SWL FEB 12

PROJECT ID: WITH: N/A

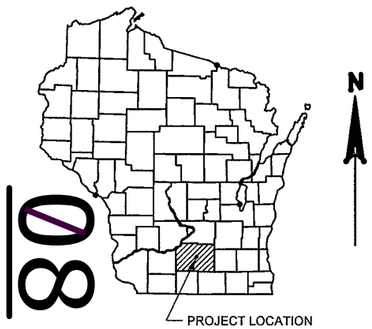
5994-00-71/75/76

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections, Details and 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 = 420



DESIGN DESIGNATION

	WINNEQUAH ROAD TO BUCKEYE ROAD	BUCKEYE ROAD TO COTTAGE GROVE ROAD
A.D.T. (2012)	= 21,270	= 26,310
A.D.T. (2032)	= 26,330	= 32,570
D.H.V.	= 2,896	= 3,583
D.D.	= 50-50	= 50-50
T.	= 4.1%	= 4.1%
DESIGN SPEED	= 35 MPH	= 35 MPH
ESALS	= 1,679,000	= 2,073,200

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS

PROPERTY LINE (PL + 58.1)

LOT LINE

LIMITED HIGHWAY EASEMENT

EXISTING RIGHT OF WAY

PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT (Box or Pipe)

ELECTRIC HAZARD (CAUTION)

COMBUSTIBLE FLUIDS (CAUTION)

MARSH AREA

WOODED OR SHRUB AREA

PROFILE

GRADE LINE

ORIGINAL GROUND

MARSH OR ROCK PROFILE (To be noted as such) (ROCK)

SPECIAL DITCH (LABEL)

GRADE ELEVATION (95.36)

CULVERT (Profile View)

UTILITIES

ELECTRIC (E)

FIBER OPTIC (FO)

GAS (G)

SANITARY SEWER (SAN)

STORM SEWER (SS)

TELEPHONE (T)

WATER (W)

UTILITY PEDESTAL

POWER POLE

TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MONONA DRIVE, CITY OF MONONA

(WINNEQUAH ROAD TO COTTAGE GROVE ROAD)

CTH BB

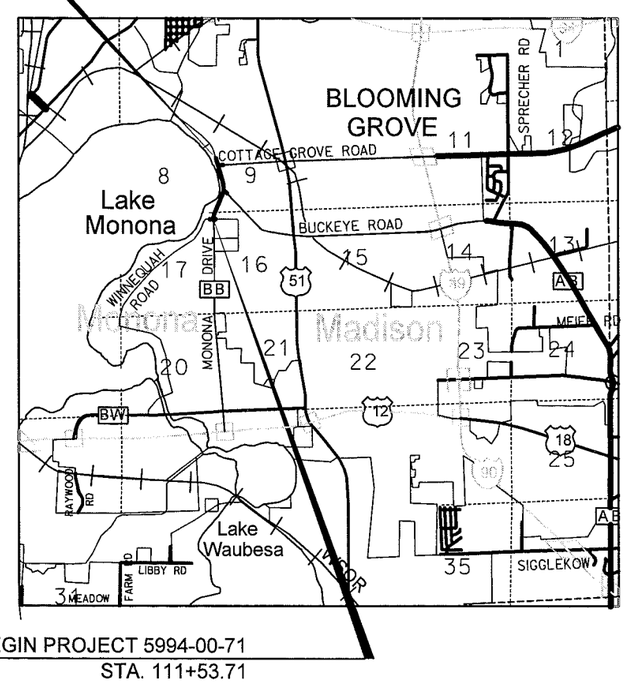
DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5994-00-71	WISC 2012068	1
5994-00-75	—	—
5994-00-76	—	—

STATE PROJECT NUMBER

5994-00-71/75/76

END PROJECT 5994-00-71
STA. 147+51.44
X=836819.64
Y=486609.93



BEGIN PROJECT 5994-00-71
STA. 111+53.71
X=836711.95
Y=483180.60

LAYOUT SCALE 0 500 FT

TOTAL NET LENGTH OF CENTERLINE = 0.681 MI. (URBAN)

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Dane County

Elevations on this plan are referenced to USGS (NAVD88)

ACCEPTED FOR DANE COUNTY HIGHWAY DEPARTMENT
8-1-11 DATE — (HIGHWAY COMMISSIONER)

ACCEPTED FOR CITY OF MADISON
8-1-11 DATE — (CITY ENGINEER)

ACCEPTED FOR CITY OF MONONA
8-1-11 DATE — DIRECTOR OF PUBLIC WORKS

ORIGINAL PLAN PREPARED BY:

Foth
Foth Infrastructure & Environment, LLC
1402 Pankratz Street, Suite 300
Madison, WI 53704
Phone 608-242-6600 Fax 608-242-6999

WISCONSIN PROFESSIONAL ENGINEER
CHRIS A. SAXBY
E-32744
MADISON
WI

7-28-11 DATE — CONSULTANT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	FOTH INFRASTRUCTURE & ENVIRONMENT, LLC
Designer	FOTH INFRASTRUCTURE & ENVIRONMENT, LLC
Management Consultant	KJOHNSON ENGINEERS, INC
C.O. Examiner	JANE ENGLEBRETSEN

APPROVED FOR THE DEPARTMENT
8/3/11 DATE — Kimberly A. Tehan (Signature)

E

UTILITIES

AT&T WISCONSIN
ANDY MADSEN
316 W. WASHINGTON AVE, ROOM 301
MADISON, WI 53703
OFFICE: (608) 252-2432
EMAIL: AM4171@ATT.COM

CHARTER COMMUNICATIONS
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2701 DANIELS ST
MADISON, WI 53718
OFFICE: (608) 274-3822 EXT 6741
EMAIL: MATT.BROWN@CHARTERCOM.COM

MADISON GAS & ELECTRIC
MARK BOHM (ELECTRIC)
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CELL: (608) 516-7930
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MADISON GAS & ELECTRIC
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5211 SCHLUTER ROAD
MONONA, WI 53716
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EMAIL: DSTEPHANY@CI.MONONA.WI.US

CITY OF MADISON
CHRISTY BACHMAN
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING JR. BLVD
MADISON, WI 53703-3342
OFFICE: (608) 266-4095
EMAIL: CBACHMAN@CITYOFMADISON.COM

CITY OF MADISON WATER UTILITY
TAMMY BUSS
119 EAST OLIN AVENUE
MADISON, WI 53713
OFFICE: (608) 575-7658
EMAIL: TBUSS@CITYOFMADISON.COM

CITY OF MADISON SEWER UTILITY
JOHN FAHRNEY
1600 EMIL STREET
MADISON, WI 53713
OFFICE: (608) 266-9091
EMAIL: FFAHRNEY@CITYOFMADISON.COM

MADISON METROPOLITAN SEWERAGE DISTRICT
DON LYTHJOHAN
1610 MOOORLAND ROAD
MADISON, WI 53713-3398
OFFICE: (608) 222-1201 EXT. 242
MOBILE: (608) 695-7091
EMAIL: DONL@MADSEWER.ORG

DIGGERS HOTLINE

DIAL 811 OR
Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

DNR LIAISON **

AMANDA CUSHMAN
WISDNR - SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711-5397
OFFICE: (608) 275-3485
EMAIL: AMANDA.CUSHMAN@WISCONSIN.GOV

DESIGN CONTACT **

FOTH INFRASTRUCTURE & ENVIRONMENT, LLC
CHRIS SAXBY
1402 PANKRATZ STREET, SUITE 300
MADISON, WI 53704
OFFICE: (608) 242-5942
EMAIL: CHRIS.SAXBY@FOTH.COM

DANE COUNTY **

DANE COUNTY HIGHWAY DEPARTMENT
PAM DUNPHY, PE
2302 FISH HATCHERY ROAD
MADISON, WI 53703-2495
OFFICE: (608) 266-4036
FAX: (608) 266-4269
EMAIL: DUNPHY@CO.DANE.WI.US

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
SANITARY SEWER
WATER MAIN
LANDSCAPING
PAVEMENT MARKING AND SIGNING
SIGNAL/LIGHTING PLAN
TRAFFIC CONTROL
ALIGNMENT DATA
BENCHMARK AND CONTROL POINT DATA

STANDARD ABBREVIATIONS

A.D.T.	AVERAGE DAILY TRAFFIC
B.M.	BENCHMARK
D.H.V.	DESIGN HOUR VOLUME
D.	DIRECTIONAL DISTRIBUTION
FERT.	FERTILIZER
H.W.	HIGH WATER
CWT.	HUNDREDWEIGHT
L.S.	LUMP SUM
OBS.	OBSERVED
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENT
T.	TRUCK (PERCENT OF)
T.L.E.	TEMPORARY LIMITED EASEMENT
UNCL.	UNCLASSIFIED
V.C.	VERTICAL CURVE

GENERAL NOTES

NO TREES (AND/OR SHRUBS) ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

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 OR TURNING LANE.

THE CONTROL SURVEY CONDUCTED FOR THIS PROJECT MET THIRD ORDER CONTROL SURVEY SPECIFICATIONS.

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

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT, SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

EXISTING STORM SEWER SIZES SHOWN ON THE PLAN ARE APPROXIMATE AND THE CONTRACTOR WILL BASE IT'S BID ON THE ACTUAL FIELD SIZE.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO ABUT AN EXISTING PAVED SURFACE.

A 20% EXPANSION FACTOR WAS USED TO CALCULATE FILL QUANTITIES.

ALL PLAN VIEW CURB RADII ARE SHOWN TO THE BACK OF CURB.

ALL CURB ELEVATIONS SHOWN ARE AT THE BACK TOP OF CURB.

EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL RADII POINTS ON THE CURB AND GUTTER
.

EXACT LOCATIONS OF DRIVEWAYS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

5.5" HMA PAVEMENT TYPE E-3 SHALL BE PLACED WITH ONE 3.5 INCH LOWER LAYER (PG 64-22, 19 mm) AND ONE 2 INCH UPPER LAYER (PG 64-28, 12.5 mm). HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 110 LBS/(SY-IN).

ASPHALTIC COMMERCIAL AND PRIVATE ENTRANCES WILL BE MATCHED WITH A BUTT JOINT EXCEPT WHEN IN A DETERIORATED CONDITION, IN WHICH CASE A FEATHERED JOINT WILL BE PERMITTED.

PRIVATE, COMMERCIAL AND FIELD ENTRANCES SHALL BE RESTORED IN KIND TO EXISTING CONDITIONS OR AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

CONSTRUCTION LIMITS ON PRIVATE, COMMERCIAL AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER. ALL BUSINESS AND RESIDENTIAL DRIVEWAYS SHALL REMAIN OPEN DURING CONSTRUCTION. TEMPORARY CLOSINGS WILL BE NECESSARY AND ALLOWED AS APPROVED BY THE ENGINEER IN CONSULTATION WITH BUSINESS OR RESIDENT.

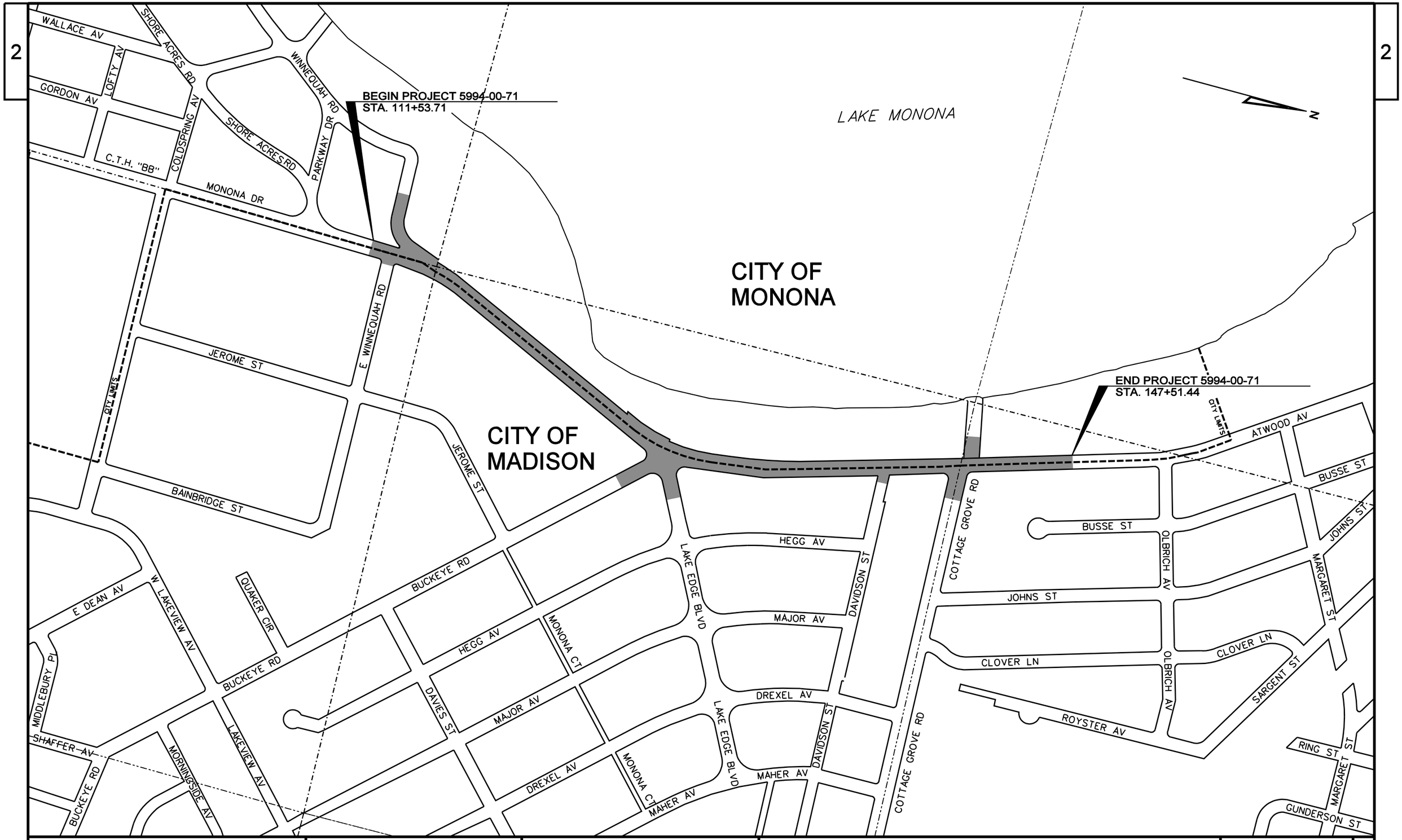
INLETS SHALL BE COVERED AS NECESSARY TO PREVENT CONSTRUCTION MATERIALS FROM FALLING INTO THE INLETS.

WHEN THE QUANTITY OF BASE AGGREGATE DENSE 3/4-INCH OR 1 1/4-INCH, OR HMA PAVEMENT TYPE E-3 IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL DEPTH MAY VARY DEPENDING ON THE ACTUAL DISTRIBUTION OF THE MATERIAL AS APPROVED BY THE ENGINEER IN THE FIELD.

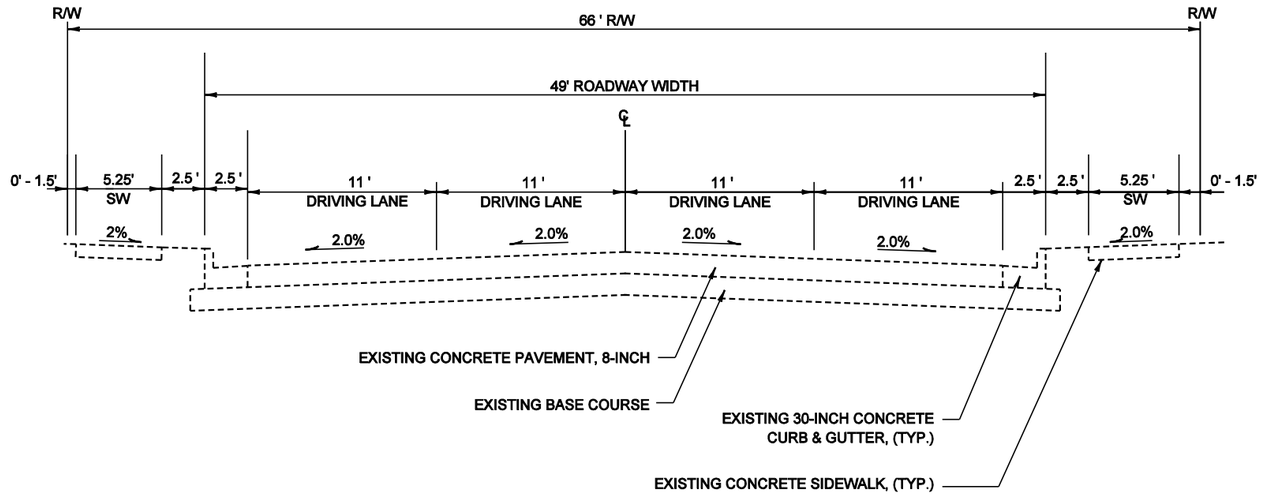
DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE TOPSOILED, FERTILIZED, SEEDED AND EROSION MATTED.

ANY PROPOSED CHANGES BY THE CONTRACTOR TO TRAFFIC CONTROL DEVICES/STAGING SHALL BE PRESENTED TO THE ENGINEER IN WRITING A MINIMUM OF 72 HOURS PRIOR TO INSTALLATION FOR REVIEW & APPROVAL.

WHEN A NEW OR EXISTING STORM SEWER INLET FALLS WITHIN THE LIMITS OF TEMPORARYPAVEMENT CONTRACTOR SHALL INSTALL A FLAT GRATE IN THE CASTING UNTIL TEMPORARY PAVEMENT IS REMOVED. AFTER REMOVING TEMPORARY PAVEMENT CONTRACTOR SHALL INSTALL NORMAL CURB BOX AND GRATE PRIOR TO PLACING NEW CURB & GUTTER.



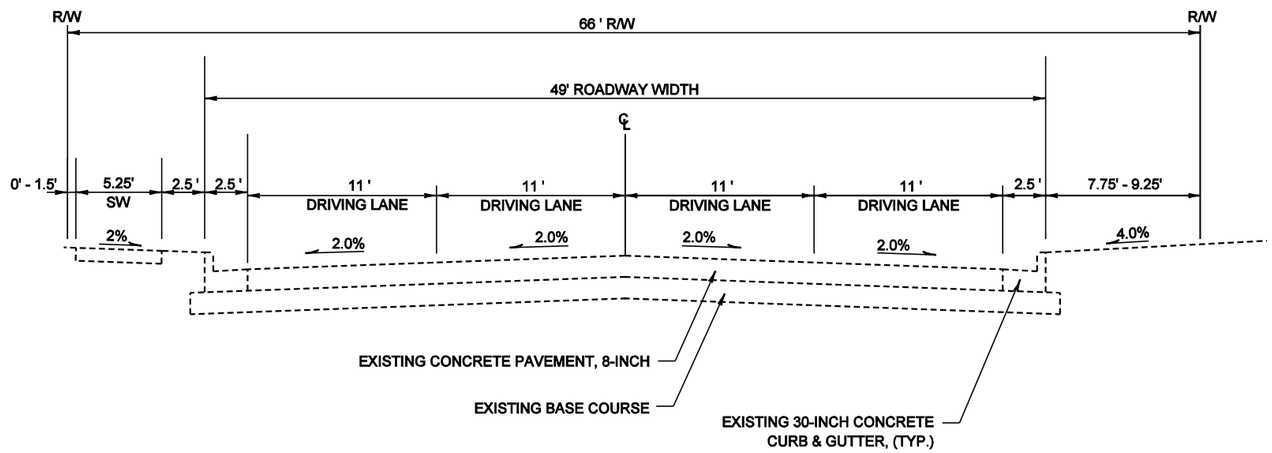
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PROJECT OVERVIEW	SHEET NO: 3	E



EXISTING TYPICAL SECTION

MONONA DRIVE

STA. 128+50 TO STA. 147+50.59



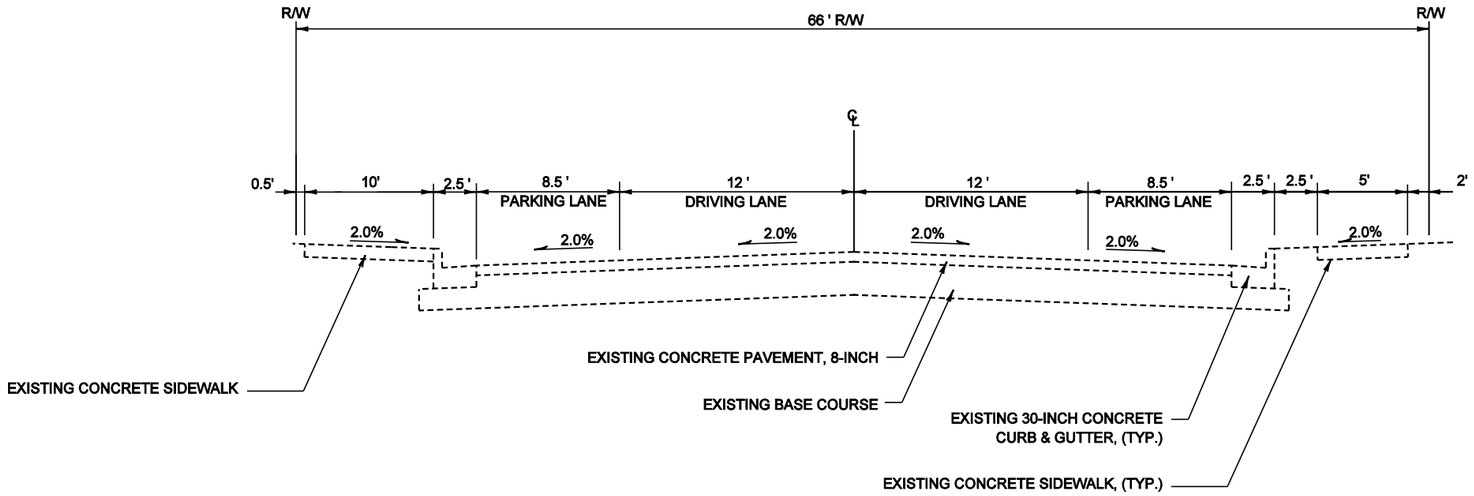
EXISTING TYPICAL SECTION

MONONA DRIVE

STA. 111+53.70 TO STA. 128+50.00

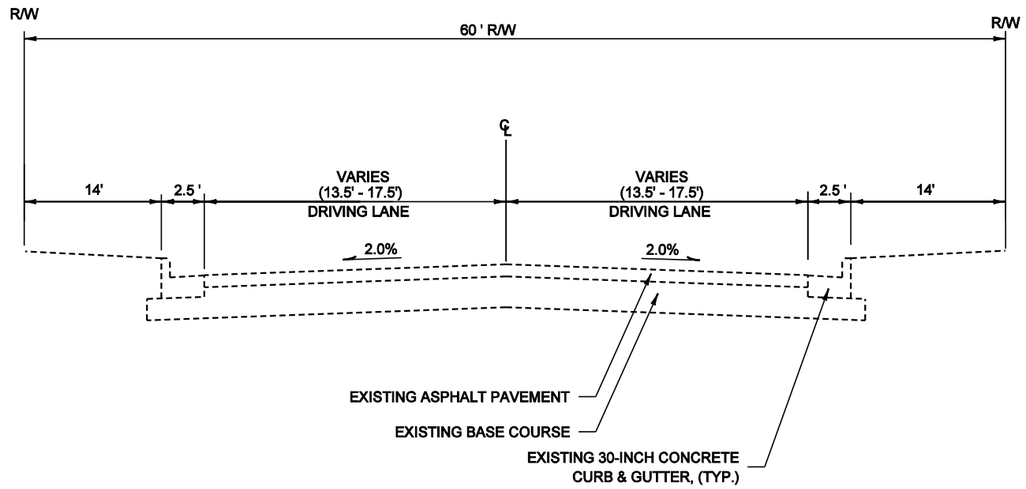
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 4	E

2



EXISTING TYPICAL SECTION

BUCKEYE ROAD



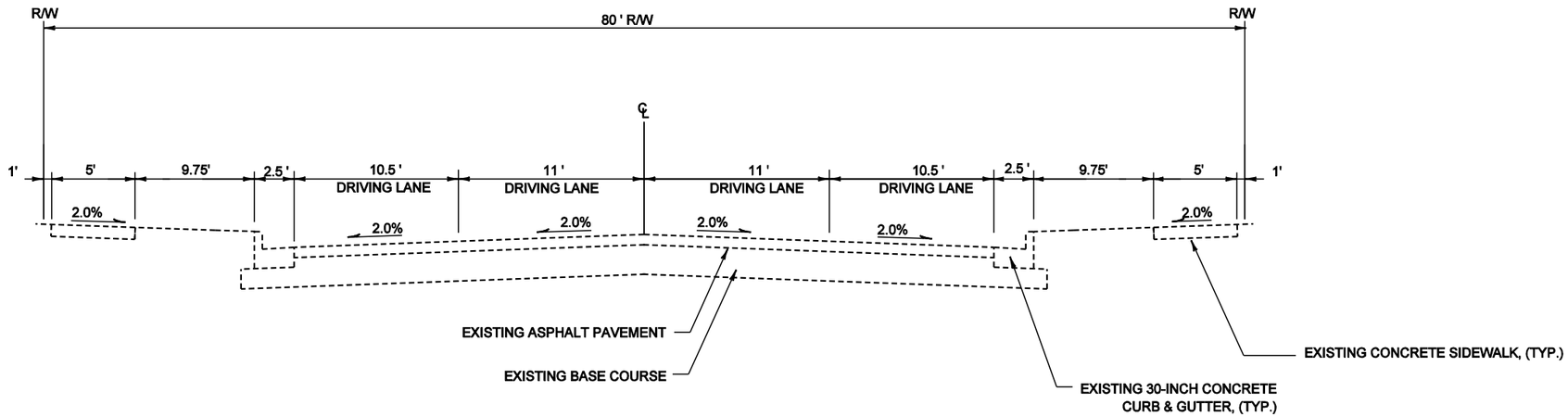
EXISTING TYPICAL SECTION

WINNEQUAH ROAD

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 5	E

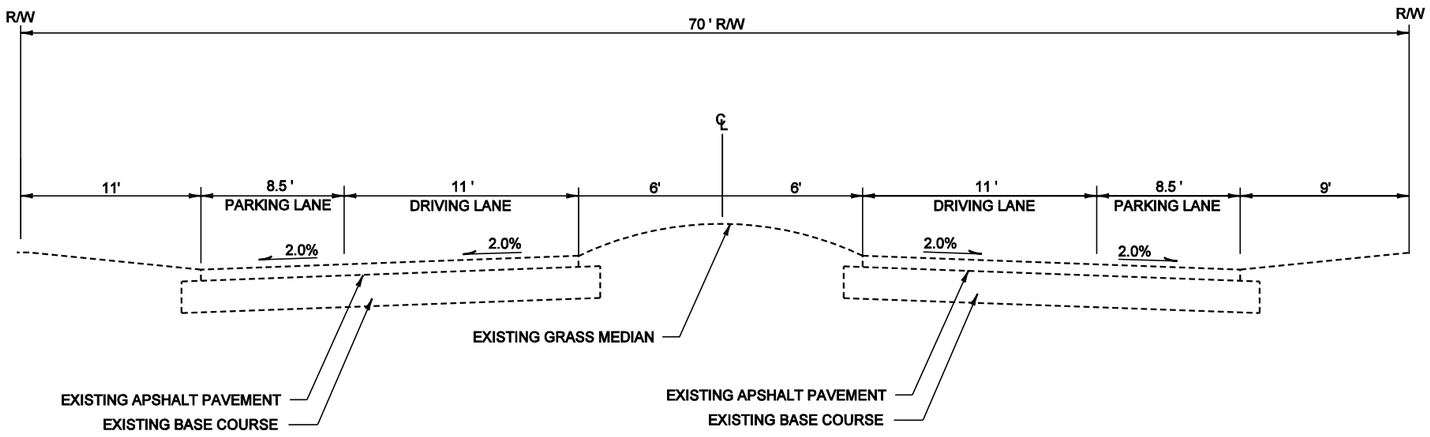
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2



