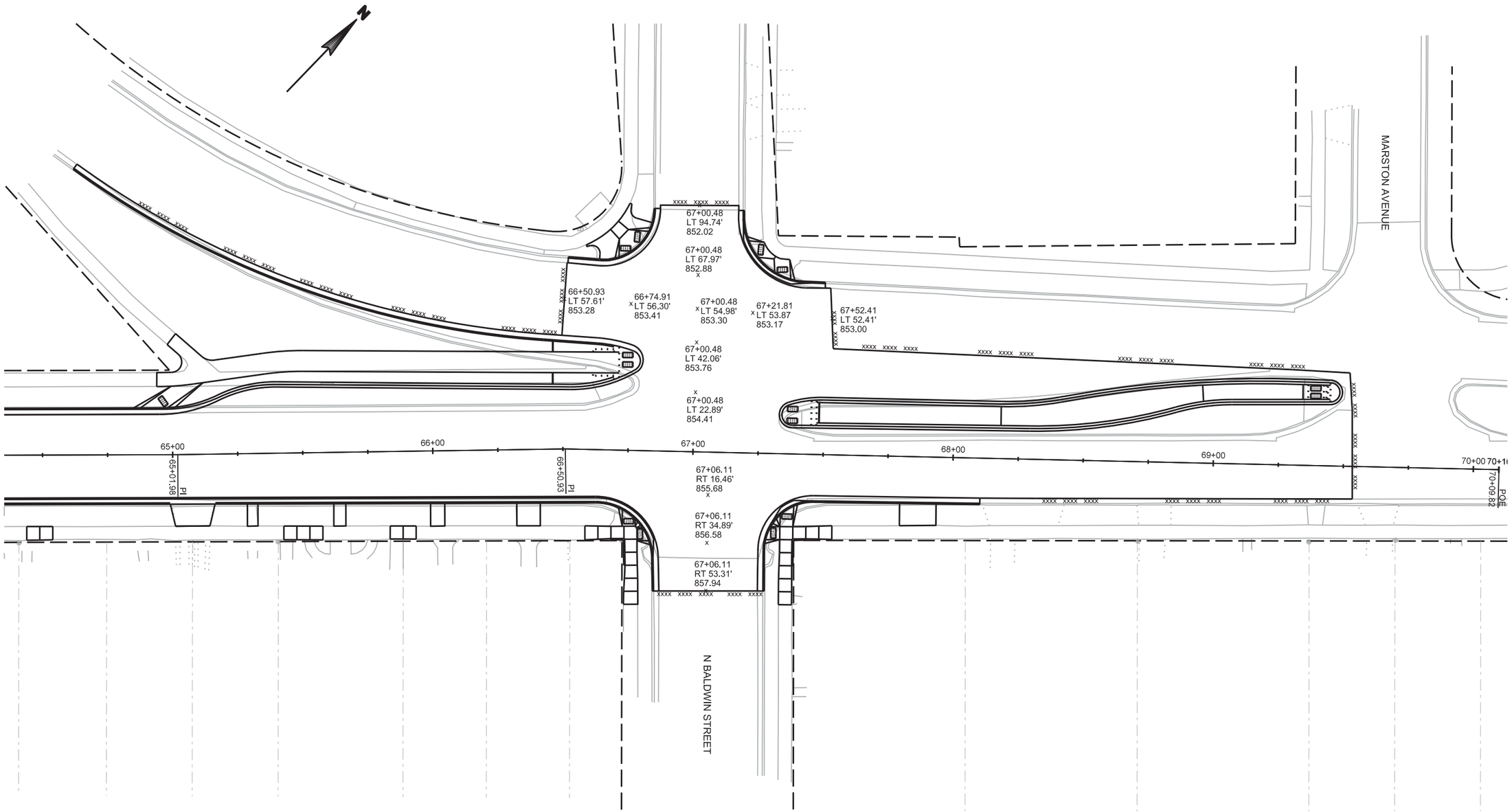


LEGEND

XXXXX SAWCUT

+ ZZZ.ZZ SPOT ELEVATION ON PAVEMENT

2

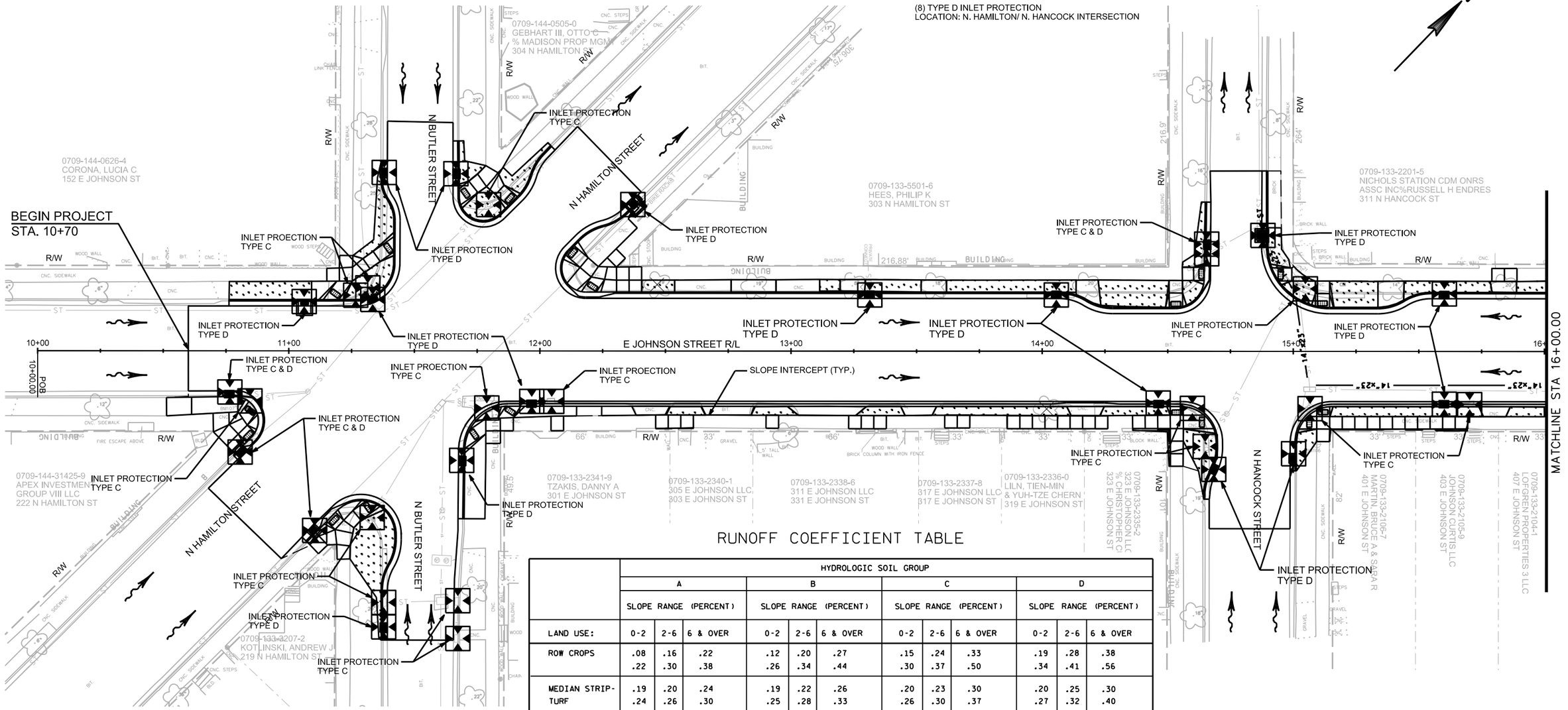


LEGEND

XXXXX SAWCUT

+ZZZ.ZZ SPOT ELEVATION ON PAVEMENT

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN DETAILS - INTERSECTION PAVEMENT GRADES	SHEET 68	E



EROSION CONTROL GENERAL NOTES:

TOPSOIL GRADED AREAS IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED AND PERFORM FINAL LANDSCAPING OF ALL TOPSOILED AREAS WITHIN 3 CALENDER DAYS AFTER PLACEMENT OF TOPSOIL.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

6" OF TERRACE SEEDING RESTORATION SHALL BE PERFORMED BEHIND REMOVED AND REPLACED CONCRETE SIDEWALK AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.

WATER SHALL BE USED FOR DUST CONTROL. SEE MISCELLANEOUS QUANTITIES SHEETS FOR QUANTITY.

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 = 9.90 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 8.10 ACRES

LEGEND
- SOD
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- TERRACE SEEDING

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740EC-Plan Detail *1.dgn PLOT DATE : 1/30/2014 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 42

2

(3) TYPE D INLET PROTECTION
LOCATION: N. FRANKLIN/ E. GORHAM INTERSECTION

0709-133-2201-5
NICHOLS STATION CDM ONRS
ASSC INC%RUSSELL H ENDRES
311 N HANCOCK ST

0709-133-1310-5
FOURTH LAKE III LLC
303 N FRANKLIN ST

0709-133-1311-3
COLEMAN, JUDITH A
506 E JOHNSON ST

0709-133-1312-1
PASDO, JEROME A
512 E JOHNSON ST

0709-133-1313-9
YEUNG, SONG Q
FAN JIANG
514 E JOHNSON ST

0709-133-1314-7
518 E JOHNSON LLC
518 E JOHNSON ST

0709-133-1315-5
FISHER, CLIFFORD D
520 E JOHNSON ST

0709-133-1136-5
CITY ROW APARTMENTS LLC
602 E JOHNSON ST

INLET PROTECTION TYPE D

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C & D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE A

MATCHLINE STA 16+00.00

16+00 17+00 18+00 19+00 E JOHNSON STREET R/L 20+00 21+00 22+00

MATCHLINE STA 22+00.00

INLET PROTECTION TYPE C & D

SLOPE INTERCEPT (TYP)

INLET PROTECTION TYPE D

INLET PROTECTION TYPE C

INLET PROTECTION TYPE A

INLET PROTECTION TYPE C & D

N FRANKLIN STREET

N BLAIR STREET

0709-133-2104-1
LOFGREN PROPERTIES 3 LLC
407 E JOHNSON ST

0709-133-2103-3
LOFGREN PROPERTIES 3 LLC
409 E JOHNSON ST

0709-133-2102-5
LOFGREN PROPERTIES 3 LLC
411 E JOHNSON ST

0709-133-2101-7
LOFGREN PROPERTIES 3 LLC
415 E JOHNSON ST

0709-133-1416-1
SEITZ TRUST, ROSE M
% RICHARD SEITZ
153 N FRANKLIN ST

0709-133-1415-3
SCHEIB INVESTMENT CORP
511 E JOHNSON ST

0709-133-1414-5
TIEDEMAN, CHRISTOPHER E
515 E JOHNSON ST

0709-133-1413-7
INFUSINO, GIOVANNI A
517 E JOHNSON ST

0709-133-1412-9
PORCHLIGHT INC
519 E JOHNSON ST

0709-133-1015-1
NEUMANN, JANE L
% OAKLAND PROP SVCS INC
601 E JOHNSON ST

0709-133-1014-3
FORRAND, RANDY L
605 E JOHNSON ST

(1) TYPE D INLET PROTECTION
LOCATION: N. FRANKLIN/ E. DAYTON INTERSECTION

(5) TYPE D INLET PROTECTION
LOCATION: N. BLAIR/ E. DAYTON INTERSECTION

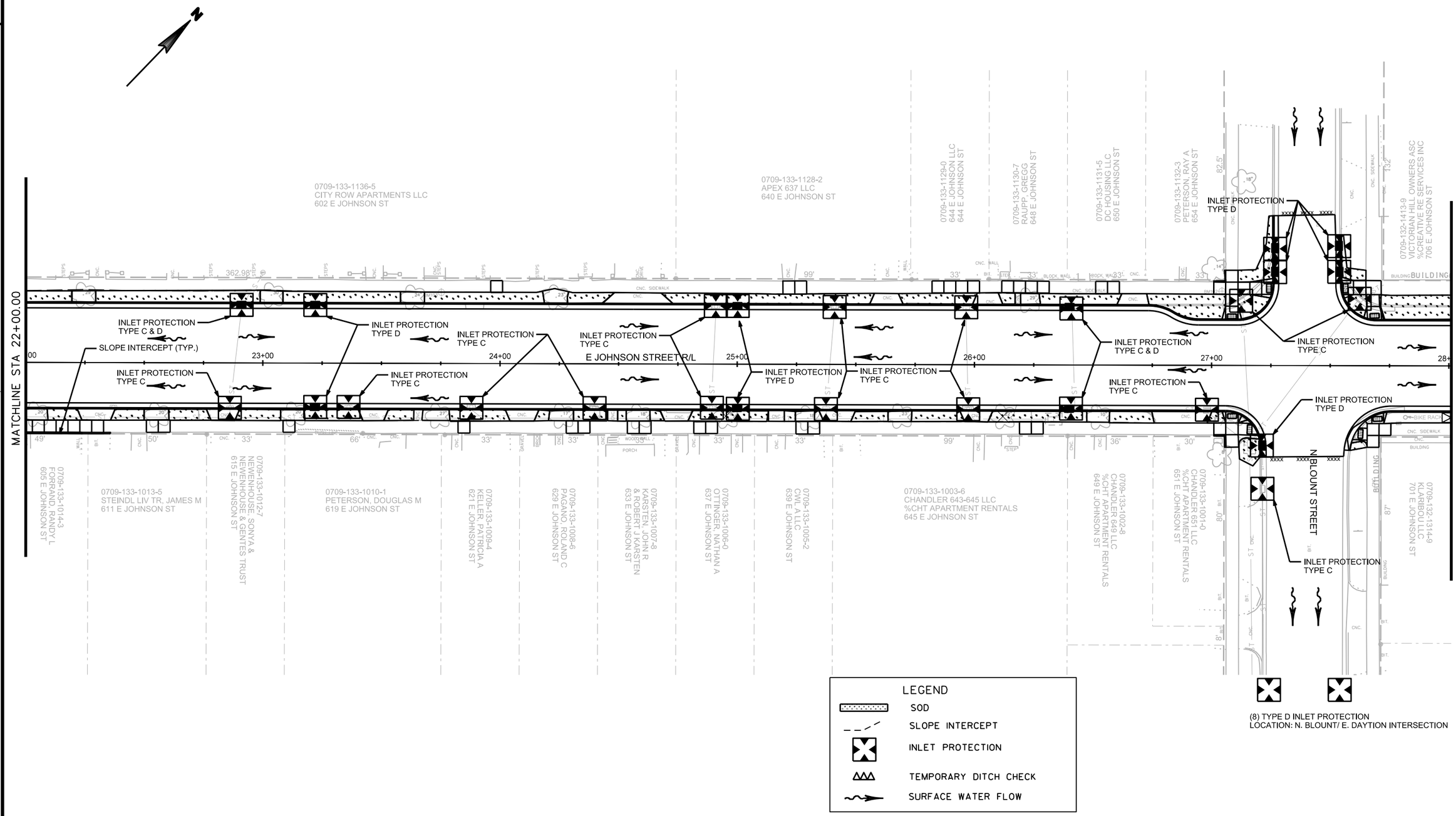
LEGEND

- SOD
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740EC-Plan Detail #2.dgn PLOT DATE : 1/30/2014 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

2



(8) TYPE D INLET PROTECTION
LOCATION: N. BLOUNT/ E. DAYTION INTERSECTION

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET 71	E

2

N

MATCHLINE STA 28+00.00

MATCHLINE STA 34+00.00

0709-132-1413-9
VICTORIAN HILL OWNERS ASC
%CREATIVE RE SERVICES INC
706 E JOHNSON ST

0709-132-1414-7
SILVER PLUME PROPERTIES LLC
708 E JOHNSON ST

0709-132-1415-5
SILVER PLUME PROPERTIES LLC
710 E JOHNSON ST

0709-132-1416-3
DEGEN LLC
714 E JOHNSON ST

0709-132-1417-1
KLUND, KELLY T
718 E JOHNSON ST

0709-132-1418-9
LUM, LYNN ANN
& MAN YEE & ELEANOR LUM
720 E JOHNSON ST

0709-132-1419-7
LUM, LYNN ANN
& MAN YEE & ELEANOR LUM
722 E JOHNSON ST

0709-132-1420-4
BALLWEG, RICHARD & JUDITH
728 E JOHNSON ST

0709-132-1421-2
VS OF MADISON LLP
% WILLIAM E STANGER
730 E JOHNSON ST

0709-132-1422-0
JOHNSON, MITCH
& LEAH JOHNSON
732 E JOHNSON ST

0709-132-1423-8
HEIDEN, REBECCA
C/O OAKLAND PROPERTIES
736 E JOHNSON ST

0709-132-1424-6
PETERSON, RAY A
738 E JOHNSON ST

0709-132-1425-4
SUTER, JOHN M & STEVEN R
742 E JOHNSON ST

0709-132-1426-2
GUGGER, JACK E
744 E JOHNSON ST

0709-132-1427-0
NORMANDY PARTNERS LLC
302 N LIVINGSTON ST

N LIVINGSTON STREET

INLET PROTECTION TYPE C

INLET PROTECTION TYPE D

INLET PROTECTION TYPE A

INLET PROTECTION TYPE D

SLOPE INTERCEPT (TYP.)

E JOHNSON STREET R/L

28+00 29+00 30+00 31+00 32+00 33+00 34+00

0709-132-1314-9
KLARIBOU LLC
701 E JOHNSON ST

0709-132-1313-1
707/709 E JOHNSON LLC
707 E JOHNSON ST

0709-132-1412-3
711/713 E JOHNSON LLC
711 E JOHNSON ST

0709-132-1411-5
GRADY, MICHAEL J & LYNN M
717 E JOHNSON ST

0709-132-1417-1
GRADY, MICHAEL J & LYNN M
719 E JOHNSON ST

0709-132-1309-0
GRADY, MICHAEL J & LYNN M
725 E JOHNSON ST

0709-132-1308-2
APEX 727 LLC
727 E JOHNSON ST

0709-132-1307-4
GRADY, MICHAEL J & LYNN M
731 E JOHNSON ST

0709-132-1306-6
KRUGER, DENNIS R & EVELYN
733 E JOHNSON ST

0709-132-1305-8
KH III LLC
737 E JOHNSON ST

0709-132-1304-0
RZENTKOWSKI, LEE A
739 E JOHNSON ST

0709-132-1303-2
HASSELHOF, GERT
SOEHNKE HASSELHOF
743 E JOHNSON ST

0709-132-1302-4
BETHEL OUTREACH INC
745 E JOHNSON ST

0709-132-1301-6
RCJ ENTERPRISES LLC
751 E JOHNSON ST

LEGEND

- SOD
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

(7) TYPE D INLET PROTECTION
LOCATION: (3) N. LIVINGSTON ST.
(4) N. LIVINGSTON/ E. DAYTION INTERSECTION

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET 72	E

2

2

MATCHLINE STA 34+00.00

MATCHLINE STA 40+00.00

N LIVINGSTON STREET

E JOHNSON STREET R/L

34+00 35+00 36+00 37+00 38+00 39+00 40+00

INLET PROTECTION TYPE C

INLET PROTECTION TYPE D

SLOPE INTERCEPT (TYP.)

0709-132-0921-3
RETZLAFF, DANIEL J
301 N LIVINGSTON ST

0709-132-0922-1
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
808 E JOHNSON ST

0709-132-0923-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
812 E JOHNSON ST

0709-132-0924-7
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
814 E JOHNSON ST

0709-132-0925-5
FERNANDEZ, CAROLINA
816 E JOHNSON ST

0709-132-0926-3
BLABAUM, GENE
820 E JOHNSON ST

0709-132-0927-1
L-H APARTMENTS LLC
822 E JOHNSON ST

0709-132-0928-9
KNOKE PROPERTIES LLC
824 E JOHNSON ST

0709-132-0929-7
NAGA WICKA PARTNERS LLC
% OAKLAND PROP SVCS INC
828 E JOHNSON ST

0709-132-0930-4
DAVEY ET AL, BRUCE M
832 E JOHNSON ST

0709-132-0931-2
DAVEY, BRUCE M
& KATHLEEN SITTER
836 E JOHNSON ST

0709-132-0932-0
RIPPLE, THOMAS D
838 E JOHNSON ST

0709-132-0933-8
RIPPLE, THOMAS D
842 E JOHNSON ST

0709-132-0934-6
MARSHALL, EILEEN M
& KIM WEDEMEIER ET AL
844 E JOHNSON ST

0709-132-0935-4
MARSHALL, EILEEN M
& KIM WEDEMEIER ET AL
846 E JOHNSON ST

0709-132-0936-2
852 LLC
852 E JOHNSON ST

0709-132-1001-2
SCHUETT, NICHOLAS D
223 N LIVINGSTON ST

0709-132-1002-0
ORTON PARK LLC
221 N LIVINGSTON ST

0709-132-1003-8
SPRAGUE, JOHN L
% THE SPRAGUE CO
217 N LIVINGSTON ST

0709-132-1037-7
JOHNSON INVESTMENTS OF
MADISON LLC
807 E JOHNSON ST

0709-132-1036-9
815 E JOHNSON ST LLC
% MADISON PROPERTY MNGMT
815 E JOHNSON ST

0709-132-1035-1
VAN ROOY, CARL
& R ENDRES % WI MGMT CO
817 E JOHNSON ST

0709-132-1034-3
LYBARGER, CATHERINE A
819 E JOHNSON ST

0709-132-1033-5
VAN ROOY, CARL J & JANET
% WI MANAGEMENT CO INC
821 E JOHNSON ST

0709-132-1032-7
ENDRES LIVING TRUST
% RUSS ENDRES
825 E JOHNSON ST

0709-132-1031-9
NELSON LIV TR, NELS W
827 E JOHNSON ST

0709-132-1038-5
KASKM PROPERTIES LLC
831 E JOHNSON ST

0709-132-1030-1
KNOEBEL, THOMAS R
835 E JOHNSON ST

0709-132-1029-7
BECKER, RICHARD A
837 E JOHNSON ST

0709-132-1028-6
ANDREASEN, SCOTT C
& V CHERYL ANDREASEN
841 E JOHNSON ST

0709-132-1027-8
CASA GIANFRANCO LLC
843 E JOHNSON ST

0709-132-1026-0
KAESER, ERNEST & CLAIRE
& CONSTRANCE KAESER
847 E JOHNSON ST

0709-132-1025-2
KAESER ENTERPRISES OF
MADISON, INC
851 E JOHNSON ST

LEGEND

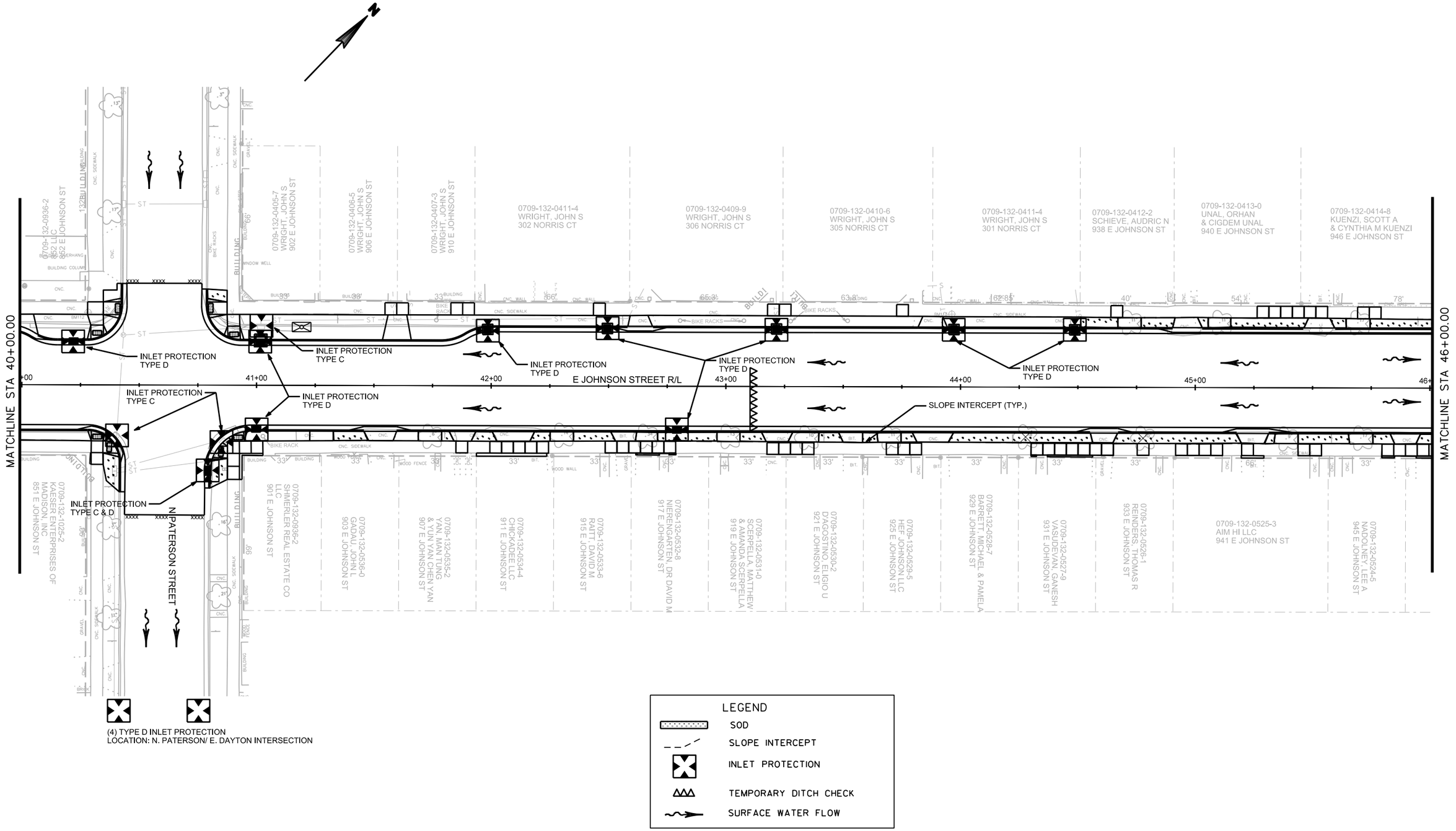
- SOD
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740EC-Plan Detail "5.dgn PLOT DATE : 1/30/2014 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 42

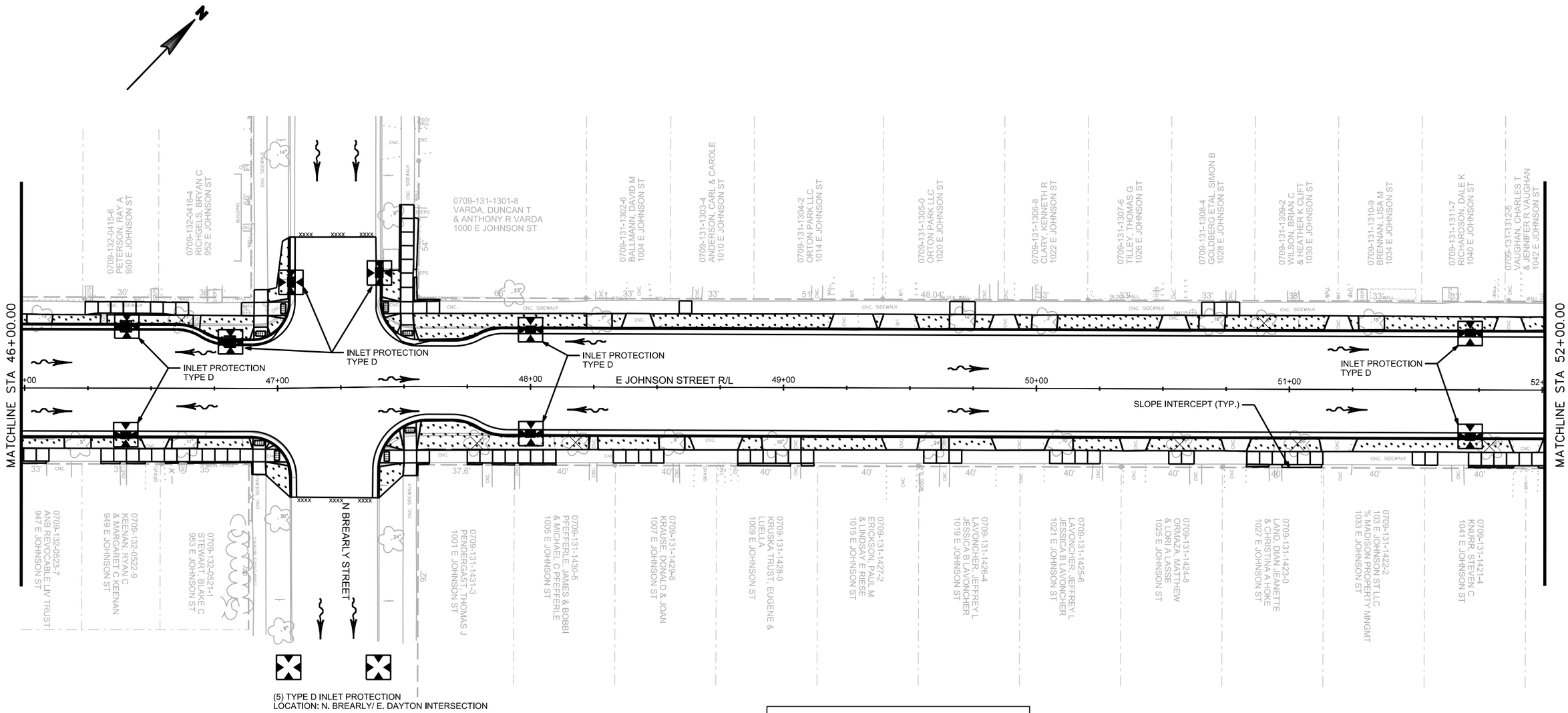
2



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740EC-Plan Detail #6.dgn PLOT DATE : 1/30/2014 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

2



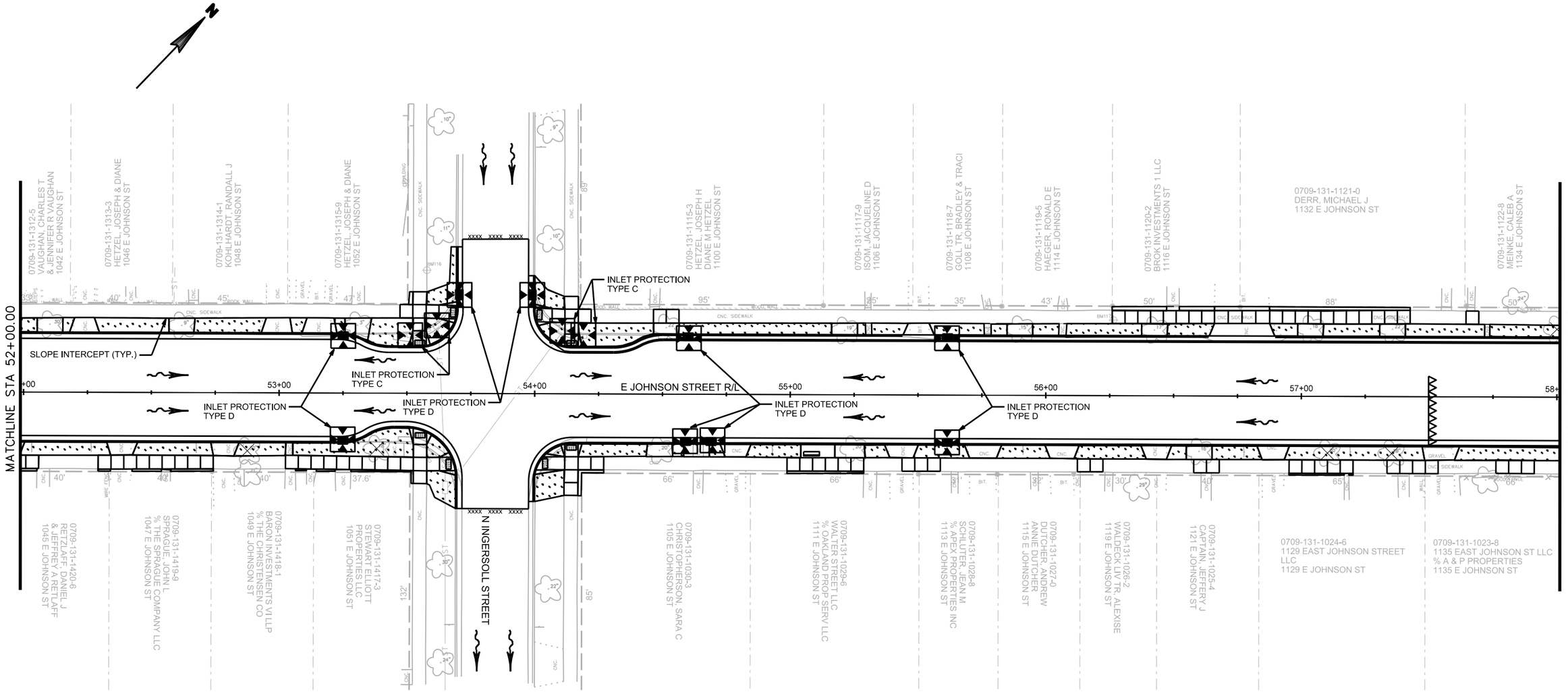
(5) TYPE D INLET PROTECTION
LOCATION: N. BREARLY/ E. DAYTON INTERSECTION

LEGEND

- SOD
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET 75	E

2



(7) TYPE D INLET PROTECTION
LOCATION: N. INGERSOLL/ E. DAYTON INTERSECTION

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET 76	E

(6) TYPE D INLET PROTECTION
LOCATION: N. FEW/ E. GORHAM INTERSECTION

0709-131-1123-6
BUDZISZ, JEFFREY J
& OSCAR & KAREN SEIBEL
1140 E JOHNSON ST

0709-131-11244
HOLTER, KJERSTA K
1144 E JOHNSON ST

0709-131-1125-2
150 EAST JOHNSON STREET
LLC % MADISON PROP MNGMT
1150 E JOHNSON ST

0709-131-1126-0
DAY INVESTMENTS LLC
1152 E JOHNSON ST

0709-131-0404-1
RICHTER, CHERIE R
& CHRISTOPHER J RICHTER
1204 E JOHNSON ST

0709-131-0405-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
1208 E JOHNSON ST

0709-131-0406-7
DETTMAN, DAVID W
& PIYANUT SRIPANAWONGSA
1212 E JOHNSON ST

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

MATCHLINE STA 58+00.00

59+00 60+00 61+00 62+00 63+00 64+

E JOHNSON STREET R/L

SLOPE INTERCEPT (TYP.)

MATCHLINE STA 64+00.00

0709-131-1021-2
DONNELLY, MICHAEL S
1143 E JOHNSON ST

0709-131-1022-0
DONNELLY, MICHAEL S
1141 E JOHNSON ST

0709-131-1020-4
BERTAGNOLI, CHRIS A
1145 E JOHNSON ST

0709-131-1019-7
GOLD, ALAN
MARY LOU SNOWDEN
1151 E JOHNSON ST

N FEW STREET

0709-131-0501-5
APEX INVESTMENT GROUP VI
LLC
221 N FEW ST

0709-131-0530-4
FATSIS, ARIS
& BETH L FATSIS
1215 E JOHNSON ST

0709-131-0529-7
MAGLI, SHERRY L
1217 E JOHNSON ST

0709-131-0528-9
OROSZ MARITAL TR, JANET S
1221 E JOHNSON ST

0709-131-0527-1
MITCHELL, GENE R
& JANIS I ARNOVICH
1223 E JOHNSON ST

0709-131-0526-3
HAMMER, CLIFF GEORGE
& NICOLE MILLER
1229 E JOHNSON ST

(5) TYPE D INLET PROTECTION
LOCATION: N. FEW/ E. DAYTON INTERSECTION

LEGEND
- SOD
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET 77	E

(7) TYPE D INLET PROTECTION
LOCATION: (2) N BALDWIN ST.
(5) N. BALDWIN/ ELIZABETH INTERSECTION

(4) TYPE D INLET PROTECTION
LOCATION: MARSTON AVE.

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

0709-124-0618-3
CITY OF MADISON CDA
302 N BALDWIN ST

0709-124-0431-9
HANSEN, ELLEN JO
305 BALDWIN ST

0709-124-0432-7
SOMERFELD, WARREN O
& JANICE D SOMERFELD
306 MARSTON AVE

E GORHAM STREET

MARSTON AVENUE

SLOPE INTERCEPTS (TYP)

INLET PROTECTION
TYPE C

INLET PROTECTION
TYPE D

INLET PROTECTION
TYPE C

INLET PROTECTION
TYPE D

INLET PROTECTION
TYPE C

INLET PROTECTION
TYPE C & A

E JOHNSON STREET R/L

MATCHLINE STA 64+00.00

65+00 66+00 67+00 68+00 69+00 70+00 70+10

SLOPE INTERCEPTS (TYP)

N BALDWIN STREET

0709-131-0625-5
SPENCER, PHILIP J
& SUSAN K SPENCER
1233 E JOHNSON ST

0709-131-0524-7
BONEBRAKE, MICHAEL
1235 E JOHNSON ST

0709-131-0523-9
JOHNSON CURTIS LLC
1237 E JOHNSON ST

0709-131-0522-1
MCDERMOTT, PATRICK A
LADINE L MCDERMOTT
1239 E JOHNSON ST

0709-131-0521-3
HALLWINTHER PROPERTIES
LLC
1247 E JOHNSON ST

0709-131-0520-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1251 E JOHNSON ST

0709-131-0519-8
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1257 E JOHNSON ST

0709-131-0518-0
BACKUS, KENNETH
1259 E JOHNSON ST

0709-124-0321-1
WINDER, TAYLOR J
223 N BALDWIN ST

0709-124-0311-3
PEDLEY, ROBERT T
1305 E JOHNSON ST

0709-124-0310-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1317 E JOHNSON ST

0709-124-0309-8
BERGERSEN, GUNNAR A
1319 E JOHNSON ST

0709-124-0308-0
COLBERT, MARCEL STEFAN &
FRANCES PHILOMENE COLBERT
1321 E JOHNSON ST

LEGEND
- SOD
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	EROSION CONTROL PLAN	SHEET 78	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740EC-Plan Detail #10.dgn | PLOT DATE : 1/30/2014 | PLOT BY : enkdf | PLOT NAME : | PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 42

2

STA 11+66.80 70.60'LT
1.1 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

STA 11+37.70 70.85'LT
1.2 INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

CONNECT TO EXISTING PIPE

STA 11+29.00 70.70'LT
1.3 MANHOLES 3X3-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D.

STA 11+33.40 20.70'LT
2.1 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

STA 11+06.30 17.30'LT
2.0 MANHOLES 5X5-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

CONNECT TO EXISTING PIPE

EX.1 STA 11+35.20 16.00'LT
ADJUST MANHOLE COVER

STA 10+76.30 17.25'RT
3.2 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

STA 11+05.45 18.75'RT
3.0 MANHOLES 4X4-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D.

STA 10+81.00 40.00'RT
3.1 MANHOLES 3X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

CONNECT TO EXISTING PIPE

CONNECT TO EXISTING PIPE

CONNECT TO EXISTING PIPE

STA 11+10.30 71.90'RT
4.2 MANHOLES 3X3-FT WITH MANHOLE COVERS TYPE H SPECIAL REQ'D.

STA 11+37.30 100.25'RT
EX.2 ADJUSTING INLET COVERS

STA 11+37.90 110.20'RT
4.3 INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

STA 11+79.40 58.50'LT
1.0 MANHOLES 3X3-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D.

CONNECT TO EXISTING PIPE

STA 12+38.03 57.77'LT
4.0 MANHOLES 5X5-FT WITH MANHOLE COVERS TYPE H SPECIAL REQ'D.

STA 13+31.20 22.50'LT
6.8 INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

RECONNECT STORM SEWER LATERAL

PROPOSED PRIVATE UTILITIES (SEE PRIVATE UTILITY PLAN)

PROPOSED SANITARY SEWER (SEE SANITARY PLANS)

STA 11+96.70 21.00'RT
4.4 INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

STA 11+60.53 21.27'RT
4.1 CATCHBASIN SPECIAL WITH MANHOLE COVERS TYPE J SPECIAL (2) REQ'D.

EXISTING STORM SEWER TO REMAIN

STA 11+69.12 43.75'RT
5.1 INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

STA 11+61.33 43.79'RT
5.0 MANHOLES 3X3-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D.

EX.2.1 STA 11+61.00 63.50'RT
ADJUSTING MANHOLE COVERS

EX.2.2 STA 11+61.00 83.50'RT
ADJUSTING MANHOLE COVERS (2)

EX.2.3 STA 11+61.00 99.50'RT
ADJUSTING MANHOLE COVERS

STA 14+87.40 46.00'LT
6.0 MANHOLES 4X4-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D. FIELD POUR REQ'D.

STA 14+65.70 42.40'LT
6.6 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

STA 14+05.62 22.50'LT
6.7 INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

STA 14+46.50 21.00'RT
6.5 INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

STA 14+68.50 47.00'RT
6.4 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

CONCRETE COLLAR

STA 15+00.75 23.00'LT
6.1 MANHOLES 4X4-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D. FIELD POUR REQ'D.

STA 15+60.00 22.50'LT
6.9 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

STA 15+60.00 13.50'RT
6.10 MANHOLES 3X3-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D.

STA 15+60.00 21.00'RT
6.11 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

UTILITY TRENCH PATCH, TYPE III

STA 15+06.00 13.50'RT
6.2 CATCHBASIN SPECIAL WITH MANHOLE COVERS TYPE J SPECIAL (2) REQ'D. FIELD POUR REQ'D.

STA 15+00.25 42.50'RT
6.3 INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D. FIELD POUR REQ'D.

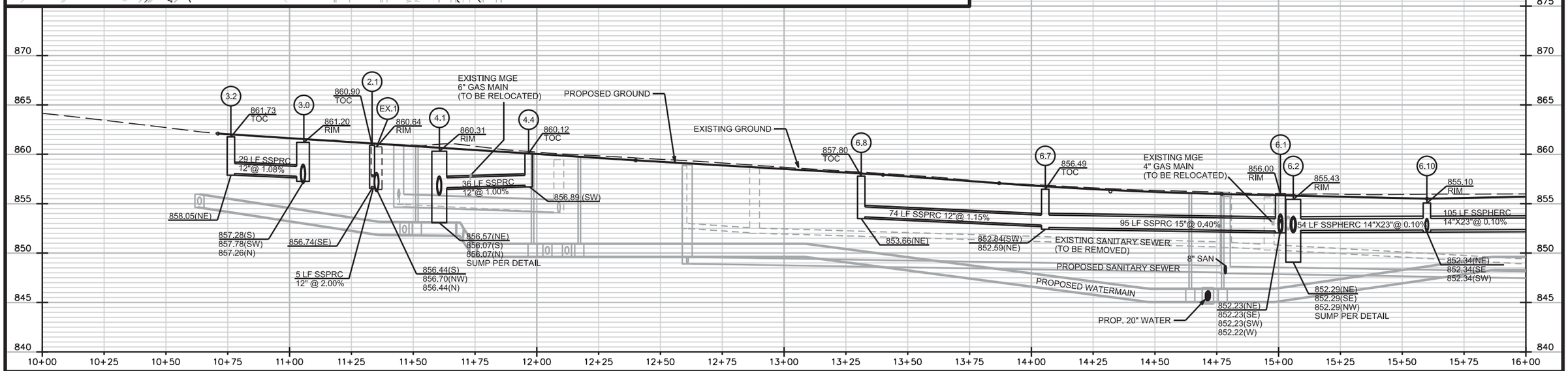
PROPOSED WATER MAIN (SEE WATER PLANS)

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE STORM SEWER LATERALS (MAX. 2 SW SQUARES, 50 SF, PER LATERAL)

PROVIDE FLUID THERMAL BACKFILL AT CROSSING OF STORM SEWER AND EXISTING ATC 69 KV LINE

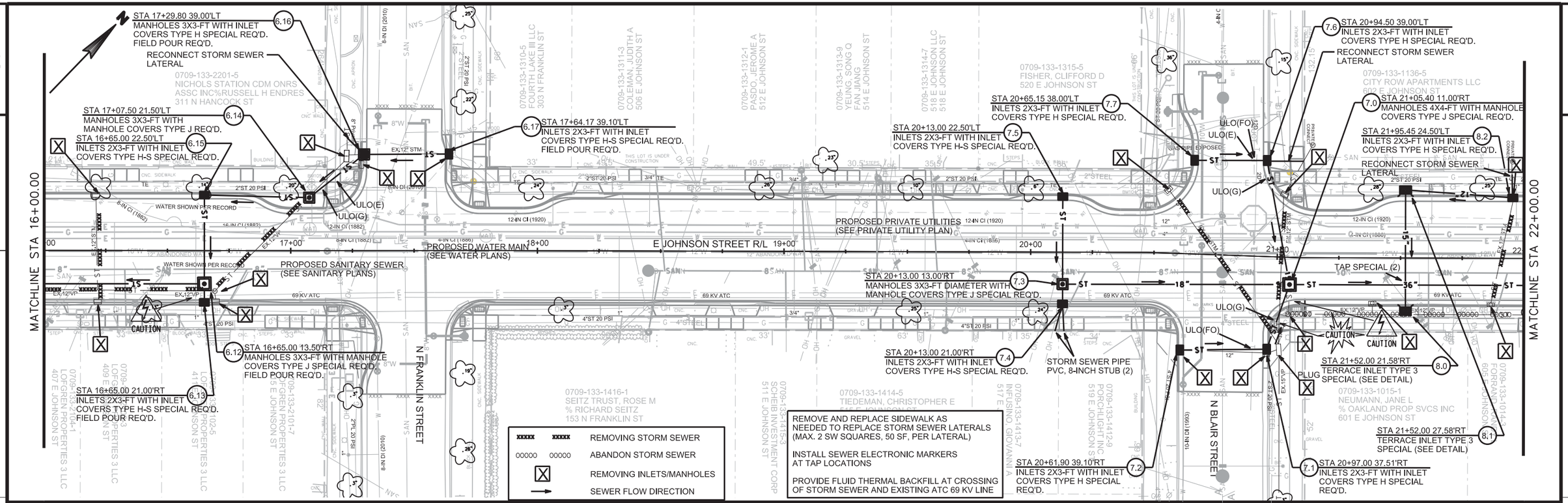
XXXXX XXXXX	REMOVING STORM SEWER
00000 00000	ABANDON STORM SEWER
X	REMOVING INLETS/MANHOLES
→	SEWER FLOW DIRECTION

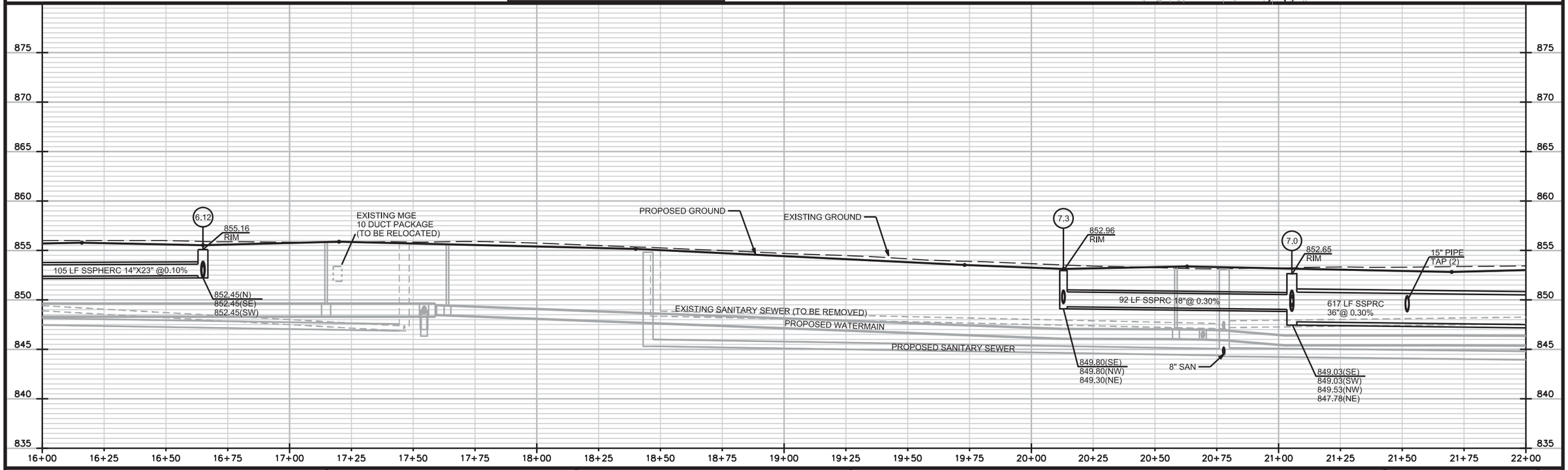
MATCHLINE STA 16+00.00



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-PnP""1.dgn PLOT DATE : 11/14/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.





PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET 80	E

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE STORM SEWER LATERALS (MAX. 2 SW SQUARES, 50 SF, PER LATERAL)

INSTALL SEWER ELECTRONIC MARKERS AT TAP LOCATIONS

PROVIDE FLUID THERMAL BACKFILL AT CROSSING OF STORM SEWER AND EXISTING ATC 69 KV LINE

XXXXX XXXXX REMOVING STORM SEWER

00000 00000 ABANDON STORM SEWER

REMOVING INLETS/MANHOLES

SEWER FLOW DIRECTION

RECONNECT STORM SEWER LATERAL

STA 22+91.00 24.50'LT (9.2)
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

STA 23+22.00 24.50'LT (9.1)
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 25+00.00 24.50'LT (10.1)
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 26+40.00 24.50'LT (11.1)
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 27+26.70 49.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

STA 27+26.70 39.50'LT (12.2)
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

STA 27+53.80 39.50'LT (12.4)
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

STA 27+53.50 50.50'LT (12.5)
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

MATCHLINE STA 22+00.00

MATCHLINE STA 28+00.00

PROPOSED PRIVATE UTILITIES (SEE PRIVATE UTILITY PLAN)

PROPOSED SANITARY SEWER (SEE SANITARY PLANS)

PROPOSED WATER MAIN (SEE WATER PLANS)

E JOHNSON STREET R/L

STA 23+22.00 18.50'RT (9.3)
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 23+22.00 11.15'RT (9.0)
MANHOLE 3X3-FT SADDLE WITH
MANHOLE COVERS TYPE J SPECIAL REQ'D.

STA 25+00.00 11.33'RT (10.0)
MANHOLE 3X3-FT SADDLE WITH
MANHOLE COVERS TYPE J SPECIAL REQ'D.

STA 25+00.00 18.50'RT (10.2)
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 26+40.00 11.50'RT (11.0)
MANHOLE 3X3-FT SADDLE WITH
MANHOLE COVERS TYPE J SPECIAL REQ'D.

STA 26+40.00 18.50'RT (11.2)
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 27+21.50 33.75'RT (12.1)
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

CONNECT TO EXISTING PIPE

STA 27+21.75 12.00'RT (12.0)
MANHOLES 5X5-FT DIAMETER WITH
MANHOLE COVERS TYPE J SPECIAL REQ'D.
36" RCP OFFSET CENTER 0.5 FT

RECONNECT STORM SEWER LATERAL

N BLOUNT STREET

CAUTION

ULO(G)

ULO(E)

0709-133-1028-2
APEX 637 LLC
640 E JOHNSON ST

0709-133-1129-0
644 E JOHNSON LLC
644 E JOHNSON ST

0709-133-1130-7
RAUPP, GREGG
648 E JOHNSON ST

0709-133-1131-5
JJC HOUSING LLC
650 E JOHNSON ST

0709-133-1132-3
PETERSON, RAY A
654 E JOHNSON ST

0709-132-1413-0
VICTORIAN HILL OWNERS ASC
%CREATIVE RE SERVICES INC
706 E JOHNSON ST

0709-133-1013-5
STEINDL LIV TR, JAMES M
611 E JOHNSON ST

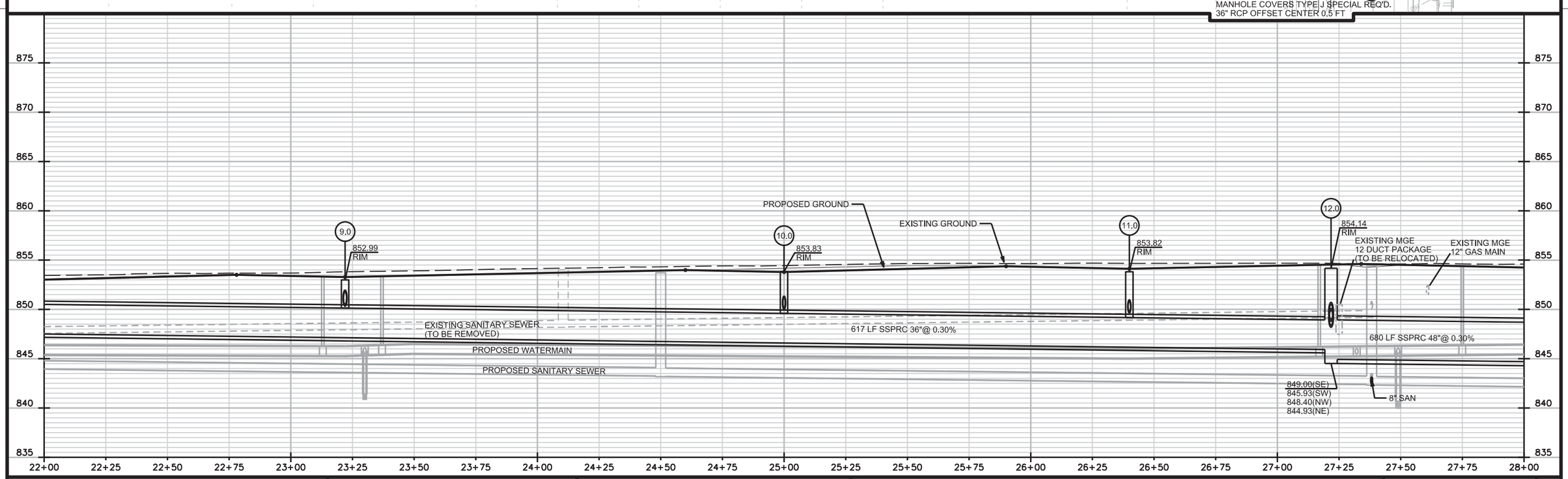
0709-133-1010-1
PETERSON, DOUGLAS M
619 E JOHNSON ST

0709-133-1003-6
CHANDLER 643-645 LLC
%CHT APARTMENT RENTALS
645 E JOHNSON ST

0709-133-1001-1
CHANDLER 651 LLC
%CHT APARTMENT RENTALS
651 E JOHNSON ST

0709-133-1002-8
CHANDLER 649 LLC
%CHT APARTMENT RENTALS
649 E JOHNSON ST

0709-132-1314-9
KLARIBOU LLC
701 E JOHNSON ST



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET 81	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-PnP""3.dgn PLOT DATE : 11/25/2013 PLOT BY : eneld PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 46

2

MATCHLINE STA 28+00.00

MATCHLINE STA 34+00.00

STA 30+10.00 24.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D. 13.1

STA 30+10.00 18.50'RT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D. 13.0

PROPOSED PRIVATE UTILITIES
(SEE PRIVATE UTILITY PLAN)

PROPOSED SANITARY SEWER
(SEE SANITARY PLANS)

TAP SPECIAL(2)

E JOHNSON STREET R/W

PROPOSED WATER MAIN
(SEE WATER PLANS)

STA 33+87.00 44.85'LT
ADJUSTING INLET COVERS EX.4

EXISTING STORM
SEWER TO REMAIN

STA 33+80.75 17.50'LT
ADJUSTING MANHOLE COVERS EX.3

STA 33+28.00 27.58'LT
TERRACE INLET TYPE 3
SPECIAL (SEE DETAIL) 14.0

STA 33+28.00 21.58'RT
TERRACE INLET TYPE 3
SPECIAL (SEE DETAIL) 15.0

STA 33+79.50 34.75'RT
ADJUSTING INLET COVERS EX.4.1

TAP SPECIAL

N LIVINGSTON STREET

0709-132-1414-7
SILVER PLUME PROPERTIES LLC
708 E JOHNSON ST

0709-132-1415-5
SILVER PLUME PROPERTIES LLC
710 E JOHNSON ST

0709-132-1416-3
DEGEN LLC
714 E JOHNSON ST

0709-132-1417-1
LUND, KELLY T
718 E JOHNSON ST

0709-132-1418-9
LUM, LYNN ANN
& MAN YEE & ELEANOR LUM
720 E JOHNSON ST

0709-132-1419-7
LUM, LYNN ANN
& MAN YEE & ELEANOR LUM
722 E JOHNSON ST

0709-132-1420-4
BALLWEG, RICHARD & JUDITH
728 E JOHNSON ST

0709-132-1421-2
VS OF MADISON LLP
% WILLIAM E STANGER
730 E JOHNSON ST

0709-132-1422-0
JOHNSON, MITCH
& LEAH JOHNSON
732 E JOHNSON ST

0709-132-1423-8
HEIDEN, REBECCA
C/O OAKLAND PROPERTIES
736 E JOHNSON ST

0709-132-1424-6
PETERSON, RAY A
738 E JOHNSON ST

0709-132-1425-4
SUTER, JOHN M & STEVEN R
742 E JOHNSON ST

0709-132-1426-2
GUGGER, JACK E
744 E JOHNSON ST

0709-132-1427-0
NORMANDY PARTNERS LLC
302 N LIVINGSTON ST

0709-132-1314-9
KLARIBOU LLC
701 E JOHNSON ST

0709-132-1313-1
707/709 E JOHNSON LLC
707 E JOHNSON ST

0709-132-1412-3
711/713 E JOHNSON LLC
711 E JOHNSON ST

0709-132-1411-5
GRADY, MICHAEL J & LYNN M
717 E JOHNSON ST

0709-132-1417-1
GRADY, MICHAEL J & LYNN M
719 E JOHNSON ST

0709-132-1309-0
GRADY, MICHAEL J & LYNN M
725 E JOHNSON ST

0709-132-1308-2
APEX 727 LLC
727 E JOHNSON ST

0709-132-1307-4
GRADY, MICHAEL J & LYNN M
731 E JOHNSON ST

0709-132-1306-6
KRUGER, DENNIS R & EVELYN
733 E JOHNSON ST

0709-132-1305-8
KI-II LLC
737 E JOHNSON

0709-132-1304-0
RZENTKOWSKI, I
739 E JOHNSON

0709-132-1303-2
HASSELHOF, GERT
SOEHNKE HASSELHOF
743 E JOHNSON ST

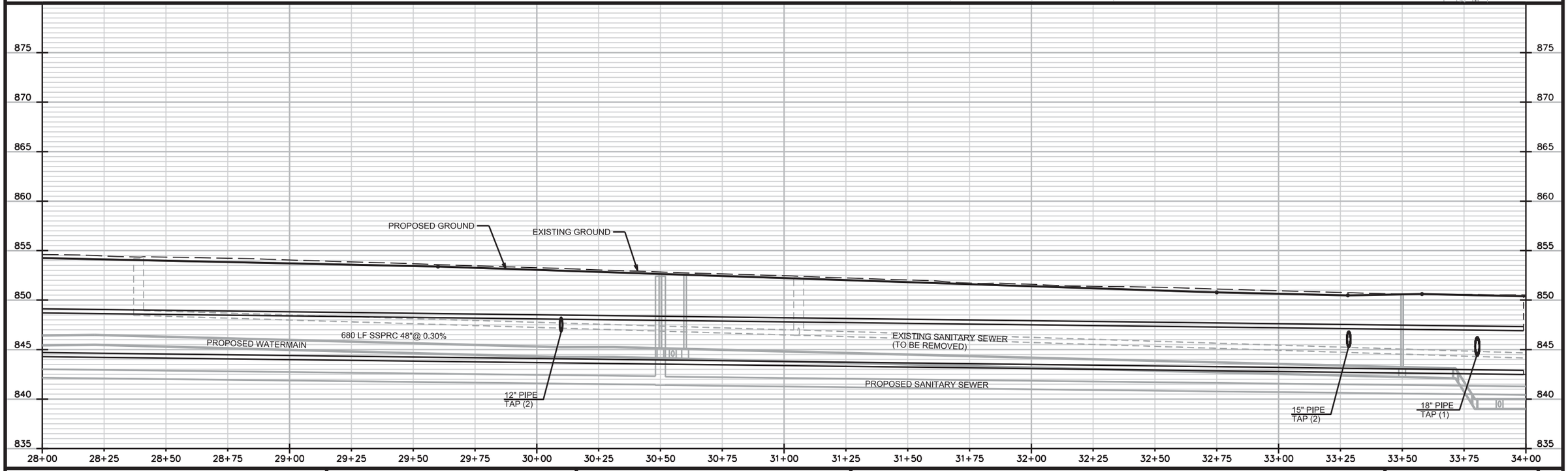
0709-132-1302-4
BETHEL OUTREACH INC
745 E JOHNSON ST

0709-132-1301-6
RCJ ENTERPRISES LLC
751 E JOHNSON ST

XXXXX XXXXX	REMOVING STORM SEWER
00000 00000	ABANDON STORM SEWER
X	REMOVING INLETS/MANHOLES
	SEWER FLOW DIRECTION

INSTALL SEWER ELECTRONIC MARKERS
AT TAP LOCATIONS

PROVIDE FLUID THERMAL BACKFILL AT CROSSING
OF STORM SEWER AND EXISTING ATC 69 KV LINE



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-PnP**4.dgn PLOT DATE : 11/14/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 46

2

MATCHLINE STA 34+00.00

MATCHLINE STA 40+00.00

N LIVINGSTON STREET

E JOHNSON STREET R/L

EXISTING STORM SEWER TO REMAIN

EX.6 STA 34+13.00 38.00'RT
ADJUST MANHOLE COVER

EXISTING STORM SEWER TO REMAIN

EX.5 STA 34+02.00 12.50'RT
ADJUST MANHOLE COVER

EX.4.2 STA 34+19.00 35.00'RT
ADJUST MANHOLE COVER

0709-132-0921-3
RETZLAFF, DANIEL J
301 N LIVINGSTON ST

0709-132-1001-2
SCHUETT, NICHOLAS D
223 N LIVINGSTON ST

0709-132-1002-0
ORTON PARK LLC
221 N LIVINGSTON ST

17.1 STA 35+00.00 24.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S REQ'D.

18.1 STA 36+50.00 24.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

19.1 STA 37+40.00 18.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

20.1 STA 38+24.00 24.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

21.1 STA 39+66.00 24.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

PROPOSED PRIVATE UTILITIES
(SEE PRIVATE UTILITY PLAN)

PROPOSED SANITARY SEWER
(SEE SANITARY PLANS)

PROPOSED WATER MAIN
(SEE WATER PLANS)

RECONNECT STORM
SEWER LATERAL (2)

RECONNECT STORM
SEWER LATERAL

17.0 STA 35+00.00 17.50'RT
MANHOLES 4X4-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

18.0 STA 36+50.00 17.50'RT
MANHOLES 4X4-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

19.0 STA 37+40.00 13.00'RT
MANHOLES 4X4-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.
COVER PLATES TEMPORARY REQ'D.

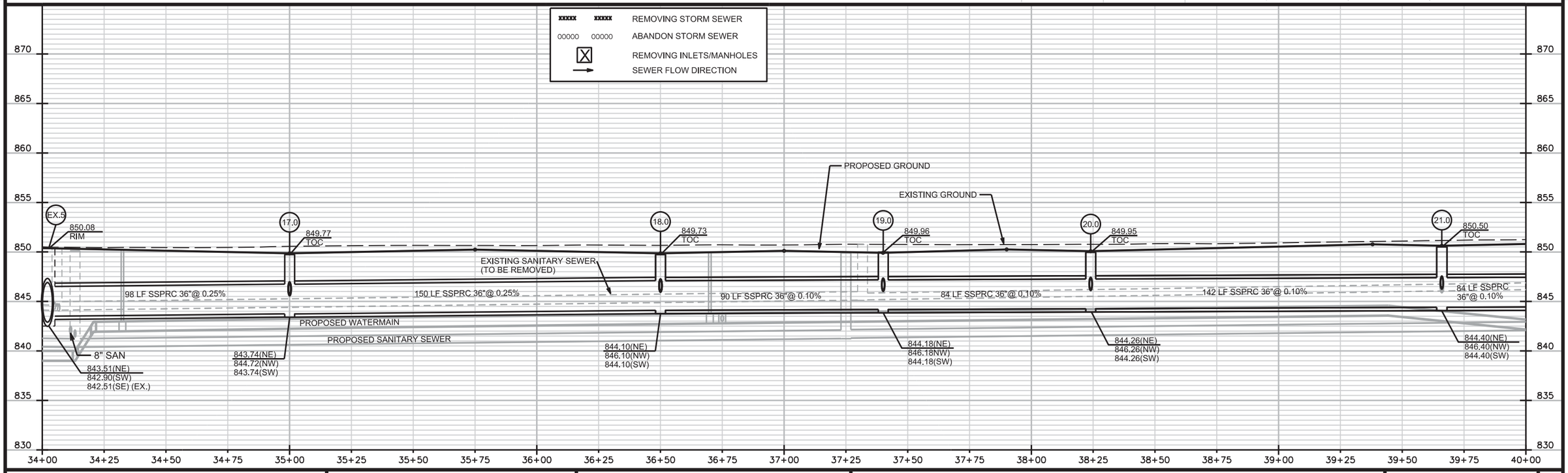
20.0 STA 38+24.00 17.50'RT
MANHOLES 4X4-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 39+66.00 17.50'RT
MANHOLES 4X4-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

21.0

REMOVE AND REPLACE SIDEWALK AS
NEEDED TO REPLACE STORM SEWER LATERALS
(MAX. 2 SW SQUARES, 50 SF, PER LATERAL)

0709-132-0922-1 RETZLAFF, DANIEL & JEFFREY A RETZLAFF 808 E JOHNSON ST
0709-132-0923-9 RETZLAFF, DANIEL J & JEFFREY A RETZLAFF 812 E JOHNSON ST
0709-132-0924-7 RETZLAFF, DANIEL J & JEFFREY A RETZLAFF 814 E JOHNSON ST
0709-132-0925-5 FERNANDEZ, CAROLINA 816 E JOHNSON ST
0709-132-0926-3 BLABAUM, GENE 820 E JOHNSON ST
0709-132-0927-1 L-H APARTMENTS LLC 822 E JOHNSON ST
0709-132-0928-9 KNOKE PROPERTIES LLC 824 E JOHNSON ST
0709-132-0929-7 NAGA WICKA PARTNERS LLC % OAKLAND PROP SVCS INC 828 E JOHNSON ST
0709-132-0930-4 DAVEY ET AL, BRUCE M 832 E JOHNSON ST
0709-132-0931-2 DAVEY, BRUCE M & KATHLEEN SITTER 836 E JOHNSON ST
0709-132-0932-0 RIPPLE, THOMAS D 838 E JOHNSON ST
0709-132-0933-8 RIPPLE, THOMAS D 842 E JOHNSON ST
0709-132-0934-6 MARSHALL, EILEEN M & KIM WEDEMEIER ET AL 844 E JOHNSON ST
0709-132-0935-4 MARSHALL, EILEEN M & KIM WEDEMEIER ET AL 846 E JOHNSON ST
0709-132-0936-2 852 LLC 852 E JOHNSON ST
0709-132-1037-7 MADISON INVESTMENTS OF 807 E JOHNSON ST
0709-132-1036-9 815 E JOHNSON ST LLC % MADISON PROPERTY MNGMT 815 E JOHNSON ST
0709-132-1035-1 VAN ROOY, CARL & R ENDRES % WI MGMT CO 817 E JOHNSON ST
0709-132-1034-3 LY'BARGER, CATHERINE A 819 E JOHNSON ST
0709-132-1033-5 VAN ROOY, CARL J & JANET % % WI MANAGEMENT CO INC 821 E JOHNSON ST
0709-132-1032-7 ENDRES LIVING TRUST % RUSS ENDRES 825 E JOHNSON ST
0709-132-1031-9 LIV TR, NELS W 831 E JOHNSON ST
0709-132-1038-5 ASKM PROPERTIES LLC 831 E JOHNSON ST
0709-132-1030-1 KNOEBEL, THOMAS R 835 E JOHNSON ST
0709-132-1029-7 BECKER, RICHARD A 837 E JOHNSON ST
0709-132-1028-9 ANDREASEN, SCOTT C & AMY CHERYL ANDREASEN 841 E JOHNSON ST
0709-132-1027-8 CASA GIANFRANCO LLC 843 E JOHNSON ST
0709-132-1026-0 KAESER, ERNEST & CLAIRE % CONSTRANCE KAESER 847 E JOHNSON ST
0709-132-1025-2 KAESER ENTERPRISES OF MADISON, INC 851 E JOHNSON ST



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET 83 E

MATCHLINE STA 40+00.00

MATCHLINE STA 46+00.00

22.4 STA 40+21.93 18.50'LT
INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

CONCRETE COLLAR

22.3 STA 40+43.00 16.00'LT
MANHOLES 6X6-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D.

RECONNECT STORM SEWER LATERAL

PLUG

23.0 STA 41+01.70 19.00'LT
MANHOLES 4X4-FT WITH MANHOLE COVERS TYPE H-S SPECIAL REQ'D.

RECONNECT STORM SEWER LATERAL (2)

23.1 STA 41+53.20 24.00'LT
MANHOLES 3X3-FT WITH MANHOLE COVERS TYPE J SPECIAL REQ'D.

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE STORM SEWER LATERALS (MAX. 2 SW SQUARES, 50 SF, PER LATERAL)

24.0 STA 41+98.50 24.00'LT
MANHOLES 3X3-FT WITH MANHOLE COVERS TYPE H SPECIAL REQ'D.

RECONNECT STORM SEWER LATERAL

25.0 STA 42+49.50 24.50'LT
MANHOLES 3X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

RECONNECT STORM SEWER LATERAL

26.0 STA 43+21.50 24.50'LT
MANHOLES 3X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

27.0 STA 43+97.00 24.50'LT
MANHOLES 3X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

RECONNECT STORM SEWER LATERAL

28.0 STA 44+49.00 24.50'LT
MANHOLES 3X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

PROPOSED PRIVATE UTILITIES (SEE PRIVATE UTILITY PLAN)

PROPOSED WATER MAIN (SEE WATER PLANS)

PROPOSED SANITARY SEWER (SEE SANITARY PLANS)

E JOHNSON STREET R/L

N PATERSON STREET

ULO(G)

22.2 STA 41+00.00 18.50'RT
INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

22.1 STA 40+79.30 36.50'RT
INLETS 2X3-FT WITH INLET COVERS TYPE H-S SPECIAL REQ'D.

25.1 STA 42+79.00 18.50'RT
INLETS 2X3-FT WITH INLET COVERS TYPE H SPECIAL REQ'D.

22.0 STA 40+41.00 37.00'RT
CATCHBASIN SPECIAL WITH MANHOLE COVERS TYPE J SPECIAL REQ'D AND INLET COVERS TYPE H-S SPECIAL REQ'D.

0709-132-0411-4 WRIGHT, JOHN S 302 NORRIS CT

0709-132-0409-9 WRIGHT, JOHN S 306 NORRIS CT

0709-132-0410-6 WRIGHT, JOHN S 305 NORRIS CT

0709-132-0411-4 WRIGHT, JOHN S 301 NORRIS CT

0709-132-0412-2 SCHIEVE, AUDRIC N 938 E JOHNSON ST

0709-132-0413-0 UNAL, ORHAN & CIGDEM UNAL 940 E JOHNSON ST

0709-132-0414-8 KUENZI, SCOTT A & CYNTHIA M KUENZI 946 E JOHNSON ST

0709-132-0525-3 AIM HI LLC 941 E JOHNSON ST

0709-132-1025-2 KAESER ENTERPRISES OF MADISON, INC 851 E JOHNSON ST

0709-132-0936-2 KIMMERLER REAL ESTATE LLC 901 E JOHNSON ST

0709-132-0534-4 CHICKADEE LLC 911 E JOHNSON ST

0709-132-0533-6 RAITT, DAVID M 915 E JOHNSON ST

0709-132-0532-8 NIERENGARTEN, DR DAVID M 917 E JOHNSON ST

0709-132-0531-0 SCERPELLA, MATTHEW & AMANDA SCERPELLA 919 E JOHNSON ST

0709-132-0530-2 D'AGOSTINO, ELISIO U 921 E JOHNSON ST

0709-132-0529-5 HEF JOHNSON LLC 925 E JOHNSON ST

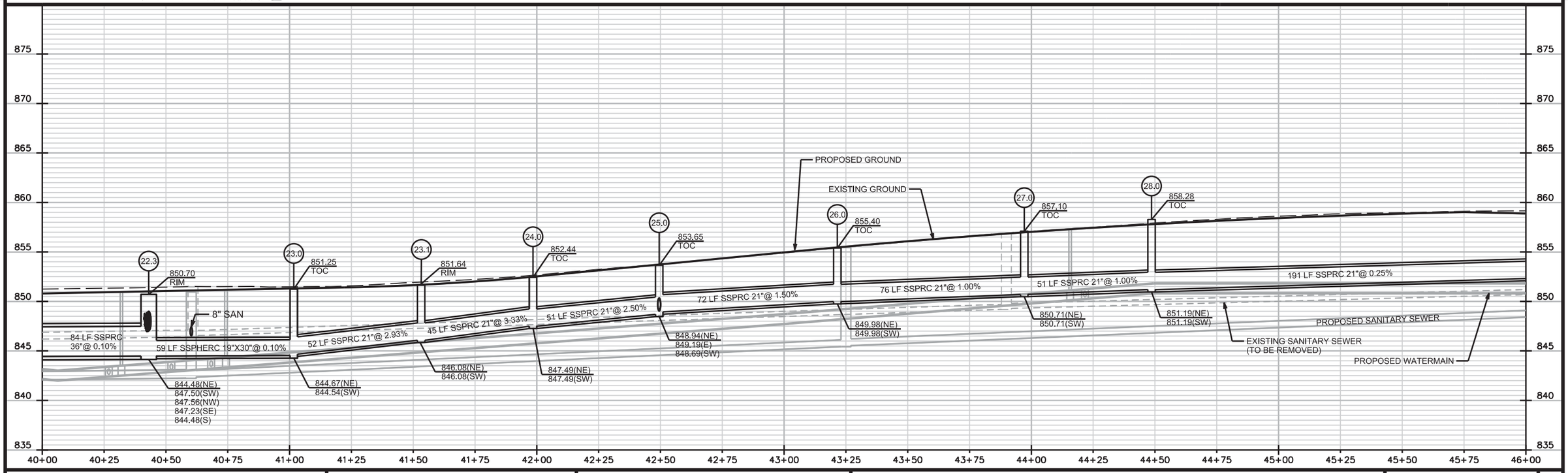
0709-132-0528-7 BARRETT, MICHAEL & PAMELA 929 E JOHNSON ST

0709-132-0527-9 VASUDEVAN, GANESH 931 E JOHNSON ST

0709-132-0526-1 REINDERS, THOMAS R 933 E JOHNSON ST

0709-132-0524-5 NADOLNEY, LEE A 945 E JOHNSON ST

XXXXX	XXXXX	REMOVING STORM SEWER
00000	00000	ABANDON STORM SEWER
		REMOVING INLETS/MANHOLES
		SEWER FLOW DIRECTION



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET 84 E

2

MATCHLINE STA 46+00.00

MATCHLINE STA 52+00.00

STA 47+06.00 42.00'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL
REQ'D.

STA 46+81.00 18.50'LT
MANHOLES 3X3-FT WITH INLET
COVERS TYPE H-S SPECIAL
REQ'D.

STA 46+40.00 24.50'LT
MANHOLES 3X3-FT WITH INLET
COVERS TYPE H-S SPECIAL
REQ'D.

STA 46+40.00 18.50'RT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL
REQ'D.

STA 47+40.90 45.20'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

STA 48+00.00 22.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 46+99.25 26.00'LT
MANHOLES 3X3-FT DIAMETER WITH
MANHOLE COVERS TYPE J SPECIAL
REQ'D.

STA 48+00.00 18.50'RT
INLETS 2X3-FT WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.

STA 51+71.50 22.50'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

STA 51+71.50 18.50'RT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.

ULO(T)

ULO(G,T)

ULO(G)

CAUTION

PROPOSED PRIVATE UTILITIES
(SEE PRIVATE UTILITY PLAN)

PROPOSED WATER MAIN
(SEE WATER PLANS)

PROPOSED SANITARY SEWER
(SEE SANITARY PLANS)

E JOHNSON STREET R/L

N BREARLY STREET

0709-132-0416-2
RICHARDS, BRIAN
952 E JOHNSON ST

0709-131-1301-8
VARDA, DUNCAN T
& ANTHONY R VARDA
1000 E JOHNSON ST

0709-131-1302-6
ALLMANN, DAVID M
1004 E JOHNSON ST

0709-131-1303-4
ANDERSON, CARL & CAROLE
1010 E JOHNSON ST

0709-131-1304-2
ORTON PARK LT.C.
1014 E JOHNSON ST

0709-131-1305-0
ORTON PARK LT.C.
1020 E JOHNSON ST

0709-131-1306-8
CLARY, KENNETH R.
1022 E JOHNSON ST

0709-131-1307-6
TILLEY, THOMAS G
1026 E JOHNSON ST

0709-131-1308-4
GOLDBERG ETAL, SIMON B
1028 E JOHNSON ST

0709-131-1309-2
WILSON, BRIAN C
& HEATHER K CLIFT
1030 E JOHNSON ST

0709-131-1310-0
BRENNAN, LISA M
1034 E JOHNSON ST

0709-131-1311-7
RICHARDSON, DALE K
1040 E JOHNSON ST

0709-131-1312-5
VAUGHAN, CHARLES T
& JENNIFER R VAUGHAN
1042 E JOHNSON ST

0709-132-0523-7
RNB REVOCABLE LIV TRUST
947 E JOHNSON ST

0709-132-0522-9
KEENAN, RYAN C
& MARGARET C KEENAN
949 E JOHNSON ST

0709-132-0521-1
STEWART, BLAKE C
953 E JOHNSON ST

0709-131-1430-5
PFEFFERLE, JAMES & BOBBI
& MICHAEL C PFEFFERLE
1005 E JOHNSON ST

0709-131-1429-8
KRAUSE, DONALD & JOAN
1007 E JOHNSON ST

0709-131-1428-0
KRUSKA TRUST, EUGENE &
LUELLA
1009 E JOHNSON ST

0709-131-1427-2
ERICKSON, PAUL M
& LINDSAY E RIESE
1015 E JOHNSON ST

0709-131-1426-4
LAVONCHER, JEFFREY L
JESSICA B LAVONCHER
1019 E JOHNSON ST

0709-131-1425-6
LAVONCHER, JEFFREY L
JESSICA B LAVONCHER
1021 E JOHNSON ST

0709-131-1424-8
ORMAZA, MATTHEW
& LORI A LASSE
1025 E JOHNSON ST

0709-131-1423-0
LAND, DIAN JEANETTE
& CHRISTINA A HOKE
1027 E JOHNSON ST

0709-131-1422-2
1033 E JOHNSON ST LLC
% MADISON PROPERTY MNGMT
1033 E JOHNSON ST

0709-131-1421-4
KNURR, STEVEN C
1041 E JOHNSON ST

12-IN CI (1928)

6-IN CI (1882)

8-IN CI (1873)

4-IN CI (1886)

6-IN CI (1886)

4"ST 20 PSI

4"STEEL

EX ATT TRAN & WISDOT FO

EX ATT TRAN

* INLET TOC ELEVATION TO
TOP OF "X" TYPE CURB

XXXXX XXXXX REMOVING STORM SEWER

00000 00000 ABANDON STORM SEWER

REMOVING INLETS/MANHOLES

SEWER FLOW DIRECTION

880 875 870 865 860 855 850 845 840

29.0 859.96* TOC

29.4 859.90* TOC

30.0 860.30 RIM

30.3 859.42 TOC

31.3 856.70 TOC

EXISTING MGE
4" GAS MAIN

EXISTING MGE
4" GAS MAIN
(TO BE RELOCATED)

EXISTING ATT WI
CABLE LINE

191 LF SSPRC
21"@ 0.75%

42 LF SSPRC
21"@ 0.25%

101 LF SSPRC 15"@ 0.75%

19 LF SSPRC
21"@ 1.00%

153 LF SSPRC
15"@ 1.00%

852.60(NE)
855.06(SE)
852.60(SW)

852.98(NE)
852.98(SW)

854.26(NE)
855.86(NW)
853.76(SW)

855.00(SE)
855.00(SW)

852.41(NW)
852.16(NE)

EXISTING ATT TRAN
& WISDOT FO LINE
(6-2" HDPE CONDUITS)

PROPOSED GROUND

EXISTING GROUND

PROPOSED WATERMAIN

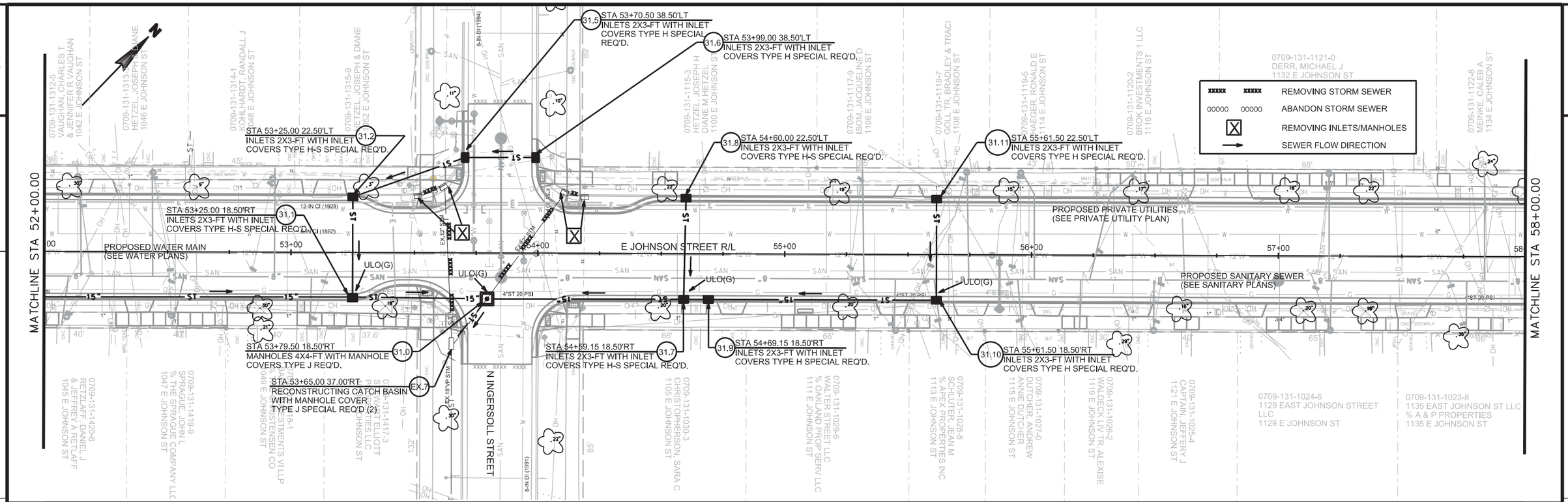
EXISTING SANITARY SEWER
(TO BE REMOVED)

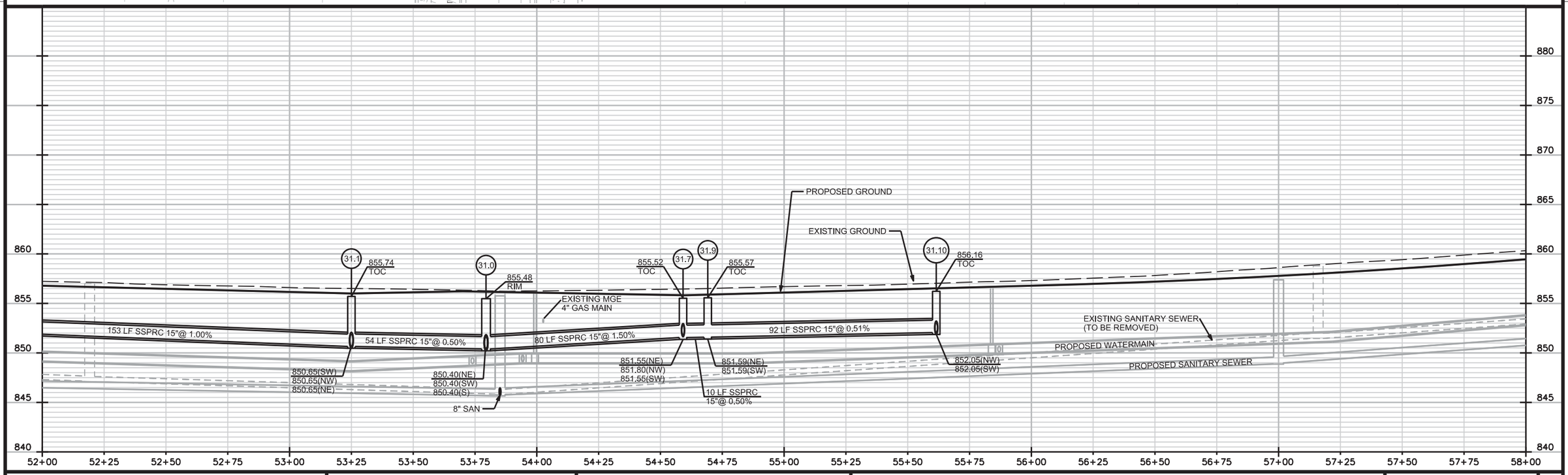
PROPOSED SANITARY SEWER

46+00 46+25 46+50 46+75 47+00 47+25 47+50 47+75 48+00 48+25 48+50 48+75 49+00 49+25 49+50 49+75 50+00 50+25 50+50 50+75 51+00 51+25 51+50 51+75 52+00

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET 85 E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-PnP**7.dgn PLOT DATE : 11/14/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.



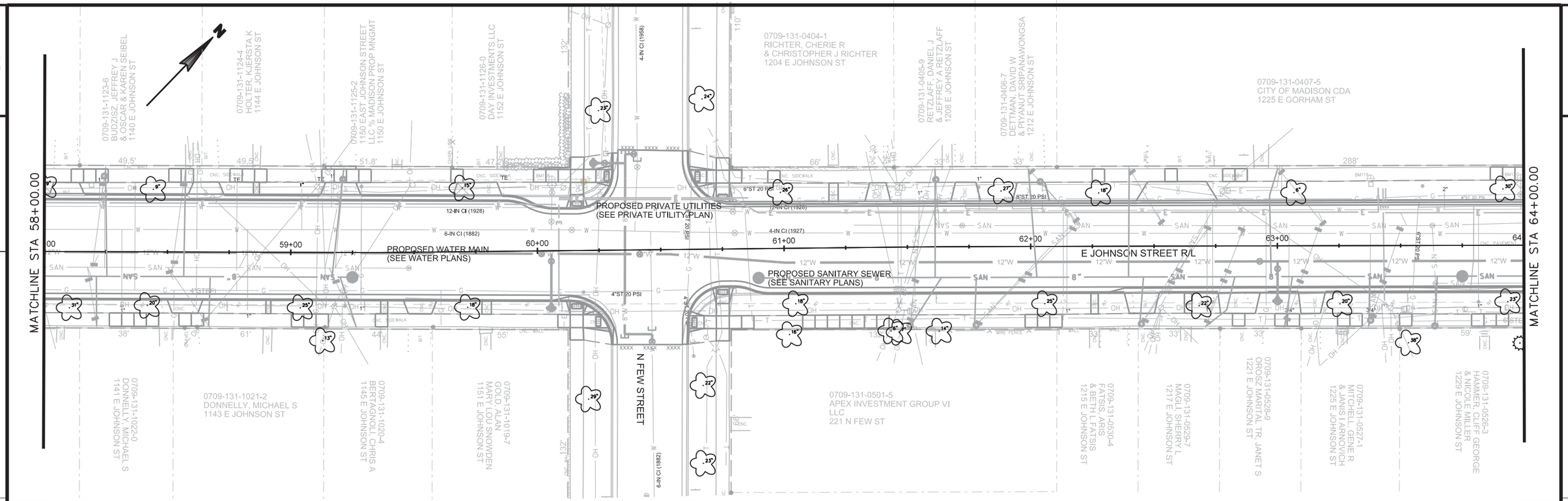


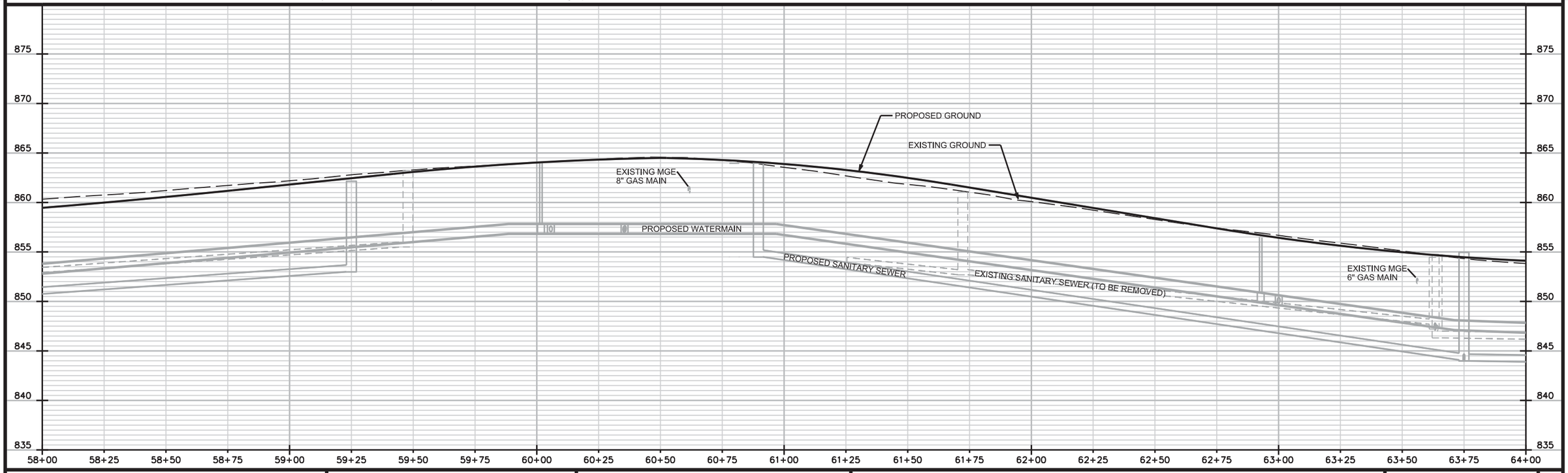
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-PnP**8.dgn PLOT DATE : 11/14/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 46

2





PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET E

FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-PnP**9.dgn
PLOT DATE : 11/14/2013
PLOT BY : enkdf
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 46

2

MATCHLINE STA 64+00.00

MATCHLINE STA 70+00.00

E GORHAM STREET

E JOHNSON STREET R/L

MARSTON AVENUE

N BALDWIN STREET

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

CITY OF MADISON CDA
302 N BALDWIN ST

STA 64+67.00 17.50'LT
ADJUSTING INLET COVERS
EX.9

STA 65+60.00 26.50'LT
RECONSTRUCTING CATCHBASIN WITH INLET
COVERS TYPE H-S SPECIAL REQ'D.
EX.11

STA 64+43.00 18.50'RT
ADJUSTING INLET COVERS
EX.8

STA 64+67.00 18.50'RT
ADJUSTING INLET COVERS
EX.10

STA 65+39.50 18.50'RT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.
32.1

STA 67+42.00 19.25'LT
RECONSTRUCTING CATCHBASIN WITH
MANHOLE COVERS TYPE J REQ'D.
COVER PLATES TEMPORARY REQ'D.
EX.12

STA 68+49.50 24.50'LT
ADJUSTING INLET COVERS
COVER PLATES TEMPORARY REQ'D.
EX.13

STA 69+33.00 23.25'LT
INLETS 2X3-FT SPECIAL WITH INLET
COVERS TYPE H SPECIAL REQ'D.
34.0

STA 69+33.00 32.00'LT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.
34.1

STA 65+91.50 19.50'RT
INLETS 2X3-FT WITH INLET
COVERS TYPE H SPECIAL REQ'D.
32.2

STA 66+82.70 41.50'RT
TERRACE INLET TYPE 3
SPECIAL (SEE DETAIL)
33.1

STA 67+30.45 40.50'RT
TERRACE INLET TYPE 3
SPECIAL (SEE DETAIL)
33.0

COVER PLATES
TEMPORARY REQ'D.
EX.14

PROPOSED PRIVATE UTILITIES
(SEE PRIVATE UTILITY PLAN)

EXISTING
STORM SEWER
TO REMAIN

PROPOSED WATER MAIN
(SEE WATER PLANS)

PROPOSED SANITARY SEWER
(SEE SANITARY PLANS)

RECONNECT STORM SEWER
LATERAL

ULO(G)

ULO(G,T)

CAUTION

STUB

EX. 5'X4' BOX

EX.24" RCP STM

EX.18"RCP STM

EX.15" STM

6-IN CI (1961)

8-IN DI (1999)

8"ST 20 PSI

6"ST 20 PSI

1" 2"PL 20 PSI

12-IN CI (1928)

4-IN CI (1912)

4-IN CI (1927)

0709-124-0321-1
WINDER, TAYLOR J

0709-124-0311-3
PEDLEY, ROBERT T
1305 E JOHNSON ST

0709-124-0310-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT

0709-124-0308-0
COLBERT, MARCEL STEFAN &
FRANCES PHILOMENE COLBERT
1321 E JOHNSON ST

0709-124-0309-8
BERGERSEN, GUNNAR A
1319 E JOHNSON ST

0709-131-0525-5
SPENCER, PHILIP J
& SUSAN K SPENCER
1233 E JOHNSON ST

0709-131-0524-7
BONEBRAKE, MICHAEL
1235 E JOHNSON ST

0709-131-0523-9
JOHNSON CURTIS LLC
1237 E JOHNSON ST

0709-131-0522-1
MCDERMOTT, PATRICK A
LADINE L MCDERMOTT
1239 E JOHNSON ST

0709-131-0521-3
F&L/WINTHER PROPERTIES
LLC
1247 E JOHNSON ST

0709-131-0520-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1251 E JOHNSON ST

0709-131-0519-7
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1257 E JOHNSON ST

0709-131-0518-9
BACKUS, SETH
1259 E JOHNSON ST

REMOVE AND REPLACE SIDEWALK AS
NEEDED TO REPLACE STORM SEWER LATERALS
(MAX. 2 SW SQUARES, 50 SF, PER LATERAL)

XXXXX XXXXX	REMOVING STORM SEWER
00000 00000	ABANDON STORM SEWER
X	REMOVING INLETS/MANHOLES
→	SEWER FLOW DIRECTION

* INLET TOC ELEVATION TO
TOP OF "X" TYPE CURB

875 870 865 860 855 850 845 840 835

64+00 64+25 64+50 64+75 65+00 65+25 65+50 65+75 66+00 66+25 66+50 66+75 67+00 67+25 67+50 67+75 68+00 68+25 68+50 68+75 69+00 69+25 69+50 69+75 70+00

32.1 854.99* TOC

32.2 855.32* TOC

52 LF SSPRC
12"@ 2.00%

848.47(NE)
848.47(N)

849.45(SW)

PROPOSED WATERMAIN

PROPOSED SANITARY SEWER

33.1 856.88 TOC

33.0 856.88 TOC

EX.12 854.15 RIM

48 LF SSPRC 15" @ 0.50%

852.85(NE)
EXISTING MGE
8" GAS MAIN
(VERIFY DEPTH)

852.63(SW)
852.63(NW)

850.62(SE)
844.46(NE)

61 LF SSPRC
15" @ 3.50%

PROPOSED GROUND

EXISTING GROUND

34.0 853.55 TOC

INLET CONNECTION
PER DETAIL

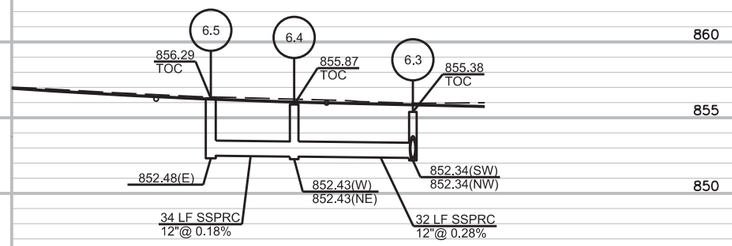
EXISTING 5X4 STORM BOX

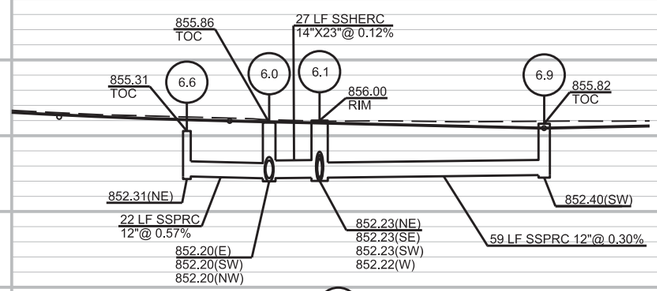
EXISTING SANITARY SEWER

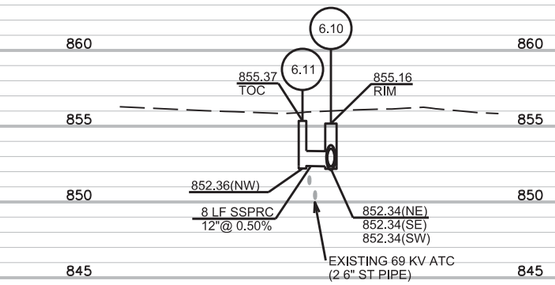
EXISTING MGE
2" GAS MAIN

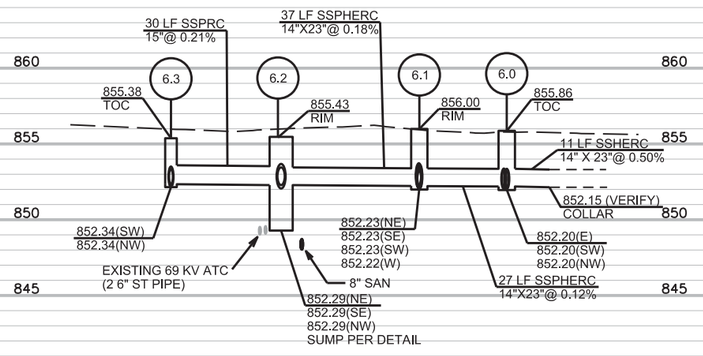
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

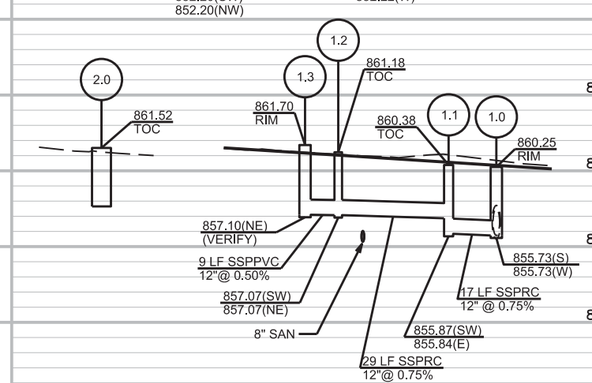
FILE NAME : M:\DESIGN\Projects\53W0740\Storm\Design\53W0740STM-PnP**10.dgn PLOT DATE : 11/14/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

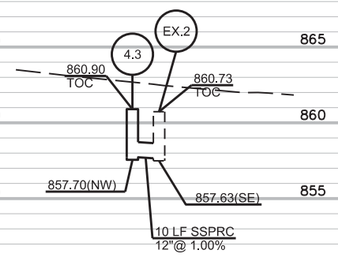


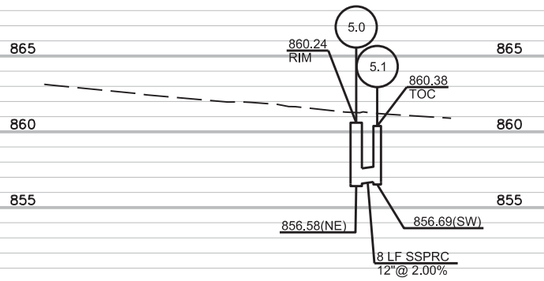


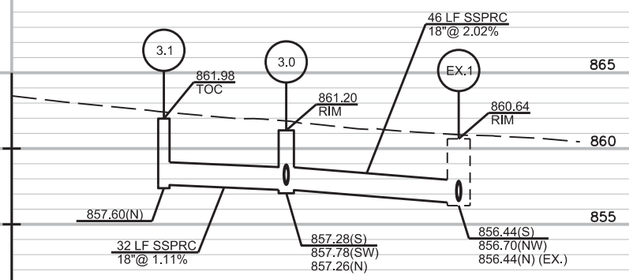


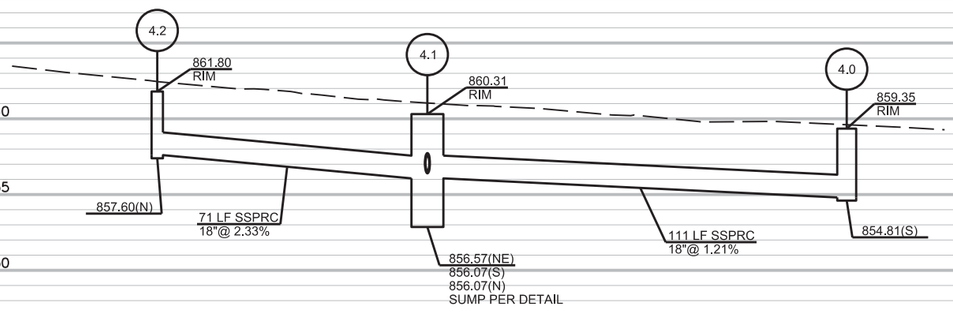




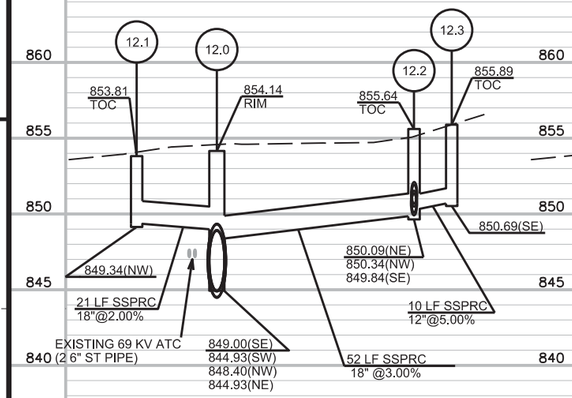


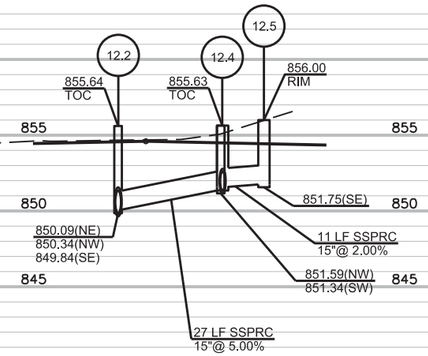


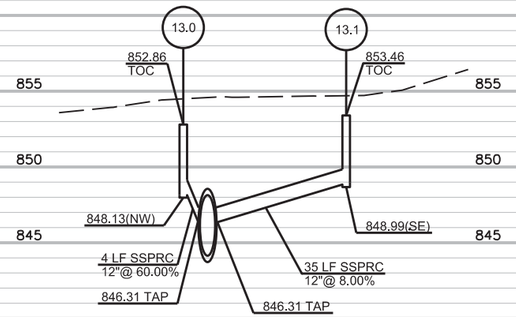


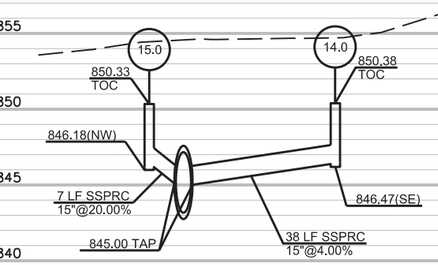


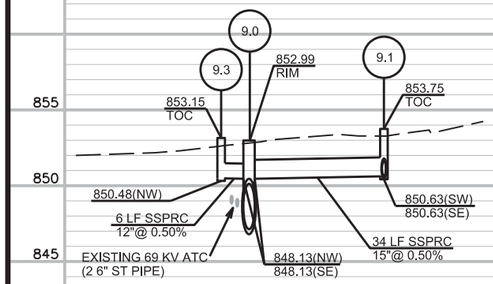
PROJECT NO:5992-09-11	HWY: E JOHNSON STREET	COUNTY:DANE	STORM SEWER PLAN	SHEET 89	E

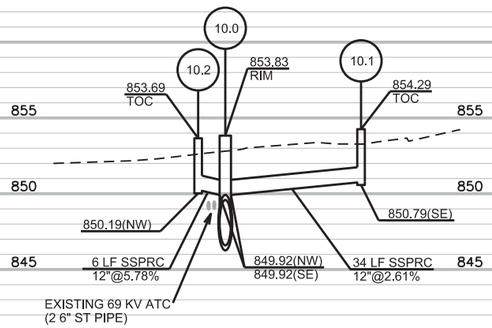


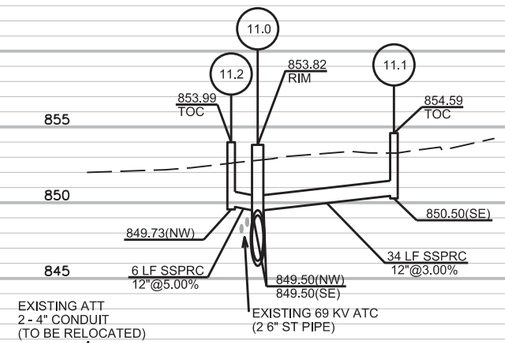


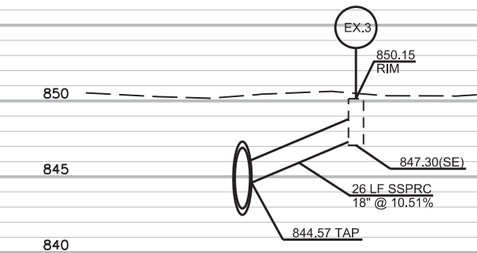


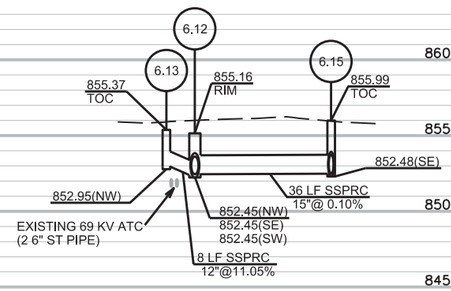


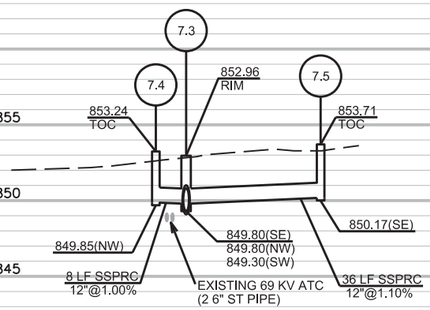


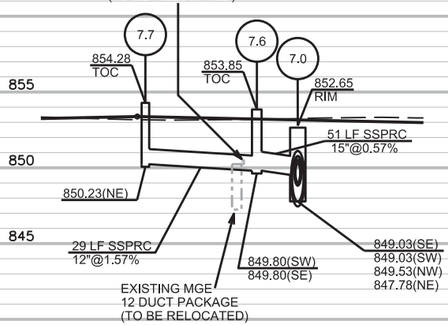


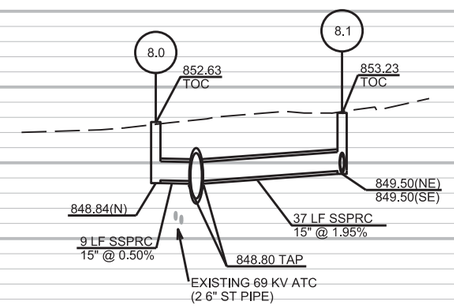


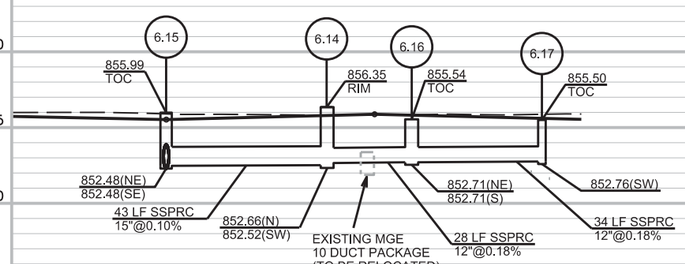


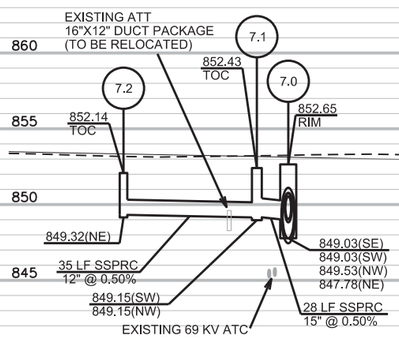


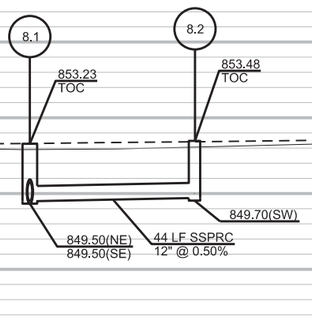


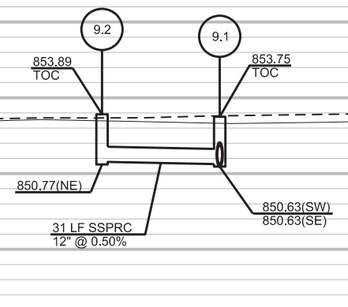




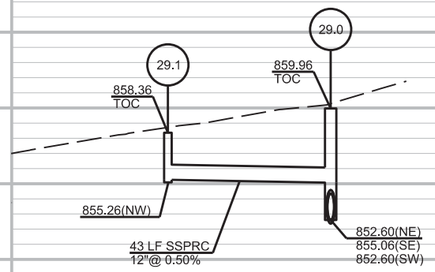


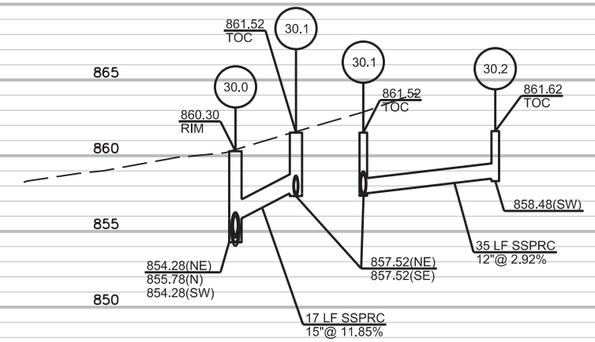


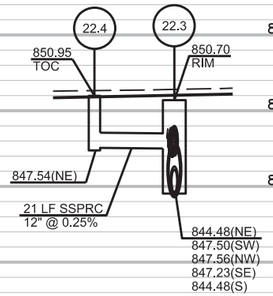


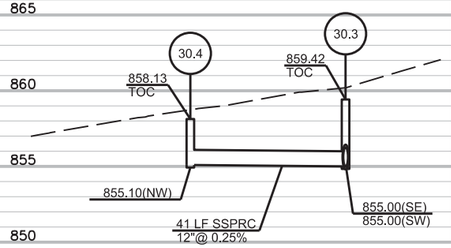


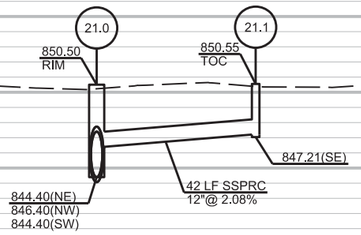
PROJECT NO:5992-09-11	HWY: E JOHNSON STREET	COUNTY:DANE	STORM SEWER PLAN	SHEET 90	E

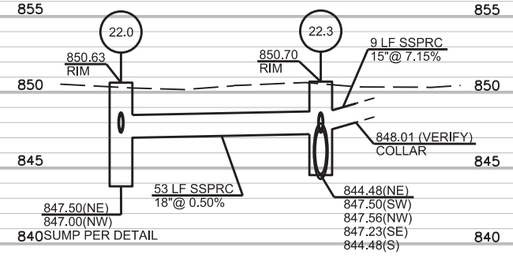


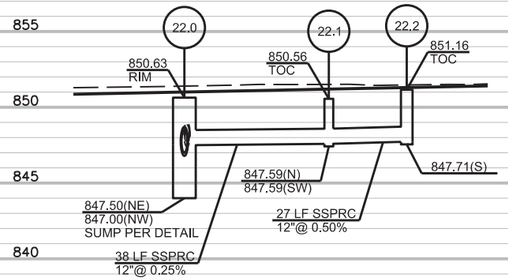


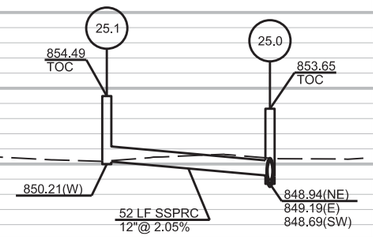


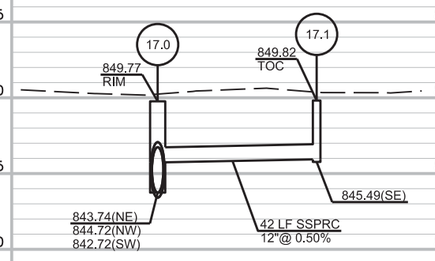


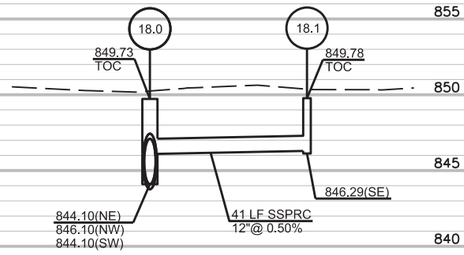


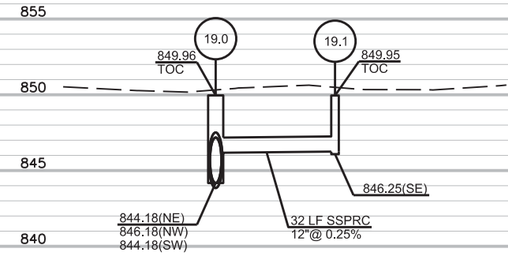


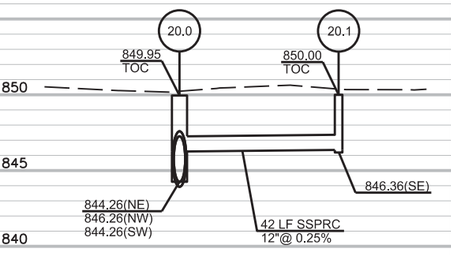








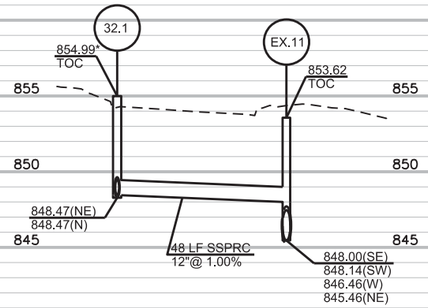


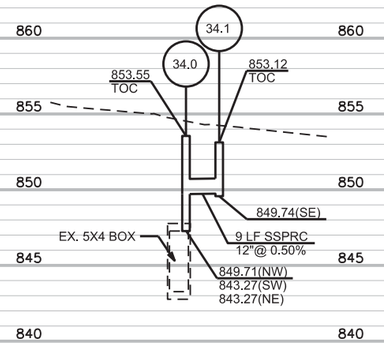


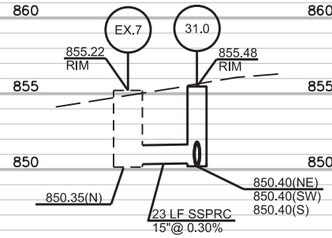
PROJECT NO:5992-09-11	HWY:E JOHNSON STREET	COUNTY:DANE	STORM SEWER PLAN	SHEET 91	E

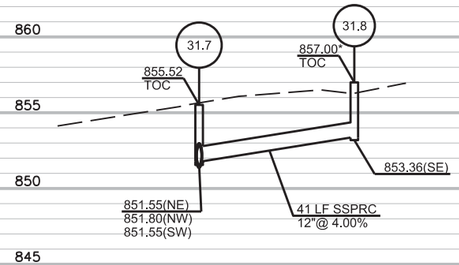
2

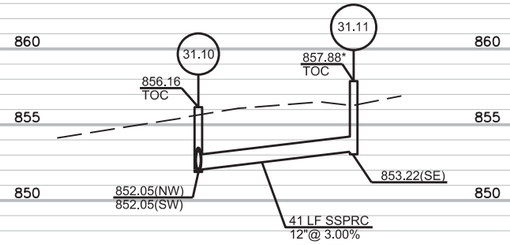
* INLET TOC ELEVATION TO TOP OF "X" TYPE CURB

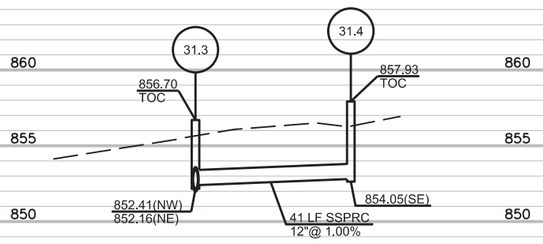


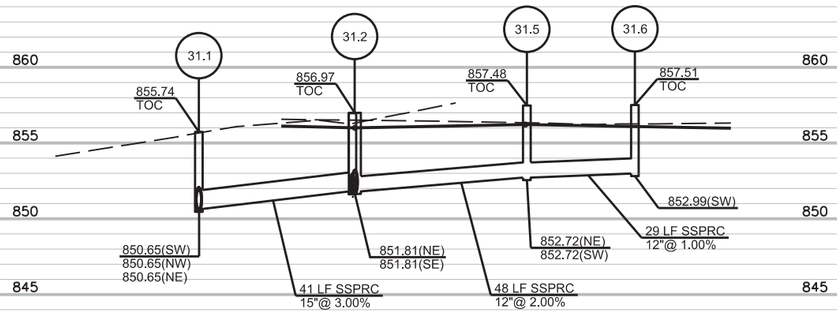




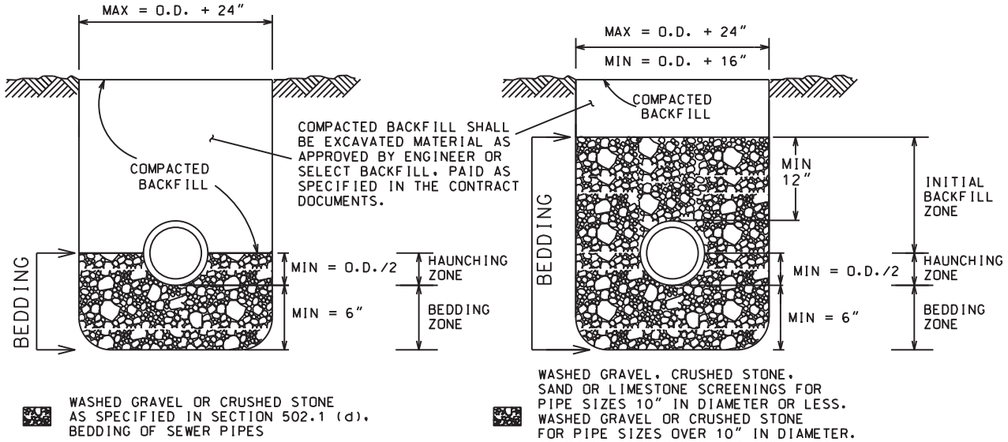








PROJECT NO:5992-09-11	HWY: E JOHNSON STREET	COUNTY:DANE	STORM SEWER PLAN	SHEET 92	E



BEDDING FOR REINFORCED CONCRETE SEWER PIPES

BEDDING FOR SANITARY SEWER PIPES AS WELL AS METAL, ADS, AND PVC STORM PIPES

NOTES:

UNLESS OTHERWISE SPECIFIED, ALL SANITARY AND STORM SEWER 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 BACKFILL, IF REQUIRED, SHALL BE PAID PER CONTRACT.

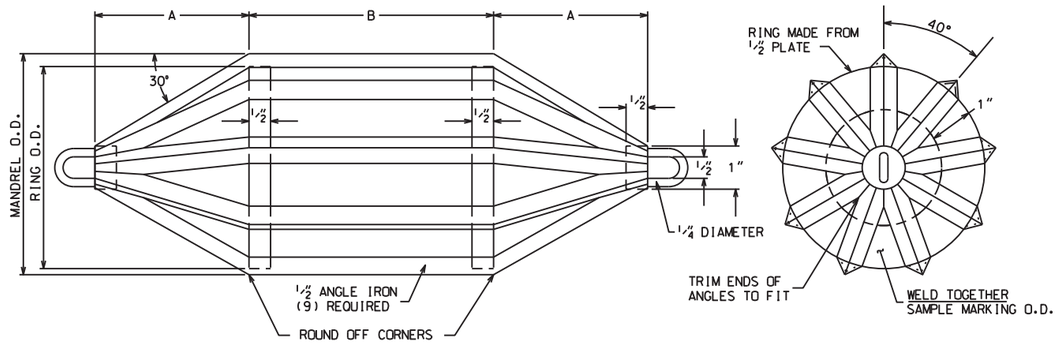
THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE O.D. + 24" AND MINIMUM OF OD + 16" AS SPECIFIED, AND SHALL APPLY FROM THE BOTTOM OF THE TRENCH TO A POINT 12" ABOVE THE TOP OF THE PIPE. WHERE THIS WIDTH IS EXCEEDED, THE CONTRACTOR SHALL FURNISH AND INSTALL A HIGHER TYPE OF BEDDING AT NO EXTRA COST. THE TYPE OF BEDDING SHALL BE DETERMINED BY THE ENGINEER.

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

PIPE BEDDING AND BACKFILL

SCALE: NONE

(CITY OF MADISON S.D.D. 5.2.1)



SIDE VIEW

END VIEW

NOMINAL PIPE SIZE ID, in	DIMENSIONS A, in	DIMENSIONS B, in	MANDRELL O.D., in	RING O.D., 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.

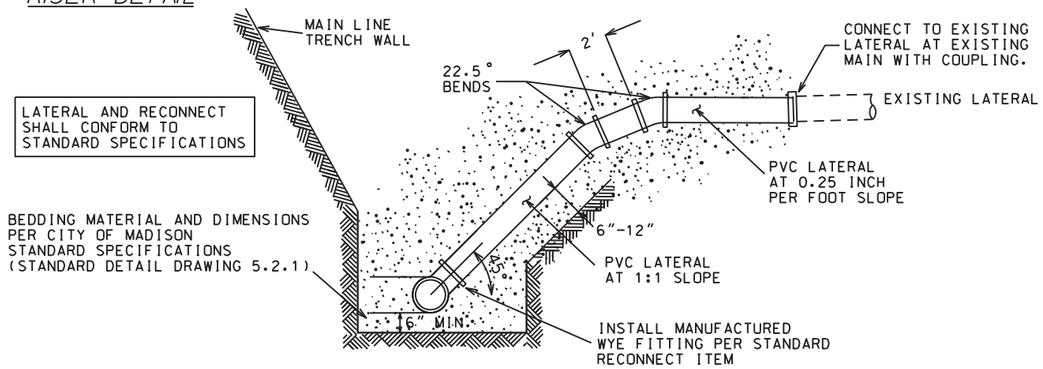
MANDREL DETAIL

SCALE: NONE

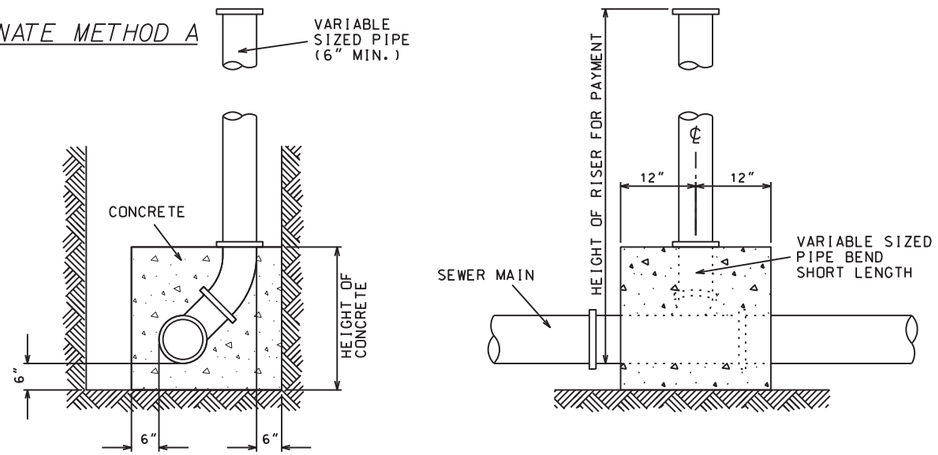
(CITY OF MADISON S.D.D. 5.1.1)

2

RISER DETAIL



ALTERNATE METHOD A



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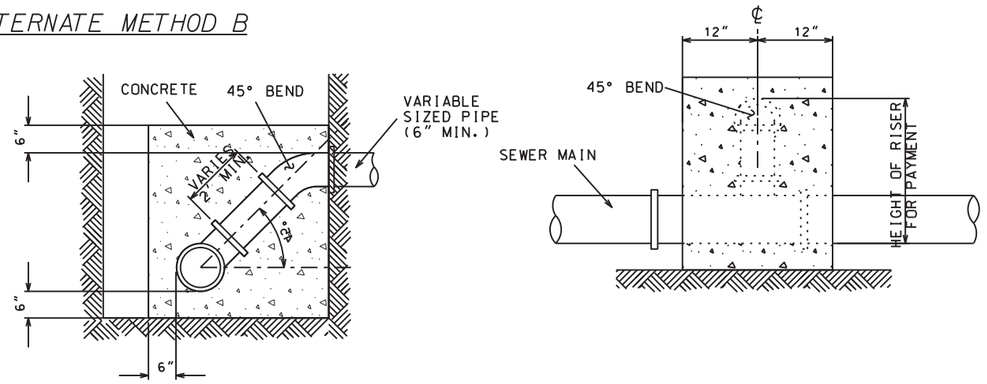
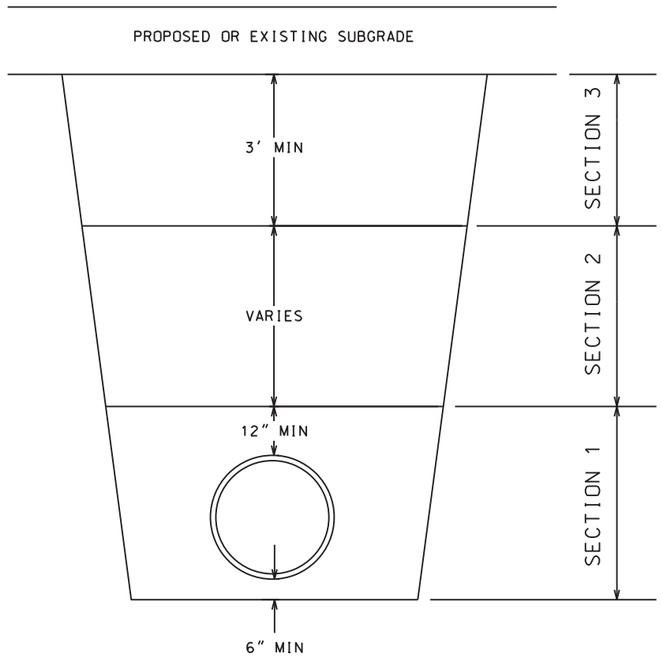


RISER DETAIL

SCALE: NONE

(CITY OF MADISON S.D.D. 5.3.1)



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), 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 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.

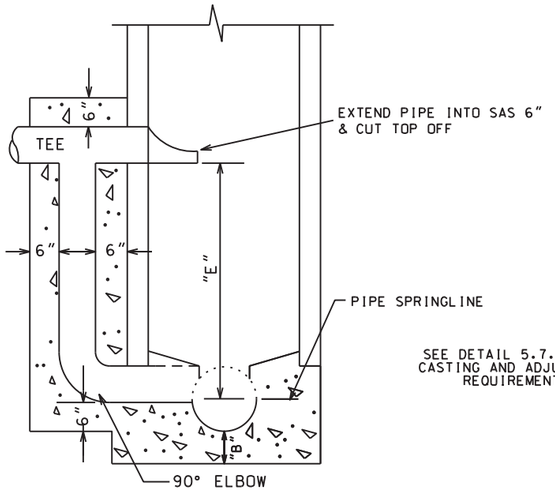
SECTION 3:

MINIMUM COMPACTION OF 95% MAXIMUM DENSITY.

TYPICAL TRENCH COMPACTION

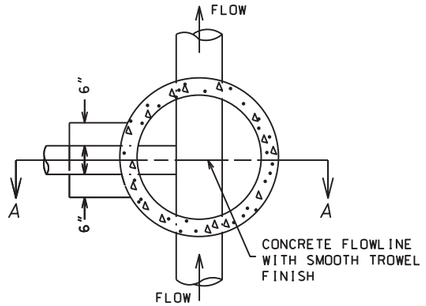
SCALE: NONE

(CITY OF MADISON S.D.D. 5.2.2)

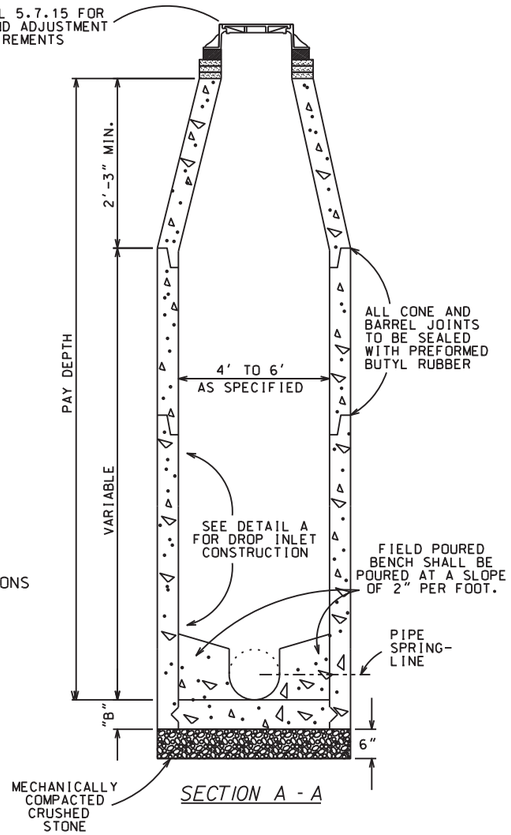


DETAIL A

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

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 APPORVAL 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.

SANITARY SEWER ACCESS STRUCTURE (4-FT DIAMETER)

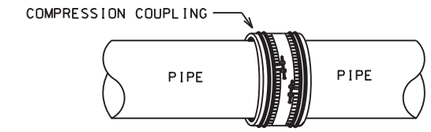
SCALE: NONE

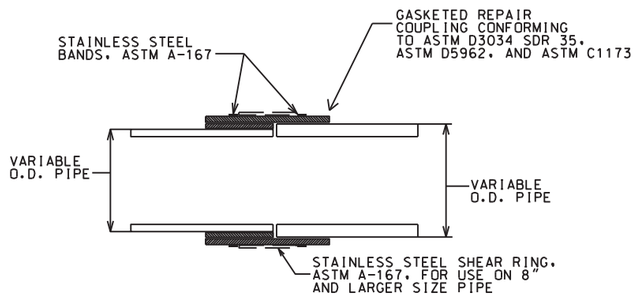
(CITY OF MADISON S.D.D. 5.7.2)

2

COMPRESSION COUPLING

PIPES WITH DIFFERENT MATERIAL TYPES
PIPES WITH DIFFERENT OUTSIDE DIAMETERS

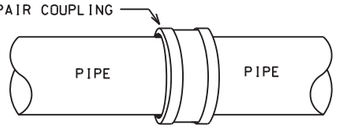


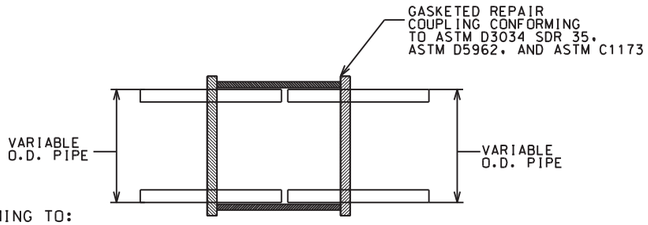


ALL REPAIRS INVOLVING PIPE CONNECTIONS 8" IN DIAMETER TO 8" IN DIAMETER OR LARGER SHALL UTILIZE THE FERNCO RC STRONGBACK OR EQUIVALENT REPAIR COUPLING. (ASTM C1173).

GASKETED REPAIR COUPLING

PVC TO PVC CONNECTION





COMPRESSION COUPLING, CONFORMING TO:

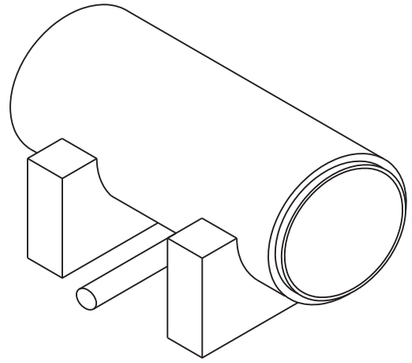
ASTM C-425 ALL PIPES REPAIR CONNECTIONS INVOLVING PIPE SMALLER THAN 8" IN DIAMETER.

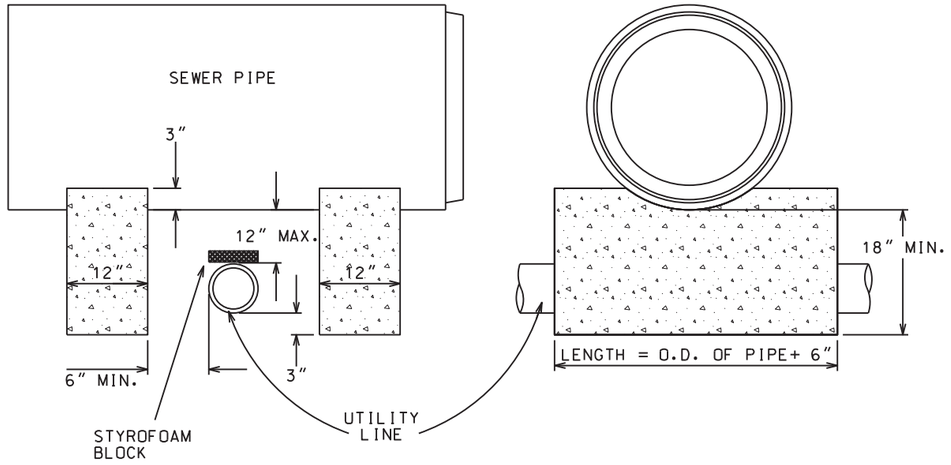
ASTM C-1173 ALL PIPE REPAIR CONNECTIONS INVOLVING PIPE GREATER THAN OR EQUAL TO 8" IN DIAMETER TO PIPES GREATER OR THAN EQUAL TO 8" IN DIAMETER

COUPLING DETAILS

SCALE: NONE

(CITY OF MADISON S.D.D. 5.3.3)





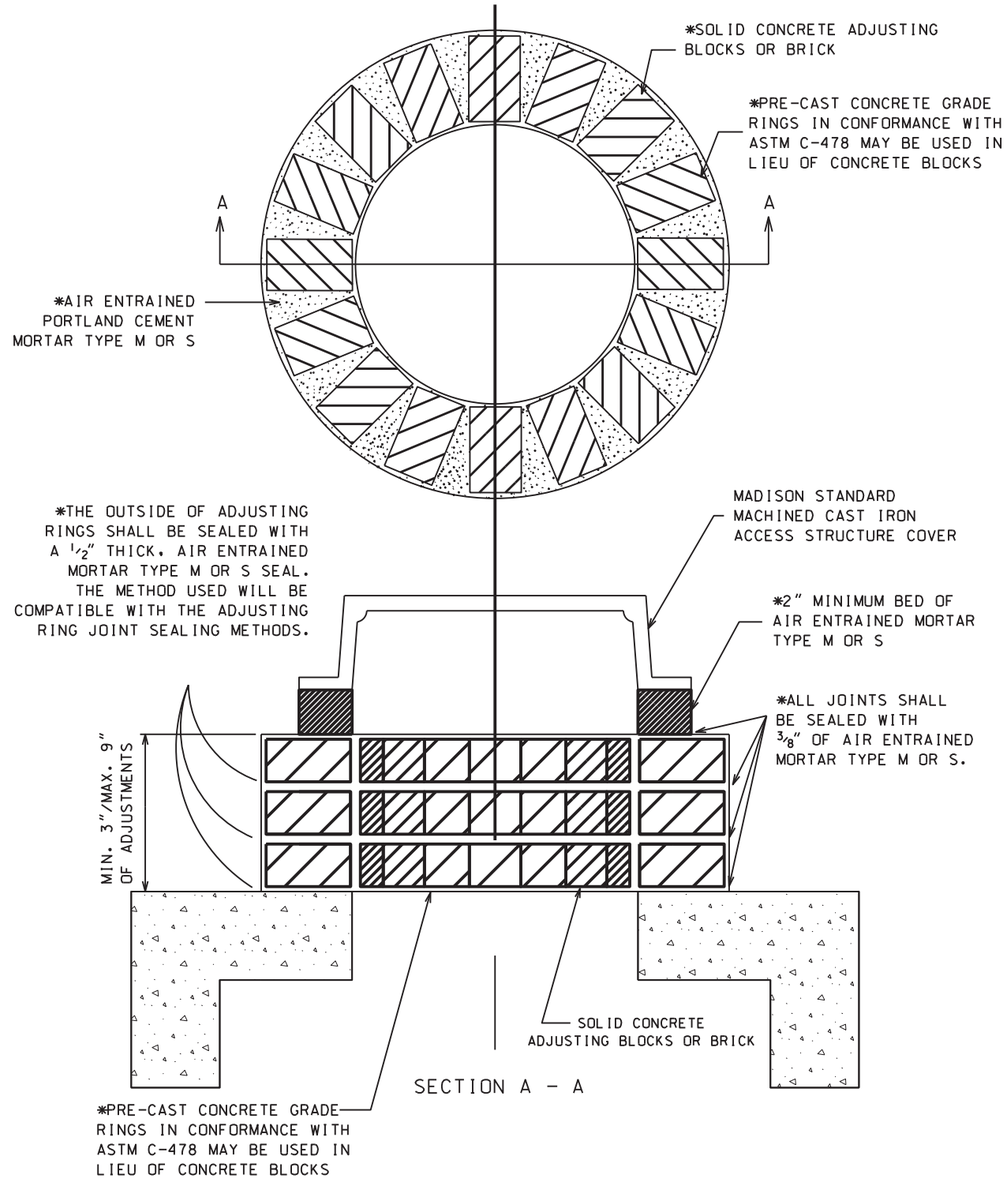
NOTE:

FIELD POURED. CONCRETE PIPE SUPPORTS SHALL BE INSTALLED FOR SEWERS OVER 10" IN DIAMETER WHEN CLEARANCE BETWEEN BOTTOM OF PIPE & TOP OF UTILITY LINE IS 12" OR LESS.

PIPE SUPPORTS

SCALE: NONE

(CITY OF MADISON S.D.D. 5.8.1)

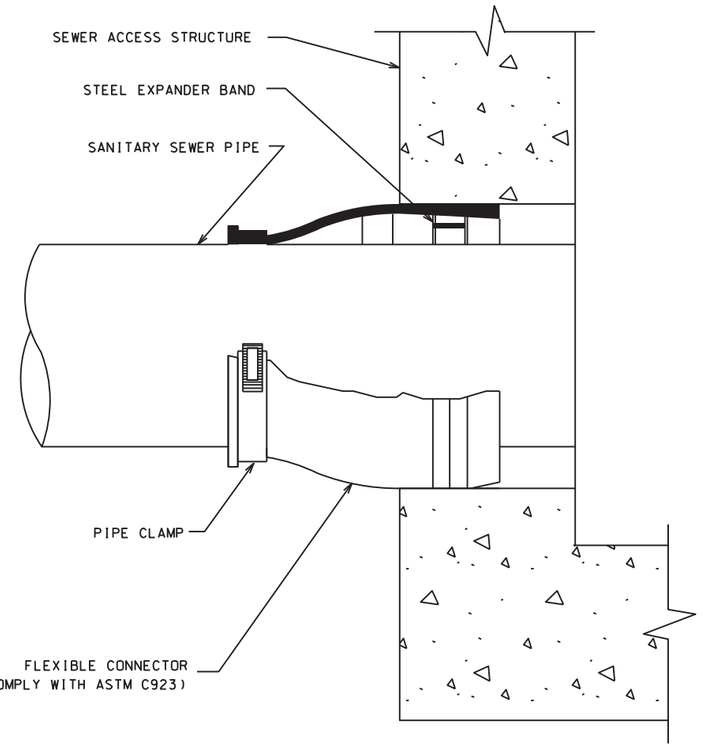


*NOTE: RUBBER ADJUSTMENT RINGS (CRETEX PRO-RING OR APPROVED EQUIV.) INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WILL BE CONSIDERED AN ACCEPTABLE ALTERNATE TO PRECAST RINGS. IF RUBBER ADJUSTMENT RINGS ARE INSTALLED, THERE WILL BE NO NEED OR PAYMENT FOR AN INTERNAL CHIMNEY SEAL (SDD 5.7.17)

S.A.S. CHIMNEY AND CASTING

SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.15)



NOTES:

1. S.A.S. CONNECTIONS FOR SANITARY SEWER MAINS SHALL BE MADE USING FLEXIBLE, WATERTIGHT CONNECTIONS SUCH AS KOR-N-SEAL I OR APPROVED EQUAL, UNLESS DIRECTED OTHERWISE BY ENGINEER.

2. ALL STAINLESS STEEL ELEMENTS OF CONNECTOR SHALL BE TOTALLY NON-MAGNETIC SERIES 304 STAINLESS, EXCLUDING THE WORM SCREW FOR TIGHTENING THE STEEL BAND AROUND THE PIPE WHICH SHALL BE SERIES 305 STAINLESS. THE WORM SCREW FOR TIGHTENING THE STEEL BAND SHALL BE TORQUED BY A BREAK-AWAY TORQUE WRENCH AVAILABLE FOR THE PRECAST S.A.S SUPPLIER AND SET FOR 60 - 70 INCH/LBS.

3. THE CONNECTOR SHALL BE INSTALLED IN THE S.A.S. WALL BY ACTIVATING THE EXPANDING MECHANISM IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE CONNECTOR MANUFACTURER.

4. THE CONNECTOR SHALL BE OF A SIZE SPECIFICALLY DESIGNED FOR THE PIPE MATERIAL AND SIZE BEING UTILIZED ON THE PROJECT.

5. ALL COSTS SHALL BE CONSIDERED INCIDENTAL TO THE S.A.S. AND/OR PIPE. THE ENGINEER RESERVES THE RIGHT TO REQUIRE A "CONCRETE ENCASEMENT" CONNECTION AT NO ADDITIONAL EXPENSE IN THE EVENT OF DESIGN CHANGE.

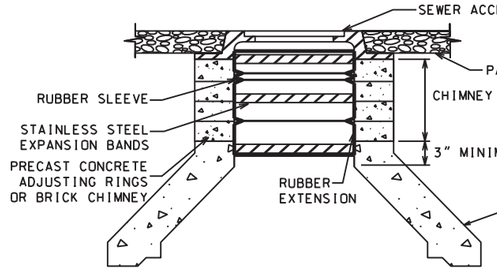
6. FLEXIBLE, WATERTIGHT CONNECTIONS SHALL ALSO BE USED AS REQUIRED FOR STORM SEWER CONNECTIONS.

FLEXIBLE PIPE TO S.A.S. CONNECTOR

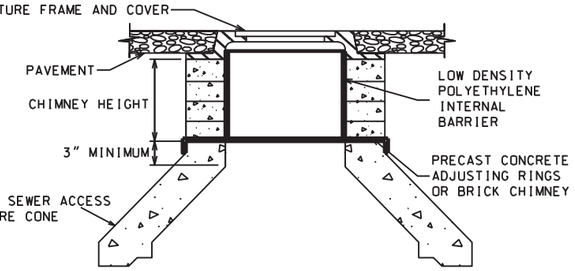
SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.31)

INTERNAL CHIMNEY SEALS SHALL BE USED ON ALL SANITARY SEWER ACCESS STRUCTURES AT THE FOLLOWING LOCATIONS:
1) WITHIN 100' OF A STREET LOW POINT
2) ALL GREENWAYS
3) WHERE SPECIFIED BY THE ENGINEER



FLEXIBLE INTERNAL RUBBER SLEEVE



LOW DENSITY POLYETHYLENE INTERNAL BARRIER

AN INTERNAL CHIMNEY SEAL WHERE NEEDED, SHALL BE INSTALLED TO COVER THE ENTIRE CHIMNEY AREA IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. FRAME SEALS SHALL CONSIST OF ONE OF THE FOLLOWING TYPES OF INTERNAL SEALS:

1) FLEXIBLE INTERNAL RUBBER SLEEVE

A FLEXIBLE INTERNAL RUBBER SLEEVE, INTERLOCKING EXTENSIONS AND STAINLESS STEEL EXPANSION BANDS AS MANUFACTURED BY CRETEX SPECIALTY PRODUCTS OR AN APPROVED EQUAL CONFORMING TO THE FOLLOWING REQUIREMENTS.

THE SEAL SHALL REMAIN FLEXIBLE THROUGHOUT A 25 YEAR DESIGN LIFE, ALLOWING REPEATED VERTICAL MOVEMENT OF THE FRAME OF NOT LESS THAN 2 INCHES AND/OR REPEATED HORIZONTAL MOVEMENTS OF NOT LESS THAN $^{1}/_{2}$ INCH. THE SLEEVE PORTION OF THE SEAL SHALL BE EITHER DOUBLE OR TRIPLE PLEATED WITH A MINIMUM UNEXPANDED VERTICAL HEIGHT OF EITHER 8 INCHES OR 10 INCHES, RESPECTIVELY. THE SLEEVE AND EXTENSION SHALL HAVE A MINIMUM THICKNESS OF $^{3}/_{16}$ INCHES AND SHALL BE MADE FROM A HIGH QUALITY RUBBER COMPOUND CONFORMING TO THE APPLICABLE REQUIREMENTS OF ASTM C-923, WITH A MINIMUM 1500 PSI TENSILE STRENGTH, A MAXIMUM 18% COMPRESSION SET AND A HARDNESS (DUROMETER) OF 48 +/- . THE BANDS SHALL BE FABRICATED FROM 16 GAUGE STAINLESS STEEL CONFORMING TO ASTM A-240, TYPE 304 AND SHALL HAVE A MINIMUM ADJUSTMENT RANGE OF 2 DIAMETER INCHES AND A POSITIVE LOCKING MECHANISM. ANY SCREWS, BOLTS OR NUTS USED FOR THIS MECHANISM SHALL BE STAINLESS STEEL CONFORMING TO ASTM F-593 AND 594, TYPE 304.

2) LOW DENISTY POLYETHYLENE INTERNAL BARRIER

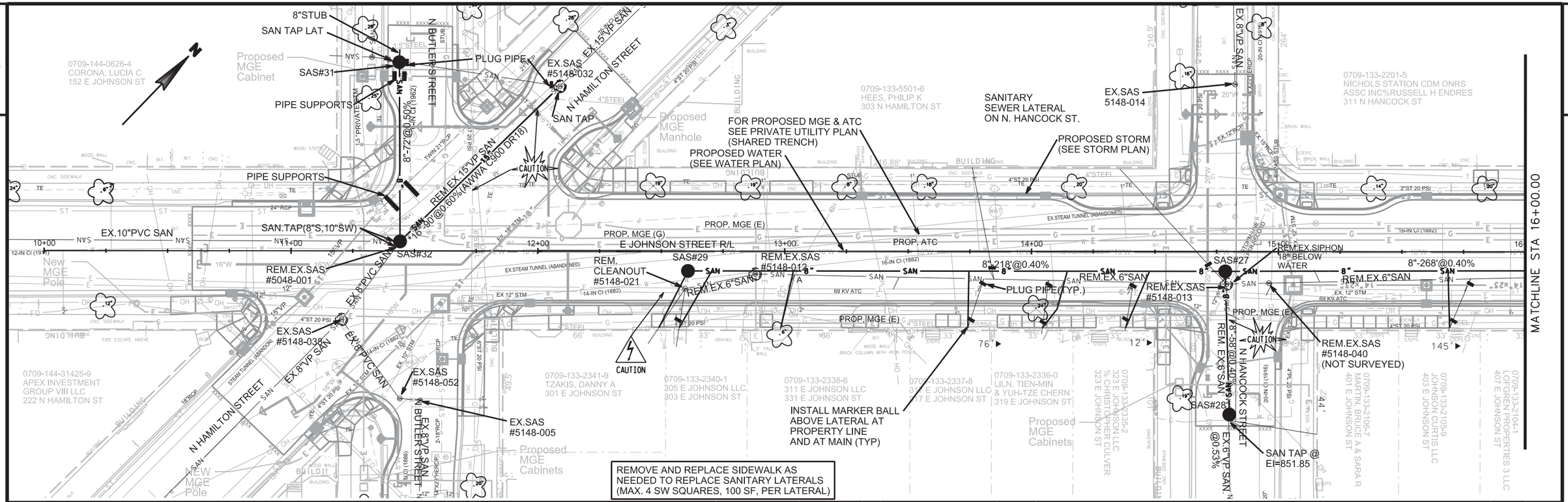
A LOW DENSITY POLYETHYLENE INTERNAL BARRIER SHALL MAINTAIN THEIR ADHESION ALLOWING REPEATED HORIZONTAL MOVEMENT OF NOT LESS THAN 1 INCH. THE BARRIER SHALL HAVE A MINIMUM THICKNESS OF $^{1}/_{4}$ INCH AND CONFORM TO THE REQUIREMENTS OF THE FOLLOWING STANDARDS:
ASTM D 790/1505, D 1238, D 638, D 790, D 648 AND D 1693.

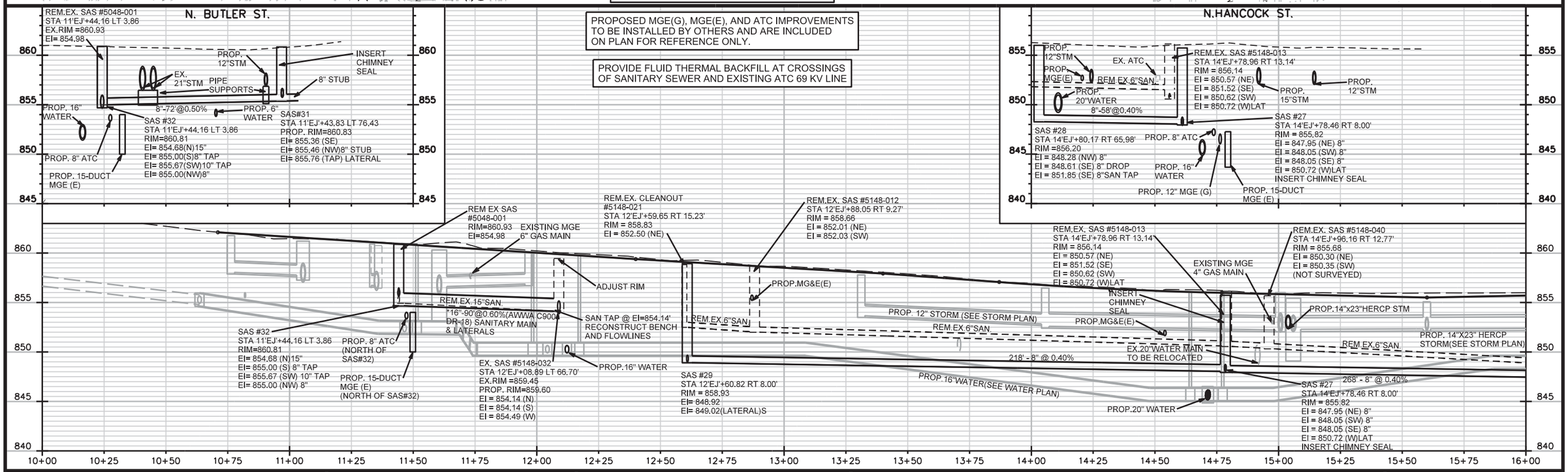
SANITARY SEWER INTERNAL CHIMNEY SEAL

SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.17)

2





PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET 98 E

2

MATCHLINE STA 16+00.00

MATCHLINE STA 22+00.00

0709-133-2201-5
NICHOLS STATION CDM ONRS
ASSC INC%RUSSELL H ENDRES
311 N HANCOCK ST

0709-133-1310-5
FOURTH LAKE III LLC
303 N FRANKLIN ST

0709-133-1311-3
COLEMAN, JUDITH A
506 E JOHNSON ST

0709-133-1312-1
PASDO, JEROME A
512 E JOHNSON ST

0709-133-1313-9
YEUNG, SONG Q
FAN JIANG
514 E JOHNSON ST

0709-133-1314-7
518 E JOHNSON LLC
518 E JOHNSON ST

0709-133-1315-5
FISHER, CLIFFORD D
520 E JOHNSON ST

0709-133-1136-5
CITY ROW APARTMENTS LLC
602 E JOHNSON ST

0709-133-1015-1
NEUMANN, JANE L
% OAKLAND PROP SVCS INC
601 E JOHNSON ST

0709-133-1014-3
FORRAND, RANDY L
605 E JOHNSON ST

0709-133-1416-1
SEITZ TRUST, ROSE M
% RICHARD SEITZ
153 N FRANKLIN ST

0709-133-1415-3
SCHEIB INVESTMENT CORP
517 E JOHNSON ST

0709-133-1414-5
TIEDEMAN, CHRISTOPHER E
515 E JOHNSON ST

0709-133-1413-7
INFUSINO, GIOVANNI A
517 E JOHNSON ST

0709-133-1412-9
PORCHLIGHT INC
519 E JOHNSON ST

0709-133-2104-1
LOFGREN PROPERTIES 3 LLC
407 E JOHNSON ST

0709-133-2103-3
LOFGREN PROPERTIES 3 LLC
409 E JOHNSON ST

0709-133-2101-7
LOFGREN PROPERTIES 3 LLC
415 E JOHNSON ST

0709-133-2102-5
LOFGREN PROPERTIES 3 LLC
411 E JOHNSON ST

PROPOSED STORM
(SEE STORM PLAN)

Proposed.
MGE
Manhole

EX.18"PVC SAN

EX.STM

THIS SERVICE
ABANDONED

FOR PROPOSED MGE & ATC
SEE PRIVATE UTILITY PLAN
(SHARED TRENCH)

INSTALL MARKER BALL
ABOVE LATERAL AT
PROPERTY LINE
AND AT MAIN (TYP)

PROPOSED WATER
(SEE WATER PLAN)

SAN TAP @
EI=848.44

EX.6"VP SAN
@2.10%

NEW
MGE
Pole

TRAFFIC MH
TO BE REMOVED

Proposed
MGE
Cabinets

SAS#25

REM.EX.6"SAN
@2.44%

Proposed
MGE
Manhole

EX.8" PVC SAN

EX. 8" PVC SAN
TO REMAIN

WATER SHOWN PER RECORD

PROP. MGE (E)

PROP. MGE (G)

PROP. MGE (E)

PROP. MGE (G)

PROP. ATC

E JOHNSON STREET R/L

17+00

18+00

19+00

20+00

21+00

8"-268'@0.40%

8"-233'@0.40%

10"-372'@0.28%

REM.EX.6"SAN

REM.EX.SAS
#5147-040

REM.EX.SAS
#5147-011

REM.EX.SAS
#5147-012

SAS#26

SAS#24

EX.12"VP

69 KV ATC

4"ST 20 PSI

2"ST 20 PSI

12-IN CI (1920)

4-IN CI (1886)

12-IN CI (1882)

8-IN CI (1882)

8-IN CI (2010)

Proposed
MGE Handhole

CAUTION

LATERAL LOCATED
(TYP.)

PLUG PIPE(TYP.)

ABAN. EX.8"SAN

N FRANKLIN STREET

N BLAIR STREET

UTILITY TRENCH
PATCH TYPE III

SAS#30

REMOVE AND REPLACE SIDEWALK AS
NEEDED TO REPLACE SANITARY LATERALS
(MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS
TO BE INSTALLED BY OTHERS AND ARE INCLUDED
ON PLAN FOR REFERENCE ONLY.

PROVIDE FLUID THERMAL BACKFILL AT CROSSINGS
OF SANITARY SEWER AND EXISTING ATC 69 KV LINE

875
870
865
860
855
850
845
840
835

16+00 16+25 16+50 16+75 17+00 17+25 17+50 17+75 18+00 18+25 18+50 18+75 19+00 19+25 19+50 19+75 20+00 20+25 20+50 20+75 21+00 21+25 21+50 21+75 22+00

EXISTING MGE
10 DUCT PACKAGE

ADJUST RIM

PROP. 14"X23" STORM (SEE STM PLAN)

PROP.15"STM

REM.EX.6"SAN

268' - 8" @ 0.40%

PROP.12" WATER(SEE WATER PLAN)

PROP.8"WATER

EX.8"WATER
TO BE RELOCATED

EX. SAS 5147-040 TO REMAIN
STA 17'EJ'+46.39 RT 7.38'
EX. RIM = 855.75
PROP. RIM= 855.44
EI = 846.15 (SE)18"
EI = 846.18 (NW)18"
EI = 846.88 (SW)8"TAP
RECONSTRUCT BENCH &FLOWLINES

REM.EX. SAS #5147-011
STA 18'EJ'+48.00 RT 8.17'
RIM = 855.07
EI = 848.35

SAS #26
STA 18'EJ'+45.00 RT 8.00'
RIM = 854.86
EI = 845.32

REM.EX.6"SAN

EX.10"WATER
(TO BE RELOCATED)

PROP.12"STM

PROP. 18" STORM (SEE STORM PLAN)

233' - 8" @ 0.40%

REM.EX. SAN #5147-012
STA 20'EJ'+78.00 RT 6.72'
RIM = 853.03
EI = 847.08 (SE) 8"
EI = 847.10 (SW) 6"
EI = 847.10 (NW) 6"
EI=847.21 (N)8"PVC LAT
EI = 847.11 (NE) 6"

PROP.10"WATER

PROP.MGE(E)

SAS #24
STA 20'EJ'+78.01 RT 7.00'
RIM = 852.89
EI = 844.29 (NE) 10"
EI = 844.39 (SW) 8"
EI = 844.39 (NW) 8"
SAN TAP 8" LATERAL NORTH
INSERT CHIMNEY SEAL

PROP.15"STM

PROP. 36" STORM
(SEE STORM PLAN)

PROP.15"STM

REM.EX.8"SAN.

PROP.12" WATER(SEE WATER PLAN)

372' - 10" @ 0.28%

REM.EX. SAN #5147-012
STA 20'EJ'+78.00 RT 6.72'
RIM = 853.03
EI = 847.08 (SE) 8"
EI = 847.10 (SW) 6"
EI = 847.10 (NW) 6"
EI=847.21 (N)8"PVC LAT
EI = 847.11 (NE) 6"

N.BLAIR ST.

PROP. 10"
WATER

SAN.TAP
@ EI = 848.44'

EX 6" SAN@2.10%

PROP.
18" STM

PROP.
12" STM

PROP.
12" STM

PIPE PLUG

PIPE PLUG

REM.EX.6"SAN

8"-71'@2.44%

EX. 8" VP SAN
TO REMAIN

ABAN. EX. 8" VP SAN

SAS #30
STA 20'EJ'+80.96 RT 89.56'
RIM = 851.64
EI = 846.79

SAS #24
STA 20'EJ'+78.02 RT 7.00'
RIM = 852.89
EI = 844.29 (NE) 10"
EI = 844.39 (SW) 8"
EI = 844.39 (NW) 8"

PROP. 12"
WATER

PROP. 8" ATC

PROP. 12" MGE (G)

PROP. 15-DUCT
MGE (E)

SAS #25
STA 20'EJ'+75.74 LT 63.66'
RIM = 855.01
EI = 846.12 (FULL INVERT WIDTH)

855
850
845
840

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Sanitary\Design\53W0740SAN-PnP""2.dgn
PLOT DATE : 11/22/2013
PLOT BY : enmdm
PLOT NAME :
PLOT SCALE : 39.9999 sf / in.
WISDOT/CADDS SHEET 40

2

MATCHLINE STA 22+00.00

MATCHLINE STA 28+00.00

0709-133-1136-5
CITY ROW APARTMENTS LLC
602 E JOHNSON ST

0709-133-1128-2
APEX 637 LLC
640 E JOHNSON ST

0709-133-1129-0
644 E JOHNSON LLC
644 E JOHNSON ST

0709-133-1130-7
RAUPP, GREGG
648 E JOHNSON ST

0709-133-1131-5
DC HOUSING LLC
650 E JOHNSON ST

0709-133-1132-3
PETERSON, RAY A
654 E JOHNSON ST

0709-132-1413-9
VICTORIAN HILL OWNERS ASC
%CREATIVE RE SERVICES INC
706 E JOHNSON ST

EX.8" PVC SAN

EX.8" PVC SAN

362.98'

NO RECORD

PROPOSED WATER
(SEE WATER PLAN)

INSTALL MARKER BALL
ABOVE LATERAL AT
PROPERTY LINE
AND AT MAIN (TYP)

FOR PROPOSED MGE & ATC
SEE PRIVATE UTILITY PLAN
(SHARED TRENCH)

SAN TAP @
EI=853.01'(NW)
INCIDENTAL TO
OUTSIDE DROP

EX.8"VP.SAN @ 6.28%

SAS#22

8"-56'@8.18%

REM.EX.SAS
#5147-013

E JOHNSON STREET R/L

SAS#23

REM.EX.8"SAN

10"-372'@0.28%

10"-288'@0.28%

REM.EX.SAS
#5147-001

SAS#21 10"-312'@0.28%

PROP. MGE (E)
PROP. MGE (G)
PROP. ATC

69 KV ATC

EX.12"VP

EX.18"RCP

PROPOSED STORM
(SEE STORM PLAN)

PLUG PIPE(TYP.)

INSTALL MARKER BALL
ABOVE LATERAL AT
PROPERTY LINE
AND AT MAIN (TYP)

N BLOUNT STREET

EX.SAS
#5147-029

0709-133-1013-5
STEINDL LIV TR, JAMES M
611 E JOHNSON ST

0709-133-1010-1
PETERSON, DOUGLAS M
619 E JOHNSON ST

0709-133-1003-8
CHANDLER 643-645 LLC
%CHT APARTMENT RENTALS
645 E JOHNSON ST

0709-133-1001-0
CHANDLER 651 LLC
%CHT APARTMENT RENTALS
651 E JOHNSON ST

0709-133-1002-8
CHANDLER 649 LLC
%CHT APARTMENT RENTALS
649 E JOHNSON ST

0709-132-1314-9
KLARIBOU LLC
701 E JOHNSON ST

REMOVE AND REPLACE SIDEWALK AS
NEEDED TO REPLACE SANITARY LATERALS
(MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS
TO BE INSTALLED BY OTHERS AND ARE INCLUDED
ON PLAN FOR REFERENCE ONLY.

PROVIDE FLUID THERMAL BACKFILL AT CROSSINGS
OF SANITARY SEWER AND EXISTING ATC 69 KV LINE

REM.EX. SAN #5147-001
STA 27'EJ'+38.23 RT 5.90'
RIM = 854.60
EI = 849.20 (SW) 8"
EI = 849.48 (W) 8"
EI = 849.87 (NW) 8"

BLOUNT ST.

PROP. 15-DUCT
MGE (E)

EX. MGE
2" GAS

EX.6"@SAN 6.28%

PROP. 8" ATC

PROP. 12" MGE (G)

SAN TAP
@ EI = 853.01
INCIDENTAL
TO OUTSIDE DROP

PROP.
36"STM

PROP.
15"STM

8"-56'@8.18%

SAS #21
STA 27'EJ'+38.23 RT 6.00'
RIM = 854.38
EI = 842.34 (NE) 10"
EI = 842.39 (SW) 10"
EI = 842.44 (NW) 8"

PROP. 12"
WATER

SAS #22
STA 27'EJ'+38.27 LT 49.94'
RIM = 855.91
EI = 853.01 (NW) 8"OUTSIDE DROP
EI = 847.35 (NW) 8" OUTSIDE DROP
EI = 847.02 (SE) 8"

REM.EX. SAN #5147-013
STA 24'EJ'+10.46 RT 6.43'
RIM = 854.01
EI = 848.23 (NE) 8"
EI = 848.21 (SW) 8"

PROP.15"STM

INSERT
CHIMNEY
SEAL

PROP.12"STM

PROP. 36"STORM
(SEE STORM PLAN)

REM.EX.8"SAN.

PROP.12"WATER (SEE WATER PLAN)

372' - 10" @ 0.28%

288' - 10" @ 0.28%

312' - 10" @ 0.28%

SAS #23
STA 24'EJ'+50.00 RT 6.00'
RIM = 853.76
EI = 843.20 (NE) 10"
EI = 843.25 (SW) 10"

EXISTING MGE
12 DUCT PACKAGE
(TO BE RELOCATED)

EXISTING MGE
12" GAS MAIN

PROP.
MGE(E)

PROP.18"STM

REM.EX. SAN #5147-001
STA 27'EJ'+38.23 RT 5.90'
RIM = 854.60
EI = 849.20 (SW) 8"
EI = 849.48 (W) 8"
EI = 849.87 (NW) 8"

SAS #21
STA 27'EJ'+38.23 RT 6.00'
RIM = 854.38
EI = 842.34 (NE) 10"
EI = 842.39 (SW) 10"
EI = 842.44 (NW) 8"

PROP.8"
WATER

875 870 865 860 855 850 845 840 835

22+00 22+25 22+50 22+75 23+00 23+25 23+50 23+75 24+00 24+25 24+50 24+75 25+00 25+25 25+50 25+75 26+00 26+25 26+50 26+75 27+00 27+25 27+50 27+75 28+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET 100	E

2

MATCHLINE STA 28+00.00

MATCHLINE STA 34+00.00

0709-132-1413-9 VICTORIAN HILL OWNERS ASC %CREATIVE CARE SERVICES INC 706 E JOHNSON ST

0709-132-1414-7 SILVER PLUME PROPERTIES LLC 708 E JOHNSON ST

0709-132-1415-5 SILVER PLUME PROPERTIES LLC 710 E JOHNSON ST

0709-132-1416-3 DEGEN LLC 714 E JOHNSON ST

0709-132-1417-1 KLUND, KELLY T 718 E JOHNSON ST

0709-132-1418-9 LUM, LYNN ANN & MAN YEE & ELEANOR LUM 720 E JOHNSON ST

0709-132-1419-7 LUM, LYNN ANN & MAN YEE & ELEANOR LUM 722 E JOHNSON ST

0709-132-1420-4 BALLWEG, RICHARD & JUDITH 728 E JOHNSON ST

0709-132-1421-2 VS OF MADISON LLP % WILLIAM E STANGER 730 E JOHNSON ST

0709-132-1422-0 JOHNSON, MITCH & LEAH JOHNSON 732 E JOHNSON ST

0709-132-1423-8 HEIDEN, REBECCA C/O OAKLAND PROPERTIES 736 E JOHNSON ST

0709-132-1424-6 PETERSON, RAY A 738 E JOHNSON ST

0709-132-1425-4 SUTER, JOHN M & STEVEN R 742 E JOHNSON ST

0709-132-1426-2 GUGGER, JACK E 744 E JOHNSON ST

0709-132-1427-0 NORMANDY PARTNERS LLC 302 N LIVINGSTON ST

0709-132-1301-6 RCJ ENTERPRISES LLC 751 E JOHNSON ST

0709-132-1302-4 BETHEL OUTREACH INC 745 E JOHNSON ST

0709-132-1303-2 HASSELHOF, GERT SOEHNKE HASSELHOF 743 E JOHNSON ST

0709-132-1304-0 RZENTKOWSKI, LEE A 739 E JOHNSON ST

0709-132-1305-8 KI-II LLC 737 E JOHNSON ST

0709-132-1306-6 KRUGER, DENNIS R & EVELYN 733 E JOHNSON ST

0709-132-1307-4 GRADY, MICHAEL J & LYNN M 731 E JOHNSON ST

0709-132-1308-2 APEX 727 LLC 727 E JOHNSON ST

0709-132-1309-0 GRADY, MICHAEL J & LYNN M 725 E JOHNSON ST

0709-132-1411-5 GRADY, MICHAEL J & LYNN M 717 E JOHNSON ST

0709-132-1417-1 GRADY, MICHAEL J & LYNN M 719 E JOHNSON ST

0709-132-1412-3 711/713 E JOHNSON LLC 711 E JOHNSON ST

0709-132-1313-1 707/709 E JOHNSON LLC 707 E JOHNSON ST

0709-132-1314-9 KLARIBOU LLC 701 E JOHNSON ST

PROPERTY OWNER INTERESTED IN REPLACING ENTIRE LATERAL MITCH@WISC.EDU

PROPOSED WATER (SEE WATER PLAN)

FOR PROPOSED MGE & ATC SEE PRIVATE UTILITY PLAN (SHARED TRENCH)

INSTALL MARKER BALL ABOVE LATERAL AT PROPERTY LINE AND AT MAIN (TYP)

6"PVC LATERAL

6"PVC LATERAL

N LIVINGSTON STREET

Proposed MGE Manhole

E JOHNSON STREET R/W

REM.EX.SAS #5147-022

REM.EX.SAS #5246-018

SAS#20

REM.EX.6"SAN

REM.EX.6"SAN

REM.EX.6"SAN

10"-312'@0.28%

10"-363'@0.28%

PROP. MGE (E)

PROP. MGE (G)

PROP. ATC

PROP. ATC

PLUG PIPE(TYP.)

PROPOSED STORM (SEE STORM PLAN)

LATERAL LOCATED(TYP.)

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE SANITARY LATERALS (MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS TO BE INSTALLED BY OTHERS AND ARE INCLUDED ON PLAN FOR REFERENCE ONLY.

PROVIDE FLUID THERMAL BACKFILL AT CROSSINGS OF SANITARY SEWER AND EXISTING ATC 69 KV LINE

REM.EX, SAN #5147-022
STA 28'EJ'+38.92 RT 7.11'
RIM = 854.21
EI = 848.53 (NE) 6"

REM.EX. SAN #5246-018
STA 31'EJ'+05.91 RT 8.43'
RIM = 852.27
EI = 846.52 (NE) 6"
EI = 846.49 (SW) 6"
EI = 847.09 (NW) 6"

PROP.MG&E (E)

PROP.12"STM

REM.EX.6"SAN

PROP. 48" STORM (SEE STORM PLAN)

PROP.12"WATER(SEE WATER PLAN)

312' - 10" @ 0.28%

SAS #20
STA 30'EJ'+50.00 RT 6.00'
RIM = 852.47
EI = 841.42 (NE) 10"
EI = 841.47 (SW) 10"

REM.EX.6"SAN.

PROP. MG&E(E)

PROP.15"STM

PROP. 18"STM

PROP.12"WATER(SEE WATER PLAN)

363' - 10" @ 0.28%

PROP. 8" ATC

PROP. 12" MGE (E)

PROP. 15-DUCT MGE (G)

875 870 865 860 855 850 845 840 835

28+00 28+25 28+50 28+75 29+00 29+25 29+50 29+75 30+00 30+25 30+50 30+75 31+00 31+25 31+50 31+75 32+00 32+25 32+50 32+75 33+00 33+25 33+50 33+75 34+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Sanitary\Design\53W0740SAN-PnP""4.dgn PLOT DATE : 11/25/2013 PLOT BY : enmdm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 40

2

MATCHLINE STA 34+00.00

MATCHLINE STA 40+00.00

N. LIVINGSTON STREET

EX.8"PVC SAN@1.32%

6" PVC LAT

EX.15"PVC SAN

0709-132-0921-3
RETZLAFF, DANIEL J
301 N LIVINGSTON ST

SAN TAP @
EI=844.56

SAS#2

REM.EX.8"SAN.

8"-30'@8.70%

EX.SAS#L5(5'DIA.)

REM.EX.SAS
#5246-026

PROPOSED SANITARY(2013)
SEE CITY PLAN #53W1462

EX.15"-322'@0.15%

0709-132-1001-2
SCHUETT, NICHOLAS D
223 N LIVINGSTON ST

0709-132-1002-0
ORTON PARK LLC
221 N LIVINGSTON ST

INSTALL MARKER BALL
ABOVE LATERAL AT
PROPERTY LINE
AND AT MAIN (TYP)

FOR PROPOSED MGE
SEE PRIVATE UTILITY PLAN

PROP. MGE

PROP. ELEC

10"-312'@0.28%

REM.EX 10"SAN.

PLUG PIPE(TYP.)

CAUTION

LATERAL LOCATED(TYP.)

E JOHNSON STREET R/L

SAS#3

REM.EX.SAS
#5246-012

PROPOSED STORM
(SEE STORM PLAN)

PROPOSED WATER
(SEE WATER PLAN)

PROP. MGE

REM.EX.8"SAN.

10"-335'@0.28%

REMOVE AND REPLACE SIDEWALK AS
NEEDED TO REPLACE SANITARY LATERALS
(MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

0709-132-0922-1
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
808 E JOHNSON ST

0709-132-0923-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
812 E JOHNSON ST

0709-132-0924-7
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
814 E JOHNSON ST

0709-132-0925-5
FERNANDEZ, CAROLINA
816 E JOHNSON ST

0709-132-0926-3
BLABAUM, GENE
820 E JOHNSON ST

0709-132-0927-1
L-H APARTMENTS LLC
822 E JOHNSON ST

0709-132-0928-9
KNOKE PROPERTIES LLC
824 E JOHNSON ST

0709-132-0929-7
NAGA WICKA PARTNERS LLC
% OAKLAND PROP SVCS INC
828 E JOHNSON ST

0709-132-0930-4
DAVEY ET AL, BRUCE M
832 E JOHNSON ST

0709-132-0931-2
DAVEY, BRUCE M
& KATHLEEN SITTER
836 E JOHNSON ST

0709-132-0932-0
RIPPLE, THOMAS D
838 E JOHNSON ST

0709-132-0933-8
RIPPLE, THOMAS D
842 E JOHNSON ST

0709-132-0934-6
MARSHALL, EILEEN M
& KIM WEDEMEIER ET AL
844 E JOHNSON ST

0709-132-0935-4
MARSHALL, EILEEN M
& KIM WEDEMEIER ET AL
846 E JOHNSON ST

0709-132-0936-2
852 LLC
852 E JOHNSON ST

0709-132-1037-7
JOHNSON INVESTMENTS OF
MADISON LLC
807 E JOHNSON ST

0709-132-1036-9
815 E JOHNSON ST LLC
% MADISON PROPERTY MNGMT
815 E JOHNSON ST

0709-132-1035-1
VAN ROOY, CARL
& R ENDRES % WI MGMT CO
817 E JOHNSON ST

0709-132-1034-3
LYBARGER, CATHERINE A
819 E JOHNSON ST

0709-132-1033-5
VAN ROOY, CARL J & JANET
% WI MANAGEMENT CO INC
821 E JOHNSON ST

0709-132-1032-7
ENDRES LIVING TRUST
% RUSS ENDRES
825 E JOHNSON ST

0709-132-1031-9
NELSON LIV TR, NELS W
827 E JOHNSON ST

0709-132-1038-5
KASKI PROPERTIES LLC
831 E JOHNSON ST

0709-132-1030-1
KNOEBEL, THOMAS R
835 E JOHNSON ST

0709-132-1029-7
BECKER, RICHARD A
837 E JOHNSON ST

0709-132-1028-9
ANDREASEN, SCOTT C
& V CHERYL ANDREASEN
841 E JOHNSON ST

0709-132-1027-8
CASA GIANFRANCO LLC
843 E JOHNSON ST

0709-132-1026-0
KAESER, ERNEST & CLAIRE
& CONSTRANCE KAESER
847 E JOHNSON ST

0709-132-1025-2
KAESER ENTERPRISES OF
MADISON, INC
851 E JOHNSON ST

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS
TO BE INSTALLED BY OTHERS AND ARE INCLUDED
ON PLAN FOR REFERENCE ONLY.

REM.EX. SAN #5246-026
STA 34'EJ'+04.76 LT 1.80'
RIM = 850.48
EI = 844.24 (SE) 8"
EL= 844.28 (NW) 8"

N. LIVINGSTON ST.

PROP. MGE(E)

EXISTING MGE
2" GAS MAIN

ADJ.RIM

REM.EX.SAN.

EX.8"PVC@1.32%

PROP.
36"STM

8"-30'@8.70%

SAN.TAP
@841.00(NW)

SAS #2
STA 34'EJ'+04.67 LT 22.85
RIM = 850.10
EI = 843.61 (SE)8"
EI = 844.56 (NW)8" TAP

EX,SAS#L5(5' DIA)
STA 34'EJ'+13.23 RT 6.00'
EX.RIM = 850.12
PROP. RIM=850.21
EI = 840.30 (SE) 15"
EI = 840.40 (NE) 10"
EI = 840.40 (SW) 10"
EI = 841.00 (NW) 8" (TAP)

PROP. 12"
WATER

REMOVE INSIDE DROP (NE) (SW)
RECONSTRUCT BENCH AND FLOWLINE

EX.15"PVC SAN.

REM.EX. SAN #5246-026
STA 34'EJ'+04.76 LT 1.80'
RIM = 850.48
EI = 844.24 (SE) 8"
EI = 844.34 (SW) 8"(STUB)
EI = 844.28 (NW) 8"
EI = 844.34 (NE) 8"STUB

EX,SAS#L5(5' DIA.)
STA 34'EJ'+13.23 RT 6.00'
EX.RIM = 850.12
PROP.RIM=850.21
EI = 840.30 (SE) 15"
EI = 840.40 (NE) 10"
EI = 840.40 (SW) 10"
EI = 841.00 (NW) 8" (TAP)
ADJ.RIM INSERT CHIMNEY SEAL

PROP.12"STM

PROP. MGE (E)

REM.EX 10"SAN.

PROP. 36" STORM (SEE STORM PLAN)

PROP.12" WATER(SEE WATER PLAN)

312' - 10" @ 0.28%

REMOVE INSIDE DROP (NE) (SW)
RECONSTRUCT BENCH AND FLOWLINE
SAN.TAP@841.00(NW)8"

10"-363'@0.28%

REM.EX. SAN #5246-012
STA 37'EJ'+31.72 RT 8.26'
RIM = 850.76
EI = 845.26 (SW) 8"
EI = 845.28 (NE) 8"

PROP.12"STM

PROP.12"STM

PROP.12"STM

REM.EX.8"SAN.

PROP.12"STM

PROP.12" WATER(SEE WATER PLAN)

335' - 10" @ 0.28%

SAS #3
STA 37'EJ'+25.00 RT 6.00'
RIM = 849.81
EI = 841.27 (SW)
EI = 841.32 (NE)
INSERT CHIMNEY SEAL

34+00 34+25 34+50 34+75 35+00 35+25 35+50 35+75 36+00 36+25 36+50 36+75 37+00 37+25 37+50 37+75 38+00 38+25 38+50 38+75 39+00 39+25 39+50 39+75 40+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY PLAN & PROFILE	SHEET E

FILE NAME : M:\DESIGN\Projects\53W0740\Sanitary\Design\53W0740SAN-PnP""5.dgn PLOT DATE : 11/22/2013 PLOT BY : enmdm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 40

2

MATCHLINE STA 40+00.00

MATCHLINE STA 46+00.00

N

0709-132-0936-2 902 E JOHNSON ST LLC

0709-132-0405-7 WRIGHT, JOHN S & NHOR, SHIRLEY S 906 E JOHNSON ST

0709-132-0406-5 WRIGHT, JOHN S 908 E JOHNSON ST

0709-132-0407-3 WRIGHT, JOHN S 910 E JOHNSON ST

0709-132-0411-4 WRIGHT, JOHN S 302 NORRIS CT

0709-132-0409-9 WRIGHT, JOHN S 306 NORRIS CT

0709-132-0410-6 WRIGHT, JOHN S 305 NORRIS CT

0709-132-0411-4 WRIGHT, JOHN S 301 NORRIS CT

0709-132-0412-2 SCHIEVE, AUDRIC N 938 E JOHNSON ST

0709-132-0413-0 UNAL, ORHAN & CIGDEM UNAL 940 E JOHNSON ST

0709-132-0414-8 KUENZI, SCOTT A & CYNTHIA M KUENZI 946 E JOHNSON ST

EX.10"PVC SAN@0.27%

EX.12" STM

EX.15"RCP STM

2"ST 20 PSI

FOR PROPOSED MGE SEE PRIVATE UTILITY PLAN

INSTALL MARKER BALL ABOVE LATERAL AT PROPERTY LINE AND AT MAIN (TYP)

PROPOSED STORM (SEE STORM PLAN)

PROPOSED WATER (SEE WATER PLAN)

CAUTION

PROP. MGE

12-IN CI (1922)

4-IN CI (1886)

REM.EX.SAS #5246-027 INSTALL COMP.COUPLING

REM.EX.8"SAN

10"-10'@0.27%

SAS#4

REM.EX.SAS #5246-007

E JOHNSON STREET R/L

8"-265'@1.16%

REM.EX.6"SAN

SAS#5

REM.EX.SAS #5246-023

8"-399'@1.04%

REM.EX.6"SAN

4"ST 20 PSI

EX.12" STM

N PATERSON STREET

PLUG PIPE(TYP.)

LATERAL LOCATED(TYP.)

0709-132-1025-2 KAESER ENTERPRISES OF MADISON, INC 851 E JOHNSON ST

0709-132-0936-2 SHMERLER REAL ESTATE CO LLC 901 E JOHNSON ST

0709-132-0536-0 GADAU, JOHN L 903 E JOHNSON ST

0709-132-0535-2 YAN, MAN TUNG & YUN YAN CHEN YAN 907 E JOHNSON ST

0709-132-0534-4 CHICKADEE LLC 911 E JOHNSON ST

0709-132-0533-6 RAITT, DAVID M 915 E JOHNSON ST

0709-132-0532-8 NIERENGARTEN, DR DAVID M 917 E JOHNSON ST

0709-132-0531-0 SCERPELLA, MATTHEW & AMANDA SCERPELLA 919 E JOHNSON ST

0709-132-0530-2 D'AGOSTINO, ELIGIO U 921 E JOHNSON ST

0709-132-0529-5 HEF JOHNSON LLC 925 E JOHNSON ST

0709-132-0528-7 BARRETT, MICHAEL & PAMELA 929 E JOHNSON ST

0709-132-0527-9 VASUDEVAN, GANESH 931 E JOHNSON ST

0709-132-0526-1 REINDERS, THOMAS R 933 E JOHNSON ST

0709-132-0525-3 AIM HI LLC 941 E JOHNSON ST

0709-132-0524-5 NADOLNEY, LEE A 945 E JOHNSON ST

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE SANITARY LATERALS (MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS TO BE INSTALLED BY OTHERS AND ARE INCLUDED ON PLAN FOR REFERENCE ONLY.

N PATERSON St

REM.EX.SAS #5246-007
STA 40'EJ'+60.93 RT 7.63'
RIM = 851.46
EI = 846.48 (SW)8"
EI = 846.56 (NW) 8"
EI = 846.46(NE) 6"
EI = 846.71(SE) 6"

REM.EX.SAS #5246-027
STA 40'EJ'+60.24 LT 3.73'
RIM = 851.51
EI = 846.57(NE)
EI = 846.53(SE)
EI = 846.55(SW)
EI = 846.56(NW)

INSERT CHIMNEY SEAL

PROP. 12"STM

CONNECT TO EX.10"SAN EI=846.56(NW) INSTALL COMPRESS. COUPLING

EX.10"PVC@0.27%

SAS #4
STA 40'EJ'+60.24 RT 6.00'
RIM = 850.92
EI = 842.26 (SW) 10"
EI = 842.36 (NE) 8"
EI = 846.53 (NW) 10" OUTSIDE DROP
EI = 842.59 (NW) 10"

10"-10'@0.27%

PROP. 19"x30" STM

PROP. 12" WATER

REM.EX.SAS #5246-007
STA 40'EJ'+60.93 RT 7.63'
RIM = 851.46
EI = 846.48 (SW)8"
EI = 846.56 (NW) 8"
EI = 846.46(NE) 6"
EI = 846.71(SE) 6"

REM.EX.SAS #5246-027
STA 40'EJ'+60.24 RT 3.73'
RIM = 851.51
EI = 846.57(NE)
EI = 846.53(SE)
EI = 846.55(SW)
EI = 846.56(NW)

INSERT CHIMNEY SEAL

PROP. MGE (E)

REM EX 8"SAN

PROP.18"STM

REM EX 6"SAN

PROP. 21" STORM (SEE STORM PLAN)

335' - 10" @ 0.28%

265' - 8" @ 1.16%

PROP. 6" WATER

PROP. 12" WATER

SAS #4
STA 40'EJ'+60.24 RT 6.00'
RIM = 850.92
EI = 842.26 (SW) 10"
EI = 843.36 (NE) 8"
EI = 846.53 (NW) 10" OUTSIDE DROP
EI = 842.59 (NW) 10"

REM.EX.SAS 5245-023
STA 43'EJ'+89.92 RT 6.48'
RIM= 856.90
EI= 849.20 (SW)
EI= 849.30 (NE)

PROP.12"STM

SAS #5
STA 43'EJ'+25.00 RT 6.00'
RIM = 855.42
EI = 845.44 (SW)
EI = 845.54 (NE)

PROP. MGE(E)

PROP. 21" STORM (SEE STORM PLAN)

PROP.12" WATER(SEE WATER PLAN)

PROP. 6" WATER

REM.EX.6"SAN

399' - 8" @ 1.04%

855 850 845 840 835

875 870 865 860 855 850 845 840 835

40+00 40+25 40+50 40+75 41+00 41+25 41+50 41+75 42+00 42+25 42+50 42+75 43+00 43+25 43+50 43+75 44+00 44+25 44+50 44+75 45+00 45+25 45+50 45+75 46+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Sanitary\Design\53W0740SAN-PnP""6.dgn PLOT DATE : 11/22/2013 PLOT BY : enmdm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

2

MATCHLINE STA 46+00.00

MATCHLINE STA 52+00.00

PROP. MG&E

EX.8"SAN

EX.SAS #5245-028 ADJ. SAS SPECIAL

PROPOSED STORM (SEE STORM PLAN)

PROPOSED WATER (SEE WATER PLAN)

PROP.MG&E(SEE PRVT UTILITY PLAN)

E JOHNSON STREET R/L

8"-399'@1.04%

8"-300'@0.43%

8"-300'@0.40%

SAS#6

SAS#9

SAS#8

REM.EX.6"SAN

REM.EX.SAS #5245-008

REM.EX.SAS #5345-026

REM.EX.SAS #5345-019

PLUG PIPE(TYP.)

INSTALL MARKER BALL ABOVE LATERAL AT PROPERTY LINE AND AT MAIN (TYP)

LATERAL LOCATED(TYP.)

N BREARLY STREET

CAUTION

0709-132-0416-4 RICHGELS, BRYAN C 952 E JOHNSON ST

0709-132-0415-6 PETERSON, RAY A 950 E JOHNSON ST

0709-131-1301-8 VARDA, DUNCAN T & ANTHONY R VARDA 1000 E JOHNSON ST

0709-131-1302-6 BALLMANN, DAVID M 1004 E JOHNSON ST

0709-131-1303-4 ANDERSON, CARL & CAROLE 1010 E JOHNSON ST

0709-131-1304-2 ORTON PARK LLC 1014 E JOHNSON ST

0709-131-1305-0 ORTON PARK LLC 1020 E JOHNSON ST

0709-131-1306-8 CLARY, KENNETH R 1022 E JOHNSON ST

0709-131-1307-6 TILLEY, THOMAS G 1026 E JOHNSON ST

0709-131-1308-4 GOLDBERG ETAL, SIMON B 1028 E JOHNSON ST

0709-131-1309-2 WILSON, BRIAN C & HEATHER K CLIFT 1030 E JOHNSON ST

0709-131-1310-6 BRENNAN, LISA M 1034 E JOHNSON ST

0709-131-1311-7 RICHARDSON, DALE K 1040 E JOHNSON ST

0709-131-1312-5 VAUGHAN, CHARLES T & JENNIFER R VAUGHAN 1042 E JOHNSON ST

0709-132-0523-7 ANB REVOCABLE LIV TRUST 947 E JOHNSON ST

0709-132-0522-9 KEENAN, RYAN C & MARGARET C KEENAN 949 E JOHNSON ST

0709-132-0521-1 STEWART, BLAKE C 953 E JOHNSON ST

0709-131-1431-3 PENDERGAST, THOMAS J 1001 E JOHNSON ST

0709-131-1430-5 PFEFFERLE, JAMES & BOBBI & MICHAEL C PFEFFERLE 1005 E JOHNSON ST

0709-131-1429-8 KRAUSE, DONALD & JOAN 1007 E JOHNSON ST

0709-131-1428-0 KRUSKA TRUST, EUGENE & LUELLA 1009 E JOHNSON ST

0709-131-1427-2 ERICKSON, PAUL M & LINDSAY E RIESE 1015 E JOHNSON ST

0709-131-1426-4 LAVONCHER, JEFFREY L JESSICA B LAVONCHER 1019 E JOHNSON ST

0709-131-1425-6 LAVONCHER, JEFFREY L JESSICA B LAVONCHER 1021 E JOHNSON ST

0709-131-1424-8 ORMAZA MATTHEW & LORI A LASSE 1025 E JOHNSON ST

0709-131-1423-0 LAND, DIAN JEANETTE & CHRISTINA A HOKE 1027 E JOHNSON ST

0709-131-1422-2 103 E JOHNSON ST LLC % MADISON PROPERTY MNGMT 1033 E JOHNSON ST

0709-131-1421-4 KNURR, STEVEN C 1041 E JOHNSON ST

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE SANITARY LATERALS (MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS TO BE INSTALLED BY OTHERS AND ARE INCLUDED ON PLAN FOR REFERENCE ONLY.

EXISTING MGE 4" GAS MAIN

REM.EX.SAS 5245-008
STA 47'EJ'+23.94 RT 8.14'
RIM = 859.06
EI = 851.76 (NW)
EI = 851.51 (SW)
EI = 851.51 (NE)

EXISTING MGE 4" GAS MAIN

INSERT CHIMNEY SEAL

EXISTING ATT WI CABLE LINE

PROP. MGE(E)

PROP.12"STM

EXISTING ATT TRAN & WISDOT FO LINE (6-2" HDPE CONDUITS)

REM.EX.6"SAN

PROP. 15"STORM (SEE STORM PLAN)

PROP. MGE(E)

REM.EX.6"SAN

399' - 8" @ 1.04%

PROP.8"WATER

SAS #6
STA 47'EJ'+23.95 RT 6.48'
RIM = 858.62
EI = 849.70 (SW)
EI = 851.70 (NW) TAP

SAS #9
STA 47'EJ'+85.00 RT 10.00'
RIM = 858.12
EI = 848.38

REM.EX.SAS 5345-026
STA 48'EJ'+87.49 RT 8.59'
RIM = 858.60'
EI = 850.08 (NE)6"
EI = 851.10 (SW)6"
EI = 849.89 (NW)6"

PROP. MGE(E)

PROP.12"WATER(SEE WATER PLAN)

REM.EX.6"SAN

300' - 8" @ 0.43%

REM.EX.SAS 5345-019
STA 50'EJ'+54.19 RT 10.48'
RIM = 857.74'
EI = 848.66 (NE)6"
EI = 848.66 (SW)6"

PROP.6"WATER

PROP.12"WATER(SEE WATER PLAN)

REM.EX.6"SAN

SAS #8
STA 50'EJ'+85.00 RT 10.00'
RIM = 857.04
EI = 846.98(NE)
EI = 847.08(SW)

PROP.12"STM

300' - 8" @ 0.40%

880 875 870 865 860 855 850 845 840

46+00 46+25 46+50 46+75 47+00 47+25 47+50 47+75 48+00 48+25 48+50 48+75 49+00 49+25 49+50 49+75 50+00 50+25 50+50 50+75 51+00 51+25 51+50 51+75 52+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Sanitary\Design\53W0740SAN-PnP**7.dgn PLOT DATE : 11/22/2013 PLOT BY : enmdm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 40

MATCHLINE STA 52+00.00

MATCHLINE STA 58+00.00

0709-131-1312-5
VAUGHAN, CHARLES T
& JENNIFER R VAUGHAN
1042 E JOHNSON ST

0709-131-1313-3
HETZEL, JOSEPH & DIANE
1046 E JOHNSON ST

0709-131-1314-1
KOHLHARDT, RANDALL J
1048 E JOHNSON ST

0709-131-1315-9
HETZEL, JOSEPH & DIANE
1052 E JOHNSON ST

0709-131-1115-3
HETZEL, JOSEPH H
DIANE M HETZEL
1100 E JOHNSON ST

0709-131-1117-9
ISOM, JACQUELINE D
1106 E JOHNSON ST

0709-131-1118-7
GOLDTR, BRADLEY & TRACI
1108 E JOHNSON ST

0709-131-1119-5
HAEGER, RONALD E
1114 E JOHNSON ST

0709-131-1120-2
BROK INVESTMENTS I LLC
1116 E JOHNSON ST

0709-131-1121-0
DERR, MICHAEL J
1132 E JOHNSON ST

0709-131-1122-8
MEINKE, CALEB A
1134 E JOHNSON ST

0709-131-1420-6
RETZLAFF, DANIEL J
& JEFFREY A RETLAFF
1045 E JOHNSON ST

0709-131-1419-9
SPRAGUE, JOHN L
% THE SPRAGUE COMPANY LLC
1047 E JOHNSON ST

0709-131-1418-1
BARON INVESTMENTS VI LLP
% THE CHRISTENSEN CO
1049 E JOHNSON ST

0709-131-1417-3
STEWART ELLIOTT
PROPERTIES LLC
1051 E JOHNSON ST

0709-131-1030-3
CHRISTOPHERSON, SARA C
1105 E JOHNSON ST

0709-131-1028-6
WALTER STREET LLC
% OAKLAND PROP SERV LLC
1111 E JOHNSON ST

0709-131-1028-8
SCHLUETER, JEAN M
% APEX PROPERTIES INC
1113 E JOHNSON ST

0709-131-1027-0
DUTCHER, ANDREW
ANNIE DUTCHER
1115 E JOHNSON ST

0709-131-1026-2
WALDECK LIV TR, ALEXISE
1119 E JOHNSON ST

0709-131-1024-6
1129 EAST JOHNSON STREET
LLC
1129 E JOHNSON ST

0709-131-1025-4
CAPTAIN, JEFFERY J
1121 E JOHNSON ST

0709-131-1023-8
1135 EAST JOHNSON ST LLC
% A & P PROPERTIES
1135 E JOHNSON ST

PROPOSED STORM
(SEE STORM PLAN)

SAS#10

SAN TAP @
EI=846.00

EX.8"SAN @0.48%

PROPOSED WATER
(SEE WATER PLAN)

INSTALL MARKER BALL
ABOVE LATERAL AT
PROPERTY LINE
AND AT MAIN (TYP)

PROP. MG&E(SEE PRVT UTILITY PLAN)

PROP. MGE
2-5" PVC

12-IN CI (1928)

6-IN CI (1882)

EX.22"STM

EX.8"STM

8"-56'@0.41%

E JOHNSON STREET R/L

8"-315'@0.99%

REM.EX.SAS
#5345-020

REM.EX.6"SAN

REM.EX.SAS
#5345-021

REM.EX.6"SAN

SAS#7
4"ST 20 PSI

SAS#11
4"ST 20 PSI

EX.SAS
#5344-007

CAUTION

CAUTION

PLUG PIPE(TYP.)

LATERAL LOCATED(TYP.)

EX.8"SAN@0.68% TO BE LINED
(SEPARATE CONTRACT)

N INGERSOLL STREET

Proposed
MGE
2-5" PVC

REMOVE AND REPLACE SIDEWALK AS
NEEDED TO REPLACE SANITARY LATERALS
(MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS
TO BE INSTALLED BY OTHERS AND ARE INCLUDED
ON PLAN FOR REFERENCE ONLY.

INSERT
CHIMNEY
SEAL

SAS #7
STA 53'EJ'+85.15 RT 9.92'
RIM = 855.79
EI = 845.68 (SE)
EI = 845.73 (NW)
EI = 845.78 (NW)
EI = 845.78 (NE)

REM.EX.SAS 5345-021
STA 53'EJ'+85.12 RT 6.97'
RIM = 856.10
EI = 845.82(SE)8"
EI = 845.85(SW)6"
EI= 845.78(NW)6"
EI=845.82(NE)6"

N.INGERSOLL ST.

PROP.
12"STM

PROP.12"
WATER

PROP.
15"STM

EX.8"SAN

EX.8" VP SAN @0.68%

8"-56'@0.41%

SAS #10
STA 53'EJ'+84.90 LT46.38'
RIM = 857.49
EI = 845.96(SE)8"
EI = 846.00(NW)8"TAP

REM.EX.SAS 5345-020
STA 52'EJ'+19.12 RT 8.95'
RIM = 857.00'
EI = 847.10 (NE)6"
EI = 847.16 (SW)6"
EI= 847.72 (NW)LAT
EI=847.40(SE)LAT

REM.EX.SAS 5345-021
STA 53'EJ'+85.12 RT 6.97'
RIM = 856.10
EI = 845.82(SE)8"
EI = 845.85(SW)6"
EI= 845.78(NW)6"
EI=845.82(NE)6"

PROP.MGE(E)

INSERT
CHIMNEY
SEAL

EXISTING MGE
4" GAS MAIN

PROP. 15"STORM (SEE STORM PLAN)

PROP.15"STM

PROP. 15"STORM (SEE STORM PLAN)

PROP.15"STM

PROP.12"STM

PROP.6"WATER

PROP.WATER(SEE WATER PLAN)

PROP.
MGE(E)

REM.EX.6"SAN

REM.EX.6"SAN

REM.EX.6"SAN

REM.EX.6"SAN

300' - 8" @ 0.40%

315' - 8" @ 0.99%

225' - 8" @ 1.78%

SAS #7
STA 53'EJ'+85.15 RT 9.92'
RIM = 855.79
EI = 845.68 (SE)
EI = 845.73 (NW)
EI = 845.78 (SW)
EI = 845.78 (NE)

REM.EX.SAS 5344-007
STA 57'EJ'+15.98 RT 6.52'
RIM = 858.79
EI = 851.49(SW)
EI = 851.47(NE)
EI = 852.64(LAT)

SAS #11
STA 57'EJ'+00.00 RT 10.00'
RIM = 857.36
EI = 848.89 (SW)
EI = 848.99 (NE)

52+00 52+25 52+50 52+75 53+00 53+25 53+50 53+75 54+00 54+25 54+50 54+75 55+00 55+25 55+50 55+75 56+00 56+25 56+50 56+75 57+00 57+25 57+50 57+75 58+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET E

FILE NAME : M:\DESIGN\Projects\53W0740\Sanitary\Design\53W0740SAN-PnP**8.dgn PLOT DATE : 11/22/2013 PLOT BY : enmdm PLOT NAME : PLOT SCALE : 39.9999 sf / in.
WISDOT/CADDS SHEET 40

2

MATCHLINE STA 58+00.00

MATCHLINE STA 64+00.00

0709-131-1122-6
BUDZISZ, JEFFREY R BEBEL
& OSCAR & KAREN BEBEL
1140 E JOHNSON ST

0709-131-1124-4
HOLTER, KJERSTA K
1144 E JOHNSON ST

0709-131-1125-2
1150 EAST JOHNSON STREET
LLC % MADISON PROP MNGMT
1150 E JOHNSON ST

0709-131-1126-0
DAY INVESTMENTS LLC
1152 E JOHNSON ST

0709-131-0404-1
RICHTER, CHERIE R
& CHRISTOPHER J RICHTER
1204 E JOHNSON ST

0709-131-0405-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
1208 E JOHNSON ST

0709-131-0406-7
DETTMAN, DAVID W
& PIYANUT SRIPANAWONGSA
1212 E JOHNSON ST

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

0709-131-1021-2
DONNELLY, MICHAEL S
1143 E JOHNSON ST

0709-131-1022-0
DONNELLY, MICHAEL S
1141 E JOHNSON ST

0709-131-1020-4
BERTAGNOLI, CHRIS A
1145 E JOHNSON ST

0709-131-1019-7
GOLD, ALAN
MARY LOU SNOWDEN
1151 E JOHNSON ST

0709-131-0501-5
APEX INVESTMENT GROUP VI
LLC
221 N FEW ST

0709-131-0530-4
FATSIS ARIS
& BETH L FATSIS
1215 E JOHNSON ST

0709-131-0529-7
MAGLI SHERRY L
1217 E JOHNSON ST

0709-131-0528-9
OROSZ MARITAL TR, JANET S
1221 E JOHNSON ST

0709-131-0527-1
MITCHELL, GENE R
& JANIS I ARNOVICH
1225 E JOHNSON ST

0709-131-0526-3
HAMMER, CLIFF GEORGE
& NICOLE MILLER
1229 E JOHNSON ST

N FEW STREET

E JOHNSON STREET R/L

Proposed MGE 2-5" PVC

PROP. MG&E(SEE PRVT.UTILITY PLAN)

PROP. WATER(SEE WATER PLAN)

8"-225'@1.78%

REM.EX.6"SAN

SAS#12

REM.EX.SAS #5344-006

REM.EX.6"SAN

EX.SAS

PLUG PIPE(TYP.)

EX.SAS PLUG 5344-016

REM.EX.6"SAN

REM.EX.SAS #5344-032

INSTALL MARKER BALL ABOVE LATERAL AT PROPERTY LINE AND AT MAIN (TYP)

REM.EX.8"VP SAN

EX.ABAN.6"VP SAN

REM.EX.SAS #5344-031

SAS #19

SAS #18

REM.EX.SAS #5344-029

*8"-285'@ 3.65%(AWWA C900)

LATERAL LOCATED(TYP.)

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE SANITARY LATERALS (MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS TO BE INSTALLED BY OTHERS AND ARE INCLUDED ON PLAN FOR REFERENCE ONLY.

REM.EX.SAS 5344-006
STA 59'EJ'+47.80 RT 6.42'
RIM = 863.22
EI = 855.52(SW)
EI = 855.62(NE)STUB

PROP. MGE(E)

EXISTING MGE 8" GAS MAIN

PROP.12"WATER(SEE WATER PLAN)

REM.EX.6"SAN

225' - 8" @ 1.78%

SAS #12
STA 59'EJ'+25.00 RT 10.00'
RIM = 862.15
EI = 853.00(SW)

EX. SAS PLUG #5344-016

REM EX 6"SAN

SAS #19
STA 60'EJ'+89.59 RT 11.90'
RIM= 863.80
EI= 854.50(NE)

REM.EX.SAS 5344-032
STA 61'EJ'+72.25 RT 8.57'
RIM = 861.05
EI = 852.70(NE)
EI = 852.70(SW)

PROP.12"WATER(SEE WATER PLAN)

REM.EX.6"SAN

285' - 8" @ 3.65%(AWWA C900 MAIN AND LATERALS)

REM.EX.SAS 5344-029
STA 63'EJ'+64.06 RT 15.38'
RIM = 854.76
EI = 846.95 (NW) 8"
EI = 846.33 (NE) 8"

REM.EX.SAS 5344-031
STA 63'EJ'+62.87 LT 8.07'
RIM = 854.46
EI = 847.21 (SE) 8"
EI = 847.71 (SW) 6"
EI = 848.28 (NE) 6"

PROP. 6"WATER

PROP. MGE(E)

EXISTING MGE 6" GAS MAIN

REM.EX.6"SAN

SAS #18
STA 63'EJ'+75.00 RT 12.50'
RIM = 854.97
EI = 844.00 (NE) 8"
EI = 844.10 (SW) 8"

*195' - 8" @ 0.40%(AWWA C900) SEWER MAIN & LATERALS

875 870 865 860 855 850 845 840 835

58+00 58+25 58+50 58+75 59+00 59+25 59+50 59+75 60+00 60+25 60+50 60+75 61+00 61+25 61+50 61+75 62+00 62+25 62+50 62+75 63+00 63+25 63+50 63+75 64+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Sanitary\Design\53W0740SAN-PnP**9.dgn PLOT DATE : 11/22/2013 PLOT BY : enmdm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

2

MATCHLINE STA 64+00.00

EX. ABAN. 6"VP SAN

PROPOSED WATER (SEE WATER PLAN)

REM.EX.SAS #5344-030 (IF FOUND)

REM.EX.8"SAN.

EX.8" VP SAN@0.42%

6-IN CI (1961)

LATERAL

LATERAL

LAT LOCATED(TYP.)

E GORHAM STREET

8"-24'@ 0.42% SDR-26

REM.EX. SAS #5344-027 CONNECT TO 8" EI(W)=842.58 COMPRESSION COUPLING

SAS #17

ABAN EX.8" VP SAN WITH CONC. SLURRY

PROVIDE TEMP SAN. CONNECTION FOR TRAFFIC CONTROL

EX.SAS #5443-030

EX.10" DI SAN

EX.SAS #5344-012 ADJ. RIM

EX.10"DUCTILE IRON SAN.

EX.10" DI SAN @ 3.96% TO REMAIN

EX.SAS #5443-002 ADJ.SAS SPECIAL

MARSTON AVENUE

EX.8" PVC SAN

EX.SAS #5443-030

EX.10" CI SAN

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

302 N BALDWIN ST

PROP. MG&E(SEE PRVT UTILITY PLAN)

REM.EX.SAS #5444-014

SAS #13

REM.EX.SAS #5444-011

8"-25'@0.40%

SAS #15

8" STUB

*8"-59'@ 0.41% SDR-26

CAUTION

E JOHNSON STREET R/L

65+00 4-IN CI (1927)

66+00

67+00

68+00

69+00

70+00 70+10

SAS #16

*8"-195'@ (AWWA C900)

*8"-144'@ 0.40%(AWWA C900)

*8"-126"@0.45%(AWWA C900)

REM.EX.8"SAN.

REM.EX.8"VP SAN

SAS #14

8"-30'@5.93%

EX.6" VP SAN TO REMAIN

EX.SAS #5443-010

PROPOSED STORM (SEE STORM PLAN)

PLUG PIPE(TYP.)

Proposed MGE 2-5" PVC

REM.EX.SAS #5444-018 CONNECT TO EX. 8" @ 847.78(SE PIPE CONNECTION) COMPRESSION COUPLING

EX.SAS #5443-013 TO REMAIN

N BALDWIN STREET

EX.8"PVC SAN @5.93%

REMOVE AND REPLACE SIDEWALK AS NEEDED TO REPLACE SANITARY LATERALS (MAX. 4 SW SQUARES, 100 SF, PER LATERAL)

0709-131-0525-5 SPENCER, PHILIP J & SUSAN K SPENCER 1233 E JOHNSON ST

0709-131-0524-7 BONEBRAKE, MICHAEL 1235 E JOHNSON ST

0709-131-0523-9 JOHNSON CURTIS LLC 1237 E JOHNSON ST

0709-131-0522-1 MCDERMOTT, PATRICK A & LADINE L MCDERMOTT 1239 E JOHNSON ST

0709-131-0521-3 HALLWINTHER PROPERTIES LLC 1247 E JOHNSON ST

0709-131-0520-5 NEWPORT, TIMOTHY W & KATHLEEN M NEWPORT 1251 E JOHNSON ST

0709-131-0519-8 NEWPORT, TIMOTHY W & KATHLEEN M NEWPORT 1257 E JOHNSON ST

0709-131-0518-0 BACKUS, KENNETH 1259 E JOHNSON ST

0709-124-0321-1 WINDER, TAYLOR J 223 N BALDWIN ST

0709-124-0311-3 PEDLEY, ROBERT T 1305 E JOHNSON ST

0709-124-0310-5 NEWPORT, TIMOTHY W & KATHLEEN M NEWPORT 1317 E JOHNSON ST

0709-124-0309-8 BERGERSEN, GUNNAR A 1319 E JOHNSON ST

0709-124-0308-0 COLBERT, MARCEL STEFAN & FRANCES PHILOMENE COLBERT 1321 E JOHNSON ST

PROPOSED MGE(G), MGE(E), AND ATC IMPROVEMENTS TO BE INSTALLED BY OTHERS AND ARE INCLUDED ON PLAN FOR REFERENCE ONLY.

INSERT CHIMNEY SEAL

PROP. MGE(E)

INSTALL COMPRESSION COUPLING @ EI=842.58'

PROP.12" WATER

8"-24'@0.42% (SDR-26)

8"-59'@0.41%(ASTM D3034 SDR-26 MAIN AND LATERALS)

REM.EX.SAS #5344-027 STA 65'EJ'+53.62 LT 61.59' RIM =853.08 EI = 842.58(W)8" EI = 842.46(E)8" EI = 842.90(SW)LAT EI = 842.73(N)LAT

EX.8"VP SAN@0.42%

SAS #16 STA 65'EJ'+70.53 RT 10.79 RIM = 854.50 EI = 842.03 (NW) 8" EI = 841.93 (NE) 8" EI = 843.22 (SW) 8"

SAS #17 STA 65'EJ'+71.30 LT 45.82' RIM =853.82 EI = 842.48 (W)8" EI = 842.27(SE)8"

STA 65+70 TO E. GORHAM ST.