EXISTING TYPICAL SECTION

COTTAGE GROVE ROAD

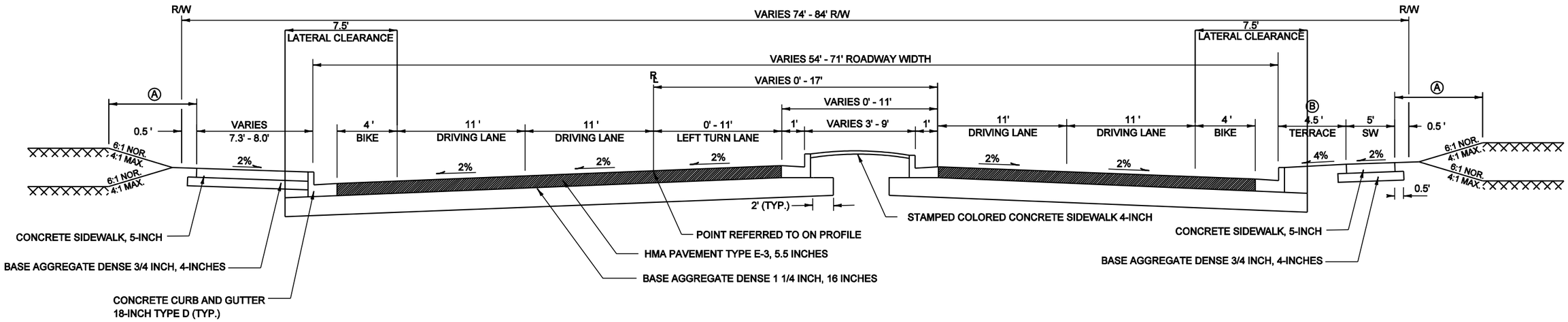


EXISTING TYPICAL SECTION

LAKE EDGE BOULEVARD

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 6	E

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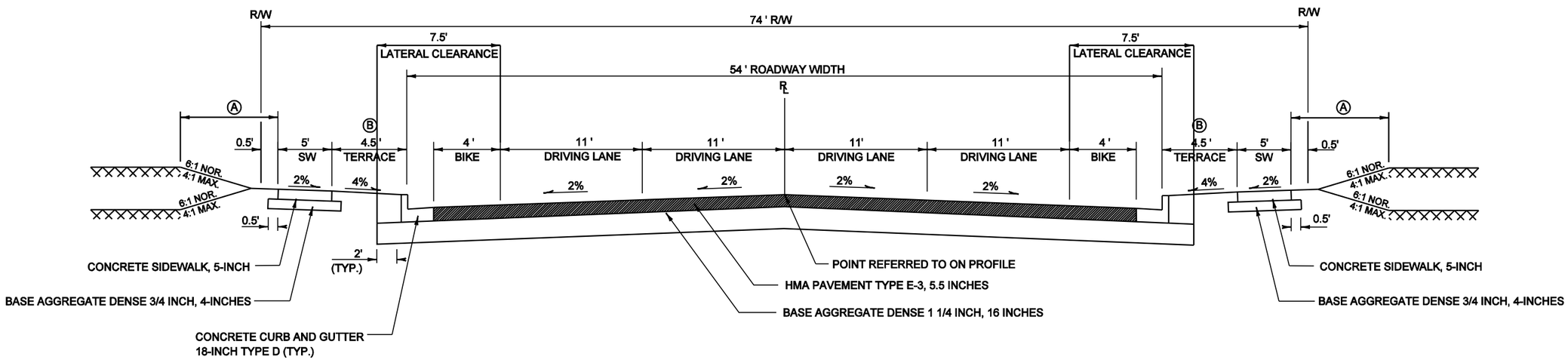


FINISHED TYPICAL SECTION

STA. 125+48.90 TO STA. 132+21.55
STA. 138+77.39 TO STA. 143+43.50

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

Ⓑ TOPSOIL; SOD LAWN



FINISHED TYPICAL SECTION

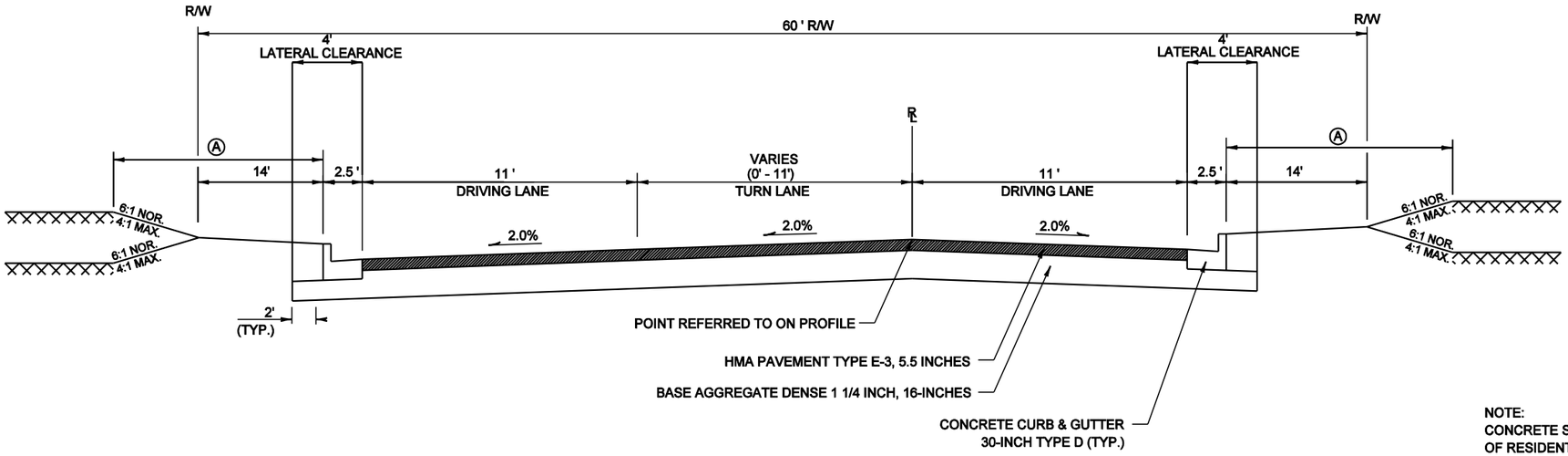
STA. 111+53.71 TO STA. 125+48.90
STA. 132+21.55 TO STA. 138+77.39

NOTE:
CONCRETE SIDEWALK, 6-INCH TO BE PLACED IN LIMITS OF RESIDENTIAL DRIVEWAYS

CONCRETE SIDEWALK, 7-INCH TO BE PLACED IN LIMITS OF COMMERCIAL DRIVEWAYS

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 7	E

FILE NAME : x:\md\le\2006\08m085\cad\plans\Typical Sections.dgn PLOT TIME : 11:59:32 AM PLOT DATE : 12/9/2011 PLOT BY : cas1



FINISHED TYPICAL SECTION

WINNEQUAH ROAD

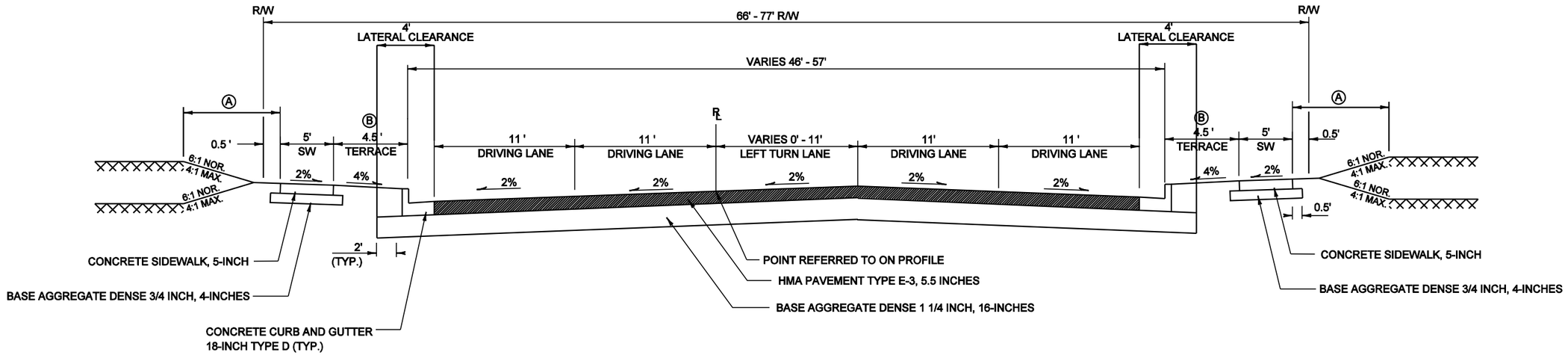
STA 7+19 TO STA 8+61

NOTE:
CONCRETE SIDEWALK, 6-INCH TO BE PLACED IN LIMITS OF RESIDENTIAL DRIVEWAYS

CONCRETE SIDEWALK, 7-INCH TO BE PLACED IN LIMITS OF COMMERCIAL DRIVEWAYS

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

Ⓑ TOPSOIL; SOD LAWN



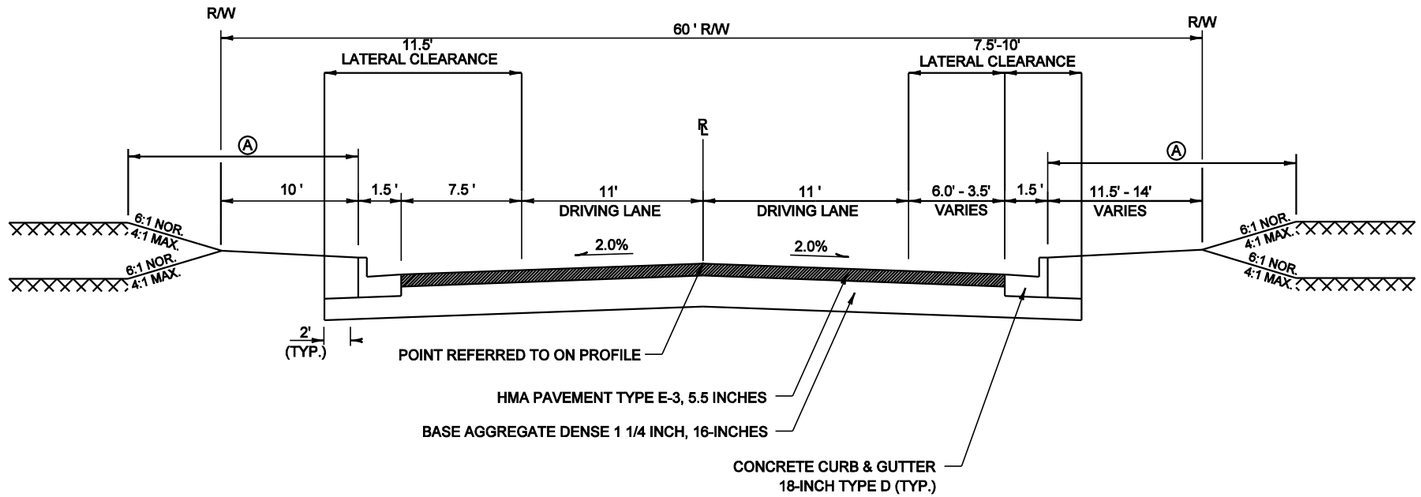
FINISHED TYPICAL SECTION

STA. 143+43.50 TO STA. 147+50.59

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 8	E

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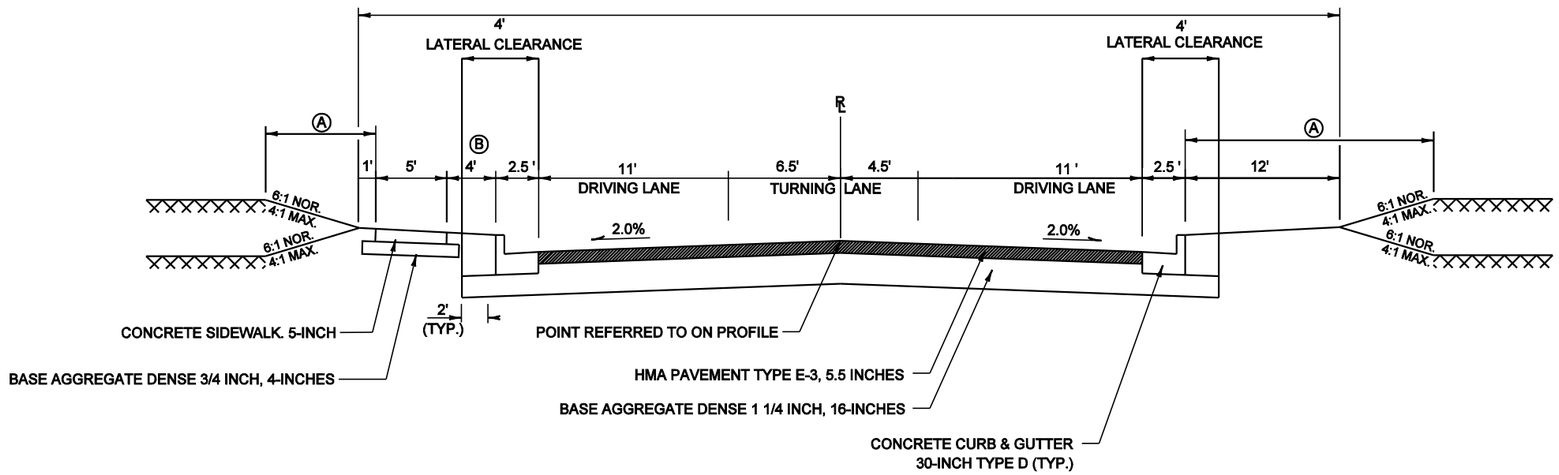
WISDOT/CADDS SHEET 41



FINISHED TYPICAL SECTION

WINNEQUAH ROAD

STA 10+00 TO STA 11+50



FINISHED TYPICAL SECTION

WINNEQUAH ROAD

STA 8+61 TO STA 10+00

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

Ⓑ TOPSOIL; SOD LAWN

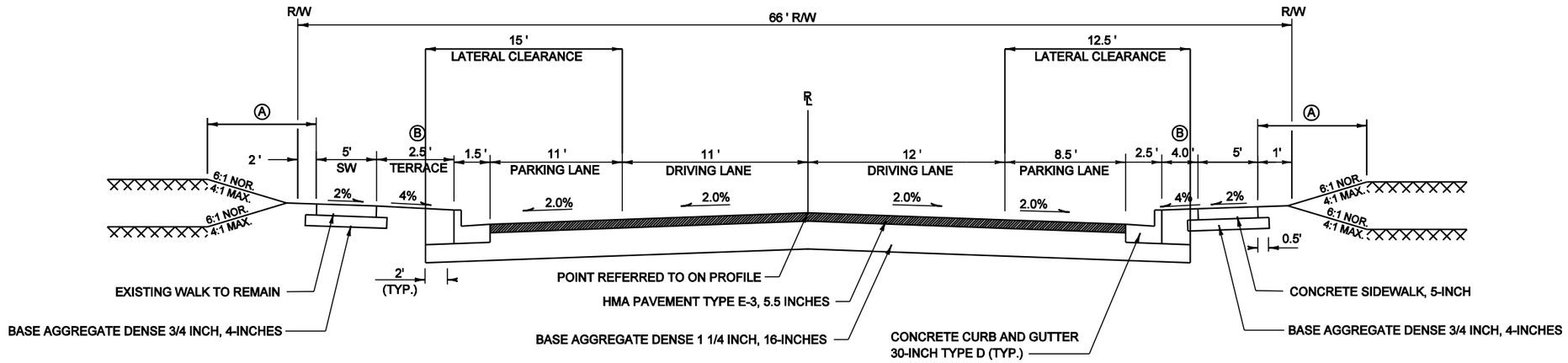
NOTE:
CONCRETE SIDEWALK, 6-INCH TO BE PLACED IN LIMITS OF RESIDENTIAL DRIVEWAYS

CONCRETE SIDEWALK, 7-INCH TO BE PLACED IN LIMITS OF COMMERCIAL DRIVEWAYS

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 9	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\Typical Sections.dgn PLOT TIME : 11:59:36 AM PLOT DATE : 12/9/2011 PLOT BY : cas1

WISDOT/CADDS SHEET 41



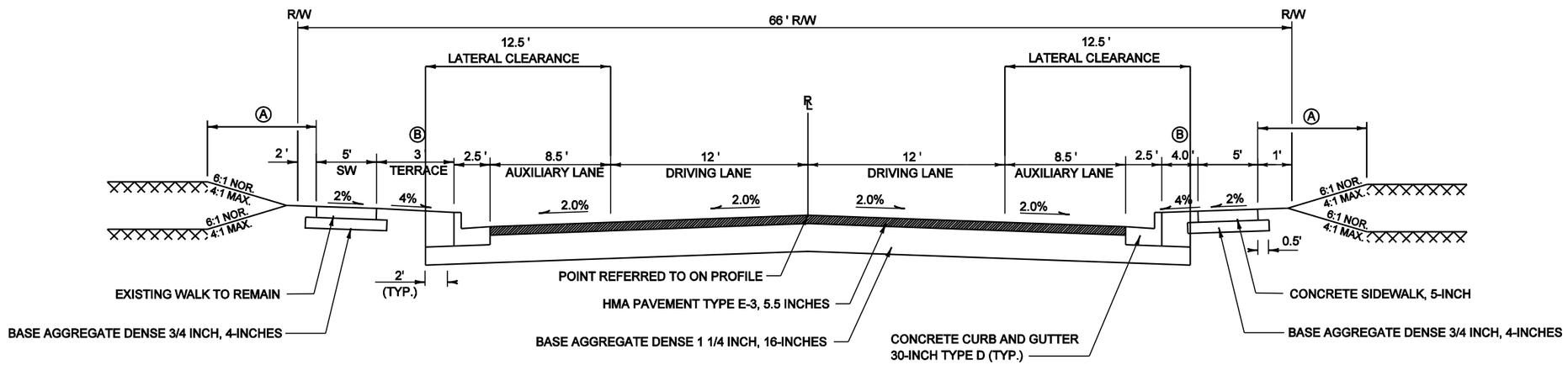
FINISHED TYPICAL SECTION

BUCKEYE ROAD

STA 12+18.83 TO STA 13+00

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

Ⓑ TOPSOIL; SOD LAWN



FINISHED TYPICAL SECTION

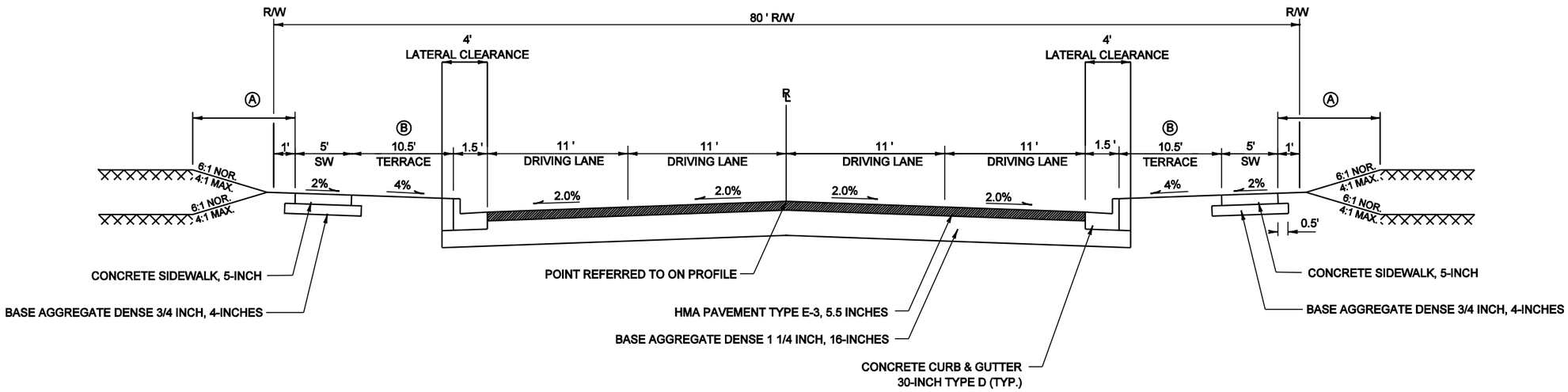
BUCKEYE ROAD

STA 10+00 TO STA 12+18.83

NOTE:
CONCRETE SIDEWALK, 6-INCH TO BE PLACED IN LIMITS OF RESIDENTIAL DRIVEWAYS

CONCRETE SIDEWALK, 7-INCH TO BE PLACED IN LIMITS OF COMMERCIAL DRIVEWAYS

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 10	E



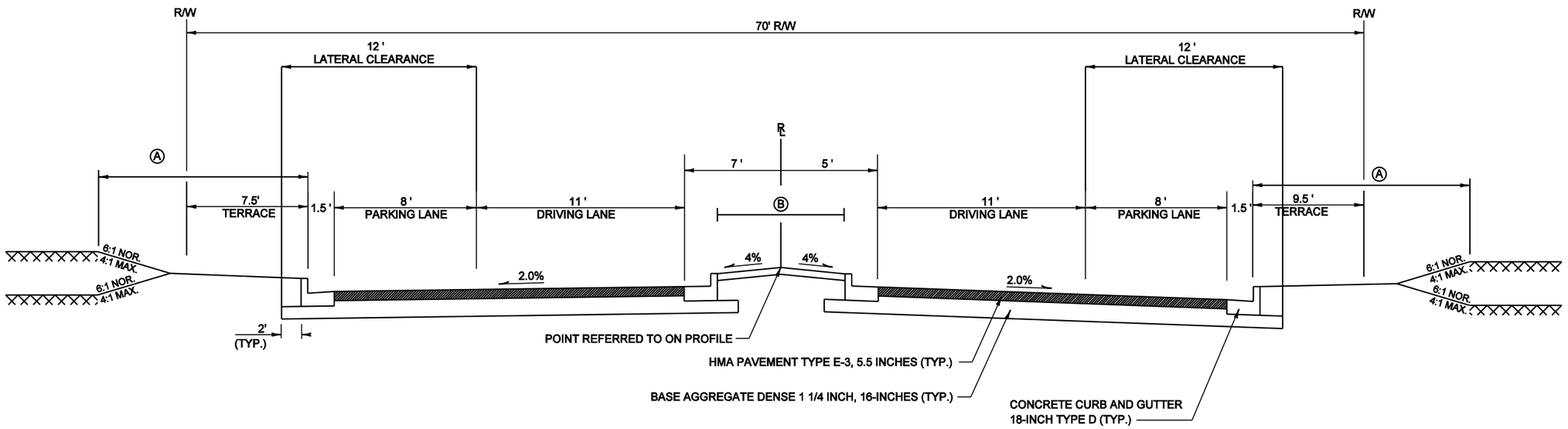
FINISHED TYPICAL SECTION

COTTAGE GROVE ROAD

STA 10+00 TO STA 11+21

NOTE:
CONCRETE SIDEWALK, 6-INCH TO BE PLACED IN LIMITS OF RESIDENTIAL DRIVEWAYS

CONCRETE SIDEWALK, 7-INCH TO BE PLACED IN LIMITS OF COMMERCIAL DRIVEWAYS



FINISHED TYPICAL SECTION

LAKE EDGE BOULEVARD

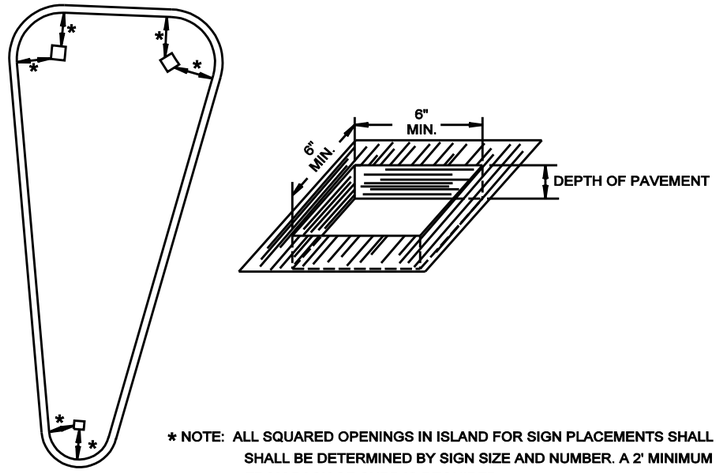
STA 10+00 TO STA 12+21

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

Ⓑ TOPSOIL; SOD LAWN

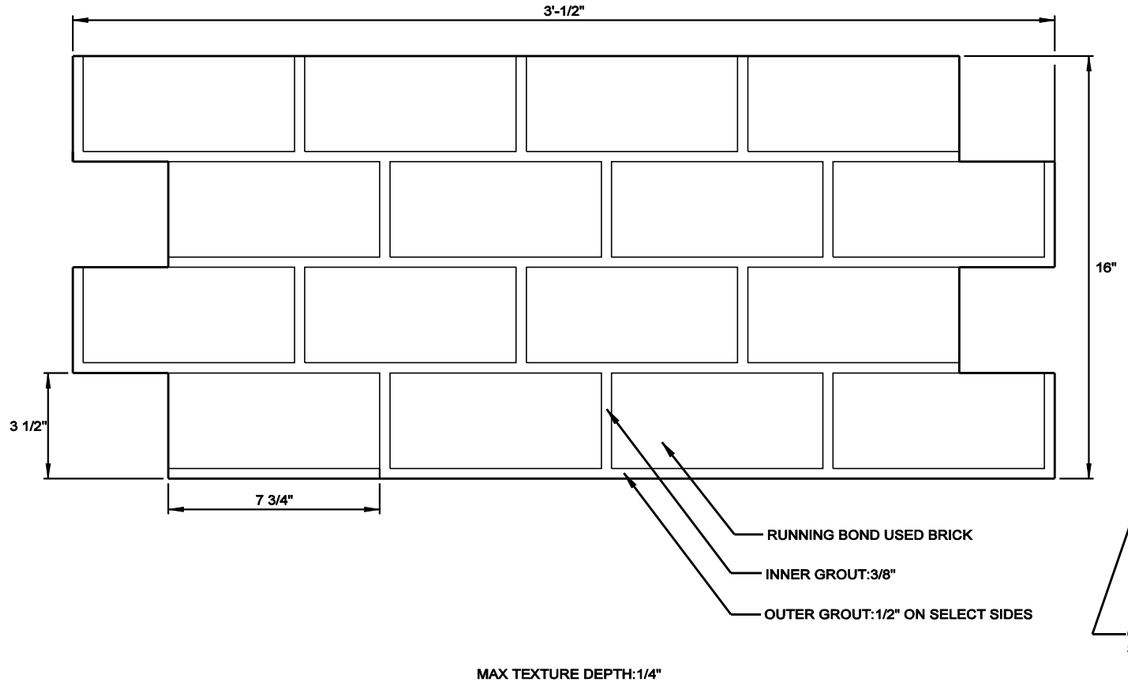
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTION	SHEET 11	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\Typical Sections.dgn PLOT TIME : 11:59:40 AM PLOT DATE : 12/9/2011 PLOT BY : cas1



* NOTE: ALL SQUARED OPENINGS IN ISLAND FOR SIGN PLACEMENTS SHALL SHALL BE DETERMINED BY SIGN SIZE AND NUMBER. A 2' MINIMUM FROM BACK OF CURB IS REQUIRED.

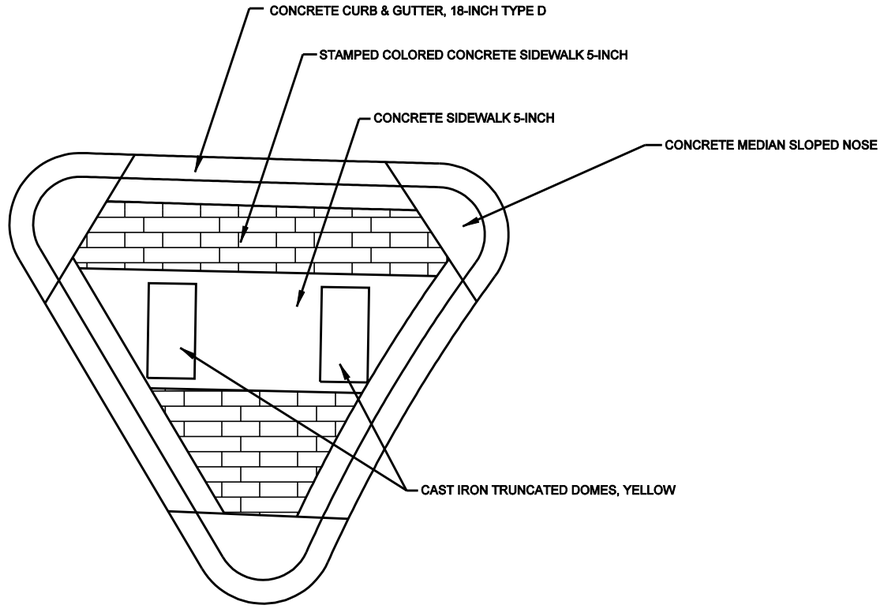
DETAIL OF OPENINGS IN ISLAND FOR SIGN PLACEMENT



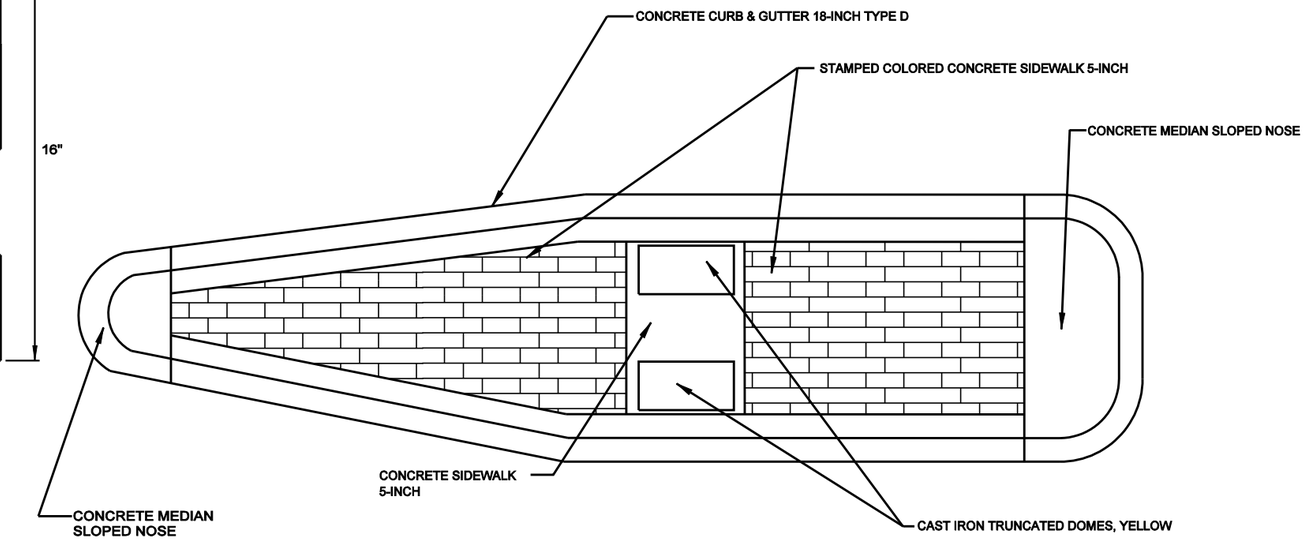
MAX TEXTURE DEPTH:1/4"

BRICK PATTERN FOR STAMPED COLORED CONCRETE

(AT MEDIANS)

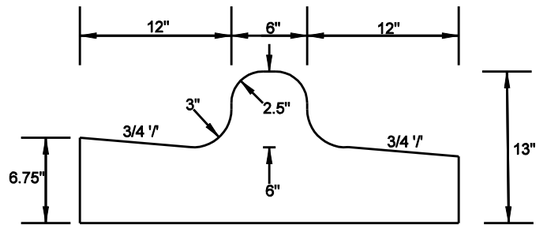


CONCRETE ISLAND DETAIL



MEDIAN DETAIL

NOTE: AT LAKE EDGE BOULEVARD STAMPED COLORED CONCRETE SIDEWALK 5-INCH EXTEND 10' BEYOND CONCRETE SIDEWALK 5-INCH



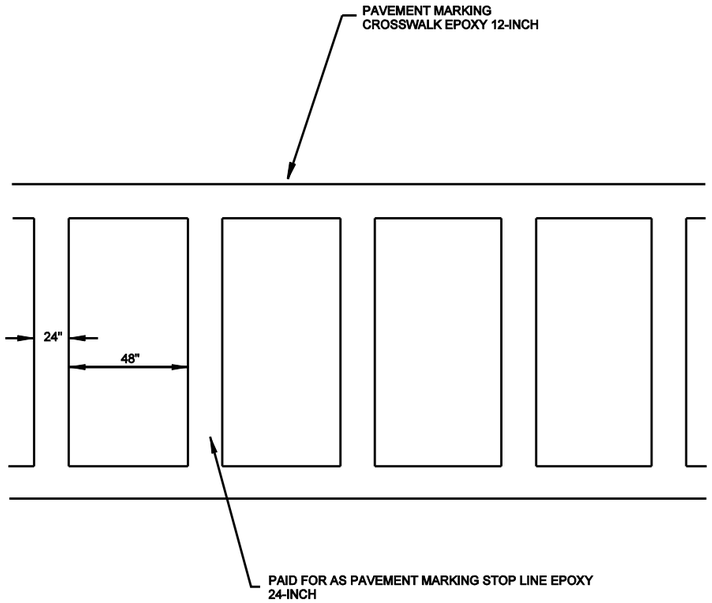
GENERAL NOTES:

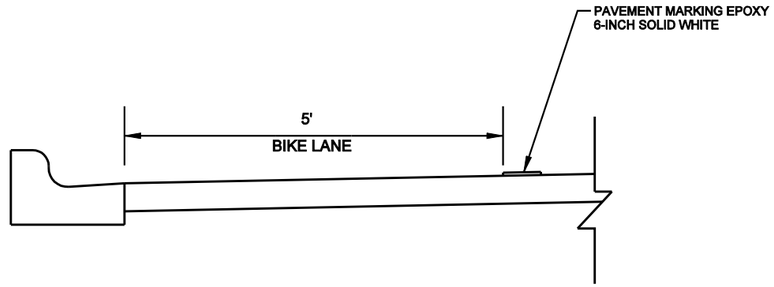
LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

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 POECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 1/2" THICK.

IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.

CONCRETE CURB & GUTTER 30 INCH SPECIAL DOUBLE PAN

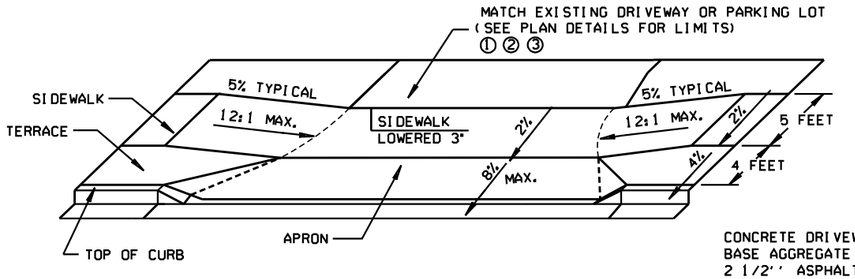




BIKE LANE STRIPING DETAIL

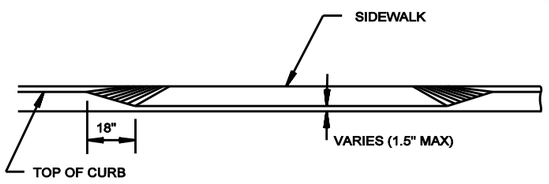
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 8.9 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 8.9 ACRES

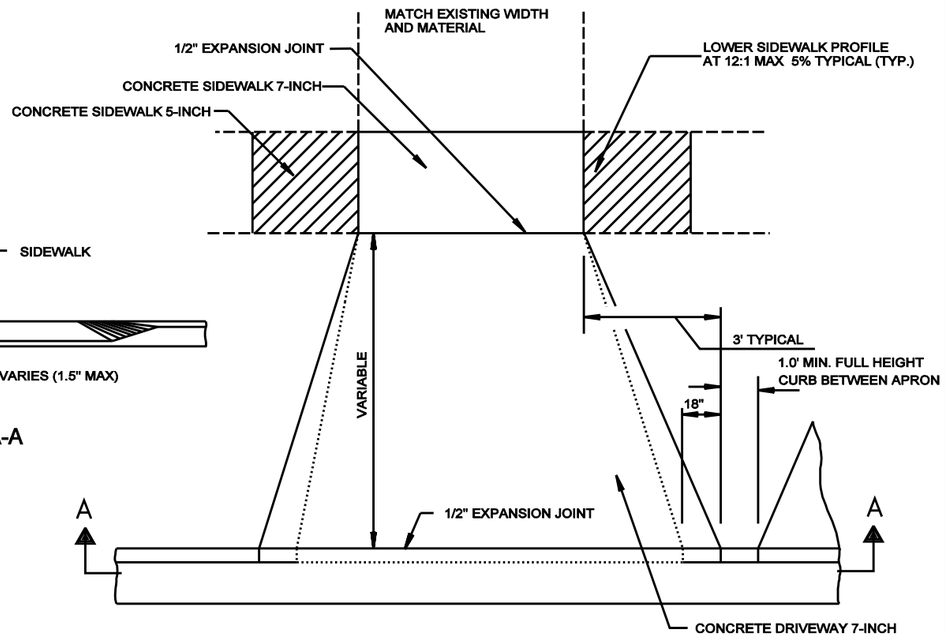


CONCRETE DRIVEWAY 6-INCH OVER 6'' BASE AGGREGATE DENSE 3/4'' INCH OR 2 1/2'' ASPHALT SURFACE DRIVEWAYS OVER 8'' BASE AGGREGATE DENSE 3/4''

LOWERING SIDEWALK AT DRIVEWAY APRONS

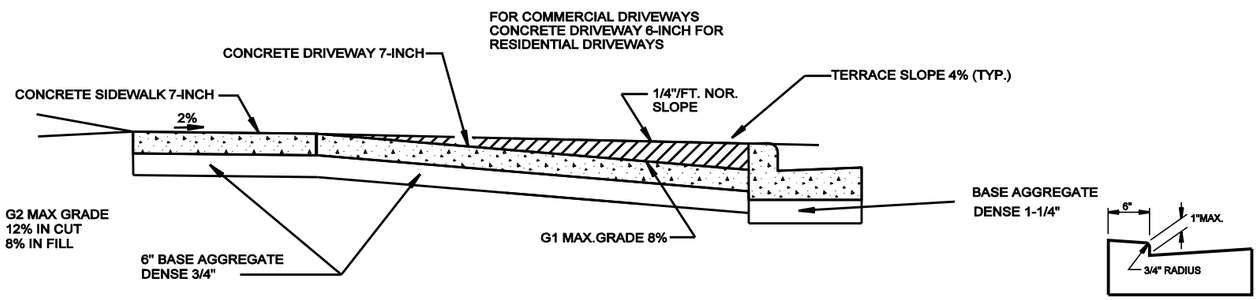


SECTION A-A

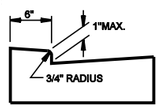


NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 EXTENDED IN FILLS, MAX. 15%

PLAN

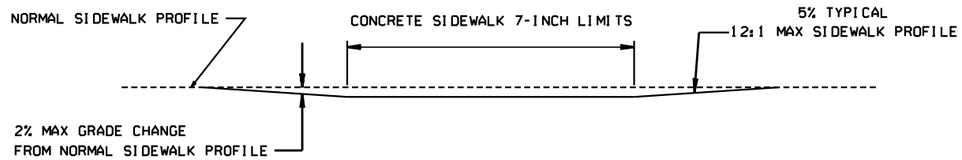


PROFILE

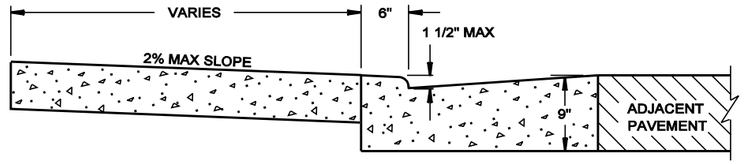


OPTIONAL METHOD FOR CONCRETE GUTTER

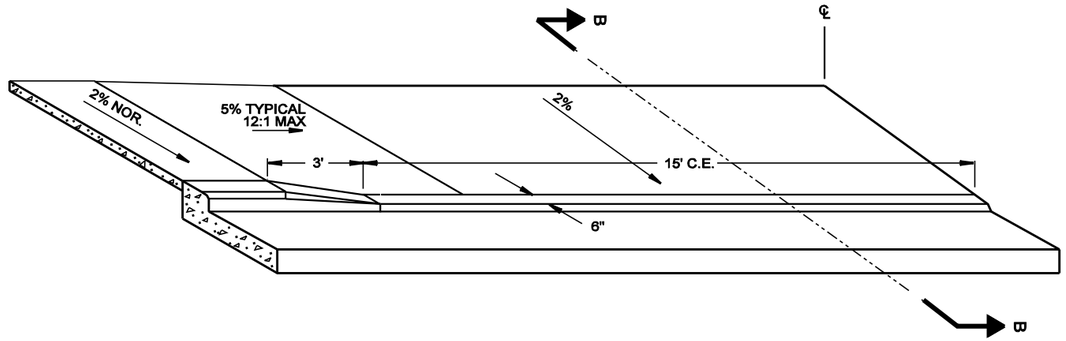
COMMERCIAL & PRIVATE ENTRANCE DRIVEWAY DETAIL



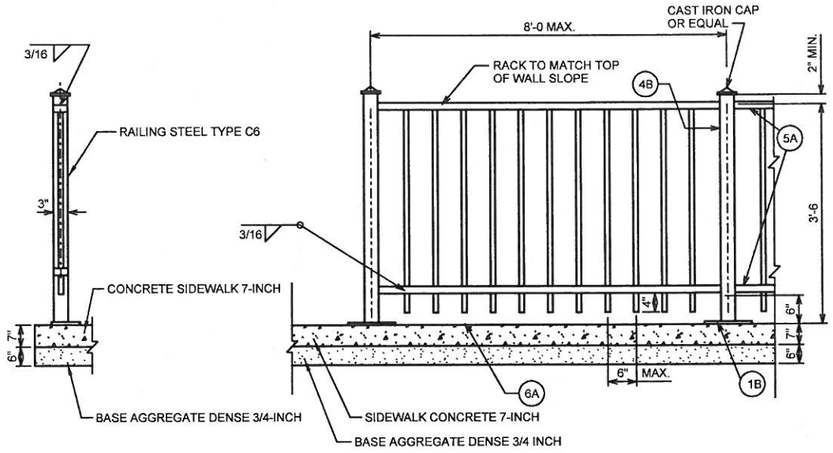
DEPRESSED SIDEWALK PROFILE DETAIL



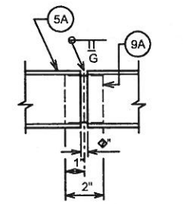
SECTION B-B



DRIVEWAY WITH SIDEWALK ADJACENT TO CURB AND GUTTER (HALF SECTION)

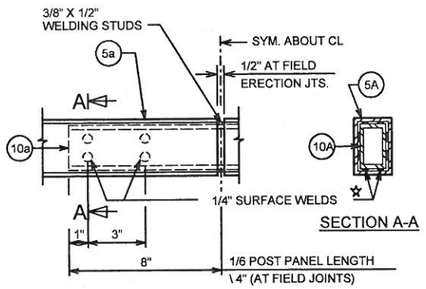


SECTION THRU RAILING



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



FIELD ERECTION JOINT DETAIL

☆ MIN. 5/8" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

LEGEND

(1b) PLATE 5/8" X 6" X 10" WITH 3/4" X 1 1/2" SLOTTED HOLES

(2b) 1/4" X 5" X 9" ANCHOR PLATE WITH 11/16" FOR ANCHOR BOLTS NO. 3.

(3) 5/8" DIA. X 6 3/4" LONG ASTM F593 TYPE 316 STAINLESS STEEL ANCHOR BOLTS WITH NUT AND WASHERS OF SAME ALLOY GROUP. (ALTERNATE RAIL POST ANCHORAGE - 4 EQUIV. STAINLESS STEEL CONCRETE MASONRY ANCHORS, TYPE S (EPOXY), 5/8" |, MINIMUM PULLOUT CAPACITY OF 15 KIPS. EMBED A MIN. OF 7".

(4b) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5a) STRUCTURAL TUBING 3" X 1 1/2" X 3/16" RAILS. WELD TO NO. 4 & NO. 6.

(6a) STRUCTURAL TUBING 1" X 1" X 1/8" PICKETS. WELD TO NO. 5. SPACE AT 6" MAX. CL TO CL SPACING. PLACE VERTICAL.

(9a) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10a) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

NOTES

BID ITEM SHALL BE "RAILING STEEL TYPE C6 r-13-141", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN, AND PAINTING.

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

NO. 1, 2, 9 AND NO. 10 SHALL CONFORM TO A.S.T.M. A709 GRADE 36. STRUCTURAL TUBING SHALL CONFORM TO A.S.T.M. A500 GRADE B (NO. 4, NO. 5 and no. 6).

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT.

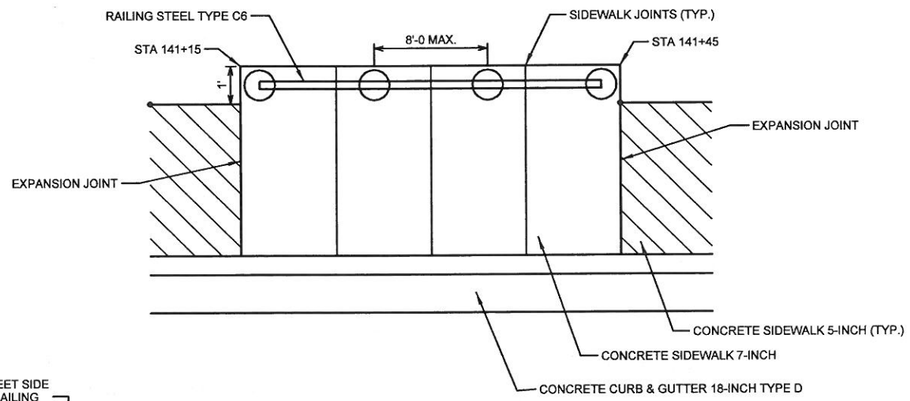
FILL BOLT SLOT OPENINGS IN SHIMS AND PLATE NO. 1 AND CAULK AROUND PERIMETER OF PLATE NO. 1 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

AFTER FABRICATION, ALL MATERIAL, EXCEPT ANCHORAGE (NO. 2 & 3) & SHIMS SHALL BE PAINTED WITH A THREE COAT ZINC-RICH EPOXY SYSTEM PER WISDOT STANDARD SPECIFICATION, SECTION 517, EPOXY SYSTEM. SHIMS SHALL BE GIVEN ONE COAT OF ZINC RICH PRIMER PAINT. THE FINISH COLOR SHALL BE FEDERAL COLOR NO. 17038, BLACK.

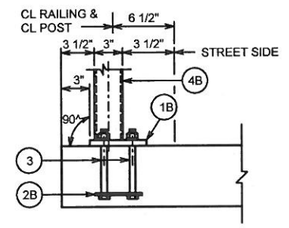
1/4" VENT HOLES LOCATED IN TOP RAIL OVER RAIL POSTS AND AT LOW END OF OTHER RAILS.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS. TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

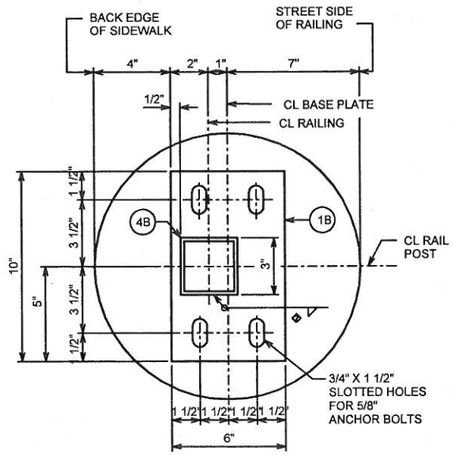
PARTIAL ELEVATION - RAILING



PLAN VIEW

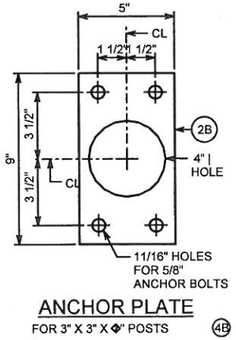


BASE PLATE CONNECTION AT CONCRETE SIDEWALK



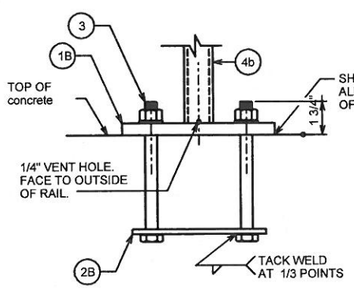
TYPICAL RAIL POST BASE PLATE

FOR 3" X 3" X ✥" POSTS (4B)



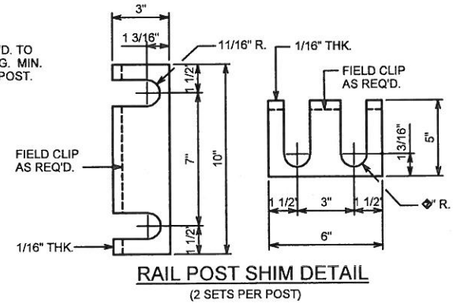
ANCHOR PLATE

FOR 3" X 3" X ✥" POSTS (4B)



ANCHOR BOLTS FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN TYPE S ANCHORS ARE USED.



RAIL POST SHIM DETAIL

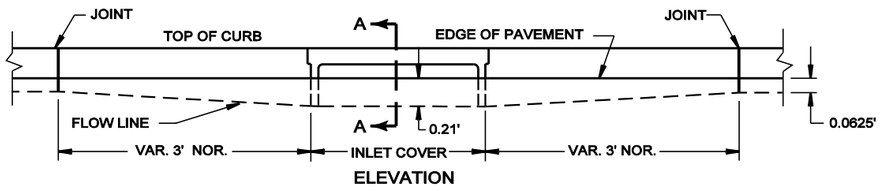
(2 SETS PER POST)

SIDEWALK RAIL DETAIL

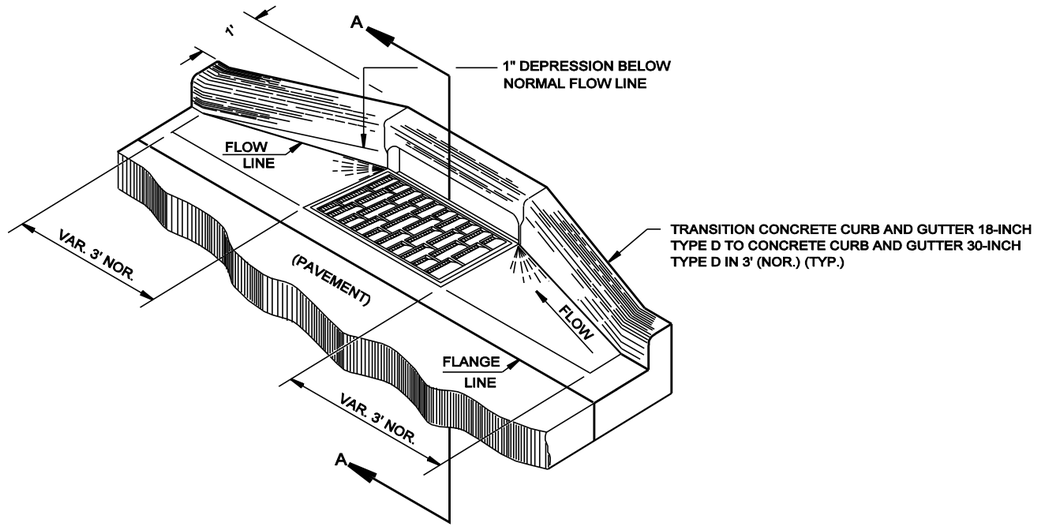
STA 141+15 - STA 141+45 LT

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	RAILING DETAIL	SHEET 15	E

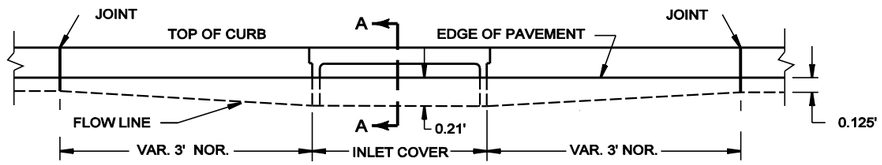
FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\RAILSWDETAIL.dgn PLOT DATE : $PLOT$ PLOT TIME : 9:09:43 AM PLOT BY : cas1



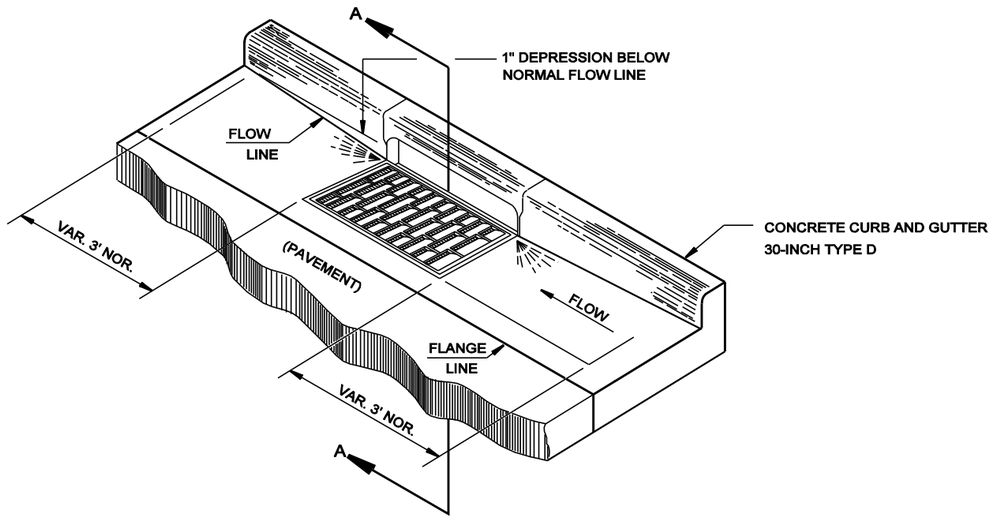
ELEVATION



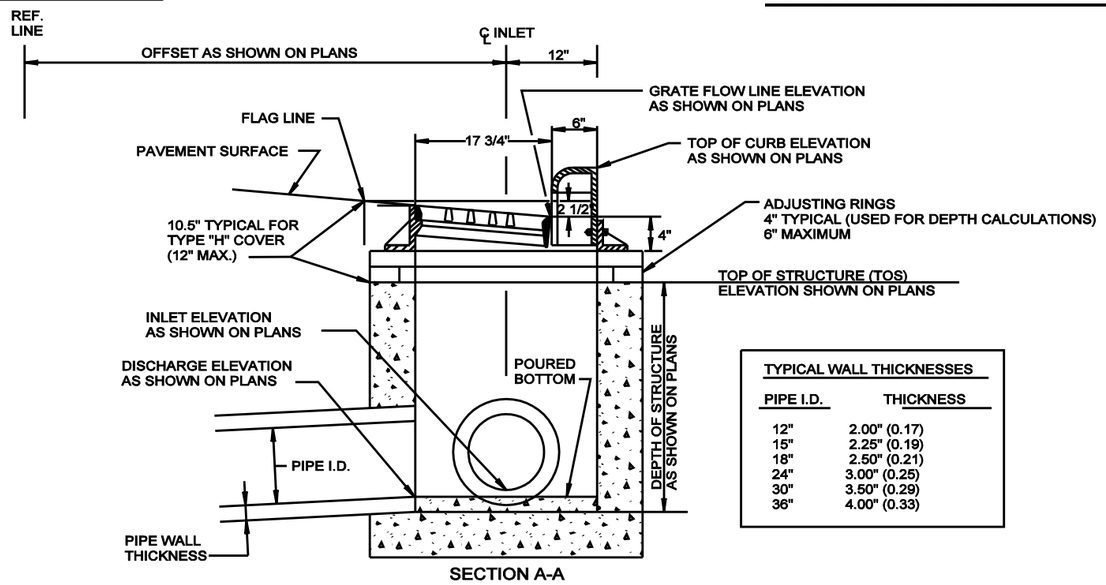
DETAIL OF CONCRETE CURB AND GUTTER 18-INCH TYPE D AT INLETS



ELEVATION



DETAIL OF CONCRETE CURB AND GUTTER 30-INCH TYPE D AT INLETS

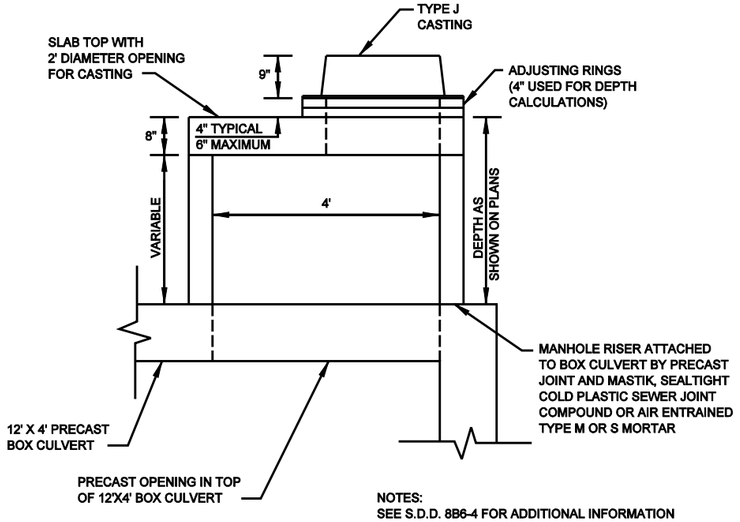


SECTION A-A

TYPICAL WALL THICKNESSES	
PIPE I.D.	THICKNESS
12"	2.00" (0.17)
15"	2.25" (0.19)
18"	2.50" (0.21)
24"	3.00" (0.25)
30"	3.50" (0.29)
36"	4.00" (0.33)

DETAIL OF CURB AND GUTTER AT INLETS

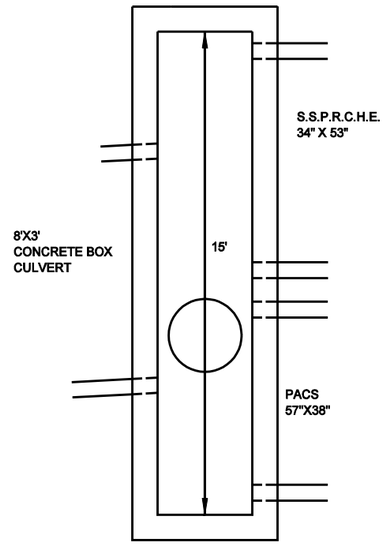
(TYPE 3-H INLET SHOWN)



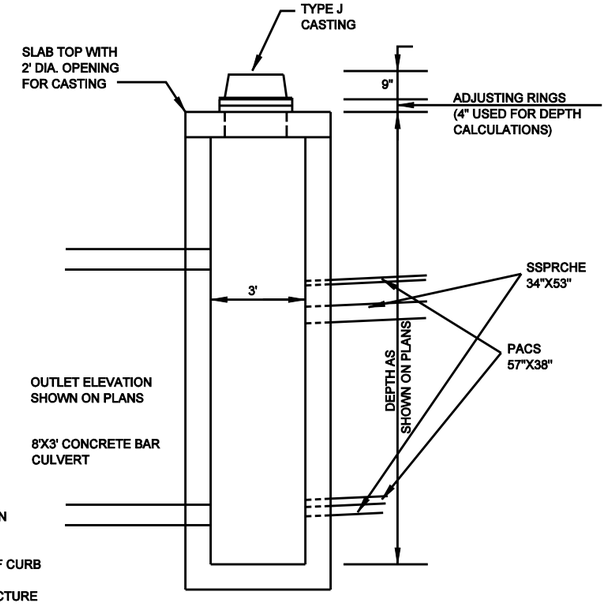
NOTES:
SEE S.D.D. 8B6-4 FOR ADDITIONAL INFORMATION

STATION AND OFFSET SHOWN ON PLAN ARE TO CENTER OF THE MANHOLE

MANHOLE TYPE 1 SPECIAL DETAIL



PLAN VIEW



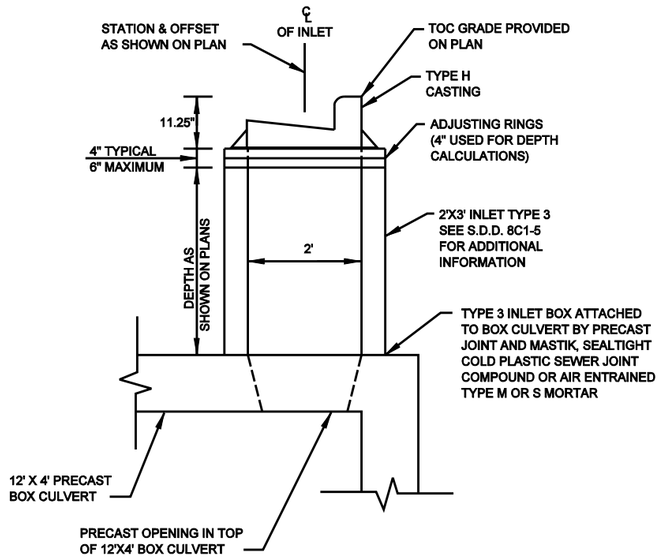
NOTES:
SEE S.D.D. 8C 1-5 FOR ADDITIONAL INFORMATION