SAS #14 STA 67'EJ'+14.29 RT 12.68' RIM = 855.52 EI = 847.00 (SE) 8" (OUTSIDE DROP) EI = 841.56(SE)8" EI = 841.35 (SW) 8" EI = 841.23 (N) 8" EI = 842.35 (NE) 8"

EX.SAS 5444-012 STA 67'EJ'+28.12 LT 30.68' EX.RIM = 853.92 PROP.RIM=853.97; (TEMP RIM=853.80) EI = 840.17(NE)10" EI = 840.18 (SE)10" EI = 840.21(W)10"

REM.EX.SAS 5444-011 STA 67'EJ'+16.38 LT 5.81' RIM = 855.07 EI = 841.27(N)10" EI = 841.45(SE)8" EI = 846.02(SE)8" EI = 843.42 (S)8" EI = 841.57(S)8" EI = 841.72(W)8"

SAS #16 STA 65'EJ'+70.05 RT 13.31' RIM = 854.50 EI = 842.03 (NW) 8" EI = 841.93 (NE) 8" EI = 843.22 (SW) 8" EI = 843.22 (SW) 8"

INSERT CHIMNEY SEAL

PROP. MGE(E)

EXISTING MGE 8" GAS MAIN

ADJ. RIM

REM.EX.SAS 5444-014 STA 66'EJ'+89.15 RT 16.14' RIM = 855.43 EI = 845.03(SW) EI = 844.75 (N) 8"

PROP. STORM (SEE STORM PLAN)

PROP.12"STM

PROP.12" WATER(SEE WATER PLAN)

REM.EX.8"SAN.

REM.EX.8"SAN.

REM EX.6"SAN

PROP.6"WATER

*195' - 8" @ 0.40%(AWWA C900 DR18) SEWER MAIN & LATERALS

*144' - 8" @ 0.40%(AWWA C900 DR18) SEWER MAIN AND LATERALS

EX.10" DI SAN@3.96%

*126' - 8" @ 0.45%(AWWA C900 DR 18) SEWER MAIN AND LATERALS

EX.10"DI SAN.(NORTH SIDE OF ROAD)

SAS #15 STA 68'EJ'+40.00 RT 5.71' RIM = 854.67 EI = 842.92 (SW) EI = 843.01 (NE)

EX.SAS 5443-030 STA 69'EJ'+64.18 LT 35.24' RIM = 852.52 EI = 838.92 (SW)10" EI = 838.91 (NE)10"

EX.SAS 5443-002 STA 69'EJ'+44.59 LT 33.98' PROP.RIM=852.76 TEMP RIM=852.59 EX.RIM = 852.59 EI = 839.39(SW)10" EI = 838.92(NE)10" ADJ.SAS SPECIAL

EX.10"SAN.

EX.10" CI SAN.

CONNECT TO EX. 8"STUB @ EI = 848.78 (SE) 8"

PROP. 15" STM

PROP. MGE(E)

EX.8"PVC@5.93%

8"-30'@5.93%

REM.EX.SAS5444-018 STA 67'EJ'+14.77 RT 45.85 RIM = 857.09 EI = 847.69 (NW) 8" EI = 848.78 (SE) 8"PVC

SAS #14 STA 67'EJ'+14.29 RT 12.68' RIM = 855.52 EI = 847.00 (SE) 8" EI = 841.56 (SE) 8" OUTSIDE DROP EI = 841.35 (SW) 8" EI = 841.23 (N) 8" EI = 842.35 (NE) 8"

PROP. 12" WATER

ADJUST RIM

REM.EX.SAS 5444-014 STA 66'EJ'+89.15 RT 16.14' RIM = 855.43 EI = 845.03(SW) EI = 844.75 (N) 8"

EX.10"@3.96%

8"-25'@0.40%(ASTM D3034 SDR-26)

N.BALDWIN ST.

SAS #13 STA 67'EJ'+19.41 LT 12.12' RIM = 854.70; (TEMP RIM=854.53) EI = 840.99 (N)10" EI = 841.13 (SE)8" EI = 841.42(SW) TAP 6" (TEMP CONNECT

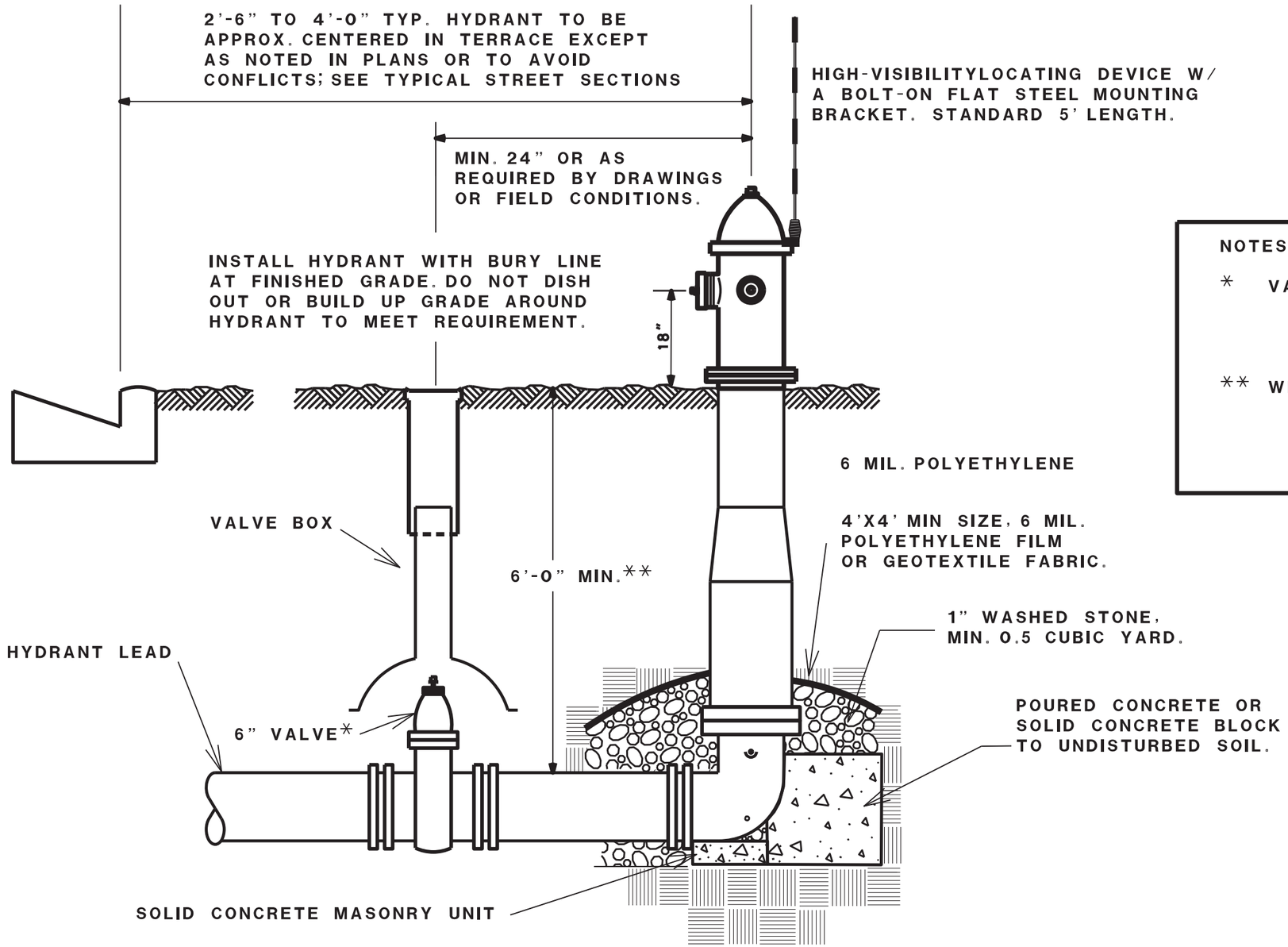
REM.EX.SAS 5444-011 STA 67'EJ'+16.38 LT 5.81' RIM = 855.07 EI = 841.27(N)10" EI = 841.45(SE)8" EI = 843.42 (S)8" EI = 841.57(S)8" EI = 841.72(W)8"

EX.SAS 5444-012 STA 67'EJ'+28.12 LT 30.68' EX.RIM = 853.92 PROP.RIM=853.97; (TEMP RIM 853.80) EI = 840.17(NE)10" EI = 840.18 (SE)10" EI = 840.21(W)10"

64+00 64+25 64+50 64+75 65+00 65+25 65+50 65+75 66+00 66+25 66+50 66+75 67+00 67+25 67+50 67+75 68+00 68+25 68+50 68+75 69+00 69+25 69+50 69+75 70+00

PROJECT NO: 5992-09-12	HWY: E JOHNSON STREET	COUNTY: DANE	SANITARY SEWER PLAN & PROFILE	SHEET 107	E

2



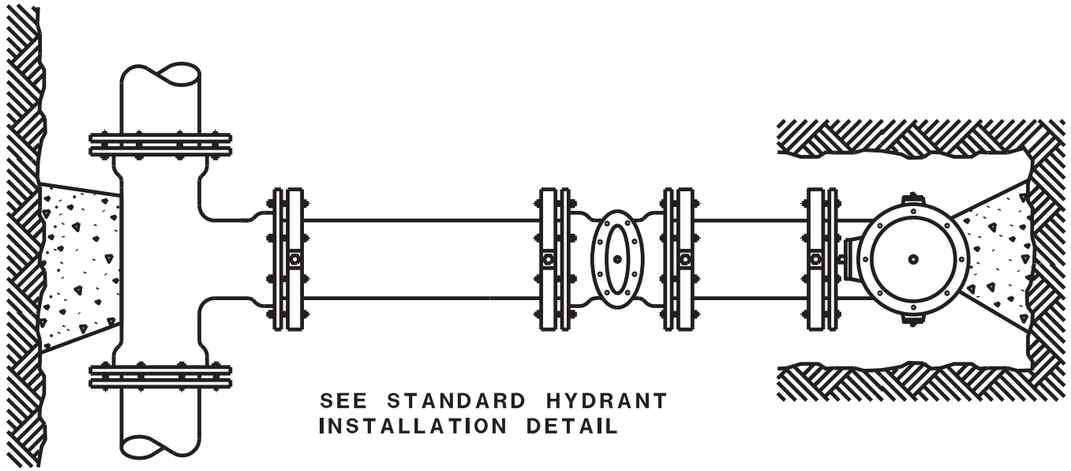
NOTES:

* VALVE MAY BE LOCATED IN STREET OR TERRACE; SEE PLANS FOR INDIVIDUAL HYDRANT VALVE LOCATIONS

** WHERE DEPTH IS OVER 6'-0" PROVIDE EXTENSION FITTINGS, VALVE BOX EXTENSIONS AND PIPE FITTINGS AS NECESSARY

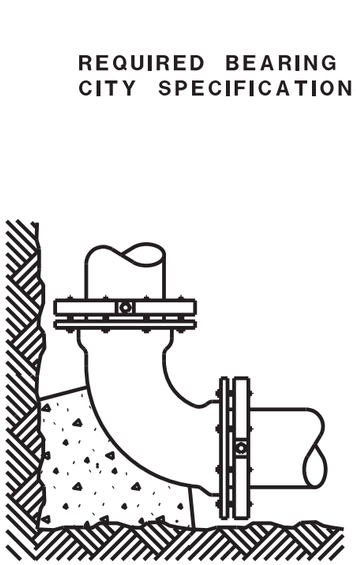
TYPICAL HYDRANT INSTALLATION

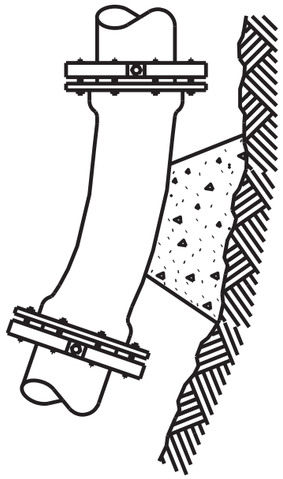
2

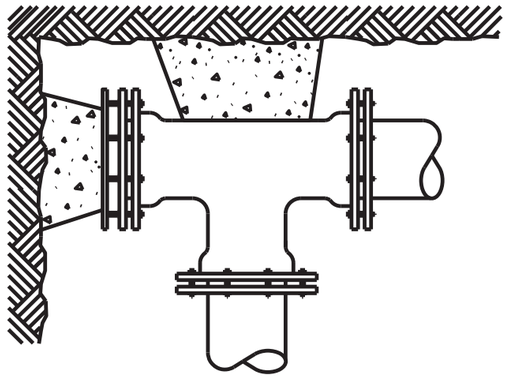


SEE STANDARD HYDRANT
INSTALLATION DETAIL

REQUIRED BEARING AREA PER STANDARD
CITY SPECIFICATIONS SECTION 703.







NOTE: WITH EXCEPTION OF HYDRANT INSTALLATIONS,
CONCRETE THRUST BLOCKING TO BE USED ONLY
WHERE CONNECTING TO EXISTING WATER MAIN
OR APPROVED BY THE ENGINEER

DENOTES UNDISTURBED SOIL

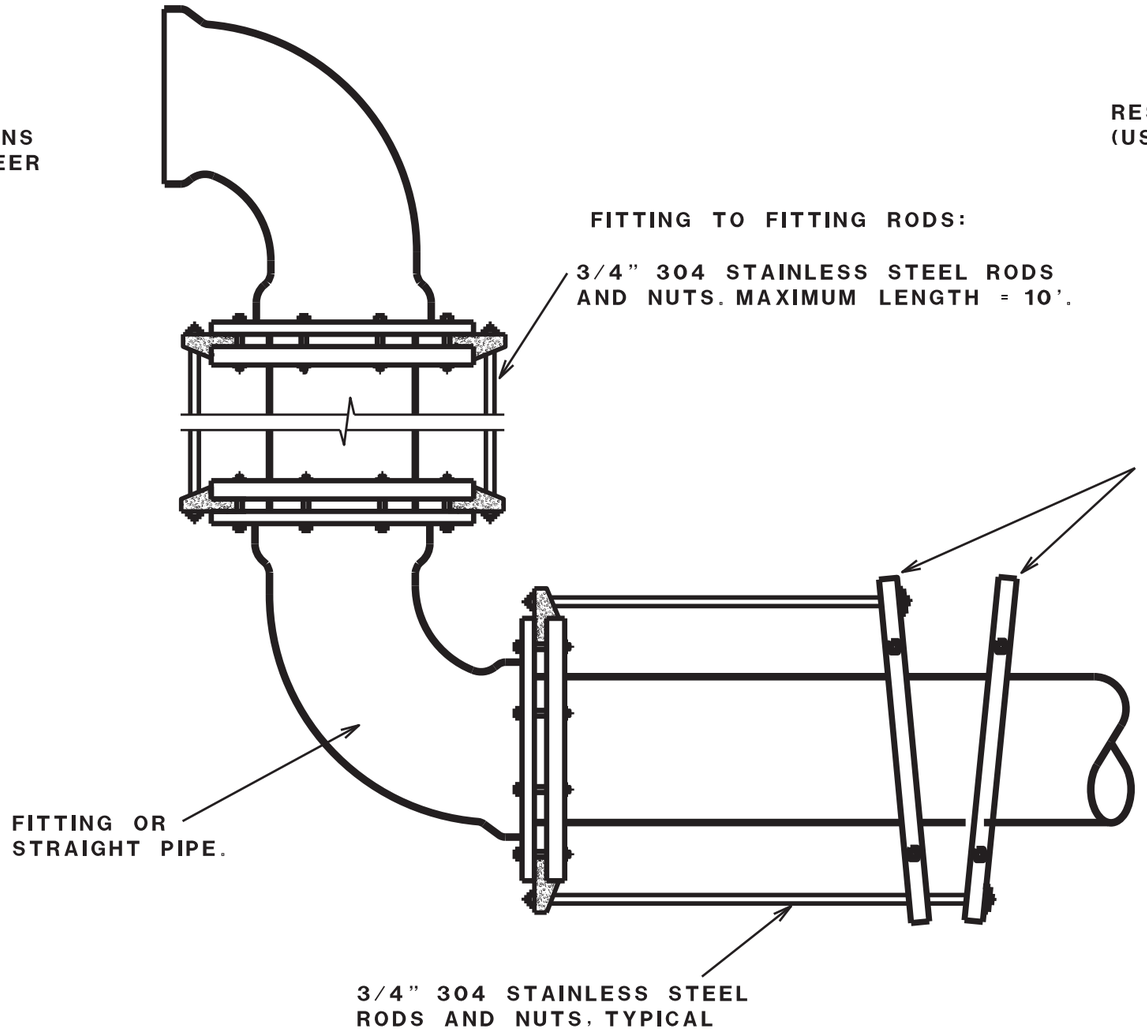
DENOTES POURED CONCRETE

CONCRETE THRUST BLOCKING

PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS (WATER MAIN)	SHEET 109	E

NOTE:
TO BE USED ONLY IN LOCATIONS
APPROVED BY THE THE ENGINEER

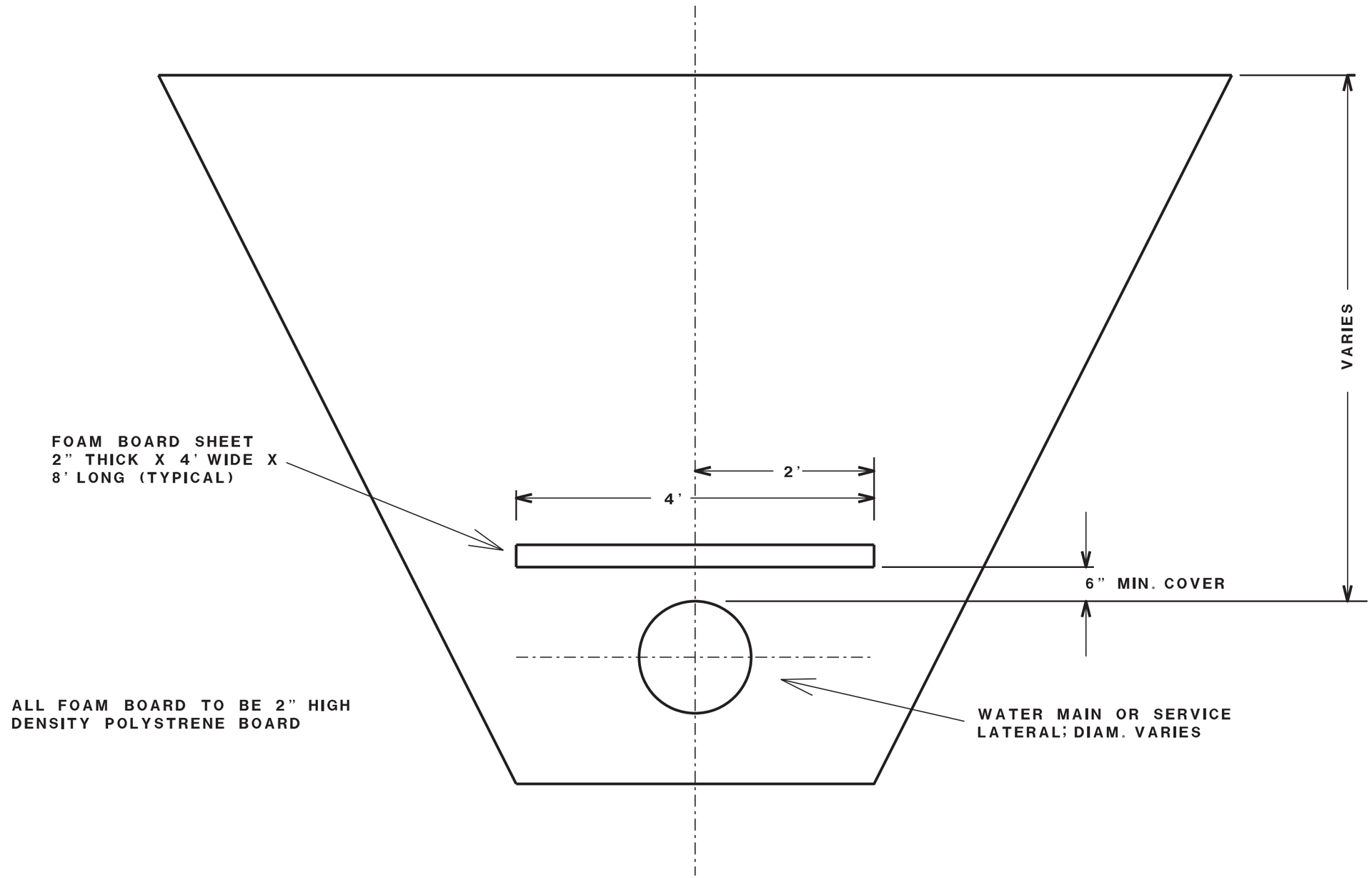
RESTRAINED JOINT
(USING THREADED ROD)



STANDARD THREADED RODS

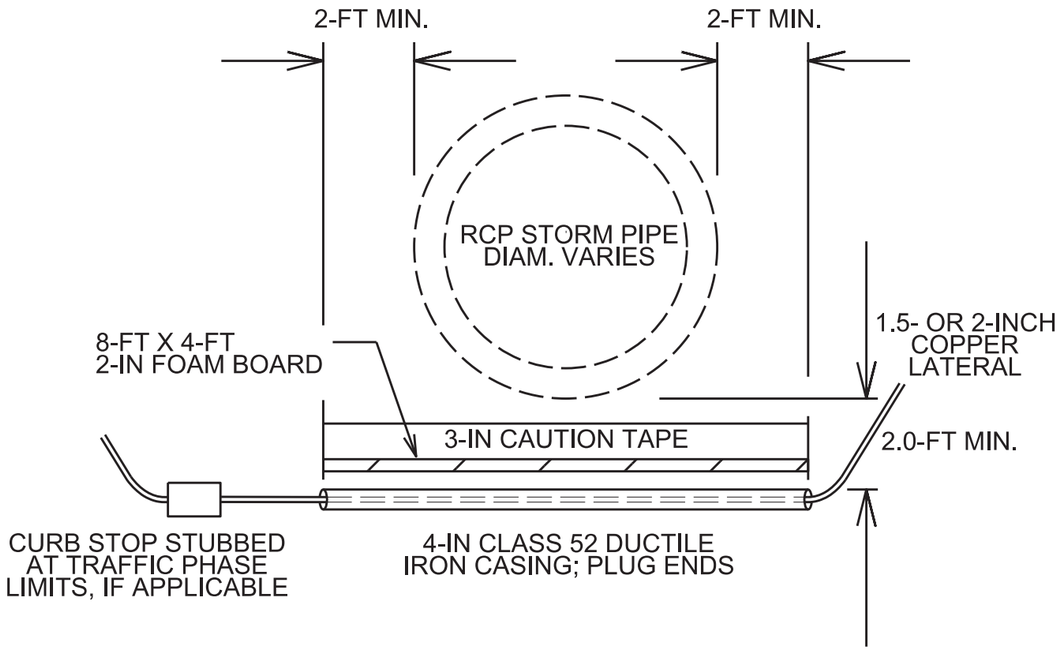
PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS (WATER MAIN)	SHEET 110	E

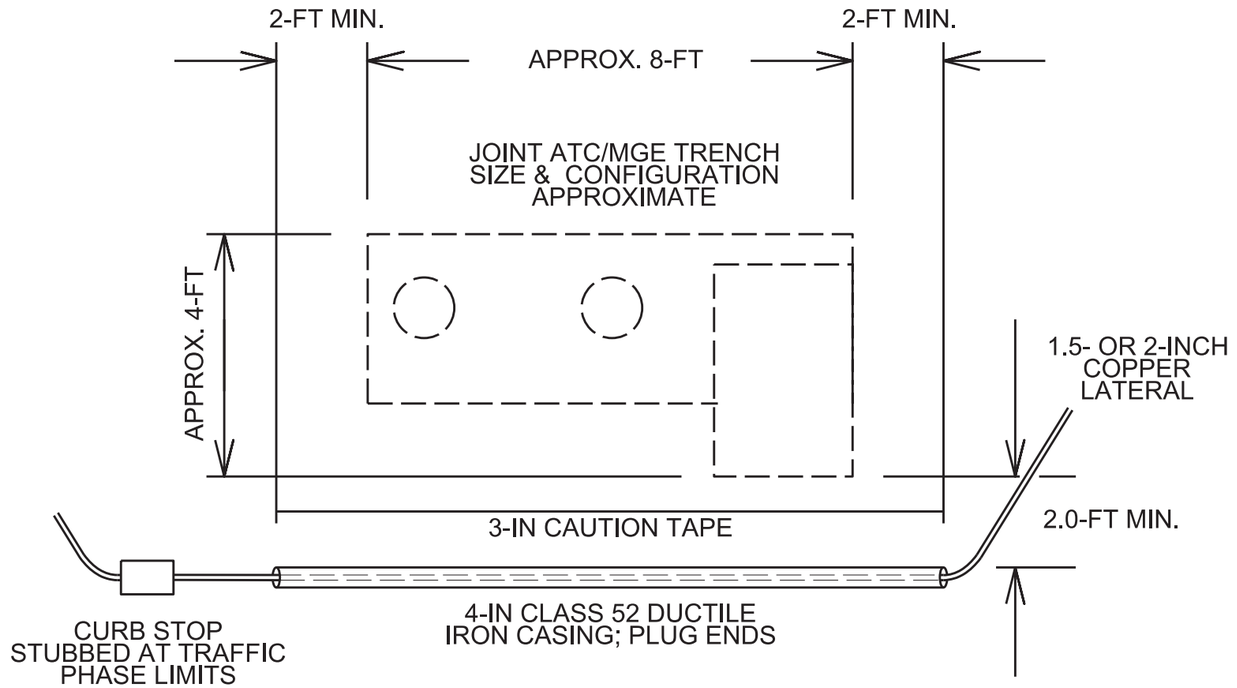
2



TYPICAL FOAM BOARD INSTALLATION

PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS (WATER MAIN)	SHEET 111	E





LATERAL BELOW STORM PIPE

LATERAL BELOW ATC/MGE TRENCH

- TAP THE LATERAL AT NEW MAIN; BRING THE COPPER DOWN TO AN ELEVATION TO MEET THE CASING. STUB LATERAL AT THE TRAFFIC PHASE LIMITS WITH A CURB STOP FOR ALL SERVICES EXTENDING ACROSS THE NORTH JOHNSON STREET CORRIDOR.

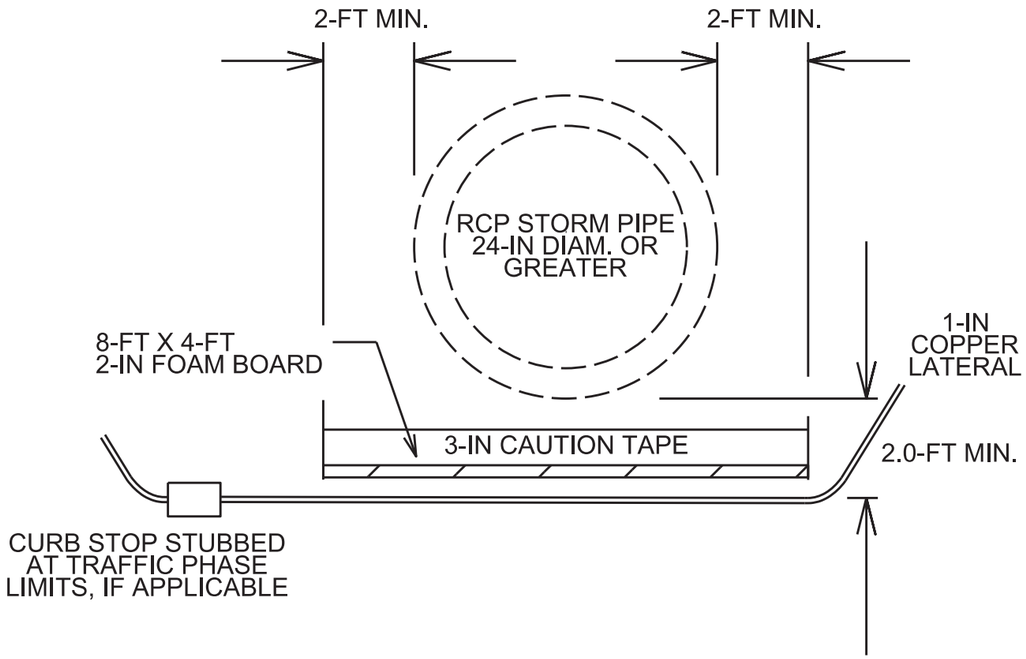
- INSTALL ALL SERVICES IDENTIFIED AS CASED (E.G. WN11, 2-IN, CASE) INSIDE THE CASING WITH THE TOP OF CASING AT LEAST 2.0 FEET BELOW THE BOTTOM-MOST PORTION OF THE STORM PIPE OR TRENCH. CONNECT TO THE EXISTING LATERAL (WN2) OR TO THE NEW CURB STOP (WN11).

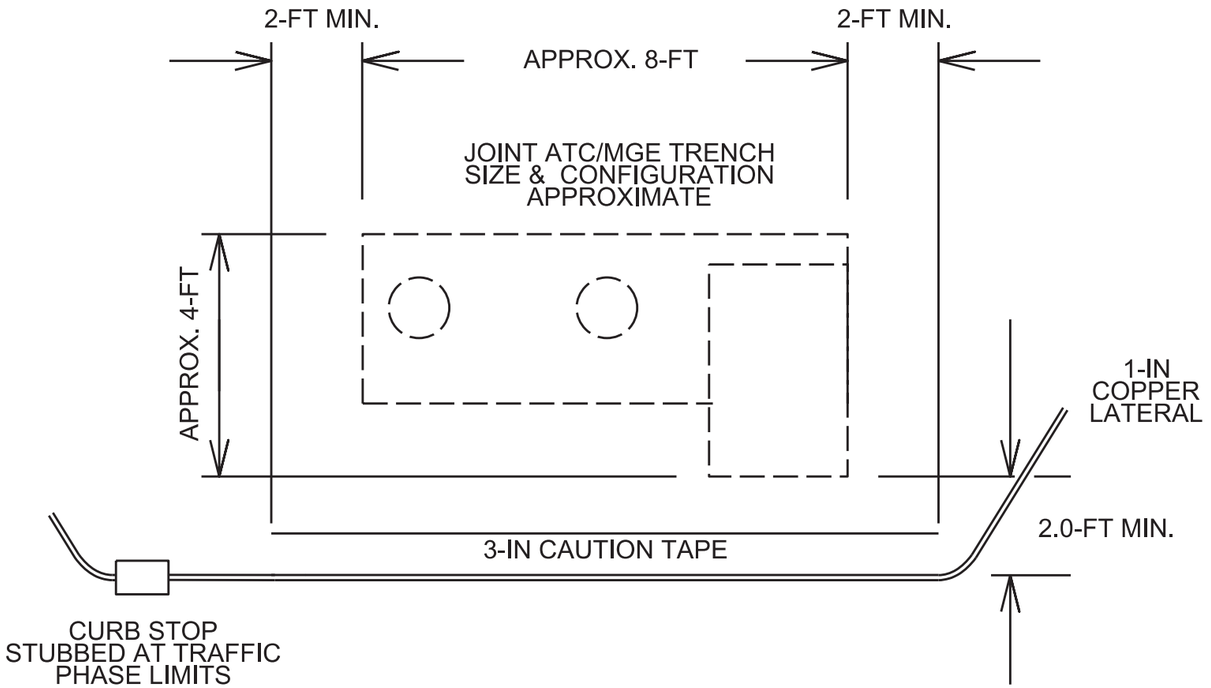
- PLUG BOTH ENDS OF THE CASING BEFORE BACKFILLING.

- INSTALL (1) SHEET OF 8-FT X 4-FT 2-IN FOAM BOARD INSULATION ~6-IN ABOVE THE CASING PARALLEL W/ LATERAL WHERE THE SERVICE IS BELOW A STORM PIPE.

- INSTALL 3-IN WIDE CAUTION TAPE ~12 INCHES ABOVE THE CASING, PARALLEL WITH THE CASING AND ALONG ITS ENTIRE LENGTH.

WATER SERVICE LATERAL CASING DETAILS





LATERAL BELOW STORM PIPE

LATERAL BELOW ATC/MGE TRENCH

- INSTALL ALL 1-IN WATER SERVICE LATERALS A MINIMUM OF 2.0 FEET BELOW THE BOTTOM-MOST PORTION OF THE JOINT MGE/ATC TRENCH AND STORM SEWER PIPES 24-INCHES AND GREATER IN DIAMETER. 1.5-INCH AND 2.0-INCH DIAMETER LATERALS TO BE CASED PER DETAIL AND SPECIAL.

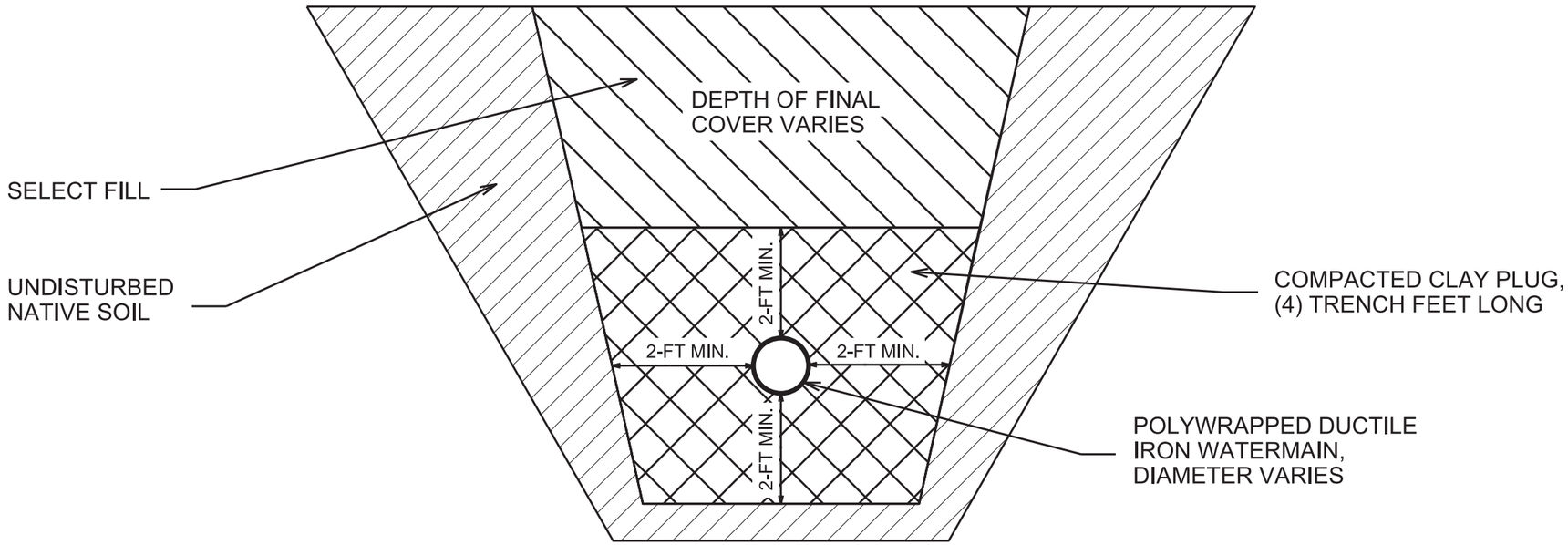
- WHERE APPLICABLE, STUB THE LATERAL WITH A CURB STOP AT THE TRAFFIC PHASE LIMITS

- INSTALL (1) SHEET OF 8-FT X 4-FT 2-IN FOAM BOARD INSULATION ~6-IN ABOVE THE CASING PARALLEL W/ LATERAL WHERE THE SERVICE IS BELOW A STORM PIPE.

- INSTALL 3-IN WIDE CAUTION TAPE ~12 INCHES ABOVE THE LATERAL, PARALLEL WITH THE LATERAL AND EXTENDING A MINIMUM OF 2 FEET BEYOND THE EDGES OF THE UTILITY.

WATER SERVICE LATERAL UNDER UTILITIES

2



NOT TO SCALE

CLAY TRENCH PLUG FOR WATER MAIN

PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS (WATER MAIN)	SHEET 114	E

WATER NOTES:

WN1 X-IN — WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE (1-INCH, 1.5-INCH OR 2-INCH).

WN2 X-IN — WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN (1-INCH, 1.5-INCH OR 2-INCH).

WN3 X-IN — WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF (1-INCH, 1.5-INCH OR 2-INCH).

WN4 X-IN — WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN (1-INCH, 1.5-INCH OR 2-INCH).

WN5 — WN5 RELOCATE THE EXISTING FIRE HYDRANT.

WN6 — WN6 ABANDON WATER VALVE ACCESS STRUCTURE.

WN7 — WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.

WN8 — WN8 ABANDON THE VALVE BOX.

WN9 X-IN — WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL (1-INCH, 1.5-INCH OR 2-INCH).

WN10 — WN10 REMOVE AND SALVAGE EXISTING HYDRANT

WN11 X-IN — WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE (1-INCH, 1.5-INCH OR 2-INCH).

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH FOAM BOARD INSULATION AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.

2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.

3. MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.

5. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

2

WATER MAIN CONSTRUCTION NOTES

2

2

WATER MAIN PROTECTIVE MEASURES BOUNDARY; FOLLOW ALL MEASURES INSIDE BOUNDARY:

- USE ONLY FLUOROCARBON GASKETS

- PERMANENTLY PLUG HYDRANT DRAIN PORTS OR INSTALL HYDRANTS WITHOUT DRAIN PORTS

- INSTALL CLAY TRENCH PLUGS WHERE IDENTIFIED

PLACE CLAY TRENCH PLUG (NTS)
AT CONNECTION TO EX. MAIN
MIN. 4 TRENCH-FT LONG

STA 25+66.0 1.8' LT
PLACE CLAY TRENCH PLUG (NTS)
AT BOUNDARY EDGE
MIN. 4 TRENCH-FT LONG

STA 28+25.0 1.8' LT
PLACE CLAY TRENCH PLUG (NTS)
AT BOUNDARY EDGE
MIN. 4 TRENCH-FT LONG

PLACE CLAY TRENCH PLUG (NTS)
AT CONNECTION TO EX. MAIN
MIN. 4 TRENCH-FT LONG

600 BLOCK

700 BLOCK

E JOHNSON STREET

N BLOUNT STREET

APPROXIMATE LIMITS OF AREA WHERE NR 809 M.C.L.'S ARE APPROACHED OR EXCEEDED

PROTECTIVE MEASURES BOUNDARY

CLAY TRENCH PLUG

W — EXISTING WATER MAIN

12"W — PROPOSED WATER MAIN

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS (WATER MAIN)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-Contam Plan Detail*3.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 42

2

2

**WATER MAIN PROTECTIVE MEASURES BOUNDARY;
FOLLOW ALL MEASURES INSIDE BOUNDARY:**

- USE ONLY FLUOROCARBON GASKETS

- PERMANENTLY PLUG HYDRANT DRAIN PORTS OR INSTALL HYDRANTS WITHOUT DRAIN PORTS

- INSTALL CLAY TRENCH PLUGS WHERE IDENTIFIED

PLACE CLAY TRENCH PLUG (NTS)
AT CONNECTION TO EX. MAIN
MIN. 4 TRENCH-FT LONG

STA 34+97.0 1.8' LT
PLACE CLAY TRENCH PLUG (NTS)
AT BOUNDARY EDGE
MIN. 4 TRENCH-FT LONG

STA 32+33.0 1.8' LT
PLACE CLAY TRENCH PLUG (NTS)
AT BOUNDARY EDGE
MIN. 4 TRENCH-FT LONG

PLACE CLAY TRENCH PLUG (NTS)
AT CONNECTION TO EX. MAIN
MIN. 4 TRENCH-FT LONG

31+00 32+00 33+00 34+00 35+00 36+00 37+00

12"W

E JOHNSON STREET

N LIVINGSTON STREET

700 BLOCK

800 BLOCK

APPROXIMATE LIMITS OF AREA WHERE NR 809 M.C.L.'S ARE APPROACHED OR EXCEEDED	W	EXISTING WATER MAIN	
PROTECTIVE MEASURES BOUNDARY	12"W	PROPOSED WATER MAIN	
CLAY TRENCH PLUG			

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS (WATER MAIN)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-Contam Plan Detail"4.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 42

2

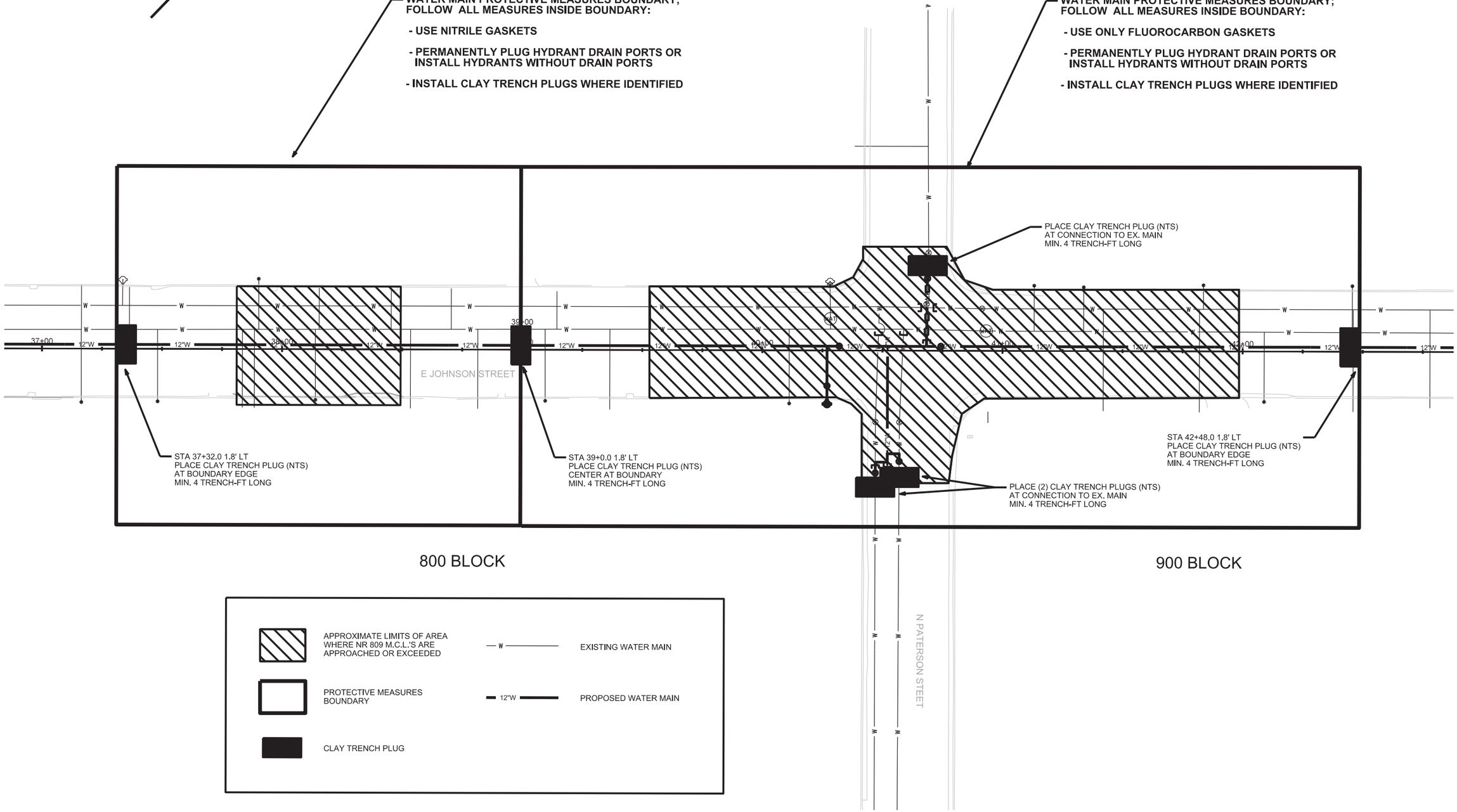
N

WATER MAIN PROTECTIVE MEASURES BOUNDARY;
FOLLOW ALL MEASURES INSIDE BOUNDARY:

- USE NITRILE GASKETS
- PERMANENTLY PLUG HYDRANT DRAIN PORTS OR INSTALL HYDRANTS WITHOUT DRAIN PORTS
- INSTALL CLAY TRENCH PLUGS WHERE IDENTIFIED

WATER MAIN PROTECTIVE MEASURES BOUNDARY;
FOLLOW ALL MEASURES INSIDE BOUNDARY:

- USE ONLY FLUOROCARBON GASKETS
- PERMANENTLY PLUG HYDRANT DRAIN PORTS OR INSTALL HYDRANTS WITHOUT DRAIN PORTS
- INSTALL CLAY TRENCH PLUGS WHERE IDENTIFIED



800 BLOCK

900 BLOCK

APPROXIMATE LIMITS OF AREA WHERE NR 809 M.C.L.'S ARE APPROACHED OR EXCEEDED

PROTECTIVE MEASURES BOUNDARY

CLAY TRENCH PLUG

W — EXISTING WATER MAIN

12"W — PROPOSED WATER MAIN

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CONSTRUCTION DETAILS (WATER MAIN)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-Contam Plan Detail*6.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : PLOT SCALE : 39.9999 sf / in.

2

2

MATCHLINE STA 16+00.00

STA 10+63.6 1.0 LT
12-IN X 12-IN LIVE TAP
CAP MAIN UPON
ABANDONMENT

STA 10+63.6 5.5 RT
16-IN X 12-IN TEE W/
16-IN MJ PLUG

STA 11+69.0 5.5 RT
16-IN 45° BEND ROLLED

STA 11+51.5 5.5 RT
16-IN VALVE

STA 11+46.5 5.5 RT
16-IN X 16-IN TEE

UTILITY TRENCH
PATCH TYPE II

EXTEND &
BEND SVC
TO 8-IN MAIN

WN2
1.5-IN

WN6

WN10

WN8

WN6
(2)

9'-6"WM

6'-8"WM

20'-6"WM

38'-8"WM

32'-8"WM

23'-16"WM

83'-16" WM, T-T

9'-16"WM

12'-16"WM

41'-16"WM

17'-16"WM

8'-16"WM

7'-8"WM

7'-6"WM

6'-4"WM

UTILITY TRENCH
PATCH TYPE III

5'-16" WM

4'-16" WM

21'-16" WM

16'-16" WM

15'-6" WM

39'-16" WM

30'-16"WM

25'-6" WM

8'-16"WM

STA 11+98.3 0.2 RT
16-IN VALVE

STA 12+04.3 0.1 RT
16-IN X 16-IN TEE

STA 11+74.2 0.2 RT
16-IN 45° BEND
ROLLED DOWN

STA 12+17.2 0.2 RT
16-IN VALVE

STA 12+12.2 0.1 RT
16-IN X 6-IN TEE

STA 12+12.2 11.7 RT
6-IN VALVE

THERMAL BACKFILL

STA 12+12.1 24.2 RT
5-IN HYDRANT

WN2
1-IN

EXTEND &
BEND SVC
TO 8-IN MAIN

WN3
3/4-IN

WN11
1-IN

WN4
1-IN

RELOCATE SVC LATERAL
TO AVOID TREE; SEE
SPECIAL PROVISION
INSTRUCTIONS

WN3
1-IN

WN3
1-IN

MAIN BUILDING
SERVED OFF
HANCOCK ST

WN3
1-IN

WN6

WN10

STA 14+71.4 0.2 RT
20-IN X 16-IN CROSS

STA 14+63.3 0.2 RT
16-IN VALVE

4-IN SERVICE AT SW
CORNER OF PROPERTY
TO REMAIN SERVED BY
EXISTING 20-IN MAIN

WN8
4-IN SVC VALVE

WN6

WN8
(2)

8'-20"WM

9'-6"WM

19'-20"WM

4'-20"WM

18'-4"WM

4'-6"WM

56'-20"WM

STA 14+91.4 4.5 LT
CUT & CAP EX. 20-IN MAIN

INSULATE, TYP.

284'-16"WM, C-C

259'-16"WM, T-C

TYPE X

STA 14+77.4 0.2 RT
16-IN VALVE

INSULATE LATERAL &
STM CROSSING, TYP.

WN10

WN8
(2)

5'-20"WM

59'-20"WM

21'-20"WM

NOTE:
ABANDON EXISTING MAIN IN
PLACE EXCEPT WHERE CALLED TO
BE REMOVED OR WHERE RQ'D TO
INSTALL PROPOSED MAIN

NOTE:
INSTALL FLUID THERMAL BACKFILL
(SPECIAL) AT ATC (69KV) & WATER
MAIN & NEW WATER SERVICE
CROSSINGS. SEE MISC. QUANTITY
SHEETS FOR LOCATIONS

WN2
1-IN

REPLACE SERVICE
VALVE W/ NEW 2-IN
CURB STOP

WN2
2-IN

WN2
1-IN

EX. 3/4"

WN11
1-IN

SERVED OFF
HANCOCK ST

SERVED OFF
HANCOCK ST

WN4
1-IN

WN4
1-IN

0709-144-0626-4
CORONA, LUCIA C
152 E JOHNSON ST

0709-144-1425-9
APEX INVESTMENT
GROUP VIII LLC
222 N HAMILTON ST

0709-133-3207-2
KOTLINSKI, ANDREW JO
219 N HAMILTON ST

0709-133-5501-6
HEES, PHILIP K
303 N HAMILTON ST

0709-133-2341-9
TZAKIS, DANNY A
301 E JOHNSON ST

0709-133-2340-1
305 E JOHNSON LLC
303 E JOHNSON ST

0709-133-2338-6
311 E JOHNSON LLC
331 E JOHNSON ST

0709-133-2337-8
317 E JOHNSON LLC
317 E JOHNSON ST

0709-133-2336-0
LILN, TIEN-MIN
& YUH-TZE CHERN
319 E JOHNSON ST

0709-133-2335-2
323 E JOHNSON LLC
% CHRISTOPHER
CULVER
323 E JOHNSON ST

0709-133-2201-5
NICHOLS STATION CDM ONRS
ASSC INC%RUSSELL H ENDRES
311 N HANCOCK ST

0709-133-2106-7
MARTIN, BRUCE
A & SARA R
401 E JOHNSON ST

0709-132-2105-9
JOHNSON CURTIS LLC
403 E JOHNSON ST

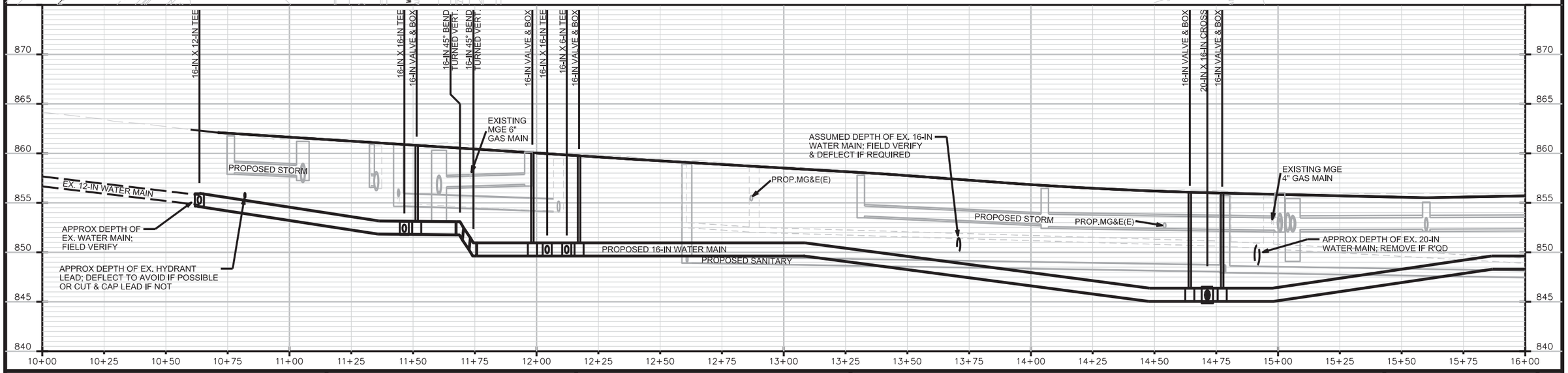
0709-132-2104-1
LOFGREN
PROPERTIES 3 LLC
407 E JOHNSON ST

E JOHNSON STREET R/L

N HAMILTON STREET

N BUTLER STREET

N HANCOCK ST



PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP1.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

2

HAMILTON/BUTLER FITTINGS:

* STA 12+04.3 38.6 LT
16-IN 45° BEND

** STA 11+57.3 50.3 LT
8-IN X 8-IN TEE

STA 11+57.3 88.0 LT
8-IN X 6-IN TEE W/
8-IN MJ PLUG

STA 11+48.3 88.0 LT
6-IN X 6-IN LIVE TAP; CAP EX.
MAIN UPON ABANDONMENT

FIELD PLACE BENDS AS R'QD
TO MAINTAIN CLEARANCE W/
TWIN 21-IN STORM PIPES

STA 11+87.2 50.2 LT
8-IN 90° BEND
ROLLED DOWN

STA 11+90.2 53.0 LT
8-IN VALVE

STA 11+93.3 55.7 LT
16-IN X 8-IN REDUCER

STA 11+96.7 58.9 LT
16-IN X 16-IN TEE
ROLLED DOWN

STA 11+99.4 61.2 LT
CUT-IN 16-IN VALVE

FIELD PLACE (2) 16-IN
45° BENDS TO MAINTAIN
MIN. 18-IN CLEARANE
WITH 15-IN SAN PIPE

STA 11+54.8 50.3 LT
8-IN X 6-IN REDUCER

MIN T/P=854.2

STA 11+38.6 50.3 LT
6-IN VALVE

STA 11+32.1 50.3 LT
5-IN HYDRANT ASSEMBLY

MIN T/P=854.1

MAX T/P
=852.5

STA 12+21.6 56.0 LT
16-IN X 6-IN TEE W/
16-IN MJ PLUG

STA 12+23.8 53.9 LT
6-IN VALVE

STA 12+32.2 45.5 LT
5-IN HYDRANT

STA 12+10.5 44.9 LT
16-IN X 16-IN TEE
ROLLED DOWN

STA 12+04.3 0.1 RT
16-IN X 16-IN TEE

STA 11+20.3 48.6 RT
16-IN X 8-IN TEE

DELECT UNDER SAN
MAX T/P=854.5

STA 10+98.5 59.2 RT
16-IN 90° BEND

STA 10+93.4 62.2 RT
16-IN VALVE

STA 10+88.2 65.2 RT
CUT-IN 16-IN X 14-IN REDUCER
CAP EX MAIN AT TEE (NORTH)

STA 11+02.3 65.6 RT
16-IN X 16IN TEE W/
16-IN MJ PLUG

STA 11+09.5 61.4 RT
16-IN 22.5° BEND

STA 11+36.4 76.0 RT
5-IN HYDRANT

STA 11+40.4 76.0 RT
6-IN VALVE

STA 11+43.4 94.0 RT
8-IN X 4-IN TEE W/
8-IN MJ PLUG

STA 11+46.5 5.5 RT
16-IN X 16-IN TEE

STA 11+46.5 10.5 RT
16-IN VALVE

STA 11+46.5 17.2 RT
16-IN 45° BEND

STA 11+43.4 69.1 RT
8-IN 45° BEND

STA 11+43.4 76.0 RT
8-IN X 6-IN TEE

STA 11+48.7 94.0 RT
4-IN X 4-IN LIVE TAP; CAP EX.
MAIN UPON ABANDONMENT

NOTE:
ABANDON EXISTING MAIN IN
PLACE EXCEPT WHERE CALLED TO
BE REMOVED OR WHERE RQ'D TO
INSTALL PROPOSED MAIN

NOTE:
\# STA 11+44.8 32.0 RT
CUT & CAP EX. 14-IN MAIN
AT TEE; USE 16"X14"
REDUCER IF R'QD

PRESSURE TEST TO 20-IN X 20-IN
TEE & 4-IN SVC. VALVE BEFORE
TYING IN 4-IN SERVICE & CUTTING
INTO 20-IN MAIN TO NORTH

MAX T/P=850.2
AT STORM

STA 14+71.3 63.6 LT
20-INX 20-IN TEE W/ PERM. PLUG
ON NW END; TEMP. PLUG ON NE
END FOR PRESSURE TEST

STA 14+71.3 59.6 LT
20-IN VALVE

STA 14+68.3 55.6 LT
6-IN VALVE

STA 14+71.3 55.6 LT
20-IN X 6-IN CROSS

STA 14+62.4 55.6 LT
5-IN HYDRANT

MAX T/P=850.5

STA 14+71.4 0.2 RT
20-IN X 16-IN CROSS

STA 14+90.3 67.6 LT
CUT-IN 20-IN VALVE

STA 14+90.4 63.6 LT
20-IN 90° BEND

STA 14+79.3 55.6 LT
4-IN VALVE

STA 14+92.7 55.6 LT
TIE INTO EX. 4-IN SVC

STA 14+76.3 55.6 LT
6-IN X 4-IN REDUCER

TYPE X

MAX T/P=846.5

FIELD PLACE (2) 20-IN 45°
BENDS TO RAISE MAIN &
MAINTAIN CLEARANCES

MAX. T/P =850.5

STA 14+71.4 57.5 RT
20-IN X 20-IN TEE
W/ 20-IN MJ PLUG

STA 14+92.4 57.5 RT
20-IN 90° BEND

STA 14+92.4 62.5 RT
CUT-IN 20-IN VALVE; CAP
MAIN AT PHASE LIMITS

MIN. T/P=851.5
OVER SAN

MATCHLINE STA 16+00.00

0709-144-0626-4
CORONA, LUCIA C
152 E JOHNSON ST

0709-133-5501-6
HEES, PHILIP K
303 N HAMILTON ST

0709-133-2201-5
NICHOLS STATION CDM ONRS
ASSC INC%RUSSELL H ENDRES
311 N HANCOCK ST

0709-144-1425-9
APEX INVESTMENT
GROUP VIII LLC
222 N HAMILTON ST

0709-133-2341-9
TZAKIS, DANNY A
301 E JOHNSON ST

0709-133-3207-2
KOTLINSKI, ANDREW J
219 N HAMILTON ST

0709-133-2340-1
305 E JOHNSON LLC
303 E JOHNSON ST

0709-133-2338-6
311 E JOHNSON LLC
331 E JOHNSON ST

0709-133-2337-8
317 E JOHNSON LLC
317 E JOHNSON ST

0709-133-2336-0
LILN, TIEN-MIN
& YUH-TZE CHERN
319 E JOHNSON ST

0709-133-2335-2
323 E JOHNSON LLC
% CHRISTOPHER
CULVER
323 E JOHNSON ST

0709-133-2106-7
MARTIN, BRUCE
A & SARA R
401 E JOHNSON ST

0709-133-2105-9
JOHNSON CURTIS LLC
403 E JOHNSON ST

0709-133-2104-1
LOFGREN
PROPERTIES 3 LLC
407 E JOHNSON ST

PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN DETAIL	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP1_DETAIL.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 40

MATCHLINE STA 16+00.00

MATCHLINE STA 22+00.00

4-IN SERVICE AT SW CORNER OF PROPERTY TO REMAIN SERVED BY EXISITNG 20-IN MAIN

0709-133-2201-5
NICHOLS STATION CDM ONRS
ASSC INC%RUSSELL H ENDRES
311 N HANCOCK ST

MAINTAIN MIN. 6-IN CLEARANCE OVER SAN.

STA 17+35.5 54.6 LT
CUT-IN 8-IN VALVE

3'-8"WM

STA 17+35.5 51.6 LT
8-IN 90° BEND

STA 17+54.4 0.2 RT
16-IN X 8-IN CROSS

STA 17+54.7 51.5 LT
8-IN X 8-IN TEE W/
8-IN MJ PLUG

FIELD PLACE (2) 8-IN
45° BENDS TO RAISE
MAIN TO STANDARD
BURY DEPTH

STA 17+54.4 2.8 LT
8-IN 90° BEND VERTICAL

STA 17+58.9 0.2 RT
16-IN X 12-IN REDUCER

WN6 WN10 WN8 WN8 WN6

8"W 20'-8"WM

52'-8"WM

35'-8"WM

12'-8"WM

MAX T/P =850.9 UNDER STM

284'-16"WM, C-C

312'-12"WM, R-C

261'-12"WM, C-T

3'-8"WM
5'-16"WM
16'-6"WM

STA 17+64.0 0.2 RT
12-IN VALVE

STA 17+70.5 34.7 RT
5-IN HYDRANT

STA 17+57.9 34.6 RT
6-IN VALVE

STA 17+54.9 34.6 RT
8-IN X 6-IN TEE

STA 17+55.0 45.9 RT
8-IN 90° BEND

MAINTAIN MIN. 6-IN
CLEARANCE OVER SAN

STA 17+35.1 45.9 RT
8-IN 90° BEND

STA 17+35.1 49.2 RT
CUT-IN 8-IN VALVE
CAP MAIN AT TRAFFIC
PHASE LIMIT

INSULATE WATER
LATERAL & STORM
CROSSING, TYP.

STA 17+14.8 0.2 RT
16-IN VALVE

STA 17+35.0 3.3 LT
CUT & CAP EX. 8-IN MAIN

RELOCATE LATERAL
TO AVOID CONFLECT
W/ STORM INLET

3'-8"WM

NOTE:
INSTALL FLUID THERMAL BACKFILL (SPECIAL) AT ATC (69KV) & WATER MAIN & NEW WATER SERVICE CROSSINGS. SEE MISC. QUANTITY SHEETS FOR LOCATIONS

NOTE:
ABANDON EXISTING MAIN IN PLACE EXCEPT WHERE CALLED TO BE REMOVED OR WHERE RQ'D TO INSTALL PROPOSED MAIN

STA 20+62.0 4.0 LT
CUT & CAP EX. 10-IN MAIN

STA 20+58.5 0.2 LT
12-IN VALVE

INSULATE, TYP.

STA 20+67.1 72.5 LT
10-IN X 4-IN TEE W/
10-IN MJ PLUG

STA 20+64.6 57.7 LT
6-IN VALVE

14'-6"WM

STA 20+53.5 57.3 LT
5-IN HYDRANT

KEEP SERVICES LIVE DURING CONSTRUCTION

15'-10"WM

57'-10"WM

43'-10"WM

T/P=847.0
OVER SAN MIN 6-IN
UNDER STM 18-IN

STA 20+63.7 50.0 RT
10-IN 45° BEND

STA 20+63.7 53.0 RT
CUT-IN 10-IN VALVE
CAP EX. MAIN AT
PHASE LIMITS

SERVED OFF
BLAIR ST

8'-4"WM

STA 20+74.9 72.7 LT
4-IN X 4-IN LIVE TAP

CAP EX. MAIN AT
ABANDONMENT

STA 20+67.6 57.8 LT
10-IN X 6-IN TEE

MAX T/P=847.7

STA 20+69.3 3.5 LT
10-IN VALVE

STA 20+69.4 0.5 LT
12-IN X 10-IN CROSS

MAX T/P=846.4

STA 20+69.4 42.4 RT
10-IN 45° BEND

11'-10"WM

3'-10"WM

INSULATE WATER
LATERAL & STORM
CROSSING, TYP.

N FRANKLIN ST

N BLAIR STREET

0709-133-1310-4
FOURTH LAKE III LLC
303 N FRANKLIN ST

0709-133-1311-3
COLEMAN, JUDITH A
506 E JOHNSON ST

0709-133-1312-1
PASDO, JEROME A
512 E JOHNSON ST

0709-133-1313-9
YEUNG, SONG Q
FAN JIANG
514 E JOHNSON ST

0709-133-1314-7
518 E JOHNSON LLC
518 E JOHNSON ST

0709-133-1315-5
FISHER, CLIFFORD
520 E JOHNSON ST

0709-133-1136-5
CITY ROW APARTMENTS LLC
602 E JOHNSON ST

0709-133-1412-9
PORCHLIGHT INC
519 E JOHNSON ST

0709-133-1413-7
INFUSINO, GIOVANNI A
517 E JOHNSON ST

0709-133-1414-5
TIEDEMAN, CHRISTOPHER E
515 E JOHNSON ST

0709-133-1415-3
SCHEIB INVESTMENT CORP
511 E JOHNSON ST

0709-133-1416-1
SEITZ TRUST, ROSE M
% RICHARD SEITZ
153 N FRANKLIN ST

0709-133-2101-7
LOFGREN PROPERTIES 3 LLC
415 E JOHNSON ST

0709-133-2102-5
LOFGREN PROPERTIES 3 LLC
411 E JOHNSON ST

0709-133-2103-3
LOFGREN PROPERTIES 3 LLC
409 E JOHNSON ST

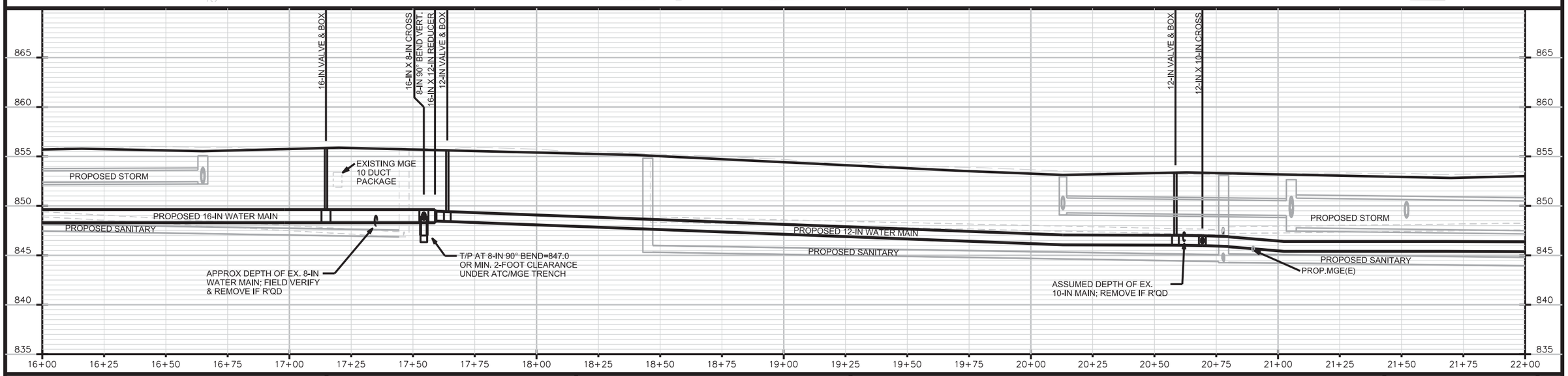
0709-133-2104-1
LOFGREN PROPERTIES 3 LLC
407 E JOHNSON ST

0709-133-1015-1
NEUMANN, JANE L
% OAKLAND PROP SVCS INC
601 E JOHNSON ST

0709-133-1014-3
FORRAND, RANDY L
605 E JOHNSON ST

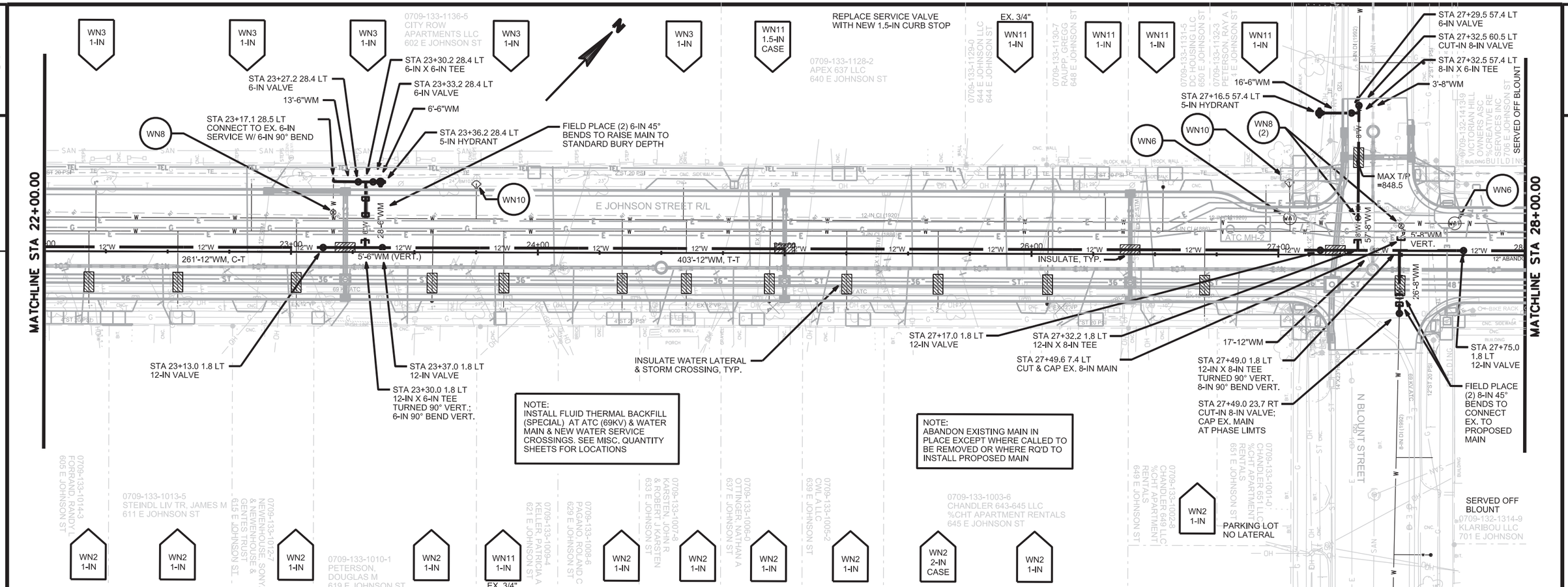
SERVED OFF FRANKLIN ST

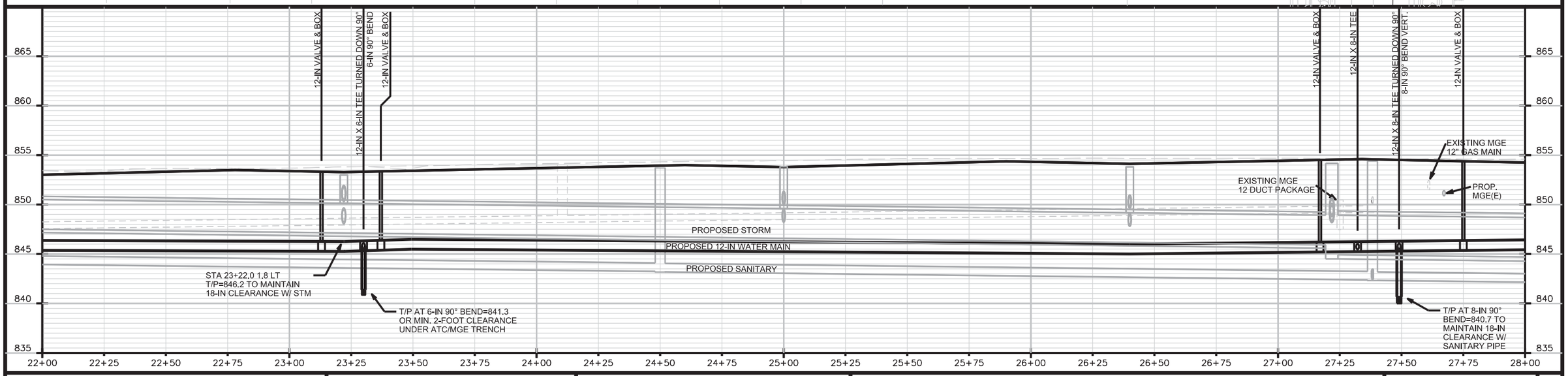
WN4 1-IN
WN11 1-IN
WN2 1-IN
WN3 1-IN



PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP2.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.





PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP3.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

MATCHLINE STA 28+00.00

MATCHLINE STA 34+00.00

SERVED OFF BLOUNT

SERVED OFF LIVINGSTON

WN3 3/4-IN

WN11 1-IN EX. 3/4"

WN10

WN6 (2)

WN6

WN8

0709-132-1413-9 VICTORIAN HILL OWNERS ASC %CREATIVE RE SERVICES INC 706 E JOHNSON ST

0709-132-1414-7 SILVER PLUME PROPERTIES LLC 708 E JOHNSON ST

0709-132-1415-5 SILVER PLUME PROPERTIES LLC 710 E JOHNSON ST

0709-132-1416-3 DEGEN LLC 714 E JOHNSON ST

0709-132-1417-1 KLUND, KELLY T 718 E JOHNSON ST

0709-132-1418-9 LUM, LYNN ANN & MAN YEE & ELEANOR LUM 720 E JOHNSON ST

0709-132-1419-7 LUM, LYNN ANN & MAN YEE & ELEANOR LUM 722 E JOHNSON ST

0709-132-1420-4 BALLWEG, RICHARD & JUDITH 728 E JOHNSON ST

0709-132-1421-2 VS OF MADISON LLP % WILLIAM E STANGER 730 E JOHNSON ST

0709-132-1422-0 JOHNSON, MITCH & LEAH JOHNSON 732 E JOHNSON ST

0709-132-1423-8 HEIDEN, REBECCA C/O OAKLAND PROPERTIES 736 E JOHNSON ST

0709-132-1424-6 PETERSON, RAY A 738 E JOHNSON ST

0709-132-1425-4 SUTER, JOHN M & STEVEN R 742 E JOHNSON ST

0709-132-1426-2 GUGGER, JACK E 744 E JOHNSON ST

0709-132-1427-0 NORMANDY PARTNERS LLC 302 N LIVINGSTON ST

0709-132-1313-1 KLARIBOU LLC 701 E JOHNSON ST

0709-132-1314-9 707/709 E JOHNSON LLC 707 E JOHNSON ST

0709-132-1412-3 711/713 E JOHNSON LLC 711 E JOHNSON ST

0709-132-1411-5 GRADY, MICHAEL J & LYNN M 717 E JOHNSON ST

0709-132-1417-1 GRADY, MICHAEL J & LYNN M 719 E JOHNSON ST

0709-132-1309-0 GRADY, MICHAEL J & LYNN M 725 E JOHNSON ST

0709-132-1308-2 APEX 727 LLC 727 E JOHNSON ST

0709-132-1307-4 GRADY, MICHAEL J & LYNN M 731 E JOHNSON ST

0709-132-1306-6 KRUGER, DENNIS R & EVELYN 733 E JOHNSON ST

0709-132-1305-8 KH III LLC 737 E JOHNSON ST

0709-132-1304-0 RZENTKOWSKI, LEE A 739 E JOHNSON ST

0709-132-1303-2 HASSELHOF, GERT SOEHNKE HASSELHOF 743 E JOHNSON ST

0709-132-1302-4 BETHEL OUTREACH INC 745 E JOHNSON ST

0709-132-1301-6 RCJ ENTERPRISES LLC 751 E JOHNSON ST

STA 30+55.0 1.8 LT 12-IN X 6-IN TEE

STA 30+50.0 1.8 LT 12-IN VALVE

STA 30+55.0 28.3 LT 5-IN HYDRANT ASSEMBLY

27"-6"WM

STA 30+60.0 1.8 LTSTA 12-IN VALVE

INSULATE, TYP.

307'-12"WM, T-T

330'-12"WM, T-T

INSULATE WATER LATERAL & STORM CROSSING, TYP.

STA 33+71.6 1.8 LT 12-IN 22.5° BEND

STA 33+76.1 52.0 LT 5-IN HYDRANT ASSEMBLY

FIELD PLACE (2) 10-IN 45° BENDS TO RAISE MAIN TO STANDARD BURY DEPTH

STA 33+94.5 58.0 LT CUT-IN 6-IN VALVE

STA 33+94.5 55.0 LT 6-IN 90° BEND

STA 33+89.5 55.0 LT 10-IN X 6-IN TEE W/ 10-IN MJ CAP

STA 33+89.5 52.0 LT 10-IN X 6-IN TEE

STA 33+81.5 52.0 LT 6-IN VALVE

STA 33+50.0 1.8 LT 12-IN VALVE

STA 33+79.9 1.8 LT 12-IN 22.5° BEND

STA 33+84.1 1.8 LT 12-IN X 10-IN TEE

5'-10"WM

STA 33+84.1 2.4 RT 10-IN VALVE REMOVE EX. TEE

INSTALL 6-IN MJ PLUG ON EX. TEE AT ABANDONMENT

STA 33+89.4 1.8 LT 12-IN X 10-IN TEE

14'-6"WM

3'-10"WM

5'-6"WM

3'-6"WM

5'-10"WM

6'-12" WM

E JOHNSON STREET R/L

N LIVINGSTON ST

NOTE:
ABANDON EXISTING MAIN IN PLACE EXCEPT WHERE CALLED TO BE REMOVED OR WHERE RQ'D TO INSTALL PROPOSED MAIN

12-IN VALVE & BOX

12-IN X 6-IN TEE

12-IN VALVE & BOX

12-IN VALVE & BOX

12-IN 22.5° BEND

12-IN 22.5° BEND

12-IN X 10-IN TEE

PROP.MG&E (E)

PROP. MG&E(E)

PROPOSED STORM

PROPOSED 12-IN WATER MAIN

PROPOSED SANITARY

SEE UTILITY SHEETS FOR SANITARY PLANS

T/P=840.0

860 855 850 845 840 835

28+00 28+25 28+50 28+75 29+00 29+25 29+50 29+75 30+00 30+25 30+50 30+75 31+00 31+25 31+50 31+75 32+00 32+25 32+50 32+75 33+00 33+25 33+50 33+75 34+00

PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP4.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

MATCHLINE STA 34+00.00

MATCHLINE STA 40+00.00

RELOCATE LATERAL TO AVOID TREE

WN6 (2)

STA 34+32.4 1.8 RT 12-IN VALVE

STA 34+21.7 1.8 RT 12-IN 22.5° BEND

STA 34+14.4 1.8 RT 12-IN 22.5° BEND

RELOCATE LATERAL TO AVOID TREE

STA 36+75.0 28.7 LT 5-IN HYDRANT

STA 36+75.0 5.9 LT 6-IN VALVE

27'-6"WM

WN10

STA 36+75.0 1.8 LT 12-IN X 6-IN TEE

STA 36+69.0 1.8 LT 12-IN VALVE

286'-12"WM, T-T

353'-12"WM, T-T

INSULATE, TYP.

INSULATE WATER LATERAL & STORM CROSSING, TYP.

SERVED OFF PATERSON

E JOHNSON STREET R/L

NOTE:
ABANDON EXISTING MAIN IN PLACE EXCEPT WHERE CALLED TO BE REMOVED OR WHERE RQ'D TO INSTALL PROPOSED MAIN

12-IN 22.5° BEND

12-IN 22.5° BEND

12-IN VALVE & BOX

12-IN VALVE & BOX

12-IN X 6-IN TEE

PROP. MGE (E)

PROPOSED STORM

PROPOSED 12-IN WATER MAIN

PROPOSED SANITARY

T/P=840.0

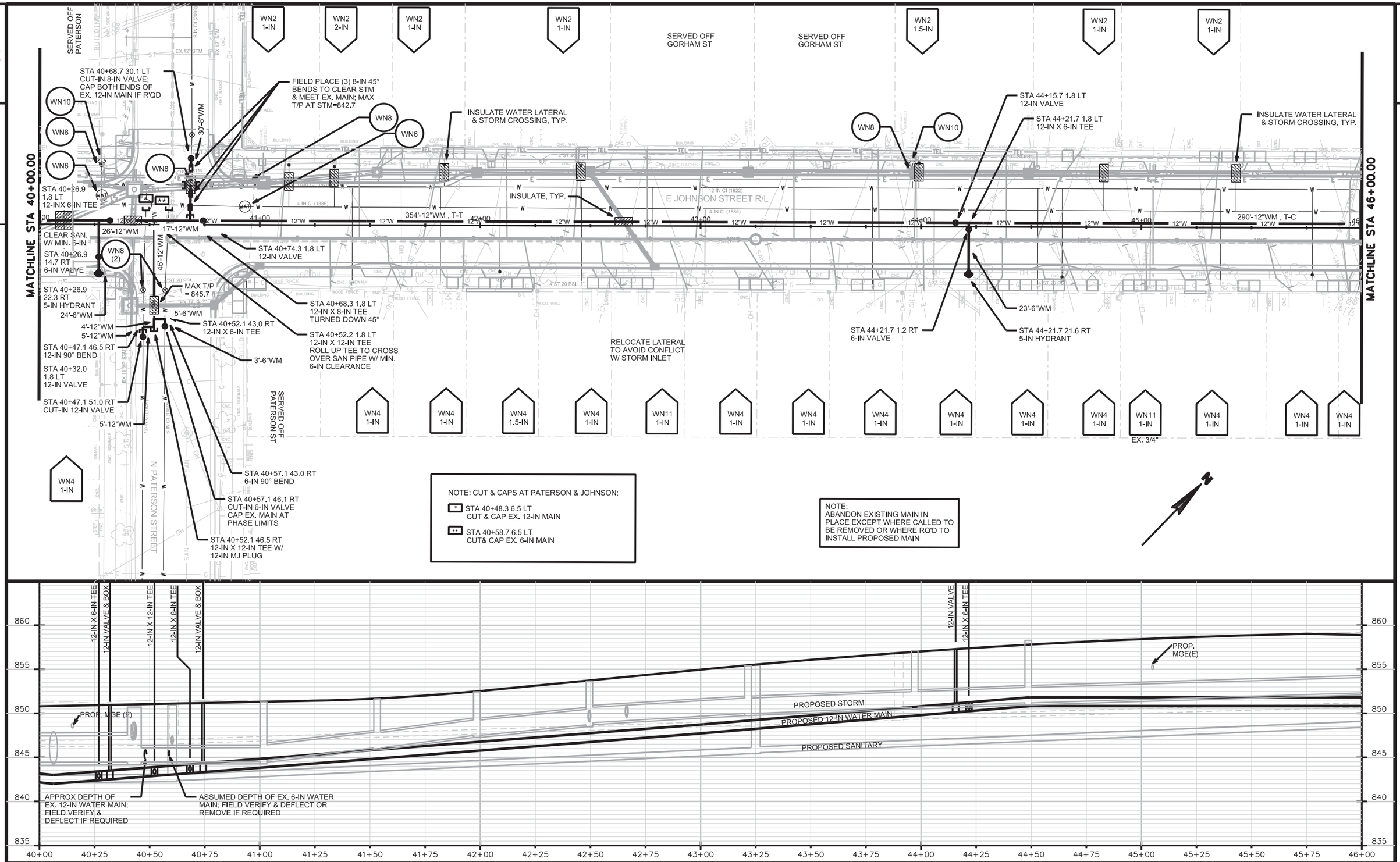
860
855
850
845
840
835

34+00 34+25 34+50 34+75 35+00 35+25 35+50 35+75 36+00 36+25 36+50 36+75 37+00 37+25 37+50 37+75 38+00 38+25 38+50 38+75 39+00 39+25 39+50 39+75 40+00

PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP5.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

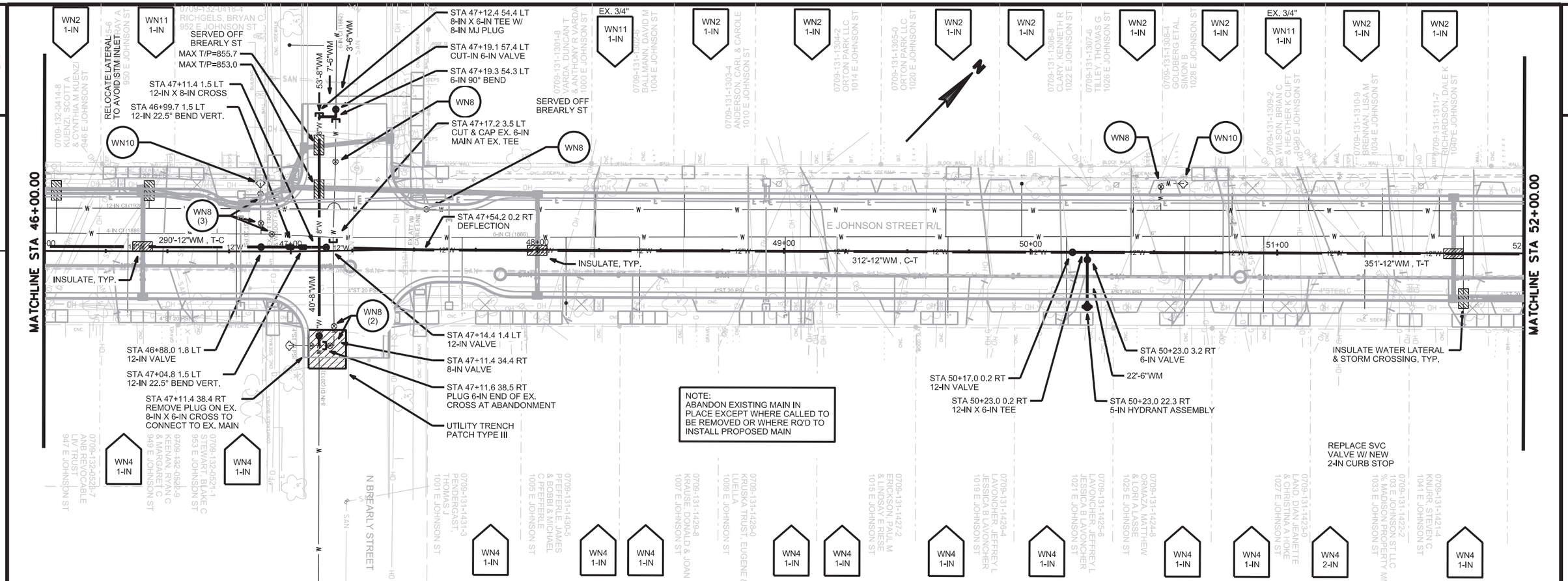
WISDOT/CADDS SHEET 40



PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET 125	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP6.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 40



PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP7.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

MATCHLINE STA 52+00.00

MATCHLINE STA 58+00.00

E JOHNSON STREET R/L

N INGERSOLL STREET

SERVED OFF INGERSOLL

SERVED OFF INGERSOLL

STA 53+60.0 53.3 LT
5-IN HYDRANT

STA 53+64.9 53.3 LT
6-IN VALVE

STA 53+74.0 56.3 LT
8-IN CUT-IN VALVE
CAP 12-IN MAIN AT
TEE (SOUTH) IF R'QD

STA 53+74.0 53.3 LT
8-IN X 6-IN TEE

3'-8"WM

14'-6"WM

WN10

WN8
(3)

MAX. T/P=850.9

WN8
(2)

STA 53+94.3 0.2 RT
12-IN X 8-IN TEE

351'-12"WM , T-T

INSULATE, TYP.

193'-12"WM , T-T

RELOCATE LATERAL
TO AVOID TREE

RELOCATE LATERAL TO
AVOID STORM INLET

STA 55+87.0 0.2 RT
12-IN X 6-IN TEE

STA 55+84.0 0.2 RT
12-IN VALVE

STA 55+87.0 3.2 RT
6-IN VALVE

WN10

WN8

418'-12"WM , T-T

53'-8"WM

STA 53+74.0 4.9 LT
8-IN VALVE

STA 53+74.0 0.2 RT
12-IN X 8-IN TEE

21'-12"WM

STA 53+99.3 0.2 RT
12-IN VALVE

3'-8"WM

STA 53+94.3 3.2 RT
CUT-IN 8-IN VALVE
CAP EX. MAIN AT
PHASE LIMITS

INSULATE WATER LATERAL
& STORM CROSSING, TYP.

22'-6"WM

STA 55+87.0 22.0 RT
5-IN HYDRANT

NOTE:
ABANDON EXISTING MAIN IN
PLACE EXCEPT WHERE CALLED TO
BE REMOVED OR WHERE RQ'D TO
INSTALL PROPOSED MAIN

RELOCATE LATERAL
TO AVOID SAN MH

EX. 3/4"

12-IN X 8-IN TEE

12-IN X 8-IN TEE

12-IN VALVE & BOX

12-IN VALVE & BOX

12-IN X 6-IN TEE

PROP.MGE(E)

EXISTING MGE
4" GAS MAIN

PROPOSED STORM

PROPOSED STORM

PROPOSED 12-IN WATER MAIN

PROPOSED SANITARY

PROP.
MGE(E)

APPROX DEPTH OF EX. 8-IN
MAIN; FIELD VERIFY AND
DEFLECT AS R'QD TO MEET

870
865
860
855
850
845
840

52+00 52+25 52+50 52+75 53+00 53+25 53+50 53+75 54+00 54+25 54+50 54+75 55+00 55+25 55+50 55+75 56+00 56+25 56+50 56+75 57+00 57+25 57+50 57+75 58+00

PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP8.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

WISDOT/CADDS SHEET 40

MATCHLINE STA 58+00.00

MATCHLINE STA 64+00.00

STA 60+40.9 38.8 LT
4-IN X 4-IN LIVE TAP

CUT & CAP EX. 4-IN MAIN UPON ABANDONMENT

SERVED OFF FEW STREET

STA 60+36.0 38.9 LT
8-IN X 4-IN TEE W/ 8-IN MJ PLUG

STA 60+35.9 35.2 LT
8-IN X 6-IN TEE

13'-6"WM

STA 60+27.7 35.2 LT
6-IN VALVE

STA 60+23.0 35.2 LT
5-IN HYDRANT

DEFLECT AS R'QD TO AVOID EX. WATER MAINS

STA 60+41.5 1.7 RT
12-IN VALVE

STA 60+53.4 1.9 RT
HORIZONTAL DEFLECTION

STA 61+00.5 5.8 RT
HORIZONTAL DEFLECTION

5'-4"WM

4'-8"WM

37'-8"WM

33'-8"WM

418'-12"WM , T-T

30'-12"WM , T-C

267'-12"WM , C-T

288'-12"WM , T-T

STA 60+01.7 1.1 RT
12-IN VALVE

STA 60+05.7 1.3 RT
12-IN X 6-IN TEE

STA 60+05.6 4.2 RT
6-IN VALVE

22'-6"WM

STA 60+05.4 23.3 RT
5-IN HYDRANT

STA 60+35.5 1.6 RT
12-IN X 8-IN CROSS

STA 60+35.0 34.1 RT
8-IN X 6-IN TEE W/ 8-IN MJ PLUG

STA 60+46.2 34.3 RT
6-IN 90° BEND

3'-6"WM

12'-6"WM

STA 60+46.1 37.3 RT
CUT-IN 6-IN VALVE
CAP EX. MAIN AT PHASE LIMITS

NOTE:
ABANDON EXISTING MAIN IN PLACE EXCEPT WHERE CALLED TO BE REMOVED OR WHERE RQ'D TO INSTALL PROPOSED MAIN

REPLACE SERVICE VALVE WITH NEW 2-IN CURB STOP

STA 62+92.8 6.3 RT
12-IN VALVE

STA 63+00.1 6.3 RT
12-IN X 6-IN TEE

STA 63+00.1 9.3 RT
6-IN VALVE

17'-6"WM

STA 63+00.0 22.4 RT
5-IN HYDRANT

N FEW STREET

E JOHNSON STREET RD

0709-131-1123-6
BUDZISZ, JEFFREY J
& OSCAR & KAREN SEIBEL
1140 E JOHNSON ST

0709-131-1124-4
HOLTER, KJERSTA K
1144 E JOHNSON ST

0709-131-1125-2
1150 E JOHNSON ST LLC
% MADISON PROP MNGMT
1150 E JOHNSON ST

0709-131-1126-0
DAN INVESTMENTS LLC
1152 E JOHNSON ST

0709-131-0404-1
RICHTER, CHERIE R
& CHRISTOPHER J RICHTER
1204 E JOHNSON ST

0709-131-0405-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
1208 E JOHNSON ST

0709-131-0406-7
DETTMAN, DAVID W
& PIYANUT
SRIPANAWONGSA
1212 E JOHNSON ST

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

0709-131-0501-5
APEX INVESTMENT GROUP VI LLC
221 N FEW ST

0709-131-0530-4
FATSIS, ARIS
& BETH L FATSIS
1215 E JOHNSON ST

0709-131-0529-7
MAGLI, SHERRY L
1217 E JOHNSON ST

0709-131-0528-9
OROSZ MARTIAL TR.
JANET S.
1221 E JOHNSON ST

0709-131-0527-1
MITCHELL, GENE R
& JANIS I ARNOVICH
1225 E JOHNSON ST

0709-131-0526-3
HAMMER, CLIFF GEORGE
& NICOLE MILLER
1229 E JOHNSON ST

0709-131-1021-2
DONNELLY, MICHAEL S
1141 E JOHNSON ST

0709-131-1022-0
DONNELLY, MICHAEL S
1143 E JOHNSON ST

0709-131-1020-4
BERTAGNOLI, CHRIS A
1145 E JOHNSON ST

0709-131-1019-7
GOLD, ALAN
& MARY LOU SNOWDEN
1151 E JOHNSON ST

SERVED OFF FEW STREET

SERVED OFF FEW STREET

WN2 1-IN

WN2 2-IN

WN4 1-IN

WN11 1-IN EX. 3/4"

WN8

WN8 (2)

WN8 (3)

WN10

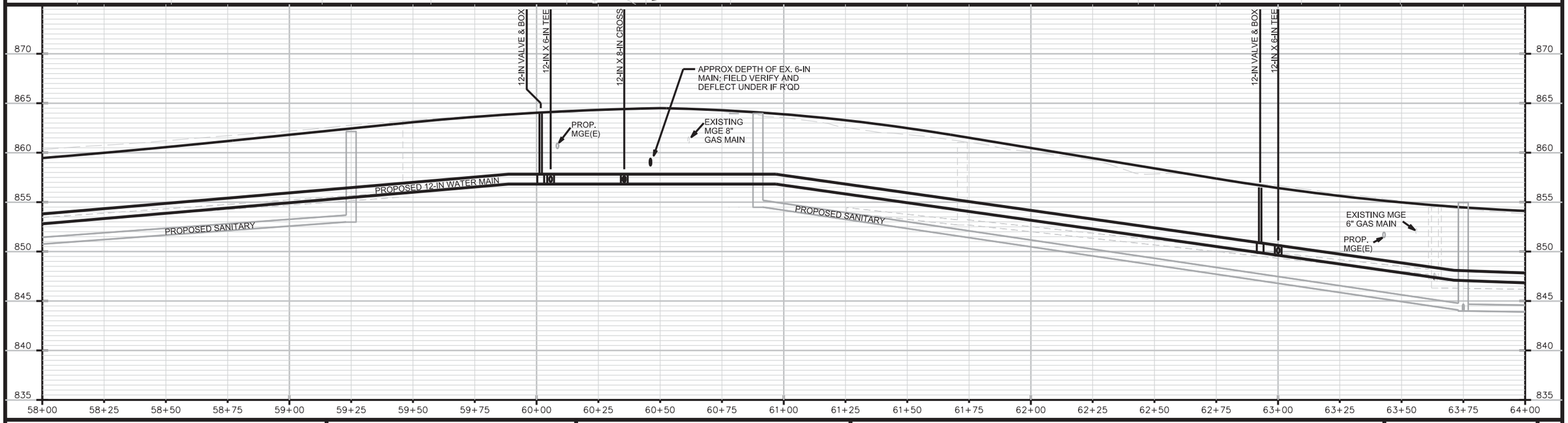
12-IN CI (1928)

6-IN CI (1882)

4-IN CI (1927)

4-IN CI (1958)

8"ST 60 PSI



PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET 128 E

2

MATCHLINE STA 64+00.00

STA 65+87.9 39.5 LT
8-IN X 6-IN TEE

STA 65+94.6 39.5 LT
6-IN 45° BEND

STA 65+97.3 42.0 LT
6-IN VALVE

STA 65+99.8 44.6 LT
5-IN HYDRANT

6'-8"WM

6'-6"WM

STA 65+80.4 50.3 LT
CUT-IN 6-IN VALVE

STA 65+84.2 46.4 LT
8-IN X 6-IN REDUCER

STA 65+87.9 42.5 LT
8-IN 45° BEND

3'-8"WM

8'-6"WM

7'-6"WM

WN8

47'-8"WM

INSULATE, TYP.

288'-12"WM , T-T

INSULATE WATER LATERAL
& STORM CROSSING, TYP.

STA 65+87.9 0.7 RT
8-IN VALVE

STA 65+87.9 7.4 RT
12-IN X 8-IN TEE

E JOHNSON STREET

62'-12"WM , T-T

STA 66+45.0 8.0 RT
12-IN VALVE

STA 66+50.0 8.0 RT
12-IN x 6-IN TEE

STA 66+50.0 11.0 RT
6-IN VALVE

STA 66+50.0 27.6 RT
5-IN HYDRANT

34'-12"WM , T-T

20'-6"WM

STA 66+83.8 7.2 RT
12-IN X 8-IN TEE

STA 66+91.9 7.1 RT
12-IN X 8-IN TEE

STA 66+91.9 10.6 RT
CUT-IN 8-IN VALVE

WN8

STA 66+83.4 13.7 LT
CUT-IN 8-IN VALVE; CAP IN
BOTH DIRECTIONS IF R'QD

WN8
(4)

21'-8"WM

147'-12"WM , T-T

3'-8"WM

8'-12"WM

WN10

WN8

STA 67+05.0 6.8 RT
12-IN VALVE & BOX

N BALDWIN STREET

NOTE:
ABANDON EXISTING MAIN IN
PLACE EXCEPT WHERE CALLED TO
BE REMOVED OR WHERE RQ'D TO
INSTALL PROPOSED MAIN

STA 68+37.8 14.6 LT
12-IN 90° BEND

STA 68+42.8 14.6 LT
CUT-IN 12-IN VALVE

5'-12"WM

19'-12"WM

8'-12"WM

3'-4"WM

3'-4"WM

10'-4"WM

STA 68+48.8 5.8 LT
4-IN 90° BEND

STA 68+48.8 4.0 RT
4-IN 90° BEND

STA 68+45.8 4.0 RT
12-IN X 4-IN REDUCER

STA 68+37.8 4.1 RT
12-IN X 12-IN TEE

STA 68+51.8 5.8 LT
CUT-IN 4-IN VALVE
CAP EX. 4-IN MAIN WEST
OF PROPOSED 12-IN MAIN

MARSTON AVENUE

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

HANSEN, ELLEN JO
305 BALDWIN ST

0709-124-0321-1
WINDER, TAYLOR J
223 N BALDWIN ST
SERVED OFF
BALDWIN ST

SERVED OFF BALDWIN ST

NO SEPERATE SERVICE

WN4 1-IN

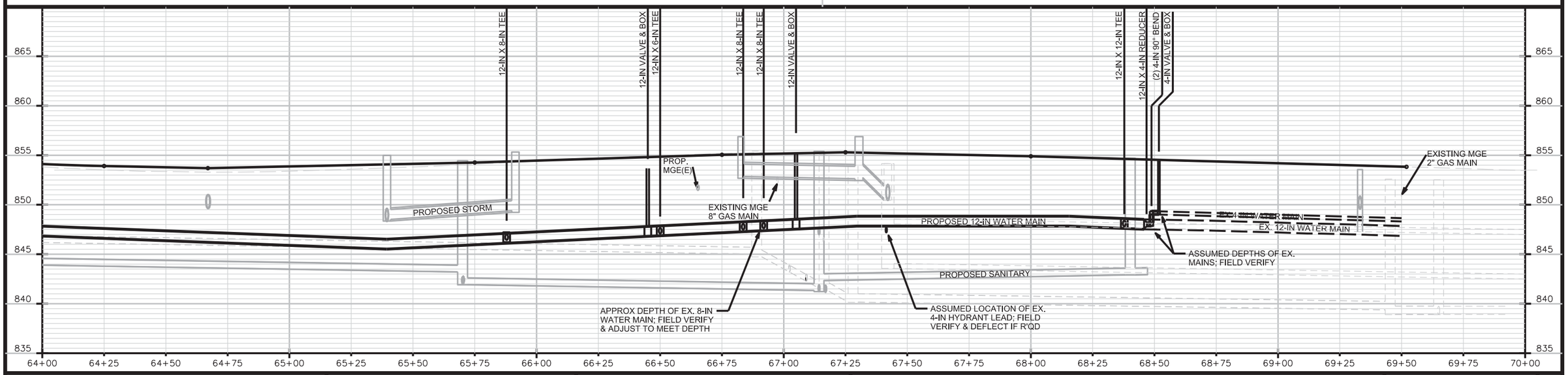
WN4 1-IN

WN4 1-IN

WN4 1-IN

WN4 1-IN

WN11 1-IN
EX. 3/4"



PROJECT NO: 5992-09-13	HWY: E JOHNSON STREET	COUNTY: DANE	WATER MAIN PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Water\Design\53W0740WU-PnP10.dgn PLOT DATE : 11/13/2013 PLOT BY : wukbm PLOT NAME : _____ PLOT SCALE : 39.9999 sf / in.

2

2

1-01 R10-11b 36"x 36" NO TURN ON RED

1-02 R8-NS-1LR NO STOPPING STANDING PARKING

1-03 1-04 R5-1 36" x 36" DO NOT ENTER

1-05 D4-1b-ThruArrow 30"x 24" PARKING

1-06 R6-2R 18" x 24" ONE WAY

1-07 R6-2L 18" x 24" ONE WAY

1-08 R10-11b 36"x 36" NO TURN ON RED

1-09 D4-1a-RT 30" x 24" PARKING

1-10 R6-2R 18"x 24" ONE WAY

1-11 R6-2L 18"x 24" ONE WAY

1-12 R6-2L 18" x 24" ONE WAY

1-13 R10-11b 36"x 36" NO TURN ON RED

1-14 R7-TLZ-1aL TRUCK LOADING ZONE MONDAY-FRIDAY 6AM-6PM

1-15 R7-PR-1dLR 2 HOUR PARKING 8 AM - 6 PM EX.SAT,SUN,&CITY HOL.

1-16 R7-NP-21bLR NO PARKING 8 AM - NOON FRIDAYS

1-17 R8-NS-1tzLR NO STOPPING STANDING PARKING TOW AWAY ZONE

2-07 R7-203m 12"x 18" ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY

1-18 R8-NS-1tzR NO STOPPING STANDING PARKING TOW AWAY ZONE

1-19 R7-NP-21bLR NO PARKING 8 AM - NOON FRIDAYS

1-20 R7-PR-1dLR 2 HOUR PARKING 8 AM - 6 PM EX.SAT,SUN,&CITY HOL.

1-21 R7-NP-21dLR NO PARKING 8 AM - NOON THURSDAYS

1-22 R8-NS-3tzLR NO STOPPING STANDING PARKING 3PM-5:30PM TOW AWAY ZONE

1-23 R7-NP-1R NO PARKING ANY TIME

1-24 OM2-2V 6"x 12"

1-25 R6-2R 18" x 24" ONE WAY

1-26 R1-9-MOD YIELD STATE LAW TO IN CROSSWALKS

1-27 R1-1 30"x 30" STOP

1-28 R6-2L 18" x 24" ONE WAY

1-29 OM2-1V 6"x12"

1-30 R1-1 30"x 30" STOP

1-31 R6-2L 18" x 24" ONE WAY

1-32 R6-2R 18" x 24" ONE WAY

1-33 R2-1 30"x36" SPEED LIMIT 25

1-34 R7-NP-1L NO PARKING ANY TIME

1-35 R2-1 30"x 36" SPEED LIMIT 25

1-36 R7-NP-21dLR NO PARKING 8 AM - NOON THURSDAYS

1-37 R8-NS-3tzLR NO STOPPING STANDING PARKING 3PM-5:30PM TOW AWAY ZONE

1-38 R7-PR-1dLR 2 HOUR PARKING 8 AM - 6 PM EX.SAT,SUN,&CITY HOL.

1-39 R7-NP-21bLR NO PARKING 8 AM - NOON FRIDAYS

2-01 BUS STOP

2-02 N Hamilton St D3-1

2-03 E Johnson St D3-1

2-04 N Butler St D3-1

2-05 R3-17b(MOD) 24"x 30" BIKE LANE

2-06 R7-203m 12" x 18" ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY

2-08 E Johnson St D3-1

2-09 N Hancock St D3-1

2-10 R7-203m 12"x 18" ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY

2-11 R3-17b (MOD) BIKE LANE

2-12 R7-203m 12"x 18" ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY

N BUTLER STREET

N HAMILTON STREET

E JOHNSON STREET R/L

HANCOCK

N HANCOCK STREET

HH1 HH2 HH3 HH4 HH5 HH6 HH7 HH8 HH9 HH10 HH11 HH12 HH13 HH14

L1 L2 L3 L4

11+00 12+00 13+00 14+00 15+00 16+00

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 130	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

1-40 NO PARKING 8 AM - NOON FRIDAYS R7-NP-21bLR

1-41 2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN & CITY HOL. R7-PR-1dLR

1-42 NO STOPPING STANDING PARKING 3PM-5:30PM EX. SAT, SUN & CITY HOL. TOW AWAY ZONE R8-NS-3tzLR

1-43 NO PARKING 8 AM - NOON THURSDAYS R7-NP-21dLR

1-44 NO PARKING ANY TIME R7-NP-1R

1-45 OM2-2V 6"x12"

1-46 ONE WAY R6-2L 24" x 30"

1-47 YIELD STATE LAW TO IN CROSSWALKS R1-9-MOD

1-48 STOP R1-1 30"x 30"

1-49 ONE WAY R6-2R 18" x 24"

1-50 ONE WAY R6-2L 24" x 30"

N Franklin St D3-1 2-14

E Johnson St D3-1 2-13

1-51 STOP R1-1 30"x 30"

1-52 ONE WAY R6-2R 18" x 24"

1-53 NO STOPPING STANDING PARKING TOW AWAY ZONE R8-NS-1tzLR

2-15 ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY R7-203m 12"x18"

3-1 TO 151 39 94 E Washington Ave

2-16 BIKE LANE R3-17b (MOD)

1-54 NO PARKING ANY TIME R7-NP-1L

1-55 TRUCK ROUTE R14-1 24"x18"

M6-1R 15"x21"

1-56 ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY R7-203m 12"x18"

2-17

1-57 ONLY R3-5R 30"x 36"

1-58 NO STOPPING STANDING PARKING TOW AWAY ZONE R8-NS-1tzLR

1-59 2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN & CITY HOL. R7-PR-1dLR

1-60 NO PARKING 8 AM - NOON FRIDAYS R7-NP-21bLR

1-61 TRUCK ROUTE R14-1 24"x18"

M6-1R 15"x21"

1-62

1-63 NO PARKING ANY TIME R7-NP-1R

1-64 NO STOPPING STANDING PARKING TOW AWAY ZONE R8-NS-1tzLR

1-65 TRUCK ROUTE R14-1 24"x18"

M6-1R 15"x21"

1-66

1-67 OM2-2V 6"x12"

1-68 ONE WAY R6-2L 18" x 24"

1-69 N Blair St D3-1(MOD)

1-70 ONE WAY R6-2R 24" x 30"

1-71 ONE WAY R6-2L 18" x 24"

2-19 E Johnson St D3-1

2-18 N Blair St D3-1

1-72 TRUCK ROUTE R14-1 24"x18"

M6-1R 15"x21"

1-73

2-20 BIKE LANE R3-17b (MOD)

1-74 NO PARKING ANY TIME R7-NP-1L

1-75 NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15 R7-NP-20elR

1-76 2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN & CITY HOL. R7-PR-1dLR

2-21 ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY R7-203m 12"x18"

1-77 BUS STOP R7-NP-22-aL

2-22 BUS STOP

1-78 NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15 R7-NP-20lLR

1-79 2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN & CITY HOL. R7-PR-1dLR

2-23 ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY R7-203m 12"x18"

HH15 HH16 HH17 HH18 HH18-1 HH19 HH20 HH21 HH22 HH23 HH24

L5 L6 L8 L9

12" ABANDONED WAT

E JOHNSON STREET R/L

N FRANKLIN STREET

N BLAIR STREET

17+00 18+00 19+00 20+00 21+00 22+00

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 131	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44

2

1-80
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT., SUN. & LEGAL HOL.
R7-PR-1dLR
1-81

1-84
NO PARKING HERE TO DRIVEWAY
R7-NP-8R

1-85
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT., SUN. & LEGAL HOL.
R7-PR-1dLR
1-86

1-91
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT., SUN. & LEGAL HOL.
R7-PR-1dLR
1-92

1-93
NO PARKING ANY TIME
R7-NP-1R

1-94
OM2-2V
6" x 12"

1-96
ONE WAY
R6-2L
18" x 24"

1-95
ONE WAY
R6-2R
18" x 24"

1-97
N Blount St
D3-1(MOD)

2-24
E Johnson St
D3-1

2-27
BIKE LANE
R3-17b(MOD)

NO STOPPING STANDING PARKING
R8-NS-1LR
1-103

HH25 HH28 HH29 HH30 HH31

23+00 24+00 E JOHNSON STREET R/L 25+00 26+00 27+00 28+00
12" ABANDONED WAT

HH26 HH27 HH32

BLOUNT

N BLOUNT STREET

1-82
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20tLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT., SUN. & LEGAL HOL.
R7-PR-1dLR
1-83

1-87
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20tLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT., SUN. & LEGAL HOL.
R7-PR-1dLR
1-88

1-90
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20tLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT., SUN. & LEGAL HOL.
R7-PR-1dLR
1-89

1-98
ONE WAY
R6-2L
18" x 24"

1-99
ONE WAY
R6-2R
18" x 24"

1-100
BUS STOP
R7-NP-22-aL

2-25
BUS STOP

1-102
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20tLR

1-101
2 HOUR PARKING 8 AM - 6 PM EX. SAT., SUN. & LEGAL HOL.
R7-PR-1dLR

2-26
ALTERNATE SIDE PARKING 1 AM - 7 AM DURING SNOW EMERGENCY
R7-203m
12" x 18"

PROJECT NO5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 132	E

2

2

1-104
NO STOPPING STANDING OR PARKING
R8-NS-1L
ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY
R7-203m 12" x 18"
2-28

1-105
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN, & LEGAL HOL.
R7-PR-1dLR
1-106

1-109
SPEED LIMIT 25
R2-1
30"x 36"

1-111
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN, & LEGAL HOL.
R7-PR-1dLR
1-112

1-115
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN, & LEGAL HOL.
R7-PR-1dLR
1-116

1-120
NO PARKING ANY TIME
R7-NP-1R

1-121
OM2-2V
6"x 12"

1-122
ONE WAY
R6-2R
18" x 24"

1-123
STOP
R1-1
30"x 30"

1-124
ONE WAY
R6-2L
18" x 24"

N Livingston St
D3-1
2-32

E Johnson St
D3-1
2-31

BIKE LANE
R3-17b(MOD)
2-30

1-131
NO PARKING ANY TIME
R7-NP-1L
ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY
R7-203m 12" x 18"
2-33

1-132
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SUN & OFF HOL.
R7-PR-1aLR
1-133

HH34
HH36
HH38
HH39
HH35
HH37
LIVINGSTON

29+00 30+00 31+00 32+00 33+00 34+00 35+00

1-107
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20tLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN, & LEGAL HOL.
R7-PR-1dLR
1-108

SPEED LIMIT 25
R2-1
30"x 36"
1-110

1-113
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20tLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN, & LEGAL HOL.
R7-PR-1dLR
1-114

1-117
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20tLR
2 HOUR PARKING 8 AM - 6 PM EX. SAT, SUN, & LEGAL HOL.
R7-PR-1dLR
1-118

BUS STOP
R7-NP-22-aL
1-119

BUS STOP
2-29

1-125
YIELD TO STATE LAW IN CROSSWALKS
R1-9-MOD

ONE WAY
R6-2L
18" x 24"
1-126

STOP
R1-1
30"x 30"
1-127

ONE WAY
R6-2R
18" x 24"
1-128

W5-52R
12" X 36"
1-129

1-130
NO PARKING ANY TIME
R7-NP-1L

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 133	E

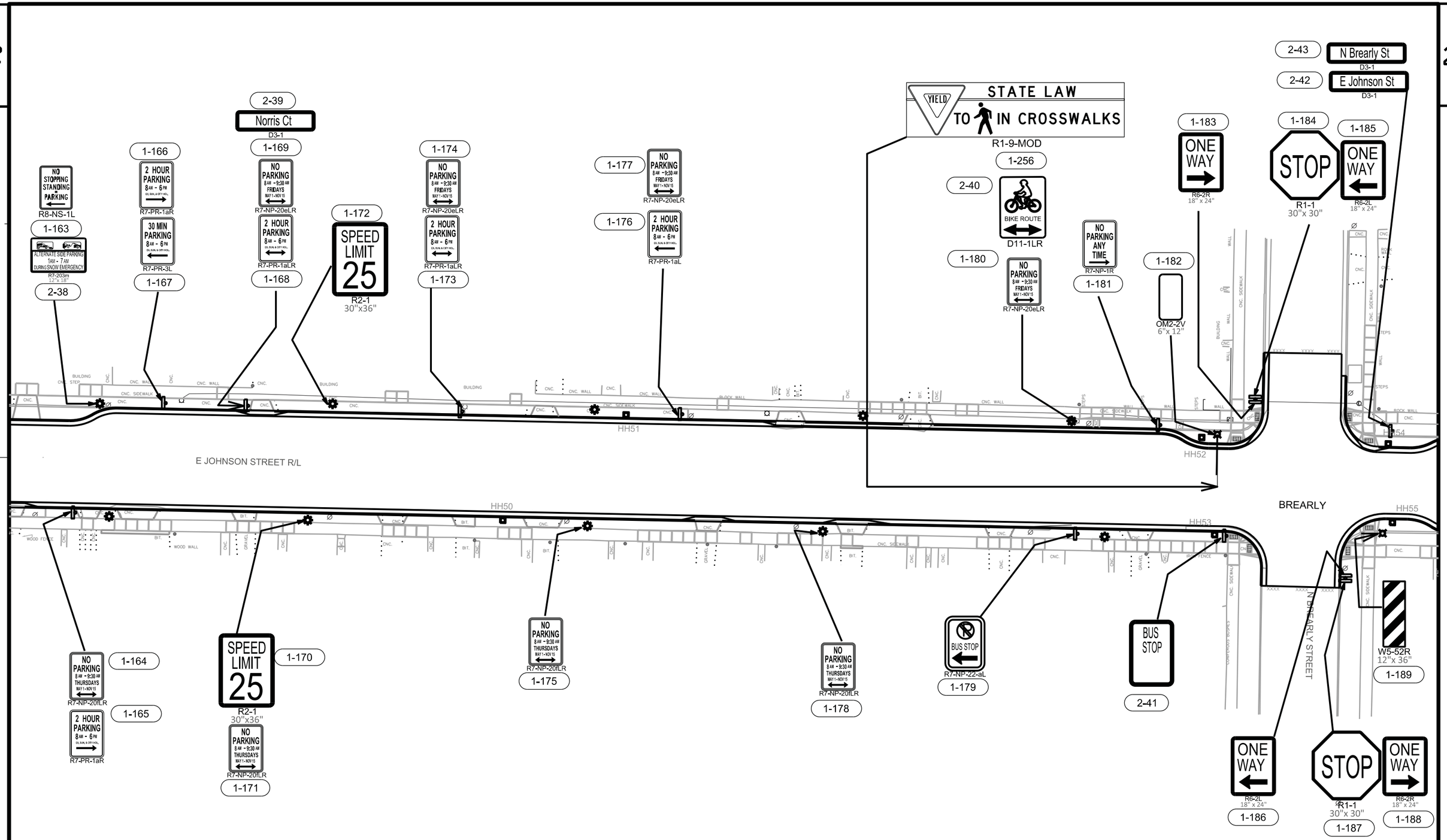
2

2

1-136
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
1-137
2 HOUR PARKING 8 AM - 6 PM EX. SUN. & CITY HOL.
R7-PR-1aLR
NO STOPPING STANDING PARKING
R8-NS-1R
1-140
1-143
NO STOPPING STANDING PARKING
R8-NS-1LR
NO STOPPING STANDING PARKING
R8-NS-1L
1-144
1-146
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR
2 HOUR PARKING 8 AM - 6 PM EX. SUN. & CITY HOL.
R7-PR-1aLR
1-147
1-150
NO PARKING Between Driveways
R7-NP-3
NO PARKING ANY TIME
R7-NP-1R
1-152
1-154
OM2-2V
6" x 12"
1-155
ONE WAY
R6-2R
18" x 24"
1-156
ONE WAY
R6-2L
18" x 24"
1-160
N Paterson St
D3-1(MOD)
2-37
BIKE LANE
R3-17b (MOD)
NO STOPPING STANDING PARKING
R8-NS-1LR
1-162
HH39-1
HH40
HH41
HH42
HH43
HH44
HH45
HH46
36+00
37+00
38+00
39+00
40+00
41+00
E JOHNSON STREET R/L
L10
L11
1-159
E Johnson St
D3-1(MOD)
PATERSON
N PATERSON STREET
1-134
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20flLR
1-135
2 HOUR PARKING 8 AM - 6 PM EX. SUN. & CITY HOL.
R7-PR-1aLR
2-34
ALTERNATE SIDE PARKING 1AM - 7AM DURING SNOW EMERGENCY
R7-203m
12" x 18"
1-138
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20flLR
1-139
FREIGHT LOADING ZONE 8AM-6PM EX SUN & CITY HOL.
R7-LZ-1aL
1-141
NO STOPPING STANDING PARKING
R8-NS-1L
YIELD
STATE LAW
TO IN CROSSWALKS
R1-9-MOD
1-215
NO STOPPING STANDING PARKING
R8-NS-1LR
1-142
1-145
NO STOPPING STANDING PARKING
R8-NS-1R
1-148
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20flLR
1-149
2 HOUR PARKING 8 AM - 6 PM EX. SUN. & CITY HOL.
R7-PR-1aLR
NO PARKING Between Driveways
R7-NP-3
1-151
FREIGHT LOADING ZONE 8AM-6PM EX SUN & CITY HOL.
R7-LZ-1aL
1-153
ONE WAY
R6-2L
18" x 24"
1-157
ONE WAY
R6-2R
18" x 24"
1-158
BUS STOP
R7-NP-22-aL
1-161
BUS STOP
2-36
ALTERNATE SIDE PARKING 1AM - 7AM DURING SNOW EMERGENCY
R7-203m
12" x 18"
2-35

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 134	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 135	E

2

2-44
BIKE LANE
R3-17b (MOD)

1-190
NO PARKING ANY TIME
R7-NP-1L

1-193
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY
R7-203m 12" x 18"

2-46

1-195
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

1-196
S1-1 30"x 30"

1-197
AHEAD
W16-9P 24"x 12"

1-198
FINES HIGHER
R2-6P 24"x 18"

1-203
SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-51 24"x 48"

1-205
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

1-206
NO PARKING ANY TIME
R7-NP-1R

1-209
OM2-2V 6"x 12"

1-210
ONE WAY
R6-2R 18" x 24"

1-211
ONE WAY
R6-2L 18" x 24"

CNC. SIDEWALK · BLOCK WALL · STEPS · BUILDING · GRAVEL · WIRE FENCE · WOOD SLAT

HH57 · HH59 · HH60 · HH64

48+00 · 49+00 · 50+00 · 51+00 · 52+00 · 53+00 · 54+00

L12 · L13

HH56 · HH58 · HH61 · HH62

INGERSOLL

1-191
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20fLR

1-192
NO PARKING ANY TIME
R7-NP-1LR

2-45
ALTERNATE SIDE PARKING 1AM - 7 AM DURING SNOW EMERGENCY
R7-203m 12" x 18"

1-194
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20fLR

1-199
S1-1 30"x 30"

1-200
AHEAD
W16-9P 24"x 12"

1-201
FINES HIGHER
R2-6P 24"x 18"

1-202
SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-51 24"x 48"

1-204
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20fLR

1-207
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20fLR

1-208
NO PARKING ANY TIME
R7-NP-1L

1-212
ONE WAY
R6-2R 18" x 24"

1-213
ONE WAY
R6-2L 18" x 24"

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 136	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

1-211
ONE WAY
R6-2L
18" x 24"

1-210
ONE WAY
R6-2R
18" x 24"

1-219
NO PARKING ANY TIME
R7-NP-1L

1-218
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

1-214
N Ingersoll St
D3-1(MOD)

1-222
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

1-221
END SCHOOL ZONE
S5-2
24"x 30"

1-227
SPEED LIMIT 25
R2-1
30"x36"

NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

1-228

1-229
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

1-232
NO PARKING ANY TIME
R7-NP-1R

1-231
NO PARKING 8 AM - 9:30 AM FRIDAYS MAY 1 - NOV 15
R7-NP-20eLR

HH64
HH65
HH67
HH63
HH66
HH62

54+00
55+00
56+00
57+00
58+00
59+00

INGERSOLL
JOHNSON STREET

CNC. SIDEWALK
WOOD WALL
CNC. WALL
GRAVEL
BIT.
CNC.
WOOD FENCE
CHAIN LINK

1-212
ONE WAY
R6-2R
18" x 24"

1-213
ONE WAY
R6-2L
18" x 24"

E Johnson St
D3-1
2-53

1-216
BUS STOP
R7-NP-22-aL

1-217
NO PARKING ANY TIME
R7-NP-1LR

2-47
BUS STOP

1-220
NO PARKING Between Driveways
R7-NP-3

1-224
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20fLR

1-223
END SCHOOL ZONE
S5-2
24"x 30"

1-225
SPEED LIMIT 25
R2-1
30"x36"

1-226
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20fLR

1-230
NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15
R7-NP-20fLR

1-233
BUS STOP
R7-NP-22-aL

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 137	E

2

1-236 STOP R1-1 30"x 30"

1-237 ONE WAY R6-2L 18" x 24"

1-235 ONE WAY R6-2R 18" x 24"

1-234 OM2-2V 6"x 12"

2-49 N Few St D3-1

E Johnson St D3-1

2-50

1-243 NO PARKING THIS SIDE R7-NP-17

1-245 NO PARKING THIS SIDE R7-NP-17

1-247 NO PARKING THIS SIDE R7-NP-17

1-248 LEFT LANE MUST TURN LEFT R3-7L 36"x 36"

NO PARKING THIS SIDE R7-NP-17

1-249

E GORHAM STREET

HH69 HH71 HH72 HH74

60+00 61+00 62+00 63+00 64+00 65+00 66+00

L14 L15

E JOHNSON STREET R/L

FEW

HH70 HH73

N FEW STREET

1-241 NO PARKING ANY TIME R7-NP-1L

1-242 OM2-2V 6"x 12"

1-244 NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15 R7-NP-20TLR

1-246 NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15 R7-NP-20TLR

2-51 BUS STOP

1-250 NO PARKING 8 AM - 9:30 AM THURSDAYS MAY 1 - NOV 15 R7-NP-20TLR

1-251 30 MIN PARKING 8 AM - 6 PM R7-PR-3L

1-253 NO STOPPING STANDING OR PARKING TOW AWAY ZONE R8-NS-1tzL

30 MIN PARKING 8 AM - 6 PM R7-PR-3R

1-252

1-254 NO STOPPING STANDING OR PARKING TOW AWAY ZONE R8-NS-1tzLR

2-48 BUS STOP

1-238 ONE WAY R6-2L 18" x 24"

1-239 STOP R1-1 30"x 30"

1-240 ONE WAY R6-2R 18" x 24"

STATE LAW YIELD TO IN CROSSWALKS R1-9-MOD

1-260

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 138	E

2

1-255
N Baldwin St
D3-1(MOD)

2-55
E Johnson St
D3-1

1-258
R3-4
36"x 36"

R4-7
24"x 30"
1-259

1-261
R3-4
36"x 36"

R4-7
24"x 30"
1-262

HH84
HH85
HH83
HH82
HH77
HH81
HH80
HH75
HH79
HH76
HH78

L16
L17
L18
L19
L20

MARSTON AVENUE
N BALDWIN STREET
BALDWIN

67+00
68+00
69+00
70+00

BUS STOP
2-52

NO PARKING ANY TIME
R7-NP-1LR
1-263

SPEED LIMIT 25
R2-1
30"x36"
1-264

SPEED LIMIT 25
R2-1
30"x36"
1-265

N Baldwin St
D3-1(MOD)
1-257

E Johnson St
D3-1
2-54

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 139	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

N BUTLER STREET

N HAMILTON STREET

E JOHNSON STREET R/L

0709-144-0505-0
GEBHART III, OTTO C
% MADISON PROP MGMT
304 N HAMILTON ST

0709-144-0626-4
CORONA, LUCIA C
152 E JOHNSON ST

0709-133-55
HEES, PHIL
303 N HAMI

0709-144-31425-9
APEX INVESTMENT
GROUP VIII LLC
222 N HAMILTON ST

0709-133-3207-2
KOTLINSKI, ANDREW J
219 N HAMILTON ST

0709-133-2341-9
TZAKIS, DANNY A
301 E JOHNSON ST

0709-133-2340-1
305 E JOHNSON LLC
303 E JOHNSON ST

0709-133-2338-6
311 E JOHNSON LLC
331 E JOHNSON ST

HH1 TS4 TS3 HH2 TS2 HH8 TS1 TC1 LC1 HH3 TS5 HH4 TS6 HH5 HH6 SL1766-1 LC1/6A HH7 TS7 HH9 SL1767 LC1/2A TS8 HH10 P587 LC1/1A P588 LC1/4M SL1766 LC1/6A SL5517 LC1/6A SL478 LC1/5A SL5516 LC1/5A

KEEP EXISTING BASE

CAUTION

POB 10+00.00

10+00 11+00 12+00 13+00

306.75' 216.88' 49.5' 66' 33' 66'

MATCHLINE STA 13+50.00

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

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

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 140	E

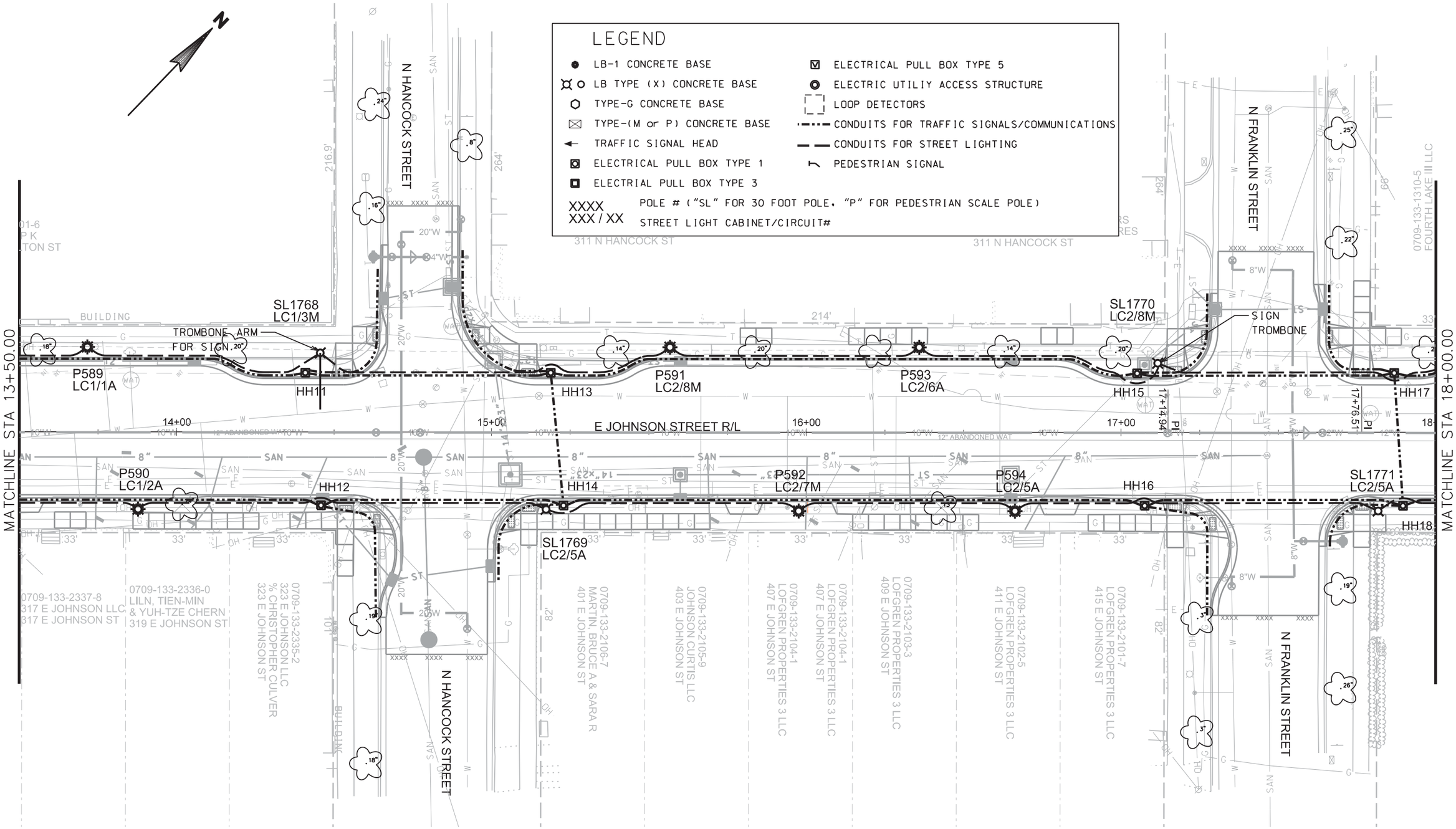
2

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX — STREET LIGHT CABINET/CIRCUIT#



11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 141	E

2

2

N

MATCHLINE STA 18+00.00

MATCHLINE STA 22+50.00

303 N FRANKLIN ST

0709-133-1311-3
COLEMAN, JUDITH A
506 E JOHNSON ST

0709-133-1312-1
PASDO, JEROME A
512 E JOHNSON ST

0709-133-1313-9
YEUNG, SONG Q
FAN JIANG
514 E JOHNSON ST

0709-133-1314-7
518 E JOHNSON LLC
518 E JOHNSON ST

0709-133-1315-5
FISHER, CLIFFORD D
520 E JOHNSON ST

0709-133-1136-5
CITY ROW APARTMENTS LLC
602 E JOHNSON ST

N BLAIR STREET

E JOHNSON STREET R/L

P595
LC2/6A

P596
LC2/7M

P597
LC2/8M

P598
LC2/5A

SL1773
LC2/6A

TS11

HH21

HH20

HH19

SB1

HH18-1

20 FT POLE WITH
TBONE FOR SIGN

SL1784
LC2/3M

HH22

P599
LC2/1A

TS12

HH24

HH23

TS9

TS10

TC2

LC2

SL1776
LC2/2A

P600
LC2/4M

0709-133-1416-1
SEITZ TRUST, ROSE M
% RICHARD SEITZ
153 N FRANKLIN ST

0709-133-1414-5
TIEDEMAN, CHRISTOPHER E
515 E JOHNSON ST

0709-133-1413-7
INFUSINO, GIOVANNI A
517 E JOHNSON ST

0709-133-1412-9
PORCHLIGHT INC
519 E JOHNSON ST

0709-133-1015-1
NEUMANN, JANE L
% OAKLAND PROP SVCS INC
601 E JOHNSON ST

0709-133-1014-3
FORRAND, RANDY L
605 E JOHNSON ST

0709-133-1014-3
FORRAND, RANDY L
605 E JOHNSON ST

LEGEND

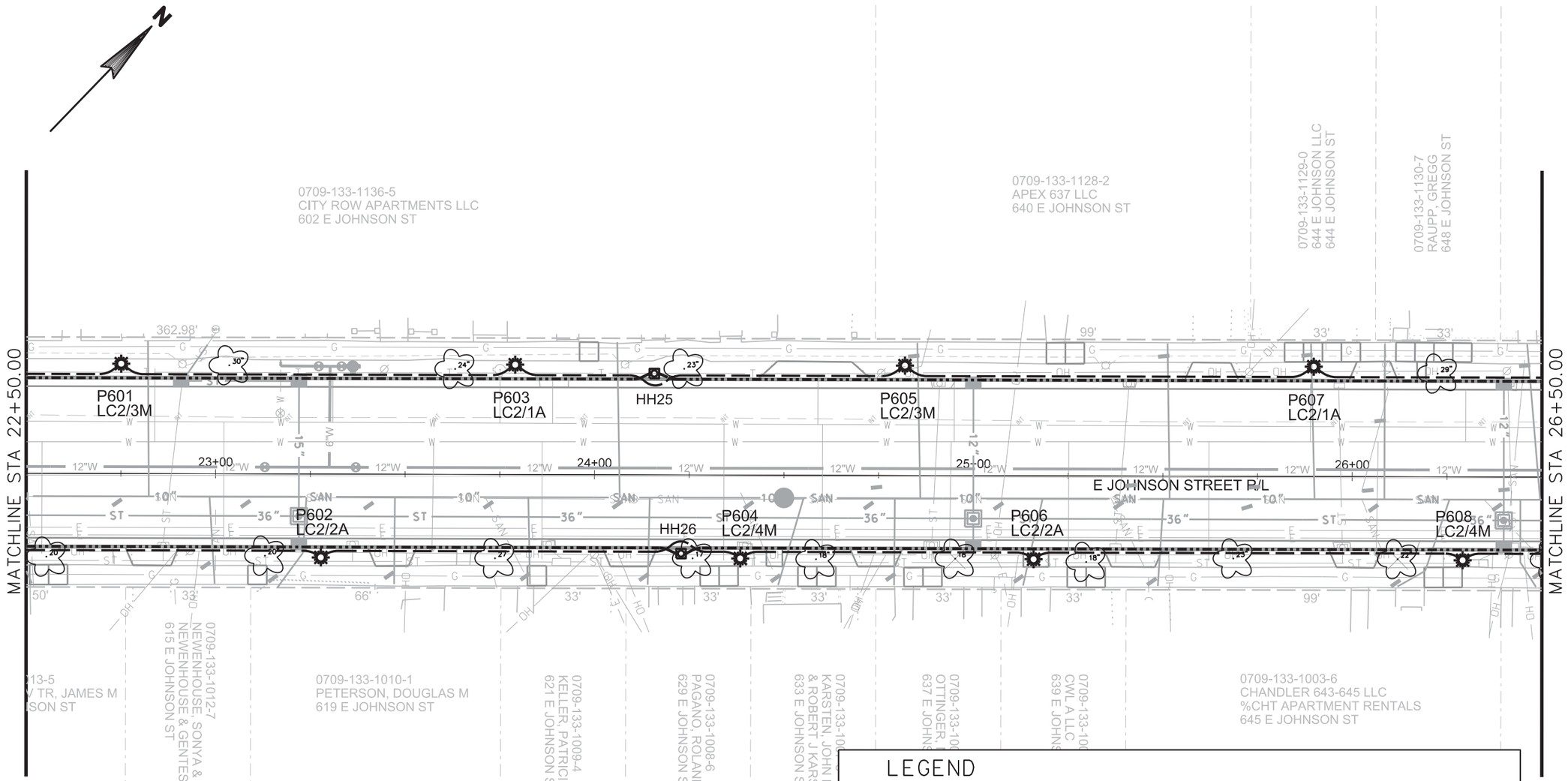
- LB-1 CONCRETE BASE
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS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

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

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 142	E

2



LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

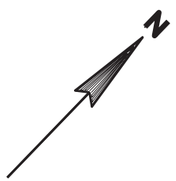
XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

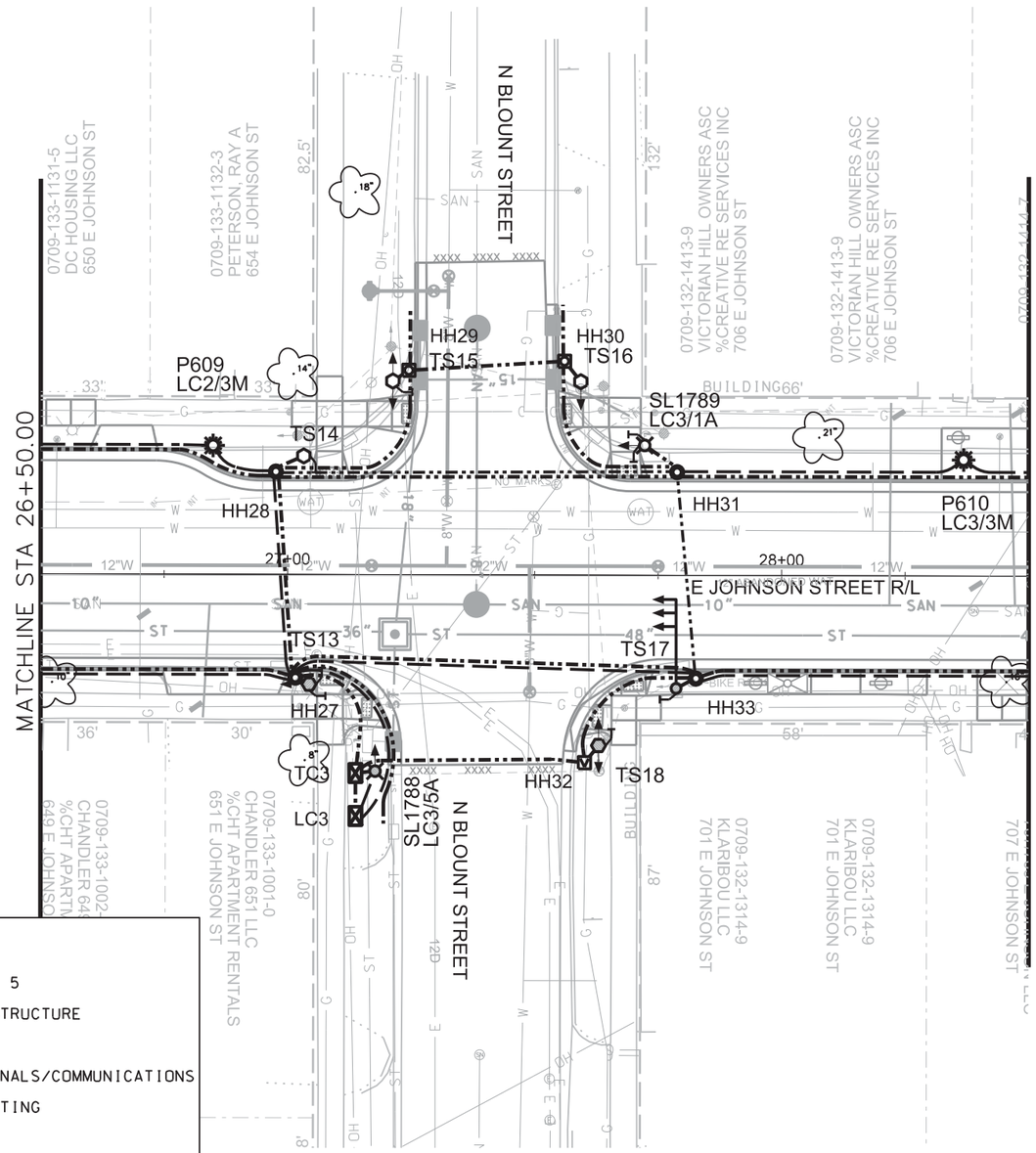
XXX/XX — STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 143	E

2





LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

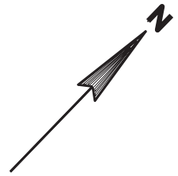
XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

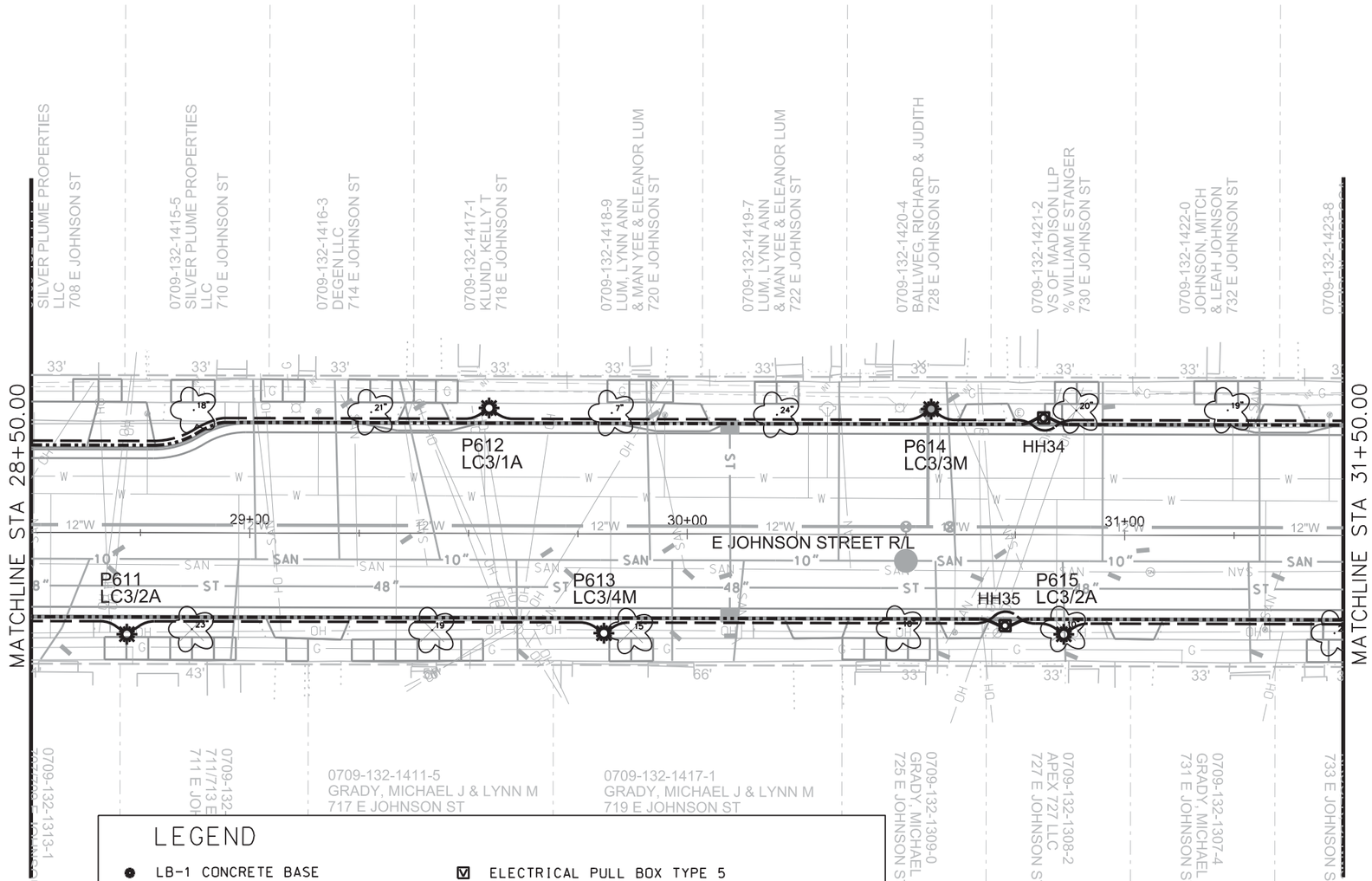
XXX/XX — STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 144	E

2





LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX/XX — STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 145 E

2

2

N

N LIVINGSTON STREET

E JOHNSON STREET R/L

MATCHLINE STA 31+50.00

MATCHLINE STA 36+00.00

P616
LC3/1A

P617
LC3/4M

P618
LC3/3M

P619
LC3/2A

SL1793
LC3/1A

HH36

HH37

HH38

HH39

P620
LC4/8M

P621
LC4/5A

SL1794
LC4/7M

0709-132-1426-2
GUGGER, JACK E
744 E JOHNSON ST

0709-132-1427-0
NORMANDY PARTNERS LLC
302 N LIVINGSTON ST

0709-132-0921-3
RETZLAFF, DANIEL J
301 N LIVINGSTON ST

0709-132-0922-1
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
808 E JOHNSON ST

0709-132-0923-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
812 E JOHNSON ST

0709-132-0924-7
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
814 E JOHNSON ST

0709-132-1424-6
PETERSON, RAY A
738 E JOHNSON ST

0709-132-1425-4
SUTER, JOHN M & STEVEN R
742 E JOHNSON ST

0709-132-1001-2
SCHUETT, NICHOLAS D
223 N LIVINGSTON ST

0709-132-1002-0
ORTON PARK LLC
221 N LIVINGSTON ST

0709-132-1003-8
SPRAGUE, JOHN L
% THE SPRAGUE CO
217 N LIVINGSTON ST

0709-132-1301-6
RCJ ENTERPRISES LLC
751 E JOHNSON ST

0709-132-1306-6
KRUGER, DENNIS P & EVELYN

0709-132-1037-7
JOHNSON INVESTMENTS OF
MADISON LLC
807 E JOHNSON ST

% MADISON PROPERTY MNGMT
815 E JOHNSON ST

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

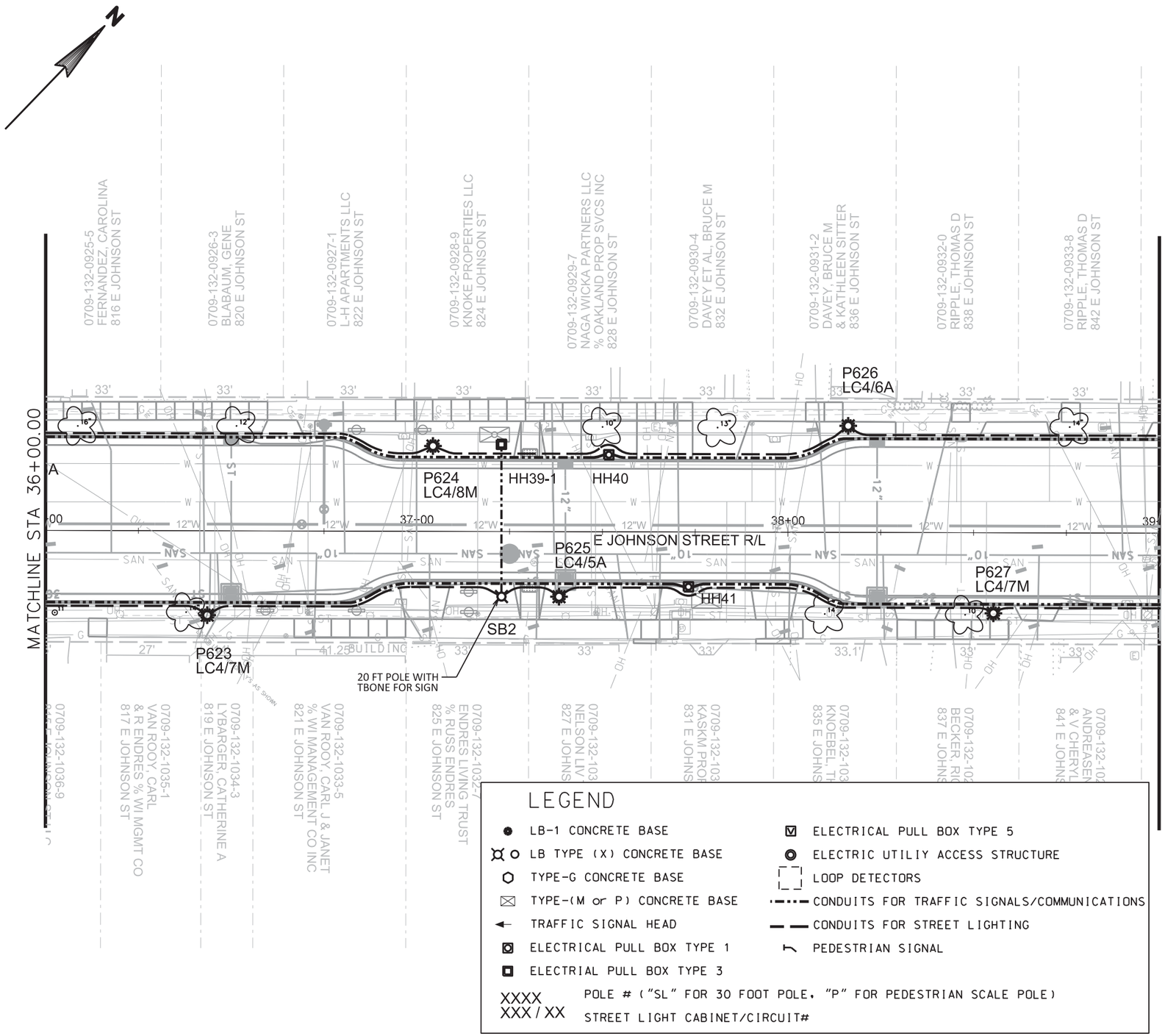
XXXX POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 146 E

2



LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

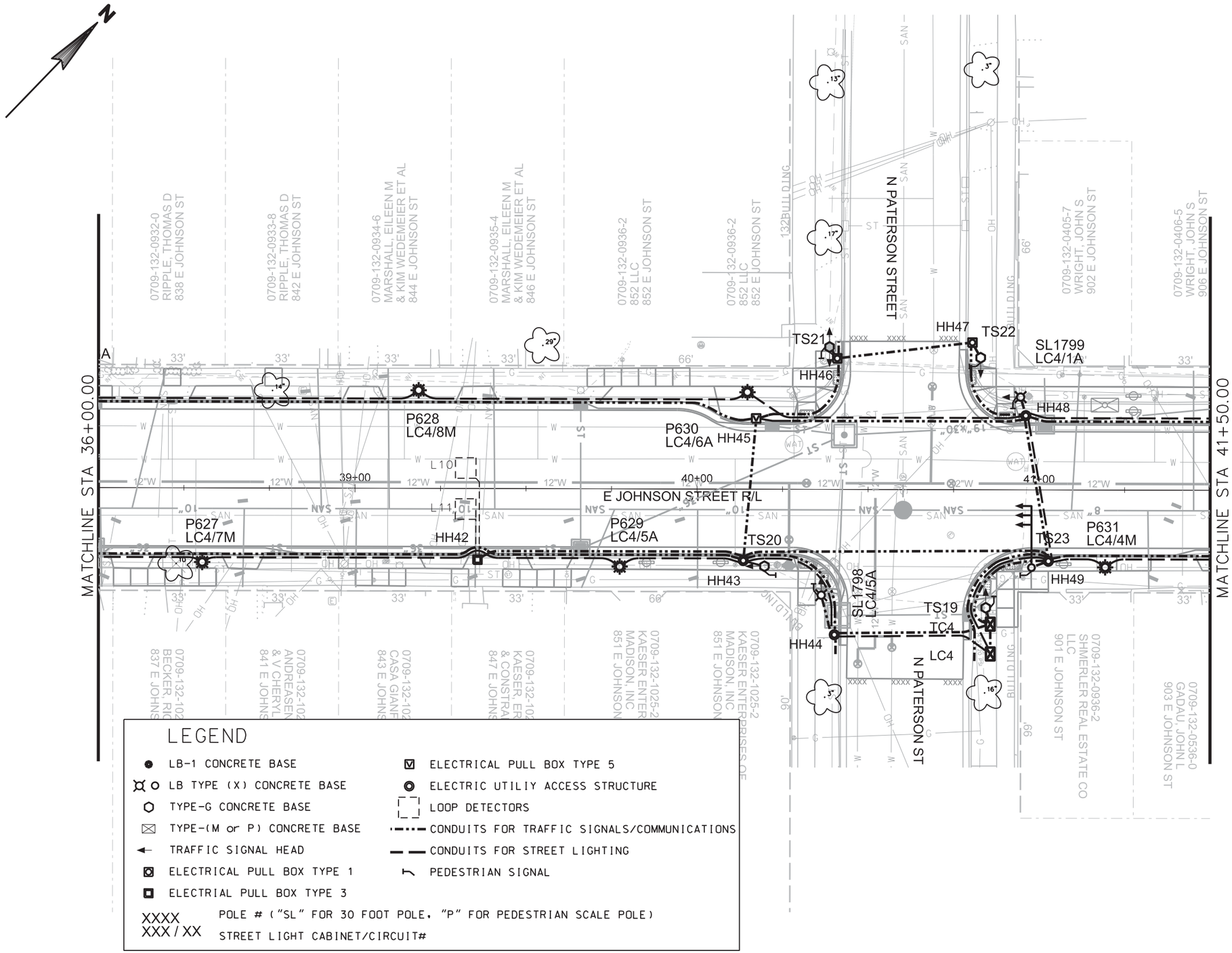
XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX — STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 147	E

2



LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX — STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 148	E

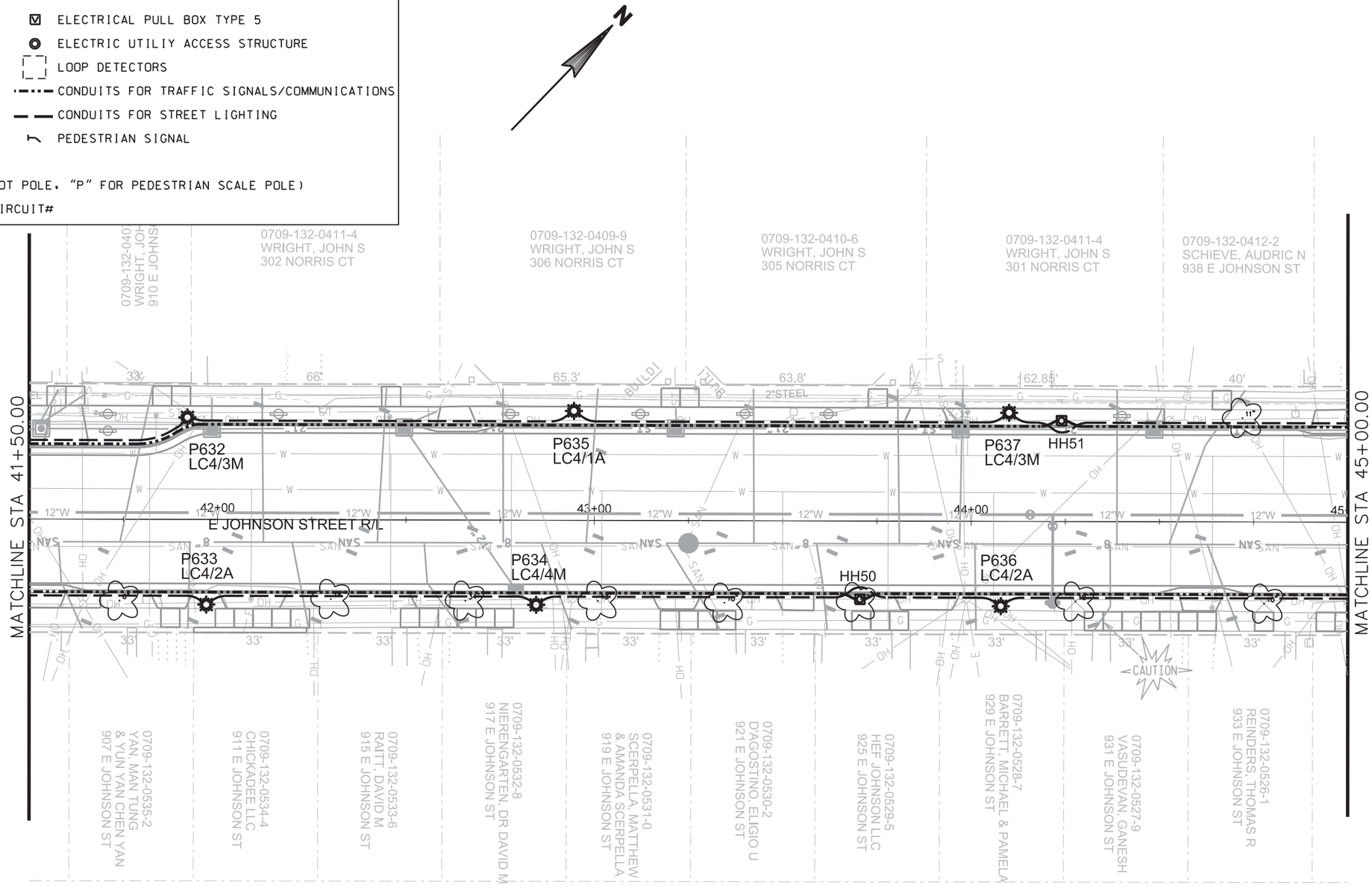
2

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX — STREET LIGHT CABINET/CIRCUIT#



11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 149 E

FILE NAME : M:\DESIGN\Projects\53W0740\Traffic\Design\Plan Sheets\53W0740TE-Plan Detail "8.dgn | PLOT DATE : 11/16/2013 | PLOT BY : engey | PLOT NAME : | PLOT SCALE : 30.0000 sf / in.

WISDOT/CADDS SHEET 42

2

2

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

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

MATCHLINE STA 45+00.00

MATCHLINE STA 49+50.00

N BREARLY STREET

E JOHNSON STREET R/L

P639 LC4/1A
P640 LC4/3M
HH52
SL1803 LC4/1A
HH54
P642 LC5/6A
P644 LC5/8M
SL1804 LC5/7M
HH55
P638 LC4/4M
P641 LC4/2A
HH53
P643 LC5/5A

0709-132-0413-0
UNAL, ORHAN
& CIGDEM UNAL
940 E JOHNSON ST

0709-132-0414-8
KUENZI, SCOTT A
& CYNTHIA M KUENZI
946 E JOHNSON ST

0709-132-0415-6
PETERSON, RAY A
950 E JOHNSON ST

0709-132-0416-4
RICHGELS, BRYAN C
952 E JOHNSON ST

0709-131-1301-8
VARDA, DUNCAN T
& ANTHONY R VARDA
1000 E JOHNSON ST

0709-131-1302-6
BALLMANN, DAVI
1004 E JOHNSON

0709-131-1303-4
ANDERSON, CAR
1010 E JOHNSON

0709-131-1304-2
ORTON PARK LL
1014 E JOHNSON

0709-132-0525-3
AIM HI LLC
941 E JOHNSON ST

0709-132-0524-5
NADOLNEY, LEE A
945 E JOHNSON ST

0709-132-0523-7
ANB REVOCABLE LIV TRUST
947 E JOHNSON ST

0709-132-0522-9
KEENAN, RYAN C
& MARGARET C KEENAN
949 E JOHNSON ST

0709-132-0521-1
STEWART, BLAKE C
953 E JOHNSON ST

0709-131-1431-3
PENDERGAST, THOMAS J
1001 E JOHNSON ST

0709-131-1430-5
PFEFFERLE, JAMES & BOBBI
& MICHAEL C PFEFFERLE
1005 E JOHNSON ST

0709-131-1429-8
KRAUSE, DONALD & JOAN
1007 E JOHNSON ST

0709-131-1428-0
KRUSKA TRUST, EUGENE &
LUELLA
1009 E JOHNSON ST

0709-131-1427-2
ERICKSON, PAUL M
& LINDSAY E RIESE
1015 E JOHNSON ST

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 150	E

2

2

N

MATCHLINE STA 49+50.00

MATCHLINE STA 53+00.00

0709-131-1305-0
ORTON PARK LLC
1020 E JOHNSON ST

0709-131-1306-8
CLARY, KENNETH R
1022 E JOHNSON ST

0709-131-1307-6
TILLEY, THOMAS G
1026 E JOHNSON ST

0709-131-1308-4
GOLDBERG ETAL, SIMON B
1028 E JOHNSON ST

0709-131-1309-2
WILSON, BRIAN C
& HEATHER K CLIFT
1030 E JOHNSON ST

0709-131-1310-9
BRENNAN, LISA M
1034 E JOHNSON ST

0709-131-1311-7
RICHARDSON, DALE K
1040 E JOHNSON ST

0709-131-1312-5
VAUGHAN, CHARLES T
& JENNIFER R VAUGHAN
1042 E JOHNSON ST

0709-131-1312-5
VAUGHAN, CHARLES T
& JENNIFER R VAUGHAN
1042 E JOHNSON ST

0709-131-1313-3
HETZEL, JOSEPH & DIANE
1046 E JOHNSON ST

0709-131-1314-1
KOHLHARDT, RANDALL J
1048 E JOHNSON ST

48.04' 33' 33' 33' 33' 33' 33' 33' 40' 45'

P646
LC5/6A

HH57

P648
LC5/8M

P650
LC5/6A

50+00 51+00 52+00 53+00

E JOHNSON STREET R/L

P645
LC5/7M

P647
LC5/5A

HH56

SB3

P649
LC5/7M

HH58

place monotube 25 foot for speed board

0709-131-1426-4
LAVONCHER, JEFFREY L
JESSICA B LAVONCHER
1019 E JOHNSON ST

0709-131-1425-6
LAVONCHER, JEFFREY L
JESSICA B LAVONCHER
1021 E JOHNSON ST

0709-131-1424-8
ORMAZA, MATTHEW
& LORI A LASSE
1025 E JOHNSON ST

0709-131-1423-0
LAND, DIAN JEANETTE
& CHRISTINA A HOKE
1027 E JOHNSON ST

0709-131-1
103 E JOH
% MADISO
1033 E JO

0709-131
KNURR,
1041 E J

0709-13
RETZLA
& JEFFR
1045 E J

0709-131-1
SPRAGUE
% THE SP
1047 E JO

0709-131-1
BARON INVESTMENTS VI LLP
% THE CHRISTENSEN CO
1049 E JOHNSON ST

LEGEND

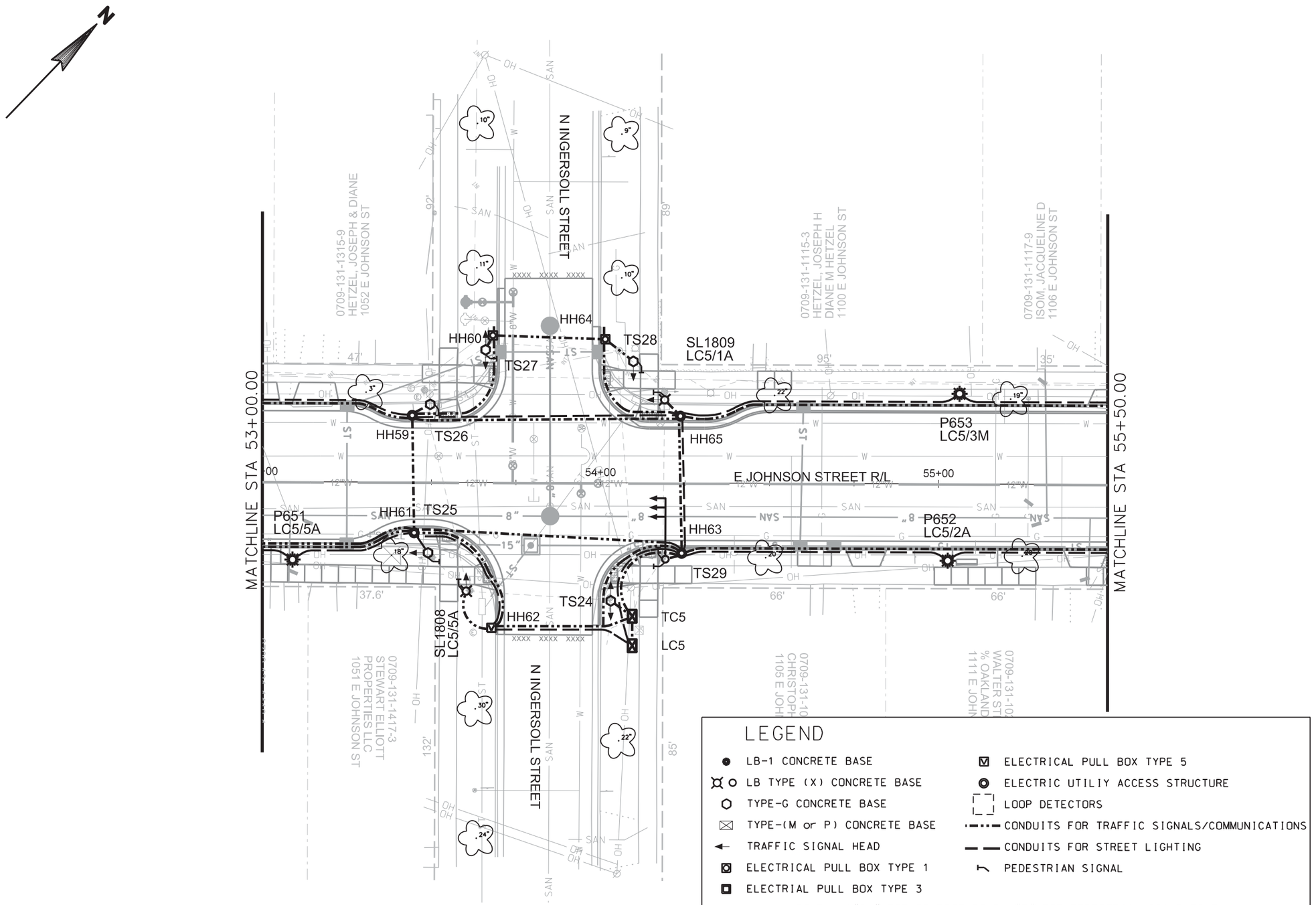
- LB-1 CONCRETE BASE
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS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

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

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 151	E

2



LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX — STREET LIGHT CABINET/CIRCUIT#

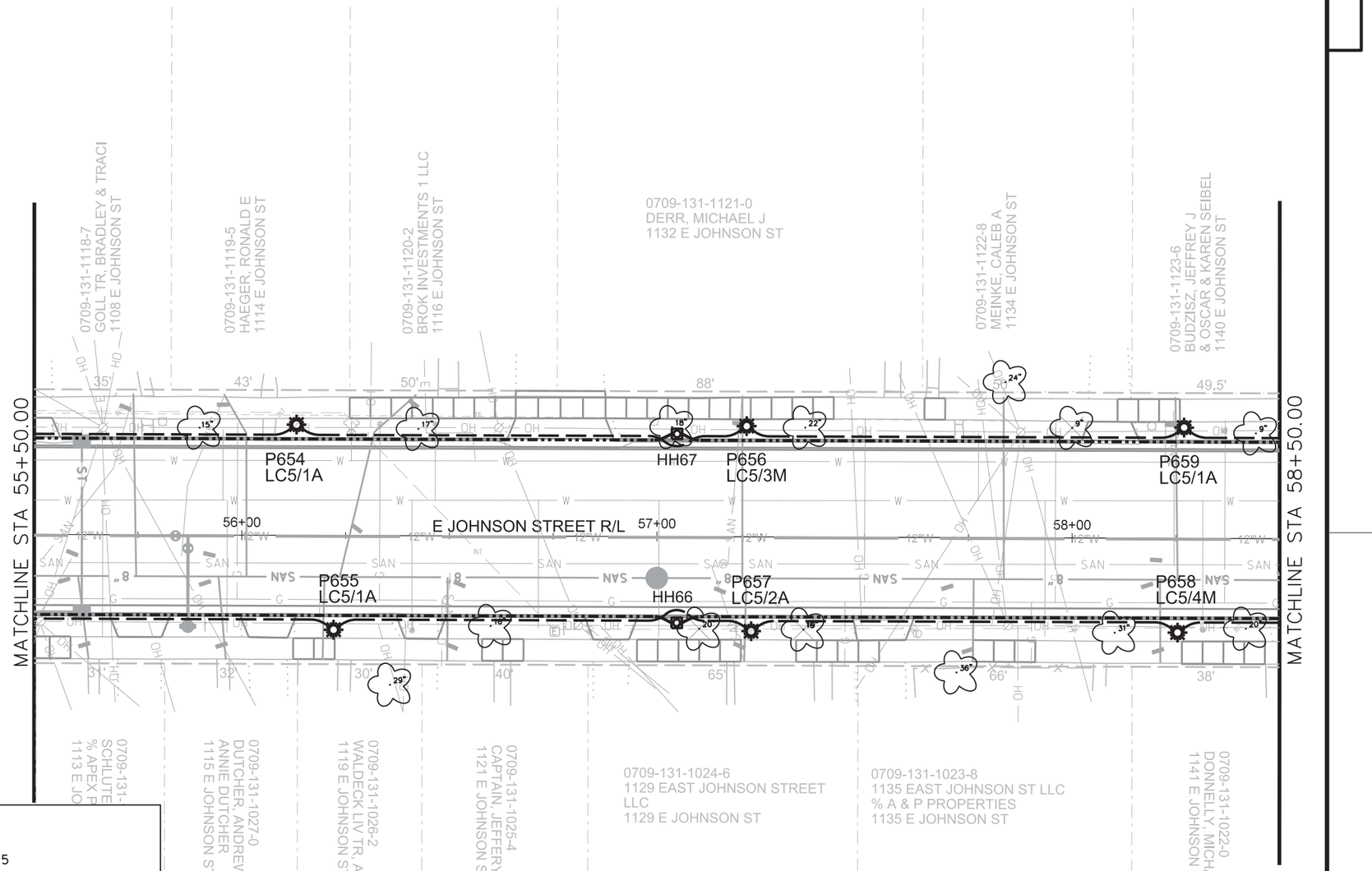
11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 152	E

2

2

N



LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

XXXX POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 153	E

2

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

XXXX — POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX / XX — STREET LIGHT CABINET/CIRCUIT#

MATCHLINE STA 58+50.00

MATCHLINE STA 63+00.00

N FEW STREET

E JOHNSON STREET R/L

EXISTING LIGHT POLE TO REMAIN

P660
LC5/3M

SL1813
LC5/1A

HH69

HH71

P662
LC6/6A

P664
LC6/8M

P661
LC5/2A

SB7

HH68

HH70

SL1814
LC6/7M

P663
LC6/5A

0709-131-1124-4
HOLTER, KJERSTA K
1144 E JOHNSON ST

0709-131-1125-2
1150 EAST JOHNSON STREET
LLC % MADISON PROP MNGMT
1150 E JOHNSON ST

0709-131-1126-0
DAY INVESTMENTS LLC
1152 E JOHNSON ST

0709-131-0404-1
RICHTER, CHER
& CHRISTOPHE
1204 E JOHNSON ST

0709-131-0405-
RETZLAFF, DA
& JEFFREY A R
1208 E JOHNSO

0709-131-0406-7
DETTMAN, DAVID
& PIYANUT SRIPA
1212 E JOHNSON

0709-
CITY
1225

0709-131-1021-2
DONNELLY, MICHAEL S
1143 E JOHNSON ST

0709-131-1020-4
BERTAGNOLI, CHRIS A
1145 E JOHNSON ST

0709-131-1019-7
GOLD, ALAN
MARY LOU SNOWDEN
1151 E JOHNSON ST

0709-131-0501-5
APEX INVESTMENT GROUP VI
LLC
221 N FEW ST

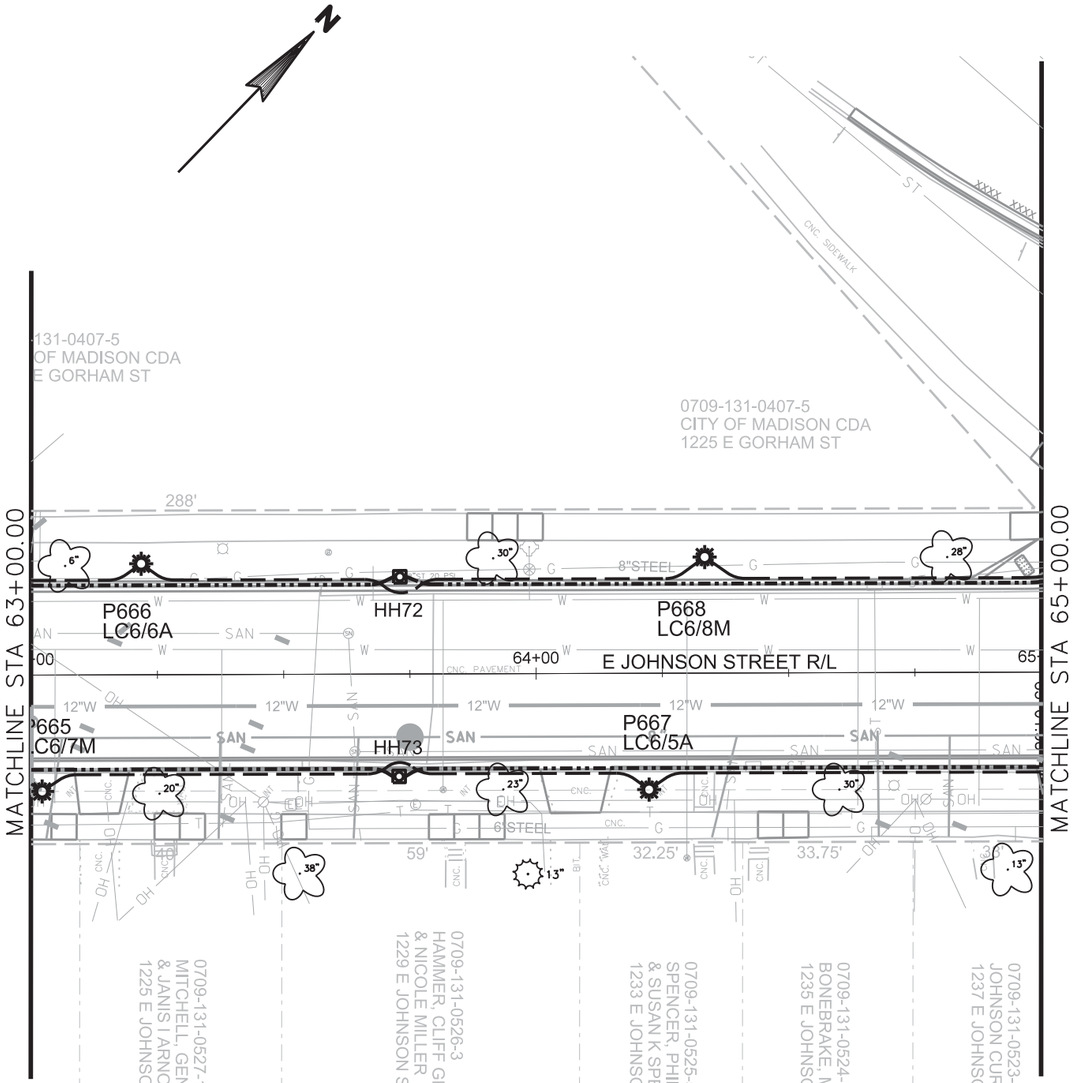
0709-131-0530-4
FATSIS, ARIS
& BETH L FATSIS
1215 E JOHNSON ST

0709-131-0529-7
MAGLI, SHERRY L
1217 E JOHNSON ST

0709-131-0528-9
OROSZ MARITAL TR, JANET S
1221 E JOHNSON ST

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 154	E



LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

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

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 155	E

2

2

EXISTING LOOPS

MARSTON AVENUE

E GORHAM STREET

E JOHNSON STREET R/L

N BALDWIN STREET

0709-124-0618-3
CITY OF MADISON CDA
302 N BALDWIN ST

0709-124-0431-9
HANSEN, ELLEN JO
305 BALDWIN ST

0709-124-0432-7
SOMERFELD, WARREN O
& JANICE D SOMERFELD
306 MARSTON AVE

0709-131-0522-1
MCDERMOTT, PATRICK A
LADINE L MCDERMOTT
1239 E JOHNSON ST

0709-131-0521-3
HALLWINTHER PROPERTIES
LLC
1247 E JOHNSON ST

0709-131-0520-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1251 E JOHNSON ST

0709-131-0519-8
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1257 E JOHNSON ST

0709-131-0518-0
BACKUS, KENNETH
1259 E JOHNSON ST

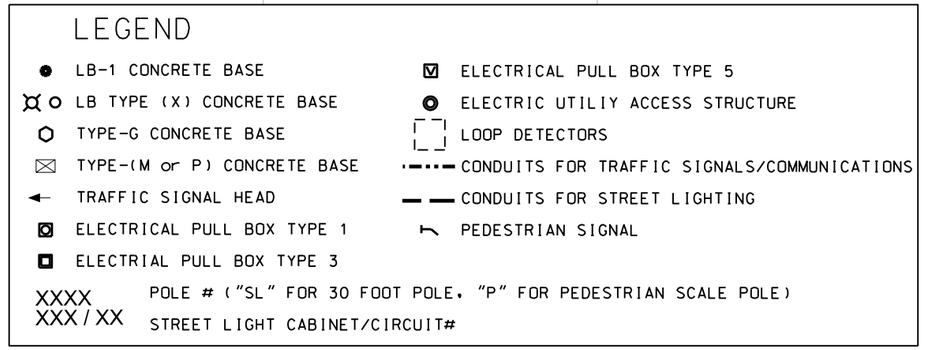
0709-124-0309-8
BERGERSEN, GUNNAR A
1319 E JOHNSON ST

MATCHLINE STA 65+00.00

TS35
HH84
TS34
HH85
TS33
HH83
SL3978
LC6/1A
TS36
HH82
HH77
8M
SL3982
LC6/6A/8M
6A
SL3977
LC6/1A/3M
HH80
HH81
SB4
20 FT POLE WITH
TBONE FOR SIGN
HH74
P670
LC6/6A
P669
LC6/7M
P671
LC6/5A
HH75
HH79
TS32
SL3979
LC6/5A
TS30 TC6 LC6
TS31
HH76
HH78

L14 L15 L16 L17 L18 L19 L20

66+00 67+00 68+00 69+00



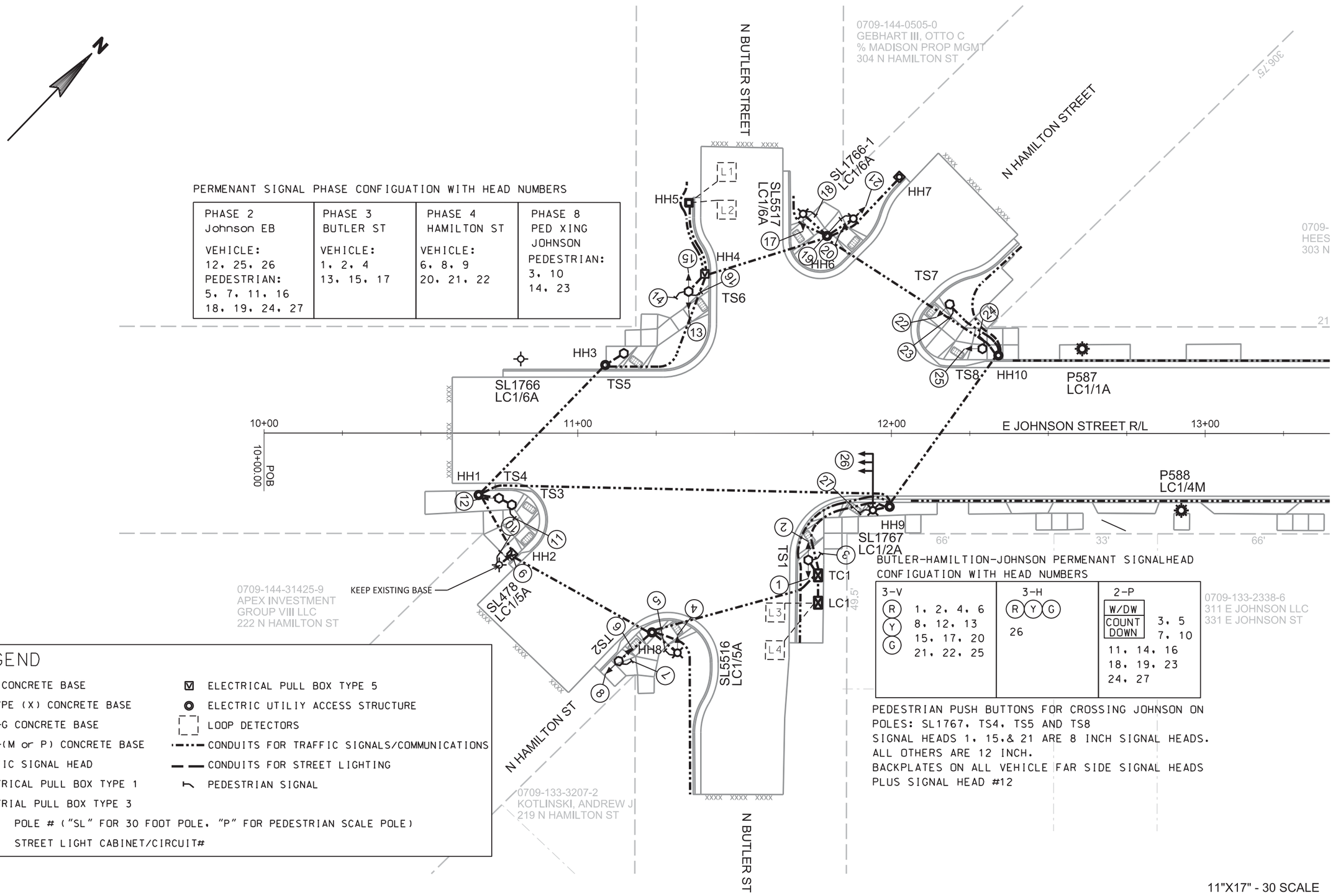
11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN	SHEET 156	E

2

PERMENANT SIGNAL PHASE CONFIGUATION WITH HEAD NUMBERS

PHASE 2	PHASE 3	PHASE 4	PHASE 8
Johnson EB	BUTLER ST	HAMILTON ST	PED XING JOHNSON
VEHICLE: 12, 25, 26	VEHICLE: 1, 2, 4 13, 15, 17	VEHICLE: 6, 8, 9 20, 21, 22	PEDESTRIAN: 3, 10 14, 23
PEDESTRIAN: 5, 7, 11, 16 18, 19, 24, 27			



BUTLER-HAMILTION-JOHNSON PERMENANT SIGNALHEAD CONFIGUATION WITH HEAD NUMBERS

3-V	3-H	2-P
R 1, 2, 4, 6	R Y G	W/DW COUNT DOWN 3, 5 7, 10
Y 8, 12, 13	26	11, 14, 16
G 15, 17, 20		18, 19, 23
21, 22, 25		24, 27

PEDESTRIAN PUSH BUTTONS FOR CROSSING JOHNSON ON POLES: SL1767, TS4, TS5 AND TS8
SIGNAL HEADS 1, 15,& 21 ARE 8 INCH SIGNAL HEADS.
ALL OTHERS ARE 12 INCH.
BACKPLATES ON ALL VEHICLE FAR SIDE SIGNAL HEADS PLUS SIGNAL HEAD #12

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

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

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TRAFFIC SIGNALS	SHEET 157	E

2

LEGEND

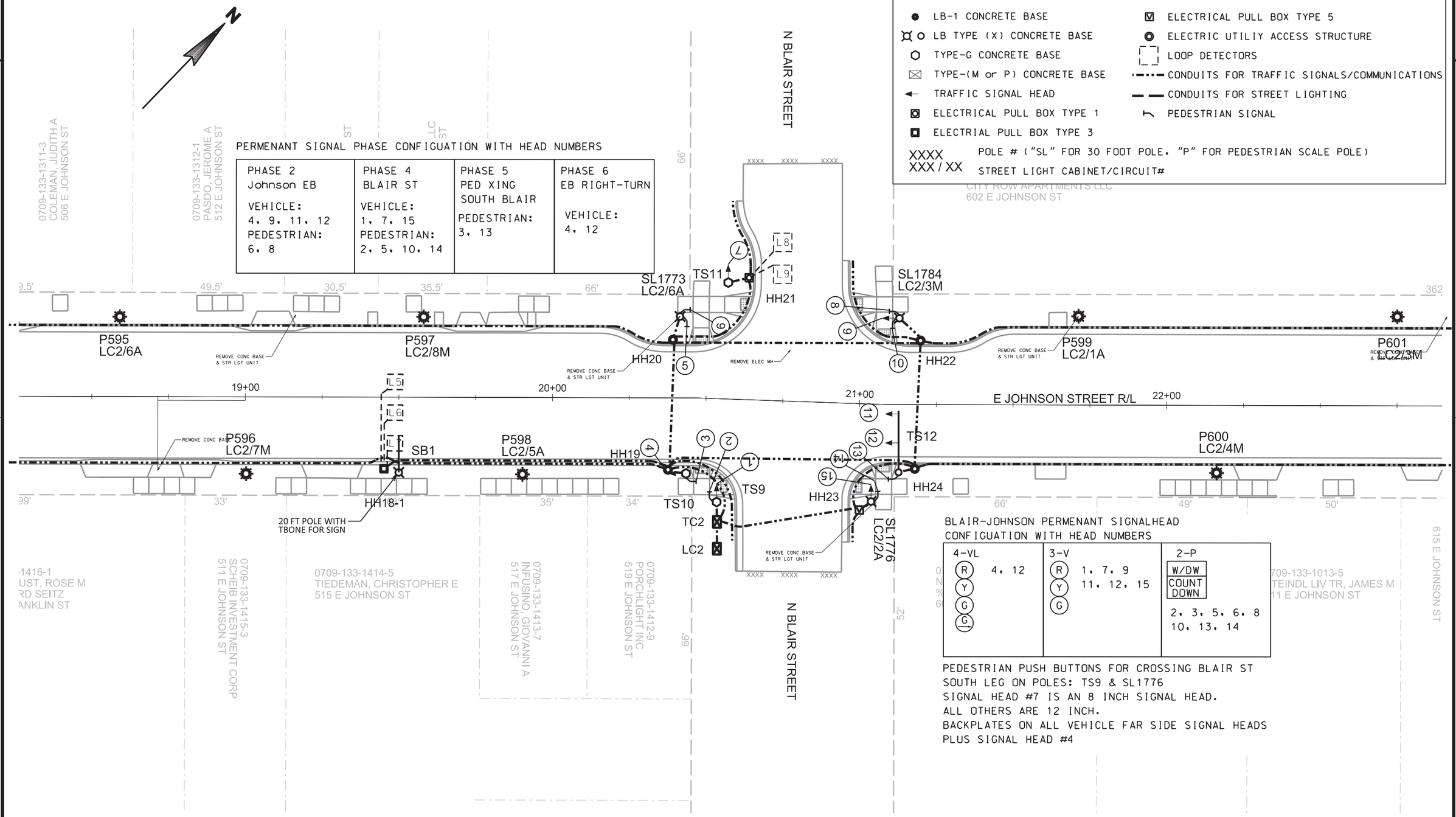
- LB-1 CONCRETE BASE
- LB TYPE (X) CONCRETE BASE
- TYPE-G CONCRETE BASE
- TYPE-(M or P) CONCRETE BASE
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS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

XXXX POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)

XXX/XX STREET LIGHT CABINET/CIRCUIT#

PERMENANT SIGNAL PHASE CONFIGUATION WITH HEAD NUMBERS

PHASE 2	PHASE 4	PHASE 5	PHASE 6
Johnson EB	BLAIR ST	PED XING SOUTH BLAIR	EB RIGHT-TURN
VEHICLE: 4, 9, 11, 12	VEHICLE: 1, 7, 15	PEDESTRIAN: 3, 13	VEHICLE: 4, 12
PEDESTRIAN: 6, 8	PEDESTRIAN: 2, 5, 10, 14		



BLAIR-JOHNSON PERMENANT SIGNALHEAD CONFIGUATION WITH HEAD NUMBERS

4-VL	3-V	2-P
R Y G G	4, 12	R Y G: 1, 7, 9 / 11, 12, 15	W/DW COUNT DOWN: 2, 3, 5, 6, 8 / 10, 13, 14

PEDESTRIAN PUSH BUTTONS FOR CROSSING BLAIR ST
SOUTH LEG ON POLES: TS9 & SL1776
SIGNAL HEAD #7 IS AN 8 INCH SIGNAL HEAD.
ALL OTHERS ARE 12 INCH.
BACKPLATES ON ALL VEHICLE FAR SIDE SIGNAL HEADS
PLUS SIGNAL HEAD #4

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TRAFFIC SIGNALS	SHEET 158	E

2

N

0709-133-1128-2
APEX 637 LLC
640 E JOHNSON ST

0709-133-1129-0
644 E JOHNSON LLC
644 E JOHNSON ST

PERMENANT SIGNAL PHASE CONFIGUATION
WITH HEAD NUMBERS

PHASE 2 Johnson WB	PHASE 4 BLOUNT ST
VEHICLE: 4, 11, 13	VEHICLE: 1, 6, 8, 9
PEDESTRIAN: 2, 7, 10, 14	16, 17 PEDESTRIAN: 3, 5, 12, 15

N BLOUNT STREET

82.5'

132'

0709-132-1413-9
VICTORIAN HILL OWNERS ASC
%CREATIVE RE SERVICES INC
706 E JOHNSON ST

0709-132-1413-9
VICTORIAN HILL OWNERS ASC
%CREATIVE RE SERVICES INC
706 E JOHNSON ST

0709-132-1414-7
SILVER PLUME PROPERTIES LLC
708 E JOHNSON ST

0709-132-1415-5
SILVER PLUME PROPERTIES LLC
710 E JOHNSON ST

0709-132-1416-3
DEGEN LLC
714 E JOHNSON ST

0709-132-1417-1
KLUND, KELLY T

99' 33' 33' 33' 33' 66' 33' 33' 33'

P609
LC2/3M

HH29
TS15

HH30
TS16

SL1789
LC3/1A

TS14

P607
LC2/1A

HH28

HH31

P610
LC3/3M

P611
LC3/

M

25+00 26+00 27+00 28+00 29+00

E JOHNSON STREET R/L

P606
LC2/2A

P608
LC2/4M

TS13

HH27

TS17

HH33

P611
LC3/2A

33' 33' 99' 36' 30' 58' 41' 43' 56'

TC3

LC3

SL1788
LC3/5A

HH32

TS18

BLOUNT-JOHNSON PERMENANT SIGNALHEAD
CONFIGUATION WITH HEAD NUMBERS

3-V	3-H	2-P
R, Y, G: 1, 4, 6, 8, 9, 11, 16, 17	R, Y, G: 13	W/DW COUNT DOWN: 2, 3, 5, 7, 10, 12, 14, 15

SIGNAL HEADS 8 & 17 ARE 8 INCH SIGNAL HEADS.
ALL OTHERS ARE 12 INCH.
BACKPLATES ON ALL VEHICLE FAR SIDE SIGNAL HEADS
PLUS SIGNAL HEAD #4

0709-133-1003-6
CHANDLER 643-645 LLC
%CHT APARTMENT RENTALS

0709-133-1001-0
CHANDLER 651 LLC
%CHT APARTMENT RENTALS
651 E JOHNSON ST

0709-132-1314-9
KLARIBOU LLC
701 E JOHNSON ST

0709-132-1411-5
GRADY, MICHAEL J & LY
717 E JOHNSON ST

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

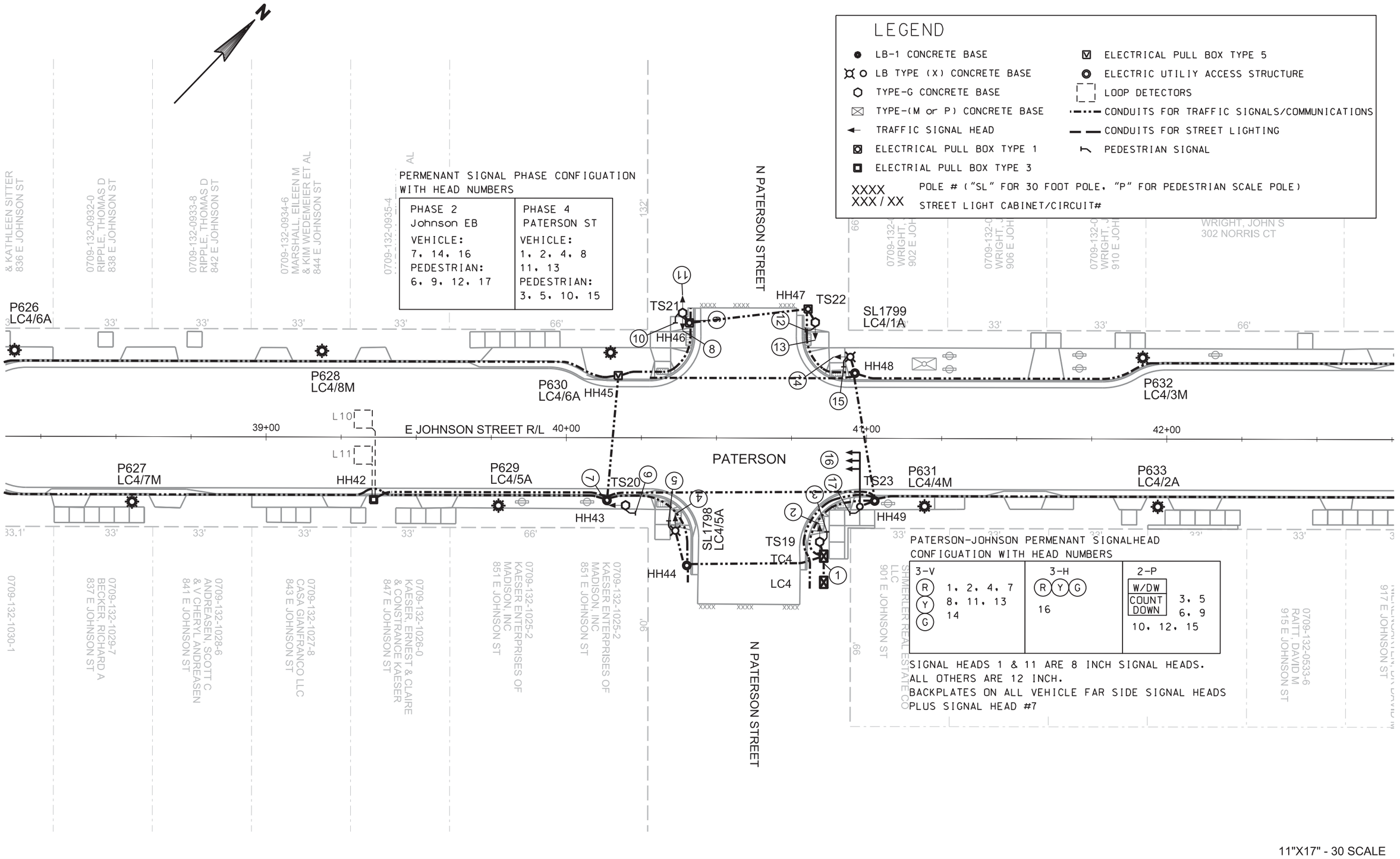
XXXX POLE # ("SL" FOR 30 FOOT POLE, "P" FOR PEDESTRIAN SCALE POLE)
XXX/XX STREET LIGHT CABINET/CIRCUIT#

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TRAFFIC SIGNALS	SHEET 159	E

FILE NAME : M:\DESIGN\Projects\53W0740\Traffic\Design\Plan Sheets\53W0740TE-Signal Detail #3.dgn PLOT DATE : 11/16/2013 PLOT BY : engey PLOT NAME : PLOT SCALE : 30.0000 sf / in.

2



11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TRAFFIC SIGNALS	SHEET 160	E

2

PERMENANT SIGNAL PHASE CONFIGUATION
WITH HEAD NUMBERS

PHASE 2 Johnson EB	PHASE 4 INGERSOLL ST
VEHICLE: 6, 14, 15	VEHICLE: 1, 2, 3, 8
PEDESTRIAN: 5, 9, 13, 17	10, 11 PEDESTRIAN: 4, 7, 12, 16

N INGERSOLL STREET

0709-131-1311-7
RICHARDSON, DALE K
1040 E JOHNSON ST

0709-131-1312-5
VAUGHAN, CHARLES T
& JENNIFER R VAUGHAN
1042 E JOHNSON ST

0709-131-1312-5
VAUGHAN, CHARLES T
& JENNIFER R VAUGHAN
1042 E JOHNSON ST

0709-131-1313-3
HETZEL, JOSEPH & DIANE
1046 E JOHNSON ST

0709-131-1115-3
HETZEL, JOSEPH H
DIANE M HETZEL
1100 E JOHNSON ST

0709-131-1117-9
ISOM, JACQUELINE D
1106 E JOHNSON ST

0709-131-1118-7
GOLL TR, BRADLEY & TRACI
1108 E JOHNSON ST

0709-131-1119-5

33' 33' 40' 45' 47' 92' 89' 95' 35' 35' 4

P648
LC5/8M

P650
LC5/6A

HH59

TS26

HH60

TS27

HH64

TS28

SL1809
LC5/1A

HH65

P653
LC5/3M

52+00 53+00 54+00 E JOHNSON STREET R/L 55+00 56-

L12

L13

SB3

P649
LC5/7M

HH58

P651
LC5/5A

HH61

TS25

HH63

P652
LC5/2A

TS29

TS24

HH62

SL1808
LC5/5A

TC5

LC5

place monotube 25 foot for speed board

40' 40' 40' 40' 37.6' 31' 32'

0709-131-1422-2

0709-13
KNURR,
1041 E

0709-13
RETZLA
& JEFFR
1045 E

0709-131-
SPRAGUE
% THE SP
1047 E JO

0709-131-1
BARON IN
% THE CHR
1049 E JOH

0709-131-1417-3
STEWART ELLIOTT
PROPERTIES LLC
1051 E JOHNSON ST

0709-131-1028-8
SCHLUTER, JEAN M
% APEX PROPERTIES INC
1113 E JOHNSON ST

DUTCHER, ANDREW
ANNIE DUTCHER
1115 E JOHNSON ST

N INGERSOLL STREET

INGERSOLL-JOHNSON PERMENANT SIGNALHEAD
CONFIGUATION WITH HEAD NUMBERS

3-V	3-H	2-P
R Y G 1, 2, 3, 6, 8, 10, 11, 14	R Y G 15	W/DW COUNT DOWN 4, 5, 7, 9, 12, 13, 16

SIGNAL HEADS 1 & 10 ARE 8 INCH SIGNAL HEADS.
ALL OTHERS ARE 12 INCH.
BACKPLATES ON ALL VEHICLE FAR SIDE SIGNAL HEADS
PLUS SIGNAL HEAD #6

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

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

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TRAFFIC SIGNALS	SHEET 161	E

PERMENANT SIGNAL PHASE CONFIGUATION WITH HEAD NUMBERS

PHASE 1	PHASE 2	PHASE 4	PHASE 5	PHASE 6
WB LEFT-TURN VEHICLE: 13, 25	JOHNSON ST EB VEHICLE: 1, 2, 10, 11 27 PEDESTRIAN: 3, 8	BALDWIN ST VEHICLE: 5, 6, 7, 18 20, 21 PEDESTRIAN: 4, 9, 12, 14 17, 22, 26, 28	EB LEFT-TURN VEHICLE: 11, 27	GORHAM ST WB VEHICLE: 13, 15, 16 24, 25 PEDESTRIAN: 19, 23

N BALDWIN ST

EXISTING LOOPS

0709-124-0618-3
CITY OF MADISON CDA
302 N BALDWIN ST

0709-124-0431-9
HANSEN, ELLEN JO
305 BALDWIN ST

0709-124-0432-7
SOMERFELD, WARREN O
& JANICE D SOMERFELD
306 MARSTON AVE

TS35 HH84 TS34 HH85 TS33 HH83 SL3977 LC6/1A TS36 HH82 HH77 8M SL3982 LC6/6A/8M SL3977 LC6/1A/3M HH74 P670 LC6/6A L16 6A L18 HH80 HH81 SB4 L19 L20 L14 L15 P669 LC6/7M P671 LC6/5A HH75 TS32 HH79 TS30 TC6 LC6 TS31 SL3979 LC6/5A HH78

65+00 66+00 67+00 68+00 69+00

66+50.93 PI 66+10.98 PI

BALDWIN

E JOHNSON STREET R/L

20 FT POLE WITH TBONE FOR SIGN

N BALDWIN STREET

33' 33' 48' 32' 32' 20' 66' 66' 66'

112'

JOHNSON CURTIS LLC

0709-124-0310-5
WINDER, T
223 N BAL

0709-124-0310-5
ORT, TIMOTHY W
ILEEN M NEWPORT
JOHNSON ST

BERGERSEN, GUNNAR A
1319 E JOHNSON ST

LEGEND

- LB-1 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
- ELECTRIAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRIC UTILIY ACCESS STRUCTURE
- LOOP DETECTORS
- CONDUITS FOR TRAFFIC SIGNALS/COMMUNICATIONS
- CONDUITS FOR STREET LIGHTING
- PEDESTRIAN SIGNAL

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

BALDWIN-JOHNSON-GORHAM PERMENANT SIGNALHEAD CONFIGUATION WITH HEAD NUMBERS

4-VL	3-V	2-P
R 11, 13 Y 25, 27 FY G	R 1, 2, 5, 6 Y 7, 10, 15 G 16, 18, 20 21, 24	W/DW COUNT DOWN 3, 4 8, 9 12, 14 17, 19, 22 23, 26, 28

PEDESTRIAN PUSH BUTTONS FOR CROSSING JOHNSON/GORHAM
ON POLES: TS30, TS32, SL3982, TS34, TS36, SL3977 & TS30
SIGNAL HEADS 6 & 20 ARE 8 INCH SIGNAL HEADS.
ALL OTHERS ARE 12 INCH.
BACKPLATES ON ALL VEHICLE FAR SIDE SIGNAL HEADS
PLUS SIGNAL HEADS 10 & 24

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TRAFFIC SIGNALS	SHEET 162 E

2

N

TEMPORARY SIGNAL PHASE CONFIGUATION WITH HEAD NUMBERS

PHASE 2	PHASE 3	PHASE 4	PHASE 8
Johnson EB	BUTLER ST	HAMILTON ST	PED XING JOHNSON
VEHICLE: 4, 11, 12	VEHICLE: 5, 6, 7	VEHICLE: 1, 2, 3	HEADS XING JOHNSON
PEDESTRIAN: HEADS XING BUTLER/HAMILTON	13, 14, 15	8, 9, 10	

N BUTLER STREET

N HAMILTON STREET

0709-144-0505-0
GEBHART III, OTTO C
% MADISON PROP MGMT
304 N HAMILTON ST

306.75'

0709-133-5501-6
HEES, PHILIP K
303 N HAMILTON ST

216.88'

LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY POLE FOR TRAFFIC SIGNALS
- VEHICLE DETECTION AREA

L1
L2
L3
L4

OVERHEAD CABLE TYPICAL

10+00 11+00 12+00 13+00

E JOHNSON STREET R/L

10+00.00 POB

66' 33' 66' 33'

49.5'

BUTLER-HAMILTION-JOHNSON TEMPORARY SIGNALHEAD CONFIGUATION WITH HEAD NUMBERS

3-V
R ALL SIGNAL
Y FACES SHOWN
G

0709-133-2340-1
305 E JOHNSON LLC
303 E JOHNSON ST

0709-133-2338-6
311 E JOHNSON LLC
331 E JOHNSON ST

0709-133-2337-8
317 E JOHNSON LLC
317 E JOHNSON ST

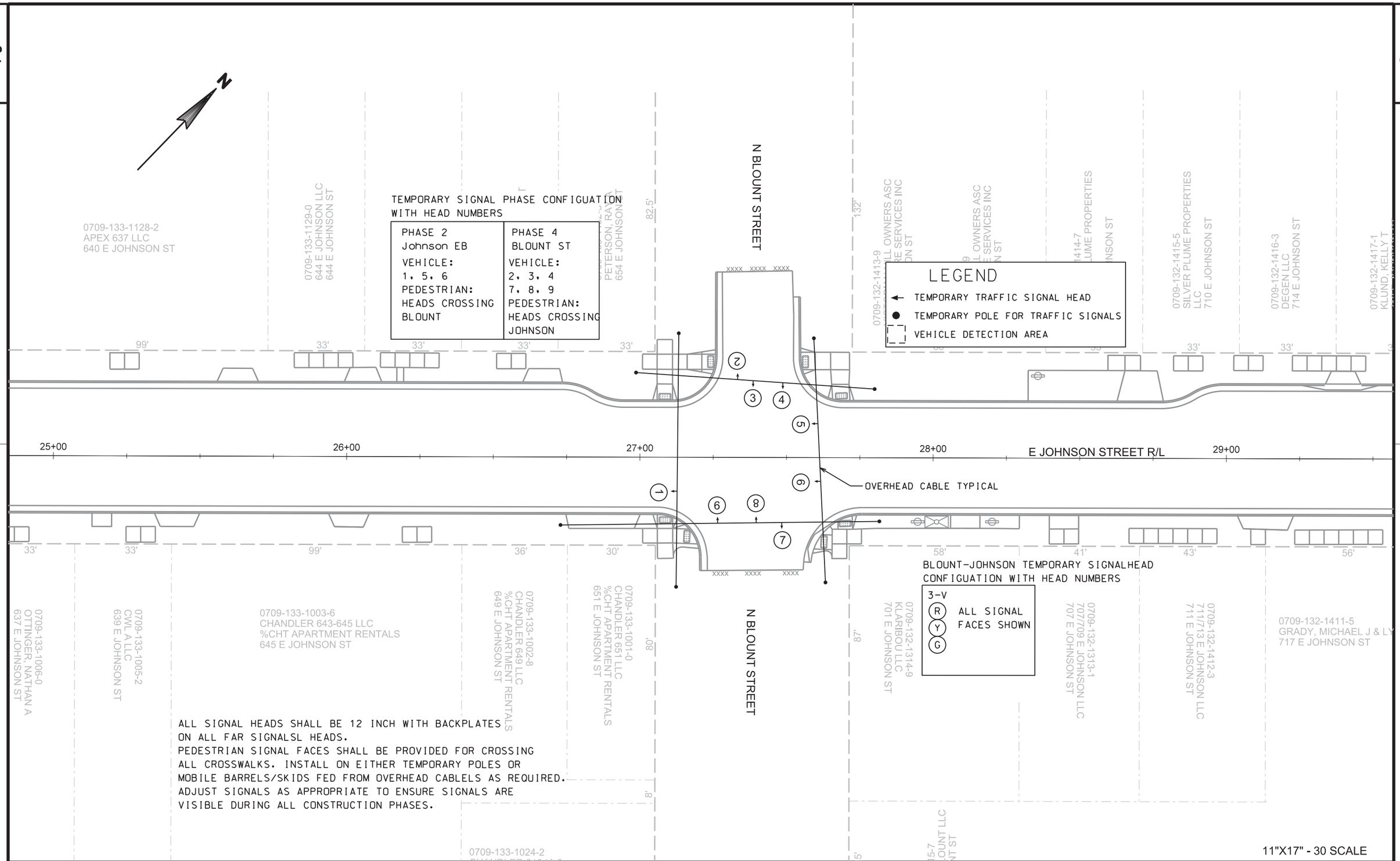
0709-133-3207-2
KOTLINSKI, ANDREW J
219 N HAMILTON ST

ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNALSL HEADS.
PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. PUSH BUTTONS SHALL BE PROVIDED FOR CROSSING JOHNSON AND LOCATED LOCATED AS PER THE MUTCD.
INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLELS AS REQUIRED.
ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
PROVIDE/MAINTAIN TEMPORARY VEHICLE DETECTION FOR BUTLER AND HAMILTON PHASE MOVEMENTS. ADJUST DETECTION ZONE LOCATIONS AS NEEDED FOR EACH TRAFFIC CONTROL STAGE.

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TEMPORARY SIGNALS	SHEET 163	E

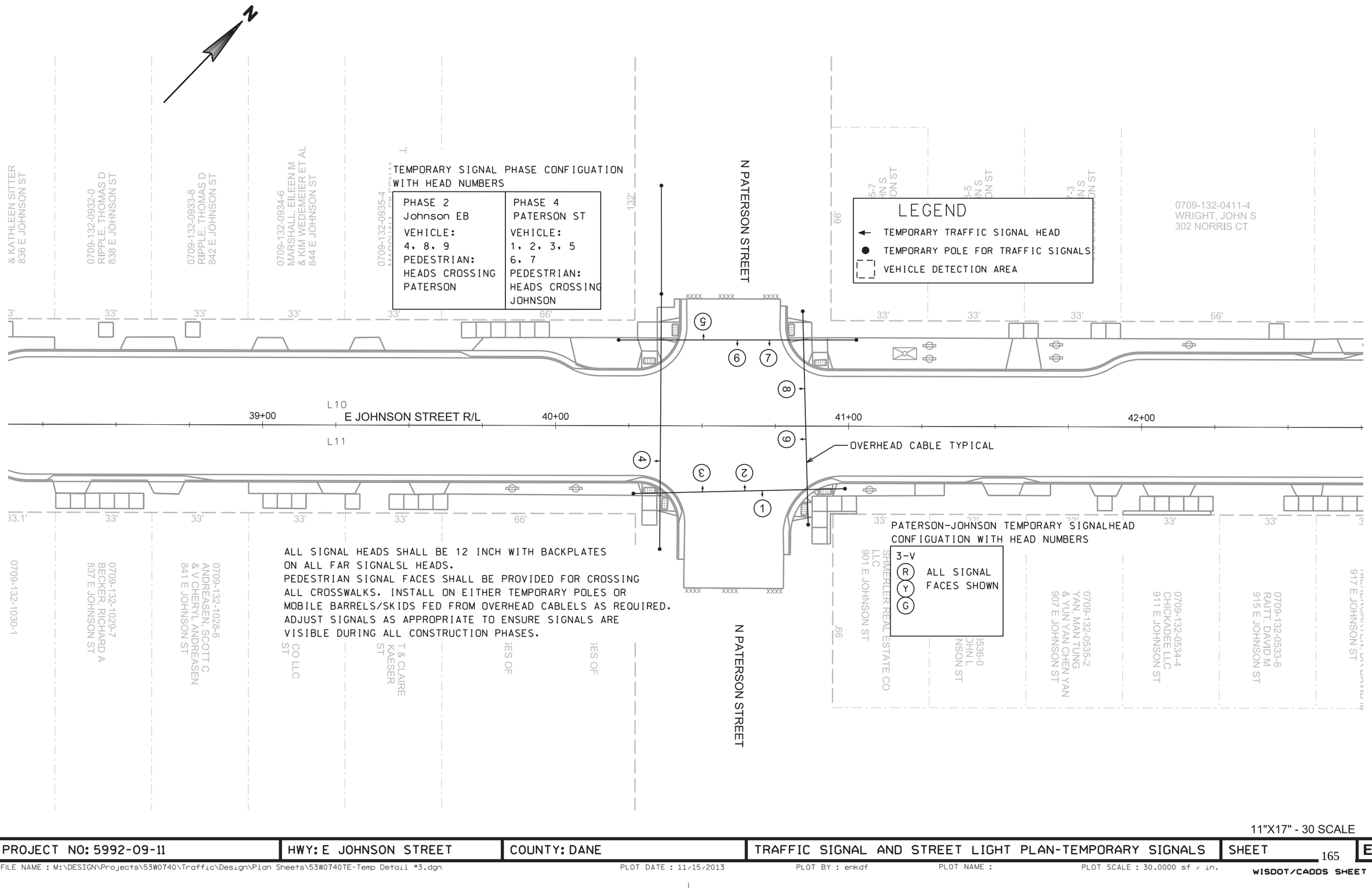
2



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TEMPORARY SIGNALS	SHEET E

FILE NAME : M:\DESIGN\Projects\53W0740\Traffic\Design\Plan Sheets\53W0740TE-Temp Detail "2.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 30.0000 sf / in.
WISDOT/CADDS SHEET 42

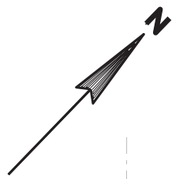
2



11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TEMPORARY SIGNALS	SHEET 165	E

2

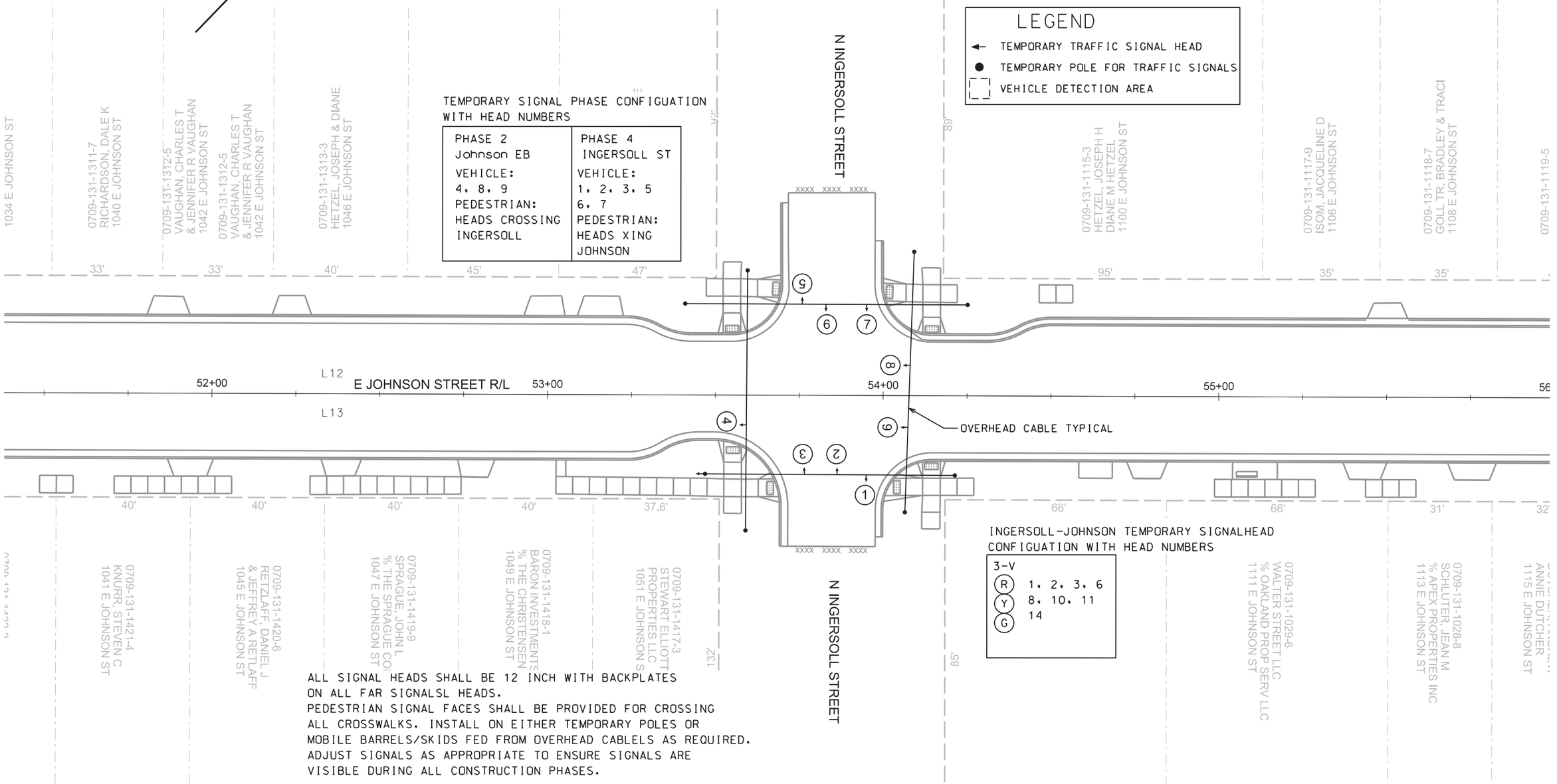


LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY POLE FOR TRAFFIC SIGNALS
- VEHICLE DETECTION AREA

TEMPORARY SIGNAL PHASE CONFIGUATION WITH HEAD NUMBERS

PHASE 2 Johnson EB	PHASE 4 INGERSOLL ST
VEHICLE: 4, 8, 9	VEHICLE: 1, 2, 3, 5 6, 7
PEDESTRIAN: HEADS CROSSING INGERSOLL	PEDESTRIAN: HEADS XING JOHNSON



INGERSOLL-JOHNSON TEMPORARY SIGNALHEAD CONFIGUATION WITH HEAD NUMBERS

3-V

- R: 1, 2, 3, 6
- Y: 8, 10, 11
- G: 14

ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNALSL HEADS.
PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLELS AS REQUIRED.
ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TEMPORARY SIGNALS	SHEET 166	E

2

N

N BALDWIN STREET

0709-124-0618-3
CITY OF MADISON CDA
302 N BALDWIN ST

0709-124-0431-9
HANSEN, ELLEN JO
305 BALDWIN ST

0709-124-0432-7
SOMERFELD, WARREN O
& JANICE D SOMERFELD
306 MARSTON AVE

LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY POLE FOR TRAFFIC SIGNALS
- VEHICLE DETECTION AREA

TEMPORARY SIGNAL PHASE CONFIGUATION WITH HEAD NUMBERS

PHASE 1	PHASE 2	PHASE 4	PHASE 5	PHASE 6
WB LEFT-TURN VEHICLE: 9, 13	JOHNSON ST EB VEHICLE: 4, 15, 16 PEDESTRIAN: HEADS XING SOUTH LEG	BALDWIN ST VEHICLE: 1, 2, 3, 9 10, 11 PEDESTRIAN: HEADS XING JOHNSON/GORHAM	EB LEFT-TURN VEHICLE: 5, 14	JOHNSON ST WB VEHICLE: 7, 8, 12 24, 25 PEDESTRIAN: HEADS XING NORTH LEG

OVERHEAD CABLE TYPICAL

L14 L15 L16 L17 L18 L19 L20

65+00 65+01.98 PI 66+00 66+50.93 PI 67+00 68+00 69+00

BALDWIN

E JOHNSON STREET R/L

ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES
ON ALL FAR SIGNALSL HEADS.
PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING
ALL CROSSWALKS. PUSH BUTTONS SHALL BE PROVIDED FOR CROSSING
JOHNSON/GORHAM AND LOCATED LOCATED AS PER THE MUTCD.
INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS
FED FROM OVERHEAD CABLELS AS REQUIRED.
ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE
VISIBLE DURING ALL CONSTRUCTION PHASES.
PROVIDE/MAINTAIN TEMPORARY VEHICLE DETECTION FOR BALDWIN
AND LEFT-TURN MOVEMENT PHASES. ADJUST DETECTION ZONE
LOCATIONS AS NEEDED FOR EACH TRAFFIC CONTROL STAGE.

BALDWIN-JOHNSON-GORHAM TEMPORARY SIGNALHEAD
CONFIGUATION WITH HEAD NUMBERS

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

0709-131-0523-9
JOHNSON CURTIS J C

0709-131-0522-1
MCDERMOTT, PATRICK A
LADINE L MCDERMOTT
1239 E JOHNSON ST

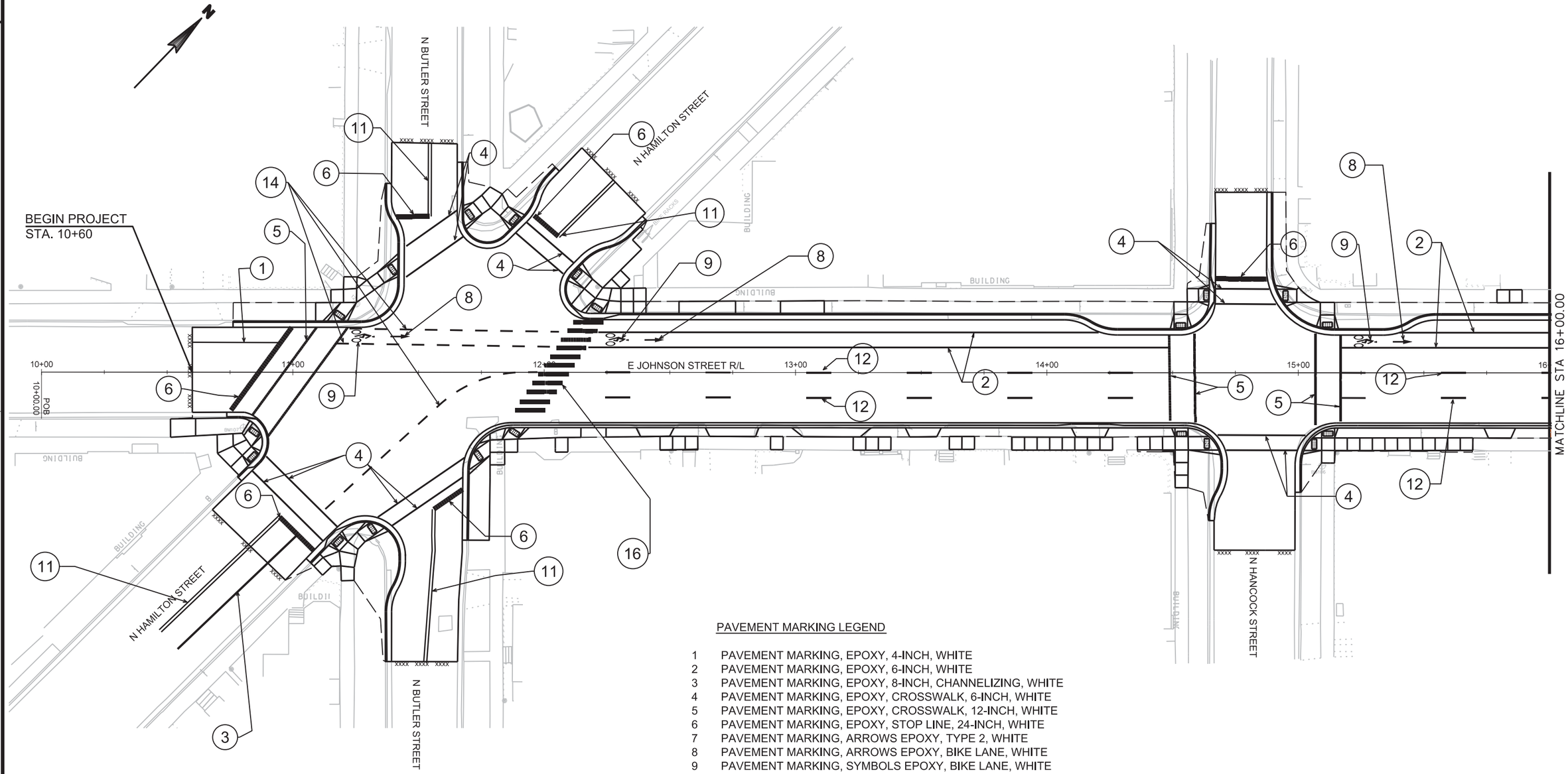
0709-124-0310-5
NEWPORT, TIMOTHY W
& KATHLEEN M NEWPORT
1317 E JOHNSON ST

BERGERSEN, GUNNAR A
1319 E JOHNSON ST

11"X17" - 30 SCALE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TRAFFIC SIGNAL AND STREET LIGHT PLAN-TEMPORARY SIGNALS	SHEET 167	E

2



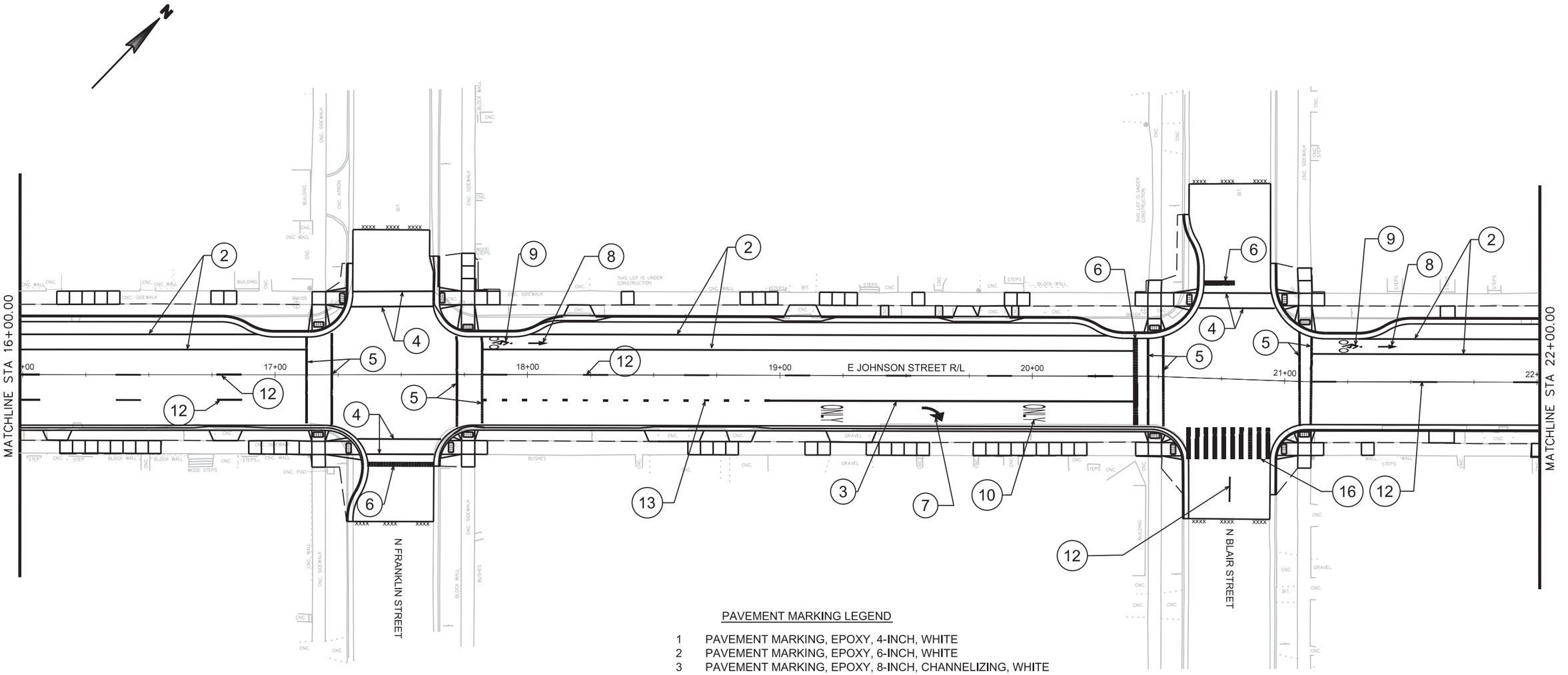
NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
9	PAVEMENT MARKING, SYMBOLS EPOXY, BIKE LANE, WHITE
10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
13	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (2' LINE, 6' GAP)
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	MARKING PLAN	SHEET 168	E

2



PAVEMENT MARKING LEGEND

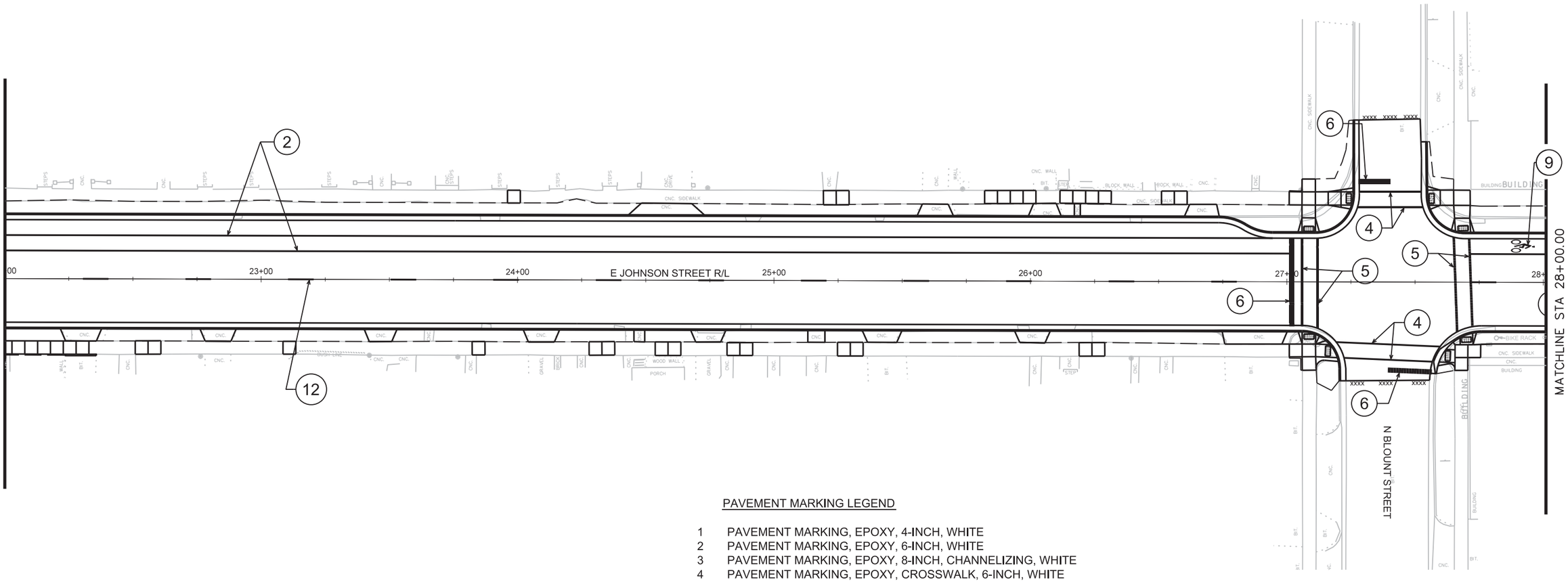
1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
9	PAVEMENT MARKING, SYMBOLS EPOXY, BIKE LANE, WHITE
10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
13	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (2' LINE, 6' GAP)
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	MARKING PLAN	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\90% Plans\Marking Plan\53W0740EN-Marking Plan **2.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

2



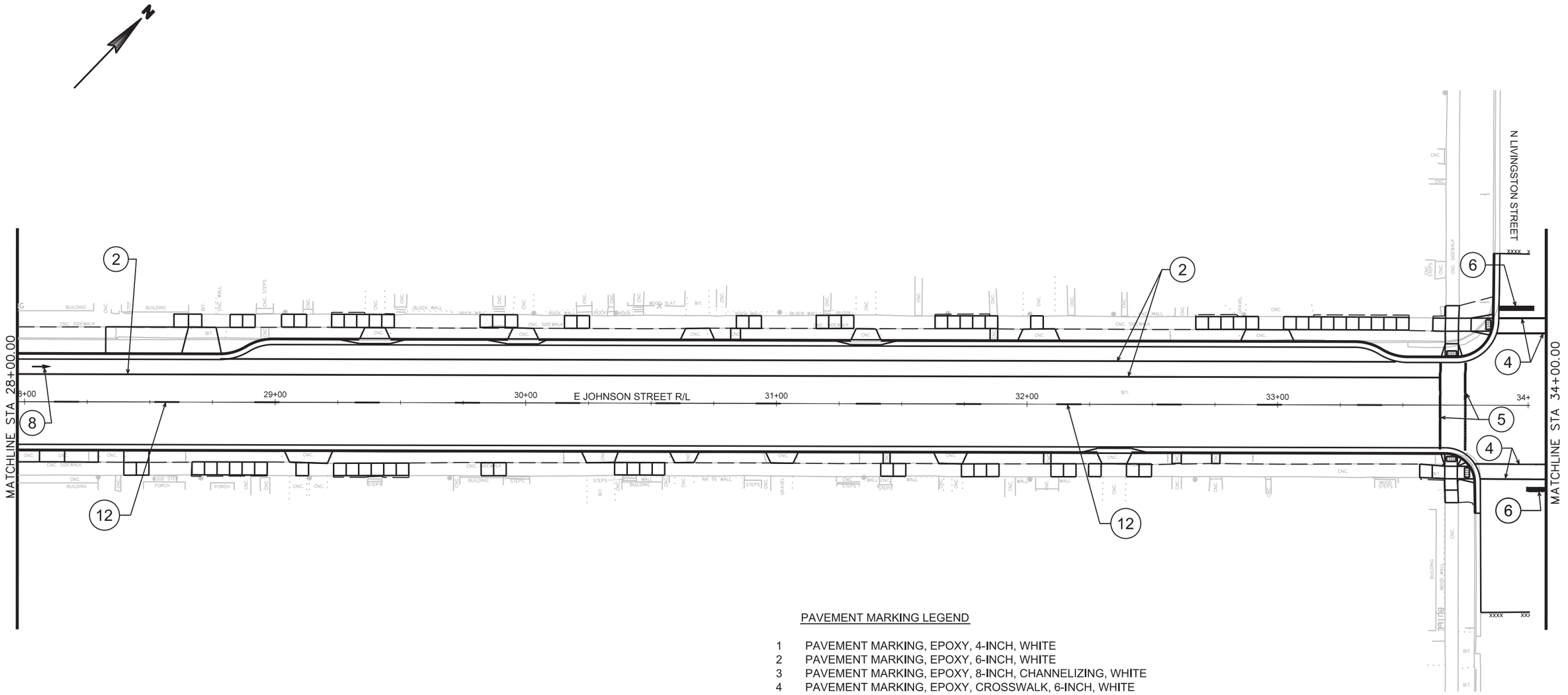
PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
9	PAVEMENT MARKING, SYMBOLS EPOXY, BIKE LANE, WHITE
10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
13	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (2' LINE, 6' GAP)
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	MARKING PLAN	SHEET 170	E

2



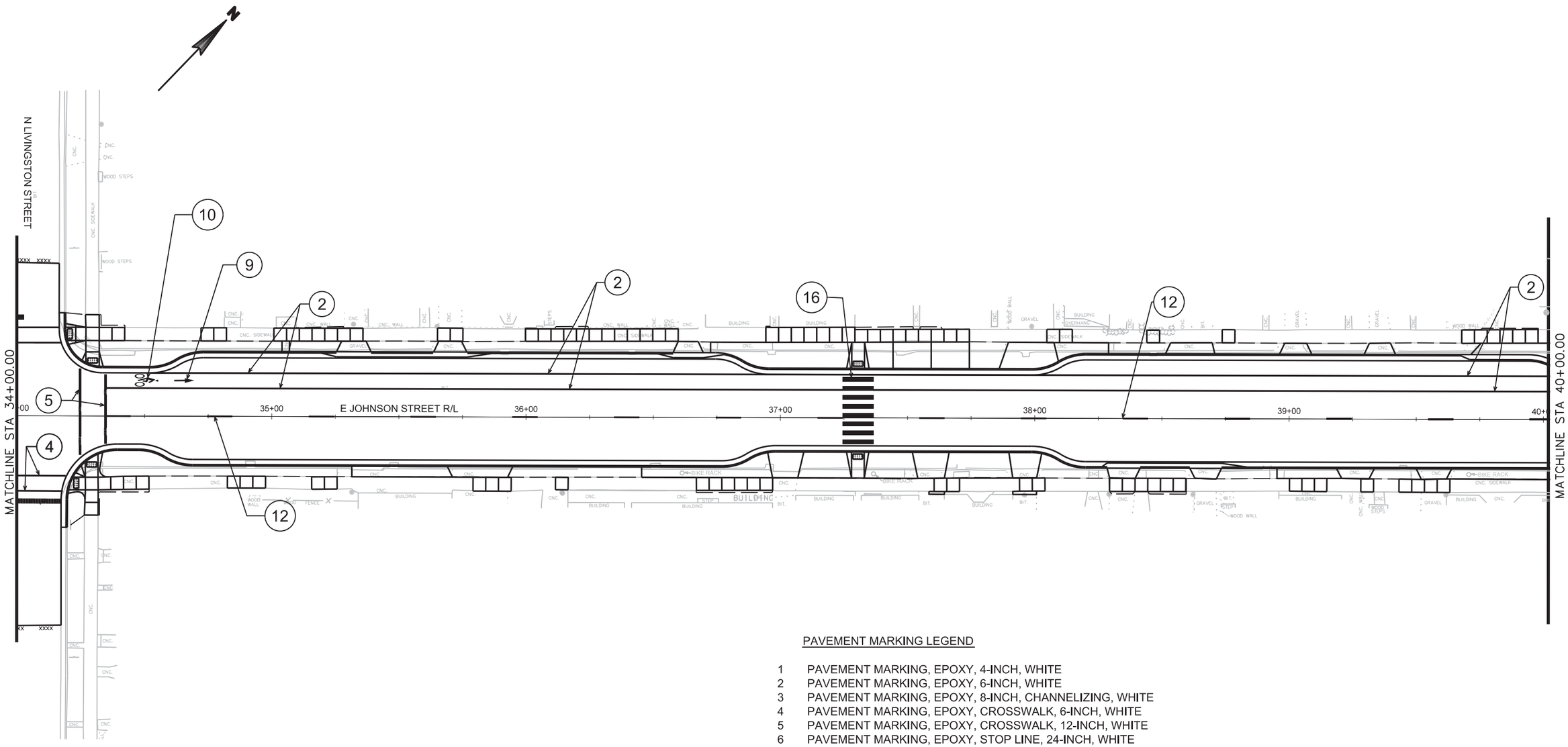
PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
9	PAVEMENT MARKING, SYMBOLS EPOXY, BIKE LANE, WHITE
10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
13	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (2' LINE, 6' GAP)
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	MARKING PLAN	SHEET 171	E

2

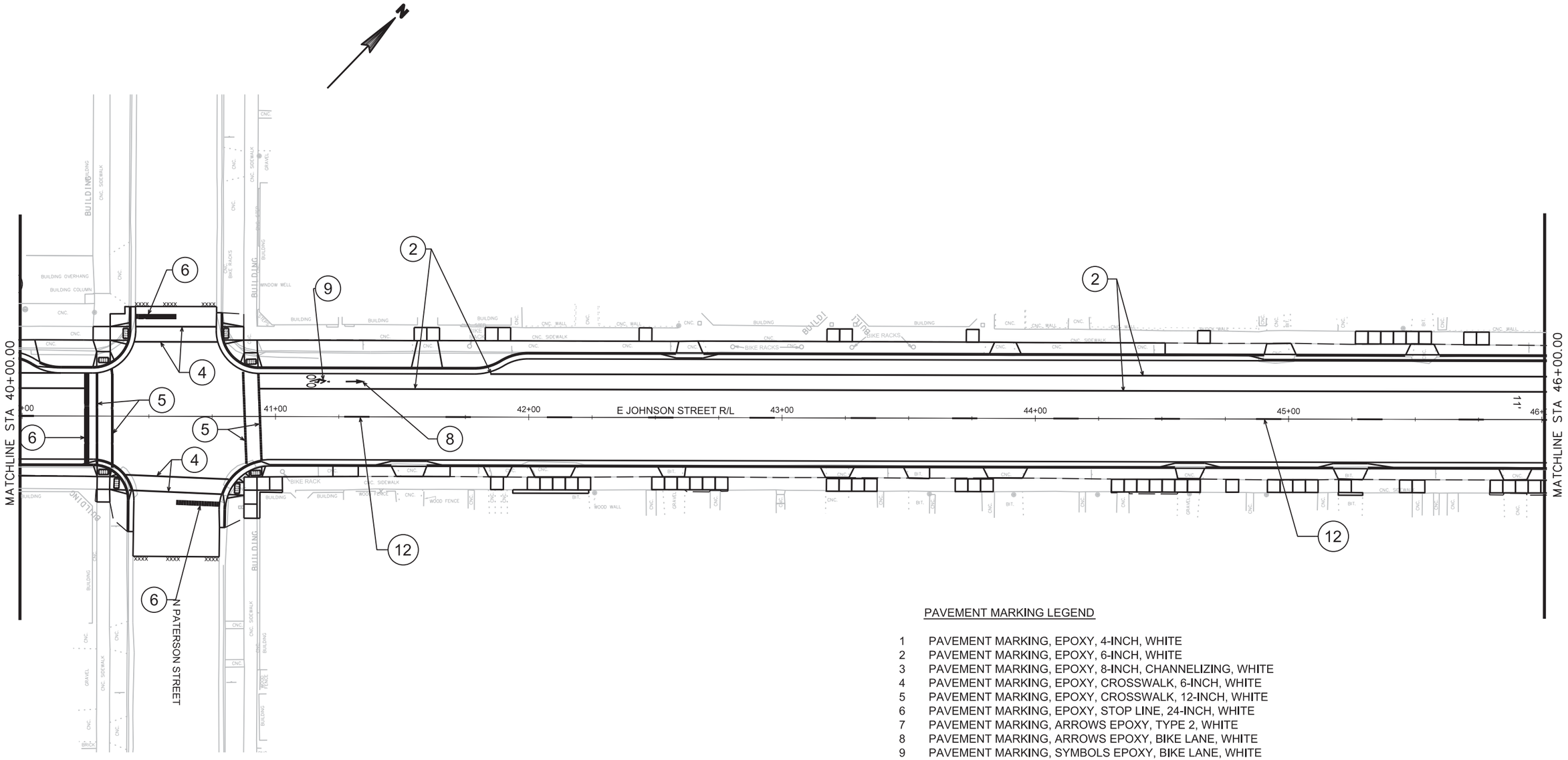


NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
9	PAVEMENT MARKING, SYMBOLS EPOXY, BIKE LANE, WHITE
10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
13	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (2' LINE, 6' GAP)
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

2



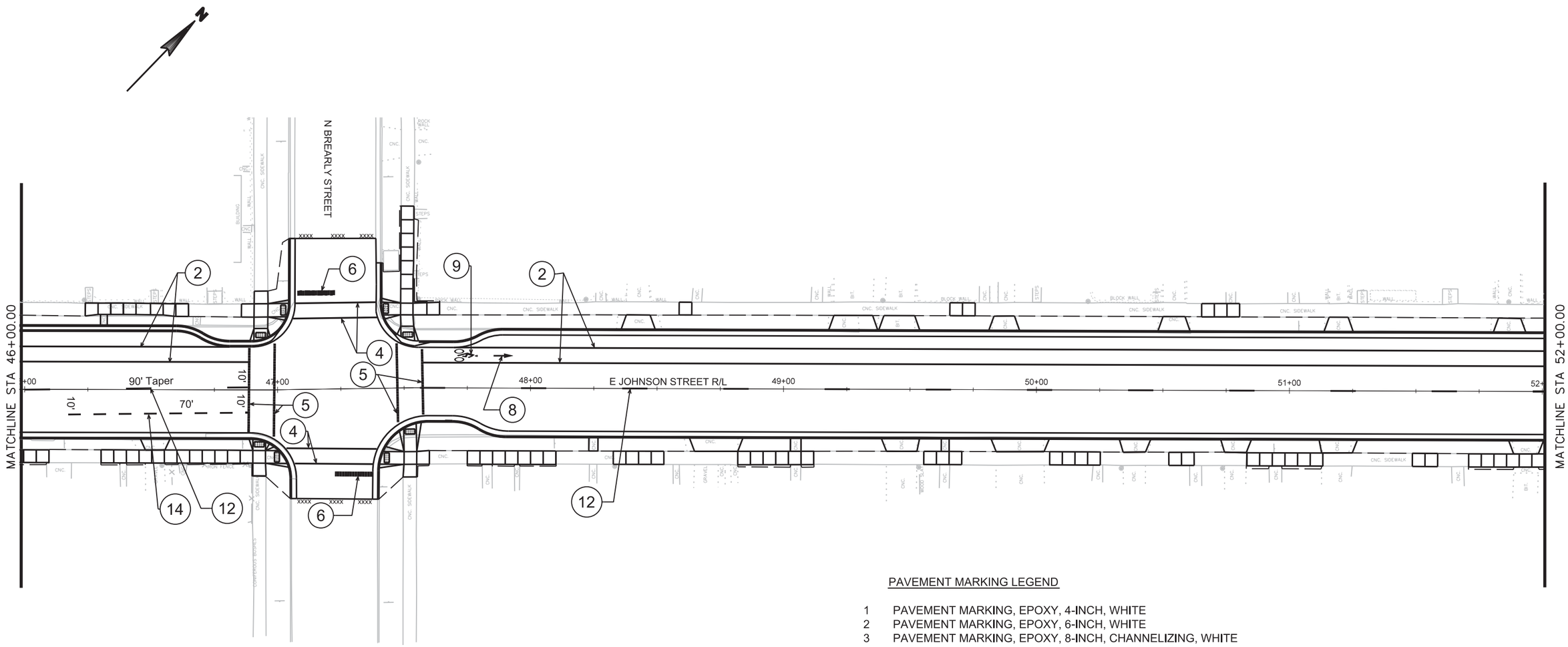
NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
9	PAVEMENT MARKING, SYMBOLS EPOXY, BIKE LANE, WHITE
10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
13	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (2' LINE, 6' GAP)
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	MARKING PLAN	SHEET 173	E

2



NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
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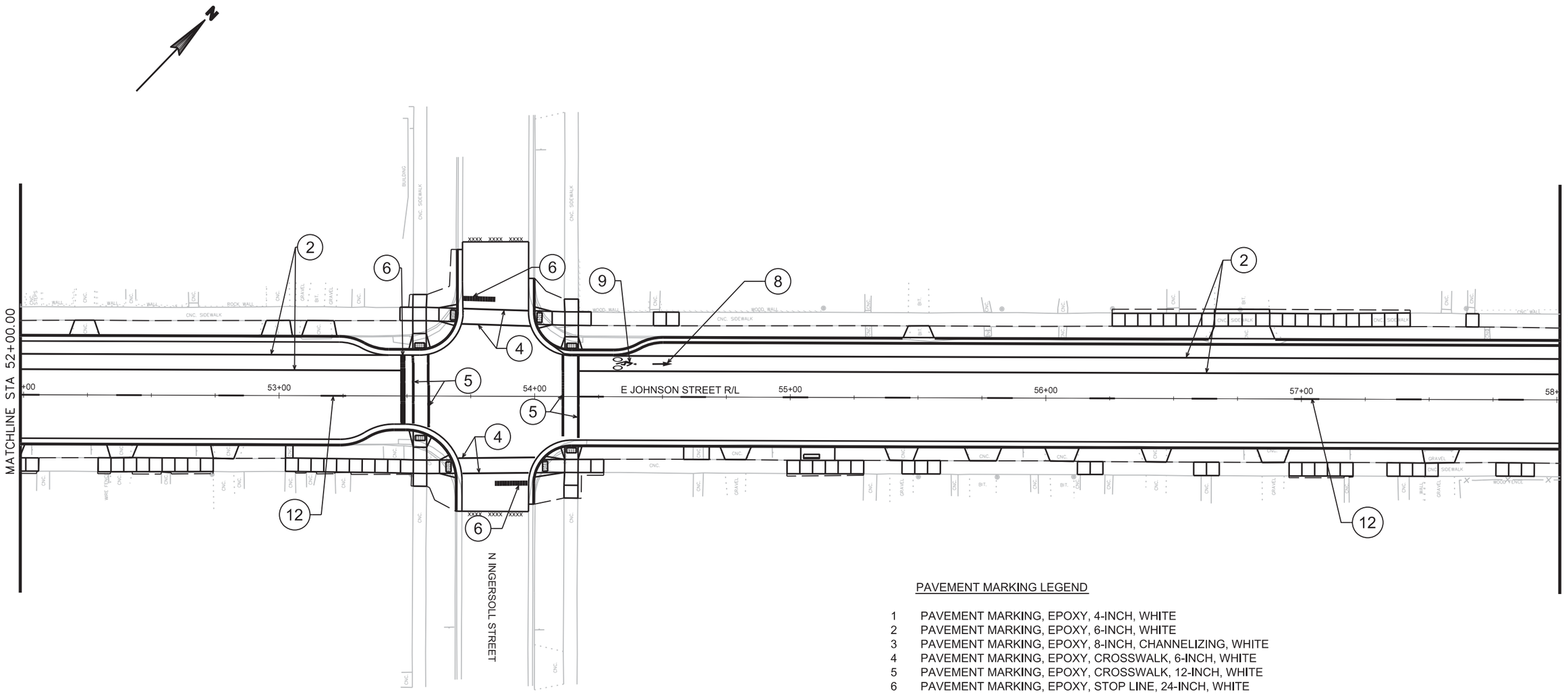
10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
13	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (2' LINE, 6' GAP)
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

2



PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
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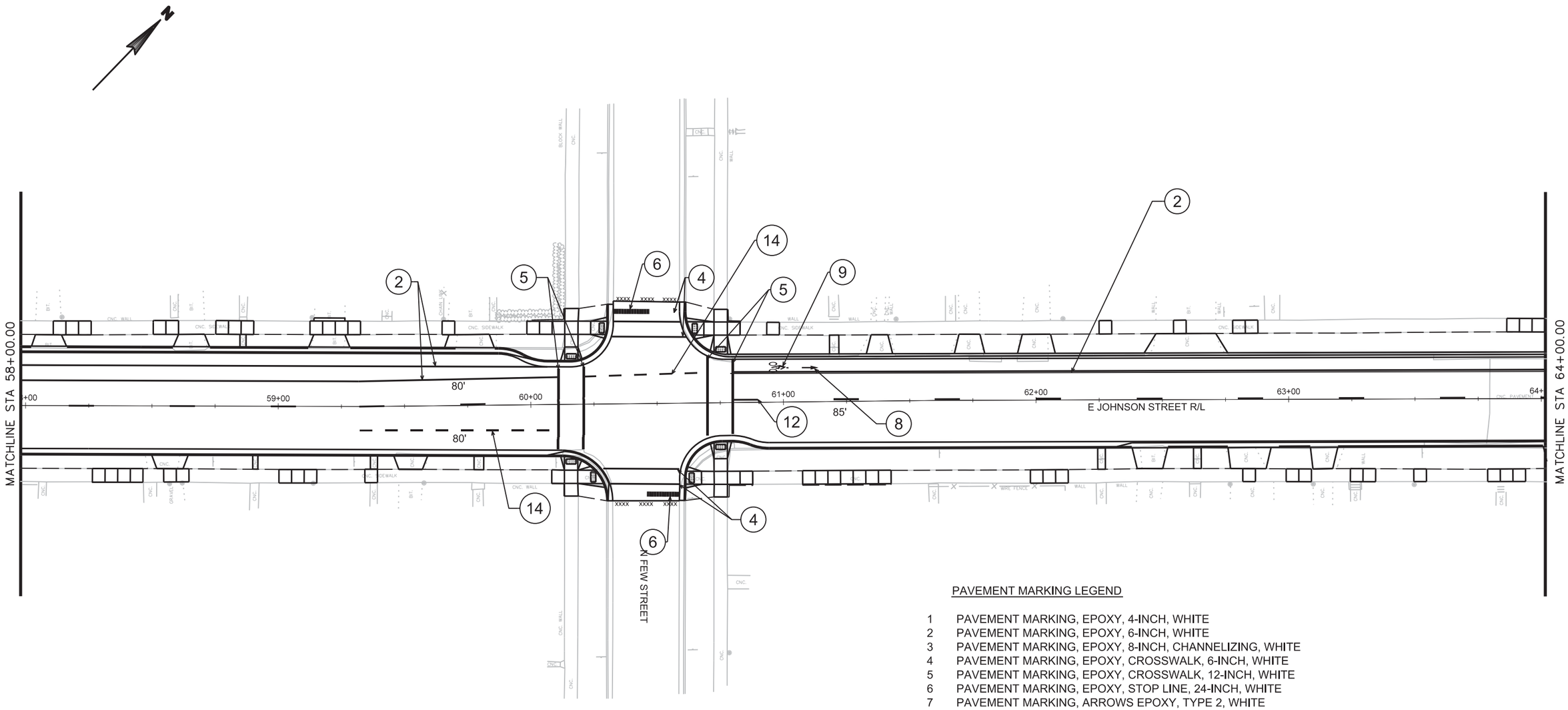
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	MARKING PLAN	SHEET 175	E

2



NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
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10	PAVEMENT MARKING, WORDS EPOXY, WHITE
11	PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW
12	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE (10' LINE, 30' GAP)
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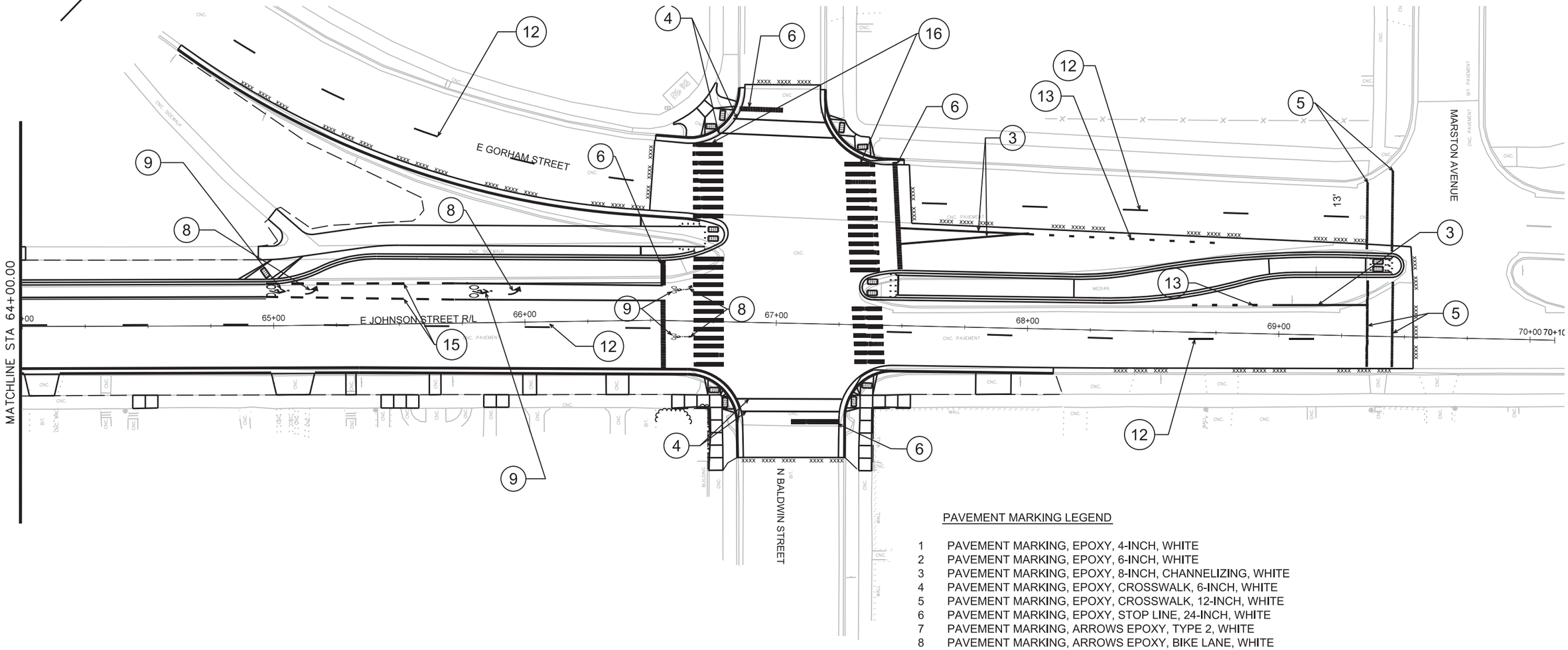
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

2



NOTE:
1. YELLOW CURB MARKINGS WILL BE FIELD LOCATED BY CITY OF MADISON T.E. STAFF AFTER COMPLETION OF FINAL SIGNING INSTALLATION.

PAVEMENT MARKING LEGEND

1	PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
2	PAVEMENT MARKING, EPOXY, 6-INCH, WHITE
3	PAVEMENT MARKING, EPOXY, 8-INCH, CHANNELIZING, WHITE
4	PAVEMENT MARKING, EPOXY, CROSSWALK, 6-INCH, WHITE
5	PAVEMENT MARKING, EPOXY, CROSSWALK, 12-INCH, WHITE
6	PAVEMENT MARKING, EPOXY, STOP LINE, 24-INCH, WHITE
7	PAVEMENT MARKING, ARROWS EPOXY, TYPE 2, WHITE
8	PAVEMENT MARKING, ARROWS EPOXY, BIKE LANE, WHITE
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10	PAVEMENT MARKING, WORDS EPOXY, WHITE
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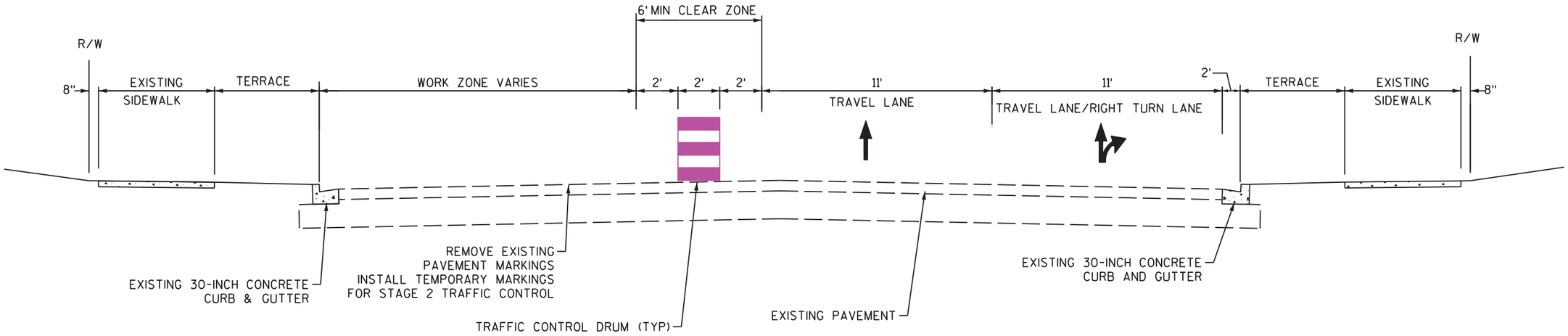
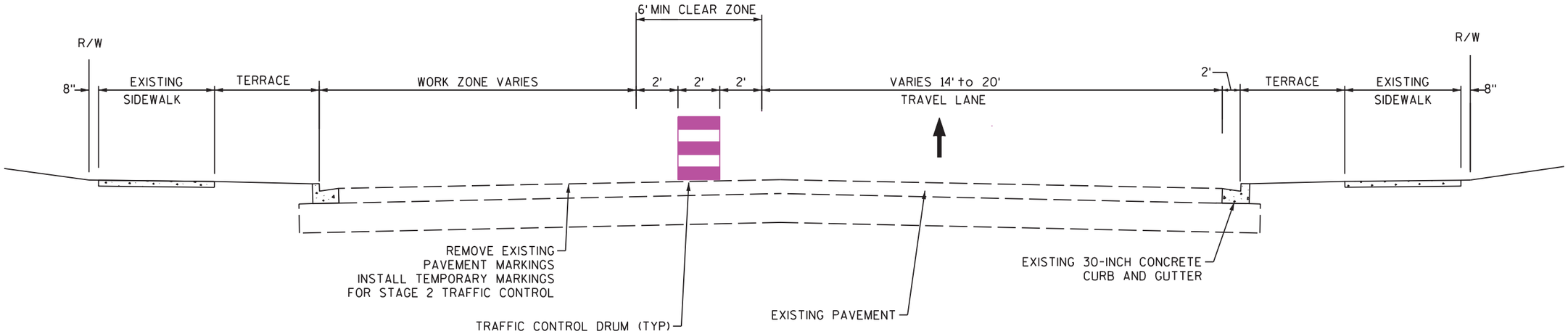
14	PAVEMENT MARKING, EPOXY, 6-INCH, DASHED WHITE, (5' LINE, 5' GAP)
15	PAVEMENT MARKING, EPOXY, 8-INCH, DASHED WHITE, (5' LINE, 5' GAP)
16	PAVEMENT MARKING, EPOXY, CONTINENTAL CROSSWALK, 18-INCH, WHITE

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	MARKING PLAN	SHEET 177	E



TYPICAL SECTION - STAGE 1 CONSTRUCTION

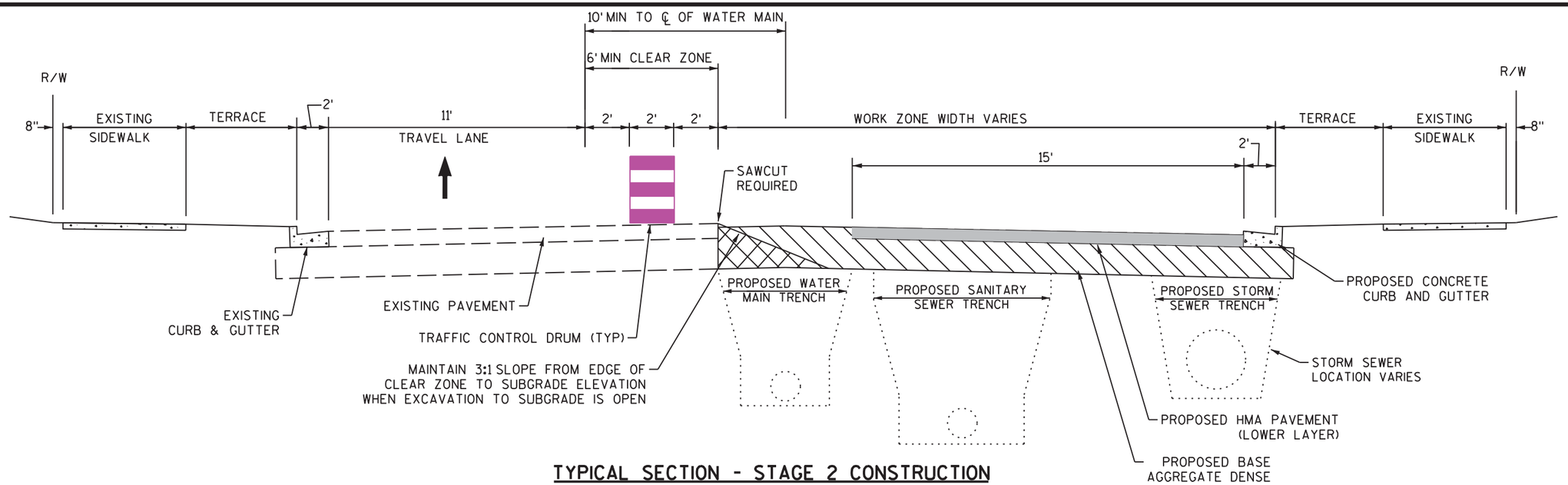
EAST JOHNSON STREET
(N BUTLER ST to N BLAIR ST)
STA. 8+50 to STA. 20+80
NTS



TYPICAL SECTION - STAGE 1 CONSTRUCTION

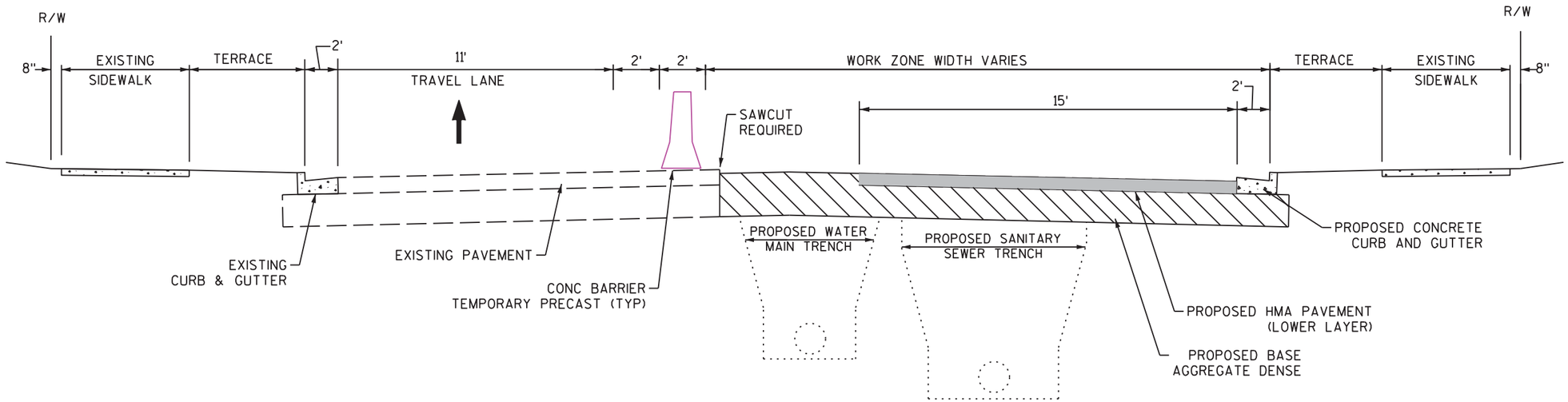
EAST JOHNSON STREET
(N BLAIR ST to N BALDWIN ST)
STA. 20+80 to STA. 69+53
NTS

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TYPICAL CONSTRUCTION SECTIONS	SHEET 178	E



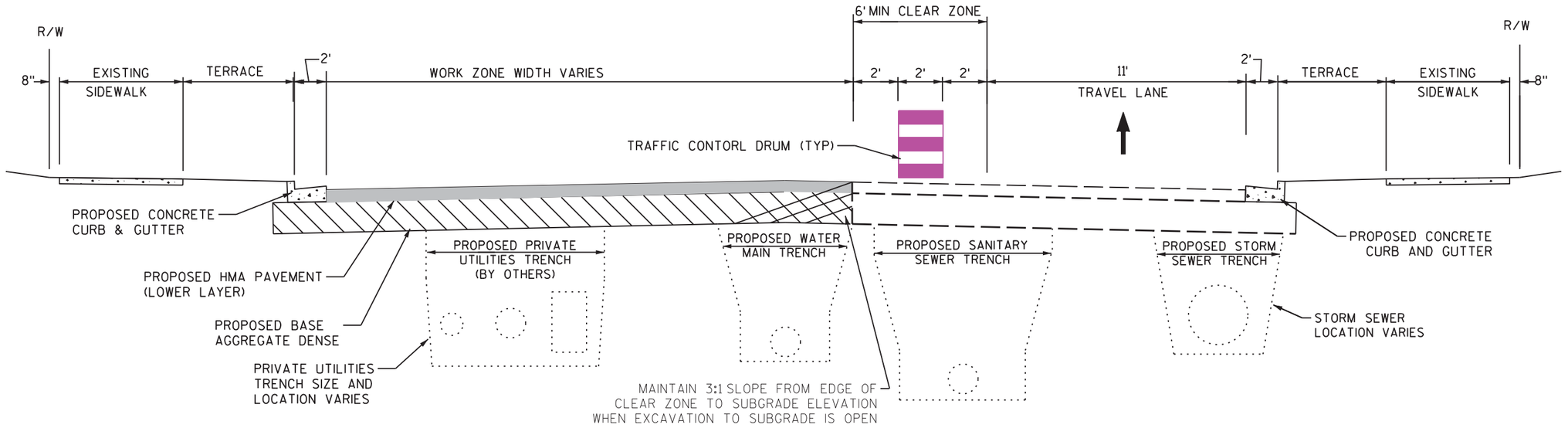
TYPICAL SECTION - STAGE 2 CONSTRUCTION

EAST JOHNSON STREET
(N BUTLER ST to N FEW ST)
STA. 10+60 to STA. 60+75
NTS



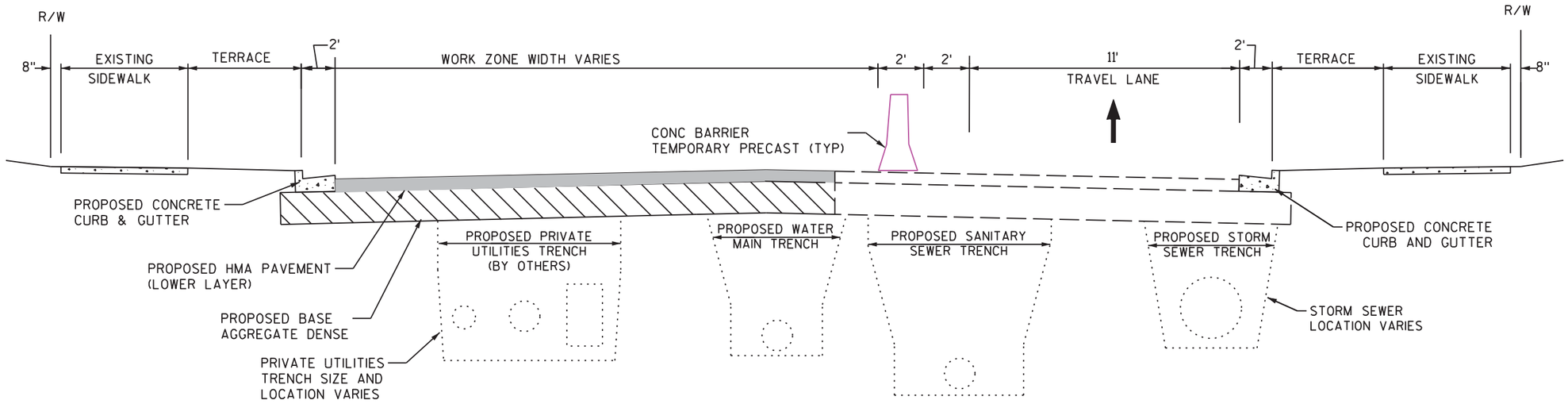
TYPICAL SECTION - STAGE 2 CONSTRUCTION

EAST JOHNSON STREET
(N FEW ST to N BALDWIN ST)
STA. 60+75 to STA. 65+75
NTS



TYPICAL SECTION - STAGE 3 CONSTRUCTION

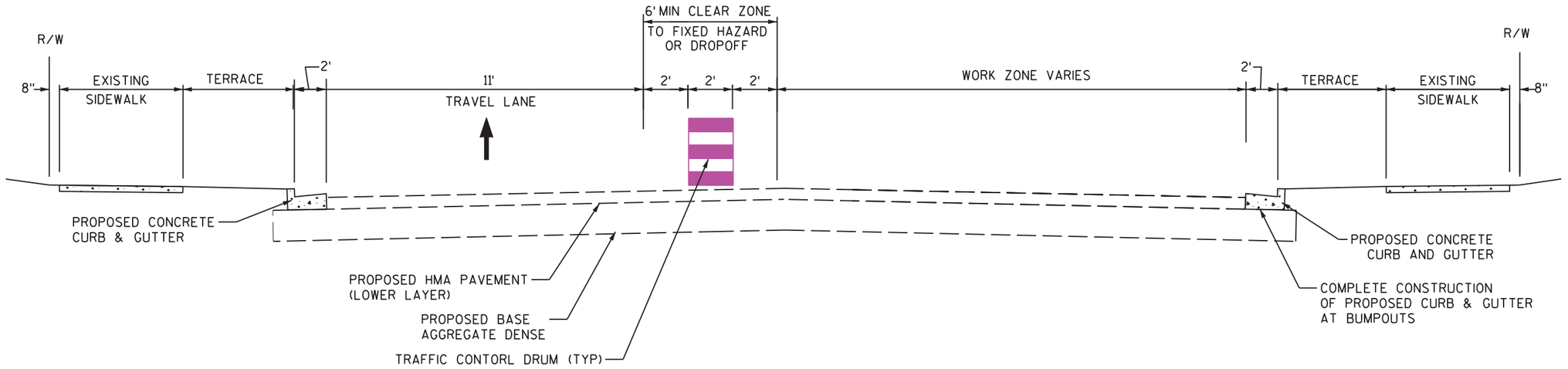
EAST JOHNSON STREET
(N BUTLER ST to N FEW ST)
STA. 10+60 to STA. 60+75
NTS



TYPICAL SECTION - STAGE 3 CONSTRUCTION

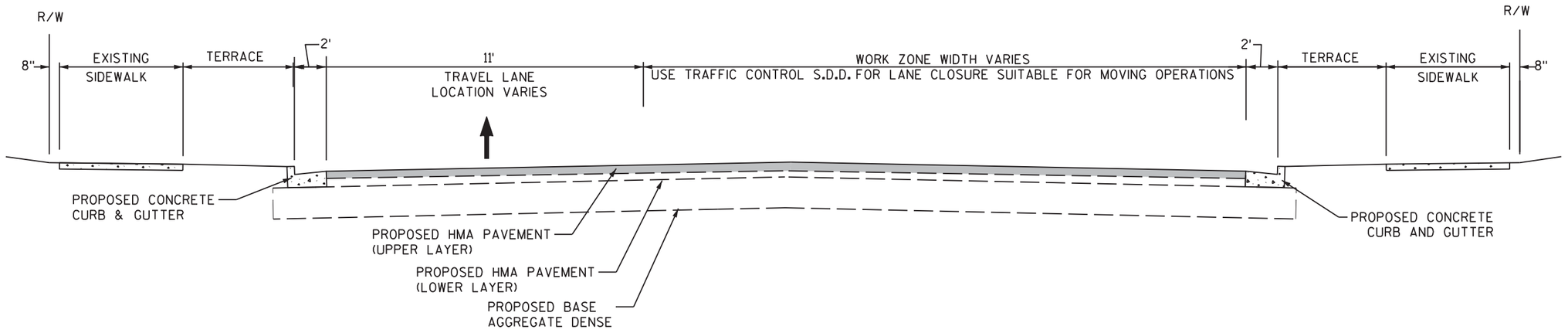
EAST JOHNSON STREET
(N FEW ST to N BALDWIN ST)
STA. 60+75 to STA. 65+75
NTS

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TYPICAL CONSTRUCTION SECTIONS	SHEET 180	E



TYPICAL SECTION - STAGE 4 CONSTRUCTION

EAST JOHNSON STREET
(N BUTLER ST to N BALDWIN ST)
STA. 10+60 to STA. 69+53
NTS



TYPICAL SECTION - STAGE 5 CONSTRUCTION

EAST JOHNSON STREET
(N BUTLER ST to N BALDWIN ST)
STA. 10+60 to STA. 69+53
NTS

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	TYPICAL CONSTRUCTION SECTIONS	SHEET 181	E

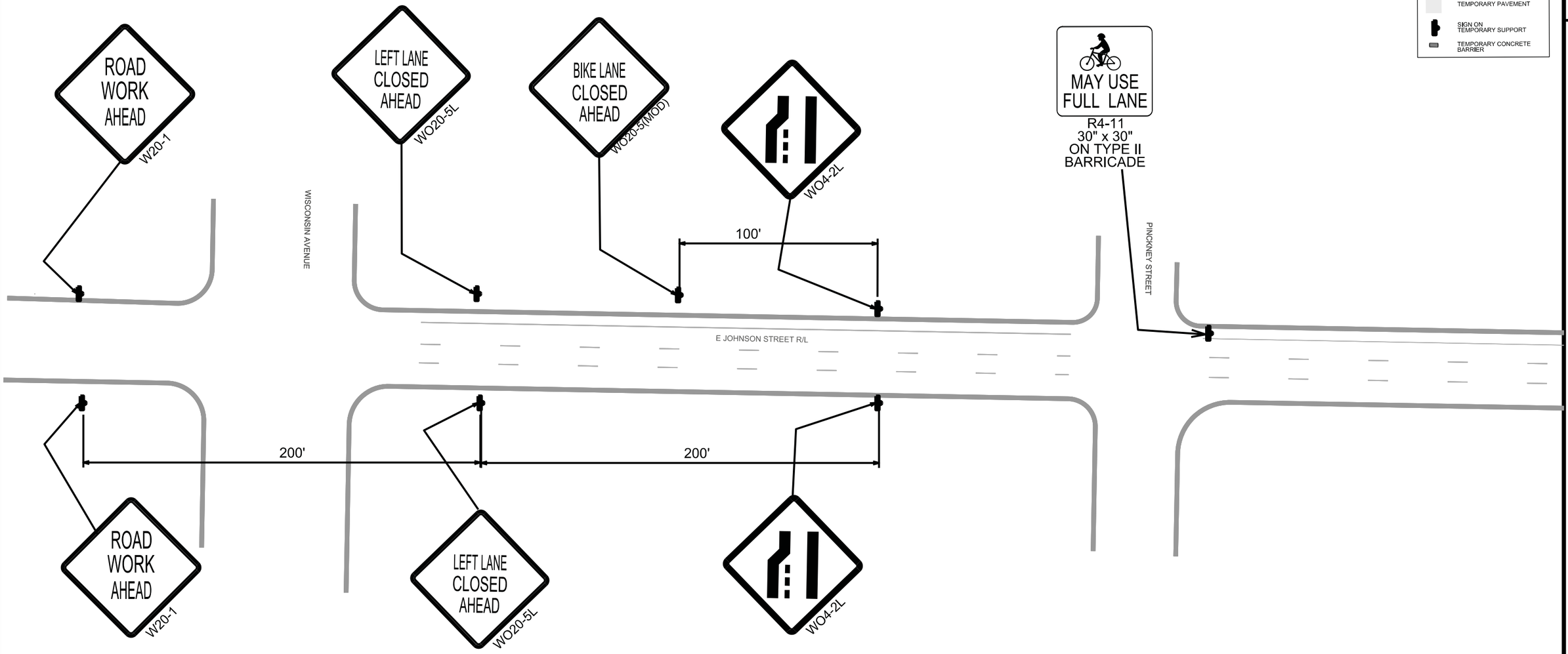
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

2

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 182 E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

2

ROAD WORK AHEAD W20-1

PLACE SIGNS AT HAMILTON AND GORHAM AND BUTLER AND GORHAM

105'

250'

N BUTLER STREET

N HAMILTON STREET

BIKE RACKS

E JOHNSON STREET R/L

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ROAD WORK AHEAD W20-1

PLACE SIGN AT HAMILTON DAYTON STREET INTERSECTION

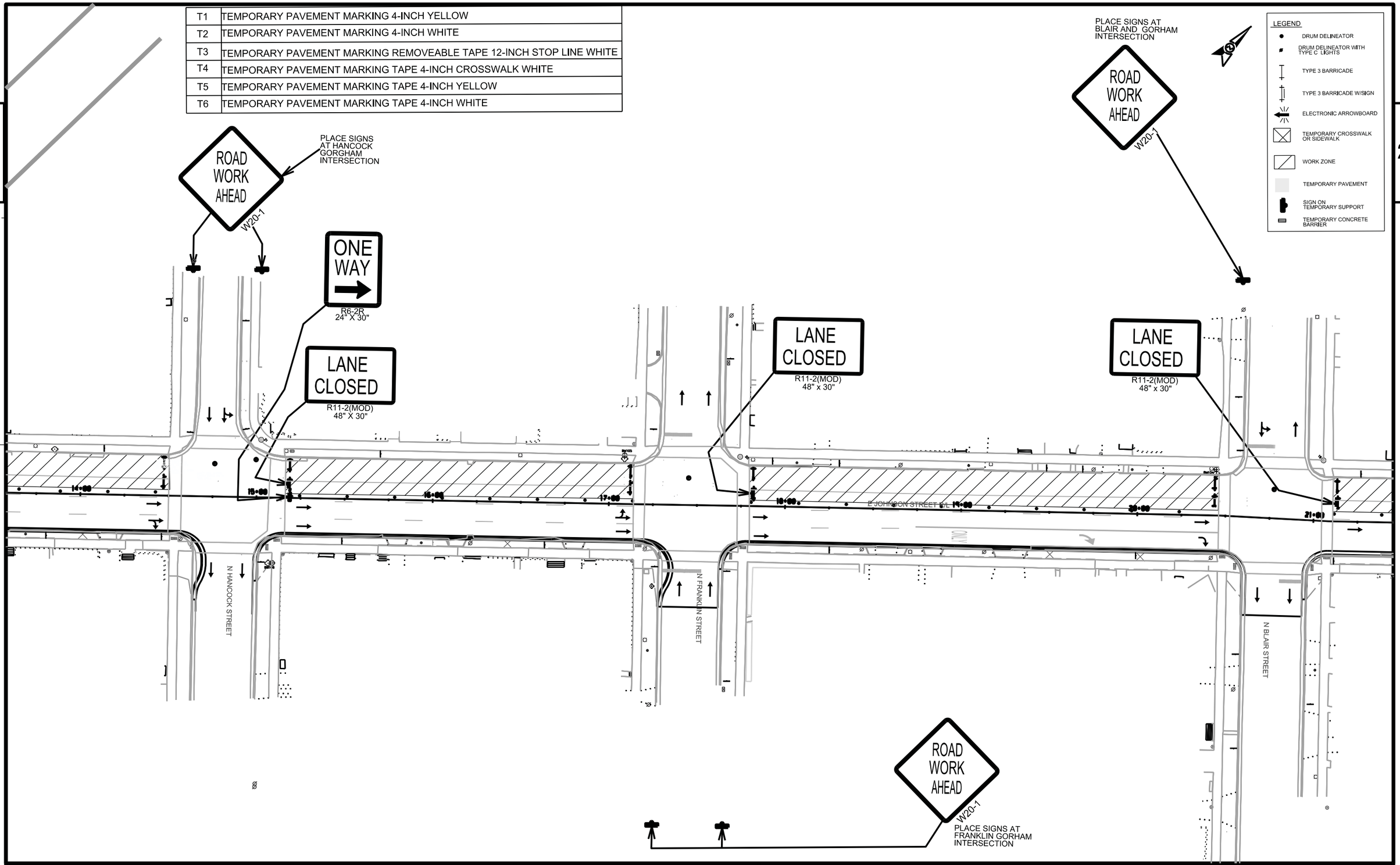
PLACE SIGN AT MIFFLIN STREET INTERSECTION

ROAD WORK AHEAD W20-1

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 183	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 184	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

ROAD WORK AHEAD
W20-1

PLACE SIGN AT BLOUNT AND GORGHAM STREET INTERSECTION

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

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

E JOHNSON STREET R/L

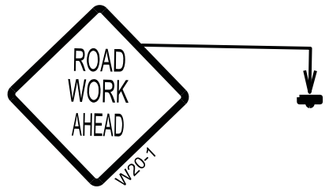
N BLOUNT STREET

ROAD WORK AHEAD
W20-1

PLACE SIGN AT BLOUNT AND DAYTON STREET INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 185	E

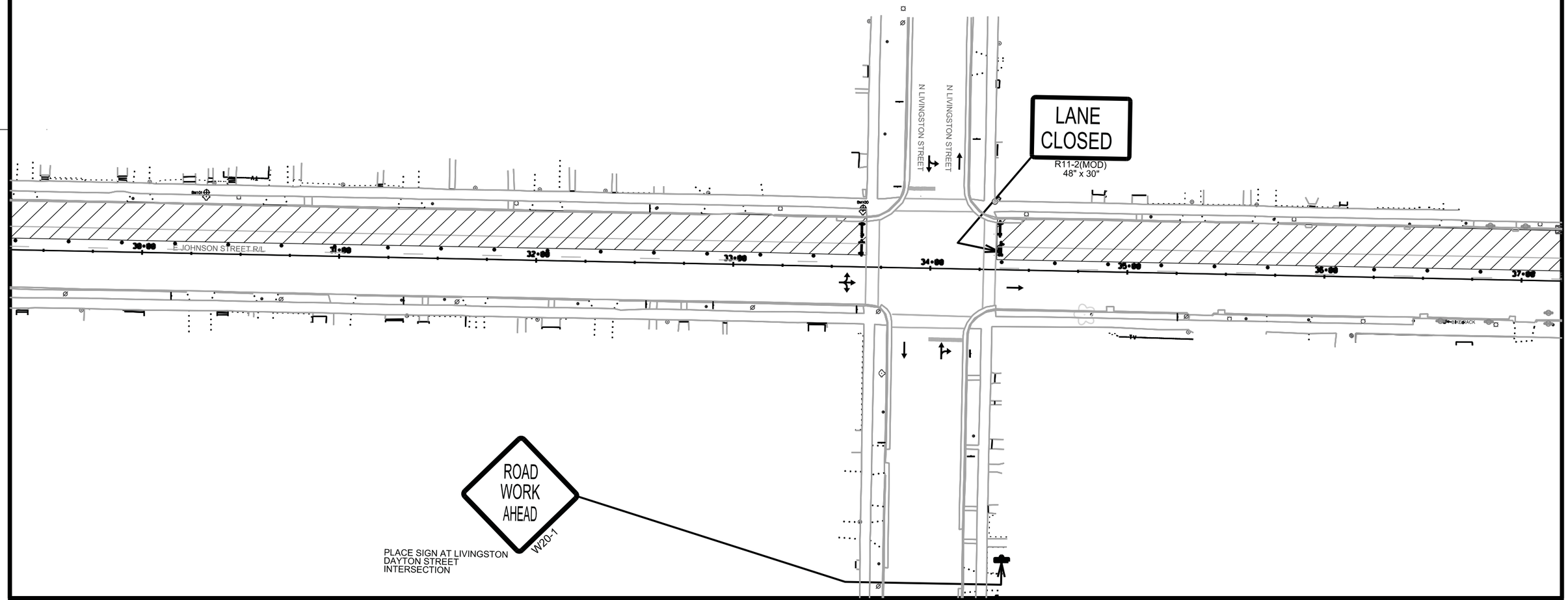
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PLACE SIGN AT LIVINGSTON
GORHAM STREET
INTERSECTION

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PLACE SIGN AT LIVINGSTON
DAYTON STREET
INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 186	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44

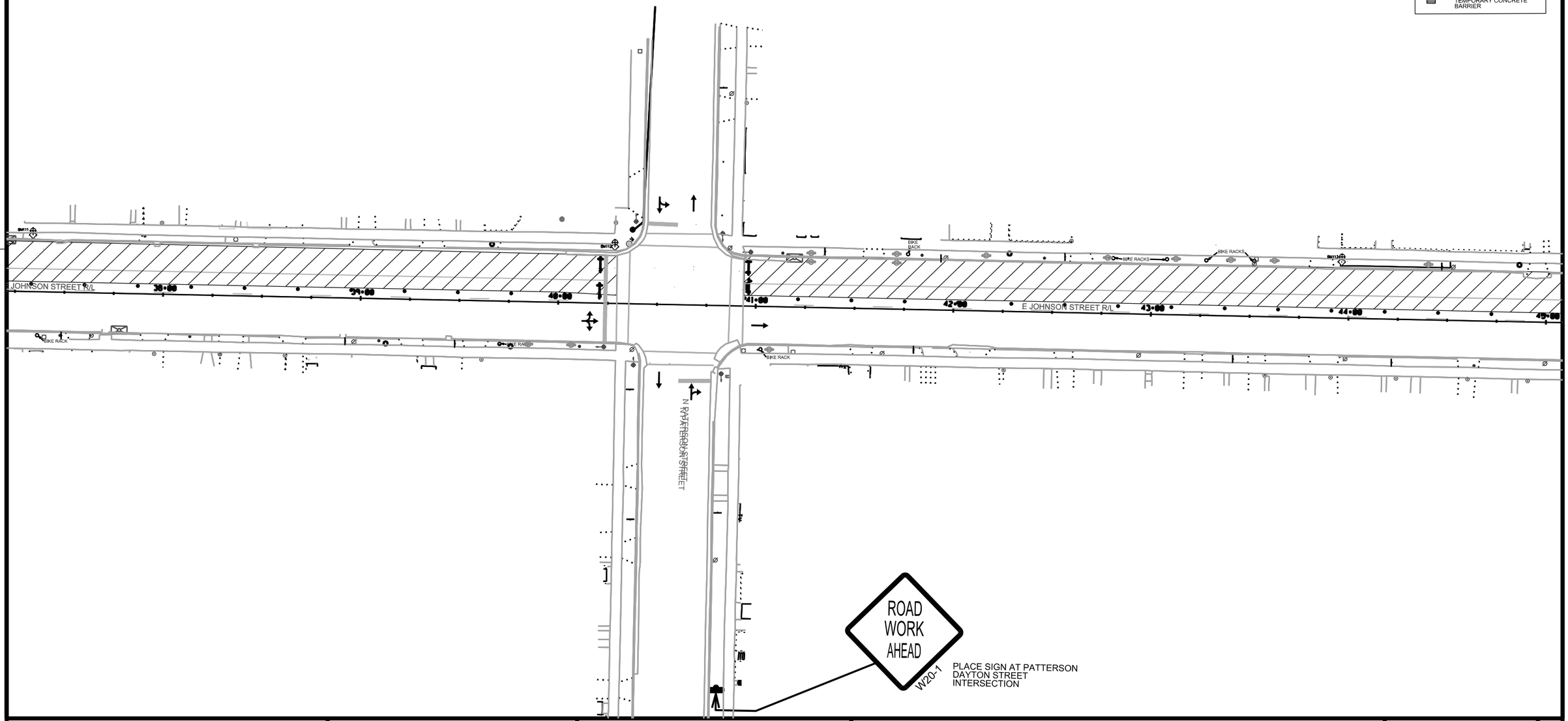
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

PLACE SIGN AT PATTERSON
GORHAM STREET
INTERSECTION

ROAD
WORK
AHEAD
W20-1

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 187 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ROAD WORK AHEAD
W20-1

PLACE SIGN AT BREARLY GORHAM STREET INTERSECTION

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

E JOHNSON STREET R/L

N BREARLY STREET

ROAD WORK AHEAD
W20-1

PLACE SIGN AT BREARLY DAYTON STREET INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 188	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

PLACE SIGN AT INGERSOLL
GORHAM STREET
INTERSECTION

ROAD WORK AHEAD
W20-1

ROAD WORK AHEAD
W20-1

PLACE SIGN AT FEW
GORHAM STREET
INTERSECTION

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

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

LANE CLOSED
R11-2(MOD)
48" x 30'

E JOHNSON STREET R/L

54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

N INGERSOLL STREET

N FEW STREET

ROAD WORK AHEAD
W20-1

PLACE SIGN AT INGERSOLL
DAYTON STREET
INTERSECTION

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

ROAD WORK AHEAD
W20-1

PLACE SIGN AT FEW
DAYTON STREET
INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 189	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

2

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ONLY
R3-50R
30" X 36"

END ROAD WORK
G20-1
48" x 24"

INSTALL TEMP PAVEMENT
4" ASPHALTIC SURFACE TEMPORARY OVER
8" BASE AGGREGATE DENSE 1.25"
FOR PHASE 2

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

E GORHAM STREET

E JOHNSON STREET R/L

E JOHNSON STREET P/L

62+00 63+00 64+00 65+00 66+00 67+00 68+00

N BALDWIN STREET

ROAD CLOSED
R11-2

INSTALL TEMP PAVEMENT
4" ASPHALTIC SURFACE TEMPORARY OVER
8" BASE AGGREGATE DENSE 1.25"
FOR PHASE 2

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 190	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

2

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

LANE CLOSED
R11-2(MOD)
48" x 30'

WO4-2L

LEFT LANE CLOSED AHEAD
W20-5L

ROAD WORK AHEAD
W20-1

MARSTON AVENUE

INSTALL TEMP PAVEMENT FOR PHASE 2

END ROAD WORK
G20-1
48" x 24"

DICKINSON STREET

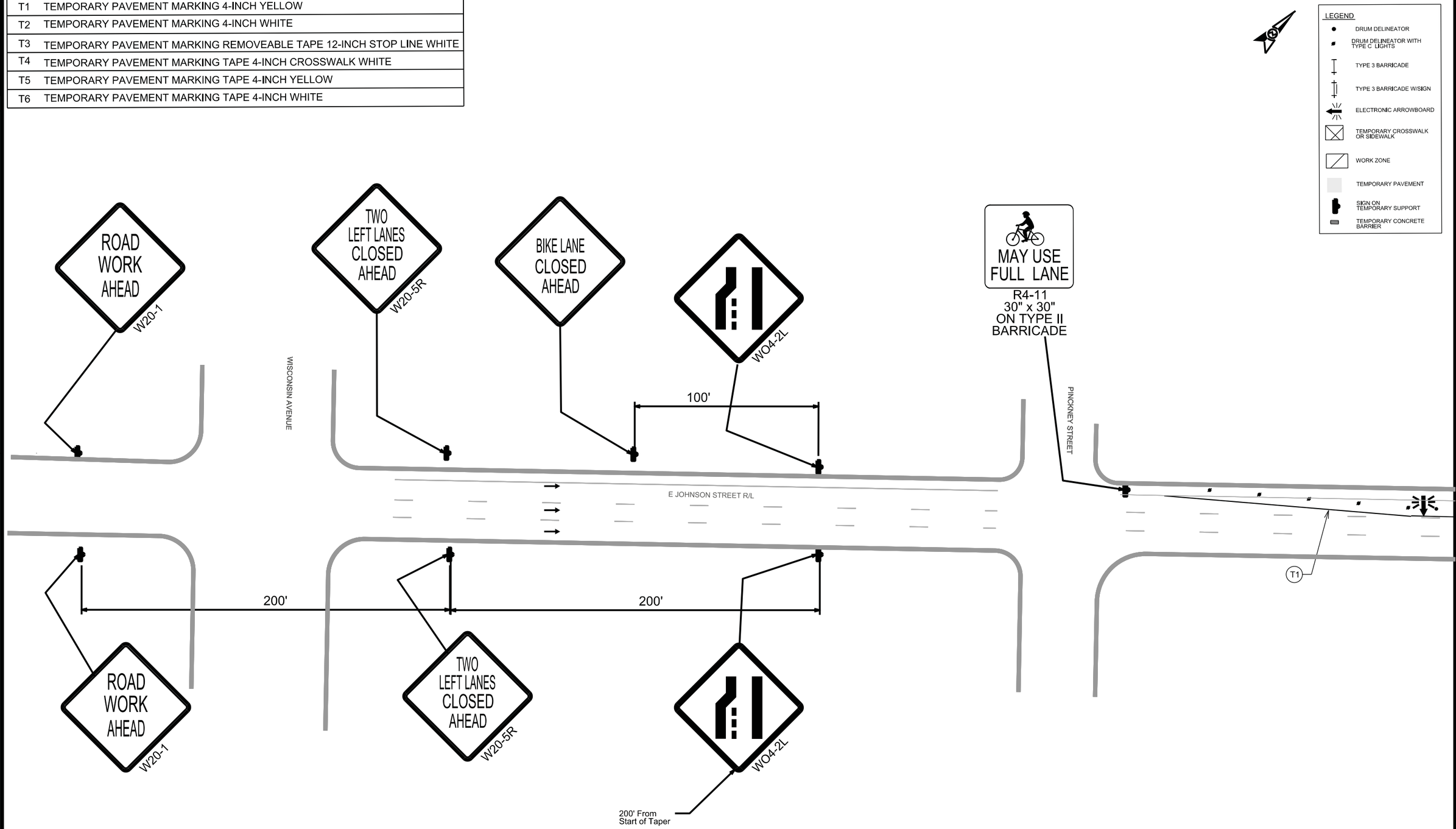
WO4-2L

LEFT LANE CLOSED AHEAD
W20-5L

ROAD WORK AHEAD
W20-1

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 1	SHEET 191	E

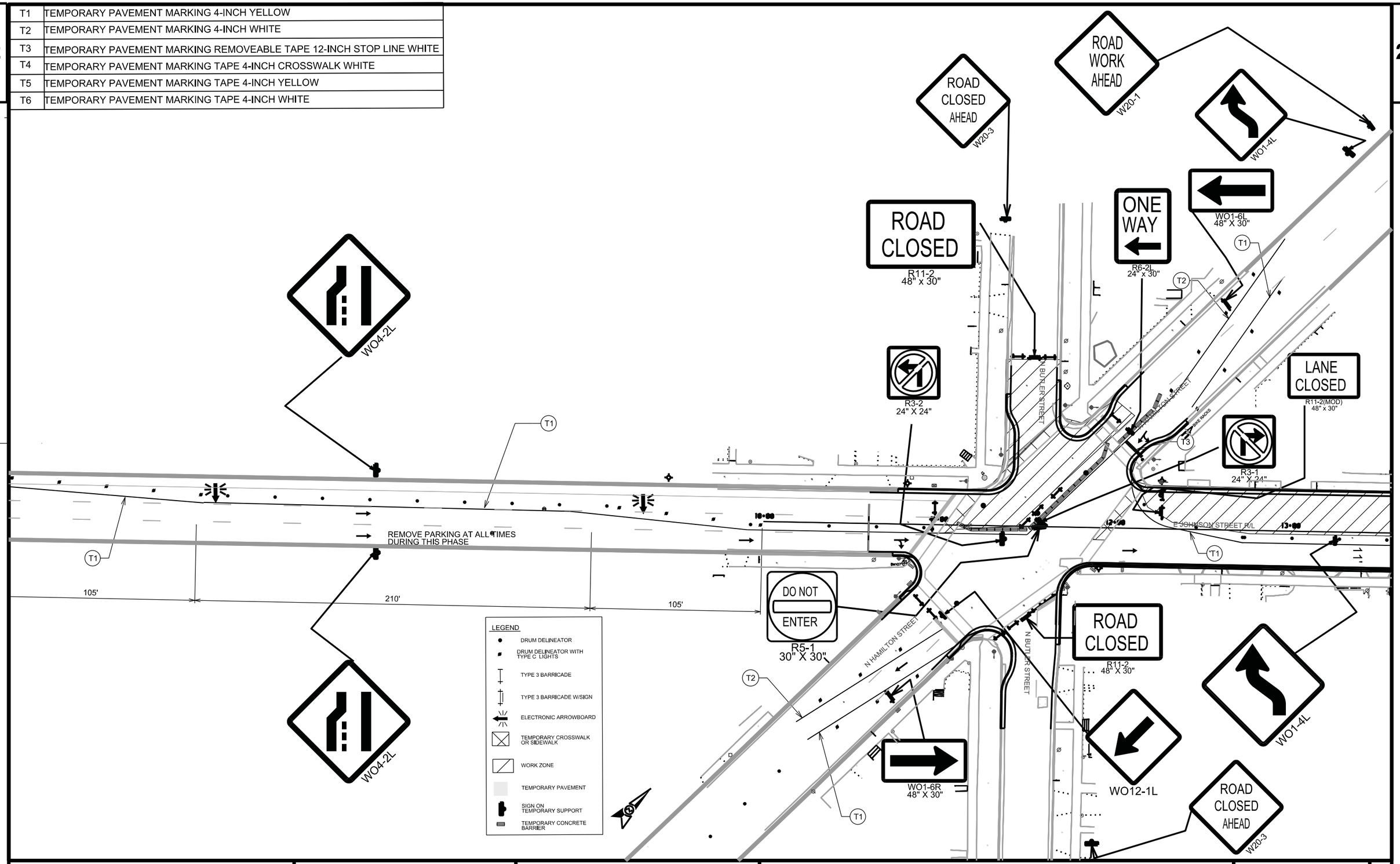
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A	SHEET 192 E

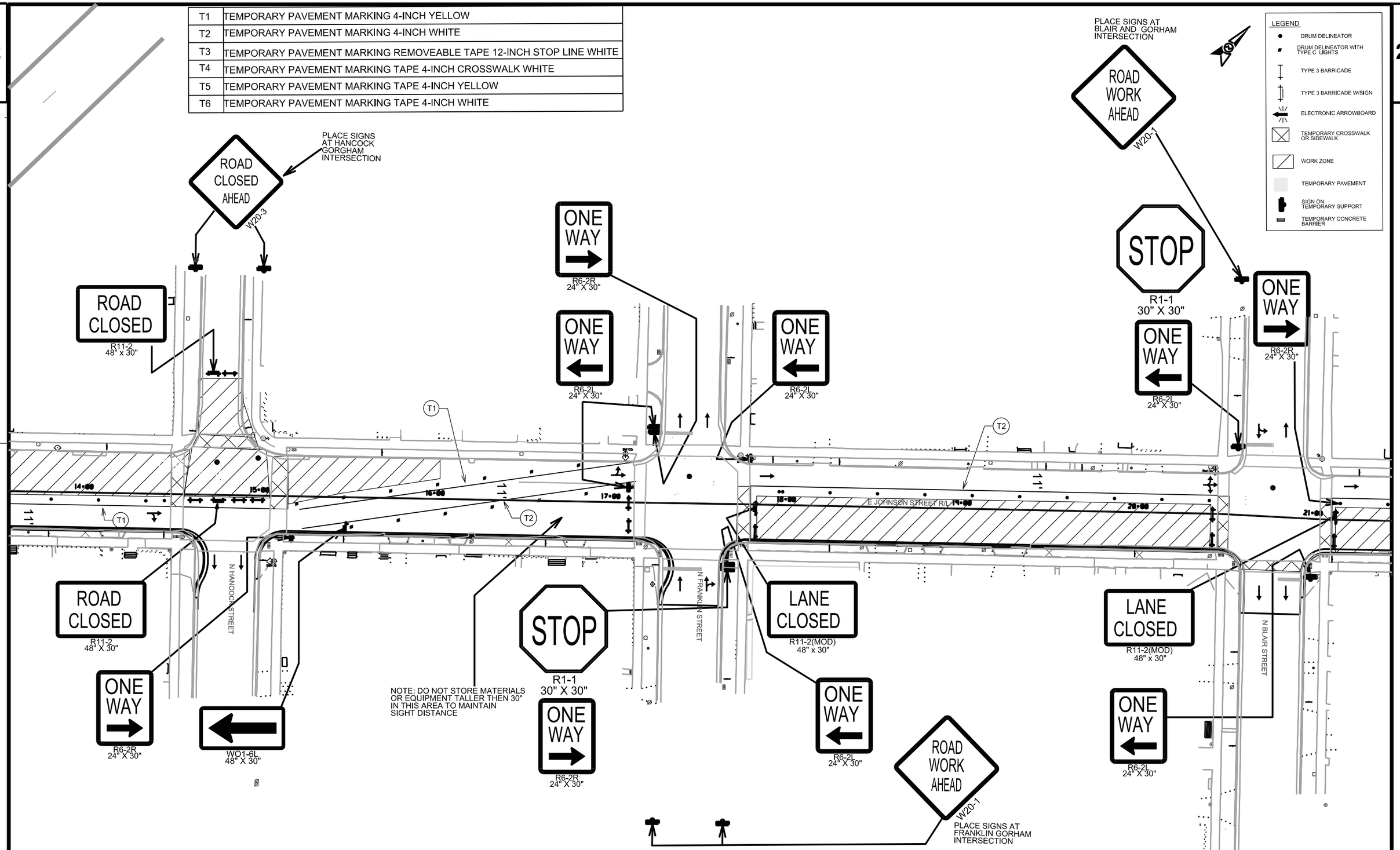
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A	SHEET 193	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

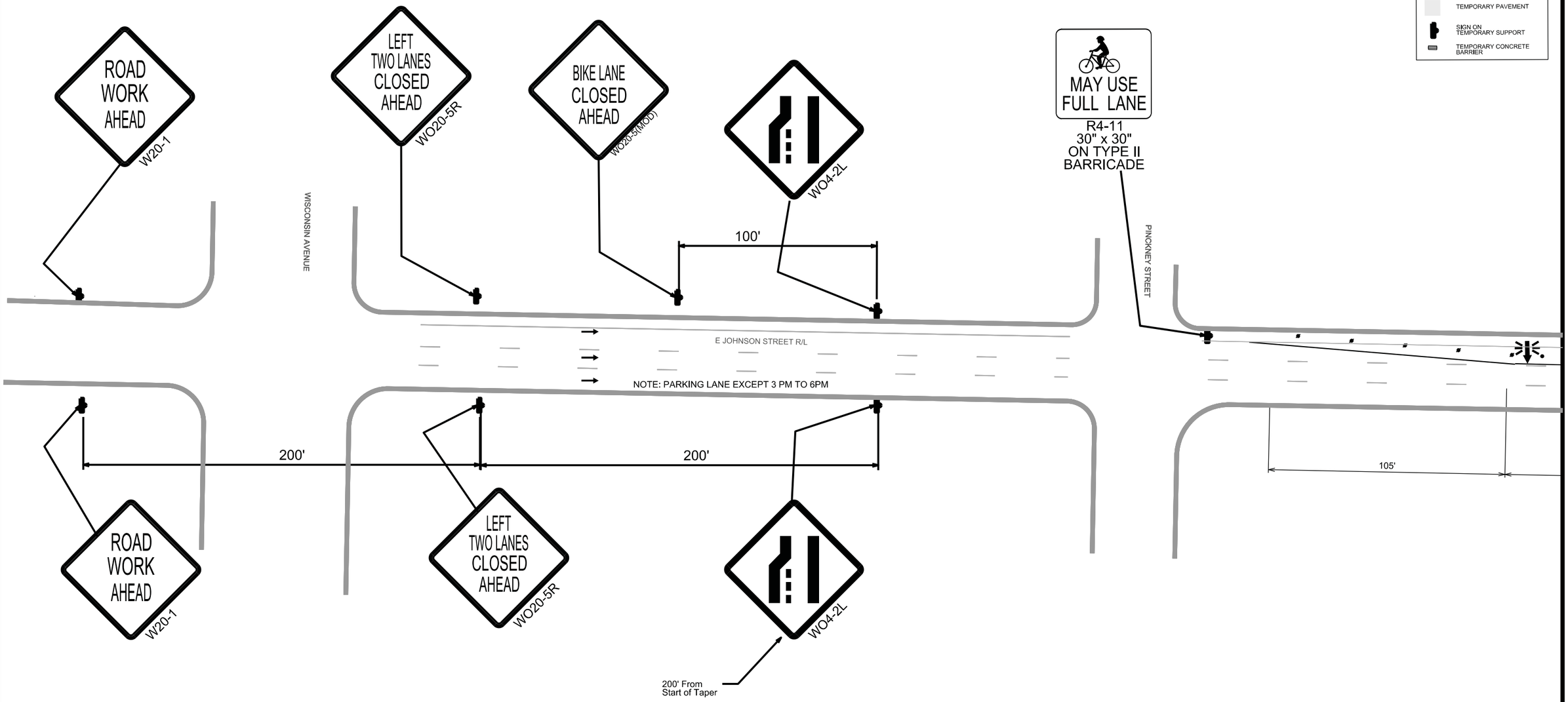


PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A	SHEET 194	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

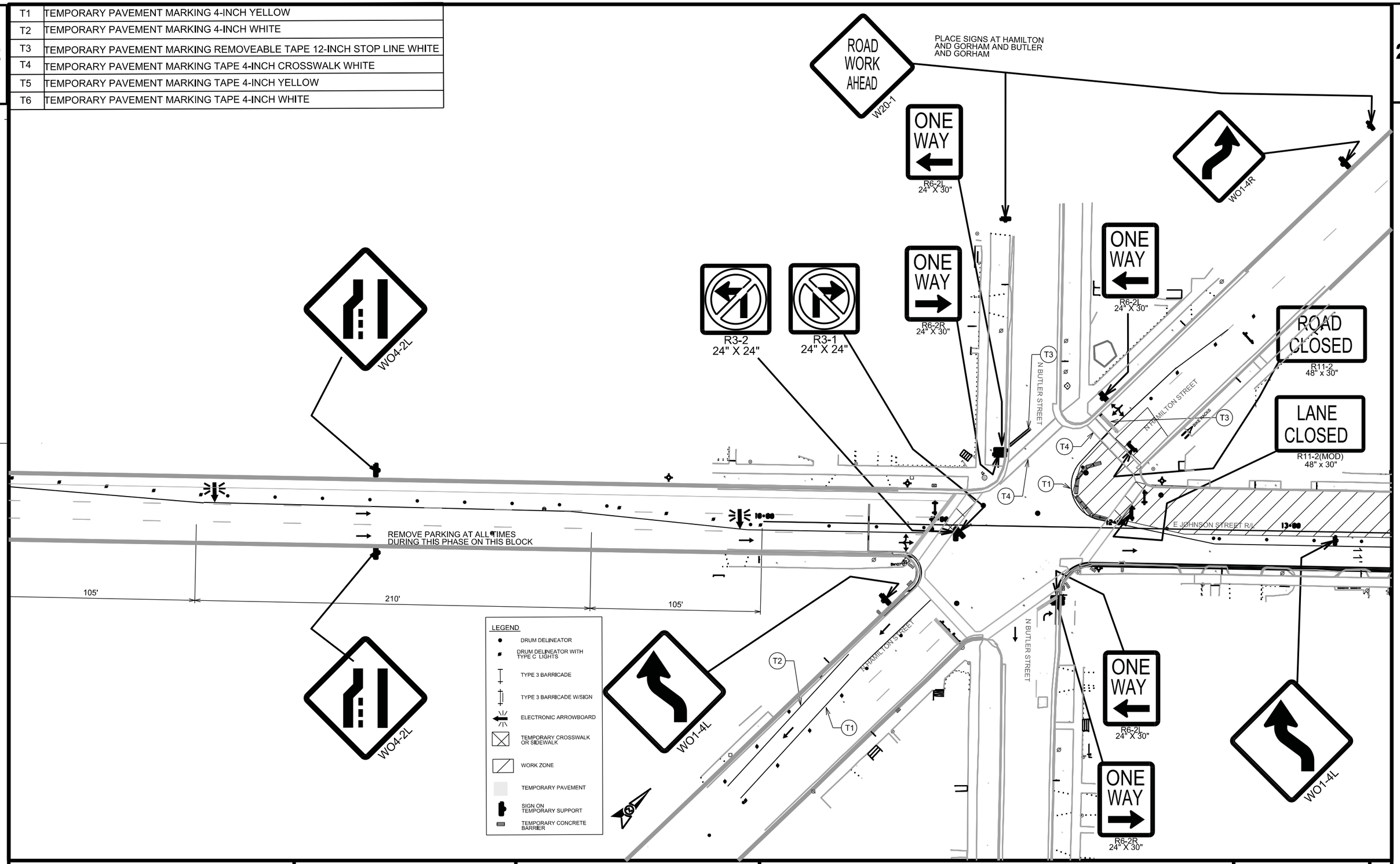


PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2B	SHEET 195 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

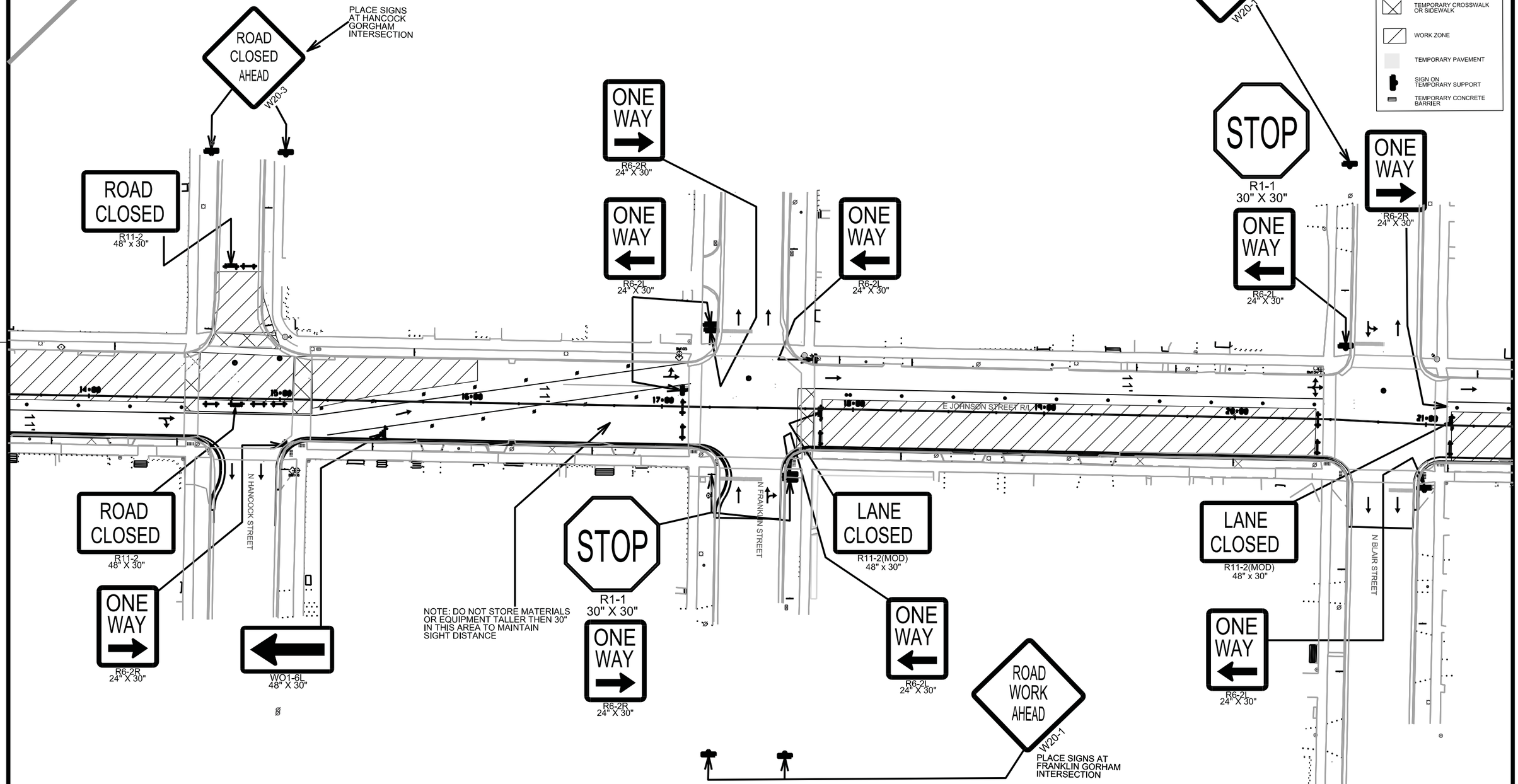
2	T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
	T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
	T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
	T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
	T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
	T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2B	SHEET 196	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

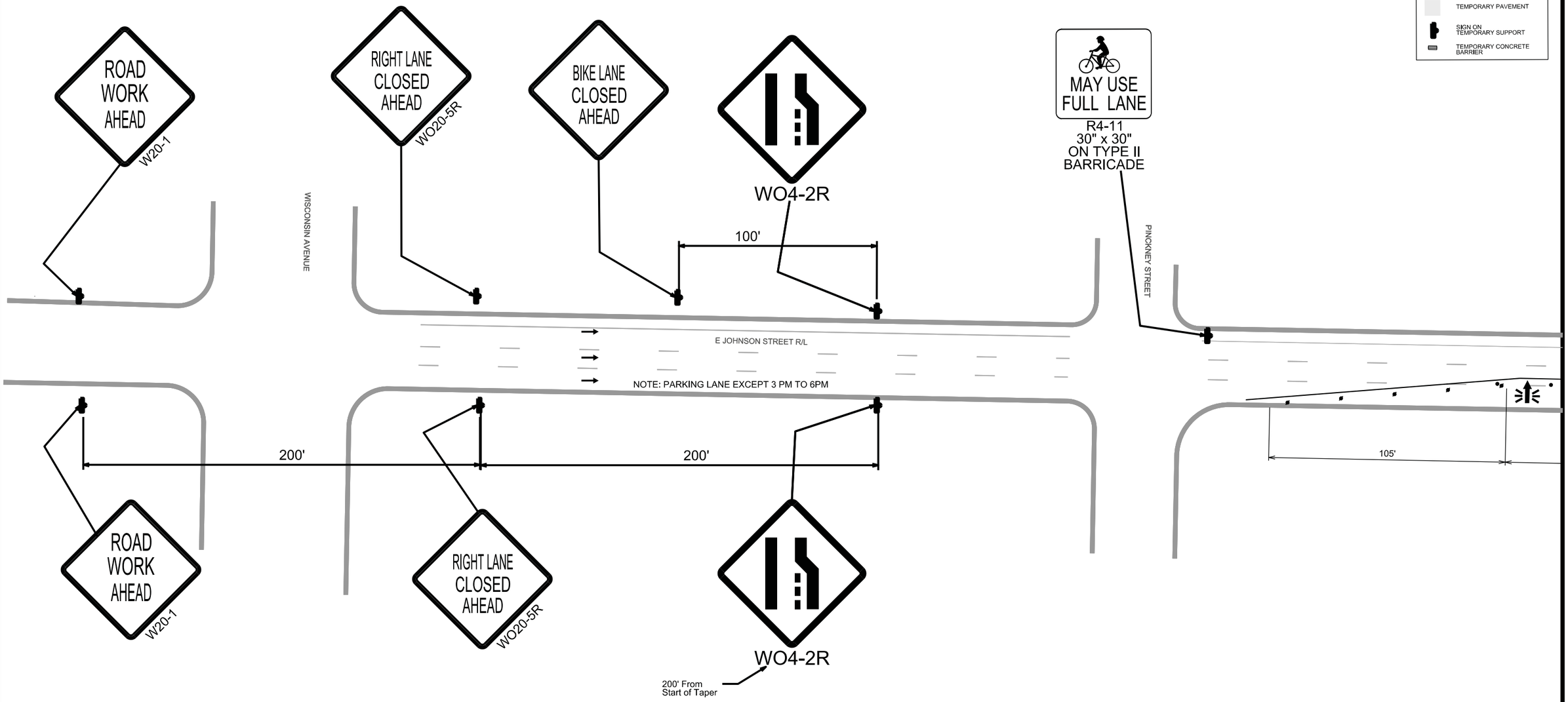


2

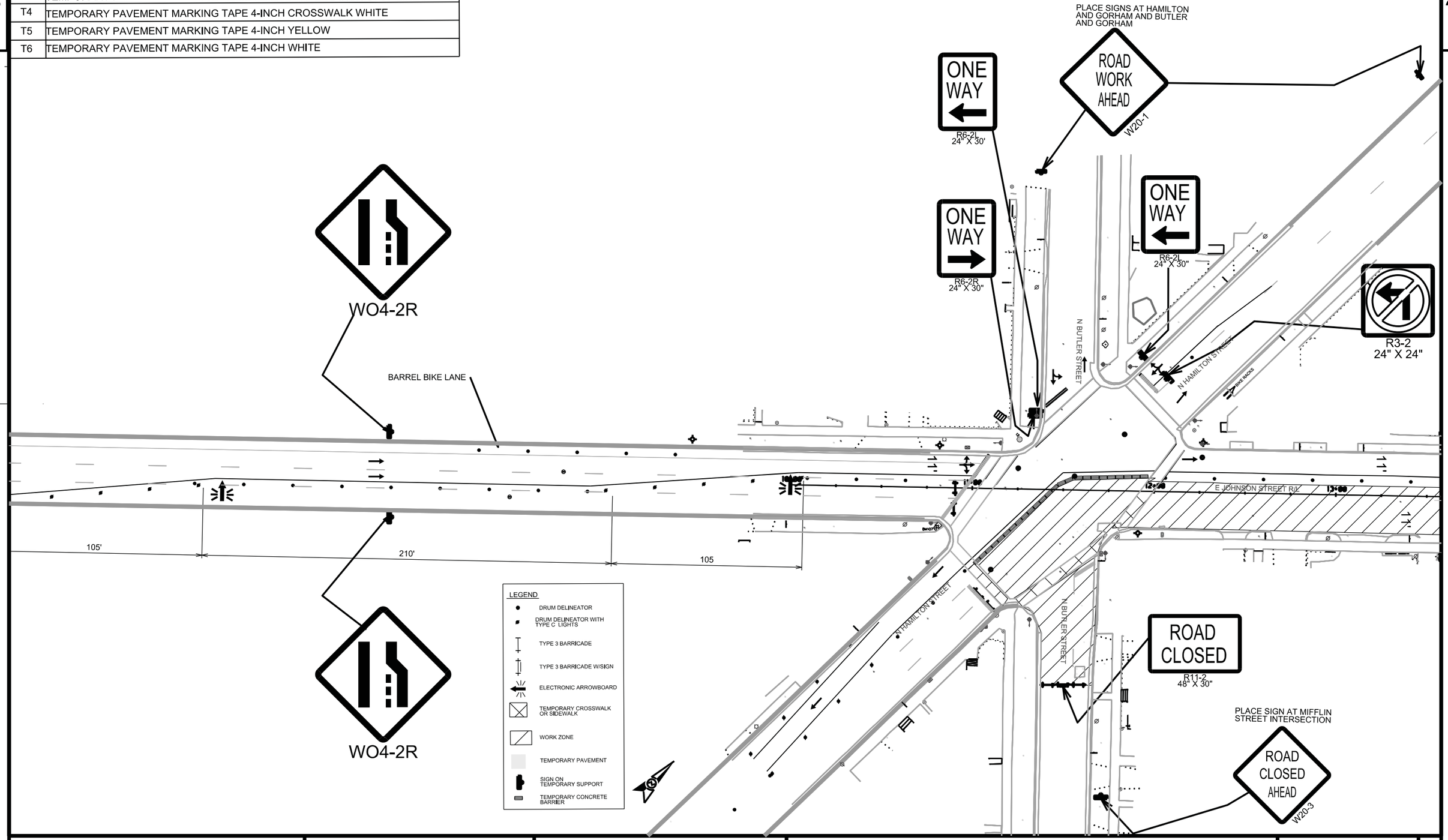
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

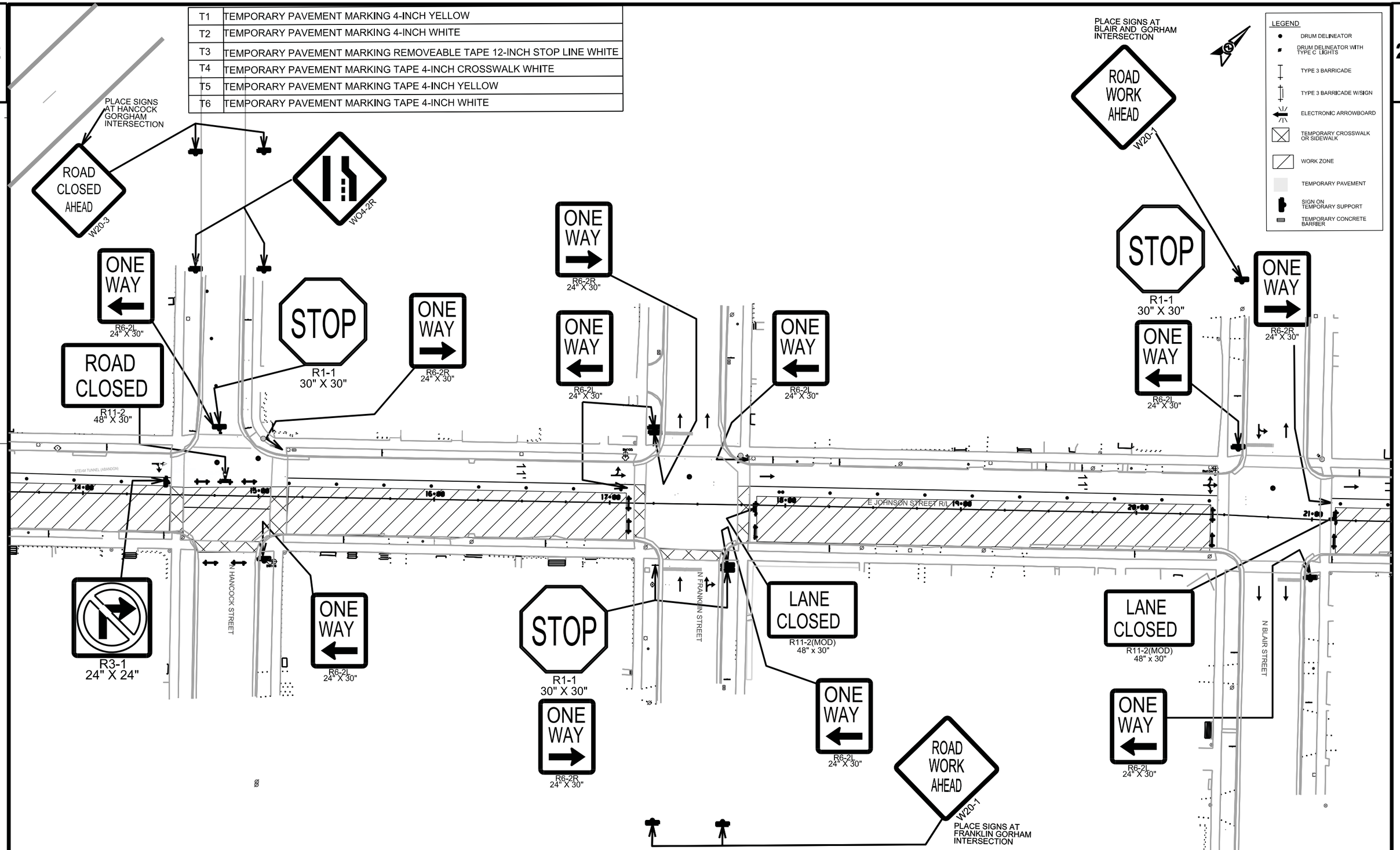


T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW	
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE	
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE	
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE	
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW	
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE	



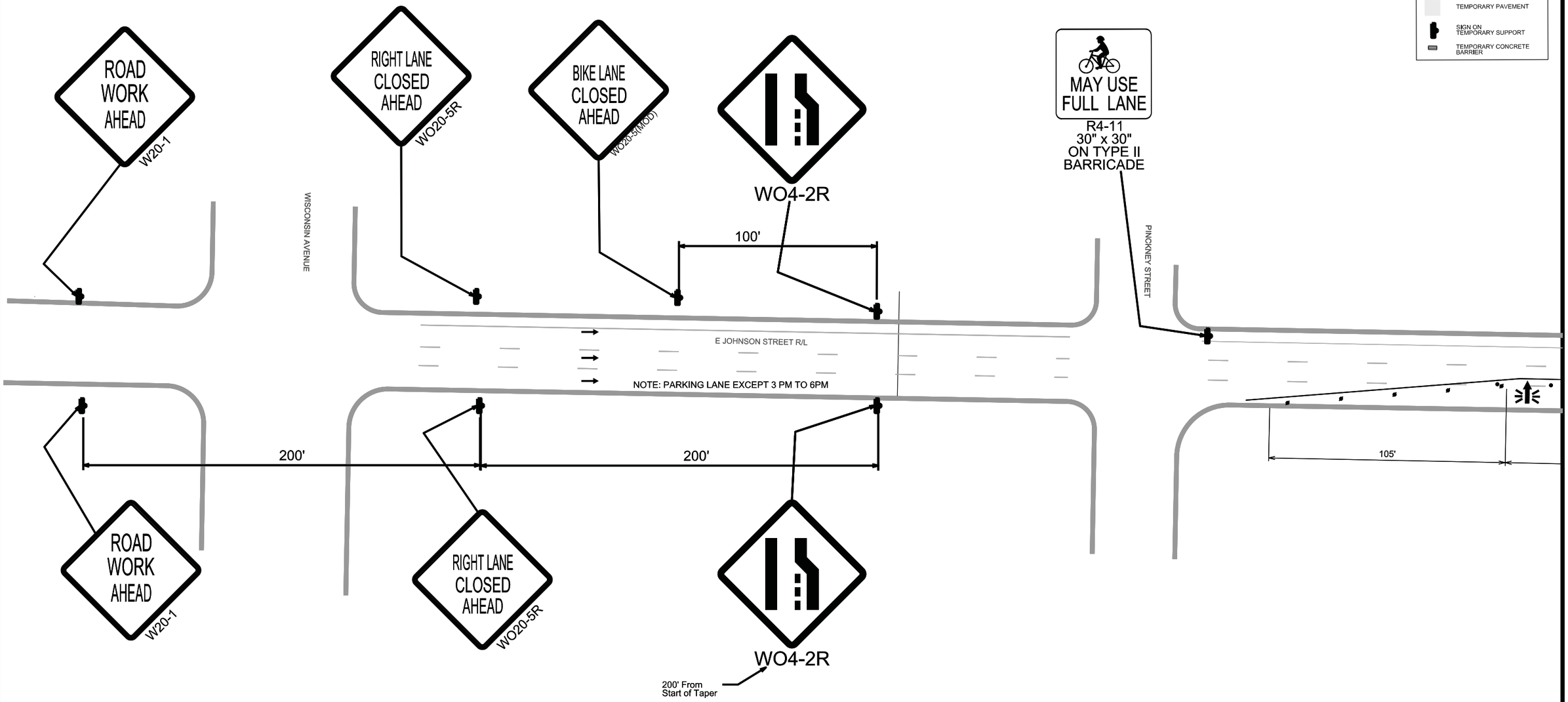
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2C	SHEET 199	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

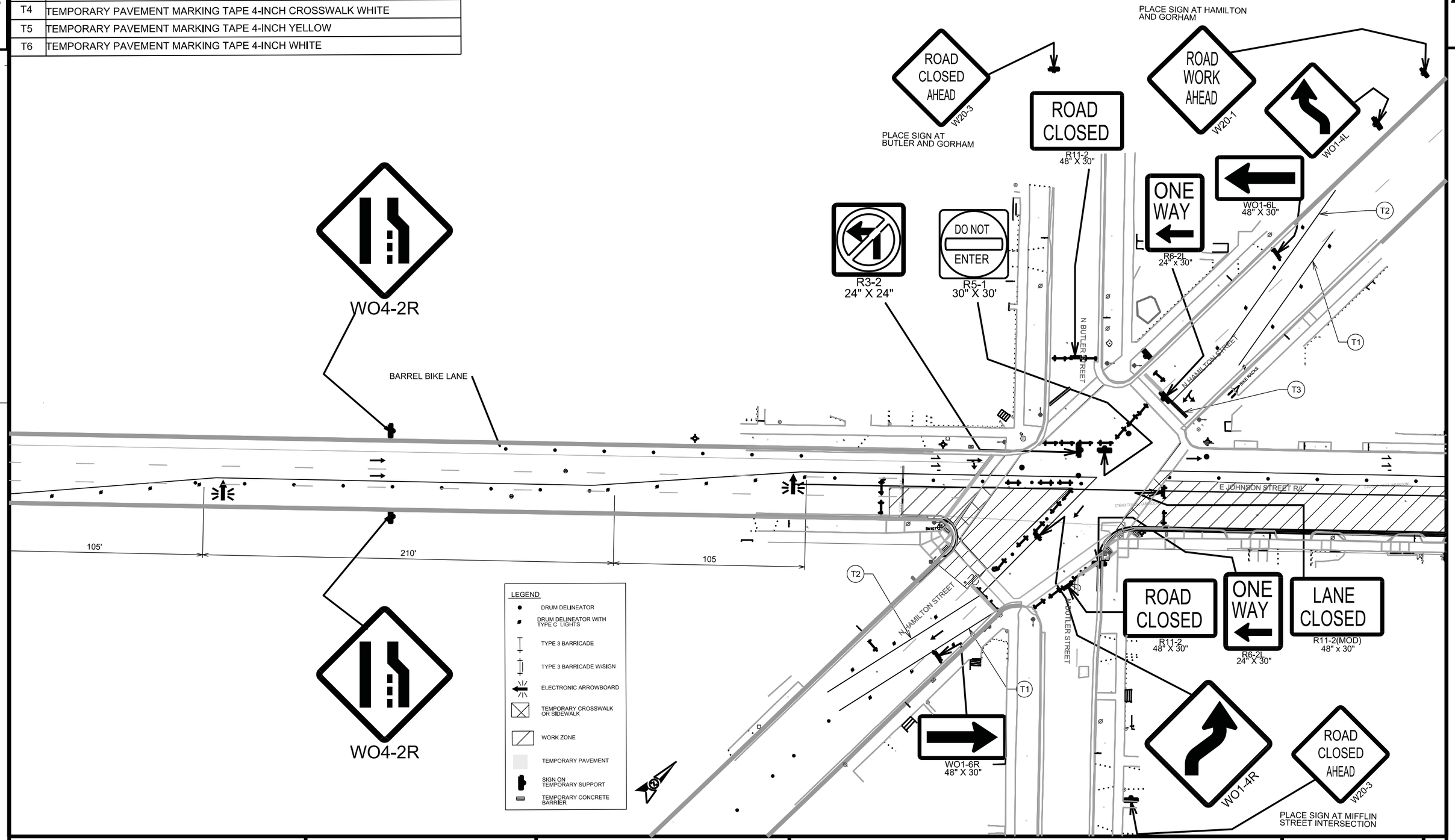
LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2D	SHEET 201 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

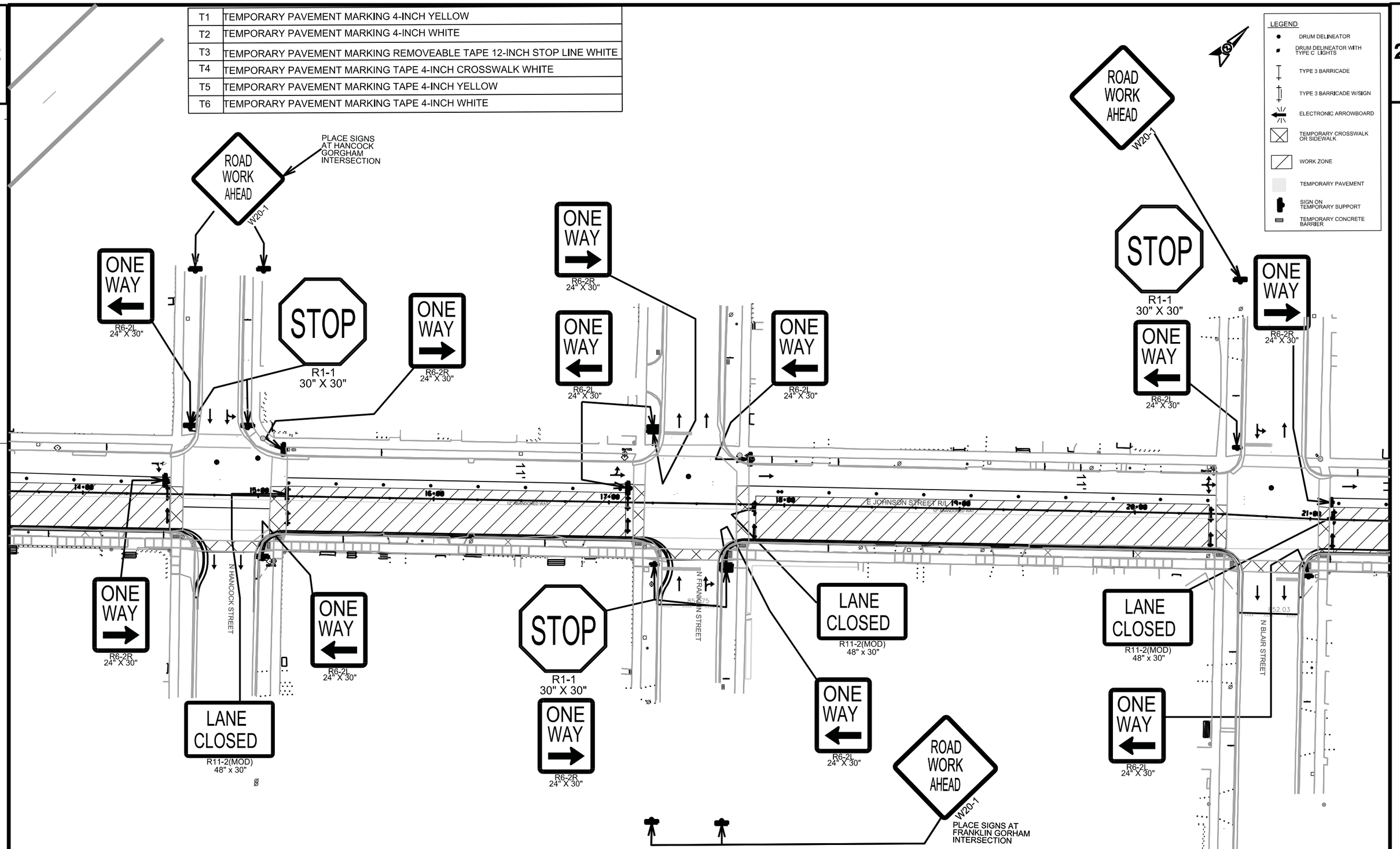
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2D	SHEET 202	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2D	SHEET 203 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

ROAD WORK AHEAD
W20-1

PLACE SIGN AT BLOUNT AND GORGHAM STREET INTERSECTION

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ONE WAY
R6-2L
24" X 30"

ONE WAY
R6-2R
24" X 30"

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

T2

E JOHNSON STREET R/L

N BLOUNT STREET

BIKE RE

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

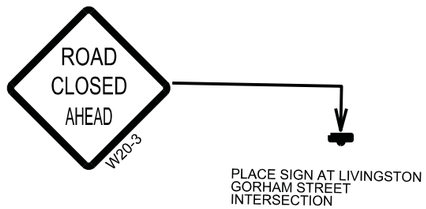
STOP HERE ON RED
R10-6
24" X 36"

ROAD WORK AHEAD
W20-1

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A,2B,2C,2D	SHEET 204	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PLACE SIGN AT LIVINGSTON
GORHAM STREET
INTERSECTION

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

R1-1
30" X 30"

R6-2L
24" X 30"

R6-2L
24" X 30"

R11-2
48" x 30"

N LIVINGSTON STREET

N LIVINGSTON STREET

T2

T2

E JOHNSON STREET R/L

30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00

R11-2
48" x 30"

PLACE SIGN AT LIVINGSTON
DAYTON STREET
INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A,2B,2C,2D	SHEET 205	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

PLACE SIGN AT PATTERSON GORHAM STREET INTERSECTION

ROAD WORK AHEAD
W20-1

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

T2

E JOHNSON STREET B/L

BIKE RACK

BIKE RACKS

N PATERSON STREET

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

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

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

ROAD WORK AHEAD
W20-1

PLACE SIGN AT PATTERSON DAYTON STREET INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A,2B,2C,2D	SHEET 206	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ROAD WORK AHEAD
W20-1
PLACE SIGN AT BREARLY GORHAM STREET INTERSECTION

STOP
R1-1
30" X 30"

ONE WAY
R6-2L
24" X 30"

ONE WAY
R6-2R
24" X 30"

T2

E JOHNSON STREET P/L

N BREARLY STREET

MAINTAIN CROSSING AT ALL TIMES IN SATISFACTORY CONDITION FOR BICYCLE CROSSINGS PER SPV

STOP
R1-1
30" X 30"

ONE WAY
R6-2L
24" X 30"

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

ONE WAY
R6-2R
24" X 30"

ROAD WORK AHEAD
W20-1
PLACE SIGN AT BREARLY DAYTON STREET INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A,2B,2C,2D	SHEET 207	E

2

PLACE SIGN AT INGERSOLL
GORHAM STREET
INTERSECTION

ROAD WORK AHEAD
W20-1

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

ROAD CLOSED AHEAD
W20-3

PLACE SIGN AT FEW
GORHAM STREET
INTERSECTION

STOP
R1-1
30" X 30"

ONE WAY
R6-2L
24" X 30"

ONE WAY
R6-2L
24" X 30"

ROAD CLOSED
R11-2
48" x 30"

T2

E JOHNSON STREET R/L

54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

N INGERSOLL STREET

S FEW STREET

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

ROAD CLOSED
R11-2
48" x 30"

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

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

ROAD WORK AHEAD
W20-1

PLACE SIGN AT INGERSOLL
DAYTON STREET
INTERSECTION

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

ROAD CLOSED AHEAD
W20-3

PLACE SIGN AT FEW
DAYTON STREET
INTERSECTION

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A,2B,2C,2D	SHEET 208 E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

END ROAD WORK
G20-1
48" X 24"

ONLY
R3-50R
30" X 36"

ROAD CLOSED AHEAD
W20-3

PLACE SIGN AT BALDWIN ELIZABETH STREET INTERSECTION

R3-2
24" X 24"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

WO1-4L

E GORHAM STREET

T2

T2

T1

E JOHNSON STREET RIL

E JOHNSON STREET RIL

N BALDWIN STREET

WO1-4R

ROAD CLOSED
R11-2
48" X 30"

WO1-6R

PLACE TYPE III BARRICADE AT EAST WASHINGTON AND BALDWIN INTERSECTION WITH R11-4 ROAD CLOSED TO THRU TRAFFIC SIGN ATTACHED

PLACE PORTABLE CHANGEABLE MESSAGE SIGN ON EASTBOUND EAST WASHINGTON PRIOR TO BALDWIN STREET

MESSAGE SHALL READ AS FOLLOWS
PHASE 1:
BALDWIN
CLOSED

PHASE2:
NO THRU
TRAFFIC

ROAD CLOSED AHEAD
W20-3

PLACE SIGN AT BALDWIN DAYTON STREET INTERSECTION

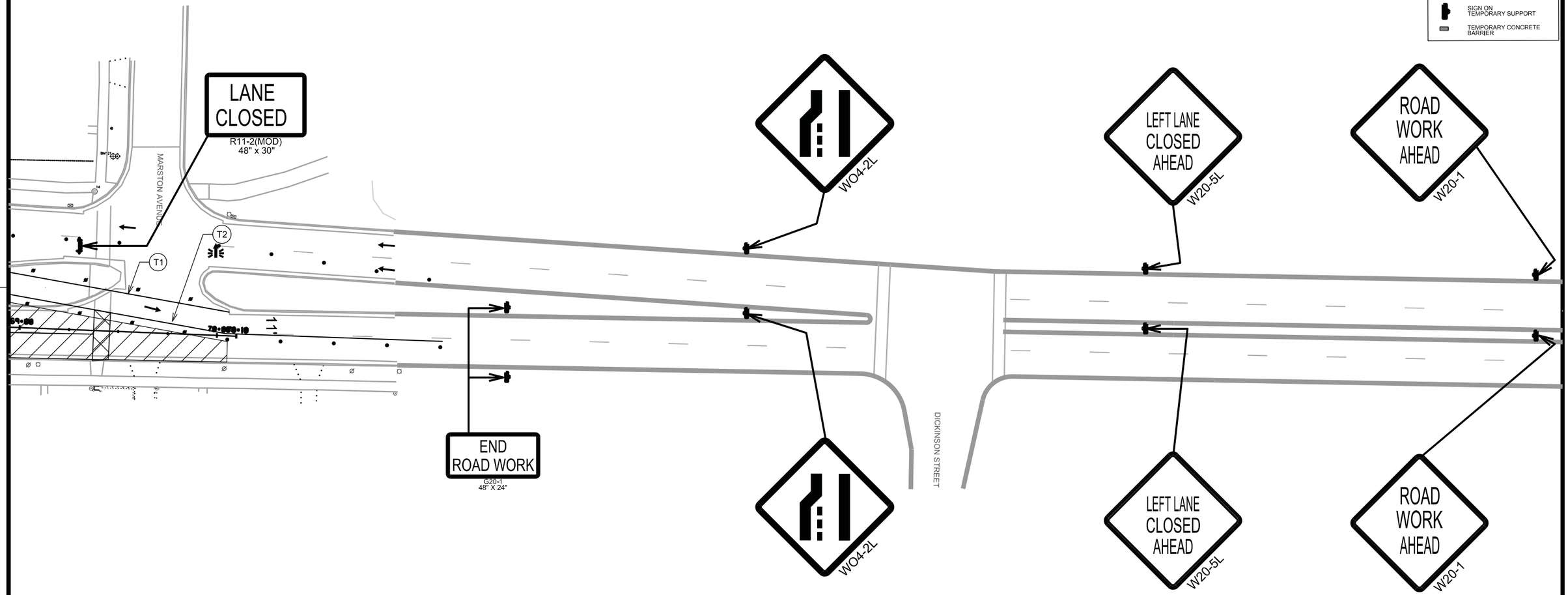
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A	SHEET 209	E

2

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



2

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A	SHEET 210	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

2

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

END ROAD WORK
G20-1
48" X 24"

ONLY
R3-50R
30" X 36"

ROAD CLOSED AHEAD
W20-3

PLACE SIGN AT BALDWIN ELIZABETH STREET INTERSECTION

R3-2
24" X 24"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

WO1-4L

E GORHAM STREET

E JOHNSON STREET P/L

E JOHNSON STREET P/L

854.97
854.41
854.50
854.74

WO1-4R

N BALDWIN STREET

ROAD CLOSED
R11-2
48" X 30"

WO1-6R
48" X 30"

PLACE TYPE III BARRICADE AT EAST WASHINGTON AND BALDWIN INTERSECTION WITH R11-4 ROAD CLOSED TO THRU TRAFFIC SIGN ATTACHED

PLACE PORTABLE CHANGEABLE MESSAGE SIGN ON EASTBOUND EAST WASHINGTON PRIOR TO BALDWIN STREET

MESSAGE SHALL READ AS FOLLOWS
PHASE 1:
BALDWIN
CLOSED

PHASE2:
NO THRU
TRAFFIC

ROAD CLOSED AHEAD
W20-3

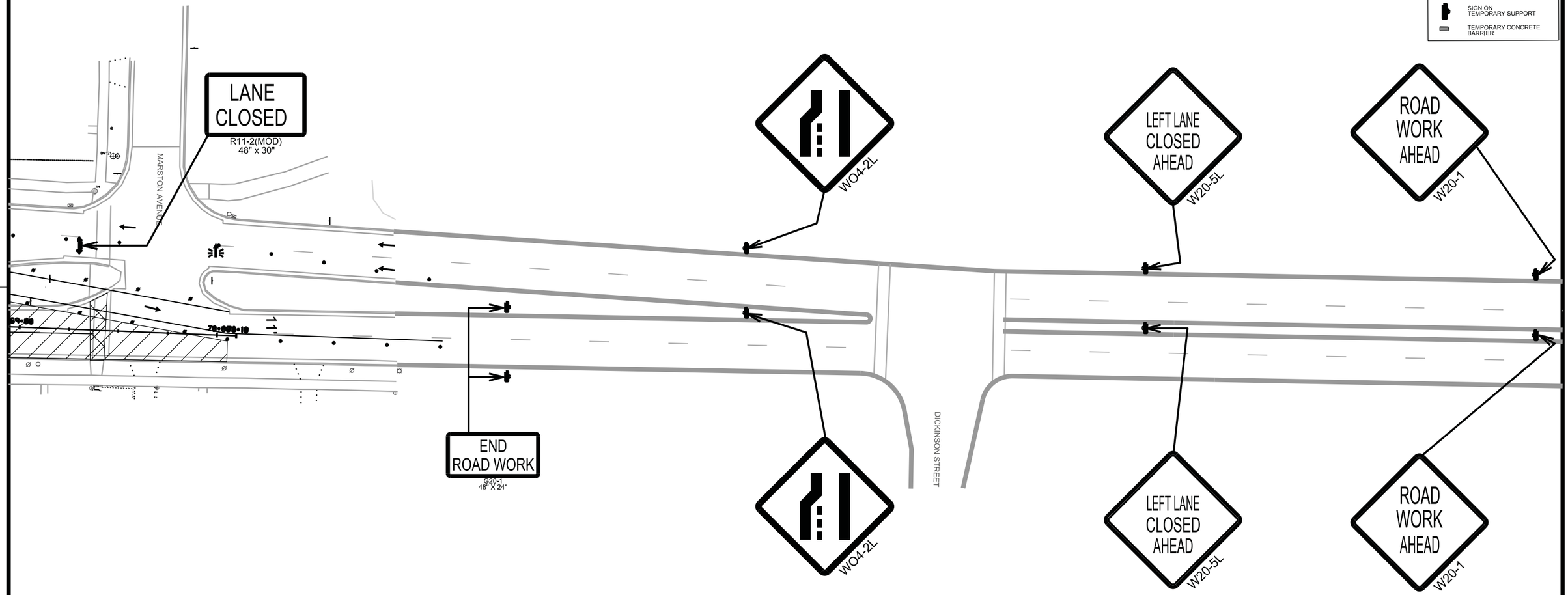
PLACE SIGN AT BALDWIN DAYTON STREET

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2B	SHEET 211	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

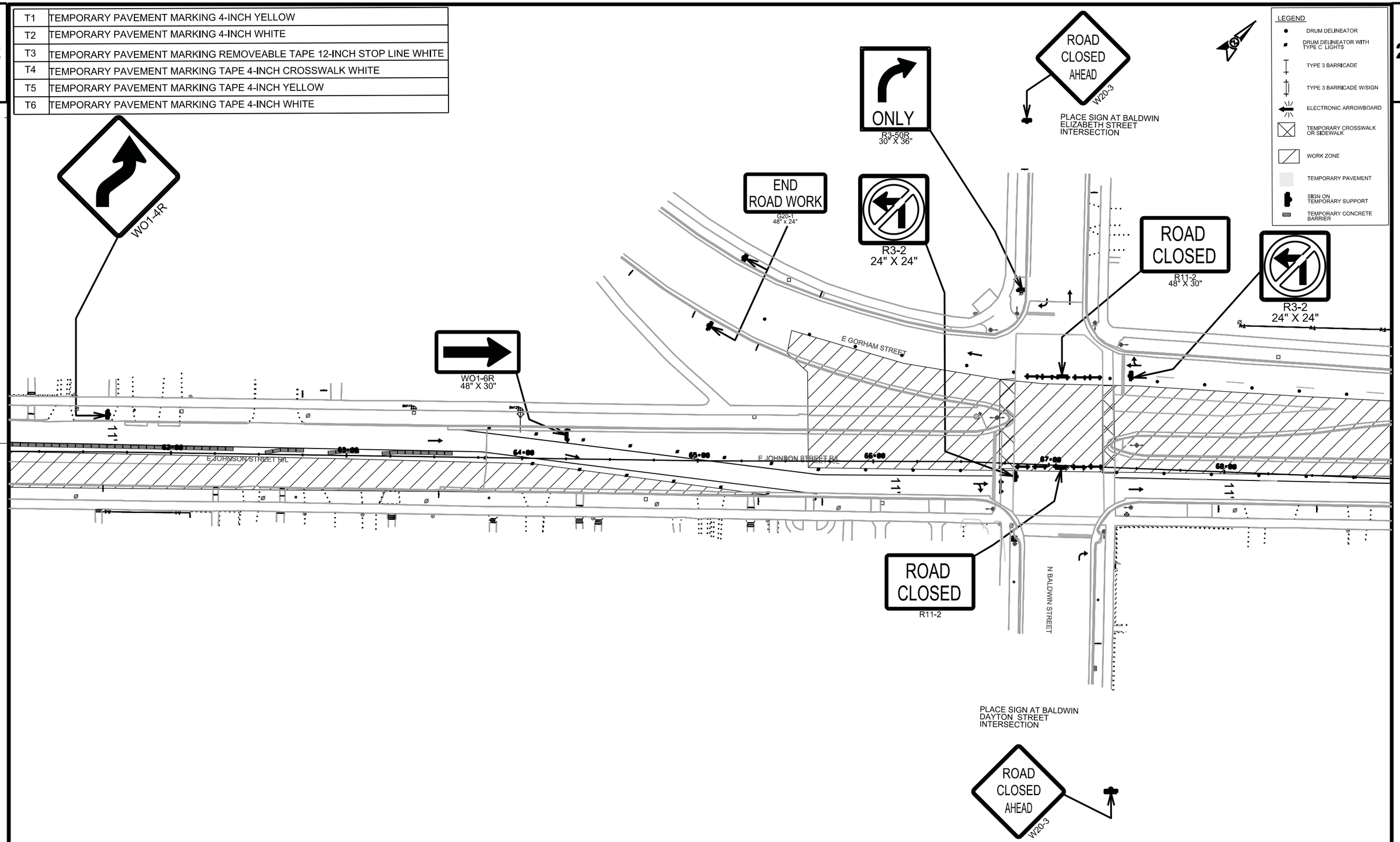
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2B	SHEET 212	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2C	SHEET 213	E

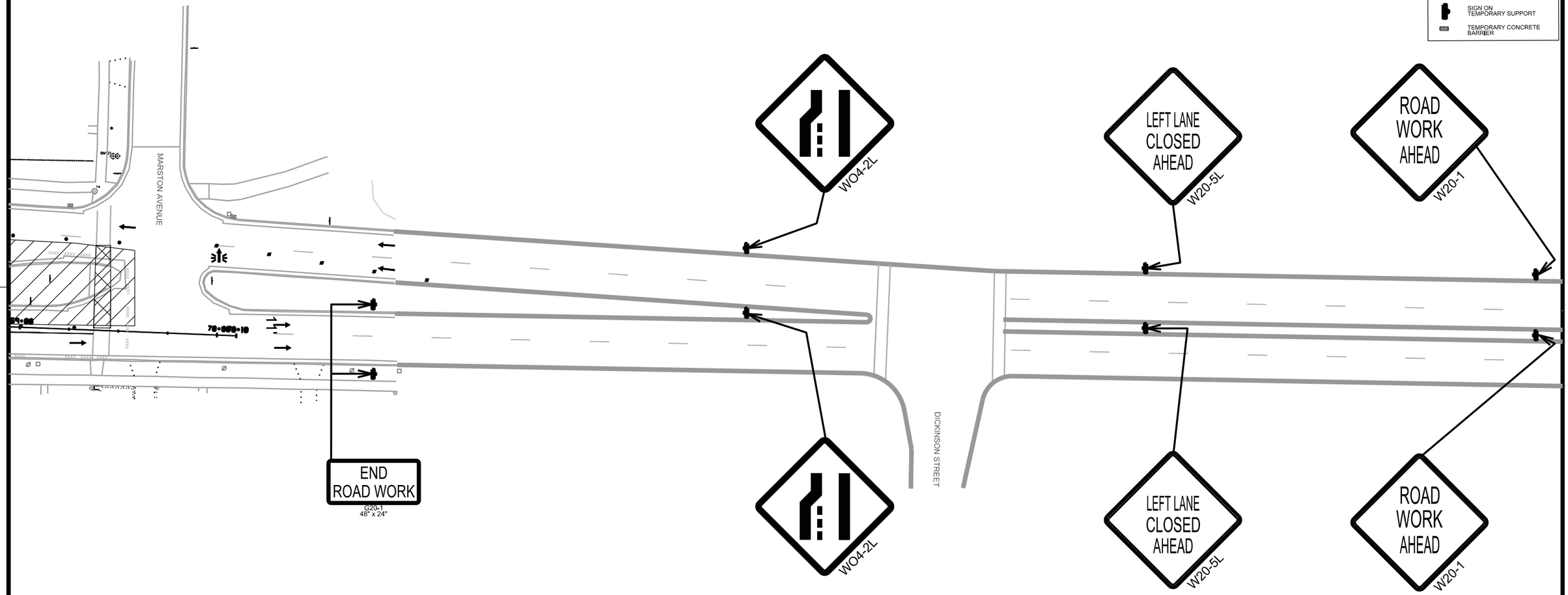
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

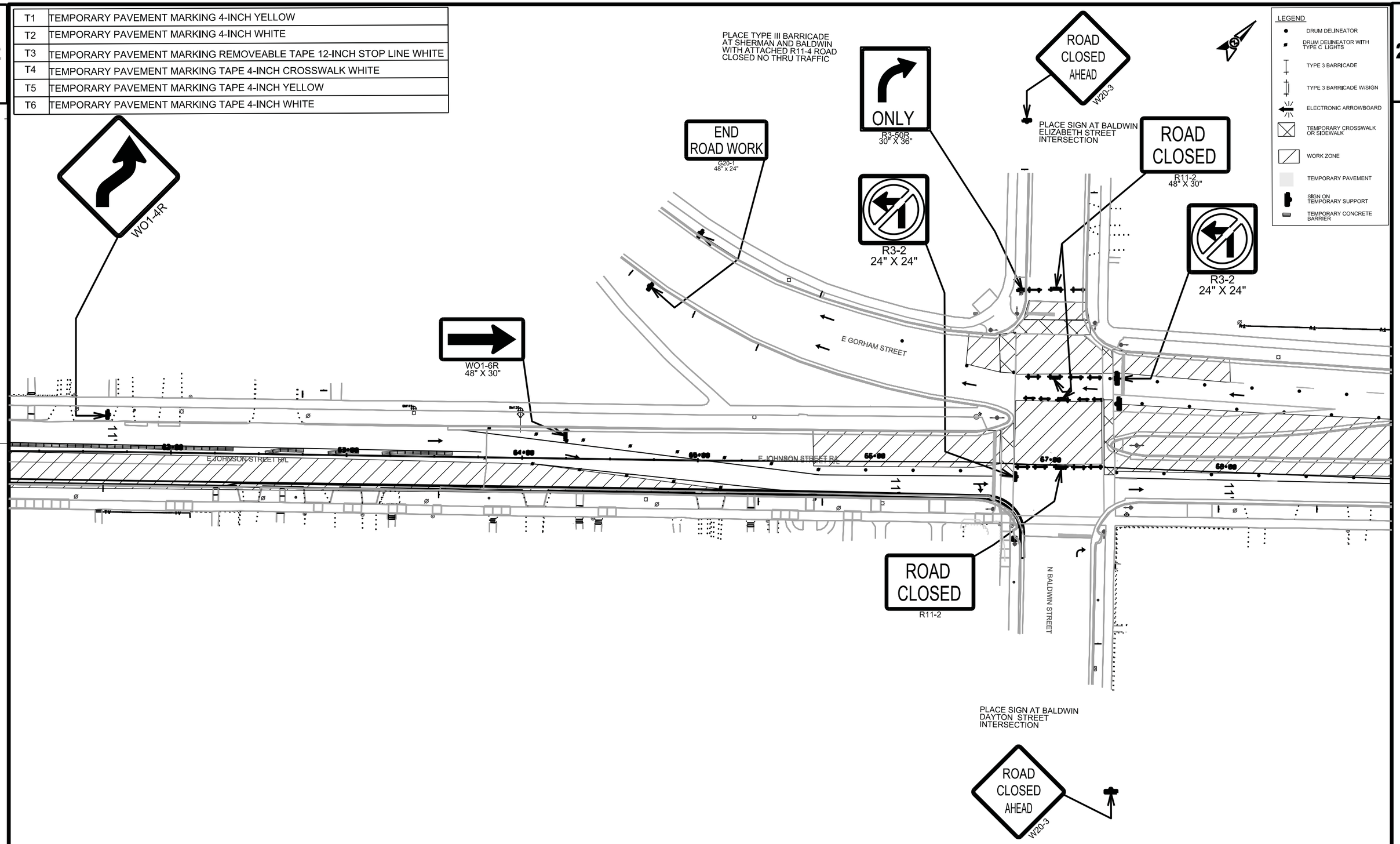
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



2

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2C	SHEET 214	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2D	SHEET 215 E

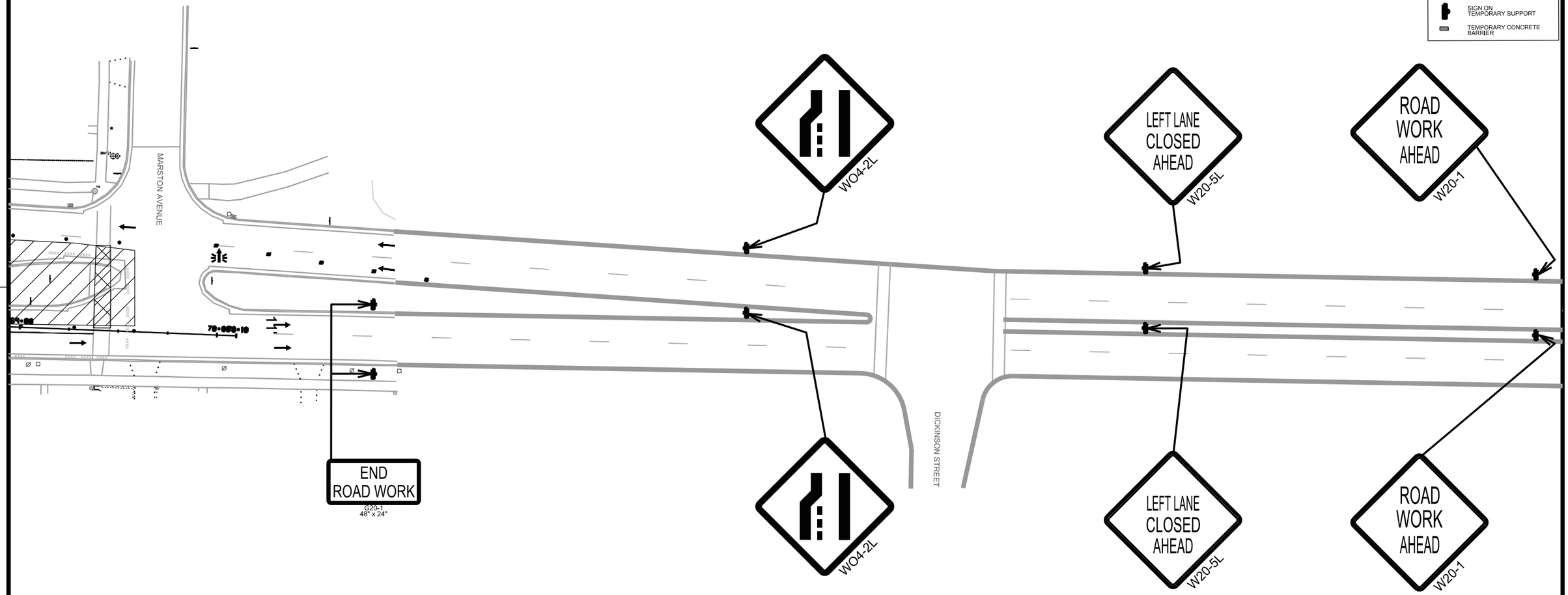
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

2

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

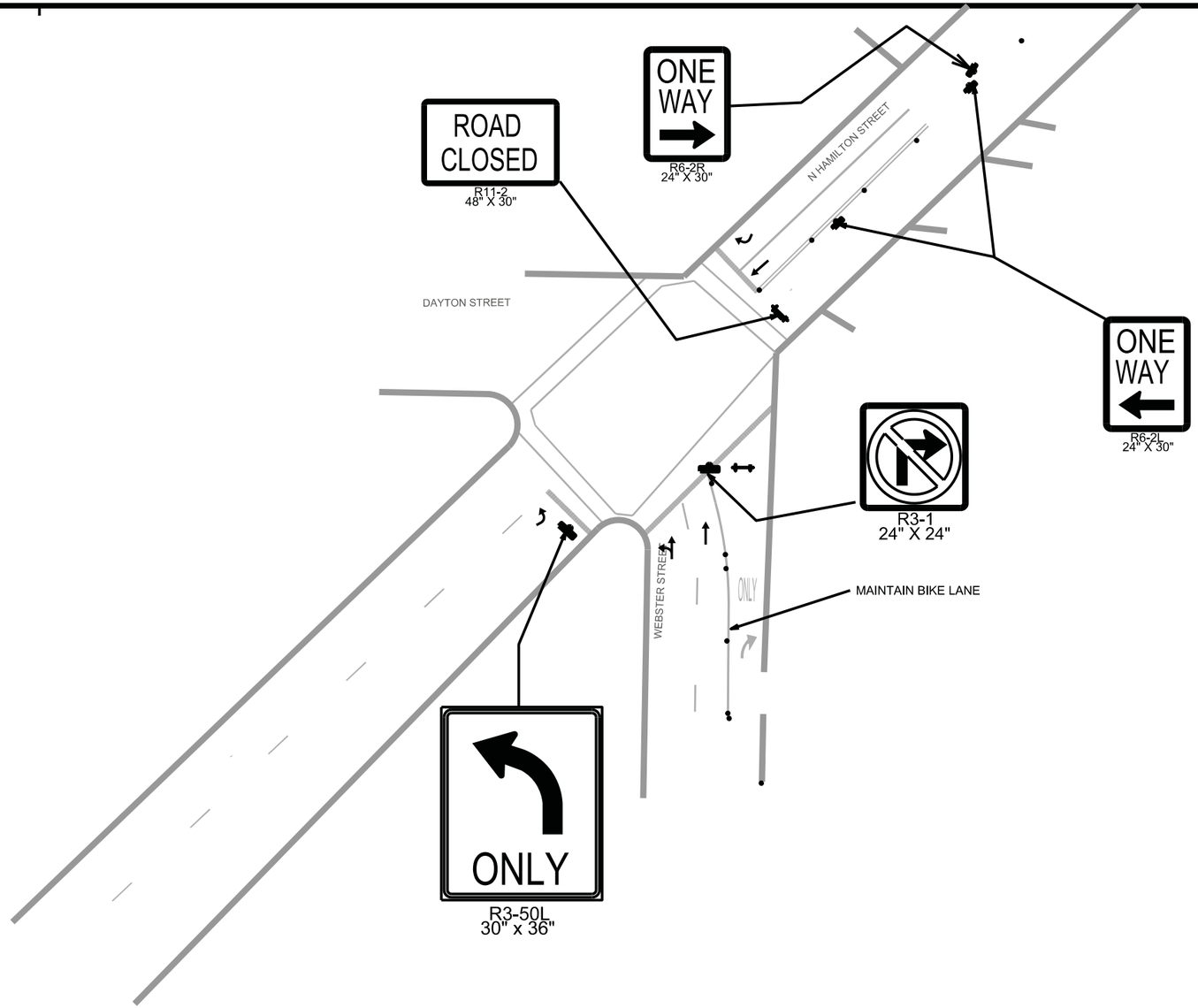
LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2D	SHEET 216	E

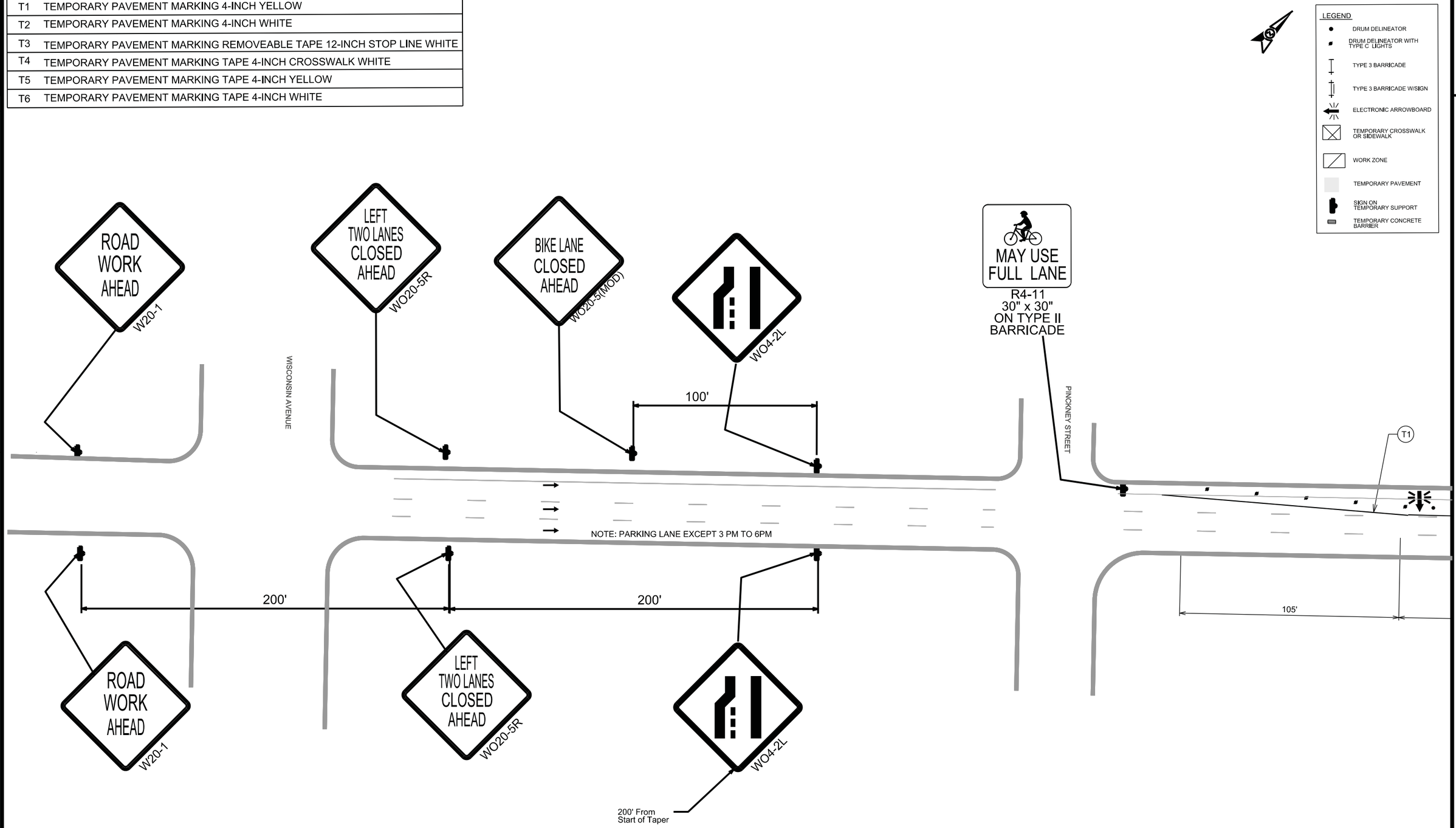
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44



2

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 2A,2B,2C,2D	SHEET 217	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

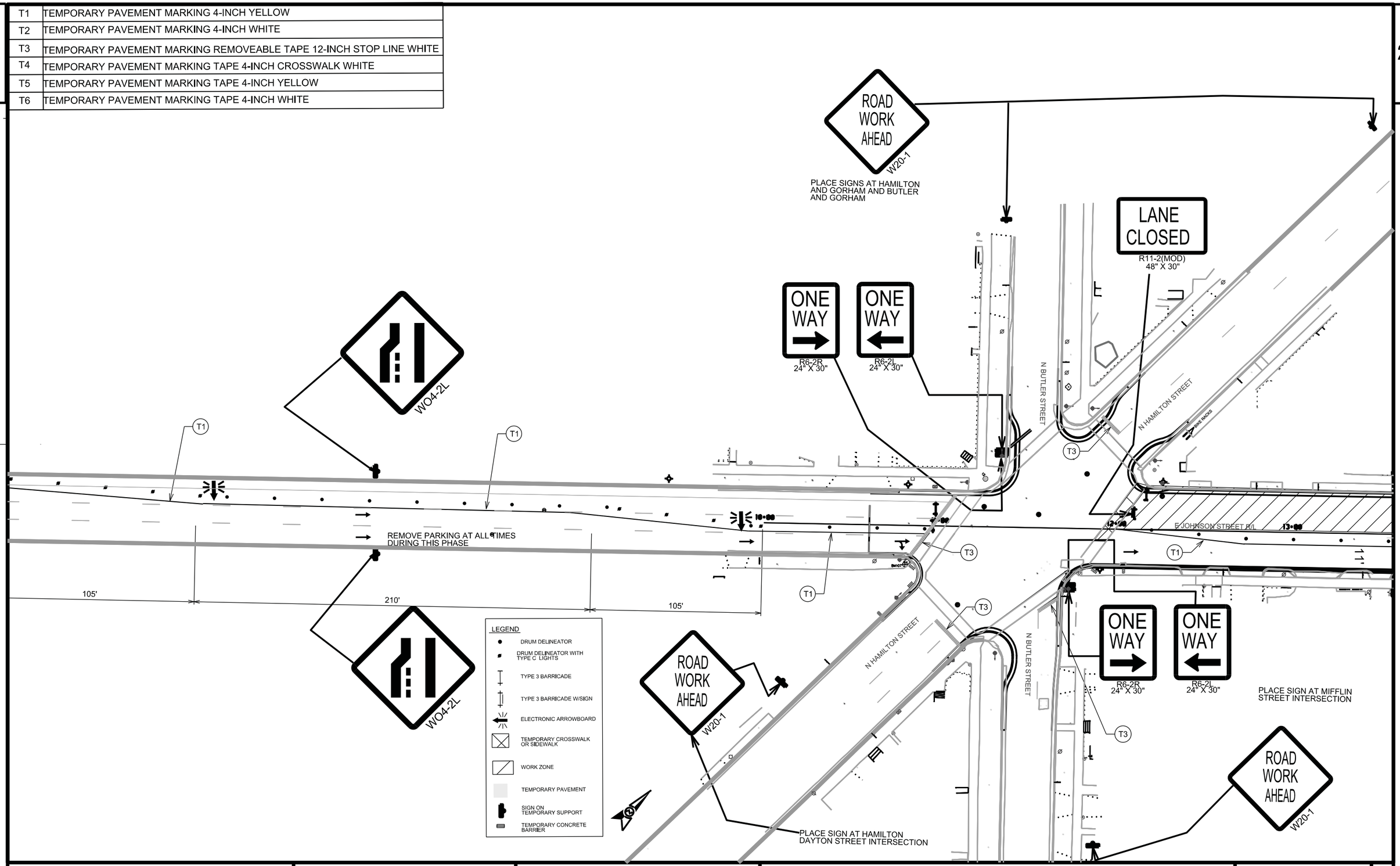


PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 218 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

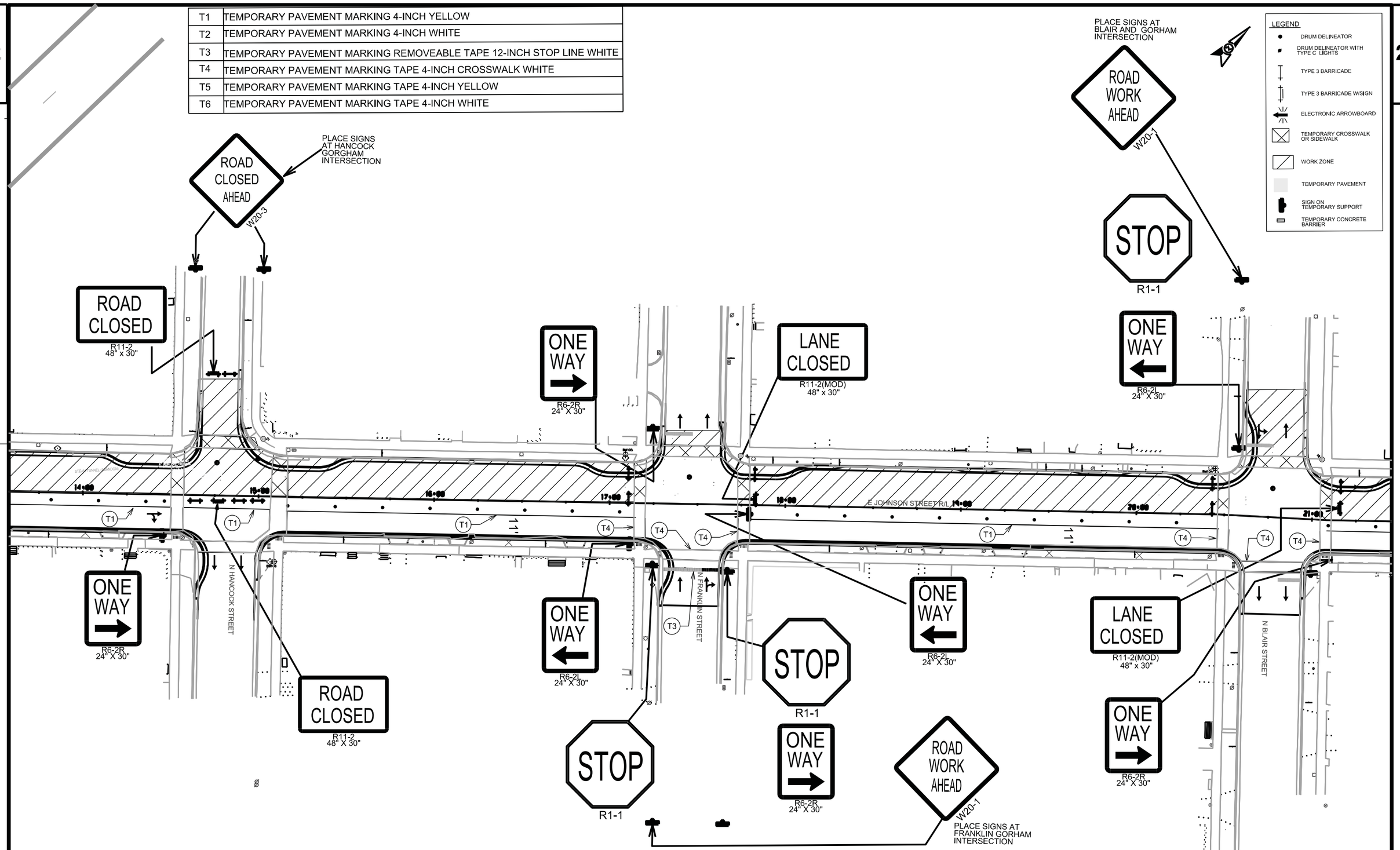
WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



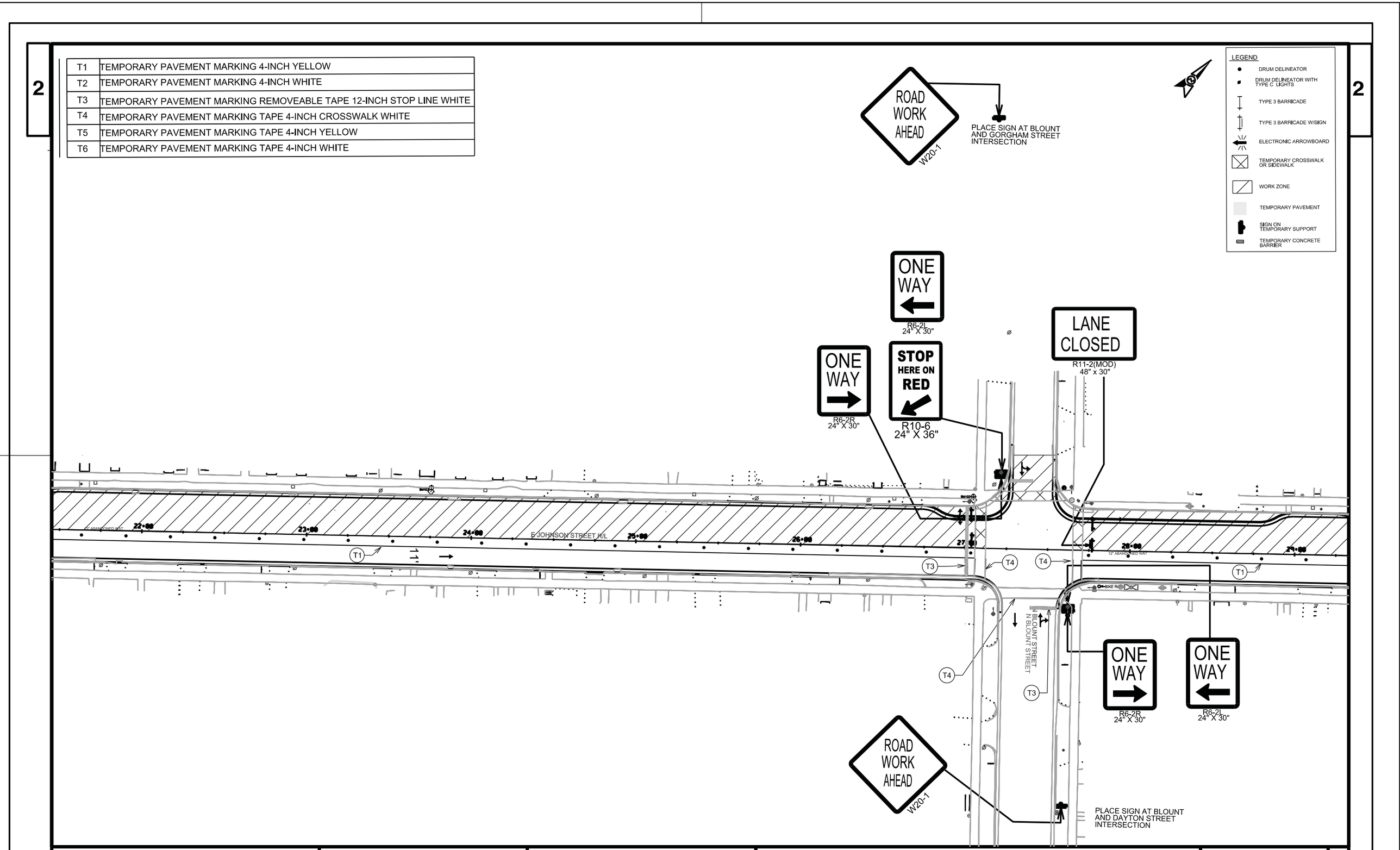
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 219	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



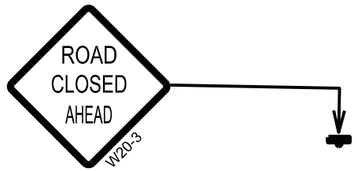
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 220 E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 221	E

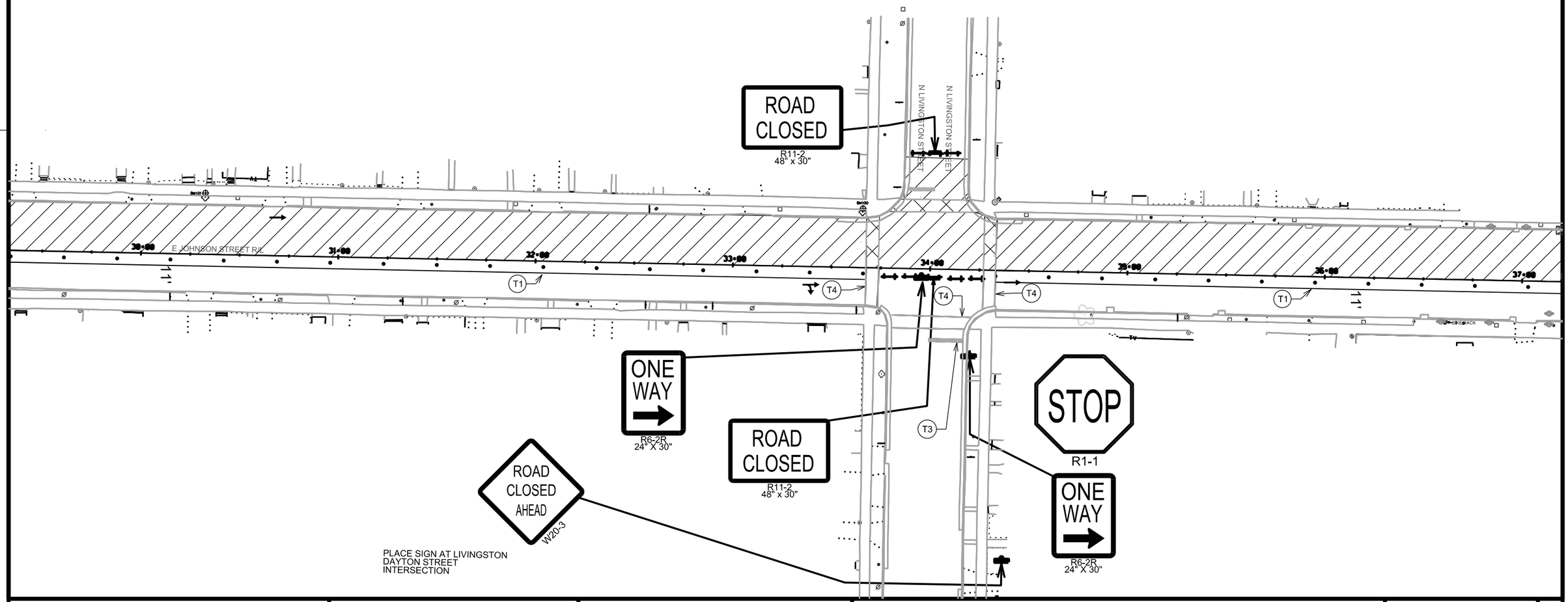
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PLACE SIGN AT LIVINGSTON
GORHAM STREET
INTERSECTION

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 222	E

2

ROAD WORK AHEAD
W20-1

PLACE SIGN AT PATTERSON GORHAM STREET INTERSECTION

ONE WAY
R6-2L
24" X 30"

ONE WAY
R6-2R
24" X 30"

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

E JOHNSON STREET R/L

BIKE RACKS

BIKE RACK

T1

T4

T3

N PATERSON STREET

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

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

ROAD WORK AHEAD
W20-1

PLACE SIGN AT PATTERSON DAYTON STREET INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 223	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ROAD WORK AHEAD W20-1

PLACE SIGN AT BREARLY GORHAM STREET INTERSECTION

STOP R1-1

MAINTAIN CROSSING AT ALL TIMES IN SATISFACTORY CONDITION FOR BICYCLE CROSSINGS PER SPV

ONE WAY R6-2R 24" X 30"

ONE WAY R6-2L 24" X 30"

E JOHNSON STREET R/L

N BREARLY STREET

T1 T4

STOP R1-1

ONE WAY R6-2L 24" X 30"

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

ONE WAY R6-2R 24" X 30"

ROAD WORK AHEAD W20-1

PLACE SIGN AT BREARLY DAYTON STREET INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 224	E

2

PLACE SIGN AT INGERSOLL GORHAM STREET INTERSECTION

ROAD WORK AHEAD W20-1

ONE WAY R6-2R 24" X 30"

ONE WAY R6-2L 24" X 30"

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

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

ROAD CLOSED AHEAD W20-3

PLACE SIGN AT FEW GORHAM STREET INTERSECTION

ROAD CLOSED R11-2 48" X 30"

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

E JOHNSON STREET R/L

54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

T1 T4

N INGERSOLL STREET

N FEW STREET

ONE WAY R6-2R 24" X 30"

ONE WAY R6-2L 24" X 30"

ONE WAY R6-2R 24" X 30"

STOP R1-1

ROAD CLOSED R11-2 48" X 30"

ROAD WORK AHEAD W20-1

PLACE SIGN AT INGERSOLL DAYTON STREET INTERSECTION

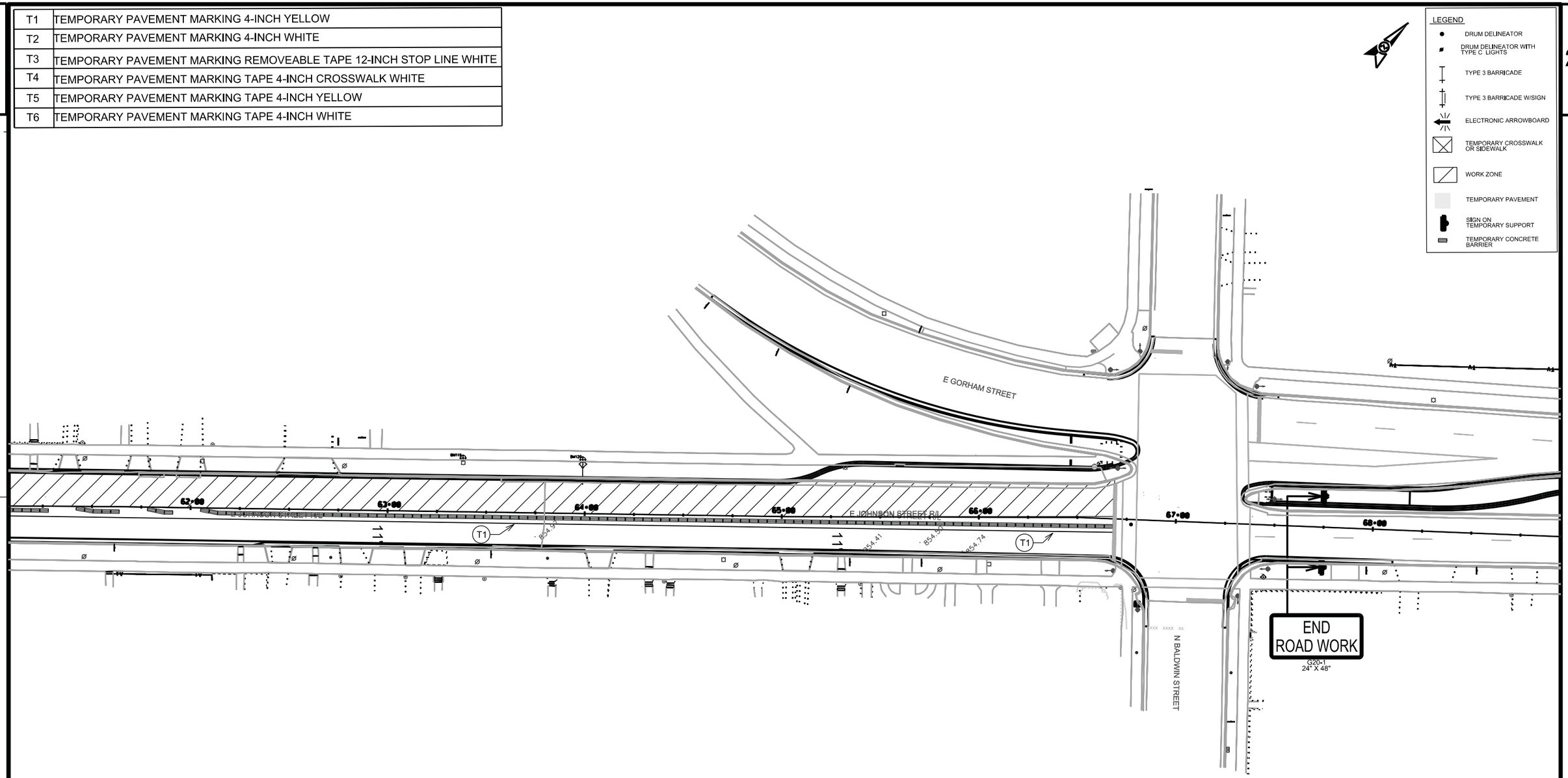
ROAD CLOSED AHEAD W20-3

PLACE SIGN AT FEW DAYTON STREET INTERSECTION

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



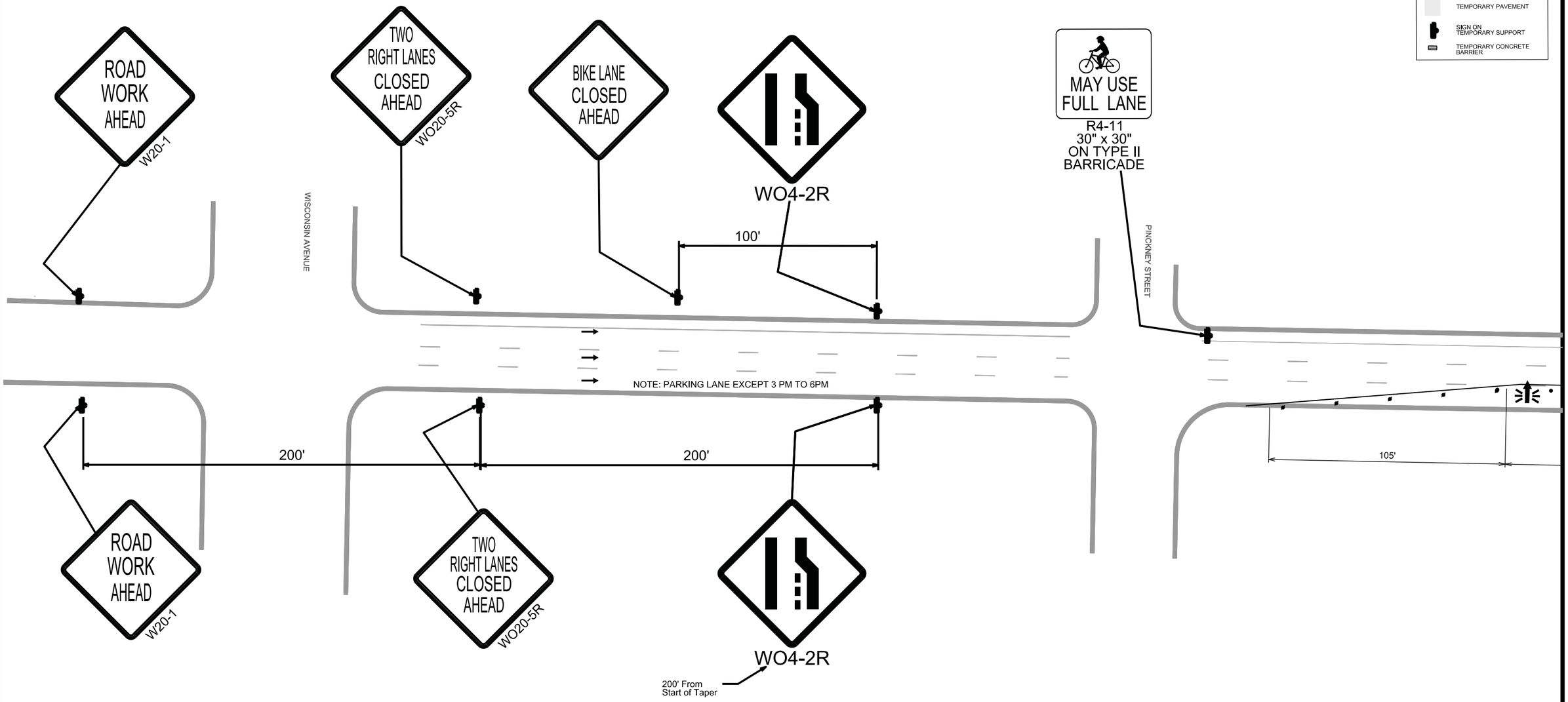
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 3	SHEET 226 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44

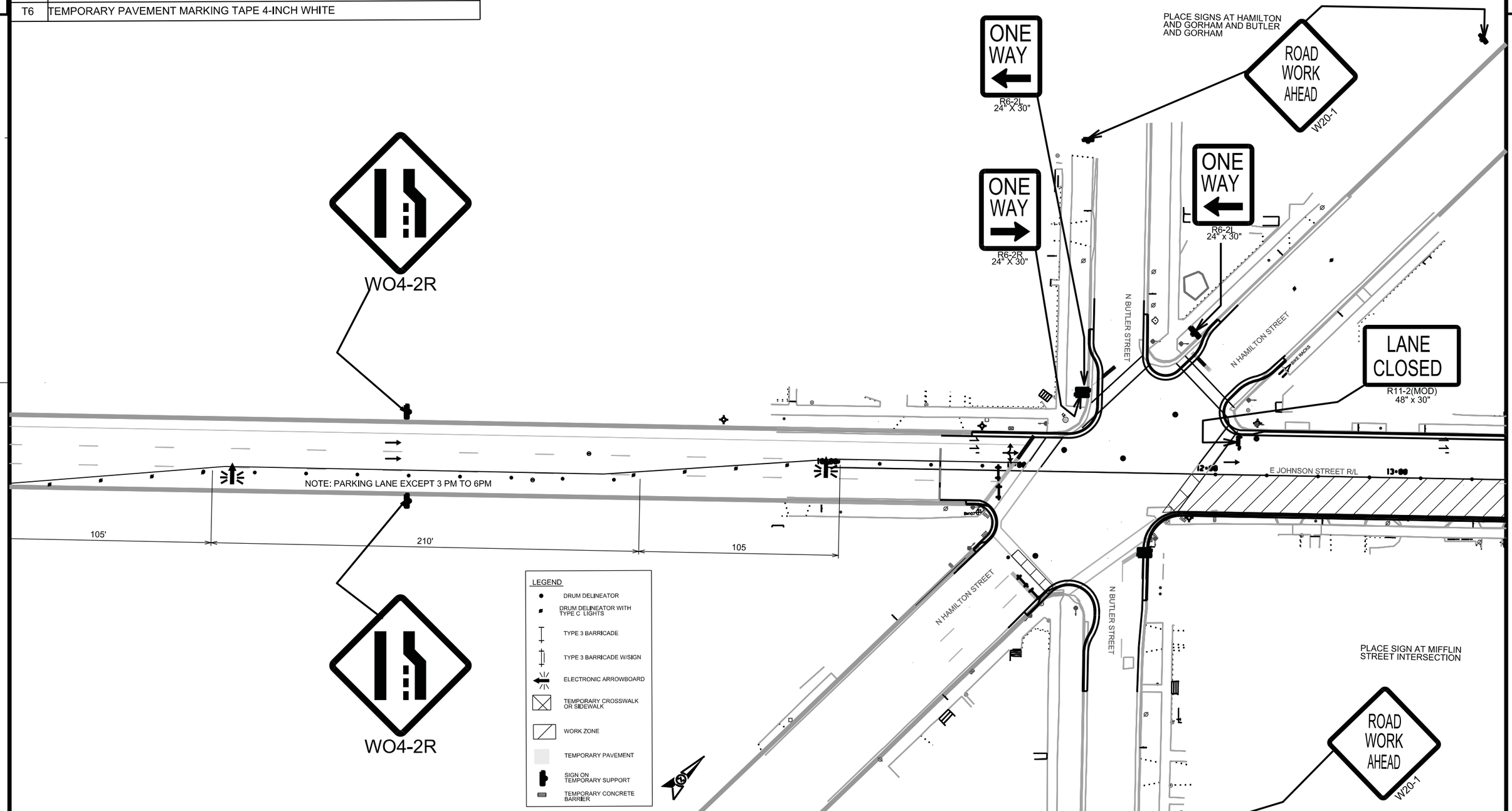
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 227 E

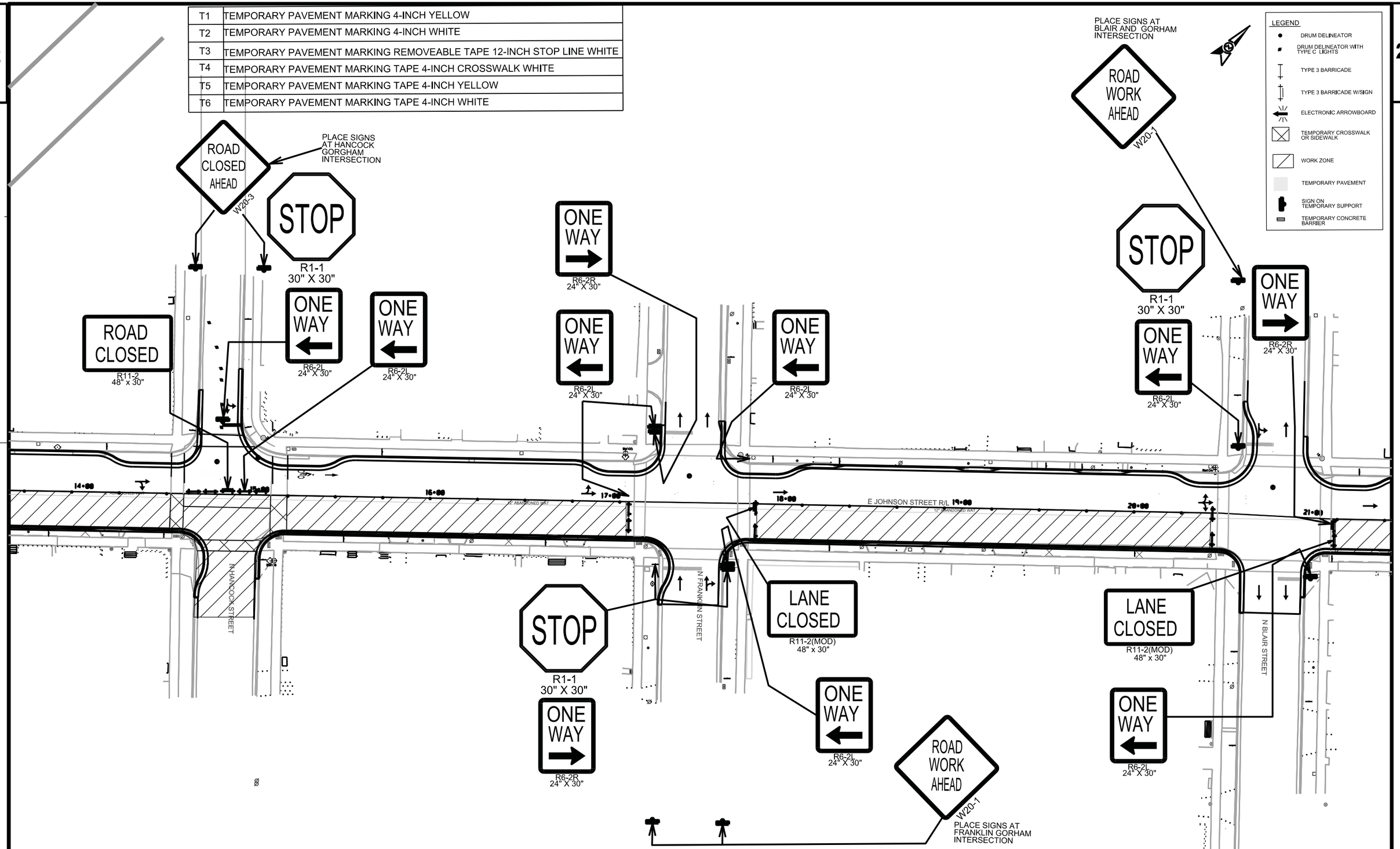
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 228 E

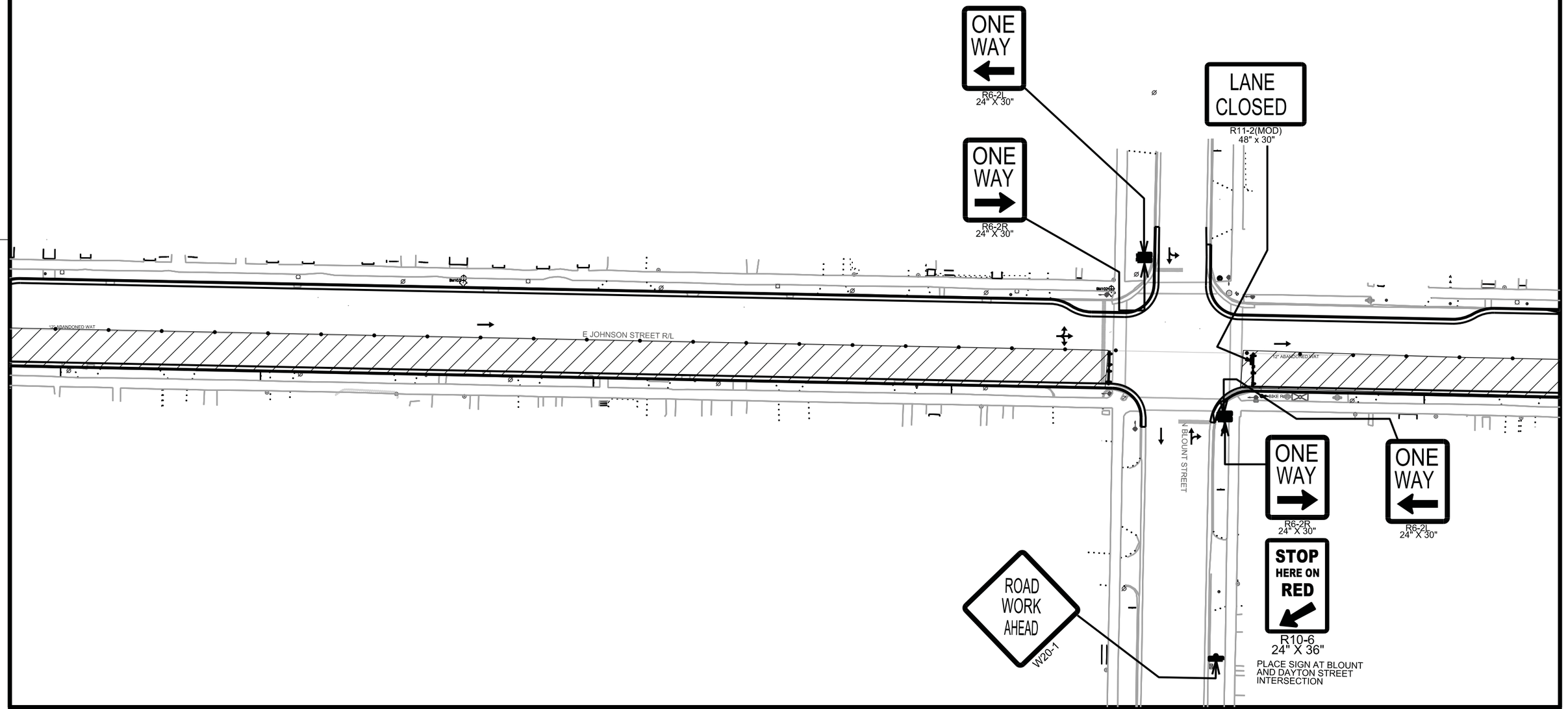
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



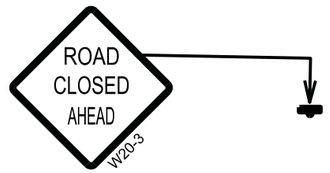
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 229	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



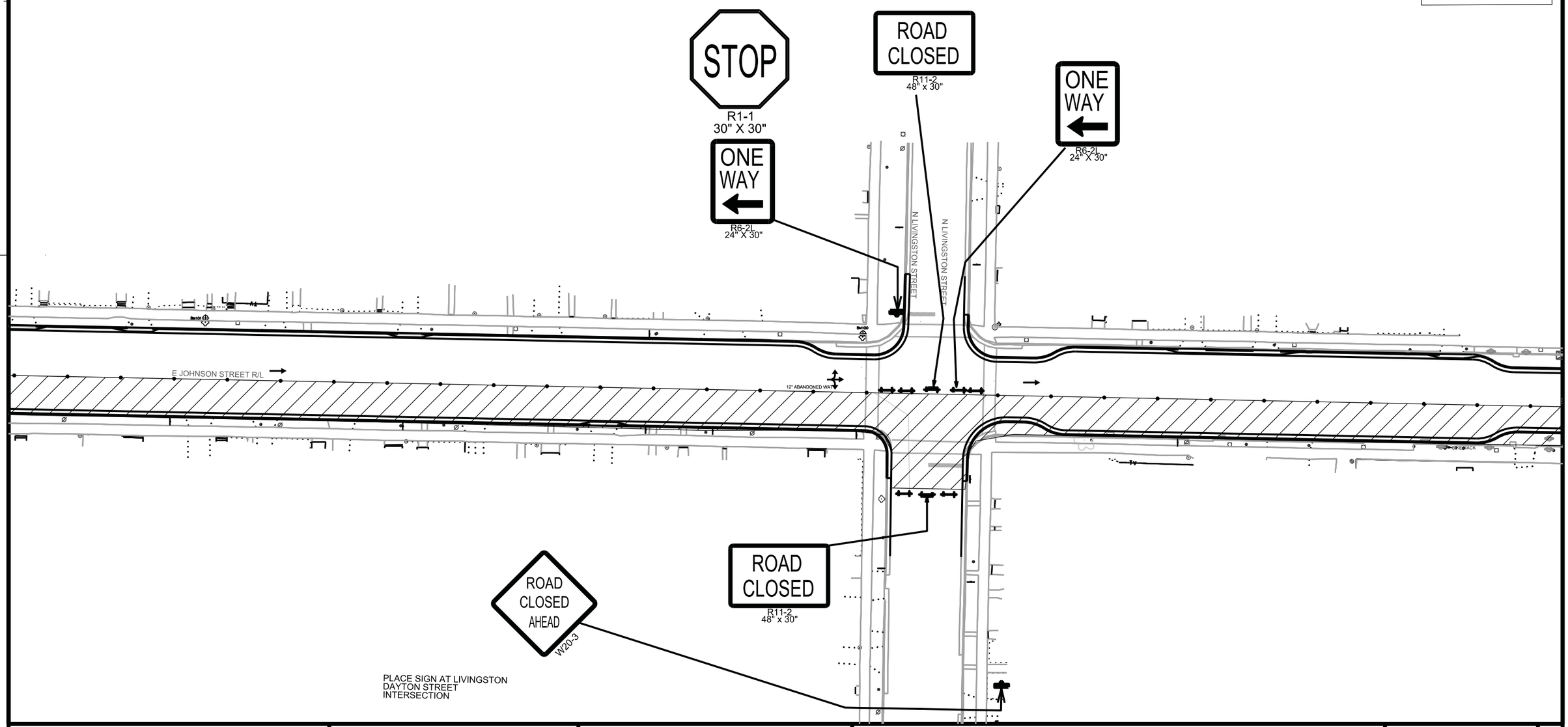
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 230 E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE



PLACE SIGN AT LIVINGSTON
GORHAM STREET
INTERSECTION

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PLACE SIGN AT LIVINGSTON
DAYTON STREET
INTERSECTION

PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 231	E

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

ROAD WORK AHEAD
W20-1

PLACE SIGN AT PATTERSON GORHAM STREET INTERSECTION

LEGEND
- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

E JOHNSON STREET R/L

BIKE RACK

N PATERSON STREET

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

ONE WAY
R6-2R
24" X 30"

ONE WAY
R6-2L
24" X 30"

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

ROAD WORK AHEAD
W20-1

PLACE SIGN AT PATTERSON DAYTON STREET INTERSECTION

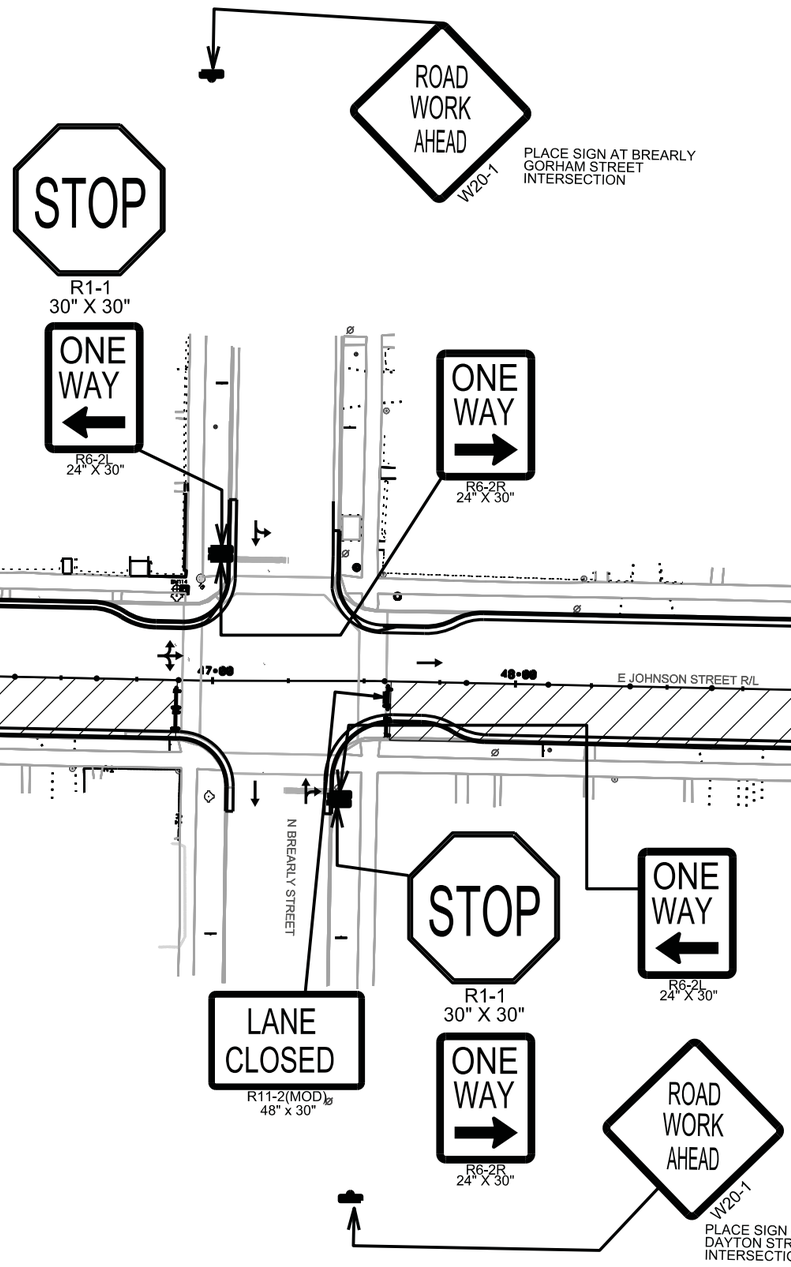
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 232	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

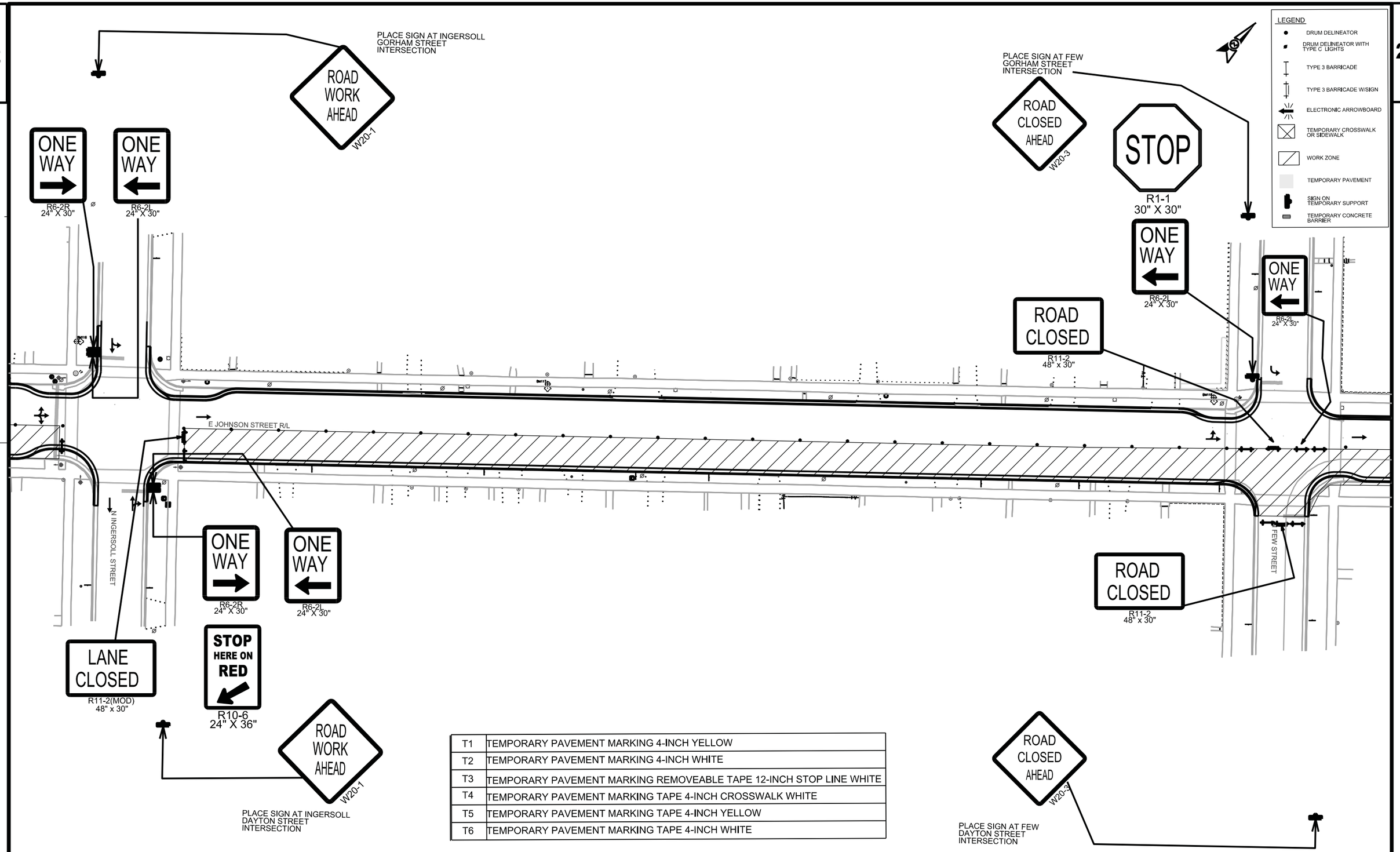
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



PROJECT NO5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 233	E



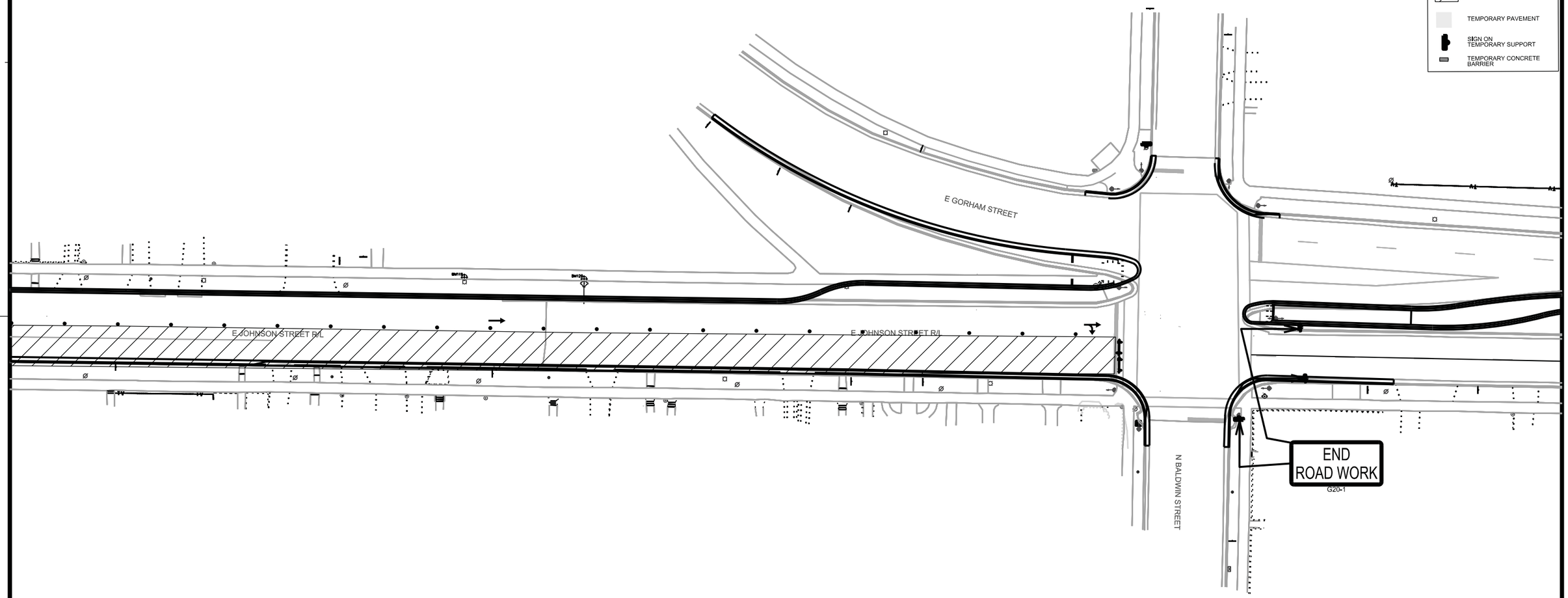
T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

T1	TEMPORARY PAVEMENT MARKING 4-INCH YELLOW
T2	TEMPORARY PAVEMENT MARKING 4-INCH WHITE
T3	TEMPORARY PAVEMENT MARKING REMOVEABLE TAPE 12-INCH STOP LINE WHITE
T4	TEMPORARY PAVEMENT MARKING TAPE 4-INCH CROSSWALK WHITE
T5	TEMPORARY PAVEMENT MARKING TAPE 4-INCH YELLOW
T6	TEMPORARY PAVEMENT MARKING TAPE 4-INCH WHITE

2

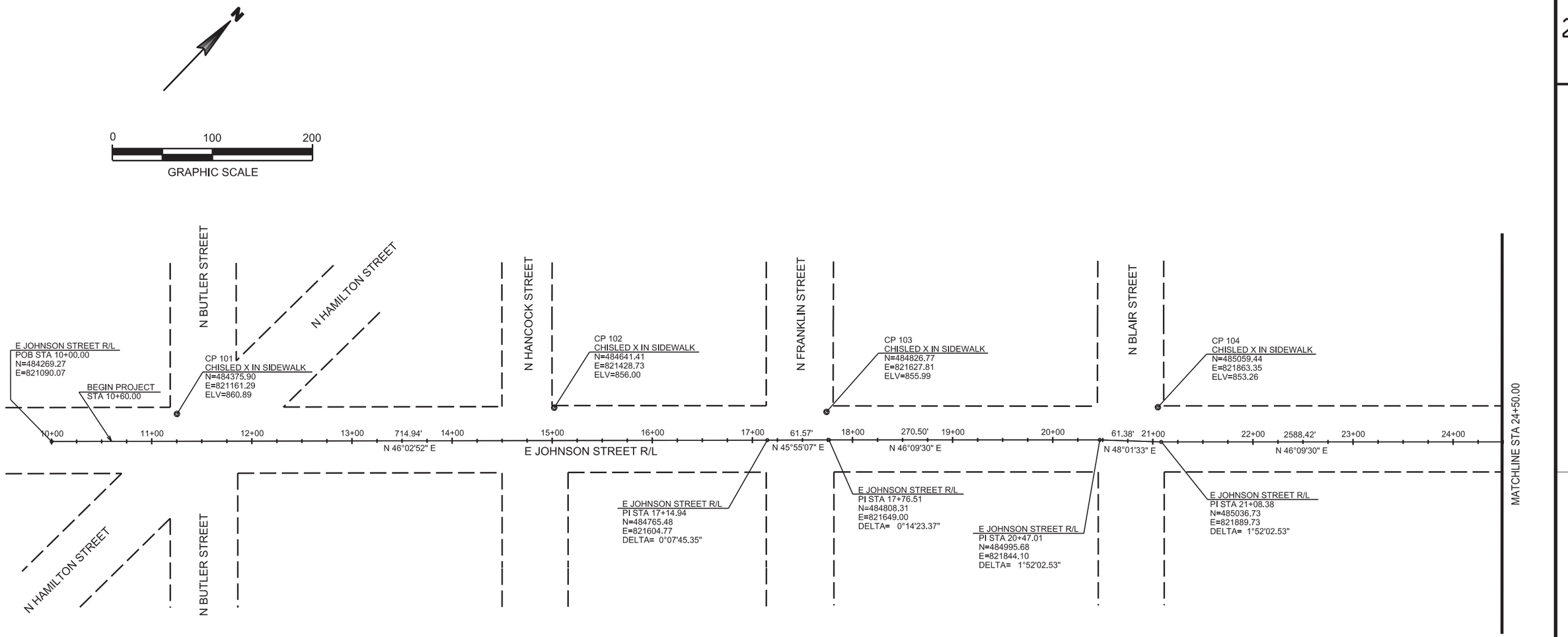
LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH TYPE C LIGHTS
- TYPE 3 BARRICADE
- TYPE 3 BARRICADE W/SIGN
- ELECTRONIC ARROWBOARD
- TEMPORARY CROSSWALK OR SIDEWALK
- WORK ZONE
- TEMPORARY PAVEMENT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CONCRETE BARRIER



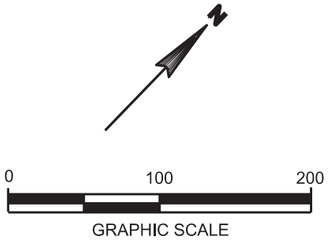
PROJECT NO:5992-09-11	HWY:JOHNSON STREET	COUNTY:DANE	TRAFFIC CONTROL PLAN STAGE 4	SHEET 235 E

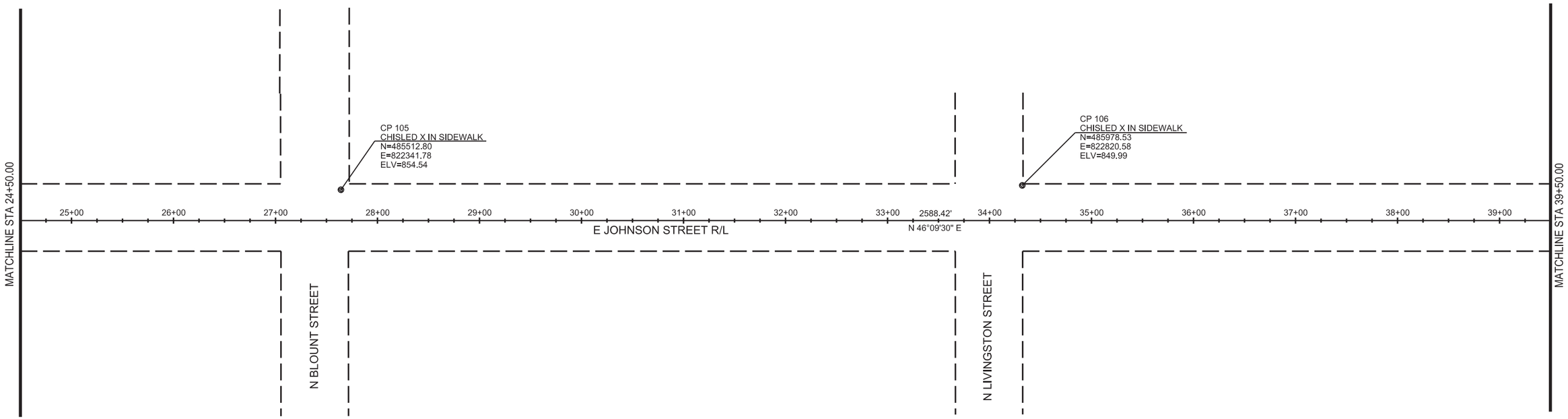
2



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	ALIGNMENT OVERVIEW	SHEET 236	E

2





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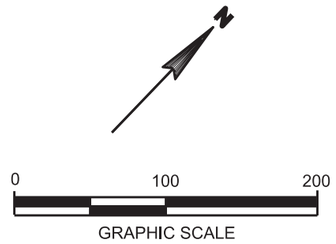
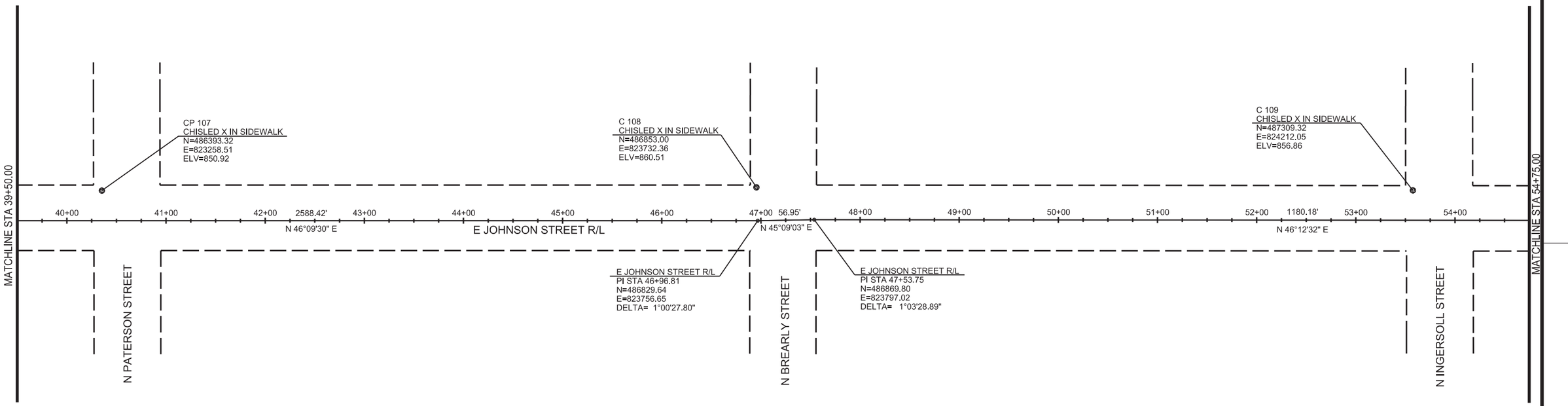
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	ALIGNMENT OVERVIEW	SHEET 237	E

2



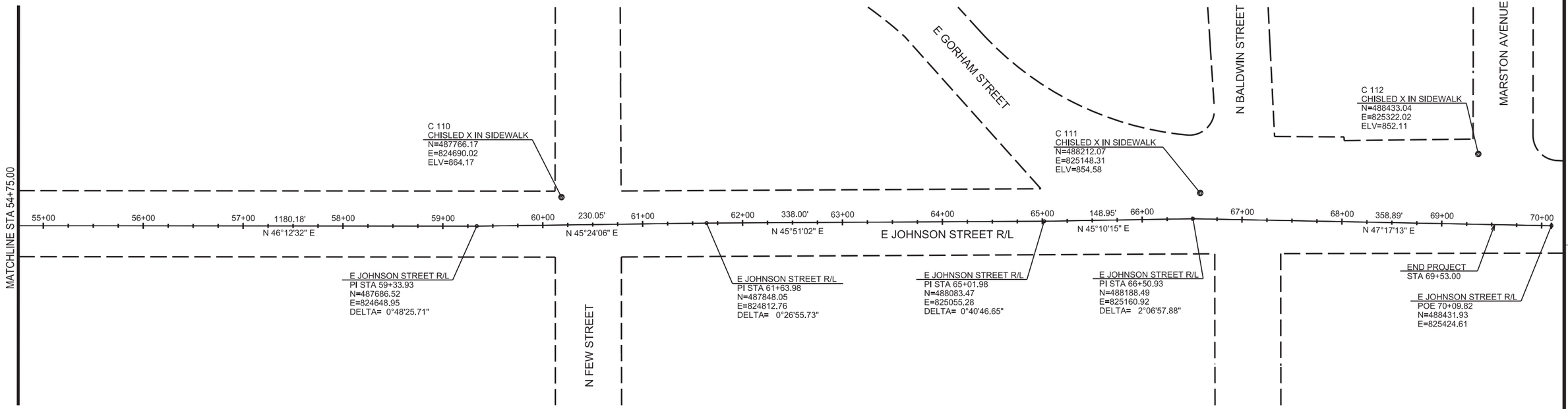


PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	ALIGNMENT OVERVIEW	SHEET	E

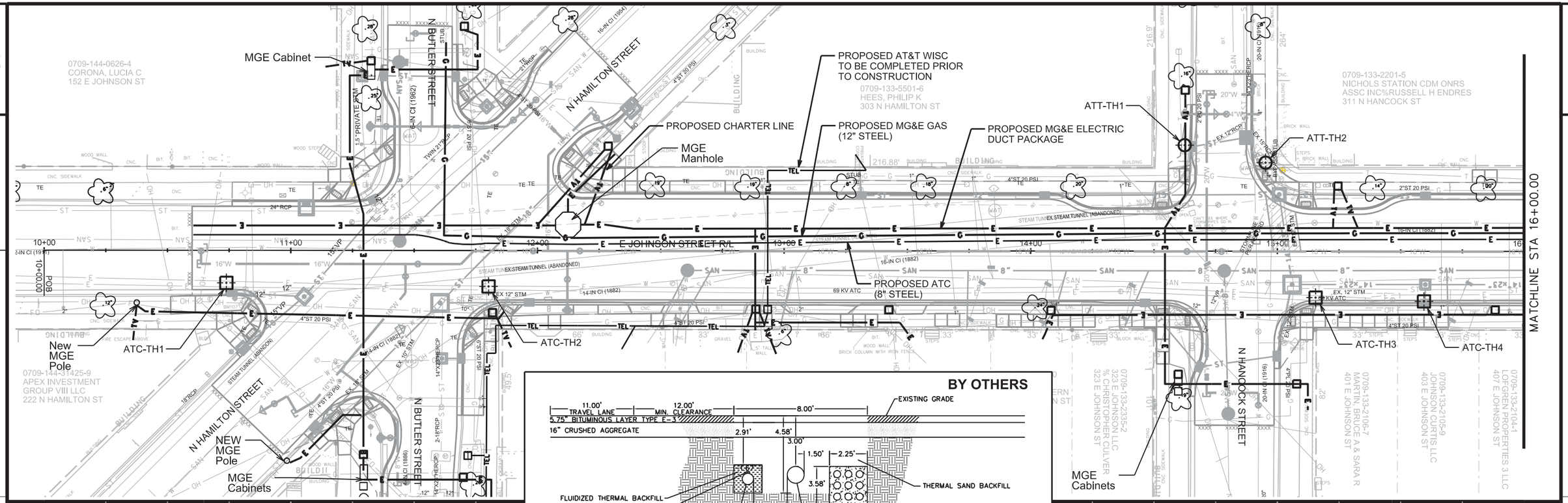
FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\90% Plans\DGNs\53W0740EN-AlignDetail*3.dgn PLOT DATE : 8/30/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 100.0000 sf / in.