STATION AND OFFSET SHOWN ON PLAN ARE TO CENTER OF THE INLET CASTINGAT THE BACK OF CURB

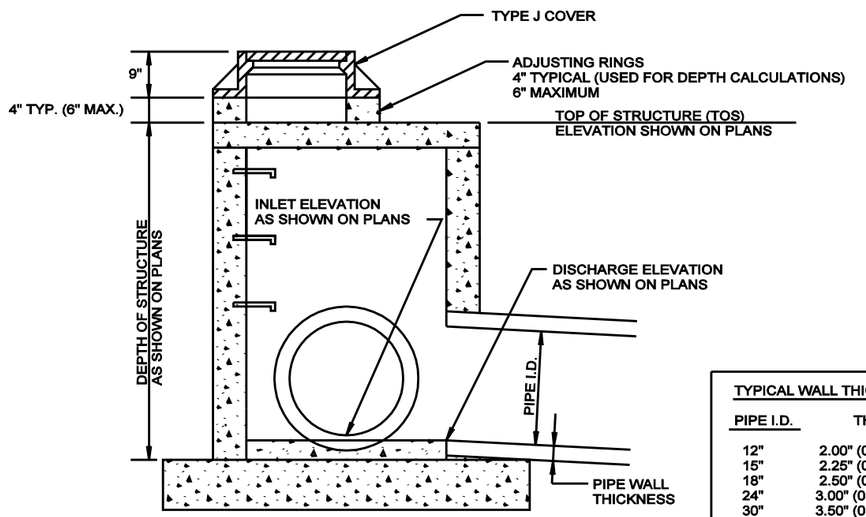
CONNECT EXISTING PIPES TO NEW INLET STRUCTURE

PROFILE VIEW

MANHOLE TYPE 15 DETAIL



INLET TYPE 3 MODIFIED DETAIL

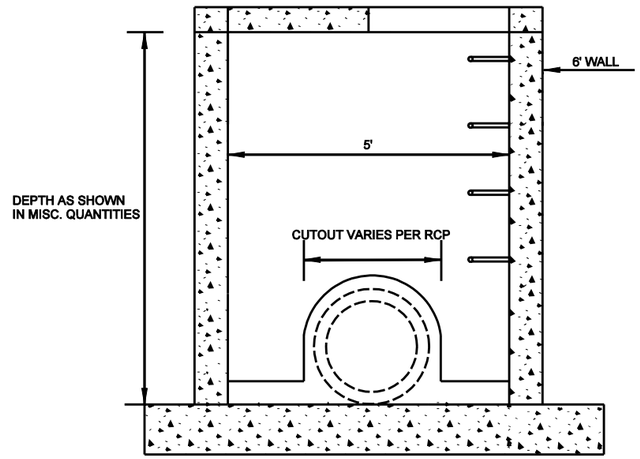


TYPICAL WALL THICKNESSES

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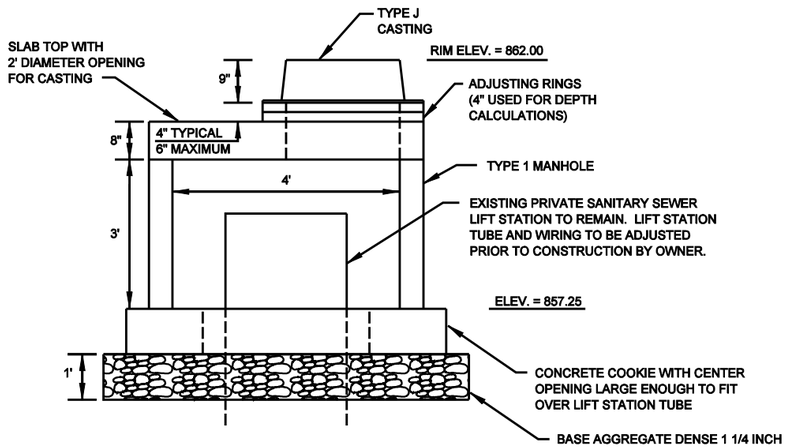
NOTES:
SEE S.D.D's FOR ADDITIONAL INFORMATION
8B6-4 & 8B7-4

DETAIL OF STORM SEWER MANHOLES



SEE S.D.D. 8B7-4 "MANHOLES TYPE 2&3"
FOR ADDITIONAL INFORMATION

MANHOLES TYPE 60



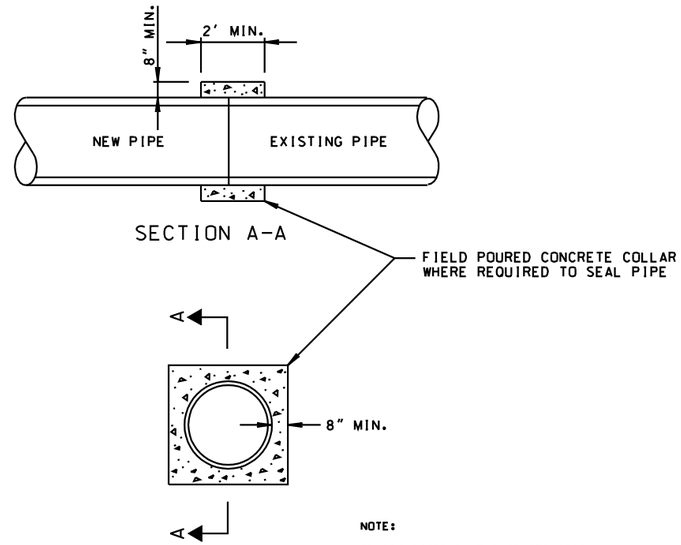
NOTES:
SEE S.D.D. 8B6-4 FOR ADDITIONAL INFORMATION

POSITION CASTING TO ALLOW VERTICAL ACCESS
TO THE LIFT STATION TUBE

POSITION CASTING TO BE BEHIND CURB & GUTTER
OR IN PAVEMENT IF POSSIBLE.

MANHOLE TYPE 1 OVER EXISTING SANITARY SEWER LIFT STATION DETAIL

(STA 9'F'+33 RT)



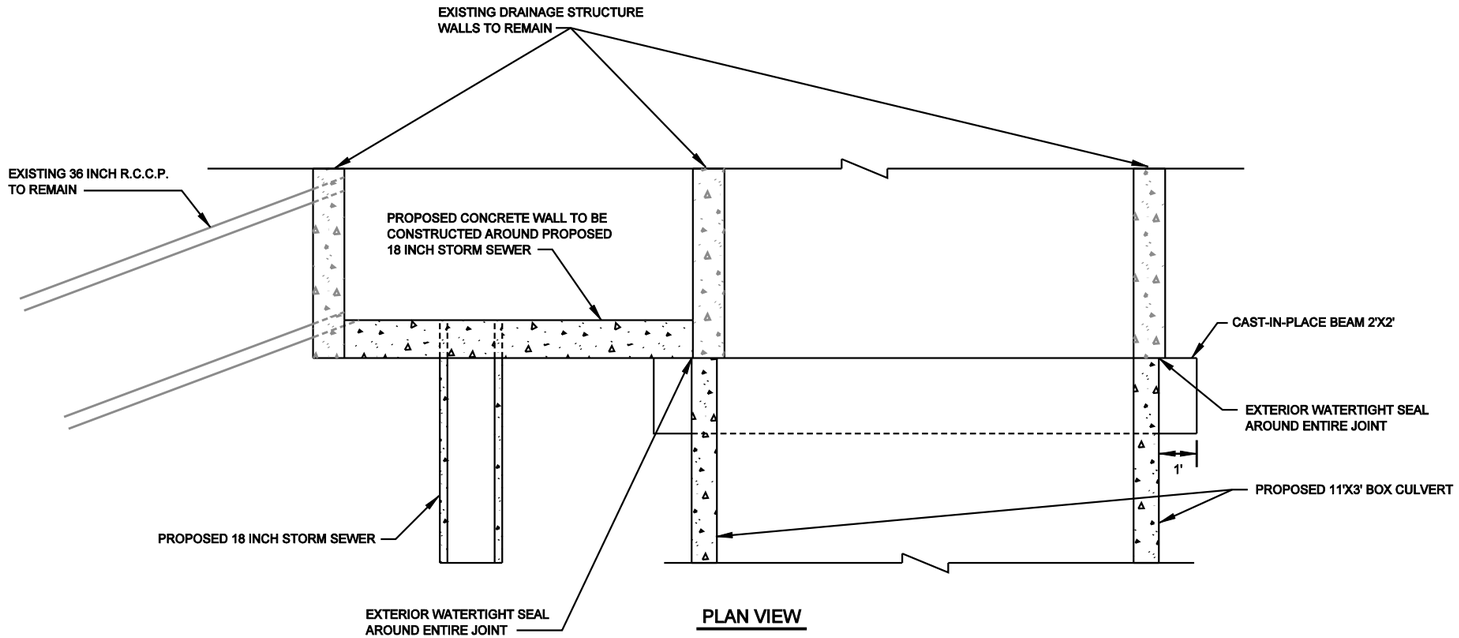
NOTE:

IF REQUESTED BY THE CONSTRUCTION
ENGINEER, FIBER REINFORCED
CONCRETE SHALL BE PROVIDED

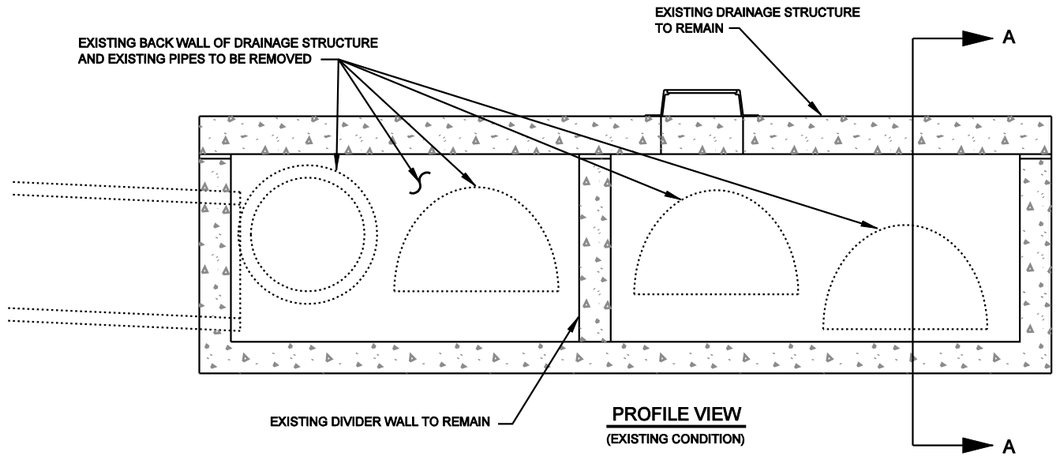
CULVERT PIPE CONCRETE COLLAR DETAIL

(STA 111+62 LT)

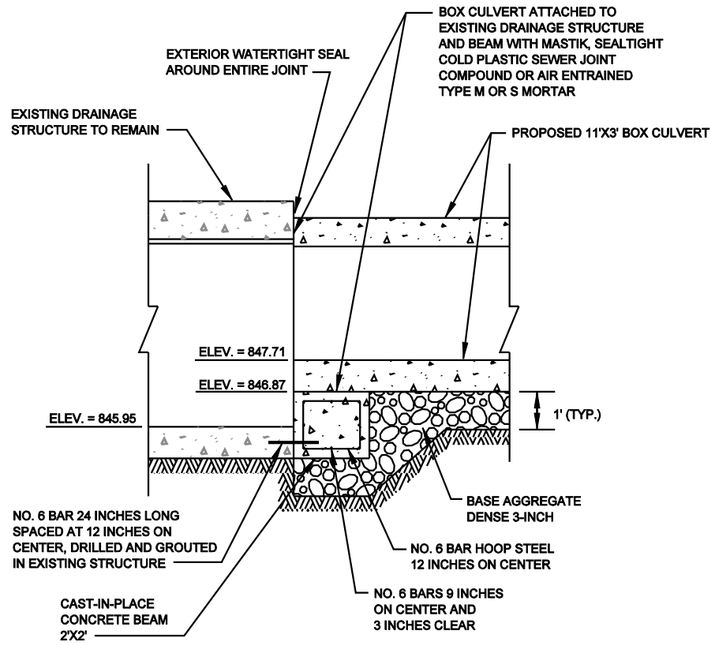
2



PLAN VIEW



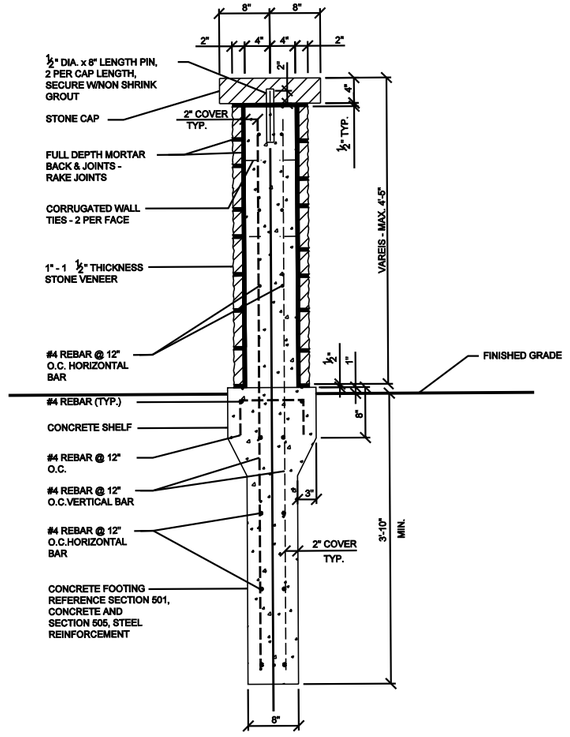
PROFILE VIEW
(EXISTING CONDITION)



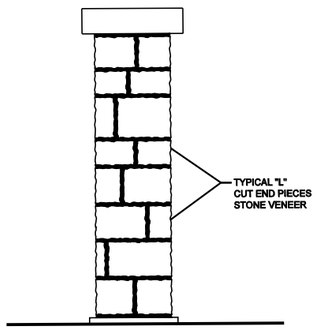
SECTION A-A

BOX CULVERT CONNECTION TO EXISTING DRAINAGE STRUCTURE DETAIL (STA 123+10 LT)

(INCIDENTAL TO BOX CULVERT INSTALLATION)



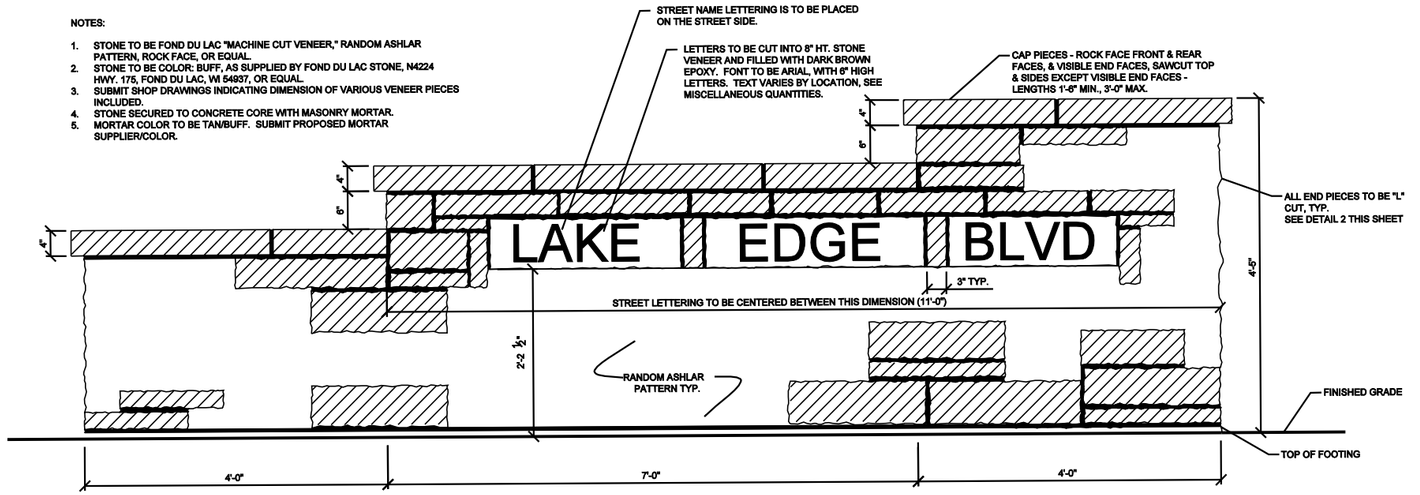
1 WALL SECTION
SCALE: 1" = 1'-0"



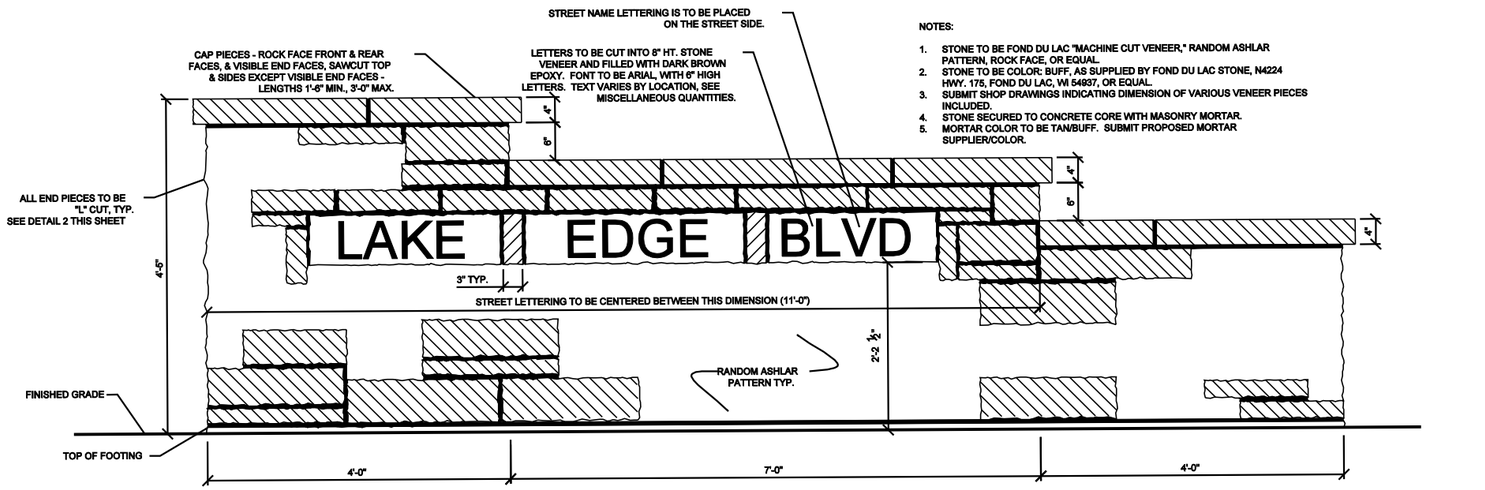
2 TYPICAL WALL END
SCALE: 1" = 1'-0"

NOTES:

1. STONE TO BE FOND DU LAC "MACHINE CUT VENEER," RANDOM ASHLAR PATTERN, ROCK FACE, OR EQUAL.
2. STONE TO BE COLOR: BUFF, AS SUPPLIED BY FOND DU LAC STONE, N4224 HWY. 175, FOND DU LAC, WI 54937, OR EQUAL.
3. SUBMIT SHOP DRAWINGS INDICATING DIMENSION OF VARIOUS VENEER PIECES INCLUDED.
4. STONE SECURED TO CONCRETE CORE WITH MASONRY MORTAR.
5. MORTAR COLOR TO BE TAN/BUFF. SUBMIT PROPOSED MORTAR SUPPLIER/COLOR.



3 WALL ELEVATION (CONDITION 1)
SCALE: 1" = 1'-0"

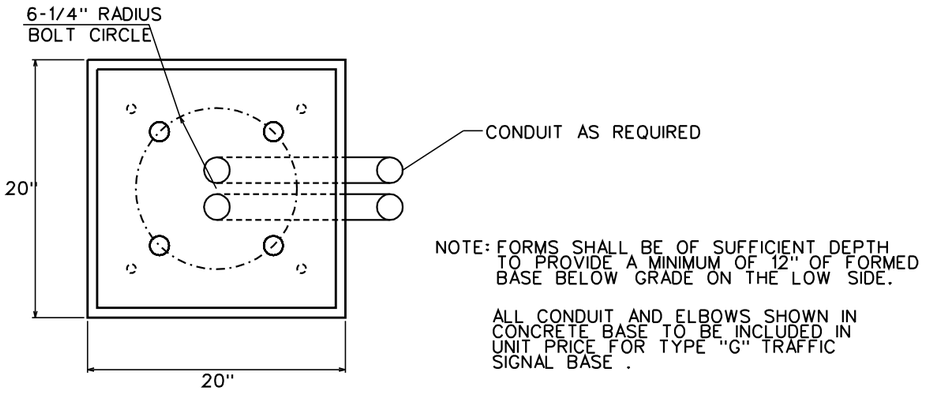


NOTES:

1. STONE TO BE FOND DU LAC "MACHINE CUT VENEER," RANDOM ASHLAR PATTERN, ROCK FACE, OR EQUAL.
2. STONE TO BE COLOR: BUFF, AS SUPPLIED BY FOND DU LAC STONE, N4224 HWY. 175, FOND DU LAC, WI 54937, OR EQUAL.
3. SUBMIT SHOP DRAWINGS INDICATING DIMENSION OF VARIOUS VENEER PIECES INCLUDED.
4. STONE SECURED TO CONCRETE CORE WITH MASONRY MORTAR.
5. MORTAR COLOR TO BE TAN/BUFF. SUBMIT PROPOSED MORTAR SUPPLIER/COLOR.

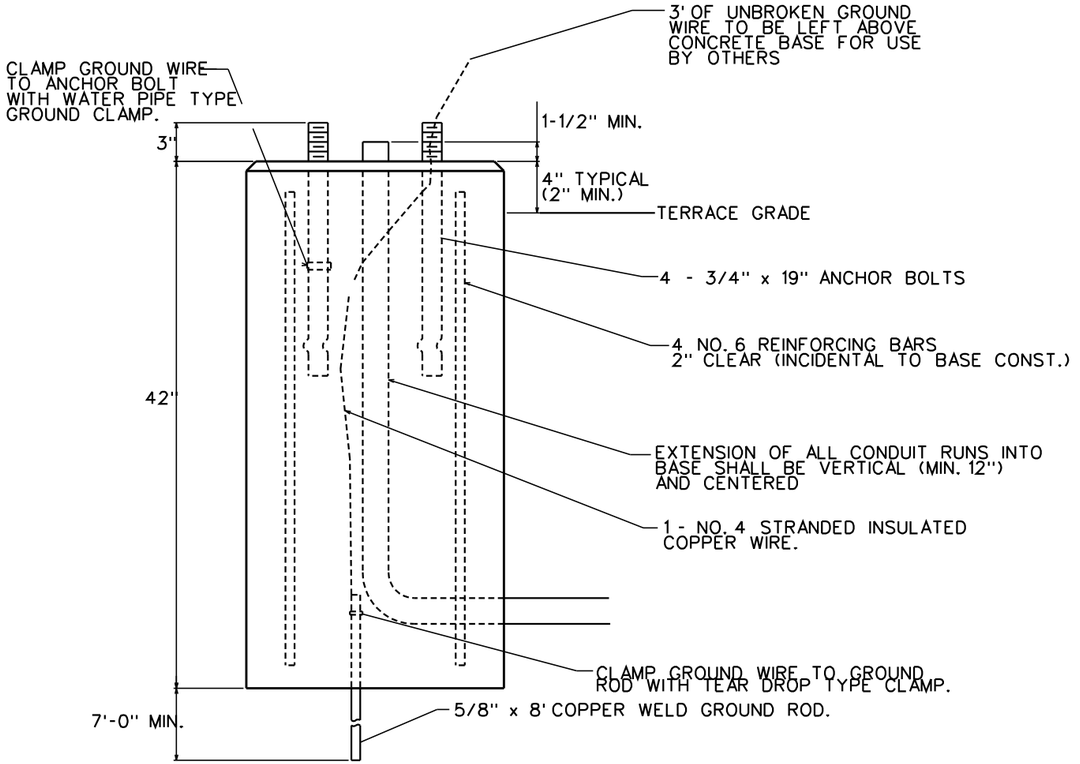
4 WALL ELEVATION (CONDITION 2)
SCALE: 1" = 1'-0"

STONE VENEER WALL



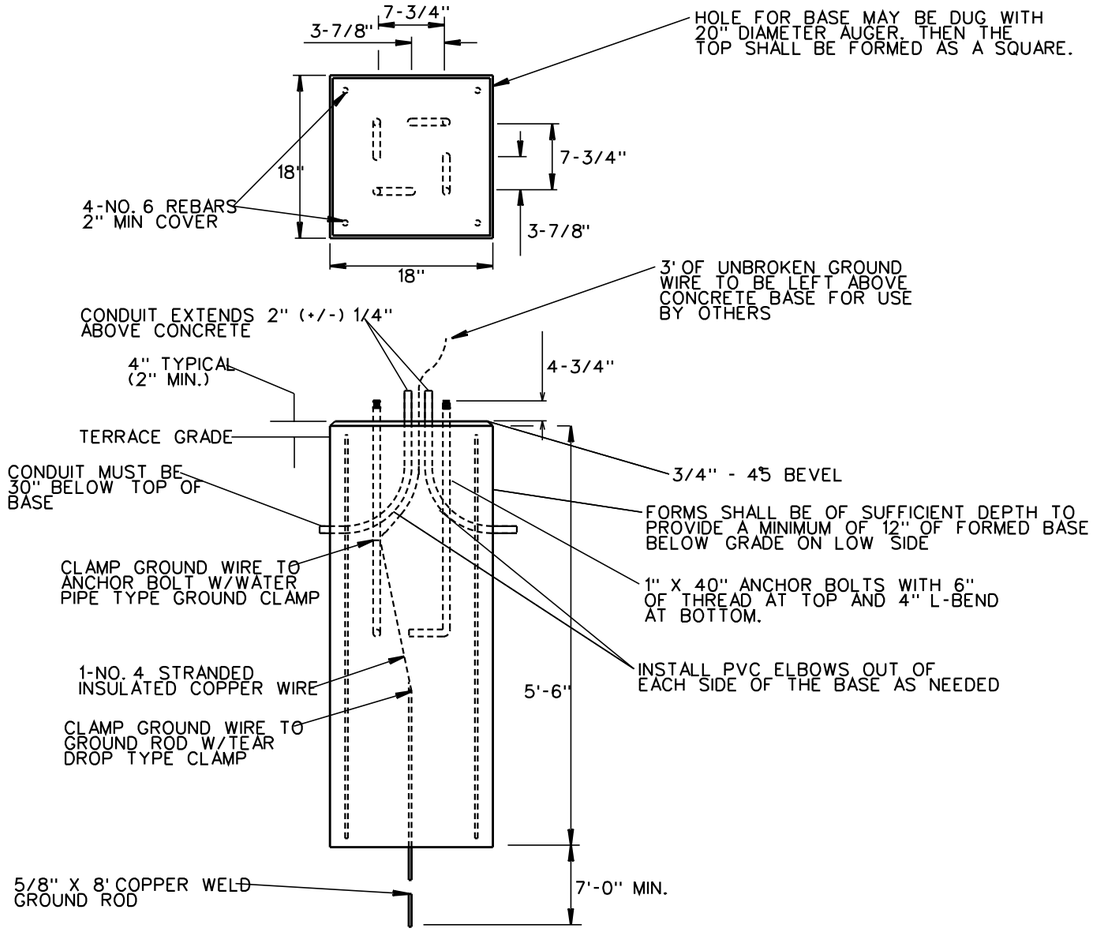
NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

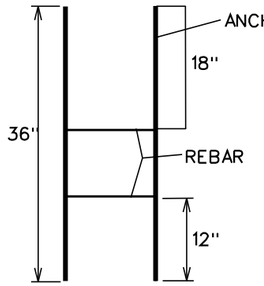
ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR TYPE "G" TRAFFIC SIGNAL BASE .



TYPE "G" BASE DETAIL

SCALE: NONE





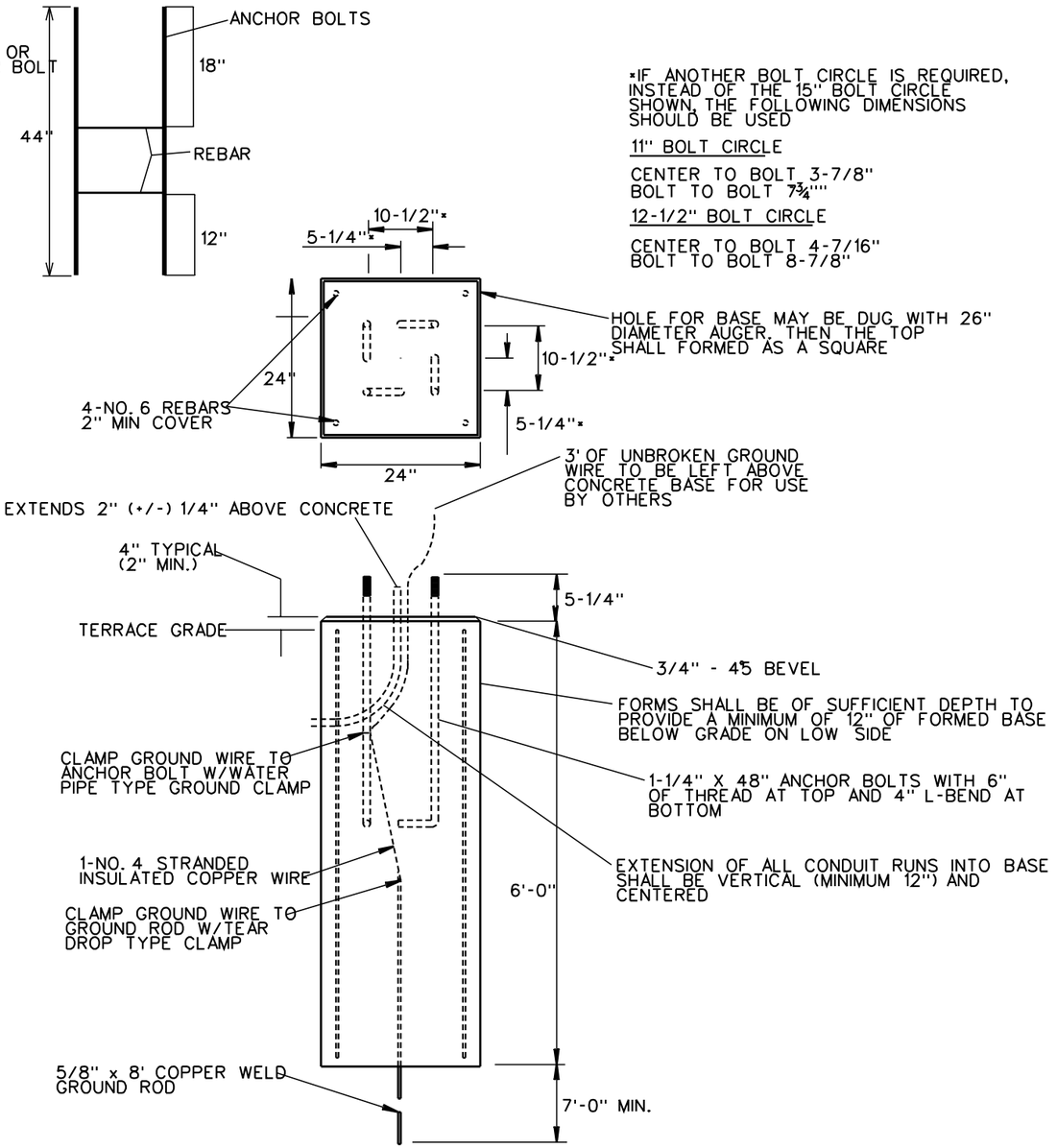
HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

LB-3 BASE DETAIL

SCALE: NONE

2

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

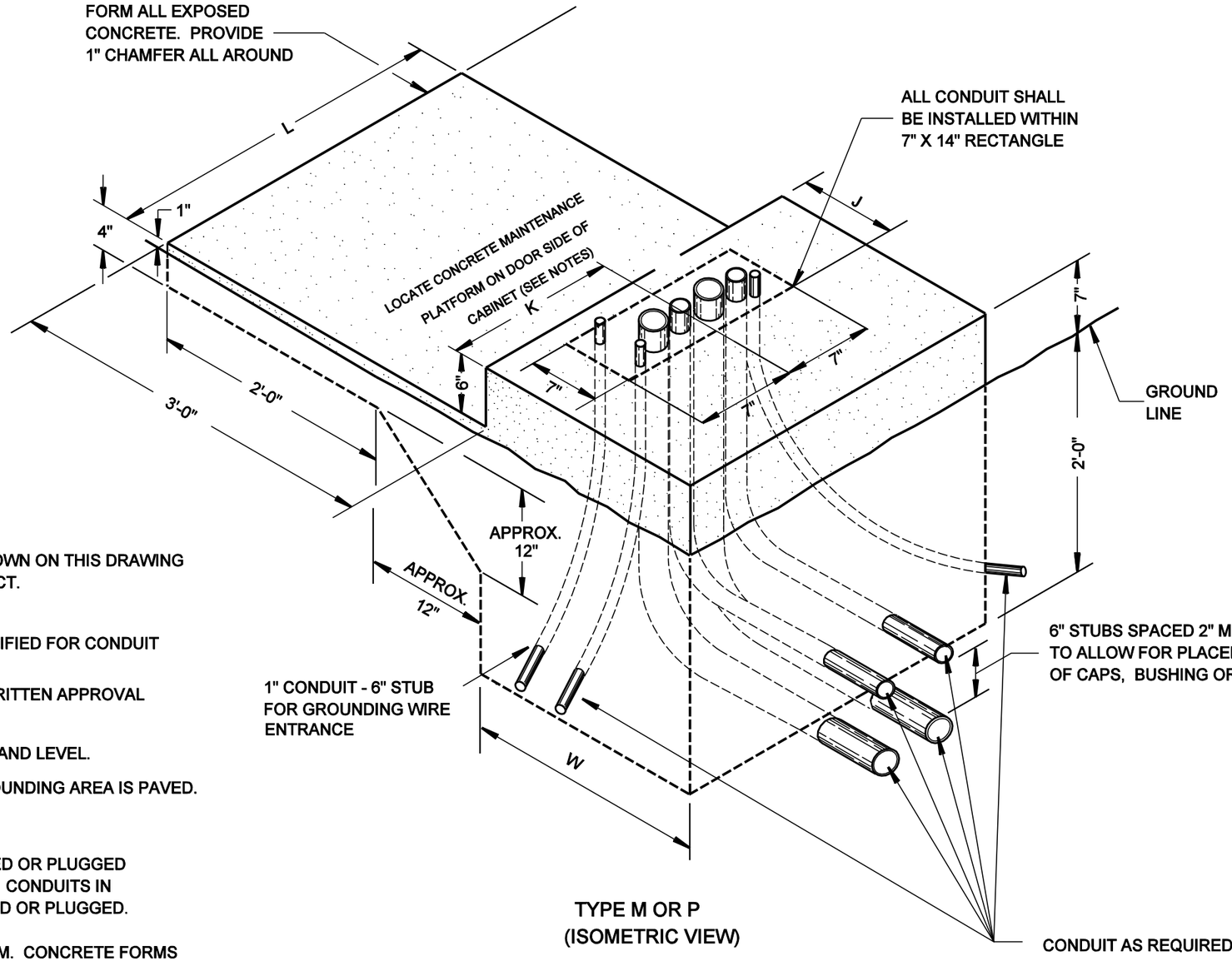
CENTER TO BOLT 3-7/8"
BOLT TO BOLT 7¾""

12-1/2" BOLT CIRCLE

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

LB-8 BASE DETAIL
SCALE: NONE

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.

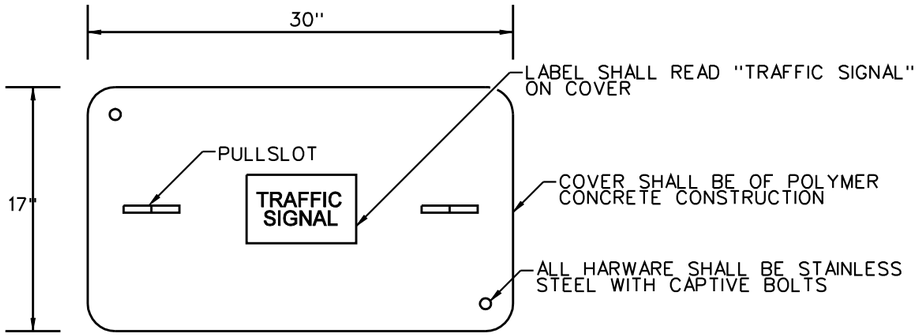
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

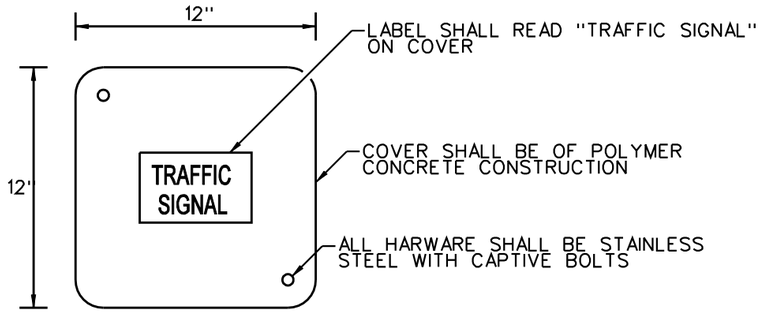
CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

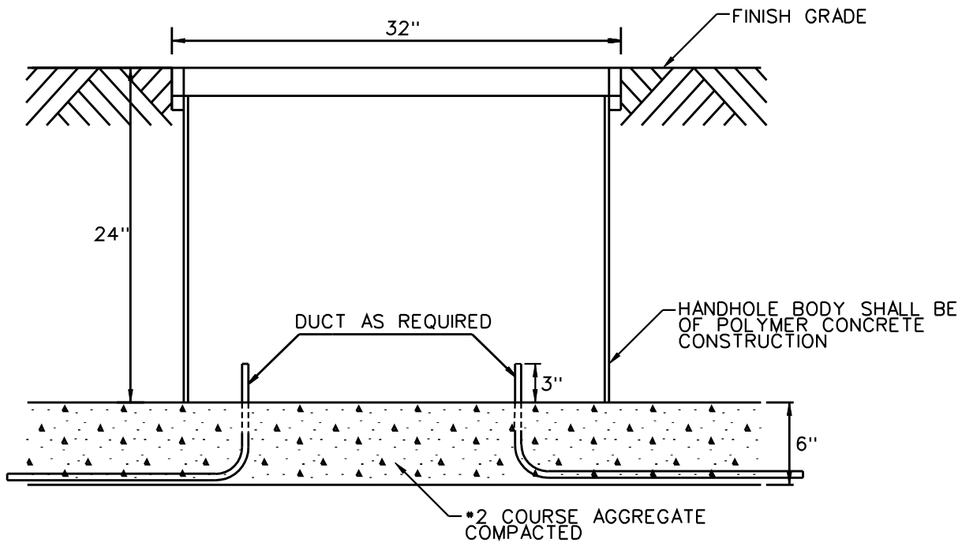
MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

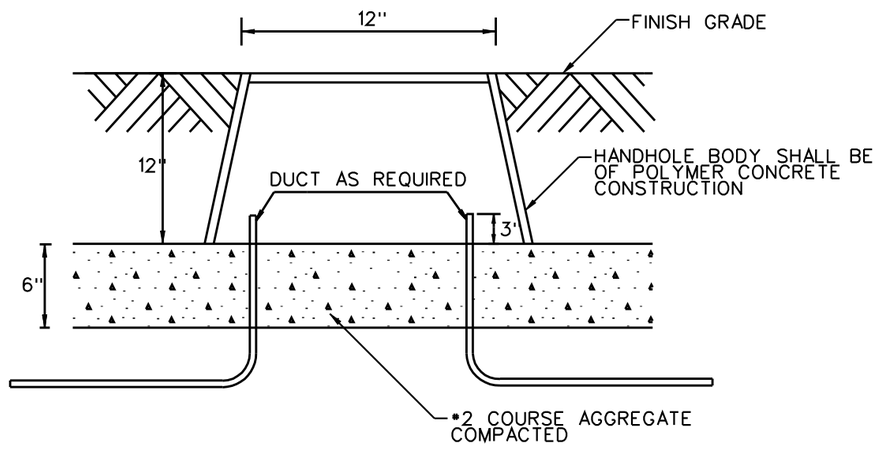
TYPE "M" AND "P" CONTROLLER BASE DETAIL
SCALE: NONE

2





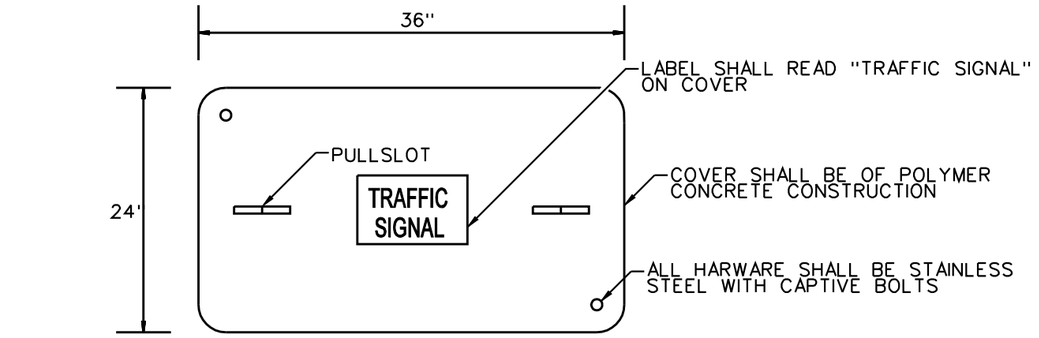


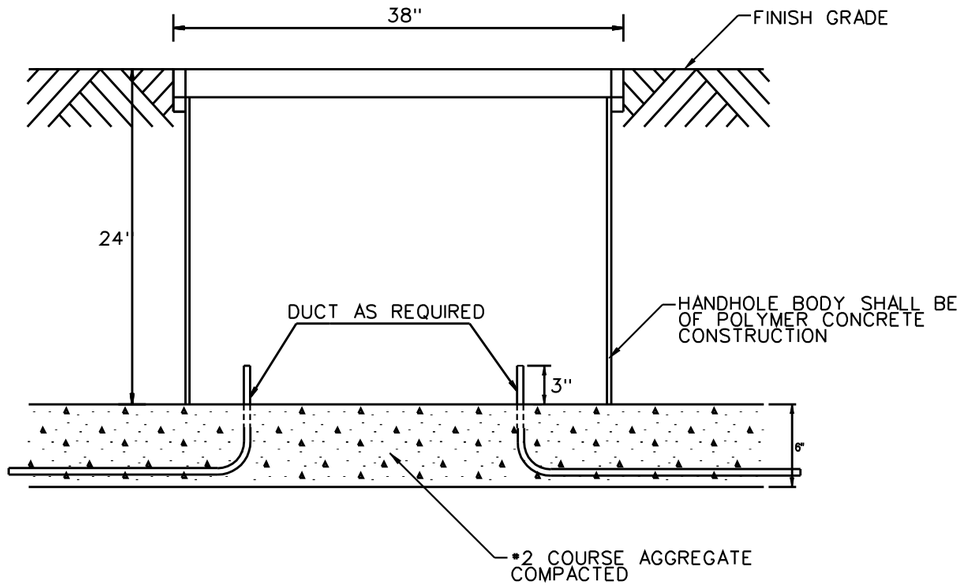


PULL BOX TYPE I HANDHOLE DETAIL
SCALE: NONE

PULL BOX TYPE III
SCALE: NONE

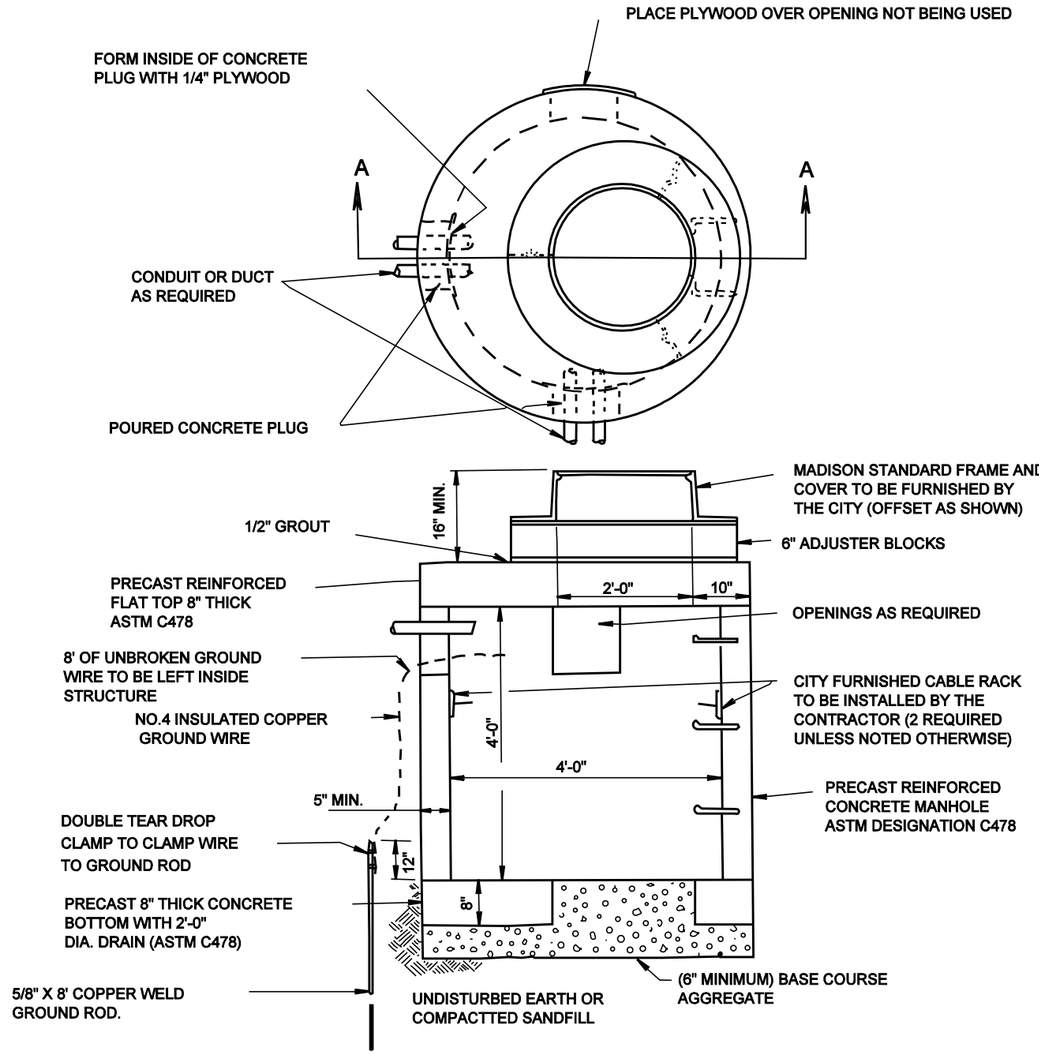
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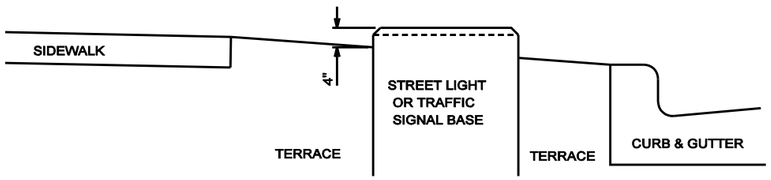
PULL BOX TYPE V
SCALE: NONE

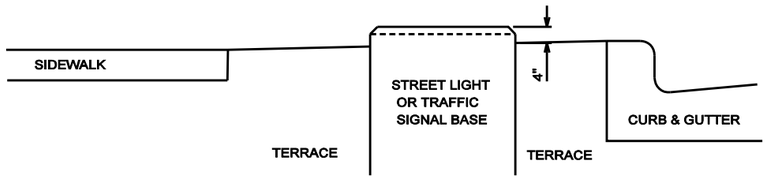
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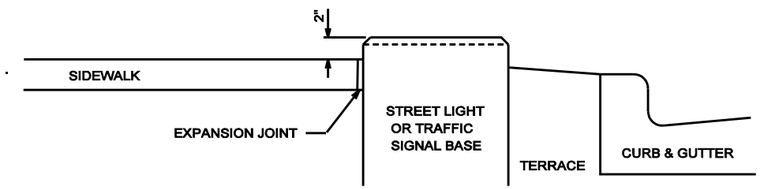


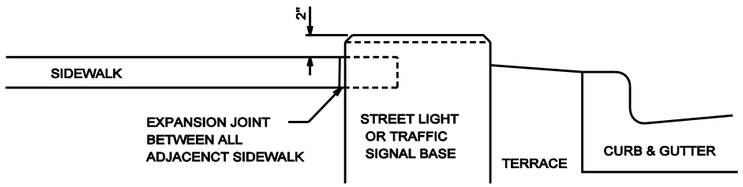
SECTION A-A

ELECTICAL UTILITY ACCESS STRUCTURE

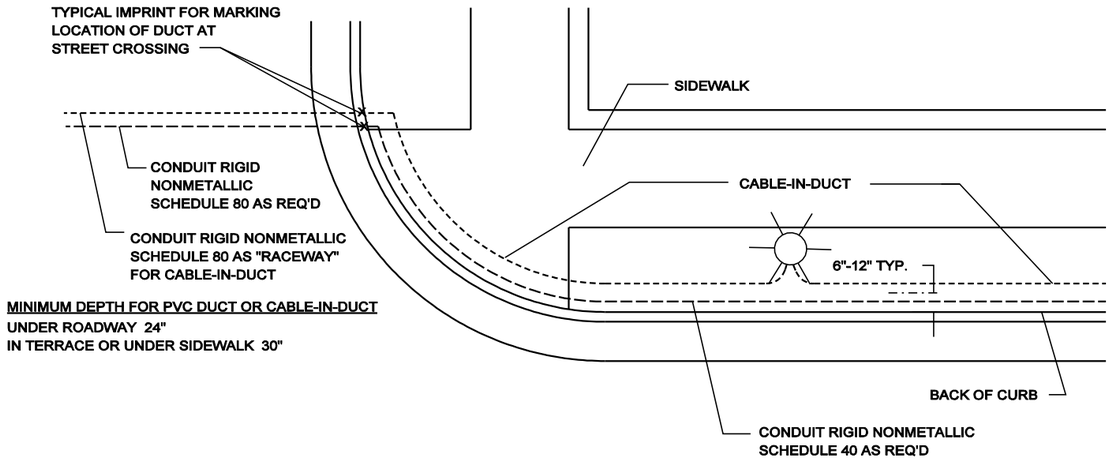






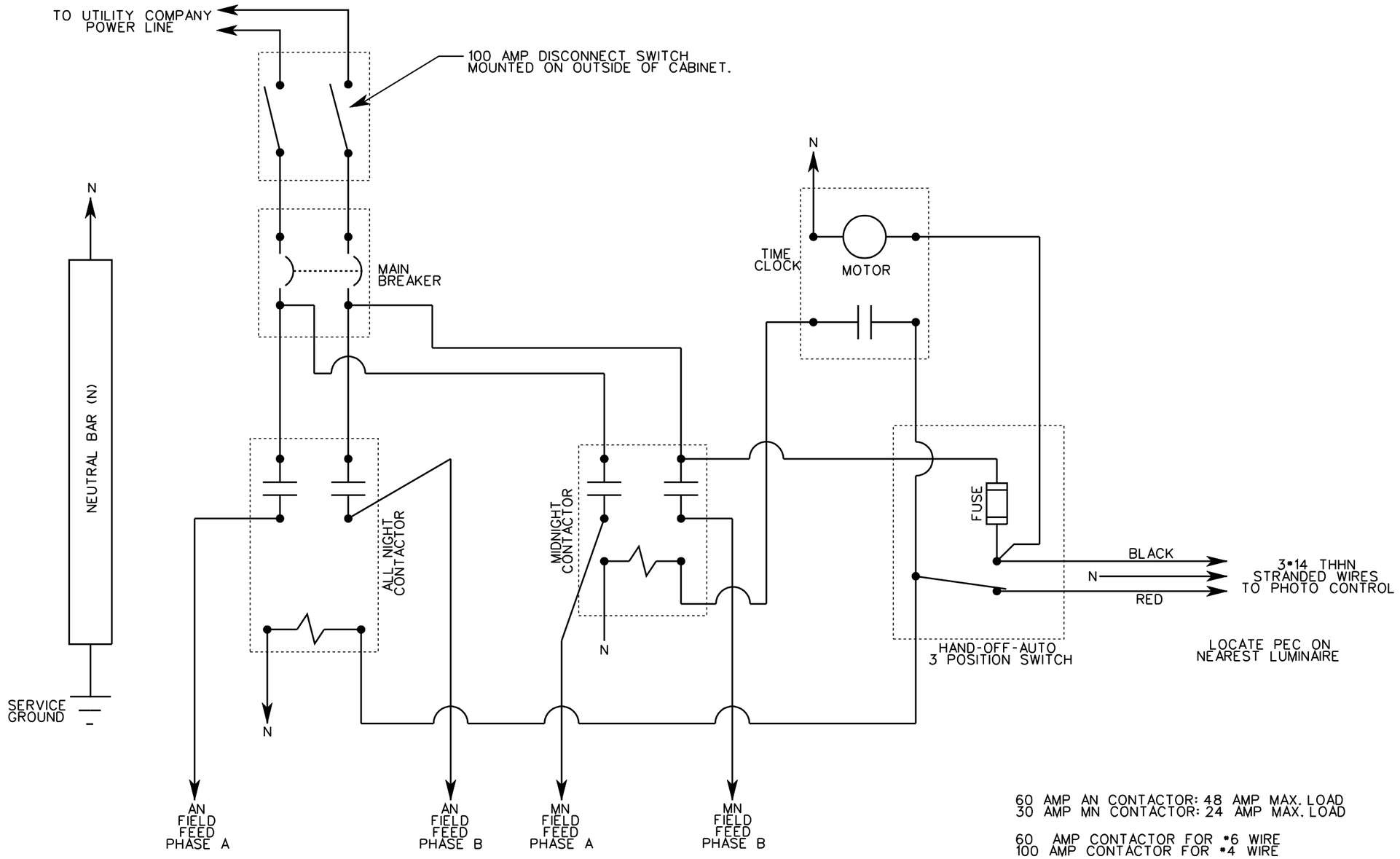


ELEVATION DETAIL FOR CONCRETE BASES



TYPICAL CONDUIT DETAIL

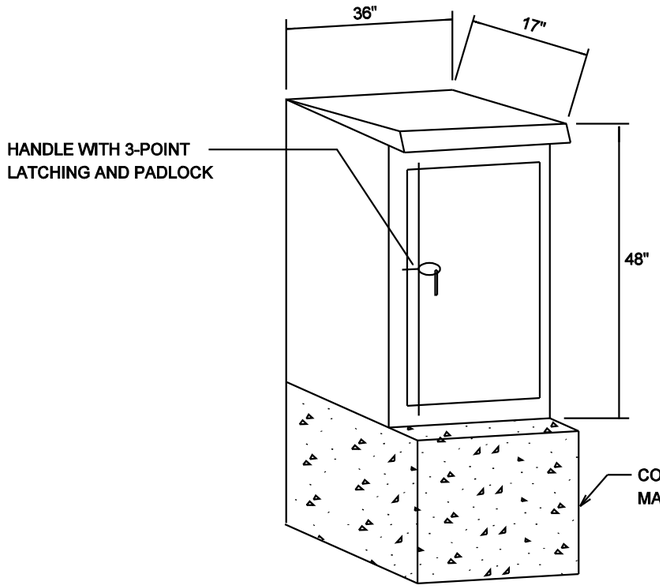
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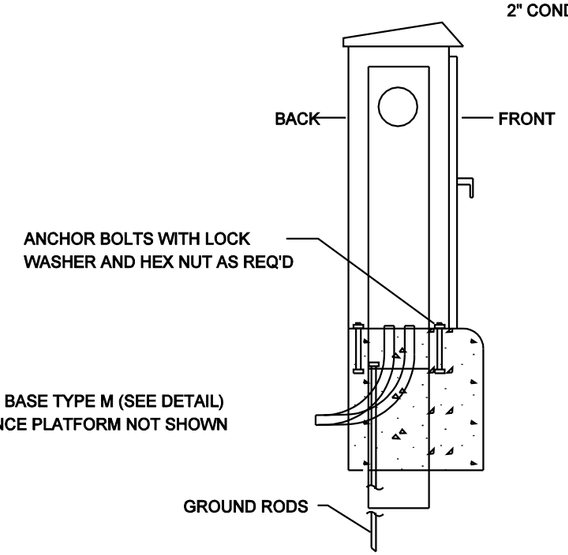
NOTE:
CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL

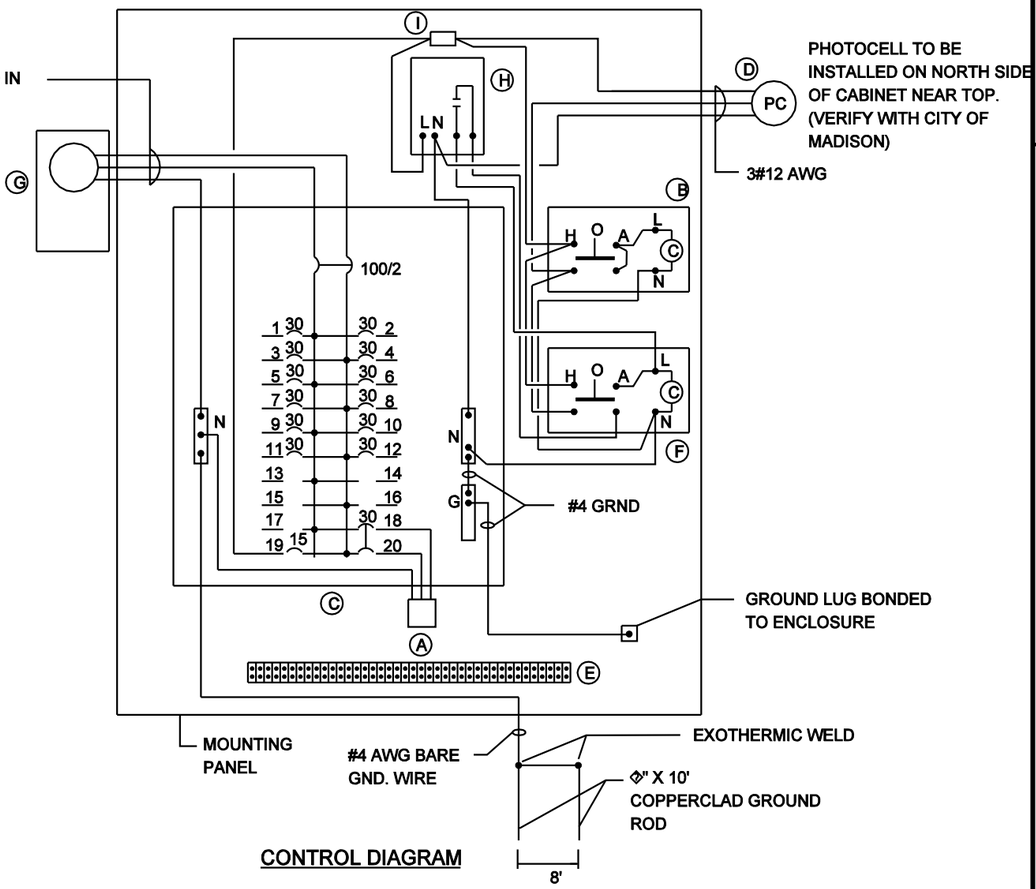
SCALE: NONE



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.