WISDOT/CADDS SHEET 42

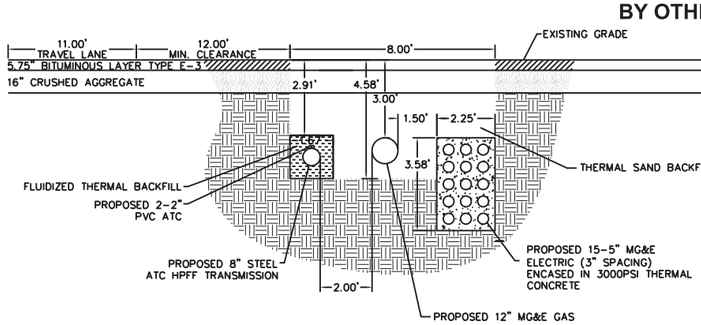
2



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	ALIGNMENT OVERVIEW	SHEET 239	E



BY OTHERS

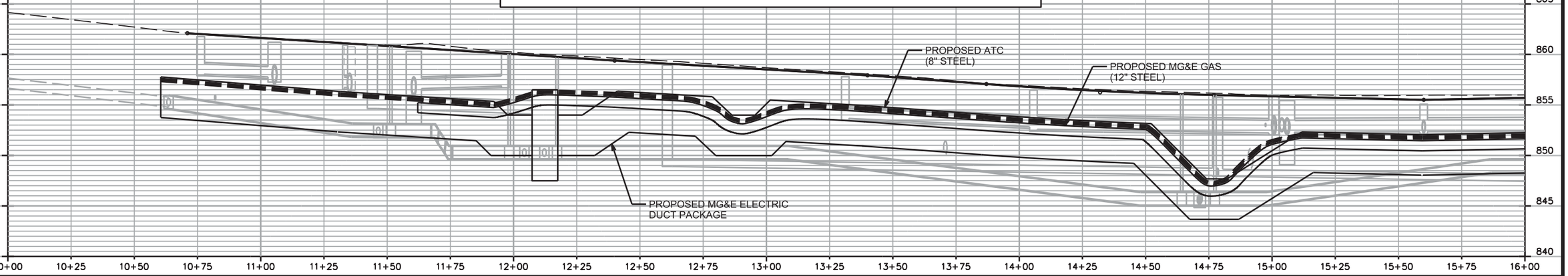


TYPICAL PRIVATE UTILITY
CROSS SECTION INSTALLATION
(E JOHNSON STREET FROM
N BUTLER STREET TO
N LIVINGSTON STREET)

PRIVATE UTILITIES TO BE INSTALLED
BY OTHERS
(CONTRACTOR TO COORDINATE WITH
PRIVATE UTILITY CONTRACTOR)

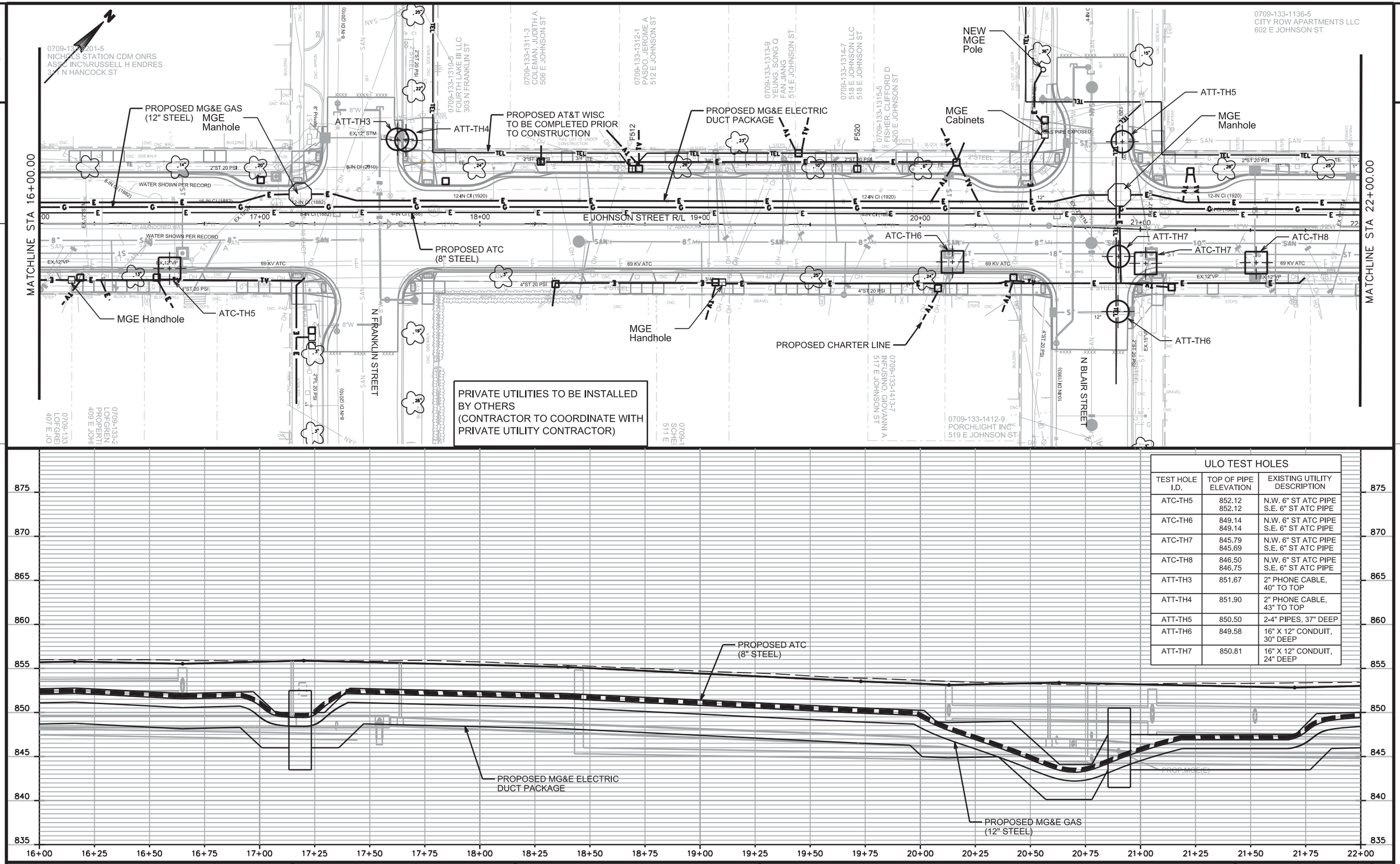
ULO TEST HOLES

TEST HOLE I.D.	TOP OF PIPE ELEVATION	EXISTING UTILITY DESCRIPTION
ATC-TH1	855.12 855.12	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH2	854.57 854.58	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH3	849.58 849.53	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH4	850.69 851.74	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATT-TH1	851.50	4" PIPE, 47" DEEP
ATT-TH2	854.64	4" PIPE, 15" DEEP



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET 240	E

2



ULO TEST HOLES

TEST HOLE I.D.	TOP OF PIPE ELEVATION	EXISTING UTILITY DESCRIPTION
ATC-TH5	852.12 852.12	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH6	849.14 849.14	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH7	845.79 845.69	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH8	846.50 846.75	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATT-TH3	851.67	2" PHONE CABLE, 40" TO TOP
ATT-TH4	851.90	2" PHONE CABLE, 43" TO TOP
ATT-TH5	850.50	2-4" PIPES, 37" DEEP
ATT-TH6	849.58	16" X 12" CONDUIT, 30" DEEP
ATT-TH7	850.81	16" X 12" CONDUIT, 24" DEEP

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Survey\Private_Utilites\Priv_Util Plan Sheets\53W0740PVT-PnP**2.dgn
PLOT DATE : 11/15/2013
PLOT BY : enkdf
PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 46

PRIVATE UTILITIES TO BE INSTALLED BY OTHERS
(CONTRACTOR TO COORDINATE WITH PRIVATE UTILITY CONTRACTOR)

PROPOSED MG&E GAS (12" STEEL)

PROPOSED AT&T WISC TO BE COMPLETED PRIOR TO CONSTRUCTION

PROPOSED MG&E ELECTRIC DUCT PACKAGE

PROPOSED CHARTER LINE

MATCHLINE STA 22+00.00

MATCHLINE STA 28+00.00

E JOHNSON STREET R/L

N BLOUNT STREET

MGE Manhole

ATC-TH9

ATC-TH10

ATC-TH11

ATC-TH12

PROPOSED ATC (8" STEEL)

0709-133-1136-5
CITY ROW APARTMENTS LLC
602 E JOHNSON ST

0709-133-1128-2
APEX 637 LLC
640 E JOHNSON ST

0709-133-1129-0
644 E JOHNSON LLC
644 E JOHNSON ST

0709-133-1130-7
RAUPP, GREGG
648 E JOHNSON ST

0709-133-1131-5
DC HOUSING LLC
650 E JOHNSON ST

0709-133-1132-3
PETERSON, RAY A
654 E JOHNSON ST

0709-132-1413-9
VICTORIAN HILL OWNERS ASC
%CREATIVE RE SERVICES INC
706 E JOHNSON ST

0709-133-1013-5
STEINDL LIV TR, JAMES M
611 E JOHNSON ST

0709-133-1010-1
PETERSON, DOUGLAS M
619 E JOHNSON ST

0709-133-1003-6
CHANDLER 643-645 LLC
%CHT APARTMENT RENTALS
645 E JOHNSON ST

0709-133-1002-8
CHANDLER 649 LLC
%CHT APARTMENT RENTALS
649 E JOHNSON ST

0709-133-1001-0
CHANDLER 651 LLC
%CHT APARTMENT RENTALS
651 E JOHNSON ST

0708-132-1314-9
KLARIBOU LLC
701 E JOHNSON ST

0709-133-1014-3
FORRAND, RANDY L
605 E JOHNSON ST

0709-133-1012-7
NEWENHOUSE, SONYA &
NEWENHOUSE & GENTES TRUST
615 E JOHNSON ST

0709-133-1009-4
KELLER, PATRICIA A
621 E JOHNSON ST

0709-133-1008-6
PAGANO, ROLAND C
629 E JOHNSON ST

0709-133-1007-8
KARSTEN, JOHN R
& ROBERT J KARSTEN
633 E JOHNSON ST

0709-133-1006-0
OTTINGER, NATHAN A
637 E JOHNSON ST

0709-133-1005-2
CWL A LLC
639 E JOHNSON ST

ULO TEST HOLES

TEST HOLE I.D.	TOP OF PIPE ELEVATION	EXISTING UTILITY DESCRIPTION
ATC-TH9	849.13 849.33	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH10	849.94 849.89	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH11	848.98 848.53	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE
ATC-TH12	847.65 847.65	N.W. 6" ST ATC PIPE S.E. 6" ST ATC PIPE

EXISTING MGE 12" GAS MAIN

EXISTING MGE 12 DUCT PACKAGE

PROP MGE

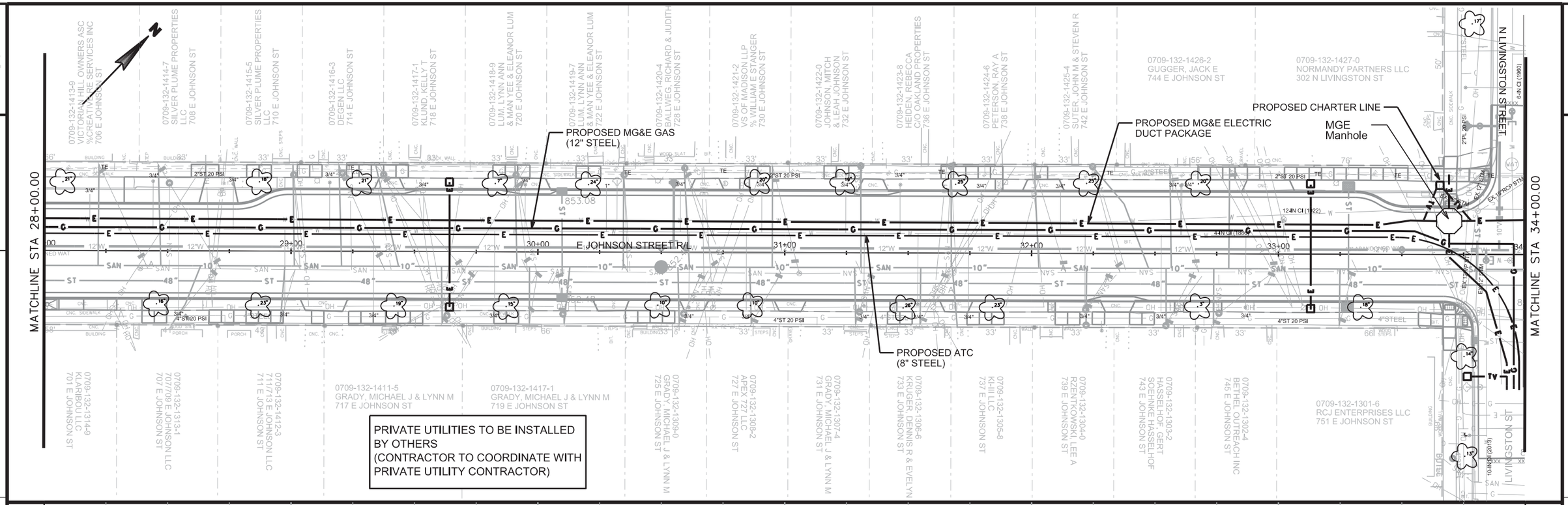
PROPOSED MG&E ELECTRIC DUCT PACKAGE

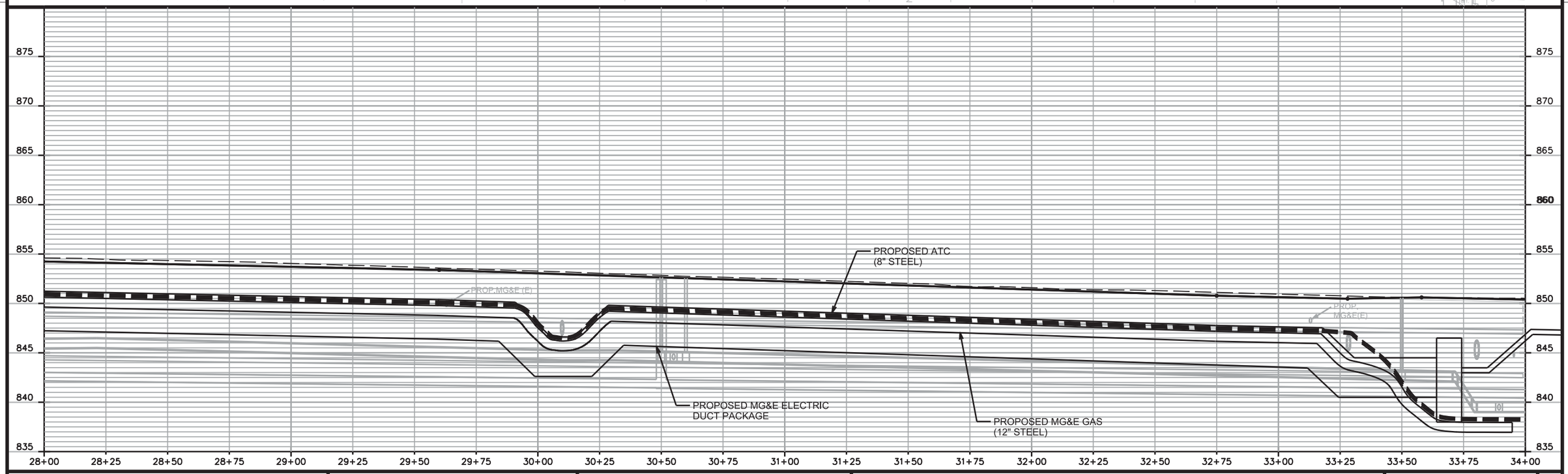
PROPOSED MG&E GAS (12" STEEL)

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET E

FILE NAME : M:\DESIGN\Projects\53W0740\Survey\Private_Utilites\Priv_Util Plan Sheets\53W0740PVT-PnP**3.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.
WISDOT/CADDS SHEET 46

2





PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Survey\Private_Utilites\Priv_Util Plan Sheets\53W0740PVT-PnP**4.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

2

MATCHLINE STA 34+00.00

MATCHLINE STA 40+00.00

N LIVINGSTON STREET

E JOHNSON STREET R/L

0709-132-0921-3
RETZLAFF, DANIEL J
301 N LIVINGSTON ST

0709-132-1001-2
SCHUETT, NICHOLAS D
223 N LIVINGSTON ST

0709-132-1002-0
ORTON PARK LLC
221 N LIVINGSTON ST

0709-132-0922-1
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
808 E JOHNSON ST

0709-132-0923-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
812 E JOHNSON ST

0709-132-0924-7
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
814 E JOHNSON ST

0709-132-0925-5
FERNANDEZ, CAROLINA
816 E JOHNSON ST

0709-132-0926-3
BLABAUM, GENE
820 E JOHNSON ST

0709-132-0927-1
L-H APARTMENTS LLC
822 E JOHNSON ST

0709-132-0928-9
KNOKE PROPERTIES LLC
824 E JOHNSON ST

0709-132-0929-7
NAGA WICKA PARTNERS LLC
% OAKLAND PROP SVCS INC
828 E JOHNSON ST

0709-132-0930-4
DAVEY ET AL, BRUCE M
832 E JOHNSON ST

0709-132-0931-2
DAVEY, BRUCE M
& KATHLEEN SITTER
836 E JOHNSON ST

0709-132-0932-0
RIPPLE, THOMAS D
838 E JOHNSON ST

0709-132-0933-8
RIPPLE, THOMAS D
842 E JOHNSON ST

0709-132-0934-6
MARSHALL, EILEEN M
& KIM WEDEMEIER ET AL
844 E JOHNSON ST

0709-132-0935-4
MARSHALL, EILEEN M
& KIM WEDEMEIER ET AL
846 E JOHNSON ST

0709-132-0936-2
852 LLC
852 E JOHNSON ST

0709-132-1037-7
JOHNSON INVESTMENTS OF
MADISON LLC
807 E JOHNSON ST

0709-132-1036-9
815 E JOHNSON ST LLC
% MADISON PROPERTY MNGMT
815 E JOHNSON ST

0709-132-1035-1
VAN ROOY, CARL
& R ENDRES % WI MGMT CO
817 E JOHNSON ST

0709-132-1034-3
LYBARGER, CATHERINE A
819 E JOHNSON ST

0709-132-1033-5
VAN ROOY, CARL J & JANET
% WI MANAGEMENT CO INC
821 E JOHNSON ST

0709-132-1032-7
ENDRES LIVING TRUST
% RUSS ENDRES
825 E JOHNSON ST

0709-132-1031-9
NELSON LIV TR, NELS W
827 E JOHNSON ST

0709-132-1030-1
KNOEBEL, THOMAS R
835 E JOHNSON ST

0709-132-1029-7
BECKER, RICHARD A
837 E JOHNSON ST

0709-132-1028-9
ANDREASEN, SCOTT C
& V CHERYL ANDREASEN
841 E JOHNSON ST

0709-132-1027-8
CASA GIANFRANCO LLC
843 E JOHNSON ST

0709-132-1026-0
KAESER, ERNEST & CLAIRE
& CONSTRANCE KAESER
847 E JOHNSON ST

0709-132-1025-2
KAESER ENTERPRISES OF
MADISON, INC
851 E JOHNSON ST

PRIVATE UTILITIES TO BE INSTALLED
BY OTHERS
(CONTRACTOR TO COORDINATE WITH
PRIVATE UTILITY CONTRACTOR)

PROPOSED MG&E
ELECTRIC CONDUIT

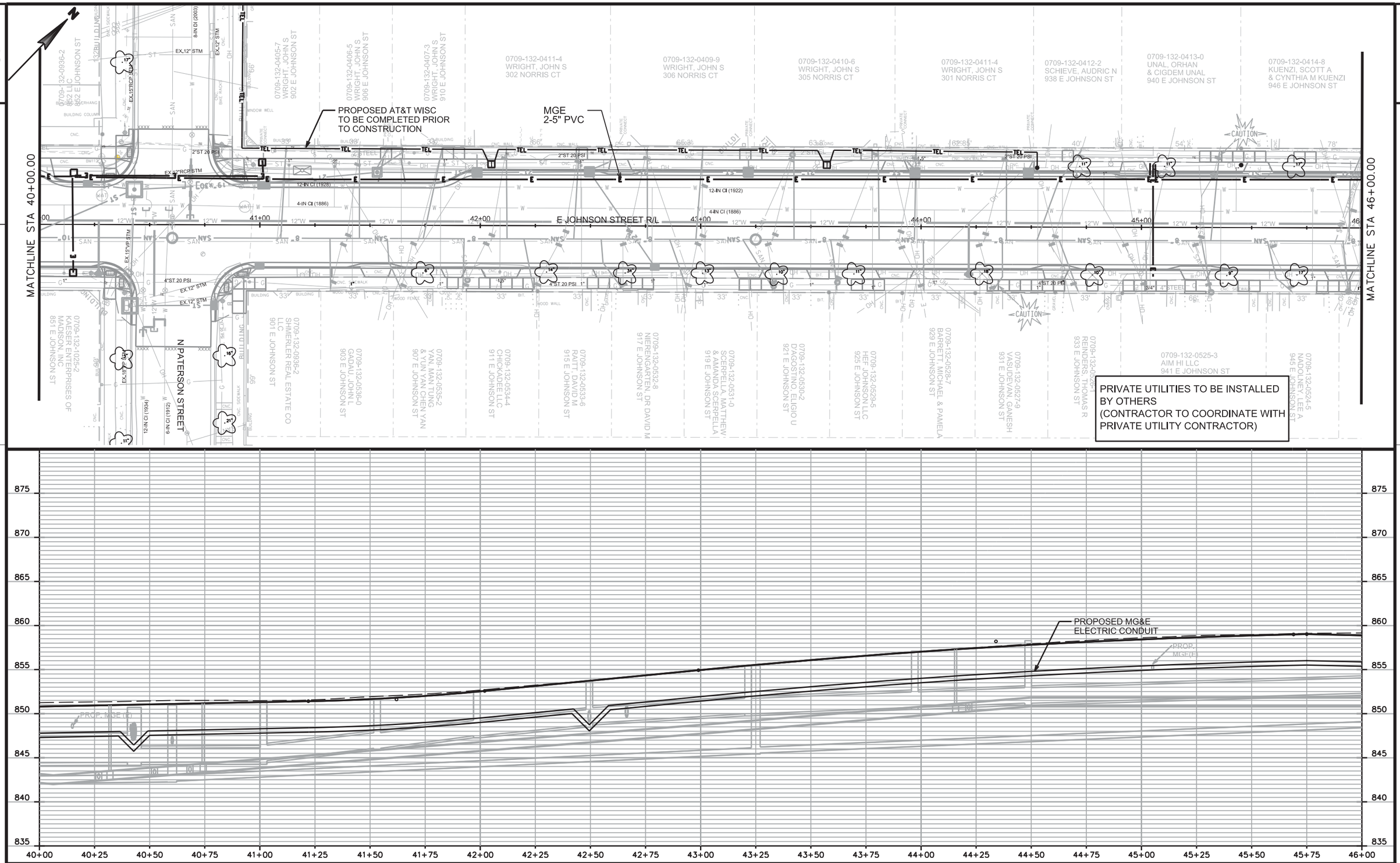
PROP. MGE (E)

870
865
860
855
850
845
840
835
830

34+00 34+25 34+50 34+75 35+00 35+25 35+50 35+75 36+00 36+25 36+50 36+75 37+00 37+25 37+50 37+75 38+00 38+25 38+50 38+75 39+00 39+25 39+50 39+75 40+00

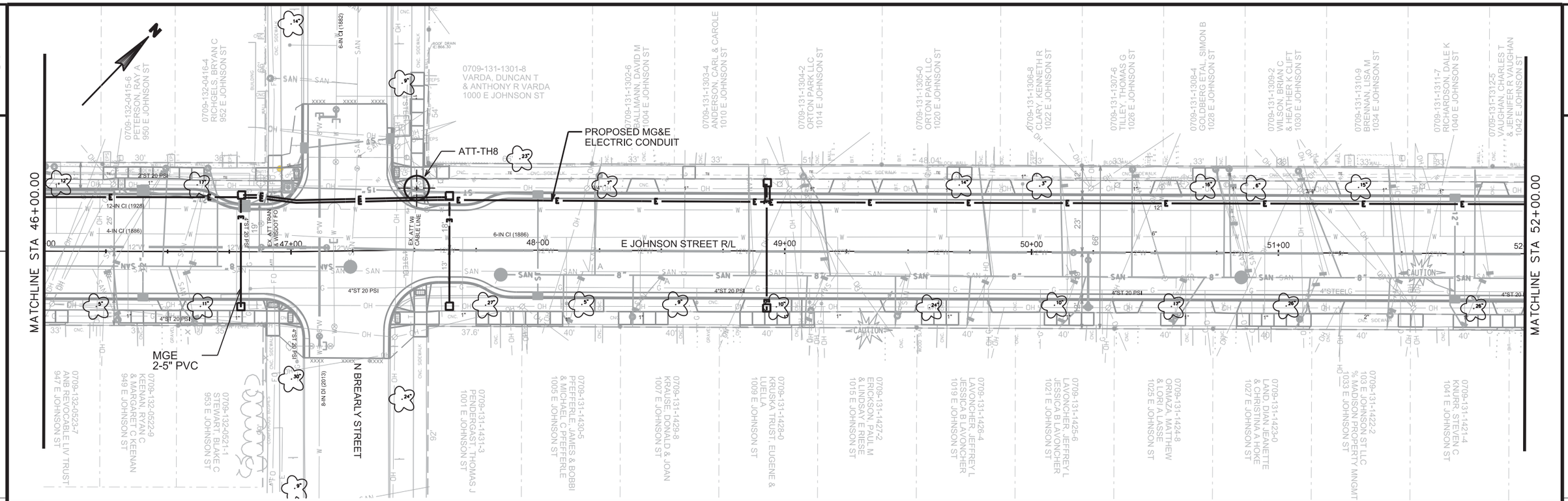
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Survey\Private_Utilites\Priv_Util Plan Sheets\53W0740PVT-PnP**5.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.



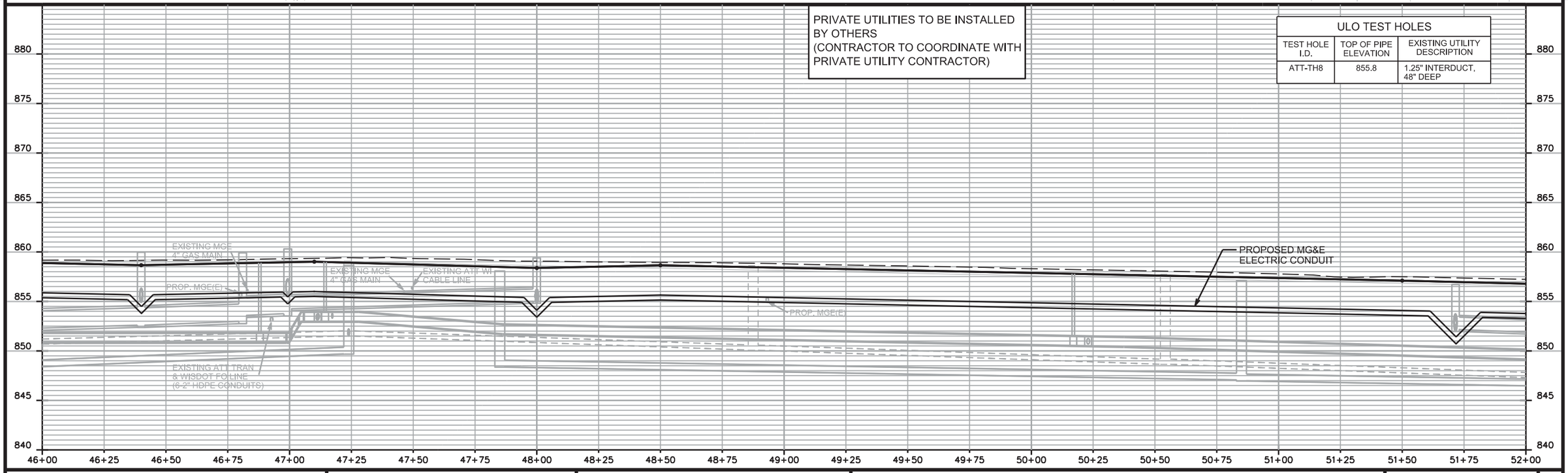
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET 245	E

2



PRIVATE UTILITIES TO BE INSTALLED BY OTHERS
(CONTRACTOR TO COORDINATE WITH PRIVATE UTILITY CONTRACTOR)

ULO TEST HOLES		
TEST HOLE I.D.	TOP OF PIPE ELEVATION	EXISTING UTILITY DESCRIPTION
ATT-TH8	855.8	1.25" INTERDUCT, 48" DEEP



2

MATCHLINE STA 52+00.00

MATCHLINE STA 58+00.00

E JOHNSON STREET R/L

N INGERSOLL STREET

MGE
2-5" PVC

MGE
2-5" PVC

PRIVATE UTILITIES TO BE INSTALLED
BY OTHERS
(CONTRACTOR TO COORDINATE WITH
PRIVATE UTILITY CONTRACTOR)

0709-131-1312-5
VAUGHAN, CHARLES T
& JENNIFER R VAUGHAN
1042 E JOHNSON ST

0709-131-1313-3
HETZEL, JOSEPH & DIANE
1046 E JOHNSON ST

0709-131-1314-1
KOHLHARDT, RANDALL J
1048 E JOHNSON ST

0709-131-1315-9
HETZEL, JOSEPH & DIANE
1052 E JOHNSON ST

0709-131-1115-3
HETZEL, JOSEPH H
DIANE M HETZEL
1100 E JOHNSON ST

0709-131-1117-9
ISOM, JACQUELINE D
1106 E JOHNSON ST

0709-131-1118-7
GOLTR, BRADLEY & TRACI
1108 E JOHNSON ST

0709-131-1119-5
HAEGER, RONALD E
1114 E JOHNSON ST

0709-131-1120-2
BROK INVESTMENTS LLC
1116 E JOHNSON ST

0709-131-1121-0
DERR, MICHAEL J
1132 E JOHNSON ST

0709-131-1122-8
MEINKE, CALEB A
1134 E JOHNSON ST

0709-131-1420-6
RETZLAFF, DANIEL J
& JEFFREY A RETLAFF
1045 E JOHNSON ST

0709-131-1419-9
SPRAGUE, JOHN L
% THE SPRAGUE COMPANY LLC
1047 E JOHNSON ST

0709-131-1418-1
BARON INVESTMENTS VI LLP
% THE CHRISTENSEN CO
1049 E JOHNSON ST

0709-131-1417-3
STEWART ELLIOTT
PROPERTIES LLC
1051 E JOHNSON ST

0709-131-1030-3
CHRISTOPHERSON, SARA C
1105 E JOHNSON ST

0709-131-1028-6
WALTER STREET LLC
% OAKLAND PROP SERV LLC
1111 E JOHNSON ST

0709-131-1028-8
SCHLUTER, JEAN M
% APEX PROPERTIES INC
1113 E JOHNSON ST

0709-131-1027-0
DUTCHER, ANDREW
ANNIE DUTCHER
1115 E JOHNSON ST

0709-131-1026-2
WALDECK LIV TR, ALEXISE
1119 E JOHNSON ST

0709-131-1025-4
CAPTAIN, JEFFERY J
1121 E JOHNSON ST

0709-131-1024-6
1129 EAST JOHNSON STREET
LLC
1129 E JOHNSON ST

0709-131-1023-8
1135 EAST JOHNSON ST LLC
% A & P PROPERTIES
1135 E JOHNSON ST

12-IN CI (1928)

6-IN CI (1882)

8-IN DI (1951)

8-IN DI (1951)

EX 12" STM

EX 8" STM

EX 15" STM

EX 8" SAN

4"ST 20 PSI

TYPE X

lower sidewalk ???

PROPOSED MG&E
ELECTRIC CONDUIT

PROP MGE(E)

EXISTING MSE
4" GAS MAIN

PROP MGE(E)

880
875
870
865
860
855
850
845
840

52+00 52+25 52+50 52+75 53+00 53+25 53+50 53+75 54+00 54+25 54+50 54+75 55+00 55+25 55+50 55+75 56+00 56+25 56+50 56+75 57+00 57+25 57+50 57+75 58+00

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Survey\Private_Utilites\Priv_Util Plan Sheets\53W0740PVT-PnP**8.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

2

MATCHLINE STA 58+00.00

MATCHLINE STA 64+00.00

0709-131-1123-6
BAZZIZ, JEFFREY J
& OSCAR & KAREN SEIBEL
1140 E JOHNSON ST

0709-131-1124-4
HOLTER, KJERSTA K
1144 E JOHNSON ST

0709-131-1125-2
1150 EAST JOHNSON STREET,
LLC % MADISON PROP MNGMT
1156 E JOHNSON ST

0709-131-1126-0
DAY INVESTMENTS LLC
1162 E JOHNSON ST

0709-131-0404-1
RICHTER, CHERIE R
& CHRISTOPHER J RICHTER
1204 E JOHNSON ST

0709-131-0405-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
1208 E JOHNSON ST

0709-131-0406-7
DETTMAN, DAVID W
& PIYANUT SRIPANAWONGSA
1212 E JOHNSON ST

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

0709-131-1021-2
DONNELLY, MICHAEL S
1143 E JOHNSON ST

0709-131-1022-0
DONNELLY, MICHAEL S
1141 E JOHNSON ST

0709-131-1020-4
BERTAGNOLI, CHRIS A
1145 E JOHNSON ST

0709-131-1019-7
GOLD, ALAN
MARY LOU SNOWDEN
1151 E JOHNSON ST

0709-131-0501-5
APEX INVESTMENT GROUP VI
LLC
221 N FEW ST

0709-131-0530-4
FATSIS ARIS
& BETH L FATSIS
1215 E JOHNSON ST

0709-131-0528-7
MAGLI SHERRY L
1217 E JOHNSON ST

0709-131-0528-9
OROSZ MARITAL TR, JANET S
1221 E JOHNSON ST

0709-131-0527-1
MITCHELL, GENE R
& JANIS I ARNOVICH
1225 E JOHNSON ST

0709-131-0526-3
HAMMER, CLIFF GEORGE
& NICOLE MILLER
1229 E JOHNSON ST

N FEW STREET

E JOHNSON STREET R/L

MGE
2-5" PVC

MGE
2-5" PVC

PROPOSED PRIVATE UTILITIES
(SEE PRIVATE UTILITY PLAN)

PROPOSED WATER MAIN
(SEE WATER PLANS)

PROPOSED SANITARY SEWER
(SEE SANITARY PLANS)

12-IN CI (1928)

6-IN CI (1882)

4-IN CI (1927)

6"ST 20 PSI

8"ST 20 PSI

4"ST 20 PSI

4"STEEL

8" TYPE X

59+33.93 PI

62+53.96 PI

PRIVATE UTILITIES TO BE INSTALLED
BY OTHERS
(CONTRACTOR TO COORDINATE WITH
PRIVATE UTILITY CONTRACTOR)

PROPOSED MG&E
ELECTRIC CONDUIT

PROP.
MGE(E)

EXISTING
MGE 8"
GAS MAIN

EXISTING MGE
6" GAS MAIN

PROP.
MGE(E)

875
870
865
860
855
850
845
840
835

58+00 58+25 58+50 58+75 59+00 59+25 59+50 59+75 60+00 60+25 60+50 60+75 61+00 61+25 61+50 61+75 62+00 62+25 62+50 62+75 63+00 63+25 63+50 63+75 64+00

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Survey\Private_Utilites\Priv_Util Plan Sheets\53W0740PVT-PnP**9.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

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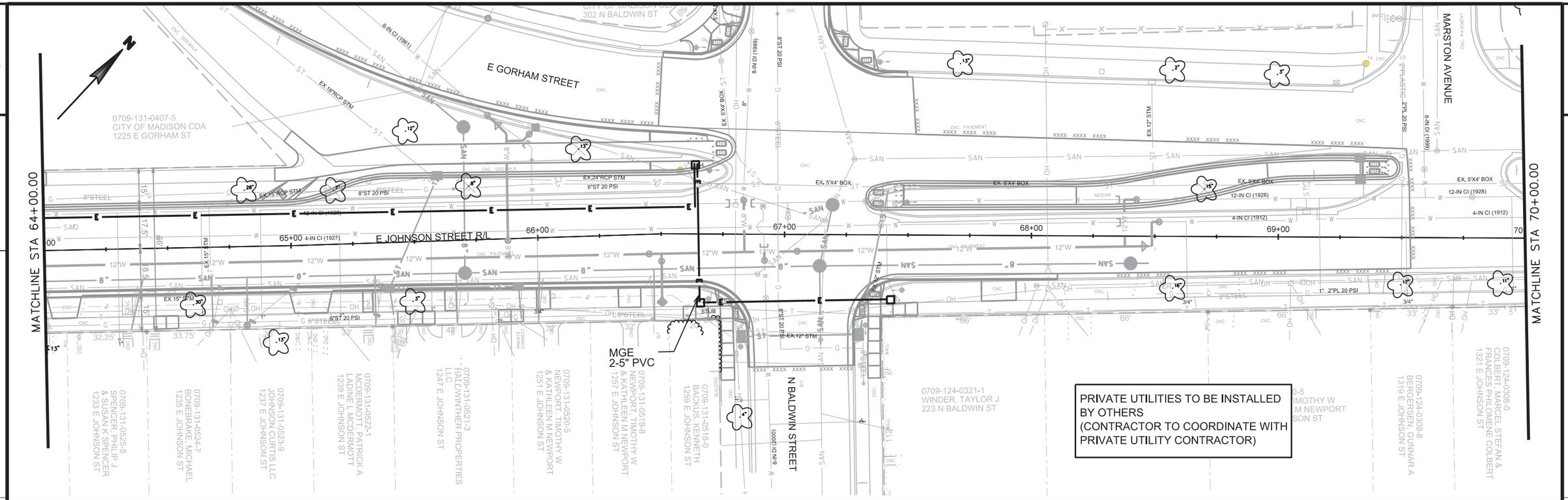

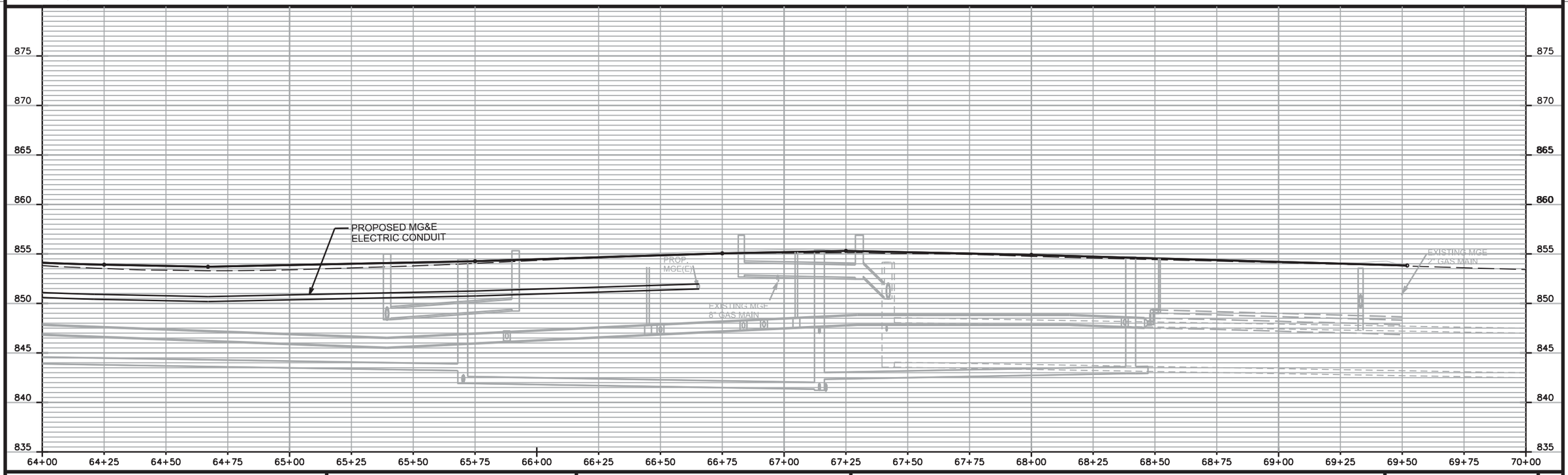

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PRIVATE UTILITY PLAN (NOT IN CONTRACT)	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Survey\Private_Utilites\Priv_Util Plan Sheets\53W0740PVT-PnP**10.dgn PLOT DATE : 11/15/2013 PLOT BY : enkdf PLOT NAME : PLOT SCALE : 40.0000 sf / in.

DATE 13FEB14 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5992-09-11 QUANTITY	5992-09-12 QUANTITY	5992-09-13 QUANTITY
0010	201.0120	CLEARING	ID	708.000	708.000		
0020	201.0220	GRUBBING	ID	722.000	722.000		
0030	204.0100	REMOVING PAVEMENT	SY	29,335.000	29,335.000		
0040	204.0115	REMOVING ASPHALTIC SURFACE BUTT JOINTS	SY	125.000	125.000		
0050	204.0150	REMOVING CURB & GUTTER	LF	12,375.000	12,375.000		
0060	204.0155	REMOVING CONCRETE SIDEWALK	SY	5,480.000	5,480.000		
0070	204.0195	REMOVING CONCRETE BASES	EACH	91.000	91.000		
0080	204.0210	REMOVING MANHOLES	EACH	20.000	20.000		
0090	204.0215	REMOVING CATCH BASINS	EACH	5.000	5.000		
0100	204.0220	REMOVING INLETS	EACH	75.000	75.000		
0110	204.0245	REMOVING STORM SEWER (SIZE) 01. 12-INCH OR LESS	LF	2,302.000	2,302.000		
0120	204.0245	REMOVING STORM SEWER (SIZE) 02. 15-INCH TO 18-INCH	LF	429.000	429.000		
0130	204.0291.S	ABANDONING SEWER	CY	30.230	30.230		
0140	205.0100	EXCAVATION COMMON	CY	25,351.000	25,351.000		
0150	205.0501.S	EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	TON	5,600.000	5,600.000		
0160	211.0100	PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) 01. 5992-09-11	LS	1.000	1.000		
0170	213.0100	FINISHING ROADWAY (PROJECT) 01. 5992-09-11	EACH	1.000	1.000		
0180	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	503.000	503.000		
0190	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	17,002.000	17,002.000		
0200	305.0130	BASE AGGREGATE DENSE 3-INCH	TON	16,390.000	16,390.000		
0210	416.0170	CONCRETE DRIVEWAY 7-INCH	SY	890.000	890.000		
0220	440.4410.S	INCENTIVE IRI RIDE	DOL	6,020.000	6,020.000		
0230	455.0115	ASPHALTIC MATERIAL PG64-22	TON	398.000	398.000		
0240	455.0120	ASPHALTIC MATERIAL PG64-28	TON	194.000	194.000		
0250	455.0605	TACK COAT	GAL	736.000	736.000		
0260	460.1103	HMA PAVEMENT TYPE E-3	TON	10,409.000	10,409.000		
0270	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	6,670.000	6,670.000		
0280	460.4110.S	REHEATING HMA PAVEMENT LONGITUDINAL JOINTS	LF	12,080.000	12,080.000		
0290	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	5.700	5.700		
0300	465.0125	ASPHALTIC SURFACE TEMPORARY	TON	138.000	138.000		
0310	520.8000	CONCRETE COLLARS FOR PIPE	EACH	2.000	2.000		
0320	601.0600	CONCRETE CURB PEDESTRIAN	LF	65.000	65.000		
0330	602.0410	CONCRETE SIDEWALK 5-INCH	SF	39,840.000	39,840.000		
0340	602.0420	CONCRETE SIDEWALK 7-INCH	SF	7,155.000	7,155.000		
0350	602.0515	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	SF	808.000	808.000		
0360	603.8000	CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	LF	508.000	508.000		
0370	603.8125	CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	LF	1,144.000	1,144.000		
0380	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	1,516.000	1,516.000		
0390	608.0315	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	LF	1,135.000	1,135.000		
0400	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	504.000	504.000		
0410	608.0321	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH	LF	599.000	599.000		

3

DATE 13FEB14 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5992-09-11 QUANTITY	5992-09-12 QUANTITY	5992-09-13 QUANTITY
0420	608.0336	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	LF	1,265.000	1,265.000		
0430	608.0348	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH	LF	680.000	680.000		
0440	610.0114	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 14X23-INCH	LF	234.000	234.000		
0450	610.0119	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH	LF	59.000	59.000		
0460	611.0410	RECONSTRUCTING CATCH BASINS	EACH	3.000	3.000		
0470	611.2033	MANHOLES 3X3-FT	EACH	19.000	19.000		
0480	611.2044	MANHOLES 4X4-FT	EACH	11.000	11.000		
0490	611.2055	MANHOLES 5X5-FT	EACH	3.000	3.000		
0500	611.2066	MANHOLES 6X6-FT	EACH	1.000	1.000		
0510	611.3230	INLETS 2X3-FT	EACH	67.000	67.000		
0520	611.8110	ADJUSTING MANHOLE COVERS	EACH	17.000	10.000	7.000	
0530	611.8115	ADJUSTING INLET COVERS	EACH	8.000	8.000		
0540	611.8120.S	COVER PLATES TEMPORARY	EACH	4.000	4.000		
0550	619.1000	MOBILIZATION	EACH	1.000	0.511	0.187	0.302
0560	620.0300	CONCRETE MEDIAN SLOPED NOSE	SF	220.000	220.000		
0570	624.0100	WATER	MGAL	475.000	475.000		
0580	625.0100	TOPSOIL	SY	5,814.000	5,814.000		
0590	627.0200	MULCHING	SY	1,148.000	1,148.000		
0600	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	18.000	18.000		
0610	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	10.000	10.000		
0620	628.7005	INLET PROTECTION TYPE A	EACH	8.000	8.000		
0630	628.7015	INLET PROTECTION TYPE C	EACH	90.000	90.000		
0640	628.7020	INLET PROTECTION TYPE D	EACH	176.000	176.000		
0650	628.7504	TEMPORARY DITCH CHECKS	LF	165.000	165.000		
0660	628.7560	TRACKING PADS	EACH	14.000	14.000		
0670	629.0210	FERTILIZER TYPE B	CWT	4.000	4.000		
0680	630.0140	SEEDING MIXTURE NO. 40	LB	22.000	22.000		
0690	631.0300	SOD WATER	MGAL	255.000	255.000		
0700	631.1000	SOD LAWN	SY	4,511.000	4,511.000		
0710	637.2210	SIGNS TYPE II REFLECTIVE H	SF	944.590	944.590		
0720	637.2230	SIGNS TYPE II REFLECTIVE F	SF	22.500	22.500		
0730	641.8100	OVERHEAD SIGN SUPPORT (STRUCTURE) 01. S-13-438	LS	1.000	1.000		
0740	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000		
0750	643.0100	TRAFFIC CONTROL (PROJECT) 01. 5992-09-11	EACH	1.000	1.000		
0760	643.0300	TRAFFIC CONTROL DRUMS	DAY	43,078.000	43,078.000		
0770	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	10,724.000	10,724.000		
0780	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	21,448.000	21,448.000		
0790	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	5,775.000	5,775.000		
0800	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	448.000	448.000		
0810	643.0900	TRAFFIC CONTROL SIGNS	DAY	18,830.000	18,830.000		
0820	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	160.000	160.000		
0830	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	130.000	130.000		
0840	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	658.000	658.000		
0850	646.0116	PAVEMENT MARKING EPOXY 6-INCH	LF	10,068.000	10,068.000		
0860	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	437.000	437.000		
0870	646.0600	REMOVING PAVEMENT MARKINGS	LF	3,115.000	3,115.000		
0880	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	1.000	1.000		
0890	647.0206	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	EACH	15.000	15.000		

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0900	647.0306	PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY	EACH	15.000	15.000		
0910	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	2.000	2.000		
0920	647.0456	PAVEMENT MARKING CURB EPOXY	LF	2,541.000	2,541.000		
0930	647.0576	PAVEMENT MARKING STOP LINE EPOXY 24-INCH	LF	544.000	544.000		
0940	647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	EACH	2.000	2.000		
0950	647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	1,414.000	1,414.000		
0960	647.0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	LF	1,283.000	1,283.000		
0970	647.0786	PAVEMENT MARKING CROSSWALK EPOXY 18-INCH	LF	886.000	886.000		
0980	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	8,645.000	8,645.000		
0990	649.0400	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	LF	4,839.000	4,839.000		
1000	649.1000	TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 12-INCH	LF	212.000	212.000		
1010	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	113.000	113.000		
1020	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	13,355.000	13,355.000		
1030	650.5000	CONSTRUCTION STAKING BASE	LF	13,355.000	13,355.000		
1040	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	12,665.000	12,665.000		
1050	650.8500	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 5992-09-11	LS	1.000	1.000		
1060	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5992-09-11	LS	1.000	1.000		
1070	652.0215	CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH	LF	24.000	24.000		
1080	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	9,790.000	9,790.000		
1090	652.0235	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	LF	20,023.000	20,023.000		
1100	652.0325	CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH	LF	3,731.000	3,731.000		
1110	652.0335	CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH	LF	10,302.000	10,302.000		
1120	652.0800	CONDUIT LOOP DETECTOR	LF	824.000	824.000		
1130	653.0905	REMOVING PULL BOXES	EACH	8.000	8.000		
1140	654.0110	CONCRETE BASES TYPE 10	EACH	4.000	4.000		
1150	655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	LF	3,291.000	3,291.000		
1160	655.0240	CABLE TRAFFIC SIGNAL 7-14 AWG	LF	1,747.000	1,747.000		
1170	655.0250	CABLE TRAFFIC SIGNAL 9-14 AWG	LF	1,837.000	1,837.000		
1180	655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	LF	1,463.000	1,463.000		
1190	655.0615	ELECTRICAL WIRE LIGHTING 10 AWG	LF	7,220.000	7,220.000		
1200	655.0620	ELECTRICAL WIRE LIGHTING 8 AWG	LF	14,746.000	14,746.000		
1210	655.0625	ELECTRICAL WIRE LIGHTING 6 AWG	LF	44,238.000	44,238.000		
1220	655.0800	LOOP DETECTOR WIRE	LF	2,228.000	2,228.000		
1230	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. BUTLER ST	LS	1.000	1.000		
1240	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 02. BLAIR ST	LS	1.000	1.000		
1250	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 03. BLOUNT ST	LS	1.000	1.000		
1260	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 04. PATERSON ST	LS	1.000	1.000		
1270	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 05. INGERSOLL ST	LS	1.000	1.000		
1280	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 06. BALDWIN ST	LS	1.000	1.000		
1290	657.0100	PEDESTAL BASES	EACH	30.000	30.000		

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5992-09-11 QUANTITY	5992-09-12 QUANTITY	5992-09-13 QUANTITY
1300	657.0405	TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT	EACH	2.000	2.000		
1310	657.0410	TRAFFIC SIGNAL STANDARDS ALUMINUM 9-FT	EACH	7.000	7.000		
1320	657.0420	TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT	EACH	21.000	21.000		
1330	658.0500	PEDESTRIAN PUSH BUTTONS	EACH	12.000	12.000		
1340	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 01. BUTLER - JOHNSON	LS	1.000	1.000		
1350	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 02. BLAIR - JOHNSON	LS	1.000	1.000		
1360	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 03. BLOUNT - JOHNSON	LS	1.000	1.000		
1370	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 04. PATERSON - JOHNSON	LS	1.000	1.000		
1380	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 05. INGERSOLL - JOHNSON	LS	1.000	1.000		
1390	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 06. BALDWIN - JOHNSON	LS	1.000	1.000		
1400	690.0150	SAWING ASPHALT	LF	990.000	990.000		
1410	690.0250	SAWING CONCRETE	LF	6,659.000	6,659.000		
1420	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5.00/HR	HRS	1,000.000	1,000.000		
1430	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	850.000	850.000		
1440	SPV.0035	SPECIAL 01. ABANDON SANITARY SEWER WITH SLURRY	CY	2.220		2.220	
1450	SPV.0045	SPECIAL 01. TEMPORARY CROSSWALK ACCESS	DAY	3,213.000	3,213.000		
1460	SPV.0045	SPECIAL 02. TEMPORARY BICYCLE ACCESS	DAY	168.000	168.000		
1470	SPV.0060	SPECIAL 001. REMOVE BIKE RACK	EACH	10.000	10.000		
1480	SPV.0060	SPECIAL 002. PROVIDE & INSTALL BIKE RACK	EACH	22.000	22.000		
1490	SPV.0060	SPECIAL 003. PROVIDE & INSTALL TREE GRATE, 4-FT X 8-FT	EACH	4.000	4.000		
1500	SPV.0060	SPECIAL 004. ROOT PRUNING EXISTING TERRACE TREES	EACH	75.000	75.000		
1510	SPV.0060	SPECIAL 005. PRECAST SIGN POST BASE	EACH	84.000	84.000		
1520	SPV.0060	SPECIAL 006. SIGN POST BASE FOR CONCRETE INSTALLATION	EACH	8.000	8.000		
1530	SPV.0060	SPECIAL 007. ERECTING CITY-OWNED SIGNS TYPE II	EACH	55.000	55.000		
1540	SPV.0060	SPECIAL 008. TEMPORARY BUS STOP PAD	EACH	3.000	3.000		
1550	SPV.0060	SPECIAL 009. BUS STOP BENCH	EACH	1.000	1.000		
1560	SPV.0060	SPECIAL 010. UTILITY LINE OPENING (ULO)	EACH	44.000	37.000	4.000	3.000
1570	SPV.0060	SPECIAL 011. RECONNECT STORM SEWER LATERALS	EACH	18.000	18.000		
1580	SPV.0060	SPECIAL 012. STORM SEWER TAP	EACH	7.000	7.000		
1590	SPV.0060	SPECIAL 013. SEWER ELECTRONIC MARKERS	EACH	435.000	7.000	428.000	
1600	SPV.0060	SPECIAL 014. INLET 2X3-FT SPECIAL	EACH	1.000	1.000		
1610	SPV.0060	SPECIAL 015. INLET COVER TYPE H SPECIAL	EACH	45.000	45.000		
1620	SPV.0060	SPECIAL 016. INLET COVER TYPE H-S SPECIAL	EACH	44.000	44.000		
1630	SPV.0060	SPECIAL 017. INLET COVERS TERRACE TYPE 3 SPECIAL	EACH	6.000	6.000		
1640	SPV.0060	SPECIAL 018. TERRACE INLET TYPE 3 SPECIAL	EACH	6.000	6.000		
1650	SPV.0060	SPECIAL 019. CATCH BASIN SPECIAL	EACH	3.000	3.000		
1660	SPV.0060	SPECIAL 020. MANHOLE COVERS TYPE J SPECIAL	EACH	57.000	26.000	31.000	
1670	SPV.0060	SPECIAL 021. FLUID THERMAL BACKFILL	EACH	68.000	12.000	32.000	24.000
1680	SPV.0060	SPECIAL 022. SANITARY LATERAL RECONNECT	EACH	199.000		199.000	

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5992-09-11 QUANTITY	5992-09-12 QUANTITY	5992-09-13 QUANTITY
1690	SPV.0060	SPECIAL 023. SANITARY SEWER TAP	EACH	12.000		12.000	
1700	SPV.0060	SPECIAL 024. TEMPORARY SANITARY SEWER CONNECTION	EACH	1.000		1.000	
1710	SPV.0060	SPECIAL 025. SANITARY SEWER ACCESS STRUCTURE (4-FT DIAMETER)	EACH	31.000		31.000	
1720	SPV.0060	SPECIAL 026. SANITARY SEWER INTERNAL CHIMNEY SEA	EACH	9.000		9.000	
1730	SPV.0060	SPECIAL 027. SANITARY SEWER CLEANOUT	EACH	10.000		10.000	
1740	SPV.0060	SPECIAL 028. REMOVE CLEANOUT	EACH	1.000		1.000	
1750	SPV.0060	SPECIAL 029. REMOVE SANITARY SEWER STRUCTURE	EACH	30.000		30.000	
1760	SPV.0060	SPECIAL 030. ADJUST SEWER ACCESS STRUCTURE SPECIAL	EACH	2.000		2.000	
1770	SPV.0060	SPECIAL 031. ABANDON SANITARY SEWER-PIPE PLUG	EACH	333.000		333.000	
1780	SPV.0060	SPECIAL 032. RECONSTRUCT BENCH AND FLOWLINES	EACH	2.000		2.000	
1790	SPV.0060	SPECIAL 033. PIPE SUPPORTS	EACH	10.000		10.000	
1800	SPV.0060	SPECIAL 034. INSTALL COMPRESSION COUPLING	EACH	3.000		3.000	
1810	SPV.0060	SPECIAL 035. SLURRY BACKFILL	EACH	25.000		25.000	
1820	SPV.0060	SPECIAL 036. REMOVE INSIDE DROP	EACH	2.000		2.000	
1830	SPV.0060	SPECIAL 037. CUT-IN CONNECTION	EACH	26.000			26.000
1840	SPV.0060	SPECIAL 038. FURNISH & INSTALL HYDRANT	EACH	22.000			22.000
1850	SPV.0060	SPECIAL 039. CUT OFF EXISTING WATER MAIN	EACH	19.000			19.000
1860	SPV.0060	SPECIAL 040. ABANDON WATER VALVE BOX	EACH	54.000			54.000
1870	SPV.0060	SPECIAL 041. ABANDON WATER VALVE ACCESS STRUCTUR	EACH	23.000			23.000
1880	SPV.0060	SPECIAL 042. ABANDON HYDRANT	EACH	21.000			21.000
1890	SPV.0060	SPECIAL 043. ADJUST WATER VALVE BOX	EACH	7.000			7.000
1900	SPV.0060	SPECIAL 044. FURNISH & INSTALL 4-INCH VALVE	EACH	2.000			2.000
1910	SPV.0060	SPECIAL 045. FURNISH & INSTALL 6-INCH VALVE	EACH	27.000			27.000
1920	SPV.0060	SPECIAL 046. FURNISH & INSTALL 8-INCH VALVE	EACH	13.000			13.000
1930	SPV.0060	SPECIAL 047. FURNISH & INSTALL 10-INCH VALVE	EACH	3.000			3.000
1940	SPV.0060	SPECIAL 048. FURNISH & INSTALL 12-INCH VALVE	EACH	26.000			26.000
1950	SPV.0060	SPECIAL 049. FURNISH & INSTALL 16-INCH VALVE	EACH	9.000			9.000
1960	SPV.0060	SPECIAL 050. FURNISH & INSTALL 20-INCH VALVE	EACH	3.000			3.000
1970	SPV.0060	SPECIAL 051. DISCONNECT & RECONNECT SERVICE LATERAL, 1-INCH	EACH	54.000			54.000
1980	SPV.0060	SPECIAL 052. DISCONNECT & RECONNECT SERVICE LATERAL, 1.5 OR 2-INCH	EACH	2.000			2.000
1990	SPV.0060	SPECIAL 053. ADJUST WATER SERVICE BOX	EACH	36.000			36.000
2000	SPV.0060	SPECIAL 054. FURNISH & INSTALL CURB BOX	EACH	12.000			12.000
2010	SPV.0060	SPECIAL 055. FURNISH & INSTALL CURB STOP	EACH	16.000			16.000
2020	SPV.0060	SPECIAL 056. ABANDON EXISTING CURB BOX	EACH	13.000			13.000
2030	SPV.0060	SPECIAL 057. FURNISH EXCAVATION AND DITCH FOR LIVE TAP	EACH	7.000			7.000
2040	SPV.0060	SPECIAL 058. CASE WATER SERVICE LATERAL	EACH	6.000			6.000
2050	SPV.0060	SPECIAL 059. REMOVE STREET LIGHT	EACH	60.000	60.000		

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2060	SPV.0060	SPECIAL 060. LIGHTING CONTROL CABINET	EACH	6.000	6.000		
2070	SPV.0060	SPECIAL 061. LED LUMINAIRE AND MOUNTING BRACKET TYPE 1	EACH	23.000	23.000		
2080	SPV.0060	SPECIAL 062. LED LUMINAIRE AND MOUNTING BRACKET TYPE 2	EACH	7.000	7.000		
2090	SPV.0060	SPECIAL 063. POLE 30-FOOT, 11 GAUGE	EACH	22.000	22.000		
2100	SPV.0060	SPECIAL 064. POLE 30-FOOT, 7 GAUGE	EACH	5.000	5.000		
2110	SPV.0060	SPECIAL 065. POLE 20-FOOT, 7 GAUGE	EACH	6.000	6.000		
2120	SPV.0060	SPECIAL 066. ELECTRICAL PULLBOX TYPE 1	EACH	44.000	44.000		
2130	SPV.0060	SPECIAL 067. ELECTRICAL PULLBOX TYPE 3	EACH	7.000	7.000		
2140	SPV.0060	SPECIAL 068. ELECTRICAL PULLBOX TYPE 5	EACH	8.000	8.000		
2150	SPV.0060	SPECIAL 069. ELECTRICAL UTILITY ACCESS STRUCTURE	EACH	28.000	28.000		
2160	SPV.0060	SPECIAL 070. CONCRETE BASE TYPE G	EACH	28.000	28.000		
2170	SPV.0060	SPECIAL 071. CONCRETE BASE TYPE LB-1	EACH	85.000	85.000		
2180	SPV.0060	SPECIAL 072. CONCRETE BASE TYPE LB-3	EACH	20.000	20.000		
2190	SPV.0060	SPECIAL 073. CONCRETE BASE TYPE LB-8	EACH	12.000	12.000		
2200	SPV.0060	SPECIAL 074. CONCRETE BASE TYPE P	EACH	6.000	6.000		
2210	SPV.0060	SPECIAL 075. CONCRETE BASE TYPE M	EACH	6.000	6.000		
2220	SPV.0060	SPECIAL 076. CONCRETE BASE OFFSET	EACH	4.000	4.000		
2230	SPV.0060	SPECIAL 077. TRANSFORMER BASE STEEL, 16-INCH	EACH	17.000	17.000		
2240	SPV.0060	SPECIAL 078. TRANSFORMER BASE STEEL, 20-INCH	EACH	1.000	1.000		
2250	SPV.0060	SPECIAL 079. MONOTUBE POLE, TYPE 9	EACH	4.000	4.000		
2260	SPV.0060	SPECIAL 080. MONOTUBE ARM, 20-FOOT	EACH	1.000	1.000		
2270	SPV.0060	SPECIAL 081. MONOTUBE ARM, 25-FOOT	EACH	1.000	1.000		
2280	SPV.0060	SPECIAL 082. MONOTUBE ARM, 30-FOOT	EACH	2.000	2.000		
2290	SPV.0060	SPECIAL 083. TRAFFIC SIGNAL CONTROL CABINET	EACH	6.000	6.000		
2300	SPV.0060	SPECIAL 084. TRAFFIC SIGNAL CONTROLLER	EACH	6.000	6.000		
2310	SPV.0060	SPECIAL 085. NEMA-PLUS CONFLICT MONITOR	EACH	6.000	6.000		
2320	SPV.0060	SPECIAL 086. TRAFFIC SIGNAL ETHERNET SWITCH	EACH	6.000	6.000		
2330	SPV.0060	SPECIAL 087. TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM, 18-FOOT	EACH	9.000	9.000		
2340	SPV.0060	SPECIAL 088. TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM, 12-FOOT	EACH	2.000	2.000		
2350	SPV.0060	SPECIAL 089. TRAFFIC SIGNAL HEADS 8-INCH, 3-SECTION	EACH	12.000	12.000		
2360	SPV.0060	SPECIAL 090. TRAFFIC SIGNAL HEADS 12-INCH, 3-SECTION	EACH	48.000	48.000		
2370	SPV.0060	SPECIAL 091. TRAFFIC SIGNAL HEADS 12-INCH, 4-SECTION	EACH	5.000	5.000		
2380	SPV.0060	SPECIAL 092. TRAFFIC SIGNAL HEADS 12-INCH, PEDESTRIAN	EACH	54.000	54.000		
2390	SPV.0060	SPECIAL 093. TRAFFIC SIGNAL HEADS 12-INCH, PEDESTRIAN COUNTDOWN	EACH	54.000	54.000		
2400	SPV.0060	SPECIAL 094. PEDESTRIAN SCALE STREET LIGHT UNIT	EACH	85.000	85.000		
2410	SPV.0060	SPECIAL 095. BACKPLATES SIGNAL FACE 12-INCH, 3-SECTION	EACH	48.000	48.000		
2420	SPV.0060	SPECIAL 096. BACKPLATES SIGNAL FACE 12-INCH, 4-SECTION	EACH	5.000	5.000		
2430	SPV.0060	SPECIAL 097. COMMUNICATION NODE FOR PEDESTRIAN SCALE STREET LIGHT UNITS	EACH	85.000	85.000		

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2440	SPV.0060	SPECIAL 098. COMMUNICATION NODE FOR NON-PEDESTRIAN SCALE LIGHT UNITS	EACH	27.000	27.000		
2450	SPV.0060	SPECIAL 099. DIMMING CONTROL MODULE	EACH	112.000	112.000		
2460	SPV.0060	SPECIAL 100. ROAMVIEW GATEWAY	EACH	1.000	1.000		
2470	SPV.0060	SPECIAL 101. CLAY TRENCH PLUG	EACH	15.000			15.000
2480	SPV.0060	SPECIAL 102. MANHOLE 3X3-FT SADDLED SPECIAL	EACH	3.000	3.000		
2490	SPV.0090	SPECIAL 01. CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL	LF	1,790.000	1,790.000		
2500	SPV.0090	SPECIAL 02. CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL	LF	8,575.000	8,575.000		
2510	SPV.0090	SPECIAL 03. CONCRETE CURB AND GUTTER 24-INCH TYPE X SPECIAL	LF	125.000	125.000		
2520	SPV.0090	SPECIAL 04. CONCRETE CURB AND GUTTER 30-INCH TYPE X SPECIAL	LF	2,110.000	2,110.000		
2530	SPV.0090	SPECIAL 05. SIGN POST	LF	675.800	675.800		
2540	SPV.0090	SPECIAL 06. REFLECTIVE SIGN POST	LF	207.000	207.000		
2550	SPV.0090	SPECIAL 07. REMOVE ABANDONED STEAM TUNNEL	LF	415.000	415.000		
2560	SPV.0090	SPECIAL 08. STORM SEWER PIPE PVC, 8-INCH	LF	22.000	22.000		
2570	SPV.0090	SPECIAL 09. STORM SEWER PIPE PVC, 12-INCH	LF	9.000	9.000		
2580	SPV.0090	SPECIAL 10. SANITARY SEWER LATERAL	LF	5,194.000		5,194.000	
2590	SPV.0090	SPECIAL 11. SANITARY SEWER PIPE PVC, 8-INCH	LF	3,004.000		3,004.000	
2600	SPV.0090	SPECIAL 12. SANITARY SEWER PIPE PVC, 10-INCH	LF	1,992.000		1,992.000	
2610	SPV.0090	SPECIAL 13. SANITARY SEWER PRESSURE PIPE (C900), 8-INCH	LF	750.000		750.000	
2620	SPV.0090	SPECIAL 14. SANITARY SEWER PRESSURE PIPE (C900), 16-INCH	LF	90.000		90.000	
2630	SPV.0090	SPECIAL 15. REMOVE SANITARY SEWER PIPE	LF	1,084.000		1,084.000	
2640	SPV.0090	SPECIAL 16. UTILITY TRENCH PATCH TYPE III	LF	789.000	20.000	619.000	150.000
2650	SPV.0090	SPECIAL 17. SELECT FILL FOR SANITARY SEWER	LF	11,030.000		11,030.000	
2660	SPV.0090	SPECIAL 18. FURNISH & INSTALL 4-INCH PIPE & FITTINGS	LF	53.000			53.000
2670	SPV.0090	SPECIAL 19. FURNISH & INSTALL 6-INCH PIPE & FITTINGS	LF	494.000			494.000
2680	SPV.0090	SPECIAL 20. FURNISH & INSTALL 8-INCH PIPE & FITTINGS	LF	717.000			717.000
2690	SPV.0090	SPECIAL 21. FURNISH & INSTALL 10-INCH PIPE & FITTINGS	LF	188.000			188.000
2700	SPV.0090	SPECIAL 22. FURNISH & INSTALL 12-INCH PIPE & FITTINGS	LF	5,191.000			5,191.000
2710	SPV.0090	SPECIAL 23. FURNISH & INSTALL 16-INCH PIPE & FITTINGS	LF	894.000			894.000
2720	SPV.0090	SPECIAL 24. FURNISH & INSTALL 20-INCH PIPE & FITTINGS	LF	172.000			172.000
2730	SPV.0090	SPECIAL 25. SELECT FILL FOR WATER MAIN	LF	7,709.000			7,709.000
2740	SPV.0090	SPECIAL 26. FURNISH & INSTALL 2-IN FOAM BOARD INSULATION	LF	944.000			944.000
2750	SPV.0090	SPECIAL 27. EXTEND & RECONNECT 1-INCH SERVICE LATERAL	LF	632.000			632.000
2760	SPV.0090	SPECIAL 28. EXTEND & RECONNECT 1.5-INCH SERVICE LATERAL	LF	82.000			82.000

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DATE 13FEB14 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5992-09-11 QUANTITY	5992-09-12 QUANTITY	5992-09-13 QUANTITY
2770	SPV.0090	SPECIAL 29. EXTEND & RECONNECT 2-INCH SERVICE LATERAL	LF	69.000			69.000
2780	SPV.0090	SPECIAL 30. REPLACE COPPER SERVICE LATERAL 1-INCH	LF	2,198.000			2,198.000
2790	SPV.0090	SPECIAL 31. REPLACE COPPER SERVICE LATERAL 1.5 & 2-INCH	LF	32.000			32.000
2800	SPV.0090	SPECIAL 32. ELECTRICAL WIRE LIGHTING, 14-3 GROUNDED	LF	2,525.000	2,525.000		
2810	SPV.0090	SPECIAL 33. LOOP DETECTOR LEAD-IN CABLE SPECIAL	LF	3,555.000	3,555.000		
2820	SPV.0090	SPECIAL 34. FIBER OPTIC CABLE 72-COUNT	LF	6,369.000	6,369.000		
2830	SPV.0090	SPECIAL 35. SAND THERMAL BACKFILL	LF	920.000	920.000		
2840	SPV.0105	SPECIAL 01. PROJECT DEWATERING	LS	1.000		1.000	
2850	SPV.0105	SPECIAL 02. WASTEWATER CONTROL	LS	1.000		1.000	
2860	SPV.0105	SPECIAL 03. CONSTRUCTION STAKING SANITARY SEWER	LS	1.000		1.000	
2870	SPV.0105	SPECIAL 04. CONSTRUCTION STAKING WATER MAIN	LS	1.000			1.000
2880	SPV.0105	SPECIAL 05. OPTICAL SIGNAL PREEMPT	LS	1.000	1.000		
2890	SPV.0105	SPECIAL 06. TEMPORARY TRAFFIC SIGNALS (BUTLER-HAMILTON-JOHNSON)	LS	1.000	1.000		
2900	SPV.0105	SPECIAL 07. TEMPORARY TRAFFIC SIGNALS (BLOUNT-JOHNSON)	LS	1.000	1.000		
2910	SPV.0105	SPECIAL 08. TEMPORARY TRAFFIC SIGNALS (PATERSON-JOHNSON)	LS	1.000	1.000		
2920	SPV.0105	SPECIAL 09. TEMPORARY TRAFFIC SIGNALS (INGERSOLL-JOHNSON)	LS	1.000	1.000		
2930	SPV.0105	SPECIAL 10. TEMPORARY TRAFFIC SIGNALS (BALDWIN-JOHNSON)	LS	1.000	1.000		
2940	SPV.0105	SPECIAL 11. TEMPORARY VEHICLE DETECTION (BUTLER-HAMILTON-JOHNSON)	LS	1.000	1.000		
2950	SPV.0105	SPECIAL 12. TEMPORARY VEHICLE DETECTION (BALDWIN-JOHNSON)	LS	1.000	1.000		
2960	SPV.0105	SPECIAL 13. TEMPORARY LIGHTING	LS	1.000	1.000		
2970	SPV.0165	SPECIAL 01. COLORED CROSSWALK	SF	3,410.000	3,410.000		
2980	SPV.0165	SPECIAL 02. COLORED BIKE BOX	SF	510.000	510.000		
2990	SPV.0180	SPECIAL 01. ARCHITECTURAL CONCRETE PAVEMENT 5-INCH	SY	106.000	106.000		
3000	SPV.0200	SPECIAL 01. CONSTRUCT OUTSIDE DROP, 8-INCH	VF	14.340		14.340	
3010	SPV.0200	SPECIAL 02. CONSTRUCT OUTSIDE DROP, 10-INCH	VF	3.940		3.940	

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SAWCUTTING

CATEGORY	STATION	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	10+60	--	E JOHNSON ST, LT	-	18
	10+60	--	E JOHNSON ST, RT	-	18
	10+83	--	HAMILTON ST, RT	-	40
	11+52	--	BUTLER ST, LT	-	26
	11+52	--	BUTLER ST, RT	-	26
	12+28	--	HAMILTON ST, LT	36	-
	14+80	--	HANCOCK ST, LT	21	-
	14+80	--	HANCOCK ST, RT	-	32
	17+46	--	FRANKLIN ST, LT	30	-
	17+46	--	FRANKLIN ST, RT	32	-
	20+78	--	BLAIR ST, LT	-	32
	20+78	--	BLAIR ST, RT	-	32
	27+40	--	BLOUNT ST, LT	24	-
	27+40	--	BLOUNT ST, RT	33	-
	34+00	--	LIVINGSTON ST, LT	28	-
	34+00	--	LIVINGSTON ST, RT	36	-
	40+60	--	PATERSON ST, LT	32	-
	40+60	--	PATERSON ST, RT	34	-
	47+22	--	BREARLY ST, LT	30	-
	47+22	--	BREARLY ST, RT	-	30
	53+85	--	INGERSOLL ST, LT	26	-
	53+85	--	INGERSOLL ST, RT	26	-
	60+45	--	FEW ST, LT	26	-
	60+45	--	FEW ST, RT	26	-
	64+64	69+52	GORHAM & BALDWIN, LT	30	456
	67+05	--	BALDWIN ST, RT	38	-
	69+53	--	E JOHNSON, LT	-	36
	69+53	--	E JOHNSON, RT	-	13
SAWCUTTING FOR TRAFFIC CONTROL STAGE 2					
	10+60	69+53	E JOHNSON ST	-	5900
SAWCUTTING FOR TRAFFIC CONTROL STAGE 4					
	10+60	69+53	E JOHNSON ST	320	-
SAWCUTTING FOR ASPHALT DRIVEWAYS					
	--	--	E JOHNSON ST	162	-
			PROJECT TOTALS	990	6659

CONCRETE SIDEWALK

CATEGORY	STATION	-	STATION	LOCATION	602.0410 5-INCH SF	602.0420 7-INCH SF
0010	10+60	-	12+00	LT	250	205
	10+60	-	12+00	RT	860	320
	12+00	-	14+80	LT	760	295
	12+00	-	14+80	RT	980	205
	14+80	-	17+50	LT	355	205
	14+80	-	17+50	RT	700	200
	17+50	-	20+80	LT	800	220
	17+50	-	20+80	RT	780	230
	20+80	-	27+40	LT	1275	210
	20+80	-	27+40	RT	1500	300
	27+40	-	34+00	LT	2400	315
	27+40	-	34+00	RT	1910	225
	34+00	-	40+60	LT	3200	475
	34+00	-	40+60	RT	3150	450
	40+60	-	47+25	LT	3770	280
	40+60	-	47+25	RT	2125	590
	47+25	-	53+85	LT	1410	165
	47+25	-	53+85	RT	2320	330
	53+85	-	60+45	LT	1660	330
	53+85	-	60+45	RT	1660	310
	60+45	-	67+05	LT	2125	365
	60+45	-	67+05	RT	2030	140
	67+05	-	69+53	LT	--	200
	67+05	-	69+53	RT	220	190
	UNDISTRIBUTED, PROJECT			LT	1800	200
	UNDISTRIBUTED, PROJECT			RT	1800	200
				PROJECT TOTALS	39840	7155

NOTE: QUANTITIES INCLUDE SIDEWALK REPLACEMENT FOR UTILITY CONSTRUCTION

CONCRETE DRIVEWAY 7-INCH

CATEOGRY	STATION	-	STATION	LOCATION	416.0170 SY
0010	10+60	-	12+00	LT	--
	10+60	-	12+00	RT	--
	12+00	-	14+80	LT	--
	12+00	-	14+80	RT	35
	14+80	-	17+50	LT	--
	14+80	-	17+50	RT	15
	17+50	-	20+80	LT	20
	17+50	-	20+80	RT	25
	20+80	-	27+40	LT	30
	20+80	-	27+40	RT	60
	27+40	-	34+00	LT	55
	27+40	-	34+00	RT	35
	34+00	-	40+60	LT	75
	34+00	-	40+60	RT	55
	40+60	-	47+25	LT	22
	40+60	-	47+25	RT	60
	47+25	-	53+85	LT	75
	47+25	-	53+85	RT	70
	53+85	-	60+45	LT	48
	53+85	-	60+45	RT	60
	60+45	-	67+05	LT	55
	60+45	-	67+05	RT	60
	67+05	-	69+53	LT	--
	67+05	-	69+53	RT	--
	UNDISTRIBUTED			PROJECT	35
				PROJECT TOTAL	890

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	620.0300 SF
0010	60+71	LT	80
	67+45	LT	110
	69+45	LT	30
		PROJECT TOTAL	220

ARCHITECTURAL CONCRETE PAVEMENT 5-INCH

CATEGORY	STATION	-	STATION	LOCATION	SPV.0180.001 SY
0010	66+46	-	66+69	LT	20
	67+48	-	68+18	LT	60
	68+95	-	69+34	LT	26
				PROJECT TOAL	106

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	STATION	-	STATION	LOCATION	602.0515 SF
0010	10+75	-	12+25	BUTLER & HAMILTON INT.	96
	14+50	-	15+25	HANCOCK INT.	64
	17+00	-	18+00	FRANKLIN INT.	64
	20+25	-	21+25	BLAIR INT.	64
	27+00	-	27+75	BLOUNT INT.	64
	33+50	-	34+50	LIVINGSTON INT.	64
	37+30	-	---	E. JOHNSON, LT & RT	16
	40+25	-	41+00	PATERSON INT.	64
	46+75	-	47+75	BREARLY INT.	64
	53+50	-	54+25	INGERSOLL INT.	64
	60+00	-	61+00	FEW INT.	64
	64+95	-	---	E. JOHNSON, LT	8
	66+50	-	67+50	BALDWIN/GORHAM INT.	96
	69+39	-	---	E. JOHNSON, LT	16
				PROJECT TOTAL	808

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TREE REMOVAL

CATEGORY	STATION	LOCATION	201.0120 CLEARING IN DIA	201.0220 GRUBBING IN DIA	SPV.0060.004 ROOT PRUNING EXISTING TERRACE TREES EACH
0010	12+47	LT	19	19	--
	14+02	RT	24	24	--
	16+43	RT	13	13	--
	19+51	RT	25	25	--
	19+52	LT	10	10	--
	20+02	RT	24	24	--
	21+38	LT	28	28	--
	24+95	RT	18	18	--
	26+12	RT	22	22	--
	28+46	RT	16	16	--
	28+87	RT	23	23	--
	29+42	RT	19	19	--
	29+87	RT	15	15	--
	30+86	RT	10	10	--
	30+89	LT	20	20	--
	31+69	LT	25	25	--
	33+33	RT	18	18	--
	35+13	RT	10	10	--
	36+03	RT	---	14	--
	36+38	RT	14	14	--
	38+10	RT	14	14	--
	38+48	RT	10	10	--
	44+28	RT	18	18	--
	44+78	RT	10	10	--
	46+62	LT	12	12	--
	47+79	RT	27	27	--
	48+18	RT	5	5	--
	50+57	RT	17	17	--
	50+90	LT	6	6	--
	51+03	RT	26	26	--
	51+79	RT	26	26	--
	52+88	RT	30	30	--
	53+38	RT	18	18	--
	57+10	RT	20	20	--
	57+35	LT	19	19	--
	58+00	LT	9	9	--
	59+70	LT	15	15	--
	65+18	LT	7	7	--
	65+73	LT	8	8	--
	66+18	LT	13	13	--
	68+70	LT	15	15	--
UNDISTRIBUTED	PROJECT		30	30	75
	PROJECT TOTALS		708	722	75

REMOVING CURB & GUTTER

CATEGORY	STATION	-	STATION	LOCATION	204.0150 LF
0010	10+60	-	12+00	LT	180
	10+60	-	12+00	RT	110
	12+00	-	14+80	LT	325
	12+00	-	14+80	RT	300
	14+80	-	17+50	LT	295
	14+80	-	17+50	RT	285
	17+50	-	20+80	LT	350
	17+50	-	20+80	RT	340
	20+80	-	27+40	LT	680
	20+80	-	27+40	RT	660
	27+40	-	34+00	LT	685
	27+40	-	34+00	RT	655
	34+00	-	40+60	LT	645
	34+00	-	40+60	RT	665
	40+60	-	47+25	LT	670
	40+60	-	47+25	RT	665
	47+25	-	53+85	LT	680
	47+25	-	53+85	RT	670
	53+85	-	60+45	LT	660
	53+85	-	60+45	RT	660
	60+45	-	67+05	LT	920
	60+45	-	67+05	RT	665
	67+05	-	69+53	LT	500
	67+05	-	69+53	RT	110

PROJECT TOTAL 12375

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	-	STATION	LOCATION	204.0155 SY
0010	10+60	-	12+00	LT	50
	10+60	-	12+00	RT	105
	12+00	-	14+80	LT	90
	12+00	-	14+80	RT	155
	14+80	-	17+50	LT	60
	14+80	-	17+50	RT	120
	17+50	-	20+80	LT	110
	17+50	-	20+80	RT	120
	20+80	-	27+40	LT	165
	20+80	-	27+40	RT	230
	27+40	-	34+00	LT	290
	27+40	-	34+00	RT	260
	34+00	-	40+60	LT	320
	34+00	-	40+60	RT	325
	40+60	-	47+25	LT	405
	40+60	-	47+25	RT	335
	47+25	-	53+85	LT	190
	47+25	-	53+85	RT	315
	53+85	-	60+45	LT	230
	53+85	-	60+45	RT	240
	60+45	-	67+05	LT	230
	60+45	-	67+05	RT	265
	67+05	-	69+53	LT	35
	67+05	-	69+53	RT	45
	UNDISTRIBUTED, PROJECT			LT	330
	UNDISTRIBUTED, PROJECT			RT	460

PROJECT TOTAL 5480

NOTE: QUANTITIES INCLUDE CONCRETE REMOVAL FOR UTILITY CONSTRUCTION

COLORED PAVEMENT MARKINGS

CATEGORY	LOCATION	SPV.0165.01 COLORED CROSSWALK SF	SPV.0165.02 COLORED BIKE BOX SF
0010	E JOHNSON, HANCOCK INT	720	--
	E JOHNSON, FRANKLIN INT	720	--
	E. JOHNSON, LIVINGSTON INT	700	--
	E JOHNSON, BREARLY INT	630	--
	E JOHNSON, FEW INT	640	--
	E JOHNSON, BALDWIN INT	--	510
	PROJECT TOTALS	3410	510

REMOVING PAVEMENT

CATEGORY	STATION - STATION	LOCATION	204.0100 SY
0010	10+60 - 12+00	LT	680
	10+60 - 12+00	RT	935
	12+00 - 14+80	LT	685
	12+00 - 14+80	RT	720
	14+80 - 17+50	LT	710
	14+80 - 17+50	RT	750
	17+50 - 20+80	LT	945
	17+50 - 20+80	RT	820
	20+80 - 27+40	LT	1820
	20+80 - 27+40	RT	1400
	27+40 - 34+00	LT	1765
	27+40 - 34+00	RT	1360
	34+00 - 40+60	LT	1860
	34+00 - 40+60	RT	1390
	40+60 - 47+25	LT	1790
	40+60 - 47+25	RT	1400
	47+25 - 53+85	LT	1715
	47+25 - 53+85	RT	1350
	53+85 - 60+45	LT	1610
	53+85 - 60+45	RT	1320
	60+45 - 67+05	LT	1610
	60+45 - 67+05	RT	1400
	67+05 - 69+53	LT	810
	67+05 - 69+53	RT	490
	PROJECT TOTAL		29335

CONSTRUCTION STAKING

CATEGORY	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.8500 ELECTRICAL INSTALLATIONS LUMP	650.9910 SUPPLEMENTAL CONTROL LUMP
0010	STAGE 2				
	E JOHNSON ST, LT	450	450	--	--
	E JOHNSON ST, RT	5900	5900	--	--
	SIDEROADS	1175	1175	--	--
	STAGE 2 TOTAL	7525	7525	--	--
0010	STAGE 3				
	E JOHNSON ST LT	5470	5470	--	--
	SIDEROADS	360	360	--	--
	STAGE 3 TOTAL	5830	5830	--	--
	PROJECT TOTALS	13355	13355	1	1

NOTE: SEE MISCELLANEOUS QUANTITIES FOR CURB & GUTTER, STORM SEWER, SANITARY SEWER AND WATER FOR ADDITIONAL CONSTRUCTION STAKING QUANTITITES

ASPHALTIC SURFACE TEMPORARY

CATEGORY	TRAFFIC CONTROL STAGE	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	465.0125 ASPHALTIC SURFACE TEMPORARY TON	REMARKS
0010	STAGE 1	PROJECT	--	110	TEMPORARY PAVEMENT
	STAGE 2	PROJECT	--	6	TEMPORARY WEDGING AT MANHOLES
	STAGE 5	PROJECT	95	--	TEMPORARY WEDGING AT MANHOLES
		UNDISTRIBUTED	30	2	TEMPORARY WEDGING AT MANHOLES
		UNDISTRIBUTED	--	20	TEMPORARY PAVEMENT
	PROJECT TOTALS		125	138	

EARTHWORK SUMMARY (205.0100 EXCAVATION COMMON)

CATEGORY	TRAFFIC CONTROL STAGE	STATION - STATION	CUT FACT	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
0010									
	STAGE 1	65+25 - 69+50	1.0	138	138	1.2	0	0	138
	STAGE 2	10+60 - 69+50	1.0	14470	14470	1.2	9	11	14459
	STAGE 3	12+25 - 65+75	1.0	8761	8761	1.2	8	10	8751
	STAGE 4	34+25 - 61+00	1.0	17	17	1.2	0	0	17
	EBS (UNDISTRIBUTED)	PROJECT	1.0	1965	1965	1.2	0	0	1965
		PROJECT TOTALS	--	25351	25351	--	17	21	25330
		PLAN QUANTITY EXCAVATION (PROJECT TOTAL LESS EBS)	--	--	23386	--	--	--	--

NOTE: REFER TO EARTHWORK DATA SHEETS WIHTIN THE PLANS FOR ADDITIONAL INFORMATION

ASPHALTIC DRIVEWAYS

CATEGORY	STATION	LOCATION	465.0120 ASPHALTIC SURFACE DRIVEWAYS TON	690.0150 SAWING ASPHALT* LF
0010	22+30	RT	0.3	12
	37+60	RT	0.2	7
	37+97	RT	0.3	9
	42+09	RT	0.9	30
	45+25	RT	0.3	10
	56+77	LT	0.8	22
	59+20	LT	0.4	12
	UNDISTRIBUTED	PROJECT	2.5	60
	PROJECT TOTALS		5.7	162.0

* QUANTITY IS INCLUDED ON SAWCUTTING SUMMARY

BASE AGGREGATE

CATEGORY	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	624.0100 WATER MGAL
0010	MAIN-LINE, E JOHNSON AGGREGATE						
	10+60	12+00	E JOHNSON, LT	--	165	165	3
			SIDEWALK/DRIVEWAY LT	4	9	--	0
			E JOHNSON, RT	--	165	165	3
			SIDEWALK/DRIVEWAY RT	11	13	--	0
	12+00	14+80	E JOHNSON, LT	--	350	350	7
			SIDEWALK/DRIVEWAY LT	11	13	--	0
			E JOHNSON RT	--	350	350	7
			SIDEWALK/DRIVEWAY RT	13	22	--	0
	14+80	17+50	E JOHNSON, LT	--	325	325	7
			SIDEWALK/DRIVEWAY LT	4	9	--	0
			E JOHNSON RT	--	340	340	7
			SIDEWALK/DRIVEWAY RT	9	13	--	0
	17+50	20+80	E JOHNSON, LT	--	405	405	8
			SIDEWALK/DRIVEWAY LT	11	10	--	0
			E JOHNSON RT	--	410	410	8
			SIDEWALK/DRIVEWAY RT	11	19	--	0
	20+80	27+40	E JOHNSON, LT	--	900	900	18
			SIDEWALK/DRIVEWAY LT	32	19	--	1
			E JOHNSON RT	--	725	725	15
			SIDEWALK/DRIVEWAY RT	26	35	--	1
	27+40	34+00	E JOHNSON, LT	--	870	870	17
			SIDEWALK/DRIVEWAY LT	32	32	--	1
			E JOHNSON RT	--	720	720	14
			SIDEWALK/DRIVEWAY RT	26	39	--	1
	34+00	40+60	E JOHNSON, LT	--	675	675	14
			SIDEWALK/DRIVEWAY LT	43	45	--	1
			E JOHNSON RT	--	860	860	17
			SIDEWALK/DRIVEWAY RT	41	39	--	1
	40+60	47+25	E JOHNSON, LT	--	890	890	18
			SIDEWALK/DRIVEWAY LT	50	35	--	1
			E JOHNSON RT	--	730	730	15
			SIDEWALK/DRIVEWAY RT	28	45	--	1
	47+25	53+85	E JOHNSON, LT	--	840	840	17
			SIDEWALK/DRIVEWAY LT	19	30	--	0
			E JOHNSON RT	--	700	700	14
			SIDEWALK/DRIVEWAY RT	30	39	--	1
	53+85	60+45	E JOHNSON, LT	--	840	840	17
			SIDEWALK/DRIVEWAY LT	22	30	--	1
			E JOHNSON RT	--	730	730	15
			SIDEWALK/DRIVEWAY RT	22	35	--	1
	60+45	67+05	E JOHNSON, LT	--	775	775	16
			SIDEWALK/DRIVEWAY LT	28	35	--	1
			E JOHNSON RT	--	710	710	14
			SIDEWALK/DRIVEWAY RT	28	28	--	1
	67+05	69+53	E JOHNSON, LT	--	245	245	5
			SIDEWALK/DRIVEWAY LT	0	9	--	0
			E JOHNSON RT	--	220	220	4
			SIDEWALK/DRIVEWAY RT	2	9	--	0
			UNDISTRIBUTED FOR DUST CONTROL	--	--	--	116
			SUBTOTALS, MAINLINE	503	14552	13940	406

BASE AGGREGATE (CONTINUED)

CATEGORY	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	624.0100 WATER MGAL
0010	SIDE STREETS, BEYOND MAIN-LINE AGGREGATE						
	10+90	12+05	BUTLER, LT	--	120	120	2
			BUTLER, RT	--	170	170	3
			HAMILTON, LT	--	140	140	3
			HAMILTON, RT	--	155	155	3
	14+63	15+04	HANCOCK, LT	--	50	50	1
			HANCOCK, RT	--	40	40	1
	17+26	17+67	FRANKLIN, LT	--	85	85	2
			FRANKLIN, RT	--	70	70	1
	20+59	21+00	BLAIR, LT	--	115	115	2
			BLAIR, RT	--	75	75	2
	27+17	27+62	BLOUNT, LT	--	80	80	2
			BLOUNT, RT	--	50	50	1
	33+77	34+24	LIVINGSTON, LT	--	80	80	2
			LIVINGSTON, RT	--	145	145	3
	40+40	40+84	PATERSON, LT	--	55	55	1
			PATERSON, RT	--	80	80	2
	47+02	47+45	BREARLY, LT	--	90	90	2
			BREARLY, RT	--	60	60	1
	53+65	54+03	INGERSOLL, LT	--	75	75	2
			INGERSOLL, RT	--	60	60	1
	53+65	54+03	FEW, LT	--	50	50	1
			FEW, RT	--	45	45	1
	64+64	69+52	GORHAM & BALDWIN, LT	--	465	465	9
	66+80	67+32	BALDWIN, RT	--	95	95	2
			UNDISTRIBUTED FOR DUST CONTROL	--	--	--	20
			SUBTOTALS, SIDE STREETS	0	2450	2450	69
			PROJECT TOTALS	503	17002	16390	475

3

CONCRETE CURB & GUTTER

CATEGORY	STATION		STATION	LOCATION	SPV.0090.01 24-INCH TYPE D SPECIAL LF	SPV.0090.02 30-INCH TYPE D SPECIAL LF	SPV.0090.03 24-INCH TYPE X SPECIAL LF	SPV.0090.04 30-INCH TYPE X SPECIAL LF	601.0600 PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER LF
0010	10+60	-	12+00	LT	--	200	--	--	--	200
	10+60	-	12+00	RT	15	145	--	45	--	205
	12+00	-	14+80	LT	0	210	0	40	--	250
	12+00	-	14+80	RT	255	25	30	0	10	320
	14+80	-	17+50	LT	0	310	0	0	--	310
	14+80	-	17+50	RT	225	35	30	0	--	290
	17+50	-	20+80	LT	0	265	0	95	10	370
	17+50	-	20+80	RT	250	25	65	0	--	340
	20+80	-	27+40	LT	0	690	0	0	--	690
	20+80	-	27+40	RT	0	660	0	0	--	660
	27+40	-	34+00	LT	0	625	0	80	--	705
	27+40	-	34+00	RT	0	610	0	75	--	685
	34+00	-	40+60	LT	0	520	0	140	--	660
	34+00	-	40+60	RT	0	585	0	90	--	675
	40+60	-	47+25	LT	0	440	0	245	--	685
	40+60	-	47+25	RT	0	555	0	110	--	665
	47+25	-	53+85	LT	0	675	0	20	15	710
	47+25	-	53+85	RT	0	680	0	0	--	680
	53+85	-	60+45	LT	0	75	0	600	--	675
	53+85	-	60+45	RT	0	630	0	40	--	670
	60+45	-	67+05	LT	605	310	0	0	--	915
	60+45	-	67+05	RT	0	205	0	465	15	685
	67+05	-	69+53	LT	440	10	0	45	--	495
	67+05	-	69+53	RT	0	90	0	20	15	125
				PROJECT TOTALS	1790	8575	125	2110	65	12665

STREETSCAPE AMENITIES

CATEGORY	STATION	STATION	LOCATION	SPV.0060.001 REMOVE BIKE RACK EACH	SPV.0060.002 PROVIDE & INSTALL BIKE RACK EACH	SPV.0060.003 PROVIDE & INSTALL TREE GRATES (4'X8') EACH	SPV.0060.009 BUS STOP BENCH EACH
0010	27+80	--	RT	1	--	--	--
	27+95	--	RT	--	1	--	--
	28+01	--	RT	--	--	1	--
	28+20	--	RT	--	1	--	--
	28+36	--	LT	--	1	--	--
	36+59	--	RT	--	1	--	--
	36+60	39+70	RT	3	--	--	--
	36+84	--	RT & LT	--	2	--	--
	37+02	--	LT	--	1	--	--
	37+21	--	LT	--	--	1	--
	37+48	--	RT	--	2	--	--
	37+78	--	RT	--	--	1	--
	39+85	--	RT	--	1	--	--
	40+07	--	RT	--	1	--	--
	41+05	--	RT	1	--	--	--
	41+07	--	RT	--	1	--	--
	41+19	--	LT	--	--	1	--
	41+28	--	LT	--	2	--	--
	41+71	--	LT	--	2	--	--
	41+75	--	LT	1	--	--	--
	42+16	--	LT	--	1	--	--
	42+75	43+50	LT	4	--	--	--
	42+78	--	LT	--	1	--	--
	43+12	--	LT	--	1	--	--
	43+40	--	LT	--	1	--	--
	43+62	--	LT	--	1	--	--
	44+40	--	LT	--	1	--	--
	55+08	--	RT	--	--	--	1
			PROJECT TOTALS	10	22	4	1

3

ASPHALT

CATEGORY	STATION	STATION	LOCATION	455.0115 ASPHALTIC MATERIAL PG64-22 TON	455.0120 ASPHALTIC MATERIAL PG64-28 TON	455.0605 TACK COAT GAL	460.1103 HMA PAVEMENT TYPE E-3 TON	460.4110 REHEATING HMA LONGITUDINAL JOINTS LF
0010	STAGE 2 - MAIN-LINE ASPHALT							
	10+60	12+00	E JOHNSON LT	4	--	--	70	175.00
	10+60	12+00	E JOHNSON RT	4	--	--	65	50.00
	12+00	14+80	E JOHNSON RT	7	--	--	105	--
	14+80	17+50	E JOHNSON RT	7	--	--	105	--
	17+50	20+80	E JOHNSON RT	8	--	--	125	--
	20+80	27+40	E JOHNSON RT	16	--	--	250	--
	27+40	34+00	E JOHNSON RT	16	--	--	250	--
	34+00	40+60	E JOHNSON RT	15	--	--	245	--
	40+60	47+25	E JOHNSON RT	16	--	--	250	--
	47+25	53+85	E JOHNSON RT	16	--	--	250	--
	53+85	60+45	E JOHNSON RT	16	--	--	250	--
	60+45	67+05	E JOHNSON LT	16	--	--	250	--
	60+45	67+05	E JOHNSON RT	16	--	--	250	50.00
	67+05	69+53	E JOHNSON LT	6	--	--	95	--
	67+05	69+53	E JOHNSON RT	6	--	--	95	250.00
			STAGE 2 - MAIN-LINE ASPHALT TOTALS	166	--	--	2655	525.00
0010	STAGE 2 - SIDE STREET ASPHALT							
	10+90	12+05	BUTLER & HAMILTON LT	6	--	--	110	80.00
	10+90	12+05	BUTLER & HAMILTON RT	8	--	--	145	60.00
	14+63	15+04	HANCOCK RT	2	--	--	40	--
	17+26	17+67	FRANKLIN RT	2	--	--	30	--
	20+59	21+00	BLAIR RT	2	--	--	32	--
	27+17	27+62	BLOUNT RT	1	--	--	21	--
	33+77	34+24	LIVINGSTON RT	3	--	--	61	--
	40+40	40+84	PATERSON RT	2	--	--	36	--
	47+02	47+45	BREARLY RT	1	--	--	22	--
	53+65	54+03	INGERSOLL RT	1	--	--	21	--
	53+65	54+03	FEW RT	1	--	--	17	--
	64+64	69+52	GORHAM & BALDWIN LT	12	--	--	220	--
	66+80	67+32	BALDWIN RT	2	--	--	40	--
			STAGE 2 - SIDE STREET ASPHALT TOTALS	44	--	--	795	140.00
0010	STAGE 3 - MAIN-LINE ASPHALT							
	12+00	14+80	E JOHNSON ST	10	--	--	175	305.00
	14+80	17+50	E JOHNSON ST	9	--	--	160	270.00
	17+50	20+80	E JOHNSON ST	11	--	--	200	330.00
	20+80	27+40	E JOHNSON ST	22	--	--	395	660.00
	27+40	34+00	E JOHNSON ST	21	--	--	385	660.00
	34+00	40+60	E JOHNSON ST	21	--	--	380	660.00
	40+60	47+25	E JOHNSON ST	21	--	--	390	665.00
	47+25	53+85	E JOHNSON ST	20	--	--	370	660.00
	53+85	60+45	E JOHNSON ST	20	--	--	370	660.00
	60+45	67+05	E JOHNSON ST	17	--	--	300	650.00
			STAGE 3 - MAIN-LINE ASPHALT TOTALS	172	--	--	3125	5520.00
0010	STAGE 3 - SIDE STREET ASPHALT							
	14+63	15+04	HANCOCK LT	2	--	--	35	--
	17+26	17+67	FRANKLIN LT	2	--	--	36	--
	20+59	21+00	BLAIR LT	3	--	--	50	--
	27+17	27+62	BLOUNT LT	2	--	--	31	--
	33+77	34+24	LIVINGSTON LT	2	--	--	35	--
	40+40	40+84	PATERSON LT	1	--	--	25	--
	47+02	47+45	BREARLY LT	2	--	--	38	--
	53+65	54+03	INGERSOLL LT	2	--	--	32	--
	53+65	54+03	FEW LT	1	--	--	20	--
			STAGE 3 - SIDE STREET ASPHALT TOTALS	17	--	--	302	--

ASPHALT (CONTINUED)

CATEGORY	STATION	STATION	LOCATION	455.0115 ASPHALTIC MATERIAL PG64-22 TON	455.0120 ASPHALTIC MATERIAL PG64-28 TON	455.0605 TACK COAT GAL	460.1103 HMA PAVEMENT TYPE E-3 TON	460.4110 REHEATING HMA LONGITUDINAL JOINTS LF
0010	STAGE 5 - MAIN-LINE ASPHALT. LEFT SIDE							
	10+60	12+00	E JOHNSON LT	--	2	7	35	140.00
	12+00	14+80	E JOHNSON LT	--	4	16	75	280.00
	14+80	17+50	E JOHNSON LT	--	4	14	68	270.00
	17+50	20+80	E JOHNSON LT	--	5	18	85	330.00
	20+80	27+40	E JOHNSON LT	--	11	41	195	660.00
	27+40	34+00	E JOHNSON LT	--	10	40	190	660.00
	34+00	40+60	E JOHNSON LT	--	10	39	185	660.00
	40+60	47+25	E JOHNSON LT	--	10	40	190	665.00
	47+25	53+85	E JOHNSON LT	--	10	38	180	660.00
	53+85	60+45	E JOHNSON LT	--	10	38	180	660.00
	60+45	67+05	E JOHNSON LT	--	9	34	162	660.00
	67+05	69+53	E JOHNSON LT	--	3	10	50	250.00
			STAGE 5 - MAIN-LINE E JOHNSON LEFT ASPHALT TOTALS	--	88	332	1595	5895.00
0010	STAGE 5 - MAIN-LINE ASPHALT, RIGHT SIDE							
	10+60	12+00	E JOHNSON RT	--	2	7	35	--
	12+00	14+80	E JOHNSON RT	--	4	16	75	--
	14+80	17+50	E JOHNSON RT	--	4	15	72	--
	17+50	20+80	E JOHNSON RT	--	5	19	90	--
	20+80	27+40	E JOHNSON RT	--	8	31	150	--
	27+40	34+00	E JOHNSON RT	--	8	31	150	--
	34+00	40+60	E JOHNSON RT	--	8	29	140	--
	40+60	47+25	E JOHNSON RT	--	9	32	155	--
	47+25	53+85	E JOHNSON RT	--	8	30	145	--
	53+85	60+45	E JOHNSON RT	--	9	32	155	--
	60+45	67+05	E JOHNSON RT	--	8	31	150	--
	67+05	69+53	E JOHNSON RT	--	3	10	50	--
			STAGE 5 - MAIN-LINE E JOHNSON LEFT ASPHALT TOTALS	--	75	285	1367	--
0010	STAGE 5 - SIDE STREET ASPHALT							
	10+90	12+05	BUTLER & HAMILTON LT	--	3	12	58	--
	10+90	12+05	BUTLER & HAMILTON RT	--	4	16	78	--
	14+63	15+04	HANCOCK LT	--	1	4	18	--
	14+63	15+04	HANCOCK RT	--	1	4	21	--
	17+26	17+67	FRANKLIN LT	--	1	4	20	--
	17+26	17+67	FRANKLIN RT	--	1	3	16	--
	20+59	21+00	BLAIR LT	--	1	5	26	--
	20+59	21+00	BLAIR RT	--	1	4	17	--
	27+17	27+62	BLOUNT LT	--	1	4	17	--
	27+17	27+62	BLOUNT RT	--	1	3	12	--
	33+77	34+24	LIVINGSTON LT	--	1	4	18	--
	33+77	34+24	LIVINGSTON RT	--	2	7	33	--
	40+40	40+84	PATERSON LT	--	1	3	13	--
	40+40	40+84	PATERSON RT	--	1	4	20	--
	47+02	47+45	BREARLY LT	--	1	4	20	--
	47+02	47+45	BREARLY RT	--	1	3	12	--
	53+65	54+03	INGERSOLL LT	--	1	4	17	--
	53+65	54+03	INGERSOLL RT	--	1	2	11	--
	53+65	54+03	FEW LT	--	1	2	11	--
	53+65	54+03	FEW RT	--	1	2	10	--
	64+64	69+52	GORHAM & BALDWIN LT	--	6	21	100	--
	66+80	67+32	BALDWIN RT	--	1	5	22	--
			STAGE 5 - SIDE STREET ASPHALT TOTALS	--	31	119	570	--
			PROJECT TOTALS	398	194	736	10409	12080

TEMPORARY PEDESTRIAN ACCESS ITEMS

CATEGORY	LOCATION (INTERSECTION)	SPV.0045.01 TEMPORARY CROSSWALK ACCESS DAY	SPV.0045.02 TEMPORARY BICYCLE ACCESS DAY	SPV.0060.008 TEMPORARY BUS STOP PAD EACH
0010	STAGE 2			
	BUTLER & HAMILTON	273	--	--
	HANCOCK	154	--	--
	FRANKLIN	98	--	--
	BLAIR	98	--	--
	BLOUNT	98	--	--
	LIVINGSTON	168	--	--
	PATERSON	84	--	--
	BREARLY	168	84	--
	INGERSOLL	168	--	--
	FEW	168	--	--
	BALDWIN	112	--	--
	STAGE 2 - SUBTOTALS	1589	84	0
0010	STAGE 3			
	BUTLER & HAMILTON	84	--	--
	HANCOCK	168	--	--
	FRANKLIN	168	--	--
	BLAIR	168	--	--
	BLOUNT	168	--	--
	LIVINGSTON	168	--	--
	PATERSON	168	--	--
	BREARLY	168	84	--
	INGERSOLL	168	--	--
	FEW	168	--	--
	STAGE 3 - SUBTOTALS	1596	84	0
0010	STAGE 4			
	HANCOCK	14	--	--
	LIVINGSTON	14	--	--
	STAGE 4 - SUBTOTALS	28	0	0
0010	PROJECT			
	UNDISTRIBUTED	--	--	3
	PROJECT TOTALS	3213	168	3

TEMPORARY PAVEMENT MARKINGS

STAGE	STATION	TO	STATION	LOCATION	646.0600 REMOVE PAVEMENT MARKINGS (LF)	649.0100 TEMPORARY PAVEMENT MARKING 4-IN WHITE (LF)	649.0100 TEMPORARY PAVEMENT MARKING 4-IN YELLOW (LF)	649.0400 TEMPORARY PAVEMENT TAPE 4-IN WHITE (LF)	649.0400 TEMPORARY PAVEMENT TAPE 4-IN YELLOW (LF)	649.1000 TEMPORARY PAVEMENT TAPE 12-IN STOP LINE (LF)
STAGE 1	10+00	-	70+90	EAST JOHNSON STREET	3115	-	-	-	-	-
STAGE 2A	10+00	-	70+90	EAST JOHNSON STREET	-	1494	915	325	846	12
STAGE 2B	10+00	-	70+90	EAST JOHNSON STREET	-	-	130	197	240	25
STAGE 2C	10+00	-	70+90	EAST JOHNSON STREET	-	602	501	780	-	22
STAGE 2D	10+00	-	70+90	EAST JOHNSON STREET	-	148	-	246	190	20
STAGE 3	10+00	-	70+90	EAST JOHNSON STREET	-	-	4855	933	541	133
STAGE 4	10+00	-	70+90	EAST JOHNSON STREET	-	-	-	-	541	-
				TOTALS	3115	2244	6401	2481	2358	212
				COMBINED TOTALS FOR SINGLE ITEM		8645		4839		

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(SPV.0060.019) CATCH BASIN SPECIAL EACH	(611.2033) MANHOLES 3X3 EACH	(611.2044) MANHOLES 4X4 EACH	(611.2055) MANHOLES 5X5 EACH	(611.2066) MANHOLES 6X6 EACH	(611.3230) INLETS 2X3 EACH	(SPV.0060.014) INLET 2X3 SPECIAL EACH	(SPV.0060.018) TERRACE INLET TYPE 3 SPECIAL EACH	(SPV.0060.102) MANHOLE 3X3-FT SADDLED SPECIAL EACH	(611.0410) RECONSTRUCTING CATCH BASIN EACH	(SPV.0060.020) MANHOLE COVER TYPE J SPECIAL EACH	(SPV.0060.015) INLET COVERS TYPE H SPECIAL EACH	(SPV.0060.016) INLET COVERS TYPE H-S SPECIAL EACH	(SPV.0060.017) INLET COVERS TERRACE TYPE 3 SPECIAL EACH	(611.8110) ADJUSTING MANHOLE COVERS EACH	(611.8115) ADJUSTING INLET COVERS EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF CASTING ELEVATION
0020	1.0	11+79.40	58.50' LT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	860.25
	1.1	11+66.80	70.60' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	860.38
	1.2	11+37.70	70.85' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	861.18
	1.3	11+29.00	70.70' LT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	861.70
	2.0	11+06.30	17.30' LT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	861.52
	2.1	11+33.40	20.70' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	860.90
	3.0	11+05.45	18.75' RT	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	861.20
	3.1	10+81.00	40.00' RT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	861.98
	3.2	10+76.30	17.25' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	861.73
	4.0	12+38.03	57.77' LT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	859.35
	4.1	11+60.53	21.27' RT	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	860.31
	4.2	11+10.30	71.90' RT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	861.80
	4.3	11+37.90	110.20' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	860.90
	4.4	11+96.70	21.00' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	860.12
	5.0	11+61.33	43.79' RT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	860.24
	5.1	11+69.12	43.75' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	860.38
	6.0	14+87.40	46.00' LT	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	855.86
	6.1	15+00.75	23.00' LT	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	856.00
	6.2	15+06.00	13.50' RT	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	855.43
	6.3	15+00.25	42.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.38
	6.4	14+68.50	47.00' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.87
	6.5	14+46.50	21.00' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	856.29
	6.6	14+65.70	42.40' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.31
	6.7	14+05.62	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	856.49
	6.8	13+31.20	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	857.80
	6.9	15+60.00	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.82
	6.10	15+60.00	13.50' RT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	855.10
	6.11	15+60.00	21.00' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.37
	6.12	16+65.00	13.50' RT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	855.16
	6.13	16+65.00	21.00' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.37
	6.14	17+07.50	21.50' LT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	856.35
	6.15	16+65.00	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.99
	6.16	17+29.80	39.00' LT	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	855.54
	6.17	17+64.17	39.10' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.50
	7.0	21+05.40	11.00' RT	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	852.65
	7.1	20+97.00	37.51' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	852.43
	7.2	20+61.90	39.10' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	852.14
	7.3	20+13.00	13.00' RT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	852.96
	7.4	20+13.00	21.00' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	853.24
	7.5	20+13.00	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	853.71
	7.6	20+94.50	39.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	853.85
	7.7	20+65.15	38.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	854.28
	8.0	21+52.00	21.58' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	852.63
	8.1	21+52.00	27.58' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	853.23
	8.2	21+95.45	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	853.48
	9.0	23+22.00	11.15' RT	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	852.99
	9.1	23+22.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	853.75
	9.2	22+91.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	853.89
	9.3	23+22.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	853.15
	10.0	25+00.00	11.33' RT	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	853.83
	10.1	25+00.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	854.29
	10.2	25+00.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	853.69
	11.0	26+40.00	11.50' RT	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	853.82
	11.1	26+40.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	854.59
	11.2	26+40.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	853.99
	12.0	27+21.75	12.00' RT	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	854.14
	12.1	27+21.50	33.75' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	853.81
	12.2	27+26.70	39.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	855.64
	12.3	27+26.70	49.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	855.89
	12.4	27+53.80	39.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	855.63

CONTINUED ON NEXT PAGE

STORM SEWER STRUCTURES (CONT'D)

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(SPV.0060.019) CATCH BASIN SPECIAL EACH	(611.2033) MANHOLES 3X3 EACH	(611.2044) MANHOLES 4X4 EACH	(611.2055) MANHOLES 5X5 EACH	(611.2066) MANHOLES 6X6 EACH	(611.3230) INLETS 2X3 EACH	(SPV.0060.014) INLET 2X3 SPECIAL EACH	(SPV.0060.018) TERRACE INLET TYPE 3 SPECIAL EACH	(SPV.0060.102) MANHOLE 3X3-FT SADDLED SPECIAL EACH	(611.0410) RECONSTRUCTING CATCH BASIN EACH	(SPV.0060.020) MANHOLE COVER TYPE J SPECIAL EACH	(SPV.0060.015) INLET COVERS TYPE H SPECIAL EACH	(SPV.0060.016) INLET COVERS TYPE H-S SPECIAL EACH	(SPV.0060.017) INLET COVERS TERRACE TYPE 3 SPECIAL EACH	(611.8110) ADJUSTING MANHOLE COVERS EACH	(611.8115) ADJUSTING INLET COVERS EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF CASTING ELEVATION
0020	12.5	27+53.50	50.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	856.00
	13.0	30+10.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	852.86
	13.1	30+10.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	853.46
	14.0	33+28.00	27.58' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	850.38
	15.0	33+28.00	21.58' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	850.33
	17.0	35+00.00	17.50' RT	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	849.77
	17.1	35+00.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	849.82
	18.0	36+50.00	17.50' RT	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	849.73
	18.1	36+50.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	849.78
	19.0	37+40.00	13.00' RT	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	849.96
	19.1	37+40.00	18.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	849.95
	20.0	38+24.00	17.50' RT	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	849.95
	20.1	38+24.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	850.00
	21.0	39+66.00	17.50' RT	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	850.50
	21.1	39+66.00	24.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	850.55
	22.0	40+41.00	37.00' RT	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	850.63
	22.1	40+79.30	36.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	850.56
	22.2	41+00.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	851.16
	22.3	40+43.00	16.00' LT	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	850.70
	22.4	40+21.93	18.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	850.95
	23.0	41+01.70	19.00' LT	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	851.25
	23.1	41+53.20	24.00' LT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	851.64
	24.0	41+98.50	24.00' LT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	852.44
	25.0	42+49.50	24.50' LT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	853.65
	25.1	42+79.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	854.49
	26.0	43+21.50	24.50' LT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	855.40
	27.0	43+97.00	24.50' LT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	857.10
	28.0	44+49.00	24.50' LT	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	858.28
	29.0	46+40.00	24.50' LT	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	859.96*
	29.1	49+40.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	858.36
	29.4	46+81.00	18.50' LT	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	859.90*
	30.0	46+99.25	26.00' LT	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	860.30
	30.1	47+06.00	42.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	861.52
	30.2	47+40.90	45.20' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	861.62
	30.3	48+00.00	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	859.42
	30.4	48+00.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	858.13
	31.0	53+79.50	18.50' RT	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	855.48
	31.1	53+25.00	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.74
	31.2	53+25.00	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	856.97
	31.3	51+71.50	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	856.70
	31.4	51+71.50	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	857.93
	31.5	53+70.50	38.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	857.48
	31.6	53+99.00	38.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	857.51
	31.7	54+59.15	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	855.52
	31.8	54+60.00	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	857.00*
	31.9	54+69.15	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.57
	31.10	55+61.50	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	856.16
	31.11	55+61.50	22.50' LT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	857.88*
	32.1	65+39.50	18.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	854.99*
	32.2	65+91.50	19.50' RT	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	855.32*
	33.0	67+30.45	40.50' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	856.88
	33.1	66+82.70	41.50' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	856.88
	34.0	69+33.00	23.25' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	853.55
	34.1	69+33.00	32.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	853.12
	EX.1	11+35.20	16.00' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	860.64
	EX.2	11+37.30	100.25' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	860.73
	EX.2.1	11+61.00	63.50' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	860.41
	EX.2.2	11+61.00	83.50' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	860.21
	EX.2.3	11+61.00	99.50' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	860.25
	EX.3	33+80.75	17.50' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	850.15

* INLET TOP OF CURB ELEVATION TO TOP OF "X" TYPE CURB

CONTINUED ON NEXT PAGE

STORM SEWER STRUCTURES (CONT'D)

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(SPV.0060.019) CATCH BASIN SPECIAL EACH	(611.2033) MANHOLES 3X3 EACH	(611.2044) MANHOLES 4X4 EACH	(611.2055) MANHOLES 5X5 EACH	(611.2066) MANHOLES 6X6 EACH	(611.3230) INLETS 2X3 EACH	(SPV.0060.014) INLET 2X3 SPECIAL EACH	(SPV.0060.018) TERRACE INLET TYPE 3 SPECIAL EACH	(SPV.0060.102) MANHOLE 3X3-FT SADDLED SPECIAL EACH	(611.0410) RECONSTRUCTING CATCH BASIN EACH	(SPV.0060.020) MANHOLE COVER TYPE J SPECIAL EACH	(SPV.0060.015) INLET COVERS TYPE H SPECIAL EACH	(SPV.0060.016) INLET COVERS TYPE H-S SPECIAL EACH	(SPV.0060.017) INLET COVERS TERRACE TYPE 3 SPECIAL EACH	(611.8110) ADJUSTING MANHOLE COVERS EACH	(611.8115) ADJUSTING INLET COVERS EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF CASTING ELEVATION
0020	EX.4	33+87.00	44.85' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	850.47
	EX.4.1	33+79.50	34.75' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	850.08
	EX.4.2	34+19.00	35.00' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	849.90
	EX.5	34+02.00	12.50' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	850.08
	EX.6	34+13.00	38.00' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	850.14
	EX.7	53+65.00	37.00' RT	-	-	-	-	-	-	-	-	-	1	2	-	-	-	1	-	-	855.22
	EX.8	64+43.00	18.50' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	854.84
	EX.9	64+67.00	17.50' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	853.46
	EX.10	64+67.00	18.50' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	854.61*
	EX.11	65+60.00	26.50' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	853.62
	EX.12	67+42.00	19.25' LT	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	854.15
	EX.13	68+49.50	24.50' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	853.06
PROJECT TOTALS				**3**	**19**	**11**	**3**	**1**	**67**	**1**	**6**	**3**	**3**	**26**	**45**	**44**	**6**	**10**	**8**	**113**	

* INLET TOP OF CURB ELEVATION TO TOP OF "X" TYPE CURB

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

CATEGORY	STATION	TO STATION	LOCATION	(205.0501.S) TON
0010	26+35	27+40	E. JOHNSON STREET R/L	1,960
	32+82	34+27	E. JOHNSON STREET R/L	1,670
	39+80	40+75	E. JOHNSON STREET R/L	1,470
		UNDISTRIBUTED	E. JOHNSON STREET R/L	500
		PROJECT TOTAL		5,600

HAZARDOUS MATERIALS

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0090.07) REMOVE ABANDONED STEAM TUNNEL SPECIAL LF
0020	10+71	14+62	E. JOHNSON STREET R/L	415
		PROJECT TOTAL		415

MOBILIZATIONS

CATEGORY	(628.1905) EROSION CONTROL EACH	(628.1910) EMERGENCY EROSION CONTROL EACH
0020	18	10
PROJECT TOTALS	**18**	**10**

TRACKING PADS

CATEGORY	LOCATION	(628.7560) EACH
0020	BEGIN PROJECT	4
	END PROJECT	4
	UNDISTRIBUTED	6
	PROJECT TOTAL	**14**

SAND THERMAL BACKFILL

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0090.35) LF
0020	15+06	16+65	E. JOHNSON STREET R/L	160
	20+13	27+22	E. JOHNSON STREET R/L	710
		UNDISTRIBUTED	E. JOHNSON STREET R/L	50
		PROJECT TOTAL		920

STORM SEWER PIPE

CATEGORY	STRUCTURE I.D. FROM	STRUCTURE I.D. TO	(608.0312) CLASS III SS RCP 12-INCH LF	(608.0315) CLASS III SS RCP 15-INCH LF	(608.0318) CLASS III SS RCP 18-INCH LF	(608.0321) CLASS III SS RCP 21-INCH LF	(608.0336) CLASS III SS RCP 36-INCH LF	(608.0348) CLASS III SS RCP 48-INCH LF	(610.0114) CLASS HE-III SS HERCP 14X23-INCH LF	(610.0119) CLASS HE-III SS HERCP 19X30-INCH LF	(SPV.0090.08) STORM SEWER PIPE PVC 8-INCH LF	(SPV.0090.09) STORM SEWER PIPE PVC 12-INCH LF
0020	1.0	1.1	17	-	-	-	-	-	-	-	-	-
	1.1	1.2	29	-	-	-	-	-	-	-	-	-
	1.2	1.3	-	-	-	-	-	-	-	-	-	9
	EX.1	2.1	5	-	-	-	-	-	-	-	-	-
	EX.1	3.0	-	-	46	-	-	-	-	-	-	-
	3.0	3.1	-	-	32	-	-	-	-	-	-	-
	3.0	3.2	29	-	-	-	-	-	-	-	-	-
	4.0	4.1	-	-	111	-	-	-	-	-	-	-
	4.1	4.2	-	-	71	-	-	-	-	-	-	-
	EX.2	4.3	10	-	-	-	-	-	-	-	-	-
	4.1	4.4	36	-	-	-	-	-	-	-	-	-
	5.0	5.1	8	-	-	-	-	-	-	-	-	-
	COLLAR	6.0	-	-	-	-	-	-	11	-	-	-
	6.0	6.1	-	-	-	-	-	-	27	-	-	-
	6.1	6.2	-	-	-	-	-	-	37	-	-	-
	6.2	6.3	-	30	-	-	-	-	-	-	-	-
	6.3	6.4	32	-	-	-	-	-	-	-	-	-
	6.4	6.5	34	-	-	-	-	-	-	-	-	-
	6.0	6.6	22	-	-	-	-	-	-	-	-	-
	6.1	6.7	-	95	-	-	-	-	-	-	-	-
	6.7	6.8	74	-	-	-	-	-	-	-	-	-
	6.1	6.9	59	-	-	-	-	-	-	-	-	-
	6.2	6.10	-	-	-	-	-	-	54	-	-	-
	6.10	6.11	8	-	-	-	-	-	-	-	-	-
	6.10	6.12	-	-	-	-	-	-	105	-	-	-
	6.12	6.13	8	-	-	-	-	-	-	-	-	-
	6.15	6.14	-	43	-	-	-	-	-	-	-	-
	6.12	6.15	-	36	-	-	-	-	-	-	-	-
	6.14	6.16	28	-	-	-	-	-	-	-	-	-
	6.16	6.17	34	-	-	-	-	-	-	-	-	-
	12.0	7.0	-	-	-	-	617	-	-	-	-	-
	7.0	7.1	-	28	-	-	-	-	-	-	-	-
	7.1	7.2	35	-	-	-	-	-	-	-	-	-
	7.0	7.3	-	-	92	-	-	-	-	-	-	-
	7.4	STUB	-	-	-	-	-	-	-	-	11	-
	7.4	STUB	-	-	-	-	-	-	-	-	11	-
	7.3	7.4	8	-	-	-	-	-	-	-	-	-
	7.3	7.5	36	-	-	-	-	-	-	-	-	-
	7.0	7.6	-	51	-	-	-	-	-	-	-	-
	7.6	7.7	29	-	-	-	-	-	-	-	-	-
	TAP	8.0	-	9	-	-	-	-	-	-	-	-
	TAP	8.1	-	37	-	-	-	-	-	-	-	-
	8.1	8.2	44	-	-	-	-	-	-	-	-	-
	9.0	9.3	6	-	-	-	-	-	-	-	-	-
	9.0	9.1	-	34	-	-	-	-	-	-	-	-
	9.1	9.2	31	-	-	-	-	-	-	-	-	-
	10.0	10.2	6	-	-	-	-	-	-	-	-	-
	10.0	10.1	34	-	-	-	-	-	-	-	-	-
	11.0	11.2	6	-	-	-	-	-	-	-	-	-
	11.0	11.1	34	-	-	-	-	-	-	-	-	-
	EX.5	12.0	-	-	-	-	-	680	-	-	-	-
	12.0	12.1	-	-	21	-	-	-	-	-	-	-
	12.0	12.2	-	-	52	-	-	-	-	-	-	-
	12.2	12.3	10	-	-	-	-	-	-	-	-	-
	12.2	12.4	-	27	-	-	-	-	-	-	-	-

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STORM SEWER PIPE (CONT'D)

CATEGORY	STRUCTURE I.D. FROM	STRUCTURE I.D. TO	(608.0312) CLASS III SS RCP 12-INCH LF	(608.0315) CLASS III SS RCP 15-INCH LF	(608.0318) CLASS III SS RCP 18-INCH LF	(608.0321) CLASS III SS RCP 21-INCH LF	(608.0336) CLASS III SS RCP 36-INCH LF	(608.0348) CLASS III SS RCP 48-INCH LF	(610.0114) CLASS HE-III SS HERCP 14X23-INCH LF	(610.0119) CLASS HE-III SS HERCP 19X30-INCH LF	(SPV.0090.08) STORM SEWER PIPE PVC 8-INCH LF	(SPV.0090.09) STORM SEWER PIPE PVC 12-INCH LF
0020	12.4	12.5	-	11	-	-	-	-	-	-	-	-
	TAP	13.0	4	-	-	-	-	-	-	-	-	-
	TAP	13.1	35	-	-	-	-	-	-	-	-	-
	TAP	14.0	-	38	-	-	-	-	-	-	-	-
	TAP	15.0	-	7	-	-	-	-	-	-	-	-
	TAP	EX.3	-	-	26	-	-	-	-	-	-	-
	EX. 3	17.0	-	-	-	-	98	-	-	-	-	-
	17.0	17.1	42	-	-	-	-	-	-	-	-	-
	17.0	18.0	-	-	-	-	150	-	-	-	-	-
	18.0	18.1	41	-	-	-	-	-	-	-	-	-
	18.0	19.0	-	-	-	-	90	-	-	-	-	-
	19.0	19.1	32	-	-	-	-	-	-	-	-	-
	19.0	20.0	-	-	-	-	84	-	-	-	-	-
	20.0	20.1	42	-	-	-	-	-	-	-	-	-
	20.0	21.0	-	-	-	-	142	-	-	-	-	-
	21.0	21.1	42	-	-	-	-	-	-	-	-	-
	22.0	22.1	38	-	-	-	-	-	-	-	-	-
	22.1	22.2	27	-	-	-	-	-	-	-	-	-
	21.0	22.3	-	-	-	-	84	-	-	-	-	-
	22.0	22.3	-	-	53	-	-	-	-	-	-	-
	22.3	COLLAR	-	9	-	-	-	-	-	-	-	-
	22.3	22.4	21	-	-	-	-	-	-	-	-	-
	22.3	23.0	-	-	-	-	-	-	-	59	-	-
	23.0	23.1	-	-	-	47	-	-	-	-	-	-
	23.1	24.0	-	-	-	50	-	-	-	-	-	-
	24.0	25.0	-	-	-	51	-	-	-	-	-	-
	25.0	25.1	52	-	-	-	-	-	-	-	-	-
	25.0	26.0	-	-	-	72	-	-	-	-	-	-
	26.0	27.0	-	-	-	76	-	-	-	-	-	-
	27.0	28.0	-	-	-	51	-	-	-	-	-	-
	28.0	29.0	-	-	-	191	-	-	-	-	-	-
	29.0	29.1	43	-	-	-	-	-	-	-	-	-
	29.0	29.4	-	-	-	42	-	-	-	-	-	-
	29.4	30.0	-	-	-	19	-	-	-	-	-	-
	30.0	30.1	-	17	-	-	-	-	-	-	-	-
	30.1	30.2	35	-	-	-	-	-	-	-	-	-
	30.0	30.3	-	101	-	-	-	-	-	-	-	-
	30.3	30.4	41	-	-	-	-	-	-	-	-	-
	EX.7	31.0	-	23	-	-	-	-	-	-	-	-
	31.0	31.1	-	54	-	-	-	-	-	-	-	-
	31.1	31.2	-	41	-	-	-	-	-	-	-	-
	31.1	31.3	-	153	-	-	-	-	-	-	-	-
	31.3	31.4	41	-	-	-	-	-	-	-	-	-
	31.2	31.5	48	-	-	-	-	-	-	-	-	-
	31.5	31.6	29	-	-	-	-	-	-	-	-	-
	31.0	31.7	-	80	-	-	-	-	-	-	-	-
	31.7	31.8	41	-	-	-	-	-	-	-	-	-
	31.7	31.9	-	10	-	-	-	-	-	-	-	-
	31.9	31.10	-	92	-	-	-	-	-	-	-	-
	31.10	31.11	41	-	-	-	-	-	-	-	-	-
	EX.11	32.1	48	-	-	-	-	-	-	-	-	-
	32.1	32.2	52	-	-	-	-	-	-	-	-	-
	EX.12	33.0	-	61	-	-	-	-	-	-	-	-
	33.0	33.1	-	48	-	-	-	-	-	-	-	-
	34.0	34.1	9	-	-	-	-	-	-	-	-	-
PROJECT TOTALS			**1,516**	**1,135**	**504**	**599**	**1,265**	**680**	**234**	**59**	**22**	**9**

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	OFFSET	(204.0210) REMOVING MANHOLES EACH	(204.0215) REMOVING CATCHBASIN EACH	(204.0220) REMOVING INLETS EACH
0020	10+80	E. JOHNSON STREET	17' RT	-	-	1
	10+81	E. JOHNSON STREET	40' RT	-	-	1
	11+08	E. JOHNSON STREET	16' RT	1	-	-
	11+12	E. JOHNSON STREET	70' RT	-	-	1
	11+27	E. JOHNSON STREET	21' LT	-	-	1
	11+32	E. JOHNSON STREET	24' LT	-	-	1
	11+33	E. JOHNSON STREET	66' RT	-	-	1
	11+60	E. JOHNSON STREET	22' RT	-	1	-
	11+79	E. JOHNSON STREET	23' RT	-	-	1
	11+80	E. JOHNSON STREET	58' LT	-	-	1
	12+04	E. JOHNSON STREET	20' RT	-	-	1
	13+31	E. JOHNSON STREET	25' LT	-	-	1
	14+60	E. JOHNSON STREET	23' RT	-	-	1
	14+65	E. JOHNSON STREET	38' LT	-	-	1
	14+65	E. JOHNSON STREET	39' RT	-	-	1
	14+74	E. JOHNSON STREET	25' RT	1	-	-
	14+87	E. JOHNSON STREET	50' LT	1	-	-
	15+00	E. JOHNSON STREET	42' RT	-	-	1
	15+02	E. JOHNSON STREET	29' LT	1	-	-
	15+05	E. JOHNSON STREET	25' LT	-	-	1
	15+06	E. JOHNSON STREET	22' RT	-	-	1
	15+07	E. JOHNSON STREET	15' RT	-	1	-
	15+70	E. JOHNSON STREET	21' RT	-	-	1
	16+21	E. JOHNSON STREET	23' LT	-	-	1
	16+22	E. JOHNSON STREET	21' RT	-	-	1
	16+69	E. JOHNSON STREET	16' RT	1	-	-
	16+70	E. JOHNSON STREET	21' RT	-	-	1
	17+23	E. JOHNSON STREET	38' LT	-	1	-
	17+29	E. JOHNSON STREET	35' LT	-	-	1
	17+64	E. JOHNSON STREET	39' LT	-	-	1
	20+55	E. JOHNSON STREET	26' LT	-	-	1
	20+62	E. JOHNSON STREET	39' RT	-	-	1
	20+97	E. JOHNSON STREET	39' RT	-	-	1
	21+02	E. JOHNSON STREET	37' RT	-	1	-
	21+02	E. JOHNSON STREET	25' LT	-	-	1
	21+05	E. JOHNSON STREET	23' RT	1	-	-
	21+39	E. JOHNSON STREET	19' RT	-	-	1
	21+87	E. JOHNSON STREET	19' RT	-	-	1
	21+96	E. JOHNSON STREET	25' LT	-	-	1
	22+37	E. JOHNSON STREET	19' RT	-	-	1
	22+86	E. JOHNSON STREET	19' RT	-	-	1
	22+91	E. JOHNSON STREET	25' LT	-	-	1
	23+36	E. JOHNSON STREET	19' RT	-	-	1
	23+88	E. JOHNSON STREET	19' RT	-	-	1
	24+40	E. JOHNSON STREET	19' RT	-	-	1

CONTINUED ON NEXT COLUMN

REMOVING STORM SEWER STRUCTURES (CONT'D)

CATEGORY	STATION	LOCATION	OFFSET	(204.0210) REMOVING MANHOLES EACH	(204.0215) REMOVING CATCHBASIN EACH	(204.0220) REMOVING INLETS EACH
0020	24+89	E. JOHNSON STREET	19' RT	-	-	1
	24+91	E. JOHNSON STREET	25' LT	-	-	1
	25+38	E. JOHNSON STREET	19' RT	-	-	1
	25+41	E. JOHNSON STREET	25' LT	-	-	1
	25+97	E. JOHNSON STREET	19' RT	-	-	1
	25+97	E. JOHNSON STREET	25' LT	-	-	1
	26+34	E. JOHNSON STREET	23' RT	1	-	-
	26+41	E. JOHNSON STREET	25' LT	-	-	1
	26+42	E. JOHNSON STREET	19' RT	-	-	1
	26+98	E. JOHNSON STREET	19' RT	-	-	1
	27+12	E. JOHNSON STREET	27' LT	-	-	1
	27+16	E. JOHNSON STREET	34' RT	1	-	-
	27+21	E. JOHNSON STREET	34' RT	-	-	1
	27+62	E. JOHNSON STREET	28' LT	-	-	1
	33+59	E. JOHNSON STREET	25' LT	-	-	1
	34+28	E. JOHNSON STREET	23' RT	1	-	-
	34+40	E. JOHNSON STREET	26' LT	-	-	1
	34+92	E. JOHNSON STREET	19' RT	-	-	1
	35+47	E. JOHNSON STREET	26' LT	-	-	1
	35+48	E. JOHNSON STREET	19' RT	-	-	1
	35+88	E. JOHNSON STREET	25' RT	1	-	-
	35+90	E. JOHNSON STREET	19' RT	-	-	1
	35+91	E. JOHNSON STREET	26' LT	-	-	1
	36+41	E. JOHNSON STREET	26' LT	-	-	1
	36+51	E. JOHNSON STREET	19' RT	-	-	1
	36+96	E. JOHNSON STREET	19' RT	-	-	1
	36+97	E. JOHNSON STREET	26' LT	-	-	1
	37+47	E. JOHNSON STREET	26' LT	-	-	1
	37+71	E. JOHNSON STREET	19' RT	-	-	1
	37+71	E. JOHNSON STREET	26' RT	1	-	-
	37+96	E. JOHNSON STREET	25' LT	-	-	1
	38+47	E. JOHNSON STREET	26' LT	-	-	1
	38+92	E. JOHNSON STREET	19' RT	-	-	1
	39+45	E. JOHNSON STREET	19' RT	-	-	1
	39+45	E. JOHNSON STREET	25' RT	1	-	-
	40+40	E. JOHNSON STREET	22' RT	-	-	1
	40+40	E. JOHNSON STREET	37' RT	-	1	-
	40+43	E. JOHNSON STREET	21' LT	1	-	-
	40+80	E. JOHNSON STREET	33' RT	-	-	1
	40+86	E. JOHNSON STREET	24' RT	-	-	1
	41+02	E. JOHNSON STREET	25' LT	-	-	1
	53+51	E. JOHNSON STREET	23' LT	-	-	1
	53+62	E. JOHNSON STREET	27' LT	-	-	1
	54+11	E. JOHNSON STREET	25' LT	-	-	1
	54+19	E. JOHNSON STREET	23' LT	-	-	1
	66+82	E. JOHNSON STREET	40' RT	-	-	1
	67+31	E. JOHNSON STREET	40' RT	-	-	1
	69+11	E. JOHNSON STREET	11' LT	-	-	1
	PROJECT TOTALS			**13**	**5**	**75**

3

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	(204.0245.01) SIZE 01. 12-INCH OR LESS LF	(204.0245.02) SIZE 02. 15 TO 18 INCH LF	(204.0291.S) ABANDONING SEWER CY
0020	10+81	-	11+07	E. JOHNSON STREET	25	-	-
	10+82	-	11+08	E. JOHNSON STREET	-	34	-
	10+86	-	11+07	E. JOHNSON STREET	21	-	-
	11+08	-	11+35	E. JOHNSON STREET	-	40	-
	11+11	-	11+59	E. JOHNSON STREET	-	67	-
	11+29	-	11+31	E. JOHNSON STREET	46	-	-
	11+34	-	11+59	E. JOHNSON STREET	49	-	-
	11+62	-	12+03	E. JOHNSON STREET	41	-	-
	11+63	-	12+38	E. JOHNSON STREET	-	106	-
	11+64	-	11+77	E. JOHNSON STREET	15	-	-
	14+62	-	14+73	E. JOHNSON STREET	11	-	-
	14+66	-	14+73	E. JOHNSON STREET	14	-	-
	14+66	-	14+86	E. JOHNSON STREET	22	-	-
	14+74	-	15+01	E. JOHNSON STREET	59	-	-
	14+88	-	15+01	E. JOHNSON STREET	-	22	-
	15+00	-	15+05	E. JOHNSON STREET	25	-	-
	15+02	-	15+07	E. JOHNSON STREET	43	-	-
	15+02	-	15+04	E. JOHNSON STREET	4	-	-
	15+05	-	15+06	E. JOHNSON STREET	6	-	-
	15+09	-	16+68	E. JOHNSON STREET	157	-	-
	16+21	-	16+22	E. JOHNSON STREET	40	-	-
	16+70	-	17+22	E. JOHNSON STREET	76	-	-
	17+24	-	17+63	E. JOHNSON STREET	39	-	-
	17+24	-	17+28	E. JOHNSON STREET	4	-	-
	20+56	-	21+02	E. JOHNSON STREET	76	-	-
	20+63	-	21+01	E. JOHNSON STREET	36	-	-
	20+98	-	21+01	E. JOHNSON STREET	4	-	-
	21+01	-	21+02	E. JOHNSON STREET	60	-	-
	21+01	-	21+05	E. JOHNSON STREET	21	-	-
	21+06	-	26+30	E. JOHNSON STREET	-	-	15.26
	21+38	-	21+39	E. JOHNSON STREET	4		
	21+87	-	21+96	E. JOHNSON STREET	43	-	-
	22+36	-	22+37	E. JOHNSON STREET	4	-	-
	22+86	-	22+91	E. JOHNSON STREET	42	-	-
	23+36	-	23+37	E. JOHNSON STREET	4	-	-

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REMOVING STORM SEWER (CONT'D)

CATEGORY	STATION	TO	STATION	LOCATION	(204.0245.01) SIZE 01. 12-INCH OR LESS LF	(204.0245.02) SIZE 02. 15 TO 18 INCH LF	(204.0291.S) ABANDONING SEWER CY
0020	23+88	-	23+91	E. JOHNSON STREET	5	-	-
	24+39	-	24+40	E. JOHNSON STREET	4	-	-
	24+89	-	24+91	E. JOHNSON STREET	43	-	-
	25+38	-	25+41	E. JOHNSON STREET	42	-	-
	25+96	-	25+97	E. JOHNSON STREET	42	-	-
	26+15	-	27+15	E. JOHNSON STREET	-	22	-
	26+33	-	26+40	E. JOHNSON STREET	-	8	-
	26+41	-	26+42	E. JOHNSON STREET	42	-	-
	26+44	-	27+15	E. JOHNSON STREET	-	75	-
	27+13	-	27+16	E. JOHNSON STREET	58	-	-
	27+17	-	27+62	E. JOHNSON STREET	74	-	-
	33+61	-	33+80	E. JOHNSON STREET	20	-	-
	33+77	-	33+80	E. JOHNSON STREET	30	-	-
	33+80	-	33+81	E. JOHNSON STREET	20	-	-
	34+19	-	34+39	E. JOHNSON STREET	25	-	-
	34+32	-	39+44	E. JOHNSON STREET	-	-	14.97
	35+46	-	35+48	E. JOHNSON STREET	54	-	-
	35+88	-	35+92	E. JOHNSON STREET	48	-	-
	36+41	-	36+42	E. JOHNSON STREET	49	-	-
	36+51	-	36+52	E. JOHNSON STREET	5	-	-
	36+96	-	36+97	E. JOHNSON STREET	48	-	-
	37+46	-	37+47	E. JOHNSON STREET	47	-	-
	37+71	-	37+72	E. JOHNSON STREET	4	-	-
	37+96	-	39+97	E. JOHNSON STREET	47	-	-
	38+46	-	38+47	E. JOHNSON STREET	48	-	-
	38+91	-	38+92	E. JOHNSON STREET	4	-	-
	39+44	-	39+41	E. JOHNSON STREET	4	-	-
	40+40	-	40+43	E. JOHNSON STREET	-	55	-
	40+40	-	41+00	E. JOHNSON STREET	56	-	-
	40+41	-	40+79	E. JOHNSON STREET	39	-	-
	40+41	-	40+85	E. JOHNSON STREET	46	-	-
	41+00	-	42+58	E. JOHNSON STREET	155	-	-
	53+53	-	53+60	E. JOHNSON STREET	8	-	-
	53+62	-	53+65	E. JOHNSON STREET	60	-	-
	53+66	-	54+10	E. JOHNSON STREET	75	-	-
	54+12	-	54+17	E. JOHNSON STREET	5	-	-
	66+83	-	67+30	E. JOHNSON STREET	46	-	-
	67+31	-	67+42	E. JOHNSON STREET	58	-	-
	PROJECT TOTALS				**2,302**	**429**	**30.23**

3

3

MISCELLANEOUS STORM SEWER ITEMS

CATEGORY	STATION	LOCATION	(520.8000) CONCRETE COLLARS FOR PIPES EACH	(SPV.0060.012) STORM SEWER TAP EACH	(SPV.0060.021) *FLUID THERMAL BACKFILL EACH	(611.8120.S) COVER PLATES TEMPORARY EACH	(SPV.0060.013) *SEWER ELECTRONIC MARKER EACH	(SPV.0060.011) RECONNECT STORM SEWER LATERAL EACH	(SPV.0090.16) UTILITY TRENCH PATCH TYPE III LF
0020	11+65	RT	-	-	1	-	-	-	-
	11+08	RT	-	-	1	-	-	-	-
	13+31	LT	-	-	-	-	-	1	-
	14+87	LT	1	-	-	-	-	-	-
	15+00	LT	-	-	-	-	-	-	20
	15+05	RT	-	-	1	-	-	-	-
	15+60	RT	-	-	1	-	-	-	-
	16+65	RT	-	-	1	-	-	-	-
	17+23	LT	-	-	-	-	-	1	-
	20+13	RT	-	-	1	-	-	-	-
	21+04	RT	-	-	1	-	-	-	-
	21+11	LT	-	-	-	-	-	1	-
	21+52	RT	-	2	-	-	2	-	-
	21+52	RT	-	-	1	-	-	-	-
	21+95	LT	-	-	-	-	-	1	-
	22+98	LT	-	-	-	-	-	1	-
	23+22	RT	-	-	1	-	-	-	-
	25+00	RT	-	-	1	-	-	-	-
	26+40	RT	-	-	1	-	-	-	-
	27+22	RT	-	-	1	-	-	-	-
	27+72	LT	-	-	-	-	-	1	-
	30+10	RT	-	2	-	-	2	-	-
	33+28	RT	-	2	-	-	2	-	-
	33+80	RT	-	1	-	-	1	-	-
	35+85	RT	-	-	-	-	-	1	-
	35+89	RT	-	-	-	-	-	1	-
	37+40	RT	-	-	-	1	-	-	-
	40+43	LT	1	-	-	-	-	-	-
	41+01	LT	-	-	-	-	-	1	-
	41+58	LT	-	-	-	-	-	1	-
	41+65	LT	-	-	-	-	-	1	-
	41+98	LT	-	-	-	-	-	1	-
	42+58	LT	-	-	-	-	-	1	-
	43+22	LT	-	-	-	-	-	1	-
	43+93	LT	-	-	-	-	-	1	-
	44+50	LT	-	-	-	-	-	1	-
	65+41	RT	-	-	-	-	-	1	-
	65+92	RT	-	-	-	-	-	1	-
	67+42	LT	-	-	-	1	-	-	-
	68+49	LT	-	-	-	1	-	-	-
	69+10	RT	-	-	-	1	-	-	-
PROJECT TOTALS			**2**	**7**	**12**	**4**	**7**	**18**	**20**

*FLUID THERMAL BACKFILL AND SEWER ELECTRONIC MARKER ELSEWARE IN PLANS

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION		(SPV.0060.010) EACH
0020	10+84	38.0' RT	FIBER	1
	10+94	29.0' RT	GAS	1
	11+15	68.0' RT	FO	1
	11+52	30.0' RT	GAS	1
	11+73	21.0' RT	GAS	1
	11+74	64.0' LT	GAS	1
	12+37	59.0' LT	GAS	1
	14+52	28.0' RT	GAS	1
	14+98	25.0' LT	GAS	1
	15+03	28.0' RT	GAS	1
	17+11	25.0' LT	GAS	1
	17+18	30.0' LT	MGE ELECTRIC	1
	20+89	39.0' LT	ELECTRIC & FO	1
	20+91	38.0' RT	FO	1
	20+96	32.0' LT	GAS	1
	21+00	26.5' RT	GAS	1
	27+21	26.0' RT	GAS	1
	27+24	14.0' LT	MGE ELECTRIC	1
	27+26	33.0' LT	GAS	1
	27+26	12.5' RT	ELECTRIC	1
	27+48	39.5' LT	GAS	1
	27+53	53.5' LT	GAS	1
	27+61	13.0' RT	GAS	1
	40+42	26.0' RT	GAS	1
	40+92	26.0' RT	GAS	1
	46+92	23.0' LT	TELEPHONE	1
	47+51	24.0' LT	TELEPHONE	1
	47+67	24.0' LT	GAS	1
	48+00	15.0' RT	GAS	1
	51+72	15.5' RT	GAS	1
	53+25	15.5' RT	GAS	1
	53+80	15.5' RT	GAS	1
	54+59	15.5' RT	GAS	1
	55+62	15.5' RT	GAS	1
	65+58	21.0' LT	GAS	1
	66+98	41.0' RT	GAS	1
	67+32	35.0' RT	GAS & TELE.	1
PROJECT TOTAL				**37**

*UTILITY LINE OPENING ELSEWARE IN PLANS

EROSION CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	(628.7005) INLET PROTECTION TYPE A EACH	(628.7015) INLET PROTECTION TYPE C EACH	(628.7020) INLET PROTECTION TYPE D EACH	(628.7504) TEMPORARY DITCH CHECKS LF
0020	10+00.00	-	16+00.00	E JOHNSON STREET R/L	-	19	20	-
				N. HAMILTON / N. HANCOCK INTERSECTION	-	-	8	-
	16+00.00	-	22+00.00	E JOHNSON STREET R/L	2	11	11	-
				E. GORHAM / N. FRANLKIN INTERSECTION	-	-	3	-
				N. BLAIR / E. DAYTON INTERSECTION	-	-	5	-
				N. FRANKLIN/ E. DAYTON INTERSECTION	-	-	1	-
	22+00.00	-	28+00.00	E JOHNSON STREET R/L	-	17	12	-
				N. BLOUNT / E. DAYTON INTERSECTION	-	-	8	-
	28+00.00	-	34+00.00	E JOHNSON STREET R/L	2	2	3	-
				N. LIVINGSTON ST.	-	-	3	-
				N. LIVINGSTON / E. DAYTON INTERSECTION	-	-	4	-
	34+00.00	-	40+00.00	E JOHNSON STREET R/L	-	17	11	-
	40+00.00	-	46+00.00	E JOHNSON STREET R/L	-	4	10	27
				N. PATERSON / E. DAYTON INTERSECTION	-	-	4	-
	46+00.00	-	52+00.00	E JOHNSON STREET R/L	-	-	9	-
				N. BREARLY / E DAYTON INTERSECTION	-	-	5	-
	52+00.00	-	58+00.00	E JOHNSON STREET R/L	-	4	9	27
				N. INGERSOLL / E. DAYTON INTERSECTION	-	-	7	-
	58+00.00	-	64+00.00	E JOHNSON STREET R/L	-	-	-	81
				N. FEW / E. GORHAM INTERSECTION	-	-	6	-
				N. FEW / E. DAYTON INTERSECTION	-	-	5	-
	64+00.00	-	70+00.00	E JOHNSON STREET R/L	2	6	5	-
				N. BALDWIN ST	-	-	2	-
				N. BALDWIN / ELIZABETH ST INTERSECTION	-	-	5	-
				MARSTON AVE	-	-	4	-
				UNDISTRIBUTED	2	10	16	30
				PROJECT TOTALS	**8**	**90**	**176**	**165**

FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	(627.0200) MULCHING SY	(629.0210) FERTILIZER TYPE B CWT	(630.0140) SEEDING MIXTURE NO. 40 LB	(631.1000) SOD LAWN SY	(631.0300) SOD WATER MGAL
0020	10+00	16+00	RT & LT	474	48	0.30	1	426	24
	16+00	22+00	RT & LT	551	53	0.35	1	497	28
	22+00	28+00	RT & LT	529	74	0.33	1	454	26
	28+00	34+00	RT & LT	496	84	0.31	2	412	23
	34+00	40+00	RT & LT	310	44	0.20	1	266	15
	40+00	46+00	RT & LT	237	54	0.15	1	183	10
	46+00	52+00	RT & LT	595	88	0.37	2	507	29
	52+00	58+00	RT & LT	619	98	0.39	2	521	29
	58+00	64+00	RT & LT	743	121	0.47	2	622	35
	64+00	70+00	RT & LT	660	39	0.42	1	621	35
		UNDISTRIBUTED		600	444	0.38	8	0	0
		PROJECT TOTALS		**5,814**	**1,148**	**4**	**22**	**4,511**	**255**

PERMANENT SIGNING, CONTRACTOR FURNISHED SIGNS

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	637.2230 SIGNS REFLECTIVE TYPE II:F (SF)	637.2210 SIGNS REFLECTIVE TYPE II:H (SF)	641.8100 OVERHEAD SIGN SUPPORT STRUCTURE (EACH)	SPV.0090.05 SIGN POST (LF)	SPV.0090.06 REFLECTIVE SIGN POST (LF)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SPV.0060.006 SIGN POST BASE FOR CONCRETE INSTALLATION (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
1-01	R10-11b	36x36	--	9.00	--	--	--	--	--	SIGNAL, 2-01	NO TURN ON RED
1-02	R8-NS-1LR	18x24	--	3.00	--	--	--	--	--	STREET LIGHT	NO STOPPING STANDING OR PARKING: DOUBLE ARROW
1-03	R5-1	36x36	--	9.00	--	--	--	--	--	SIGNAL	DO NOT ENTER
1-04	R5-1	36x36	--	9.00	--	--	--	--	--	SIGNAL	DO NOT ENTER
1-05	D4-1b-ThruArrow	30x24	--	5.00	--	--	--	--	--	SIGNAL	PARKING-THRU ARROW
1-06	R6-2R	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-07	ONE WAY: RIGHT ARROW
1-07	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL,1-06	ONE WAY: LEFT ARROW
1-08	R10-11b	36x36	--	9.00	--	--	--	--	--	SIGNAL	NO TURN ON RED
1-09	D4-1a-RT	30x24	--	5.00	--	--	--	--	--	SIGNAL, 1-10, 1-11	PARKING-RIGHT ARROW
1-10	R6-2R	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-09, 1-11	ONE WAY: RIGHT ARROW
1-11	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-09, 1-10	ONE WAY: LEFT ARROW
1-12	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL	ONE WAY: LEFT ARROW
1-13	R10-11b	36x36	--	9.00	--	--	--	--	--	SIGNAL	NO TURN ON RED
1-14	R7-TLZ-1aL	15x21	--	2.19	--	--	12.8	1	--	2-05, 2-06	TRUCK LOADING ZONE: LEFT ARROW
1-15	R7-PR-1dLR	15x21	--	2.19	--	--	10.5	1	--	1-16	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-16	R7-NP-21bLR	15x21	--	2.19	--	--	--	--	--	1-15	NO PARKING 8AM TO NOON-FRIDAYS: DOUBLE ARROW
1-17	R8-NS-1tzLR	18x24	--	3.00	--	--	10.5	1	--	2-07	NO STOPPING STANDING OR PARKING TOW AWAY ZONE: DOUBLE ARROW
1-18	R8-NS-1tzR	18x24	--	3.00	--	--	9.0	1	--	--	NO STOPPING STANDING OR PARKING TOW AWAY ZONE: RIGHT ARROW
1-19	R7-NP-21bLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-20	NO PARKING 8AM TO NOON-FRIDAYS: DOUBLE ARROW
1-20	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-19	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-21	R7-NP-21dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-22	NO PARKING 8AM TO NOON-THURSDAYS: DOUBLE ARROW
1-22	R8-NS-3tzLR	18x30	--	3.75	--	--	--	--	--	STREET LIGHT, 1-21	NSSP- 3PM-530PM EX SSCH TOW AWAY: DOUBLE ARROW
1-23	R7-NP-1R	15x21	--	2.19	--	--	8.8	1	--	--	NO PARKING ANY TIME: RIGHT ARROW
1-24	OM2-2V	6x12	--	0.50	--	--	4.0	1	--	--	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-25	R6-2R	24x30	--	5.00	--	--	9.5	1	--	--	ONE WAY: RIGHT ARROW
1-26	R1-9-MOD	24x96	--	16.00	--	--	--	--	--	STREET LIGHT-OVER	STATE LAW YIELD TO PEDESTRIANS IN CROSSWALKS
1-27	R1-1	30x30	--	3.00	--	11.5	--	1	--	1-28	STOP SIGN
1-28	R6-2L	18x24	--	3.00	--	--	--	--	--	1-27	ONE WAY: LEFT ARROW
1-29	OM2-1V	6x12	--	0.50	--	4.0	--	1	--	--	OBJECT MARKER: TYPE II VERTICAL: WHITE BACK/YELLOW REFLECTORS
1-30	R1-1	30x30	--	6.25	--	--	--	1	--	2-08,2-09	STOP SIGN
1-31	R6-2L	18x24	--	3.00	--	9.0	--	1	--	--	ONE WAY: LEFT ARROW
1-32	R6-2R	24x30	--	5.00	--	--	13.5	1	--	2-10,2-11	ONE WAY: RIGHT ARROW
1-33	R2-1	30x36	--	7.50	--	--	--	--	--	STREET LIGHT, 1-34	SPEED LIMIT 25 MPH
1-34	R7-NP-1L	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-33	NO PARKING ANY TIME: LEFT ARROW
1-35	R2-1	30x36	--	7.50	--	--	11.5	1	--	2-12	SPEED LIMIT 25 MPH
1-36	R7-NP-21dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-37	NO PARKING 8AM TO NOON-THURSDAYS: DOUBLE ARROW
1-37	R8-NS-3tzLR	18x30	--	3.75	--	--	--	--	--	STREET LIGHT, 1-36	NSSP- 3PM-530PM EX SSCH TOW AWAY: DOUBLE ARROW
1-38	R7-PR-1dLR	15x21	--	2.19	--	--	10.5	1	--	1-39	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-39	R7-NP-21bLR	15x21	--	2.19	--	--	--	--	--	1-38	NO PARKING 8AM TO NOON-FRIDAYS: DOUBLE ARROW
1-40	R7-NP-21bLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-41	NO PARKING 8AM TO NOON-FRIDAYS: DOUBLE ARROW
1-41	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT,1-40	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
		SHEET SUBTOTAL	0	172.19	0	24.5	100.5	14	0		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PERMANENT SIGNING, CONTRACTOR FURNISHED SIGNS (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	637.2230 SIGNS REFLECTIVE TYPE II:F (SF)	637.2210 SIGNS REFLECTIVE TYPE II:H (SF)	641.8100 OVERHEAD SIGN SUPPORT STRUCTURE (EACH)	SPV.0090.05 SIGN POST (LF)	SPV.0090.06 REFLECTIVE SIGN POST (LF)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SPV.0060.006 SIGN POST BASE FOR CONCRETE INSTALLATION (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
1-42	R8-NS-3tzLR	18x30	--	3.75	--	--	11.3	1	--	1-41	NSSP- 3PM-530PM EX SSCH TOW AWAY: DOUBLE ARROW
1-43	R7-NP-21dLR	15x21	--	2.19	--	--	--	--	--	1-42	NO PARKING 8AM TO NOON-THURSDAYS: DOUBLE ARROW
1-44	R7-NP-1R	15x21	--	2.19	--	--	8.8	1	--	--	NO PARKING ANY TIME: RIGHT ARROW
1-45	OM2-2V	6x12	--	0.50	--	--	4.0	1	--	--	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-46	R6-2L	24x30	--	5.00	--	--	9.5	1	--	--	ONE WAY: LEFT ARROW
1-47	R1-9-MOD	24x96	--	16.00	--	--	--	--	--	STREET LIGHT-OVER	STATE LAW YIELD TO PEDESTRIANS IN CROSSWALKS
1-48	R1-1	30x30	--	6.25	--	9.5	--	1	--	--	STOP SIGN
1-49	R6-2R	18x24	--	3.00	--	9.0	--	1	--	--	ONE WAY: RIGHT ARROW
1-50	R6-2L	24x30	--	5.00	--	--	11.5	1	--	2-13,2-14	ONE WAY: LEFT ARROW
1-51	R1-1	30x30	--	6.25	--	11.5	--	1	--	1-52	STOP SIGN
1-52	R6-2R	18X24	--	3.00	--	--	--	--	--	1-51	ONE WAY: RIGHT ARROW
1-53	R8-NS-1tzLR	18x24	--	3.00	--	--	10.5	1	--	2-15	NO STOPPING STANDING OR PARKING TOW AWAY ZONE: DOUBLE ARROW
1-54	R7-NP-1L	15x21	--	2.19	--	--	11.3	1	--	2-16	NO PARKING ANY TIME: LEFT ARROW
1-55	R14-1	24x18	--	3.00	--	--	--	--	--	STREET LIGHT, 1-56, 2-1	TRUCK ROUTE
1-56	M6-1R	15x21	--	2.19	--	--	--	--	--	1-55, 2-17	RIGHT ARROW SYMBOL
1-57	R3-5R	30x36	--	7.50	--	--	--	--	--	OVERHEAD	RIGHT TURN ONLY SYMBOL
1-58	R8-NS-1tzLR	18x24	--	3.00	--	--	--	--	--	STREET LIGHT	NO STOPPING STANDING OR PARKING TOW AWAY ZONE: DOUBLE ARROW
1-59	R7-PR-1dLR	15x21	--	2.19	--	--	10.5	1	--	1-60	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-60	R7-NP-21bLR	15x21	--	2.19	--	--	--	--	--	1-59	NO PARKING 8AM TO NOON-FRIDAYS: DOUBLE ARROW
1-61	M6-1R	15x21	--	2.19	--	--	10.3	1	--	ON STUB POLE, 1-62	RIGHT ARROW SYMBOL
1-62	R14-1	24x18	--	3.00	--	--	--	--	--	ON STUB POLE, 1-61	TRUCK ROUTE
1-63	R7-NP-1R	15x21	--	2.19	--	--	8.8	1	--	--	NO PARKING ANY TIME: RIGHT ARROW
1-64	R8-NS-1tzLR	18x24	--	3.00	--	--	--	--	--	STREET LIGHT	NO STOPPING STANDING OR PARKING TOW AWAY ZONE: DOUBLE ARROW
1-65	R14-1	24x18	--	3.00	--	--	10.3	1	--	1-66, 1-67	TRUCK ROUTE
1-66	M6-1R	15x21	--	2.19	--	--	--	--	--	1-65, 1-67	RIGHT ARROW SYMBOL
1-67	OM2-2V	6x12	--	0.50	--	--	--	--	--	1-65, 1-66	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-68	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL	ONE WAY: LEFT ARROW
1-69	D3-1(MOD)	49x18	--	6.13	--	--	--	--	--	SIGNAL, 1-72,1-73, 1-77	N BLAIR ST
1-70	R6-2R	24x30	--	5.00	--	--	--	--	--	SIGNAL, 1-71	ONE WAY: RIGHT ARROW
1-71	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-70	ONE WAY: LEFT ARROW
1-72	R14-1	24x18	--	3.00	--	--	--	--	--	IAL, 1-73, 1-77, 2-18, 1	TRUCK ROUTE
1-73	M6-1R	15x21	--	2.19	--	--	--	--	--	INAL,1-72, 1-77,2-18, 2	RIGHT ARROW SYMBOL
1-74	R7-NP-1L	15x21	--	2.19	--	11.3	--	1	--	2-20	NO PARKING ANY TIME: LEFT ARROW
1-75	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-76, 2-2	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-76	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-75, 2-2	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-77	R7-NP-22-aL	14.25x20.25	--	2.00	--	--	--	--	--	NAL, 1-72,1-73, 2-18, 2	BUS STOP-NO PARKING: LEFT ARROW
1-78	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREETLIGHT, 1-79, 2-23	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-79	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-78, 2-2	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-80	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-81	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-81	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-80	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-82	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-83	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
		SHEET SUBTOTAL	0	136.25	0	41.3	106.5	15	0		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PERMANENT SIGNING, CONTRACTOR FURNISHED SIGNS (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	637.2230 SIGNS REFLECTIVE TYPE II:F (SF)	637.2210 SIGNS REFLECTIVE TYPE II:H (SF)	641.8100 OVERHEAD SIGN SUPPORT STRUCTURE (EACH)	SPV.0090.05 SIGN POST (LF)	SPV.0090.06 REFLECTIVE SIGN POST (LF)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SPV.0060.006 SIGN POST BASE FOR CONCRETE INSTALLATION (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
1-83	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-82	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-84	R7-NP-8R	14.25x20.25	--	2.00	--	8.7	--	1	--	--	NO PARKING HERE TO DRIVEWAY-ARROW RIGHT
1-85	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-86	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-86	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREETLIGHT, 1-85	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-87	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-88	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-88	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-87	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-89	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-90	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-90	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREETLIGHT, 1-89	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-91	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-92	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-92	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREETLIGHT, 1-91	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-93	R7-NP-1R	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANY TIME: RIGHT ARROW
1-94	OM2-2V	6x12	--	0.50	--	4.0	--	1	--	--	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-95	R6-2R	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-96	ONE WAY: RIGHT ARROW
1-96	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-95	ONE WAY: RIGHT ARROW
1-97	D3-1(MOD)	57x18	--	7.13	--	--	--	--	--	SIGNAL, 1-100	N BLOUNT ST
1-98	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-99	ONE WAY: LEFT ARROW
1-99	R6-2R	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-98	ONE WAY: RIGHT ARROW
1-100	R7-NP-22-aL	14.25x20.25	--	2.00	--	--	--	--	--	SIGNAL, 1-97	BUS STOP-NO PARKING: LEFT ARROW
1-101	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT,1-102, 2-2(	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-102	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	REET LIGHT, 1-101, 2-2(	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-103	R8-NS-1LR	18x24	--	3.00	--	--	--	--	--	STREET LIGHT, 2-27	NO STOPPING STANDING OR PARKING: DOUBLE ARROW
1-104	R8-NS-1L	18x24	--	3.00	--	10.5	--	1	--	2-28	NO STOPPING STANDING OR PARKING: LEFT ARROW
1-105	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-106	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-106	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-105	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-107	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-108	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-108	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-107	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-109	R2-1	30x36	--	7.50	--	--	--	--	--	STREET LIGHT	SPEED LIMIT 25 MPH
1-110	R2-1	30x36	--	7.50	--	--	--	--	--	STREET LIGHT	SPEED LIMIT 25 MPH
1-111	R7-NP-20eLR	15x21	--	2.19	--	10.5	--	1	--	1-112	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-112	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	1-111	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-113	R7-NP-20fLR	15x21	--	2.19	--	10.5	--	1	--	1-114	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-114	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	1-113	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-115	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-116	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-116	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-115	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-117	R7-NP-20fLR	15x21	--	2.19	--	10.5	--	1	--	1-118	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-118	R7-PR-1dLR	15x21	--	2.19	--	--	--	--	--	1-117	2 HR PARKING 8AM TO 6PM EX. SSCH: DOUBLE ARROW
1-119	R7-NP-22-aL	14.25x20.25	--	2.00	--	--	--	--	--	STREET LIGHT	BUS STOP-NO PARKING: LEFT ARROW
1-120	R7-NP-1R	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANYTIME: RIGHT ARROW
1-121	OM2-2V	6x12	--	0.50	--	--	--	--	--	STREETLIGHT, 1-125	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-122	R6-2R	18x24	--	3.00	--	13.5	--	1	--	1-123,1-124	ONE WAY: RIGHT ARROW
1-123	R1-1	30X30	--	6.25	--	--	--	--	--	1-122, 1-124	STOP SIGN
		SHEET SUBTOTAL	0	111.07	0	85.7	0.0	9	0		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

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PERMANENT SIGNING, CONTRACTOR FURNISHED SIGNS (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	637.2230 SIGNS REFLECTIVE TYPE II:F (SF)	637.2210 SIGNS REFLECTIVE TYPE II:H (SF)	641.8100 OVERHEAD SIGN SUPPORT STRUCTURE (EACH)	SPV.0090.05 SIGN POST (LF)	SPV.0090.06 REFLECTIVE SIGN POST (LF)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SPV.0060.006 SIGN POST BASE FOR CONCRETE INSTALLATION (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
1-124	R6-2L	18x24	--	3.00	--	--	--	--	--	1-122,1-123	ONE WAY: LEFT ARROW
1-125	R1-9-MOD	24x96	--	16.00	--	--	--	--	--	STREET LIGHT-OVER, 1-12	STATE LAW YIELD TO PEDESTRIANS IN CROSSWALKS
1-126	R6-2L	18x24	--	3.00	--	13.5	--	--	--	1-127, 1-128	ONE WAY: LEFT ARROW
1-127	R1-1	30x30	--	6.25	--	--	--	--	--	1-126, 1-128	STOP SIGN
1-128	R6-2R	18x24	--	3.00	--	--	--	--	--	1-126, 1-127	ONE WAY: RIGHT ARROW
1-129	W5-52R	12x36	--	3.00	--	--	--	--	--	STREET LIGHT	OBJECT MARKER: TYPE III: STRIPED:YELLOW/BLACK: 45 DEGREE RIGHT
1-130	R7-NP-1L	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANY TIME: LEFT ARROW
1-131	R7-NP-1L	15x21	--	2.19	--	10.3	--	1	--	2-33	NO PARKING ANY TIME: LEFT ARROW
1-132	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-133	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-133	R7-PR-1aLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-132	2 HR PARKING 8AM TO 6PM EX. SNCH: DOUBLE ARROW
1-134	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	TREET LIGHT, 2-34, 1-13	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-135	R7-PR-1aLR	15x21	--	2.19	--	--	--	--	--	TREET LIGHT, 1-134, 2-3	2 HR PARKING 8AM TO 6PM EX. SNCH: DOUBLE ARROW
1-136	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-137	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-137	R7-PR-1aLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-136	2 HR PARKING 8AM TO 6PM EX. SNCH: DOUBLE ARROW
1-138	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-139	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-139	R7-LZ-1aL	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-138	FREIGHT LOADING ZONE 8AM TO 6PM EX SNCH: LEFT ARROW
1-140	R8-NS-1R	18x24	--	3.00	--	9.0	--	1	--	--	NO STOPPING STANDING OR PARKING: RIGHT ARROW
1-141	R8-NS-1L	18x24	--	3.00	--	9.0	--	--	1	--	NO STOPPING STANDING OR PARKING: LEFT ARROW
1-142	R8-NS-1LR	18x24	--	3.00	--	--	--	--	--	STREET LIGHT	NO STOPPING STANDING OR PARKING: DOUBLE ARROW
1-143	R8-NS-1LR	18x24	--	3.00	--	9.0	--	1	--	--	NO STOPPING STANDING OR PARKING: DOUBLE ARROW
1-144	R8-NS-1L	18x24	--	3.00	--	--	--	--	--	STREET LIGHT	NO STOPPING STANDING OR PARKING: LEFT ARROW
1-145	R8-NS-1R	18x24	--	3.00	--	9.0	--	1	--	--	NO STOPPING STANDING OR PARKING: RIGHT ARROW
1-146	R7-NP-20eLR	15x21	--	2.19	--	10.5	--	1	--	1-147	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-147	R7-PR-1aLR	15x21	--	2.19	--	--	--	--	--	1-146	2 HR PARKING 8AM TO 6PM EX. SNCH: DOUBLE ARROW
1-148	R7-NP-20fLR	15x21	--	2.19	--	10.5	--	--	1	1-149	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-149	R7-PR-1aLR	15x21	--	2.19	--	--	--	--	--	1-148	2 HR PARKING 8AM TO 6PM EX. SNCH: DOUBLE ARROW
1-150	R7-NP-3	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING BETWEEN DRIVEWAYS
1-151	R7-NP-3	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING BETWEEN DRIVEWAYS
1-152	R7-NP-1R	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANY TIME: RIGHT ARROW
1-153	R7-LZ-1aL	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	FREIGHT LOADING ZONE 8AM TO 6PM EX SNCH: LEFT ARROW
1-154	OM2-2V	6x12	--	0.50	--	4.0	--	--	1	--	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-155	R6-2R	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-156	ONE WAY: RIGHT ARROW
1-156	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-155	ONE WAY: LEFT ARROW
1-157	R6-2L	18X24	--	3.00	--	--	--	--	--	SIGNAL, 1-158	ONE WAY: LEFT ARROW
1-158	R6-2R	18X24	--	3.00	--	--	--	--	--	SIGNAL, 1-157	ONE WAY: RIGHT ARROW
1-159	D3-1(MOD)	67x18	--	8.38	--	--	--	--	--	SIGNAL, 1-160, 1-161	E JOHNSON ST
1-160	D3-1(MOD)	69x18	--	8.63	--	--	--	--	--	SIGNAL, 1-159, 1-161	N PATERSON ST
1-161	R7-NP-22-aL	14.25x20.25	--	2.00	--	--	--	--	--	SIGNAL, 1-159, 1-160	BUS STOP-NO PARKING: LEFT ARROW
1-162	R8-NS-1LR	18x24	--	3.00	--	11.5	--	--	1	2-37	NO STOPPING STANDING OR PARKING: DOUBLE ARROW
1-163	R8-NS-1L	18x24	--	3.00	--	--	--	--	--	STREET LIGHT, 2-38	NO STOPPING STANDING OR PARKING: LEFT ARROW
1-164	R7-NP-20fLR	15x21	--	2.19	--	10.5	--	1	--	1-165	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
		SHEET SUBTOTAL	0	131.32	0	133.0	0.0	9	4		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PERMANENT SIGNING, CONTRACTOR FURNISHED SIGNS (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	637.2230 SIGNS REFLECTIVE TYPE II:F (SF)	637.2210 SIGNS REFLECTIVE TYPE II:H (SF)	641.8100 OVERHEAD SIGN SUPPORT STRUCTURE (EACH)	SPV.0090.05 SIGN POST (LF)	SPV.0090.06 REFLECTIVE SIGN POST (LF)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SPV.0060.006 SIGN POST BASE FOR CONCRETE INSTALLATION (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
1-165	R7-PR-1aR	15x21	--	2.19	--	--	--	--	--	1-164	2 HR PARKING 8AM TO 6PM EX. SNCH: RIGHT ARROW
1-166	R7-PR-1aR	15x21	--	2.19	--	10.5	--	--	1	1-167	2 HR PARKING 8AM TO 6PM EX. SNCH: RIGHT ARROW
1-167	R7-PR-3L	15x21	--	2.19	--	--	--	--	--	1-166	30 MIN PARKING 8AM TO 6PM EX. SNCH
1-168	R7-PR-1aLR	15x21	--	2.19	--	11.5	--	--	1	1-169, 2-39	2 HR PARKING 8AM TO 6PM EX. SNCH: DOUBLE ARROW
1-169	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	1-168, 2-39	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-170	R2-1	30x36	--	7.50	--	--	--	--	--	STREET LIGHT, 1-171	SPEED LIMIT 25 MPH
1-171	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-170	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-172	R2-1	30x36	--	7.50	--	--	--	--	--	STREET LIGHT	SPEED LIMIT 25 MPH
1-173	R7-PR-1aLR	15x21	--	2.19	--	10.5	--	--	1	1-174	2 HR PARKING 8AM TO 6PM EX. SNCH: DOUBLE ARROW
1-174	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	1-173	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-175	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-176	R7-PR-1aL	15x21	--	2.19	--	10.5	--	--	1	1-177	2 HR PARKING 8AM TO 6PM EX. SNCH: LEFT ARROW
1-177	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	1-176	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-178	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-179	R7-NP-22-aL	14.25x20.25	--	2.00	--	8.7	--	1	--	--	BUS STOP-NO PARKING LEFT ARROW
1-180	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 2-40	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-181	R7-NP-1R	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANY TIME: RIGHT ARROW
1-182	OM2-2V	6x12	--	0.50	--	--	--	--	--	STREET LIGHT, 1-267	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-183	R6-2R	18x24	--	3.00	--	13.5	--	1	--	1-184, 1-185	ONE WAY: RIGHT ARROW
1-184	R1-1	30x30	--	6.25	--	--	--	--	--	1-183, 1-185	STOP SIGN
1-185	R6-2L	18x24	--	3.00	--	--	--	--	--	1-183, 1-184	ONE WAY: LEFT ARROW
1-186	R6-2L	18x24	--	3.00	--	13.5	--	1	--	1-187, 1-188	ONE WAY: LEFT ARROW
1-187	R1-1	30x30	--	6.25	--	--	--	--	--	1-186, 1-188	STOP SIGN
1-188	R6-2R	18x24	--	3.00	--	--	--	--	--	1-186, 1-187	ONE WAY: RIGHT ARROW
1-189	W5-52R	12x36	--	3.00	--	--	--	--	--	STREET LIGHT	OBJECT MARKER: TYPE III: STRIPED:YELLOW/BLACK: 45 DEGREE RIGHT
1-190	R7-NP-1L	15x21	--	2.19	--	11.3	--	1	--	2-44	NO PARKING ANY TIME: LEFT ARROW
1-191	R7-NP-20fLR	15x21	--	2.19	--	12.0	--	1	--	1-192, 2-45	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-192	R7-NP-1LR	15x21	--	2.19	--	--	--	--	--	1-191, 2-45	NO PARKING ANY TIME: DOUBLE ARROW
1-193	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 2-46	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-194	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-195	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-196	S1-1	30x30	6.25	--	--	12.0	--	1	--	1-197, 1-198	CROSSWALK SYMBOL
1-197	W16-9P	24x12	2.00	--	--	--	--	--	--	1-196, 1-198	AHEAD
1-198	R2-6P	24x18	3.00	--	--	--	--	--	--	1-196, 1-197	FINES HIGHER
1-199	S1-1	30x30	6.25	--	--	12.0	--	1	--	1-200, 1-201	CROSSWALK SYMBOL
1-200	W16-9P	24x12	2.00	--	--	--	--	--	--	1-199, 1-201	AHEAD
1-201	R2-6P	24x18	3.00	--	--	--	--	--	--	1-199, 1-200	FINES HIGHER
1-202	S4-51	24x48	--	3.00	--	--	--	--	--	SIGNAL	SCHOOL SPEED LIMIT 20 MPH WHEN CHILDREN PRESENT
1-203	S4-51	24x48	--	3.00	--	--	--	--	--	STREET LIGHT	SCHOOL SPEED LIMIT 20 MPH WHEN CHILDREN PRESENT
1-204	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-205	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
	SHEET SUBTOTAL		22.50	99.13	0	134.7	0.0	8	4		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PERMANENT SIGNING, CONTRACTOR FURNISHED SIGNS (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	637.2230 SIGNS REFLECTIVE TYPE II:F (SF)	637.2210 SIGNS REFLECTIVE TYPE II:H (SF)	641.8100 OVERHEAD SIGN SUPPORT STRUCTURE (EACH)	SPV.0090.05 SIGN POST (LF)	SPV.0090.06 REFLECTIVE SIGN POST (LF)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SPV.0060.006 SIGN POST BASE FOR CONCRETE INSTALLATION (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
1-206	R7-NP-1R	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANY TIME: RIGHT ARROW
1-207	R7-NP-20fLR	15x21	--	2.19	--	10.5	--	1	--	1-208	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-208	R7-NP-1L	15x21	--	2.19	--	--	--	--	--	1-207	NO PARKING ANY TIME: LEFT ARROW
1-209	OM2-2V	6x12	--	0.50	--	4.0	--	1	--	--	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-210	R6-2R	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-211	ONE WAY: RIGHT ARROW
1-211	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-210	ONE WAY: LEFT ARROW
1-212	R6-2R	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-213	ONE WAY: RIGHT ARROW
1-213	R6-2L	18x24	--	3.00	--	--	--	--	--	SIGNAL, 1-212	ONE WAY: LEFT ARROW
1-214	D3-1(MOD)	67x18	--	8.38	--	--	--	--	--	SIGNAL, 1-216, 2-53	N INGERSOLL ST
1-215	R1-9(MOD)	24X96	--	16.00	--	--	--	--	--	OVERHEAD WITH SL	YIELD TO PEDESTRIANS IN CROSSWALK
1-216	R7-NP-22-aL	14.25x20.25	--	2.00	--	--	--	--	--	SIGNAL, 1-214, 2-53	BUS STOP-NO PARKING: LEFT ARROW
1-217	R7-NP-1LR	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANYTIME DOUBLE ARROW
1-218	R7-NP-20eLR	15x21	--	2.19	--	10.5	--	1	--	1-219	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-219	R7-NP-1L	15x21	--	2.19	--	--	--	--	--	1-218	NO PARKING ANY TIME: LEFT ARROW
1-220	R7-NP-3	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING BETWEEN DRIVEWAYS
1-221	S5-2	24x30	--	5.00	--	--	--	--	--	STREET LIGHT, 1-222	END SCHOOL ZONE
1-222	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-221	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-223	S5-2	24x30	--	5.00	--	--	--	--	--	STREET LIGHT, 1-224	END SCHOOL ZONE
1-224	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-223	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-225	R2-1	30x36	--	7.50	--	--	--	--	--	STREET LIGHT, 1-226	SPEED LIMIT 25 MPH
1-226	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT, 1-225	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-227	R2-1	30x36	--	7.50	--	--	--	--	--	STREET LIGHT, 1-228	SPEED LIMIT 25 MPH
1-228	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGH, 1-227	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-229	R7-NP-20eLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-230	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-231	R7-NP-20eLR	15x21	--	2.19	--	10.5	--	1	--	1-232	NO PARKING 8AM TO 930AM- FRI MAY1- NOV15: DOUBLE ARROW
1-232	R7-NP-1R	15x21	--	2.19	--	--	--	--	--	1-231	NO PARKING ANY TIME: RIGHT ARROW
1-233	R7-NP-22-aL	14.25x20.25	--	2.00	--	8.7	--	1	--	--	BUS STOP-NO PARKING: LEFT ARROW
1-234	OM2-2V	6x12	--	0.50	--	--	--	--	--	STREET LIGHT, 1-260	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-235	R6-2R	18x24	--	3.00	--	13.5	--	1	--	1-236, 1-237	ONE WAY: RIGHT ARROW
1-236	R1-1	30x30	--	6.25	--	--	--	--	--	1-235, 1-237	STOP SIGN
1-237	R6-2L	18x24	--	3.00	--	--	--	--	--	1-235, 1-236	ONE WAY: LEFT ARROW
1-238	R6-2L	18x24	--	3.00	--	13.5	--	1	--	1-239,1-240	ONE WAY: LEFT ARROW
1-239	R1-1	30x30	--	6.25	--	--	--	--	--	1-238, 1-240	STOP SIGN
1-240	R6-2R	18x24	--	3.00	--	--	--	--	--	1-238, 1-238	ONE WAY: RIGHT ARROW
1-241	R7-NP-1L	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANY TIME: LEFT ARROW
1-242	OM2-2V	6x12	--	0.50	--	--	--	--	--	STREET LIGHT	OBJECT MARKER: TYPE II VERTICAL: SOLID YELLOW
1-243	R7-NP-17	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING THIS SIDE
1-244	R7-NP-20fLR	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-245	R7-NP-17	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING THIS SIDE
1-246	R7-NP-20fLR	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
		SHEET SUBTOTAL	0	135.13	0	114.9	0.0	12	0		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PERMANENT SIGNING, CONTRACTOR FURNISHED SIGNS (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	637.2230 SIGNS REFLECTIVE TYPE II:F (SF)	637.2210 SIGNS REFLECTIVE TYPE II:H (SF)	641.8100 OVERHEAD SIGN SUPPORT STRUCTURE (EACH)	SPV.0090.05 SIGN POST (LF)	SPV.0090.06 REFLECTIVE SIGN POST (LF)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SPV.0060.006 SIGN POST BASE FOR CONCRETE INSTALLATION (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
1-247	R7-NP-17	15x21	--	2.19	--	--	--	--	--	STREET LIGHT	NO PARKING THIS SIDE
1-248	R3-7L	36x36	--	9.00	--	11.8	--	1	--	1-249	LEFT LANE MUST TURN LEFT
1-249	R7-NP-17	15x21	--	2.19	--	--	--	--	--	1-248	NO PARKING THIS SIDE
1-250	R7-NP-20fLR	15x21	--	2.19	--	10.5	--	1	--	1-251	NO PARKING 8AM TO 930AM- THR MAY1- NOV15: DOUBLE ARROW
1-251	R7-PR-3L	15x21	--	2.19	--	--	--	--	--	1-250	30 MIN PARKING 8AM TO 6PM EX. SNCH: LEFT ARROW
1-252	R7-PR-3R	15x21	--	2.19	--	10.8	--	1	--	1-253	30 MIN PARKING 8AM TO 6PM EX. SNCH: RIGHT ARROW
1-253	R8-NS-1tzL	18x24	--	3.00	--	--	--	--	--	1-252	NO STOP STANDING OR PARKING-TOW AWAY ZONE LEFT ARROW
1-254	R8-NS-1tzLR	18x24	--	3.00	--	--	--	--	--	STREET LIGHT	NO STOPPING STANDING OR PARKING TOW AWAY ZONE: DOUBLE ARROW
1-255	D3-1(MOD)	67x18	--	8.38	--	--	--	--	--	SIGNAL	BALDWIN STREET
1-256	R1-9(MOD)	24X96	--	16.00	--	--	--	--	--	OVERHEAD WITH SL	YIELD TO PEDESTRIANS IN CROSSWALK
1-257	D3-1(MOD)	64x18	--	8.00	--	--	--	--	--	SIGNAL, 1-260	N BALDWIN ST
1-258	R3-4	36x36	--	9.00	--	--	--	--	--	SIGNAL, 1-259	NO U-TURN SYMBOL
1-259	R4-7	24x30	--	5.00	--	--	--	--	--	SIGNAL, 1-260	KEEP RIGHT SYMBOL
1-260	R1-9(MOD)	24X96	--	16.00	--	--	--	--	--	OVERHEAD WITH SL	YIELD TO PEDESTRIANS IN CROSSWALK
1-261	R3-4	36x36	--	9.00	--	--	--	--	--	SIGNAL, 1-262	NO U-TURN SYMBOL
1-262	R4-7	24x30	--	5.00	--	--	--	--	--	SIGNAL, 1-261	KEEP RIGHT SYMBOL
1-263	R7-NP-1LR	15x21	--	2.19	--	8.8	--	1	--	--	NO PARKING ANY TIME: DOUBLE ARROW
1-264	R2-1	30x36	--	7.50	--	10.0	--	1	--	--	SPEED LIMIT 25 MPH
1-265	R2-1	30x36	--	7.50	--	10.0	--	1	--	--	SPEED LIMIT 25 MPH
3-1	N/A	48x120	--	40.00	1	--	--	--	--	OVERHEAD SUPPORT	TO EAST WASHINGTON, HWY151, INT 90/94: RIGHT ARROW
		SHEET SUBTOTAL	0	159.50	1	61.8	0.0	6	0		
		CONTRACTOR FURNISHED SIGNS TOTAL	22.5	944.59	1.0	595.8	207.0	73.0	8.0		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PERMANENT SIGNING, CITY OF MADISON FURNISHED SIGNS

SIGN #	SIGN CODE	SIGN SIZE (IN x IN)	SPV.0090.05 SIGN POST (LF)	SPV.0060.007 ERECTING CITY-OWNED SIGNS TYPE II (EACH)	SPV.0060.005 PRECAST SIGN POST BASE (EACH)	SIGN MOUNTED ON SAME POST AS…	REMARKS
2-01	N/A	Xx18	--	1	--	SIGNAL, 1-01	BUS STOP
2-02	D3-1	Xx12	--	1	--	SIGNAL	N HAMILTON ST
2-03	D3-1	Xx12	--	1	--	--	E JOHNSON ST
2-04	D3-1	Xx12	--	1	--	--	N BUTLER ST
2-05	R3-17b(MOD)	24x30	--	1	--	1-14	BIKE LANE SYMBOL
2-06	R7-203m	12x18	--	1	--	--	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-07	R7-203m	12x18	--	1	--	1-17	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-08	D3-1	Xx12	--	1	--	1-30	E JOHNSON ST
2-09	D3-1	Xx12	--	1	--	--	N HANCOCK ST
2-10	R7-203m	12x18	--	1	--	1-32	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-11	R3-17b(MOD)	24x30	--	1	--	--	BIKE LANE SYMBOL
2-12	R7-203m	12x18	--	1	--	1-35	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-13	D3-1	N/A	--	1	--	1-50	E JOHNSON ST
2-14	D3-1	N/A	--	1	--	--	N FRANKLIN ST
2-15	R7-203m	12x18	--	1	--	1-53	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-16	R3-17b(MOD)	24x30		1		1-54	BIKE LANE SYMBOL
2-17	R7-203m	12x18	--	1	--	STREET LIGHT, 1-55,1-56	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-18	D3-1	N/A	--	1	--	SIGNAL, 1-70, 1-71	N BLAIR ST
2-19	D3-1	N/A	--	1	--	--	E JOHNSON ST
2-20	R3-17b(MOD)	24x30	--	1	--	1-74	BIKE LANE SYMBOL
2-21	R7-203m	12x18	--	1	--	STREET LIGHT,1-75,1-76	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-22	N/A	Xx18	--	1	1	--	BUS STOP
2-23	R7-203m	12x18	--	1	--	STREET LIGHT 1-78,1-79	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-24	D3-1	N/A	--	1	--	SIGNAL	E JOHNSON ST
2-25	N/A	Xx18	9	1	--	--	BUS STOP
2-26	R7-203m	12x18	--	1	--	STREET LIGHT,1-101,1-102	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-27	R3-17b(MOD)	24x30	--	1	--	STREET LIGHT 1-103	BIKE LANE SYMBOL
2-28	R7-203m	12x18	--	1	--	1-104	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-29	N/A	Xx18	9	1	1	--	BUS STOP
2-30	R3-17b(MOD)	24x30	12	1	1	--	BIKE LANE SYMBOL
2-31	D3-1	Xx12	--	1	--	--	E JOHNSON ST
2-32	D3-1	Xx12	--	1	--	--	N LIVINGSTON ST
2-33	R7-203m	12x18	--	1	--	1-131	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-34	R7-203m	12x18	--	1	--	STREET LIGHT,1-134,1-135	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-35	R7-203m	12x18	--	1	--	STREET LIGHT	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-36	N/A	Xx18	9	1	1		BUS STOP
2-37	R3-17b(MOD)	24x30	--	1	--	1-162	BIKE LANE SYMBOL
2-38	R7-203m	12x18	--	1	--	STREET LIGHT,1-163	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-39	D3-1	Xx12	--	1	--	1-168, 1-169	NORRIS CT
2-40	D11-1LR	16.25x22.25	--	1	--	STREET LIGHT,1-180	BIKE ROUTE
2-41	N/A	Xx18	9	1	1	--	BUS STOP
2-42	D3-1	Xx12	9	1	1	--	E JOHNSON ST
2-43	D3-1	Xx12	--	1	--	--	N BREARLY ST
2-44	R3-17b(MOD)	24x30	--	1	1	1-190	BIKE LANE SYMBOL
2-45	R7-203m	12x18	--	1	--	1-191, 1-192	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-46	R7-203m	12x18	--	1	--	STREET LIGHT,1-193	ALTERNATE SIDE PARKING: 1AM- 7AM DURING SNOW EMERGENCY
2-47	N/A	Xx18	9	1	1	--	BUS STOP
2-48	N/A	Xx18	9	1	1	--	BUS STOP
2-49	D3-1	Xx12	--	1	1	--	N FEW ST
2-50	D3-1	Xx12	--	1	--	--	E JOHNSON ST
2-51	N/A	Xx18	--	1	--	STREET LIGHT	BUS STOP
2-52	N/A	Xx18	9	1	1	--	BUS STOP
2-53	D3-1	--	--	1	--	1-214, 1-216	E JOHNSON ST
2-54	D3-1	--	--	1	--	--	E JOHNSON ST
2-55	D3-1	--	--	1	--	--	E JOHNSON ST
CITY FURNISHED SIGNS TOTALS			80	55	11		

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

PAVEMENT MARKING EPOXY

STATION	TO	STATION	LOCATION	646.0106 4-INCH (WHITE) (LF)	646.0106 4-INCH (YELLOW) (LF)	646.0116 6-INCH (WHITE) (LF)	646.0126 8-INCH (WHITE) (LF)	647.0166 ARROWS TYPE II (EACH)	647.0206 ARROWS BIKE LANE (EACH)	647.0356 WORDS (EACH)	647.0306 SYMBOLS BIKE LANE (EACH)	647.0576 STOP LINE 24-INCH (LF)	647.0766 CROSSWALK 6-INCH (LF)	647.0776 CROSSWALK 12-INCH (LF)	647.0606 ISLAND NOSE (EACH)	647.0786 CROSSWALK 18-INCH (LF)	647.0456 CURB (LF)
10+60	-	16+00	EAST JOHNSON STREET	290	-	903	-	-	3	-	3	37	-	218	-	132	-
16+00	-	22+00	EAST JOHNSON STREET	-	-	1047	173	1	2	2	2	33	-	271	-	-	-
22+00	-	29+00	EAST JOHNSON STREET	-	-	1136	-	-	1	-	1	34	-	135	-	-	-
29+00	-	35+00	EAST JOHNSON STREET	-	-	1303	-	-	1	-	1	-	-	122	-	-	-
35+00	-	42+00	EAST JOHNSON STREET	-	-	1027	-	-	1	-	1	33	-	131	-	120	-
42+00	-	46+00	EAST JOHNSON STREET	-	-	886	-	-	-	-	-	-	-	-	-	-	-
46+00	-	52+00	EAST JOHNSON STREET	-	-	1347	-	-	1	-	1	-	-	121	-	-	-
52+00	-	59+00	EAST JOHNSON STREET	-	-	1219	-	-	1	-	1	25	-	111	-	-	-
59+00	-	65+00	EAST JOHNSON STREET	-	-	820	30	-	2	-	2	-	-	118	-	-	-
65+00	-	69+55	EAST JOHNSON STREET	-	-	250	50	-	3	-	3	28	-	-	-	240	-
10+50	-	12+40	HAMILTON STREET	-	186	-	63	-	-	-	-	31	121	-	-	-	328
11+30	-	11+70	BUTLER STREET	-	182	-	-	-	-	-	-	23	111	-	-	-	-
14+60	-	15+00	HANCOCK STREET	-	-	-	-	-	-	-	-	20	107	-	-	-	230
17+25	-	17+65	FRANKLIN STREET	-	-	-	-	-	-	-	-	25	125	-	-	-	220
20+60	-	20+95	BLAIR STREET	-	-	10	-	-	-	-	-	11	57	-	-	130	212
27+20	-	27+60	BLOUNT STREET	-	-	-	-	-	-	-	-	27	122	-	-	-	176
33+80	-	34+20	LIVINGSTON STREET	-	-	-	-	-	-	-	-	30	132	-	-	-	235
40+40	-	40+80	PATERSON STREET	-	-	-	-	-	-	-	-	31	139	-	-	-	230
47+00	-	47+40	BREARLY STREET	-	-	-	-	-	-	-	-	28	128	-	-	-	212
53+70	-	54+00	INGERSOLL STREET	-	-	-	-	-	-	-	-	25	102	-	-	-	210
60+30	-	60+60	FEW STREET	-	-	-	-	-	-	-	-	27	112	-	-	-	188
66+80	-	67+30	BALDWIN STREET	-	-	-	-	-	-	-	-	36	158	-	2	-	300
66+50	-	69+30	GORHAM STREET	-	-	120	121	-	-	-	-	40	-	56	-	264	-
			TOTALS	290	368	10068	437	1	15	2	15	544	1414	1283	2	886	2541

TRAFFIC CONTROL DEVICES

STAGE	STATION	TO	STATION	LOCATION	643.0300 DRUMS (DAYS)	643.0420 BARRICADES TYPE III (DAYS)	643.0715 WARNING LIGHTS TYPE C (DAYS)	643.0705 WARNING LIGHTS TYPE A (DAYS)	643.0800 ARROW BOARDS (DAYS)	643.0900 TRAFFIC CONTROL SIGNS (DAYS)	643.1000 TRAFFIC CONTROL SIGNSFIXED MESSAGE (SF)	603.8000 DELIVER TEMPORARY CONCRETE BARRIER (LF)	603.8125 INSTALL TEMPORARY CONCRETE BARRIER (LF)
STAGE 1	10+00	-	70+90	EAST JOHNSON STREET	1554	343	70	686	14	378	-	-	-
STAGE 2A	10+00	-	70+90	EAST JOHNSON STREET	6405	1596	1470	3192	63	2499	-	508	508
STAGE 2B	10+00	-	70+90	EAST JOHNSON STREET	4242	910	910	1820	42	1666	-	-	48
STAGE 2C	10+00	-	70+90	EAST JOHNSON STREET	9275	2100	1365	4200	105	3990	-	-	100
STAGE 2D	10+00	-	70+90	EAST JOHNSON STREET	3948	1218	658	2436	42	1694	-	-	-
STAGE 3	10+00	-	70+90	EAST JOHNSON STREET	16128	4200	1176	8400	168	7980	-	-	488
STAGE 4	10+00	-	70+90	EAST JOHNSON STREET	1526	357	126	714	14	623	-	-	-
				UNDISTRIBUTED, PROJECT	-	-	-	-	-	-	160	-	-
	TOTALS				43078	10724	5775	21448	448	18830	160	508	1144

NOTE: ALL ITEMS ON THIS SHEET ARE CATEGORY 0010

CONDUIT (LIGHTING)

CATEGORY	FROM	TO	652.0235 SCHEDULE 40 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0325 SCHEDULE 80 2" (LF)	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (LF)	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (LF)	COMMENT
0030	HH1	HH2	-	22	-	64	192	1-2"
	HH2	SL478	-	6	-	32	96	1-2"
	HH2	HH8	-	-	52	124	372	1-2"
	HH8	SL5516	11	-	-	42	126	1-3"
	SL5516	BUTLER LIMIT	-	46	-	-	-	1-2"
	HH8	LC1	-	10	45	130	390	1-2"
	HH3	SL1766	-	29	-	78	234	1-2"
	HH3	HH4	-	51	-	61	183	1-2"
	HH4	HH6	-	12	30	52	156	1-2"
	HH6	SL5517	11	-	-	42	126	1-3"
	SL5517	BUTLER LIMIT	-	7	-	-	-	1-2"
	HH6	SL1766-1	10	-	-	20	60	1-3"
	SL1766-1	HH7	-	20	-	30	90	1-2"
	HH6	HH10	-	32	35	-	-	1-2"
	LC1	BUTLER LIMIT	-	16	-	-	-	1-2"
	LC1	HH9	-	53	-	126	378	1-2"
	HH9	SL1767	6	-	-	32	96	1-3"
	HH9	HH10	-	0	60	70	210	1-2"
	HH10	P587	-	33	-	43	129	1-2"
	P587	P589	-	116	-	126	378	1-2"
	P589	SL1768	-	79	-	89	267	1-2"
	HH9	P588	-	57	40	107	321	1-2"
	P588	P590	-	56	45	111	333	1-2"
	P590	SL1769	-	58	73	-	-	1-2"
	SL1768	P591	-	61	55	-	-	1-2"
	P591	P593	-	84	-	94	282	1-2"
	P593	SL1770	-	81	-	91	273	1-2"
	SL1770	P595	-	75	75	160	480	1-2"
	SL1769	P592	-	70	15	95	285	1-2"
	P592	P594	-	59	15	84	252	1-2"
	P594	SL1771	-	119	70	199	597	1-2"
	P595	P597	-	89	15	114	342	1-2"
	9597	HH20	-	59	25	94	282	1-2"
	HH20	SL1773	8	-	-	36	108	1-3"
	HH20	HH19	-	-	42	104	312	1-2"
	SL1771	P596	-	84	40	134	402	1-2"
	P596	P598	-	70	25	105	315	1-2"
	P598	HH19	-	50	-	60	180	1-2"
	HH19	SC2	43	-	-	159	477	1-3"
	HH20	HH22	-	19	62	91	273	1-2"
	SC2	HH23	-	-	51	61	183	1-2"
	HH23	SL1776	-	5	-	30	90	1-2"
	HH23	HH24	-	31	-	41	123	1-2"
	HH22	SL1784	10	-	-	40	120	1-3"
	HH22	1775 ON BLAIR	-	41	-	120	360	1-2"
	HH22	P599	-	55	-	65	195	1-2"
	P599	P601	-	109	-	119	357	1-2"
	P601	P603	-	109	-	119	357	1-2"
	P603	P605	-	78	30	118	354	1-2"
	P605	P607	-	98	15	123	369	1-2"
	P607	P609	-	50	50	110	330	1-2"
	P609	HH28	-	14	-	-	-	1-2"
	HH28	HH31	-	27	54	91	273	1-2"
		SUBTOTAL	99	2240	1019	4036	12108	

CONDUIT (LIGHTING)

CATEGORY	FROM	TO	652.0235 SCHEDULE 40 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0325 SCHEDULE 80 2" (LF)	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (LF)	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (LF)	COMMENT
0030	HH28	HH27	-	0	42	52	156	1-2"
	HH24	P600	-	103	0	113	339	1-2"
	P600	P602	-	82	35	127	381	1-2"
	P602	P604	-	85	30	125	375	1-2"
	P604	P606	-	68	15	93	279	1-2"
	P606	P608	-	73	45	128	384	1-2"
	P608	HH27	-	37	40	-	-	1-2"
	HH27	LC3	44	-	-	108	324	1-3"
	LC3	SL1788	-	10	-	20	60	1-2"
	HH27	HH33	-	17	65	92	276	1-2"
	HH31	SL1789	9	-	-	38	114	1-3"
	HH33	P611	-	93	-	103	309	1-2"
	HH31	P610	-	60	-	70	210	1-2"
	P610	P612	-	88	35	133	399	1-2"
	P612	P614	-	91	15	116	348	1-2"
	P614	P616	-	75	30	115	345	1-2"
	P616	P618	-	83	20	113	339	1-2"
	P618	SL1793	-	82	25	117	351	1-2"
	P611	P613	-	79	25	114	342	1-2"
	P613	P615	-	80	30	120	360	1-2"
	P615	P617	-	93	30	133	399	1-2"
	P617	P619	-	88	15	113	339	1-2"
	P619	SL1794	-	74	66	-	-	1-2"
	SL1793	HH38	-	29	57	-	-	1-2"
	HH38	P620	-	56	-	-	-	1-2"
	P620	P622	-	77	30	117	351	1-2"
	P622	P624	-	100	15	125	375	1-2"
	P624	P626	-	94	25	129	387	1-2"
	P626	P628	-	72	35	117	351	1-2"
	P628	P630	-	52	50	112	336	1-2"
	SL1794	P621	-	104	0	114	342	1-2"
	P621	P623	-	84	25	119	357	1-2"
	P623	SB4	-	71	15	96	288	1-2"
	SB4	P625	-	15	0	25	75	1-2"
	P625	P627	-	78	45	133	399	1-2"
	P627	P629	-	77	50	137	411	1-2"
	P629	HH43	-	39	-	49	147	1-2"
	P630	HH48	-	24	60	94	282	1-2"
	HH43	HH44	-	45	-	55	165	1-2"
	HH44	SL1798	13	-	-	46	138	1-3"
	HH4	LC4	-	-	47	57	171	1-2"
	LC4	HH49	44	-	-	162	486	1-3"
	HH48	HH49	-	-	43	106	318	1-2"
	HH48	SL1799	6	-	-	32	96	1-3"
	HH48	P632	-	84	15	109	327	1-2"
	HH49	P631	-	19	-	29	87	1-2"
	P631	P633	-	52	30	92	276	1-2"
	P635	P637	-	100	20	130	390	1-2"
	P637	P639	-	108	15	133	399	1-2"
	P639	P640	-	82	15	107	321	1-2"
		SUBTOTAL	116	2923	1155	4568	13704	

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CONDUIT (LIGHTING)

CATEGORY	FROM	TO	652.0235 SCHEDULE 40 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0325 SCHEDULE 80 2" (LF)	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (LF)	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (LF)	COMMENT
0030								
	P640	SL1803	-	70	-	80	240	1-2"
	P633	P634	-	57	35	102	306	1-2"
	P634	P636	-	77	50	137	411	1-2"
	P636	P638	-	93	15	118	354	1-2"
	P638	P641	-	99	30	139	417	1-2"
	P641	SL1804	-	47	81	-	-	1-2"
	SL1803	HH54	-	14	62	-	-	1-2"
	HH54	P642	-	44	0	-	-	1-2"
	P642	P644	-	97	15	122	366	1-2"
	P644	P646	-	73	55	138	414	1-2"
	P646	P648	-	90	30	130	390	1-2"
	P648	P650	-	73	30	113	339	1-2"
	P650	HH59	-	65	35	110	330	1-2"
	SL1804	P643	-	88	-	98	294	1-2"
	P643	P645	-	95	40	145	435	1-2"
	P645	P647	-	67	55	132	396	1-2"
	P647	SB6	-	44	20	74	222	1-2"
	SB6	P649	-	44	15	69	207	1-2"
	P649	P651	-	77	30	117	351	1-2"
	P651	HH61	-	39	0	49	147	1-2"
	HH59	HH65	-	26	54	90	270	1-2"
	HH61	HH62	-	47	-	57	171	1-2"
	HH62	SL1808	18	-	-	56	168	1-3"
	HH62	LC5	-	9	35	54	162	1-2"
	LC5	HH63	44	-	-	162	486	1-3"
	HH63	HH65	-	-	40	100	300	1-2"
	HH65	SL1809	7	-	-	34	102	1-3"
	HH65	P653	-	85	-	95	285	1-2"
	P653	P654	-	95	15	120	360	1-2"
	P654	P656	-	82	30	122	366	1-2"
	P656	P659	-	94	15	119	357	1-2"
	P659	P660	-	78	35	123	369	1-2"
	P660	SL1813	-	61	15	86	258	1-2"
	HH63	P652	-	67	15	92	276	1-2"
	P652	P655	-	78	45	133	399	1-2"
		SUBTOTAL	69	2075	897	3316	9948	