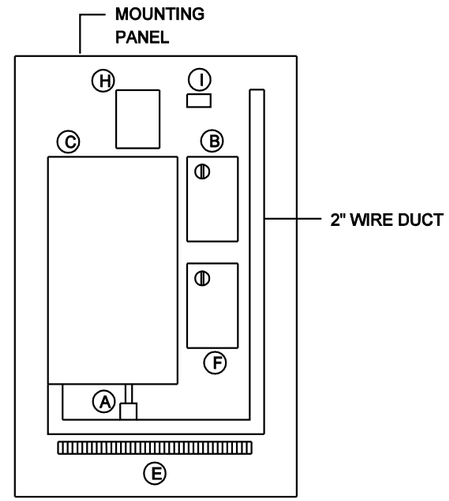
THE TIME CLOCK SHALL BE SET AS THE CITY OF MADISON DIRECTS.

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



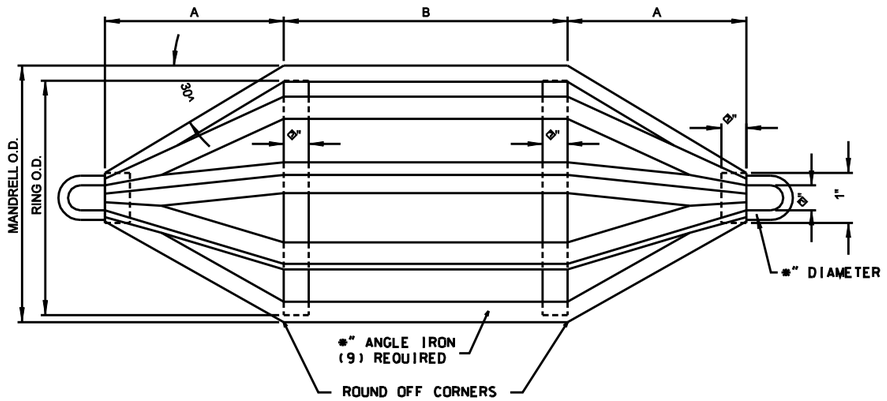
EQUIPMENT LAYOUT

LIGHTING CONTROL CABINET DETAIL

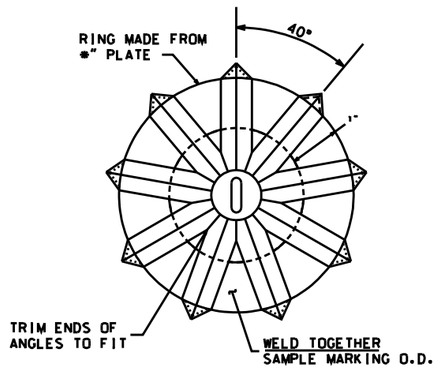
SCALE: NONE

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\DETAILS.dgn PLOT DATE : 12/9/2011 PLOTTIME : 12:00:16 PM PLOT BY : cas1



SIDE VIEW



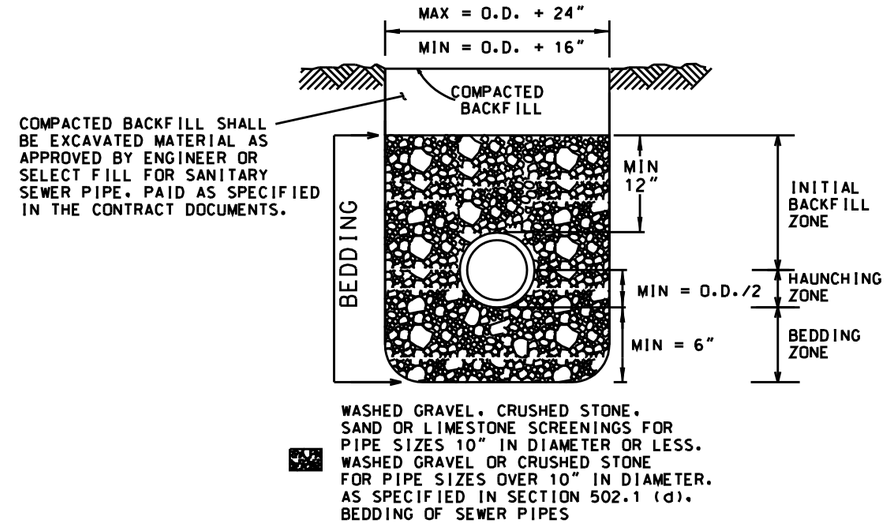
END VIEW

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.

NOMINAL PIPE SIZE	DIMENSIONS		MANDRELL	RING
ID. in	A. in	B. in	O.D.. in	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 DETAIL FOR P.V.C. SEWER PIPE



NOTES:

UNLESS OTHERWISE SPECIFIED, ALL SANITARY 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.

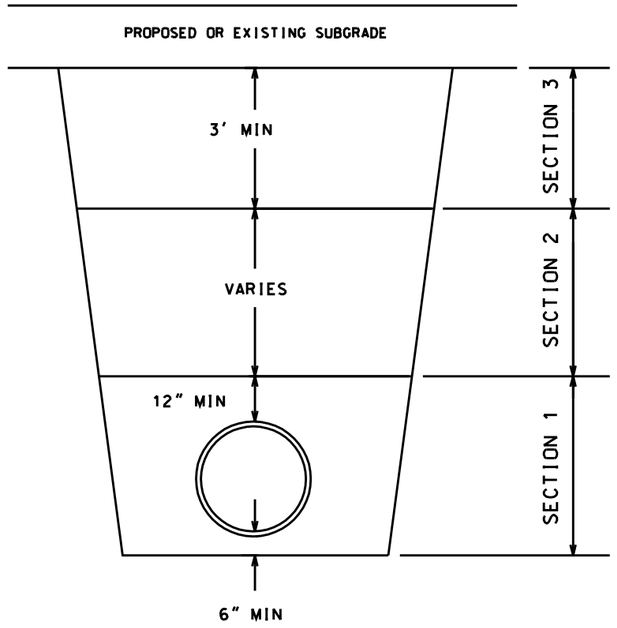
ALL TRENCHES SHALL BE HAND BACKFILLED TO A POINT 12" ABOVE THE TOP OF THE PIPE. ALL BEDDING SHALL BE MECHANICALLY COMPACTED.

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

SELECT FILL FOR SANITARY SEWER PIPE AND BEDDING DETAIL



TYPICAL TRENCH COMPACTION

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

IN COLD WEATHER, TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN SECTION 502.1 (e), 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.

SECTION 2:

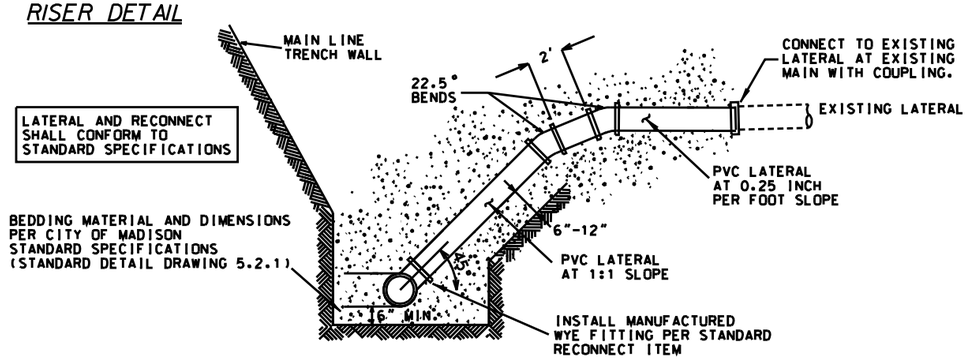
MINIMUM COMPACTION OF 90% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO FEET ABOVE THE TOP OF PIPE.

SECTION 3:

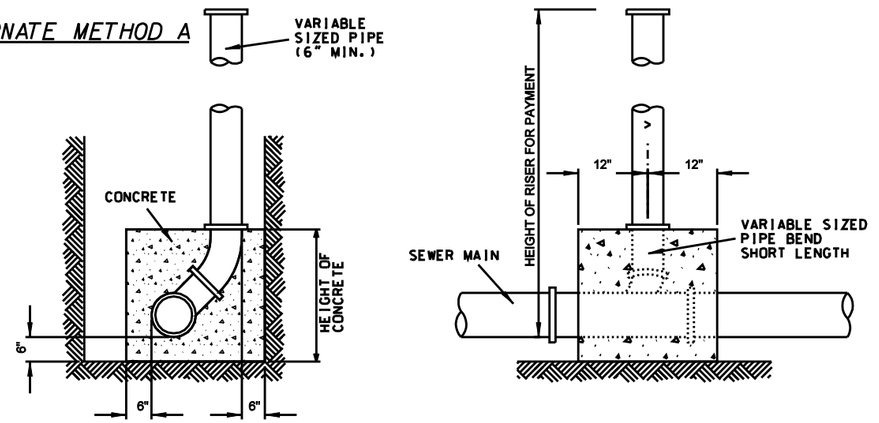
MINIMUM COMPACTION OF 95% MAXIMUM DENSITY.

SANITARY SEWER TRENCH COMPACTION DETAIL

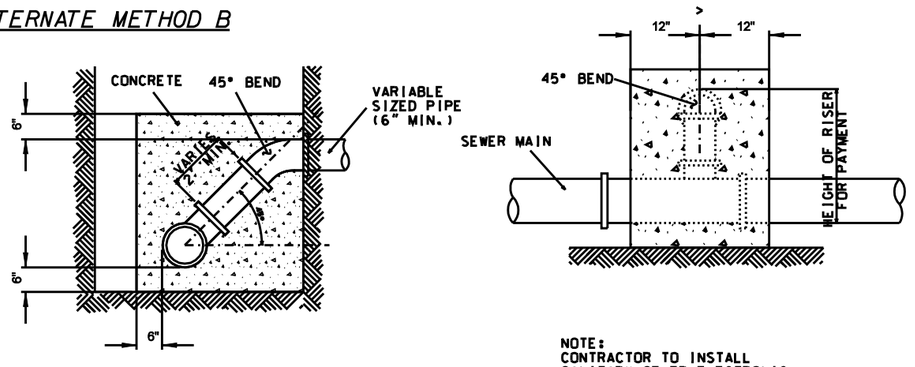
RISER DETAIL



ALTERNATE METHOD A

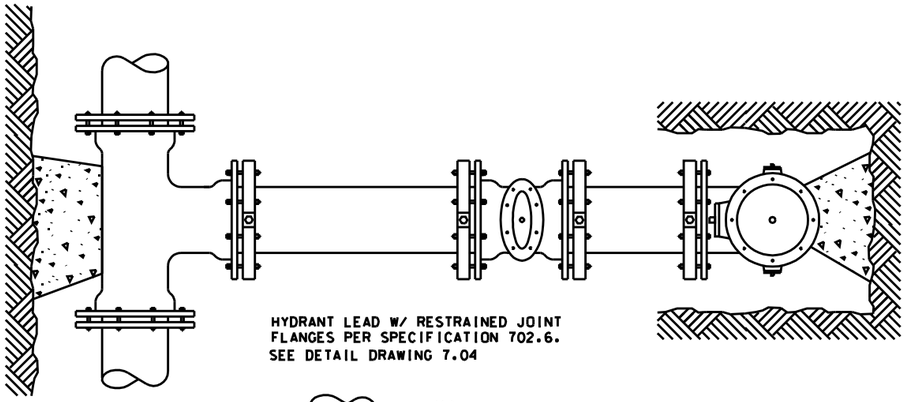


ALTERNATE METHOD B



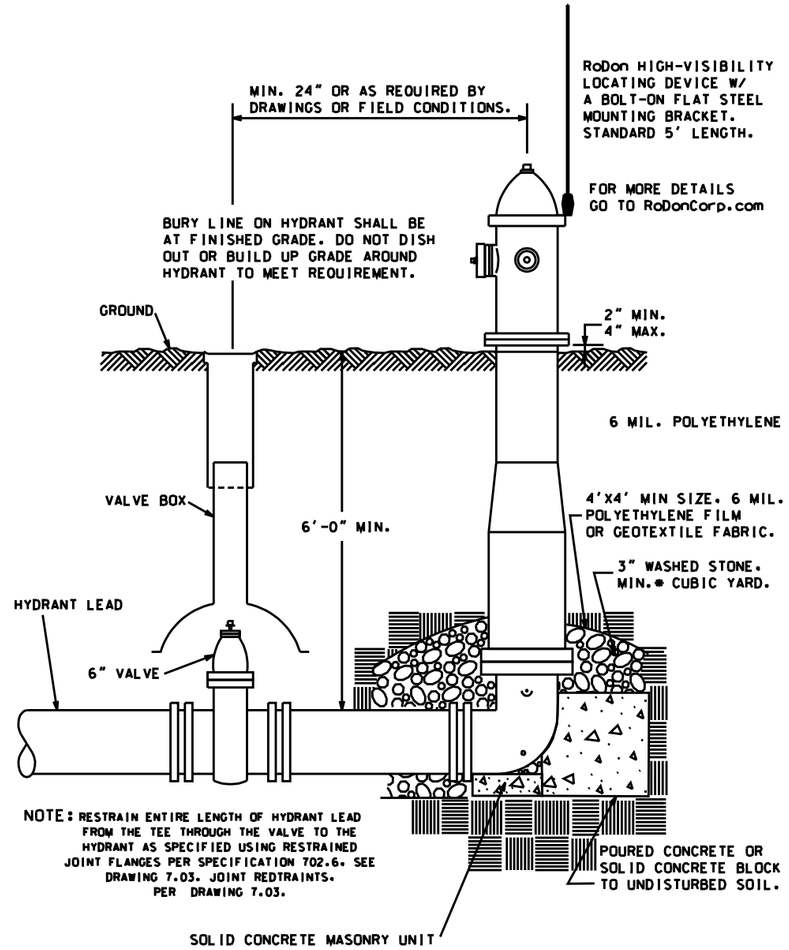
NOTE:
CONTRACTOR TO INSTALL SANITARY SEWER ELECTRONIC MARKERS PER SPECIFICATIONS.

SANITARY SEWER LATERAL DETAIL



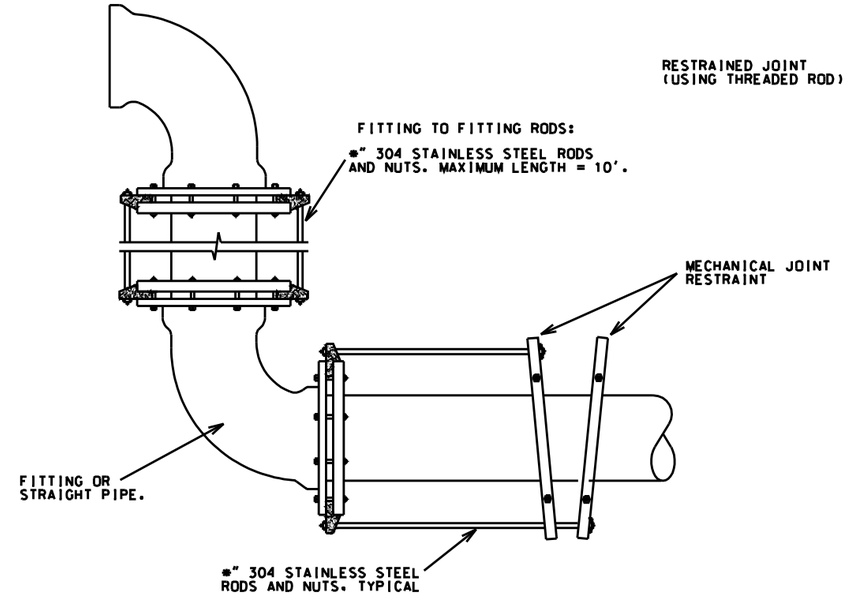
REVISED 1/2008

STANDARD THRUST BLOCKING DETAIL



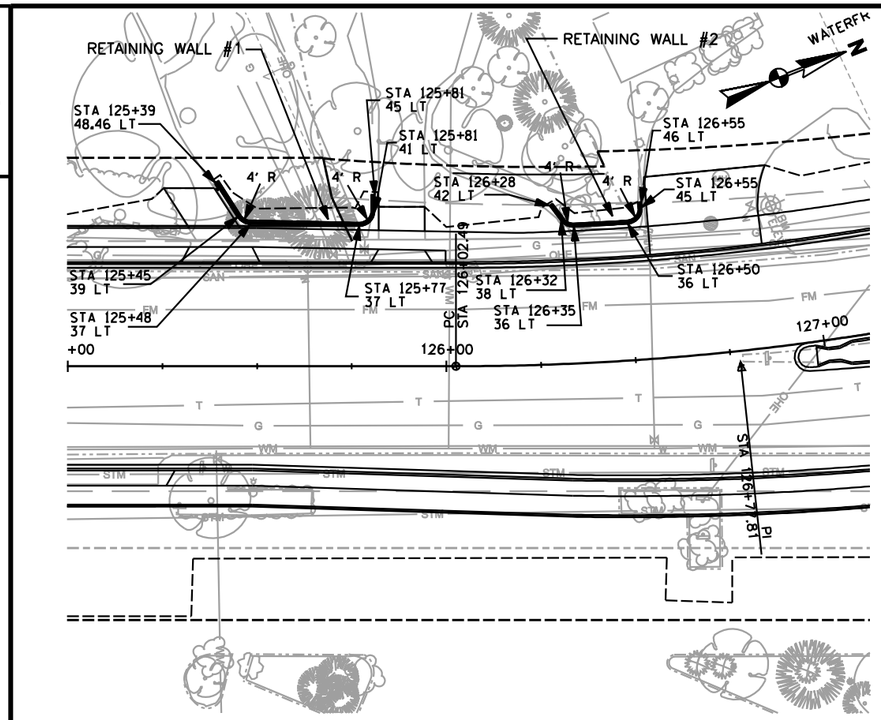
REVISED 1/2009

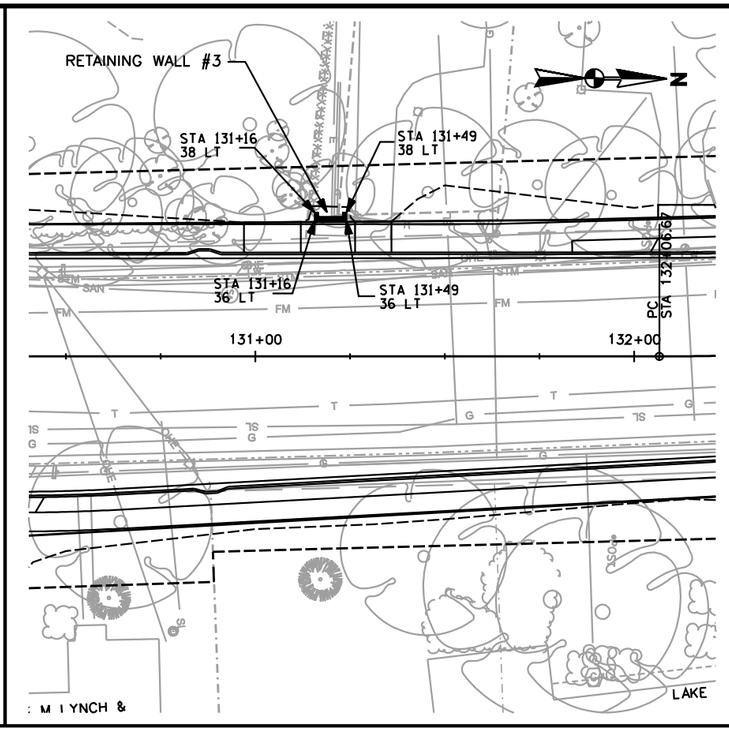
FIRE HYDRANT INSTALLATION DETAIL

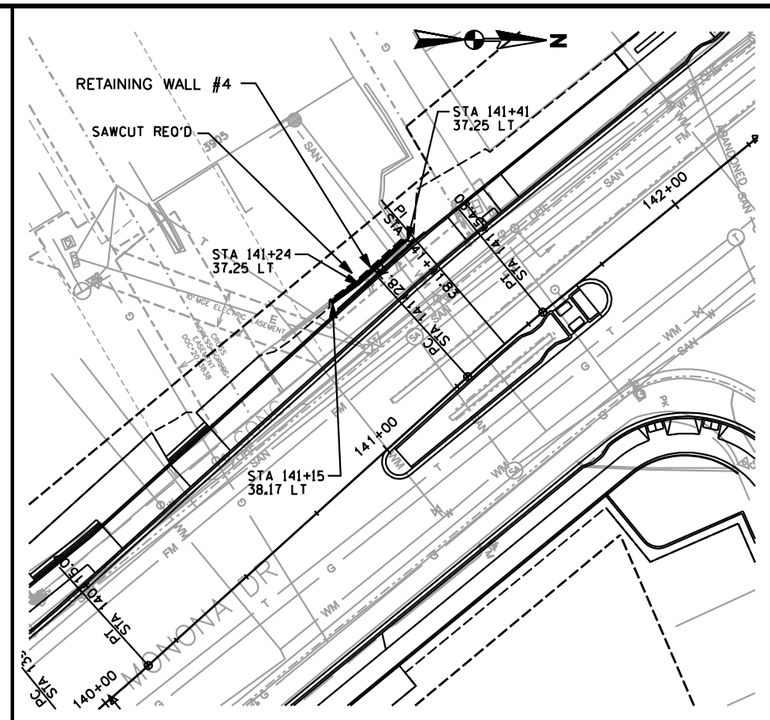


REVISED 1/2008

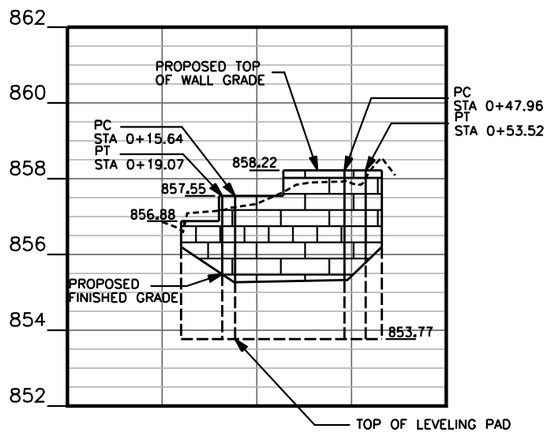
DETAIL FOR RODDING OF WATER MAIN FITTINGS



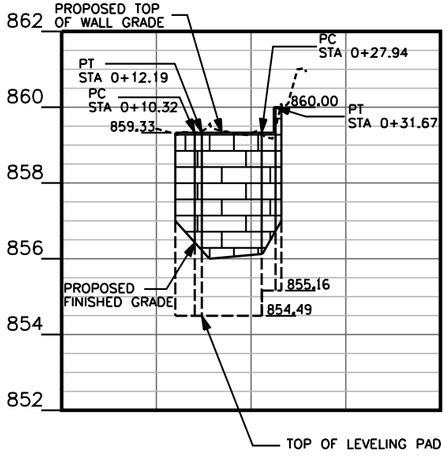




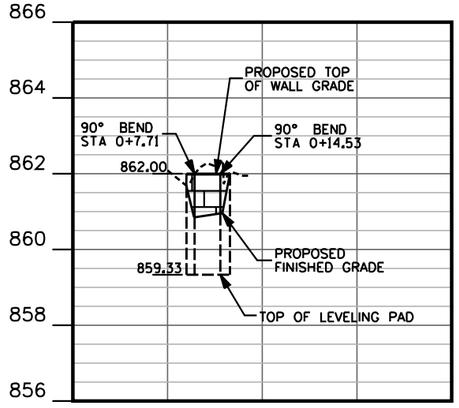
RETAINING WALL #1
FIELD STONE



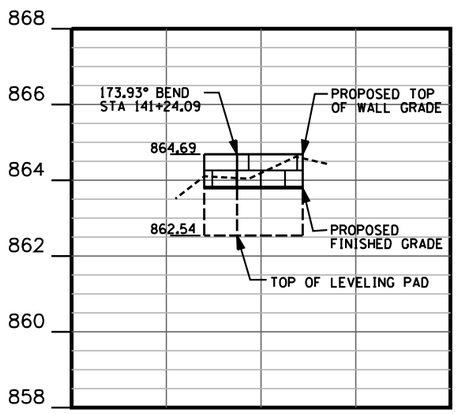
RETAINING WALL #2
FIELD STONE



RETAINING WALL #3
FIELD STONE



RETAINING WALL #4
RR TIES



NOTES:

OFFSET TO FRONT FACE OF WALL AT FINISHED GRADE

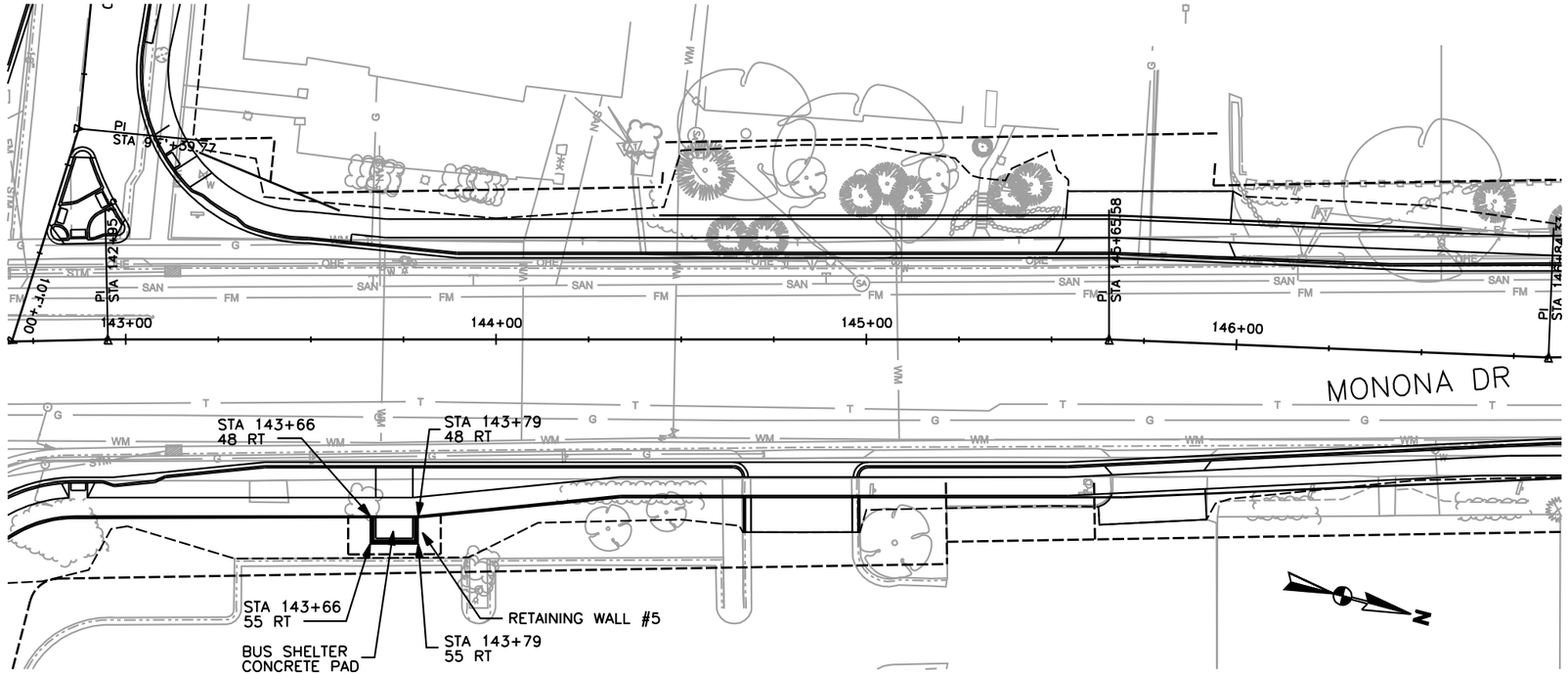
PROVIDE BASE AGGREGATE DENSE 1-1/4 INCH LEVELING PAD FOR ALL WALLS INCIDENTAL TO BID ITEM SALVAGE AND REPLACE RETAINING WALL

EXCAVATION FOR WALLS IS INCIDENTAL TO BID ITEM SALVAGE AND REPLACE RETAINING WALL

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	SALVAGE AND REPLACE RETAINING WALL DETAILS , WALLS #1, #2, #3 & #4	SHEET 34	E

FILE NAME : x:\md\le\2006\08m085\cad\plans\RETWALL01.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:00:32 PM PLOT BY : cas1

WISDOT/CADDS SHEET 41



SAFETY FACTORS

SLIDING (FS > 1.5)
OVERTURNING (FS > 2.0)
GLOBAL STABILITY (FS > 1.3)
ULITMATE BEARING CAPACITY (FS > 2.0)

GEOTECHNICAL INFORMATION

ALLOWABLE BEARING CAPACITY = 1.5 TONS/S.F.

GENERAL NOTES

WALL PROFILE SHOWS MINIMUM ELEVATION FOR THE TOP OF WALL. THE AREA CALCULATED FOR PAYMENT IS FROM THE MINIMUM TOP OF WALL ELEVATION TO 1'-6" BELOW FINSHED GRADE (TOP OF LEVELING PAD).

DRAWINGS SHALL NOT BE SCALED.

SET BACK VARIES BY MANUFACTURER. MAXIMUM FRONT FACE FROM VERTICAL IS 1 HORIZ. TO 12 VERT.

FOTH INFRASTRUCTURE & ENVIRONMENT, LLC CONTACT:
CHRIS SAXBY, P.E.
(608) 242-5942

CONCRETE FILLER TO BE PAID AS CONCRETE SIDEWALK 4 INCH

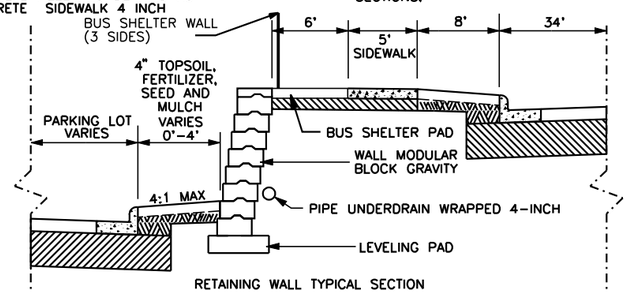
DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION.
THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS AND DETAILS COMMON TO ANY WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

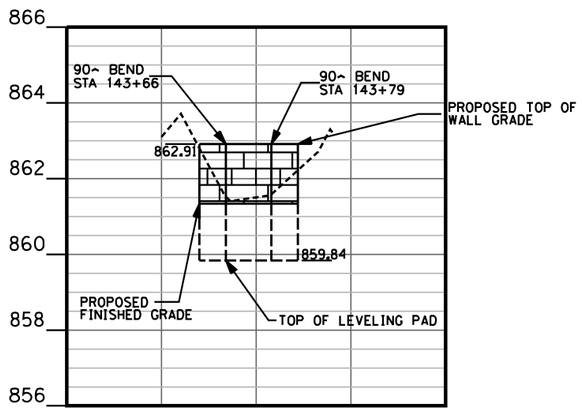
DESIGN FOR RETAINING WALL SHALL PROVIDE FOR A SLOPED FINISHED GRADE BEHIND THE WALL AS SHOWN IN THE CROSS SECTIONS.



RETAINING WALL TYPICAL SECTION

NOTE:
OFFSET TO FRONT FACE OF WALL AT FINISHED GRADE

RETAINING WALL #5



860 858 856 854 852 850 848 846 844 842

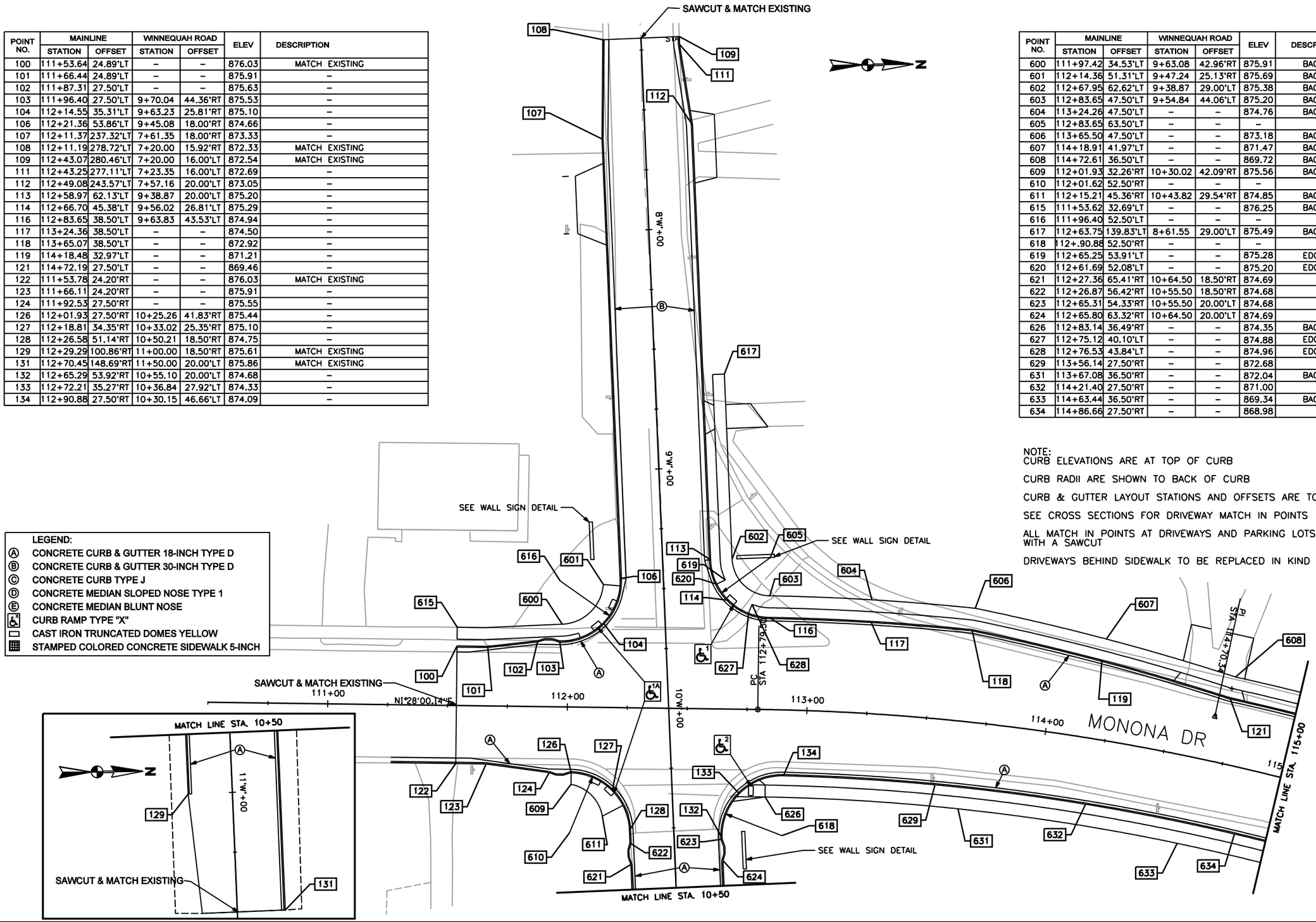
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	RETAINING WALL DETAILS , WALL #5	SHEET 35	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\RETWALL02.dgn PLOT DATE : 12/9/2011 PLOT TIME : 11:53:33 AM PLOT BY : cas1

WISDOT/CADDS SHEET 41

POINT NO.	MAINLINE		WINNEQUAH ROAD		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET		
100	111+53.64	24.89'LT	–	–	876.03	MATCH EXISTING
101	111+66.44	24.89'LT	–	–	875.91	–
102	111+87.31	27.50'LT	–	–	875.63	–
103	111+96.40	27.50'LT	9+70.04	44.36'RT	875.53	–
104	112+14.55	35.31'LT	9+63.23	25.81'RT	875.10	–
106	112+21.36	53.86'LT	9+45.08	18.00'RT	874.66	–
107	112+11.37	237.32'LT	7+61.35	18.00'RT	873.33	–
108	112+11.19	278.72'LT	7+20.00	15.92'RT	872.33	MATCH EXISTING
109	112+43.07	280.46'LT	7+20.00	16.00'LT	872.54	MATCH EXISTING
111	112+43.25	277.11'LT	7+23.35	16.00'LT	872.69	–
112	112+49.08	243.57'LT	7+57.16	20.00'LT	873.05	–
113	112+58.97	62.13'LT	9+38.87	20.00'LT	875.20	–
114	112+66.70	45.38'LT	9+56.02	26.81'LT	875.29	–
116	112+83.65	38.50'LT	9+63.83	43.53'LT	874.94	–
117	113+24.36	38.50'LT	–	–	874.50	–
118	113+65.07	38.50'LT	–	–	872.92	–
119	114+18.48	32.97'LT	–	–	871.21	–
121	114+72.19	27.50'LT	–	–	869.46	–
122	111+53.78	24.20'RT	–	–	876.03	MATCH EXISTING
123	111+66.11	24.20'RT	–	–	875.91	–
124	111+92.53	27.50'RT	–	–	875.55	–
126	112+01.93	27.50'RT	10+25.26	41.83'RT	875.44	–
127	112+18.81	34.35'RT	10+33.02	25.35'RT	875.10	–
128	112+26.58	51.14'RT	10+50.21	18.50'RT	874.75	–
129	112+29.29	100.86'RT	11+00.00	18.50'RT	875.61	MATCH EXISTING
131	112+70.45	148.69'RT	11+50.00	20.00'LT	875.86	MATCH EXISTING
132	112+65.29	53.92'RT	10+55.10	20.00'LT	874.68	–
133	112+72.21	35.27'RT	10+36.84	27.92'LT	874.33	–
134	112+90.88	27.50'RT	10+30.15	46.66'LT	874.09	–

POINT NO.	MAINLINE		WINNEQUAH ROAD		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET		
600	111+97.42	34.53'LT	9+63.08	42.96'RT	875.91	BACK OF SIDEWALK
601	112+14.36	51.31'LT	9+47.24	25.13'RT	875.69	BACK OF SIDEWALK
602	112+67.95	62.62'LT	9+38.87	29.00'LT	875.38	BACK OF SIDEWALK
603	112+83.65	47.50'LT	9+54.84	44.06'LT	875.20	BACK OF SIDEWALK
604	113+24.26	47.50'LT	–	–	874.76	BACK OF SIDEWALK
605	112+83.65	63.50'LT	–	–	–	R= 25.00'
606	113+65.50	47.50'LT	–	–	873.18	BACK OF SIDEWALK
607	114+18.91	41.97'LT	–	–	871.47	BACK OF SIDEWALK
608	114+72.61	36.50'LT	–	–	869.72	BACK OF SIDEWALK
609	112+01.93	32.26'RT	10+30.02	42.09'RT	875.56	BACK OF SIDEWALK
610	112+01.62	52.50'RT	–	–	–	R= 25.00'
611	112+15.21	45.36'RT	10+43.82	29.54'RT	874.85	BACK OF SIDEWALK
615	111+53.62	32.69'LT	–	–	876.25	BACK OF SIDEWALK
616	111+96.40	52.50'LT	–	–	–	R= 25.00'
617	112+63.75	139.83'LT	8+61.55	29.00'LT	875.49	BACK OF SIDEWALK
618	112+.90.88	52.50'RT	–	–	–	R= 25.00'
619	112+65.25	53.91'LT	–	–	875.28	EDGE OF SIDEWALK
620	112+61.69	52.08'LT	–	–	875.20	EDGE OF SIDEWALK
621	112+27.36	65.41'RT	10+64.50	18.50'RT	874.69	–
622	112+26.87	56.42'RT	10+55.50	18.50'RT	874.68	–
623	112+65.31	54.33'RT	10+55.50	20.00'LT	874.68	–
624	112+65.80	63.32'RT	10+64.50	20.00'LT	874.69	–
626	112+83.14	36.49'RT	–	–	874.35	BACK OF SIDEWALK
627	112+75.12	40.10'LT	–	–	874.88	EDGE OF SIDEWALK
628	112+76.53	43.84'LT	–	–	874.96	EDGE OF SIDEWALK
629	113+56.14	27.50'RT	–	–	872.68	–
631	113+67.08	36.50'RT	–	–	872.04	BACK OF SIDEWALK
632	114+21.40	27.50'RT	–	–	871.00	–
633	114+63.44	36.50'RT	–	–	869.34	BACK OF SIDEWALK
634	114+86.66	27.50'RT	–	–	868.98	–



LEGEND:

- Ⓐ CONCRETE CURB & GUTTER 18-INCH TYPE D
- Ⓑ CONCRETE CURB & GUTTER 30-INCH TYPE D
- Ⓒ CONCRETE CURB TYPE J
- Ⓓ CONCRETE MEDIAN SLOPED NOSE TYPE 1
- Ⓔ CONCRETE MEDIAN BLUNT NOSE
- CURB RAMP TYPE "X"
- CAST IRON TRUNCATED DOMES YELLOW
- STAMPED COLORED CONCRETE SIDEWALK 5-INCH

NOTE:
CURB ELEVATIONS ARE AT TOP OF CURB

CURB RADII ARE SHOWN TO BACK OF CURB

CURB & GUTTER LAYOUT STATIONS AND OFFSETS ARE TO BACK OF CURB

SEE CROSS SECTIONS FOR DRIVEWAY MATCH IN POINTS

ALL MATCH IN POINTS AT DRIVEWAYS AND PARKING LOTS SHALL BE DELINEATED WITH A SAWCUT

DRIVEWAYS BEHIND SIDEWALK TO BE REPLACED IN KIND

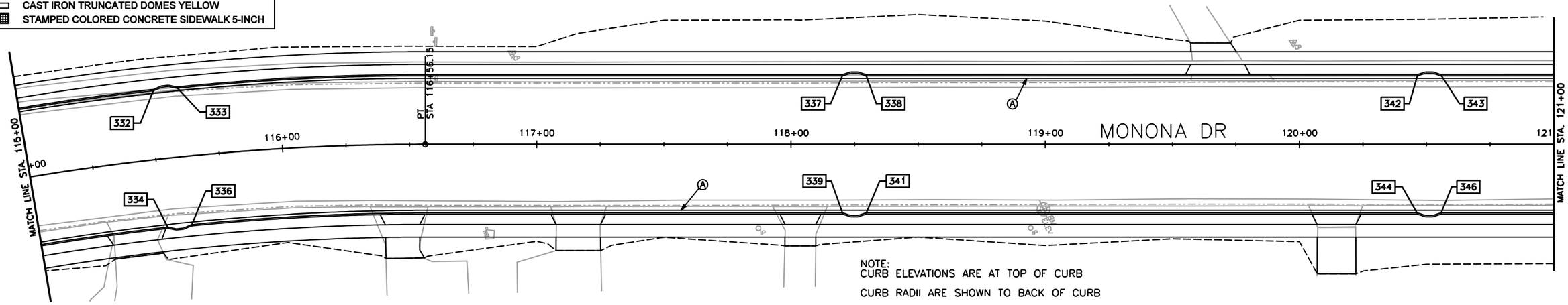
2

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\PDETAIL01_2-1.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:00:36 PM

2

LEGEND:
- Ⓐ CONCRETE CURB & GUTTER 18-INCH TYPE D
- Ⓑ CONCRETE CURB & GUTTER 30-INCH TYPE D
- Ⓒ CONCRETE CURB TYPE J
- Ⓓ CONCRETE MEDIAN SLOPED NOSE TYPE 1
- Ⓔ CONCRETE MEDIAN BLUNT NOSE
- CURB RAMP TYPE "X"
- CAST IRON TRUNCATED DOMES YELLOW
- STAMPED COLORED CONCRETE SIDEWALK 5-INCH



NOTE:
CURB ELEVATIONS ARE AT TOP OF CURB

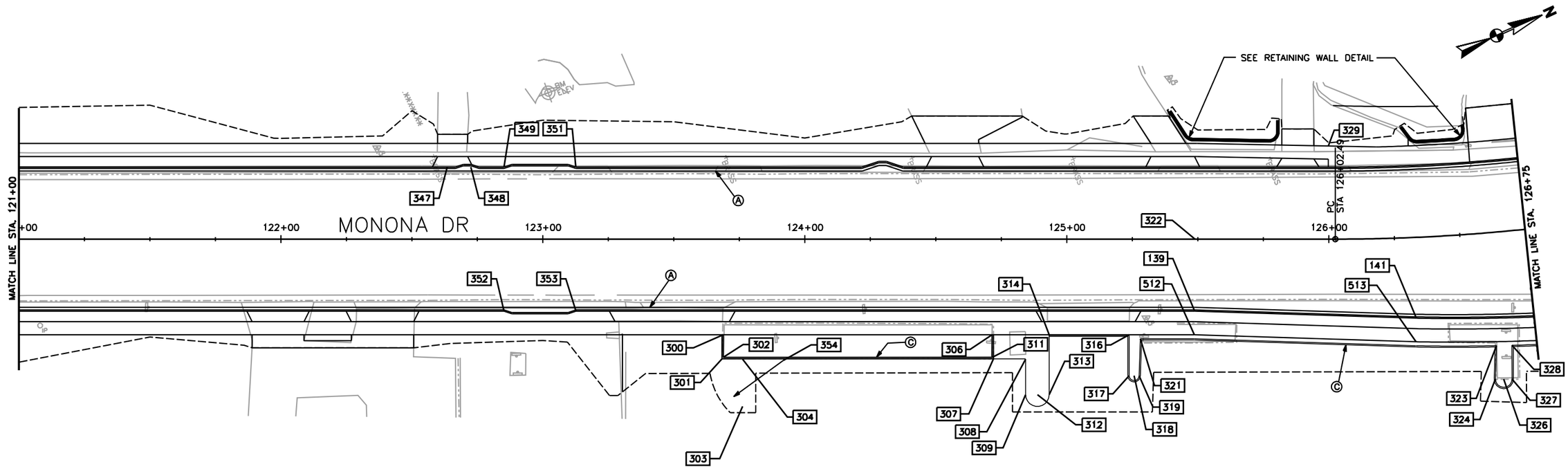
CURB RADII ARE SHOWN TO BACK OF CURB

CURB & GUTTER LAYOUT STATIONS AND OFFSETS ARE TO BACK OF CURB

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ALL MATCH IN POINTS AT DRIVEWAYS AND PARKING LOTS SHALL BE DELINEATED WITH A SAWCUT

DRIVEWAYS BEHIND SIDEWALK TO BE REPLACED IN KIND



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\PDETAIL01_2-2.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:00:42 PM

2

POINT NO.	MAINLINE		ELEV	DESCRIPTION
	STATION	OFFSET		
139	125+48.79	27.50'RT	855.90	–
141	126+32.14	30.83'RT	856.58	–

POINT NO.	MAINLINE		ELEV	DESCRIPTION
	STATION	OFFSET		
300	123+68.87	36.50'RT	853.72	–
301	123+68.37	45.70'RT	–	PAINT MARKING
302	123+68.87	45.20'RT	853.69	–
303	123+76.26	63.86'RT	–	PAINT MARKING
304	123+76.26	45.86'RT	–	PAINT MARKING
306	124+71.46	36.50'RT	854.59	–
307	124+71.96	45.70'RT	–	PAINT MARKING
308	124+84.26	45.86'RT	–	PAINT MARKING
309	124+84.26	59.36'RT	–	PAINT MARKING
311	124+71.46	45.20'RT	854.56	–
312	124+88.76	59.36'RT	–	R= 4.50'
313	124+93.26	59.36'RT	–	PAINT MARKING
314	124+93.26	36.50'RT	854.77	–
316	125+23.76	36.50'RT	855.04	–
317	125+23.76	52.09'RT	855.00	–
318	125+25.67	52.09'RT	–	R= 1.91'
319	125+27.58	52.15'RT	855.00	–
321	125+28.03	38.00'RT	855.05	–
322	125+48.90	0.00'RT	855.08	CENTERLINE
323	126+60.50	43.20'RT	856.18	–
324	126+59.16	55.81'RT	856.30	–
326	126+62.07	56.17'RT	–	R=3.16'
327	126+64.99	56.43'RT	856.30	–
328	126+66.03	43.57'RT	856.18	–
329	125+99.76	35.53'LT	855.07	BACK OF SIDEWALK
332	115+52.18	27.50'LT	866.92	–
333	115+60.93	27.50'LT	866.65	–
334	115+51.92	27.50'RT	866.93	–
336	115+61.19	27.50'RT	866.64	–
337	118+20.42	27.50'LT	858.86	–
338	118+29.42	27.50'LT	858.65	–
339	118+20.43	27.50'RT	858.86	–
341	118+29.43	27.50'RT	858.86	–
342	120+46.52	27.50'LT	854.84	–
343	120+55.52	27.50'LT	854.74	–
344	120+46.52	27.50'RT	854.84	–
346	120+55.53	27.50'RT	854.74	–
347	122+63.50	27.50'LT	853.35	–
348	122+72.50	27.50'LT	853.32	–
349	122+85.19	27.50'LT	–	–
351	123+12.60	27.50'LT	–	–
352	122+85.20	27.50'RT	853.30	–
353	123+12.61	27.50'RT	853.30	–
354	123+91.78	46.32'RT	–	R= 23.42'

POINT NO.	MAINLINE		ELEV	DESCRIPTION
	STATION	OFFSET		
512	125+48.67	36.50'RT	855.30	BACK OF SIDEWALK
513	126+31.62	39.82'RT	856.05	BACK OF SIDEWALK

2

MONONA DR

BUCKEYE RD

LAKE EDGE BLVD

MATCH LINE STA. 126+75

MATCH LINE STA. 132+50

PT STA 127+82.56

PC STA 127+96.65

PT STA 130+27.95

PC STA 132+06.67

PI STA 129+12.95

127+00 128+00 129+00 130+00 131+00 132+00

101+00 117+00 121+00

N57°09'38.43"W

S57°09'38.43"E

7.5'

20'

9' TALLS (TYP.)

WALL SIGN SEE DETAIL

SAWCUT & MATCH EXISTING

LEGEND:

- (A) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (C) CONCRETE CURB TYPE J
- (D) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (E) CONCRETE MEDIAN BLUNT NOSE
- CURB RAMP TYPE "X"
- CAST IRON TRUNCATED DOMES YELLOW
- STAMPED COLORED CONCRETE SIDEWALK 5-INCH

NOTE:
CURB ELEVATIONS ARE AT TOP OF CURB

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SEE CROSS SECTIONS FOR DRIVEWAY MATCH IN POINTS

ALL MATCH IN POINTS AT DRIVEWAYS AND PARKING LOTS SHALL BE DELINEATED WITH A SAWCUT

DRIVEWAYS BEHIND SIDEWALK TO BE REPLACED IN KIND

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 39	E

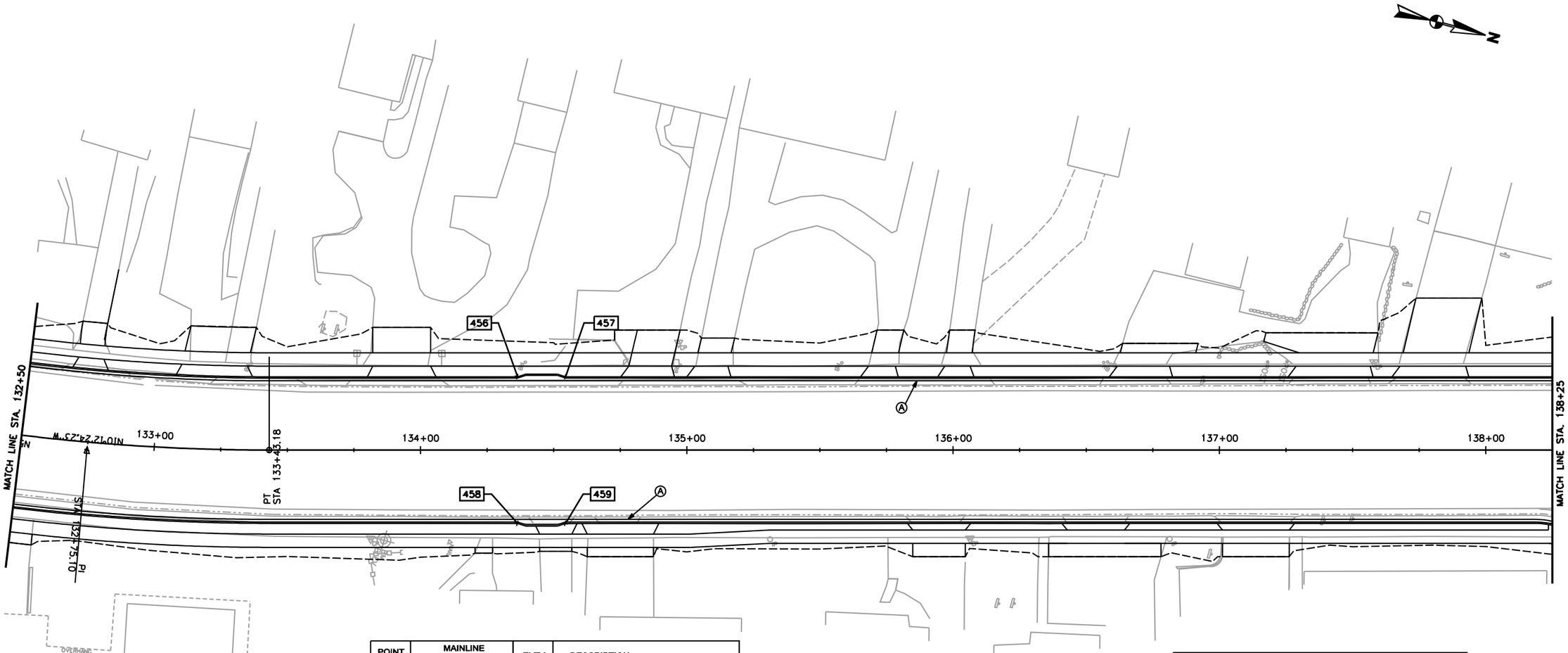
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POINT NO.	MAINLINE		BUCKEYE ROAD		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET		
136	126+95.45	1.00'RT	–	–	857.09	–
137	126+95.45	3.74'RT	–	–	–	R= 1.00'
138	126+95.26	6.48'RT	–	–	857.10	–
142	127+06.01	1.50'RT	–	–	857.10	–
143	127+53.85	1.50'RT	–	–	857.46	–
144	127+53.86	5.50'RT	–	–	–	R= 4.50'
146	127+53.74	9.50'RT	–	–	857.38	–
147	127+41.04	9.24'RT	–	–	857.31	–
148	126+99.94	6.30'RT	–	–	857.02	–
149	126+82.82	34.18'RT	–	–	856.50	–
151	127+33.25	37.74'RT	11+16.03	94.56'RT	856.79	–
152	127+71.18	65.12'RT	11+16.40	46.78'RT	856.84	–
153	127+66.95	112.72'RT	11+57.85	23.00'RT	856.05	–
154	127+02.19	231.68'RT	13+00.00	23.00'RT	856.33	MATCH EXISTING
156	127+31.13	256.05'RT	13+00.00	23.00'LT	856.32	MATCH EXISTING
157	127+61.90	200.31'RT	12+25.49	23.00'LT	855.80	–
158	127+79.52	175.95'RT	11+95.43	23.50'LT	855.63	–
159	128+29.46	99.85'RT	11+08.88	23.50'LT	856.27	–

POINT NO.	MAINLINE		LAKE EDGE BLVD		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET		
161	128+00.31	68.91'RT	–	–	856.94	–
162	127+98.81	67.73'RT	–	–	–	R= 2.50'
163	127+96.98	68.13'RT	–	–	856.90	–
164	127+94.05	58.13'RT	–	–	857.01	–
166	127+89.40	48.79'RT	–	–	857.13	–
167	127+91.10	47.75'RT	–	–	–	R= 2.50'
168	127+91.86	45.90'RT	–	–	857.28	–
169	127+99.17	49.14'RT	–	–	857.25	–
171	128+06.06	52.77'RT	–	–	857.10	–
172	128+04.29	56.30'RT	–	–	–	R= 4.50'
173	128+07.32	58.67'RT	–	–	857.04	–
174	128+40.95	93.19'RT	10+41.24	37.33'RT	856.40	–
176	128+52.89	98.85'RT	10+53.59	29.99'RT	856.33	–
177	128+78.87	133.06'RT	10+98.45	25.50'RT	855.86	–
179	129+42.33	212.53'RT	12+05.92	3.50'RT	853.73	–
181	128+62.02	67.21'RT	10+33.61	3.50'RT	857.07	–
182	128+65.45	64.62'RT	10+29.11	1.00'LT	857.15	R= 5.00'
183	128+68.90	62.05'RT	10+33.61	5.50'LT	857.06	–
184	129+53.02	217.62'RT	12+16.92	5.50'LT	853.75	–
186	129+68.59	207.01'RT	12+16.92	27.50'LT	853.33	–
187	129+16.52	101.28'RT	10+94.87	27.50'LT	856.06	–
188	129+14.88	60.83'RT	10+59.53	47.25'LT	856.20	–
189	128+94.05	63.78'RT	10+50.07	26.87'LT	857.16	–
191	128+92.24	63.31'RT	10+50.45	24.71'LT	–	R= 2.50'
192	128+90.68	64.41'RT	10+48.61	23.50'LT	857.22	–
193	128+84.63	54.67'RT	10+36.93	23.50'LT	857.65	–
194	128+87.77	52.46'RT	10+33.89	24.89'LT	–	R= 4.50'
196	128+86.18	48.83'RT	10+32.98	28.10'LT	857.71	–
197	128+89.92	47.07'RT	10+33.68	32.36'LT	857.75	–
198	128+93.71	45.42'RT	10+34.49	36.60'LT	857.63	–
199	128+95.11	49.14'RT	10+37.75	39.75'LT	–	R=4.50'
201	128+98.49	50.93'RT	10+41.86	37.83'LT	857.21	–
202	128+95.92	57.22'RT	10+45.66	32.12'LT	857.18	–
203	129+11.72	12.50'RT	–	–	858.12	–
204	128+74.52	15.23'RT	–	–	857.87	–
206	128+74.09	11.50'RT	–	–	857.94	–
207	128+71.84	13.48'RT	–	–	–	R= 2.50'
208	129+11.67	11.50'RT	–	–	858.14	–
209	129+11.67	12.00'RT	–	–	–	R= 0.98'
211	129+46.99	38.68'RT	10+57.83	87.71'LT	857.90	–
212	130+01.15	37.50'RT	–	–	858.67	–
213	130+31.46	37.21'RT	–	–	859.18	–
214	130+64.37	36.45'RT	–	–	859.67	–
216	132+48.88	27.50'RT	–	–	863.09	–
441	129+15.69	201.05'RT	11+78.50	25.20'RT	853.29	–
446	129+53.32	173.35'RT	11+78.50	27.50'LT	853.28	–