CONDUIT (LIGHTING)

CATEGORY	FROM	TO	652.0235 SCHEDULE 40 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0325 SCHEDULE 80 2" (LF)	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (LF)	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (LF)	COMMENT
0030								
	P652	P655	-	78	45	133	399	1-2"
	P655	P657	-	75	30	115	345	1-2"
	P657	P658	-	92	15	117	351	1-2"
	P658	P661	-	99	15	124	372	1-2"
	P661	SB7	-	47	15	0	0	1-2"
	SB7	SL1814	-	37	57	0	0	1-2"
	SL1813	P662	-	62	60	0	0	1-2"
	P662	P664	-	43	50	103	309	1-2"
	P664	P666	-	79	35	124	372	1-2"
	P666	P668	-	116	0	126	378	1-2"
	P668	P670	-	140	0	150	450	1-2"
	P670	HH77	-	87	0	97	291	1-2"
	SL1814	P663	-	103	0	113	339	1-2"
	P663	P665	-	90	35	135	405	1-2"
	P665	P667	-	94	30	134	402	1-2"
	P667	P669	-	85	20	115	345	1-2"
	P669	P671	-	92	0	102	306	1-2"
	P671	HH75	-	55	0	65	195	1-2"
	HH77	SL3982	14	-	-	48	144	1-3"
	HH77	HH85	-	15	35	60	180	1-2"
	HH83	HH82	-	36	0	46	138	1-2"
	HH83	SL3979	-	7	0	17	51	1-2"
	HH80	HH82	-	0	50	60	180	1-2"
	HH75	HH77	-	0	50	60	180	1-2"
	HH75	HH76	-	42	-	104	312	1-2"
	HH76	SL3979	-	6	-	32	96	1-2"
	HH76	HH78	-	0	46	112	336	1-2"
	HH78	HH79	-	47	-	114	342	1-2"
	HH79	LC6	11	-	-	84	252	1-3"
	HH79	HH80	-	6	32	48	144	1-2"
	HH80	SL3977	7	-	-	34	102	1-3"
	HH85	SL3981 (EXISTING)	-	-	-	122	366	-
	HH82	SL3976 (EXISTING)	-	-	-	95	285	-
	HH79	SL3975 (EXISTING)	-	-	-	170	510	-
		SUBTOTAL	32	1633	620	2959	8877	
		PROJECT TOTAL	316	8793	3646	14746	44238	

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CONDUIT (SIGNALS)

CATEGORY	FROM	TO	652.0235 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0215 1.25" (LF)	652.0335 SCHEDULE 80 3" (LF)	652.0325 SCHEDULE 80 2" (LF)	COMMENT
0040	HH1	TS5	-	-	-	116	-	2-3"
	HH1	TS4	-	7	-	-	-	1-2"
	HH1	HH2	44	-	-	-	-	2-3"
	TS3	TS4	-	5	-	-	-	1-2"
	HH2	SL478	-	6	-	-	-	1-2"
	HH2	HH8	-	-	-	52	-	1-3"
	HH8	HAM LIMIT	22	-	-	-	-	1-3"
	HH8	TS2	-	14	-	-	-	1-2"
	HH8	SL5516	11	-	-	-	-	1-3"
	HH8	BUT LIMIT	60	-	-	-	-	1-3"
	HH8	TC1	26	-	-	90	-	2-3"
	HH3	TS5	-	7	-	-	-	1-2"
	HH3	HH4	51	-	-	-	-	1-3"
	HH4	TS6	-	8	-	-	-	1-2"
	HH4	HH5	-	-	24	-	-	1-1 1/4"
	HH4	BUT LIMIT	31	-	-	-	-	1-3"
	HH4	HH6	12	-	-	30	-	1-3"
	HH6	BUT LIMIT	19	-	-	-	-	1-3"
	HH6	SL5517	11	-	-	-	-	1-3"
	HH6	SL1766-1	10	-	-	-	-	1-3"
	HH6	HH7	30	30	-	-	-	1-3" & 1-2"
	HH6	HH10	64	-	-	70	-	2-3"
	HH3	HH10	105	-	-	276	-	3-3"
	HH10	TS8	-	6	-	-	-	1-2"
	HH10	TS7	-	29	-	-	-	1-2"
	HH10	HAM LIMIT	46	-	-	-	-	1-3"
	LC1	TC1	-	9	-	-	-	1-2"
	TC1	TS1	-	6	-	-	-	1-2"
	TC1	HH9	129	-	-	-	-	3-3"
	HH9	BUT LIMIT	65	-	-	-	-	1-3"
	HH1	HH9	-	-	-	396	-	3-3"
	HH9	SL1767	6	-	-	-	-	1-3"
	HH9	HH10	-	-	-	180	-	3-3"
	HH10	HH11	424	-	-	-	-	2-3"
	HH9	HH12	292	-	-	200	-	2-3"
	HH12	HH14	68	-	-	116	-	2-3"
	H12	HANCOCK LIM	50	-	-	-	-	1-3"
	HH11	HANCOCK LIM	52	-	-	-	-	1-3"
	HH11	HH13	48	-	-	110	-	2-3"
	HH13	HANCOCK LIM	58	-	-	-	-	1-3"
	HH13	HH14	-	-	-	43	-	1-3"
	HH13	HH15	384	-	-	-	-	2-3"
	HH15	FRANKLIN LIM	42	-	-	-	-	1-3"
	HH15	HH17	44	-	-	120	-	2-3"
	HH14	HH16	310	-	-	60	-	2-3"
	HH16	FRANKLIN LIM	52	-	-	-	-	1-3"
	HH16	HH18	56	-	-	110	-	2-3"
	HH17	FRANKLIN LIM	44	-	-	-	-	1-3"
	HH17	HH18	-	-	-	43	-	1-3"
	HH18	FRANKLIN LIM	32	-	-	-	-	1-3"
		SUBTOTAL	2698	127	24	2012	0	0

CONDUIT (SIGNALS)

CATEGORY	FROM	TO	652.0235 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0215 1.25" (LF)	652.0335 SCHEDULE 80 3" (LF)	652.0325 SCHEDULE 80 2" (LF)	COMMENT
0040	HH17	HH20	408	-	-	110	-	2-3"
	HH20	SL1773	8	-	-	-	-	1-3"
	HH20	HH21	40	-	-	-	-	1-3"
	HH21	TS11	-	7	-	-	-	1-2"
	HH21	BLAIR LIM	27	-	-	-	-	1-3"
	HH20	HH19	-	-	-	126	-	3-3"
	HH18	HH19	370	-	-	130	-	2-3"
	HH18-1	HH19	-	93	-	-	-	1-2"
	HH19	TS10	-	6	-	-	-	1-2"
	HH19	BLAIR LIM	42	-	-	-	-	1-3"
	HH19	TC2	96	-	-	-	-	3-3"
	TC2	SC2	-	9	-	-	-	1-2"
	TC2	TS9	-	7	-	-	-	1-2"
	HH20	HH22	57	-	-	186	-	3-3"
	HH19	HH24	63	-	-	180	-	3-3"
	TC2	HH23	-	-	-	98	-	2-3"
	HH23	BLAIR LIM	12	-	-	-	-	1-3"
	HH23	SL1776	-	5	-	-	-	1-2"
	HH23	HH24	62	-	-	-	-	2-3"
	HH24	TS12	6	-	-	-	-	1-3"
	HH24	HH22	-	-	-	84	-	2-3"
	HH22	SL1784	10	-	-	-	-	1-3"
	HH22	BLAIR LIM	41	-	-	-	-	1-3"
	HH22	HH25	602	-	-	-	-	2-3"
	HH25	HH28	384	-	-	190	-	2-3"
	HH28	TS14	-	7	-	-	-	1-2"
	HH28	HH29	43	-	-	-	-	1-3"
	HH29	TS15	-	4	-	-	-	1-2"
	HH29	BLAIR LIM	13	-	-	-	-	1-3"
	HH29	HH30	32	-	-	-	-	1-3"
	HH28	HH31	81	-	-	162	-	3-3"
	HH28	HH27	-	-	-	126	-	3-3"
	HH24	HH26	484	-	-	130	-	2-3"
	HH26	HH27	364	-	-	200	-	2-3"
	HH27	TS13	-	3	-	-	-	1-2"
	HH27	TC3	96	-	-	-	-	3-3"
	HH27	BLOUNT LIM	44	-	-	-	-	1-3"
	TC3	SL1788	-	4	-	-	-	1-2"
	TC3	LC3	-	9	-	-	-	1-2"
	TC3	HH32	94	-	-	-	-	2-3"
	HH27	HH33	51	-	-	195	-	3-3"
	HH31	SL1789	9	-	-	-	-	1-3"
	HH31	HH30	41	-	-	-	-	1-3"
	HH30	TS16	-	6	-	-	-	1-2"
	HH30	BLOUNT LIM	11	-	-	-	-	1-3"
	HH32	TS18	-	5	-	-	-	1-2"
	HH32	HH33	68	-	-	-	-	2-3"
	HH33	TS17	-	5	-	-	-	1-2"
	HH33	HH35	470	-	-	110	-	2-3"
	HH33	HH31	-	-	-	84	-	2-3"
		SUBTOTAL	4129	170	0	2111	0	0

CONDUIT (SIGNALS)

CATEGORY	FROM	TO	652.0235 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0215 1.25" (LF)	652.0335 SCHEDULE 80 3" (LF)	652.0325 2" (LF)	COMMENT
0040	HH31	HH34	482	-	-	130	-	2-3"
	HH34	HH36	448	-	-	120	-	2-3"
	HH35	HH37	490	-	-	90	-	2-3"
	HH37	LIVINGSTON LIM	36	-	-	-	-	1-3"
	HH37	HH39	36	-	-	132	-	2-3"
	HH36	LIVINGSTON LIM	42	-	-	-	-	1-3"
	HH36	HH38	46	-	-	114	-	2-3"
	HH38	LIVINGSTON LIM	34	-	-	-	-	1-3"
	HH38	HH39	-	-	-	36	-	1-3"
	HH39	LIVINGSTON LIM	45	-	-	-	-	1-3"
	HH38	HH40	544	-	-	90	-	2-3"
	HH40	HH45	320	-	-	220	-	2-3"
	HH39	HH41	554	-	-	110	-	2-3"
	SB4	HH39-1	-	-	-	-	40	1-2"
	HH41	HH43	410	-	-	160	-	2-3"
	HH42	HH43	-	63	-	-	15	1-2"
	HH45	HH43	-	-	-	84	-	2-3"
	HH45	HH46	74	-	-	-	-	2-3"
	HH46	TS21	-	4	-	-	-	1-2"
	HH46	PATERSON LIM	5	-	-	-	-	1-3"
	HH46	HH47	-	-	-	40	-	1-3"
	HH45	HH48	57	-	-	180	-	3-3"
	HH43	TS20	-	7	-	-	-	1-2"
	HH43	HH44	90	-	-	-	-	2-3"
	HH44	PATERSON LIM	4	-	-	-	-	1-3"
	HH44	TC4	-	-	-	92	-	2-3"
	LC4	TC4	-	9	-	-	-	1-2"
	TC4	TS19	-	5	-	-	-	1-2"
	TC4	HH49	108	-	-	-	-	3-3"
	HH49	PATERSON LIM	44	-	-	-	-	1-3"
	HH49	TS23	-	6	-	-	-	1-2"
	HH48	HH49	-	-	-	129	-	3-3"
	HH43	HH49	69	-	-	198	-	3-3"
	HH48	SL1799	6	-	-	-	-	1-3"
	HH48	HH47	66	-	-	-	-	2-3"
	HH47	TS22	-	6	-	-	-	1-2"
	HH48	HH51	560	-	-	100	-	2-3"
	HH49	HH50	380	-	-	160	-	2-3"
	P632	P635	-	92	-	-	15	1-2"
	HH51	HH52	456	-	-	60	-	2-3"
	HH50	HH53	474	-	-	160	-	2-3"
	HH53	BREARLY LIM	37	-	-	-	-	1-3"
	HH53	HH55	26	-	-	132	-	2-3"
	HH52	BREARLY LIM	60	-	-	-	-	1-3"
	HH52	HH54	42	-	-	124	-	2-3"
	HH54	HH55	-	-	-	35	-	1-3"
	HH55	BREARLY LIM	44	-	-	-	-	1-3"
	HH54	BREARLY LIM	43	-	-	-	-	1-3"
	HH54	HH57	450	-	-	170	-	2-3"
	HH57	HH59	398	-	-	160	-	2-3"
	HH55	HH56	456	-	-	160	-	2-3"
	HH56	HH61	398	-	-	160	-	2-3"
	HH58	HH61	-	84	-	-	15	1-2"
	HH59	TS26	-	6	-	-	-	1-2"
	HH59	HH60	43	-	-	-	-	1-3"
	HH60	TS27	-	5	-	-	-	1-2"
	HH60	INGER LIM	3	-	-	-	-	1-3"
	HH59	HH61	-	-	-	70	-	2-3"
	HH60	HH64	-	-	-	34	-	1-3"
		SUBTOTAL	7880	287	0	3450	85	

CONDUIT (SIGNALS)

CATEGORY	FROM	TO	652.0235 3" (LF)	652.0225 SCHEDULE 40 2" (LF)	652.0215 1.25" (LF)	652.0335 SCHEDULE 80 3" (LF)	652.0325 2" (LF)	COMMENT
0040	HH59	HH65	78	-	-	162	-	3-3"
	HH61	TS25	-	8	-	-	-	1-2"
	HH61	HH62	94	-	-	-	-	2-3"
	HH62	SL1808	18	-	-	-	-	1-3"
	HH61	HH63	45	-	-	195	-	3-3"
	HH62	TC5	16	-	-	70	-	2-3"
	TC5	LC5	-	9	-	-	-	1-2"
	TC5	TS24	-	8	-	-	-	1-2"
	TC5	HH63	102	-	-	-	-	3-3"
	HH63	INGER LIM	40	-	-	-	-	1-3"
	HH63	TS29	-	5	-	-	-	1-2"
	HH63	HH65	-	-	-	120	-	3-3"
	HH65	SL1809	7	-	-	-	-	1-3"
	HH65	HH64	80	-	-	-	-	2-3"
	HH64	TS28	-	11	-	-	-	1-2"
	HH64	INGER LIM	4	-	-	-	-	1-3"
	HH65	HH67	476	-	-	90	-	2-3"
	HH67	HH69	510	-	-	130	-	2-3"
	HH63	HH66	384	-	-	180	-	2-3"
	HH66	HH68	504	-	-	90	-	2-3"
	HH68	HH70	26	-	-	114	-	2-3"
	HH68	FEW LIM	40	-	-	-	-	1-3"
	HH69	HH71	6	-	-	120	-	2-3"
	HH69	FEW LIM	22	-	-	-	-	1-3"
	HH71	FEW LIM	36	-	-	-	-	1-3"
	HH70	FEW LIM	23	-	-	-	-	1-3"
	HH71	HH72	412	-	-	170	-	2-3"
	HH72	HH77	566	-	-	-	-	2-3"
	HH74	HH77	-	137	-	-	-	1-2"
	HH70	HH73	510	-	-	100	-	2-3"
	HH73	HH75	512	-	-	70	-	2-3"
	HH77	SL3982	14	-	-	-	-	1-3"
	HH77	HH85	30	-	-	70	-	2-3"
	HH77	HH80	-	-	-	99	-	1-3"
	HH85	TS33	5	-	-	-	-	1-3"
	HH85	TS34	-	9	-	-	-	1-2"
	HH85	HH84	70	-	-	-	-	2-3"
	HH84	TS35	-	5	-	-	-	1-2"
	HH85	HH82	24	-	-	246	-	3-3"
	HH84	HH83	-	-	-	40	-	1-3"
	HH83	HH82	72	-	-	-	-	2-3"
	HH83	SL3979	-	7	-	-	-	1-2"
	HH82	TS36	-	6	-	-	-	1-2"
	HH80	HH82	-	-	-	150	-	3-3"
	HH75	HH77	-	-	-	100	-	2-3"
	HH75	TS32	-	10	-	-	-	1-2"
	HH75	HH76	84	-	-	-	-	2-3"
	HH76	SL3979	-	6	-	-	-	1-2"
	HH75	HH79	42	-	-	225	-	3-3"
	HH76	HH78	-	-	-	92	-	2-3"
	HH78	TS31	-	15	-	-	-	1-2"
	HH78	HH79	94	-	-	-	-	2-3"
	HH79	TC6	18	-	-	-	-	3-3"
	TC6	LC6	-	9	-	-	-	1-2"
	TC6	TS30	11	-	-	-	-	1-3"
	HH79	HH80	18	-	-	96	-	3-3"
	HH80	SL3977	7	-	-	-	-	1-3"
	HH80	HH81	-	168	-	-	-	1-2"
		SUBTOTAL	5000	413	0	2729	0	
		PROJECT TOTAL	19707	997	24	10302	85	

CABLE & WIRE

CATEGORY	FROM	TO	655.0230 5-14 AWG (LF)	655.0240 7-14 AWG (LF)	655.0250 9-14 AWG (LF)	655.0260 12-14 AWG (LF)	655.0615 10 AWG (LF)	SPV.0090.33 LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)	SPV.0090.34 FIBER OPTIC CABLE 72-COUNT (LF)
0040									
	BUTLER / HAMILTON INTERSECTION								
	TC1	TS1	-	-	16	-	-	-	-
	TC1	SL5516	-	81	-	-	-	-	-
	TC1	TS2	-	-	84	-	-	-	-
	TC1	SL478	-	127	-	-	-	-	-
	TC1	TS4	-	-	161	-	-	-	-
	TS4	TS3	15	-	-	-	-	-	-
	TC1	TS5	217	-	-	-	-	-	-
	TC1	TS6	-	-	-	273	-	-	-
	TC1	SL1767	-	-	64	-	-	-	-
	TC1	TS8	-	-	129	-	-	-	-
	TC1	TS7	-	152	-	-	-	-	-
	TC1	SL1776-1	-	-	205	-	-	-	-
	TC1	SL5517	-	206	-	-	-	-	-
	TC1	HH9	-	-	-	-	-	-	53
	HH9	HH12	-	-	-	-	-	-	256
	HH12	HH14	-	-	-	-	-	-	141
	HH14	HH16	-	-	-	-	-	-	195
	System Ground		-	-	-	-	840	-	-
	System Neutral		-	-	-	-	840	-	-
	Detector loop lead-in		-	-	-	-	-	750	-
	BLAIR INTERSECTION								
	TC2	TS9	-	17	-	-	-	-	-
	TC2	TS10	-	32	-	-	-	-	-
	TC2	SL1773	102	-	-	-	-	-	-
	TC2	TS11	146	-	-	-	-	-	-
	TC2	SL1776	-	-	101	-	-	-	-
	TC2	TS12	-	-	138	-	-	-	-
	TC2	SL1784	-	-	189	-	-	-	-
	HH16	HH18	-	-	-	-	-	-	93
	HH18	HH19	-	-	-	-	-	-	260
	HH19	TC2	-	-	-	-	-	-	84
	HH19	HH24	-	-	-	-	-	-	91
	System Ground		-	-	-	-	550	-	-
	System Neutral		-	-	-	-	550	-	-
	Detector loop lead-in		-	-	-	-	-	410	-
		SUBTOTAL	480	615	1087	273	2780	1160	1173

CABLE & WIRE

CATEGORY	FROM	TO	655.0230 5-14 AWG (LF)	655.0240 7-14 AWG (LF)	655.0250 9-14 AWG (LF)	655.0260 12-14 AWG (LF)	655.0615 10 AWG (LF)	SPV.0090.33 LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)	SPV.0090.34 FIBER OPTIC CABLE 72-COUNT (LF)
0040									
	BLOUNT INTERSECTION								
	TC3	SL1788	14	-	-	-	-	-	-
	TC3	TS13	-	-	50	-	-	-	-
	TC3	TS14	101	-	-	-	-	-	-
	TC3	TS15	-	-	176	-	-	-	-
	TC3	TS18	-	-	67	-	-	-	-
	TC3	TS17	-	106	-	-	-	-	-
	TC3	SL1789	-	-	157	-	-	-	-
	TC3	TS16	200	-	-	-	-	-	-
	HH24	HH26	-	-	-	-	-	-	317
	HH26	HH27	-	-	-	-	-	-	292
	HH27	TC3	-	-	-	-	-	-	84
	HH27	HH33	-	-	-	-	-	-	92
	HH33	HH35	-	-	-	-	-	-	300
	HH35	HH37	-	-	-	-	-	-	300
	System Ground		-	-	-	-	550	-	-
	System Neutral		-	-	-	-	550	-	-
	Detector loop lead-in		-	-	-	-	-	145	-
	PATERSON INTERSECTION								
	TC4	TS19	-	-	15	-	-	-	-
	TC4	SL1798	-	74	-	-	-	-	-
	TC4	TS20	-	118	-	-	-	-	-
	TC4	TS21	-	-	-	199	-	-	-
	TC4	TS23	-	57	-	-	-	-	-
	TC4	SL1799	-	105	-	-	-	-	-
	TC4	TS22	143	-	-	-	-	-	-
	HH37	HH39	-	-	-	-	-	-	94
	HH39	HH41	-	-	-	-	-	-	328
	HH41	HH43	-	-	-	-	-	-	310
	HH43	HH49	-	-	-	-	-	-	99
	HH49	TC4	-	-	-	-	-	-	92
	HH49	HH50	-	-	-	-	-	-	280
	HH50	HH53	-	-	-	-	-	-	327
	System Ground		-	-	-	-	400	-	-
	System Neutral		-	-	-	-	400	-	-
	Detector loop lead-in		-	-	-	-	-	460	-
		SUBTOTAL	458	460	465	199	1900	605	2915

CABLE & WIRE

CATEGORY	FROM	TO	655.0230 5-14 AWG (LF)	655.0240 7-14 AWG (LF)	655.0250 9-14 AWG (LF)	655.0260 12-14 AWG (LF)	655.0615 10 AWG (LF)	SPV.0090.33 LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)	SPV.0090.34 FIBER OPTIC CABLE 72-COUNT (LF)
0040									
	INGERSOLL INTERSECTION								
	TC5	TS24	-	-	18	-	-	-	-
	TC5	SL1808	-	76	-	-	-	-	-
	TC5	TS25	-	118	-	-	-	-	-
	TC5	TS26	156	-	-	-	-	-	-
	TC5	TS27	203	-	-	-	-	-	-
	TC5	TS29	-	-	54	-	-	-	-
	TC5	SL1809	-	101	-	-	-	-	-
	TC5	TS28	-	150	-	-	-	-	-
	HH53	HH55	-	-	-	-	-	-	89
	HH55	HH56	-	-	-	-	-	-	318
	HH56	HH61	-	-	-	-	-	-	289
	HH61	HH63	-	-	-	-	-	-	90
	HH63	TC5	-	-	-	-	-	-	88
	HH63	HH66	-	-	-	-	-	-	292
	HH66	HH68	-	-	-	-	-	-	307
	System Ground		-	-	-	-	550	-	-
	System Neutral		-	-	-	-	550	-	-
	Detector loop lead-in		-	-	-	-	-	290	-
	BALDWIN INTERSECTION								
	TC6	TS30	-	-	-	21	-	-	-
	TC6	TS31	-	-	88	-	-	-	-
	TC6	SL3979	130	-	-	-	-	-	-
	TC6	TS32	-	-	-	181	-	-	-
	TC6	SL3982	-	-	-	240	-	-	-
	TC6	SL3977	-	-	-	71	-	-	-
	TC6	TS36	-	-	125	-	-	-	-
	TC6	SL3978	-	167	-	-	-	-	-
	TC6	TS33	-	-	-	219	-	-	-
	TS33	TS34	29	-	-	-	-	-	-
	TC6	TS35	-	-	-	259	-	-	-
	HH68	HH70	-	-	-	-	-	-	80
	HH70	HH73	-	-	-	-	-	-	315
	HH73	HH75	-	-	-	-	-	-	301
	HH75	HH79	-	-	-	-	-	-	99
	HH79	TC6	-	-	-	-	-	-	13
	System Ground		-	-	-	-	720	-	-
	System Neutral		-	-	-	-	720	-	-
	Detector loop lead-in		-	-	-	-	-	1500	-
	SUBTOTAL		518	612	285	991	2540	1790	2281
	PROJECT TOTAL		1456	1687	1837	1463	7220	3555	6369

CABLE TRAFFIC SIGNAL

CATEGORY	AT POLE #	TO HEAD #	655.0230 5-14 AWG (LF)	655.0240 7-14 AWG (LF)
0040				
	BUTLER/HAMILTON/JOHNSON INTERSECTION			
	TS1	1	15	-
	TS1	2	15	-
	TS1	3	10	-
	SL5516	4	15	-
	SL5516	5	10	-
	TS2	6	15	-
	TS2	7	10	-
	TS2	8	15	-
	SL478	9	15	-
	SL478	10	10	-
	TS3	11	10	-
	TS4	12	15	-
	TS6	13	15	-
	TS6	14	10	-
	TS6	15	15	-
	TS6	16	10	-
	SL5517	17	15	-
	SL5517	18	10	-
	SL1766-1	19	10	-
	SL1766-1	20	15	-
	SL1766-1	21	15	-
	TS7	22	15	-
	TS7	23	10	-
	TS8	24	10	-
	TS8	25	15	-
	SL1767	26	50	-
	SL1767	27	10	-
	BLAIR/JOHNSON INTERSECTION			
	TS9	1	15	-
	TS9	2	10	-
	TS10	3	10	-
	TS10	4	15	-
	SL1773	5	10	-
	SL1773	6	10	-
	TS11	7	15	-
	SL1784	8	10	-
	SL1784	9	15	-
	SL1784	10	10	-
	TS12	11	50	-
	TS12	12	40	-
	TS12	13	10	-
	SL1776	14	10	-
	SL1776	15	15	-
	SUBTOTAL		625	

CABLE TRAFFIC SIGNAL

CATEGORY	AT POLE #	TO HEAD #	655.0230 5-14 AWG (LF)	655.0240 7-14 AWG (LF)
0040				
	BLOUNT/JOHNSON INTERSECTION			
	SL1788	1	15	-
	TS13	2	10	-
	TS13	3	10	-
	TS13	4	15	-
	TS14	5	10	-
	TS15	6	15	-
	TS15	7	10	-
	TS15	8	15	-
	TS16	9	15	-
	SL1789	10	10	-
	SL1789	11	15	-
	SL1789	12	10	-
	TS17	13	50	-
	TS17	14	10	-
	TS18	15	10	-
	TS18	16	15	-
	TS18	17	15	-
	PATERSON/JOHNSON INTERSECTION			
	TS19	1	15	-
	TS19	2	15	-
	TS19	3	10	-
	SL1798	4	15	-
	SL1798	5	10	-
	TS20	6	10	-
	TS20	7	15	-
	TS21	8	15	-
	TS21	9	10	-
	TS21	10	10	-
	TS21	11	15	-
	TS22	12	10	-
	TS22	13	15	-
	SL1799	14	15	-
	SL1799	15	10	-
	TS23	16	50	-
	TS23	17	10	-
	SUBTOTAL		500	0

CABLE TRAFFIC SIGNAL

CATEGORY	AT POLE #	TO HEAD #	655.0230 5-14 AWG (LF)	655.0240 7-14 AWG (LF)
0040				
	INGERSOLL/JOHNSON INTERSECTION			
	TS24	1	15	-
	TS24	2	15	-
	SL1808	3	15	-
	SL1808	4	10	-
	TS25	5	10	-
	TS25	6	15	-
	TS26	7	10	-
	TS27	8	15	-
	TS27	9	10	-
	TS27	10	15	-
	TS28	11	15	-
	TS28	12	10	-
	SL1809	13	10	-
	SL1809	14	15	-
	TS29	15	50	-
	TS29	16	10	-
	TS29	17	10	-
	BALDWIN/JOHNSON INTERSECTION			
	TS30	1	60	-
	TS30	2	50	-
	TS30	3	10	-
	TS31	4	10	-
	TS31	5	15	-
	TS31	6	15	-
	SL3979	7	15	-
	TS32	8	10	-
	TS32	9	10	-
	TS32	10	15	-
	SL3982	11	-	15
	SL3982	12	10	-
	SL3982	13	-	15
	SL3982	14	10	-
	TS33	15	60	-
	TS33	16	50	-
	TS35	17	10	-
	TS35	18	15	-
	TS35	19	10	-
	TS35	20	15	-
	SL3978	21	15	-
	SL3978	22	10	-
	TS36	23	10	-
	TS36	24	15	-
	SL3977	25	-	15
	SL3977	26	10	-
	SL3977	27	-	15
	SL3977	28	10	-
	SUBTOTAL		710	60
	PROJECT TOTAL		1835	60

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.066 ELECTRICAL PULLBOX TYPE 1 EACH	SPV.0060.067 ELECTRICAL PULLBOX TYPE 3 EACH	SPV.0060.068 ELECTRICAL PULLBOX TYPE 5 EACH	SPV.0060.069 ELECTRIC UTILILIY ACCESS STRUCTURE EACH
0040	HH1	10+68.43	19.72' RT	-	-	-	1
	HH2	10+79.10	38.62' RT	-	-	1	-
	HH3	11+08.77	21.76' LT	-	-	-	1
	HH4	11+40.50	50.82' LT	-	-	1	-
	HH5	11+35.41	73.50' LT	-	1	-	-
	HH6	11+79.44	62.95' LT	-	-	-	1
	HH7	12+02.48	81.75' LT	1	-	-	-
	HH8	11+23.71	63.50' RT	-	-	-	1
	HH9	11+99.45	23.38' RT	-	-	-	1
	HH10	12+34.09	24.87' LT	-	-	-	1
	HH11	14+40.84	18.86' LT	1	-	-	-
	HH12	14+45.84	23.27' RT	1	-	-	-
	HH13	15+18.81	18.90' LT	1	-	-	-
	HH14	15+22.90	23.30' RT	1	-	-	-
	HH15	17+05.10	18.77' LT	1	-	-	-
	HH16	17+07.53	23.27' RT	1	-	-	-
	HH17	17+86.75	18.82' LT	1	-	-	-
	HH18	17+89.63	23.36' RT	1	-	-	-
	HH18-1	19+45.16	23.29' RT	-	1	-	-
	HH19	20+37.63	23.38' RT	-	-	-	1
	HH20	20+39.15	18.95' LT	-	-	-	1
	HH21	20+62.65	39.70' LT	1	-	-	-
	HH22	21+19.81	20.87' LT	-	-	-	1
	HH23	21+01.13	34.57' RT	-	-	1	-
	HH24	21+18.03	20.88' RT	-	-	-	1
	HH25	24+15.73	26.75' LT	1	-	-	-
	HH26	24+22.88	20.75' RT	1	-	-	-
	HH27	27+01.61	20.89' RT	-	-	-	1
	HH28	26+97.57	20.83' LT	-	-	-	1
	HH29	27+24.43	41.40' LT	1	-	-	-
	HH30	27+55.95	43.30' LT	1	-	-	-
	HH31	27+78.78	20.90' LT	-	-	-	1
	HH32	27+60.16	37.97' RT	-	-	1	-
	HH33	27+82.67	20.90' RT	-	-	-	1
	HH34	30+81.41	26.75' LT	1	-	-	-
	HH35	30+72.70	20.75' RT	1	-	-	-
	HH36	33+60.08	20.80' LT	1	-	-	-
	HH37	33+60.71	20.77' RT	1	-	-	-
	HH38	34+39.35	20.75' LT	1	-	-	-
	HH39	34+43.47	14.81' RT	1	-	-	-
	HH39-1	37+22.74	23.50' LT	-	1	-	-
	HH40	37+51.66	20.76' LT	1	-	-	-
	HH41	37+73.20	14.76' RT	1	-	-	-
	HH42	39+35.85	20.80' RT	-	1	-	-
	HH43	40+13.57	20.86' RT	-	-	-	1
			SUBTOTAL	22	4	4	15

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.066 ELECTRICAL PULLBOX TYPE 1 EACH	SPV.0060.067 ELECTRICAL PULLBOX TYPE 3 EACH	SPV.0060.068 ELECTRICAL PULLBOX TYPE 5 EACH	SPV.0060.069 ELECTRIC UTILILIY ACCESS STRUCTURE EACH
0040	HH44	40+40.23	42.48' RT	-	-	-	1
	HH45	40+17.24	20.71' LT	-	-	1	-
	HH46	40+40.90	38.32' LT	1	-	-	-
	HH47	40+80.41	43.02' LT	1	-	-	-
	HH48	40+96.06	21.70' LT	-	-	-	1
	HH49	41+02.76	20.83' RT	-	-	-	1
	HH50	43+70.55	20.75' RT	1	-	-	-
	HH51	44+23.93	26.76' LT	1	-	-	-
	HH52	46+77.78	21.93' LT	1	-	-	-
	HH53	46+84.33	20.82' RT	1	-	-	-
	HH54	47+60.04	19.80' LT	1	-	-	-
	HH55	47+62.60	14.82' RT	1	-	-	-
	HH56	50+68.20	20.75' RT	1	-	-	-
	HH57	50+68.63	24.75' LT	1	-	-	-
	HH58	52+46.67	20.75' RT	-	1	-	-
	HH59	53+44.26	19.75' LT	-	-	-	1
	HH60	53+68.04	43.50' LT	1	-	-	-
	HH61	53+44.93	15.00' RT	-	-	-	1
	HH62	53+67.86	43.00' RT	-	-	1	-
	HH63	54+24.08	20.77' RT	-	-	-	1
	HH64	54+01.28	42.48' LT	1	-	-	-
	HH65	54+23.59	19.80' LT	-	-	-	1
	HH66	57+04.83	20.75' RT	1	-	-	-
	HH67	57+04.76	24.77' LT	1	-	-	-
	HH68	59+99.71	21.75' RT	1	-	-	-
	HH69	60+22.09	21.35' LT	1	-	-	-
	HH70	60+69.06	19.44' RT	1	-	-	-
	HH71	60+84.20	19.90' LT	1	-	-	-
	HH72	63+73.04	19.27' LT	1	-	-	-
	HH73	63+72.78	20.26' RT	1	-	-	-
	HH74	65+16.50	23.57' LT	-	1	-	-
	HH75	66+62.90	21.80' RT	-	-	-	1
	HH76	66+84.09	50.19' RT	-	-	-	1
	HH77	66+51.81	26.14' LT	-	-	-	1
	HH78	67+29.96	50.57' RT	-	-	-	1
	HH79	67+51.21	19.56' RT	-	-	-	1
	HH80	67+49.93	18.53' LT	-	-	-	1
	HH81	69+17.05	29.74' LT	-	1	-	-
	HH82	67+43.94	68.28' LT	-	-	1	-
	HH83	67+19.92	88.36' LT	1	-	-	-
	HH84	66+80.60	90.00' LT	1	-	-	-
	HH85	66+55.23	75.32' LT	-	-	1	-
			SUBTOTAL	22	3	4	13
			PROJECT TOTAL	44	7	8	28

CONCRETE BASE (SIGNALS)

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.070 TYPE G EACH	SPV.0060.072 TYPE LB-3 EACH	SPV.0060.073 TYPE LB-8 EACH	SPV.0060.074 TYPE P EACH	SPV.0060.076 OFFSET EACH	654.0110 TYPE 10 EACH	SPV.0060.077 TRANSFORMER BASE, STEEL 16-INCH EACH	SPV.0060.078 TRANSFORMER BASE, STEEL 20-INCH EACH	COMMENTS
0040	TS5	11+14.68	25.46' LT	1	-	-	-	-	-	-	-	-
	TS6	11+35.33	45.20' LT	1	-	-	-	-	-	-	-	-
	TS4	10+74.93	20.73' RT	1	-	-	-	-	-	-	-	-
	TS3	10+79.00	22.86' RT	1	-	-	-	-	-	-	-	-
	SL478	10+75.00	42.00' RT	-	-	-	-	-	-	1	-	EXISTING BASE
	TS2	11+13.10	72.65' RT	1	-	-	-	-	-	-	-	-
	SL5516	11+31.84	70.00' RT	-	1	-	-	-	-	1	-	-
	SL5517	11+71.81	70.00' LT	-	1	-	-	-	-	1	-	-
	SL1766-1	11+87.84	68.50' LT	-	1	-	-	-	-	1	-	-
	TS1	11+73.52	40.40' RT	1	-	-	-	-	-	-	-	-
	TC1	11+76.63	45.29' RT	-	-	-	1	-	-	-	-	-
	SL1767	11+94.11	24.50' RT	-	-	1	-	-	-	-	1	15" BOLT CIRCLE
	TS7	12+18.56	41.19' LT	1	-	-	-	-	-	-	-	-
	TS8	12+29.00	27.02' LT	1	-	-	-	-	-	-	-	-
	SL1773	20+41.47	26.50' LT	-	1	-	-	-	-	1	-	-
	TS11	20+55.91	37.89' LT	1	-	-	-	-	-	-	-	-
	TS10	20+43.52	24.57' RT	1	-	-	-	-	-	-	-	-
	TS9	20+54.62	33.61' RT	1	-	-	-	-	-	-	-	-
	TC2	20+54.96	40.08' RT	-	-	-	1	-	-	-	-	-
	SL1784	21+12.93	28.13' LT	-	1	-	-	-	-	1	-	-
	SL1776	21+04.86	31.68' RT	-	1	-	-	-	-	1	-	-
	TS12	21+12.75	22.02' RT	-	-	-	-	-	1	-	-	-
	TS14	27+03.20	24.00' LT	1	-	-	-	-	-	-	-	-
	TS15	27+21.20	39.20' LT	1	-	-	-	-	-	-	-	-
	TS13	27+04.38	22.18' RT	1	-	-	-	-	-	-	-	-
	SL1788	27+17.78	39.75' RT	-	1	-	-	-	-	1	-	-
	TC3	27+13.82	40.16' RT	-	-	-	1	-	-	-	-	-
	TS18	27+63.00	34.48' RT	1	-	-	-	-	-	-	-	-
	TS17	27+78.67	22.89' RT	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	TS16	27+59.25	39.17' LT	1	-	-	-	-	-	-	-	-
	SL1789	27+72.21	26.29' LT	-	1	-	-	-	-	1	-	-
	TS21	40+38.62	41.62' LT	1	-	-	-	-	-	-	-	-
	TS20	40+19.76	22.50' RT	1	-	-	-	-	-	-	-	-
	SL1798	40+36.38	30.91' RT	-	1	-	-	-	-	1	-	-
	TC4	40+85.82	39.27' RT	-	-	-	1	-	-	-	-	-
	TS19	40+84.47	34.50' RT	1	-	-	-	-	-	-	-	-
	TS23	40+97.85	22.71' RT	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	TS22	40+82.83	38.59' LT	1	-	-	-	-	-	-	-	-
	SL1799	40+94.52	27.12' LT	-	1	-	-	-	-	1	-	-
	TS26	53+49.58	23.05' LT	1	-	-	-	-	-	-	-	-
	TS27	53+65.89	39.22' LT	1	-	-	-	-	-	-	-	-
	TS25	53+49.06	20.88' RT	1	-	-	-	-	-	-	-	-
	SL1808	53+60.38	32.15' RT	-	1	-	-	-	-	1	-	-
	TC5	54+09.51	39.44' RT	-	-	-	1	-	-	-	-	-
	TS24	54+03.15	34.91' RT	1	-	-	-	-	-	-	-	-
	TS29	54+19.26	22.52' RT	-	-	1	-	-	-	-	-	11" BOLT CIRCLE
	TS28	54+09.62	35.95' LT	1	-	-	-	-	-	-	-	-
	SL1809	54+18.91	24.61' LT	-	1	-	-	-	-	1	-	-
	SL3982	66+65.39	28.50' LT	-	1	-	-	-	-	1	-	-
	TS33	66+59.97	75.83' LT	-	-	-	-	-	1	-	-	-
	TS34	66+64.00	76.02' LT	1	-	-	-	-	-	-	-	-
	TS35	66+78.40	85.39' LT	-	-	-	-	-	-	-	-	EXISTING G BASE
	SL3978	67+23.05	81.90' LT	-	-	-	-	-	-	1	-	EXISTING LB-3
	TS36	67+38.33	70.04' LT	-	-	-	-	-	-	-	-	EXISTING G BASE
	SL3977	67+43.97	15.43' LT	-	1	-	-	-	-	1	-	-
	TS32	66+71.01	26.72' RT	1	-	-	-	-	-	-	-	-
	SL3979	66+82.34	45.50' RT	-	1	-	-	-	-	1	-	-
	TS31	67+32.92	36.70' RT	1	-	-	-	-	-	-	-	-
	TS30	67+41.05	24.34' RT	-	-	-	-	-	1	-	-	-
	TC6	67+52.04	25.33' RT	-	-	-	1	-	-	-	-	-
UNDISTRIBUTED				-	-	-	-	4	-	-	-	-
			TOTAL	28	15	4	6	0	3	17	1	

STREET LIGHTING

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.071 CONCRETE BASES TYPE LB-1 EACH	SPV.0060.072 CONCRETE BASES TYPE LB-3 EACH	SPV.0060.075 CONCRETE BASES TYPE M EACH	SPV.0060.094 PEDESTRIAN SCALE STREET LIGHT UNIT EACH	SPV.0060.063 POLES 30-FOOT 11 GAUGE EACH	SPV.0060.064 POLES 30-FOOT 7 GAUGE EACH	SPV.0060.097 COMMUNICATION NODES FOR PED SCALE STR LGT UNITS EACH	SPV.0060.098 COMMUNICATION NODES FOR NON-PED SCALE STR LGT UNITS EACH	SPV.0060.099 DIMMING CONTROL MODULE EACH	SPV.0060.061 LED LUMINAIRE AND MOUNTING BRACKET TYPE-1 EACH	SPV.0060.062 LED LUMINAIRE AND MOUNTING BRACKET TYPE-2 EACH	SPV.0090.32 ELECTRIAL WIRE LIGHTING 14-3 UF GROUNDED (LF)	COMMENTS
0030	SL1766	10+81.84	23.67' LT	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING
	SL478	10+75.00	42.00' RT	-	-	-	-	1	-	-	1	1	-	1	36	EXISTING BASE
	SL5516	11+31.84	70.00' RT	-	-	-	-	1	-	-	1	1	1	-	36	-
	SL5517	11+71.81	70.00' LT	-	-	-	-	1	-	-	1	1	1	-	36	-
	SL1766-1	11+87.84	68.50' LT	-	-	-	-	1	-	-	1	1	1	-	36	-
	SL1767	11+94.11	24.50' RT	-	-	-	-	-	1	-	1	1	-	1	36	-
	LC1	11+76.63	54.00' RT	-	-	1	-	-	-	-	-	-	-	-	-	-
	P587	12+60.81	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P588	12+92.42	24.50' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P589	13+71.59	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P590	13+87.73	24.50' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL1768	14+45.59	25.15' LT	-	-	-	-	-	1	-	1	1	1	-	36	-
	SL1769	15+17.35	24.50' RT	-	1	-	-	1	-	-	1	1	1	-	36	-
	P591	15+56.69	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P592	15+97.60	25.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P593	16+35.87	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P594	16+66.32	25.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL1770	17+11.64	22.00' LT	-	-	-	-	-	1	-	1	1	1	-	36	-
	SL1771	17+81.75	25.00' RT	-	1	-	-	1	-	-	1	1	1	-	36	-
	P595	18+59.07	26.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P596	19+00.29	25.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P597	19+58.00	26.18' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P598	19+90.28	25.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	LC2	20+55.24	48.79' RT	-	-	1	-	-	-	-	-	-	-	-	-	-
	SL1773	20+41.47	26.50' LT	-	-	-	-	1	-	-	1	1	1	-	36	-
	SL1784	21+12.93	28.13' LT	-	-	-	-	1	-	-	1	1	-	1	36	-
	SL1776	21+04.86	31.68' RT	-	-	-	-	1	-	-	1	1	1	-	36	-
	P599	21+71.25	28.90' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P600	22+16.30	22.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P601	22+75.00	29.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P602	23+27.83	22.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P603	23+79.00	29.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P604	24+38.50	22.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P605	24+81.87	29.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P606	25+15.94	22.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P607	25+89.77	29.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P608	26+29.18	22.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P609	26+84.85	26.09' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	LC3	27+13.84	48.88' RT	-	-	1	-	-	-	-	-	-	-	-	-	-
	SL1788	27+17.78	39.75' RT	-	-	-	-	1	-	-	1	1	1	-	36	-
			SUBTOTAL	23	2	3	23	10	3	23	13	36	10	3	859	0

				STREET LIGHTING												
				SPV.0060.071	SPV.0060.072	SPV.0060.075	SPV.0060.094	SPV.0060.063	SPV.0060.064	SPV.0060.097	SPV.0060.098	SPV.0060.099	SPV.0060.061	SPV.0060.062	SPV.0090.32	
					CONCRETE BASES		PEDESTRIAN SCALE STREET LIGHT UNIT	POLES		COMMUNICATION NODES						
								30-FOOT	30-FOOT	FOR PED SCALE	FOR NON-PED SCALE	DIMMING CONTROL	LED LUMINAIRE AND MOUNTING BRACKET		ELECTRIAL WIRE LIGHTING 14-3	
				TYPE LB-1	TYPE LB-3	TYPE M		11 GAUGE	7 GAUGE	STR LGT UNITS	STR LGT UNITS	MODULE	TYPE-1	TYPE-2	UF GROUNDED	
CATEGORY	STRUCTURE	STATION	OFFSET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	(LF)	COMMENTS
0030	SL1789	27+72.21	26.29' LT	-	-	-	-	1	-	-	1	1	1	-	36	-
	P610	28+36.77	23.50' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P611	28+71.95	23.20' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P612	29+54.63	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P613	29+81.00	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P614	30+55.70	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P615	30+86.14	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P616	31+56.14	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P617	32+04.50	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P618	32+54.36	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P619	33+02.91	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL1793	33+55.63	27.45' LT	-	-	-	-	-	1	-	1	1	1	-	36	-
	SL1794	34+38.40	18.00' RT	-	1	-	-	1	-	-	1	1	1	-	36	-
	P620	34+92.55	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P621	35+39.39	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P622	35+95.17	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P623	36+43.58	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P624	37+04.30	23.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P625	37+38.35	17.50' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P626	38+16.15	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P627	38+55.37	21.67' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P628	39+18.55	28.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P629	39+77.43	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P630	40+14.67	28.37' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL1798	40+36.38	30.91' RT	-	-	-	-	1	-	-	1	1	1	-	36	-
	SL1799	40+94.52	27.12' LT	-	-	-	-	1	-	-	1	1	1	-	36	-
	LC4	40+85.83	48.00' RT	-	-	1	-	-	-	-	-	-	-	-	-	-
	P631	41+19.36	22.60' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P632	41+91.95	27.07' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P633	41+97.05	22.57' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P634	42+84.60	22.44' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P635	42+94.53	29.05' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P636	44+07.92	22.50' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P637	44+10.00	28.83' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P638	45+11.66	22.82' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P639	45+28.34	28.50' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P640	46+20.36	28.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P641	46+35.91	22.73' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL1803	46+84.65	23.46' LT	-	-	-	-	-	1	-	1	1	1	-	36	-
	SL1804	47+58.38	19.66' RT	-	1	-	-	1	-	-	1	1	1	-	36	-
			SUBTOTAL	32	2	1	32	5	2	32	7	39	7	0	796	0

				STREET LIGHTING												
				SPV.0060.071	SPV.0060.072	SPV.0060.075	SPV.0060.094	SPV.0060.063	SPV.0060.064	SPV.0060.097	SPV.0060.098	SPV.0060.099	SPV.0060.061	SPV.0060.062	SPV.0090.32	
							PEDESTRIAN SCALE			COMMUNICATION NODES						
				CONCRETE BASES			STREET LIGHT	POLES		FOR PED SCALE	FOR NON-PED SCALE	DIMMING CONTROL	LED LUMINAIRE AND MOUNTING BRACKET		ELECTRIAL WIRE LIGHTING 14-3	
				TYPE LB-1	TYPE LB-3	TYPE M	UNIT	30-FOOT 11 GAUGE	30-FOOT 7 GAUGE	STR LGT UNITS	STR LGT UNITS	MODULE	TYPE-1	TYPE-2	UF GROUNDED	
CATEGORY	STRUCTURE	STATION	OFFSET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	(LF)	COMMENTS
0030	P642	48+02.18	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P643	48+43.04	23.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P644	49+09.24	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P645	49+73.83	23.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P646	50+32.50	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P647	50+91.25	23.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P648	51+48.22	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P649	52+05.95	23.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P650	52+46.95	27.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P651	53+09.00	23.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL1808	53+60.38	32.15' RT	-	-	-	-	1	-	-	1	1	1	-	36	-
	SL1809	54+18.91	24.61' LT	-	-	-	-	1	-	-	1	1	1	-	36	-
	LC5	54+09.53	48.15' RT	-	-	1	-	-	-	-	-	-	-	-	-	-
	P652	55+02.80	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P653	55+06.14	26.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P654	56+13.09	26.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P655	56+22.17	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P656	57+21.53	26.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P657	57+22.76	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P658	58+25.47	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P659	58+26.90	26.70' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P660	59+35.78	26.95' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P661	59+34.52	22.70' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL1813	60+28.23	21.45' LT	-	-	-	-	-	1	-	1	1	1	-	36	-
	SL1814	60+81.02	21.10' RT	-	1	-	-	1	-	-	1	1	1	-	36	-
	P662	61+24.72	22.31' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P663	61+81.40	22.93' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P664	62+12.46	22.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P665	63+02.09	23.03' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P666	63+21.84	22.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P667	64+22.29	23.00' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P668	64+33.41	23.00' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P669	65+23.25	23.45' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P670	65+68.63	29.78' LT	1	-	-	1	-	-	1	-	1	-	-	17	-
	P671	66+10.44	24.30' RT	1	-	-	1	-	-	1	-	1	-	-	17	-
	SL3982	66+65.39	28.50' LT	-	-	-	-	1	-	-	1	1	-	2	72	DUAL FIX
	SL3978	67+23.05	81.90' LT	-	-	-	-	1	-	-	-	-	1	-	36	EXISTING LB-3
	SL3977	67+43.97	15.43' LT	-	-	-	-	1	-	-	1	1	-	2	72	DUAL FIX
	SL3979	66+82.34	45.50' RT	-	-	-	-	1	-	-	1	1	1	-	36	-
	LC6	67+60.75	25.15' RT	-	-	1	-	-	-	-	-	-	-	-	-	-
			SUBTOTAL	30	1	2	30	7	1	30	7	37	6	4	870	
			PROJECT TOTAL	85	5	6	85	22	5	85	27	112	23	7	2525	

TRAFFIC SIGNAL POLES

CATEGORY	STRUCTURE	657.0100 BASE PEDESTAL EACH	SPV.0060.079 MONOTUBE POLES TYPE 9 EACH	SPV.0060.065 20-FOOT 7 GAUGE EACH	SPV.0060.087 TROMBONE ARMS ALUMINUM, 18-FOOT EACH	657.0405 STANDARD 3.5 FOOT ALUMINUM EACH	657.0410 STANDARD 9 FOOT ALUMINUM EACH	657.0420 STANDARD 13 FOOT ALUMINUM EACH	SPV.0060.080 MONOTUBE ARM 20-FOOT EACH	SPV.0060.082 MONOTUBE ARM 30-FOOT EACH
0040	TS5	1	-	-	-	1	-	-	-	-
	TS6	1	-	-	-	-	-	1	-	-
	TS4	1	-	-	-	-	1	-	-	-
	TS3	1	-	-	-	-	1	-	-	-
	TS2	1	-	-	-	-	-	1	-	-
	TS1	1	-	-	-	-	-	1	-	-
	TS7	1	-	-	-	-	-	1	-	-
	TS8	1	-	-	-	-	-	1	-	-
	TS11	1	-	-	-	-	1	-	-	-
	TS10	1	-	-	-	-	-	1	-	-
	TS9	1	-	-	-	-	-	1	-	-
	TS12	-	1	-	-	-	-	-	1	-
	TS14	1	-	-	-	-	1	-	-	-
	TS15	1	-	-	-	-	-	1	-	-
	TS13	1	-	-	-	-	-	1	-	-
	TS18	1	-	-	-	-	-	1	-	-
	TS17	-	-	1	1	-	-	-	-	-
	TS16	1	-	-	-	-	1	-	-	-
	TS21	1	-	-	-	-	-	1	-	-
	TS20	1	-	-	-	-	-	1	-	-
	TS19	1	-	-	-	-	-	1	-	-
	TS23	-	-	1	1	-	-	-	-	-
	TS22	1	-	-	-	-	-	1	-	-
	TS26	1	-	-	-	-	1	-	-	-
	TS27	1	-	-	-	-	-	1	-	-
	TS25	1	-	-	-	-	-	1	-	-
	TS24	1	-	-	-	-	1	-	-	-
	TS29	-	-	1	1	-	-	-	-	-
	TS28	1	-	-	-	-	-	1	-	-
	TS33	-	1	-	-	-	-	-	-	1
	TS34	1	-	-	-	1	-	-	-	-
	TS35	1	-	-	-	-	-	1	-	-
	TS36	1	-	-	-	-	-	1	-	-
	TS32	1	-	-	-	-	-	1	-	-
	TS31	1	-	-	-	-	-	1	-	-
	TS30	-	1	-	-	-	-	-	-	1
PROJECT TOTAL		30	3	3	3	2	7	21	1	2

		TRAFFIC SIGNALS								
		SPV.0105.05	SPV.0060.089	SPV.0060.090	SPV.0060.091	SPV.0060.092	SPV.0060.093	SPV.0060.095	SPV.0060.096	658.0500
			TRAFFIC SIGNAL HEADS					BACKPLATES SIGNAL FACE		
CATEGORY	STRUCTURE	OPTICAL SIGNAL PREEMPT *	8-INCH 3-SECTION EACH	12-INCH 3-SECTION EACH	12-INCH 4-SECTION EACH	12-INCH PEDESTRIAN EACH	12-INCH PEDESTRIAN COUNTDOWN EACH	12-INCH 3-SECTION EACH	12-INCH 4-SECTION EACH	PEDESTRIAN PUSH BUTTON EACH
0040	TS5	-	-	-	-	-	-	-	-	1
	TS6	-	1	1	-	2	2	1	-	-
	TS4	-	-	1	-	-	-	1	-	-
	TS3	-	-	-	-	1	1	-	-	1
	SL478	-	-	1	-	1	1	1	-	-
	TS2	-	-	2	-	1	1	1	-	-
	SL5516	-	-	1	-	1	1	1	-	-
	SL5517	-	-	1	-	1	1	1	-	-
	SL1766-1	-	1	1	-	1	1	1	-	-
	TS1	-	1	1	-	1	1	1	-	-
	SL1767	1	-	1	-	1	1	1	-	1
	TS7	-	-	1	-	1	1	1	-	-
	TS8	-	-	1	-	1	1	1	-	1
	SL1773	-	-	-	-	2	2	-	-	-
	TS11	-	1	-	-	-	-	-	-	-
	TS10	-	-	1	-	1	1	1	-	-
	TS9	-	-	1	-	1	1	1	-	1
	SL1784	1	-	1	-	1	1	1	-	-
	SL1776	-	-	1	-	1	1	1	-	1
	TS12	-	-	1	1	1	1	1	1	-
	TS14	-	-	-	-	1	1	-	-	-
	TS15	-	1	1	-	1	1	1	-	-
	TS13	-	-	1	-	2	2	1	-	-
	SL1788	-	-	1	-	-	-	1	-	-
	TS18	-	1	1	-	1	1	1	-	-
	SUBTOTAL	2	6	21	1	24	24	20	1	6

* "OPTICAL SIGNAL PREEMPT" IS A "LUMP SUM" ITEM. THE PURPOSE OF THIS COLUMN IS TO SHOW LOCATIONS TO PLACE DETECTORS.

TRAFFIC SIGNALS

CATEGORY	STRUCTURE	SPV.0105.05 OPTICAL SIGNAL PREEMPT * EACH	SPV.0060.089 TRAFFIC SIGNAL HEADS 8-INCH 3-SECTION EACH	SPV.0060.090 TRAFFIC SIGNAL HEADS 12-INCH 3-SECTION EACH	SPV.0060.091 TRAFFIC SIGNAL HEADS 12-INCH 4-SECTION EACH	SPV.0060.092 TRAFFIC SIGNAL HEADS 12-INCH PEDESTRIAN EACH	SPV.0060.093 TRAFFIC SIGNAL HEADS 12-INCH PEDESTRIAN COUNTDOWN EACH	SPV.0060.095 BACKPLATES SIGNAL FACE 12-INCH 3-SECTION EACH	SPV.0060.096 BACKPLATES SIGNAL FACE 12-INCH 4-SECTION EACH	658.0500 PEDESTRIAN PUSH BUTTON EACH
0040	TS17	1	-	1	-	1	1	1	-	-
	TS16	-	-	1	-	-	-	1	-	-
	SL1789	-	-	1	-	2	2	1	-	-
	TS21	-	1	1	-	1	1	1	-	-
	TS20	-	-	1	-	1	1	1	-	-
	SL1798	-	-	1	-	1	1	1	-	-
	TS19	-	1	1	-	1	1	1	-	-
	TS23	1	-	1	-	1	1	1	-	-
	TS22	-	-	1	-	1	1	1	-	-
	SL1799	-	-	1	-	1	1	1	-	-
	TS26	-	-	-	-	1	1	-	-	-
	TS27	-	1	1	-	1	1	1	-	-
	TS25	-	-	1	-	1	1	1	-	-
	SL1808	-	-	1	-	1	1	1	-	-
	TS24	-	1	1	-	-	-	1	-	-
	TS29	1	-	1	-	2	2	1	-	-
	TS28	-	-	1	-	1	1	1	-	-
	SL1809	-	-	1	-	1	1	1	-	-
	SL3982	-	-	-	2	2	2	-	2	1
	TS33	1	-	2	-	-	-	3	-	-
	TS34	-	-	-	-	-	-	-	-	1
	TS35	-	1	1	-	2	2	1	-	-
	SL3978	1	-	1	-	1	1	1	-	-
	TS36	-	-	1	-	1	1	1	-	1
	SL3977	-	-	-	2	2	2	-	2	1
	TS32	-	-	1	-	2	2	1	-	1
	SL3979	-	-	1	-	-	-	1	-	-
	TS31	-	1	1	-	1	1	1	-	-
	TS30	1	-	2	-	1	1	2	-	1
SUBTOTAL		6	6	27	4	30	30	28	4	6
PROJECT TOTAL		8	12	48	5	54	54	48	5	12

* "OPTICAL SIGNAL PREEMPT" IS A "LUMP SUM" ITEM. THE PURPOSE OF THIS COLUMN IS TO SHOW LOCATIONS TO PLACE DETECTORS.

POLES AND BASES FOR CITY OVERHEAD SIGNS

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.073 CONCRETE BASES TYPE LB-8 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	SPV.0060.079 MONOTUBE POLES TYPE 9 EACH	SPV.0060.065 POLE 20-FOOT 7 GAUGE EACH	SPV.0060.088 TRAFFIC SIGNAL TROMBONE ARMS, ALUMINUM 12-FOOT EACH	SPV.0060.087 TRAFFIC SIGNAL TROMBONE ARMS, ALUMINUM 18-FOOT EACH	SPV.0060.081 MONOTUBE ARM 25-FOOT EACH
0010	SL1768	14+45.59	25.15' LT	1	-	-	-	-	1	-
	SL1770	17+11.64	22.00' LT	1	-	-	-	-	1	-
	SB1	19+50.00	24.50' RT	1		-	1	1	-	-
	SL1793	33+55.63	27.45' LT	1	-	-	-	-	1	-
	SB2	37+22.84	17.50' RT	1	-	-	1	-	1	-
	SL1803	46+84.65	23.66' LT	1	-	-	-	-	1	-
	SB3	51+51.28	22.17' RT	-	1	1	-	-	-	1
	SL1813	60+28.23	21.45' LT	1	-	-	-	-	1	-
	SB4	69+12.00	27.84' LT	1	-	-	1	1	-	-
			TOTAL	8	1	1	3	2	6	1

LIGHTING CONTROL

CATEGORY	STRUCTURE	SPV.0060.060 LIGHTING CONTROL CABINET EACH
0030	LC1	1
	LC2	1
	LC3	1
	LC4	1
	LC5	1
	LC6	1
TOTAL		6

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
0040	L1	11+47.50	81.00' LT	7	W	6 x 6	3	36	96
	L2	11+47.50	69.00' LT	7	W	6 x 6	3	34	92
	L3	11+62.90	54.00' RT	3.5	W	6 x 6	3	35	94
	L4	11+62.90	66.00' RT	3.5	E	6 x 6	3	41	106
	L5	19+51.20	5.00' LT	23.5	E	5 x 5	3	46	112
	L6	19+51.20	5.00' RT	13.5	E	5 x 5	3	36	92
	L7	19+51.20	10.00' RT	3.5	E	5 x 5	3	26	72
	L8	20+73.20	48.60' LT	6	W	6 x 6	3	36	96
	L9	20+73.20	36.60' LT	6	E	6 x 6	3	33	90
	L10	39+35.40	6.00' LT	22	S	6 x 6	3	48	120
	L11	39+35.40	6.00' RT	10	W	6 x 6	3	36	96
	L12	52+46.10	6.00' LT	22	W	6 x 6	3	48	120
	L13	52+46.10	6.00' RT	10	E	6 x 6	3	36	96
	L14	65+16.30	6.50' LT	22	E	6 x 6	3	38	100
	L15	65+16.30	5.50' RT	10	E	6 x 6	3	50	124
	L16	66+40.20	12.00' LT	10	E	3 x 6 Bike	3	45	114
	L17	66+65.40	19.00' LT	2	W	6 x 20	3	59	226
	L18	67+39.10	27.80' LT	3	E	6 x 20	3	63	178
	L19	69+17.50	53.00' LT	18	W	6 x 6	3	45	114
	L20	69+17.50	41.00' LT	6	W	6 x 6	3	33	90
							TOTAL	824	2228

Station/Offset is to front center of loop.
Curbline reference is measured from face of curb to side of detector closest to curb

E: Curb EAST of loop
W: Curb WEST of loop
N: Curb NORTH of loop
S: Curb SOUTH of loop

SERVICE

CATEGORY	ITEM NUMBER	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
0040				
	656.0200	ELEC SERVICE METER BREAKER PEDESTAL 01 BUTLER STREET	LS	1
	656.0200	ELEC SERVICE METER BREAKER PEDESTAL 02 BLAIR STREET	LS	1
	656.0200	ELEC SERVICE METER BREAKER PEDESTAL 03 BLOUNT STREET	LS	1
	656.0200	ELEC SERVICE METER BREAKER PEDESTAL 04 PATERSON STREET	LS	1
	656.0200	ELEC SERVICE METER BREAKER PEDESTAL 05 INGERSOLL STREET	LS	1
	656.0200	ELEC SERVICE METER BREAKER PEDESTAL 06 BALDWIN STREET	LS	1

ADDITIONAL ITEMS

CATEGORY	ITEM NUMBER	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
0040				
	658.5069	SIGNAL MOUNTING HARDWARE 01. BUTLER-JOHNSON	LS	1
	658.5069	SIGNAL MOUNTING HARDWARE 02. BLAIR-JOHNSON	LS	1
	658.5069	SIGNAL MOUNTING HARDWARE 03. BLOUNT-JOHNSON	LS	1
	658.5069	SIGNAL MOUNTING HARDWARE 04. PATERSON-JOHNSON	LS	1
	658.5069	SIGNAL MOUNTING HARDWARE 05. INGERSOLL-JOHNSON	LS	1
	658.5069	SIGNAL MOUNTING HARDWARE 06. BALDWIN-JOHNSON	LS	1

REMOVALS

CATEGORY	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH	204.021 REMOVING MANHOLES EACH	SPV.0060.059 REMOVE STREET LIGHT EACH
0010	10+76	41.12' RT	1	-	-	1
	10+77	19.50' RT	1	-	-	-
	11+09	76.00' RT	1	-	-	-
	11+11	44.50' RT	-	-	1	-
	11+15	25.20' LT	1	-	-	-
	11+34	40.55' LT	1	-	-	-
	11+35	68.00' LT	-	1	-	-
	11+70	69.40' LT	1	-	-	1
	11+71	34.73' RT	-	1	-	-
	11+74	34.33' RT	1	-	-	-
	11+83	31.14' LT	-	-	1	-
	11+85	68.44' LT	1	-	-	1
	11+91	23.00' RT	1	-	-	-
	12+21	39.42' LT	1	-	-	-
	12+26	26.61' LT	1	-	-	1
	13+74	27.08' LT	1	-	-	1
	14+76	18.80' LT	-	-	1	-
	14+99	21.52' LT	-	-	1	-
	15+16	26.76' LT	1	-	-	1
	16+49	26.78' LT	1	-	-	1
	17+45	15.50' LT	-	-	1	-
	17+81	26.55' LT	1	-	-	1
	18+71	23.98' RT	1	-	-	-
	19+16	26.71' LT	1	-	-	1
	20+42	26.70' LT	1	-	-	1
	20+77	16.59' LT	-	-	1	-
	21+06	32.39' RT	1	-	-	1
	21+71	28.90' LT	1	-	-	1
	22+91	28.96' LT	1	-	-	1
	24+08	29.14' LT	1	-	-	1
	25+35	29.19' LT	1	-	-	1
	26+56	29.08' LT	1	-	-	1
	27+02	28.14' LT	1	-	-	-
	27+04	22.07' RT	1	-	-	-
	27+14	40.04' RT	1	-	-	-
	27+18	39.71' RT	1	-	-	1
	27+21	46.19' LT	1	-	-	-
	27+59	37.68' LT	-	-	1	-
	27+63	34.51' RT	1	-	-	-
	27+64	38.24' LT	1	-	-	-
	27+76	28.69' LT	1	-	-	1
	27+79	22.51' RT	1	-	-	-
	29+11	28.59' LT	1	-	-	1
	30+49	29.00' LT	1	-	-	1
	31+89	28.77' LT	1	-	-	1
	33+23	28.77' LT	1	-	-	1
	34+48	28.41' LT	1	-	-	1
	35+52	22.57' RT	1	-	-	1
	35+84	28.59' LT	1	-	-	1
	36+20	22.48' RT	1	-	-	1
	36+87	22.76' RT	1	-	-	1
	37+09	28.68' LT	1	-	-	1
	37+40	22.84' RT	1	-	-	1
	38+36	28.51' LT	1	-	-	1
	39+13	22.58' RT	1	-	-	1
	39+66	28.78' LT	1	-	-	1
	39+76	22.77' RT	1	-	-	1
	40+21	22.23' RT	1	-	-	-
	SUBTOTAL		49	2	7	33

REMOVALS

CATEGORY	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH	204.021 REMOVING MANHOLES EACH	SPV.0060.059 REMOVE STREET LIGHT EACH
0010	40+23	22.10' RT	1	-	-	-
	40+37	37.52' LT	-	1	-	-
	40+39	41.69' LT	1	-	-	-
	40+39	31.00' RT	1	-	-	1
	40+83	36.46' LT	1	-	-	-
	40+83	34.53' RT	1	-	-	-
	40+94	22.60' RT	1	-	-	-
	40+97	27.35' LT	1	-	-	1
	41+19	22.75' RT	1	-	-	1
	42+28	29.24' LT	1	-	-	1
	43+53	28.96' LT	1	-	-	1
	44+86	28.73' LT	1	-	-	1
	46+23	28.11' LT	1	-	-	1
	47+60	28.08' LT	1	-	-	1
	48+98	27.09' LT	1	-	-	1
	50+35	27.20' LT	1	-	-	1
	51+58	27.18' LT	1	-	-	1
	52+86	26.96' LT	1	-	-	1
	53+44	27.78' LT	-	1	-	-
	53+46	25.20' LT	-	1	-	-
	53+48	27.28' LT	1	-	-	-
	53+62	31.97' RT	1	-	-	1
	53+62	44.41' RT	-	1	-	-
	53+67	41.72' LT	1	-	-	-
	54+05	39.08' LT	-	1	-	-
	54+10	39.75' LT	1	-	-	-
	54+12	43.59' RT	1	-	-	-
	54+19	26.97' LT	1	-	-	-
	54+32	26.68' LT	1	-	-	1
	55+81	27.29' LT	1	-	-	1
	56+99	27.77' LT	1	-	-	1
	58+19	27.02' LT	1	-	-	1
	59+50	27.30' LT	1	-	-	1
	60+79	23.55' LT	1	-	-	1
	62+06	23.72' LT	1	-	-	1
	63+38	24.91' LT	1	-	-	1
	64+71	22.35' RT	1	-	-	1
	65+32	25.07' LT	1	-	-	1
	66+05	23.80' RT	1	-	-	1
	66+64	75.50' LT	1	-	-	1
	66+69	26.30' RT	1	-	-	-
	66+69	25.78' LT	1	-	-	-
	66+81	48.18' RT	1	-	-	-
	66+82	45.57' RT	1	-	-	1
	67+31	52.86' RT	-	1	-	-
	67+33	36.55' RT	1	-	-	-
	67+48	22.30' RT	1	-	-	1
	67+50	13.20' LT	1	-	-	-
	SUBTOTAL		42	6	0	27
	PROJECT TOTAL		91	8	7	60

3

TRAFFIC SIGNAL CONTROL CABINETS

CATEGORY	STRUCTURE	SPV.0060.083 TRAFFIC SIGNAL CONTROL CABINET EACH	SPV.0060.084 TRAFFIC SIGNAL CONTROLLER EACH	SPV.0060.085 NEMA-PLUS CONFLICT MONITOR EACH	SPV.0060.086 TRAFFIC SIGNAL ETHERNET SWITCH EACH
0040	TC1	1	1	1	1
	TC2	1	1	1	1
	TC3	1	1	1	1
	TC4	1	1	1	1
	TC5	1	1	1	1
	TC6	1	1	1	1
	TOTALS	6	6	6	6

ROAMVIEW GATEWAY

CATEGORY	LOCATION	SPV.0060.100 ROAMVIEW GATEWAY EACH
0030	NA	1

TEMPORARY LIGHTING

CATEGORY	LOCATION	SPV.0105.13 TEMPORARY LIGHTING LUMP
0030	NA	1

TEMPORARY TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.06 TEMPORAY TRAFFIC SIGNALS LUMP	SPV.0105.11 TEMPORARY VEHICLE DETECTION LUMP
0040	BUTLER-HAMILTON-JOHNSON	1	1

TEMPORARY TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.07 TEMPORAY TRAFFIC SIGNALS LUMP
0040	BLOUNT-JOHNSON	1

TEMPORARY TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.08 TEMPORAY TRAFFIC SIGNALS LUMP
0040	PATERSON-JOHNSON	1

TEMPORARY TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.09 TEMPORAY TRAFFIC SIGNALS LUMP
0040	INGERSOLL-JOHNSON	1

TEMPORARY TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.10 TEMPORAY TRAFFIC SIGNALS LUMP	SPV.0105.12 TEMPORARY VEHICLE DETECTION LUMP
0040	BALDWIN-JOHNSON	1	1

SANITARY SEWER PIPES (SEWER MAIN)

CATEGORY	LOCATION (DOWNSTREAM)	LOCATION (UPSTREAM)	EI (DOWNSTREAM)	EI (UPSTREAM)	SLOPE (%)	SPV.0090.17 SELECT FILL FOR SANITARY SEWER LF	SPV.0090.11 SANITARY SEWER PIPE PVC 8-INCH LF	SPV.0090.13 SANITARY SEWER PRESSURE PIPE (C900) 8-INCH LF	SPV.0090.12 SANITARY SEWER PIPE PVC 10- INCH PIPE LF	SPV.0090.14 SANITARY SEWER PRESSURE PIPE (C900) 16-INCH LF	SPV.0060.034 INSTALL COMPRESSION COUPLING EACH	SPV.0060.021 FLUID THERMAL BACKFILL* EACH	NOTES
0010	SAS#L5	SAS#2	841.00	843.61	8.70%	30	30	-	-	-	-	-	
	SAS#L5	SAS#3	840.40	841.27	0.28%	312	-	-	312	-	-	-	
	SAS#3	SAS#4	841.32	842.26	0.28%	335	-	-	335	-	-	-	
	SAS#4	SAS#5	842.36	845.44	1.16%	265	265	-	-	-	-	-	
	SAS#4	5246-027	846.53	846.56	0.27%	10	-	-	10	-	1	-	
	SAS#5	SAS#6	845.54	849.70	1.04%	399	399	-	-	-	-	-	
	SAS#7	SAS#10	845.73	845.96	0.41%	56	56	-	-	-	-	-	
	SAS#7	SAS#8	845.78	846.98	0.40%	300	300	-	-	-	-	-	
	SAS#8	SAS#9	847.08	848.38	0.43%	300	300	-	-	-	-	-	
	SAS#7	SAS#11	845.78	848.89	0.99%	315	315	-	-	-	-	-	
	SAS#11	SAS#12	848.99	853.00	1.78%	225	225	-	-	-	-	-	
	SAS#13	SAS#14	841.13	841.23	0.40%	25	25	-	-	-	-	-	SDR-26 MAIN & LATERALS
	SAS#14	SAS#15	842.35	842.92	0.45%	126	-	126	-	-	-	-	
	SAS#14	5444-018	847.00	848.78	5.93%	30	30	-	-	-	1	-	
	SAS#14	SAS#16	841.35	841.93	0.40%	144	-	144	-	-	-	-	
	SAS#16	SAS#17	842.03	842.27	0.41%	59	59	-	-	-	-	-	SDR-26 MAIN & LATERALS
	SAS#17	5344-027	842.48	842.58	0.42%	24	24	-	-	-	1	-	SDR-26 MAIN & LATERALS
	SAS#16	SAS#18	843.22	844.00	0.40%	195	-	195	-	-	-	-	
	SAS#18	SAS#19	844.10	854.50	3.65%	285	-	285	-	-	-	-	
	SASL#5	SAS#20	840.40	841.42	0.28%	363	-	-	363	-	-	-	
	SAS#20	SAS#21	841.47	842.34	0.28%	312	-	-	312	-	-	-	
	SAS#21	SAS#22	842.44	847.02	8.18%	56	56	-	-	-	-	-	
	SAS#21	SAS#23	842.39	843.20	0.28%	288	-	-	288	-	-	-	
	SAS#23	SAS#24	843.25	844.29	0.28%	372	-	-	372	-	-	-	
	SAS#24	SAS#25	844.39	846.12	2.44%	71	71	-	-	-	-	-	
	SAS#24	SAS#26	844.39	845.32	0.40%	233	233	-	-	-	-	-	
	5148-032	SAS#32	854.14	854.68	0.60%	90	-	-	-	90	-	-	
	5147-040	SAS#27	846.88	847.95	0.40%	268	268.00	-	-	-	-	-	
	SAS#27	SAS#29	848.05	848.92	0.40%	218	218.00	-	-	-	-	-	
	SAS#27	SAS#28	848.05	848.28	0.40%	58	58.00	-	-	-	-	1	
	SAS#32	SAS#31	855.00	855.36	0.50%	72	72.00	-	-	-	-	-	
				PROJECT TOTALS		**5836**	**3004**	**750**	**1992**	**90**	**3**	**1**	

*ADDITIONAL FLUID THERMAL BACKFILL ELSEWERE IN PLANS

MISC. SANITARY ITEMS

CATEGORY	STATION	LOCATION	SPV.0060.024 TEMPORY SANITARY SEWER CONNECTION EACH	SPV.0060.027 SANITARY SEWER CLEANOUT EACH	SPV.0060.035 SLURRY BACKFILL EACH	SPV.0105.02 WASTEWATER CONTROL L.S.	SPV.0105.01 PROJECT DEWATERING (SANITARY SEWER) L.S.	SPV.0060.033 PIPE SUPPORTS EACH	SPV.0060.010 *UTILITY LINE OPENING (ULO) EACH	SPV.0105.03 CONSTRUCTION STAKING FOR SAN. SEWER L.S
0010	67'EJ'+07.39	LT 8.52'	1	-	-	-	-	-	-	-
	11'EJ'+44.46	LT 24.36'	-	-	-	-	-	1	-	-
	11'EJ'+44.01	LT 18.24'	-	-	-	-	-	1	-	-
	11'EJ'+43.89	LT 70.77'	-	-	-	-	-	1	-	-
		*UNDISTRIBUTED	-	10	25	1	1	7	4	1
	PROJECT TOTAL		**1**	**10**	**25**	**1**	**1**	**10**	**4**	**1**

*ADDITIONAL UTILITY LINE OPENINGS QUANTITIES ELSEWHERE IN PLANS

SANITARY SEWER STRUCTURES

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	FINAL RIM	TEMP RIM ELEV.	EXISTING TOP OF	EXISTING ADJUST	NET ADJUST	IE	DEPTH	SPV.0060.025 SANITARY SEWER ACCESS STRUCTURE (4-FT DIAMETER) EACH	SPV.0060.020 MANHOLE COVERS TYPE-J SPECIAL EACH	SPV.0060.026 SANITARY SEWER INTERNAL CHIMNEY SEAL EACH	SPV.0060.030 ADJUST SEWER ACCESS STRUCTURE SPECIAL EACH	611.811 ADJUSTING MANHOLE COVERS EACH	SPV.0060.023 SANITARY SEWER TAP EACH	SPV.0060.032 RECONSTRUCT BENCH & FLOWLINES EACH	SPV.0200.01 CONSTRUCT OUTSIDE DROP-8 INCH V.F.	SPV.0200.02 CONSTRUCT OUTSIDE DROP-10 INCH V.F.	SPV.0060.036 REMOVE INSIDE DROP EACH	NOTES
0010	SAS#2	34'EJ'+04.67	LT-22.85	850.10	-	-	-	-	843.51	6.49	1	1	-	-	-	1	-	-	-	-	
	EX SAS#L5	34'EJ'+13.23	RT-6.00	850.21	-	850.12	0.50	0.09	840.30	9.91	-	-	-	-	1	1	1	-	-	2	EX SAS 5' DIA.
	SAS#3	37'EJ'+25.00	RT-6.00	849.81	-	-	-	-	841.27	8.54	1	1	1	-	-	-	-	-	-	-	
	SAS#4	40'EJ'+60.24	RT-6.00	850.92	-	-	-	-	842.26	8.66	1	1	1	-	-	-	-	-	3.94	-	TAPS INCIDENTAL TO OUTSIDE DROP
	SAS#5	43'EJ'+25.00	RT-6.00	855.42	-	-	-	-	845.44	9.98	1	1		-	-	-	-	-	-	-	
	SAS#6	47'EJ'+23.95	RT-6.48	858.62	-	-	-	-	849.70	8.92	1	1		-	-	1	-	-	-	-	
	5245-028	47'EJ'+27.27	LT-33.35	860.86	-	859.06	0.75	1.8	851.45	9.41	-	-	-	1	-	-	-	-	-	-	EXISTING SAS PRECAST ROUND
	SAS#7	53'EJ'+85.15	RT-9.92	855.79	-	-	-	-	845.68	10.11	1	1	1	-	-	-	-	-	-	-	
	SAS#8	50'EJ'+85.00	RT-10.00	857.04	-	-	-	-	846.98	10.06	1	1		-	-	-	-	-	-	-	
	SAS#9	47'EJ'+85.00	RT-10.00	858.12	-	-	-	-	848.38	9.74	1	1	1	-	-	-	-	-	-	-	
	SAS#10	53'EJ'+84.90	LT-46.38	857.49	-	-	-	-	845.96	11.53	1	1	-	-	-	1	-	-	-	-	
	SAS#11	57'EJ'+00.00	RT-10.00	857.36	-	-	-	-	848.89	8.47	1	1	-	-	-	-	-	-	-	-	
	SAS#12	59'EJ'+25.00	RT-10.00	862.15	-	-	-	-	853.00	9.15	1	1	-	-	-	-	-	-	-	-	
	EX.5444-012	67'EJ'+28.12	LT-30.68	853.97	853.80	853.92	0.75	0.05	840.17	13.80	-	-	-	-	2	-	-	-	-	-	ADJUST RIM ONLY, EX SAS PRECAST ROUND
	SAS#13	67'EJ'+19.41	LT-12.12	854.70	854.53	-	-	-	840.99	13.71	1	1	-	-	1	-	-	-	-	-	
	SAS#14	67'EJ'+14.29	RT-12.68	855.52	-	-	-	-	841.23	14.29	1	1	-	-	-	-	-	5.44	-	-	TAPS INCIDENTAL TO OUTSIDE DROP
	SAS#15	68'EJ'+40.00	RT-5.71	854.67	-	-	-	-	842.92	11.75	1	1	-	-	-	-	-	-	-	-	
	EX.5443-002	69'EJ'+44.59	LT-33.98	852.76	852.59	852.59	1.58	0.17	838.91	13.85	-	-	-	1	1	-	-	-	-	-	EXISTING SAS 4X4 CAST IN PLACE
	SAS#16	65'EJ'+70.05	RT-13.31	854.50	-	-	-	-	841.93	12.57	1	1	1	-	-	-	-	-	-	-	
	SAS#17	65'EJ'+71.30	LT-45.82	853.82	-	-	-	-	842.27	11.55	1	1	-	-	-	-	-	-	-	-	
	SAS#18	63'EJ'+75.00	RT-12.50	854.97	-	-	-	-	844.00	10.97	1	1	-	-	-	-	-	-	-	-	
	SAS#19	60'EJ'+89.59	RT-11.90	863.80	-	-	-	-	854.50	9.30	1	1	-	-	-	-	-	-	-	-	
	SAS#20	30'EJ'+50.00	RT-6.00	852.47	-	-	-	-	841.42	11.05	1	1	-	-	-	-	-	-	-	-	
	SAS#21	27'EJ'+38.23	RT-6.00	854.38	-	-	-	-	842.34	12.04	1	1	-	-	-	-	-	-	-	-	
	SAS#22	27'EJ'+38.27	LT-49.94	855.91	-	-	-	-	847.02	8.89	1	1	-	-	-	-	-	5.66	-	-	TAPS INCIDENTAL TO OUTSIDE DROP
	SAS#23	24'EJ'+50.00	RT-6.00	853.76	-	-	-	-	843.20	10.56	1	1	1	-	-	-	-	-	-	-	
	SAS#24	20'EJ'+78.01	RT-7.00	852.89	-	-	-	-	844.29	8.60	1	1	1	-	-	-	-	-	-	-	
	SAS#25	20'EJ'+75.74	LT-63.66	855.01	-	-	-	-	846.12	8.89	1	1	-	-	-	1	-	-	-	-	
	SAS#26	18'EJ'+45.00	RT-8.00	854.86	-	-	-	-	845.32	9.54	1	1	-	-	-	-	-	-	-	-	
	EX.5147-040	17'EJ'+46.39	RT-7.38	855.44	-	855.75	0.83	-0.31	846.15	9.29	-	-	-	-	1	1	-	-	-	-	EX.SAS PRECAST, ADJUST RIM ONLY
	SAS#27	14'EJ'+78.46	RT-8.00	855.82	-	-	-	-	847.95	7.87	1	1	1	-	-	-	-	-	-	-	
	SAS#28	14'EJ'+80.17	RT-65.98	856.20	-	-	-	-	848.28	7.92	1	1	-	-	-	1	-	3.24	-	-	
	SAS#29	12'EJ'+60.82	RT-8.00	858.93	-	-	-	-	848.92	10.01	1	1	-	-	-	1	-	-	-	-	
	SAS#30	20'EJ'+80.96	RT-89.56	851.64	-	-	-	-	846.79	4.85	1	1	-	-	-		-	-	-	-	
	SAS#32	11'EJ'+44.16	LT-3.86	860.81	-	-	-	-	854.68	6.13	1	1	-	-	-	2	-	-	-	-	
	EX.5148-032	12'EJ'+06.69	LT-66.70	859.60	-	859.79	0.75	-0.19	854.14	5.46	-	-	-	-	1	1	1	-	-	-	EXISTING SAS 4X4 CAST IN PLACE
	SAS#31	11'EJ'+43.83	LT-76.43	860.83	-	-	-	-	855.36	5.47	1	1	1	-	-	1	-	-	-	-	
								PROJECT TOTALS			**31**	**31**	**9**	**2**	**7**	**12**	**2**	**14.34**	**3.94**	**2**	

SANITARY SEWER LATERALS

CATEGORY	CITY BLOCK	STATION	LOCATION (OFFSET)	SPV.0090.10 SANITARY SEWER LATERAL L.F.	SPV.0060.022 SANITARY LATERAL RECONNECT EACH	SPV.0090.17 *SELECT FILL FOR SANITARY SEWER LF	SPV.0060.031 ABANDONED SANITARY SEWER - PIPE PLUG EACH	SPV.0060.013 *SEWER ELECTRONIC MARKERS EACH	SPV.0060.021 *FLUID THERMAL BACKFILL EACH	NOTES
0010	300 BLK	12'EJ'+49	RT	26	-	26	-	1	1	
		12'EJ'+57	RT	21	1	21	1	2	1	
		12'EJ'+98	RT	19	1	19	-	2	1	
		13'EJ'+74	RT	18	1	18	2	2	1	
		13'EJ'+76	LT	-	-	-	1	-	-	PLUG LAT. AT MAIN
		14'EJ'+04	RT	21	1	21	2	3	1	
		14'EJ'+38	RT	20	1	20	2	2	1	
		14'EJ'+71	RT	-	-	-	1	-	-	LAT. FROM NW SIDE
	400 BLK	15'EJ'+69	RT	18	1	18	2	2	1	
		16'EJ'+00	RT	18	1	18	2	2	1	
		16'EJ'+33	RT	18	1	18	2	2	1	
		16'EJ'+69	RT	22	1	22	0	2	1	
	500 BLK	18'EJ'+45	RT	18	1	18	0	2	1	
		18'EJ'+48	LT	36	1	36	0	2	-	
		19'EJ'+01	RT	18	1	18	0	2	1	
		19'EJ'+07	LT	36	1	36	2	2	-	
		19'EJ'+37	LT	36	1	36	2	2	-	
		19'EJ'+59	LT	36	1	36	2	2	-	
		19'EJ'+65	RT	18	1	18	2	2	1	
		20'EJ'+05	RT	25	1	25	2	3	1	
	600 BLK	21'EJ'+61	RT	18	1	18	2	2	1	
		21'EJ'+87	RT	19	1	19	2	2	1	
		22'EJ'+15	RT	18	1	18	2	2	1	
		22'EJ'+52	RT	19	1	19	2	3	1	
		22'EJ'+82	LT	36	1	36	-	2	-	
		23'EJ'+00	RT	18	1	18	2	2	1	
		23'EJ'+16	RT	21	1	21	2	3	1	
		23'EJ'+47	RT	18	1	18	2	2	1	
		23'EJ'+83	RT	18	1	18	2	2	1	
		24'EJ'+06	LT	36	1	36	-	2	-	
		24'EJ'+14	RT	18	1	18	2	2	1	
		24'EJ'+49	RT	19	1	19	2	2	1	
		24'EJ'+79	RT	18	1	18	2	2	1	
		24'EJ'+85	LT	36	1	36	2	2	-	
		25'EJ'+13	RT	19	1	19	2	2	1	
		25'EJ'+49	RT	18	1	18	2	2	1	
		25'EJ'+51	LT	36	1	36	2	2	-	
		25'EJ'+72	RT	-	-	-	1	-	1	
		25'EJ'+89	LT	36	1	36	2	2	-	
		26'EJ'+09	LT	36	1	36	2	2	-	
		26'EJ'+12	RT	23	1	23	2	3	1	
		26'EJ'+46	LT	36	1	36	2	2	-	
		26'EJ'+48	RT	19	1	19	2	3	1	
		26'EJ'+83	RT	18	1	18	2	2	1	
	700 BLK	28'EJ'+22	LT	36	1	36	2	2	-	
		28'EJ'+46	LT	36	1	36	2	2	-	
		28'EJ'+52	RT	21	1	21	2	2	-	
		28'EJ'+96	RT	18	1	18	-	2	-	
		29'EJ'+01	LT	36	1	36	-	2	-	
		29'EJ'+19	LT	36	1	36	2	2	-	
		29'EJ'+34	LT	37	1	37	2	2	-	
		29'EJ'+61	RT	18	1	18	2	2	-	

SANITARY SEWER LATERALS

CATEGORY	CITY BLOCK	STATION	LOCATION (OFFSET)	SPV.0090.10 SANITARY SEWER LATERAL L.F.	SPV.0060.022 SANITARY LATERAL RECONNECT EACH	SPV.0090.17 *SELECT FILL FOR SANITARY SEWER LF	SPV.0060.031 ABANDONED SANITARY SEWER - PIPE PLUG EACH	SPV.0060.013 *SEWER ELECTRONIC MARKERS EACH	SPV.0060.021 *FLUID THERMAL BACKFILL EACH	NOTES
0010	700 BLK	29'EJ'+91	LT	36	1	36	2	2	-	
		29'EJ'+97	RT	18	1	18	2	2	-	
		30'EJ'+11	RT	18	1	18	2	2	-	
		30'EJ'+35	LT	36	1	36	-	2	-	
		30'EJ'+57	RT	18	1	18	2	2	-	
		30'EJ'+59	LT	36	1	36	2	2	-	
		30'EJ'+86	RT	18	1	18	2	2	-	
		30'EJ'+95	LT	36	1	36	2	2	-	
		31'EJ'+29	RT	18	1	18	2	2	-	
		31'EJ'+31	LT	36	1	36	-	2	-	
		31'EJ'+55	RT	18	1	18	2	2	-	
		31'EJ'+67	LT	36	1	36	-	2	-	
		31'EJ'+70	RT	19	1	19	1	2	-	
		32'EJ'+01	LT	36	1	36	2	2	-	
		32'EJ'+22	RT	18	1	18	2	2	-	
		32'EJ'+25	LT	42	1	42	2	3	-	
		32'EJ'+55	RT	18	1	18	2	2	-	
		32'EJ'+56	LT	36	1	36	2	2	-	
		32'EJ'+74	RT	18	1	18	2	2	-	
		32'EJ'+80	LT	36	1	36	2	2	-	
		33'EJ'+25	RT	18	1	18	2	2	-	
	800 BLK	34'EJ'+68	LT	36	1	36	-	2	-	
		35'EJ'+00	RT	18	1	18	-	2	-	
		35'EJ'+04	LT	36	1	36	-	2	-	
		35'EJ'+33	RT	18	1	18	-	2	-	
		35'EJ'+39	LT	36	1	36	2	2	-	
		35'EJ'+56	RT	18	1	18	2	2	-	
		35'EJ'+78	LT	36	1	36	2	2	-	
		35'EJ'+96	RT	18	1	18	2	2	-	
		36'EJ'+12	LT	36	1	36	2	3	-	
		36'EJ'+41	RT	19	1	19	2	3	-	
		36'EJ'+42	LT	36	1	36	2	2	-	
		36'EJ'+43	RT	19	1	19	-	3	-	
		36'EJ'+72	RT	18	1	18	2	2	-	
		36'EJ'+80	LT	36	1	36	2	2	-	
		37'EJ'+00	LT	36	1	36	0	2	-	
		37'EJ'+03	RT	18	1	18	2	2	-	
		37'EJ'+32	RT	18	1	18	2	2	-	
		37'EJ'+36	LT	36	1	36	2	2	-	
		37'EJ'+57	RT	18	1	18	-	2	-	
		37'EJ'+65	RT	18	1	18	-	2	-	
		37'EJ'+70	LT	36	1	36	2	2	-	
		38'EJ'+00	RT	18	1	18	2	2	-	
		38'EJ'+08	LT	36	1	36	2	2	-	
		38'EJ'+26	RT	18	1	18	2	2	-	
		38'EJ'+45	LT	37	1	37	-	2	-	
		38'EJ'+67	RT	18	1	18	2	2	-	
		38'EJ'+89	LT	36	1	36	2	2	-	
		39'EJ'+00	RT	18	1	18	2	2	-	
		39'EJ'+10	LT	36	1	36	2	2	-	
		39'EJ'+35	RT	18	1	18	2	2	-	
		39'EJ'+40	LT	36	1	36	2	2	-	

*ADDITIONAL SELECT FILL, PLUGS, SEWER ELECTRONIC MARKERS AND FLUID THERMAL BACKFILL QUANTITIES ELSEWHERE IN PLANS

LATERAL CHART CONTINUED ON NEXT SHEET

3

SANITARY SEWER LATERALS

CATEGORY	CITY BLOCK	STATION	LOCATION (OFFSET)	SPV.0090.10 SANITARY SEWER LATERAL L.F.	SPV.0060.022 SANITARY LATERAL RECONNECT EACH	SPV.0090.17 *SELECT FILL FOR SANITARY SEWER LF	SPV.0060.031 ABANDONED SANITARY SEWER - PIPE PLUG EACH	SPV.0060.013 *SEWER ELECTRONIC MARKERS EACH	SPV.0060.021 *FLUID THERMAL BACKFILL EACH	NOTES
0010	800 BLK	39'EJ'+66.00	RT	20	1	20	2	2	-	
		40'EJ'+00.00	RT	18	1	18	2	2	-	
	900 BLK	41'EJ'+12.00	LT	36	1	36	-	2	-	
		41'EJ'+32.00	RT	18	1	18	2	2	-	
		41'EJ'+45.00	LT	36	1	36	2	2	-	
		41'EJ'+64.00	RT	20	1	20	2	3	-	
		41'EJ'+83.00	LT	37	1	37	-	2	-	
		41'EJ'+92.00	RT	18	1	18	2	2	-	
		42'EJ'+12.00	LT	36	1	36	2	2	-	
		42'EJ'+24.00	RT	18	1	18	2	2	-	
		42'EJ'+45.00	LT	36	1	36	2	2	-	
		42'EJ'+65.00	RT	21	1	21	2	3	-	
		42'EJ'+76.00	LT	36	1	36	2	2	-	
		42'EJ'+94.00	RT	19	1	19	2	2	-	
		43'EJ'+01.00	LT	36	1	36	2	2	-	
		43'EJ'+34.00	RT	22	1	22	2	2	-	
		43'EJ'+42.00	LT	36	1	36	2	2	-	
		43'EJ'+62.00	RT	18	1	18	2	2	-	
		43'EJ'+80.00	LT	36	1	36	2	2	-	
		43'EJ'+98.00	LT	36	1	36	1	2	-	
		44'EJ'+01.00	RT	18	1	18	1	2	-	
		44'EJ'+33.00	RT	20	1	20	2	3	-	
		44'EJ'+39.00	LT	36	1	36	2	2	-	
		44'EJ'+71.00	RT	20	1	20	2	2	-	
		44'EJ'+73.00	LT	41	1	41	2	3	-	
		45'EJ'+02.00	RT	18	1	18	2	2	-	
		45'EJ'+32.00	RT	19	1	19	2	2	-	
		45'EJ'+35.00	LT	36	1	36	2	2	-	
		45'EJ'+68.00	RT	21	1	21	2	3	-	
		45'EJ'+94.00	RT	18	1	18	-	2	-	
		46'EJ'+00.00	LT	37	1	37	2	3	-	
		46'EJ'+30.00	RT	18	1	18	2	2	-	
		46'EJ'+50.00	LT	36	1	36	2	2	-	
		46'EJ'+61.00	RT	21	1	21	2	3	-	
		46'EJ'+66.00	LT	37	1	37	2	3	-	
1000 BLK		48'EJ'+13.00	RT	15	1	15	2	3	-	
		48'EJ'+25.00	LT	40	1	40	-	3	-	
		48'EJ'+38.00	RT	15	1	15	2	2	-	
		48'EJ'+85.00	LT	39	1	39	-	2	-	
		49'EJ'+08.00	RT	15	1	15	2	2	-	
		49'EJ'+06.00	LT	42	1	42	2	3	-	
		49'EJ'+45.00	RT	15	1	15	2	2	-	
		49'EJ'+74.00	RT	15	1	15	2	2	-	
		49'EJ'+79.00	LT	39	1	39	-	2	-	
		50'EJ'+11.00	LT	39	1	39	2	2	-	
		50'EJ'+12.00	RT	18	1	18	2	3	-	
		50'EJ'+41.00	LT	39	1	39	1	2	-	
		50'EJ'+57.00	RT	19	1	19	2	2	-	
		50'EJ'+74.00	LT	40	1	40	2	3	-	
		50'EJ'+80.00	LT	39	1	39	2	2	-	

SANITARY SEWER LATERALS

CATEGORY	CITY BLOCK	STATION	LOCATION (OFFSET)	SPV.0090.10 SANITARY SEWER LATERAL L.F.	SPV.0060.022 SANITARY LATERAL RECONNECT EACH	SPV.0090.17 *SELECT FILL FOR SANITARY SEWER LF	SPV.0060.031 ABANDONED SANITARY SEWER - PIPE PLUG EACH	SPV.0060.013 *SEWER ELECTRONIC MARKERS EACH	SPV.0060.021 *FLUID THERMAL BACKFILL EACH	NOTES
0010		51'EJ'+07	RT	16	1	16	1	3	-	
		51'EJ'+08	LT	43	1	43	2	2	-	
		51'EJ'+44	LT	39	1	39	2	2	-	
		51'EJ'+44	RT	15	1	15	2	2	-	
		51'EJ'+75	RT	16	1	16	2	3	-	
		51'EJ'+79	LT	39	1	39	2	2	-	
		52'EJ'+07	RT	15	1	15	1	2	-	
		52'EJ'+15	LT	27	1	27	1	2	-	
		52'EJ'+44	LT	39	1	39	2	2	-	
		52'EJ'+52	RT	16	1	16	2	2	-	
		52'EJ'+93	LT	39	1	39	2	2	-	
		53'EJ'+08	RT	15	1	15	2	2	-	
	1100 BLK	55'EJ'+31	LT	39	1	39	2	2	-	
		55'EJ'+44	RT	15	1	15	2	2	-	
		55'EJ'+63	RT	15	1	15	2	2	-	
		55'EJ'+74	LT	39	1	39	2	2	-	
		55'EJ'+96	LT	41	1	41	2	3	-	
		55'EJ'+96	RT	15	1	15	2	2	-	
		56'EJ'+19	RT	15	1	15	0	2	-	
		56'EJ'+42	LT	45	1	45	2	3	-	
		56'EJ'+49	RT	15	1	15	2	2	-	
		57'EJ'+20	LT	39	1	39	1	2	-	
		57'EJ'+21	RT	15	1	15	2	2	-	
		57'EJ'+76	RT	15	1	15	2	2	-	
		57'EJ'+83	LT	39	1	39	-	2	-	
		58'EJ'+21	RT	15	1	15	2	2	-	
		58'EJ'+25	LT	39	1	39	2	2	-	
		58'EJ'+57	LT	39	1	39	2	2	-	
		58'EJ'+67	RT	14	1	14	2	2	-	
		59'EJ'+21	LT	39	1	39	-	2	-	
		59'EJ'+27	RT	16	1	16	1	2	-	
	1200 BLK	61'EJ'+51	RT	19	1	19	2	2	-	
		61'EJ'+62	LT	39	1	39	0	2	-	
		61'EJ'+77	RT	15	1	15	4	2	-	
		61'EJ'+99	LT	39	1	39	2	2	-	
		62'EJ'+40	LT	39	1	39	2	2	-	
		62'EJ'+44	RT	15	1	15	4	2	-	
		62'EJ'+71	RT	20	1	20	4	3	-	
		63'EJ'+00	LT	40	1	40	2	3	-	
		63'EJ'+03	RT	15	1	15	4	2	-	
		63'EJ'+37	RT	15	1	15	4	2	-	
		63'EJ'+64	RT	15	1	15	-	2	-	
		64'EJ'+35	RT	15	1	15	-	2	-	
		64'EJ'+68	RT	15	1	15	2	2	-	
		64'EJ'+82	RT	15	1	15	2	2	-	
		65'EJ'+33	RT	15	1	15	2	2	-	
		65'EJ'+66	RT	15	1	15	-	2	-	
		65'EJ'+99	RT	15	1	15	-	2	-	
		66'EJ'+46	RT	16	1	16	-	2	-	
PROJECT TOTALS				**5194**	**199**	**5194**	**329**	**428**	**31**	

*ADDITIONAL SELECT FILL, PLUGS, SEWER ELECTRONIC MARKERS AND FLUID THERMAL BACKFILL QUANTITIES ELSEWHERE IN PLANS

REMOVE SEWER ACCESS STRUCTURES

CATEGORY	EXIST. STRUCTURE NUMBER	STATION	LOCATION (OFFSET)	RIM	EI	DEPTH	SPV.0060.029 REMOVE SANITARY SEWER STRUCTURE EACH	SPV.0060.028 REMOVE CLEANOUT EACH	NOTES
0010	5048-001	11'EJ'+44.16	LT-3.86	860.93	854.98	5.95	1	-	
	5148-021	12'EJ'+59.65	RT-15.23	858.83	852.50	6.33	-	1	CLEANOUT INVERT ESTIMATED
	5148-012	12'EJ'+88.05	RT-9.27	858.66	852.01	6.65	1	-	
	5148-013	14'EJ'+78.96	RT-13.14	856.14	850.57	5.57	1	-	
	5148-040	14'EJ'+96.16	RT-12.77	855.68	850.30	5.38	1	-	STRUCTURE NOT SURVEYED
	5147-011	18'EJ'+48.00	RT-8.17	855.07	848.35	6.72	1	-	
	5147-012	20'EJ'+78.00	RT-6.72	853.03	847.08	5.95	1	-	
	5147-013	24'EJ'+10.46	RT-6.43	854.01	848.21	5.80	1	-	
	5147-001	27'EJ'+38.23	RT-5.90	854.60	849.20	5.40	1	-	
	5147-022	28'EJ'+38.92	RT-7.11	854.21	848.53	5.68	1	-	
	5246-018	31'EJ'+05.91	RT-8.43	852.27	846.49	5.78	1	-	
	5246-026	34'EJ'+04.76	LT-1.80	850.48	844.24	6.24	1	-	
	5246-012	37'EJ'+31.72	RT-8.26	850.76	845.26	5.50	1	-	
	5246-027	40'EJ'+60.24	LT-3.73	851.51	846.53	4.98	1	-	
	5246-007	40'EJ'+60.93	RT-7.63	851.46	846.46	5.00	1	-	
	5245-023	43'EJ'+89.92	RT-6.48	856.90	849.20	7.70	1	-	
	5245-008	47'EJ'+23.94	RT-8.14	859.06	851.51	7.55	1	-	
	5345-026	48'EJ'+87.49	RT-8.59	858.60	849.89	8.71	1	-	
	5345-019	50'EJ'+54.19	RT-10.48	857.74	848.66	9.08	1	-	
	5345-020	52'EJ'+19.12	RT-8.95	857.00	847.10	9.90	1	-	
	5345-021	53'EJ'+85.12	RT-6.97	856.10	845.78	10.32	1	-	
	5344-007	57'EJ'+15.98	RT-6.52	858.79	851.47	7.32	1	-	
	5344-006	59'EJ'+47.80	RT-6.42	863.22	855.52	7.70	1	-	
	5344-032	61'EJ'+72.25	LT-8.57	861.05	852.70	8.35	1	-	
	5344-031	63'EJ'+62.87	LT-8.07	854.46	847.21	7.25	1	-	
	5344-029	63'EJ'+64.06	RT-15.38	854.76	846.33	8.43	1	-	
	5344-030	64'EJ'+12.85	LT-9.37	-	-	-	1	-	STRUCTURE NOT SURVEYED, REM. STRUCTURE IF FOUND
	5444-014	66'EJ'+89.15	RT-16.14	855.43	844.75	10.68	1	-	
	5444-018	67'EJ'+14.77	RT-45.85	857.09	847.69	9.40	1	-	
	5444-011	67'EJ'+16.38	LT-5.81	855.07	841.27	13.80	1	-	
	5344-027	65'EJ'+53.62	LT-61.59	853.08	842.46	10.62	1	-	
			PROJECT TOTAL				**30**	**1**	

SANITARY SEWER MAIN ABANDONMENT

CATEGORY	FROM STRUCTURE # (OR STA. LOCATION) DWNSTRM	TO STRUCTURE # (OR STA. LOCATION) UPSTREAM	LENGTH UPSTREAM	PAID (Y/N)	SIZE	PIPE MATERIAL	SPV.0035.01 ABANDON SANITARY SEWER WITH SLURRY C.Y.	SPV.0060.031 *ABANDON SANITARY SEWER - PIPE PLUG EACH	NOTES
0010	EX.5148-032	SAS#31	66	Y	6"	VP	-	2	PIPE PLUGS ONLY
	SAS#30(STA 20'EJ'+80.96 RT 89.56)	SAS #24(STA 20'EJ'+78.02 LT 7')	83	Y	8"	VP	-	2	PIPE PLUGS ONLY
	5444-011(STA 67'EJ'+16.38 LT 5.81')	5344-027(STA 65+53.62 LT 61.59')	173	Y	8"	VP	2.22	-	ABANDON WITH SLURRY EX. SANITARY
						PROJECT TOTAL	**2.22**	**4.00**	

*ADDITIONAL ABANDON SANITARY SEWER- PIPE PLUGS QUANTITIES ELSEWHERE IN PLANS

REMOVE SANITARY SEWER PIPE

CATEGORY	FROM STRUCTURE # DWNSTRM	TO STRUCTURE # UPSTREAM	LENGTH	PAID (Y/N)	SIZE	PIPE MATERIAL	SPV.0090.15 REMOVE SANITARY SEWER PIPE L.F.	NOTES
0010	5148-032	5048-001	90.00	N	15"	VP	0.00	
	5148-012	5148-021	29.00	Y	6"	VP	29.00	
	5148-013	STA 13'EJ'+84 RT 11.24'	95.00	Y	6"	VP	95.00	
	STA 13'EJ'+84 RT 11.24'	5148-012	96.00	N	6"	VP	0.00	
	5148-013	STA 14'EJ'+80.17 RT 65.98'	53.00	N	6"	VP	0.00	
	5148-040	5148-013	17.00	Y	6"	VP	17.00	
	5147-040	STA 15'EJ'+86.58 RT 10.79'	160.00	N	6"	VP	0.00	
	STA 15'EJ'+86.58 RT 10.79'	5148-040	90.00	Y	6"	VP	90.00	
	5147-012	5147-011	230.00	N	6"	VP	0.00	
	5147-012	STA 20'EJ'+75.74 LT 63.66'	70.00	N	6"	VP	0.00	
	5147-013	5147-012	333.00	N	8"	VP	0.00	
	5147-001	5147-013	328.00	N	8"	VP	0.00	
	5147-001	STA 27'EJ'+38.27 LT 49'	56.00	N	8"	VP	0.00	
	5246-018	5147-022	267.00	N	6"	VP	0.00	
	EX.SAS#L5	5246-018	307.00	N	6"	VP/ PVC	0.00	
	EX.SAS#L5	5246-026	12.00	Y	8"	PVC	12.00	
	5246-026	STA 34'EJ'+04.67 LT 22.85'	21.00	Y	6"	VP	21.00	
	EX.SAS#L5	5246-012	319.00	N	10"	VP	0.00	
	5246-012	5246-007	329.00	N	8"	VP	0.00	
	5246-007	5246-027	11.00	N	8"	VP	0.00	
	5246-007	5245-023	329.00	N	6"	VP	0.00	
	5245-023	5245-008	334.00	N	6"	VP	0.00	
	5345-026	STA 47'EJ'+84.95 RT 8.64'	102.00	N	6"	VP	0.00	
	5345-019	5345-026	167.00	N	6"	VP	0.00	
	5345-020	5345-019	165.00	N	6"	VP	0.00	
	5345-021	5345-020	166.00	N	6"	VP	0.00	
	5345-021	STA 53'EJ'+84.90 LT 46.38'	53.00	N	6"	VP	0.00	
	5345-021	STA 54'EJ'+25' RT 8'	40.00	N	6"	VP	0.00	
	STA 54'EJ'+25' RT 8'	5344-007	291.00	Y	6"	VP	291.00	
	5344-007	5344-006	232.00	Y	6"	VP	232.00	
	5344-032	PLUG 5344-016(61'EJ'+25.42 LT 9.15')	47.00	Y	6"	VP	47.00	
	5344-031	5344-032	191.00	Y	6"	VP	191.00	
	5344-029	5148-031	24.00	Y	8"	VP	24.00	
	5444-014	5344-029	325.00	N	8"	VP	0.00	
	5444-011	5444-014	35.00	Y	8"	VP	35.00	
	5444-011	5444-018	48.00	N	8"	VP	0.00	
						PROJECT TOTAL	1084.00	

ALL SANITARY SEWER PIPE REMOVALS CALLED OUT ABOVE THAT ARE NOT CALLED OUT FOR PAYMENT LOCATED WITHIN 3' OF THE PROPOSED SEWER ARE ARE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE NEW SANITARY SEWER PIPE IN ACCORDANCE WITH ARTICLE 203.2 THE CITY OF MADISON STANDARD SPECIFICATIONS.

UTILITY TRENCH PATCHES

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	SPV.0090.16 UTILITY TRENCH PATCH TYPE III LF	NOTE
0010	11'EJ'+41.51	LT 0.08	12'EJ'+11.50	LT 69.7	82	N. HAMILTON ST.
	11'EJ'+43.00	LT 0.27	11'EJ'+47.29	LT 82	100	N. BUTLER ST.
	14'EJ'+80.42	RT 71.37	14'EJ'+78.63	RT 3.58	70	N. HANCOCK ST.
	20'EJ'+80.91	RT 81.80'	20'EJ'+81.21	RT 97.48'	15	N. BLAIR ST.
	20'EJ'+78.16	RT 10.10'	20'EJ'+75.80	LT 67.08	78	N. BLAIR ST.
	26'EJ'+38.39	RT 9.47	27'EJ'+38.55	LT 84.58	65	N. BLOUNT ST.
	34'EJ'+14.26	RT 19.19	34'EJ'+04.76	LT 27.62	46	N. LIVINGSTON ST.
	40'EJ'+60.13	RT 10.25	40'EJ'+60.73	LT 8.31	18	N. PATERSON ST.
	53'EJ'+85.03	RT 15.18	53'EJ'+84.97	LT 50.84	66	N. INGERSOLL ST.
	65'EJ'+47.98	LT 66.92	65'EJ'+60.92	LT 50.84	15	E. GORHAM ST.
	67'EJ'+19.99	LT 16.53	67'EJ'+15.14	RT 47.60	64	N.BALDWIN ST.
				PROJECT TOTAL	619	

WATER MAIN AND FITTINGS

STATION	OFFSET	TO STATION	OFFSET	LOCATION	SPV.0090.18 FURNISH & INSTALL 4-IN LF	SPV.0090.19 FURNISH & INSTALL 6-INCH LF	SPV.0090.20 FURNISH & INSTALL 8-INCH LF	SPV.0090.21 FURNISH & INSTALL 10-INCH LF	SPV.0090.22 FURNISH & INSTALL 12-INCH LF	SPV.0090.23 FURNISH & INSTALL 16-INCH LF	SPV.0090.24 FURNISH & INSTALL 20-INCH LF	SPV.0090.25 SELECT FILL FOR WATER MAIN LF	SPV.0090.26 2-INCH FOAM BOARD INSULATION LF	SPV.0060.101 CLAY TRENCH PLUG EACH
10+63.3	1.0'LT	11+46.5	5.5'RT	200 BLK JOHNSON	-	-	-	-	7	83	-	90	8	-
10+88.2	65.2' RT	11+46.5	5.5'RT	200 BLK HAMILTON	-	-	-	-	-	99	-	99	-	-
11+20.3	48.6'RT	11+48.7	94.0'RT	200 BLK BUTLER	6	7	57	-	-	-	-	70	8	-
11+57.3	50.3'LT	11+99.4	61.2' LT	300 BLK HAMILTON	-	-	41	-	-	9	-	50	16	-
11+96.7	58.9'LT	12+10.5	44.9' LT	300 BLK HAMILTON	-	-	-	-	-	21	-	21	-	-
12+04.3	0.1'RT	12+32.2	45.5'LT	300 BLK HAMILTON	-	15	-	-	-	64	-	79	16	-
11+32.1	50.3'LT	11+48.3	88.0'LT	300 BLK BUTLER	-	29	44	-	-	-	-	73	8	-
11+46.5	5.5'RT	14+71.4	0.2'RT	300 BLK JOHNSON	-	25	-	-	-	329	-	354	8	-
14+71.4	0.2'RT	14+92.4	62.5'RT	200 BLK HANCOCK	-	-	-	-	-	-	85	85	8	-
14+71.4	0.2'RT	14+90.3	64.7'LT	300 BLK HANCOCK	18	13	-	-	-	-	87	118	32	-
14+71.4	0.2'RT	17+54.5	0.2'RT	400 BLK JOHNSON	-	-	-	-	-	284	-	284	48	-
17+35.1	49.2'RT	17+54.5	0.2'RT	200 BLK FRANKLIN	-	16	70	-	-	-	-	86	-	-
17+35.5	54.6'LT	17+54.5	0.2'RT	300 BLK FRANKLIN	-	-	78	-	-	-	-	78	8	-
17+54.5	0.2'RT	20+69.4	0.5'LT	500 BLK JOHNSON	-	-	-	-	312	5	-	317	8	-
20+63.7	53.0'RT	20+69.4	0.5'LT	200 BLK BLAIR	-	-	-	57	-	-	-	57	16	-
20+74.9	72.7'LT	20+69.4	0.5'LT	300 BLK BLAIR	8	14	-	72	-	-	-	94	8	-
20+69.4	0.5'LT	27+49.0	1.8'LT	600 BLK JOHNSON	-	52	-	-	681	-	-	733	152	1
27+49.0	23.7'RT	27+49.0	1.8'LT	200 BLK BLOUNT	-	-	31	-	-	-	-	31	8	1
27+32.5	60.5'LT	27+32.2	1.8'LT	300 BLK BLOUNT	-	16	60	-	-	-	-	76	8	1
27+49.0	1.8'LT	33+89.4	1.8'LT	700 BLK JOHNSON	-	27	-	-	643	-	-	670	128	2
33+84.1	2.4'RT	33+84.1	1.8'LT	200 BLK LIVINGSTON	-	-	-	5	-	-	-	5	-	1
33+94.5	58.0'LT	33+89.4	1.8'LT	300 BLK LIVINGSTON	-	22	-	54	-	-	-	76	8	1
33+89.4	1.8'LT	40+68.3	1.8'LT	800 BLK JOHNSON	-	51	-	-	682	-	-	733	176	3
40+47.1	51.5'RT	40+52.2	1.8'LT	200 BLK PATERSON	-	8	-	-	59	-	-	67	8	2
40+68.7	30.1'LT	40+68.3	1.8'LT	300 BLK PATERSON	-	-	30	-	-	-	-	30	8	1
40+68.3	1.8'LT	47+11.4	1.5'LT	900 BLK JOHNSON	-	23	-	-	644	-	-	667	88	1
47+11.4	38.4'RT	47+11.4	1.5'LT	200 BLK BREARLY	-	-	40	-	-	-	-	40	-	-
47+19.1	57.4 'LT	47+11.4	1.5'LT	300 BLK BREARLY	-	10	53	-	-	-	-	63	16	-
47+11.4	1.5'LT	53+94.3	0.2'RT	1000 BLK JOHNSON	-	22	-	-	684	-	-	706	56	-
53+94.3	3.2'RT	53+94.3	0.2'RT	200 BLK INGERSOLL	-	-	3	-	-	-	-	3	8	-
53+74.0	56.3'LT	53+74.0	0.2'RT	300 BLK INGERSOL	-	14	56	-	-	-	-	70	8	-
53+94.3	0.2'RT	60+35.5	1.6'RT	1100 BLK JOHNSON	-	44	-	-	641	-	-	685	32	-
60+46.1	37.3'RT	60+35.5	1.6'RT	200 BLK FEW	-	15	33	-	-	-	-	48	-	-
60+40.9	38.8'LT	60+35.5	1.6'RT	300 BLK FEW	5	13	41	-	-	-	-	59	-	-
60+35.5	1.6'RT	66+91.9	7.1'RT	1200 BLK JOHNSON	-	58	56	-	659	-	-	773	32	-
66+91.9	10.6'RT	66+91.9	7.1'RT	200 BLK BALDWIN	-	-	3	-	-	-	-	3	-	-
66+83.4	13.7'LT	66+83.8	7.2'RT	300 BLK BALDWIN	-	-	21	-	-	-	-	21	8	-
66+91.9	7.1'RT	68+51.8	5.8'LT	1300 BLK JOHNSON	16	-	-	-	179	-	-	195	8	-
N/A*	UNDISTRIBUTED				-	-	-	-	-	-	-	-	88	1
* AS RQ'D AND APPROVED				**TOTAL**	**53**	**494**	**717**	**188**	**5191**	**894**	**172**	**7709**	**944**	**15**

ALL ITEMS ON THIS SHEET ARE INCLUDED IN CATEGORY 0010 OF PROJECT ID 5992-09-13

WATER VALVES

STATION	OFFSET	TO STATION	OFFSET	LOCATION	SPV.0060.044 GATE 4-INCH EACH	SPV.0060.045 GATE 6-INCH EACH	SPV.0060.046 GATE 8-INCH EACH	SPV.0060.047 GATE 10-INCH EACH	SPV.0060.048 GATE 12-INCH EACH	SPV.0060.049 BUTTERFLY 16-INCH EACH	SPV.0060.050 BUTTERFLY 20-INCH EACH	SPV.0060.040 WN8 ABANDON WATER VALVE BOX EACH	SPV.0060.041 WN6 ABANDON WATER VALVE ACCESS STRUCTURE EACH	SPV.0060.043 ADJUST WATER VALVE BOX EACH
10+63.3	1.0'LT	11+46.5	5.5'RT	200 BLK JOHNSON	-	-	-	-	-	-	-	1	-	-
10+88.2	65.2' RT	11+46.5	5.5'RT	200 BLK HAMILTON	-	-	-	-	-	2	-	-	1	-
11+20.3	48.6'RT	11+48.7	94.0'RT	200 BLK BUTLER	-	1	-	-	-	-	-	-	1	-
11+57.3	50.3'LT	11+99.4	61.2' LT	300 BLK HAMILTON	-	-	1	-	-	1	-	-	-	-
11+96.7	58.9'LT	12+10.5	44.9' LT	300 BLK HAMILTON	-	-	-	-	-	-	-	-	-	-
12+04.3	0.1'RT	12+32.2	45.5'LT	300 BLK HAMILTON	-	1	-	-	-	-	-	-	-	-
11+32.1	50.3'LT	11+48.3	88.0'LT	300 BLK BUTLER	-	1	-	-	-		-	-	1	-
11+46.5	5.5'RT	14+71.4	0.2'RT	300 BLK JOHNSON	-	1	-	-	-	4	-	-	1	-
14+71.4	0.2'RT	14+92.4	62.5'RT	200 BLK HANCOCK	-	-	-	-	-	-	1	2	-	-
14+71.4	0.2'RT	14+90.3	64.7'LT	300 BLK HANCOCK	1	1	-	-	-	-	2	1	1	-
14+71.4	0.2'RT	17+54.5	0.2'RT	400 BLK JOHNSON	-	-	-	-	-	2	-	3	1	-
17+35.1	49.2'RT	17+54.5	0.2'RT	200 BLK FRANKLIN	-	1	1	-	-	-	-	2	-	-
17+35.5	54.6'LT	17+54.5	0.2'RT	300 BLK FRANKLIN	-	-	1	-	-	-	-	-	-	-
17+54.5	0.2'RT	20+69.4	0.5'LT	500 BLK JOHNSON	-	-	-	-	2	-	-	2	2	-
20+63.7	53.0'RT	20+69.4	0.5'LT	200 BLK BLAIR	-	-	-	1	-	-	-	-	-	-
20+74.9	72.7'LT	20+69.4	0.5'LT	300 BLK BLAIR	-	1	-	1	-	-	-	-	1	-
20+69.4	0.5'LT	27+49.0	1.8'LT	600 BLK JOHNSON	-	2	-	-	3	-	-	2	3	-
27+49.0	23.7'RT	27+49.0	1.8'LT	200 BLK BLOUNT	-	-	1	-	-	-	-	-	-	-
27+29.5	57.4'LT	27+32.2	1.8'LT	300 BLK BLOUNT	-	1	1	-	-	-	-	1	-	-
27+49.0	1.8'LT	33+89.4	1.8'LT	700 BLK JOHNSON	-	-	-	-	4	-	-	1	3	-
33+84.1	2.4'RT	33+84.1	1.8'LT	200 BLK LIVINGSTON	-	-	-	1	-	-	-	1	-	-
33+94.5	58.0'LT	33+89.4	1.8'LT	300 BLK LIVINGSTON	-	2	-	-	-	-	-	-	1	-
33+89.4	1.8'LT	40+68.3	1.8'LT	800 BLK JOHNSON	-	2	-	-	3	-	-	1	3	-
40+47.1	51.5'RT	40+52.2	1.8'LT	200 BLK PATERSON	-	1	-	-	1	-	-	2	-	-
40+68.7	30.1'LT	33+89.4	1.8'LT	300 BLK PATERSON	-	-	1	-	-	-	-	1	-	-
40+68.3	1.8'LT	47+11.4	1.5'LT	900 BLK JOHNSON	-	1	-	-	3	-	-	5	1	-
47+11.4	38.4'RT	47+11.4	1.5'LT	200 BLK BREARLY	-	-	1	-	-	-	-	2	-	-
47+19.1	57.4 'LT	47+11.4	1.5'LT	300 BLK BREARLY	-	1	-	-	-	-	-	1	-	-
47+11.4	1.5'LT	53+94.3	0.2'RT	1000 BLK JOHNSON	-	1	-	-	2	-	-	4	-	-
53+94.3	3.2'RT	53+94.3	0.2'RT	200 BLK INGERSOLL	-	-	1	-	-	-	-	-	-	-
53+74.0	56.3'LT	53+74.0	0.2'RT	300 BLK INGERSOL	-	1	2	-	-	-	-	2	-	-
53+94.3	0.2'RT	60+35.5	1.6'RT	1100 BLK JOHNSON	-	2	-	-	3	-	-	6	-	-
60+46.1	37.3'RT	60+35.5	1.6'RT	200 BLK FEW	-	1	-	-	-	-	-	-	-	-
60+40.9	38.8'LT	60+35.5	1.6'RT	300 BLK FEW	-	1	-	-	-	-	-	1	-	-
60+35.5	1.6'RT	66+91.9	7.1'RT	1200 BLK JOHNSON	-	4	1	-	3	-	-	4	-	-
66+91.9	10.6'RT	66+91.9	7.1'RT	200 BLK BALDWIN	-	-	1	-	-	-	-	-	-	-
66+83.4	13.7'LT	66+83.8	7.2'RT	300 BLK BALDWIN	-	-	1	-	-	-	-	1	-	-
66+91.9	7.1'RT	68+51.8	5.8'LT	1300 BLK JOHNSON	1	-	-	-	2	-	-	5	-	-
N/A*		N/A*		UNDISTRIBUTED	-	-	-	-	-	-	-	3	3	7
* AS RQ'D AND APPROVED				**TOTAL**	**2**	**27**	**13**	**3**	**26**	**9**	**3**	**54**	**23**	**7**

ALL ITEMS ON THIS SHEET ARE INCLUDED IN CATEGORY 0010 OF PROJECT ID 5992-09-13

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COPPER WATER SERVICE LATERALS & ASSOCIATED ITEMS

STATION TO	STATION	MAIN LOCATION	SPV.0090.27 WN2 EXTEND AND RECONNECT SERVICE LATERAL 1-INCH LF	SPV.0090.28 WN2 EXTEND AND RECONNECT SERVICE LATERAL 1.5-INCH LF	SPV.0090.29 WN2 EXTEND AND RECONNECT SERVICE LATERAL 2-INCH LF	SPV.0090.30 WN11 REPLACE COPPER SERVICE LATERAL 1-INCH LF	SPV.0090.31 WN11 REPLACE COPPER SERVICE LATERAL 1.5 & 2-INCH LF	SPV.0060.051 WN4 DISCONNECT/ RECONNECT SERVICE LATERAL 1-INCH EACH	SPV.0060.052 WN4 DISCONNECT/ RECONNECT SERVICE LATERAL 1.5 OR 2-INCH EACH	SPV.0060.056 WN3 ABANDON EXISTING CURB BOX EACH	SPV.0060.058 CASE SERVICE LATERAL EACH	SPV.0060.054 FURNISH & INSTALL CURB BOX EACH	SPV.0060.055 FURNISH & INSTALL CURB STOP EACH	SPV.0060.053 ADJUST WATER SERVICE BOX EACH
10+00	12+00	200 BLK BUTLER	12	-		-	-	-	-	1	-	-	-	-
10+00	12+00	300 BLK BUTLER	-	17	-	-	-	-	-	-	-	-	-	-
12+00	14+75	300 BLK JOHNSON	17	-	10	57	-	1	-	3	-	-	1	-
14+75	17+50	400 BLK JOHNSON	-	-	-	27	-	3	-	-	-	-	-	-
17+50	20+75	500 BLK JOHNSON	-	-	-	218	-	3	-	-	-	-	-	-
20+50	20+00	300 BLK BLAIR	-	-	-	-	-	1	-	-	-	-	-	-
20+75	27+50	600 BLK JOHNSON	286	-	26	153	32	-	-	7	2	-	1	-
27+50	34+00	700 BLK JOHNSON		-	-	760	-	-	-	1	-	-	-	-
34+00	40+50	800 BLK JOHNSON	54	26	-	689	-	1	-	1	1	-	-	-
40+50	47+25	900 BLK JOHNSON	59	19	8	80	-	14	1	-	-	-	-	-
47+25	54+00	1000 BLK JOHNSON	88	-	-	60	-	13	1	-	-	-	1	-
54+00	60+50	1100 BLK JOHNSON	80	20	-	88	-	10	-	-	-	-	-	-
60+50	67+00	1200 BLK JOHNSON	36	-	25	66	-	8	-	-	-	-	1	-
N/A*		UNDISTRIBUTED	-	-	-	-	-	-	-	-	3	12	12	36
		TOTAL	**632**	**82**	**69**	**2198**	**32**	**54**	**2**	**13**	**6**	**12**	**16**	**36**

* AS RQ'D AND APPROVED

ALL ITEMS ON THIS SHEET ARE INCLUDED IN CATEGORY 0010 OF PROJECT ID 5992-09-13

WATER MAIN CONNECTIONS

STATION	OFFSET	LOCATION	SPV.0060.039 CUT OFF EXISTING WATER MAIN EACH	SPV.0060.037 CUT-IN CONNECTION EACH	SPV.0060.057 FURNISH EXCAVATION & DITCH FOR LIVE TAP EACH	NO BID ITEM PLUG-REMOVAL CONNECTION	SPV.0090.16 UTILITY TRENCH PATCH TYPE III ** LF	EXISTING MAIN DIAM.	NOTES
10+63.6	1.0 LT	200 BLK JOHNSON	1	-	1	-	15	12-INCH	
10+88.2	65.2 RT	200 BLK HAMILTON	-	1	-	-	-	14-INCH	
11+44.8	32.0 RT	200 BLK HAMILTON	1	-	-	-	-	14-INCH	16"X 14" RDCR & 16" CAP AT EX TEE; SIMULTANEOUS W/ CUT-IN AT STA 10+88.2 65.2 RT
11+48.7	94.0 RT	200 BLK BUTLER	1	-	1	-	15	4-INCH	
11+99.4	61.2 LT	300 BLK HAMILTON	-	1	-	-	-	16-INCH	
11+48.3	88.0 LT	300 BLK BUTLER	1	-	1	-	-	6-INCH	
14+91.4	4.5 LT	JOHNSON/HANCOCK	1	-	-	-	-	20-INCH	CAP AT PHASE LIMITS; SIMULTANEOUS W/ CUT-IN AT STA 14+92.4 65.2 RT
14+92.4	62.5 RT	200 BLK HANCOCK	-	1	-	-	-	20-INCH	
14+90.3	67.6 LT	300 BLK HANCOCK	-	1	-	-	-	20-INCH	
14+92.7	55.6 LT	300 BLK HANCOCK	-	1	-	-	-	4-INCH	4-INCH SERVICE CONNECTION
17+35.0	303 LT	JOHNSON/FRANKLIN	1	-	-	-	-	8-INCH	CAP AT PHASE LIMITS; SIMULTANEOUS W/ CUT-IN AT STA 17+35.1 49.2 RT
17+35.1	49.2 RT	200 BLK FRANKLIN	-	1	-	-	-	8-INCH	
17+35.5	54.6 LT	300 BLK FRANKLIN	-	1	-	-	-	8-INCH	
20+62.0	4.0 LT	JOHNSON/BLAIR	1	-	-	-	-	10-INCH	CAP AT PHASE LIMITS; SIMULTANEOUS W/ CUT-IN AT STA 20+63.7 53.0 RT
20+63.7	53.0 RT	200 BLK BLAIR	-	1	-	-	-	10-INCH	
20+74.9	72.7 LT	300 BLK BLAIR	1	-	1	-	-	4-INCH	
23+17.1	28.5 LT	600 BLK JOHNSON	-	1	-	-	-	6-INCH	6-INCH SERVICE CONNECTION
27+49.0	23.7 RT	200 BLK BLOUNT	-	1	-	-	-	8-INCH	
27+32.5	60.5 LT	300 BLK BLOUNT	-	1	-	-	-	8-INCH	
27+49.6	7.4 LT	JOHNSON/BLOUNT	1	-	-	-	-	8-INCH	CAP AT PHASE LIMITS; SIMULTANEOUS W/ CUT-IN AT STA 27+49.0 23.7 RT
33+84.1	2.4 RT	200 BLK LIVINGSTON	-	-	-	1	-	10-INCH	
33+94.5	58.0 LT	300 BLK LIVINGSTON	-	1	-		-	6-INCH	
40+47.1	51.0 RT	200 BLK PATERSON	-	1	-	-	-	12-INCH	
40+57.1	46.1 RT	200 BLK PATERSON	-	1	-	-	-	6-INCH	
40+48.3	6.5 LT	JOHNSON/PATERSON	1	-	-	-	-	12-INCH	CAP AT PHASE LIMITS; SIMULTANEOUS W/ CUT-IN AT STA 40+47.1 51.0 RT
40+58.7	6.5 LT	JOHNSON/PATERSON	1	-	-	-	-	6-INCH	CAP AT PHASE LIMITS; SIMULTANEOUS W/ CUT-IN AT STA 40+57.1 46.1 RT
40+68.7	30.1 LT	300 BLK PATERSON	-	1	-	-	-	8-INCH	
47+11.4	38.4 RT	200 BLK BREARLY	-	-	-	1	15	8-INCH	
47+19.1	57.4 LT	300 BLK BREARLY	-	1	-	-	-	6-INCH	
47+17.2	3.5 LT	JOHNSON/BREARLY	1	-	-	-	-	6-INCH	CAP AT EX. 6"X6" TEE; SIMULTANEOUS W/ PLUG REMOVAL AT STA 47+11.4 38.4 RT
53+94.3	3.2 RT	200 BLK INGERSOLL	-	1	-	-	-	8-INCH	
53+74.0	56.3 LT	300 BLK INGERSOL	-	1	-	-	-	8-INCH	
60+46.1	37.3 RT	200 BLK FEW	-	1	-	-	-	6-INCH	
60+40.9	38.8 LT	300 BLK FEW	1	-	1	-	-	4-INCH	
65+80.4	50.3 LT	1200 BLK GORHAM	-	1	-	-	-	6-INCH	
66+91.9	10.6 RT	200 BLK BALDWIN	-	1	-	-	-	8-INCH	
66+83.4	13.7 LT	300 BLK BALDWIN	-	1	-	-	-	8-INCH	
68+42.8	14.6 LT	1300 BLK JOHNSON	-	1	-	-	-	12-INCH	
68+51.8	5.8 LT	1300 BLK JOHNSON	-	1	-	-	-	4-INCH	
N/A*	UNDISTRIBUTED		6	2	2	-	105	VARIES	
		TOTAL	**19**	**26**	**7**	**2**	**150**		

* AS RQ'D AND APPROVED

** ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

ALL ITEMS ON THIS SHEET ARE INCLUDED IN CATEGORY 0010 OF PROJECT ID 5992-09-13

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HYDRANTS

STATION	OFFSET	TO STATION	OFFSET	LOCATION	SPV.0060.038 FURNISH & INSTALL HYDRANT EACH	SPV.0060.042 WN10 ABANDON HYDRANT EACH
10+63.3	1.0'LT	11+46.5	5.5'RT	200 BLK JOHNSON	-	1
10+88.2	65.2' RT	11+46.5	5.5'RT	200 BLK HAMILTON	-	-
11+20.3	48.6'RT	11+48.7	94.0'RT	200 BLK BUTLER	1	-
11+57.3	50.3'LT	12+02.8	52.7' LT	300 BLK HAMILTON	-	-
11+99.4	61.2'LT	12+10.5	44.9' LT	300 BLK HAMILTON	-	-
12+04.3	0.1'RT	12+32.2	45.5'LT	300 BLK HAMILTON	1	-
11+32.1	50.3'LT	11+48.3	88.0'LT	300 BLK BUTLER	1	1
11+46.5	5.5'RT	14+71.4	0.2'RT	300 BLK JOHNSON	1	1
14+71.4	0.2'RT	14+92.4	62.5'RT	200 BLK HANCOCK	-	1
14+71.4	0.2'RT	14+90.3	64.7'LT	300 BLK HANCOCK	1	-
14+71.4	0.2'RT	17+54.5	0.2'RT	400 BLK JOHNSON	-	1
17+35.1	49.2'RT	17+54.5	0.2'RT	200 BLK FRANKLIN	1	1
17+35.5	54.6'LT	17+54.5	0.2'RT	300 BLK FRANKLIN	-	-
17+54.5	0.2'RT	20+69.4	0.5'LT	500 BLK JOHNSON	-	1
20+63.7	53.0'RT	20+69.4	0.5'LT	200 BLK BLAIR	-	-
20+74.9	72.7'LT	20+69.4	0.5'LT	300 BLK BLAIR	1	-
20+69.4	0.5'LT	27+49.0	1.8'LT	600 BLK JOHNSON	1	2
27+49.0	23.7'RT	27+49.0	1.8'LT	200 BLK BLOUNT	-	-
27+29.5	57.4'LT	27+32.2	1.8'LT	300 BLK BLOUNT	1	-
27+49.0	1.8'LT	33+89.4	1.8'LT	700 BLK JOHNSON	1	2
33+84.1	2.4'RT	33+84.1	1.8'LT	200 BLK LIVINGSTON	-	-
33+94.5	58.0'LT	33+89.4	1.8'LT	300 BLK LIVINGSTON	1	-
33+89.4	1.8'LT	40+68.3	1.8'LT	800 BLK JOHNSON	2	2
40+47.1	51.5'RT	40+52.2	1.8'LT	200 BLK PATERSON	-	-
40+68.7	30.1'LT	33+89.4	1.8'LT	300 BLK PATERSON	-	-
40+68.3	1.8'LT	47+11.4	1.5'LT	900 BLK JOHNSON	1	2
47+11.4	38.4'RT	47+11.4	1.5'LT	200 BLK BREARLY	-	-
47+19.1	57.4 'LT	47+11.4	1.5'LT	300 BLK BREARLY	-	-
47+11.4	1.5'LT	53+94.3	0.2'RT	1000 BLK JOHNSON	1	1
53+94.3	3.2'RT	53+94.3	0.2'RT	200 BLK INGERSOLL	-	-
53+74.0	56.3'LT	53+74.0	0.2'RT	300 BLK INGERSOL	1	1
53+94.3	0.2'RT	60+35.5	1.6'RT	1100 BLK JOHNSON	2	2
60+46.1	37.3'RT	60+35.5	1.6'RT	200 BLK FEW	-	-
60+40.9	38.8'LT	60+35.5	1.6'RT	300 BLK FEW	1	-
60+35.5	1.6'RT	66+91.9	7.1'RT	1200 BLK JOHNSON	3	1
66+91.9	10.6'RT	66+91.9	7.1'RT	200 BLK BALDWIN	-	-
66+83.4	13.7'LT	66+83.8	7.2'RT	300 BLK BALDWIN	-	-
66+91.9	7.1'RT	68+51.8	5.8'LT	1300 BLK JOHNSON	-	1
				TOTAL	**22**	**21**

ALL ITEMS ON THIS SHEET ARE INCLUDED IN CATEGORY 0010 OF PROJECT ID 5992-09-13

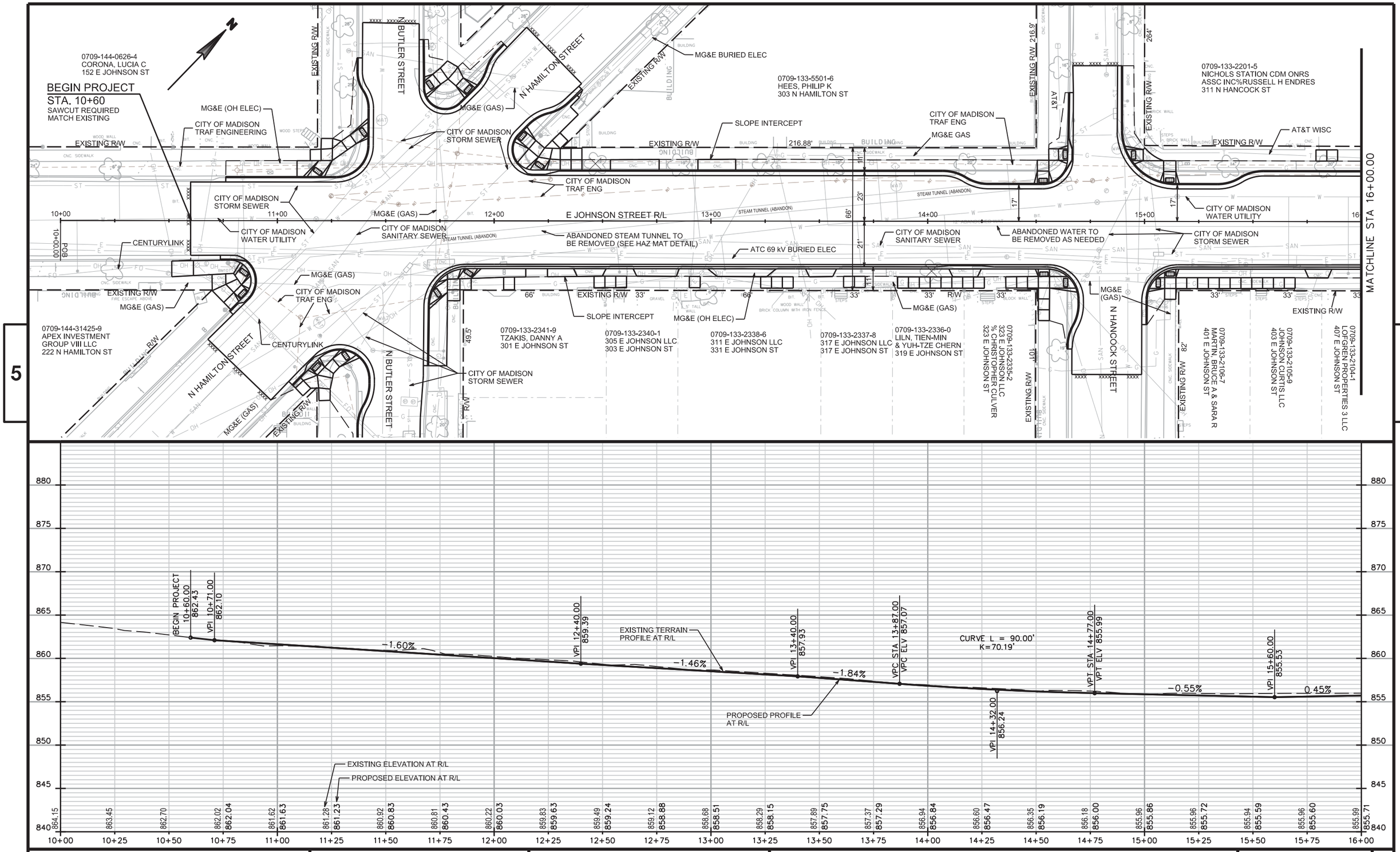
WATER MISC.

LOCATION	SPV.0060.021 FLUID THERMAL BACKFILL** EACH	SPV.0105.04 CONSTRUCTION STAKING WATER MAIN LUMP SUM	SPV.0060.010 UTILITY LINE OPENING** EACH
STA 11+46.5 16.0 RT	1		
STA 12+12.2 16.7 RT	1		
SVC LATERAL @ 319 E. JOHNSON	1		
STA 14+71.4 18.0 RT	1		
SVC LATERAL @ 411 E. JOHNSON	1		
STA 17+55.0 19.0 RT	1		
SVC LATERAL @ 511 E. JOHNSON	1		
STA 20+69.4 17.8 RT	1		
SVC LATERAL, 600 BLK E. JOHNSON, ODD SIDE	13		
N/A	3*	1	3*
TOTAL	**24**	**1**	**3**

* UNDISTRIBUTED, AS R'QD & APPROVED

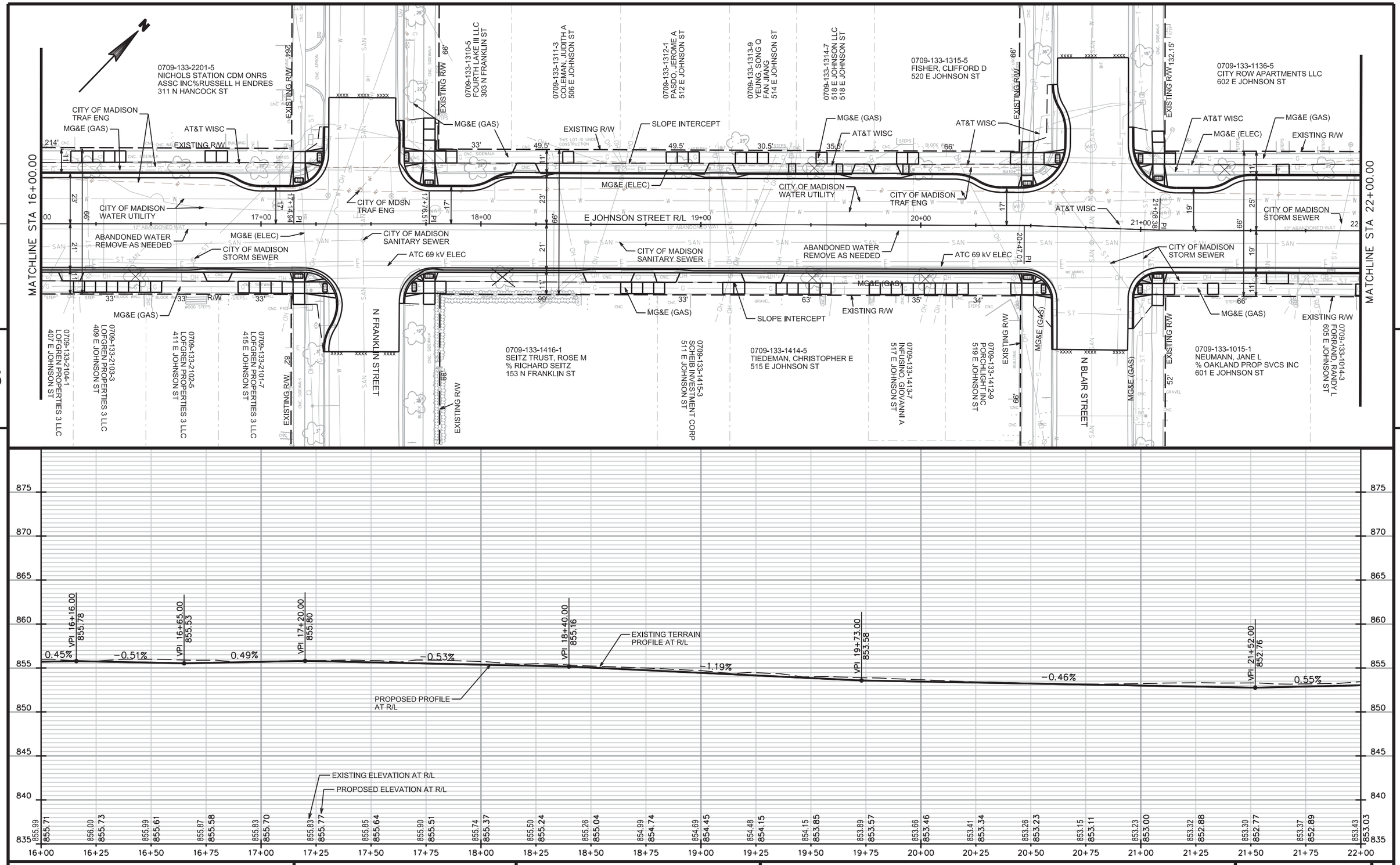
** ADDITIONAL QUANTITIES ELSEWHERE IN PLANS

ALL ITEMS ON THIS SHEET ARE INCLUDED IN CATEGORY 0010 OF PROJECT ID 5992-09-13

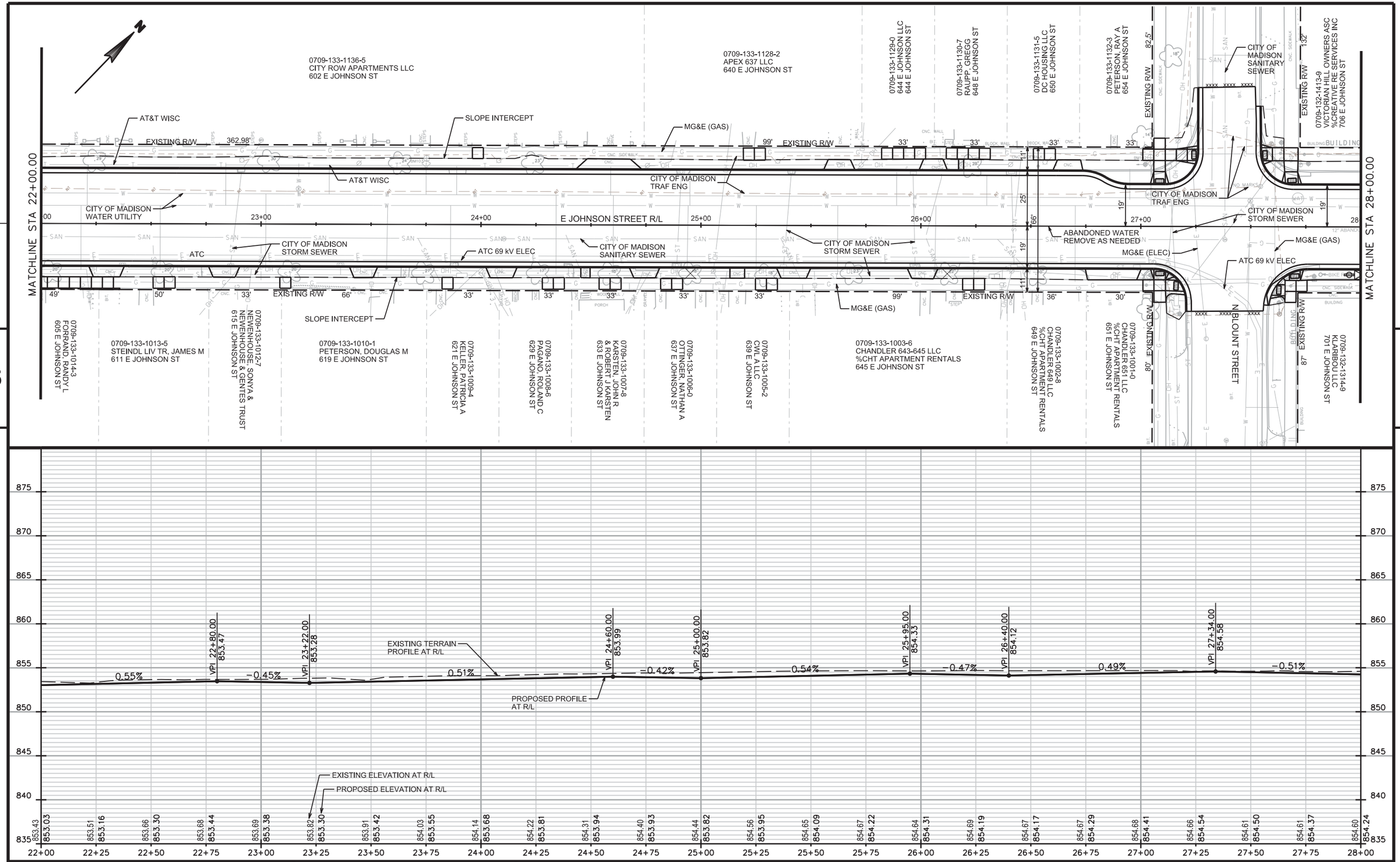


PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\PSE\Final\Plans\Sections\Street\DGNs\Plan&Profile\53W0740EN-PnP**1.dgn PLOT DATE : 11/25/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 40.0000 sf / in.



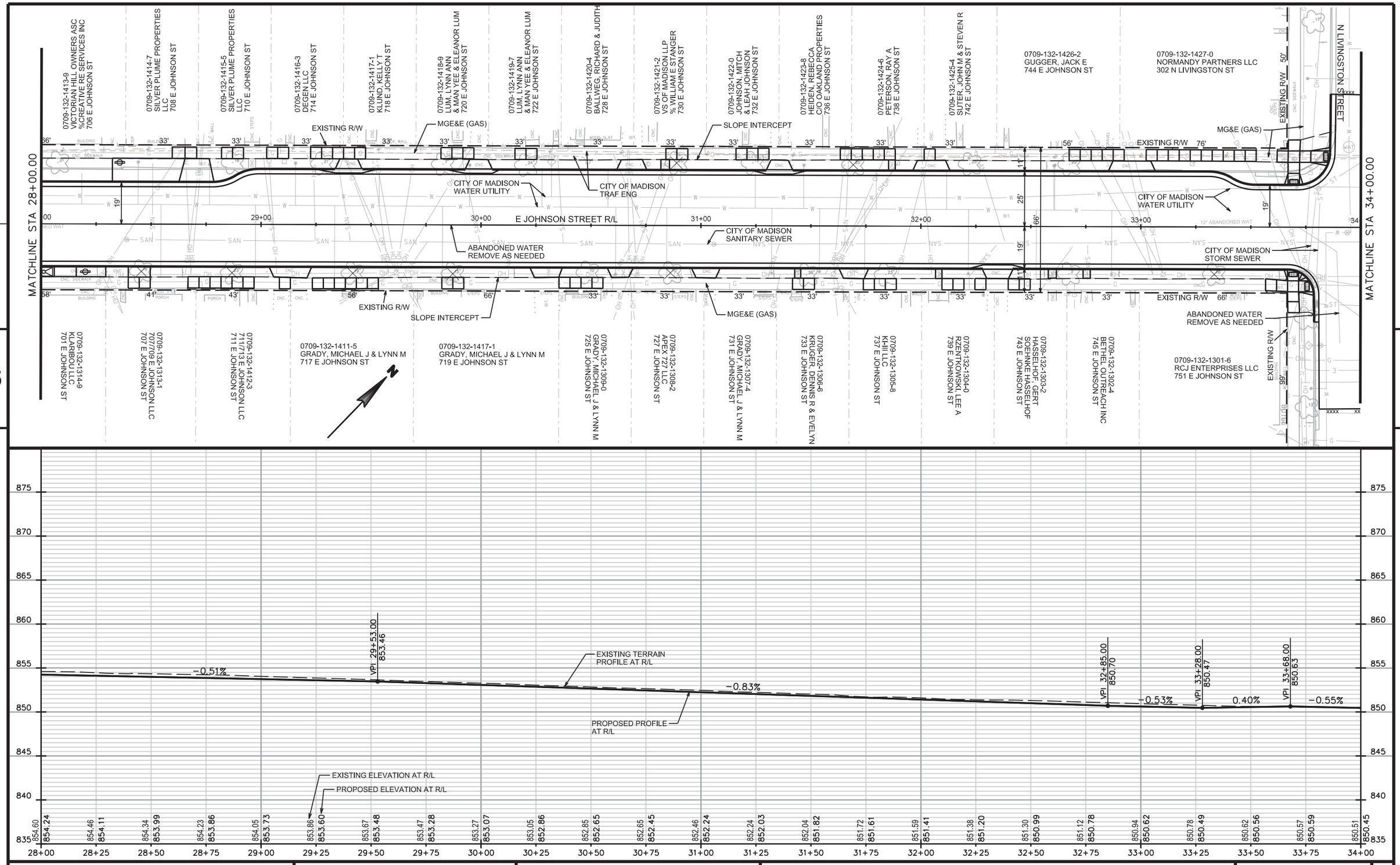
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET 314	E



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\PSE\Final\Plans\Sections\Street\DGNs\Plan&Profile\53W0740EN-PnP**3.dgn PLOT DATE : 11/25/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40



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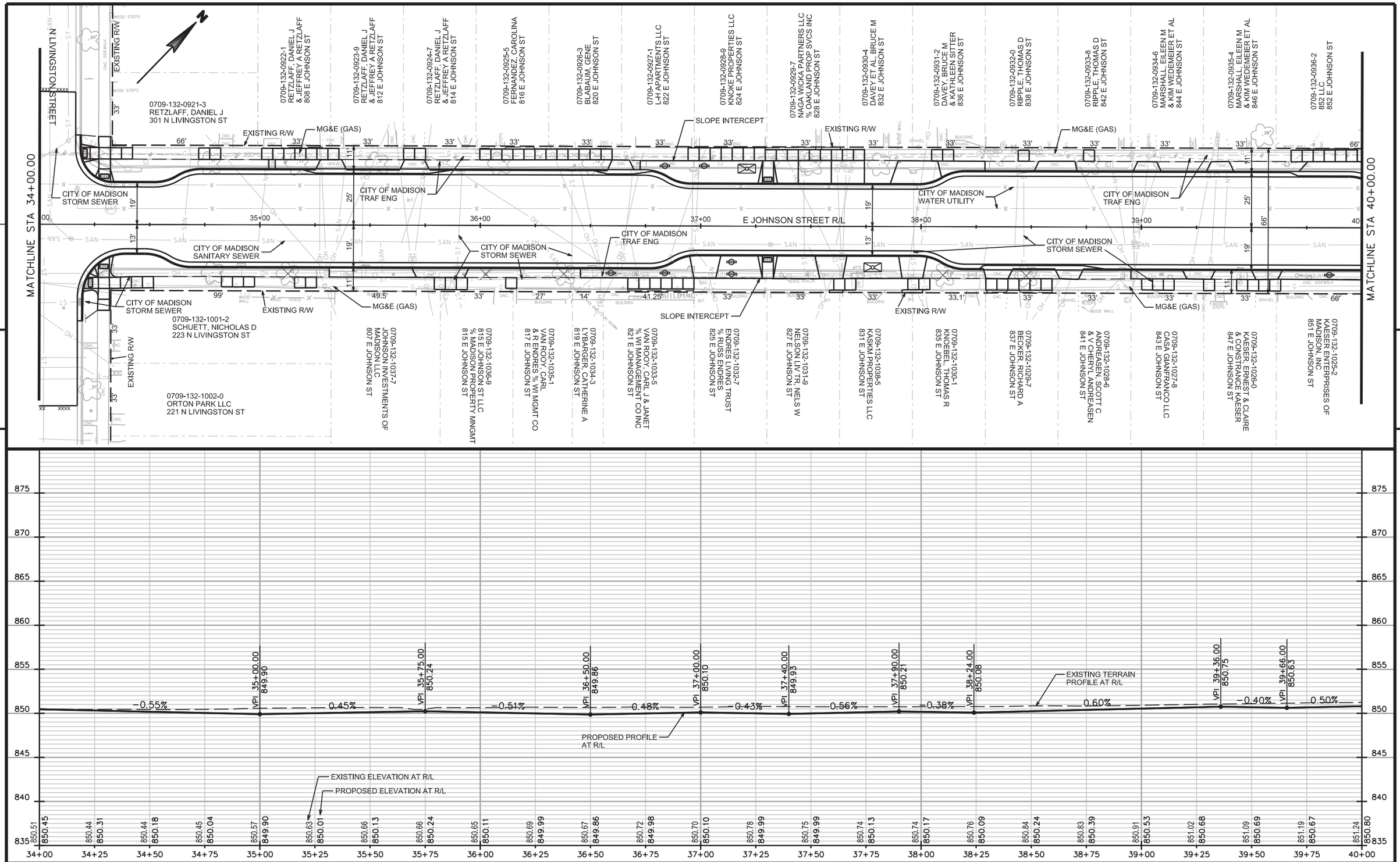
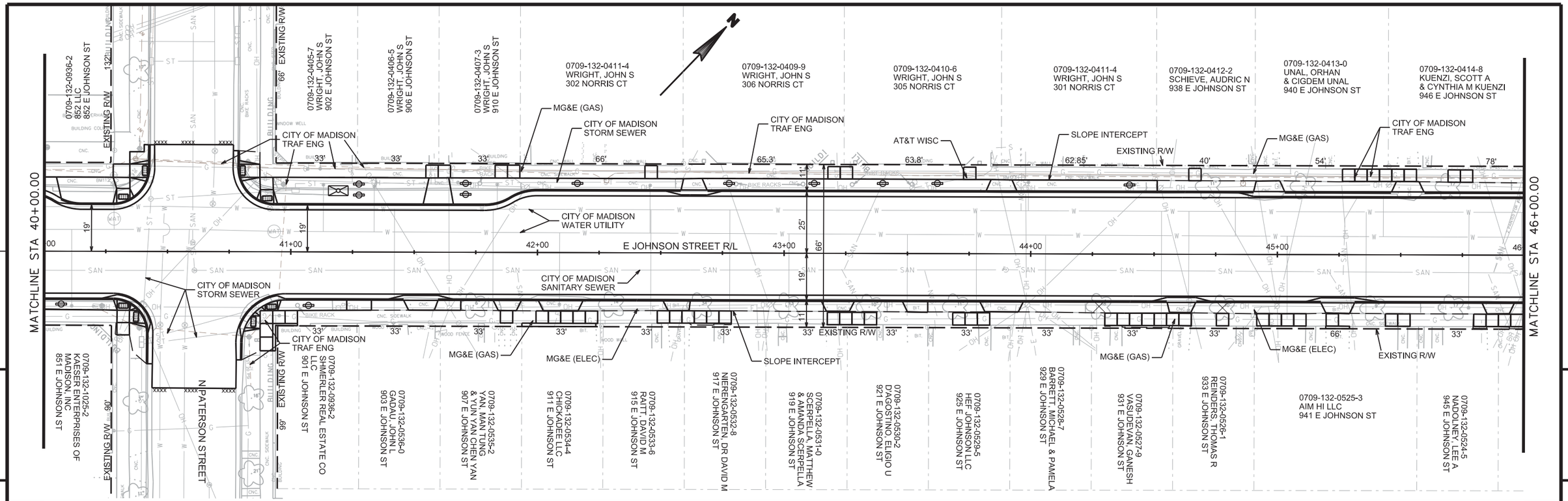
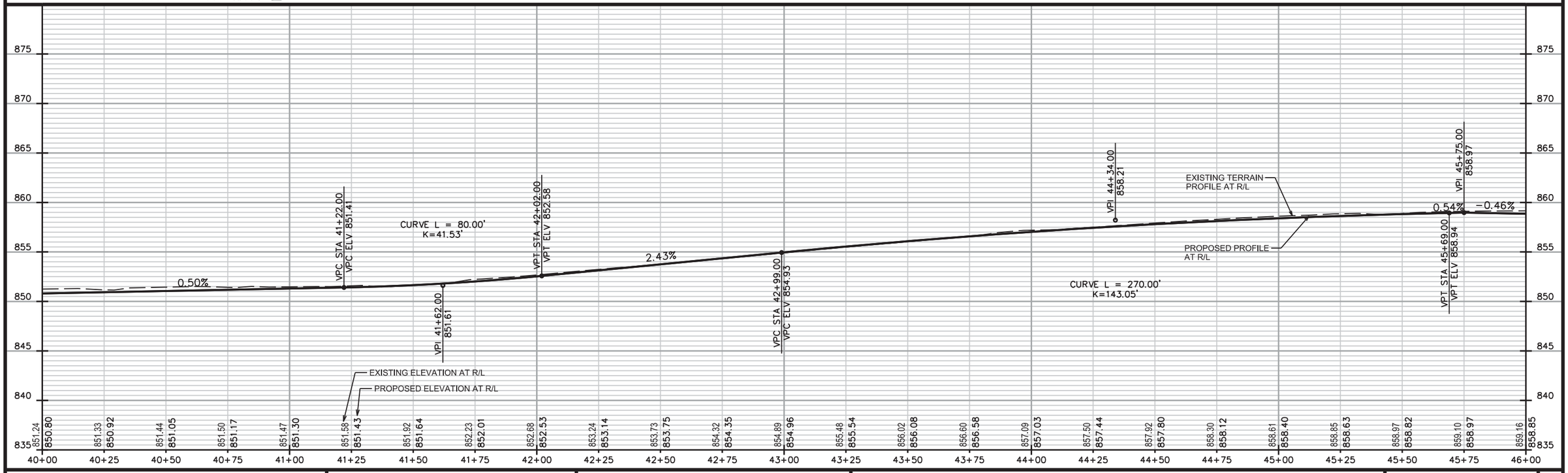


PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET E

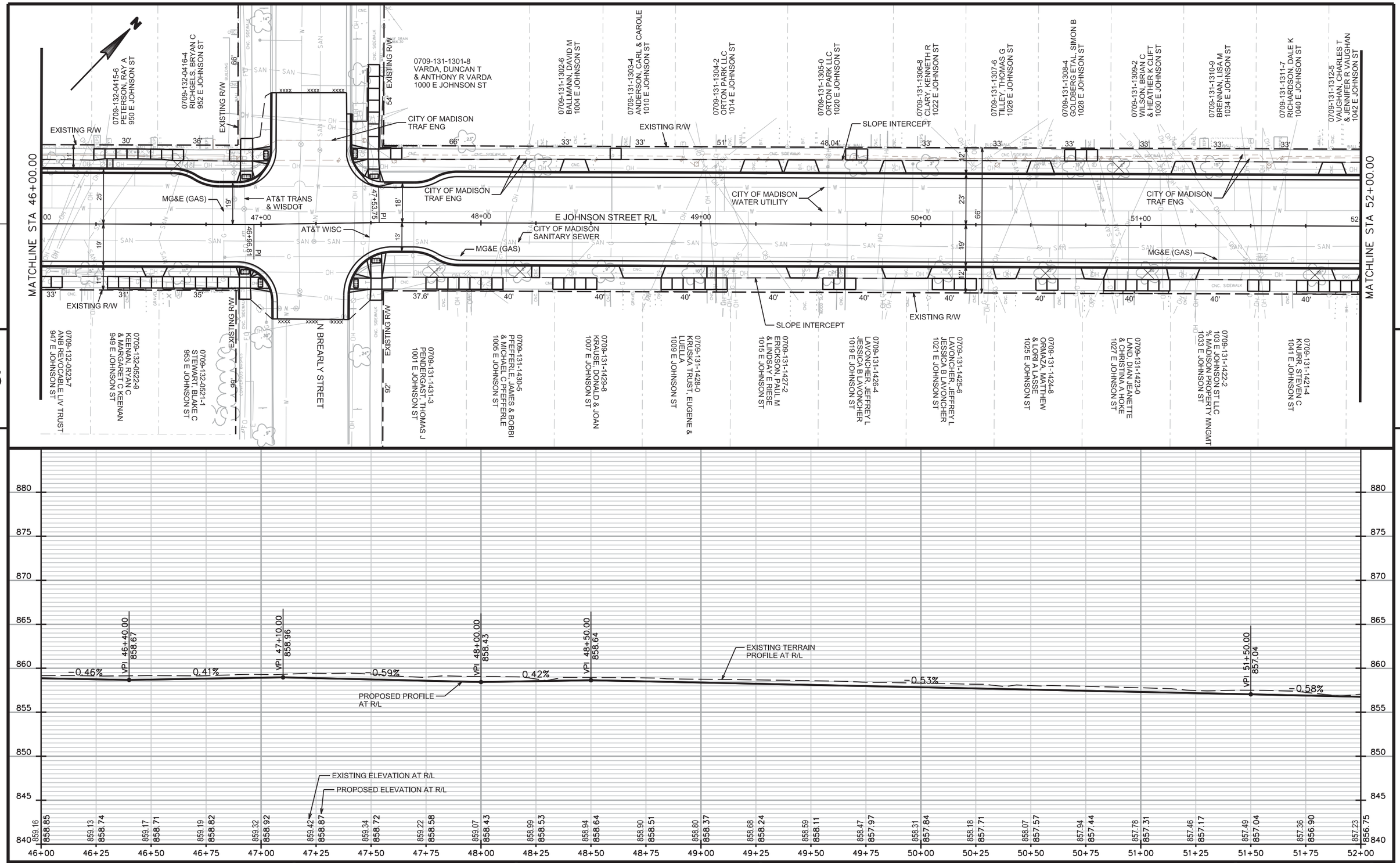
FILE NAME : M:\DESIGN\Projects\53W0740\PSE\Final\Plans\Sections\Street\DGNs\Plan&Profile\53W0740EN-PnP**5.dgn PLOT DATE : 11/25/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40





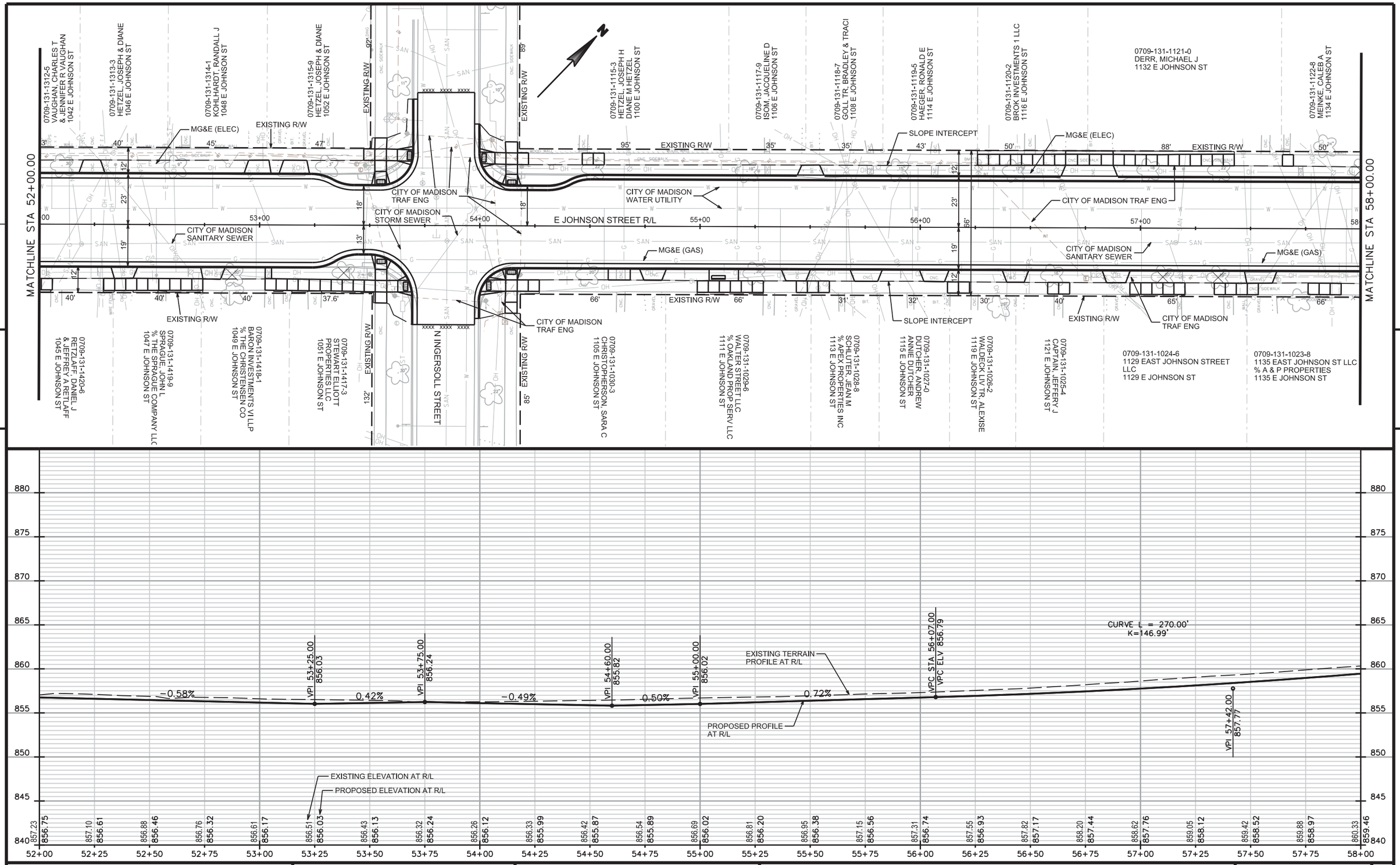
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET 318 E



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET 319	E

FILE NAME : M:\DESIGN\Projects\53W0740\PSE\Final\Plans\Sections\Street\DGNs\Plan&Profile\53W0740EN-PnP**7.dgn PLOT DATE : 11/25/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40



PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET 320 E

FILE NAME : M:\DESIGN\Projects\53W0740\PSE\Final\Plans\Sections\Street\DGNs\Plan&Profile\53W0740EN-PnP**8.dgn PLOT DATE : 11/25/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40

MATCHLINE STA 58+00.00

MATCHLINE STA 64+00.00

0709-131-1123-6
BUDZISZ, JEFFREY J
& OSCAR & KAREN SEIBEL
1140 E JOHNSON ST

0709-131-1124-4
HOLTER, KJERSTA K
1144 E JOHNSON ST

0709-131-1125-2
1150 EAST JOHNSON STREET
LLC % MADISON PROP MNGMT
1150 E JOHNSON ST

0709-131-1126-0
DAY INVESTMENTS LLC
1152 E JOHNSON ST

0709-131-0404-1
RICHTER, CHERIE R
& CHRISTOPHER J RICHTER
1204 E JOHNSON ST

0709-131-0405-9
RETZLAFF, DANIEL J
& JEFFREY A RETZLAFF
1208 E JOHNSON ST

0709-131-0406-7
DETTMAN, DAVID W
& PIYANUT SRIPANAWONGSA
1212 E JOHNSON ST

0709-131-0407-5
CITY OF MADISON CDA
1225 E GORHAM ST

0709-131-1022-0
DONNELLY, MICHAEL S
1141 E JOHNSON ST

0709-131-1021-2
DONNELLY, MICHAEL S
1143 E JOHNSON ST

0709-131-1020-4
BERTAGNOLI, CHRIS A
1145 E JOHNSON ST

0709-131-1019-7
GOLD, ALAN
MARY LOU SNOWDEN
1151 E JOHNSON ST

0709-131-0501-5
APEX INVESTMENT GROUP VI
LLC
221 N FEW ST

0709-131-0530-4
FATSIS, ARIS
& BETH L FATSIS
1215 E JOHNSON ST

0709-131-0529-7
MAGLI, SHERRY L
1217 E JOHNSON ST

0709-131-0528-9
OROSZ MARITAL TR, JANET S
1221 E JOHNSON ST

0709-131-0527-1
MITCHELL, GENE R
& JANIS I ARNOVICH
1225 E JOHNSON ST

0709-131-0526-3
HAMMER, CLIFF GEORGE
& NICOLE MILLER
1229 E JOHNSON ST

CITY OF MADISON TRAF ENG
CITY OF MADISON WATER UTILITY
CITY OF MADISON SANITARY SEWER
AT&T WISC
MG&E (GAS)
MG&E (ELEC)
CENTURYLINK
AT&T
SLOPE INTERCEPT
EXISTING R/W
N FEW STREET
E JOHNSON STREET R/L
CITY OF MADISON CDA

49.5' 49.5' 51.8' 47.2' 132' 110' 66' 33' 33' 288' 64'
38' 61' 44' 55' 132' 33' 33' 33' 40' 59'
12' 23' 69' 17' 15' 19' 12' 15' 17.5' 66' 15' 18.5' 15'

59+33.63 PI
61+53.36 PI
59+00 60+00 61+00 62+00 63+00

0.52% −0.48% 2.56% −4.12%

CURVE L = 270.00'
K=146.99'

CURVE L = 100.00'
K=48.95'

CURVE L = 115.00'
K=31.62'

CURVE L = 150.00'
K=41.48'

EXISTING TERRAIN PROFILE AT R/L

PROPOSED PROFILE AT R/L

VPT STA 58+77.00
VPT ELV 861.23

VPC STA 59+42.00
VPC ELV 862.89

VPI 59+92.00
864.17

VPT STA 60+42.00
VPT ELV 864.43

VPC STA 60+52.50
VPC ELV 864.46

VPI 60+50.00
864.47

VPI 61+10.00
864.18

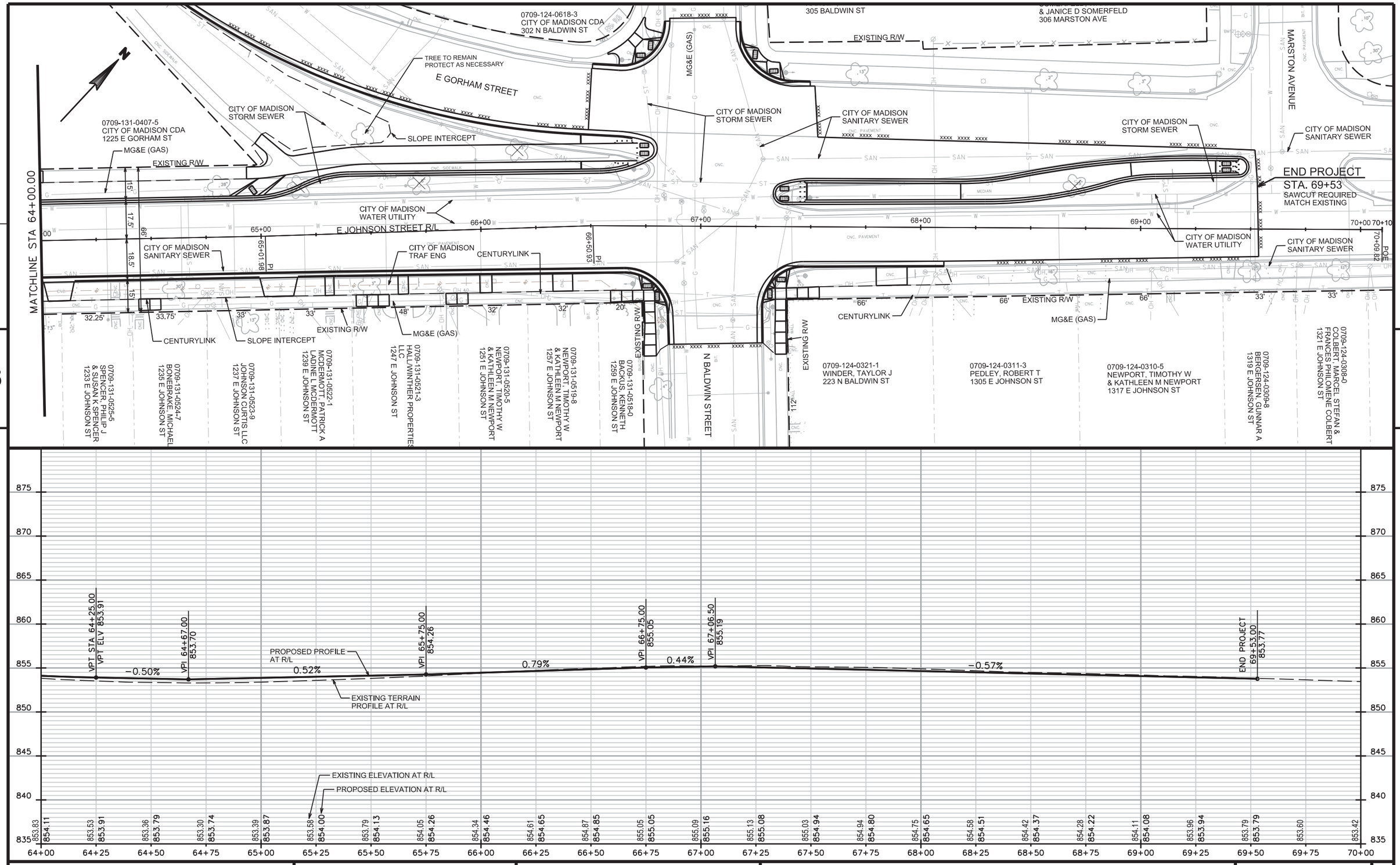
VPT STA 61+67.50
VPT ELV 861.81

VPC STA 62+75.00
VPC ELV 857.38

VPI 63+50.00
854.29

EXISTING ELEVATION AT R/L
PROPOSED ELEVATION AT R/L

| | | |

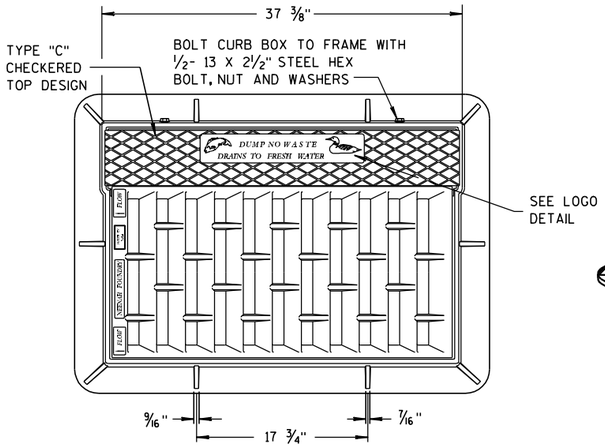


PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	PLAN & PROFILE	SHEET 322	E

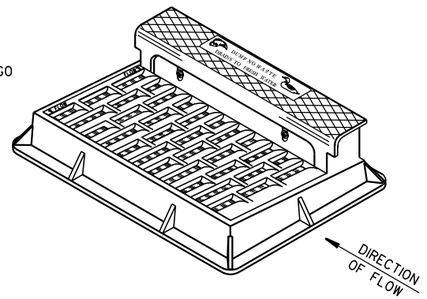
Standard Detail Drawing List

08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B10-01	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D05-15A	CURB RAMPS TYPES 1 AND 1-A
08D05-15B	CURB RAMPS TYPES 2 AND 3
08D05-15C	CURB RAMPS TYPES 4A AND 4A1
08D05-15D	CURB RAMPS TYPE 4B AND 4B1
08D05-15E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E04-02	SOD OR MASONRY AND SOD DITCH CHECKS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09C03-03	TRANSFORMER/PEDESTAL BASES
09C11-03	CONCRETE BASE TYPE 10
09D01-04	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E03-04	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E08-04A	TYPE 9 POLE 15'-30' MONOTUBE ARM
09F01-03	DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT
09F08-03	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F15-03A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-03B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-03A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
14A01-03	TREE PRESERVATION DETAILS
14B07-13A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-13H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C23-02	30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE

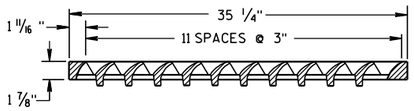
6

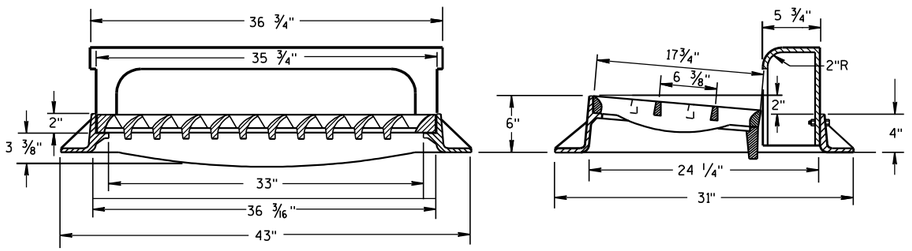


NOTE:
GRATE IS REVERSIBLE.



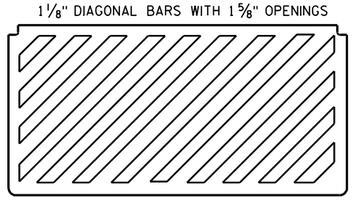
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"





TYPE "H"

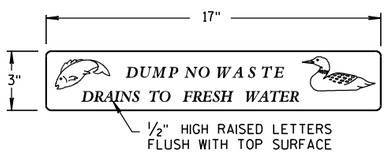
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 159 LBS.)
GRATE..... 159 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL

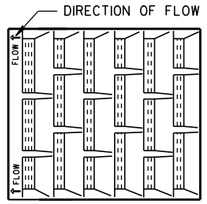
GENERAL NOTES

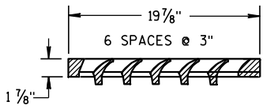
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

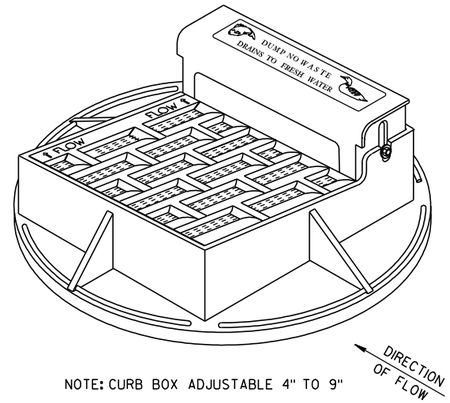
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

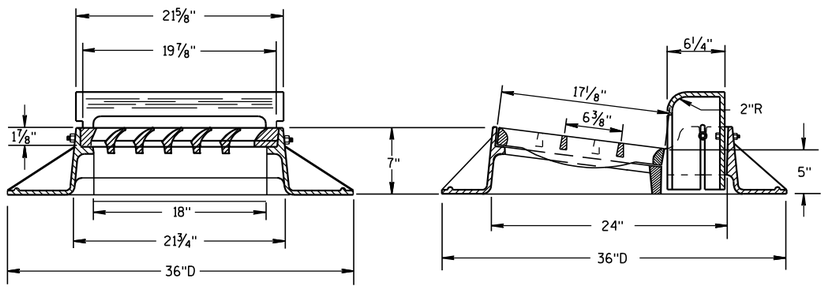
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





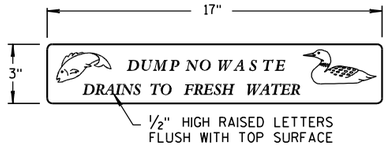


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



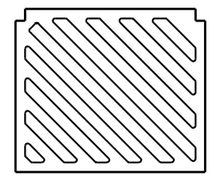
TYPE "A"

(APPROXIMATE WEIGHT 340 LBS.)
FRAME..... 185 LBS.
GRATE..... 71 LBS.
CURB BOX..... 84 LBS.



LOGO DETAIL

NOTE:
GRATE IS REVERSIBLE.



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

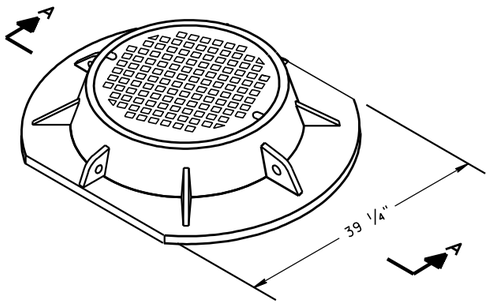
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

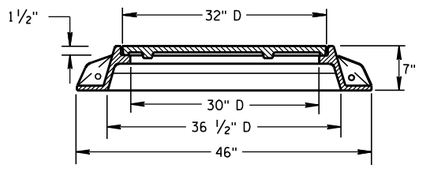
INLET COVERS TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 DATE
/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 8 A 5-18a



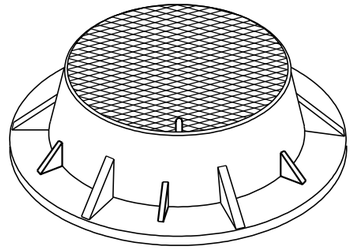


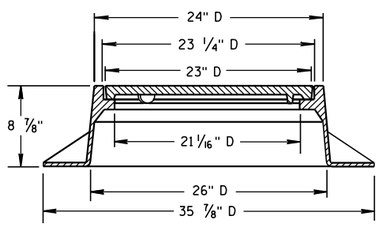
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 439 LBS.)

FRAME.....216 LBS.
LID.....223 LBS.

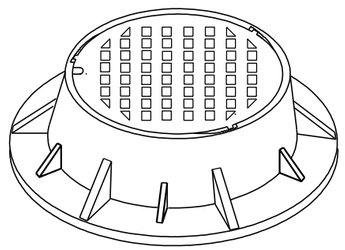


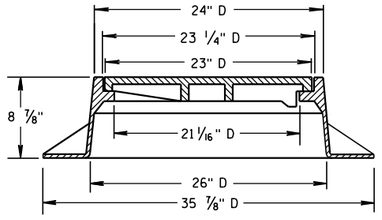


TYPE "J"

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....152 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....158 LBS.
LID.....109 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

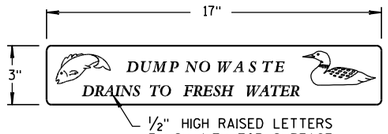
GENERAL NOTES

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

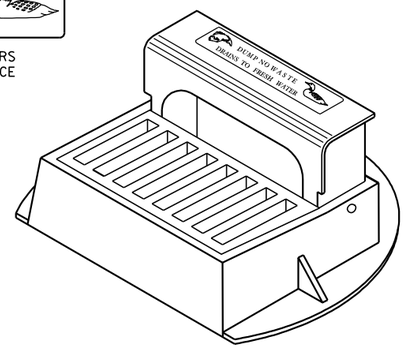
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

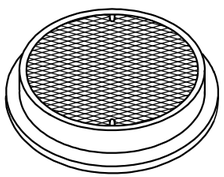
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

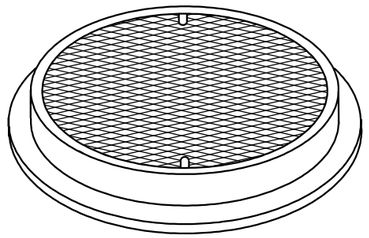
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

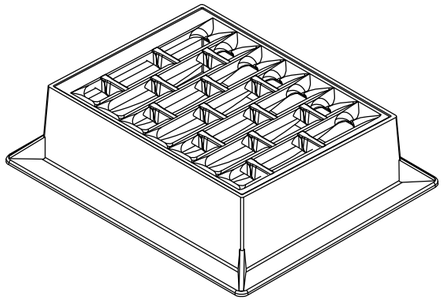


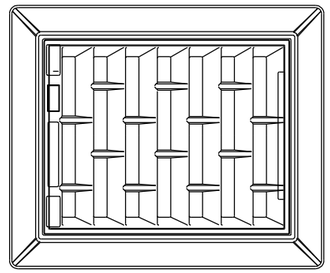
LOGO DETAIL

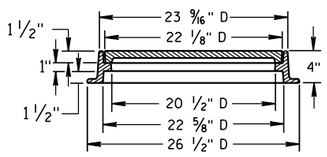








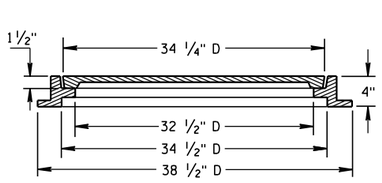




TYPE "L"

(APPROXIMATE WEIGHT 158 LBS.)

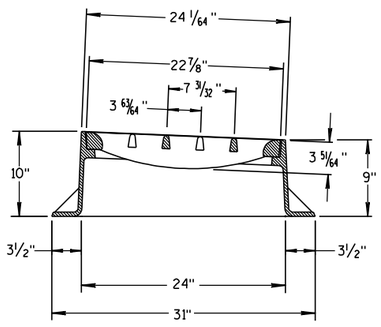
FRAME.....81 LBS.
LID.....77 LBS.

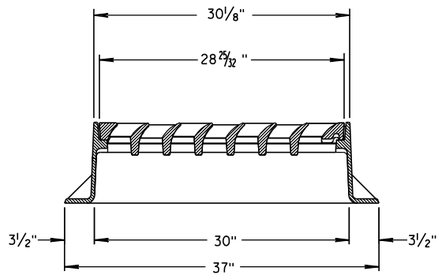


TYPE "M"

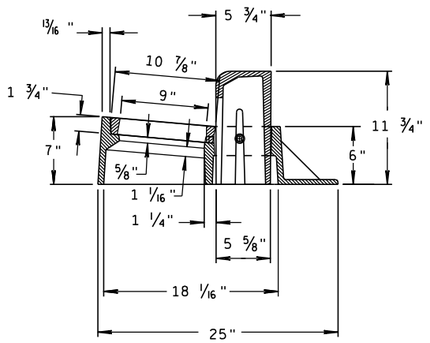
(APPROXIMATE WEIGHT 377 LBS.)

FRAME..... 125 LBS.
LID..... 252 LBS.





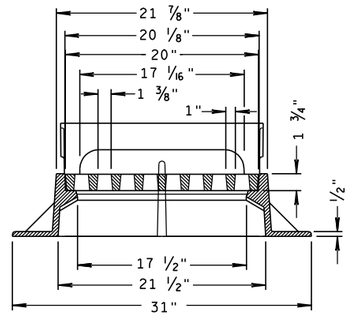
INLET COVER TYPE "BW"



INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 344 LBS.)

FRAME.....206 LBS.
GRATE..... 46 LBS.
CURB BOX..... 92 LBS.



INLET COVERS, TYPE BW, Z
MANHOLE COVERS, TYPE K, J, J-S, L & M

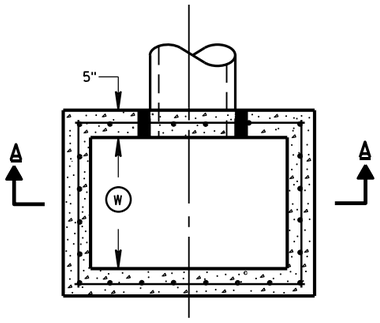
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

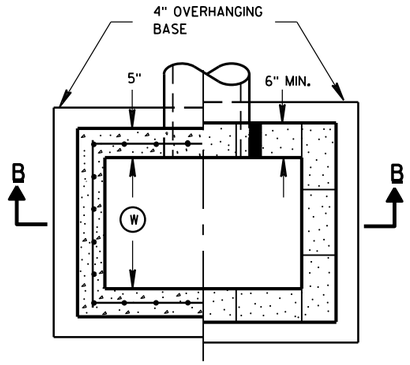
NT

6

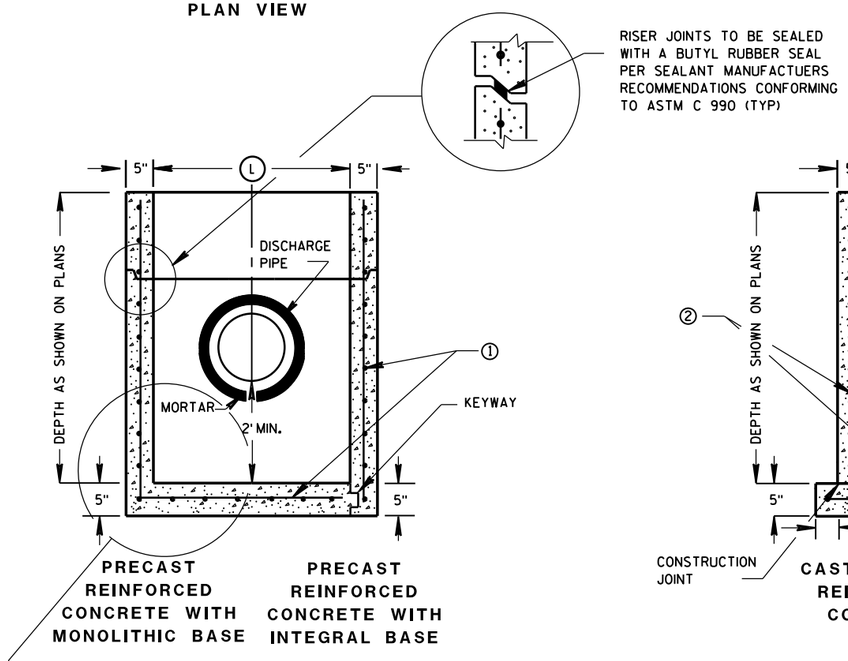
S.D.D. 8 A 5-18d



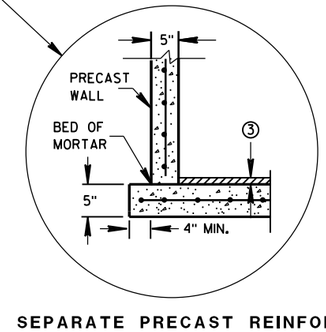
PLAN VIEW



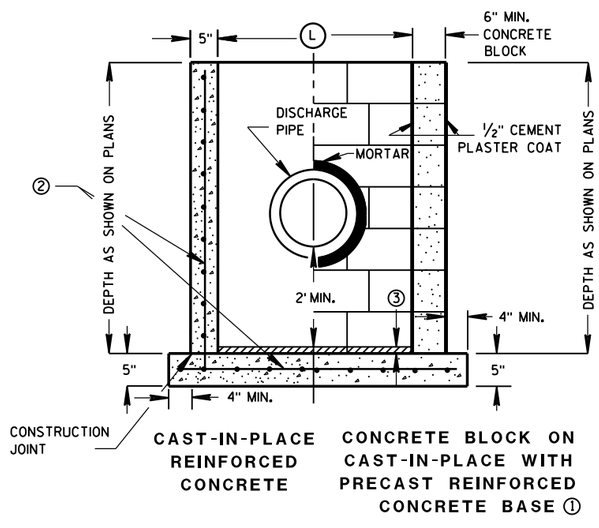
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

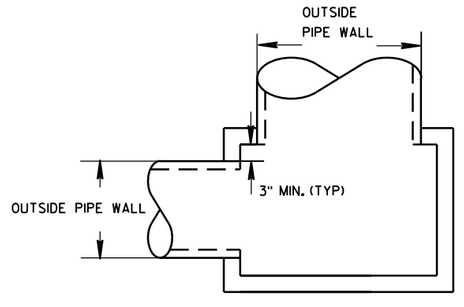
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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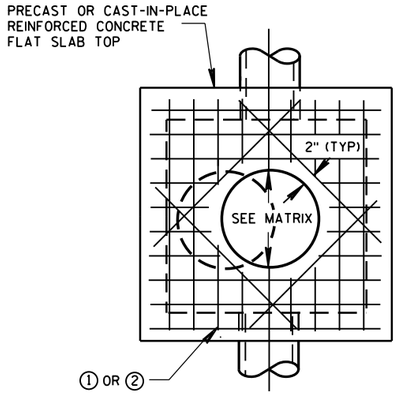
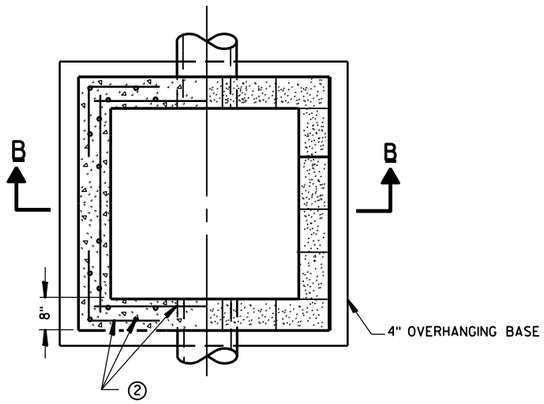
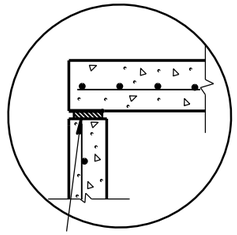
S.D.D. 8 A 9-1



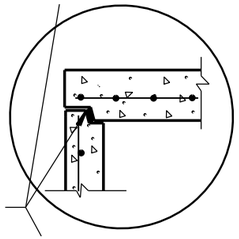
PLAN VIEW
CIRCULAR OPENING



SECTION A-A
PLAN VIEW

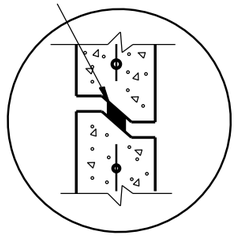


TOP WITH PLAIN END JOINT



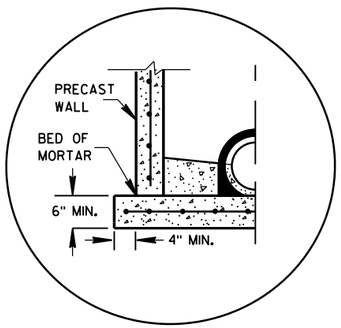
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



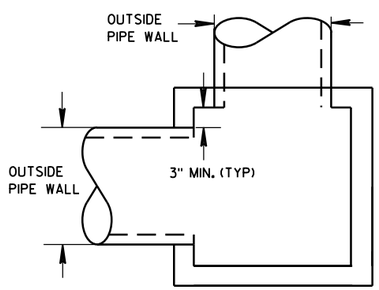
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

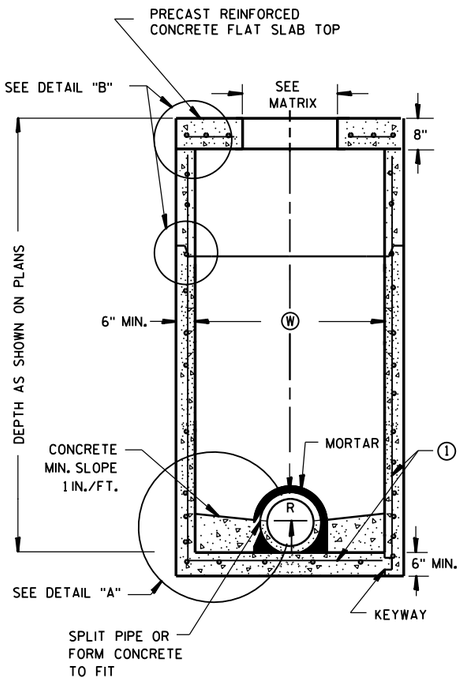
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

MANHOLE COVER OPENING MATRIX

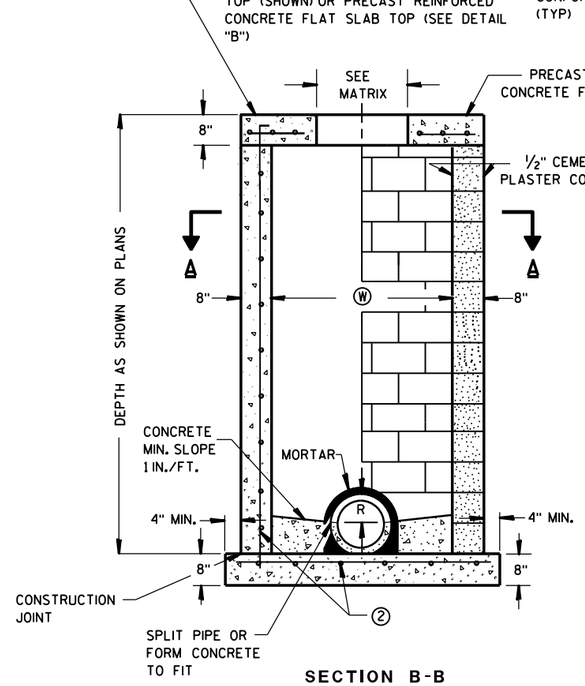
MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE



PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

SECTION B-B

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER
FHWA

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S.D.D. 8 B 10-1

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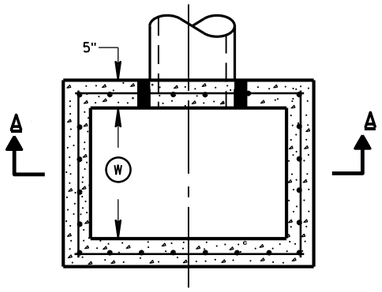
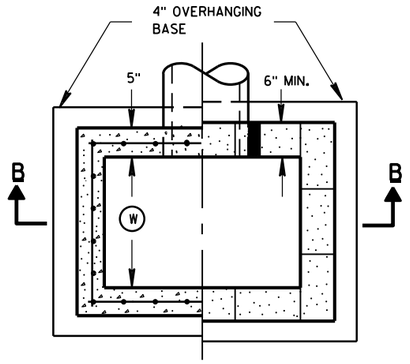
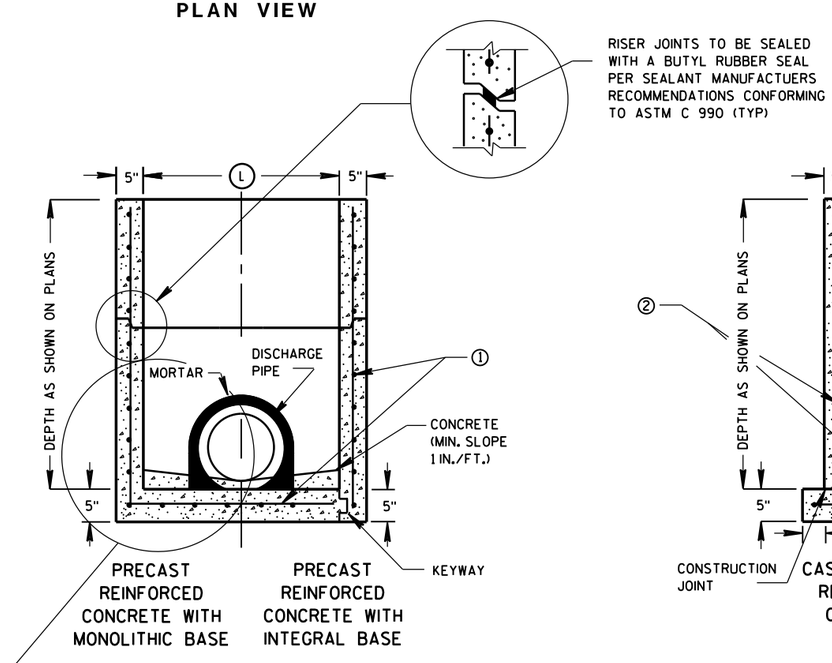
S.D.D. 8 B 10-1



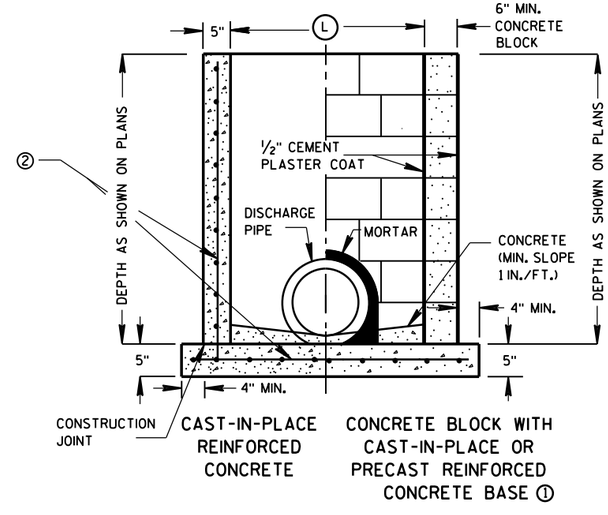
PLAN VIEW



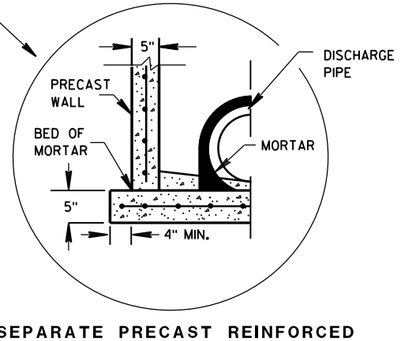
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

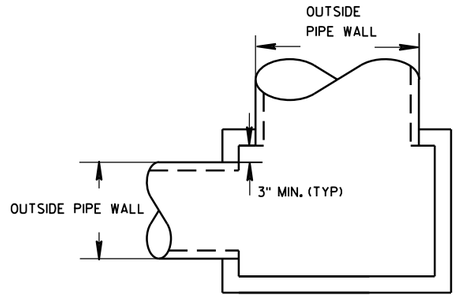
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

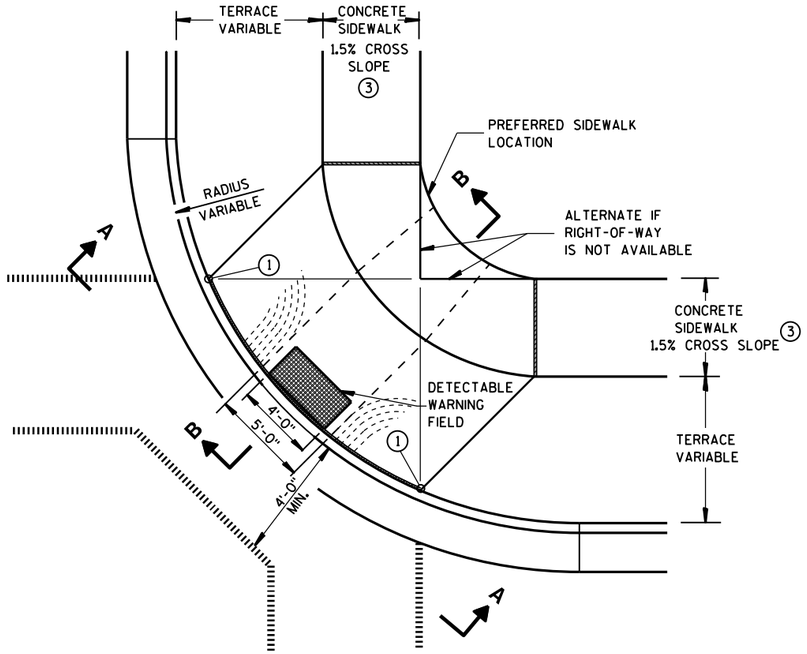
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER

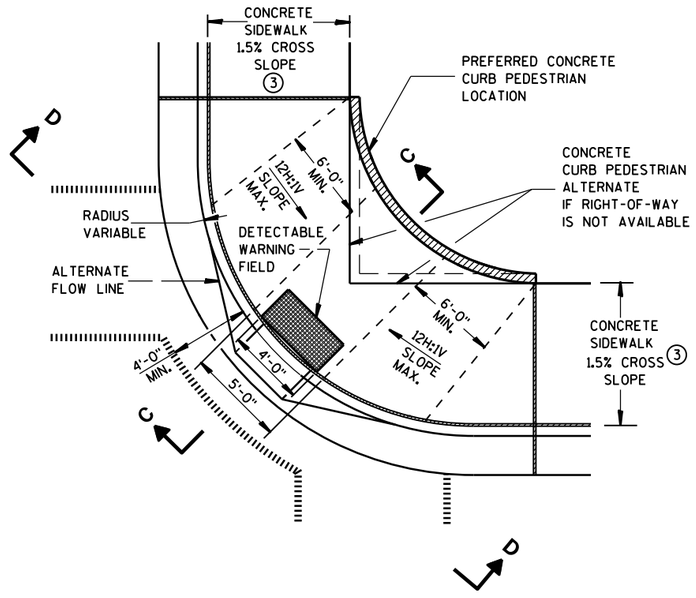
6
S.D.D. 8 C 7-1



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

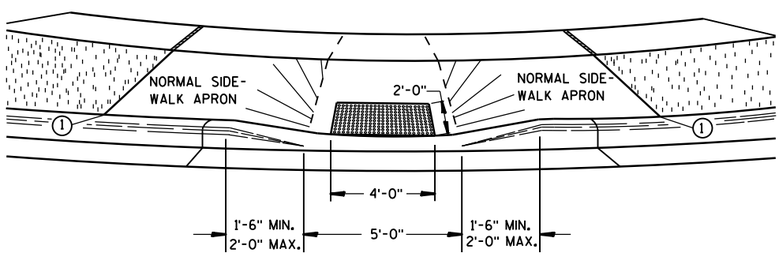
① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

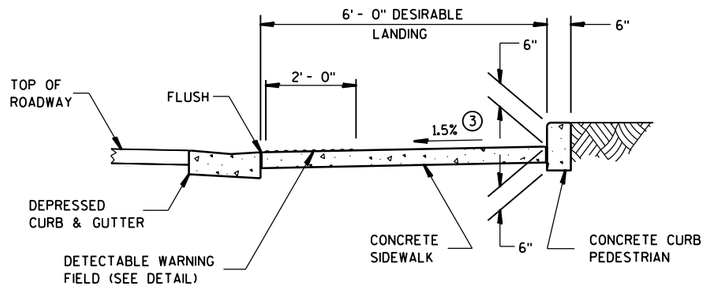
③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

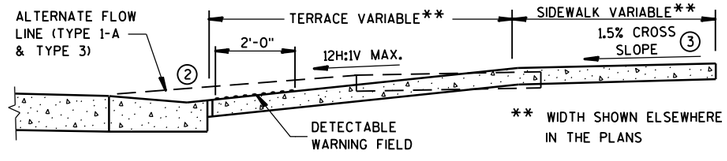
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



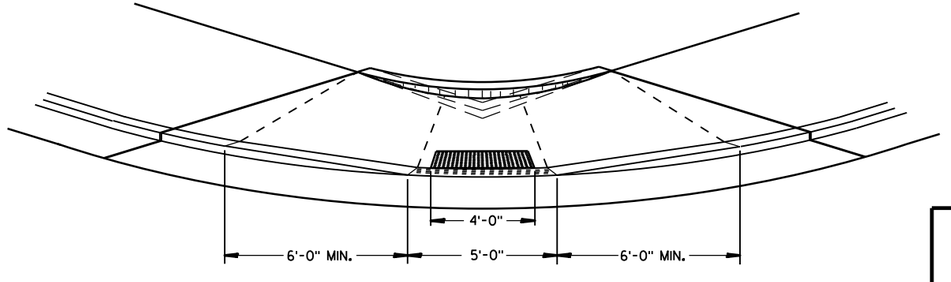
VIEW A-A



SECTION C-C



SECTION B-B



VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

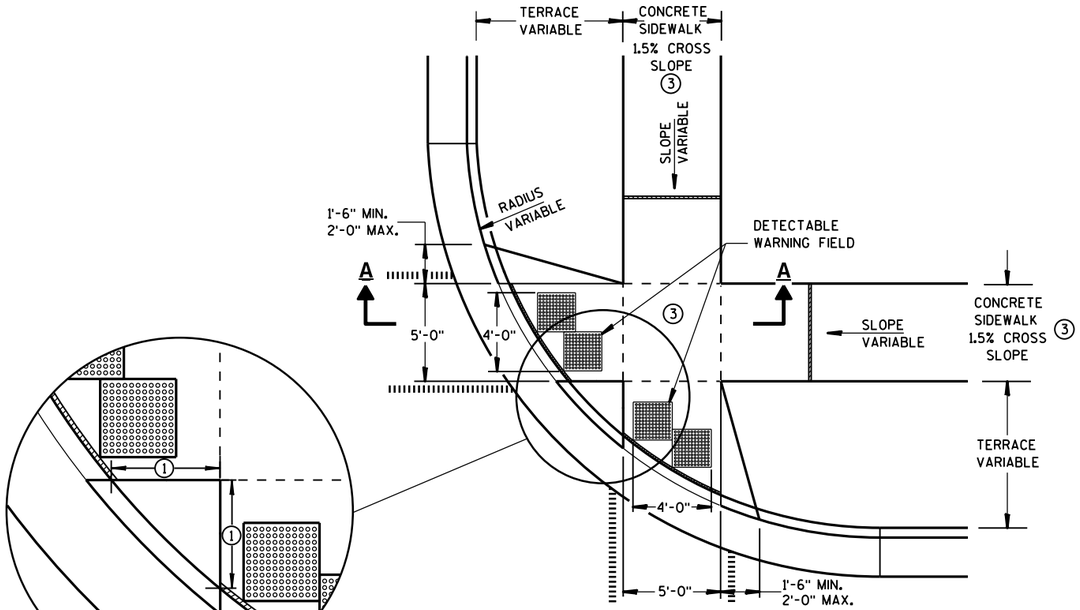
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15a

6

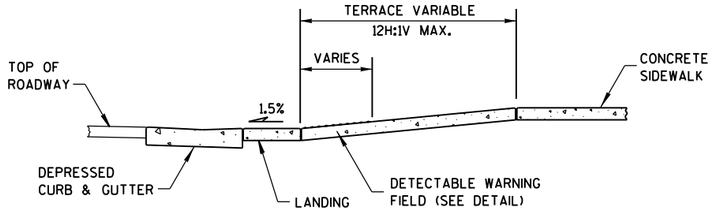
S.D.D. 8 D 5-15a



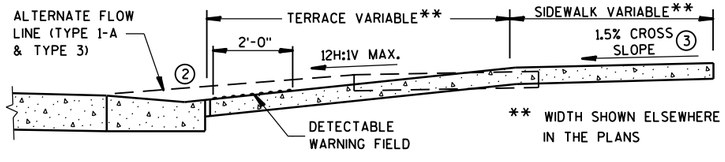
PLAN VIEW

TYPE 2 RAMP

(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

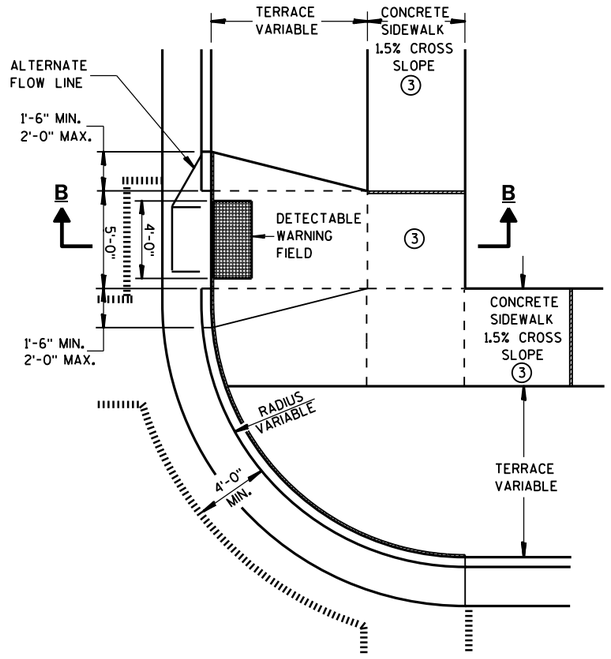
① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

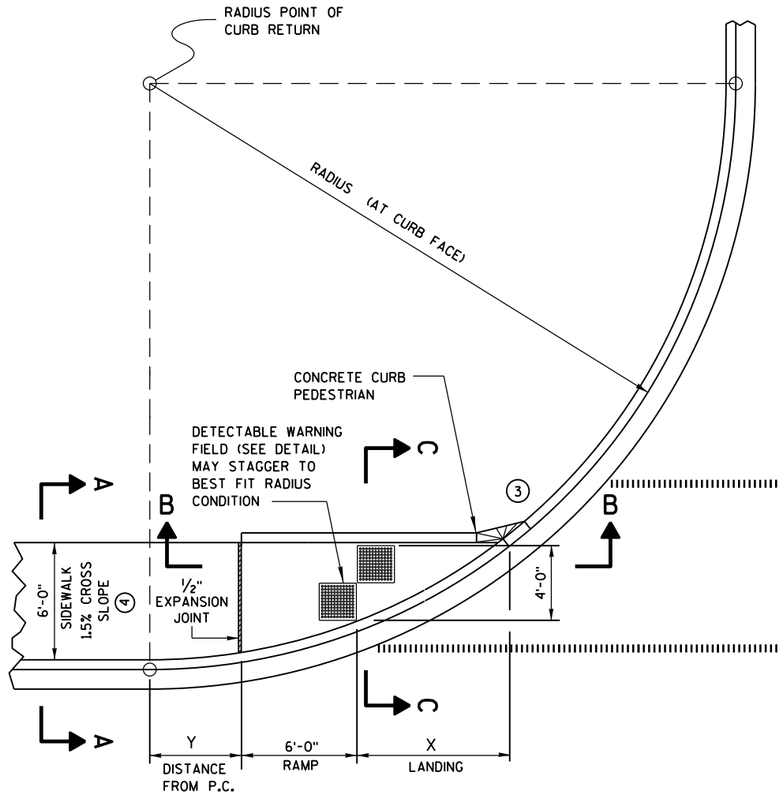
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

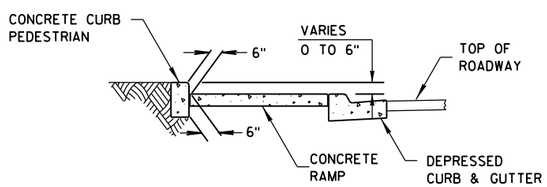
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

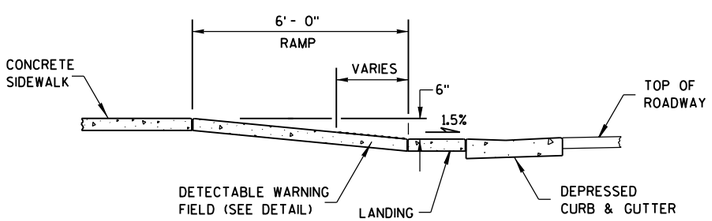
S.D.D. 8 D 5-15b



CURB RAMP TYPE 4A
PLAN VIEW



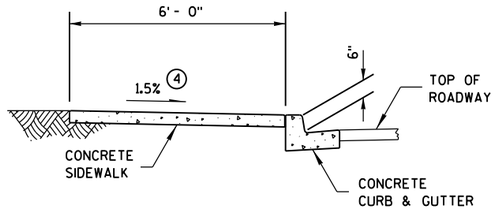
SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

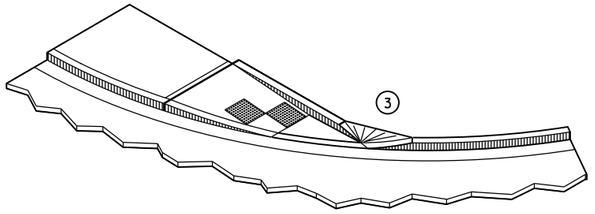
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

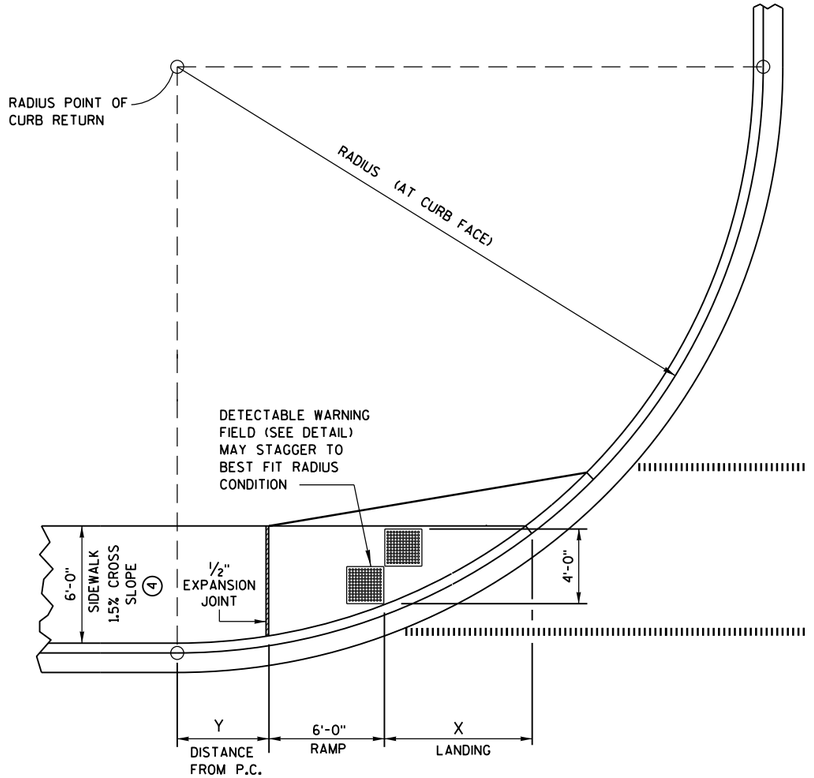
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

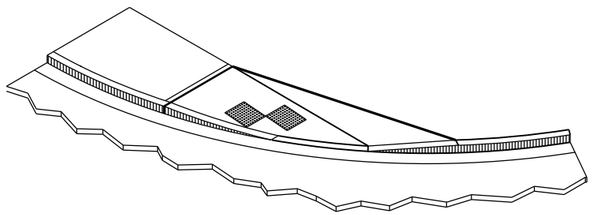
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



ISOMETRIC VIEW FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

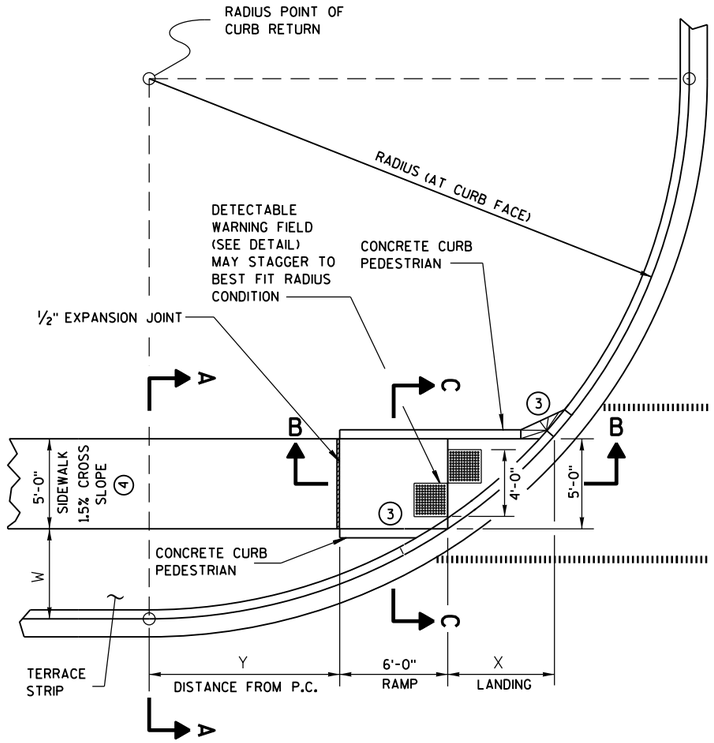
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15c



CURB RAMP TYPE 4B
PLAN VIEW

LEGEND

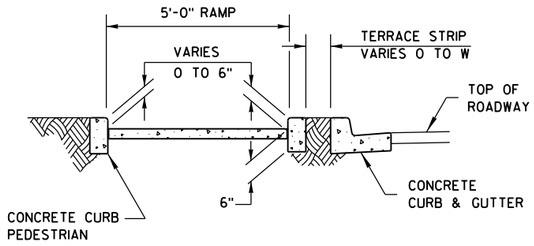
½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION C-C FOR TYPE 4B

GENERAL NOTES

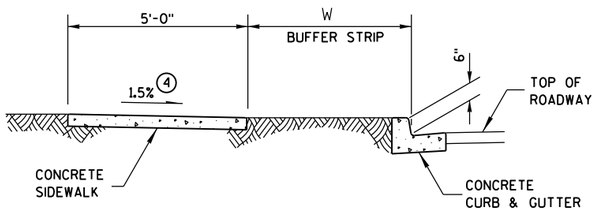
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

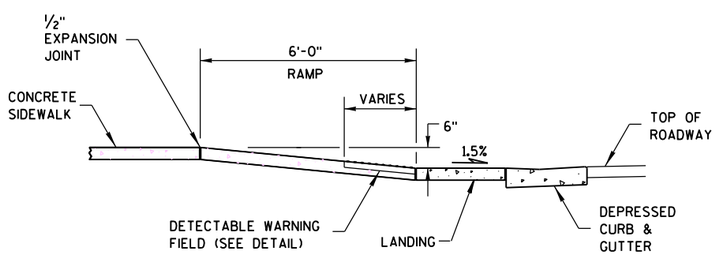
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

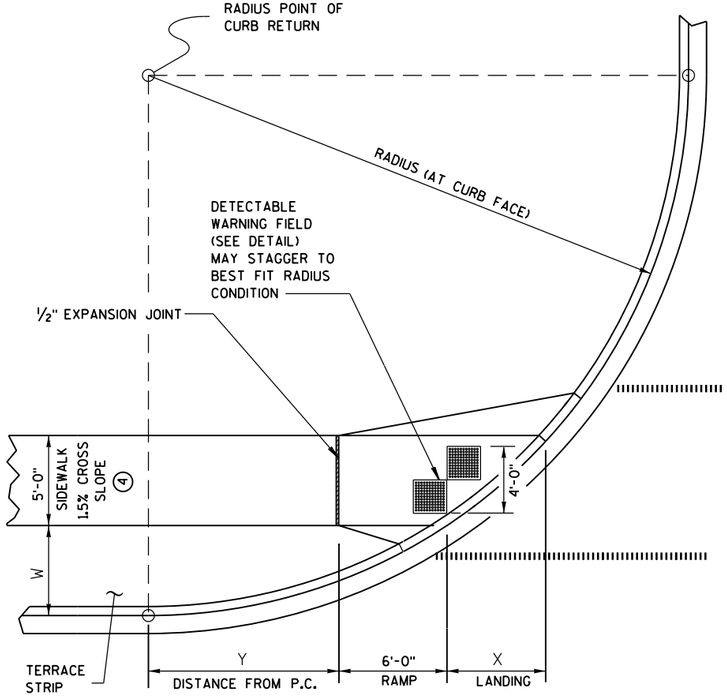
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



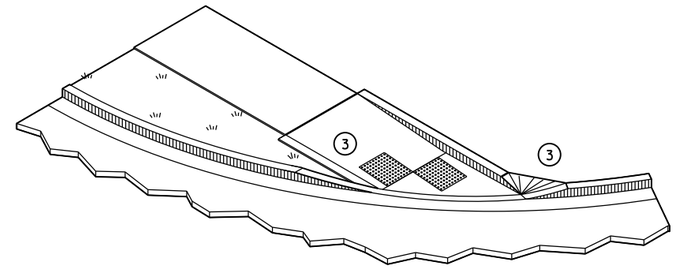
SECTION A-A FOR TYPE 4B



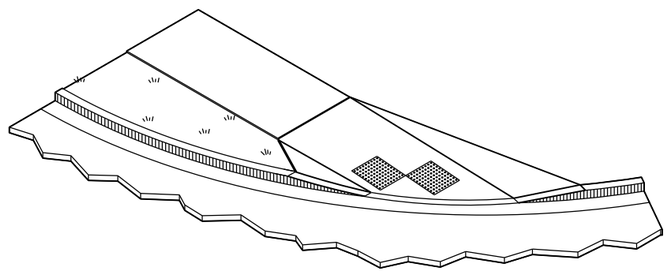
SECTION B-B FOR TYPE 4B



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



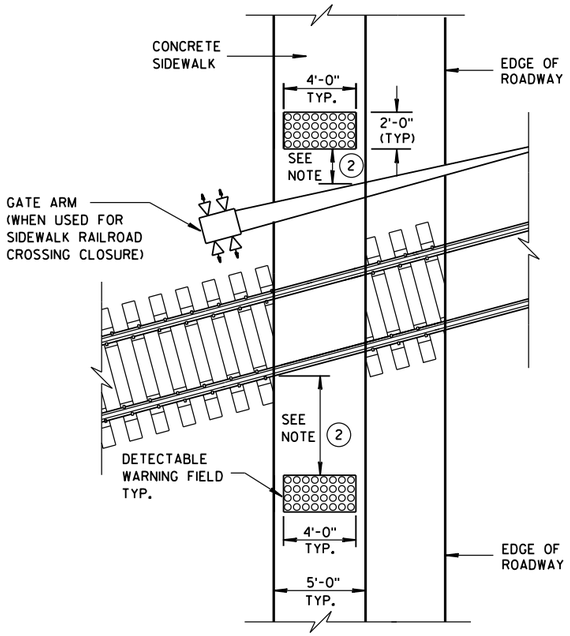
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

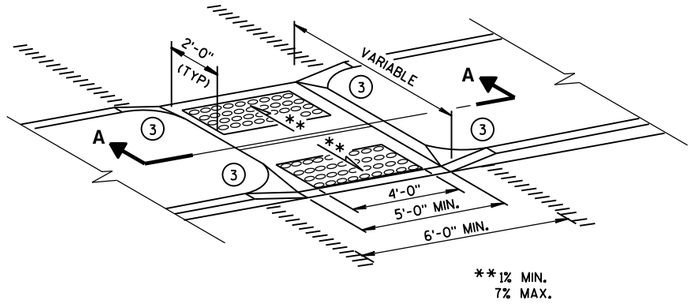
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

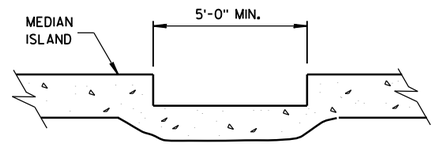
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

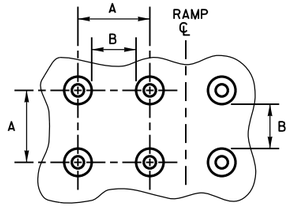
(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



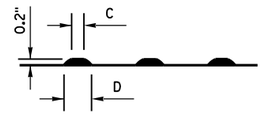
SECTION A-A



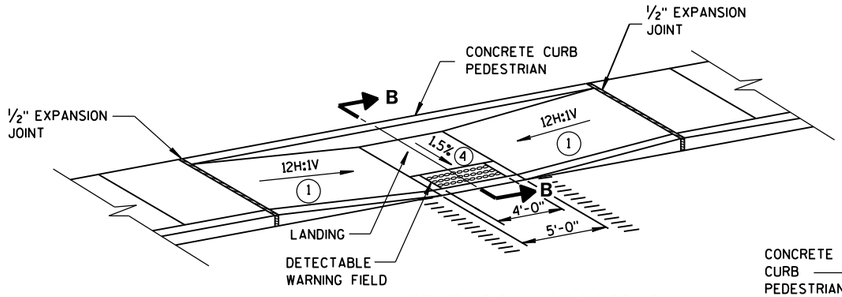
PLAN VIEW

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

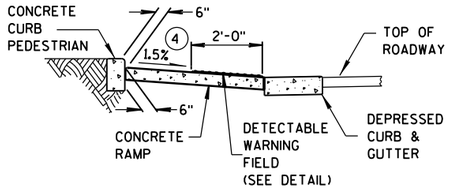
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

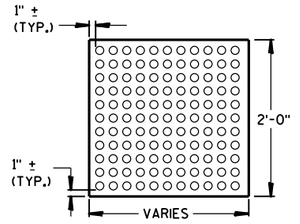


MID-BLOCK CROSSING
TYPE 7A



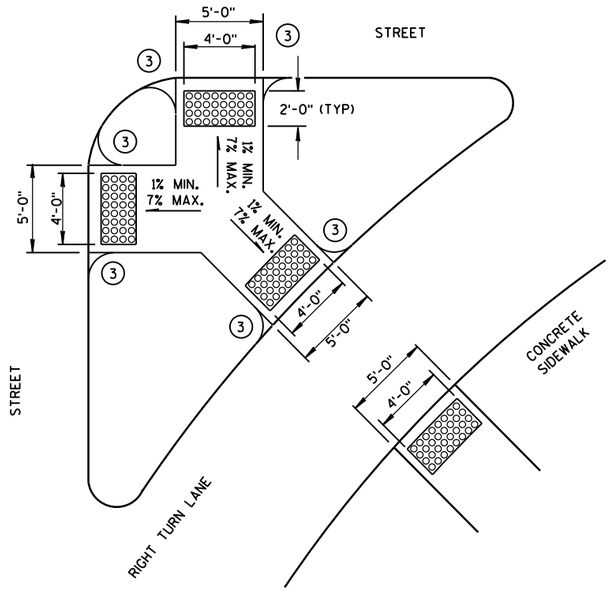
SECTION B-B

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

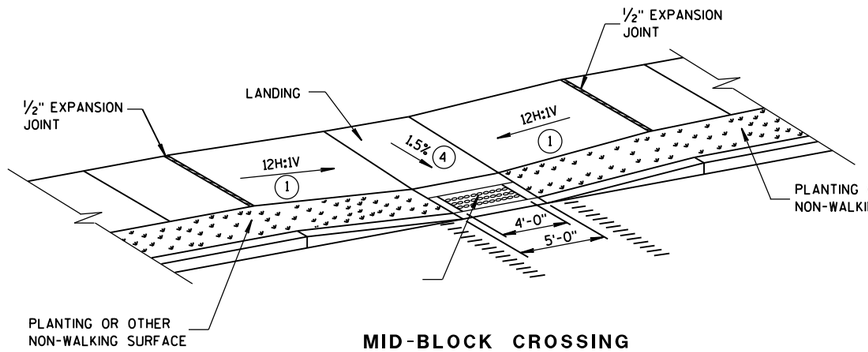


PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2-6-2013 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 D 5-15e

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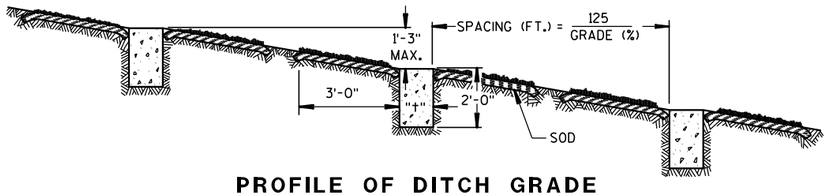
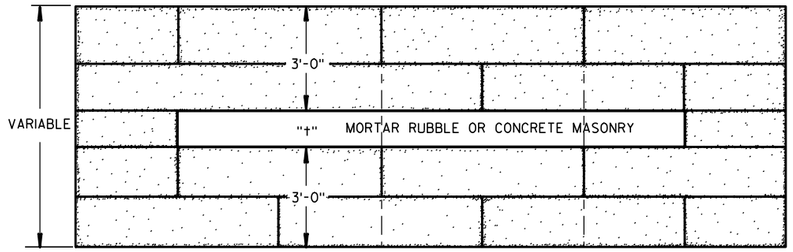
S.D.D. 8 D 5-15e

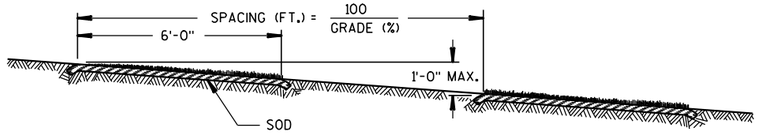


PROFILE OF DITCH GRADE

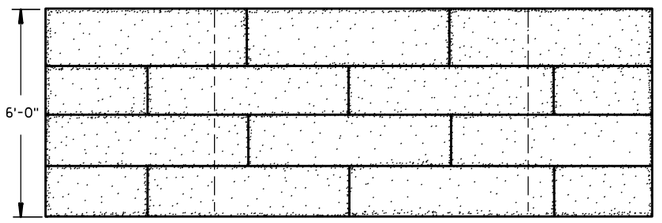


PLAN VIEW SHOWING MASONRY AND SOD

"+" - MASONRY THICKNESS SHALL BE 0'-9" FOR CONCRETE AND 1'-0" FOR MORTAR RUBBLE.



PROFILE OF DITCH GRADE



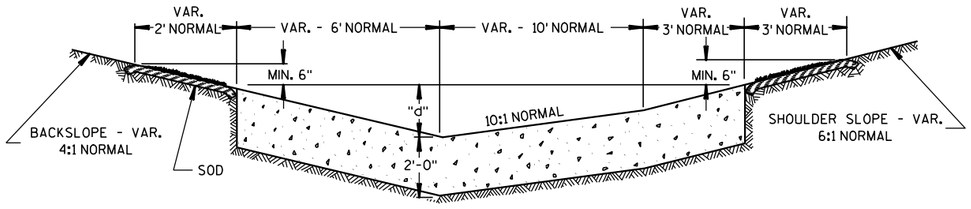
PLAN VIEW SHOWING SOD

GENERAL NOTES

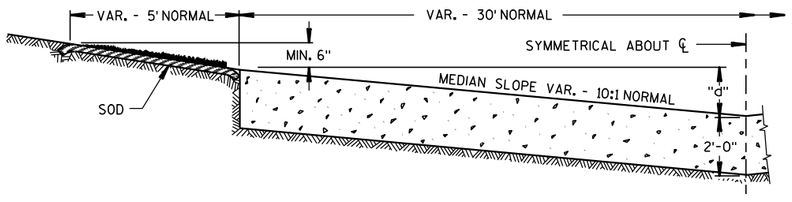
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALTERNATE DESIGNS FOR DITCH CHECKS, OF THE MATERIAL OR COMBINATION OF MATERIALS SHOWN HEREON, MAY BE USED UPON WRITTEN PERMISSION OF THE ENGINEER.

SOD STRIPS FOR DITCH CHECKS MAY BE PLACED EITHER TRANSVERSELY OR LONGITUDINALLY TO THE DIRECTION OF WATER FLOW.



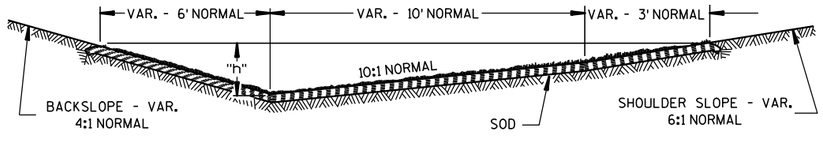
SIDE DITCH CROSS SECTION



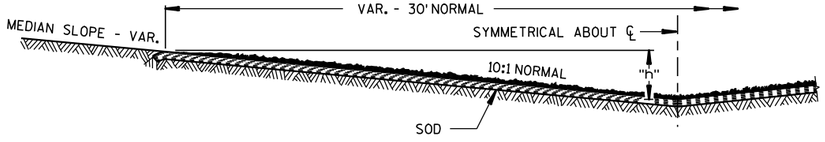
MEDIAN DITCH CROSS SECTION

"d" - THE MINIMUM DEPTH OF THE MASONRY PORTION OF THE DITCH CHECKS SHALL BE EQUAL TO THE MAXIMUM DEPTH OF FLOW. THE NORMAL "d" WILL BE 1'-6".

MASONRY AND SOD DITCH CHECKS



SIDE DITCH CROSS SECTION



MEDIAN DITCH CROSS SECTION

"h" - THE MINIMUM HEIGHT OF DITCH TO BE SODDED SHALL BE EQUAL TO THE MAXIMUM DEPTH OF FLOW PLUS 6". THE NORMAL "h" WILL BE 1'-6".

SOD DITCH CHECKS

SOD OR MASONRY AND SOD DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/7/71 — DATE

/S/ L.C. Harris — ACTING CHIEF DESIG 334 — R

FHWA

6

S.D.D. 8 E 4-2

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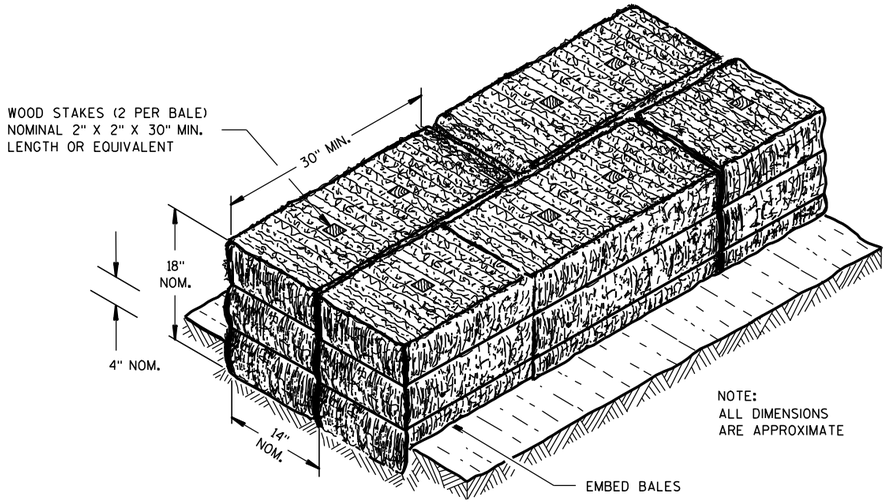
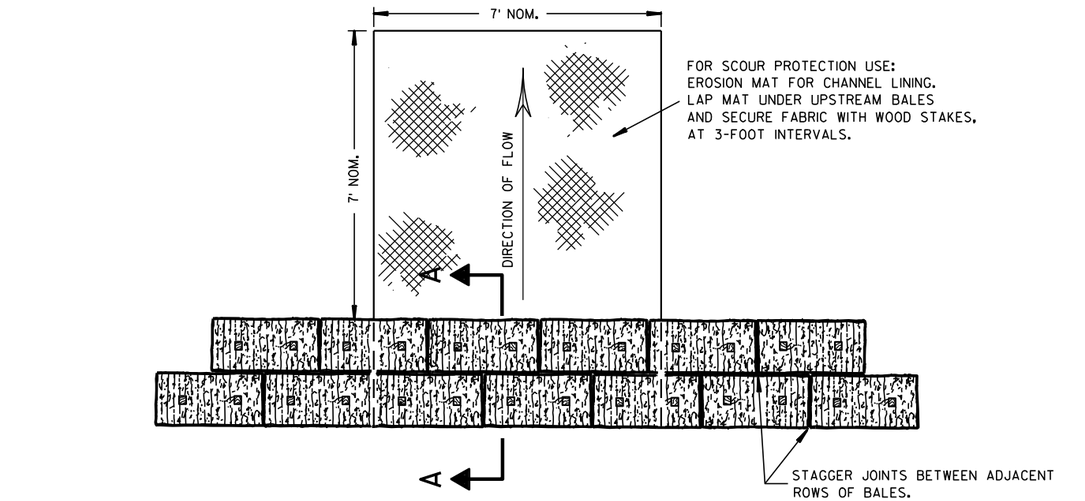
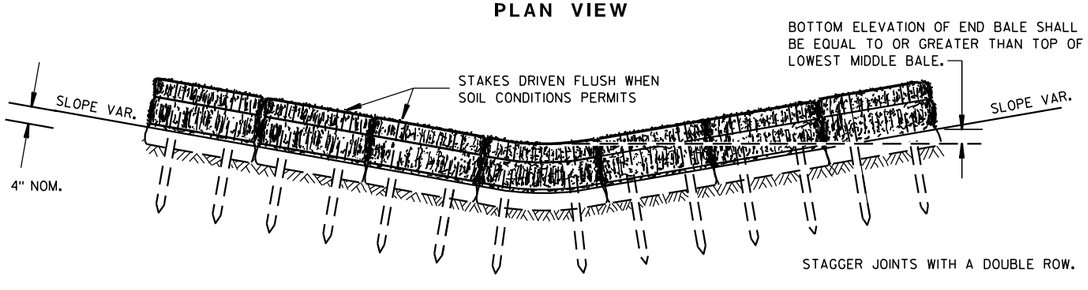
S.D.D. 8 E 4-2



SECTION A-A



PLAN VIEW



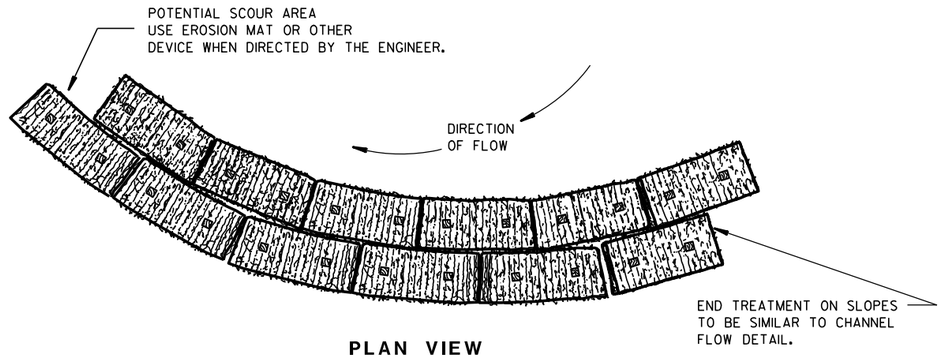
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

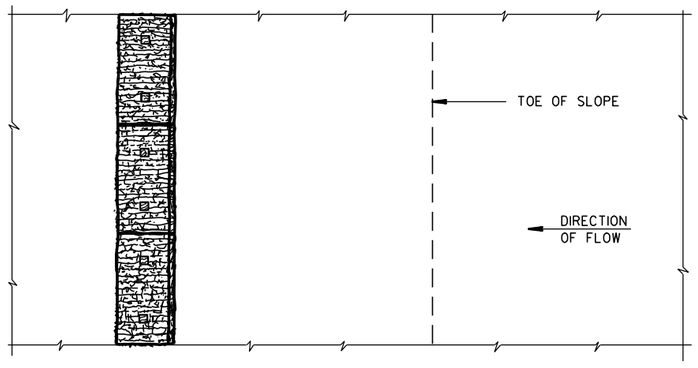
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

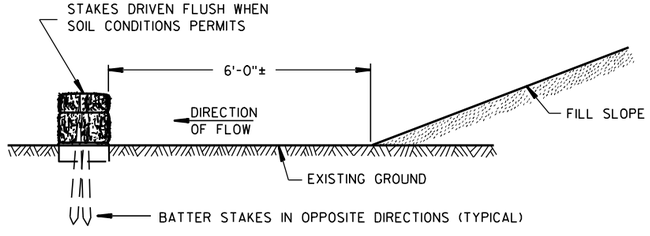


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

335

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S.D.D. 8 E 8-3

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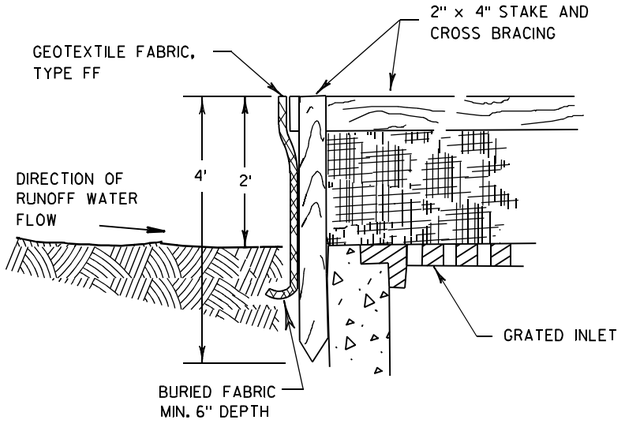
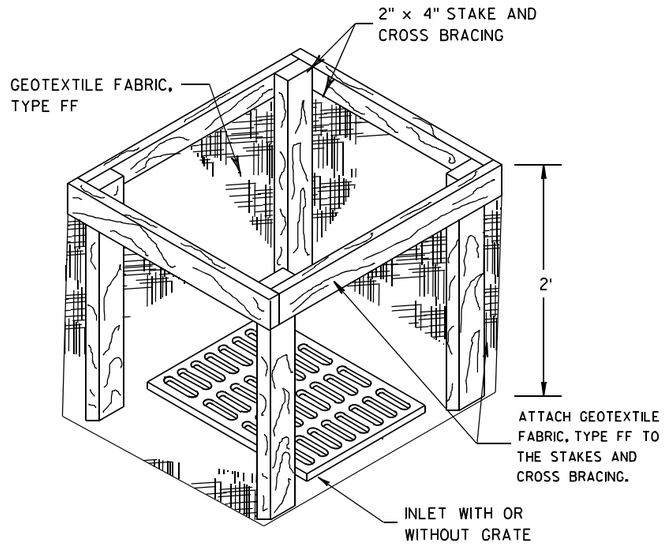
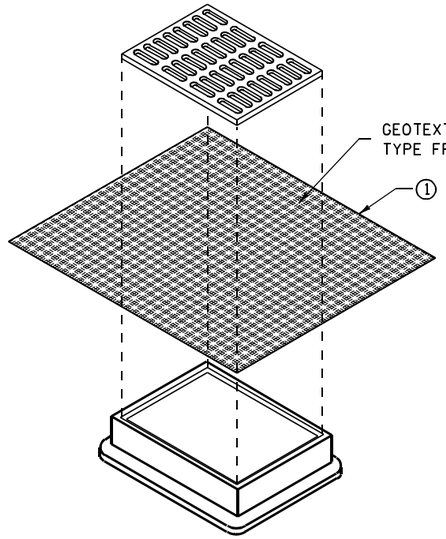
S.D.D. 8 E 8-3



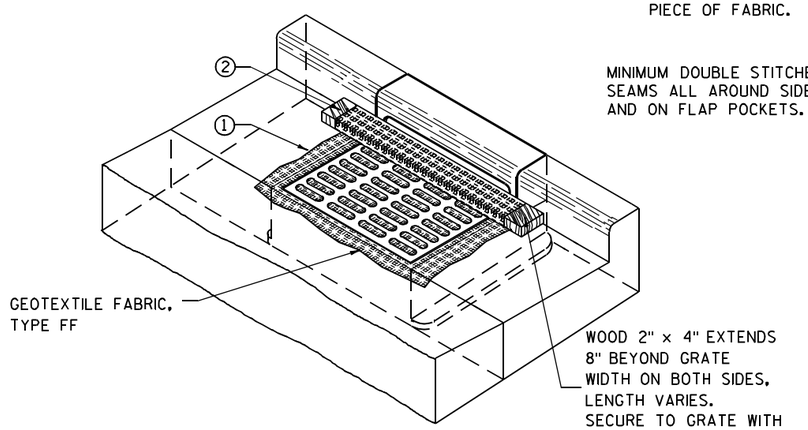


INLET PROTECTION, TYPE A

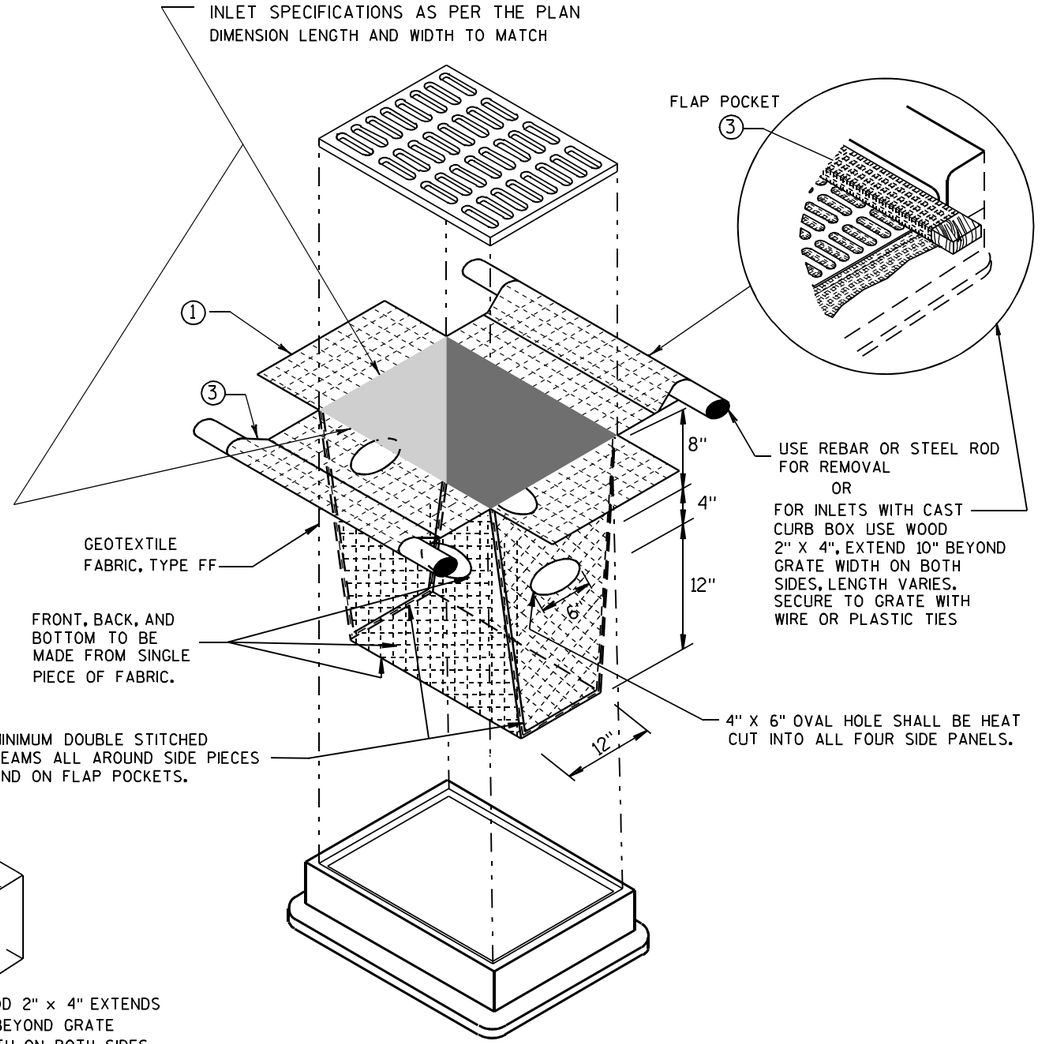


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

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

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

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

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 E 10-2

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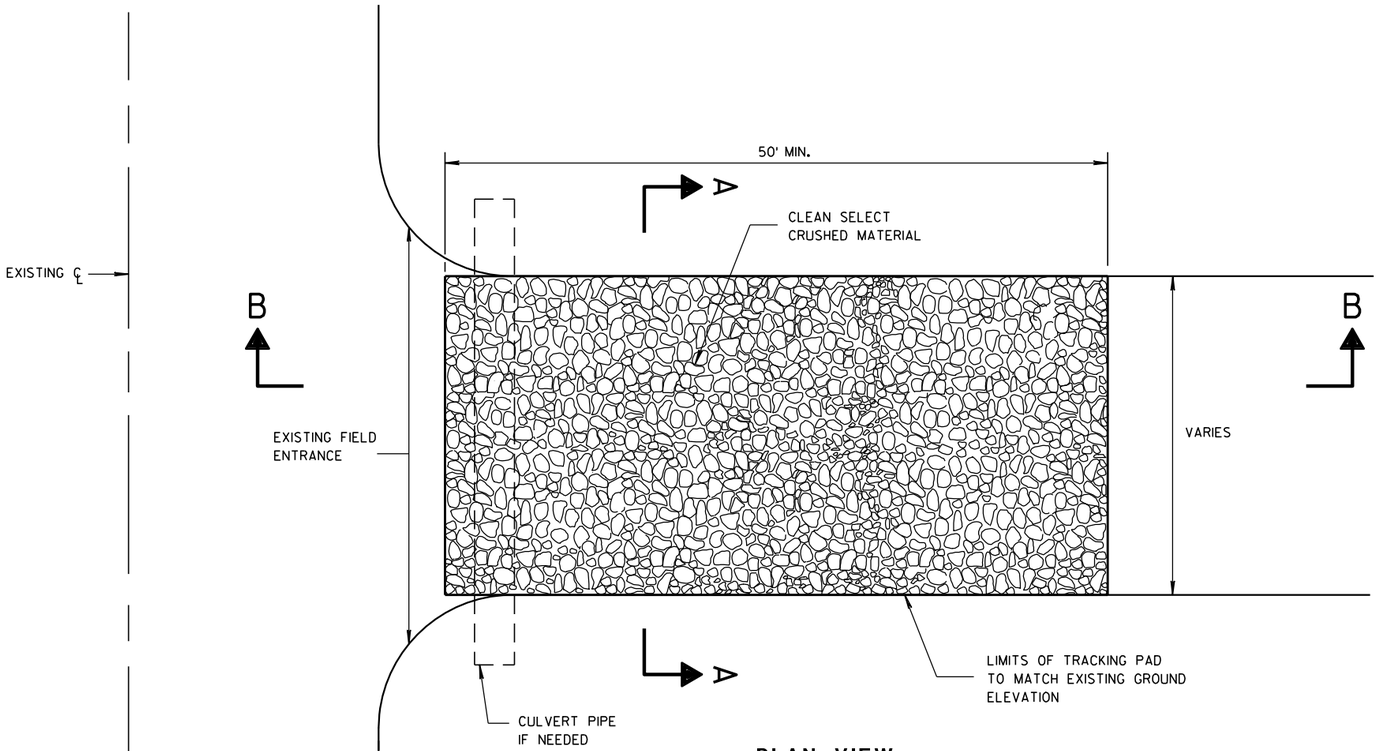
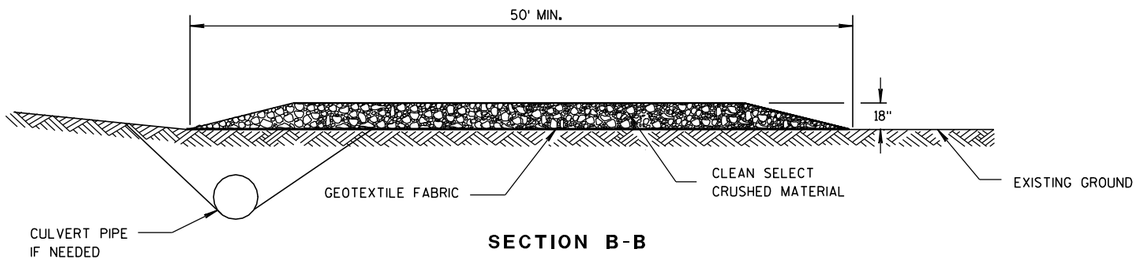
S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

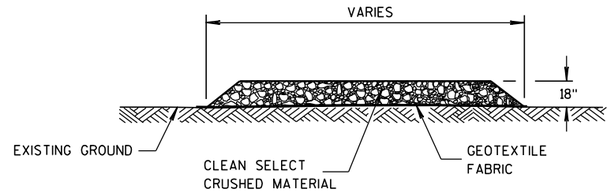
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.

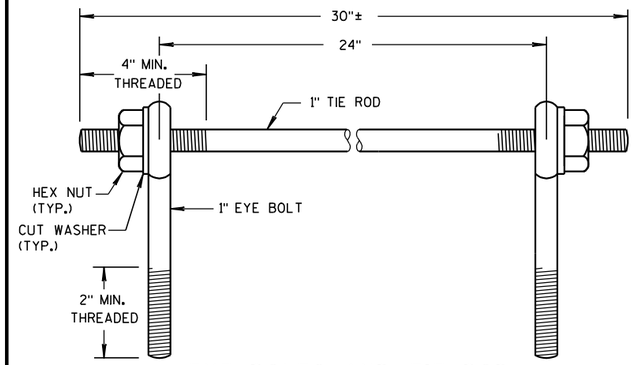


SECTION A-A

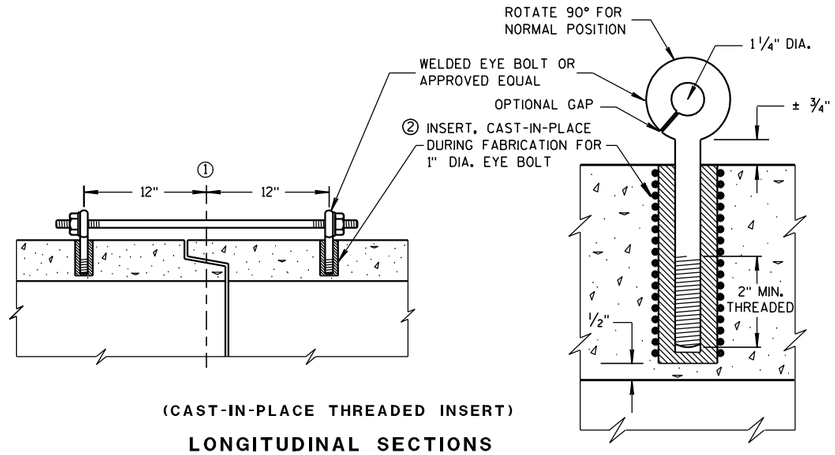
TRACKING PAD

TRACKING PAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3/24/2011 DATE FHWA	/S/ Jerry H. Zoda ROADWAY STANDARDS ENGINEER
	337
	ENT

S.D.D. 8 E 14-1
6



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

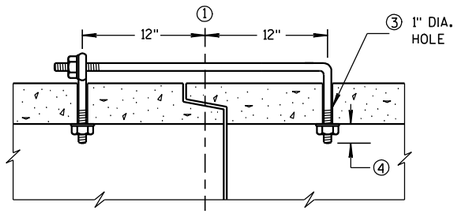
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

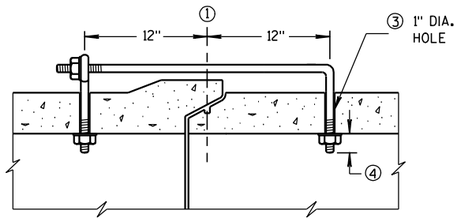
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

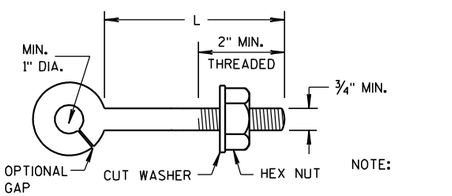


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

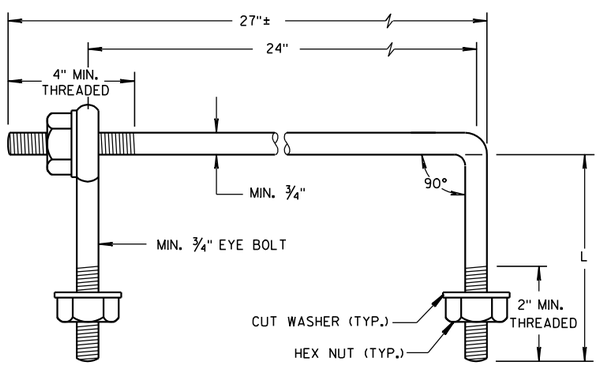
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

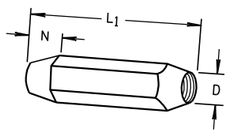
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



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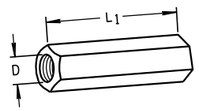
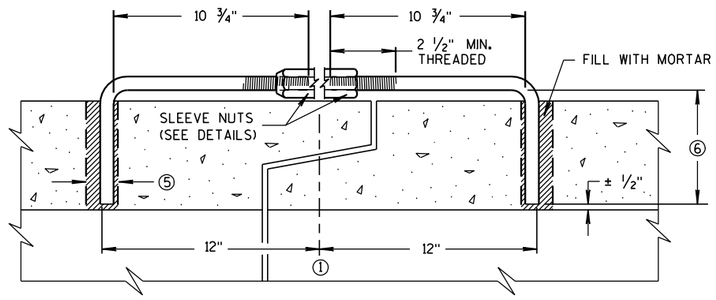


PLAIN

RIGHT AND LEFT THREADS

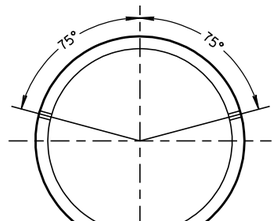
SLEEVE NUTS



LONGITUDINAL SECTION

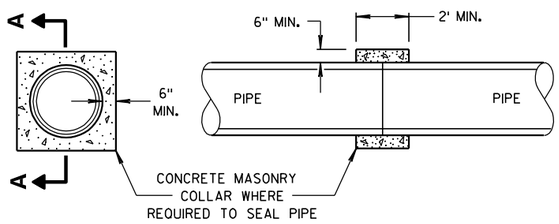
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
338
FHWA

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S.D.D. 8 F 4-7

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-325, (92,000 YIELD) HEAVY HEX NUT AND BE GALVANIZED IN ACCORDANCE WITH ASTM A-153, CLASS C.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED AND U.L. LISTED MECHANICAL CONNECTOR (LUG) AL/CU RATED AND SIZED TO ACCEPT #10 AWG STRANDED WIRE, SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

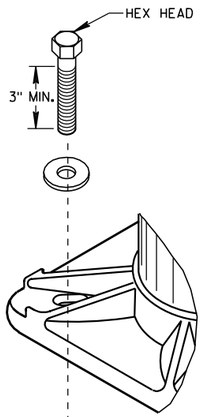
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

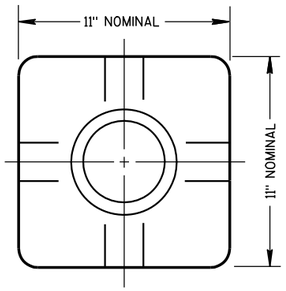
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

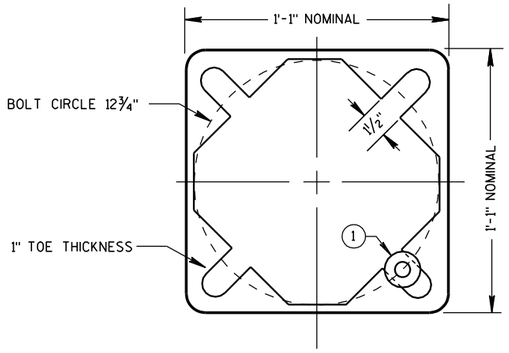
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1½", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

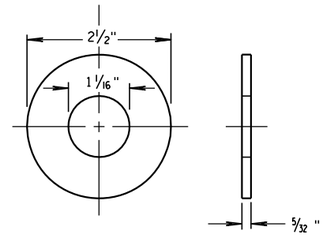




TOP VIEW
(PEDESTAL BASE)

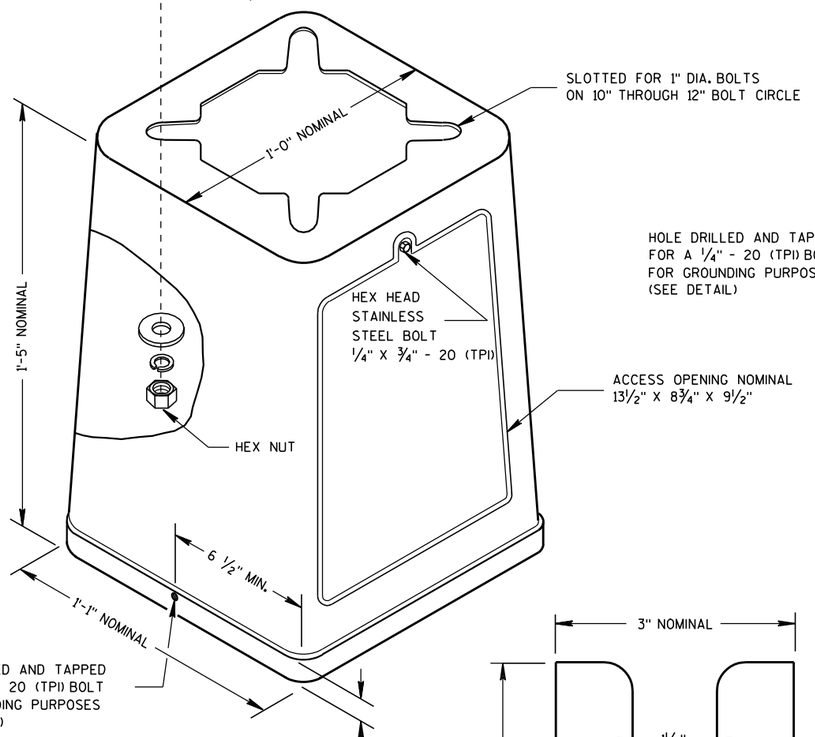


BOTTOM VIEW
(PEDESTAL BASE)

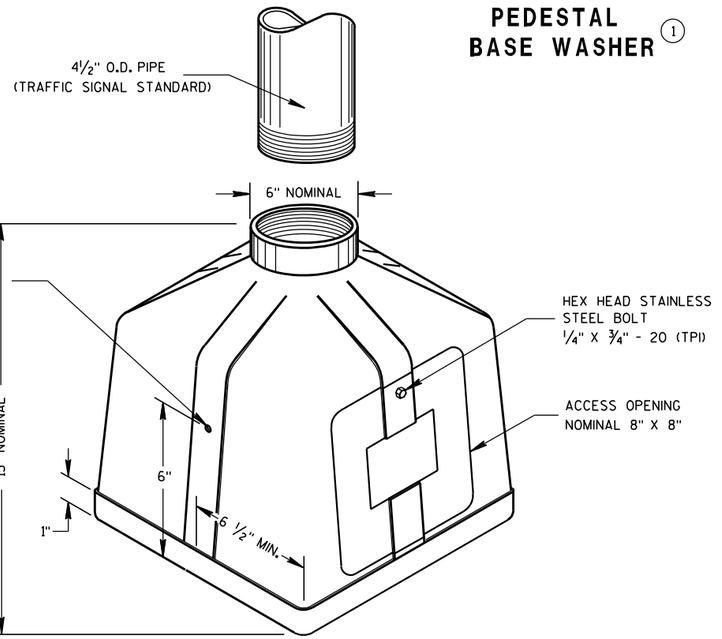


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

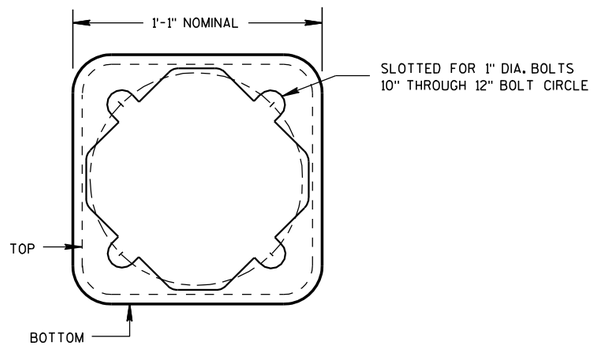


ISOMETRIC VIEW

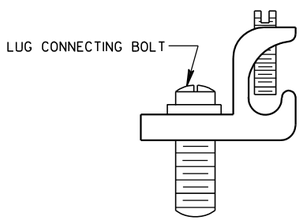


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

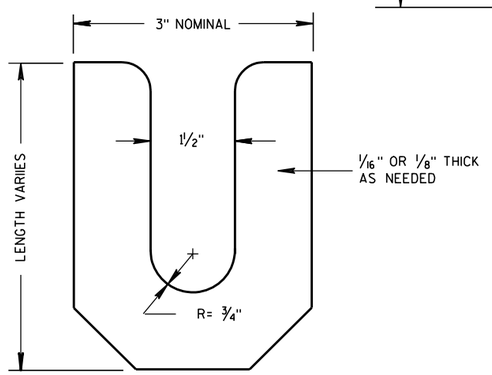


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/27/09 — DATE
/S/ Joanna L. Rich — STATE ELECTRICAL ENGI
339
HWYS
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GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

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

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

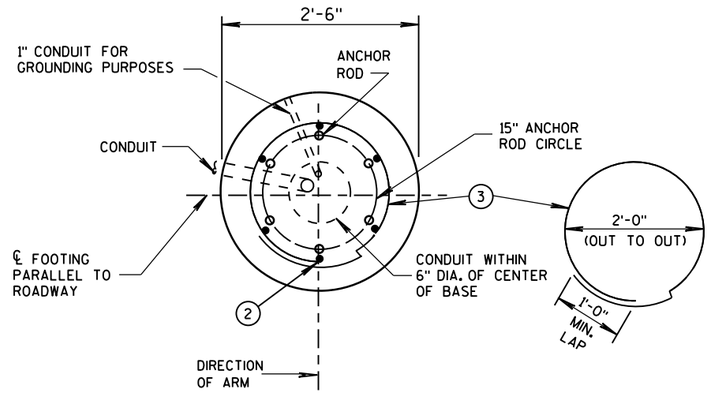
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

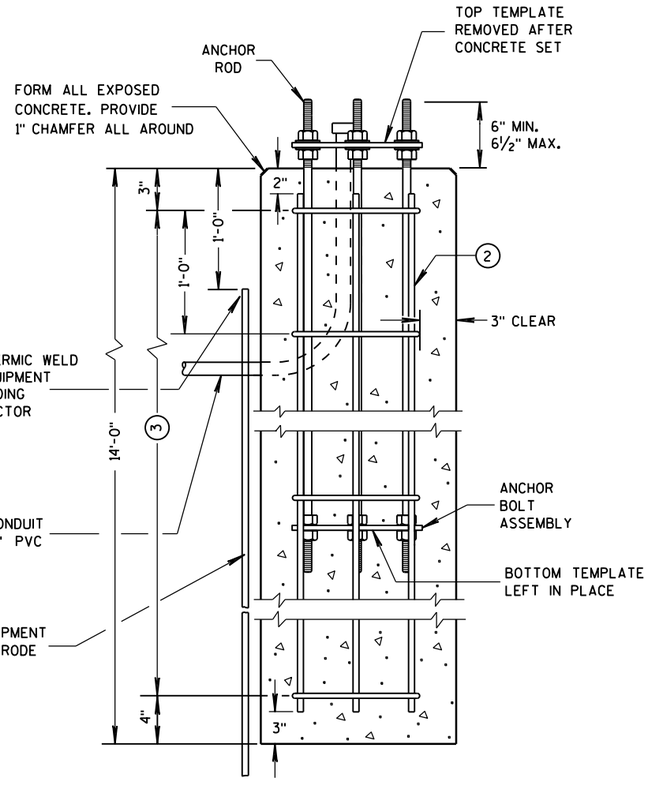
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES, (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (15) NO. 4 X 7'-4" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

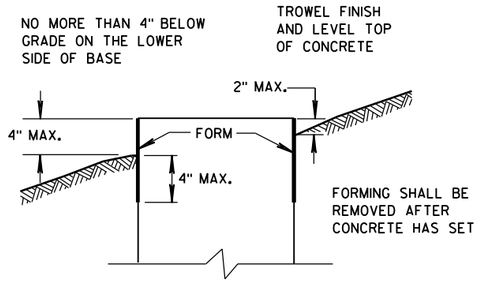
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.



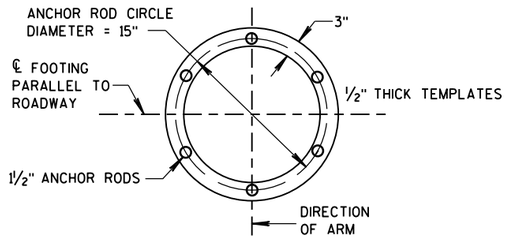


CONCRETE BASE TYPE 10
(FOR TYPE 9 & 10 POLES)

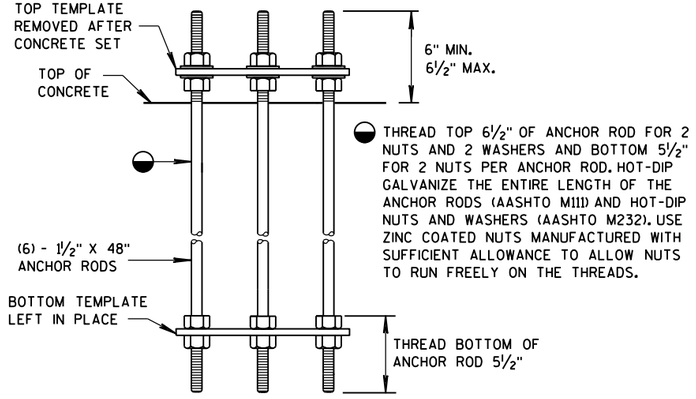
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-1 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	69
LBS. OF VERTICAL BAR STEEL	122

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
1-16-2013 DATE
/S/ Ahmet Demirbilek STATE ELECTRICAL
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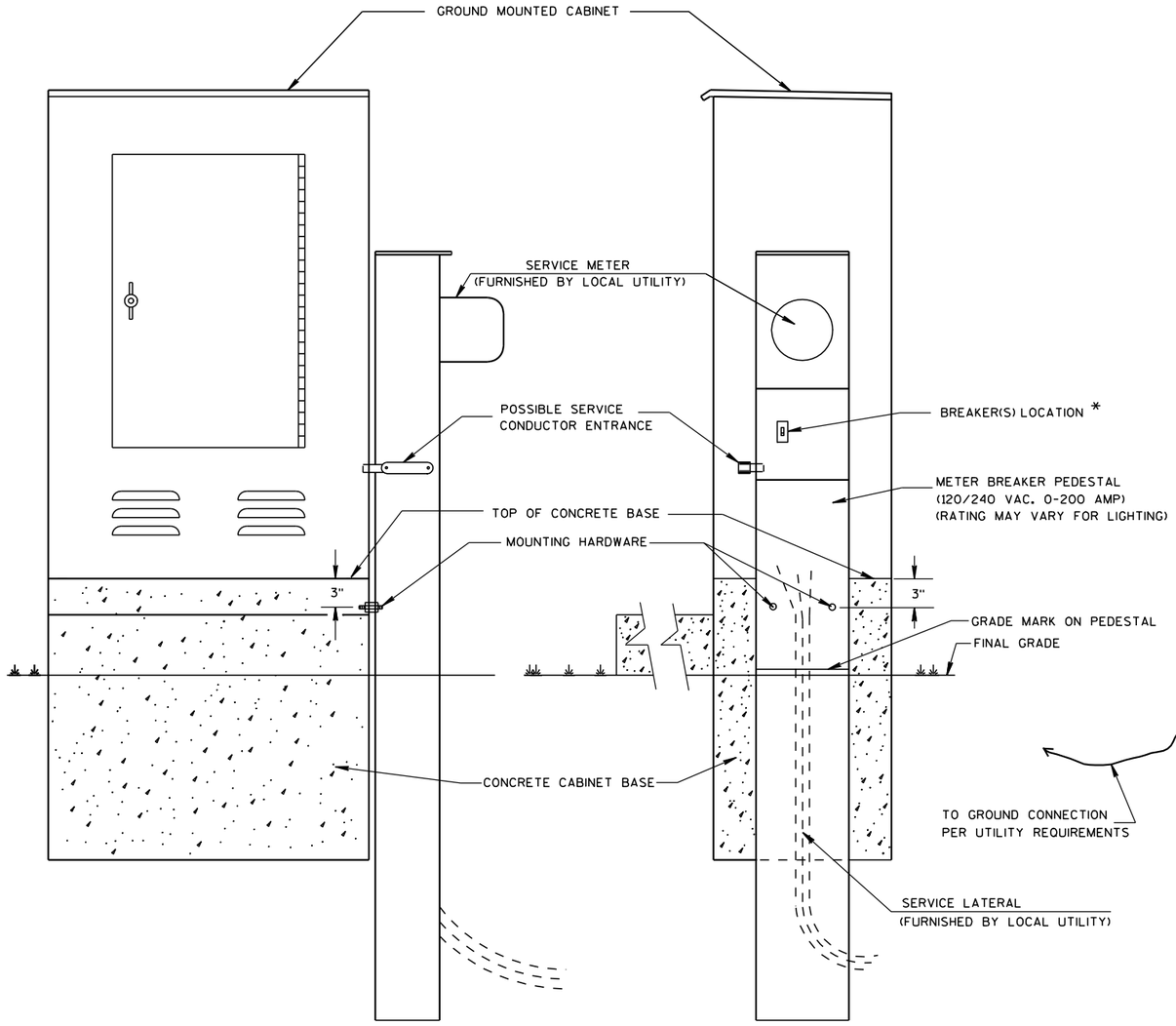

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/27/09 DATE
/S/ Joanna L. Bush STATE ELECTRICAL ENGI
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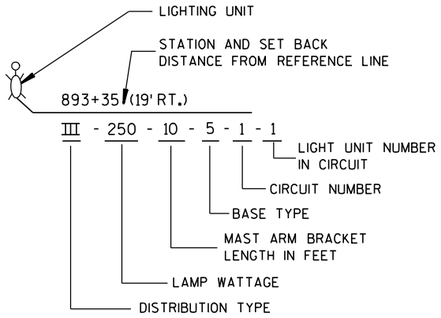
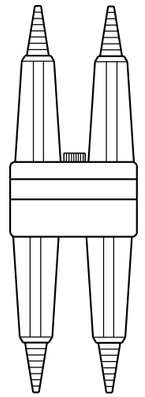
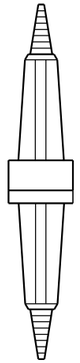


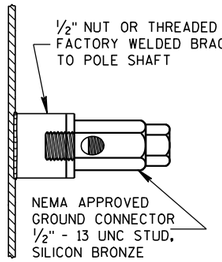
LIGHTING UNIT CODE
(TYPICAL)

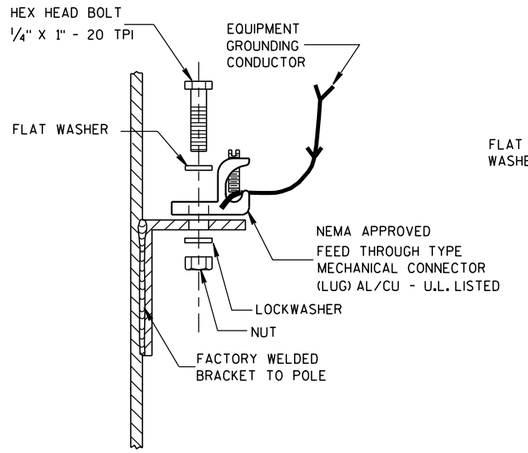


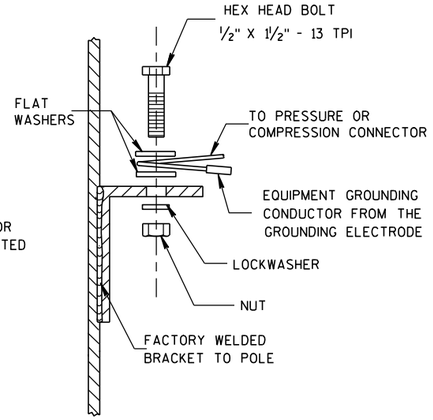
DETAIL "A"
BREAKAWAY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



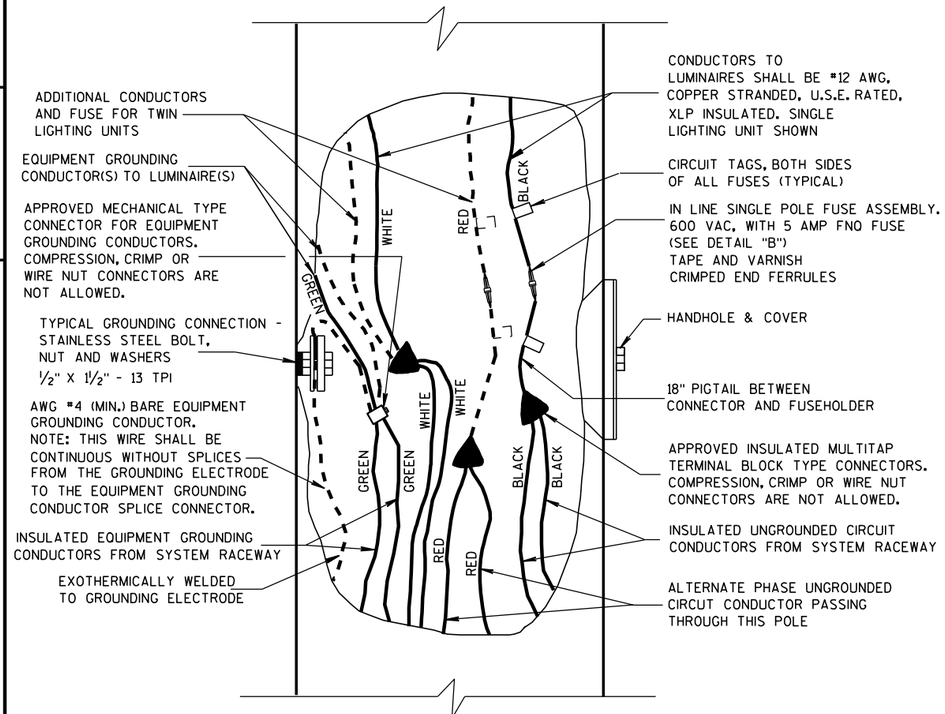
DETAIL "B"
BREAKAWAY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



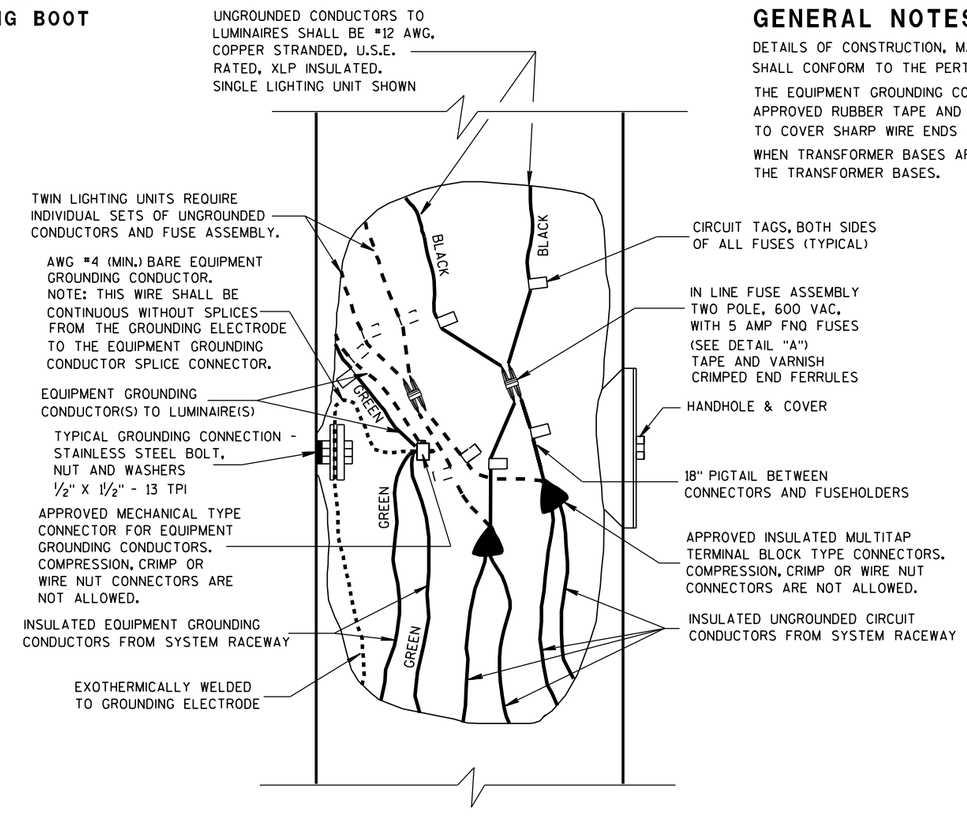




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/2/2011 — DATE

/S/ Thomas J. Gosnell — STATE ELECTRICAL ENGI

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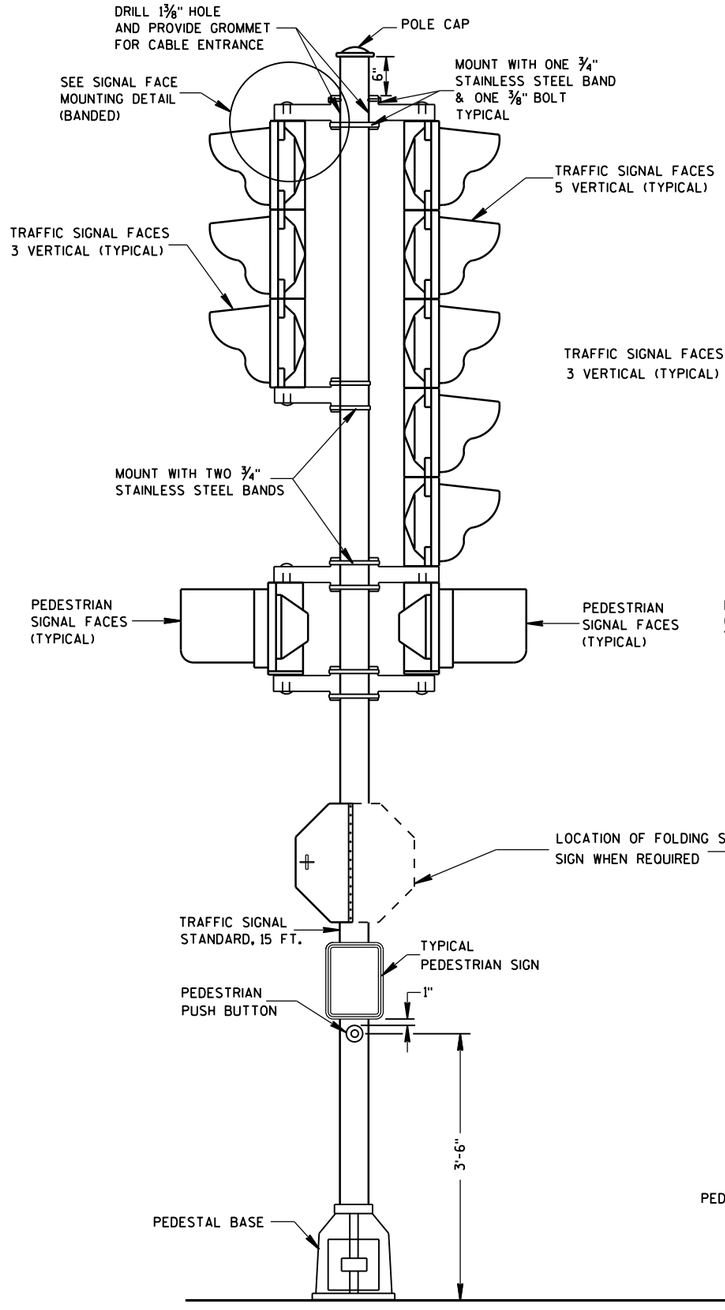
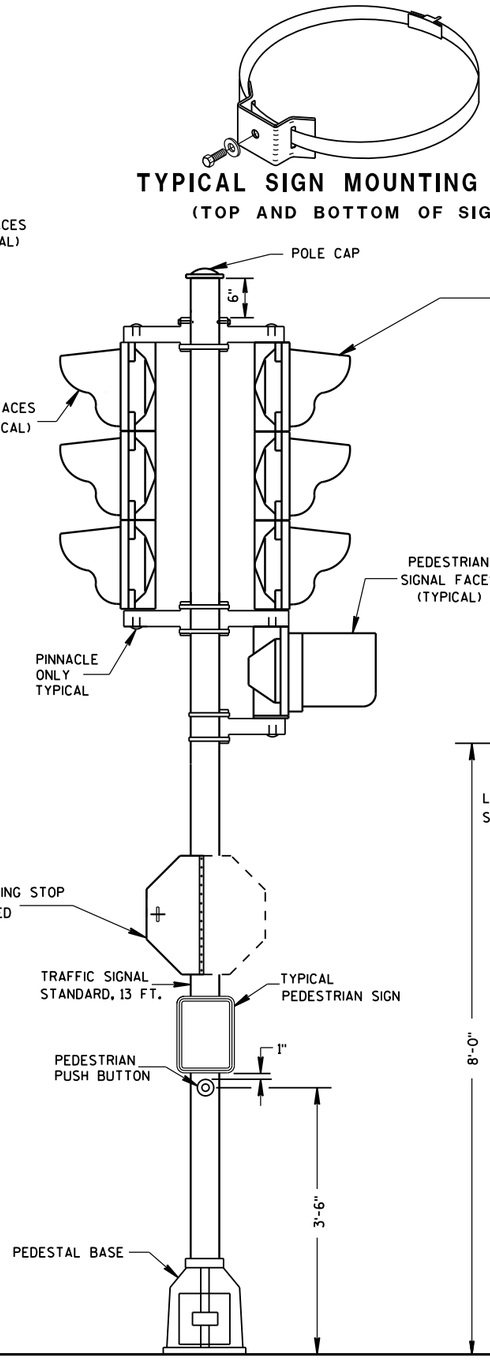
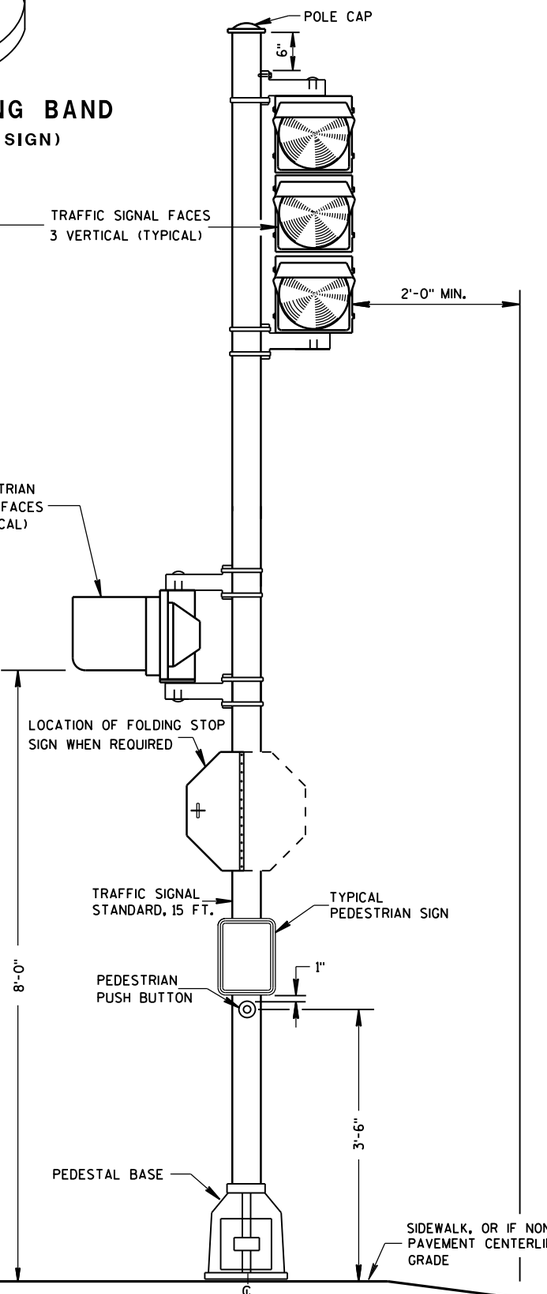


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

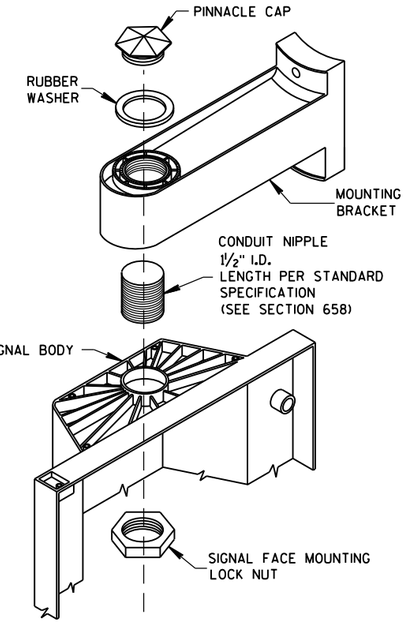
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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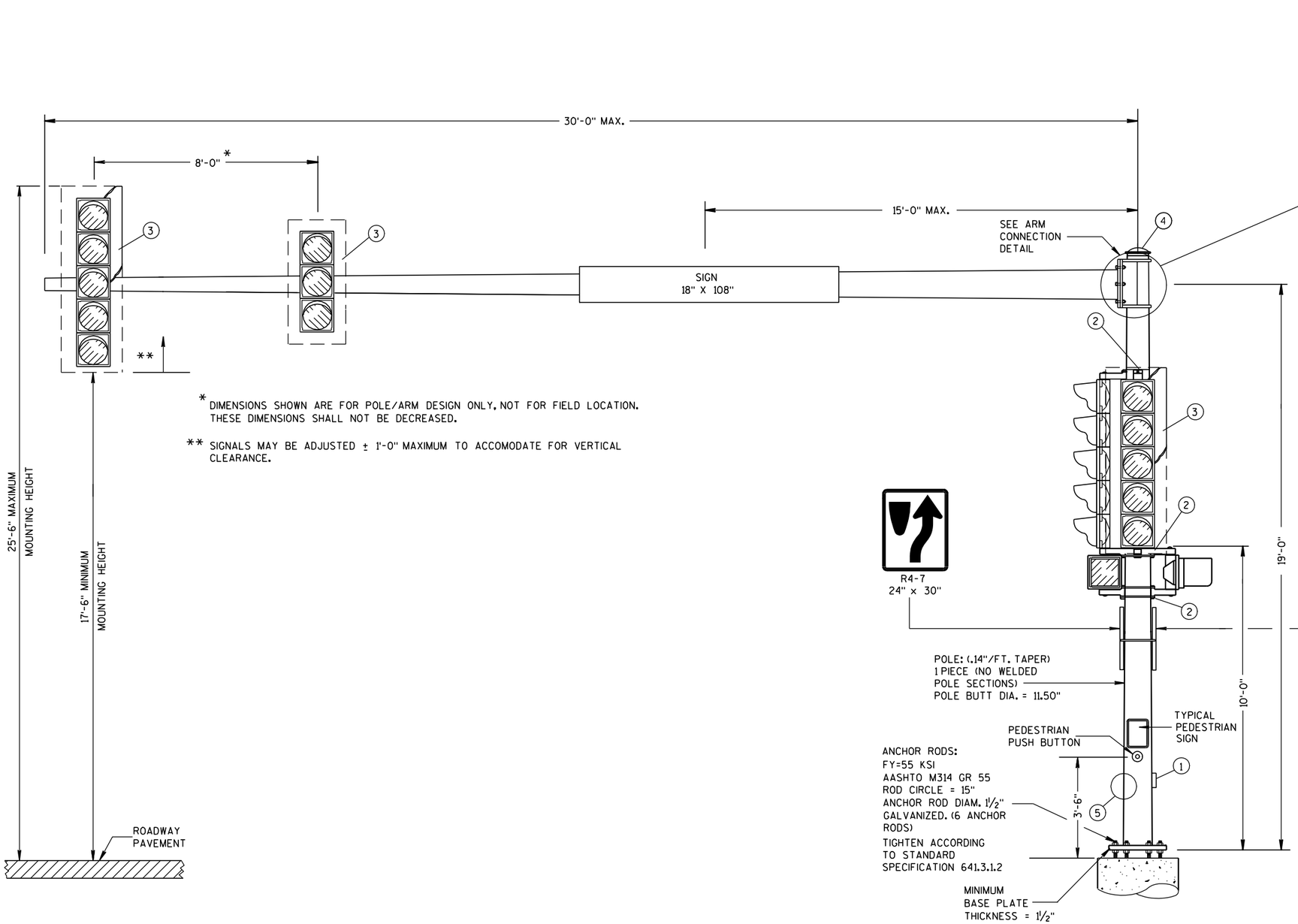
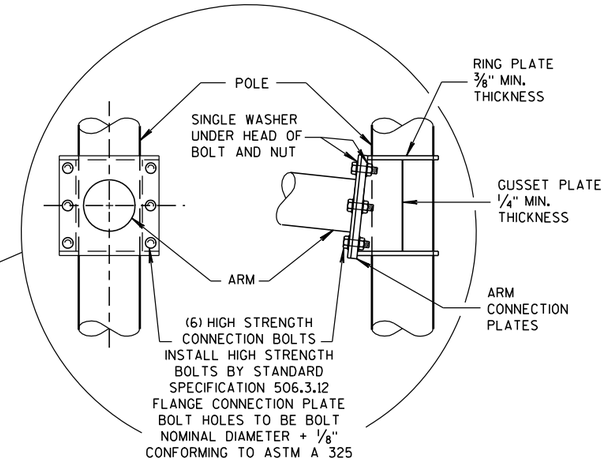


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY. NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



6 BOLT ARM CONNECTION DETAIL

ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 9 POLE 15'- 30' MONOTUBE ARM

TYPE 9 POLE 15' - 30' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3/2/2011 DATE	/S/ Thomas J. Gosling STATE ELECTRICAL ENGI 344 HWYS
FHWA	

S.D.D. 9 E 8-4a
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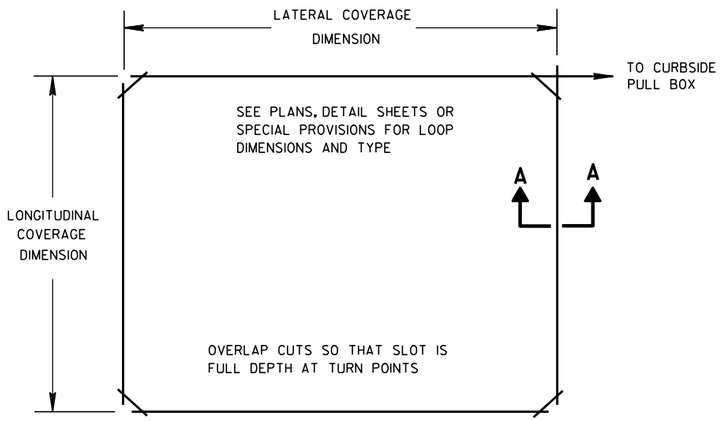
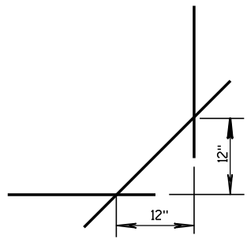
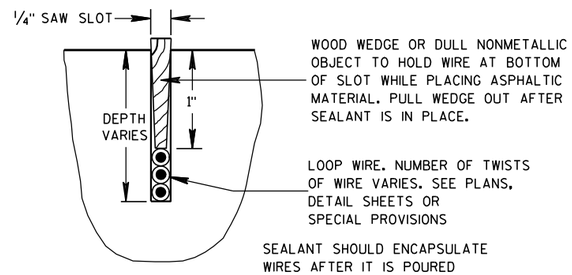


LOOP WIRE SLOT CONSTRUCTION

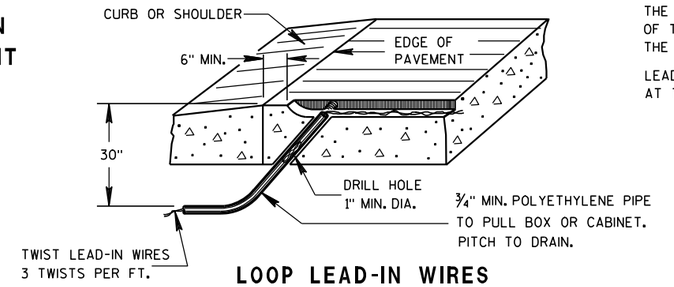


**EXPANDED VIEW
SAW CUT CORNERS**



SECTION A-A

**LOOP AND LEAD-IN
WIRES IN PAVEMENT**



**LOOP LEAD-IN WIRES
THROUGH PAVEMENT**

GENERAL NOTES

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

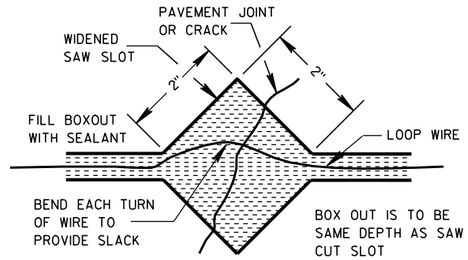
THE SLOTS IN THE PAVEMENT SHALL BE CUT TO DIMENSION WITH A SAW. THE SLOTS SHALL BE CLEANED FREE OF DIRT, DUST, MOISTURE AND DEBRIS PRIOR TO INSTALLATION OF THE WIRE.

AFTER PLACING THE WIRE IN THE SLOT, FILL THE SLOT WITH AN ASPHALTIC MATERIAL IN ACCORDANCE WITH THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".

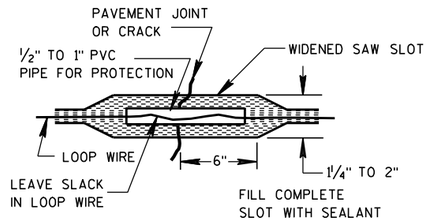
IN THE EVENT ASPHALTIC MATERIAL IS UNAVAILABLE, A FLEXIBLE TYPE EPOXY MAY BE USED AS A LOOP SLOT FILLER. THE LOOP SLOT SHALL BE CLEAN AND DRY BEFORE EPOXY IS INSTALLED. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED ONLY AFTER WRITTEN APPROVAL BY THE BY THE PROJECT ENGINEER.

THE TWO SINGLE CONDUCTOR LOOP WIRES SHALL BE TWISTED TOGETHER AT A RATE OF THREE TWISTS PER FOOT FROM THE PAVEMENT EDGE TO THE SPLICE CONNECTION WITH THE LOOP LEAD-IN CABLE.

LEAD-IN CABLES AND LOOP LEAD-IN WIRES SHALL BOTH BE CUT TO 6 FEET IN LENGTH AT THE SPLICING PULL BOX.

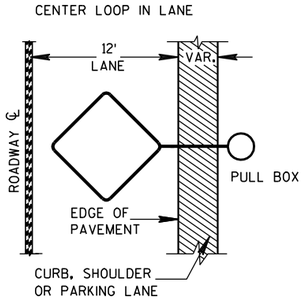


PLAN VIEW

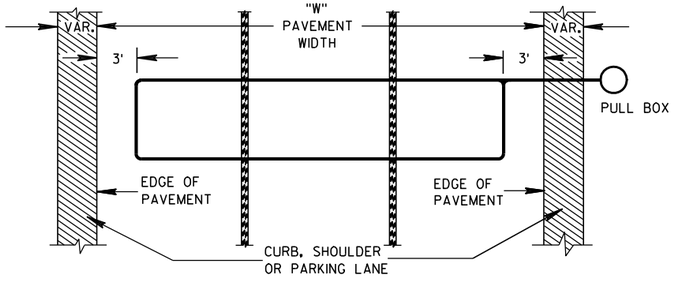


FRONT VIEW

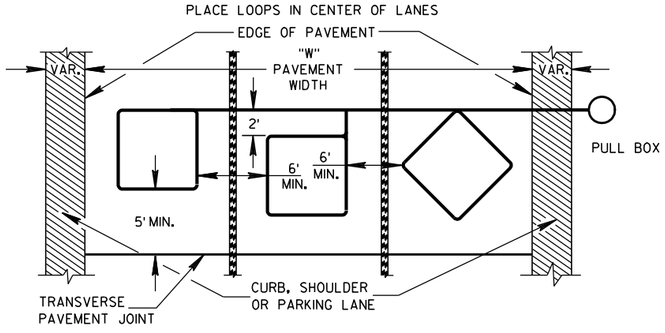
**LOOP WIRE INSTALLATION ACROSS
PAVEMENT JOINT OR CRACK**



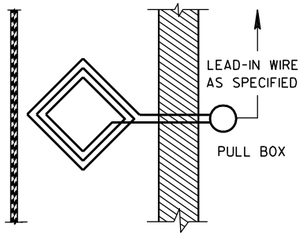
LOOP WIRE SLOT PLAN



LOOP WIRE SLOT PLAN

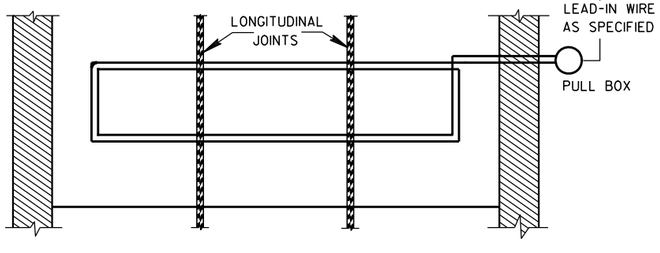


LOOP WIRE SLOT PLAN



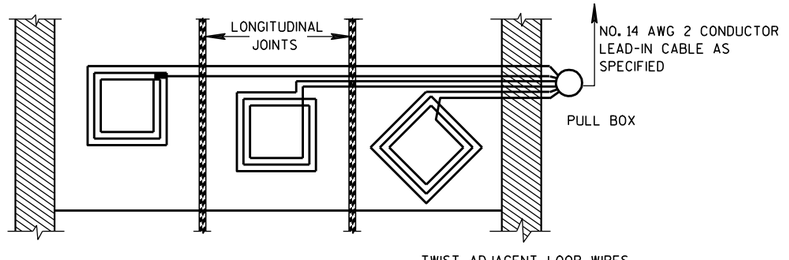
**LOOP WIRE LAY
CONSTRUCTION DETAILS**

SINGLE LANE LOOP DETECTION



**LOOP WIRE LAY
CONSTRUCTION DETAILS**

MULTIPLE LANE MASS LOOP DETECTION



**LOOP WIRE LAY
CONSTRUCTION DETAILS**

**MULTIPLE LANE DETECTION BY
INDIVIDUAL LANES, TYPICAL TYPE LOOPS**

DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/12/00 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI 345 HWYS
FHWA

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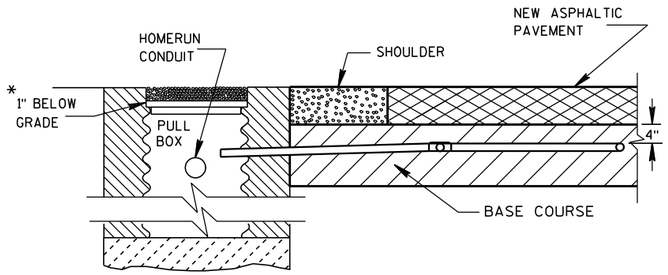
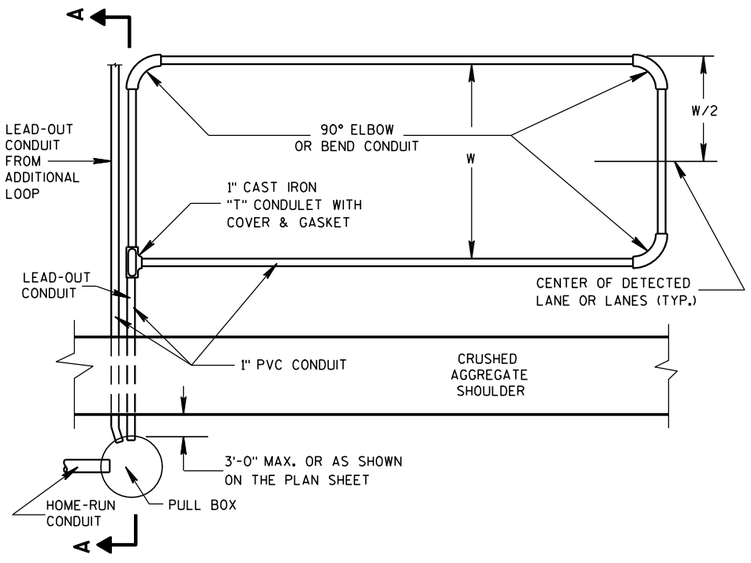


SECTION A-A
NO CURB & GUTTER

DETECTOR LOOP INSTALLATION DETAIL

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR

GENERAL NOTES

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

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

PITCH LEAD-OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

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

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

ANTI-SIEZE LUBRICATING MATERIAL SHALL BE USED ON ALL THREADS OF THREADED ASSEMBLIES BEFORE INSTALLATION.

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

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

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

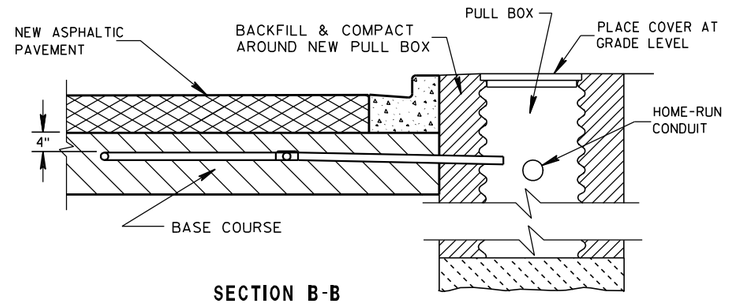
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT AND CONDULET SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE ASPHALTIC PAVEMENT IS PLACED.

WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE. PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

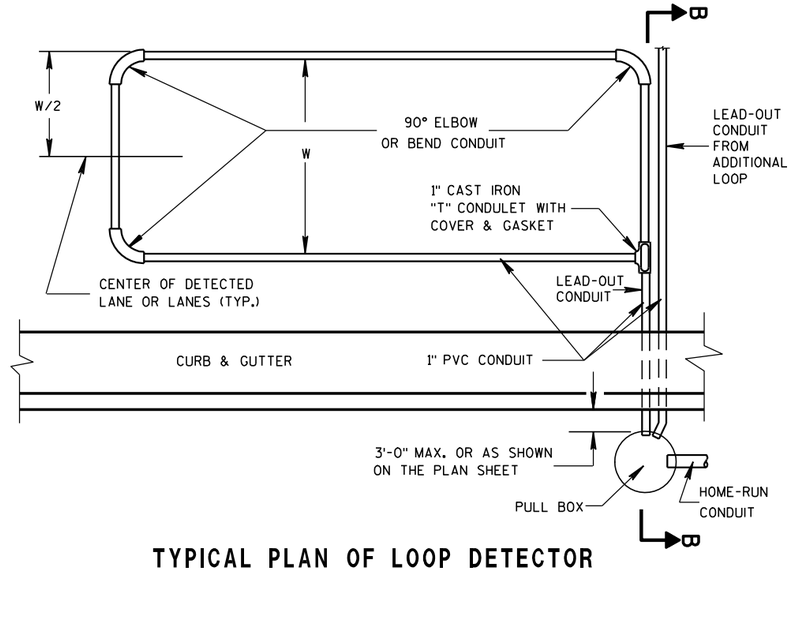
SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".

DRIVE A 1½" MAX. PK NAIL INTO THE NEW ASPHALTIC PAVEMENT AND DIRECTLY ABOVE THE CONDULET AFTER THE FINAL LAYER OF NEW ASPHALTIC PAVEMENT IS COMPLETELY INSTALLED, IF REQUIRED BY THE DISTRICT TRAFFIC SECTION.



SECTION B-B
CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/7/06 — DATE

/S/ Balu Ananthar[illegible]an — STATE ELECTRICAL ENGI

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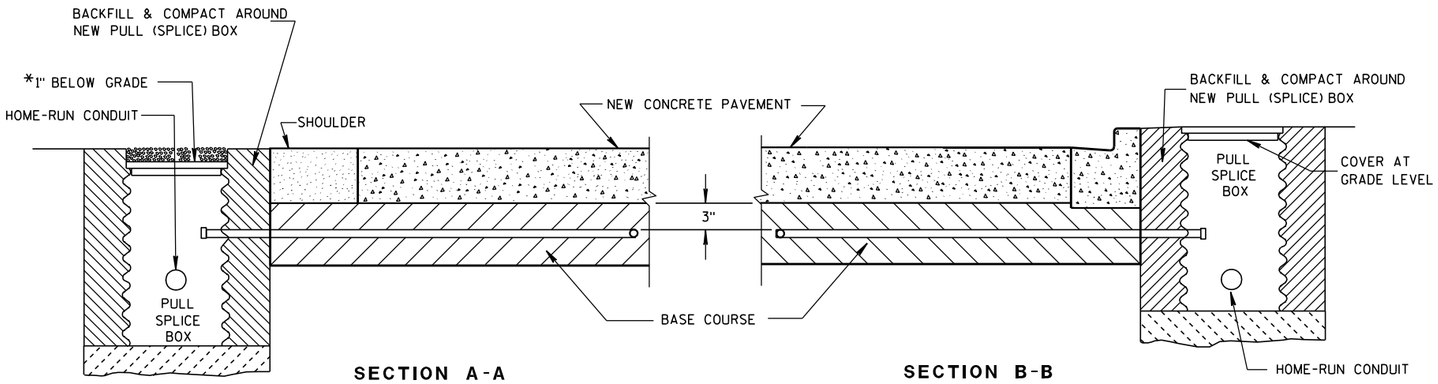


SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

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

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

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

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

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

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

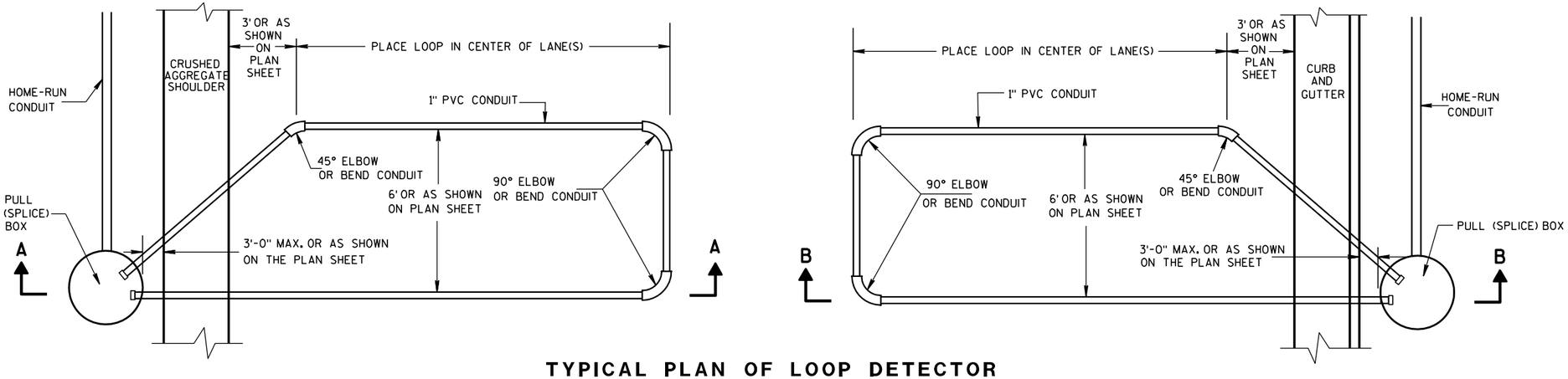
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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

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

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

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



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/7/06 — DATE
/S/ Balu Aganthangarayanan — STATE ELECTRICAL ENGI
FHWA

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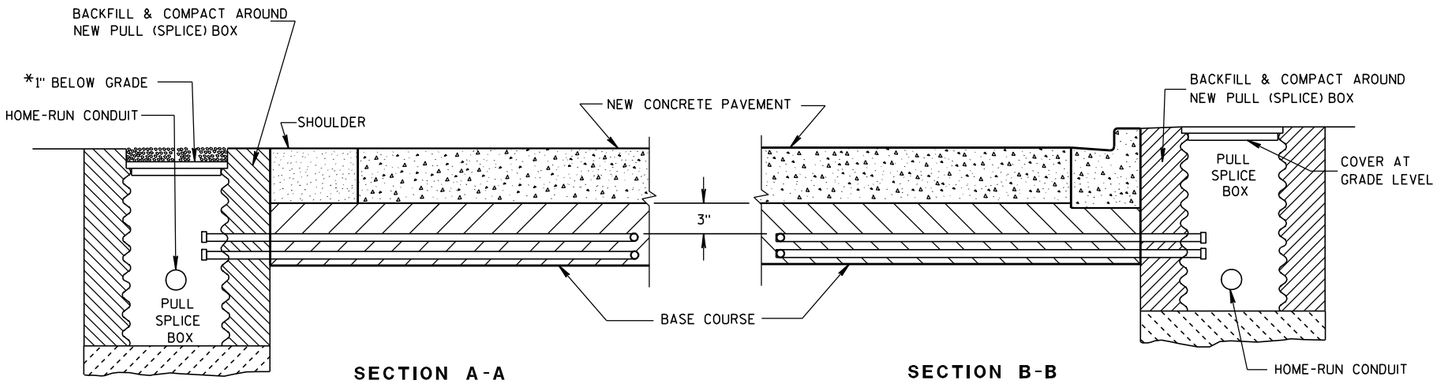


SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

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

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

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

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

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

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

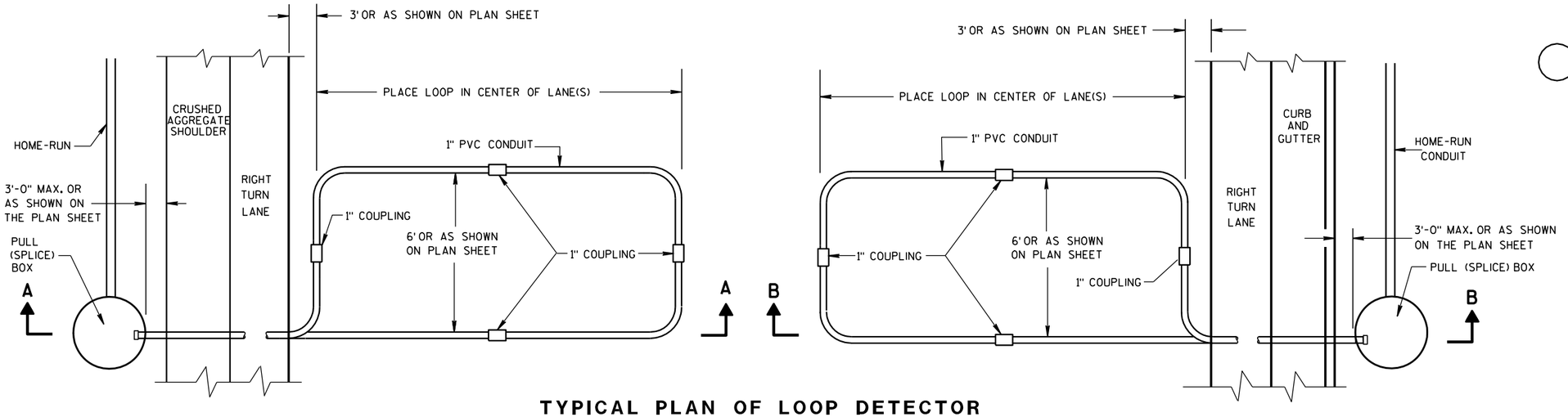
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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

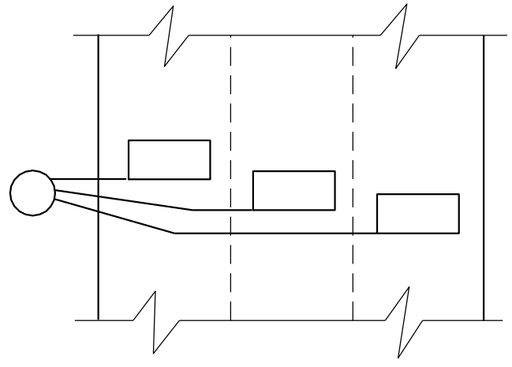
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

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

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



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/7/06 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 348 HWYS
FHWA

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S.D.D. 9 F 15-3b

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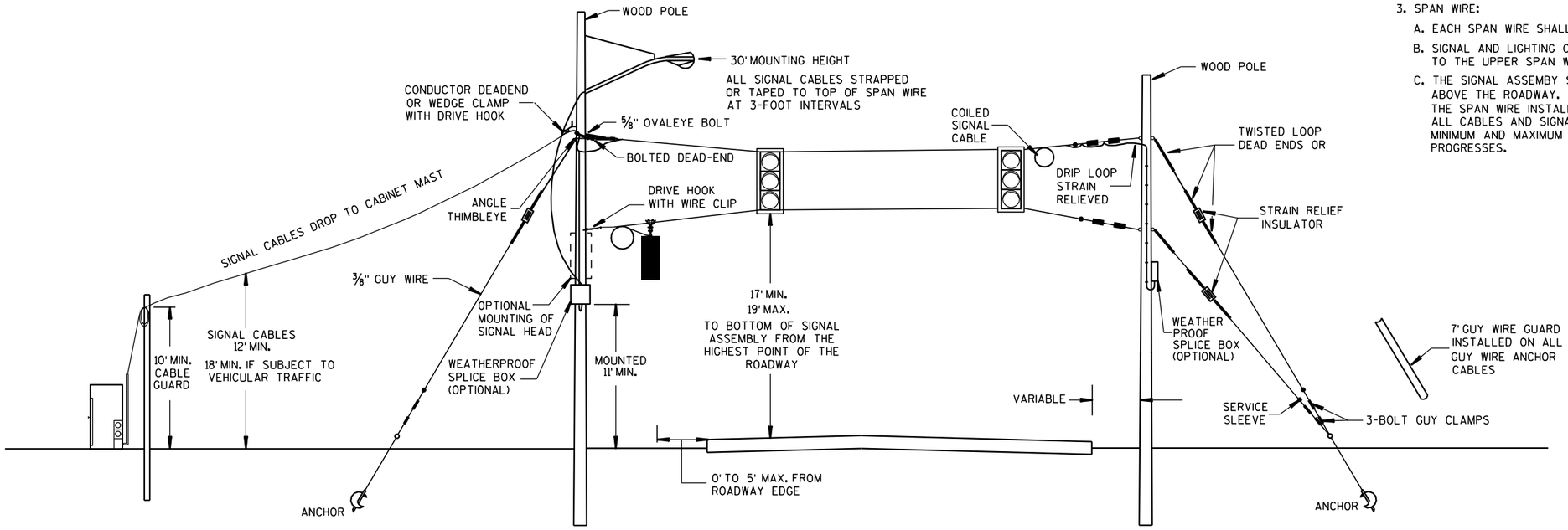
GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthar[illegible]n
STATE ELECTRICAL ENGI 349 HWYS

FHWA

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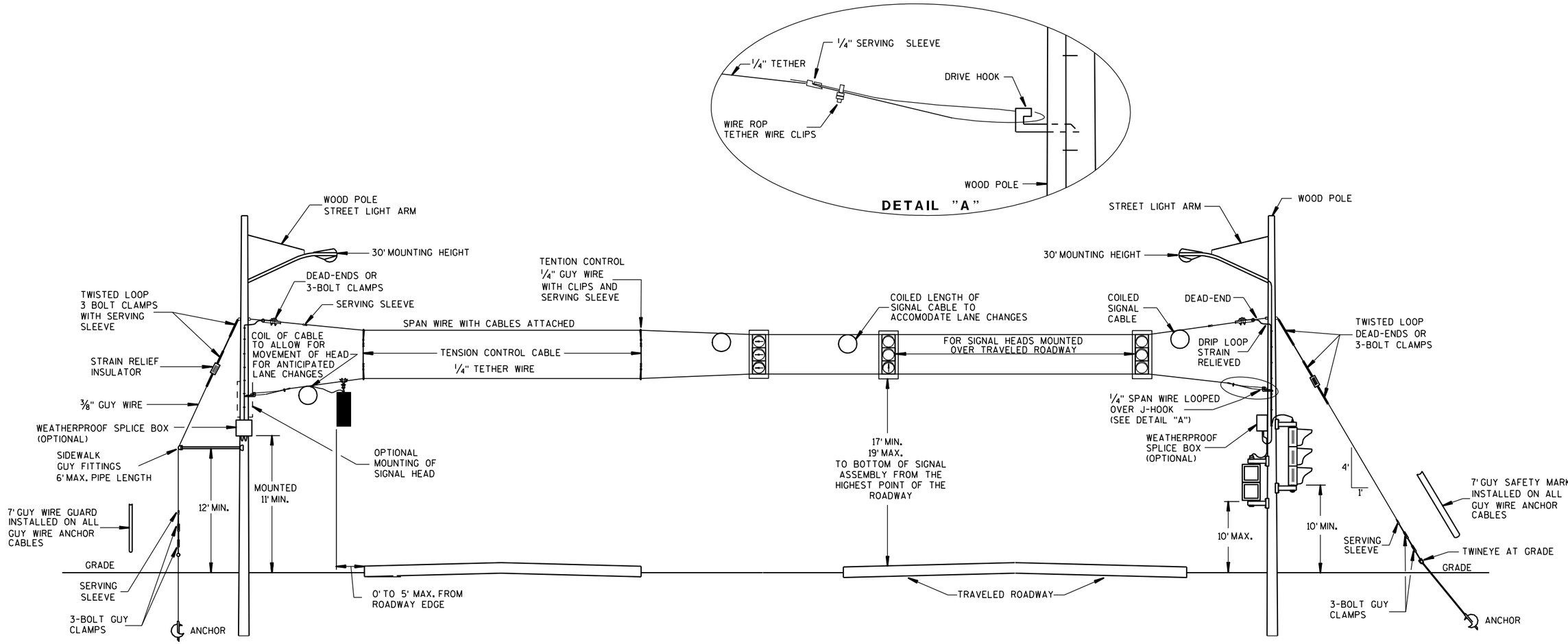
S.D.D. 9 G 1-3a



GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 350 HWYS

FHWA

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S.D.D. 9 G 1-3b

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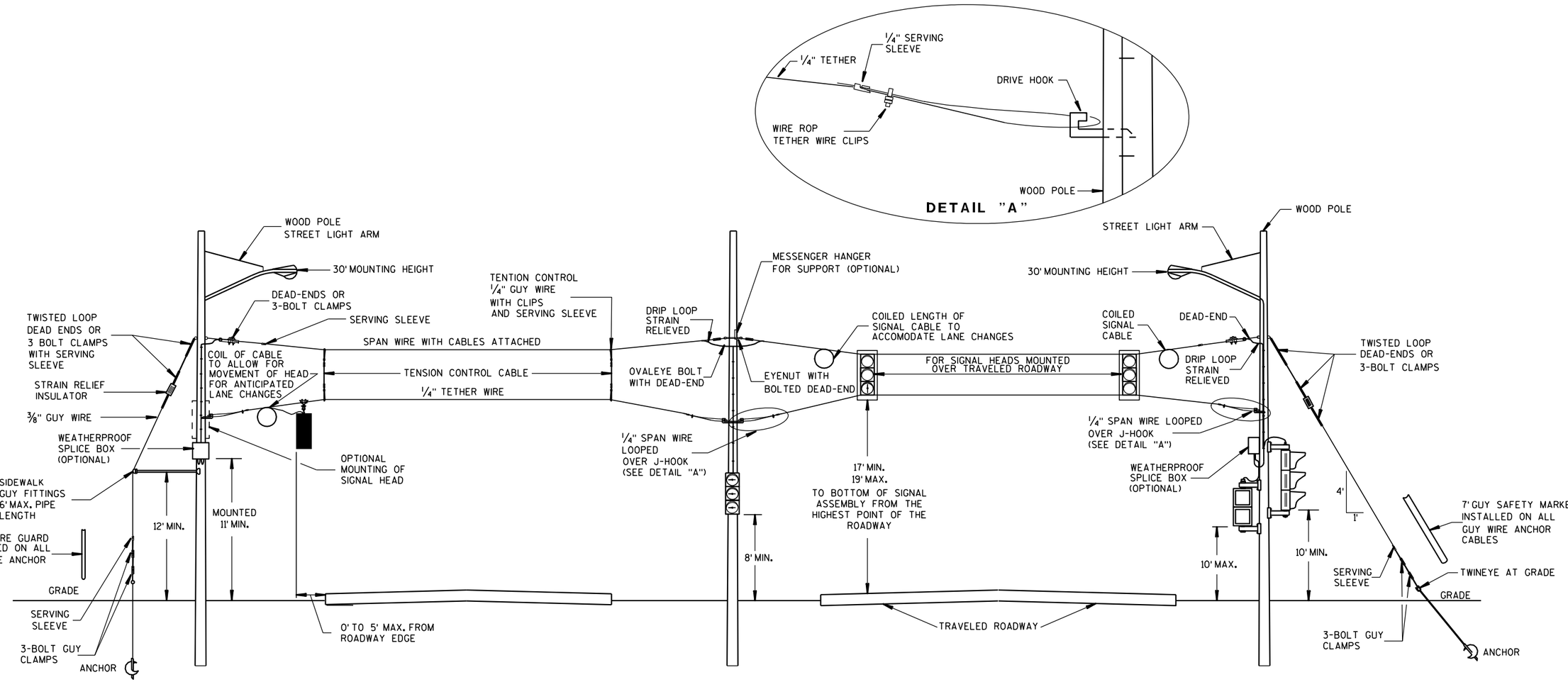
S.D.D. 9 G 1-3b



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

351 HWYS

FHWA

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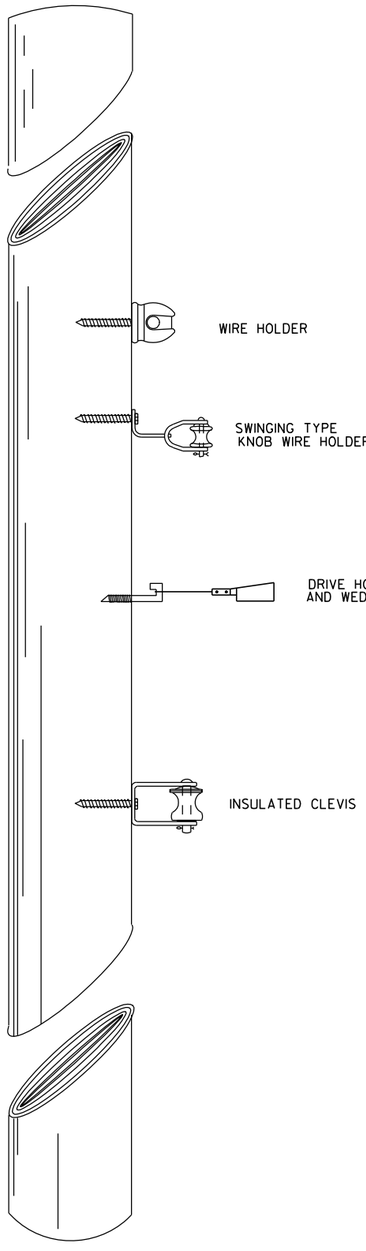
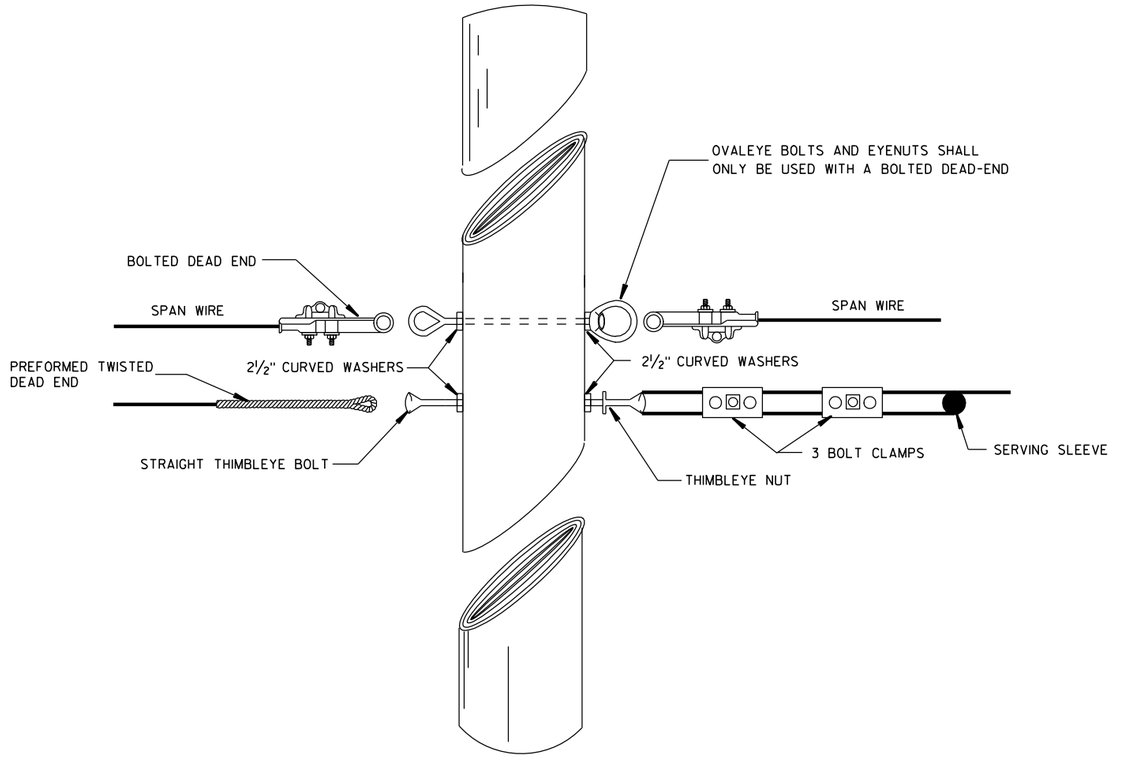
S.D.D. 9 G 1-3c



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08	/S/ Balu Ananthanarayanan
DATE	STATE ELECTRICAL ENGI 352 HWYS

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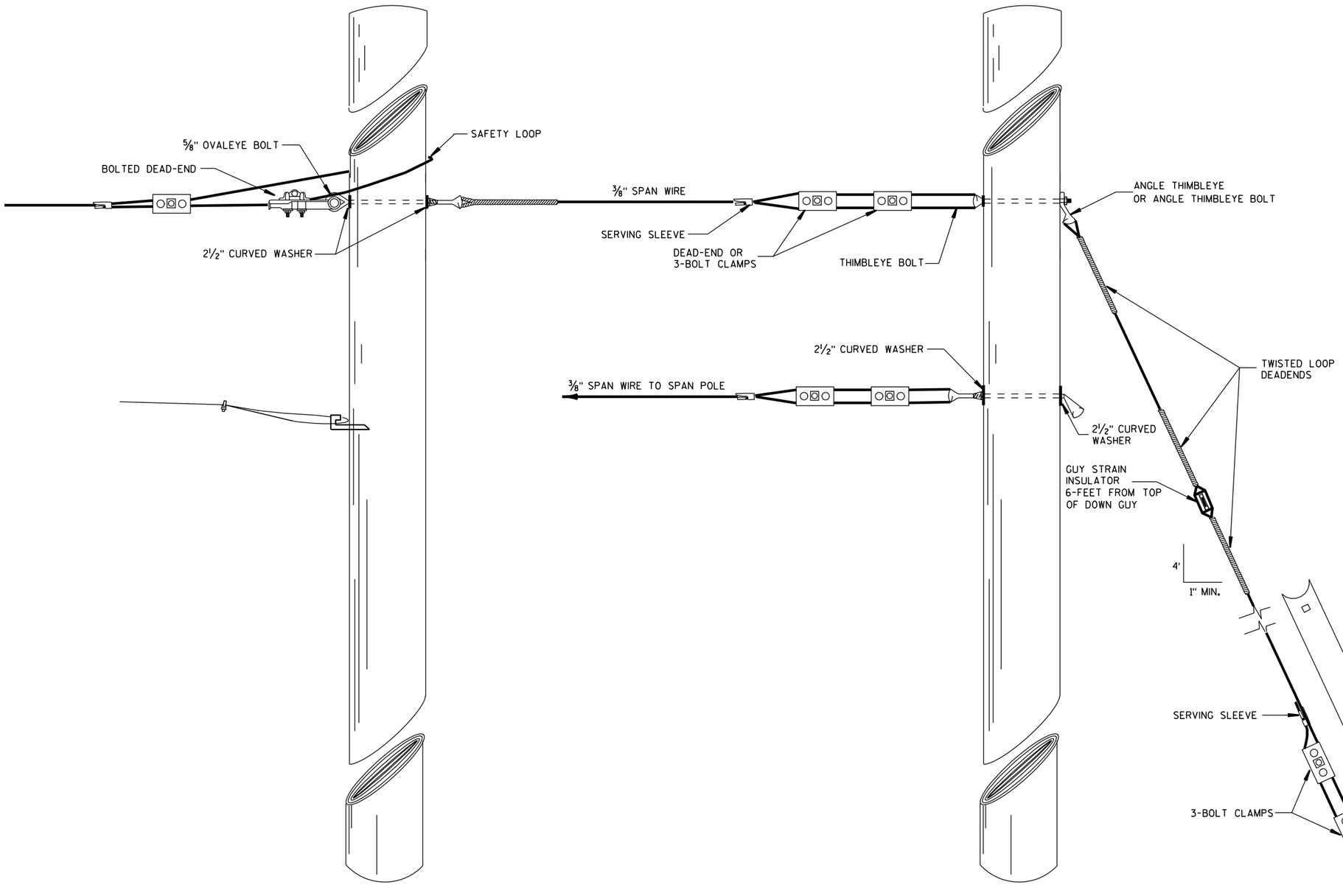
S.D.D. 9 G 1-3d

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE

GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 353 HWYS
FHWA

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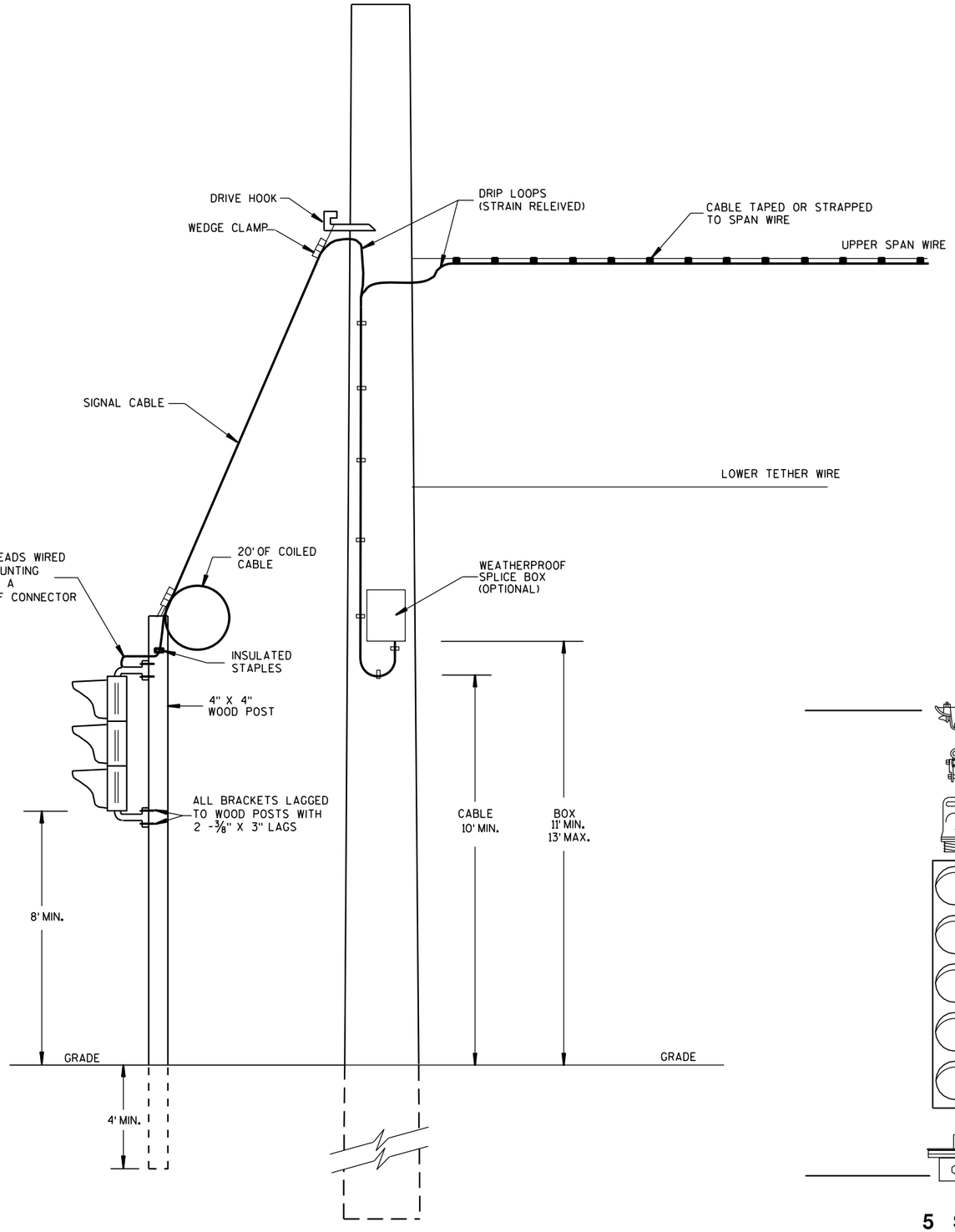
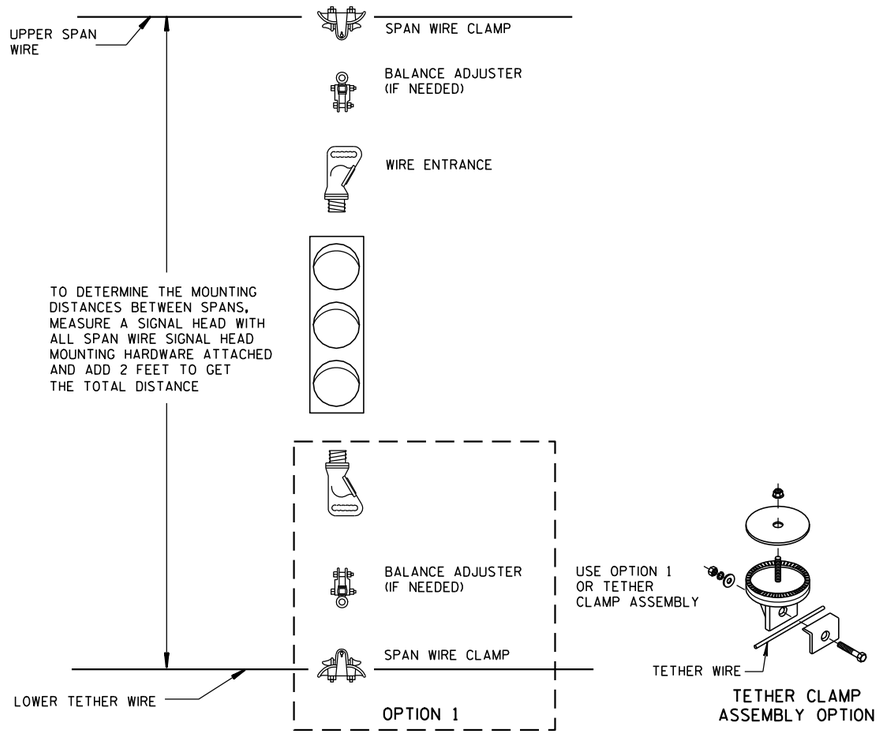
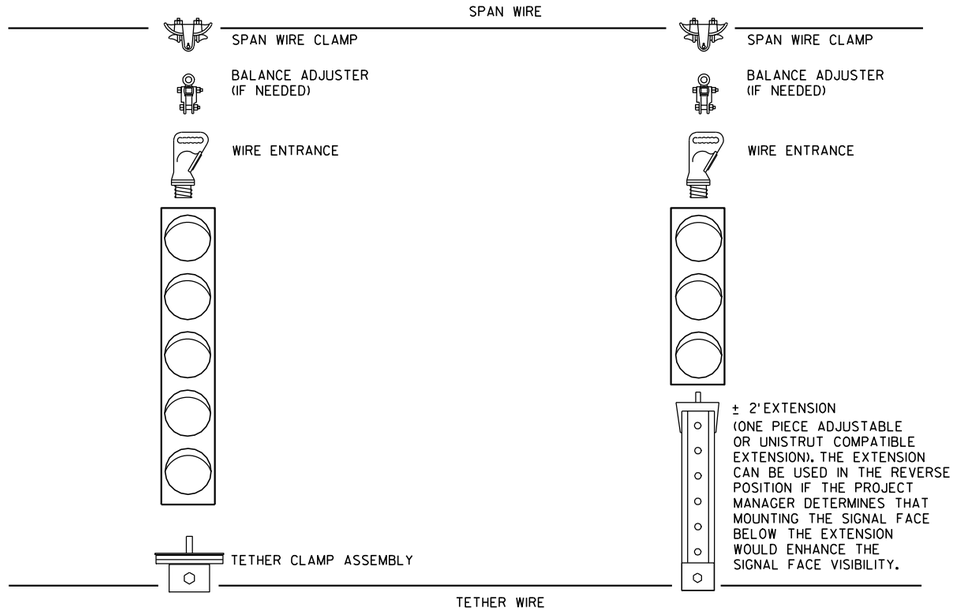
S.D.D. 9 G 1-3e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08	/S/ Balu Ananthanarayanan	
DATE	STATE ELECTRICAL ENGI 354	HWYS

FHWA

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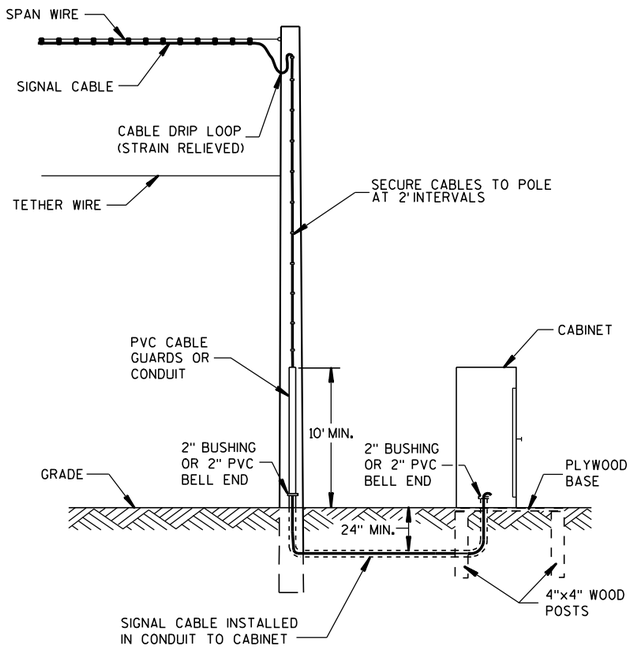
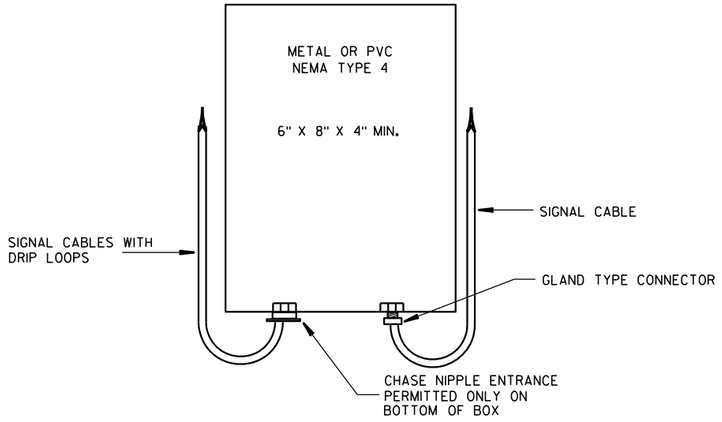
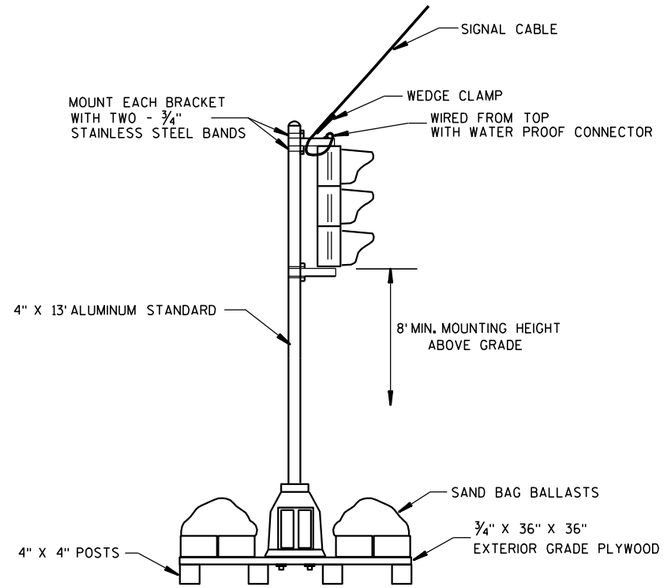
S.D.D. 9 G 1-3f

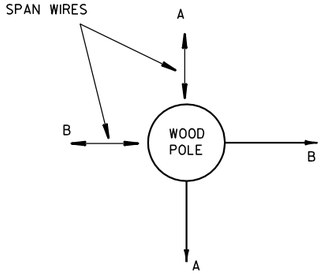




SPLICE BOX

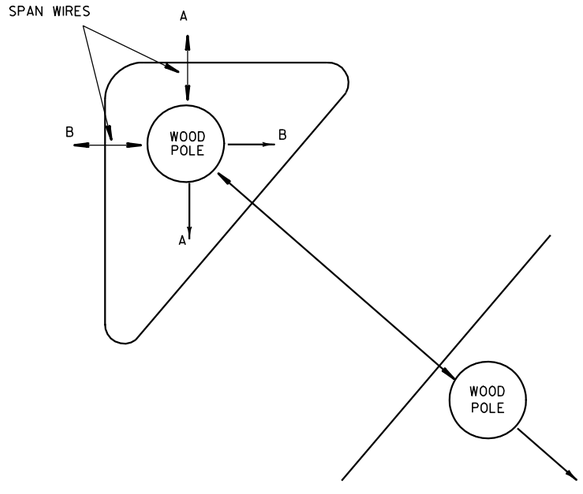


TYPICAL SKID TYPE TEMPORARY

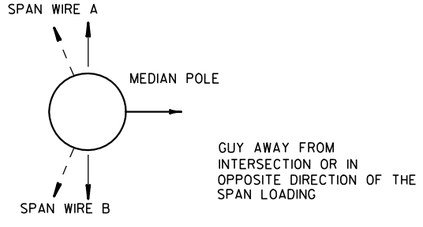


ALL DOWN OR SIDEWALK GUYS SHALL BE INSTALLED IN THE OPPOSITE DIRECTION OF THE STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM INTERSECTION OR IN OPPOSITE DIRECTION OF THE SPAN LOADING

MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08
DATE

/S/ Balu Aganthangayanan
STATE ELECTRICAL ENGI 355 HWYS

FHWA

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S.D.D. 9 G 1-3g

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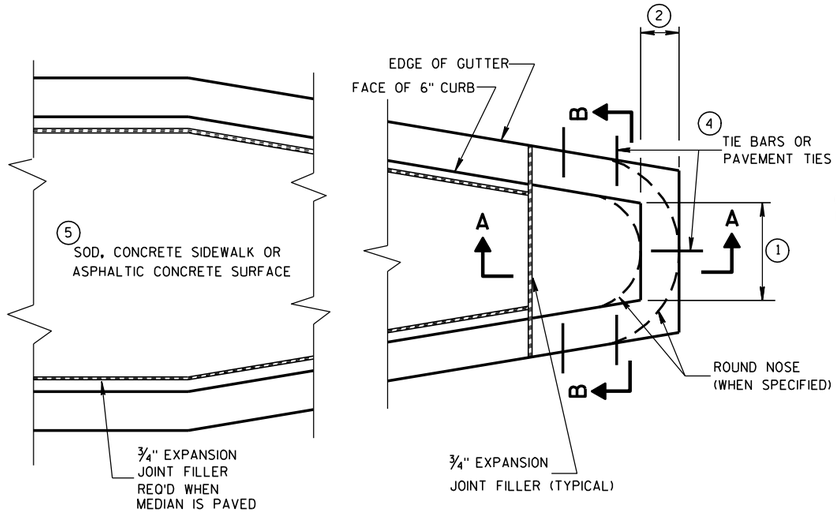
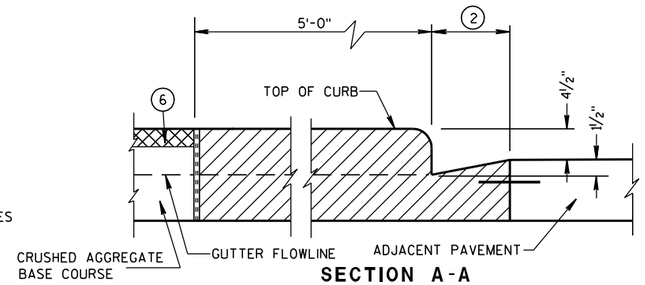
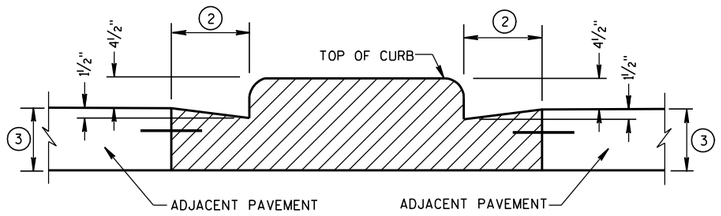
S.D.D. 9 G 1-3g





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

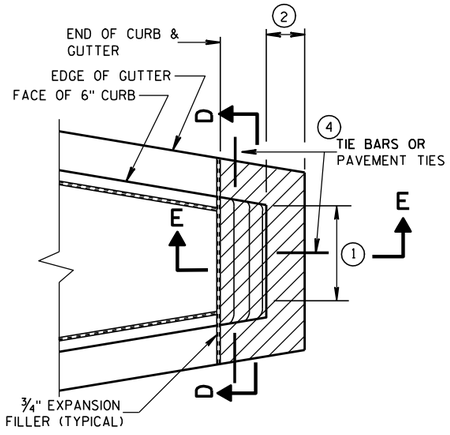
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

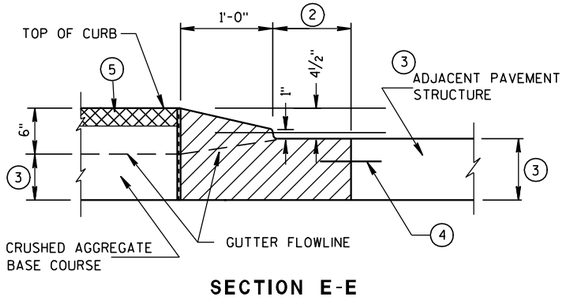
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

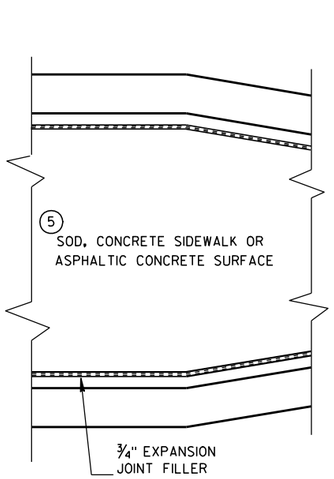
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

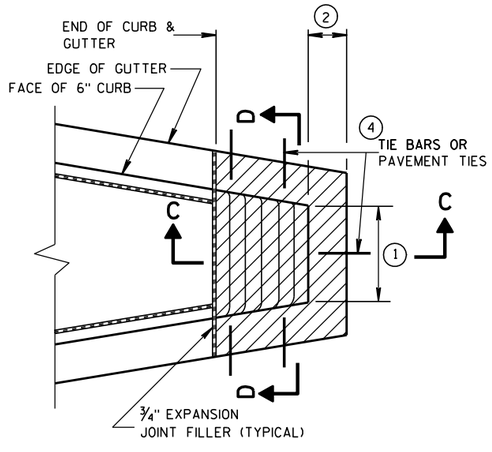




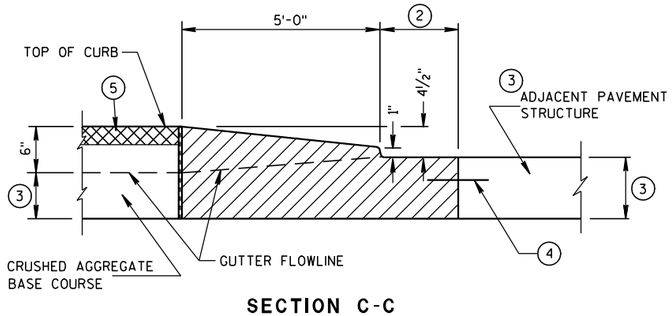
SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

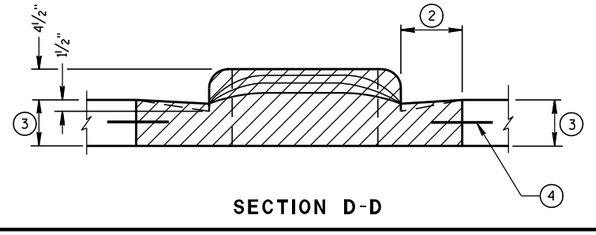




CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION C-C



SECTION D-D

CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER 356 NT

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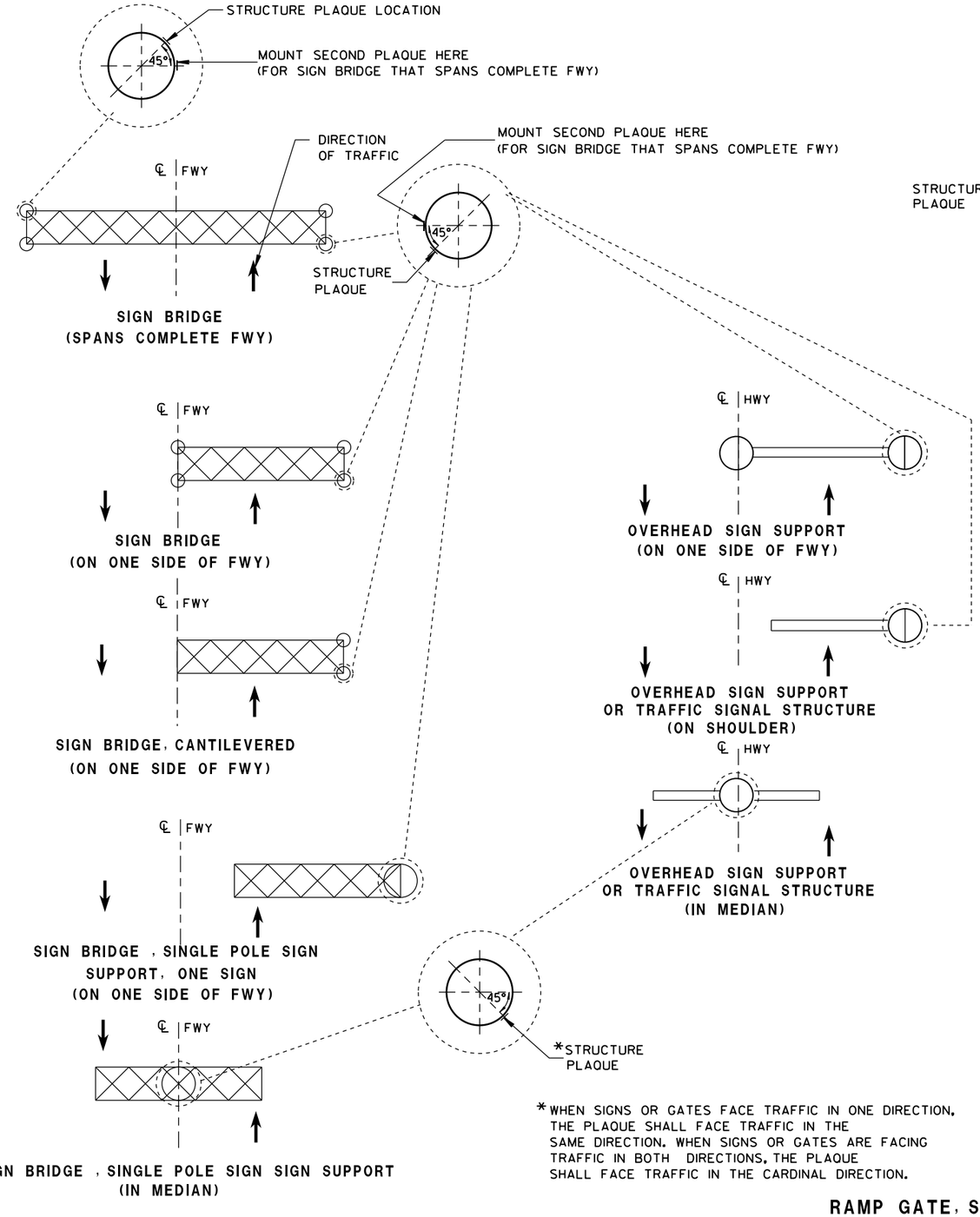
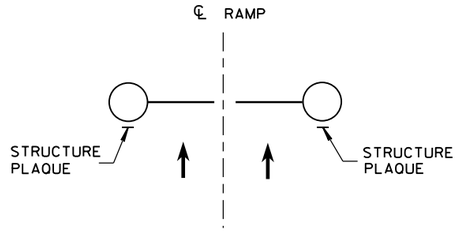
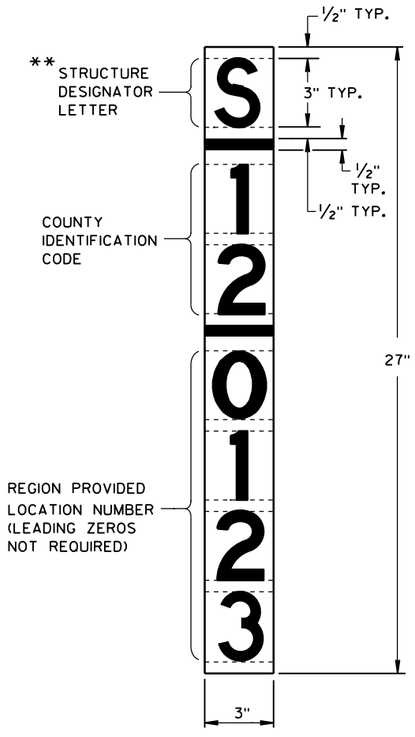


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

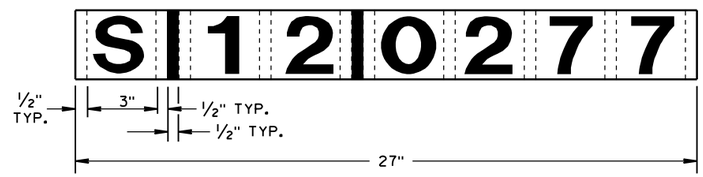
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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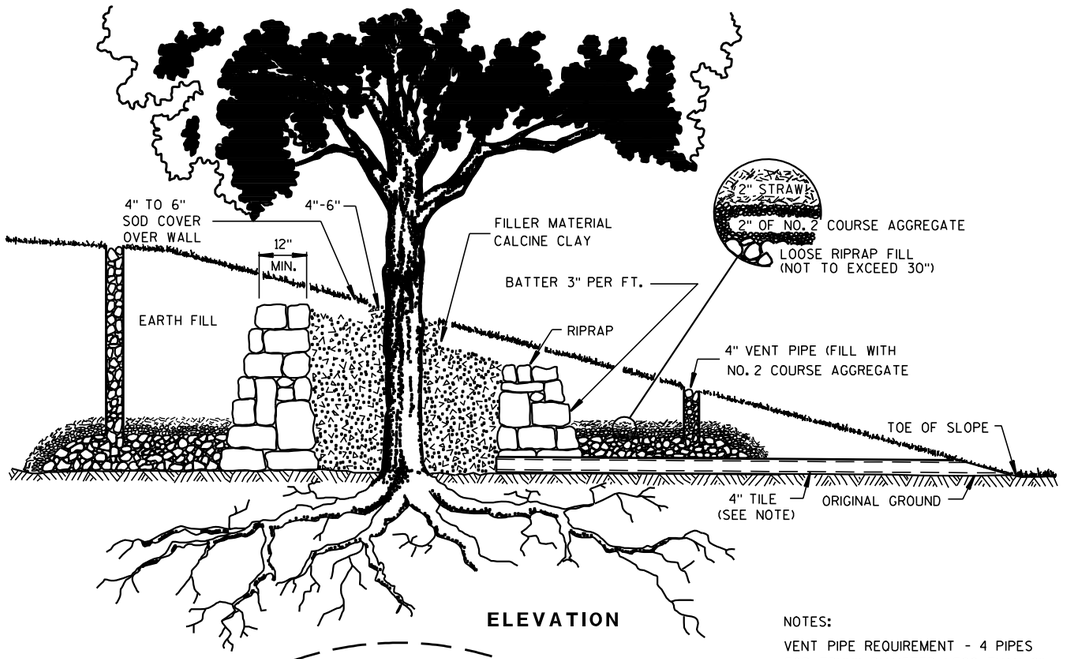
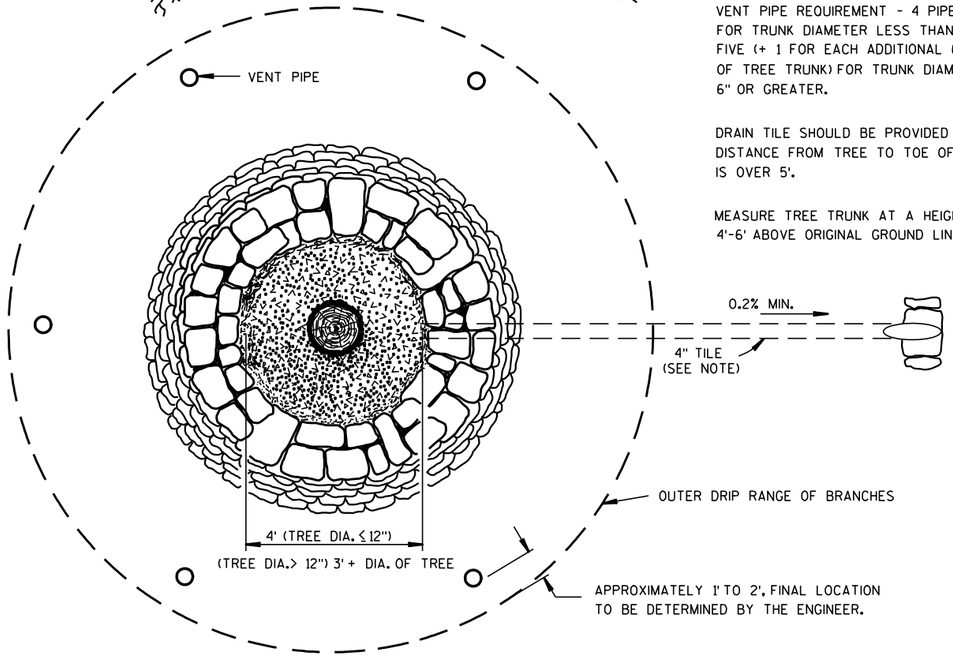


ELEVATION



PLAN

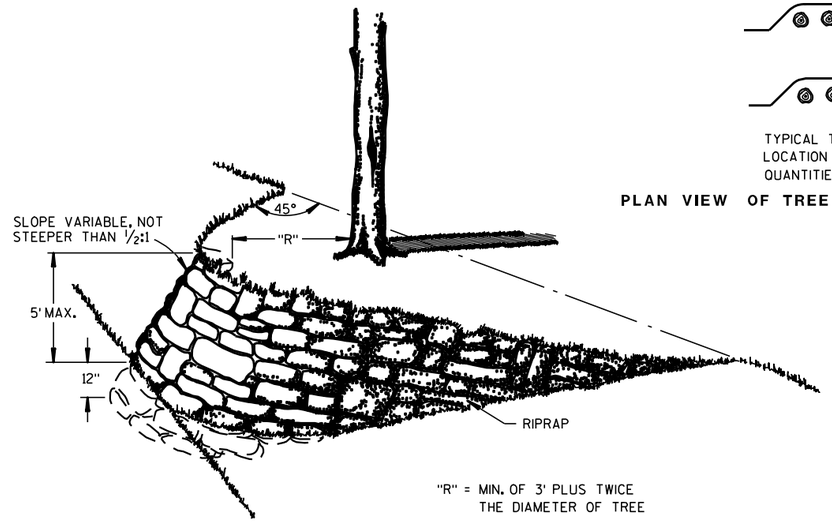
FULL TREE WELL WITH RIPRAP WALL

NOTES:

VENT PIPE REQUIREMENT - 4 PIPES FOR TRUNK DIAMETER LESS THAN 6". FIVE (+ 1 FOR EACH ADDITIONAL 6" OF TREE TRUNK) FOR TRUNK DIAMETER 6" OR GREATER.

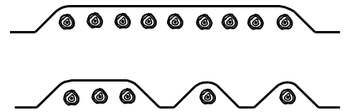
DRAIN TILE SHOULD BE PROVIDED IF DISTANCE FROM TREE TO TOE OF SLOPE IS OVER 5'.

MEASURE TREE TRUNK AT A HEIGHT 4'-6' ABOVE ORIGINAL GROUND LINE.



"R" = MIN. OF 3' PLUS TWICE THE DIAMETER OF TREE

DETAILS OF TREE ISLAND AND ROOT PROTECTION



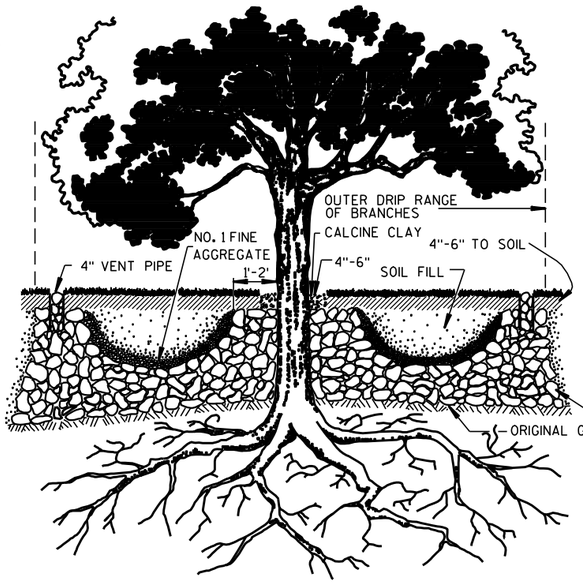
TYPICAL TREATMENTS OF ROOT PROTECTION. LOCATION SHOWN ON MISCELLANEOUS QUANTITIES SHEET.

PLAN VIEW OF TREE ISLANDS FOR ONE OR MORE TREES

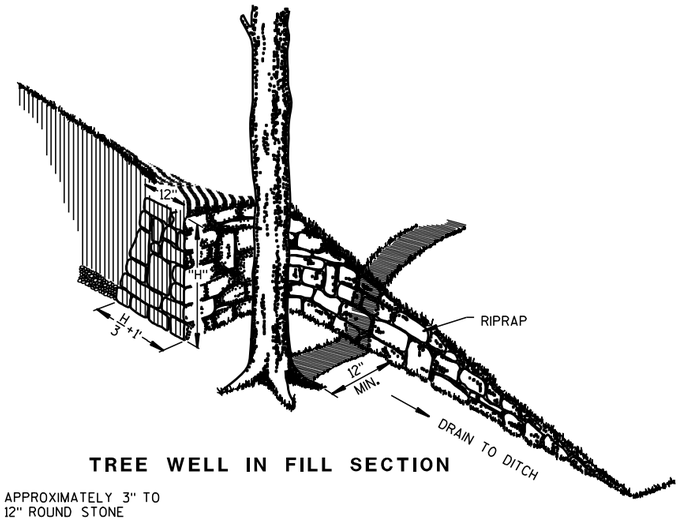
GENERAL NOTES

WALLS TO BE BUILT TO APPROXIMATE SHAPE AND DIMENSIONS SHOWN. STONE TO CONFORM TO SPECIFICATIONS FOR RIPRAP.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.



TREE WELL WITHOUT WALL



TREE WELL IN FILL SECTION

DETAILS FOR TREE WELLS

TREE PRESERVATION DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/25/76 DATE — /S/ D. L. Strand STATE DESIGN ENGINEER — WYS

FHWA

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S.D.D. 14 A 1-3

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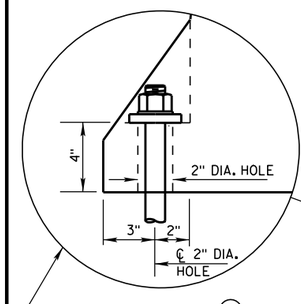
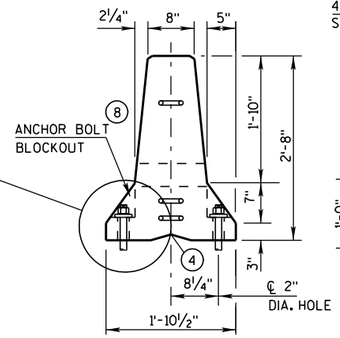
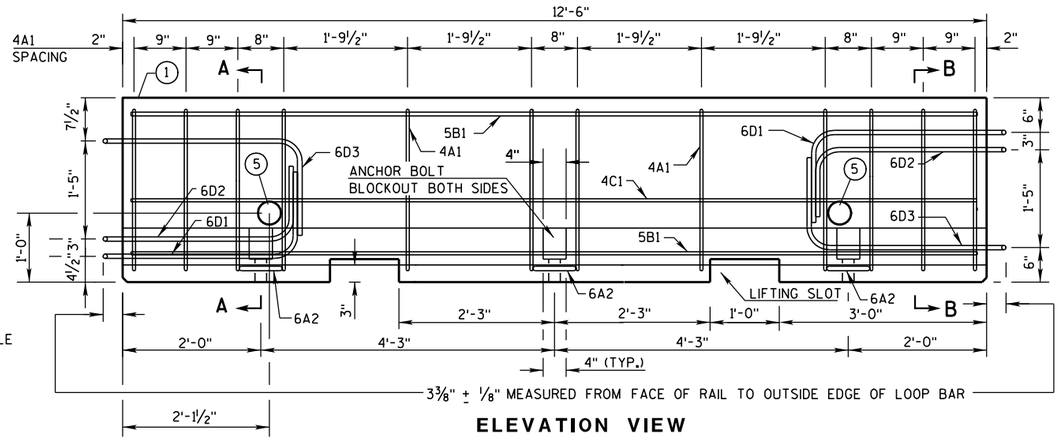
S.D.D. 14 A 1-3



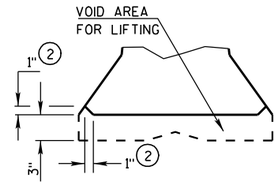
ANCHOR ON TRAFFIC SIDE (8) ONLY WHEN REQUIRED (SEE SHEET D FOR ADDITIONAL ANCHOR DETAIL)



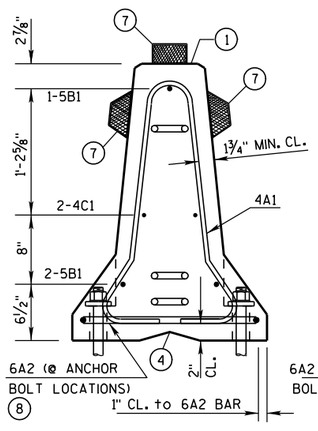
END VIEW



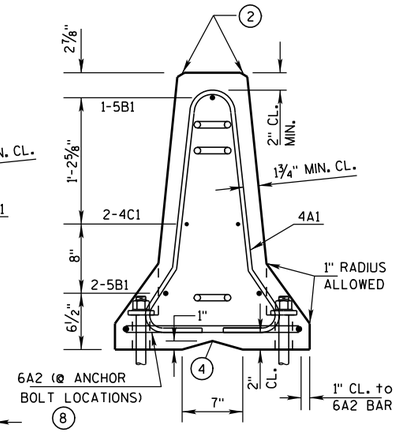
ELEVATION VIEW



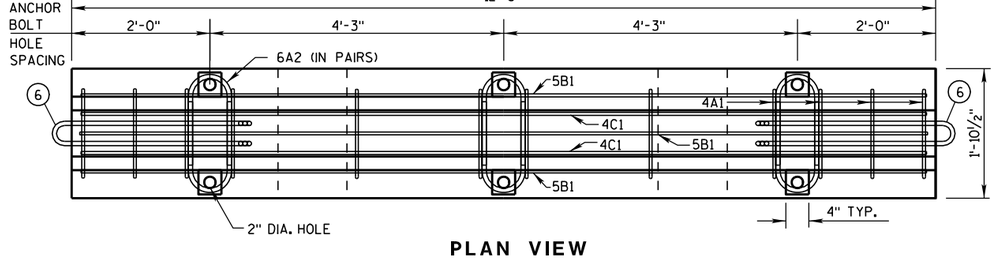
DETAIL "B" LIFTING SLOT DETAIL



SECTION A-A
(STIRRUP PLACEMENT)

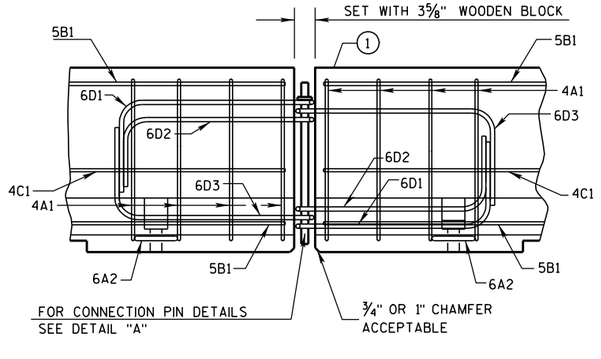


SECTION B-B
(STIRRUP PLACEMENT)

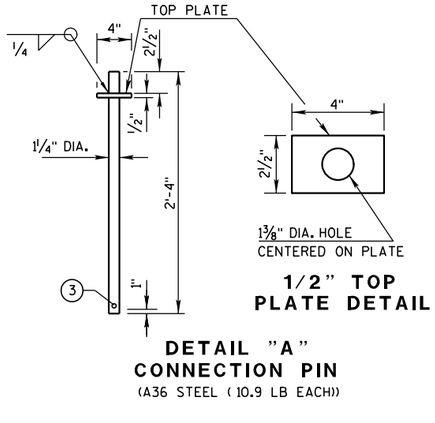


PLAN VIEW

DETAILS OF BARRIER SECTION

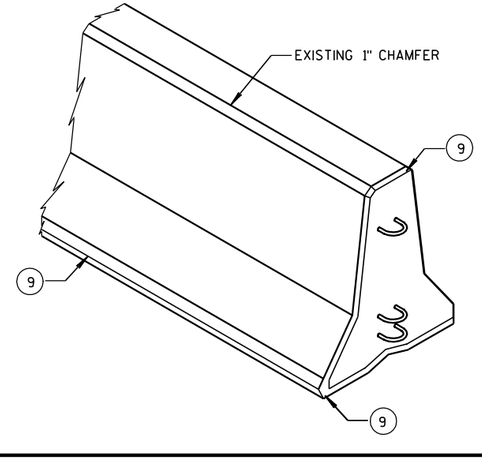


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A" CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-13(a) THRU 14B7-13(h).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR EPOXY ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WICBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR ANCHORING CRITERIA.

(9) 1" CHAMFER OPTIONAL.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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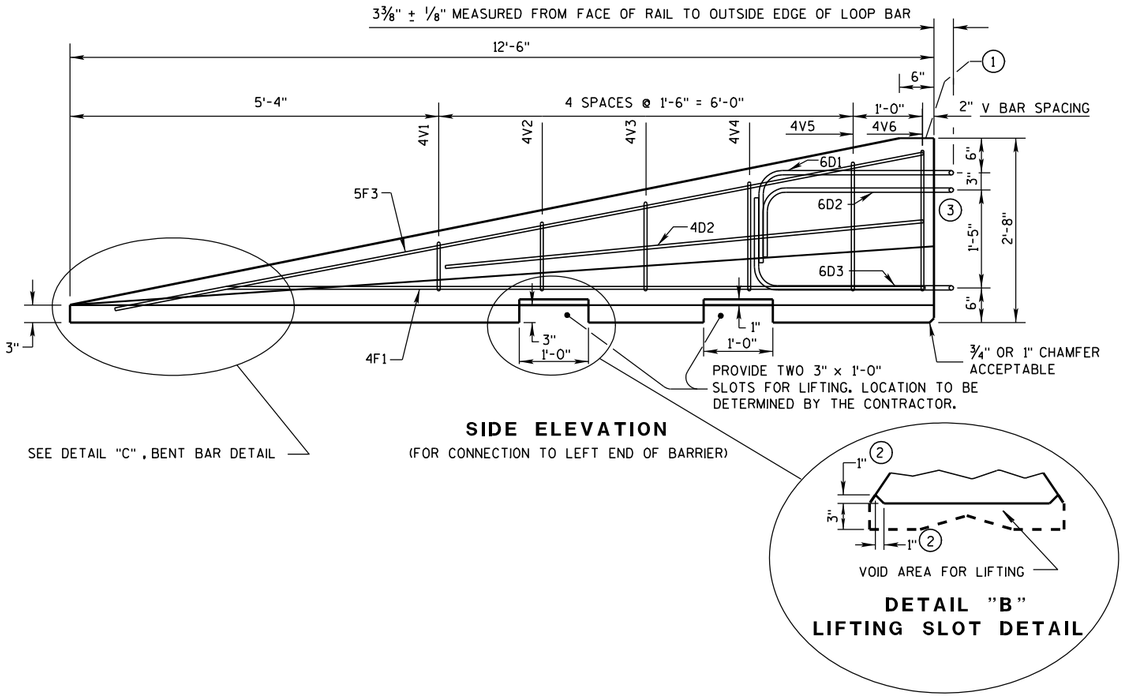
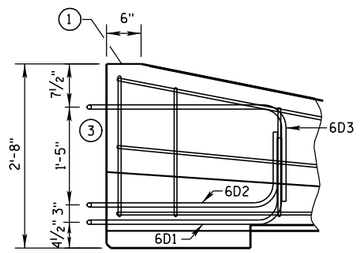
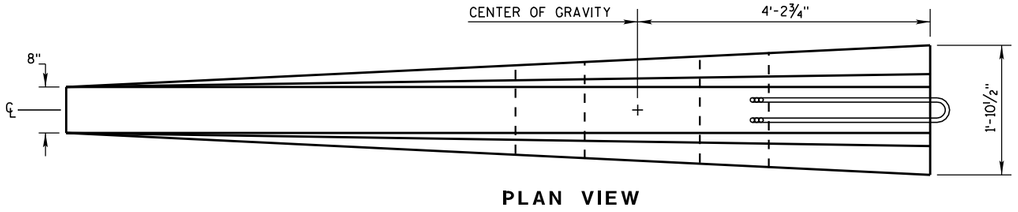
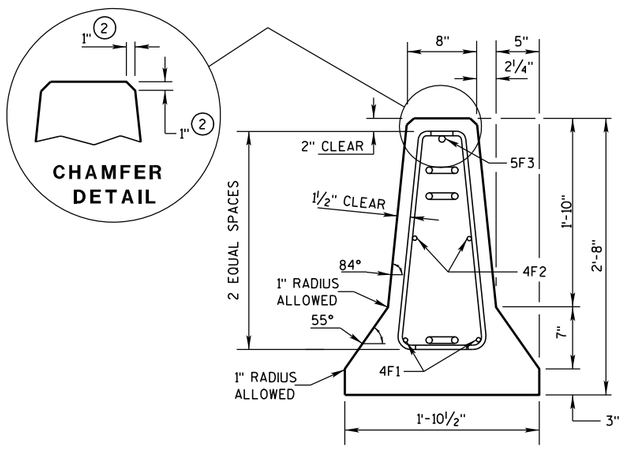


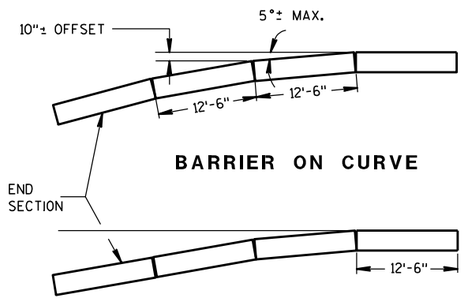


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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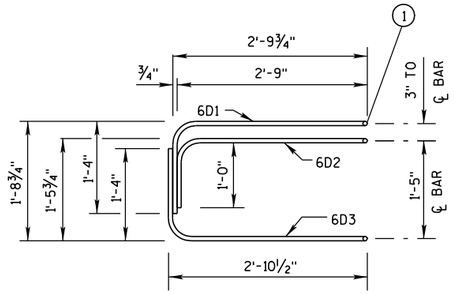
S.D.D. 14 B 7-13b

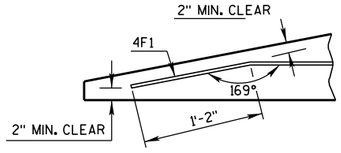
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

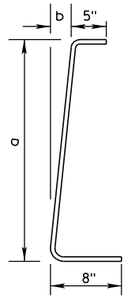
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

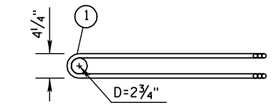
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

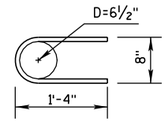
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

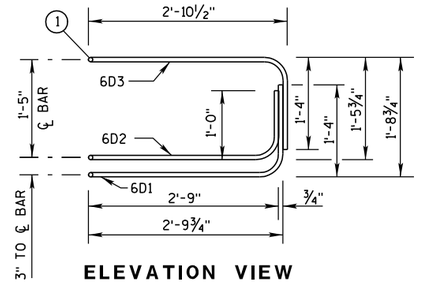
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



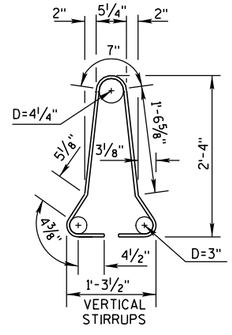
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



ELEVATION VIEW



4A1

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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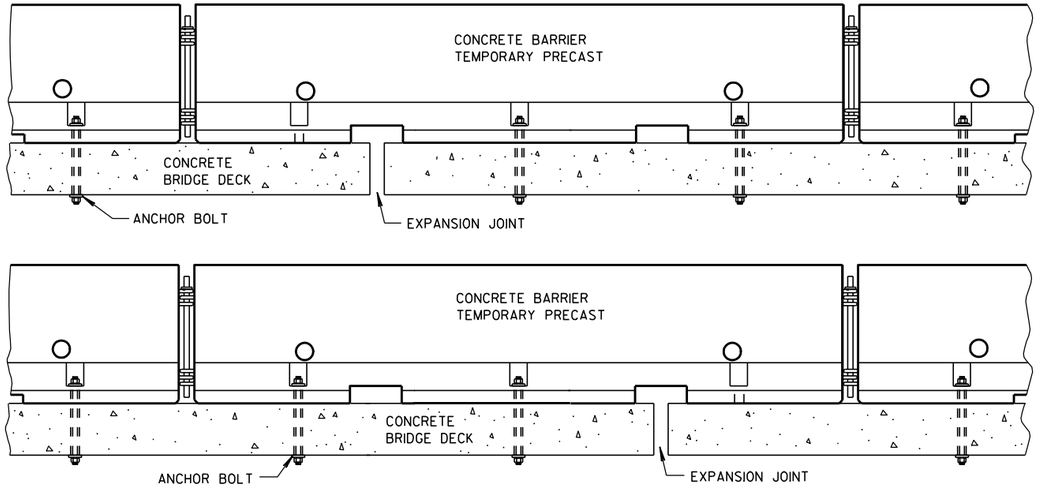
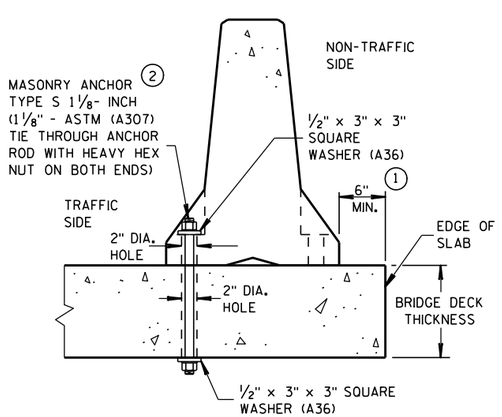
S.D.D. 14 B 7-13c



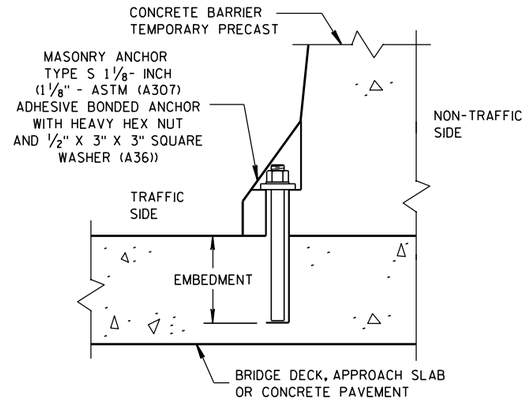
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)



THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



REMOVABLE ADHESIVE BONDED ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

2

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

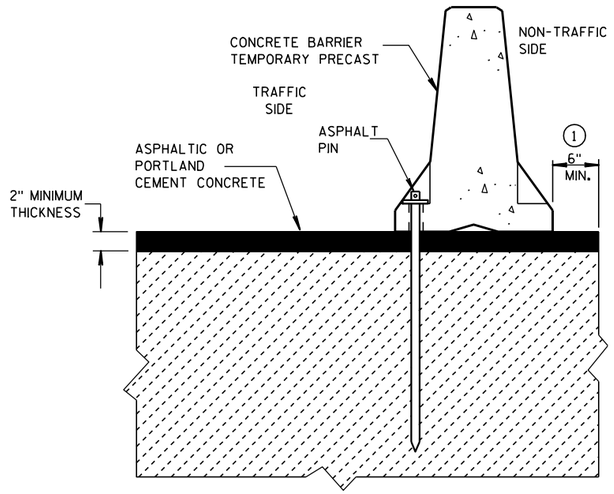
1. CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
   THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

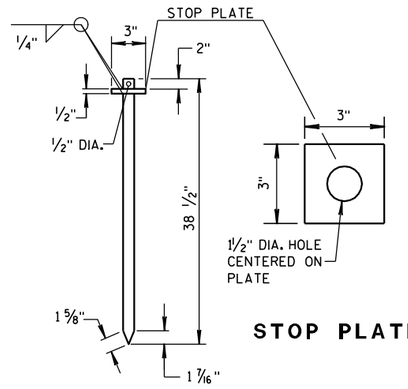
   THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT. IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

2. ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

   WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED (EPOXY) ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

   UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALLANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR EPOXY MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.





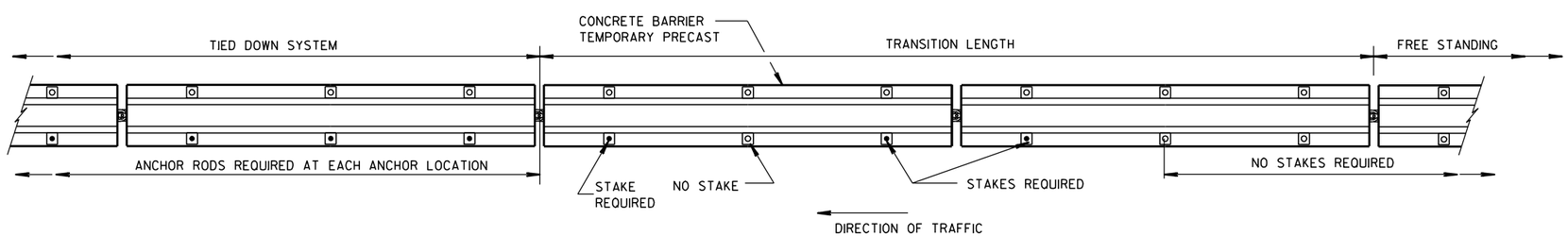
STOP PLATE

ASPHALT PIN

(ASTM A36 STEEL)

STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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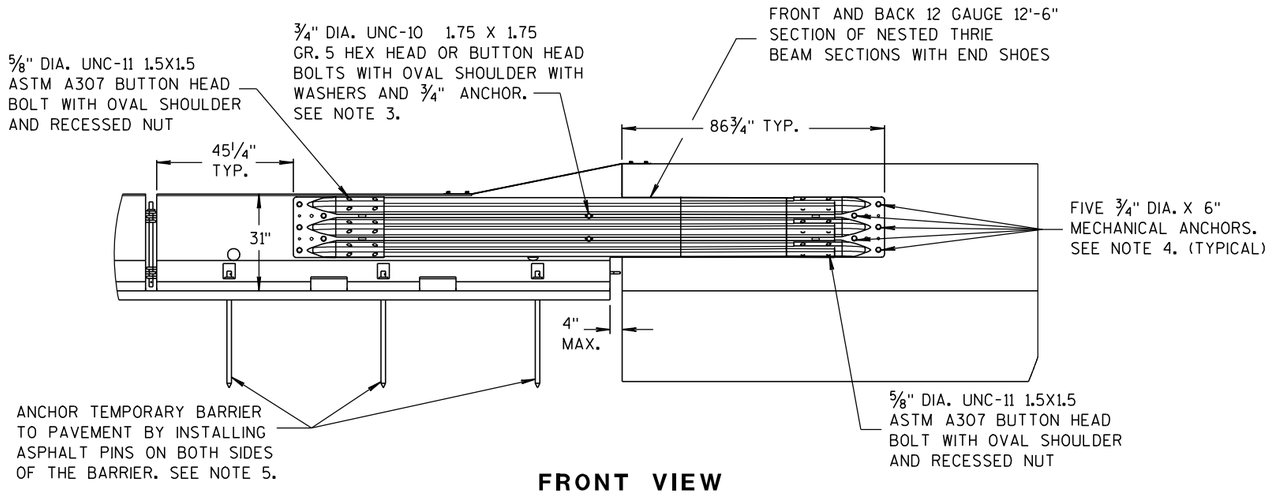
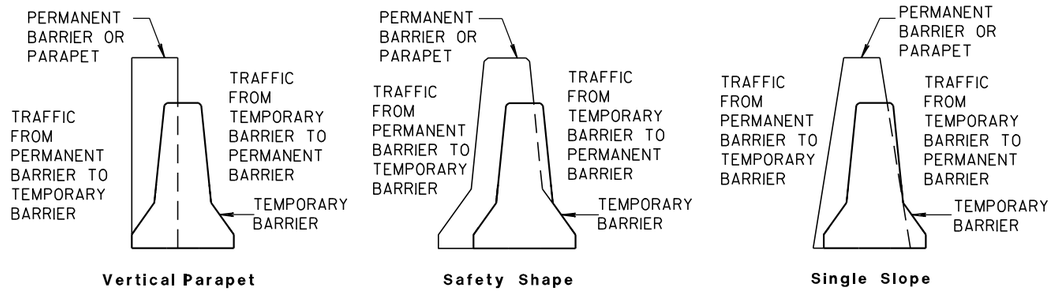


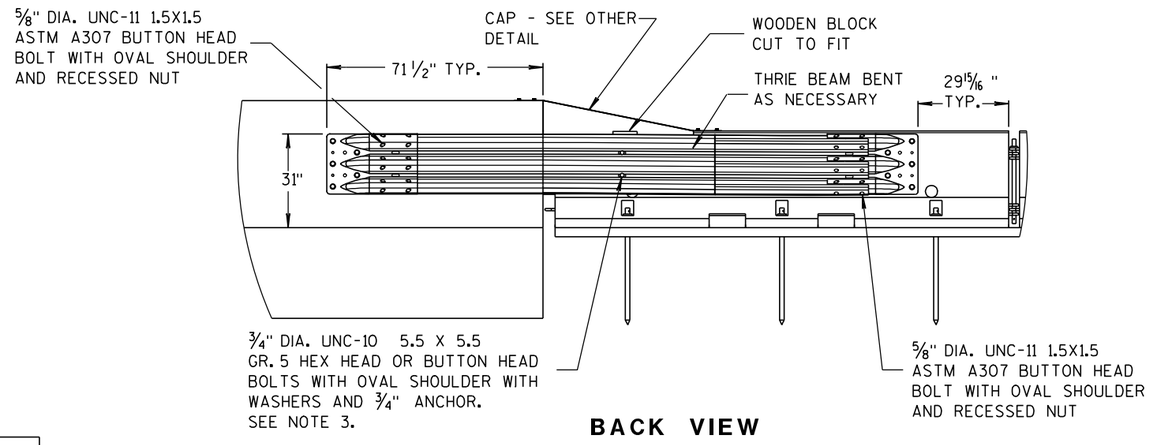
FRONT VIEW

NOTES

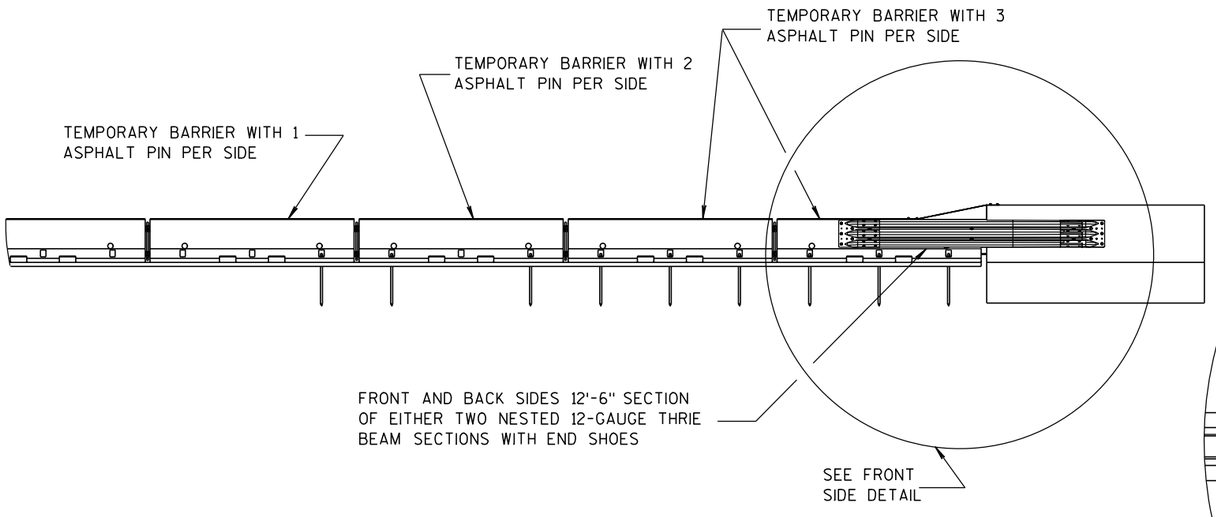
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR EPOXY ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR EPOXY ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR EPOXY ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



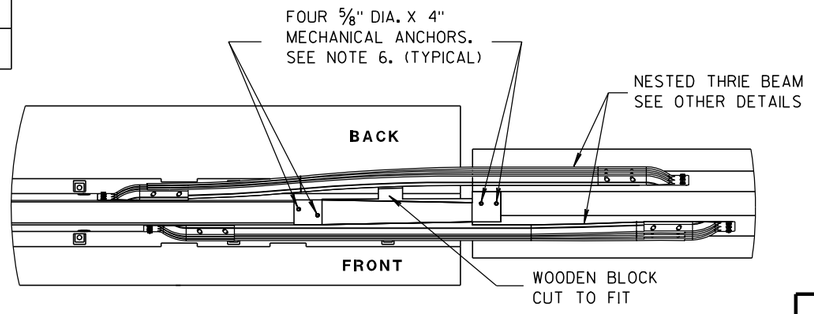
TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM



BACK VIEW



FRONT VIEW



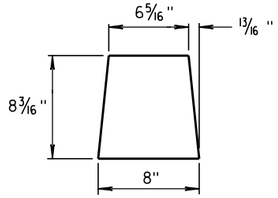
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

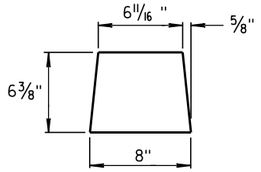
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

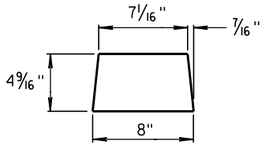
6
S.D.D. 14 B 7-13e



GUSSET 1



GUSSET 2



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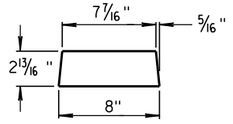
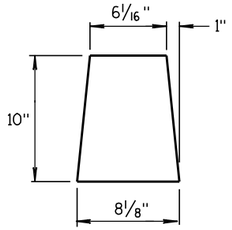
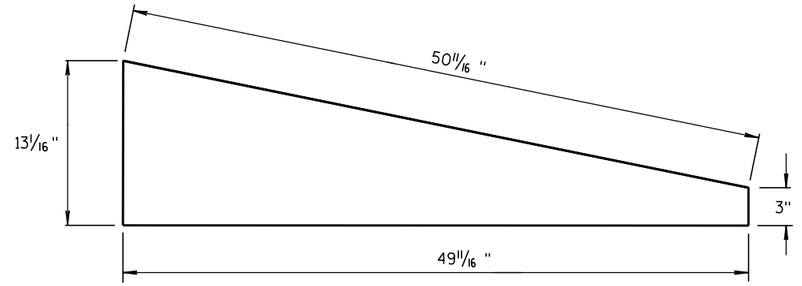


GUSSET 4

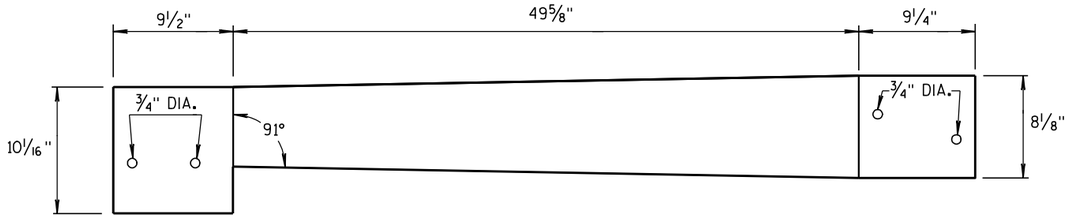
GUSSETS

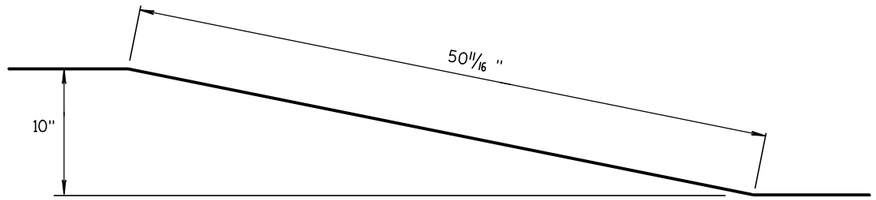


END PLATE

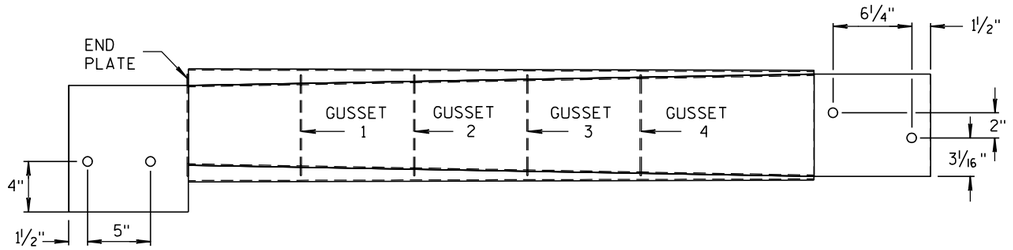


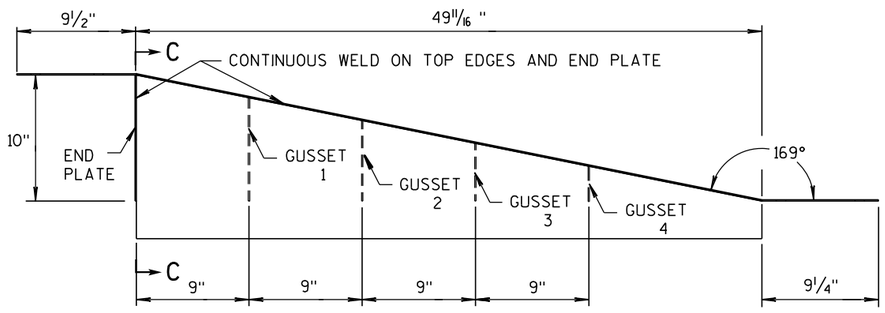
SIDE PLATE

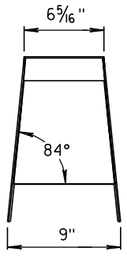




TOP PLATE







SECTION C-C

NOTES

1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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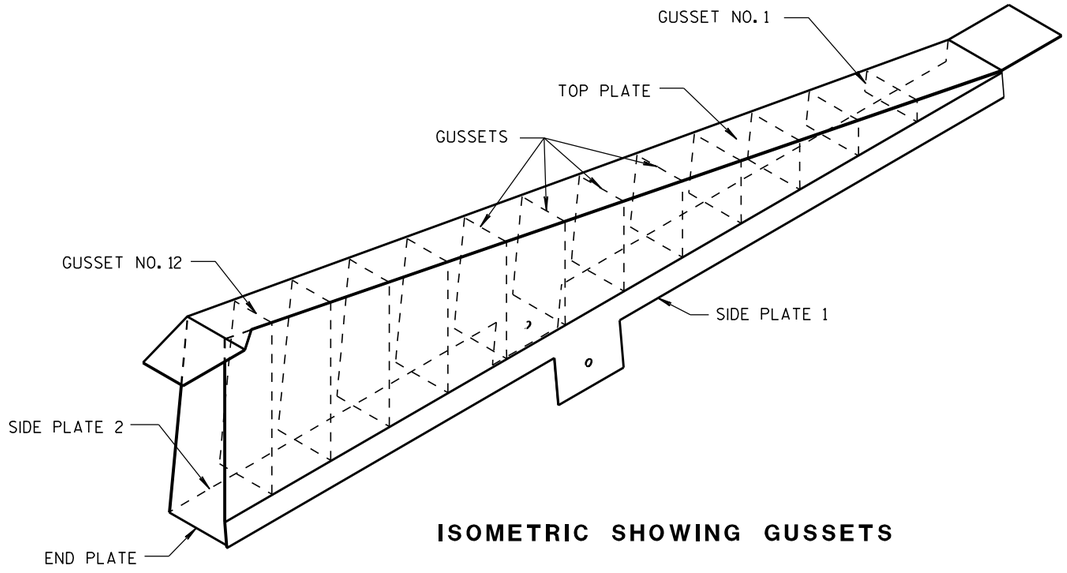
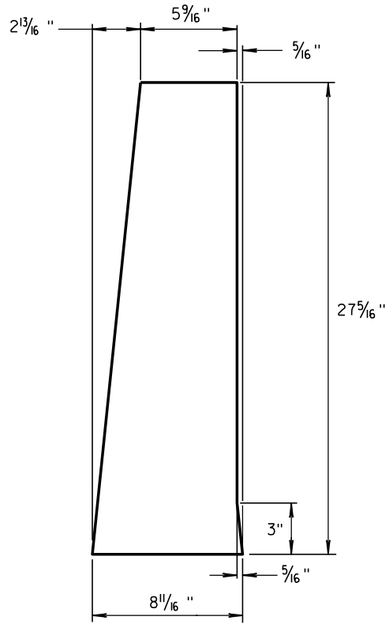
S.D.D. 14 B 7-13f

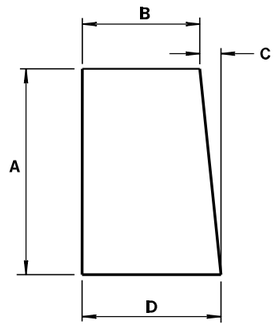


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



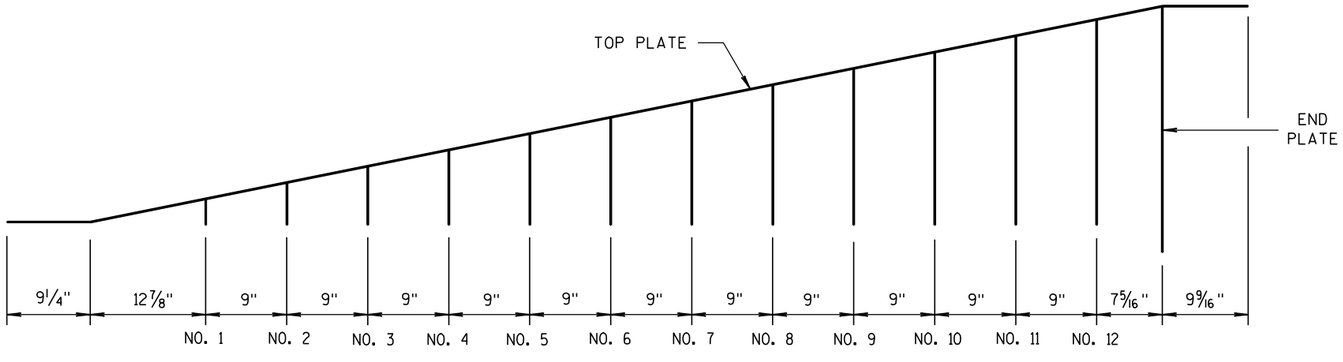
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

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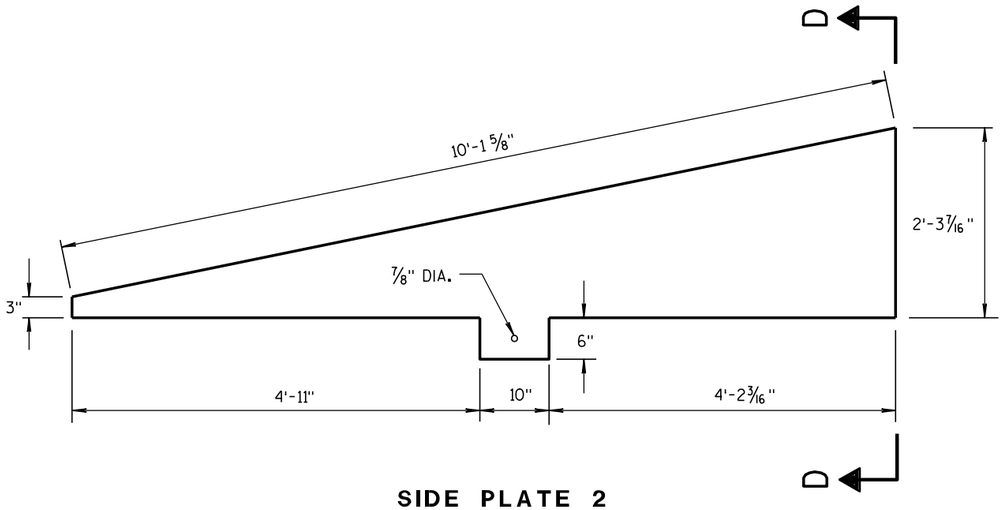
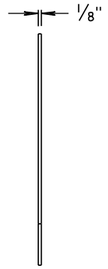
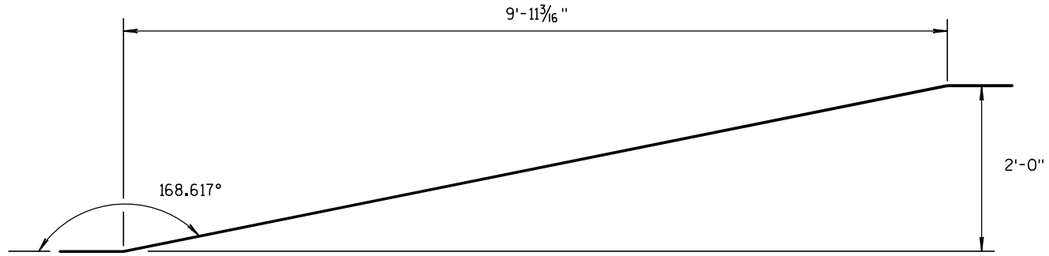
S.D.D. 14 B 7-13g



SIDE PLATE 2

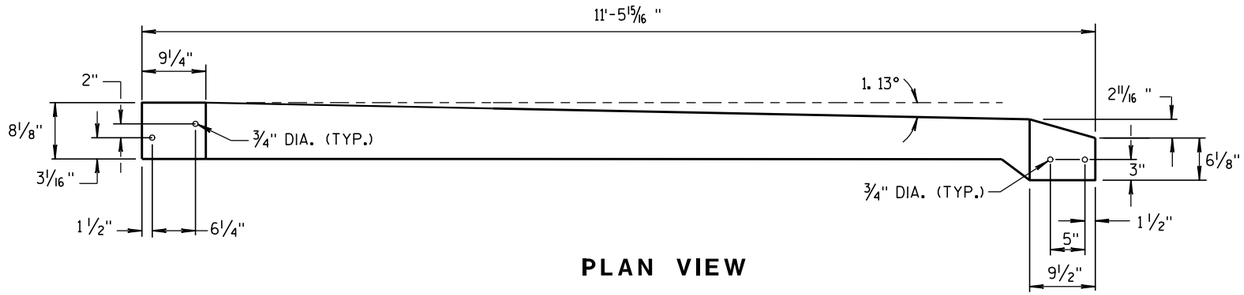


END VIEW



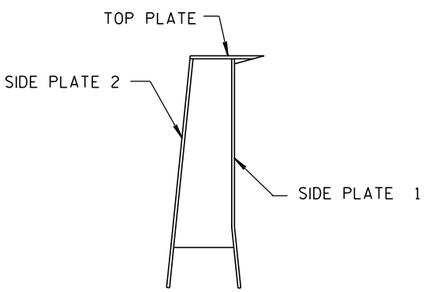
SIDE VIEW

TOP PLATE

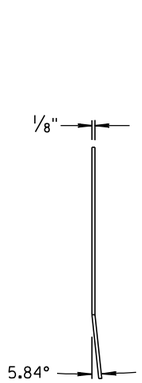


PLAN VIEW

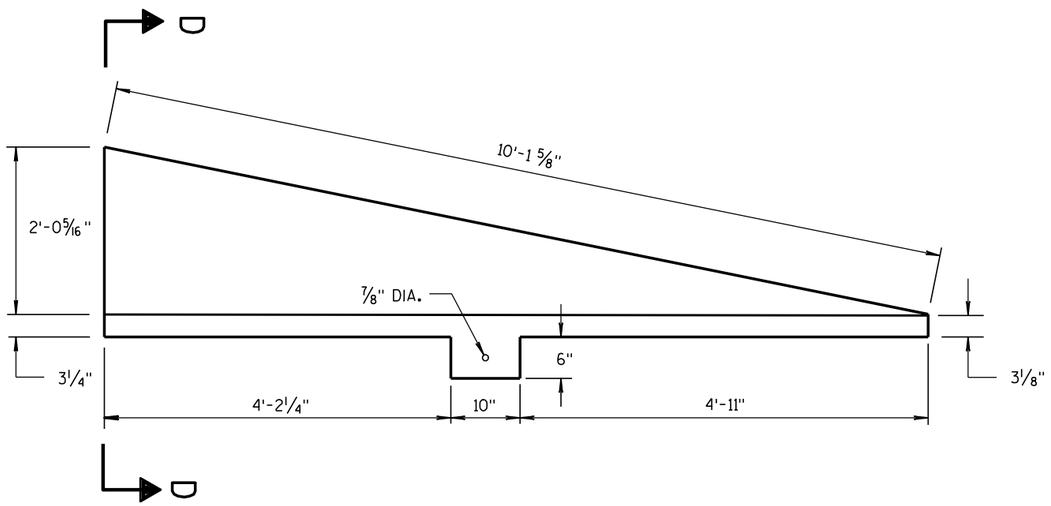
TOP PLATE



SECTION D-D



END VIEW



SIDE PLATE 1

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
8/31/2012 DATE	/S/ Jerry H. ---- ROADWAY STANDARDS ENGINEER
FHWA	366 ENT

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S.D.D. 14 B 7-13h

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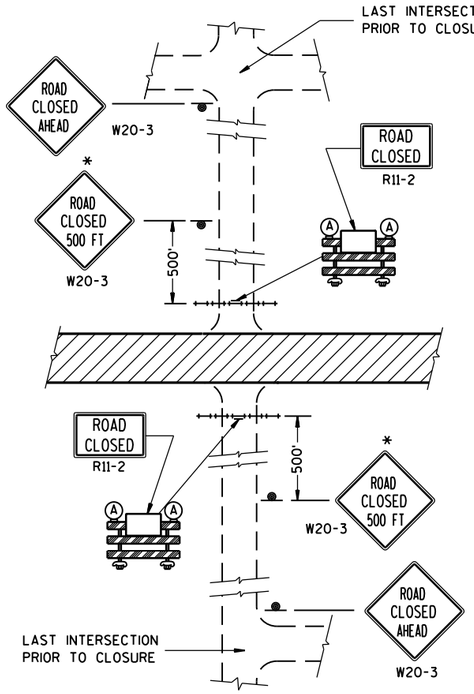
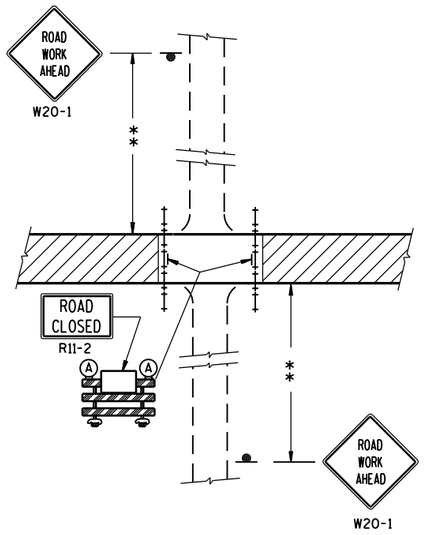
S.D.D. 14 B 7-13h



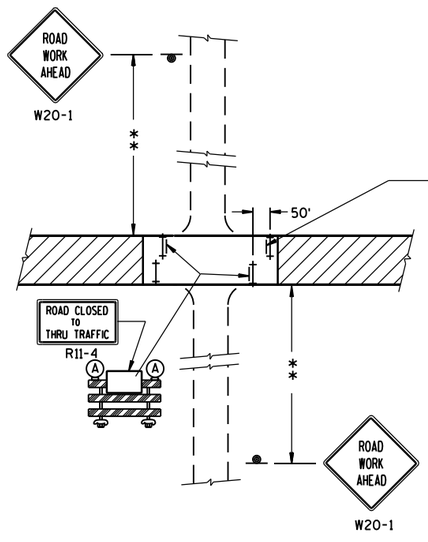
DETAIL 1

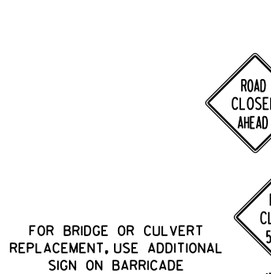
(NO ACCESS TO PROJECT)

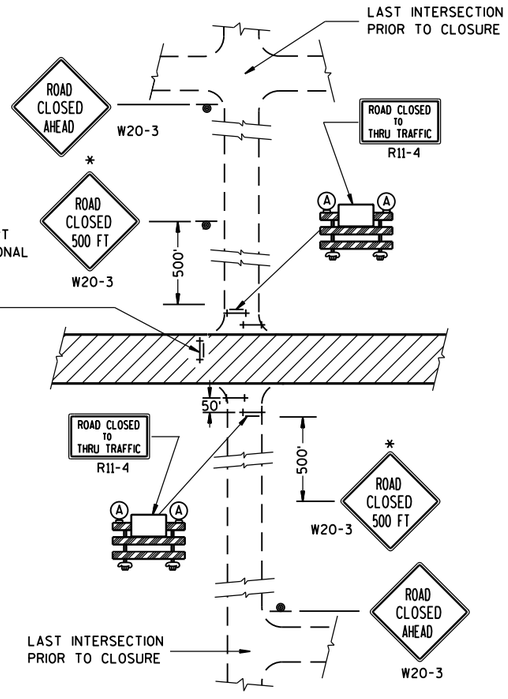


DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).







DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).

DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

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

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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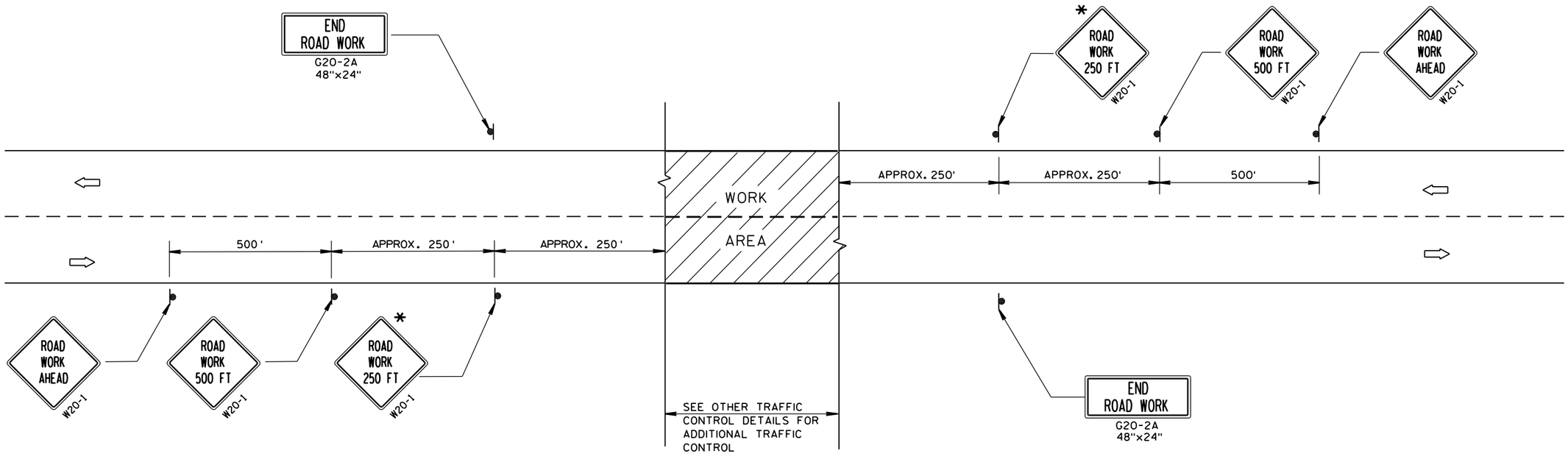
S.D.D. 15 C 3-2

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

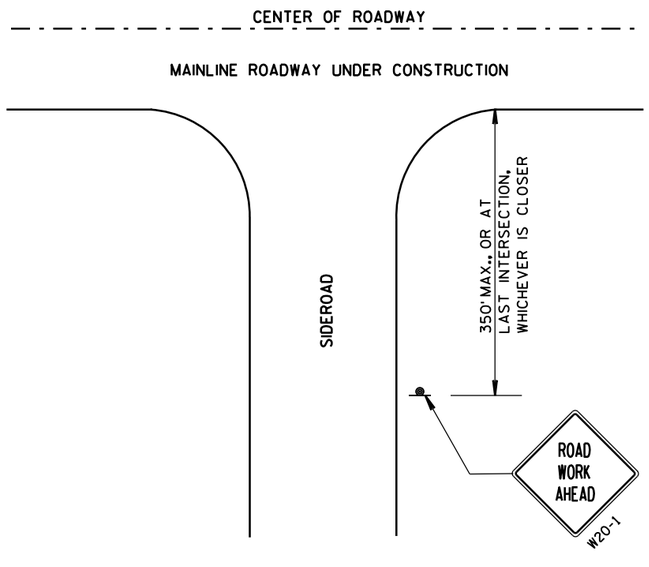
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

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

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

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

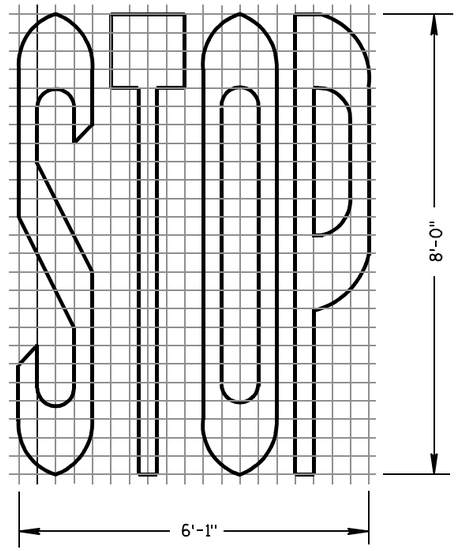
8/2013 DATE — /S/ Travis Feltes STATE TRAFFIC ENGINEER — SIGN

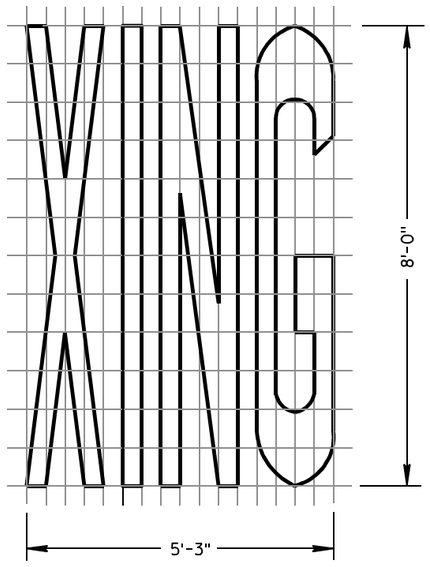
FHWA

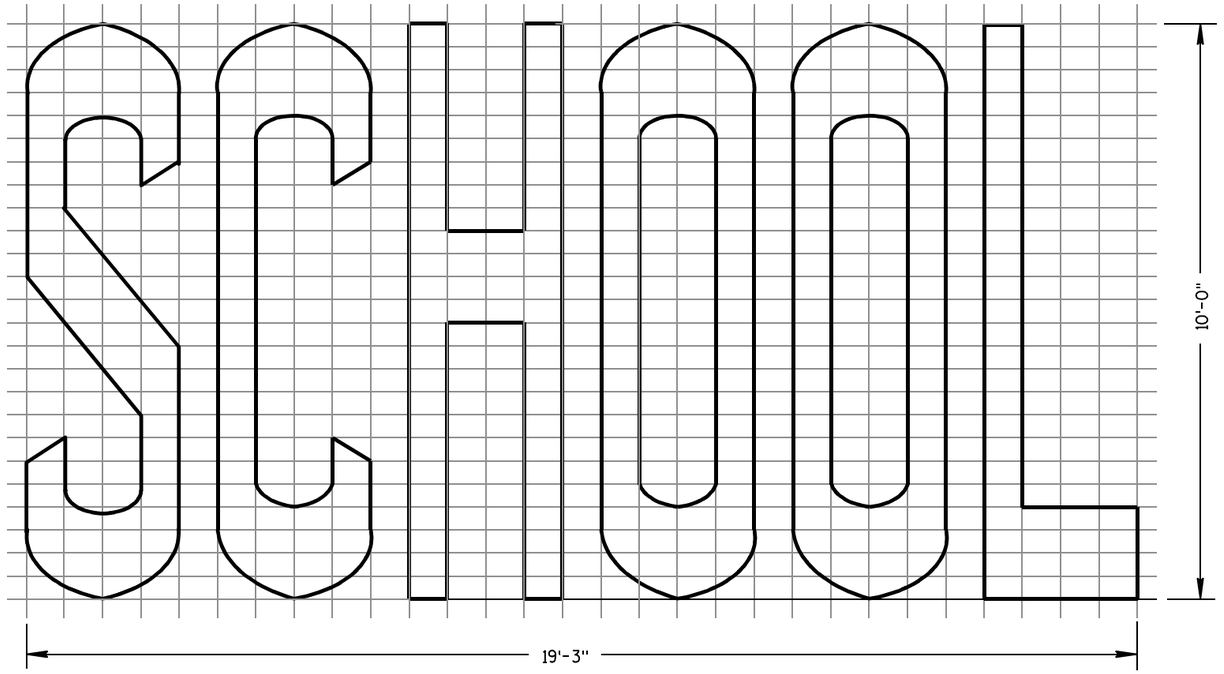
GENERAL NOTES

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

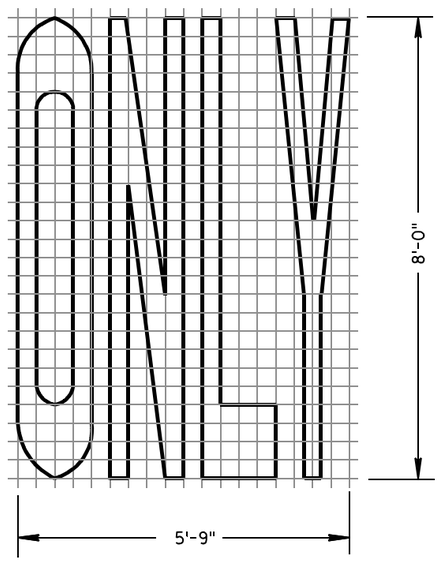
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

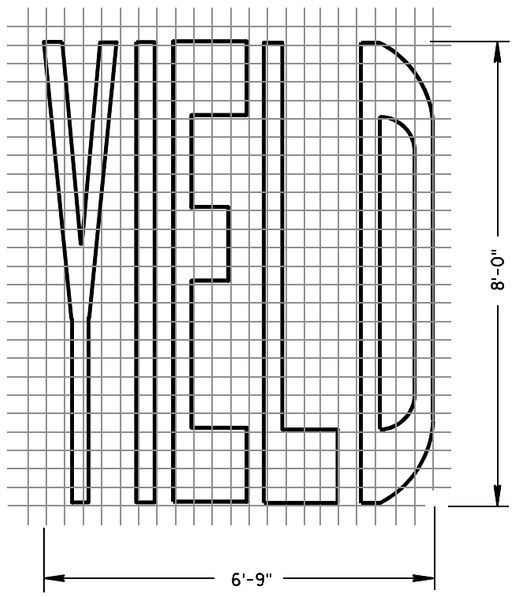


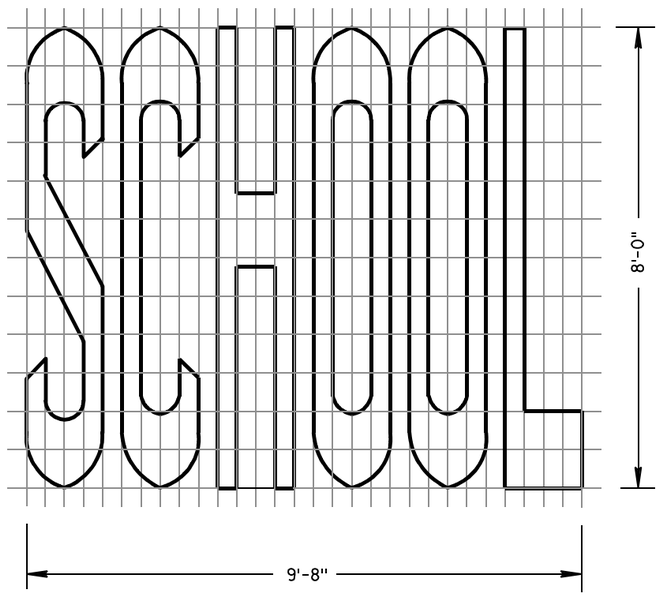




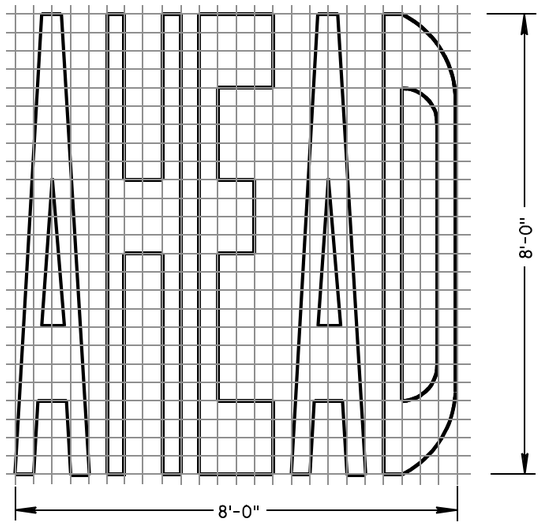
TWO-LANE







SINGLE-LANE



PAVEMENT MARKING WORDS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7-1-11 DATE	/S/ Thomas N. Nottbohm STATE TRAFFIC ENGINEER
FHWA	

6

S.D.D. 15 C 7-12b

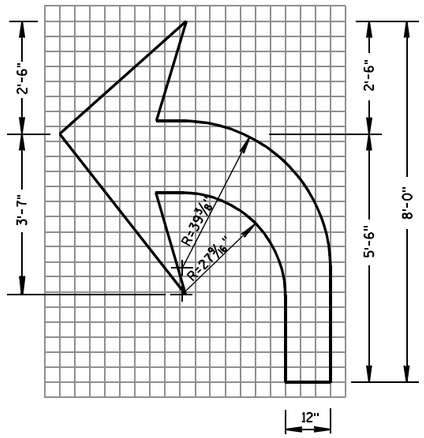
6

S.D.D. 15 C 7-12b

GENERAL NOTES

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

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



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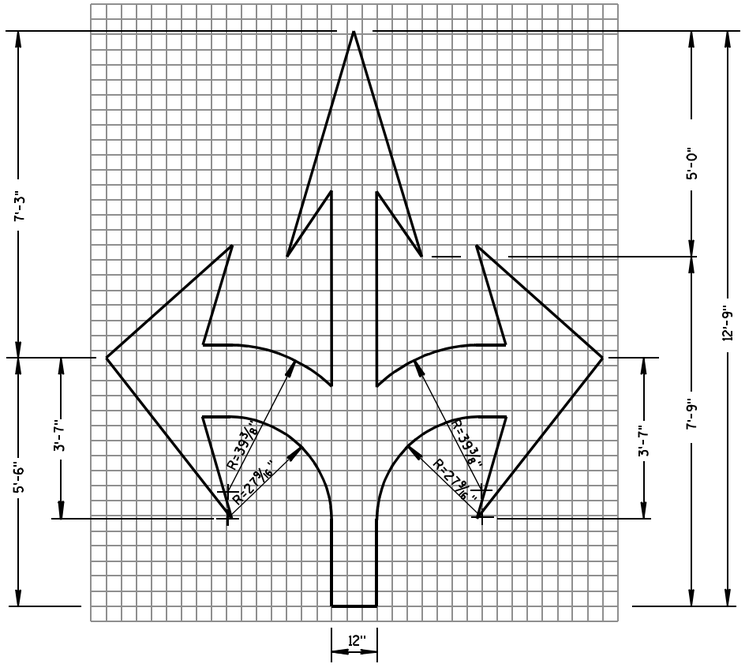

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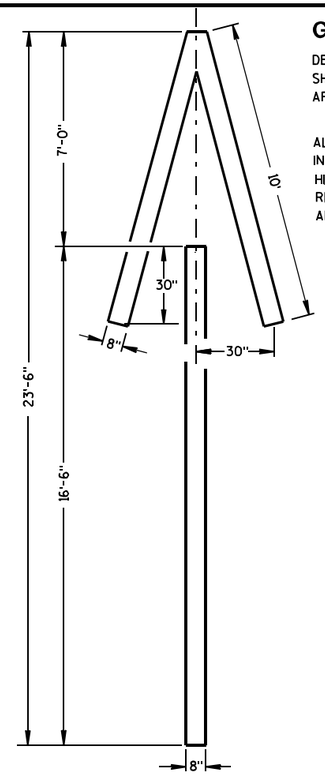

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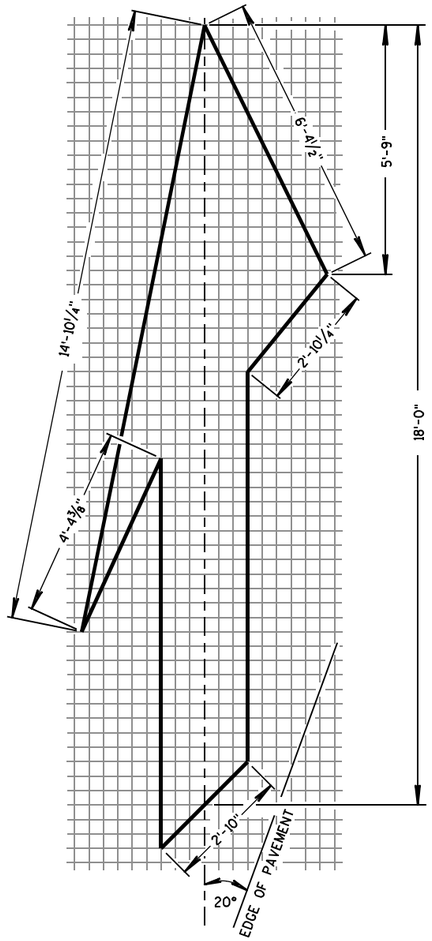
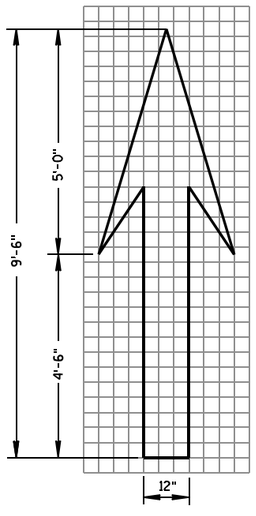
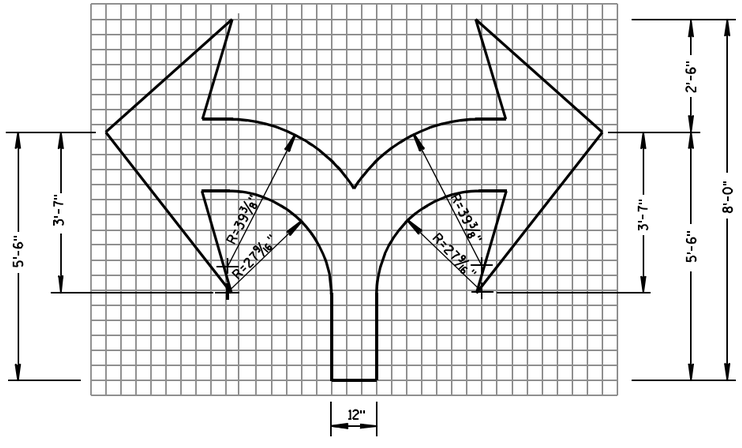


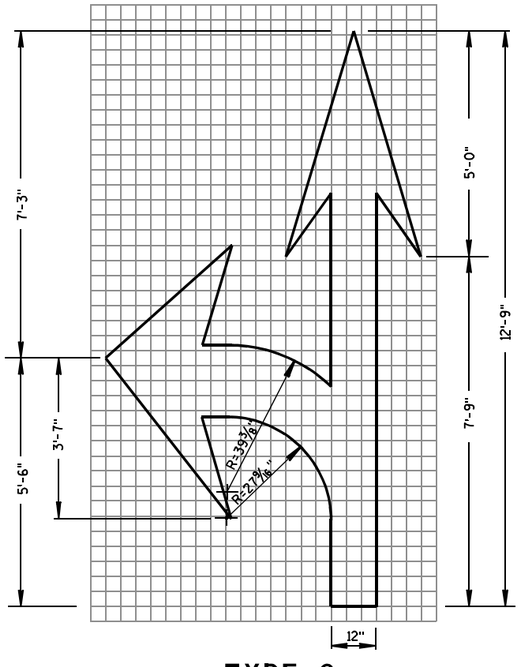
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothohm — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 7-12c

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

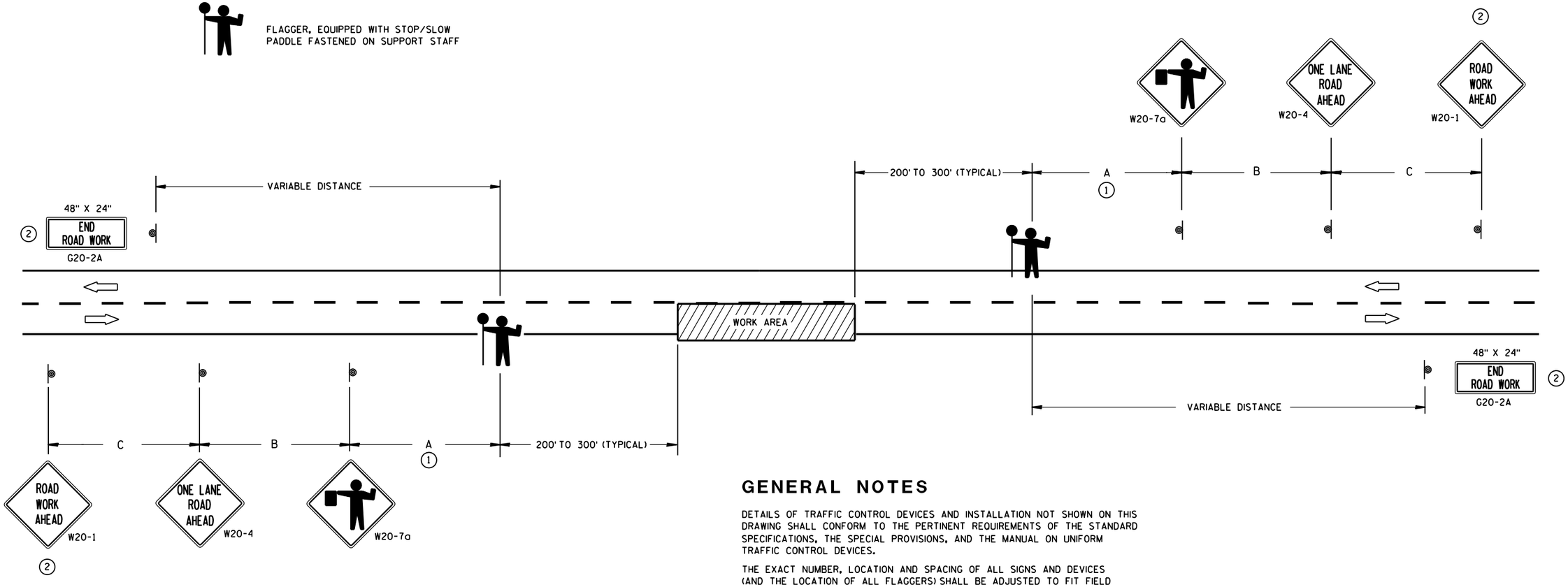
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

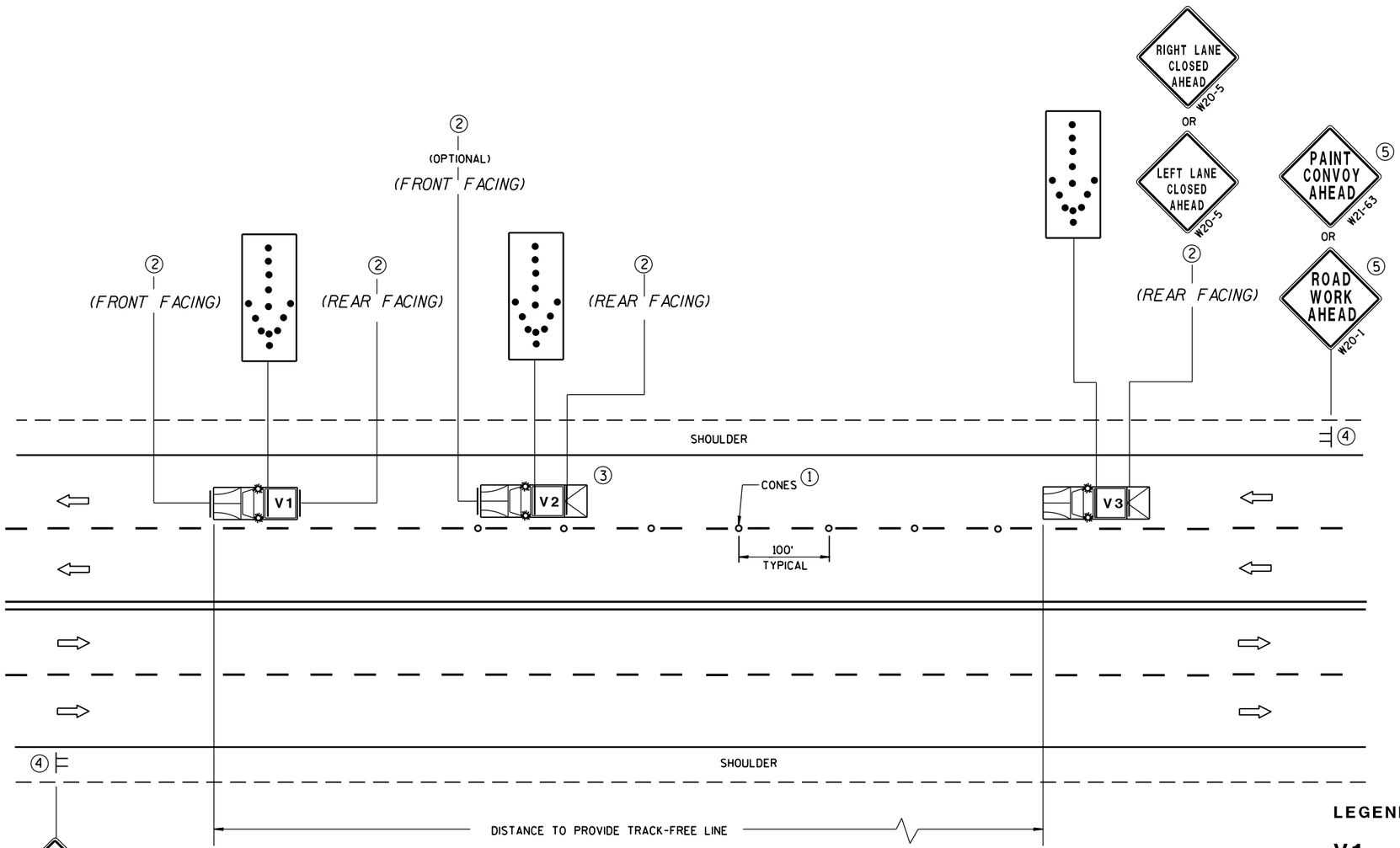
APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 12-4

6

S.D.D. 15 C 12-4



PAINT CONVOY AHEAD W21-63

OR

ROAD WORK AHEAD W20-1

MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE UNDIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE OR LANELINE MARKING FOR MULTILANE UNDIVIDED ROADWAYS.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013 DATE

/S/ Travis Feltes STATE TRAFFIC EN

FHWA

6

S.D.D. 15 C 19-2b

6

S.D.D. 15 C 19-2b

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

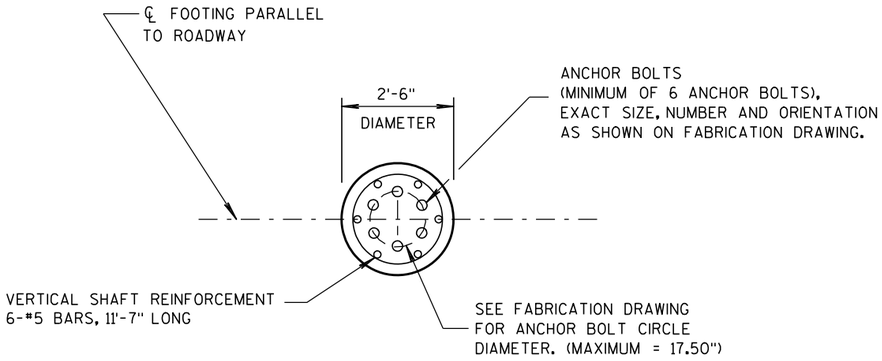
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

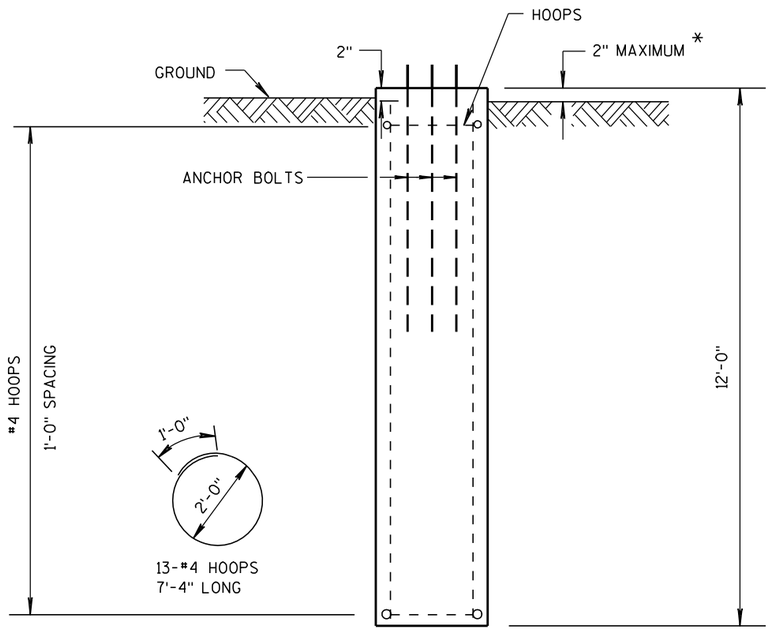
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR BOLTS	AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



ELEVATION VIEW

CONCRETE - 2.2 C.Y. PER FOOTING
H.S. REINFORCEMENT - 136 LBS. PER FOOTING

30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/17/2009 DATE
/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEER
373 SIGN
FHWA

6

S.D.D. 15 C 23-2

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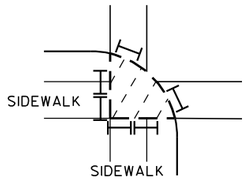
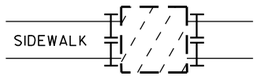
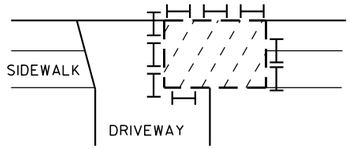
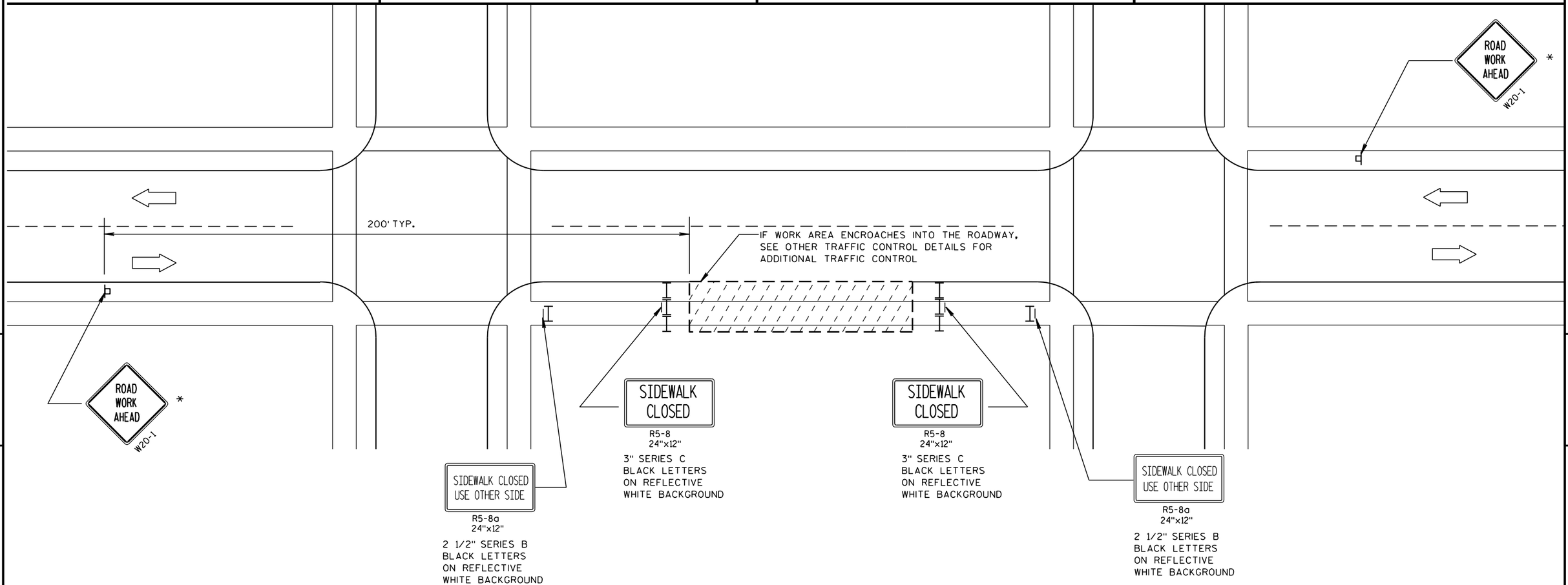
S.D.D. 15 C 23-2

WARNING OF LOCALIZED SIDEWALK WORK AREAS









LEGEND

- POST MOUNTED SIGN
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

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

* "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

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

TRAFFIC CONTROL, SIDEWALK CLOSURE

TRAFFIC CONTROL, SIDEWALK CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/2000 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER
FHWA

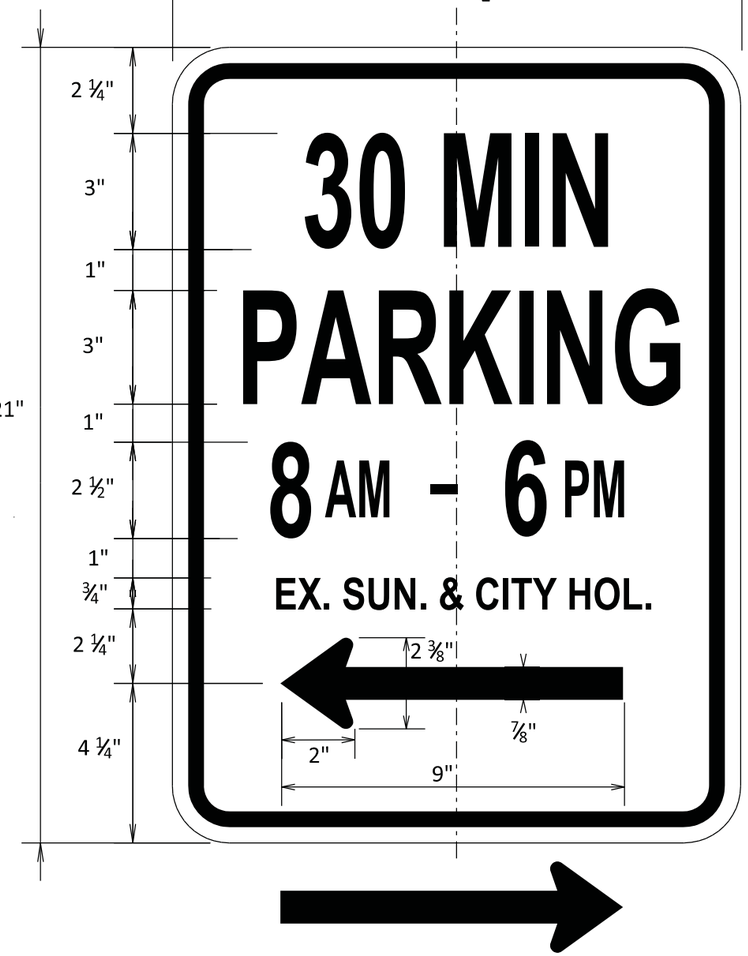
6

S.D.D. 15 D 30-1

6

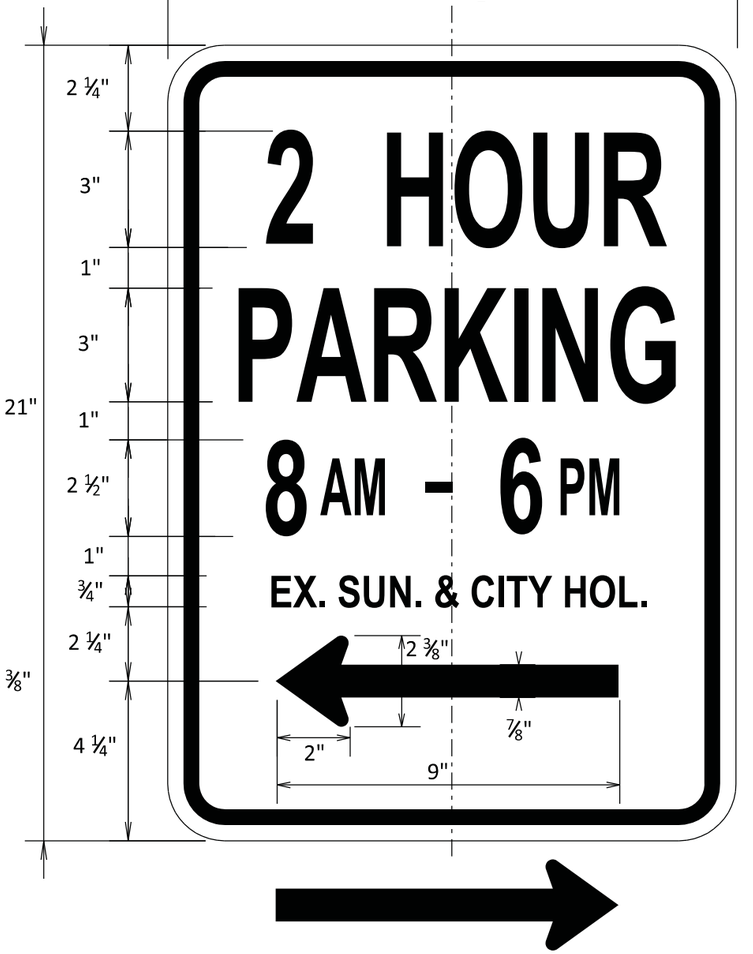
S.D.D. 15 D 30-1

R7-PR-3R (RIGHT ARROW)
R7-PR-3L (LEFT ARROW)



R7-PR-1dLR (DOUBLE ARROW)

R7-PR-1aR (RIGHT ARROW)
R7-PR-1aL (LEFT ARROW)
R7-PR-1aLR (DOUBLE ARROW)



SIGN CODE	SIGN NUMBERS
R7-PR-3R	1-252
R7-PR-3L	1-167, 1-251
R7-PR-1dLR	1-15, 1-20, 1-38, 1-41, 1-59, 1-76, 1-79, 1-81, 1-83, 1-86, 1-88, 1-89, 1-92, 1-101, 1-106, 1-108, 1-112, 1-114, 1-116, 1-118

NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: GREEN

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
R7-PR-1aR	1-165, 1-166
R7-PR-1aL	1-176
R7-PR-1aLR	1-133, 1-135, 1-137 1-147, 1-149, 1-168, 1-173

7

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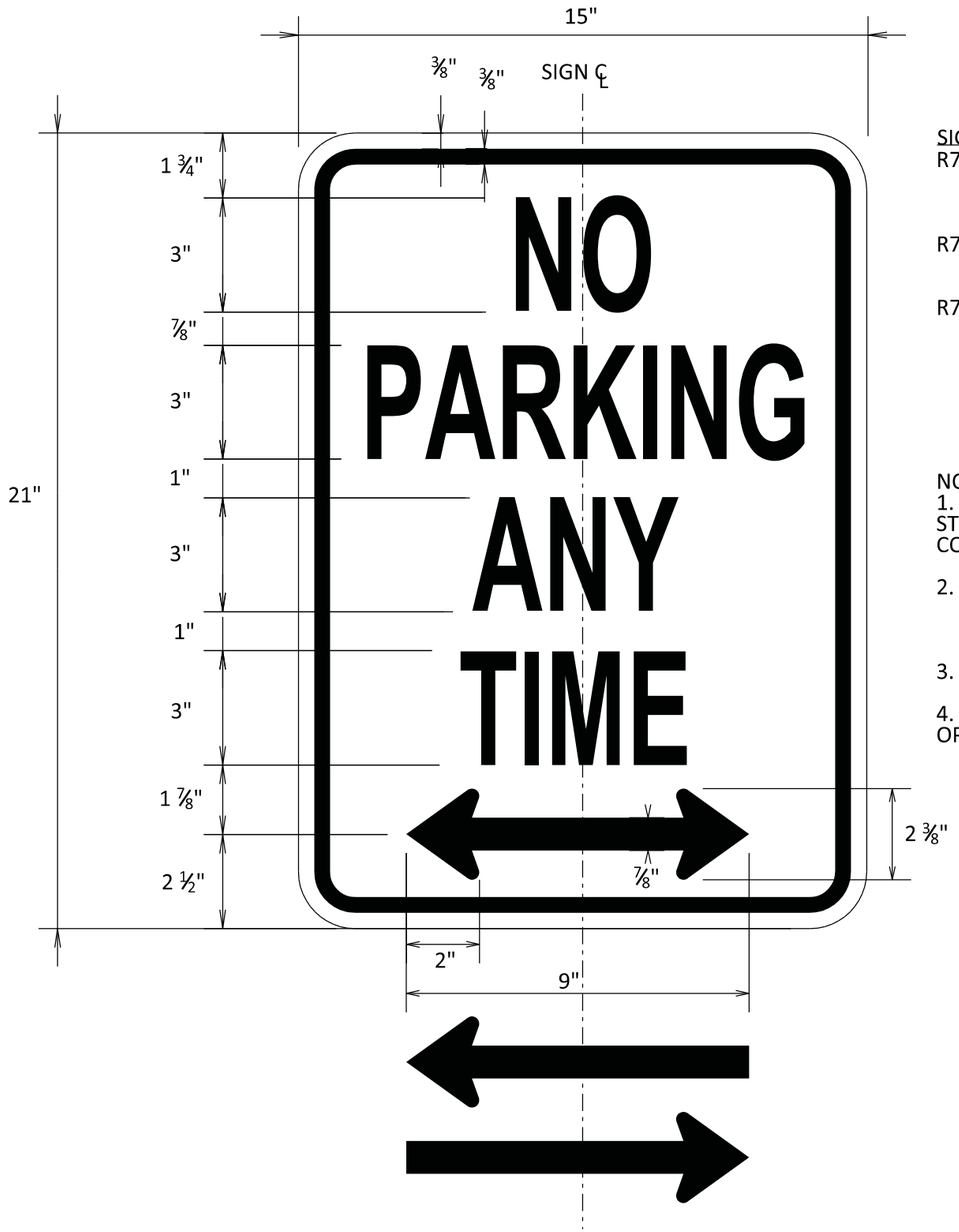


SIGN CODE	SIGN NUMBERS
R7-NP-1R (RIGHT ARROW)	1-23, 1-44, 1-63, 1-93, 1-120, 1-152, 1-181,1-206, 1-232, 1-263
R7-NP-1L (LEFT ARROW)	1-34, 1-54, 1-74, 1-130, 1-131, 1-190, 1-208, 1-219, 1-241
R7-NP-1LR (DOUBLE ARROW)	1-192, 1-217

NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO achieve PROPER BALANCE.

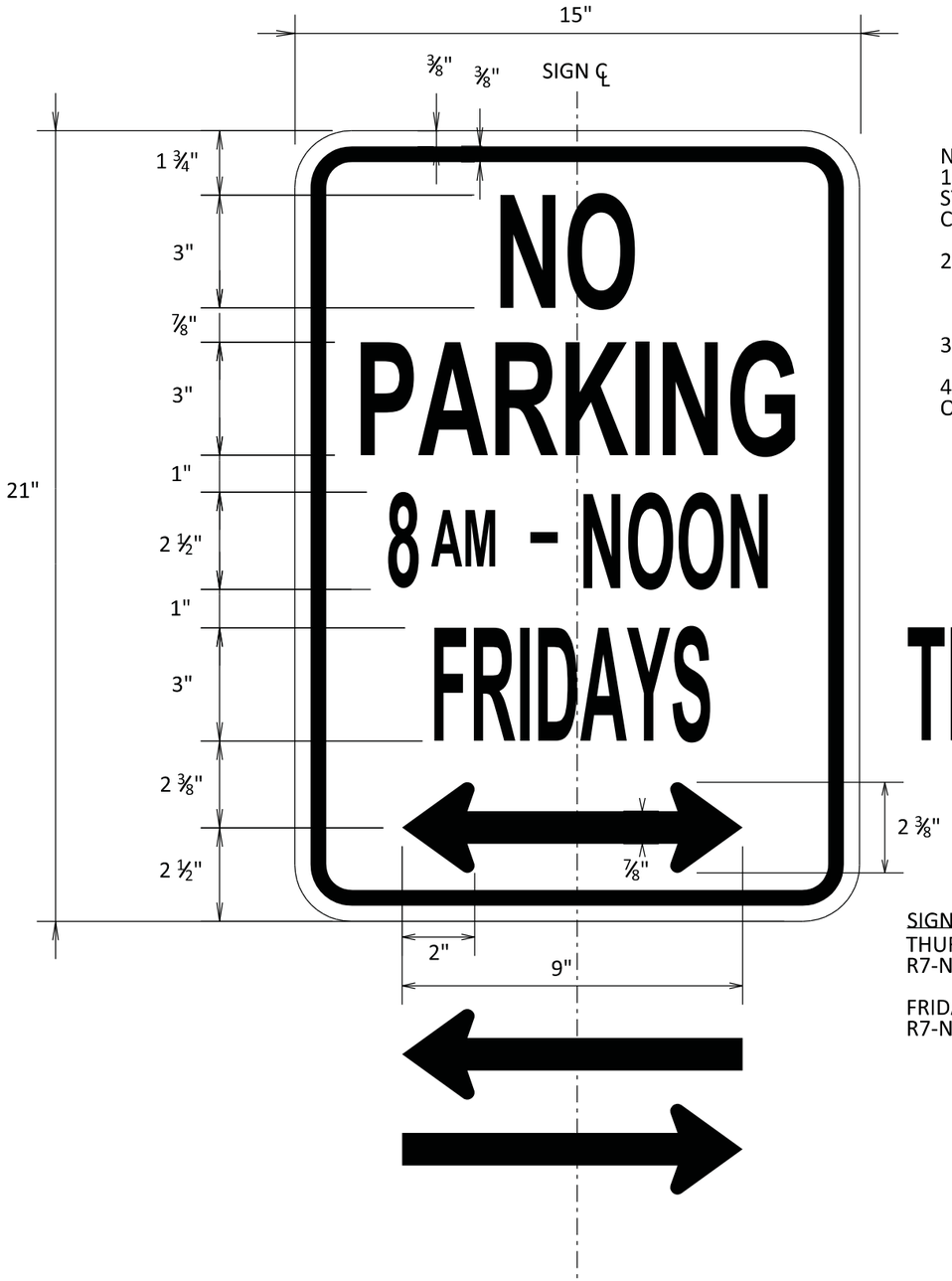
7

7

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	SIGN DETAILS	SHEET 376	E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44



NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
THURSDAYS: R7-NP-21bLR (DOUBLE ARROW)	THURSDAYS: 1-16, 1-19, 1-39, 1-40, 1-60
FRIDAYS: R7-NP-20dLR (DOUBLE ARROW)	FRIDAYS: 1-21, 1-36, 1-43

7

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NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
THURSDAYS: R7-NP-20fLR (DOUBLE ARROW)	THURSDAYS: 1-78, 1-82, 1-87, 1-90, 1-102 1-107, 1-113, 1-117, 1-134, 1-138 1-148, 1-164, 1-171, 1-175, 1-178 1-191, 1-194, 1-204, 1-207, 1-224 1-226, 1-230, 1-244, 1-246, 1-250
FRIDAYS: R7-NP-20eLR (DOUBLE ARROW)	FRIDAYS: 1-75, 1-80, 1-85, 1-91, 1-105 1-111, 1-115, 1-132, 1-136, 1-146 1-169, 1-174, 1-177, 1-180, 1-193 1-195, 1-205, 1-218, 1-222, 1-228 1-229, 1-231

NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
   BACKGROUND: WHITE
   MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

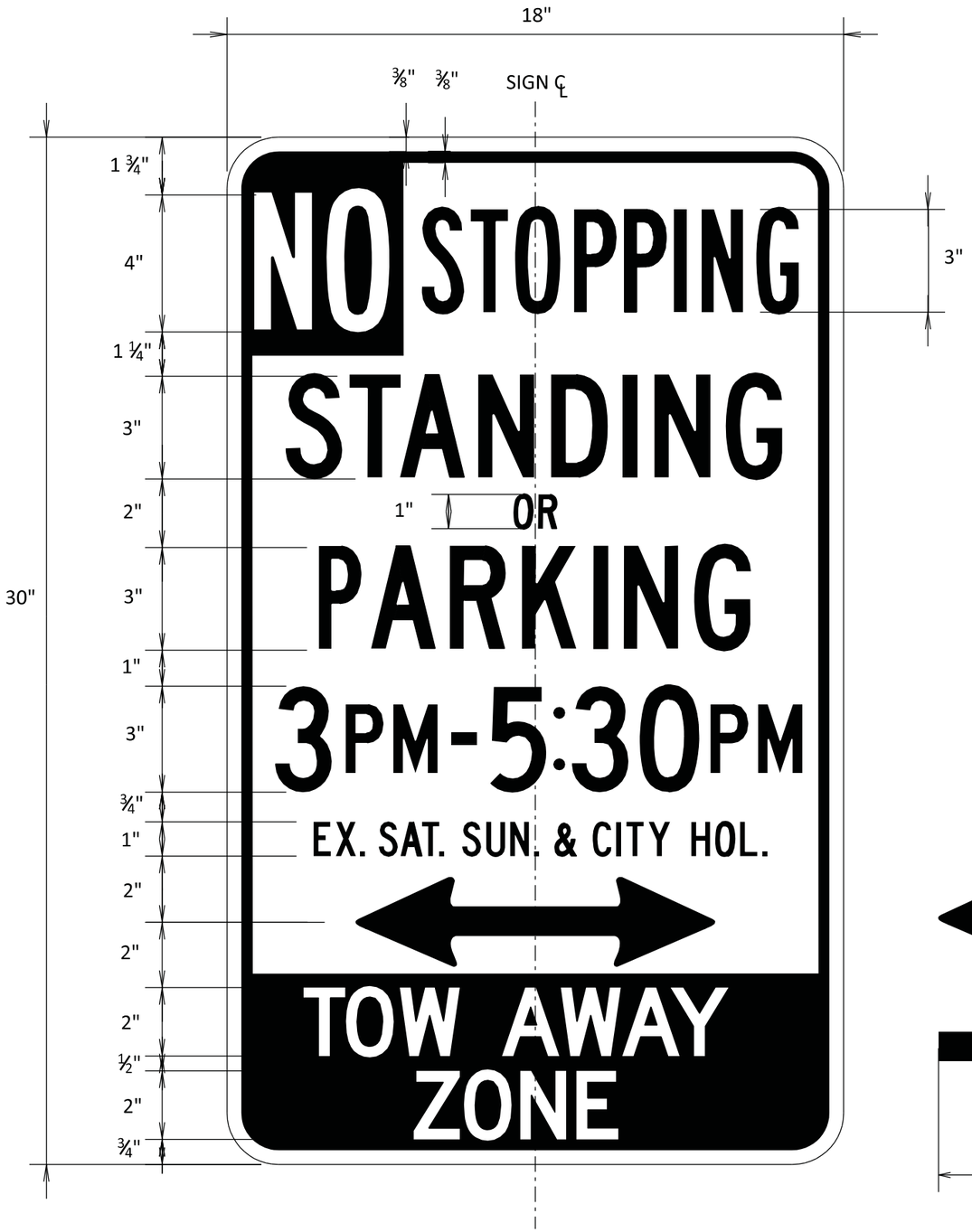
4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
R8-NS-1TZLR (DOUBLE ARROW)	1-17, 1-53, 1-58, 1-64, 1-254
R8-NS-1TZL (LEFT ARROW)	1-253
R8-NS-1TZR (RIGHT ARROW)	1-18

7

7

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	SIGN DETAILS	SHEET 379	E



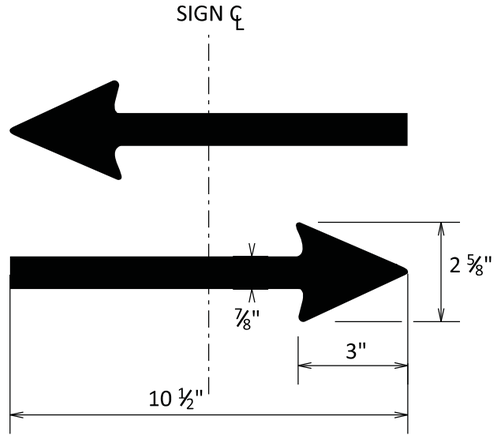
NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
   BACKGROUND: WHITE
   MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
R8-NS-3TZLR (DOUBLE ARROW)	1-22, 1-37, 1-42



7

7

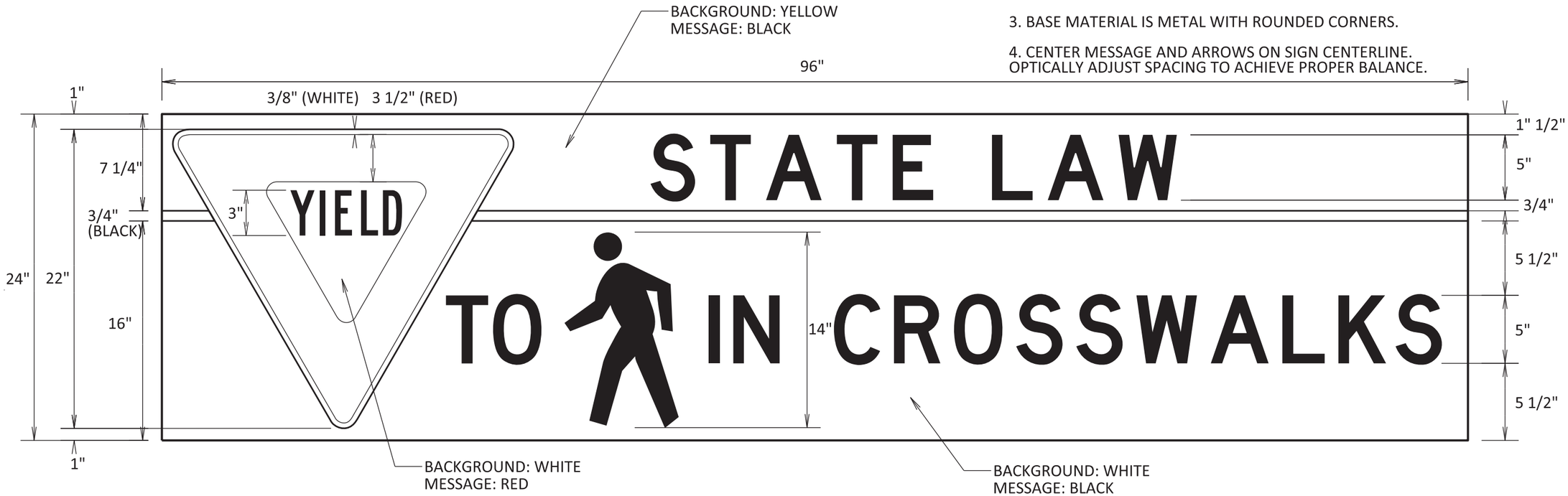
PROJECT NO5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	SIGN DETAILS	SHEET 380	E

NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.



SIGN CODE
R1-9-MOD

SIGN NUMBERS
1-26, 1-47, 1-125
1-215, 1-256, 1-260

7

7

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	PERMANENT SIGNING	SHEET 381	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

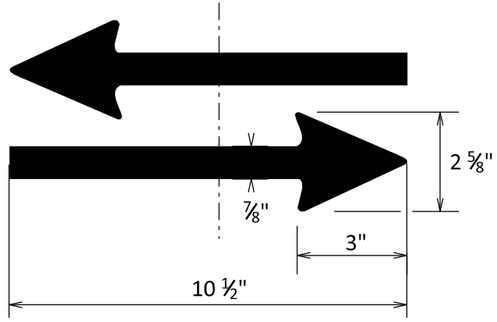
NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
R7-NS-1LR (DOUBLE ARROW)	1-02, 1-103, 1-142, 1-143, 1-162
R7-NS-1L (LEFT ARROW)	1-104, 1-141, 1-144, 1-163
R7-NS-1R (RIGHT ARROW)	1-140, 1-145



R8-NS-1LR (DOUBLE ARROW)
R8-NS-1L (LEFT ARROW)
R8-NS-1R (RIGHT ARROW)

7

7

NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: GREEN
MESSAGE: WHITE

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

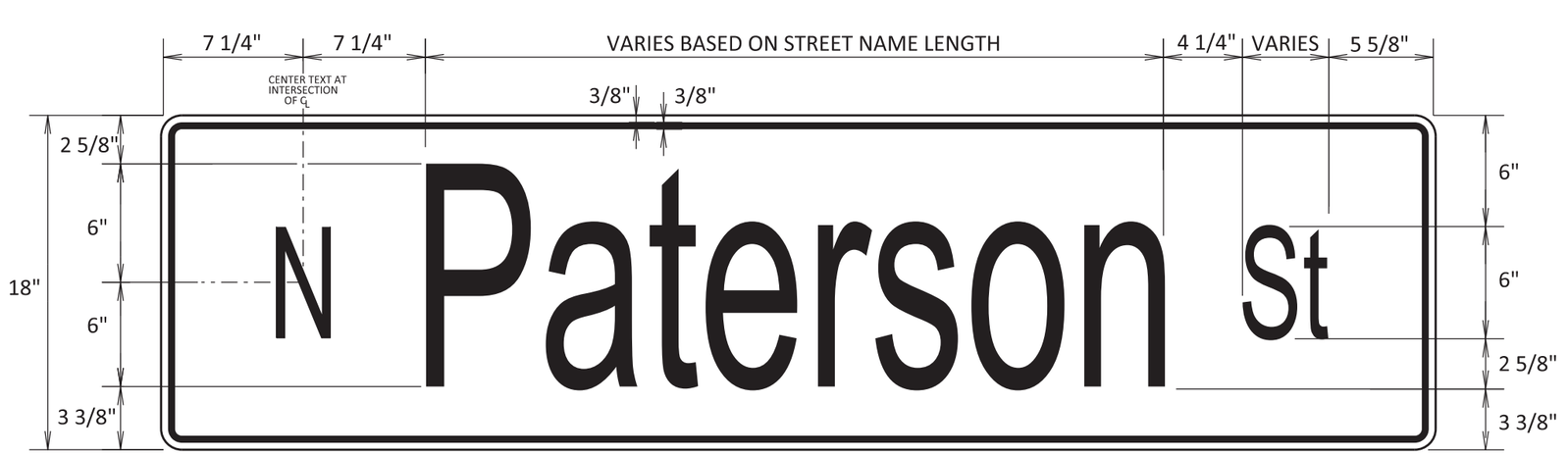
5. LETTERING FONT IS "HWY GOTHIC C" ("HWY GOTHIC B" FOR LONGER STREET NAMES).

6. SEE SIGN PLAN SHEETS FOR STREET NAME SIGN LOCATIONS.

7. CONTRACTOR WILL SUBMIT SHOP DRAWINGS TO CITY OF MADISON TRAFFIC ENGINEERING DIVISION FOR REVIEW PRIOR TO FABRICATION OF SIGNS.

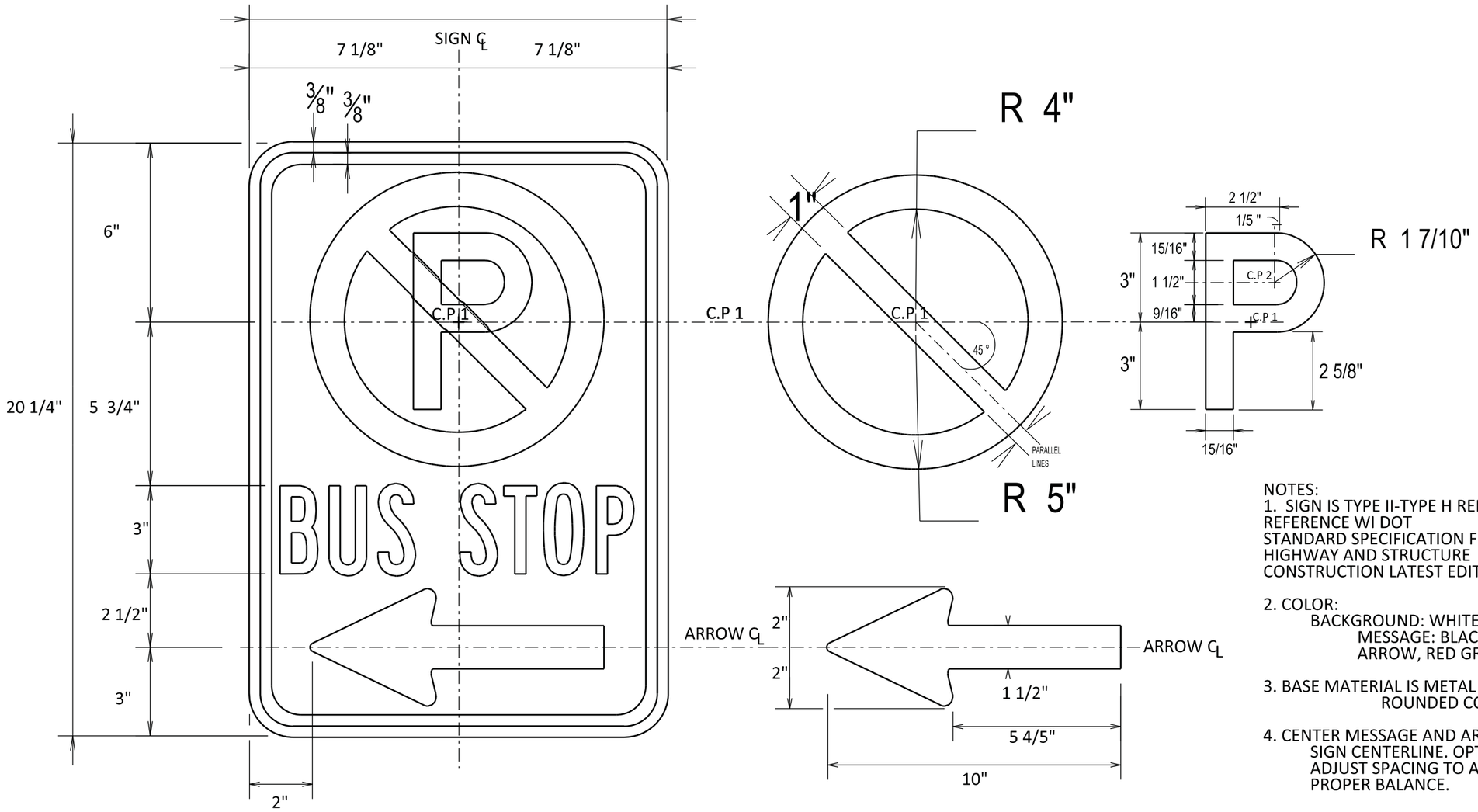
D3-1(MOD) SIGNS ARE REQUIRED AT THE FOLLOWING E JOHNSON STREET INTERSECTIONS:

STREET NAME	SIGN NUMBER	SIGN LENGTH EST.
N BLAIR ST	1-69	4'-1"
N BLOUNT ST	1-97	4'-9"
E JOHNSON ST	1-159	5'-7"
N PATERSON ST	1-160	5'-9"
N INGERSOLL ST	1-214	5'-7"
N BALDWIN ST	1-255	5'-4"
N BALDWIN ST	1-257	5'-4"



D3-1 (MOD)
(DETAIL FOR OVERHEAD STREET NAME SIGNS)

ABREVIATION	LENGTH
ST	4 5/8"



NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
   BACKGROUND: WHITE
   MESSAGE: BLACK TEXT & ARROW, RED GRAPHICS

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

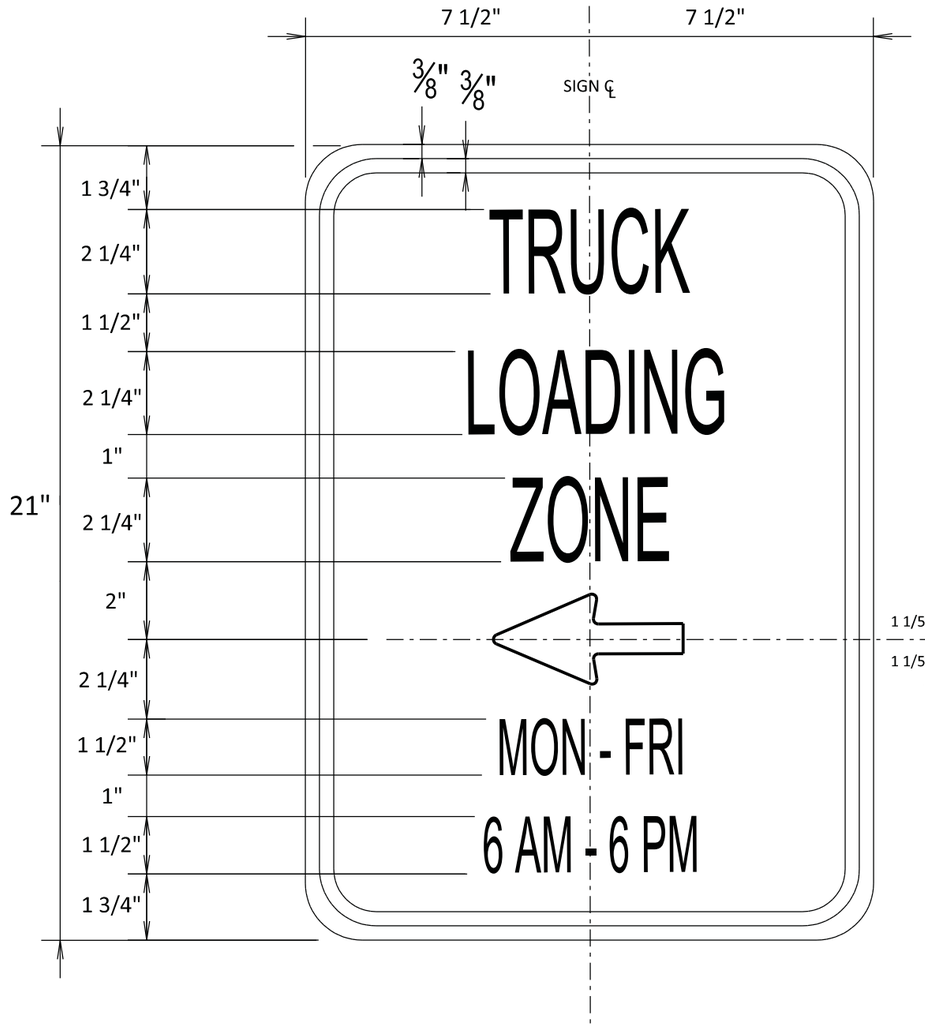
SIGN CODE
R7-NP-22aL (LEFT ARROW)

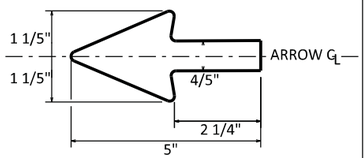
SIGN NUMBERS
1-77, 1-100, 1-119,
1-161, 1-179, 1-216, 1-233

7

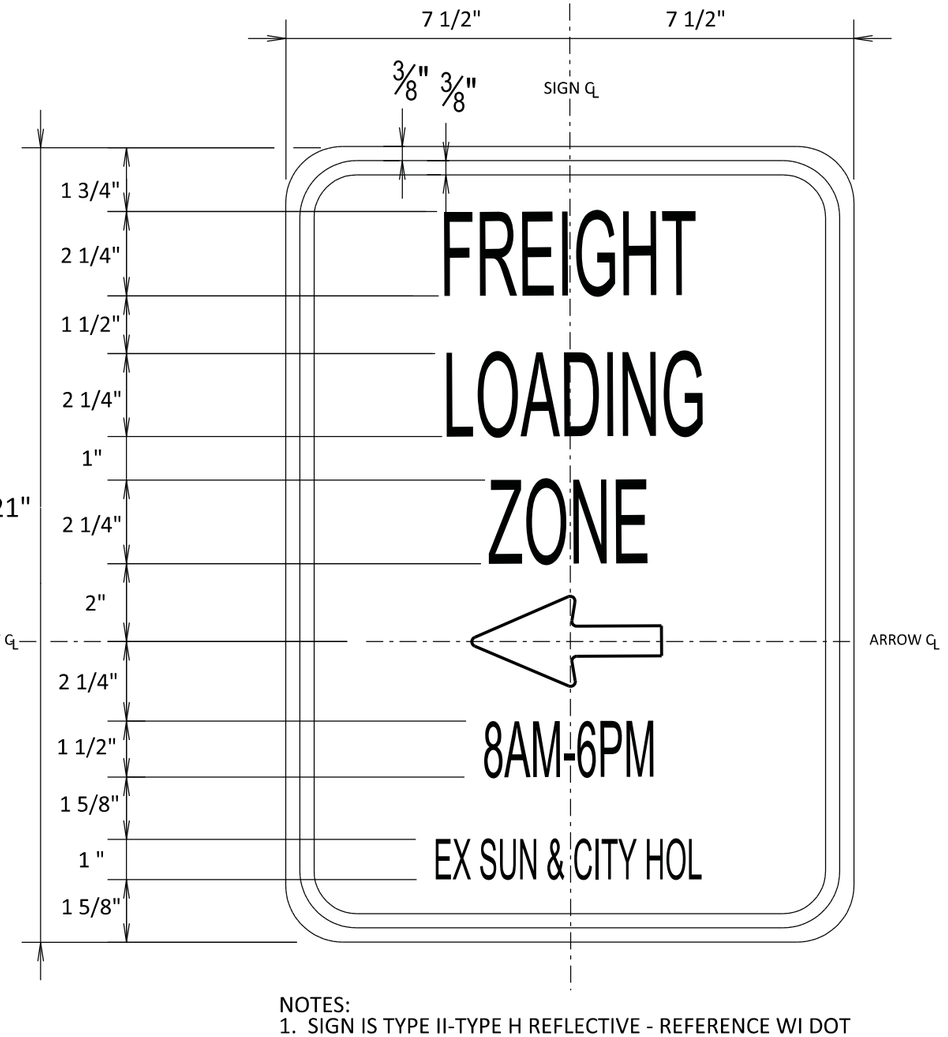
7

R7-TLZ-1aL





R7-LZ-1aL



SIGN CODE	SIGN NUMBERS
R7-TLZ-1aL (LEFT ARROW)	1-14
R7-LZ-1aL (LEFT ARROW)	1-139, 1-153

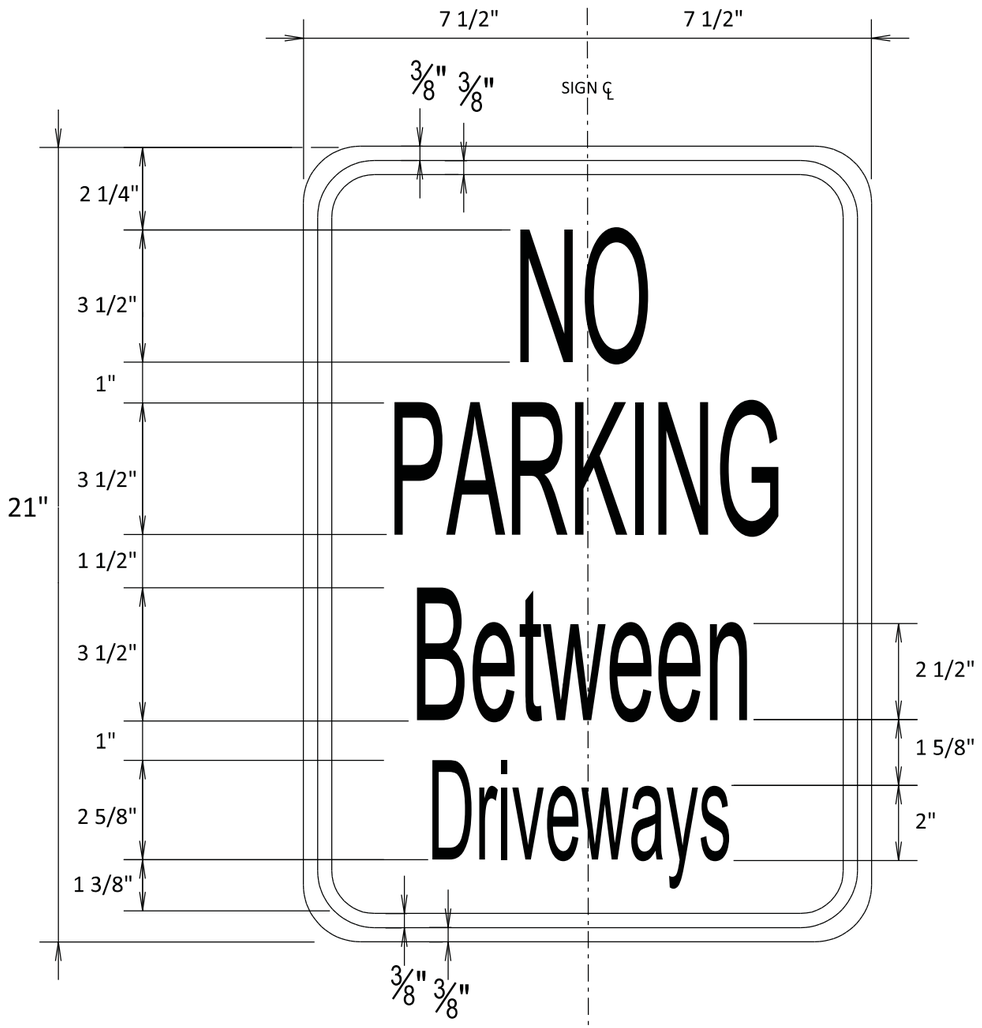
NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
   BACKGROUND: WHITE
   MESSAGE: GREEN

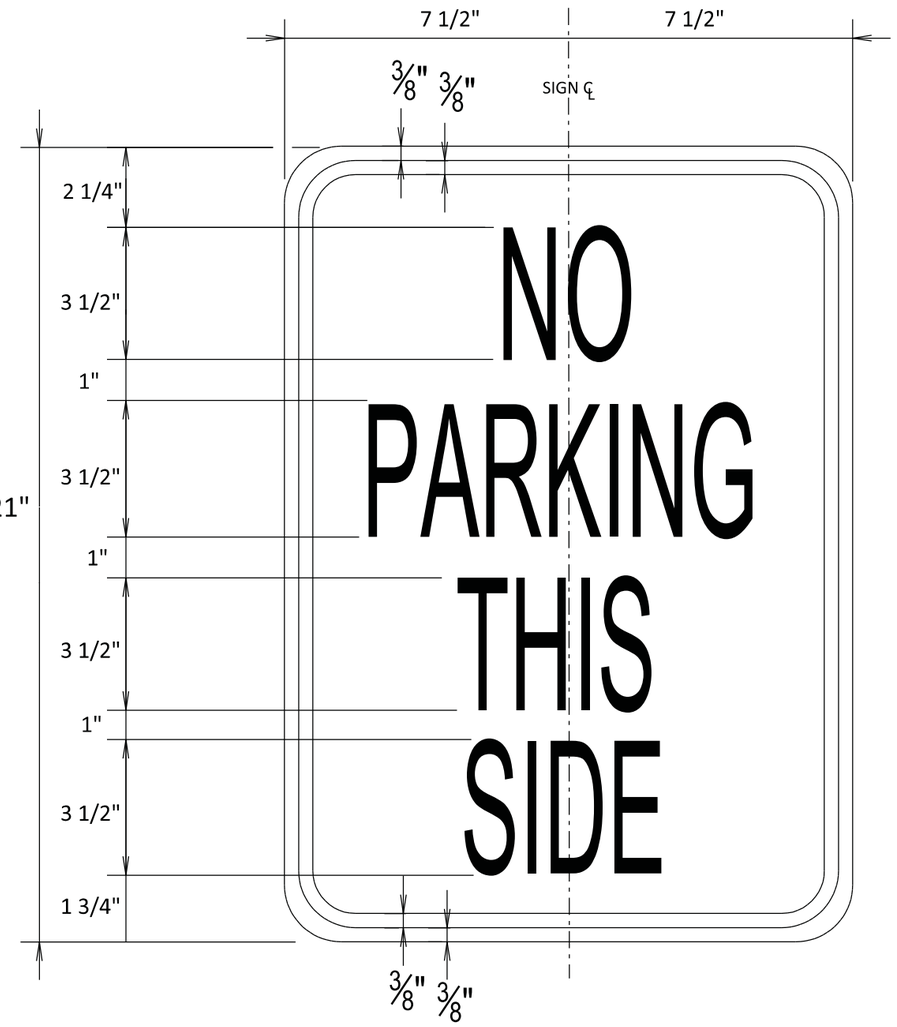
3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

R7-NP-3



R7-NP-17



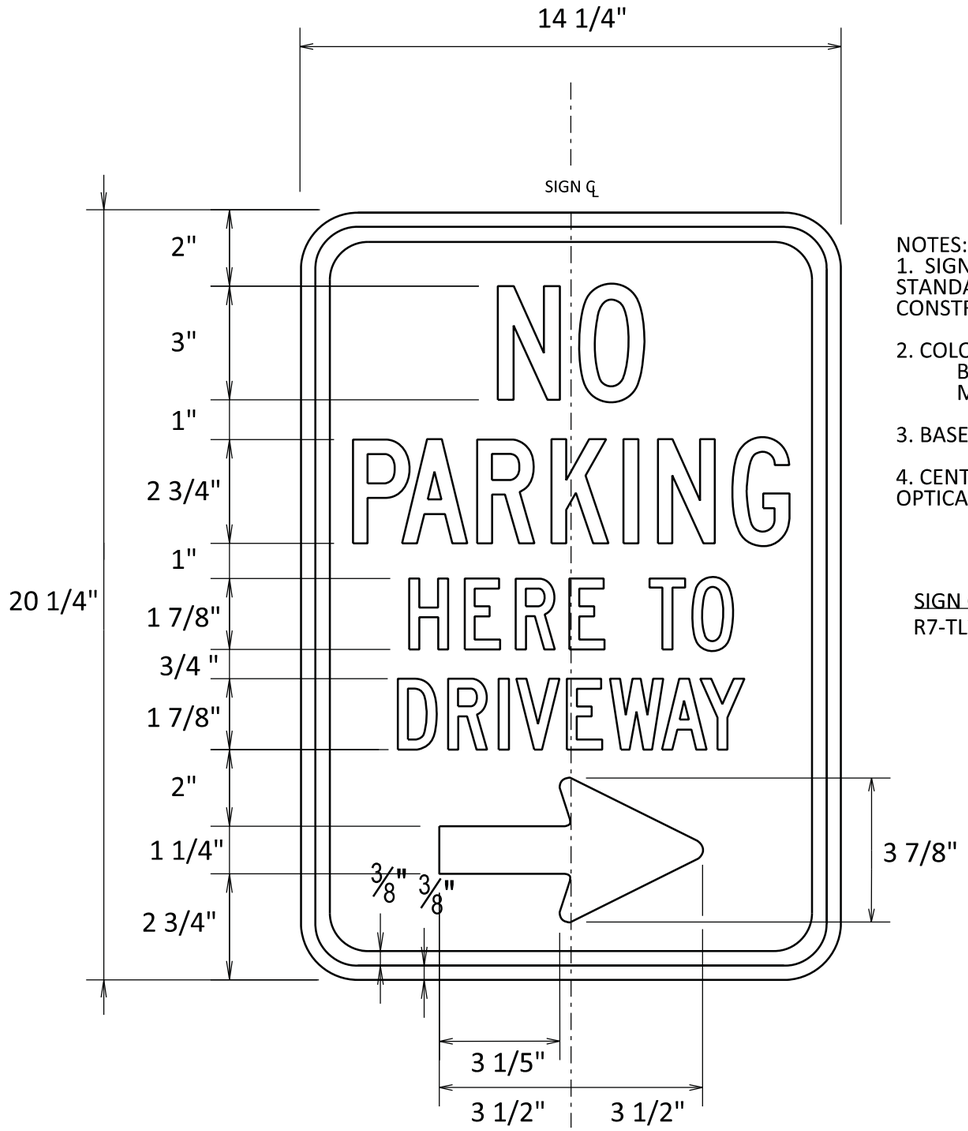
NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
   BACKGROUND: WHITE
   MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO achieve PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
R7-NP-3	1-150, 1-151, 1-220
R7-NP-17	1-243, 1-245, 1-247, 1-249



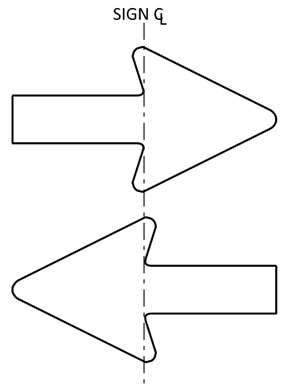
NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: RED

3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

SIGN CODE	SIGN NUMBERS
R7-TLZ-1aL (RIGHT ARROW)	1-84



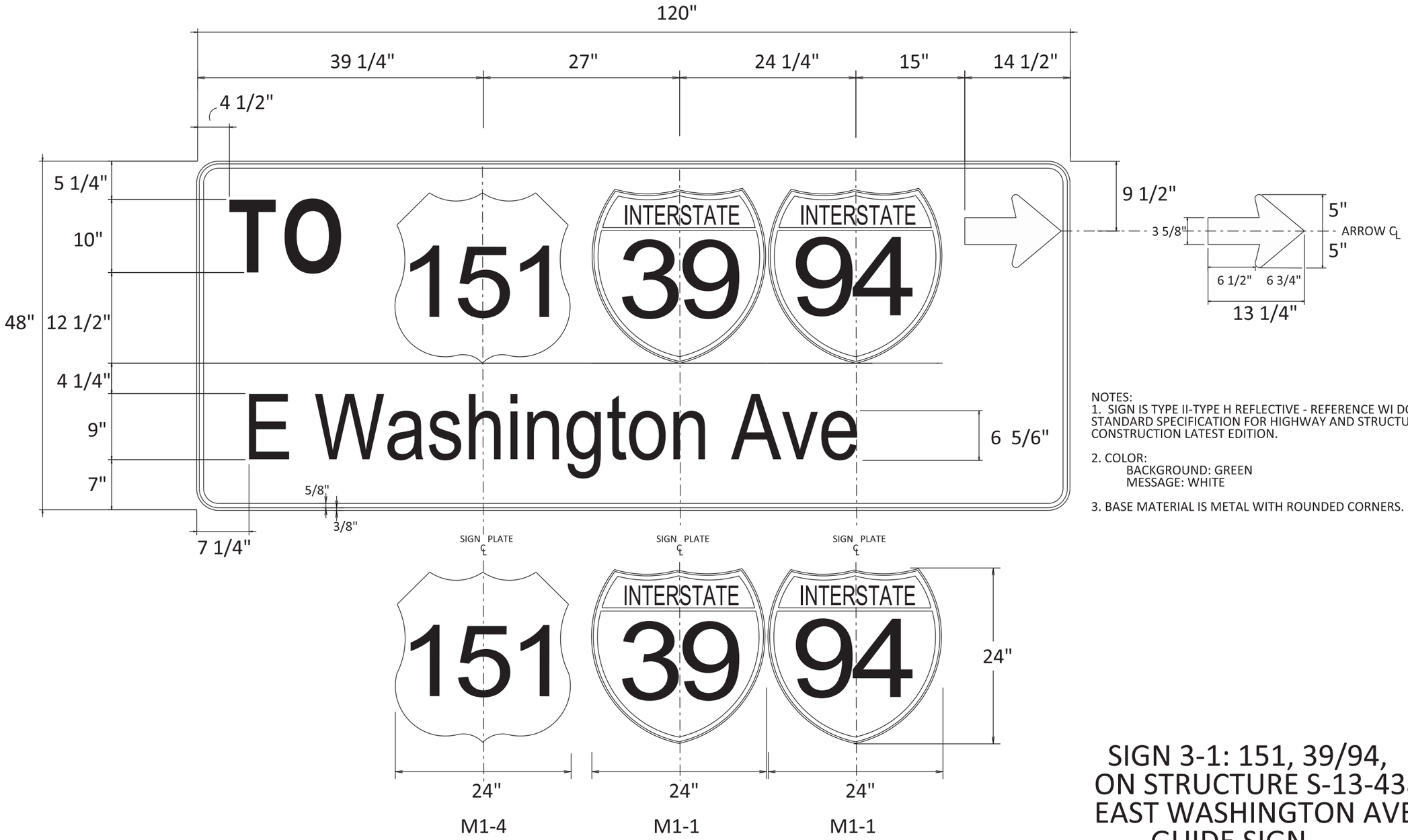
7

7

PROJECT NO:5992-09-11	HWY:E JOHNSON ST	COUNTY:DANE	SIGN DETAILS	SHEET 387	E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44

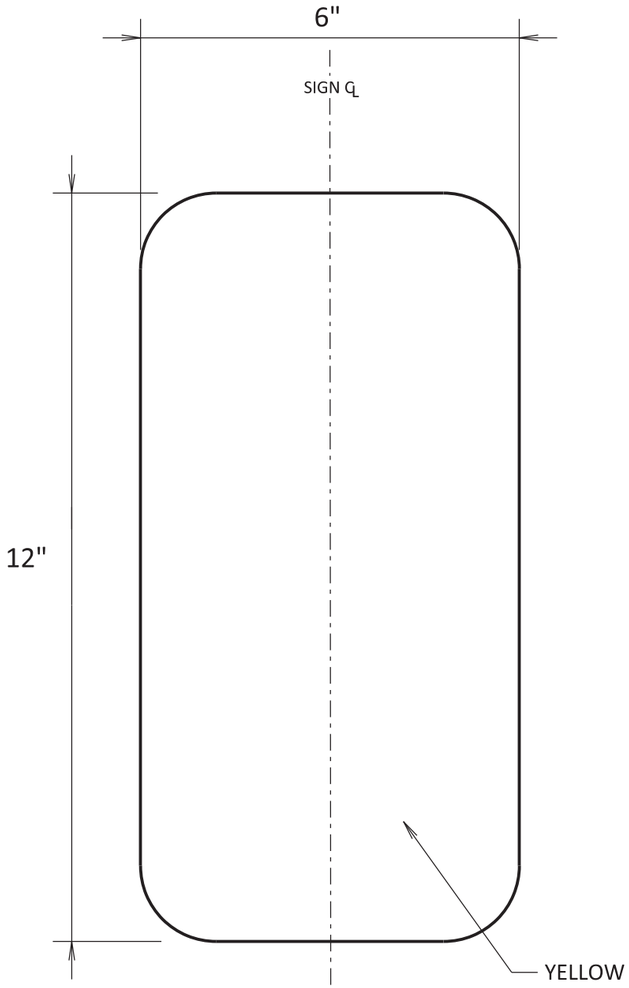


NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
   BACKGROUND: GREEN
   MESSAGE: WHITE

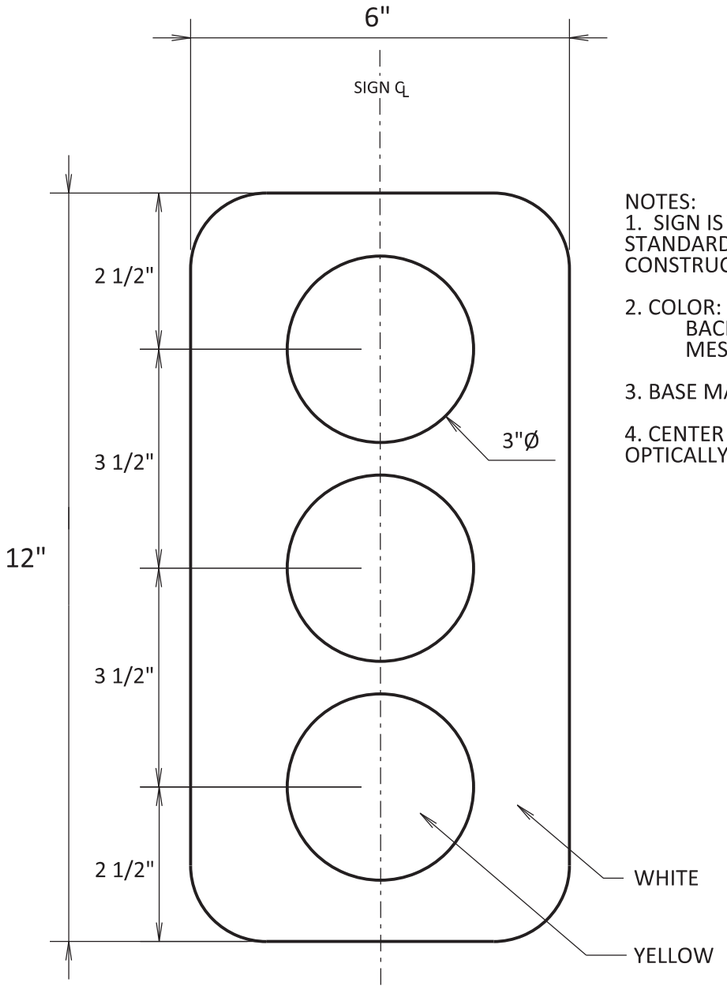
3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

SIGN 3-1: 151, 39/94, ON STRUCTURE S-13-438 EAST WASHINGTON AVE GUIDE SIGN



SIGN CODE
OM2-1V

SIGN NUMBERS
1-24
1-45
1-67
1-94
1-121
1-154
1-182
1-209
1-234
1-242



SIGN CODE
OM2-2V

SIGN NUMBERS
1-29

NOTES:
1. SIGN IS TYPE II-TYPE H REFLECTIVE - REFERENCE WI DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.

2. COLOR:
BACKGROUND: WHITE
MESSAGE: YELLOW

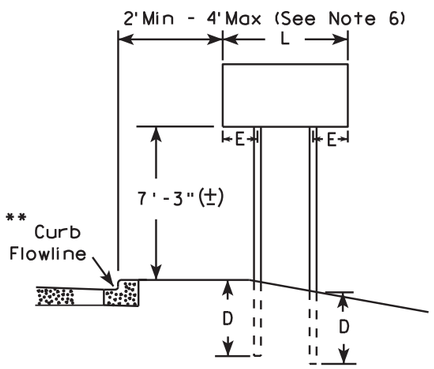
3. BASE MATERIAL IS METAL WITH ROUNDED CORNERS.

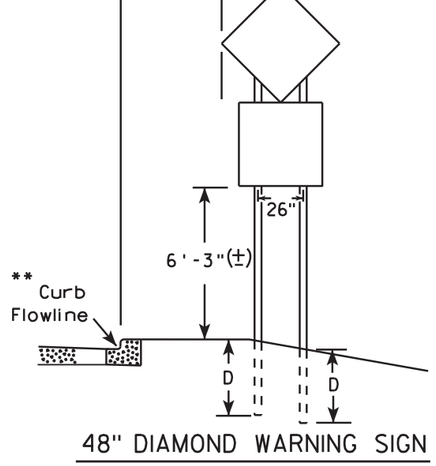
4. CENTER MESSAGE AND ARROWS ON SIGN CENTERLINE. OPTICALLY ADJUST SPACING TO ACHIEVE PROPER BALANCE.

7

7

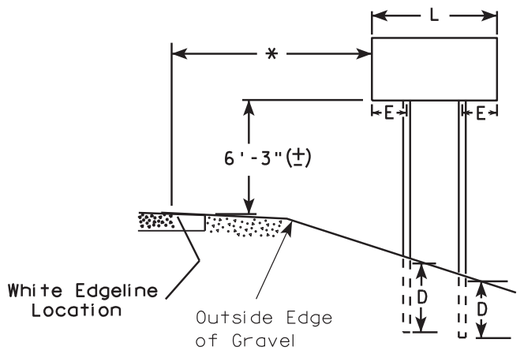
URBAN AREA

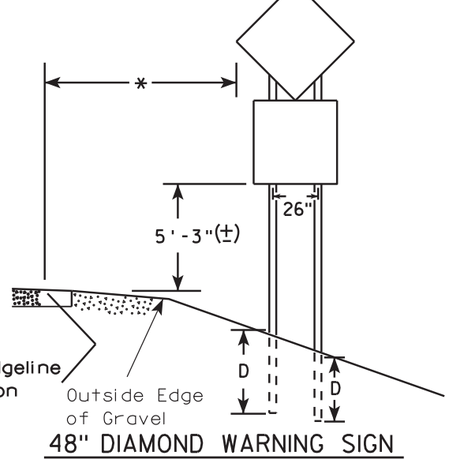




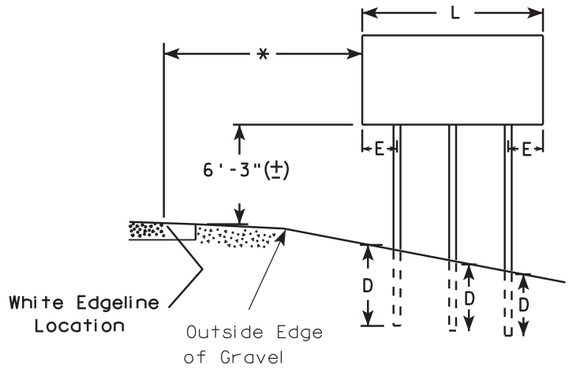
48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN



GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

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

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

***

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

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

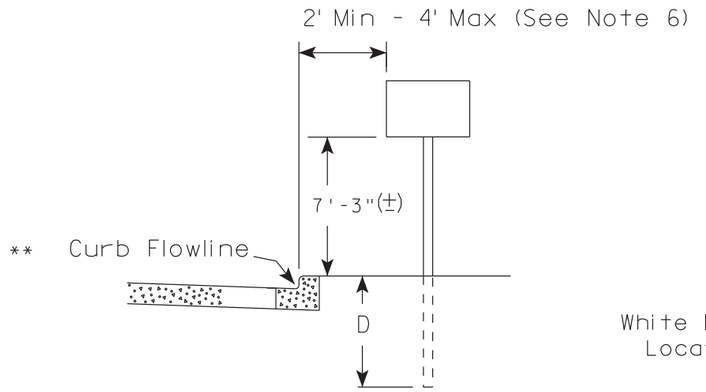
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

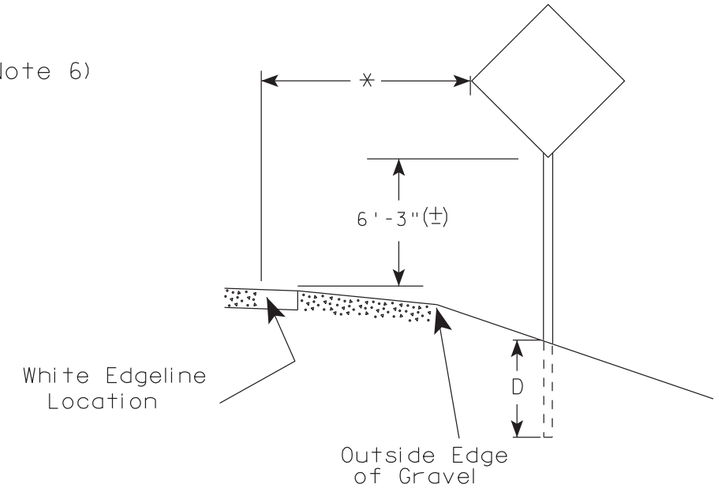
DATE 9/30/13 PLATE NO. A4-4.12

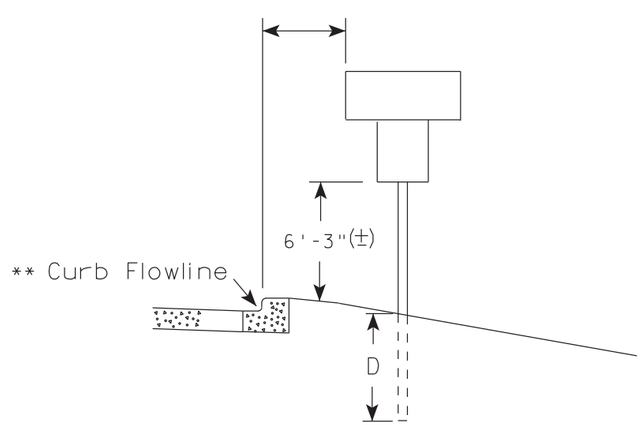
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 390	E

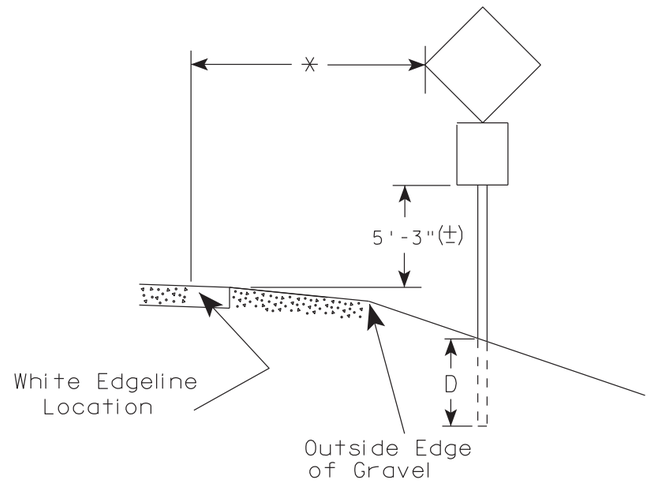
URBAN AREA



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.

GENERAL NOTES

1. Signs wider than 4 feet, 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. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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 stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed 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) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

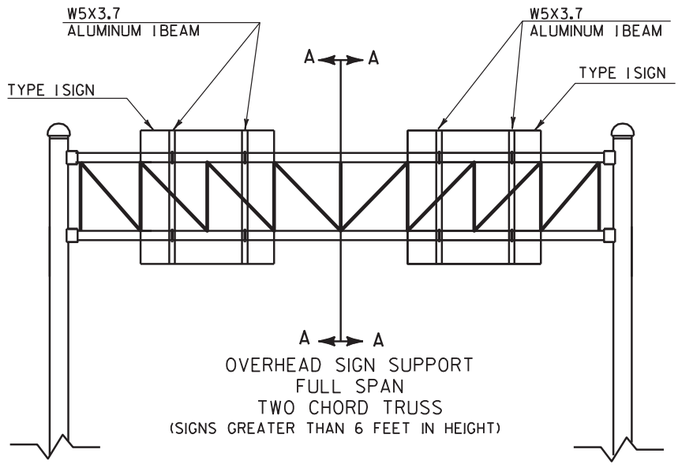
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

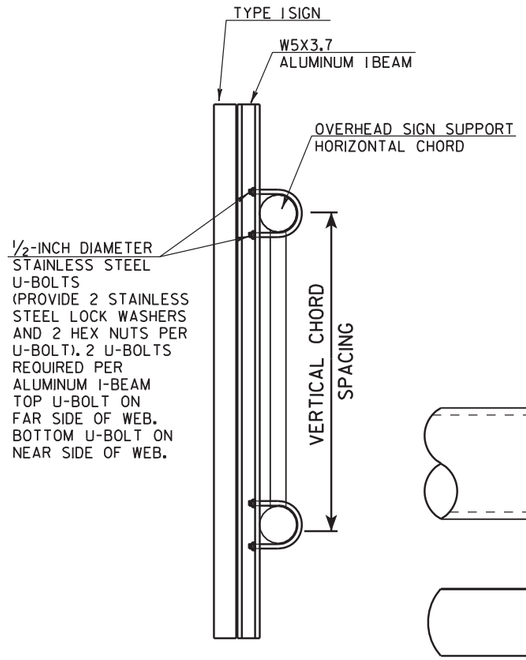
DATE 9/30/13 PLATE NO. A4-3.18

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 391	E

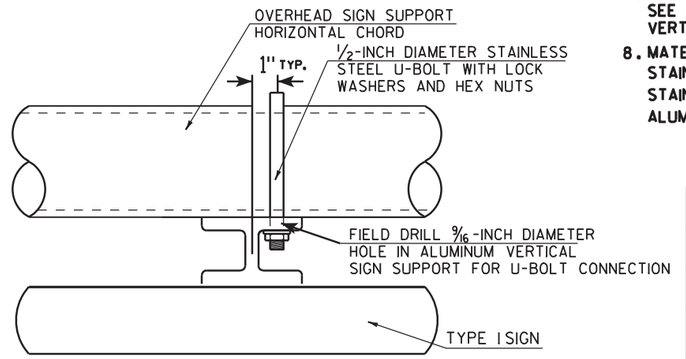
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN PLOT DATE : 30-SEP-2013 13:25 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 99.237937:1.000000



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



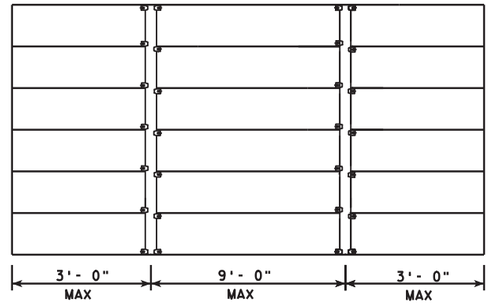
CUT SECTION A-A



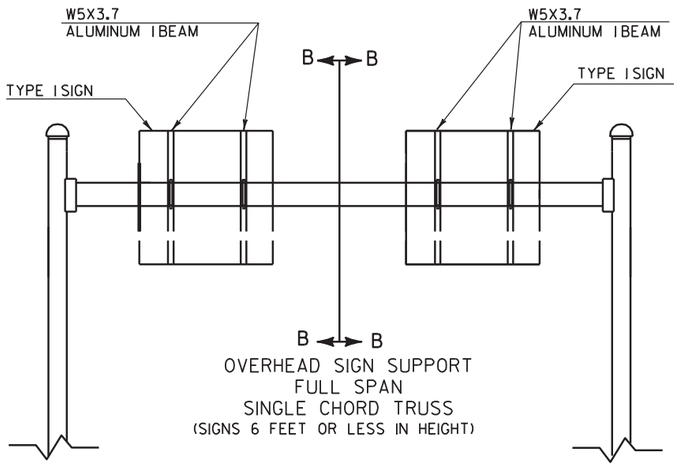
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

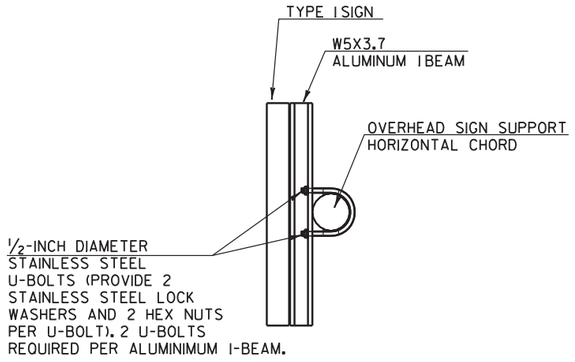
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



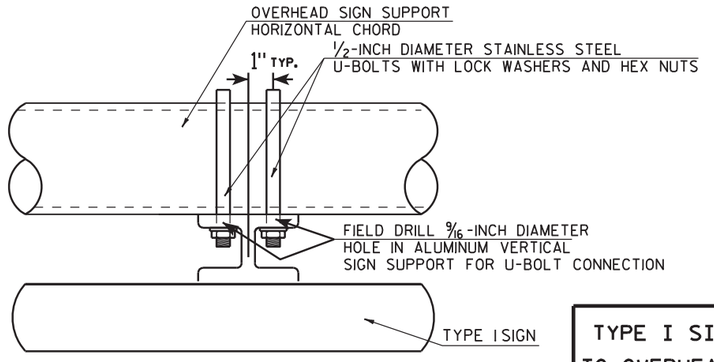
SPACING OF W5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



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

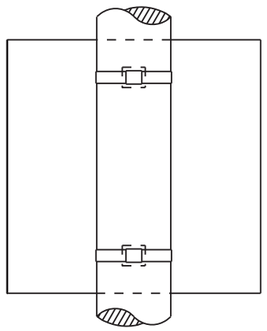
APPROVED Matthew R Rauch
for State Traffic Engineer

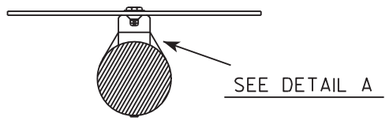
DATE 11/12/12 PLATE NO. A4-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:

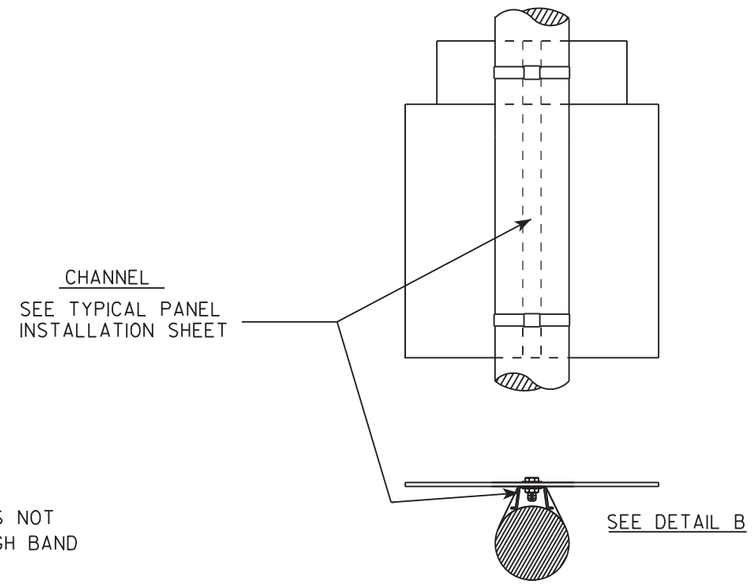
BANDING

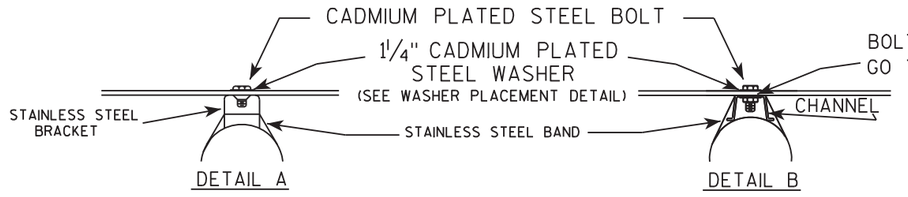
SINGLE SIGN



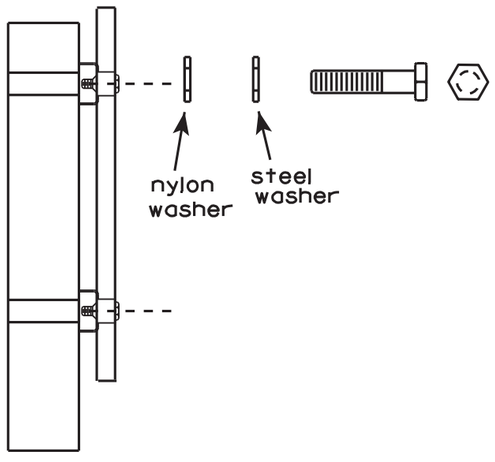


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.

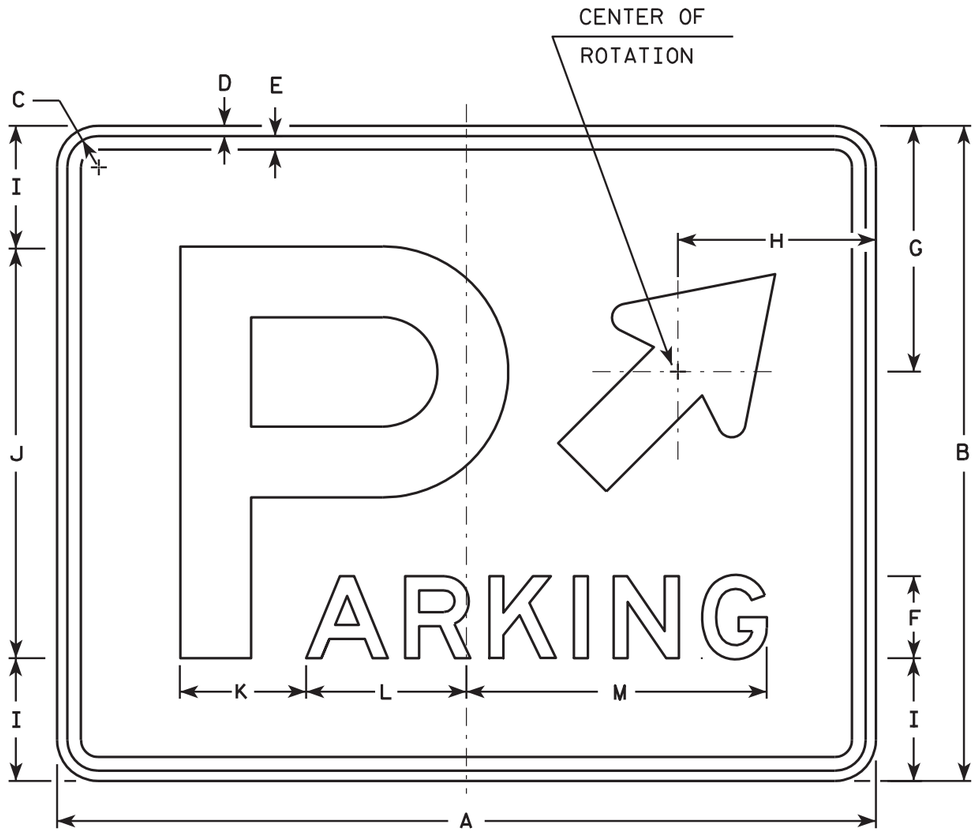
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

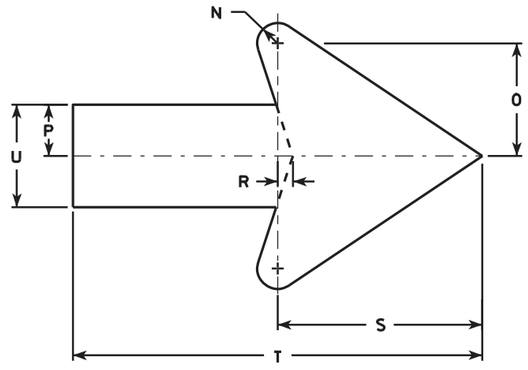
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 393	E



D4-1

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 - Green
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. Arrow shall be rotated as required.



Arrow Detail

Metric equivalent for this sign is:

SIZE	
1	450 mm X 375 mm
2	750 mm X 600 mm
3	1200 mm X 900 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	18	15	1 1/8	3/8	3/8	2	7	4 3/8	2 1/2	10	3 1/8	4	7 1/4	3/8	1 5/8	3/4		1/4	3	6	1 1/2						1.88	0.17
2	30	24	1 1/8	3/8	1/2	3	9	7 1/4	4 1/2	15	4 5/8	5 7/8	11	1/2	2 3/4	1 1/4		3/8	5	10	2 1/2						5.0	0.45
3	48	36	1 3/8	1/2	5/8	5	11	12	5 1/2	25	7 3/4	9 3/4	18 1/4	3/4	3 7/8	1 7/8		5/8	7 1/2	15	3 3/4						12.0	1.08
4																												
5																												

STANDARD SIGN
D4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

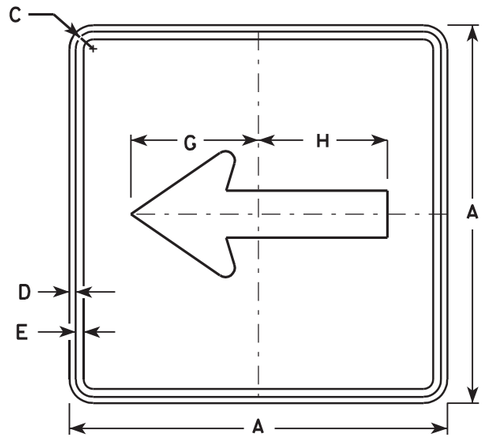
DATE 5/01/06 PLATE NO. D4-1.8

PROJECT NO:

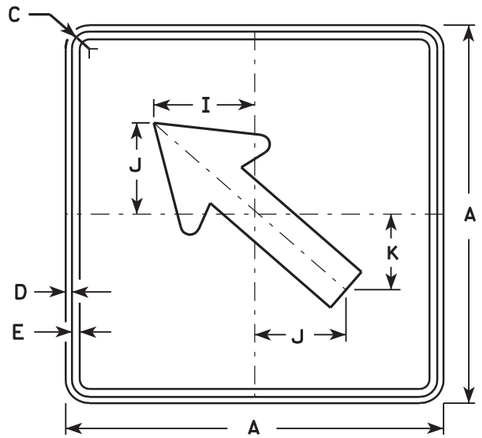
SHEET NO: 394 E

FILE NAME : C:\Users\Projects\tr_stdplate\D41.DGN PLOT DATE : 01-MAY-2006 13:39 PLOT BY : DOTSJA

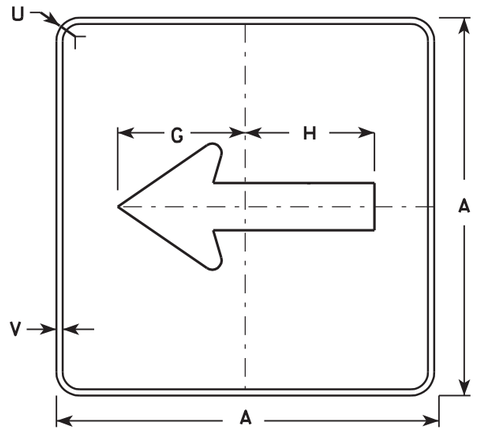
WISDOT/CADDS SHEET 42



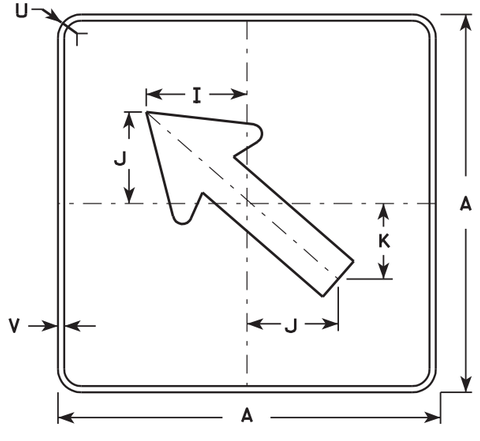
M6-1
MK6-1
MM6-1
MO6-1
MP6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MP6-2
MR6-2



MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective
   Message - Black

   MB6-1 and MB6-2 Background - Blue
   Message - White - Type H Reflective

   MG6-1 and MG6-2 Background - Green
   Message - White - Type H Reflective

   MK6-1 and MK6-2 Background - Green
   Message - White - Type H Reflective

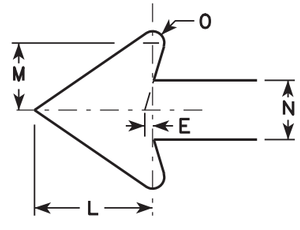
   MM6-1 and MM6-2 Background - White - Type H Reflective
   Message - Green

   MN6-1 and MN6-2 Background - Brown
   Message - White - Type H Reflective

   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black

   MP6-1 and MP6-2 Background - White - Type H Reflective
   Message - Blue

   MR6-1 and MR6-2 Background - Brown
   Message - Yellow - Type H Reflective



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

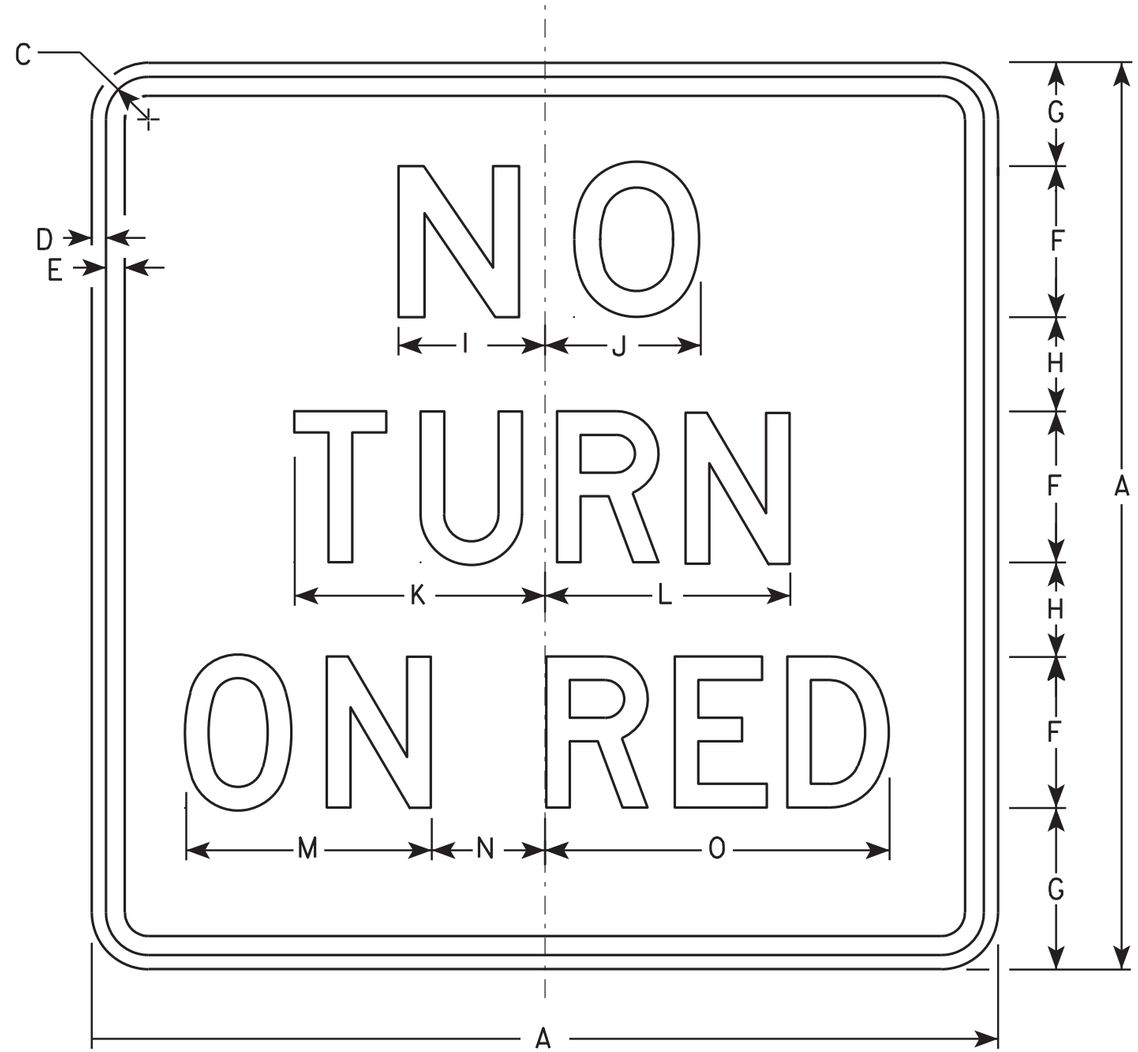
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 395 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																											

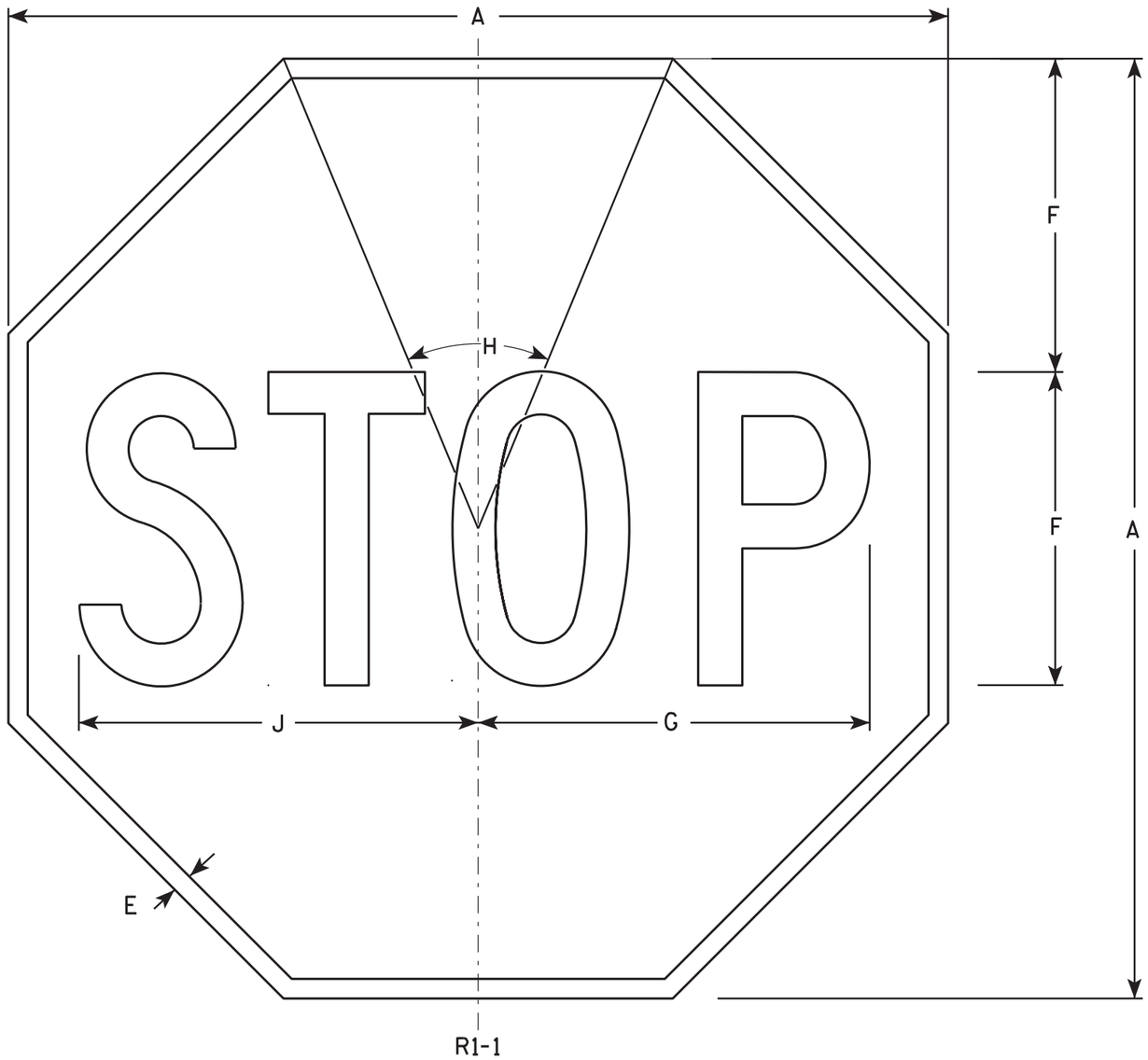
STANDARD SIGN
R10-11B

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: 396 | E



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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	24				3/8	8	10	45°		10 1/4																	3.31
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 12/03/10 PLATE NO. R1-1.12

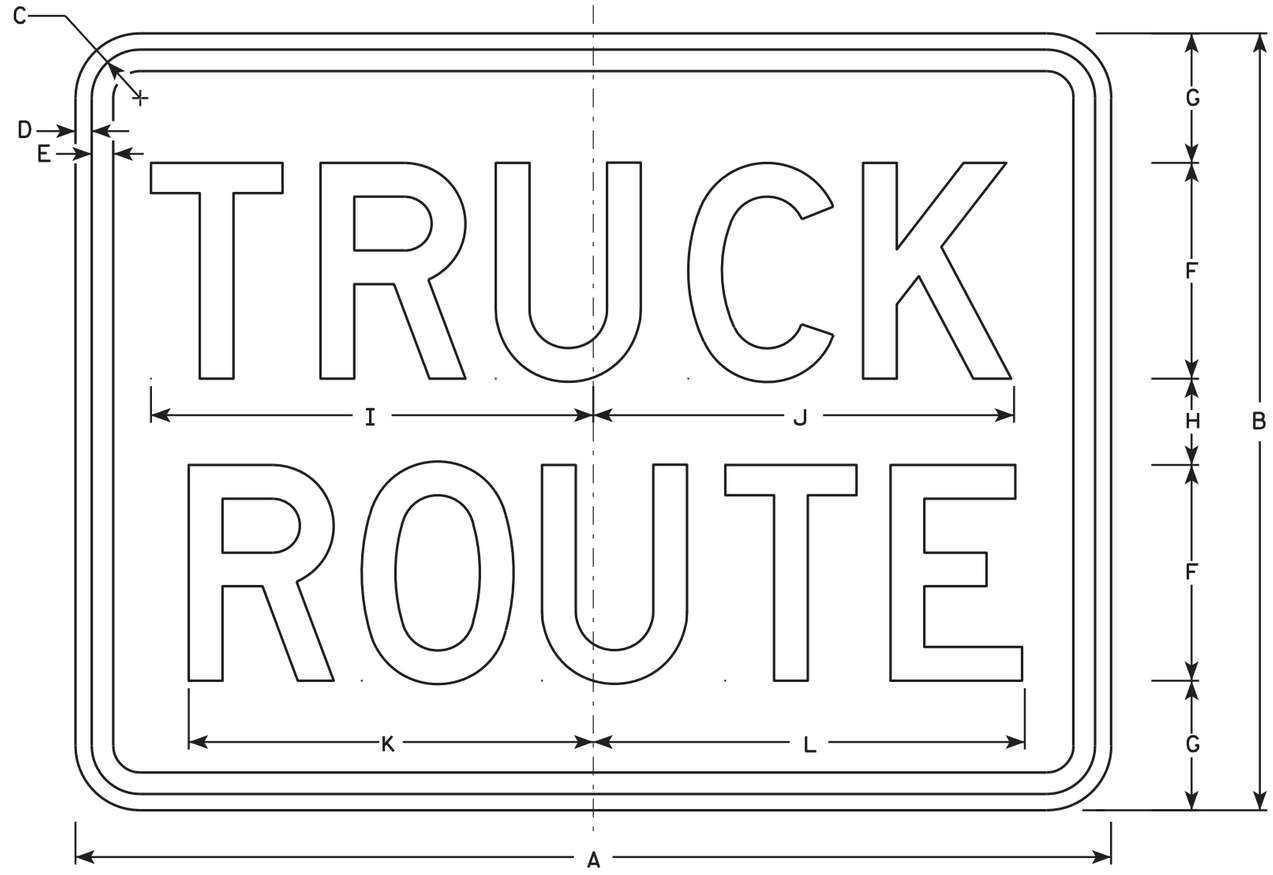
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 397	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11.DGN PLOT DATE : 02-DEC-2010 15:09 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 4.469282:1.000000

WISDOT/CADDS SHEET 42

7

7



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

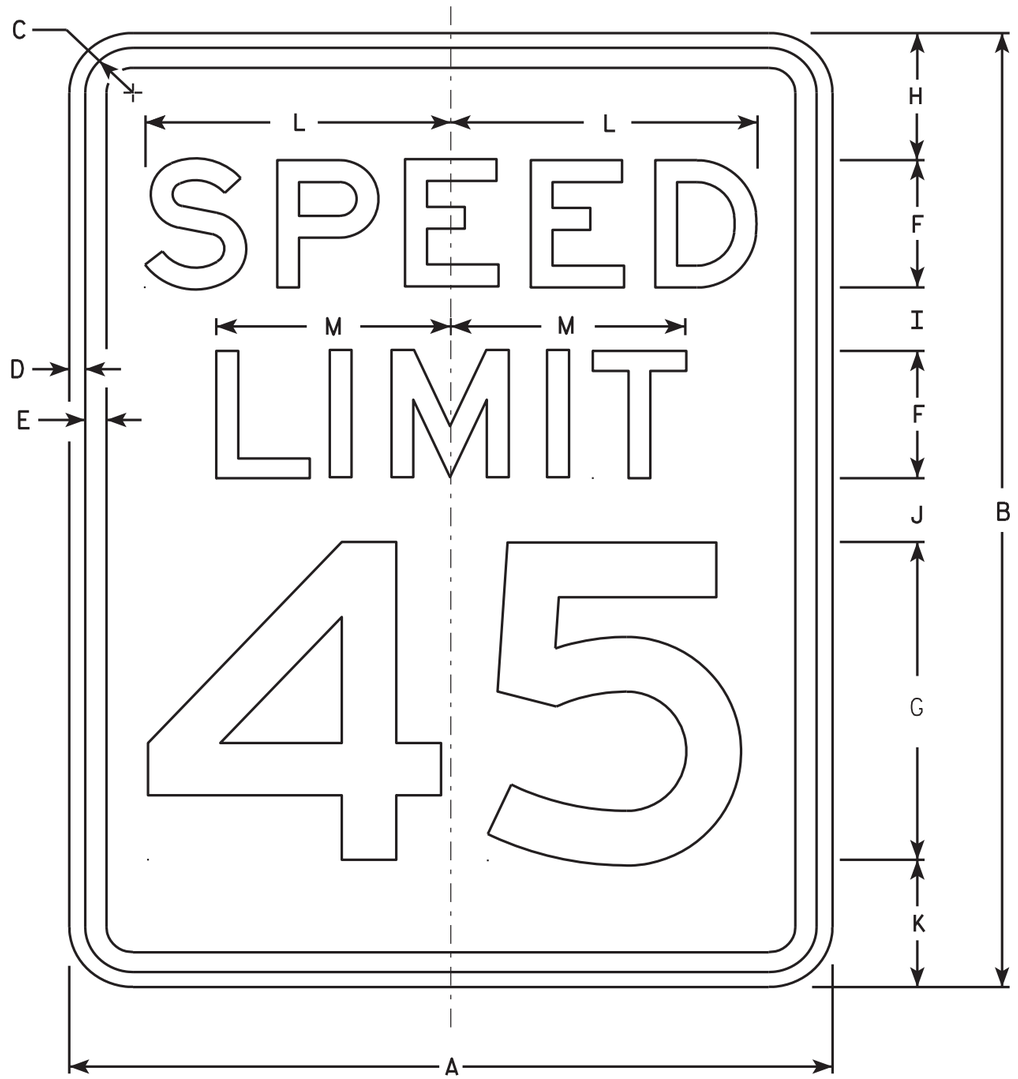
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 398	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R141.DGN PLOT DATE : 01-APR-2011 12:07 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 3.476110:1.000000

WISDOT/CADDS SHEET 42

7

7



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

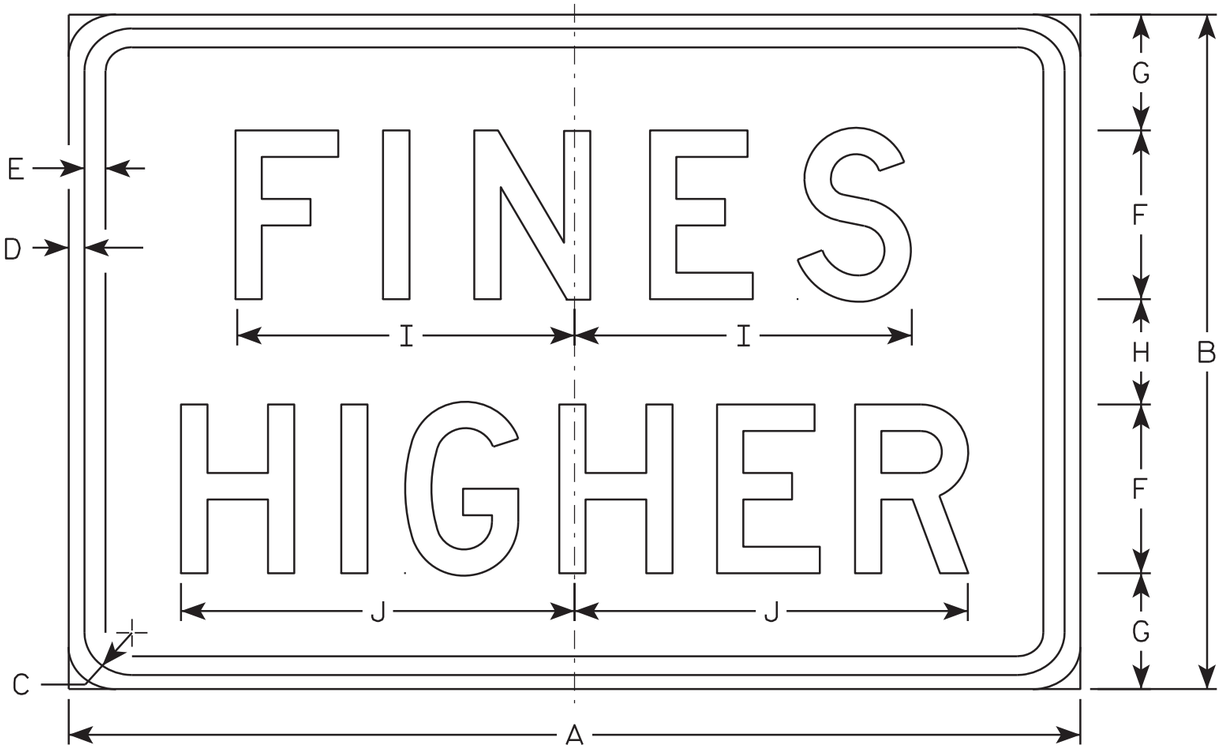
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 399 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000
WISDOT/CADDS SHEET 42



R2-6P

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	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

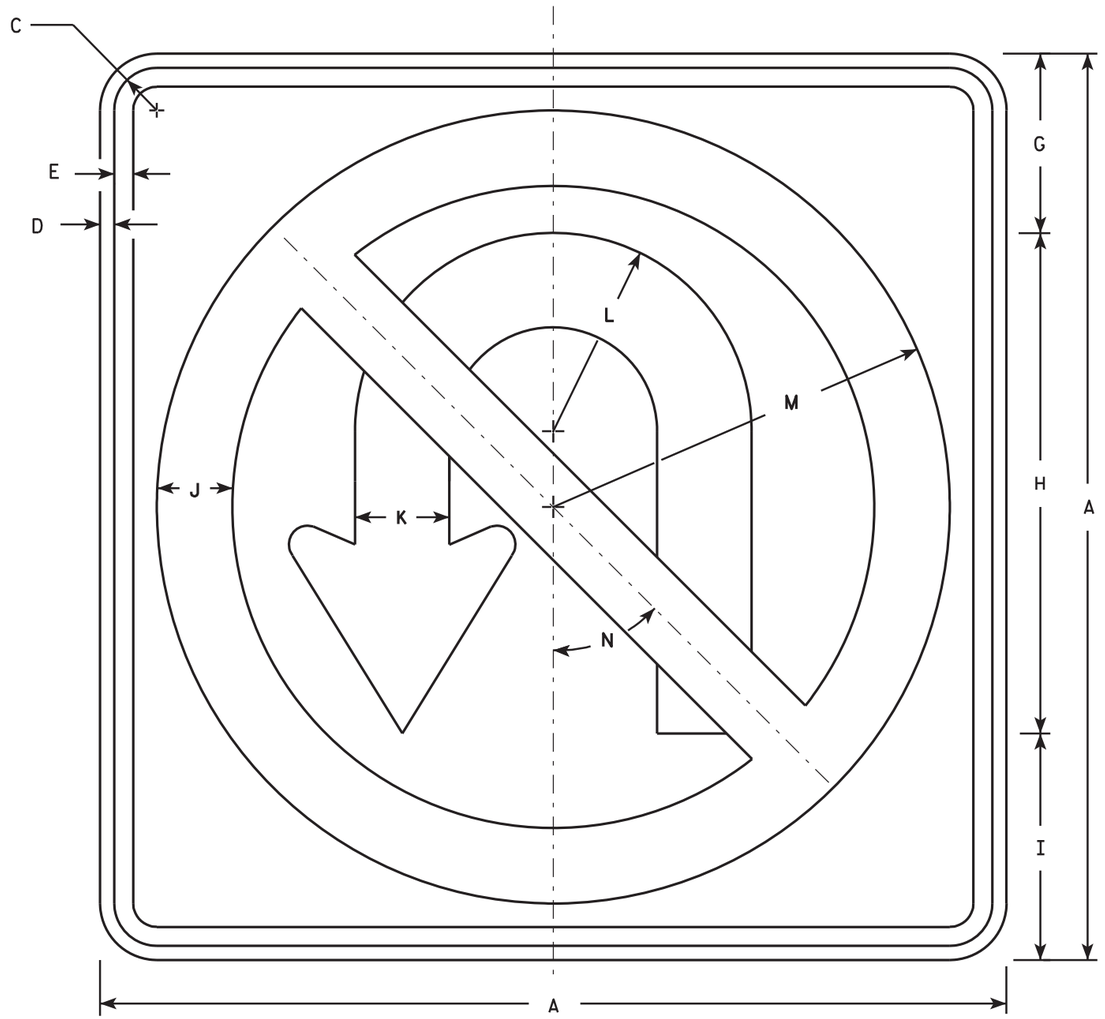
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

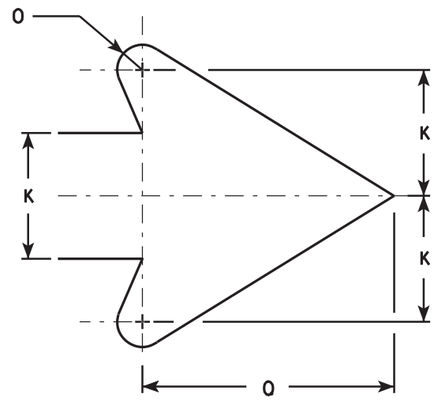
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 400 | E



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	Q	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

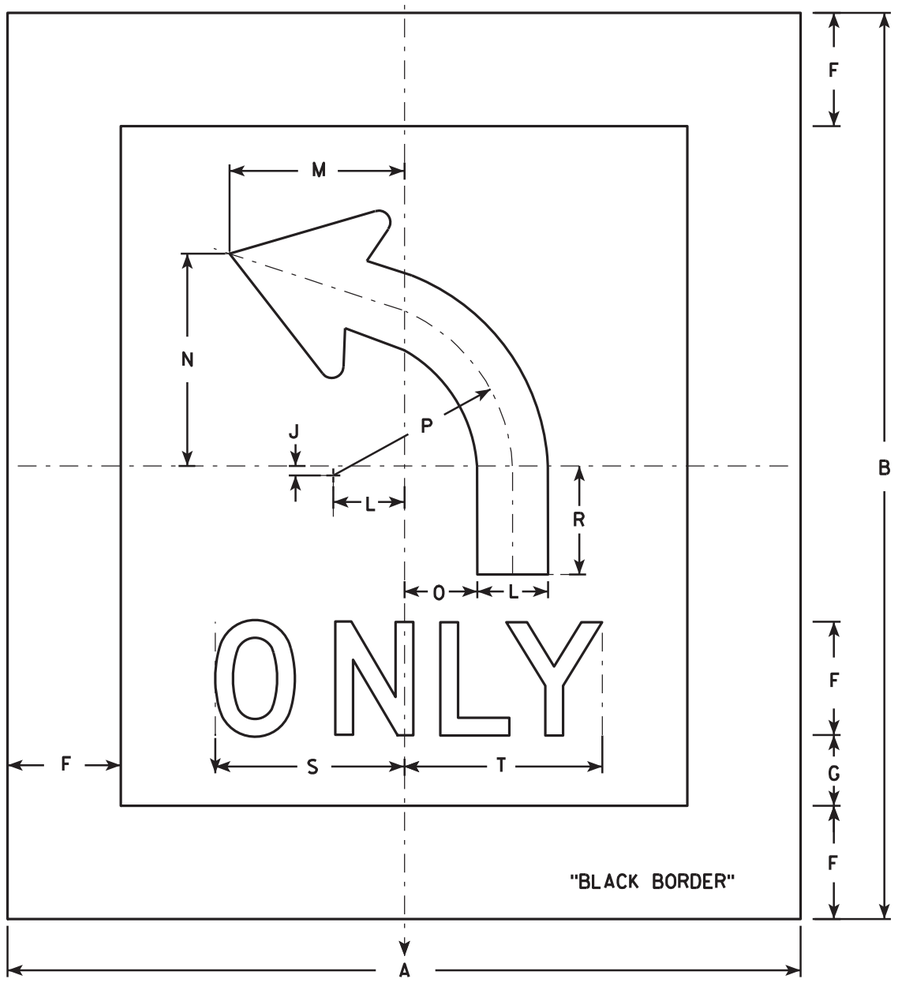
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

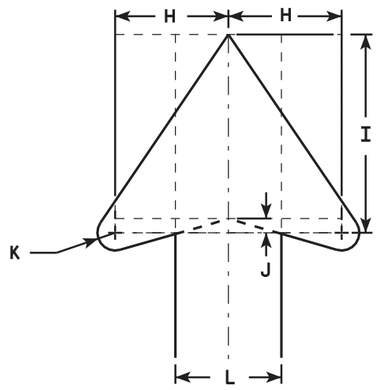
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 401	E



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																											

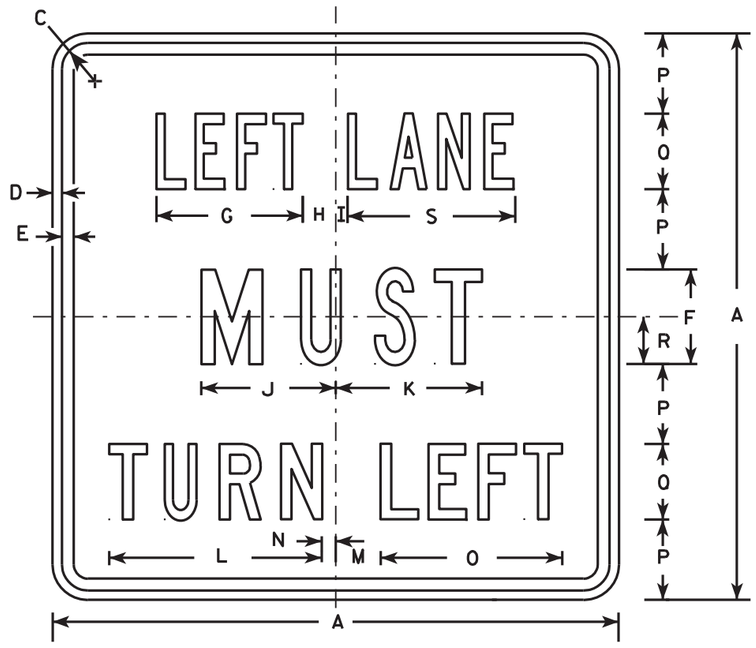
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

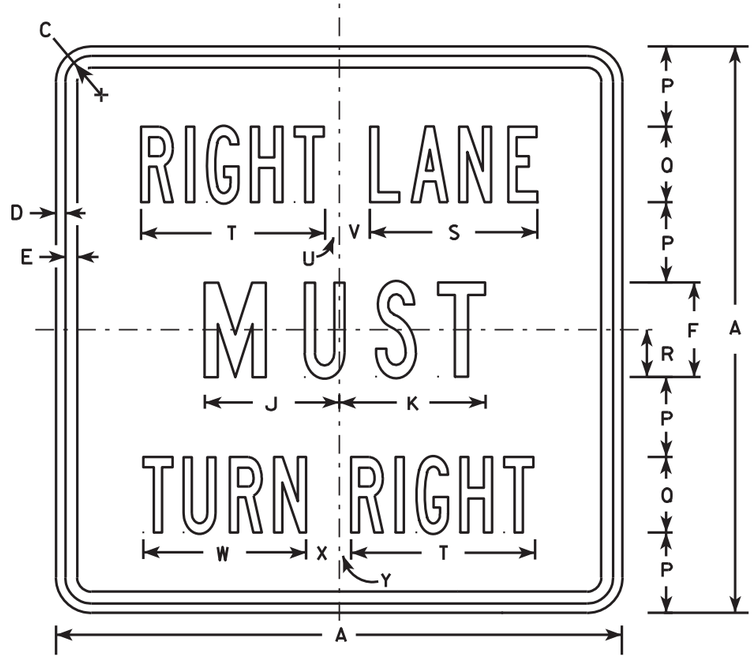
APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 402 | 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																											

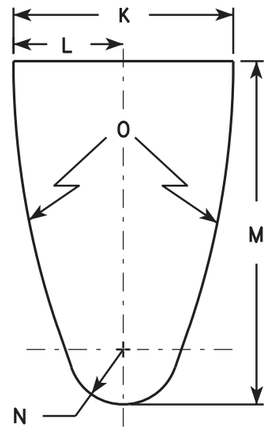
STANDARD SIGN
R3-7L & R3-7R

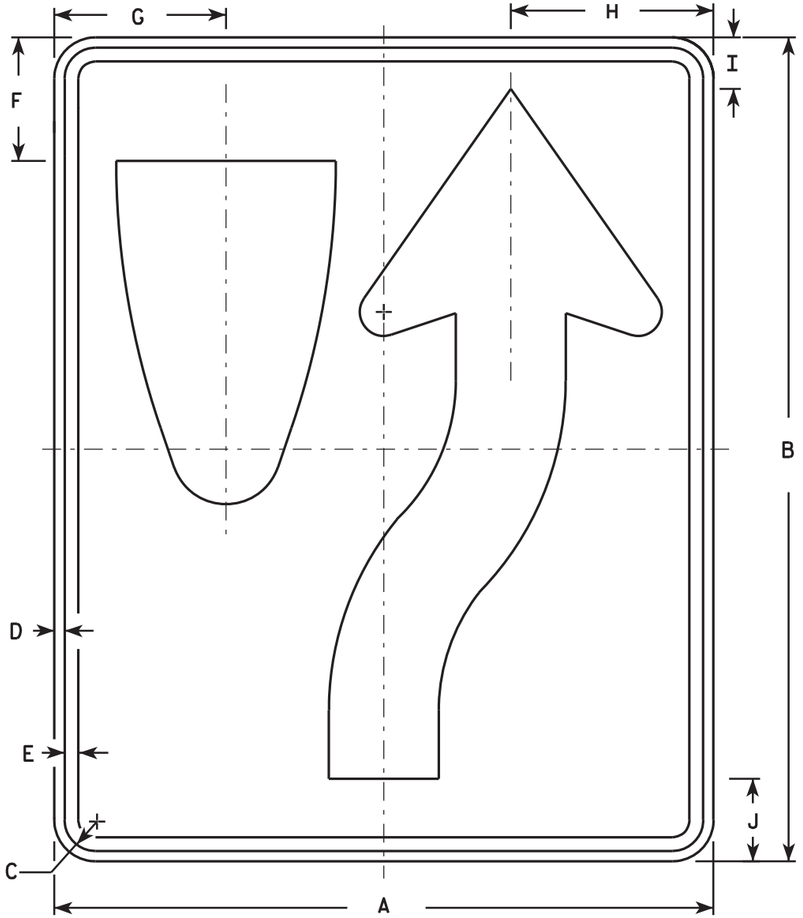
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 403 | E

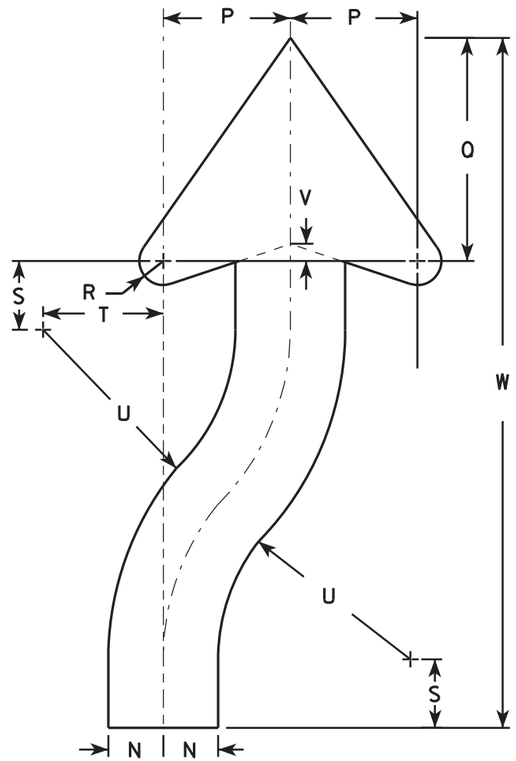




R4-7

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 1/8	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 1/8	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 1/8	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

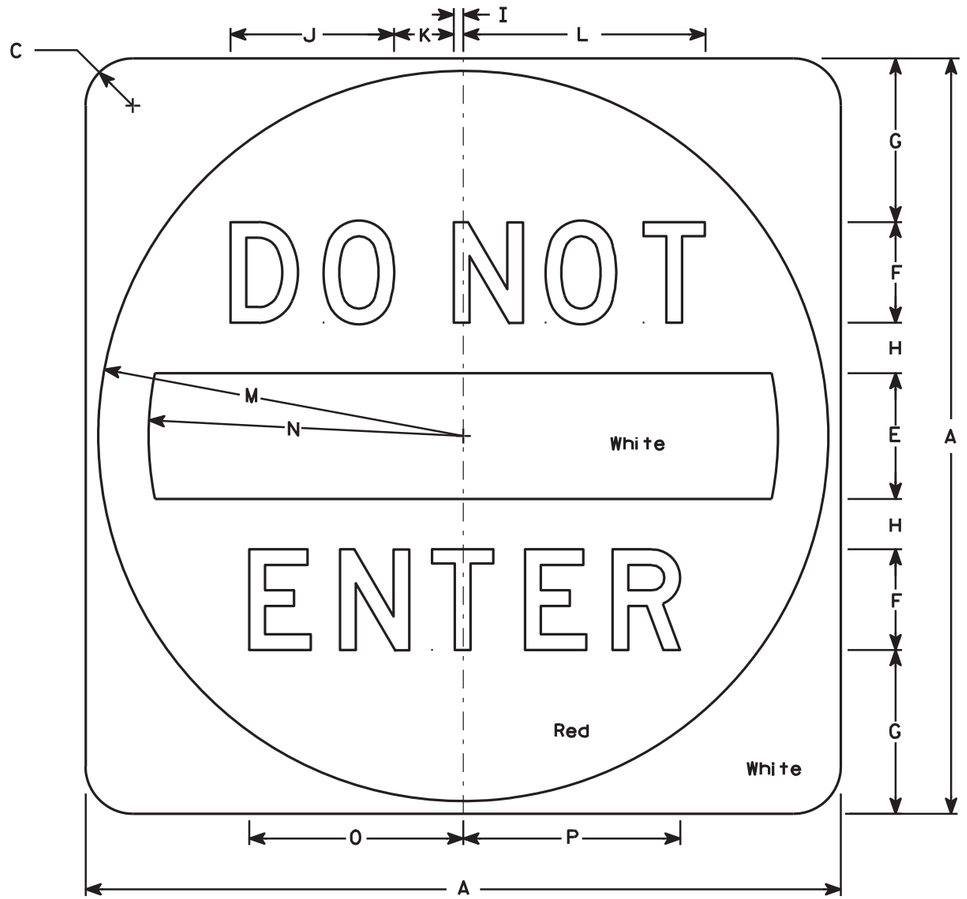
STANDARD SIGN
R4-7 & R4-8

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: 404	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	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											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 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

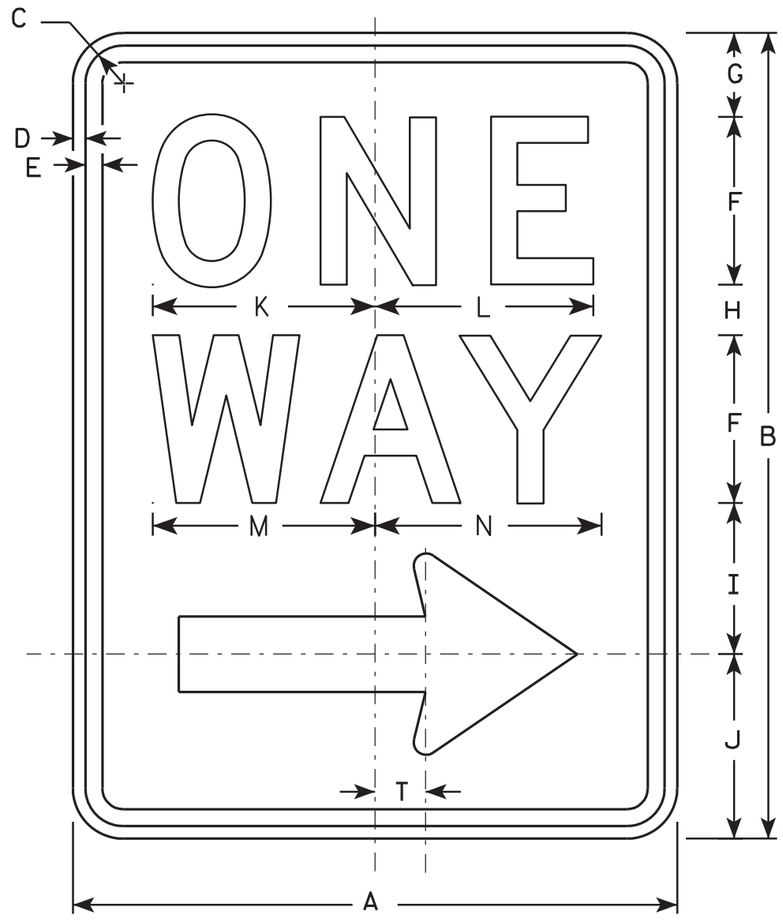
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

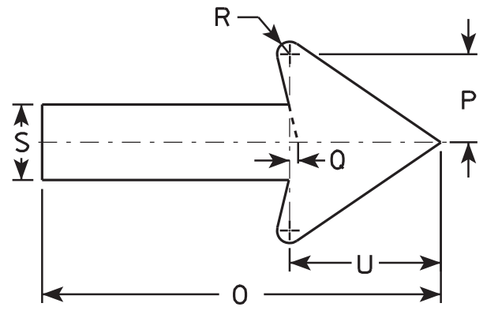
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 405 E



R6-2R

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. R6-2L same as R6-2R except arrow points to the left.



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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

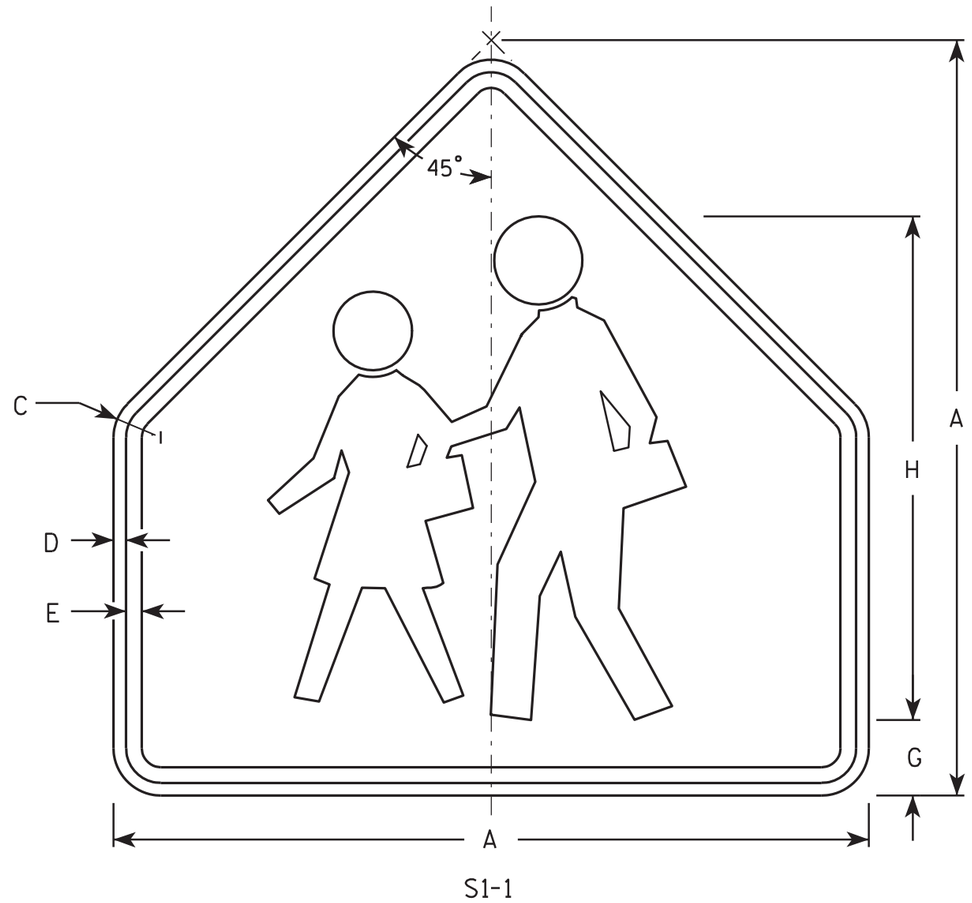
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 406 E



S1-1

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-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

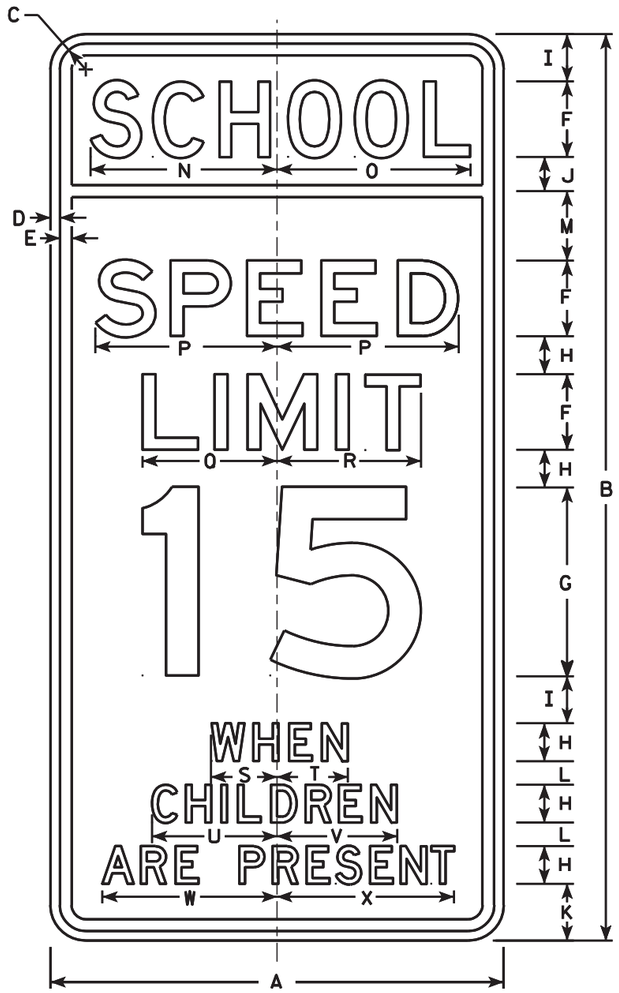
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 407	E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   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. Top panel (SCHOOL) background - Yellow Green -Type F Reflective. Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
5	

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.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

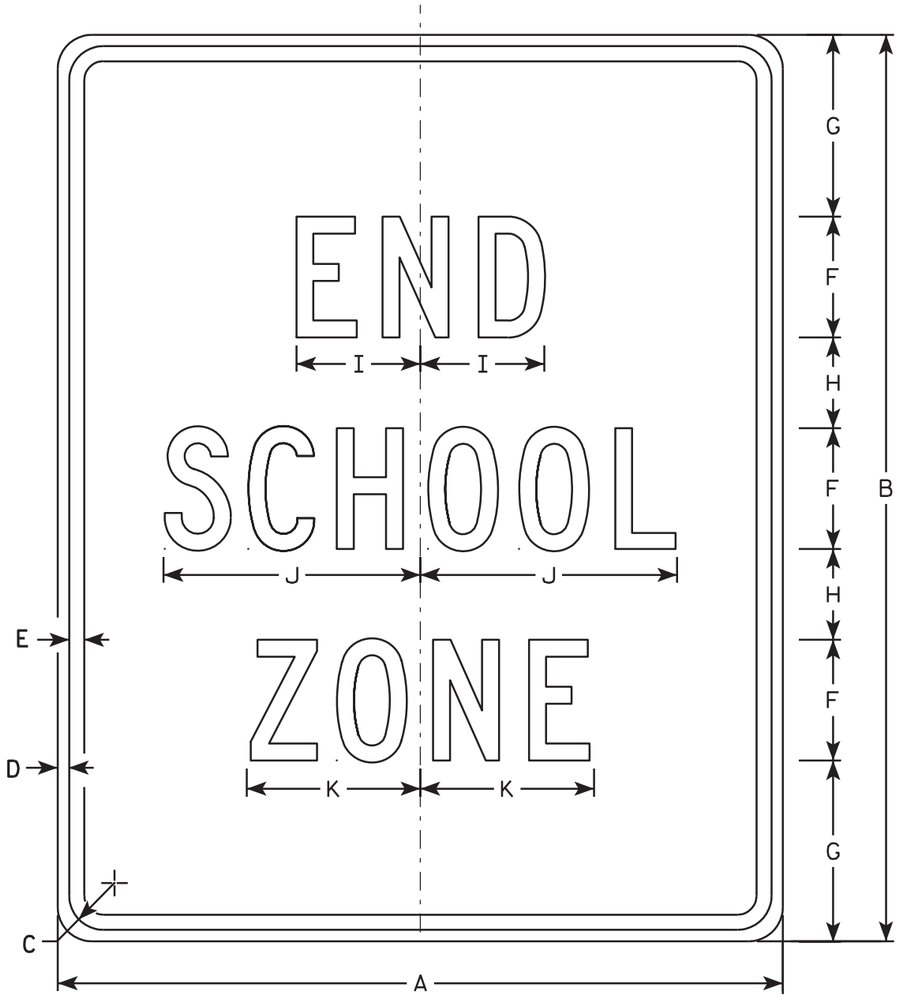
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 408	E



S5-2

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 - 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	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

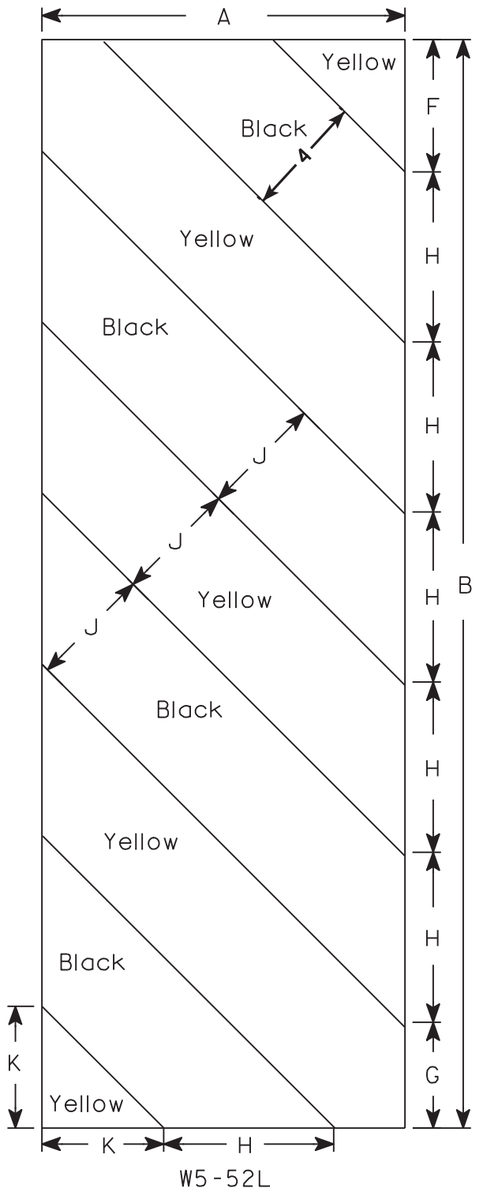
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

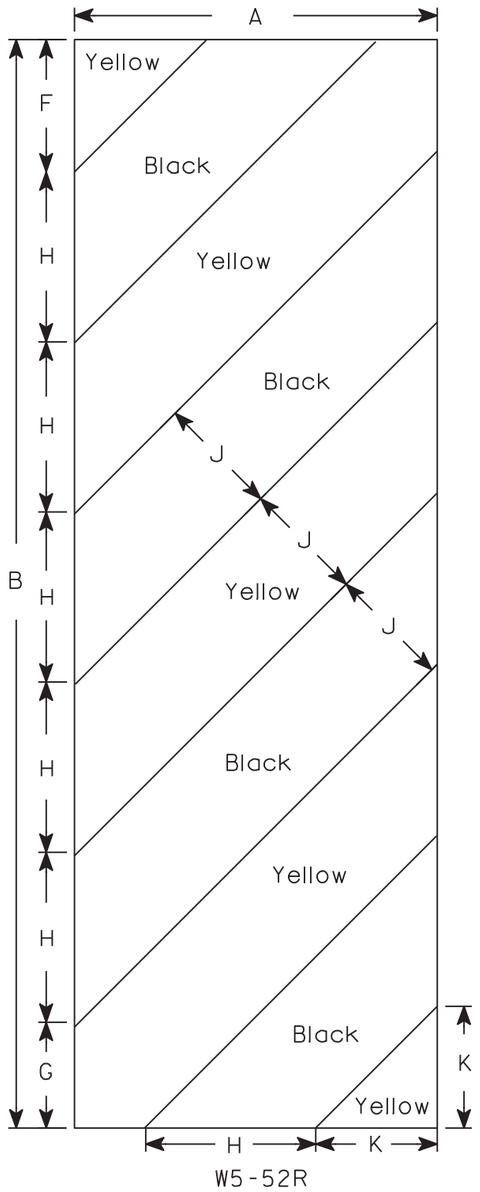
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 409	E



W5-52L



W5-52R

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. Alternate colors of stripes as shown.

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	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

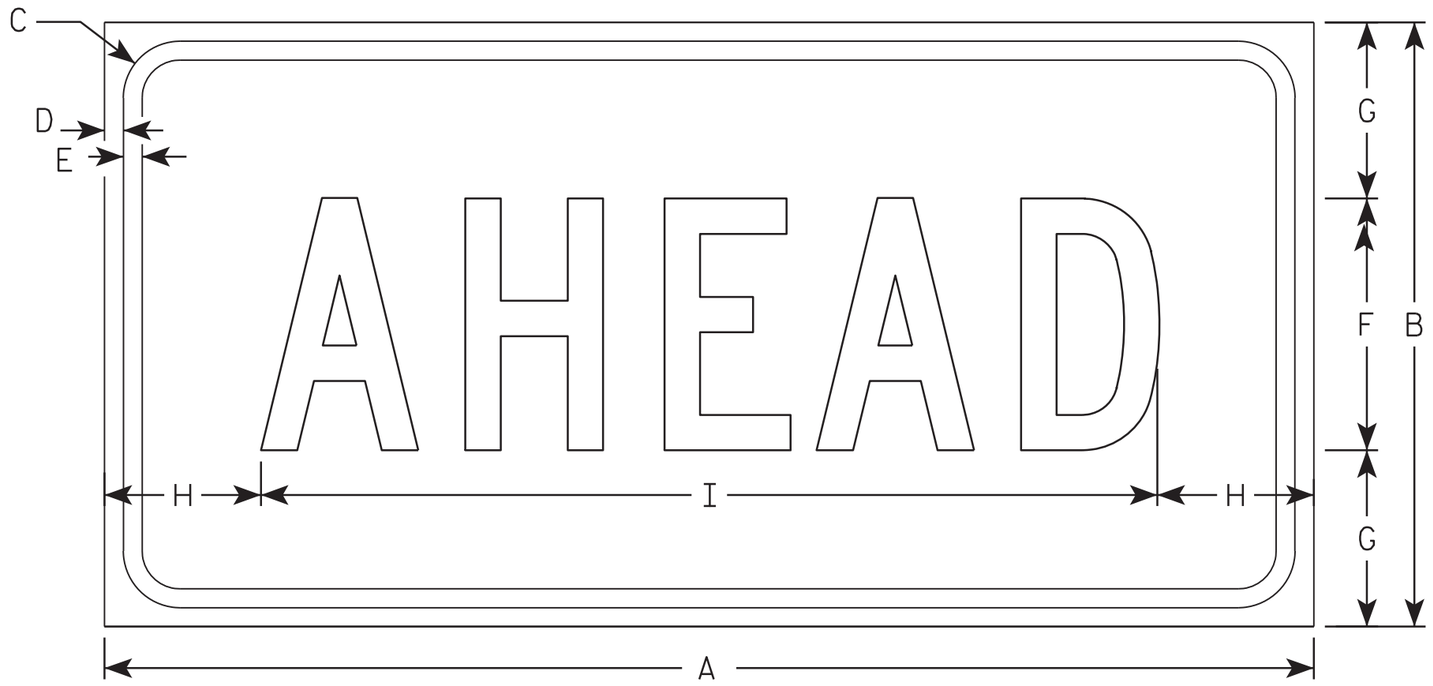
STANDARD SIGN
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 410 E



W16-9P

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 - 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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 411 | E

STAGE 1 EARTHWORK (STA 65+25 - STA 66+75 & STA 68+25 - STA 69+50)

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
65+25	25	0.9	0.0	0	0	0	0	0
65+50	25	4.8	0.0	3	0	3	0	3
65+75	25	8.7	0.0	6	0	9	0	9
66+00	25	11.9	0.0	10	0	18	0	18
66+25	25	14.8	0.0	12	0	31	0	31
66+50	25	17.9	0.0	15	0	46	0	46
66+75	25	9.5	0.0	13	0	59	0	59
68+25	25	2.3	0.0	0	0	59	0	59
68+50	25	9.1	0.0	5	0	64	0	64
68+75	25	17.1	0.0	12	0	76	0	76
69+00	25	24.6	0.0	19	0	95	0	95
69+25	25	27.0	0.0	24	0	119	0	119
69+50	25	14.1	0.0	19	0	138	0	138
			STAGE 1 TOTALS	**138**	**0**	--	--	--

STAGE 2 MAINLINE EARTHWORK (STA 10+60 - STA 69+50)

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
10+60	15	61.6	0.0	0	0	0	0	0
10+75	25	20.7	0.0	23	0	23	0	23
11+00	25	69.1	0.0	42	0	64	0	64
11+25	25	81.3	0.0	70	0	134	0	134
11+50	25	84.4	0.0	77	0	211	0	211
11+75	25	102.6	0.0	87	0	297	0	297
12+00	25	83.0	0.0	86	0	383	0	383
12+25	25	88.3	0.0	79	0	463	0	463
12+50	25	53.6	0.0	66	0	528	0	528
12+75	25	53.0	0.0	49	0	578	0	578
13+00	25	52.6	0.0	49	0	626	0	626
13+25	25	51.0	0.0	48	0	674	0	674
13+50	25	51.7	0.0	48	0	722	0	722
13+75	25	52.0	0.0	48	0	770	0	770
14+00	25	55.0	0.0	49	0	819	0	819
14+25	25	53.3	0.0	50	0	870	0	870
14+50	25	51.5	0.0	49	0	918	0	918
14+75	25	50.3	0.0	47	0	965	0	965
15+00	25	51.5	0.0	47	0	1012	0	1012
15+25	25	53.2	0.0	48	0	1061	0	1061
15+50	25	57.5	0.0	51	0	1112	0	1112
15+75	25	55.5	0.0	52	0	1164	0	1164
16+00	25	53.3	0.0	50	0	1215	0	1215
16+25	25	52.6	0.0	49	0	1264	0	1264
16+50	25	57.6	0.0	51	0	1315	0	1315
16+75	25	55.8	0.0	52	0	1367	0	1367
17+00	25	51.4	0.0	50	0	1417	0	1417
17+25	25	50.5	0.0	47	0	1464	0	1464
17+50	25	50.6	0.0	47	0	1511	0	1511
17+75	25	52.8	0.0	48	0	1559	0	1559
18+00	25	58.3	0.0	51	0	1610	0	1610
18+25	25	54.5	0.0	52	0	1662	0	1662
18+50	25	52.2	0.0	49	0	1712	0	1712

STAGE 2 MAINLINE EARTHWORK (STA 10+60 - STA 69+50) CONTINUED

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
18+75	25	53.8	0.0	49	0	1761	0	1761
19+00	25	54.2	0.0	50	0	1811	0	1811
19+25	25	54.8	0.0	50	0	1861	0	1861
19+50	25	55.0	0.0	51	0	1912	0	1912
19+75	25	54.6	0.0	51	0	1963	0	1963
20+00	25	52.2	0.0	49	0	2012	0	2012
20+25	25	48.9	0.0	47	0	2059	0	2059
20+50	25	46.1	0.0	44	0	2103	0	2103
20+75	25	43.1	0.0	41	0	2144	0	2144
21+00	25	53.9	0.0	45	0	2189	0	2189
21+25	25	55.6	0.0	51	0	2240	0	2240
21+50	25	59.3	0.0	53	0	2293	0	2293
21+75	25	58.4	0.0	55	0	2348	0	2348
22+00	25	57.9	0.0	54	0	2401	0	2401
22+25	25	55.3	0.0	52	0	2454	0	2454
22+50	25	56.0	0.0	52	0	2505	0	2505
22+75	25	53.5	0.0	51	0	2556	0	2556
23+00	25	56.4	0.0	51	0	2607	0	2607
23+25	25	60.6	0.0	54	0	2661	0	2661
23+50	25	58.9	0.0	55	0	2716	0	2716
23+75	25	59.7	0.0	55	0	2771	0	2771
24+00	25	58.5	0.0	55	0	2826	0	2826
24+25	25	57.6	0.0	54	0	2880	0	2880
24+50	25	56.6	0.0	53	0	2933	0	2933
24+75	25	58.5	0.0	53	0	2986	0	2986
25+00	25	64.0	0.0	57	0	3043	0	3043
25+25	25	62.8	0.0	59	0	3101	0	3101
25+50	25	57.1	0.0	55	0	3157	0	3157
25+75	25	57.1	0.0	53	0	3210	0	3210
26+00	25	53.5	0.0	51	0	3261	0	3261
26+25	25	57.6	0.0	51	0	3312	0	3312
26+50	25	59.3	0.0	54	0	3366	0	3366
26+75	25	55.1	0.0	53	0	3419	0	3419
27+00	25	50.7	0.0	49	0	3468	0	3468
27+25	25	45.3	0.0	44	0	3513	0	3513
27+50	25	47.3	0.0	43	0	3556	0	3556
27+75	25	54.9	0.0	47	0	3603	0	3603
28+00	25	57.2	0.0	52	0	3655	0	3655
28+25	25	56.4	0.0	53	0	3707	0	3707
28+50	25	56.7	0.0	52	0	3760	0	3760
28+75	25	56.1	0.0	52	0	3812	0	3812
29+00	25	53.6	0.0	51	0	3863	0	3863
29+25	25	52.4	0.0	49	0	3912	0	3912
29+50	25	50.9	0.0	48	0	3960	0	3960
29+75	25	50.6	0.0	47	0	4007	0	4007
30+00	25	50.9	0.0	47	0	4054	0	4054
30+25	25	50.7	0.0	47	0	4101	0	4101
30+50	25	51.7	0.0	47	0	4148	0	4148
30+75	25	51.9	0.0	48	0	4196	0	4196
31+00	25	52.4	0.0	48	0	4244	0	4244
31+25	25	52.5	0.0	49	0	4293	0	4293

STAGE 2 MAINLINE EARTHWORK (STA 10+60 - STA 69+50) CONTINUED

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
31+50	25	53.3	0.0	49	0	4342	0	4342
31+75	25	50.1	0.0	48	0	4390	0	4390
32+00	25	53.0	0.0	48	0	4438	0	4438
32+25	25	53.5	0.0	49	0	4487	0	4487
32+50	25	57.1	0.0	51	0	4538	0	4538
32+75	25	57.4	0.0	53	0	4591	0	4591
33+00	25	57.0	0.0	53	0	4644	0	4644
33+25	25	57.1	0.0	53	0	4697	0	4697
33+50	25	50.4	0.0	50	0	4747	0	4747
33+75	25	47.8	0.0	45	0	4792	0	4792
34+00	25	46.1	0.0	43	0	4836	0	4836
34+25	25	52.5	0.0	46	0	4881	0	4881
34+50	25	55.9	0.0	50	0	4931	0	4931
34+75	25	60.4	0.0	54	0	4985	0	4985
35+00	25	66.1	0.0	59	0	5044	0	5044
35+25	25	65.1	0.0	61	0	5105	0	5105
35+50	25	61.9	0.0	59	0	5163	0	5163
35+75	25	59.4	0.0	56	0	5219	0	5219
36+00	25	63.3	0.0	57	0	5276	0	5276
36+25	25	67.9	0.0	61	0	5337	0	5337
36+50	25	71.3	0.0	64	0	5401	0	5401
36+75	25	68.0	0.0	64	0	5466	0	5466
37+00	25	63.7	0.0	61	0	5527	0	5527
37+25	25	68.6	0.0	61	0	5588	0	5588
37+50	25	67.2	0.0	63	0	5651	0	5651
37+75	25	61.5	0.0	60	0	5711	0	5711
38+00	25	62.6	0.0	57	0	5768	0	5768
38+25	25	66.6	0.0	60	0	5828	0	5828
38+50	25	66.0	0.0	61	0	5889	0	5889
38+75	25	61.0	0.0	59	0	5948	0	5948
39+00	25	59.1	0.0	56	0	6004	0	6004
39+25	25	57.5	0.0	54	0	6058	0	6058
39+50	25	58.2	0.0	54	0	6111	0	6111
39+75	25	60.9	0.0	55	0	6166	0	6166
40+00	25	59.5	0.0	56	0	6222	0	6222
40+25	25	59.3	0.0	55	0	6277	0	6277
40+50	25	52.7	0.0	52	0	6329	0	6329
40+75	25	52.0	0.0	48	0	6377	0	6377
41+00	25	51.2	0.0	48	0	6425	0	6425
41+25	25	52.3	0.0	48	0	6473	0	6473
41+50	25	54.3	0.0	49	0	6522	0	6522
41+75	25	54.6	0.0	50	0	6573	0	6573
42+00	25	53.1	0.0	50	0	6623	0	6623
42+25	25	50.9	0.0	48	0	6671	0	6671
42+50	25	47.9	0.0	46	0	6716	0	6716
42+75	25	47.0	0.0	44	0	6760	0	6760
43+00	25	46.6	0.0	43	0	6804	0	6804
43+25	25	45.5	0.0	43	0	6846	0	6846
43+50	25	45.7	0.0	42	0	6889	0	6889
43+75	25	51.3	0.0	45	0	6933	0	6933
44+00	25	49.5	0.0	47	0	6980	0	6980

STAGE 2 MAINLINE EARTHWORK (STA 10+60 - STA 69+50) CONTINUED

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
44+25	25	50.0	0.0	46	0	7026	0	7026
44+50	25	51.4	0.0	47	0	7073	0	7073
44+75	25	53.2	0.0	48	0	7122	0	7122
45+00	25	54.7	0.0	50	0	7171	0	7171
45+25	25	54.5	0.0	51	0	7222	0	7222
45+50	25	53.8	0.0	50	0	7272	0	7272
45+75	25	52.4	0.0	49	0	7321	0	7321
46+00	25	54.2	0.0	49	0	7371	0	7371
46+25	25	57.6	0.0	52	0	7422	0	7422
46+50	25	58.0	0.0	53	0	7476	0	7476
46+75	25	55.3	0.0	52	0	7528	0	7528
47+00	25	55.0	0.0	51	0	7579	0	7579
47+25	25	52.0	0.0	50	0	7629	0	7629
47+50	25	55.6	0.0	50	0	7679	0	7679
47+75	25	58.1	0.0	53	0	7731	0	7731
48+00	25	57.8	0.0	54	0	7785	0	7785
48+25	25	53.5	0.0	52	0	7837	0	7837
48+50	25	49.8	0.0	48	0	7884	0	7884
48+75	25	50.4	0.0	46	0	7931	0	7931
49+00	25	50.8	0.0	47	0	7978	0	7978
49+25	25	51.1	0.0	47	0	8025	0	8025
49+50	25	51.5	0.0	47	0	8072	0	8072
49+75	25	51.8	0.0	48	0	8120	0	8120
50+00	25	52.8	0.0	48	0	8168	0	8168
50+25	25	53.8	0.0	49	0	8218	0	8218
50+50	25	54.1	0.0	50	0	8268	0	8268
50+75	25	52.6	0.0	49	0	8317	0	8317
51+00	25	54.3	0.0	49	0	8367	0	8367
51+25	25	49.7	0.0	48	0	8415	0	8415
51+50	25	51.5	0.0	47	0	8462	0	8462
51+75	25	51.9	0.0	48	0	8510	0	8510
52+00	25	52.9	0.0	49	0	8558	0	8558
52+25	25	53.8	0.0	49	0	8608	0	8608
52+50	25	52.0	0.0	49	0	8657	0	8657
52+75	25	52.8	0.0	49	0	8705	0	8705
53+00	25	53.6	0.0	49	0	8754	0	8754
53+25	25	55.5	0.0	51	0	8805	0	8805
53+50	25	49.4	0.0	49	0	8853	0	8853
53+75	25	40.8	0.0	42	0	8895	0	8895
54+00	25	42.5	0.0	39	0	8934	0	8934
54+25	25	48.4	0.0	42	0	8976	0	8976
54+50	25	55.0	0.0	48	0	9024	0	9024
54+75	25	56.4	0.0	52	0	9075	0	9075
55+00	25	58.0	0.0	53	0	9128	0	9128
55+25	25	56.2	0.0	53	0	9181	0	9181
55+50	25	55.7	0.0	52	0	9233	0	9233
55+75	25	55.7	0.0	52	0	9284	0	9284
56+00	25	56.0	0.0	52	0	9336	0	9336
56+25	25	56.4	0.0	52	0	9388	0	9388
56+50	25	57.2	0.0	53	0	9441	0	9441
56+75	25	59.1	0.0	54	0	9494	0	9494

STAGE 2 MAINLINE EARTHWORK (STA 10+60 - STA 69+50) CONTINUED

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMULATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMULATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
57+00	25	61.1	0.0	56	0	9550	0	9550
57+25	25	63.4	0.0	58	0	9608	0	9608
57+50	25	63.0	0.0	59	0	9666	0	9666
57+75	25	63.8	0.0	59	0	9725	0	9725
58+00	25	62.8	0.0	59	0	9784	0	9784
58+25	25	59.4	0.0	57	0	9840	0	9840
58+50	25	56.4	0.0	54	0	9894	0	9894
58+75	25	54.9	0.0	52	0	9945	0	9945
59+00	25	52.8	0.0	50	0	9995	0	9995
59+25	25	48.6	0.0	47	0	10042	0	10042
59+50	25	47.6	0.0	45	0	10087	0	10087
59+75	25	47.0	0.0	44	0	10130	0	10130
60+00	25	46.0	0.0	43	0	10173	0	10173
60+25	25	46.7	0.0	43	0	10216	0	10216
60+50	25	38.4	0.0	39	0	10256	0	10256
60+75	25	32.3	0.0	33	0	10288	0	10288
61+00	25	33.2	0.0	30	0	10319	0	10319
61+25	25	26.1	0.0	27	0	10346	0	10346
61+50	25	25.5	1.3	24	1	10370	1	10369
61+75	25	26.6	1.0	24	1	10394	2	10392
62+00	25	27.2	2.9	25	2	10419	4	10415
62+25	25	29.3	0.0	26	1	10445	6	10440
62+50	25	30.9	1.2	28	1	10473	6	10467
62+75	25	32.9	0.8	30	1	10503	8	10495
63+00	25	34.8	1.4	31	1	10534	9	10525
63+25	25	39.0	0.0	34	1	10568	10	10559
63+50	25	33.5	0.0	34	0	10602	10	10592
63+75	25	27.9	0.1	28	0	10630	10	10621
64+00	25	25.9	0.2	25	0	10655	10	10645
64+25	25	25.4	0.4	24	0	10679	10	10669
64+50	25	25.9	0.0	24	0	10703	10	10692
64+75	25	27.1	0.0	25	0	10727	10	10717
65+00	25	25.8	0.4	25	0	10752	10	10741
65+25	25	26.5	0.0	24	0	10776	11	10765
65+50	25	29.5	0.0	26	0	10802	11	10791
65+75	25	106.5	0.0	63	0	10865	11	10854
66+00	25	105.6	0.0	98	0	10963	11	10952
66+25	25	104.8	0.0	97	0	11060	11	11050
66+50	25	100.9	0.0	95	0	11156	11	11145
66+75	25	103.0	0.0	94	0	11250	11	11239
67+00	25	102.7	0.0	95	0	11345	11	11335
67+25	25	102.5	0.0	95	0	11440	11	11430
67+50	25	102.3	0.0	95	0	11535	11	11525
67+75	25	102.2	0.0	95	0	11630	11	11619
68+00	25	90.8	0.0	89	0	11719	11	11709
68+25	25	59.4	0.0	70	0	11789	11	11778
68+50	25	87.1	0.0	68	0	11856	11	11846
68+75	25	76.6	0.0	76	0	11932	11	11922
69+00	25	91.4	0.0	78	0	12010	11	11999
69+25	25	92.9	0.0	85	0	12095	11	12084
69+50	25	25.8	0.0	55	0	12150	11	12139
STAGE 2 MAINLINE SUBTOTALS				12150	9	--	--	--

STAGE 2 CROSS STREET INTERSECTIONS EARTHWORK (STA 10+60 - STA 69+50)

STATION - STATION (CROSS STREET)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMULATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMULATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
10+90 - 12+05 (BUTLER & HAMILTON)	770	0	770	0	770
14+63 - 15+04 (HANCOCK)	125	0	895	0	895
17+26 - 17+67 (FRANKLIN)	95	0	990	0	990
20+59 - 21+00 (BLAIR)	105	0	1095	0	1095
27+17 - 27+62 (BLOUNT)	65	0	1160	0	1160
33+77 - 34+24 (LIVINGSTON)	180	0	1340	0	1340
40+40 - 40+84 (PATERSON)	110	0	1450	0	1450
47+02 - 47+45 (BREARLY)	75	0	1525	0	1525
53+65 - 54+03 (INGERSOLL)	70	0	1595	0	1595
60+26 - 60+67 (FEW)	55	0	1650	0	1650
64+62 - 69+50 (BALDWIN & GORHAM)	670	0	2320	0	2320
STAGE 2 CROSS STREET INTERSECTIONS SUBTOTALS	2320	0			
STAGE 2 TOTALS	**14470**	**9**	--	--	--

STAGE 3 MAINLINE EARTHWORK (STA 12+25 - STA 65+75)

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMULATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMULATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
12+25	25	43.0	0.0	0	0	0	0	0
12+50	25	41.2	0.0	39	0	39	0	39
12+75	25	39.9	0.0	38	0	76	0	76
13+00	25	40.7	0.0	37	0	114	0	114
13+25	25	41.3	0.0	38	0	152	0	152
13+50	25	40.5	0.0	38	0	190	0	190
13+75	25	42.3	0.0	38	0	228	0	228
14+00	25	44.0	0.0	40	0	268	0	268
14+25	25	34.0	0.0	36	0	304	0	304
14+50	25	43.4	0.0	36	0	340	0	340
14+75	25	24.8	0.0	32	0	371	0	371
15+00	25	21.0	0.0	21	0	393	0	393
15+25	25	40.9	0.0	29	0	421	0	421
15+50	25	44.0	0.0	39	0	461	0	461
15+75	25	43.0	0.0	40	0	501	0	501
16+00	25	39.1	0.0	38	0	539	0	539
16+25	25	38.2	0.0	36	0	575	0	575
16+50	25	41.3	0.0	37	0	611	0	611
16+75	25	40.4	0.0	38	0	649	0	649
17+00	25	37.4	0.0	36	0	685	0	685
17+25	25	22.0	0.0	27	0	713	0	713
17+50	25	20.9	0.0	20	0	733	0	733
17+75	25	34.7	0.0	26	0	758	0	758
18+00	25	42.4	0.0	36	0	794	0	794
18+25	25	40.1	0.0	38	0	832	0	832
18+50	25	40.5	0.0	37	0	870	0	870
18+75	25	39.8	0.0	37	0	907	0	907
19+00	25	40.6	0.0	37	0	944	0	944
19+25	25	40.0	0.0	37	0	981	0	981
19+50	25	42.5	0.0	38	0	1019	0	1019
19+75	25	42.3	0.0	39	0	1059	0	1059
20+00	25	39.6	0.0	38	0	1097	0	1097
20+25	25	34.6	0.0	34	0	1131	0	1131

STAGE 3 MAINLINE EARTHWORK (STA 12+25 - STA 65+75) CONTINUED

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
20+50	25	34.0	0.0	32	0	1163	0	1163
20+75	25	35.0	0.0	32	0	1195	0	1195
21+00	25	36.0	0.0	33	0	1228	0	1228
21+25	25	40.0	0.0	35	0	1263	0	1263
21+50	25	43.1	0.0	38	0	1301	0	1301
21+75	25	41.2	0.0	39	0	1340	0	1340
22+00	25	39.0	0.0	37	0	1377	0	1377
22+25	25	36.8	0.0	35	0	1412	0	1412
22+50	25	38.8	0.0	35	0	1447	0	1447
22+75	25	35.6	0.0	34	0	1482	0	1482
23+00	25	37.7	0.0	34	0	1516	0	1516
23+25	25	41.9	0.0	37	0	1553	0	1553
23+50	25	39.3	0.0	38	0	1590	0	1590
23+75	25	41.3	0.0	37	0	1628	0	1628
24+00	25	40.9	0.0	38	0	1666	0	1666
24+25	25	42.9	0.0	39	0	1704	0	1704
24+50	25	37.4	0.0	37	0	1742	0	1742
24+75	25	39.3	0.0	35	0	1777	0	1777
25+00	25	44.6	0.0	39	0	1816	0	1816
25+25	25	43.8	0.0	41	0	1857	0	1857
25+50	25	42.2	0.0	40	0	1897	0	1897
25+75	25	41.6	0.0	39	0	1935	0	1935
26+00	25	37.6	0.0	37	0	1972	0	1972
26+25	25	42.7	0.0	37	0	2009	0	2009
26+50	25	43.7	0.0	40	0	2049	0	2049
26+75	25	40.7	0.0	39	0	2088	0	2088
27+00	25	37.0	0.0	36	0	2124	0	2124
27+25	25	36.5	0.0	34	0	2158	0	2158
27+50	25	37.0	0.0	34	0	2192	0	2192
27+75	25	37.4	0.0	34	0	2227	0	2227
28+00	25	38.6	0.0	35	0	2262	0	2262
28+25	25	40.1	0.0	36	0	2298	0	2298
28+50	25	40.1	0.0	37	0	2336	0	2336
28+75	25	38.1	0.0	36	0	2372	0	2372
29+00	25	41.6	0.0	37	0	2409	0	2409
29+25	25	40.7	0.0	38	0	2447	0	2447
29+50	25	40.5	0.0	38	0	2484	0	2484
29+75	25	40.4	0.0	37	0	2522	0	2522
30+00	25	37.3	0.0	36	0	2558	0	2558
30+25	25	38.3	0.0	35	0	2593	0	2593
30+50	25	39.6	0.0	36	0	2629	0	2629
30+75	25	37.9	0.0	36	0	2665	0	2665
31+00	25	35.9	0.0	34	0	2699	0	2699
31+25	25	37.5	0.0	34	0	2733	0	2733
31+50	25	36.3	0.0	34	0	2767	0	2767
31+75	25	35.7	0.0	33	0	2800	0	2800
32+00	25	32.6	0.0	32	0	2832	0	2832
32+25	25	35.8	0.0	32	0	2864	0	2864
32+50	25	40.2	0.0	35	0	2899	0	2899
32+75	25	43.8	0.0	39	0	2938	0	2938
33+00	25	43.4	0.0	40	0	2978	0	2978

STAGE 3 MAINLINE EARTHWORK (STA 12+25 - STA 65+75) CONTINUED

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
33+25	25	45.8	0.0	41	0	3019	0	3019
33+50	25	41.6	0.0	40	0	3060	0	3060
33+75	25	39.0	0.0	37	0	3097	0	3097
34+00	25	24.3	0.0	29	0	3126	0	3126
34+25	25	34.0	0.0	27	0	3153	0	3153
34+50	25	32.3	0.0	31	0	3184	0	3184
34+75	25	47.3	0.0	37	0	3221	0	3221
35+00	25	52.0	0.0	46	0	3267	0	3267
35+25	25	50.7	0.0	48	0	3314	0	3314
35+50	25	47.4	0.0	45	0	3360	0	3360
35+75	25	46.3	0.0	43	0	3403	0	3403
36+00	25	49.6	0.0	44	0	3448	0	3448
36+25	25	52.8	0.0	47	0	3495	0	3495
36+50	25	54.5	0.0	50	0	3545	0	3545
36+75	25	52.1	0.0	49	0	3594	0	3594
37+00	25	34.4	0.0	40	0	3634	0	3634
37+25	25	36.3	0.0	33	0	3667	0	3667
37+50	25	37.1	0.0	34	0	3701	0	3701
37+75	25	36.7	0.0	34	0	3735	0	3735
38+00	25	32.4	0.0	32	0	3767	0	3767
38+25	25	50.6	0.0	38	0	3805	0	3805
38+50	25	48.0	0.0	46	0	3851	0	3851
38+75	25	46.5	0.0	44	0	3895	0	3895
39+00	25	43.6	0.0	42	0	3937	0	3937
39+25	25	42.7	0.0	40	0	3976	0	3976
39+50	25	47.4	0.0	42	0	4018	0	4018
39+75	25	51.0	0.0	46	0	4064	0	4064
40+00	25	49.1	0.0	46	0	4110	0	4110
40+25	25	46.2	0.0	44	0	4154	0	4154
40+50	25	51.0	0.0	45	0	4199	0	4199
40+75	25	49.0	0.0	46	0	4245	0	4245
41+00	25	42.7	0.0	42	0	4288	0	4288
41+25	25	42.3	0.0	39	0	4327	0	4327
41+50	25	41.6	0.0	39	0	4366	0	4366
41+75	25	42.8	0.0	39	0	4405	0	4405
42+00	25	41.4	0.0	39	0	4444	0	4444
42+25	25	39.5	0.0	37	0	4481	0	4481
42+50	25	39.1	0.0	36	0	4518	0	4518
42+75	25	38.9	0.0	36	0	4554	0	4554
43+00	25	39.5	0.0	36	0	4590	0	4590
43+25	25	37.4	0.0	36	0	4626	0	4626
43+50	25	39.4	0.0	36	0	4661	0	4661
43+75	25	41.0	0.0	37	0	4699	0	4699
44+00	25	39.2	0.0	37	0	4736	0	4736
44+25	25	36.5	0.0	35	0	4771	0	4771
44+50	25	33.5	0.0	32	0	4803	0	4803
44+75	25	33.8	0.0	31	0	4834	0	4834
45+00	25	32.7	0.0	31	0	4865	0	4865
45+25	25	28.0	0.0	28	0	4893	0	4893
45+50	25	29.5	0.0	27	0	4920	0	4920
45+75	25	32.6	0.0	29	0	4949	0	4949

STAGE 3 MAINLINE EARTHWORK (STA 12+25 - STA 65+75) CONTINUED

STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
46+00	25	35.2	0.0	31	0	4980	0	4980
46+25	25	38.2	0.5	34	0	5014	0	5014
46+50	25	40.0	0.0	36	0	5050	1	5049
46+75	25	40.4	0.8	37	0	5087	1	5086
47+00	25	44.0	0.0	39	0	5126	1	5125
47+25	25	40.0	0.0	39	0	5165	1	5164
47+50	25	32.4	0.0	34	0	5199	1	5197
47+75	25	32.3	0.0	30	0	5229	1	5227
48+00	25	42.7	0.0	35	0	5263	1	5262
48+25	25	38.3	0.0	38	0	5301	1	5300
48+50	25	33.1	0.5	33	0	5334	2	5332
48+75	25	34.3	0.0	31	0	5365	2	5363
49+00	25	36.1	0.0	33	0	5398	2	5396
49+25	25	36.7	0.0	34	0	5431	2	5430
49+50	25	35.7	0.0	34	0	5465	2	5463
49+75	25	33.3	0.0	32	0	5497	2	5495
50+00	25	35.4	0.0	32	0	5529	2	5527
50+25	25	37.4	0.4	34	0	5563	2	5560
50+50	25	37.1	0.0	34	0	5597	2	5595
50+75	25	35.6	0.0	34	0	5631	2	5628
51+00	25	37.5	0.0	34	0	5665	2	5662
51+25	25	37.4	0.0	35	0	5699	2	5697
51+50	25	38.1	0.2	35	0	5734	3	5732
51+75	25	38.5	0.0	35	0	5770	3	5767
52+00	25	38.7	0.0	36	0	5805	3	5803
52+25	25	37.4	0.0	35	0	5841	3	5838
52+50	25	36.5	0.0	34	0	5875	3	5872
52+75	25	34.9	0.0	33	0	5908	3	5905
53+00	25	35.9	0.0	33	0	5941	3	5938
53+25	25	37.2	0.8	34	0	5975	3	5971
53+50	25	27.1	0.5	30	1	6004	4	6000
53+75	25	28.0	0.0	26	0	6030	4	6026
54+00	25	29.0	0.0	26	0	6056	4	6052
54+25	25	28.2	1.3	26	1	6083	5	6078
54+50	25	41.2	0.0	32	1	6115	6	6109
54+75	25	39.5	0.0	37	0	6152	6	6147
55+00	25	39.8	0.2	37	0	6189	6	6183
55+25	25	39.2	0.2	37	0	6225	6	6220
55+50	25	39.6	0.0	37	0	6262	6	6256
55+75	25	39.2	0.0	37	0	6298	6	6292
56+00	25	40.5	0.0	37	0	6335	6	6329
56+25	25	41.7	0.0	38	0	6373	6	6367
56+50	25	44.6	0.0	40	0	6413	6	6407
56+75	25	51.0	0.0	44	0	6458	6	6452
57+00	25	46.1	0.0	45	0	6503	6	6497
57+25	25	44.3	0.0	42	0	6544	6	6538
57+50	25	42.5	0.0	40	0	6584	6	6579
57+75	25	44.2	0.0	40	0	6625	6	6619
58+00	25	43.8	0.0	41	0	6665	6	6659
58+25	25	42.3	0.0	40	0	6705	6	6699
58+50	25	40.3	0.5	38	0	6743	6	6737
58+75	25	40.8	0.0	38	0	6781	6	6774
59+00	25	38.7	0.2	37	0	6818	7	6811
59+25	25	36.9	0.0	35	0	6853	7	6846

STAGE 3 MAINLINE EARTHWORK (STA 12+25 - STA 65+75) CONTINUED

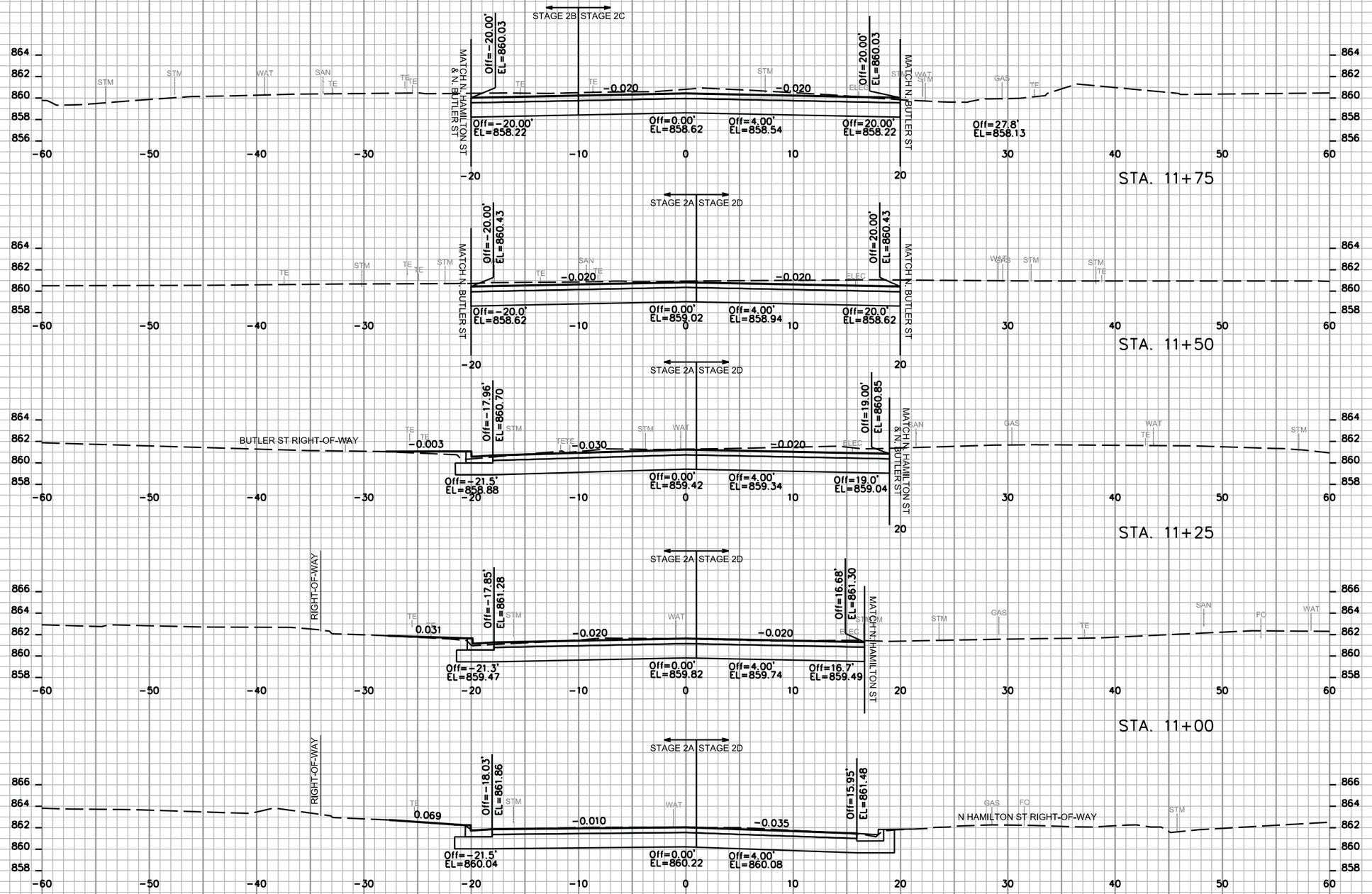
STATION	DISTANCE (LF)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
59+50	25	33.8	0.0	33	0	6885	7	6879
59+75	25	35.2	0.0	32	0	6917	7	6911
60+00	25	36.0	0.0	33	0	6950	7	6944
60+25	25	21.1	0.0	26	0	6977	7	6970
60+50	25	32.0	0.0	25	0	7001	7	6995
60+75	25	29.8	0.0	29	0	7030	7	7023
61+00	25	28.0	0.0	27	0	7057	7	7050
61+25	25	21.8	1.2	23	1	7080	7	7072
61+50	25	20.0	1.4	19	1	7099	9	7090
61+75	25	23.4	0.0	20	1	7119	10	7110
62+00	25	23.9	0.0	22	0	7141	10	7131
62+25	25	26.0	0.0	23	0	7164	10	7155
62+50	25	27.0	0.0	25	0	7189	10	7179
62+75	25	31.8	0.4	27	0	7216	10	7206
63+00	25	35.6	0.0	31	0	7247	10	7237
63+25	25	35.1	0.0	33	0	7280	10	7270
63+50	25	34.0	0.0	32	0	7312	10	7302
63+75	25	34.2	0.0	32	0	7343	10	7333
64+00	25	34.9	0.0	32	0	7375	10	7365
64+25	25	31.4	0.0	31	0	7406	10	7396
64+50	25	30.6	0.0	29	0	7435	10	7425
64+75	25	33.2	0.0	30	0	7464	10	7454
65+00	25	29.8	0.0	29	0	7493	10	7483
65+25	25	48.1	0.0	36	0	7530	10	7520
65+50	25	64.9	0.0	52	0	7582	10	7572
65+75	25	73.5	0.0	64	0	7646	10	7636
STAGE 3 MAINLINE SUBTOTALS				7646	8	--	--	--

STAGE 3 CROSS STREET INTERSECTIONS EARTHWORK (STA 12+25 - STA 65+75)

STATION - STATION (CROSS STREET)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
14+63 - 15+04 (HANCOCK)	--	--	135	0	135	0	135
17+26 - 17+67 (FRANKLIN)	--	--	130	0	265	0	265
20+59 - 21+00 (BLAIR)	--	--	175	0	440	0	440
27+17 - 27+62 (BLOUNT)	--	--	130	0	570	0	570
33+77 - 34+24 (LIVINGSTON)	--	--	125	0	695	0	695
40+40 - 40+84 (PATERSON)	--	--	95	0	790	0	790
47+02 - 47+45 (BREARLY)	--	--	130	0	920	0	920
53+65 - 54+03 (INGERSOLL)	--	--	120	0	1040	0	1040
60+26 - 60+67 (FEW)	--	--	75	0	1115	0	1115
STAGE 3 CROSS STREET INTERSECTIONS SUBTOTALS			1115	0		0	
STAGE 3 TOTALS			**8761**	**8**	--	--	--

STAGE 4 MAINLINE EARTHWORK (STA 34+25 - STA 61+00)

STATION - STATION (CROSS STREET)	AREA CUT (SF)	AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	CUMUMLATIVE VOLUME CUT FACTOR 1.0 (CY)	CUMUMLATIVE VOLUME EXPANDED FILL FACTOR 1.2 (CY)	MASS ORD. (CY)
34+25 - 34+70	--	--	2	0	2	0	2
36+75 - 38+25	--	--	9	0	11	0	11
47+45 - 47+90	--	--	3	0	14	0	14
53+25 - 53+65	--	--	2	0	16	0	16
60+65 - 60+95	--	--	1	0	17	0	17
STAGE 4 TOTALS			**17**	**0**	--	--	--

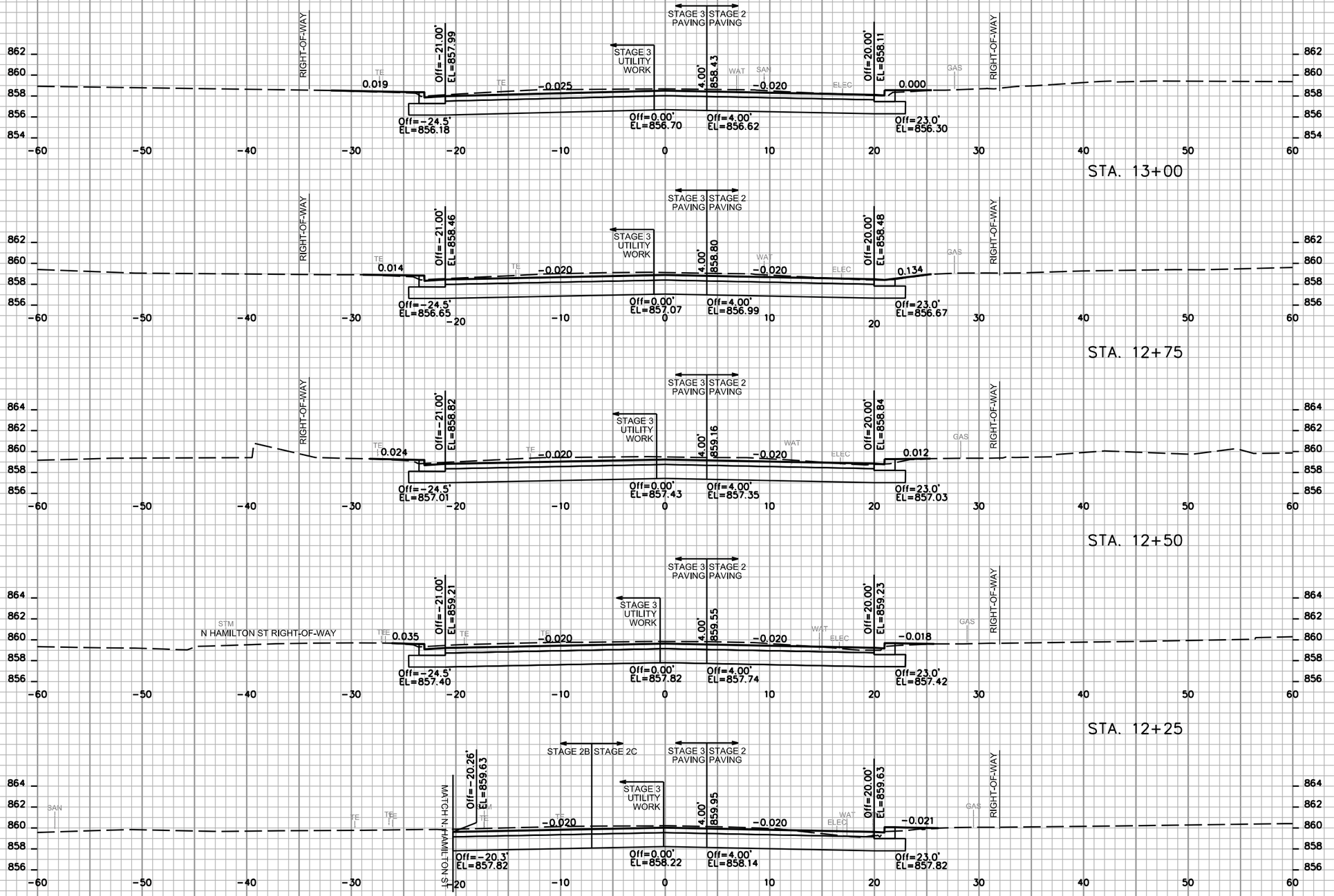


NOTES:

1. GRADING LIMITS AS SHOWN ON THESE CROSS SECTIONS MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS AND TO AVOID EXISTING TREES.

2. THE TRAFFIC CONTROL PLAN INCLUDES SUB-STAGES AT THE INTERSECTIONS IN ORDER TO MAINTAIN CROSS TRAFFIC. SEE TRAFFIC CONTROL PLANS FOR INFORMATION RELATED TO THE SUB-STAGES.

3. THESE CROSS SECTIONS REFLECT FINAL CURB LOCATIONS. THE CURB AT BUMPOUTS ON THE SOUTH (RIGHT) SIDE WILL BE CONSTRUCTED DURING STAGE 4; THE BUMPOUT AREAS ON THE RIGHT SIDE WILL BE PAVED TO THE EXISTING CURB LOCATIONS DURING PHASE 2 AS INDICATED ON THE TRAFFIC CONTORL PLANS.



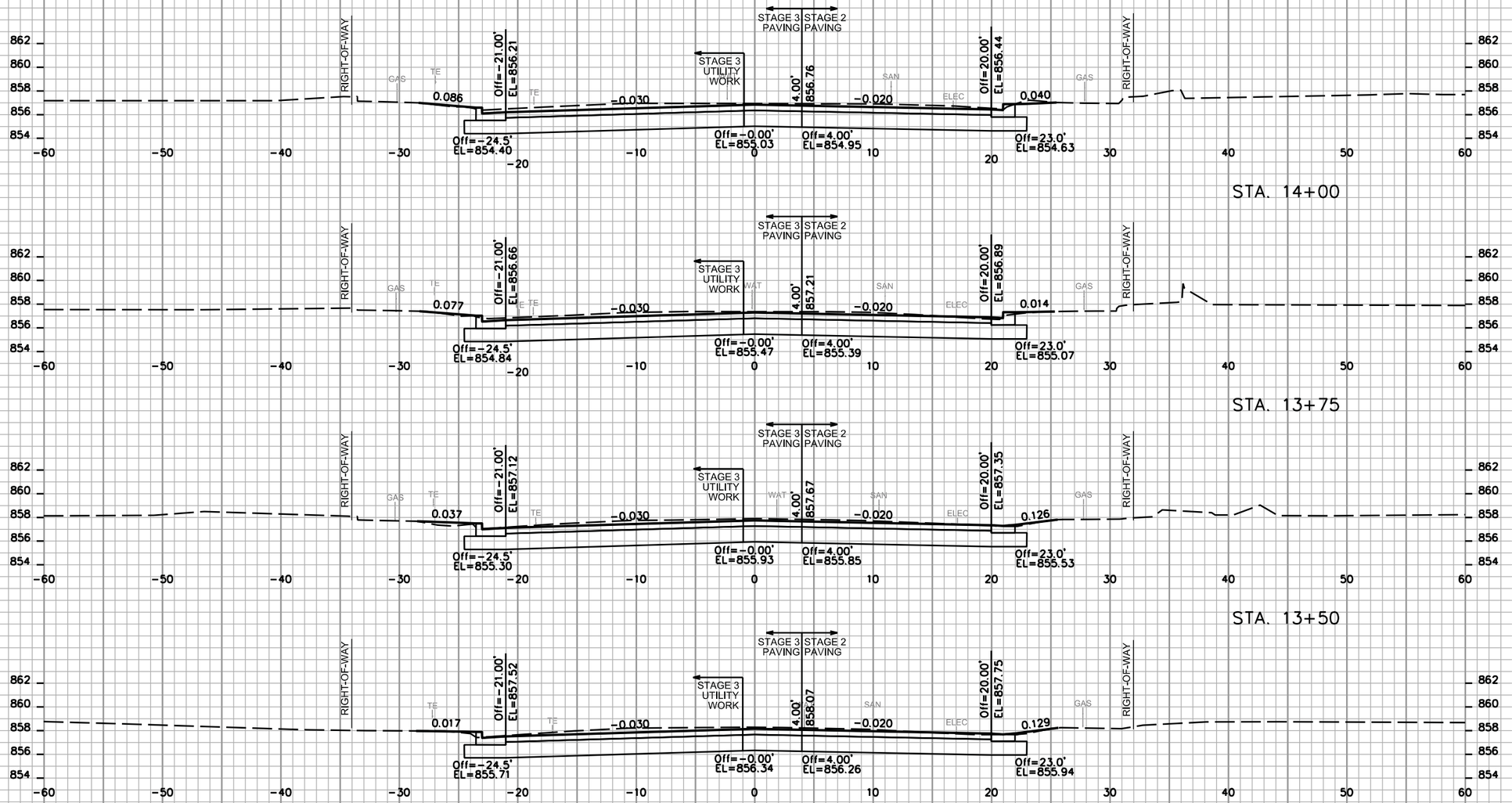
NOTES:

1. GRADING LIMITS AS SHOWN ON THESE CROSS SECTIONS MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS AND TO AVOID EXISTING TREES.

2. THE TRAFFIC CONTROL PLAN INCLUDES SUB-STAGES AT THE INTERSECTIONS IN ORDER TO MAINTAIN CROSS TRAFFIC. SEE TRAFFIC CONTROL PLANS FOR INFORMATION RELATED TO THE SUB-STAGES.

3. THESE CROSS SECTIONS REFLECT FINAL CURB LOCATIONS. THE CURB AT BUMPOUTS ON THE SOUTH (RIGHT) SIDE WILL BE CONSTRUCTED DURING STAGE 4; THE BUMPOUT AREAS ON THE RIGHT SIDE WILL BE PAVED TO THE EXISTING CURB LOCATIONS DURING PHASE 2 AS INDICATED ON THE TRAFFIC CONTORL PLANS.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 418	E



NOTES:

1. GRADING LIMITS AS SHOWN ON THESE CROSS SECTIONS MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS AND TO AVOID EXISTING TREES.

2. THE TRAFFIC CONTROL PLAN INCLUDES SUB-STAGES AT THE INTERSECTIONS IN ORDER TO MAINTAIN CROSS TRAFFIC. SEE TRAFFIC CONTROL PLANS FOR INFORMATION RELATED TO THE SUB-STAGES.

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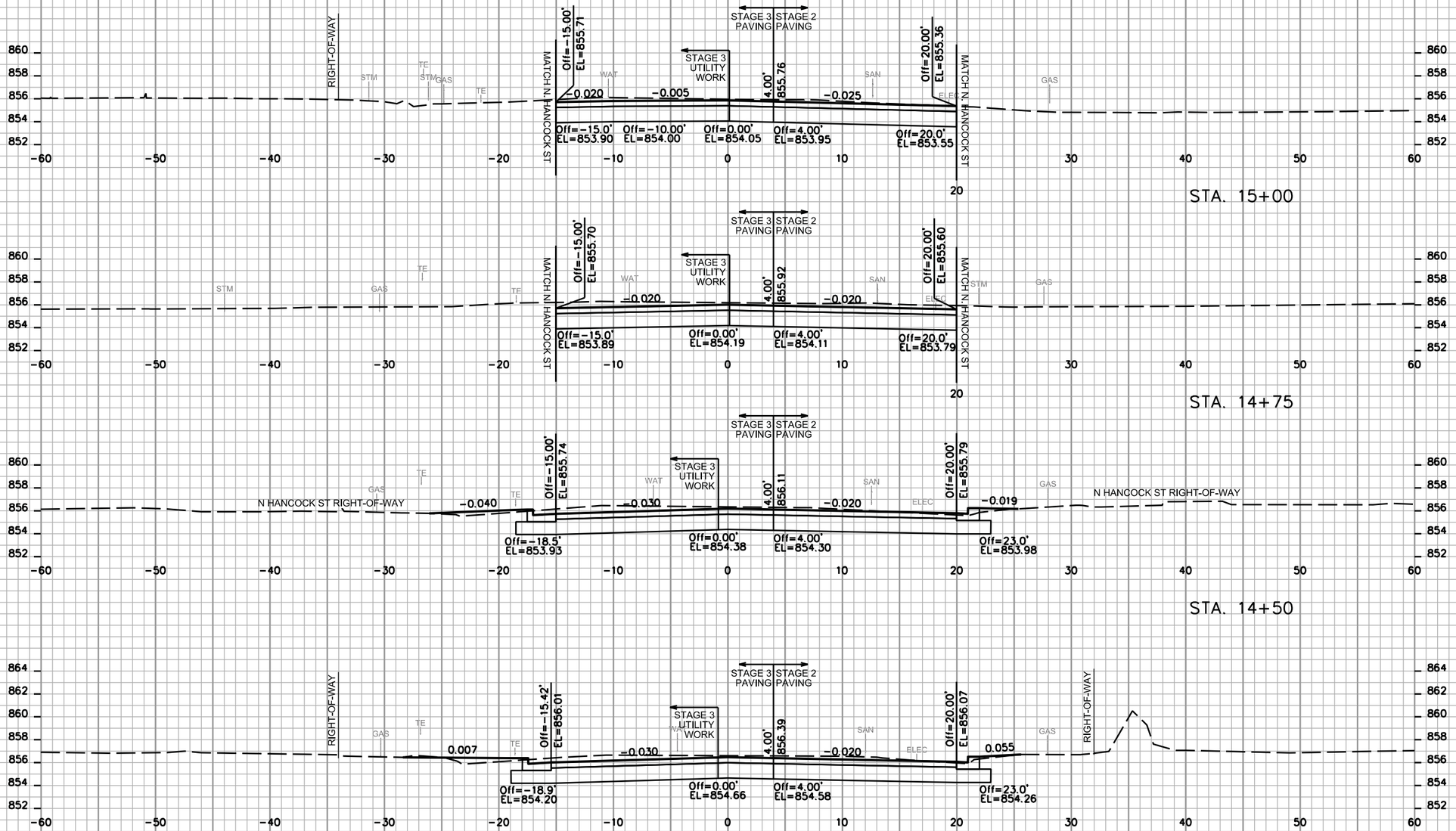
9

9

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 419	E



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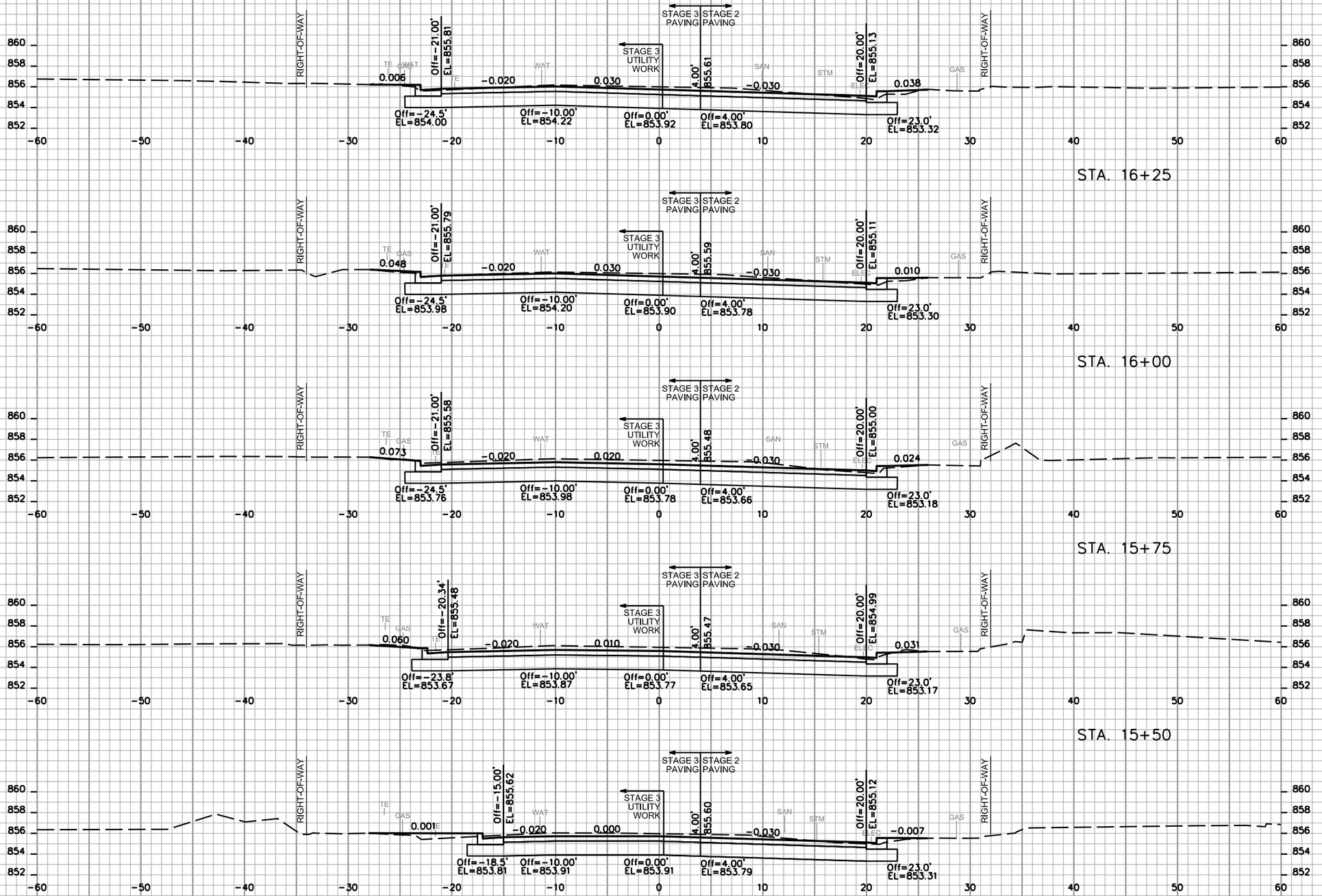
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 420	E



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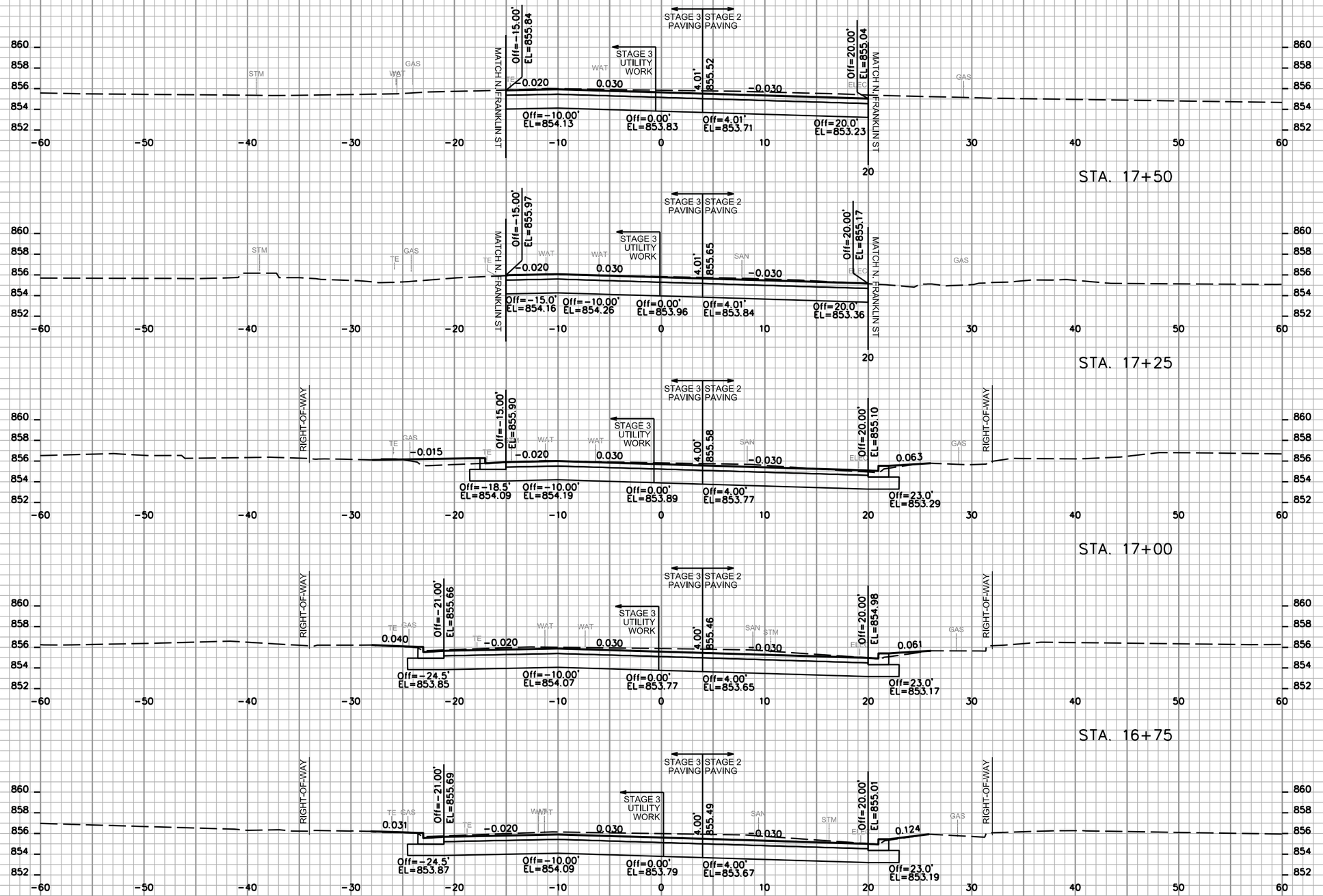
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 421 E



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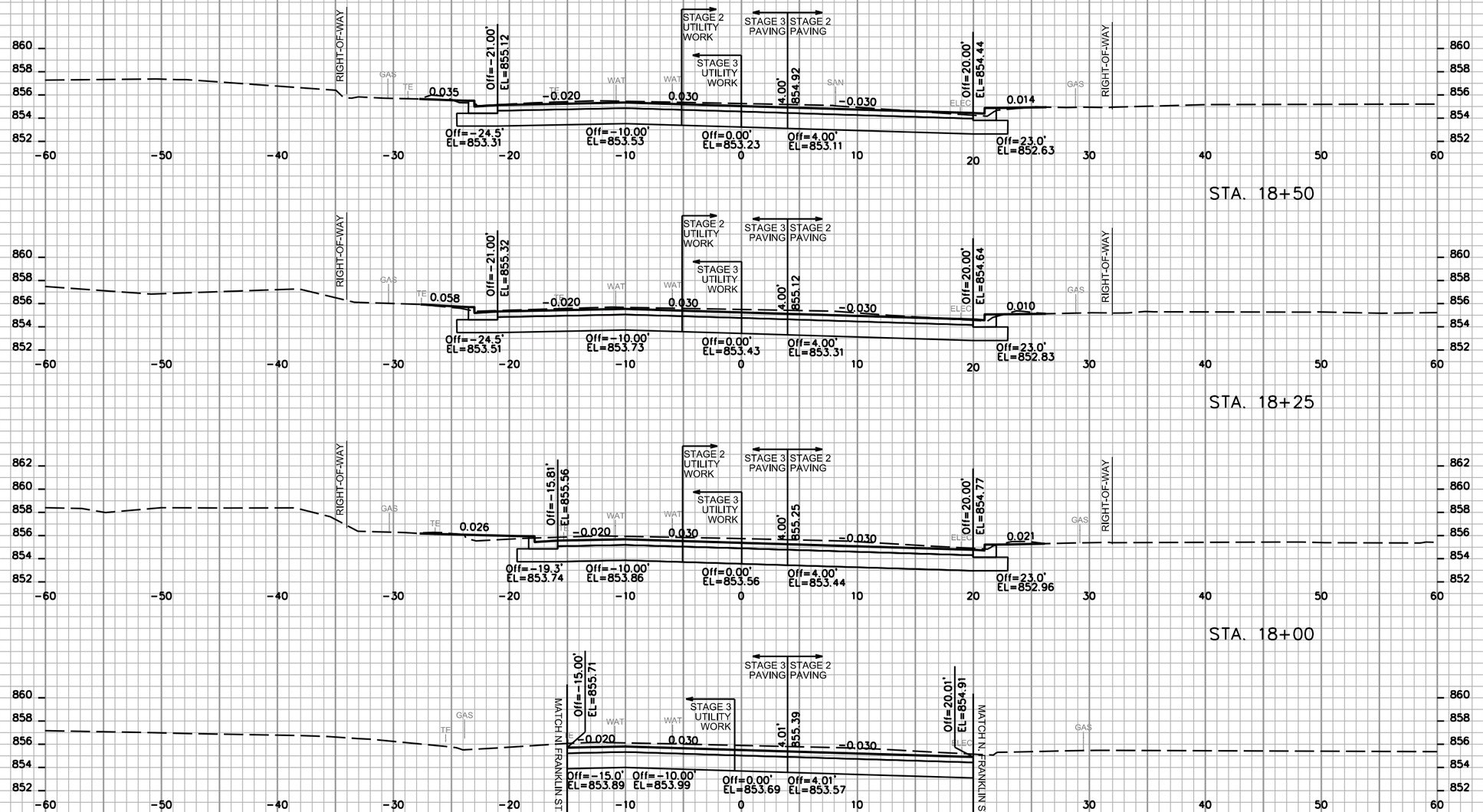
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 422	E



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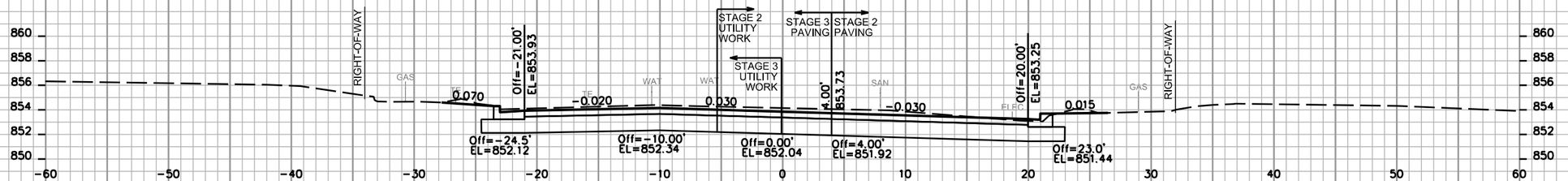
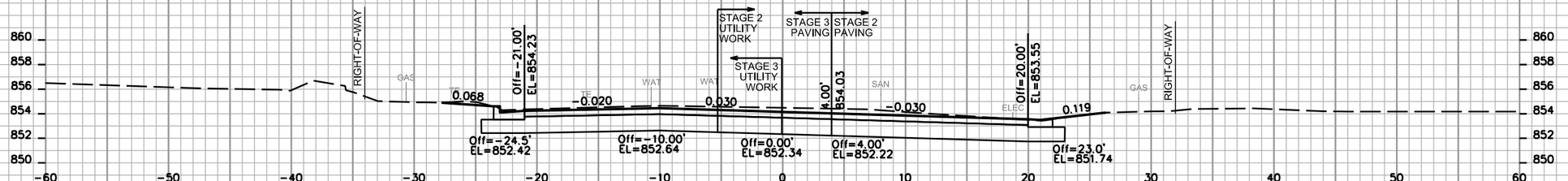
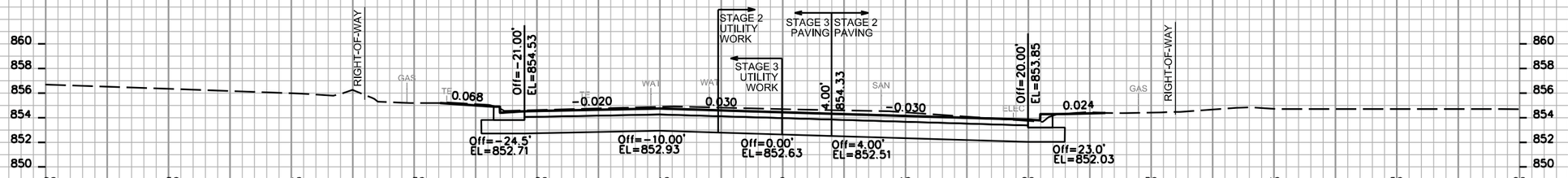
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 423	E



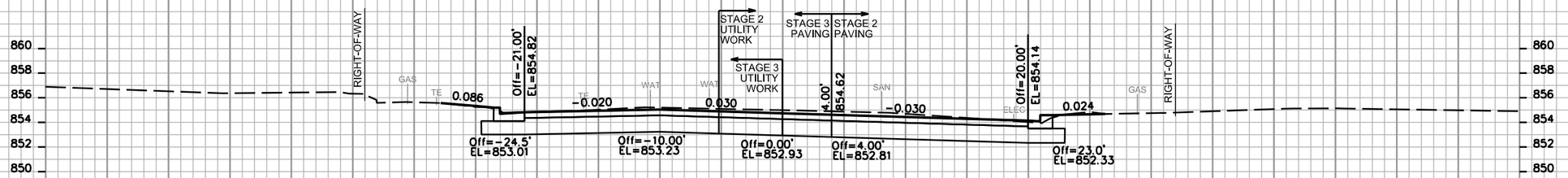
STA. 19+50



STA. 19+25



STA. 19+00



STA. 18+75

NOTES:
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10 FT
10 FT

9

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PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 424	E

NOTES:

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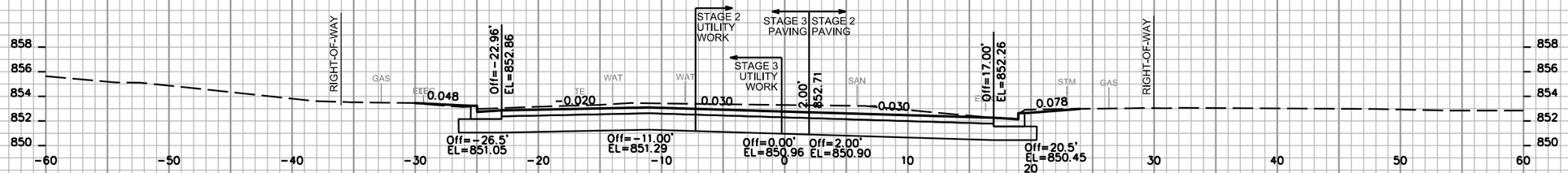
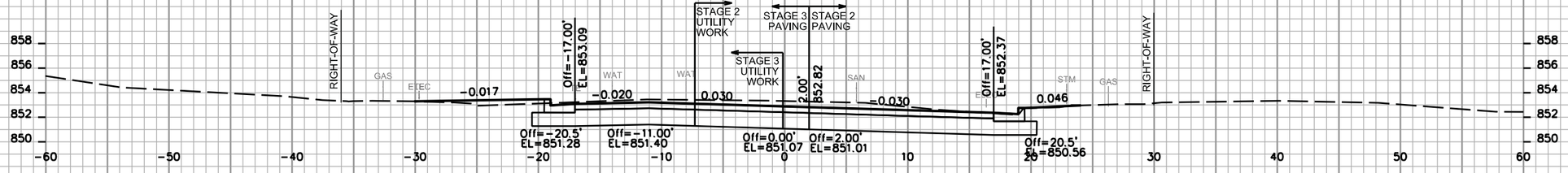
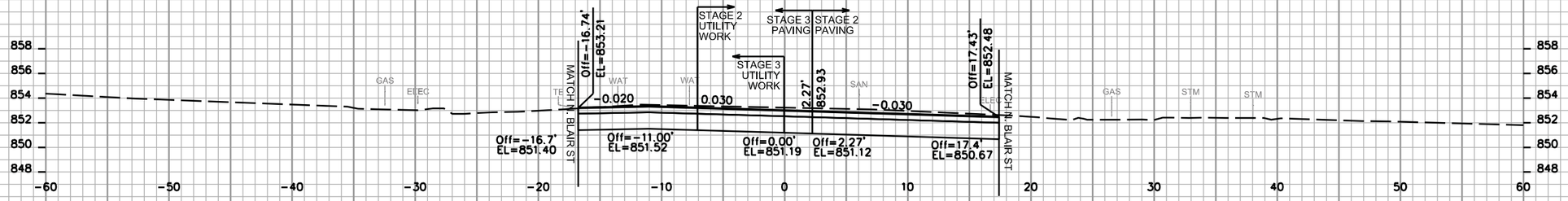
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 425	E



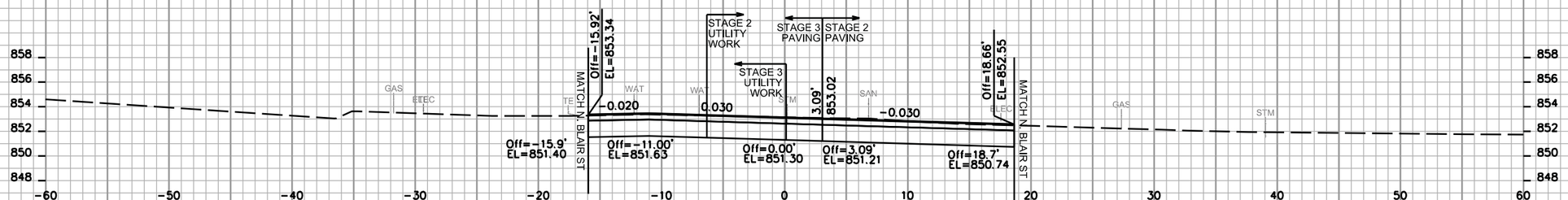
STA. 21+50



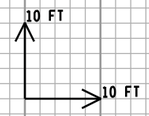
STA. 21+25



STA. 21+00



STA. 20+75



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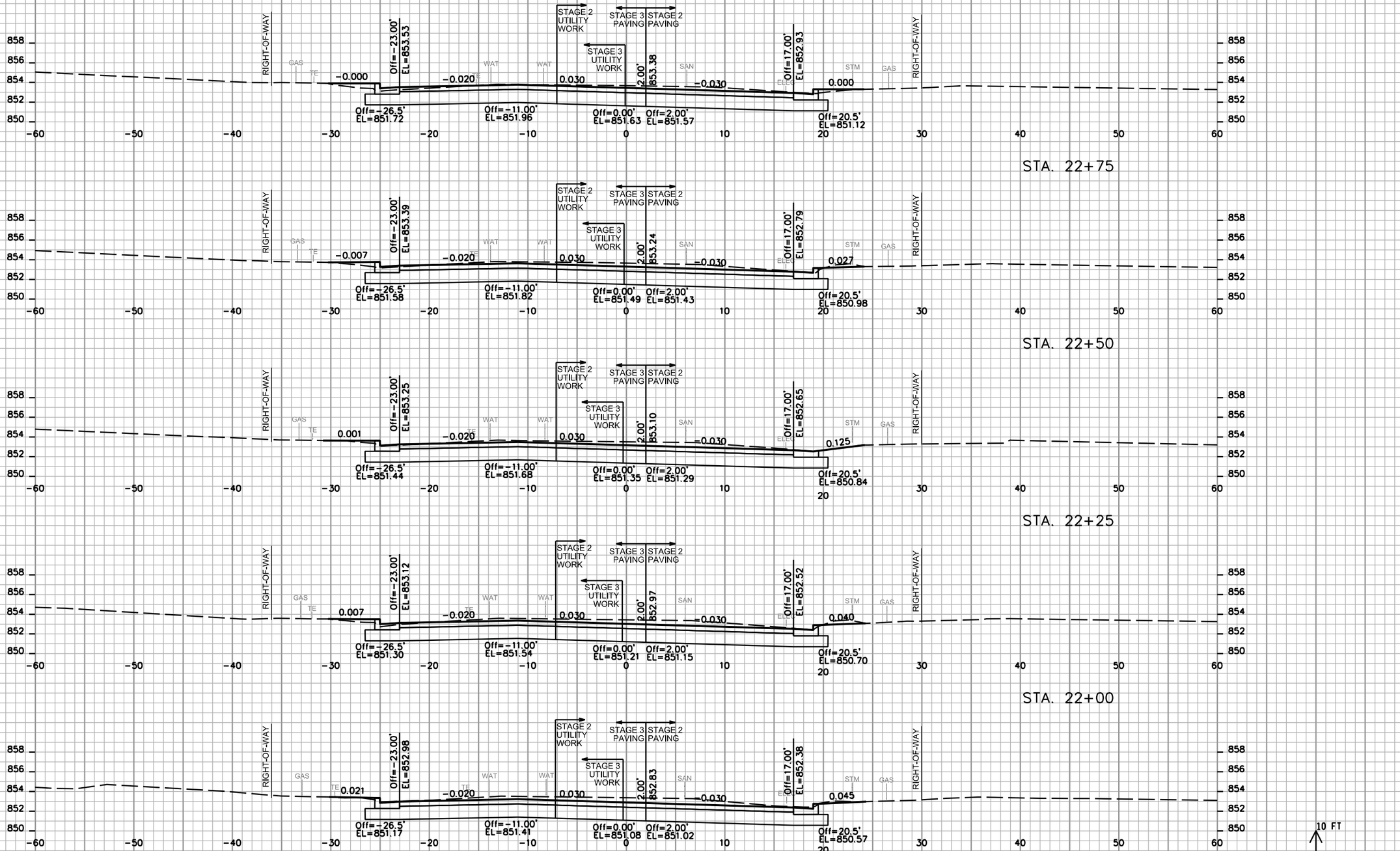
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET	E

FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\53W0740XSection_Final.dgn
PLOT DATE : 11/25/2013
PLOT BY : enjmw
PLOT NAME :
PLOT SCALE : 10.0000 sf / in.
WISDOT/CADDS SHEET 21



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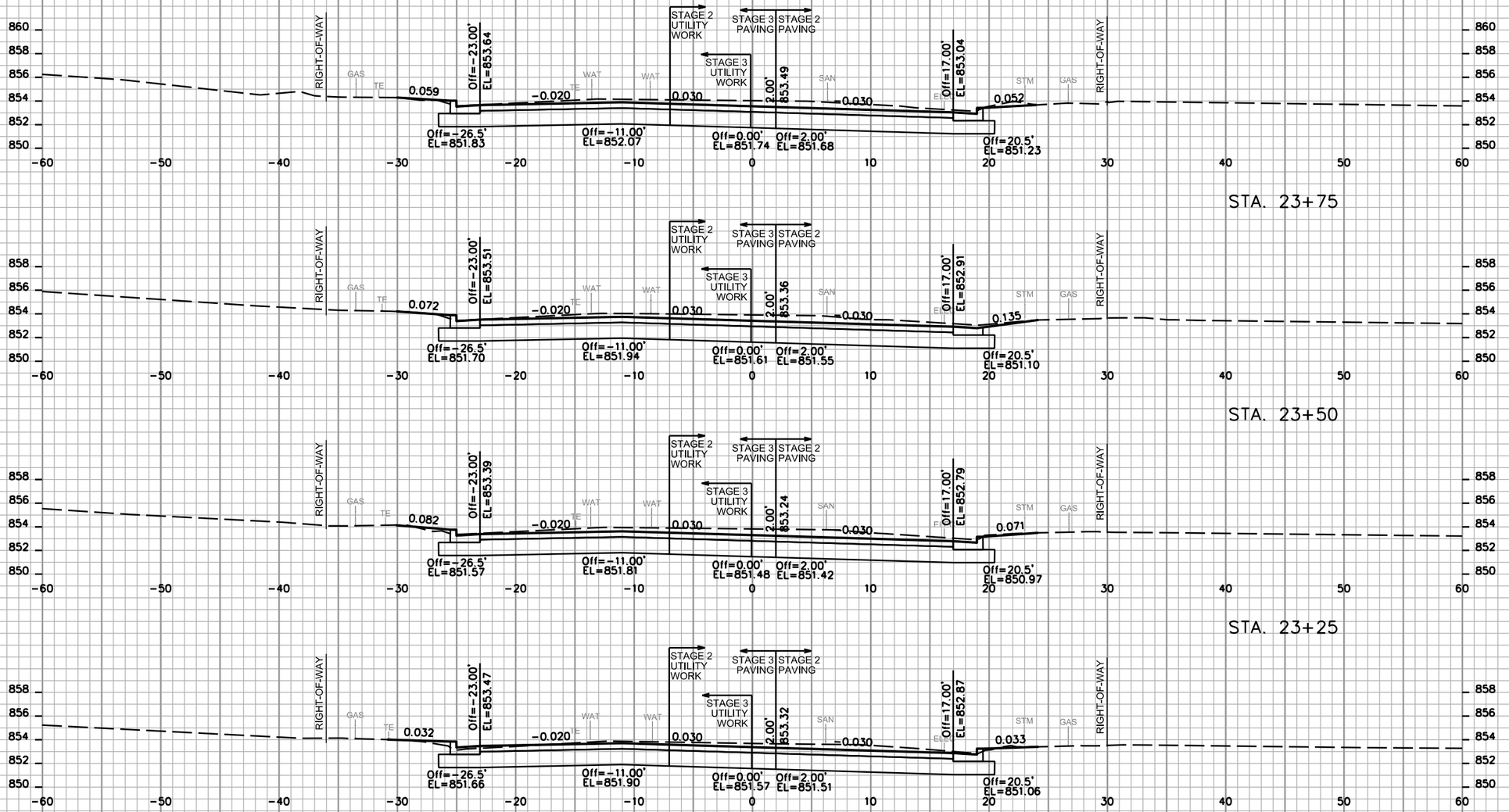
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 427	E



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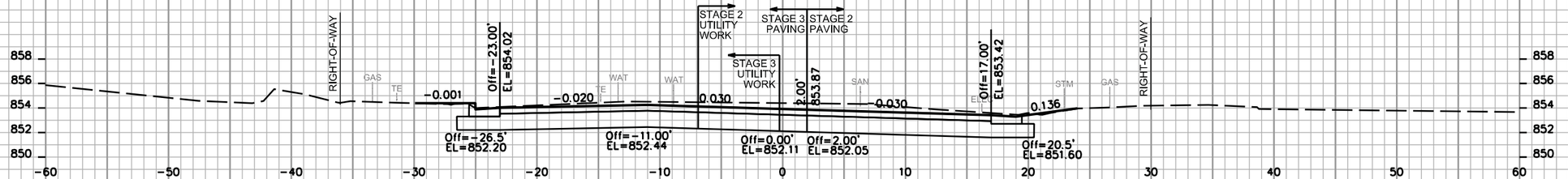
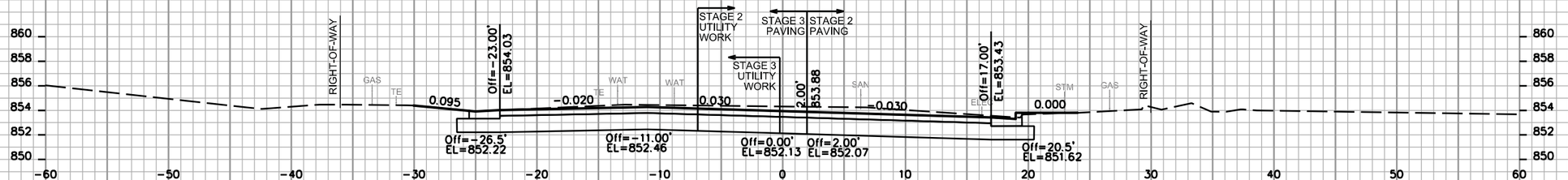
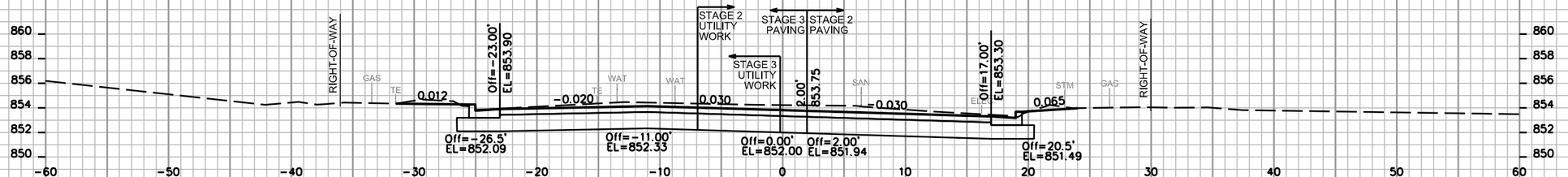
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 428	E



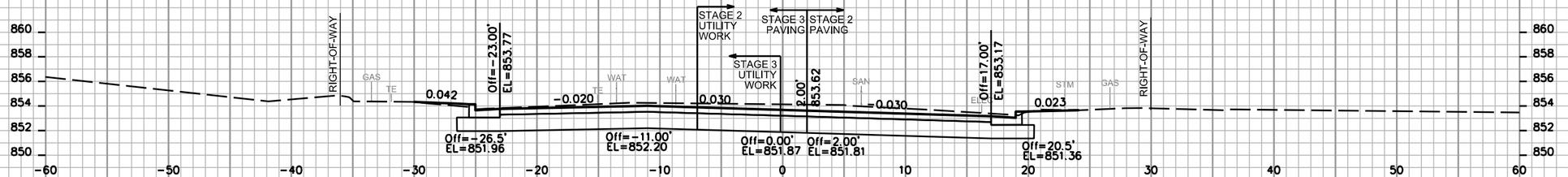
STA. 24+75



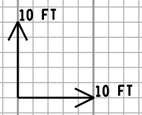
STA. 24+50



STA. 24+25



STA. 24+00



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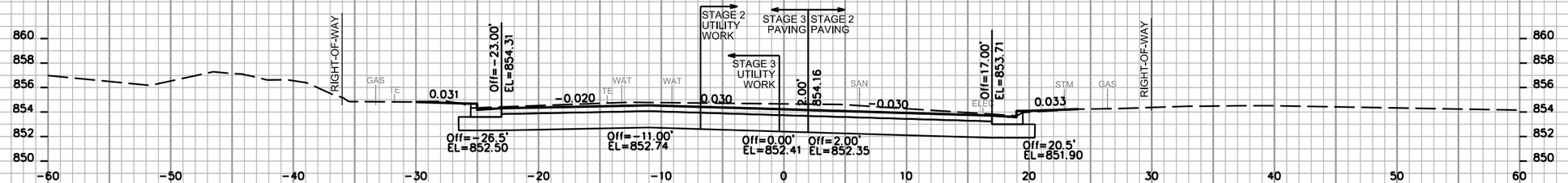
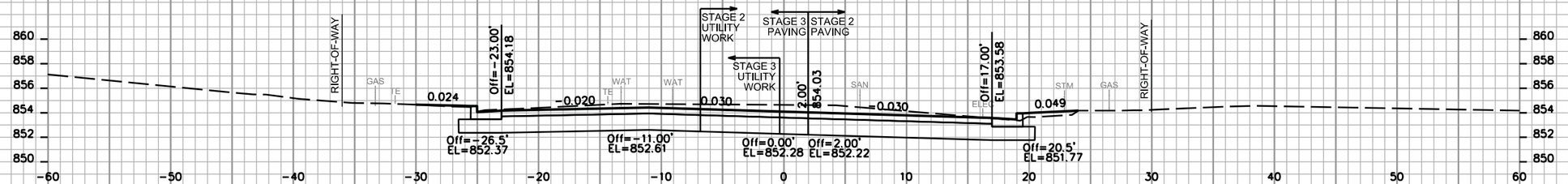
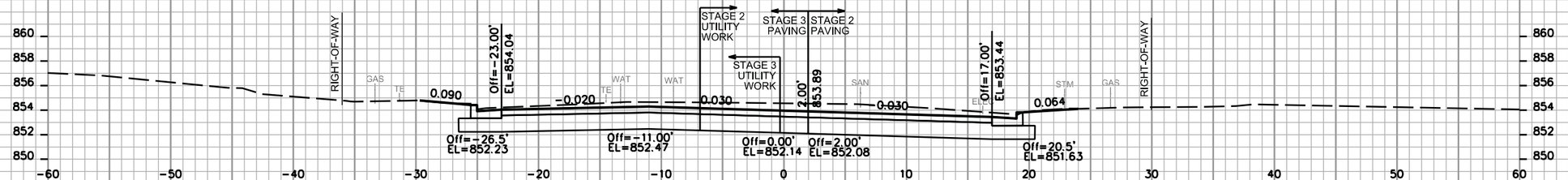
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 429	E



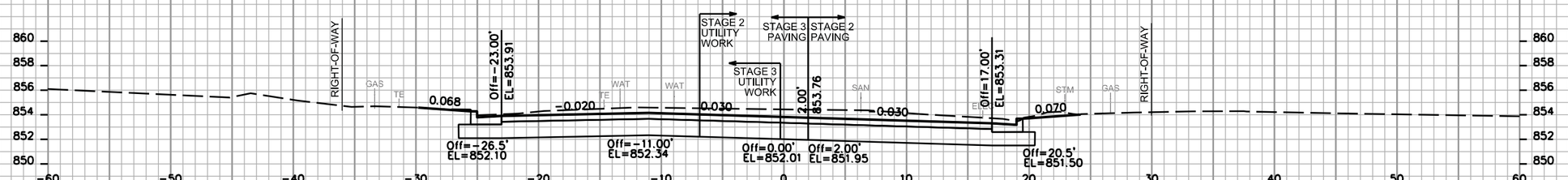
STA. 25+75



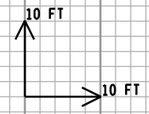
STA. 25+50



STA. 25+25



STA. 25+00



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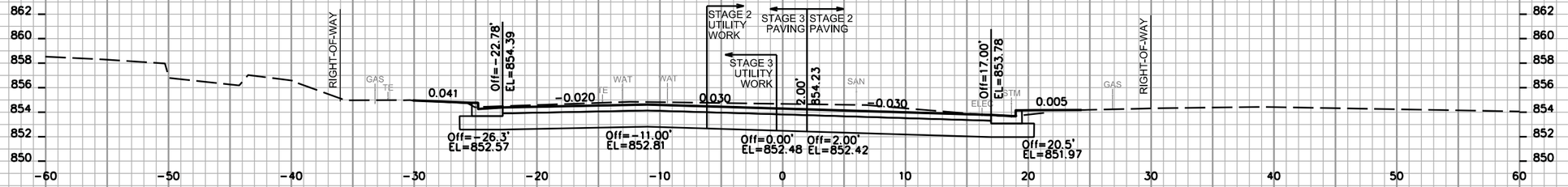
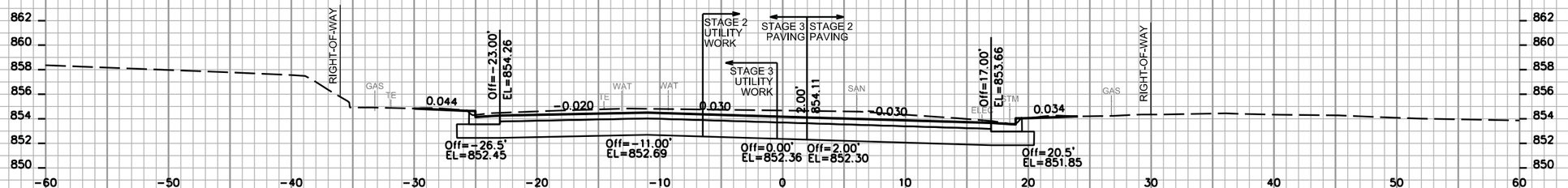
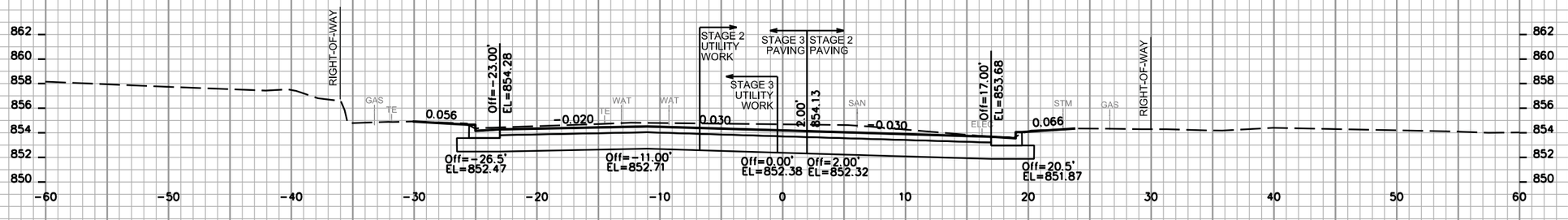
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 430	E



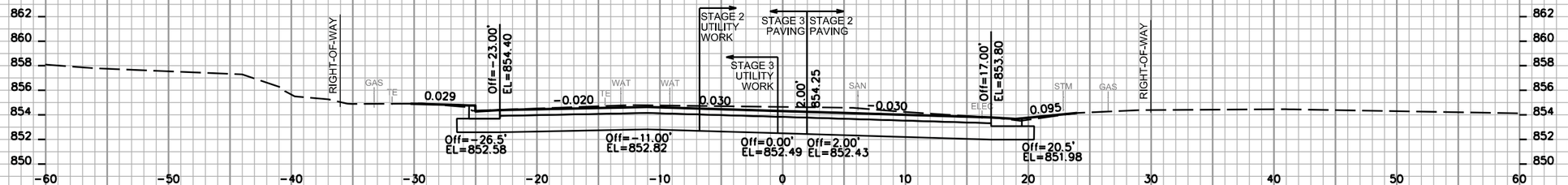
STA. 26+75



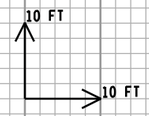
STA. 26+50



STA. 26+25



STA. 26+00



NOTES:

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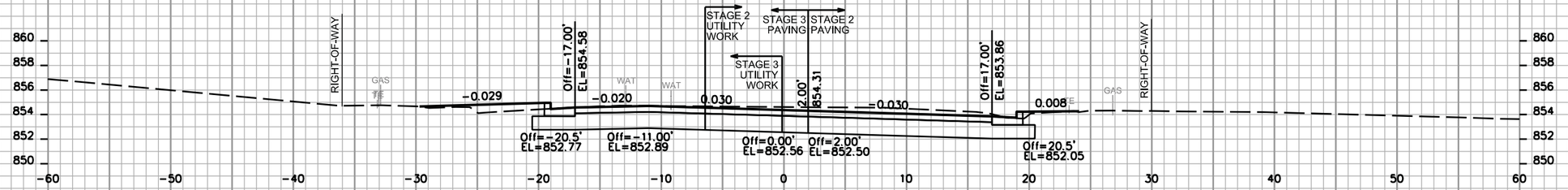
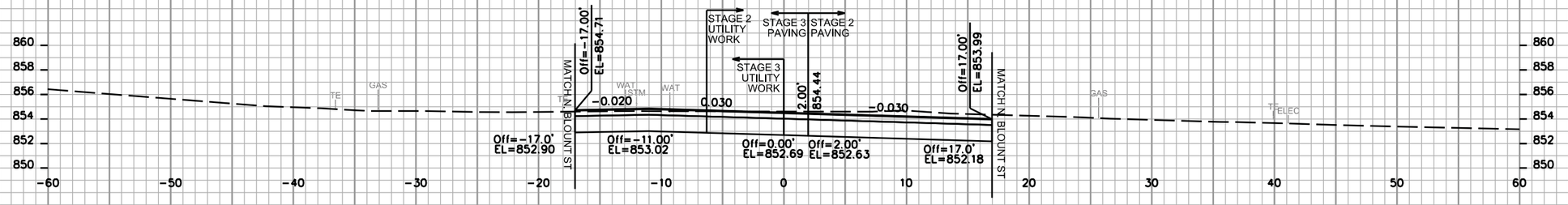
9

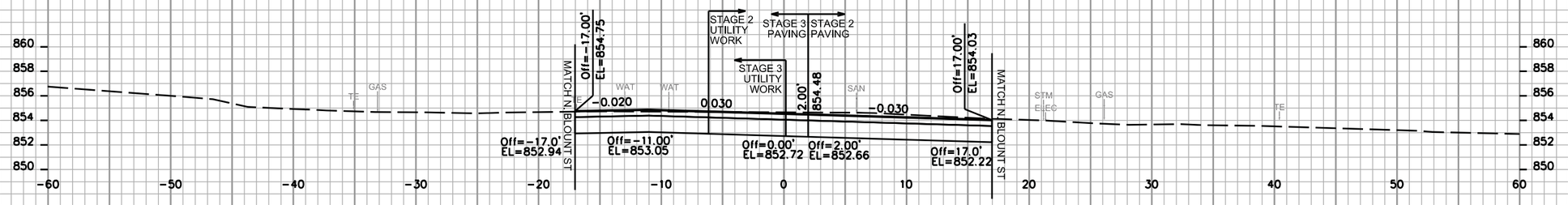
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 431	E



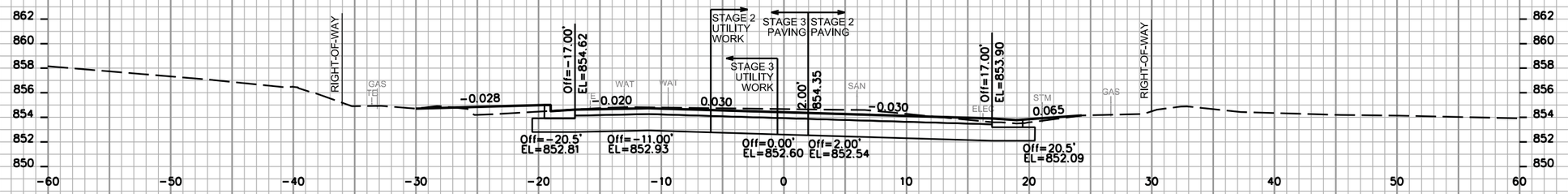
STA. 27+75



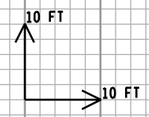
STA. 27+50



STA. 27+25



STA. 27+00



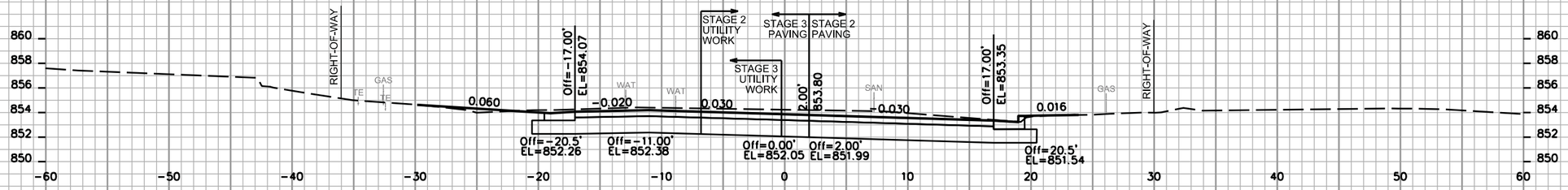
NOTES:

1. GRADING LIMITS AS SHOWN ON THESE CROSS SECTIONS MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS AND TO AVOID EXISTING TREES.

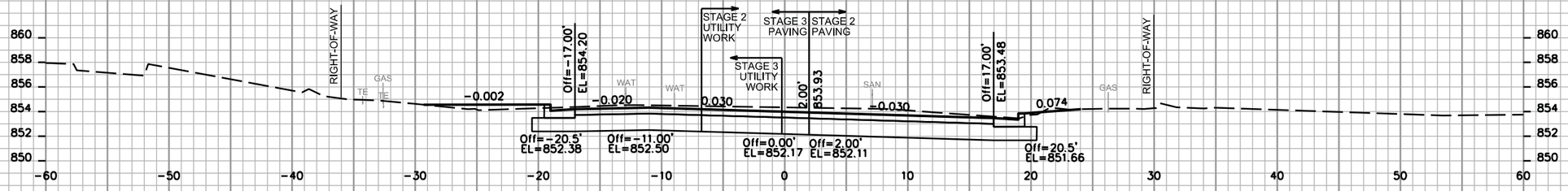
2. THE TRAFFIC CONTROL PLAN INCLUDES SUB-STAGES AT THE INTERSECTIONS IN ORDER TO MAINTAIN CROSS TRAFFIC. SEE TRAFFIC CONTROL PLANS FOR INFORMATION RELATED TO THE SUB-STAGES.

3. THESE CROSS SECTIONS REFLECT FINAL CURB LOCATIONS. THE CURB AT BUMPOUTS ON THE SOUTH (RIGHT) SIDE WILL BE CONSTRUCTED DURING STAGE 4; THE BUMPOUT AREAS ON THE RIGHT SIDE WILL BE PAVED TO THE EXISTING CURB LOCATIONS DURING PHASE 2 AS INDICATED ON THE TRAFFIC CONTORL PLANS.

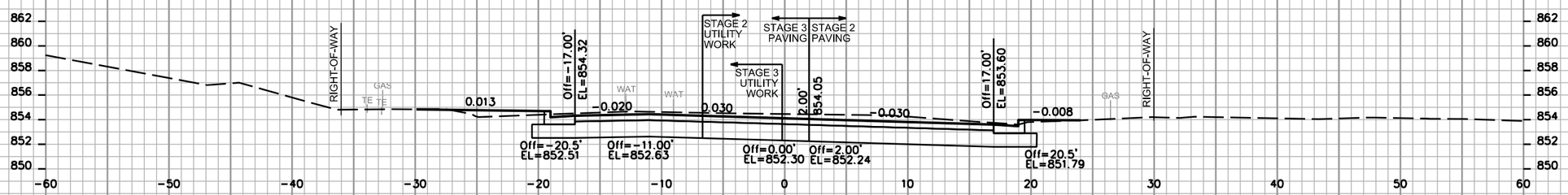
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 432	E



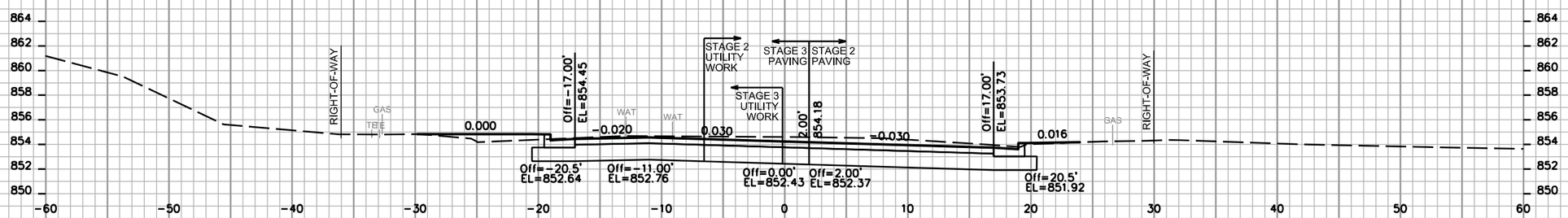
STA. 28+75



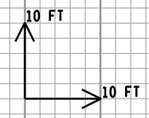
STA. 28+50



STA. 28+25



STA. 28+00



NOTES:

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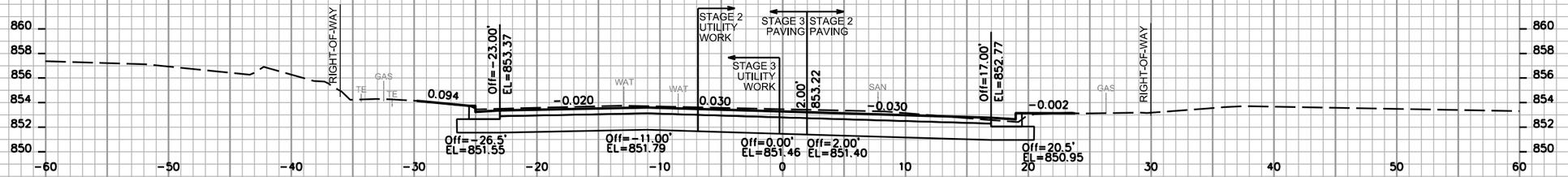
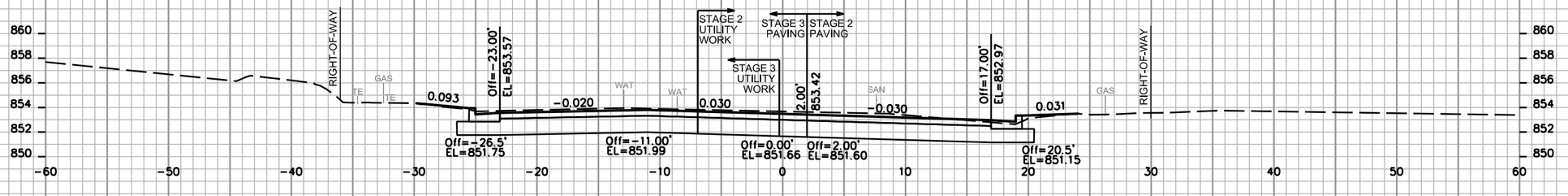
3. THESE CROSS SECTIONS REFLECT FINAL CURB LOCATIONS. THE CURB AT BUMPOUTS ON THE SOUTH (RIGHT) SIDE WILL BE CONSTRUCTED DURING STAGE 4; THE BUMPOUT AREAS ON THE RIGHT SIDE WILL BE PAVED TO THE EXISTING CURB LOCATIONS DURING PHASE 2 AS INDICATED ON THE TRAFFIC CONTORL PLANS.

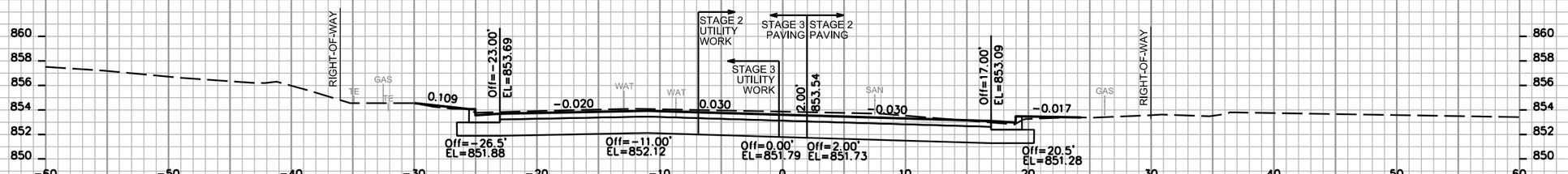
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 433	E



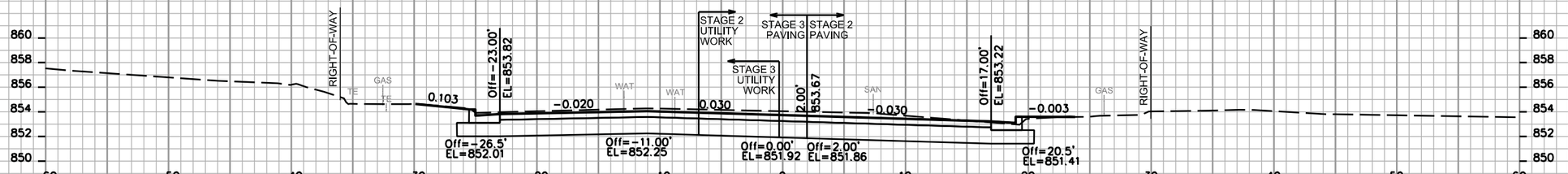
STA. 29+75



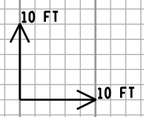
STA. 29+50



STA. 29+25



STA. 29+00



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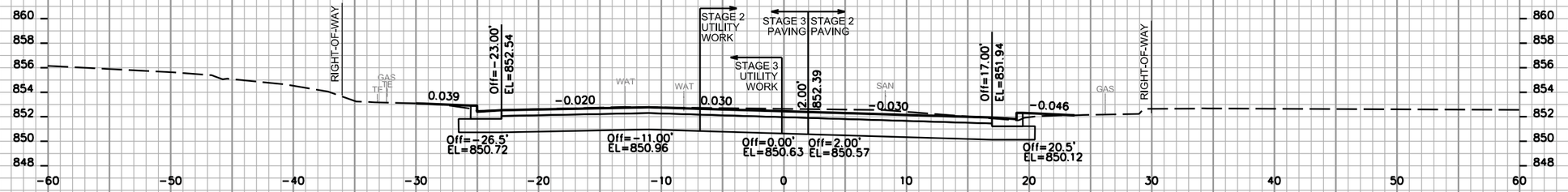
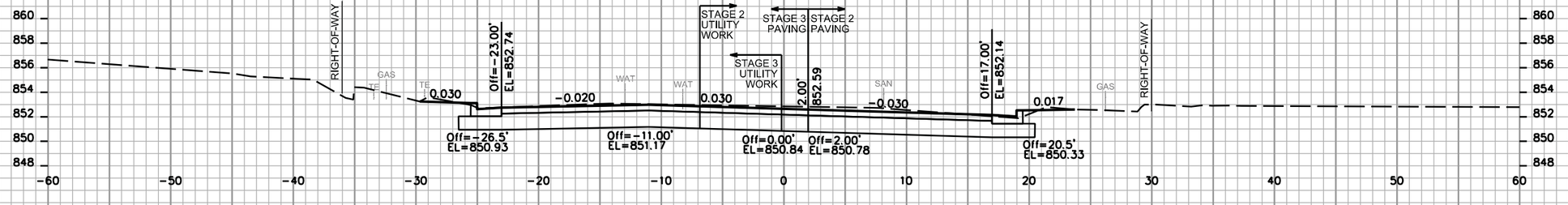
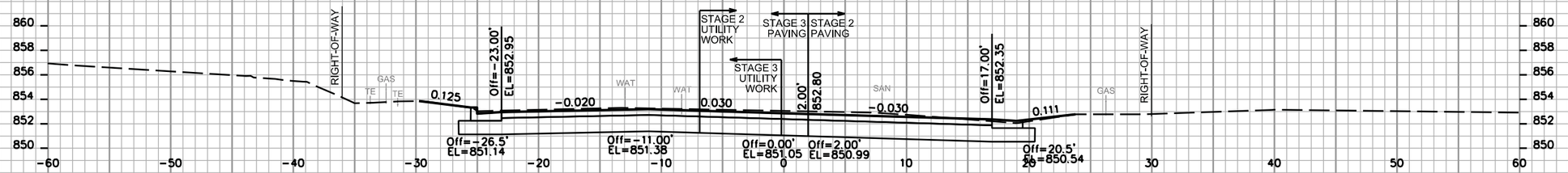
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 434	E



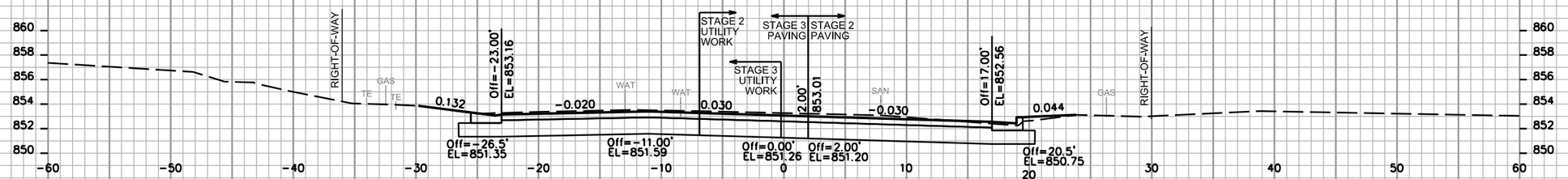
STA. 30+75



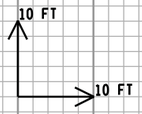
STA. 30+50



STA. 30+25



STA. 30+00



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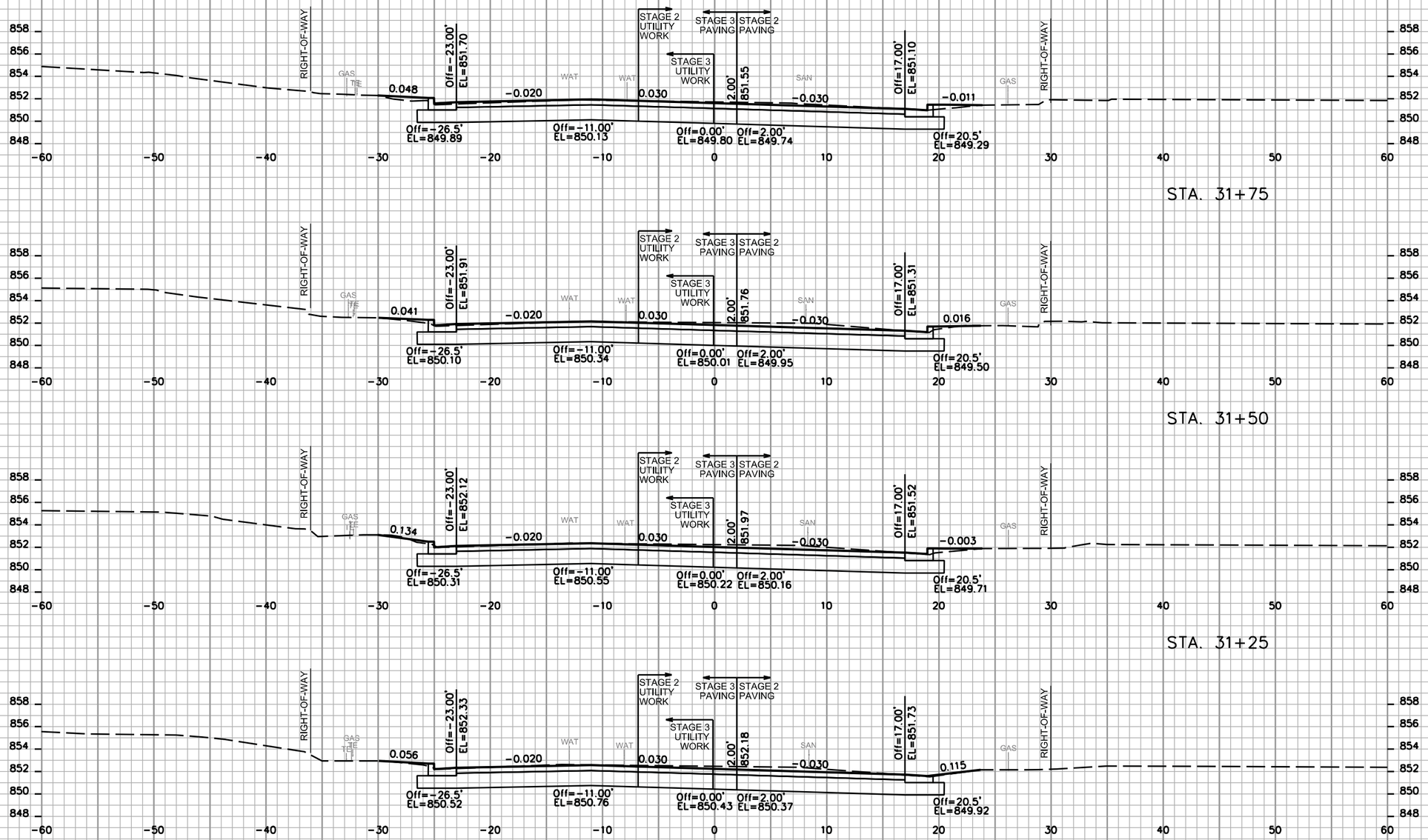
3. THESE CROSS SECTIONS REFLECT FINAL CURB LOCATIONS. THE CURB AT BUMPOUTS ON THE SOUTH (RIGHT) SIDE WILL BE CONSTRUCTED DURING STAGE 4; THE BUMPOUT AREAS ON THE RIGHT SIDE WILL BE PAVED TO THE EXISTING CURB LOCATIONS DURING PHASE 2 AS INDICATED ON THE TRAFFIC CONTORL PLANS.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 435	E



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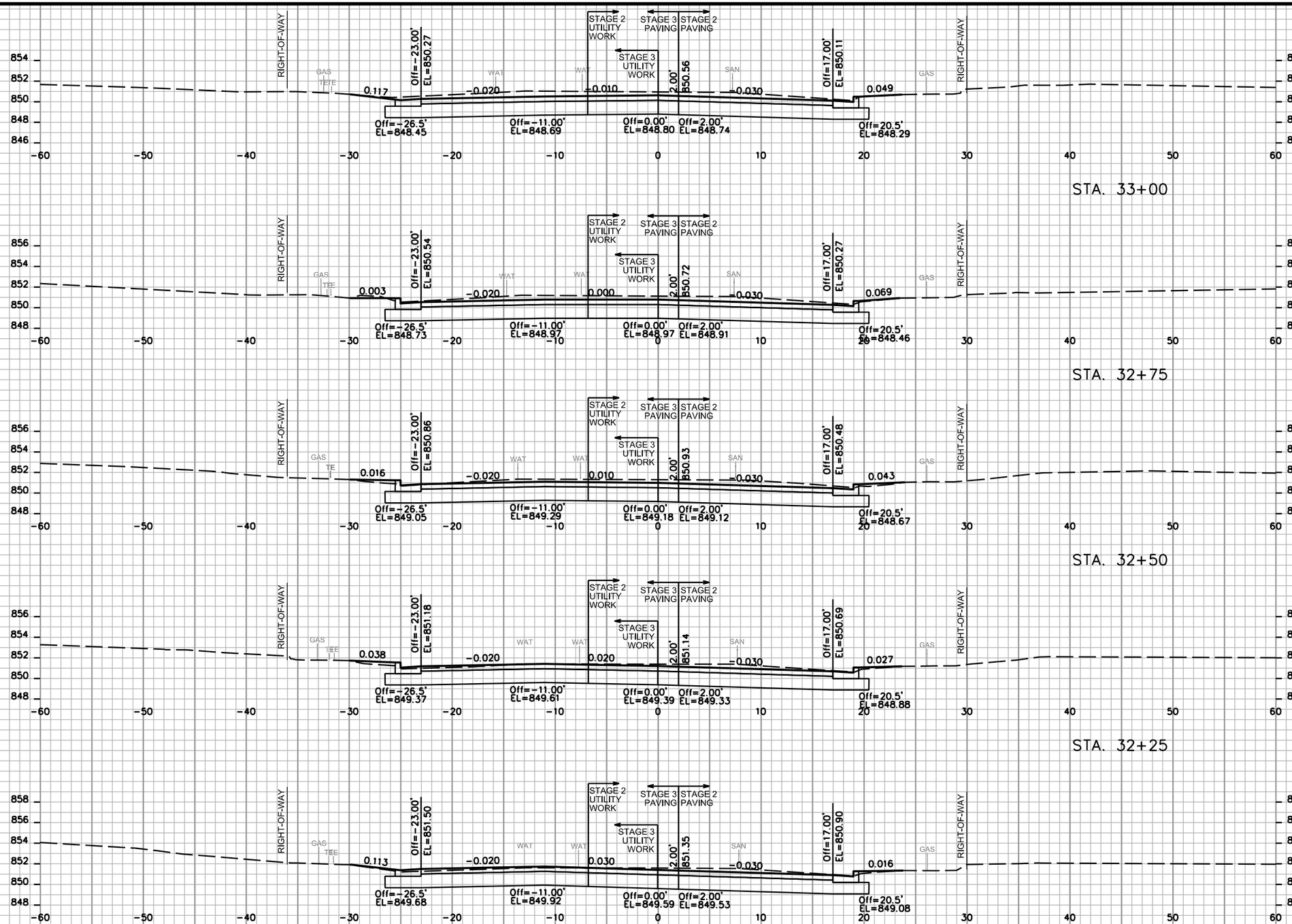
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 436	E



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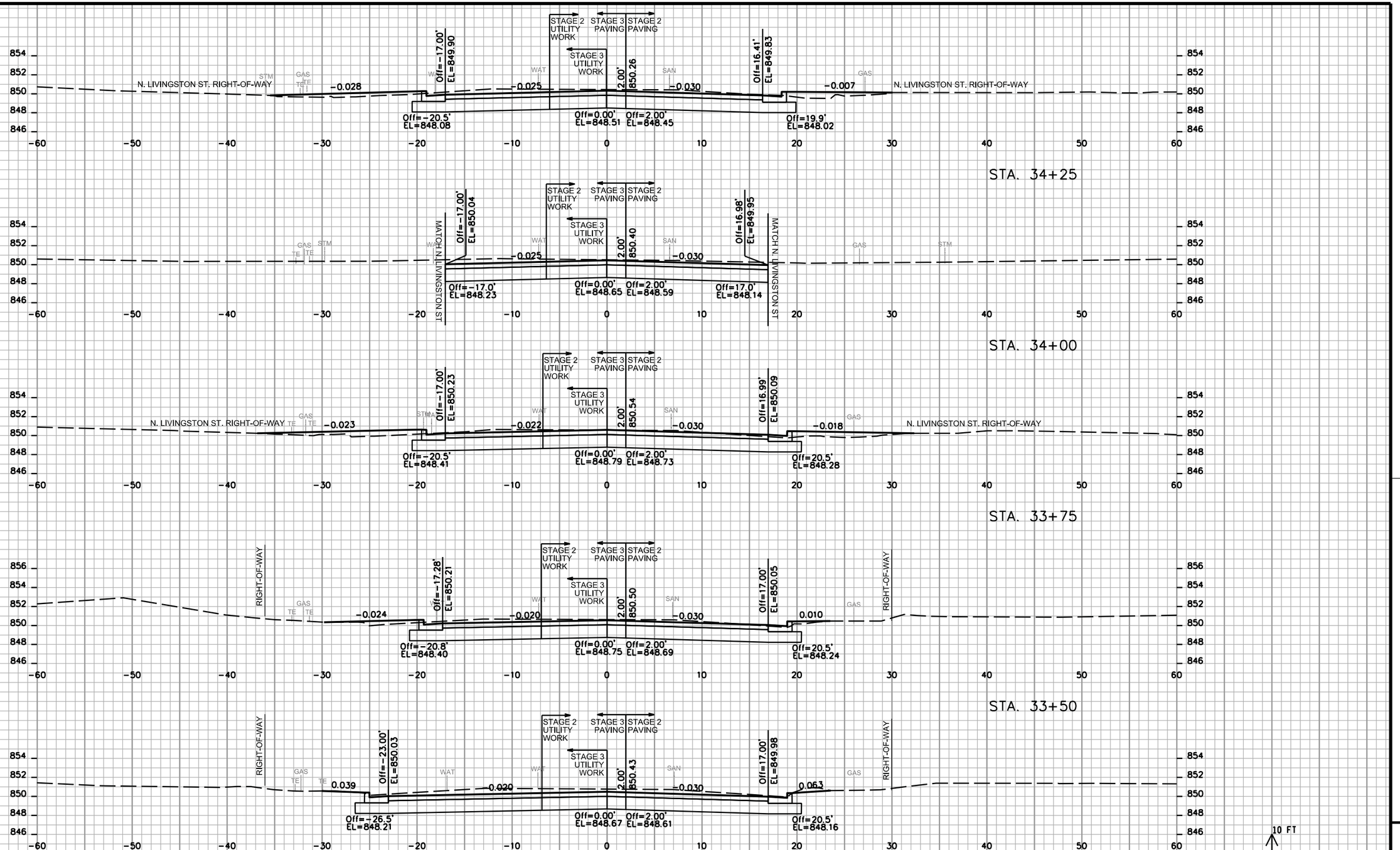
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 437	E



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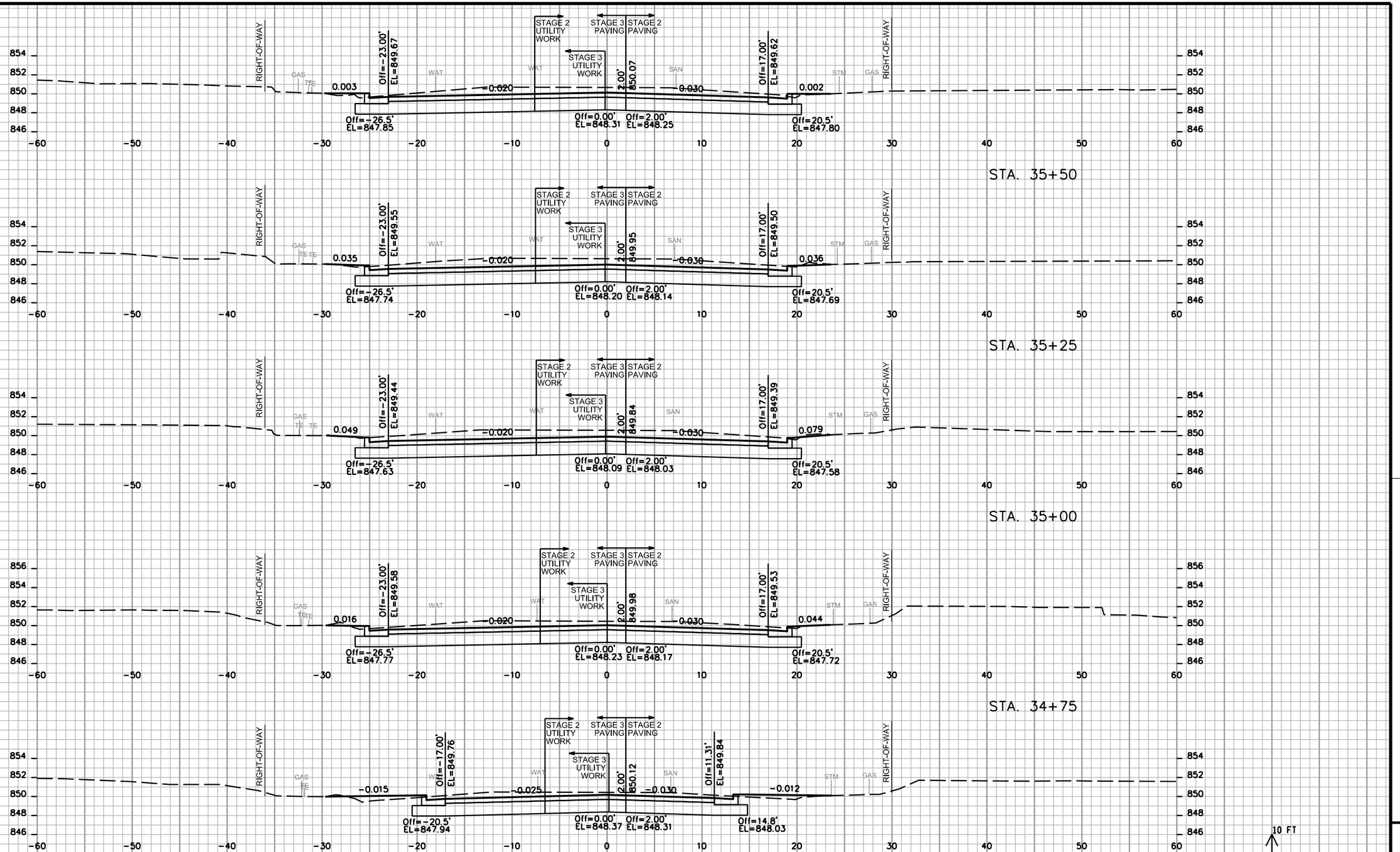
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 438	E



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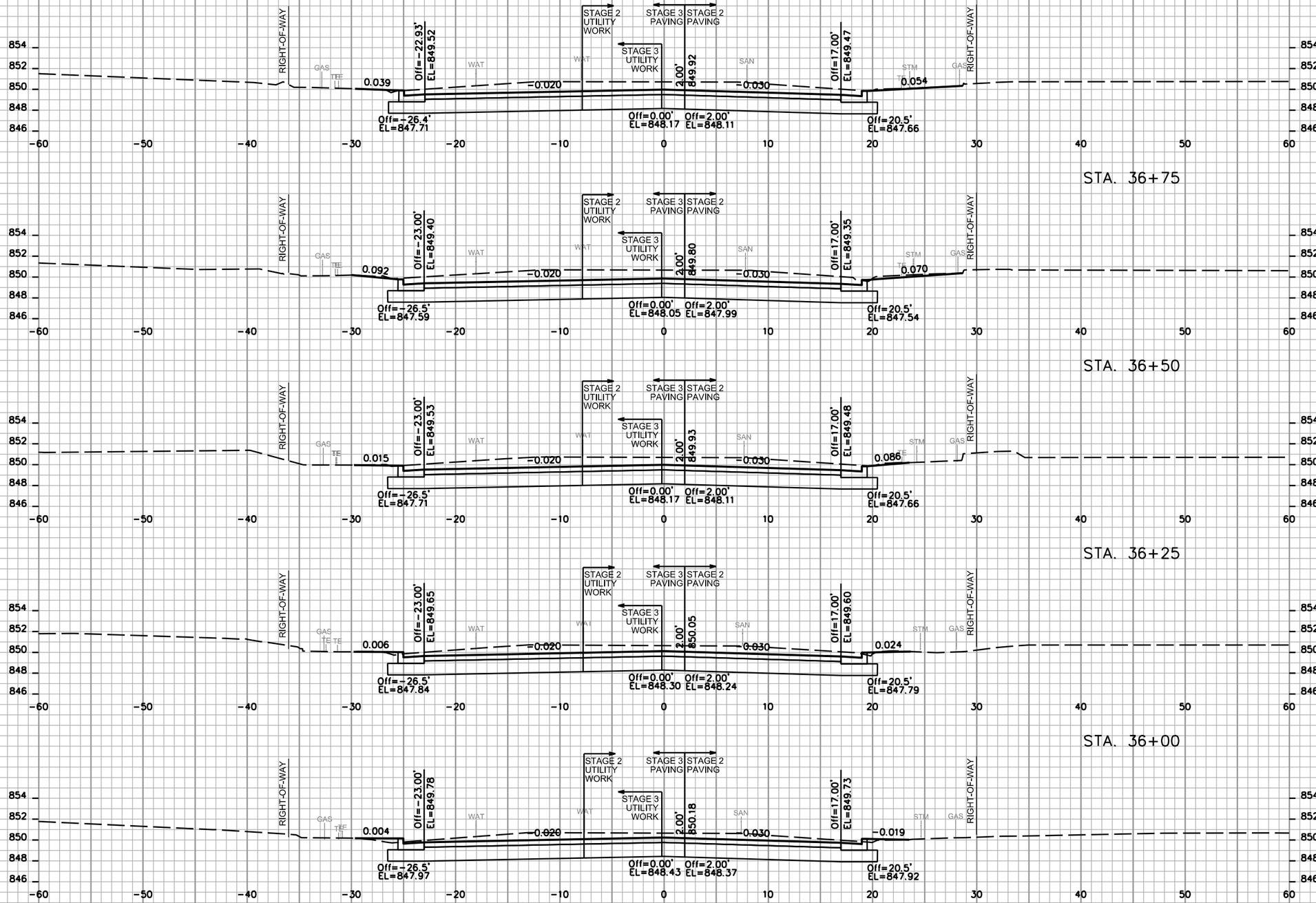
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 439 E



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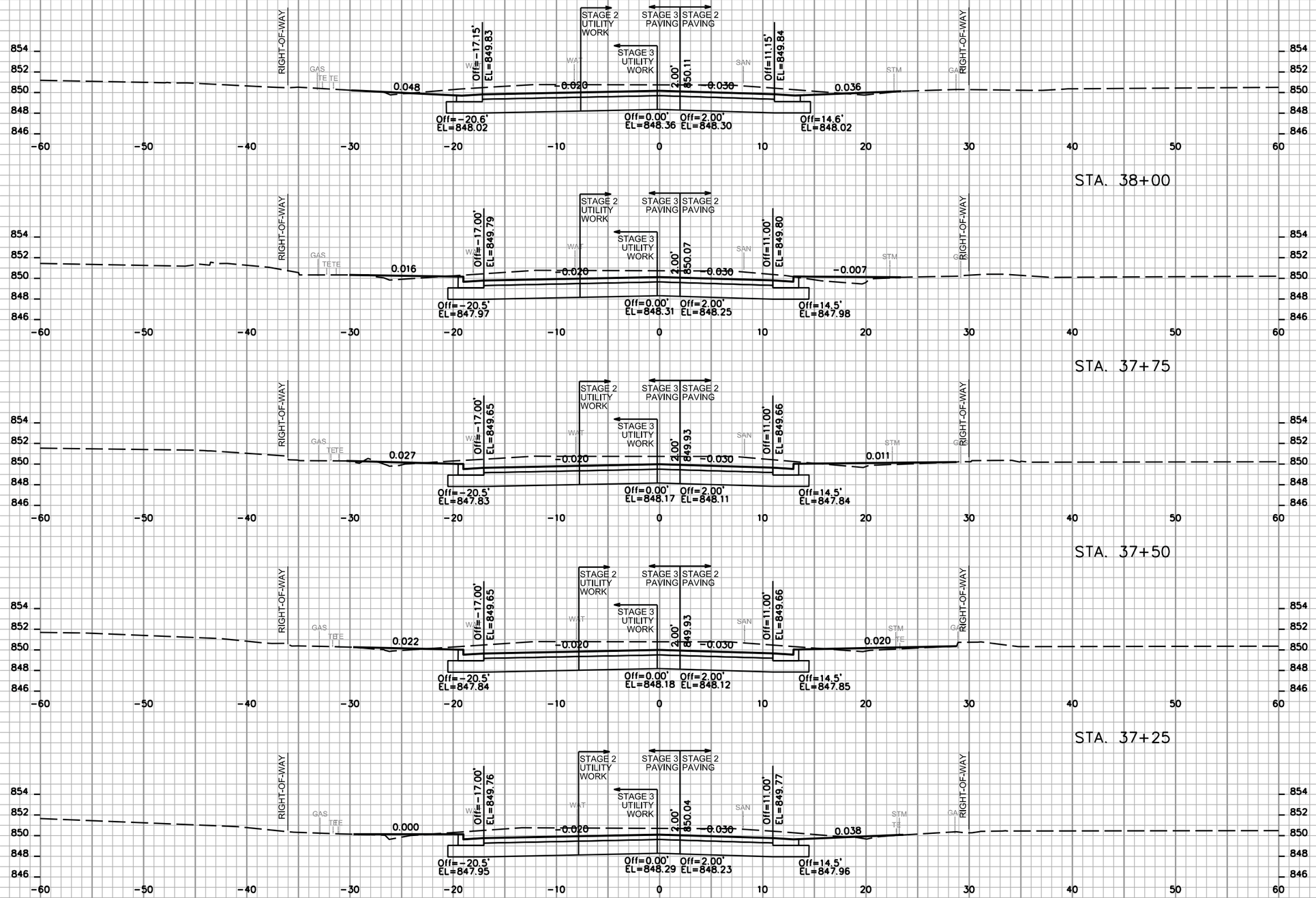
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 440	E



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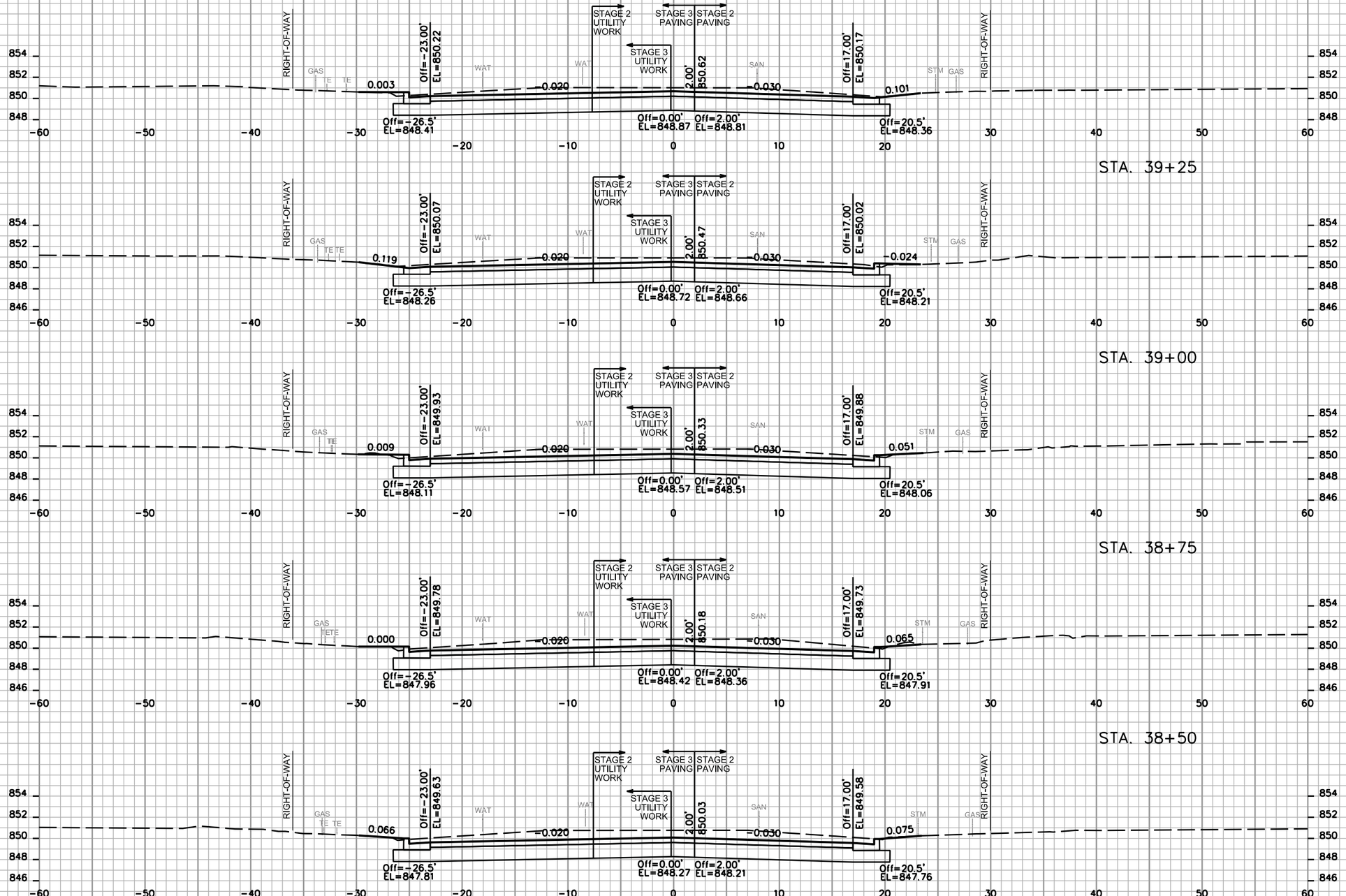
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 441 E



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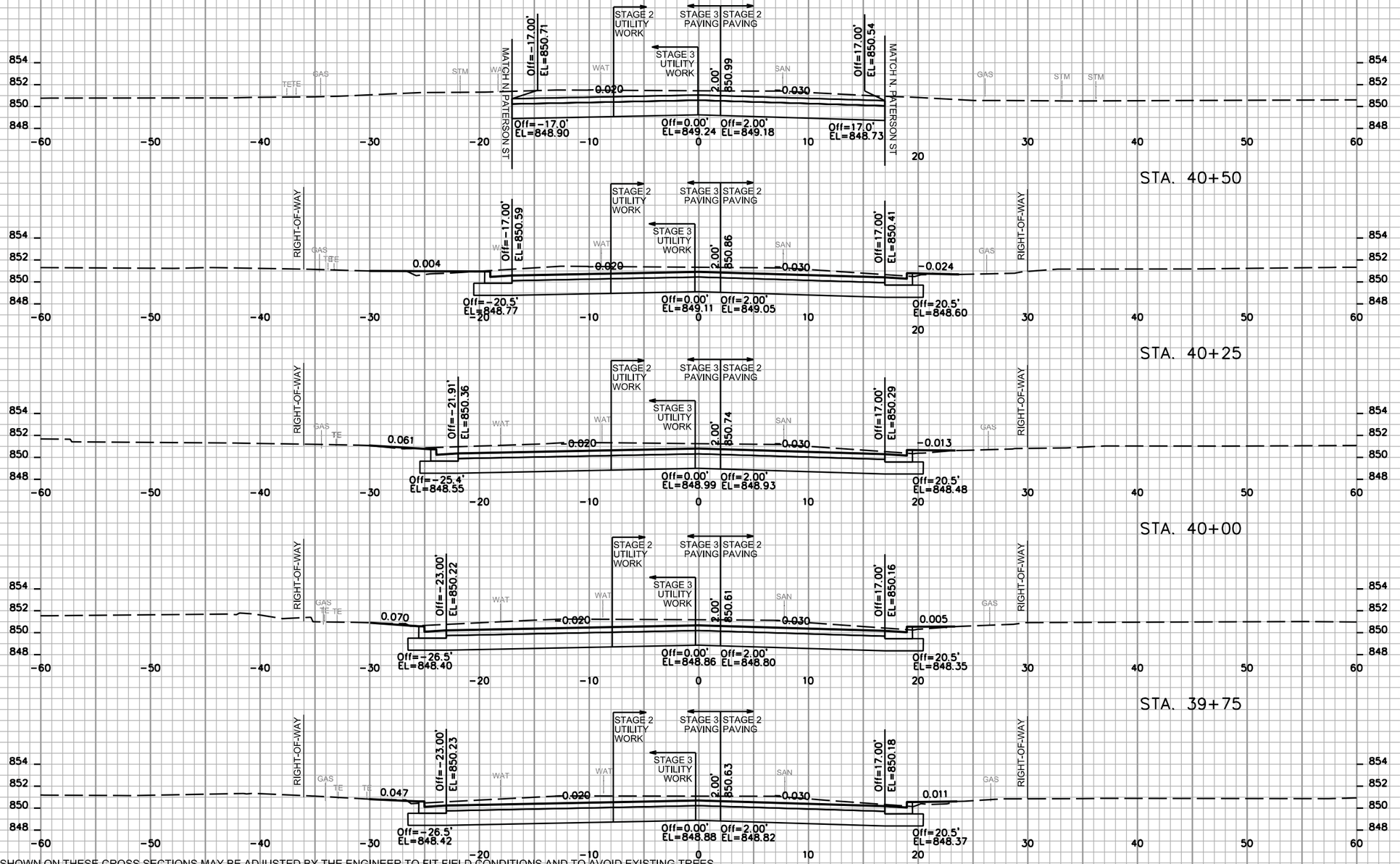
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 442	E



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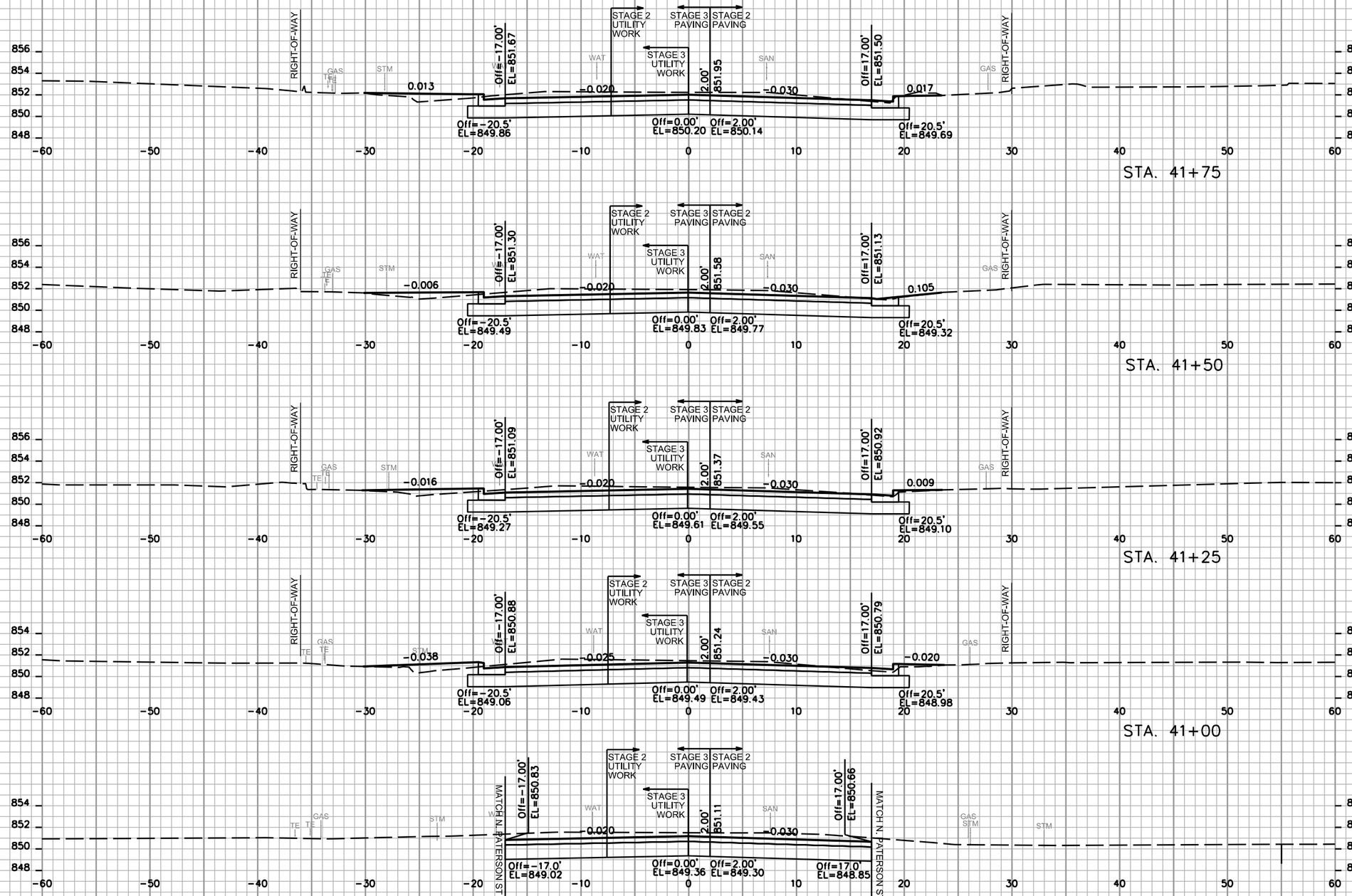
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 443	E



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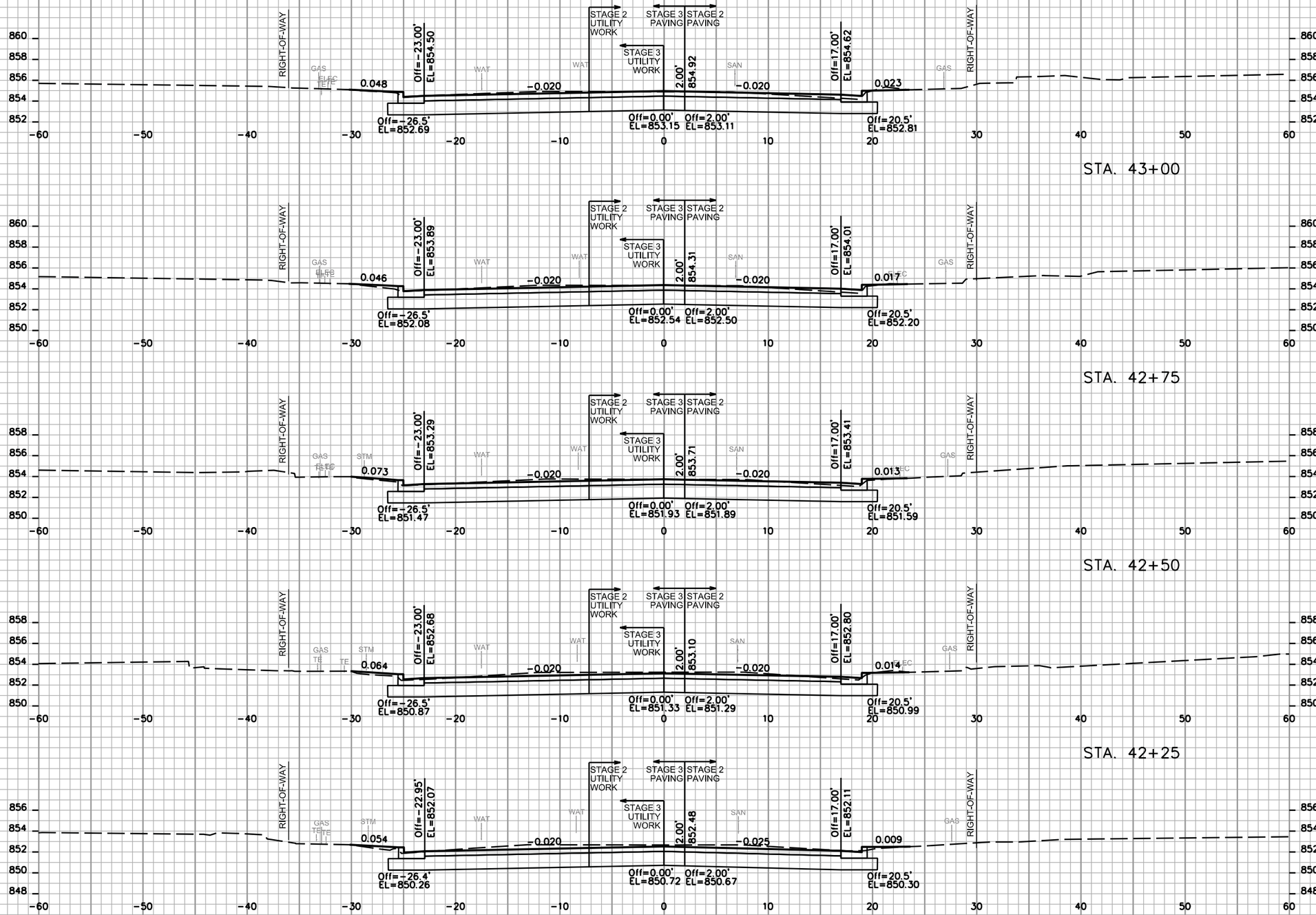
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 444	E



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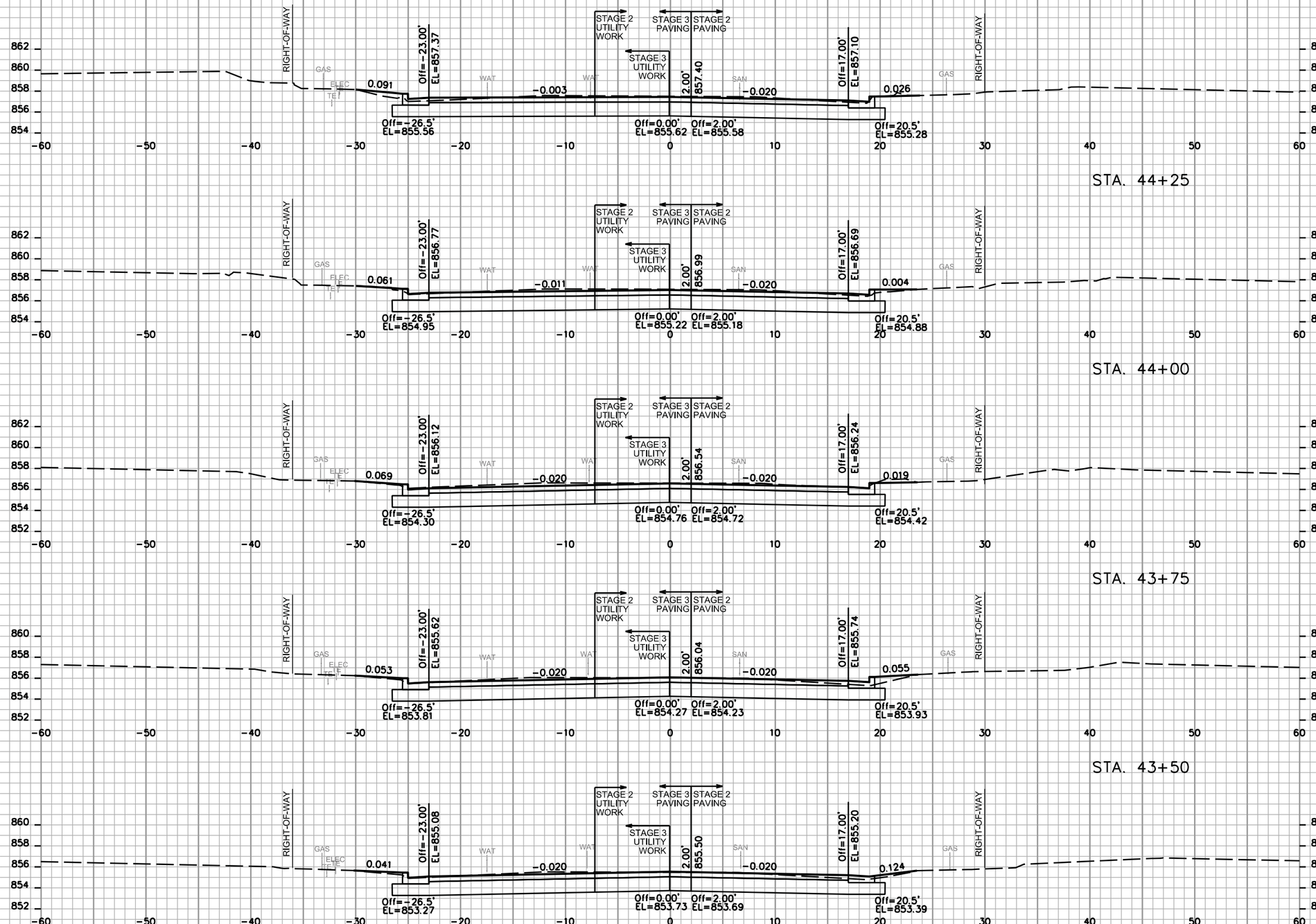
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 445	E



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2. THE TRAFFIC CONTROL PLAN INCLUDES SUB-STAGES AT THE INTERSECTIONS IN ORDER TO MAINTAIN CROSS TRAFFIC. SEE TRAFFIC CONTROL PLANS FOR INFORMATION RELATED TO THE SUB-STAGES.

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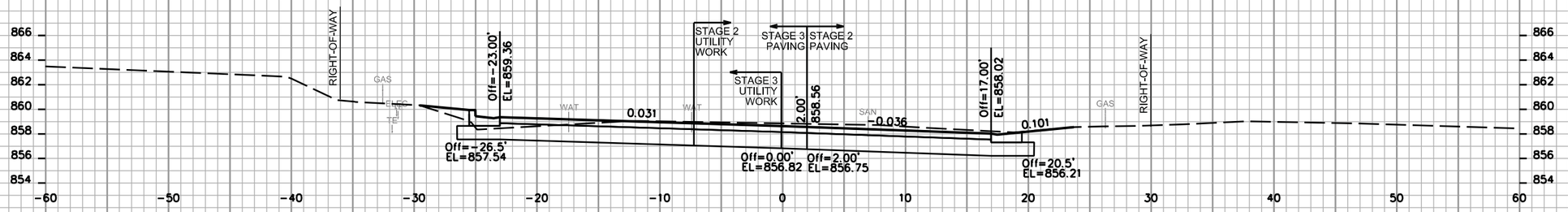
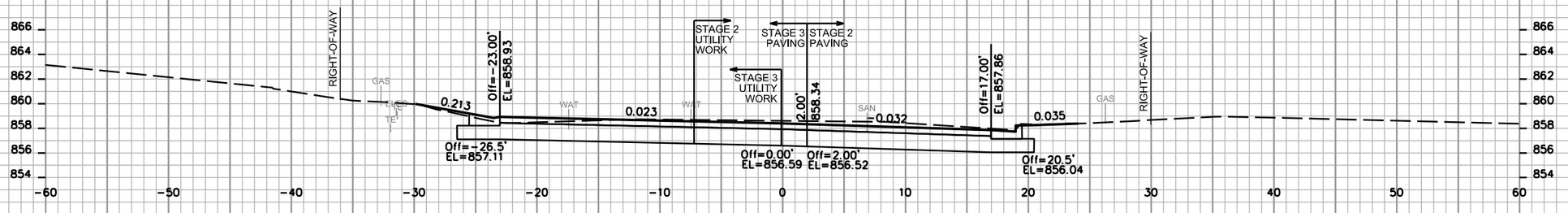
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET	E

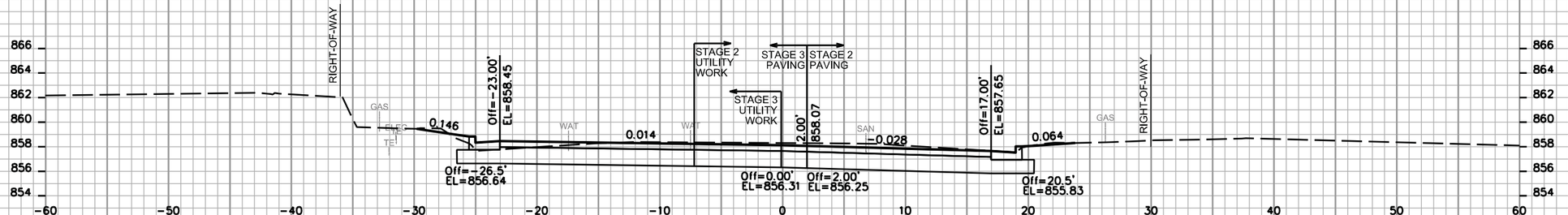
FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\53W0740XSection_Final.dgn PLOT DATE : 11/25/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 10.0000 sf / in.
WISDOT/CADDS SHEET 21



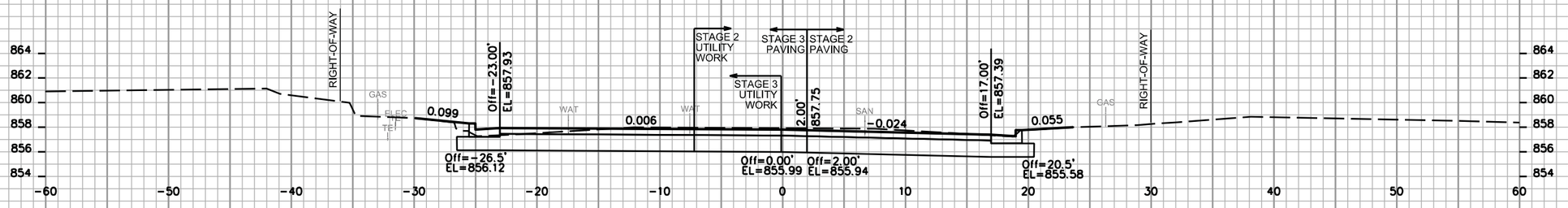
STA. 45+25



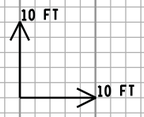
STA. 45+00



STA. 44+75



STA. 44+50



NOTES:

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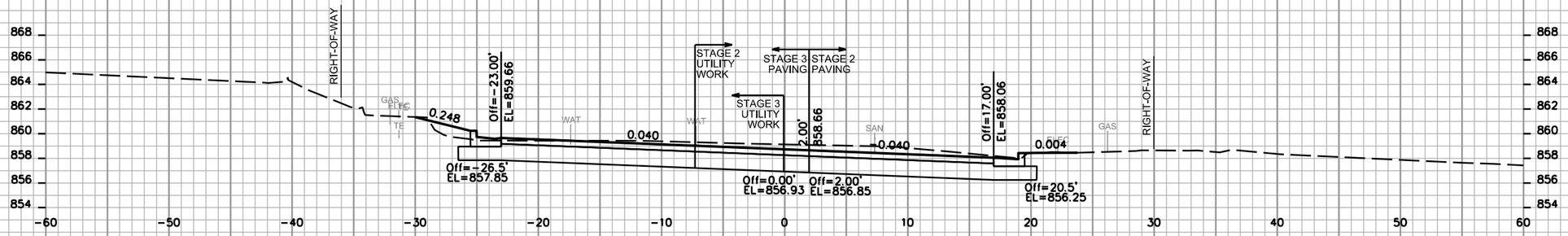
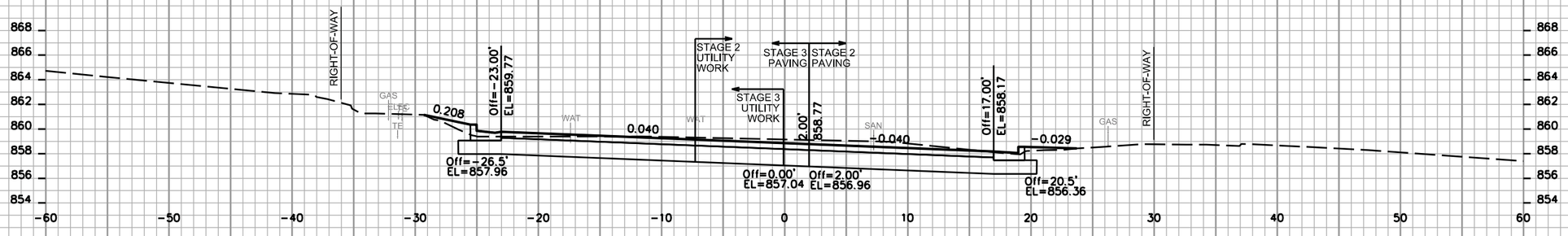
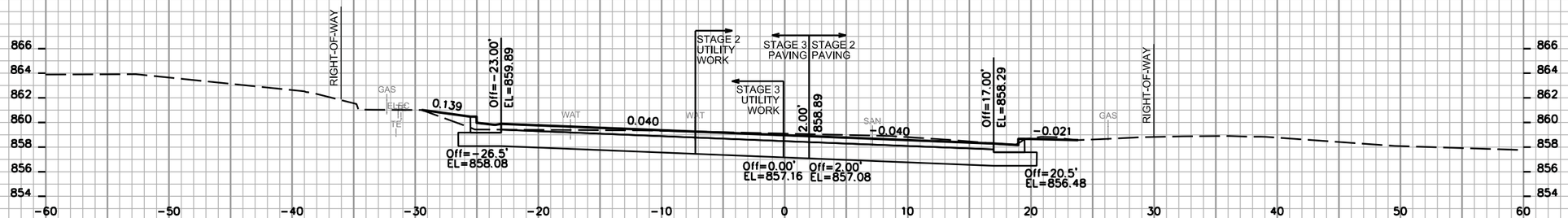


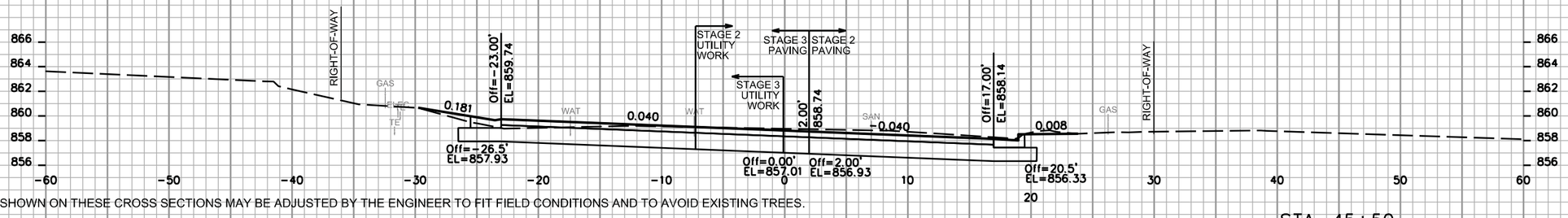
STA. 46+25



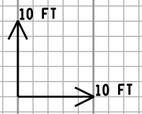
STA. 46+00



STA. 45+75



STA. 45+50



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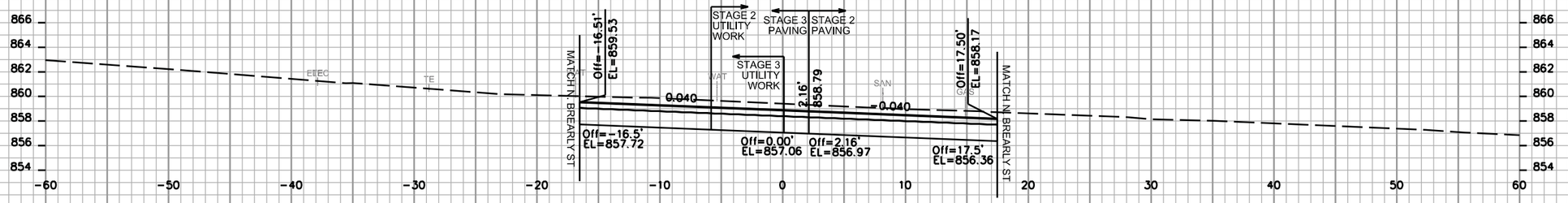
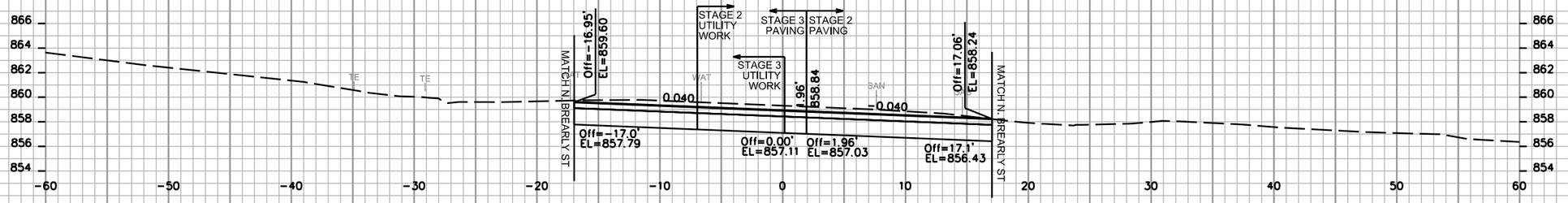
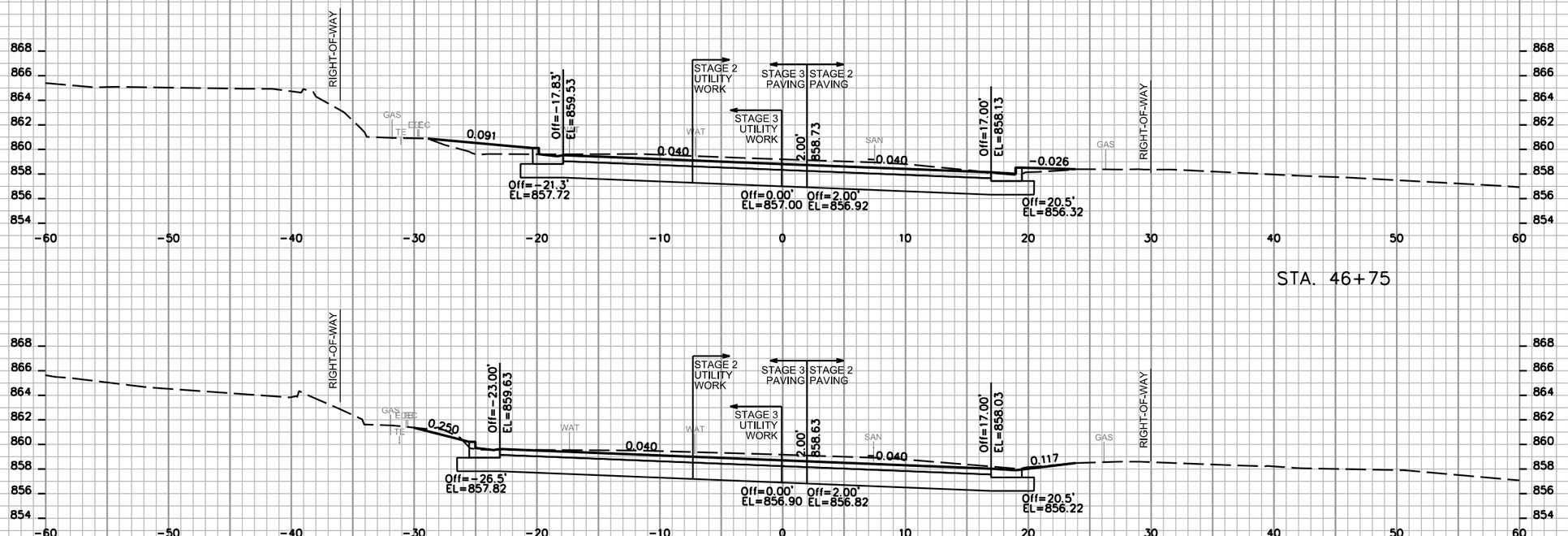
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 448	E







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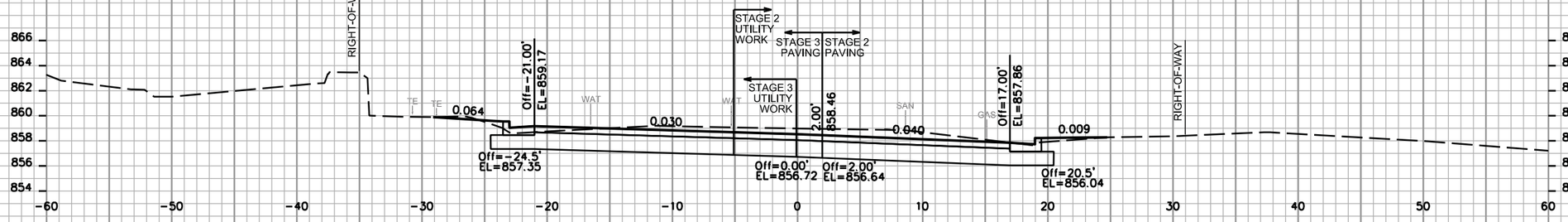
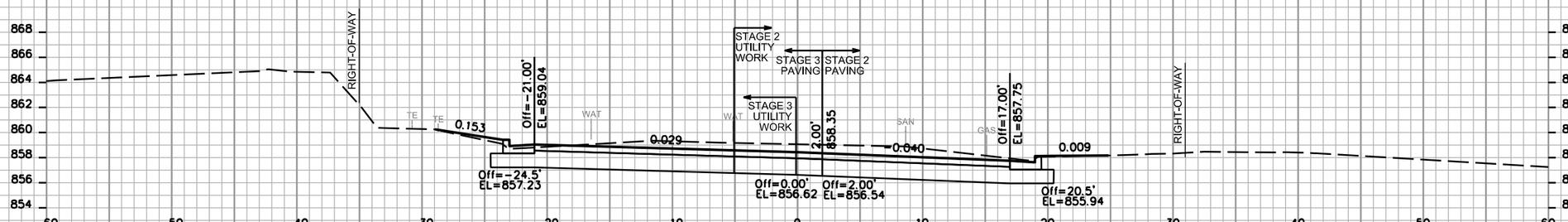
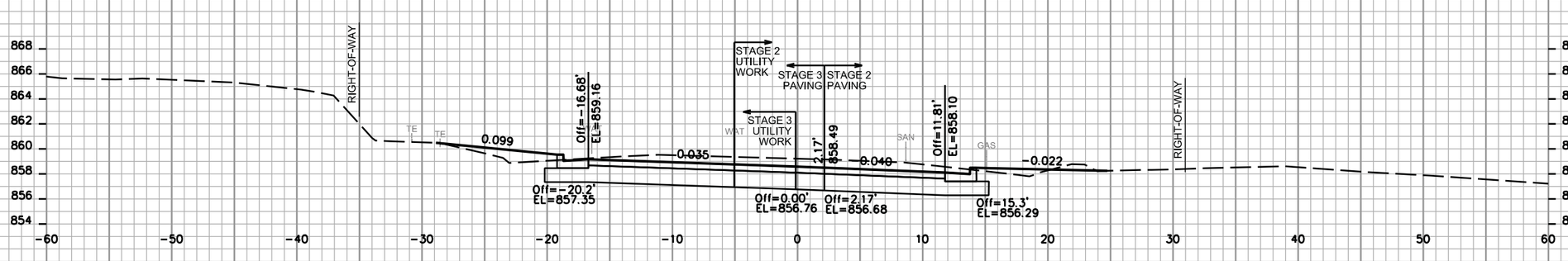
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 449 E



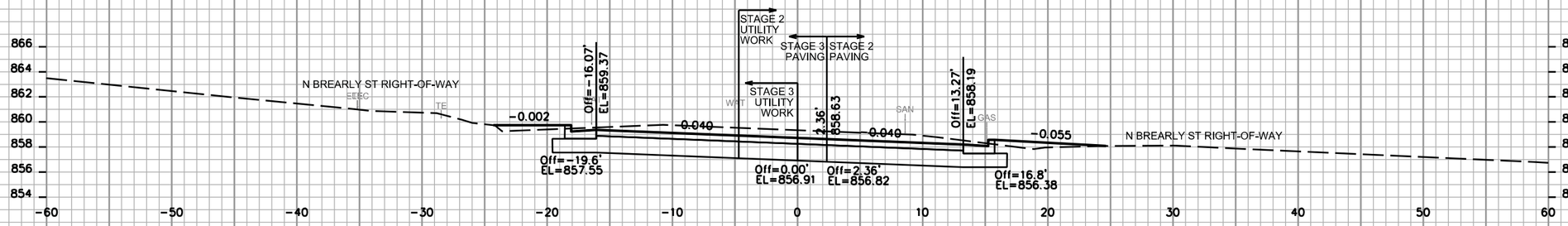
STA. 48+25



STA. 48+00



STA. 47+75



STA. 47+50

10 FT
10 FT

NOTES:
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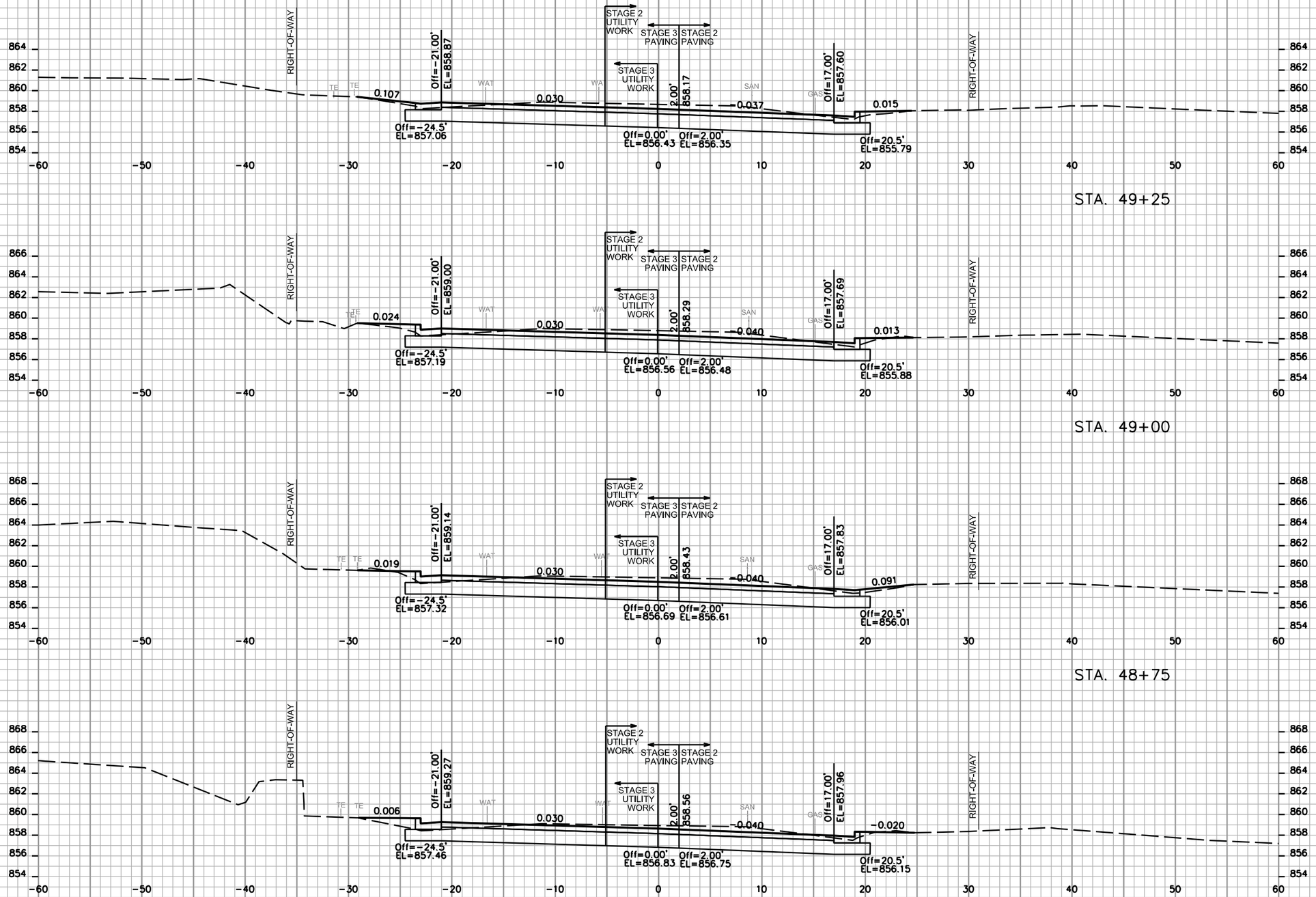
9

9

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 450	E



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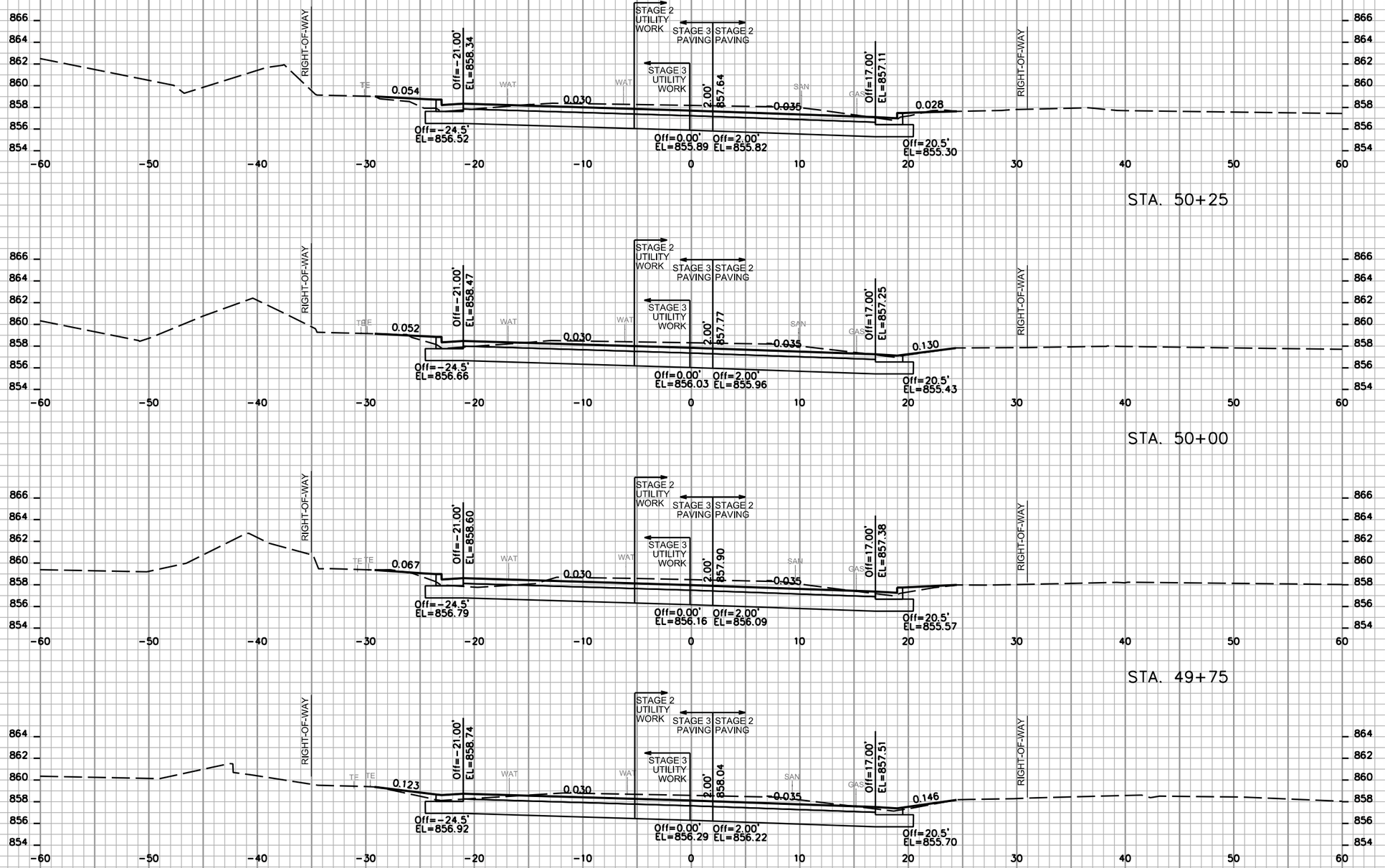
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 451	E



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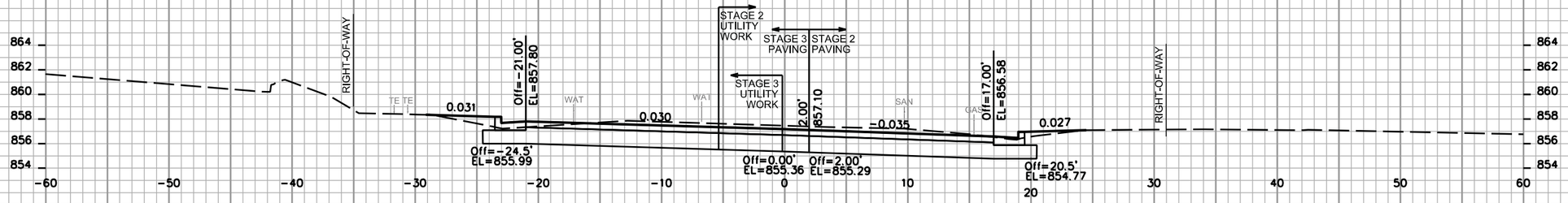
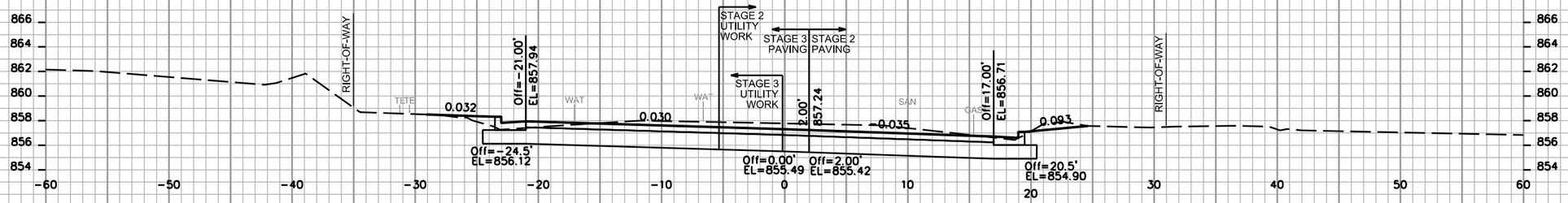
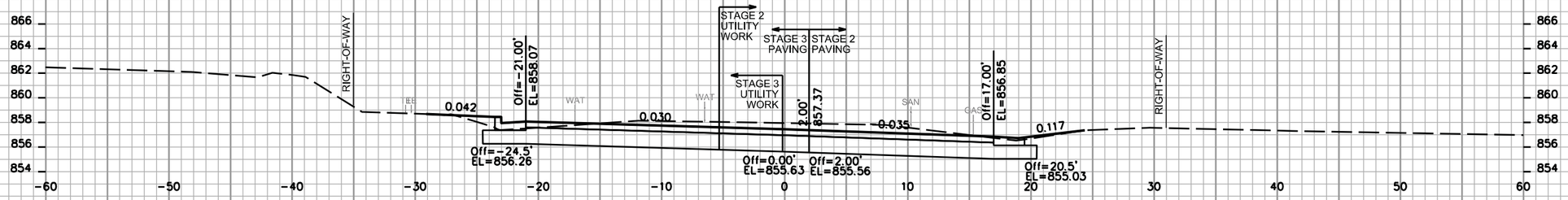
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 452	E



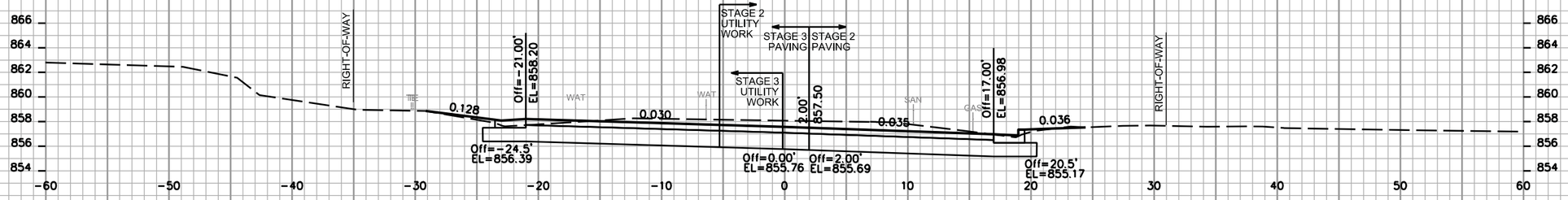
STA. 51+25



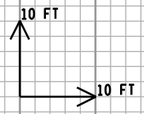
STA. 51+00



STA. 50+75



STA. 50+50



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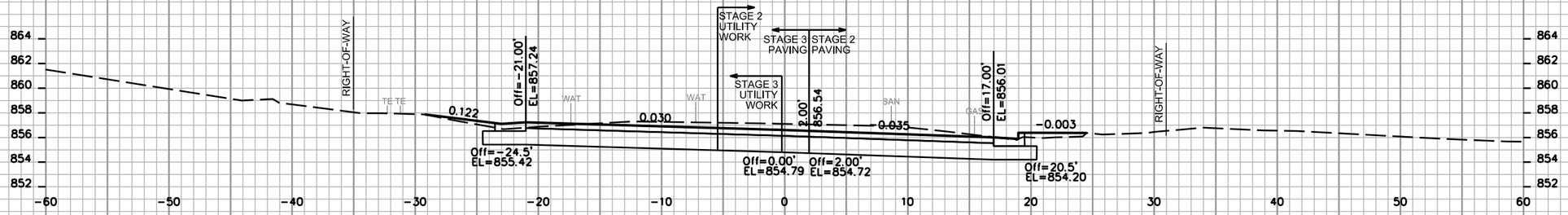
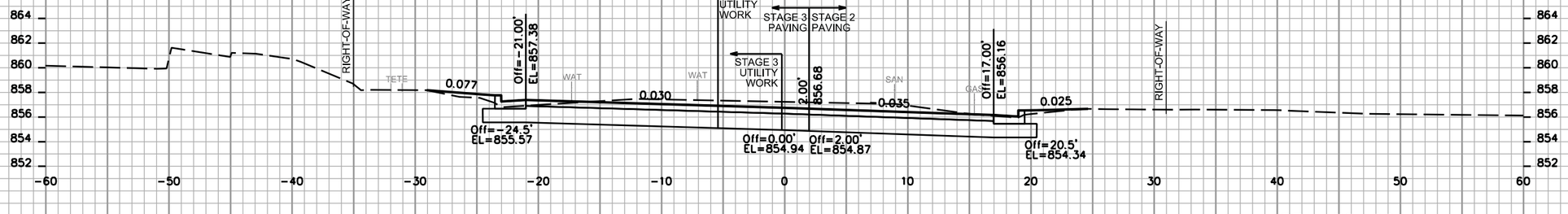
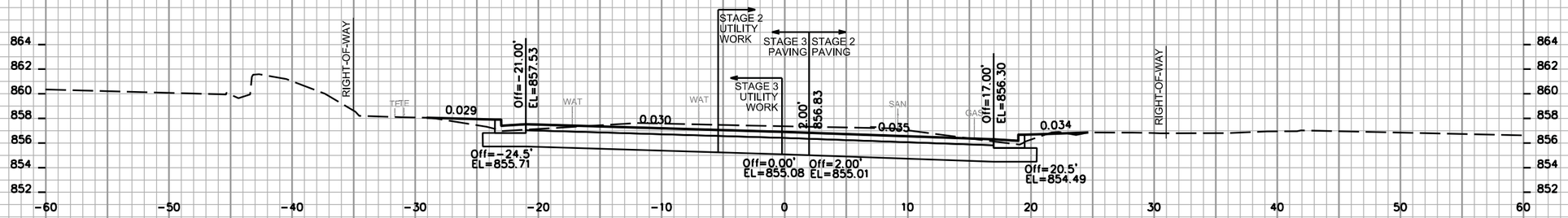
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 453	E



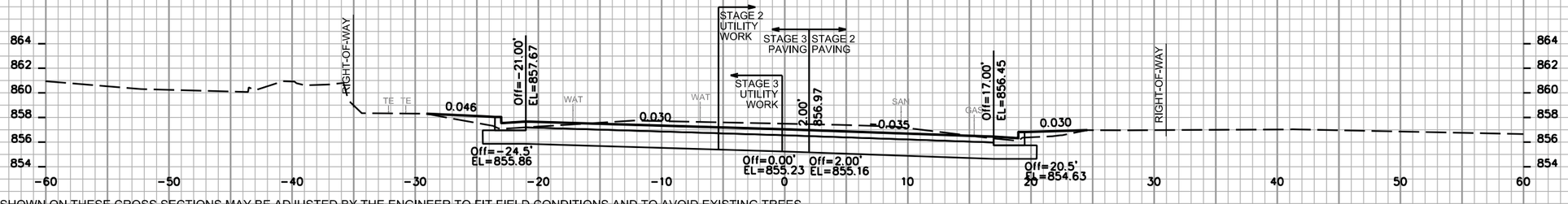
STA. 52+25



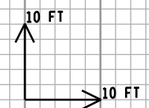
STA. 52+00



STA. 51+75



STA. 51+50



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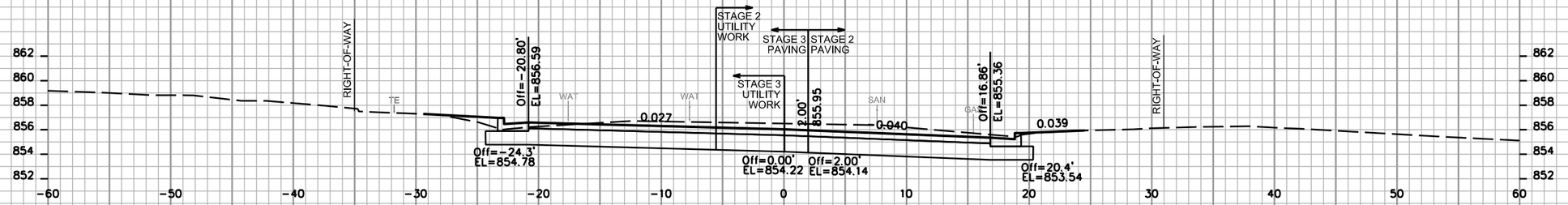
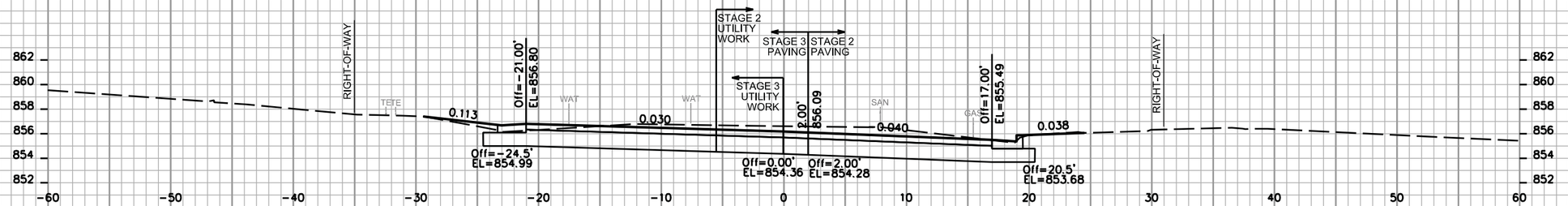
9

9

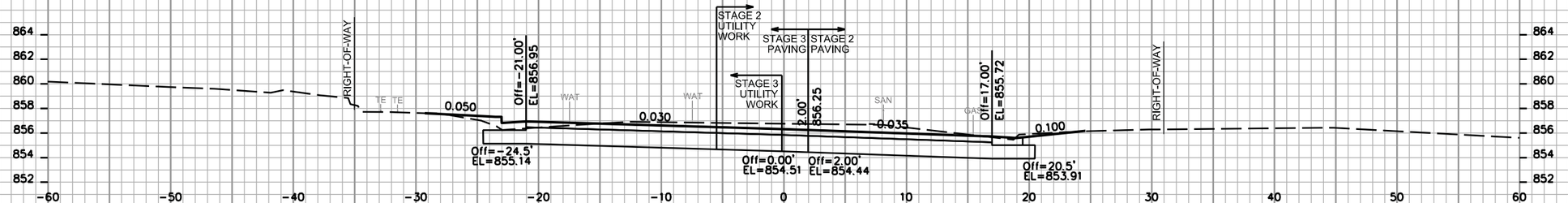
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 454	E



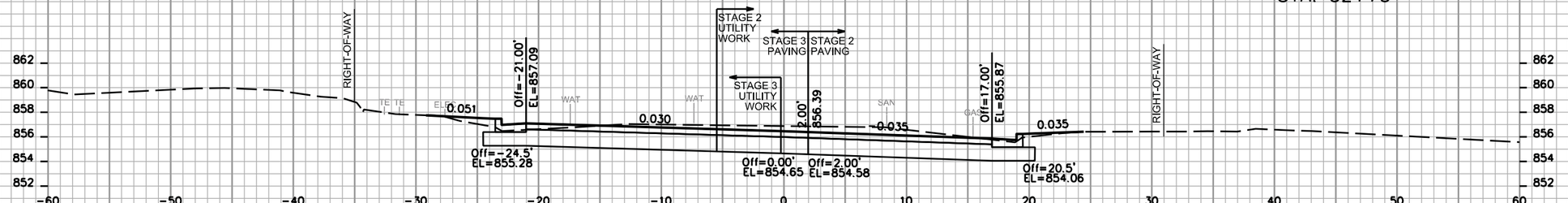
STA. 53+25



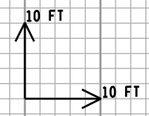
STA. 53+00



STA. 52+75



STA. 52+50



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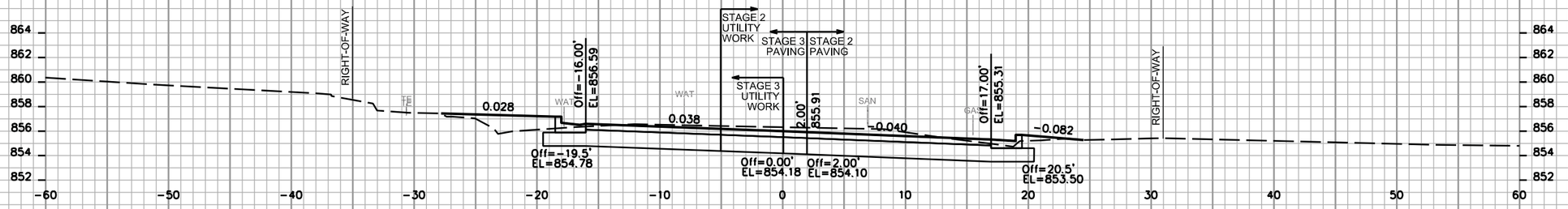
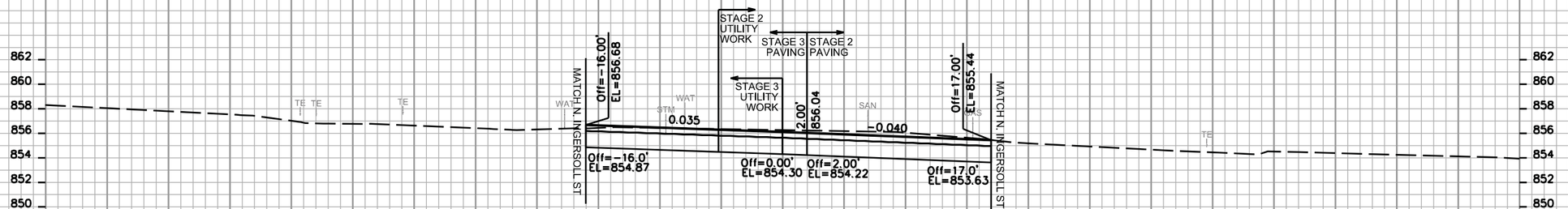
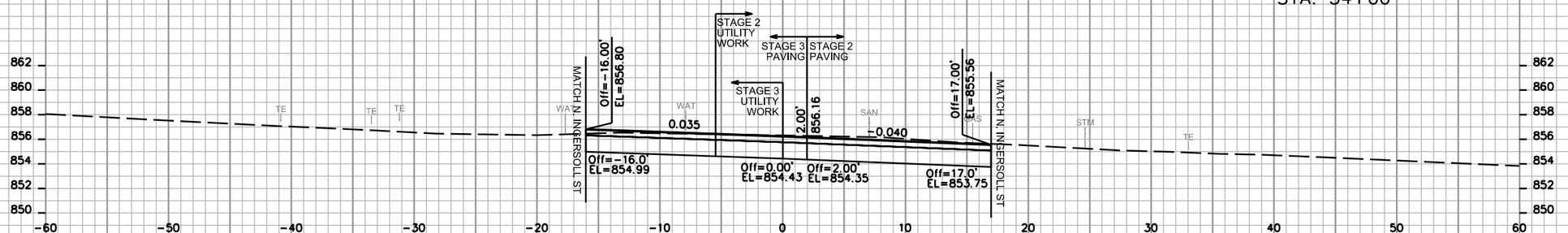
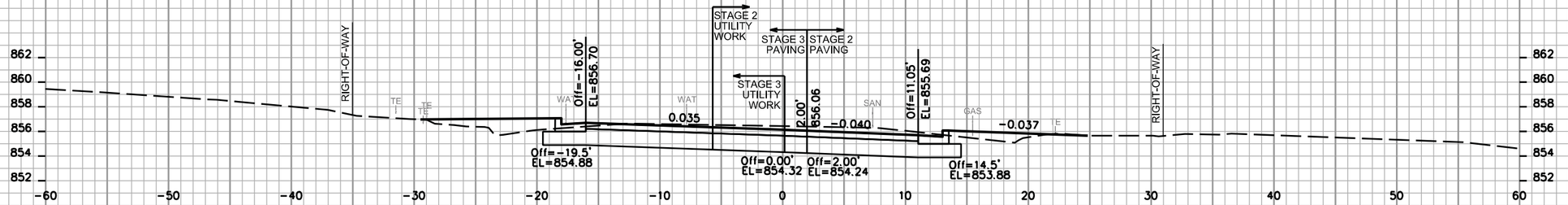
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 455	E









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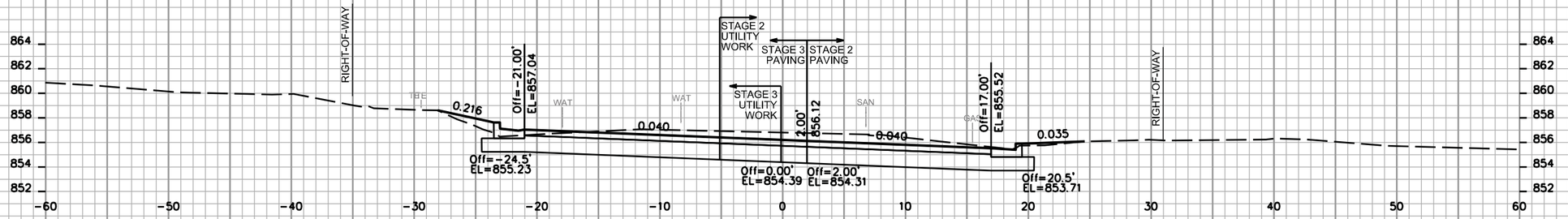
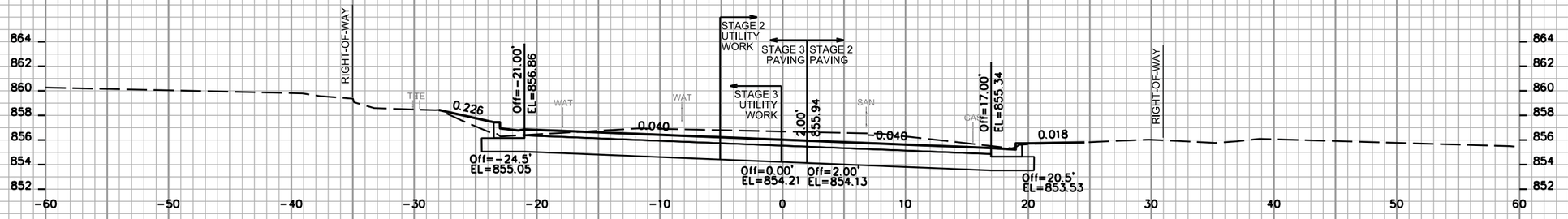
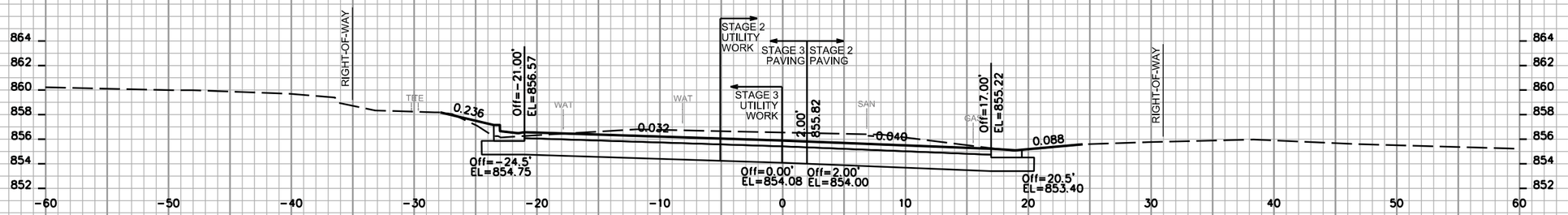
3. THESE CROSS SECTIONS REFLECT FINAL CURB LOCATIONS. THE CURB AT BUMPOUTS ON THE SOUTH (RIGHT) SIDE WILL BE CONSTRUCTED DURING STAGE 4; THE BUMPOUT AREAS ON THE RIGHT SIDE WILL BE PAVED TO THE EXISTING CURB LOCATIONS DURING PHASE 2 AS INDICATED ON THE TRAFFIC CONTORL PLANS.



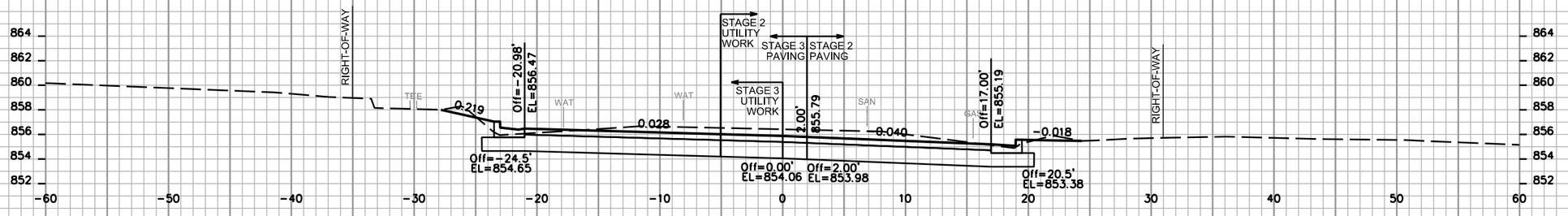
STA. 55+25



STA. 55+00



STA. 54+75



STA. 54+50

10 FT
10 FT

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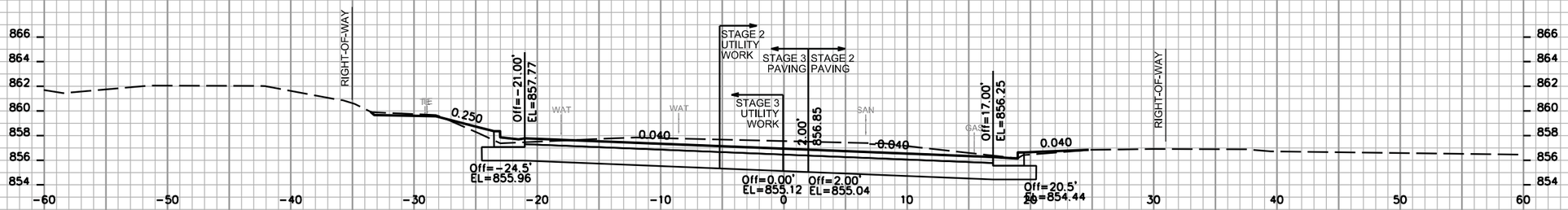
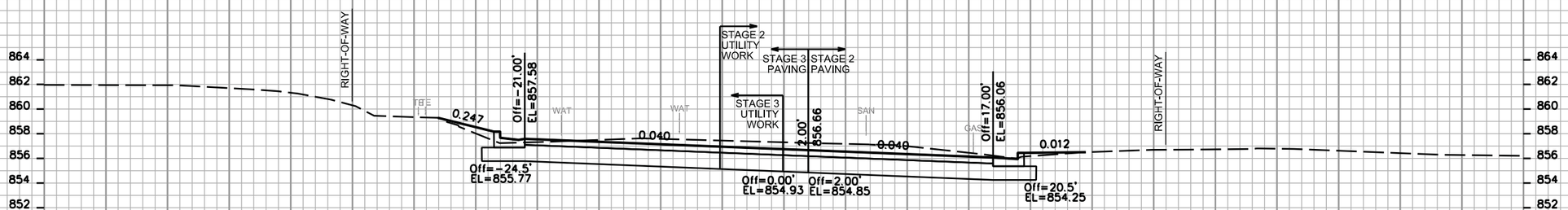
9

9

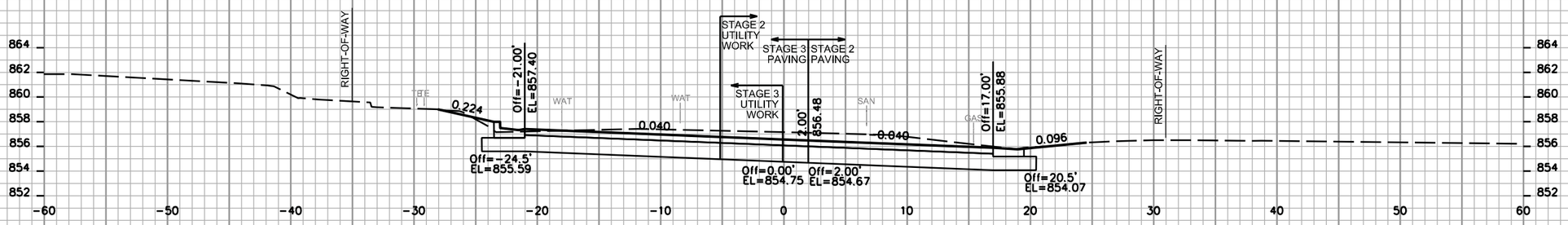
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 457	E



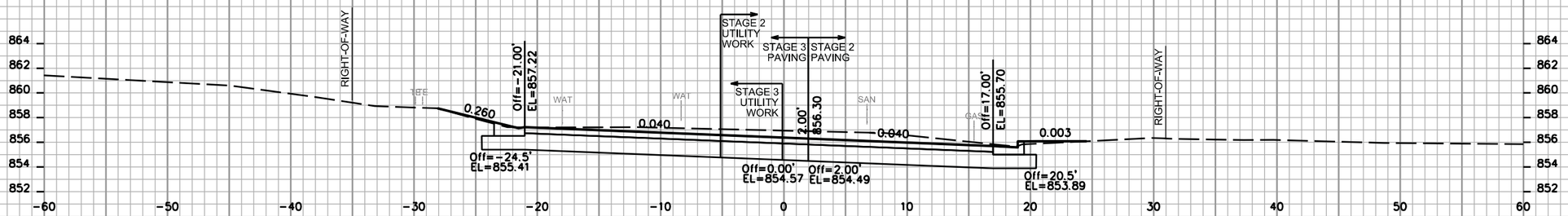
STA. 56+25



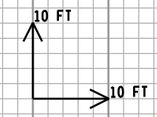
STA. 56+00



STA. 55+75



STA. 55+50



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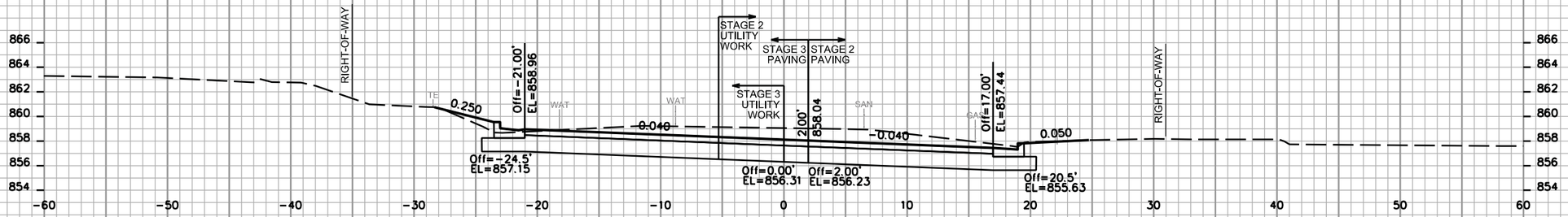
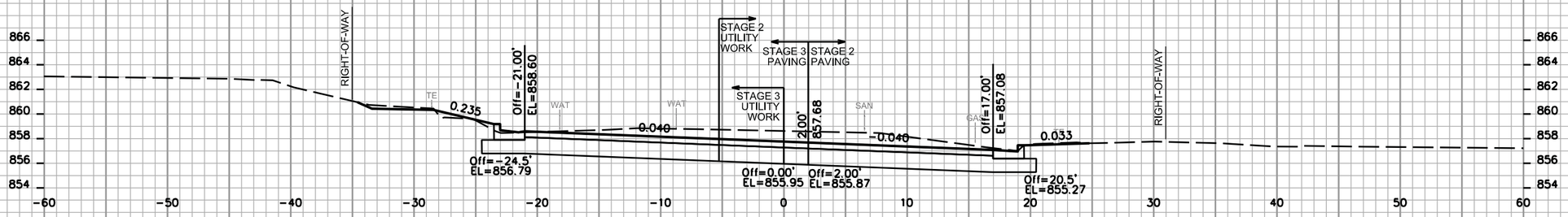
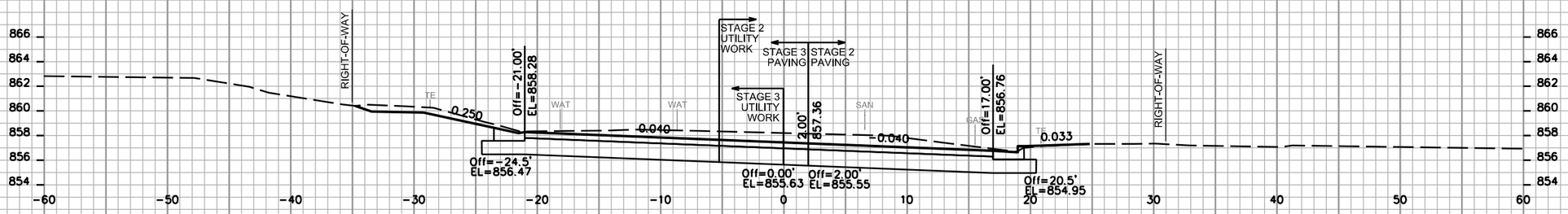
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 458	E



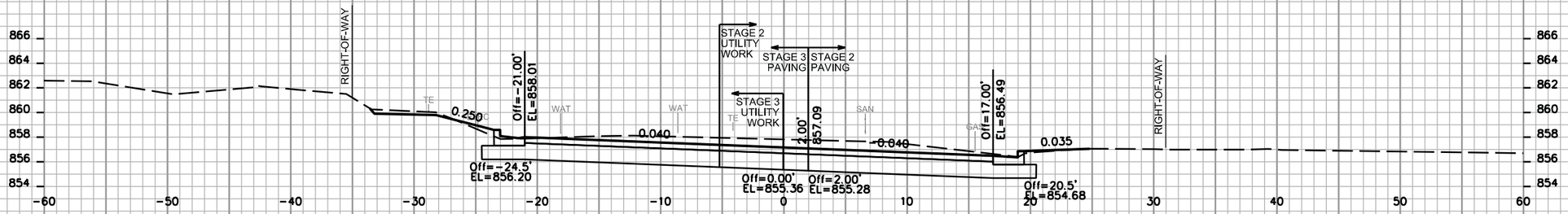
STA. 57+25



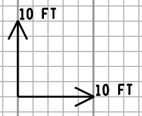
STA. 57+00



STA. 56+75



STA. 56+50



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PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 459	E

NOTES:

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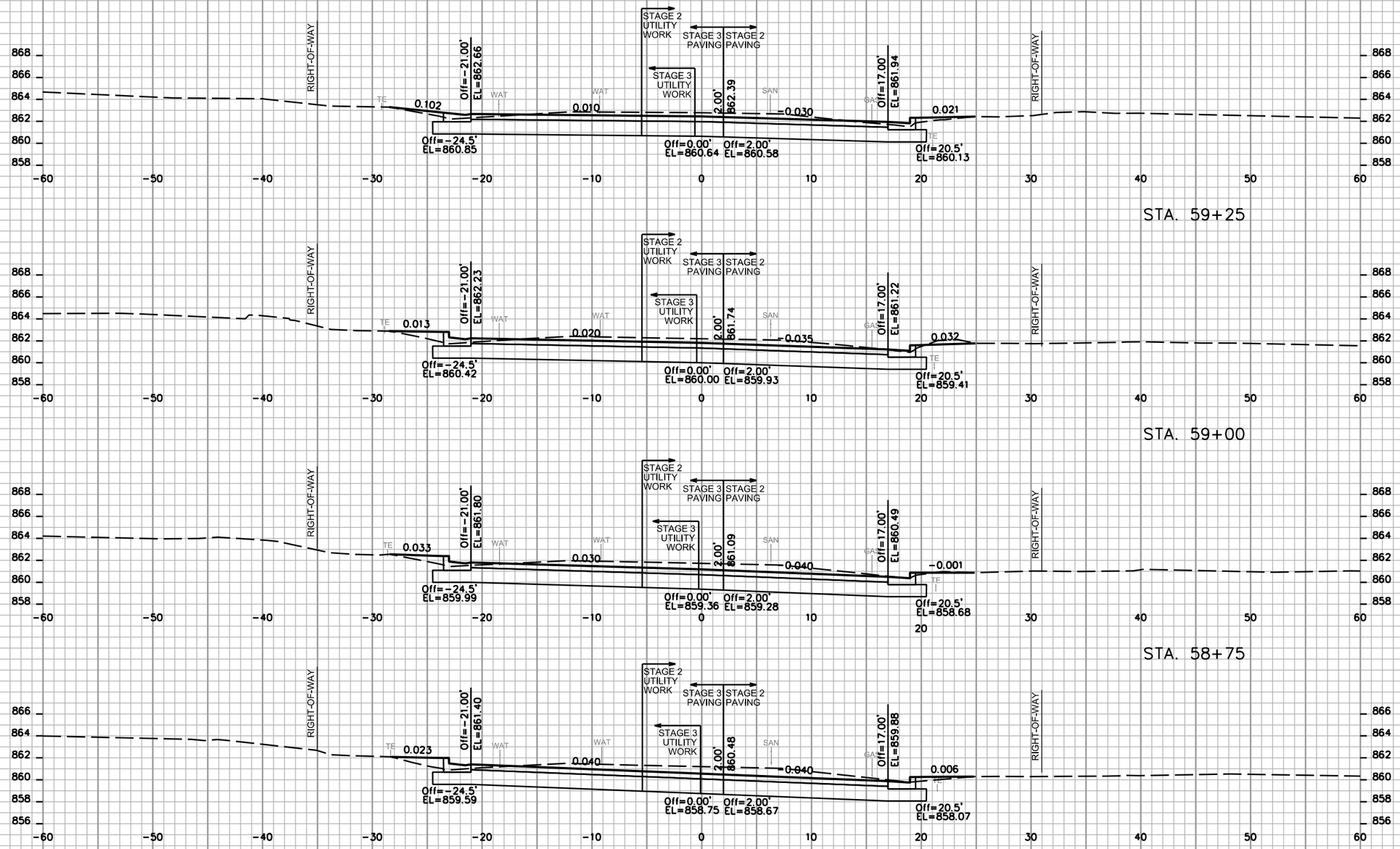

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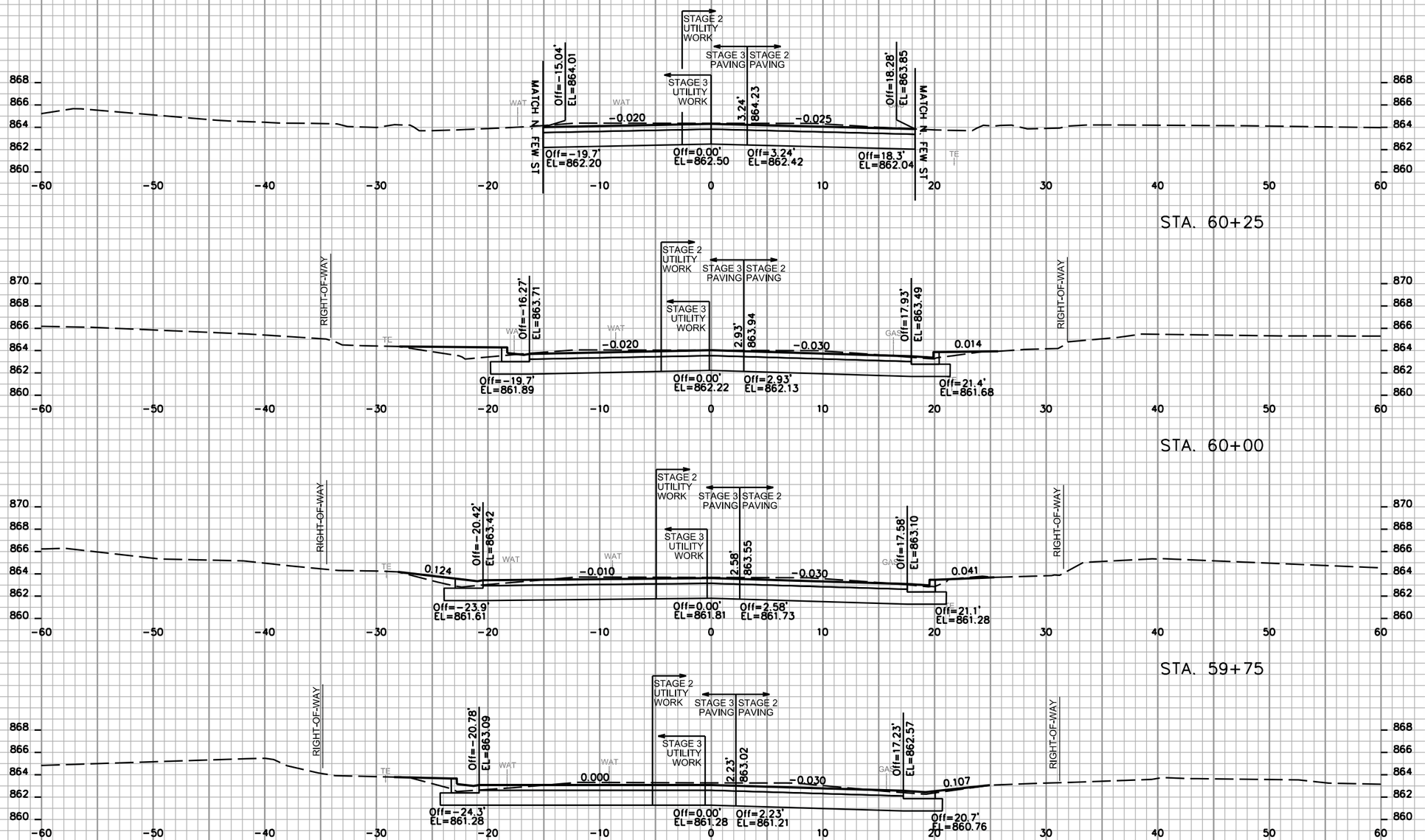
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 461	E



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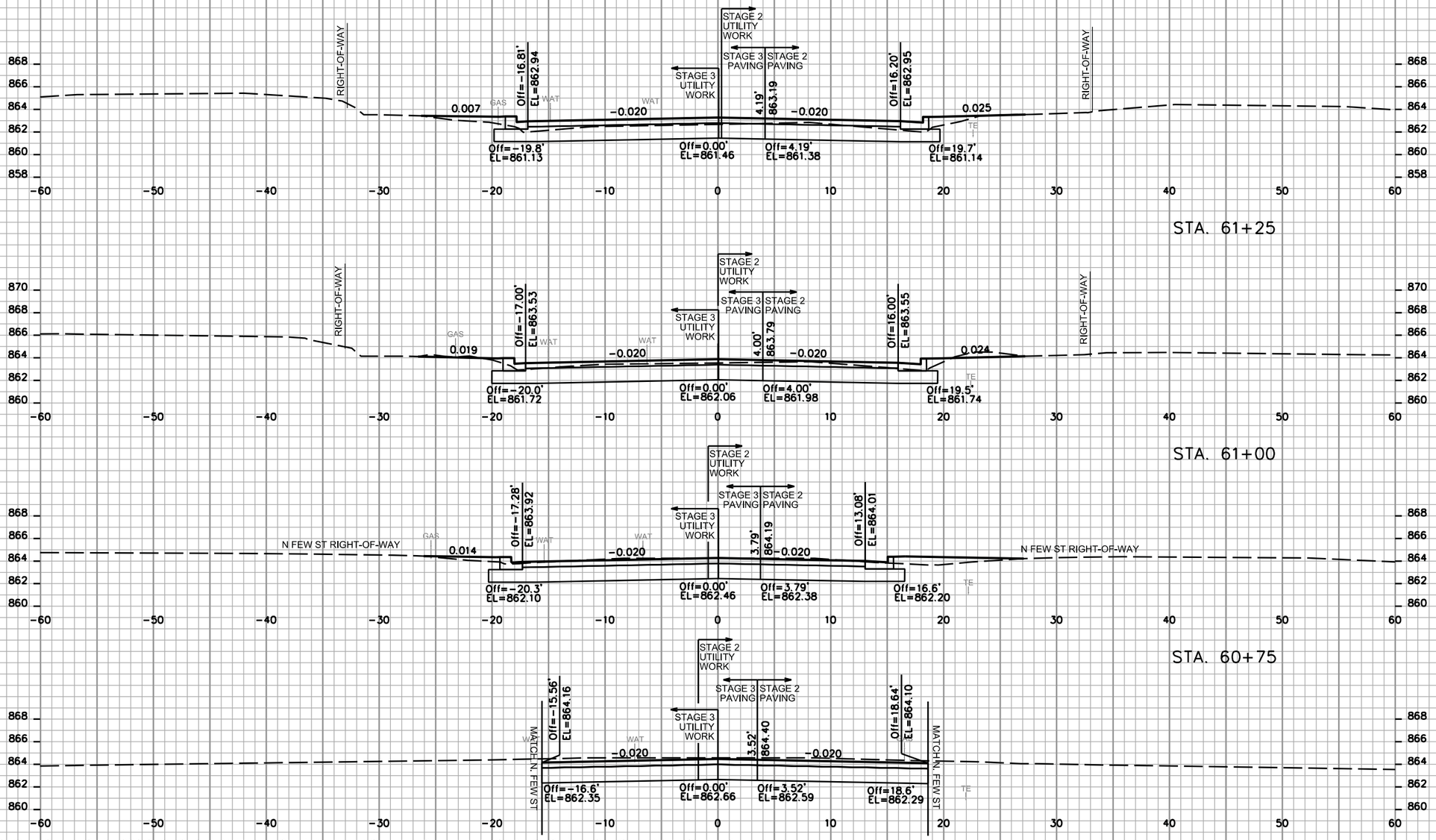
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 462	E



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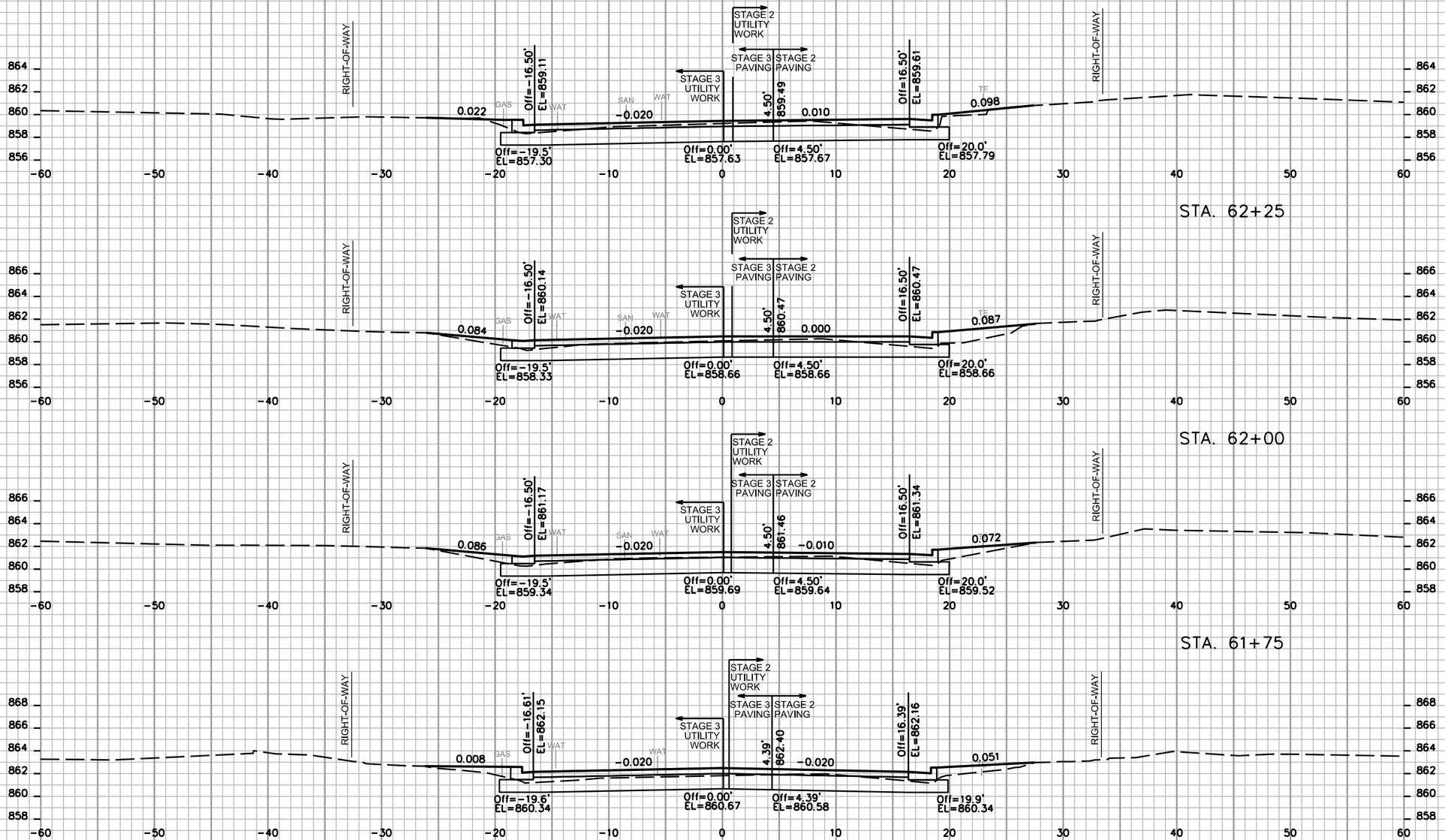
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 463	E



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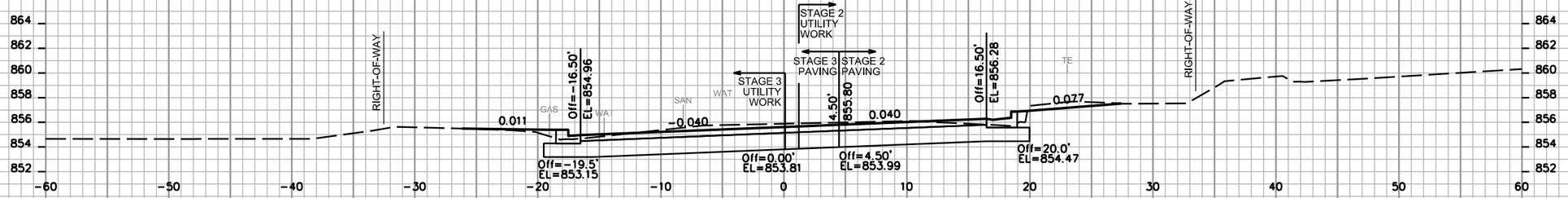
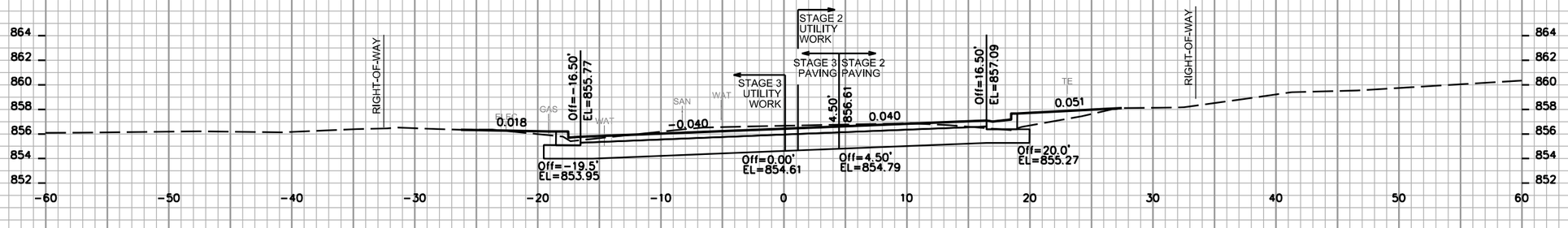
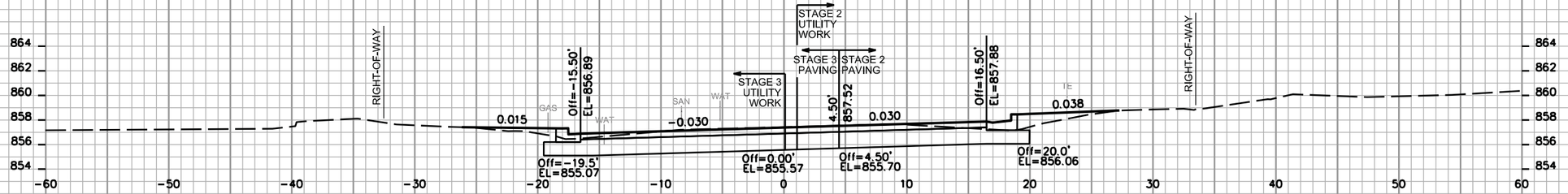
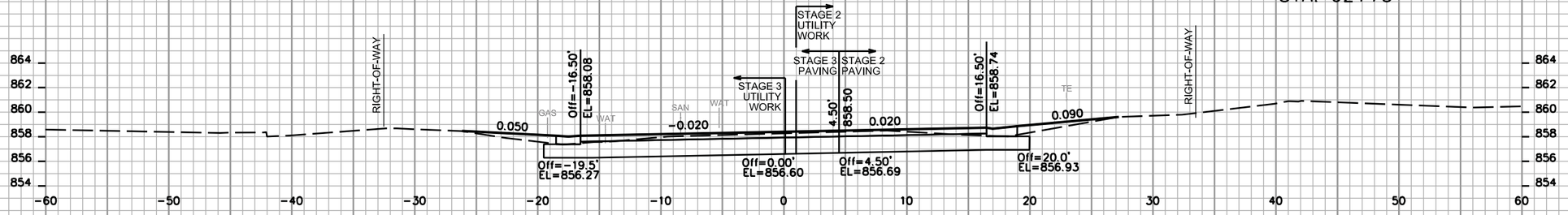
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 464	E

FILE NAME : M:\DESIGN\Projects\53W0740\Streets\Design\53W0740XSection_Final.dgn PLOT DATE : 11/25/2013 PLOT BY : enjmw PLOT NAME : PLOT SCALE : 10.0000 sf / in.
WISDOT/CADDS SHEET 21









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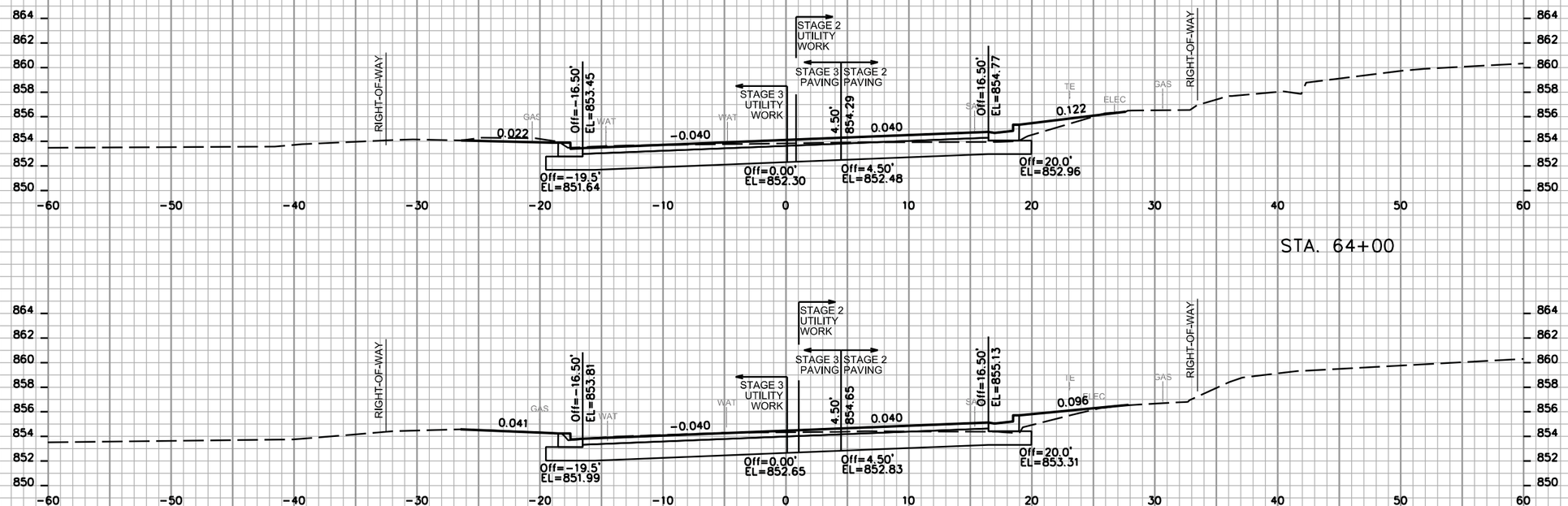
10 FT
10 FT

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 465	E



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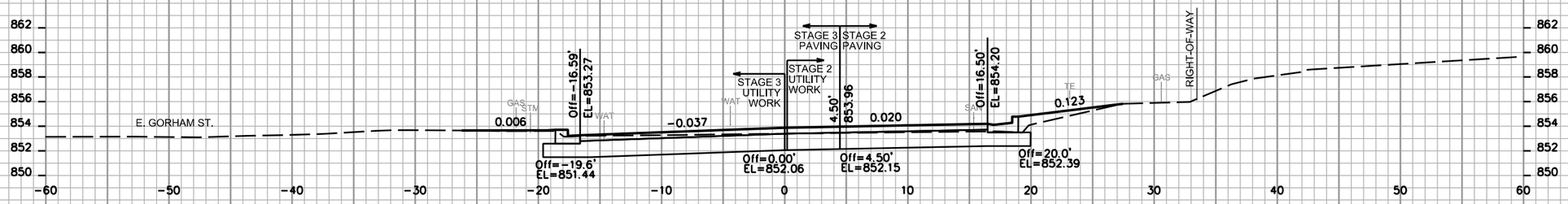
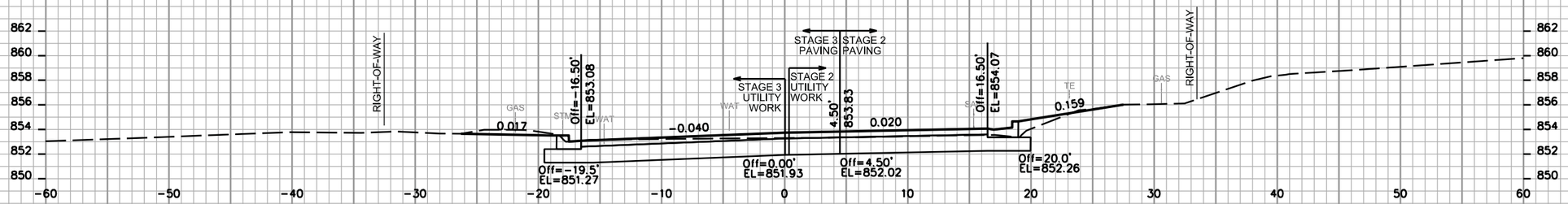
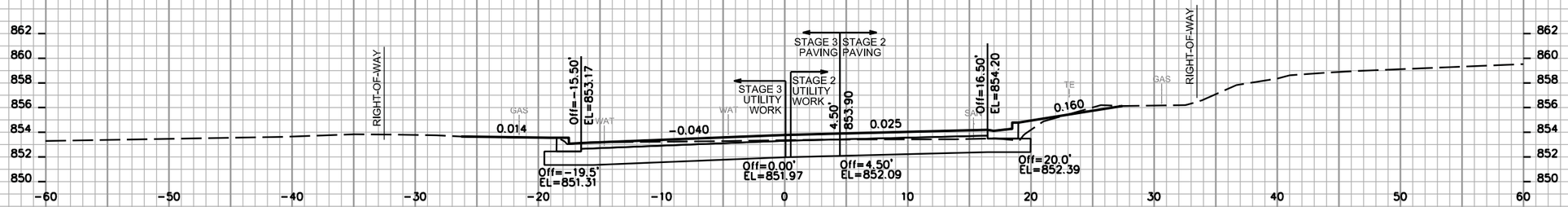
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 466 E



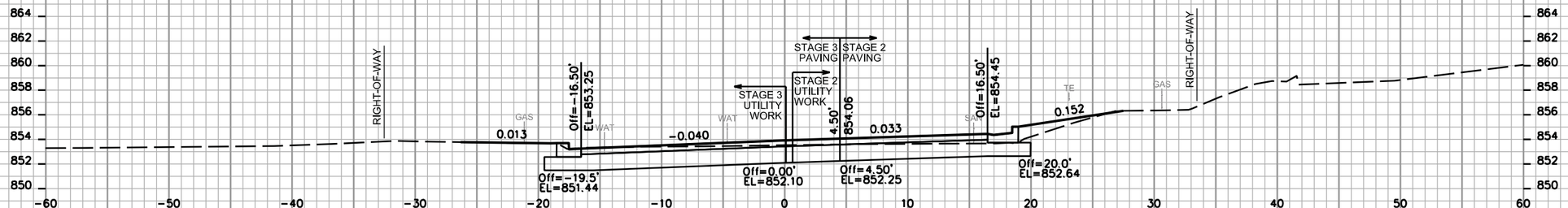
STA. 65+00



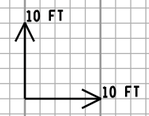
STA. 64+75



STA. 64+50



STA. 64+25



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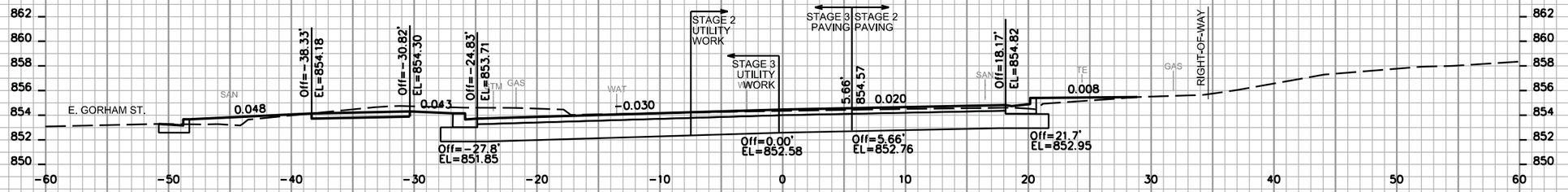
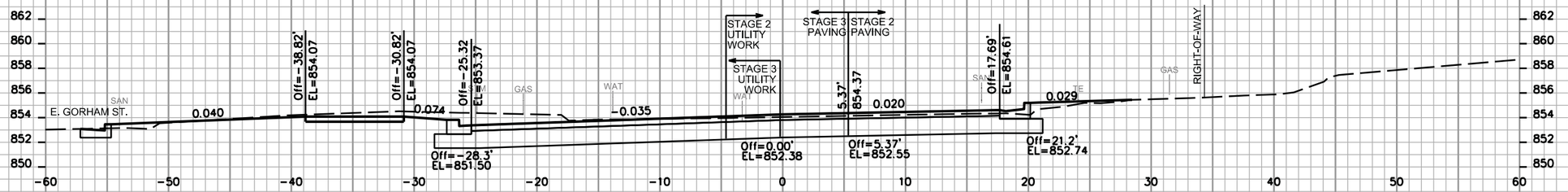
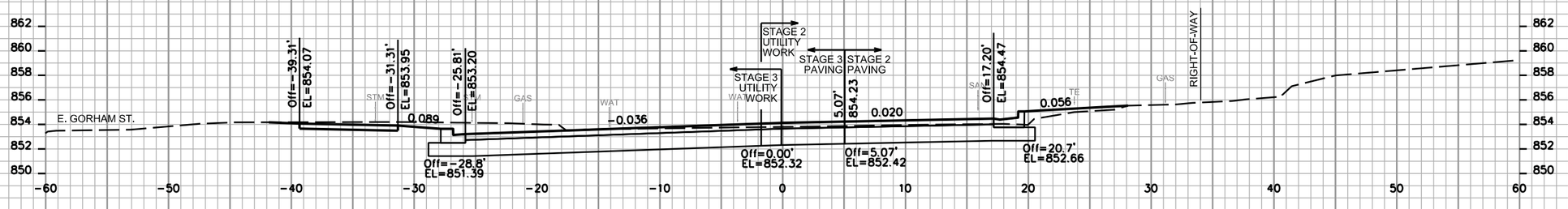
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 467	E



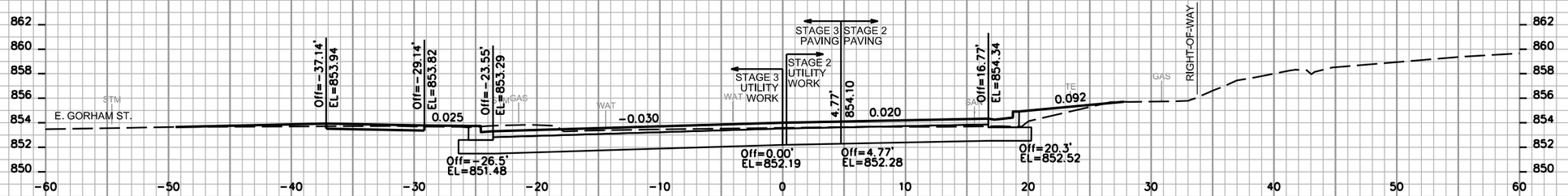
STA. 66+00



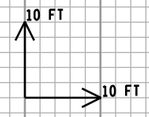
STA. 65+75



STA. 65+50



STA. 65+25



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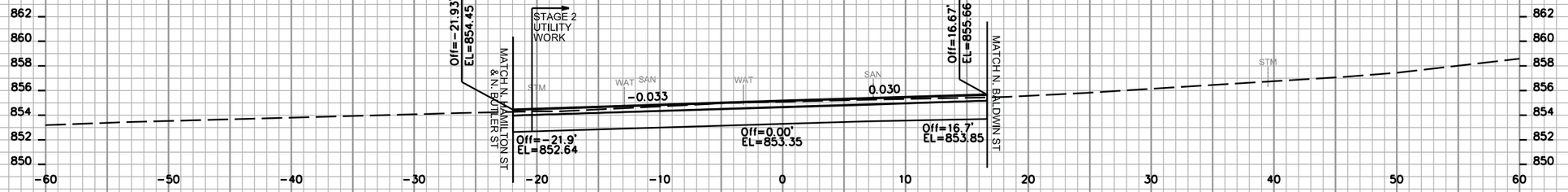
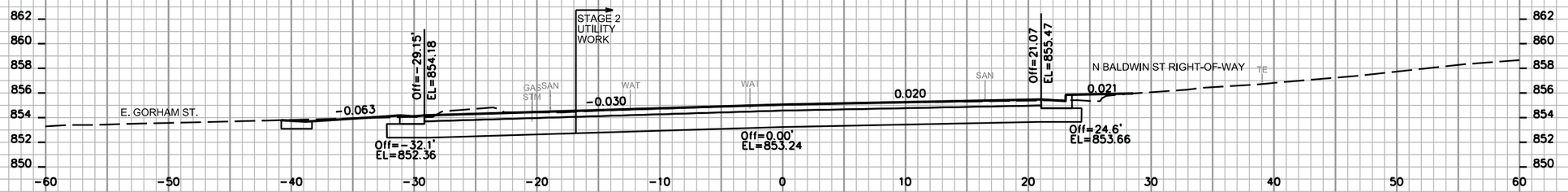
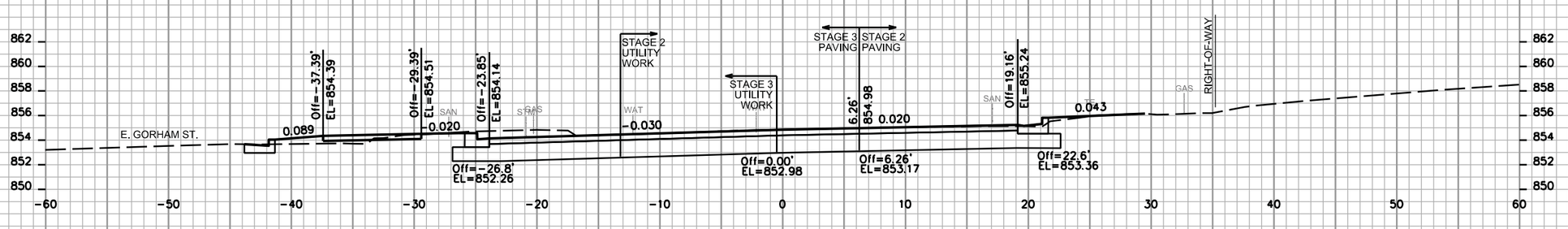
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 468	E



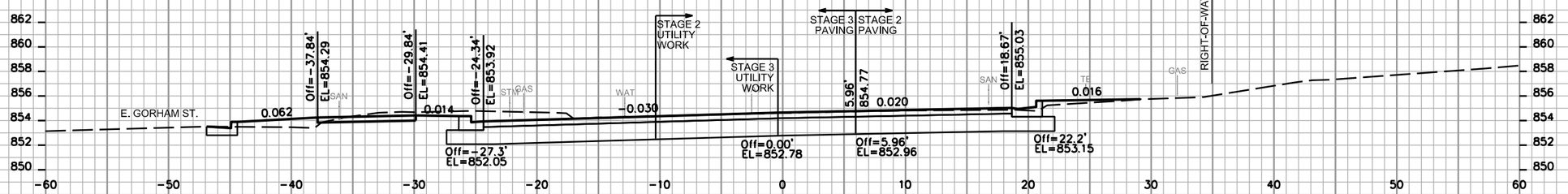
STA. 67+00



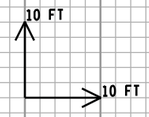
STA. 66+75



STA. 66+50



STA. 66+25

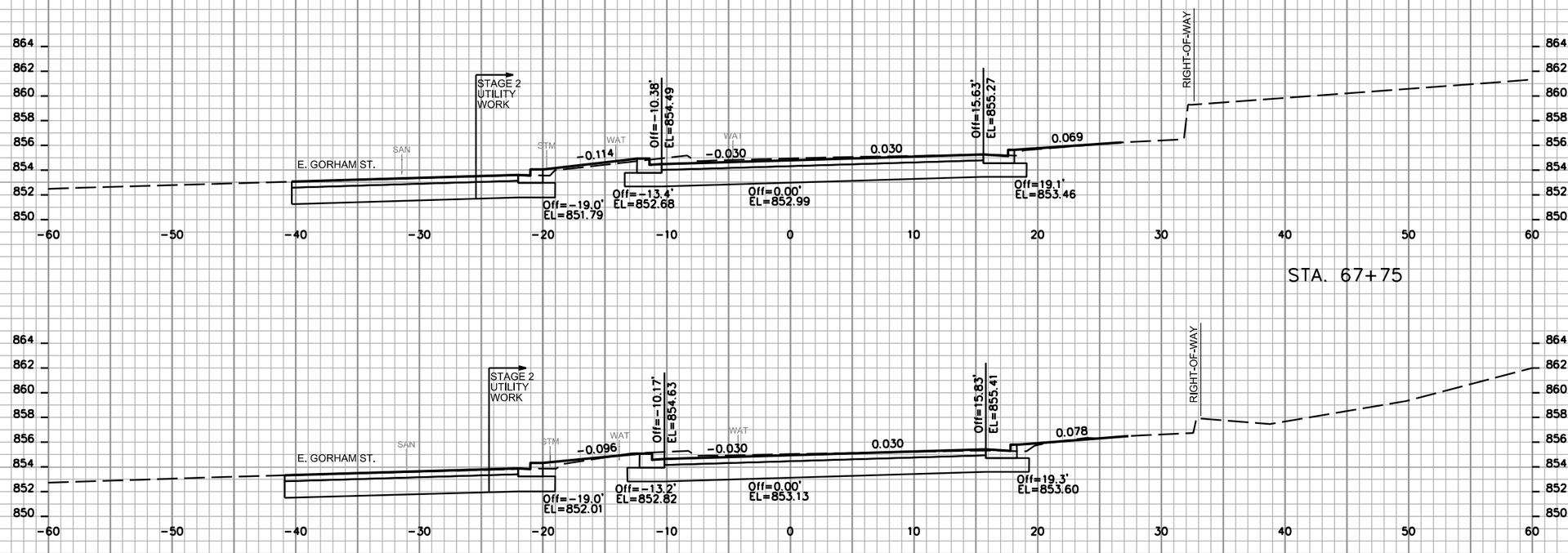


NOTES:
1. GRADING LIMITS AS SHOWN ON THESE CROSS SECTIONS MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS AND TO AVOID EXISTING TREES.

2. THE TRAFFIC CONTROL PLAN INCLUDES SUB-STAGES AT THE INTERSECTIONS IN ORDER TO MAINTAIN CROSS TRAFFIC. SEE TRAFFIC CONTROL PLANS FOR INFORMATION RELATED TO THE SUB-STAGES.

3. THESE CROSS SECTIONS REFLECT FINAL CURB LOCATIONS. THE CURB AT BUMPOUTS ON THE SOUTH (RIGHT) SIDE WILL BE CONSTRUCTED DURING STAGE 4; THE BUMPOUT AREAS ON THE RIGHT SIDE WILL BE PAVED TO THE EXISTING CURB LOCATIONS DURING PHASE 2 AS INDICATED ON THE TRAFFIC CONTORL PLANS.

PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 469 E



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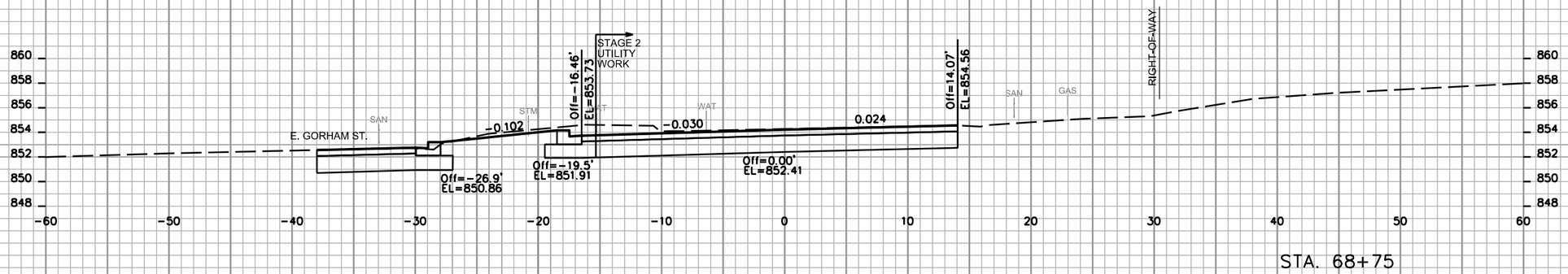
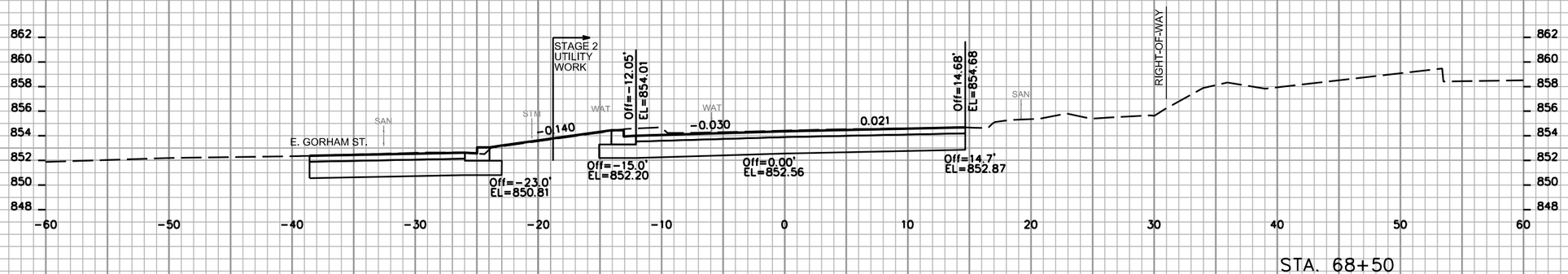
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 470 E

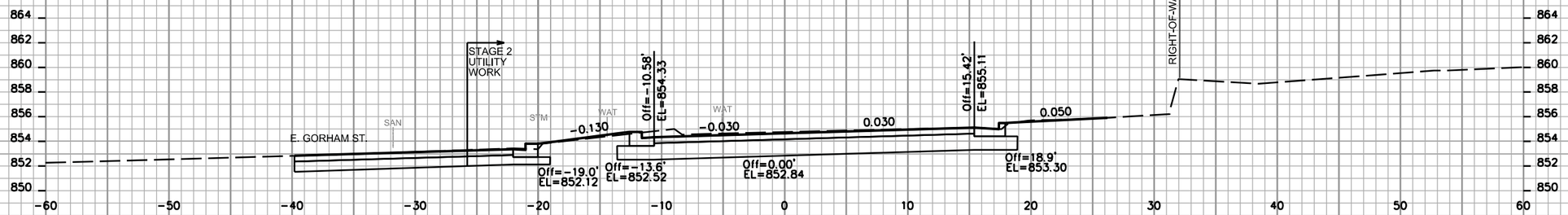


STA. 68+75



STA. 68+50

STA. 68+25



STA. 68+00

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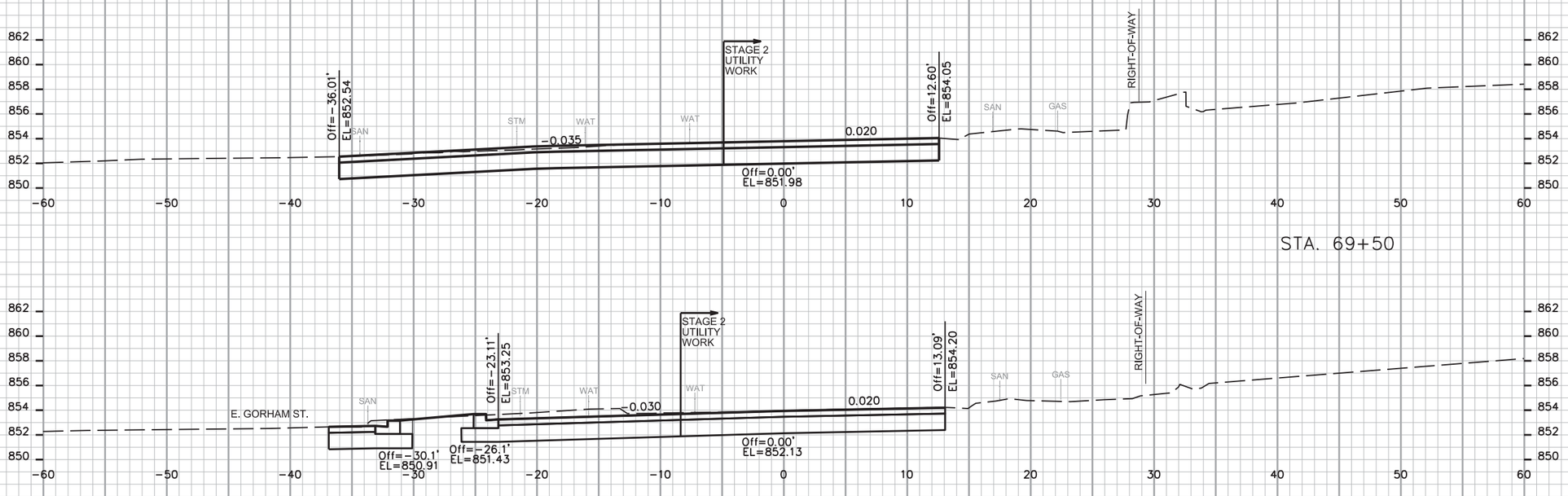
PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 471	E



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PROJECT NO: 5992-09-11	HWY: E JOHNSON STREET	COUNTY: DANE	CROSS SECTIONS: E JOHNSON STREET - STAGES 2 & 3	SHEET 472	E

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

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