POINT NO.	MAINLINE		BUCKEYE ROAD		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET		
401	127+32.67	46.72'RT	–	–	857.05	BACK OF SIDEWALK
402	127+50.39	55.33'RT	–	–	857.09	–
403	127+51.10	68.55'RT	–	–	–	R= 3.50'
404	127+62.39	67.61'RT	–	–	857.10	–
406	127+32.58	48.22'RT	–	–	857.10	–
407	127+47.98	67.83'RT	–	–	857.00	–
408	127+52.32	71.78'RT	–	–	857.12	–
409	127+30.31	85.63'RT	–	–	–	R= 48.00'
411	127+52.73	78.09'RT	–	–	857.08	–
412	127+52.12	84.20'RT	–	–	857.04	–
413	127+64.68	73.16'RT	–	–	857.10	–
414	127+54.07	81.33'RT	–	–	–	R= 3.50'
416	127+65.67	93.71'RT	–	–	856.56	–
417	126+96.35	227.11'RT	12+92.93	32.00'RT	856.59	BACK OF SIDEWALK
418	127+51.82	229.33'RT	12+55.19	31.15'LT	856.30	BACK OF SIDEWALK
419	127+69.80	203.32'RT	12.23.44	31.20'LT	856.06	BACK OF SIDEWALK
421	128+32.34	108.47'RT	11+06.73	31.27'LT	856.39	BACK OF SIDEWALK
422	128+41.54	110.18'RT	10+29.11	1.00'LT	–	R= 17.00'
423	128+48.05	104.90'RT	10+93.16	42.99'LT	856.45	BACK OF SIDEWALK
424	129+19.42	74.91'RT	–	–	856.59	EDGE OF SIDEWALK
426	129+48.94	80.13'RT	–	–	–	R= 41.50'
427	129+47.43	47.67'RT	–	–	858.16	BACK OF SIDEWALK
431	128+77.31	27.50'LT	–	–	857.26	–
432	128+86.60	27.50'LT	–	–	857.26	–
433	128+76.11	11.50'RT	–	–	857.96	–
434	128+85.00	11.50'RT	–	–	857.97	–
436	128+76.33	15.06'RT	–	–	857.90	–
437	128+85.15	14.29'RT	–	–	857.92	–
438	129+25.15	47.37'RT	–	–	857.14	–
439	129+19.13	53.75'RT	–	–	856.29	–
448	130+83.89	35.38'RT	–	–	860.00	–
449	130+92.88	34.89'RT	–	–	860.10	–
451	130+81.97	27.39'LT	–	–	–	–
452	130+90.97	27.39'LT	–	–	–	–
461	127+31.96	41.66'RT	–	–	856.29	EDGE OF SIDEWALK
462	127+22.49	40.97'RT	–	–	860.00	EDGE OF SIDEWALK
463	127+97.15	154.78'RT	11+67.93	25.91'LT	856.35	EDGE OF SIDEWALK
464	128+00.63	157.65'RT	11+67.93	30.91'LT	856.45	EDGE OF SIDEWALK
466	128+32.34	108.47'RT	11+06.73	31.27'LT	857.91	EDGE OF SIDEWALK
467	128+28.73	105.53'RT	11+06.82	26.27'LT	857.81	EDGE OF SIDEWALK
468	128+23.35	113.50'RT	11+16.82	26.21'LT	857.79	EDGE OF SIDEWALK

2



POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV	DESCRIPTION
456	134+36.50	27.50'LT	863.40	–
457	134+54.50	27.50'LT	863.44	–
458	134+36.50	27.50'RT	863.40	–
459	134+54.50	27.50'RT	863.44	–

LEGEND:

- Ⓐ CONCRETE CURB & GUTTER 18-INCH TYPE D
- Ⓑ CONCRETE CURB & GUTTER 30-INCH TYPE D
- Ⓒ CONCRETE CURB TYPE J
- Ⓓ CONCRETE MEDIAN SLOPED NOSE TYPE 1
- Ⓔ CONCRETE MEDIAN BLUNT NOSE
- CURB RAMP TYPE "X"
- CAST IRON TRUNCATED DOMES YELLOW
- STAMPED COLORED CONCRETE SIDEWALK 5-INCH

NOTE:
CURB ELEVATIONS ARE AT TOP OF CURB

CURB RADII ARE SHOWN TO BACK OF CURB

CURB & GUTTER LAYOUT STATIONS AND OFFSETS ARE TO BACK OF CURB

SEE CROSS SECTIONS FOR DRIVEWAY MATCH IN POINTS

ALL MATCH IN POINTS AT DRIVEWAYS AND PARKING LOTS SHALL BE DELINEATED WITH A SAWCUT

DRIVEWAYS BEHIND SIDEWALK TO BE REPLACED IN KIND

NOTE:
CURB ELEVATIONS ARE AT TOP OF CURB

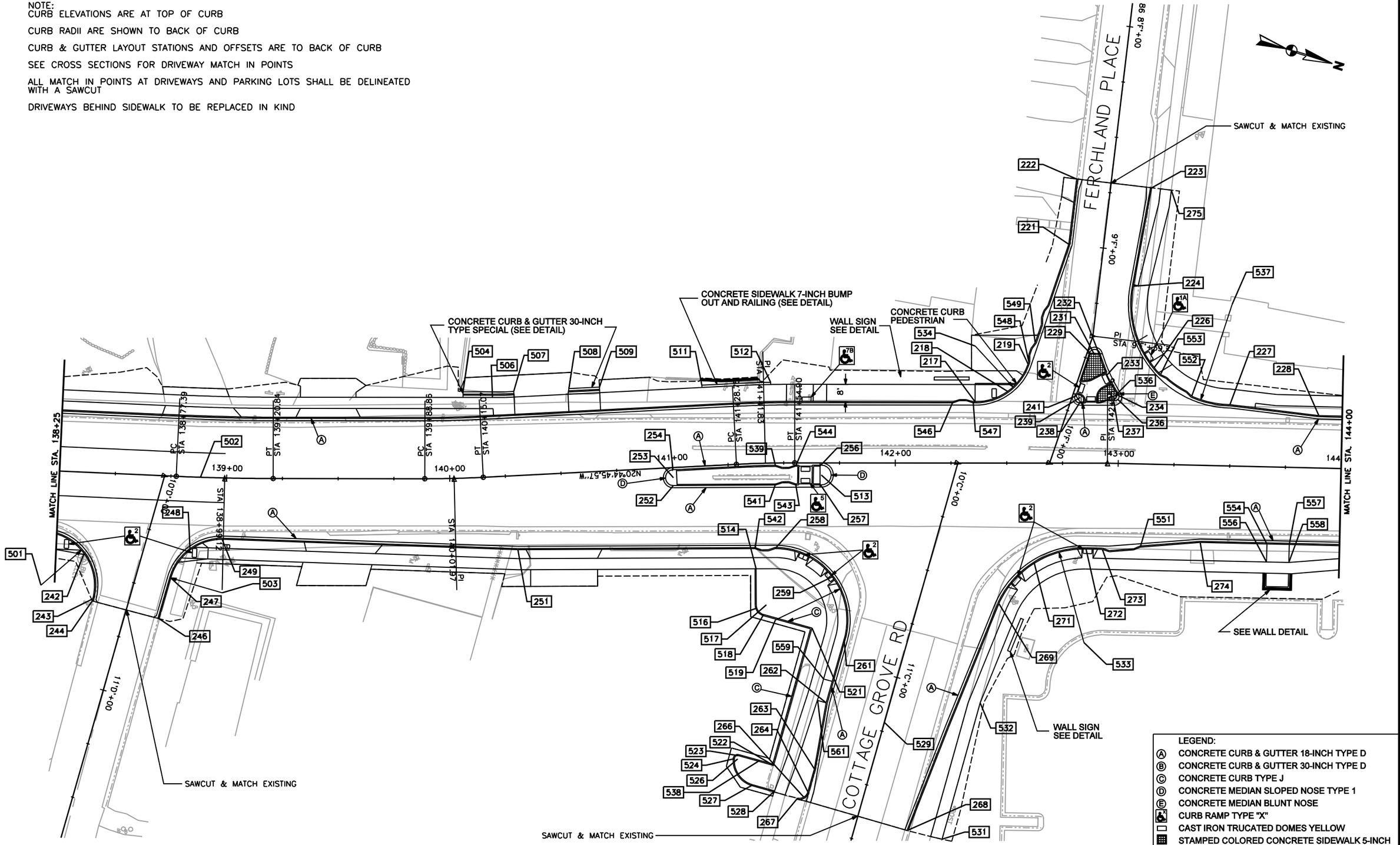
CURB RADII ARE SHOWN TO BACK OF CURB

CURB & GUTTER LAYOUT STATIONS AND OFFSETS ARE TO BACK OF CURB

SEE CROSS SECTIONS FOR DRIVEWAY MATCH IN POINTS

ALL MATCH IN POINTS AT DRIVEWAYS AND PARKING LOTS SHALL BE DELINEATED WITH A SAWCUT

DRIVEWAYS BEHIND SIDEWALK TO BE REPLACED IN KIND



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 42 E

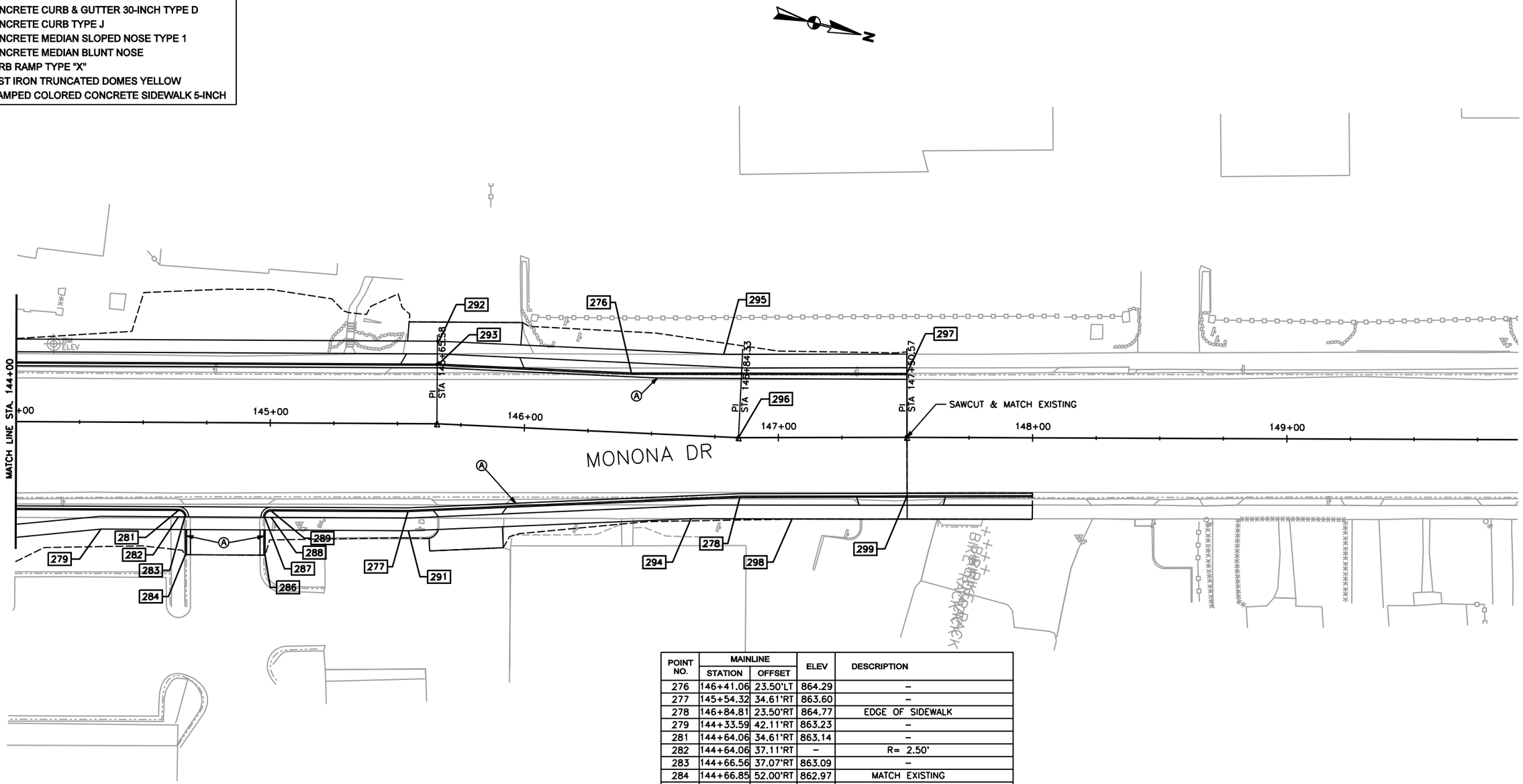
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POINT NO.	MAINLINE		DAVIDSON ROAD		FERCHLAND PLACE		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET		
217	142+35.80	27.50'LT	–	–	9+84.69	40.47'RT	862.74	–
218	142+50.36	32.18'LT	–	–	9+75.58	28.18'RT	862.68	–
219	142+59.47	44.47'LT	–	–	9+61.01	23.50'RT	862.60	–
221	142+77.79	98.48'LT	–	–	8+99.87	15.54'RT	864.34	–
222	142+81.23	127.51'LT	–	–	8+70.64	15.53'RT	862.11	MATCH EXISTING
223	143+12.20	123.94'LT	–	–	8+70.64	18.31'LT	862.09	MATCH EXISTING
224	143+05.04	79.69'LT	–	–	9+15.37	15.44'LT	863.87	–
226	143+15.20	43.33'LT	–	–	9+44.31	30.65'LT	863.09	–
227	143+49.46	27.50'LT	–	–	9+49.09	68.09'LT	863.07	–
228	143+89.46	23.50'LT	–	–	9+40.87	107.44'LT	863.30	–
229	142+87.47	49.20'LT	–	–	9+47.54	1.50'LT	863.03	–
231	142+89.37	48.56'LT	–	–	9+45.64	2.89'LT	863.02	R= 2.50'
232	142+91.28	49.14'LT	–	–	9+46.37	5.13'LT	863.04	–
233	142+94.97	39.42'LT	–	–	9+54.39	11.74'LT	862.80	–
234	142+99.13	30.65'LT	–	–	9+61.24	19.14'LT	862.81	–
236	142+99.23	28.62'LT	–	–	9+63.14	19.85'LT	862.82	–
237	142+97.50	27.55'LT	–	–	9+64.69	18.52'LT	862.82	–
238	142+82.90	27.49'LT	–	–	9+69.56	4.14'LT	862.76	–
239	142+82.90	29.49'LT	–	–	9+69.29	2.33'LT	862.76	R= 2.50
241	142+81.01	30.14'LT	–	–	9+67.67	1.50'LT	862.75	–
242	138+37.63	36.45'RT	10+43.45	25.12'RT	–	–	864.57	–
243	138+42.39	56.60'RT	10+61.95	15.82'RT	–	–	864.83	–
244	138+42.19	57.53'RT	10+62.90	15.80'RT	–	–	864.79	MATCH EXISTING
246	138+72.51	64.12'RT	10+62.29	15.22'LT	–	–	864.64	MATCH EXISTING
247	138+76.96	45.67'RT	10+43.31	15.28'LT	–	–	864.63	–
248	138+84.78	32.80'RT	10+28.90	20.13'LT	–	–	864.52	–
249	138+98.63	27.55'RT	10+20.30	32.68'LT	–	–	864.48	–
251	140+28.92	33.26'RT	–	–	–	–	963.72	–
275	143+21.05	123.11'LT	–	–	8+70.61	27.50'LT	862.35	BACK OF SIDEWALK

POINT NO.	MAINLINE		COTTAGE GROVE RD		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET		
252	141+00.05	8.06'RT	–	–	863.81	–
253	141+00.21	4.57'RT	–	–	–	R= 3.50'
254	141+00.22	1.00'RT	–	–	863.91	–
256	141+66.17	1.50'RT	–	–	863.14	–
257	141+66.21	9.37'RT	–	–	863.09	–
258	141+45.46	38.40'RT	10+59.25	68.35'RT	863.45	–
259	141+71.82	51.10'RT	10+64.43	40.25'RT	862.54	–
261	141+77.17	79.17'RT	10+90.00	27.50'RT	862.14	–
262	141+70.78	98.96'RT	11+19.58	27.50'RT	861.64	–
263	141+63.89	137.33'RT	11+49.58	24.50'RT	860.86	–
264	141+61.00	147.60'RT	11+60.25	24.50'RT	860.59	–
266	141+59.23	149.93'RT	11+62.97	25.57'RT	860.51	–
267	141+56.35	150.43'RT	11+64.24	28.20'RT	860.48	–
268	142+06.06	164.66'RT	11+64.45	23.50'LT	860.22	MATCH EXISTING
269	142+46.52	63.03'RT	10+55.66	34.88'LT	862.98	MATCH EXISTING
271	142+62.40	44.92'RT	10+33.92	45.25'LT	862.71	–
272	142+85.62	38.50'RT	10+21.44	65.85'LT	863.09	–
273	142+92.92	38.66'RT	10+10.30	72.93'LT	863.13	–
274	143+37.57	34.61'RT	10+04.67	114.33'LT	862.79	–

POINT NO.	MAINLINE		COTTAGE GROVE RD		ELEV	DESCRIPTION
	STATION	OFFSET	STATION	OFFSET		
501	138+18.94	51.50'RT	–	–	–	R= 24.00'
502	138+88.25	0.00'LT	–	–	864.57	CENTERLINE
503	138+99.17	51.54'RT	–	–	–	R= 24.00'
504	140+07.36	38.68'LT	–	–	863.14	–
506	140+21.06	35.55'LT	–	–	863.09	BACK OF SIDEWALK
507	140+30.70	37.75'LT	–	–	863.45	–
508	140+55.45	37.75'LT	–	–	862.54	–
509	140+67.17	37.75'LT	–	–	862.14	–
511	141+15.11	36.25'LT	–	–	861.64	EDGE OF SIDEWALK
512	141+44.82	36.25'LT	–	–	860.86	EDGE OF SIDEWALK
513	141+66.83	5.44'RT	–	–	860.59	R= 4.44'
514	141+35.86	47.20'RT	10+60.96	74.10'RT	860.51	–
516	141+35.47	64.85'RT	10+77.86	69.00'RT	860.48	–
517	141+40.41	63.55'RT	10+75.31	65.29'RT	860.22	R= 4.50'
518	141+38.87	67.84'RT	10+79.81	65.28'RT	862.98	–
519	141+44.97	70.40'RT	–	–	862.71	R= 32.00'
521	141+62.73	74.09'RT	10+79.73	42.77'RT	863.09	–
522	141+42.12	135.63'RT	11+43.73	42.55'RT	961.09	–
523	141+23.04	130.59'RT	11+43.78	58.84'RT	861.11	–
524	141+21.07	131.83'RT	11+45.59	60.30'RT	861.11	–
526	141+22.56	132.01'RT	11+45.28	58.84'RT	–	R= 1.50'
527	141+28.76	143.99'RT	11+54.64	49.12'RT	861.00	–
528	141+42.42	147.09'RT	11+54.60	38.95'RT	860.75	–
529	141+95.25	116.37'RT	11+11.60	0.00'RT	861.29	CENTERLINE
531	142+21.18	168.74'RT	11+54.97	39.16'LT	860.60	EDGE OF SIDEWALK
532	142+38.18	107.61'RT	10+91.52	38.94'LT	860.97	EDGE OF SIDEWALK
533	142+84.72	80.49'RT	–	–	–	R= 42.00'
534	142+35.79	52.50'LT	–	–	–	R= 25.00'
536	142+97.71	30.08'LT	–	–	–	R= 2.00'
537	143+48.46	72.50'LT	–	–	–	R= 45.00'
538	141+33.70	133.17'RT	11+43.25	49.16'RT	–	R= 11.39'
539	141+46.28	1.50'RT	–	–	863.74	–
541	141+46.19	9.41'RT	–	–	863.68	–
542	141+35.72	38.20'RT	–	–	863.51	–
543	141+55.36	9.43'RT	–	–	863.61	–
544	141+55.31	1.50'RT	–	–	863.69	–
546	142+25.85	27.50'LT	–	–	862.76	–
547	142+34.90	27.50'LT	–	–	862.75	–
548	142+59.81	45.47'LT	–	–	862.50	–
549	142+62.72	54.04'LT	–	–	862.52	–
551	143+10.73	37.30'RT	–	–	862.40	–
552	143+32.25	30.92'LT	–	–	862.81	–
553	143+18.03	40.30'LT	–	–	862.79	–
554	143+67.49	34.61'RT	–	–	862.99	EDGE OF SIDEWALK
556	143+67.49	42.70'RT	–	–	863.15	EDGE OF SIDEWALK
557	143+77.49	34.61'RT	–	–	863.07	EDGE OF SIDEWALK
558	143+77.49	42.70'RT	–	–	863.23	EDGE OF SIDEWALK
559	141+68.00	96.93'RT	11+09.58	31.50'RT	861.89	EDGE OF SIDEWALK
561	141+65.29	106.55'RT	11+19.58	31.50'RT	861.72	EDGE OF SIDEWALK

LEGEND:
- Ⓐ CONCRETE CURB & GUTTER 18-INCH TYPE D
- Ⓑ CONCRETE CURB & GUTTER 30-INCH TYPE D
- Ⓒ CONCRETE CURB TYPE J
- Ⓓ CONCRETE MEDIAN SLOPED NOSE TYPE 1
- Ⓔ CONCRETE MEDIAN BLUNT NOSE
- CURB RAMP TYPE "X"
- CAST IRON TRUNCATED DOMES YELLOW
- STAMPED COLORED CONCRETE SIDEWALK 5-INCH



POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV	DESCRIPTION
276	146+41.06	23.50'LT	864.29	–
277	145+54.32	34.61'RT	863.60	–
278	146+84.81	23.50'RT	864.77	EDGE OF SIDEWALK
279	144+33.59	42.11'RT	863.23	–
281	144+64.06	34.61'RT	863.14	–
282	144+64.06	37.11'RT	–	R= 2.50'
283	144+66.56	37.07'RT	863.09	–
284	144+66.85	52.00'RT	862.97	MATCH EXISTING
286	144+98.23	52.00'RT	863.01	MATCH EXISTING
287	144+98.01	37.11'RT	863.13	–
288	145+00.51	37.11'RT	–	R= 2.50'
289	145+00.51	34.61'RT	863.37	–
291	145+54.50	42.11'RT	863.82	EDGE OF SIDEWALK
292	145+65.58	23.50'LT	864.07	EDGE OF SIDEWALK
293	145+65.58	32.51'LT	863.89	–
294	146+67.12	32.65'RT	864.71	EDGE OF SIDEWALK
295	146+76.98	32.50'LT	864.74	EDGE OF SIDEWALK
296	146+84.33	0.00'LT	864.48	CENTERLINE
297	147+50.57	25.17'LT	864.87	MATCH EXISTING
298	147+05.29	31.95'RT	864.80	EDGE OF SIDEWALK
299	147+50.70	23.00'LT	864.52	MATCH EXISTING

NOTE:
CURB ELEVATIONS ARE AT TOP OF CURB

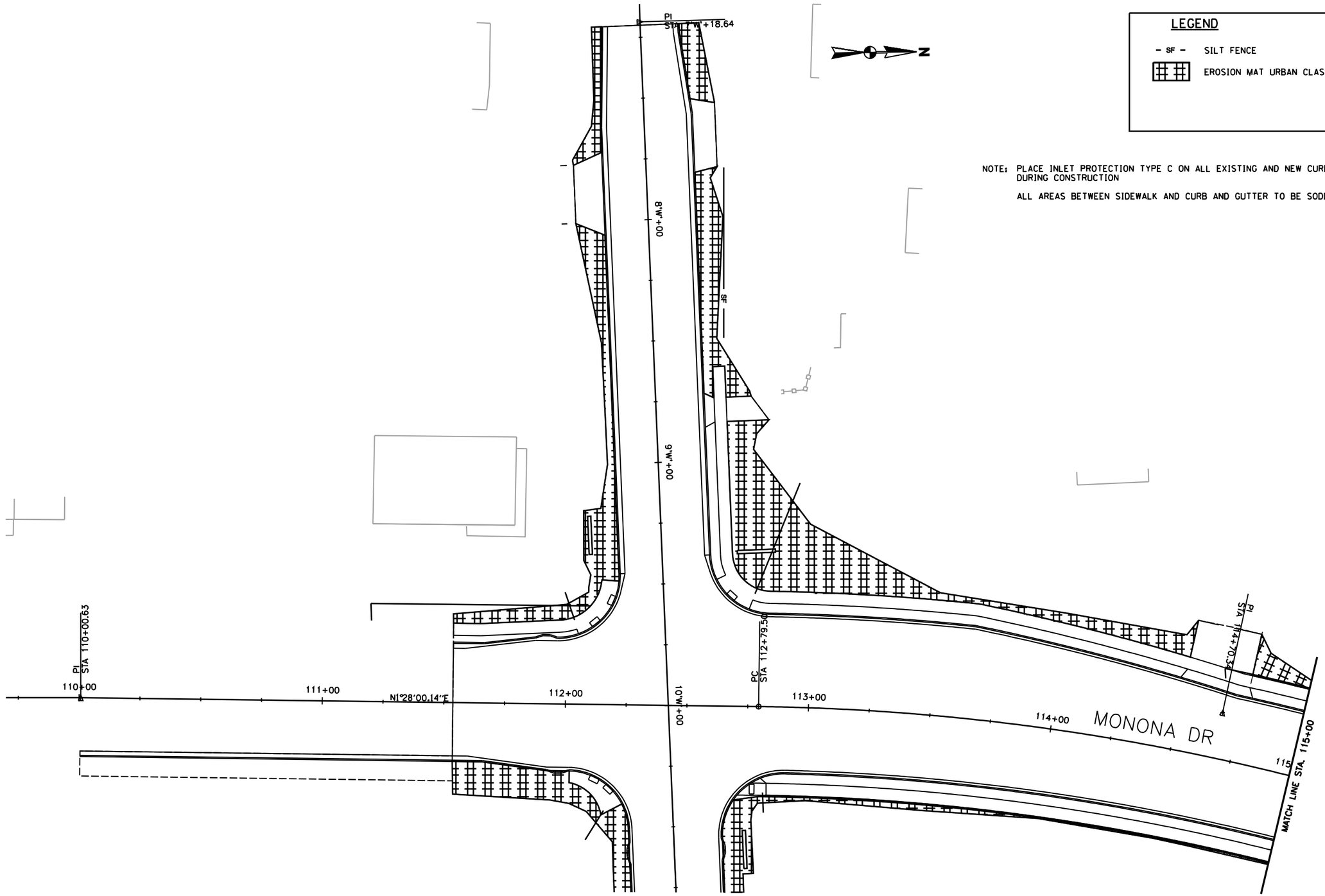
CURB RADII ARE SHOWN TO BACK OF CURB

CURB & GUTTER LAYOUT STATIONS AND OFFSETS ARE TO BACK OF CURB

SEE CROSS SECTIONS FOR DRIVEWAY MATCH IN POINTS

ALL MATCH IN POINTS AT DRIVEWAYS AND PARKING LOTS SHALL BE DELINEATED WITH A SAWCUT

DRIVEWAYS BEHIND SIDEWALK TO BE REPLACED IN KIND



LEGEND

- SF - SILT FENCE

EROSION MAT URBAN CLASS 1 TYPE A

NOTE: PLACE INLET PROTECTION TYPE C ON ALL EXISTING AND NEW CURB INLETS DURING CONSTRUCTION

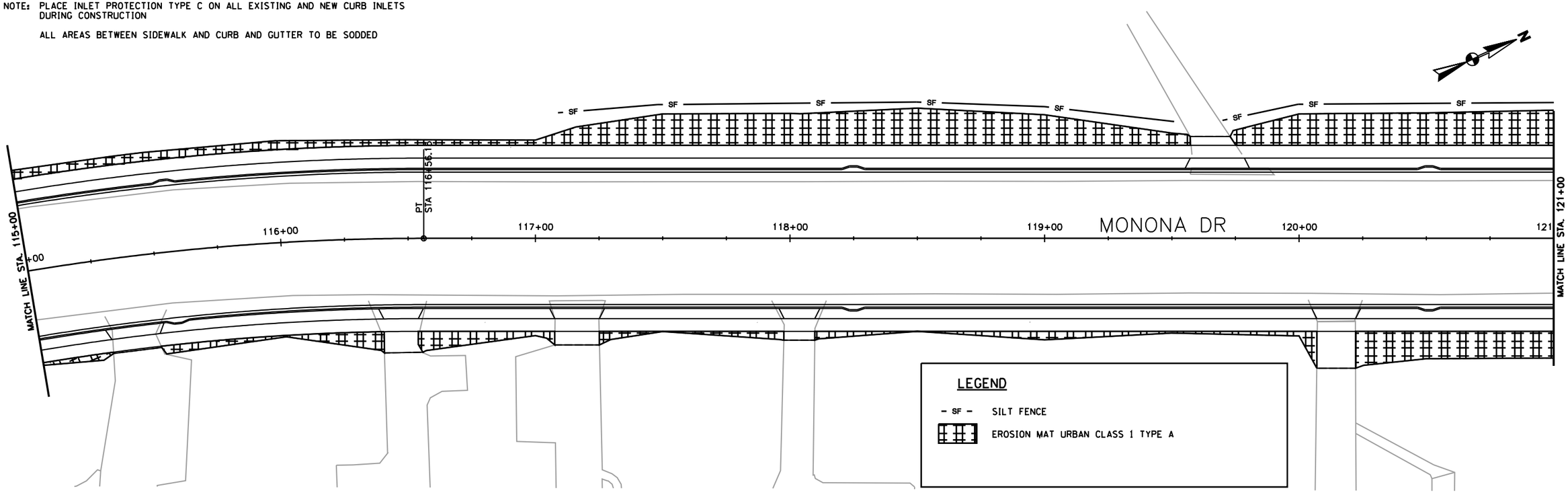
ALL AREAS BETWEEN SIDEWALK AND CURB AND GUTTER TO BE SODDED

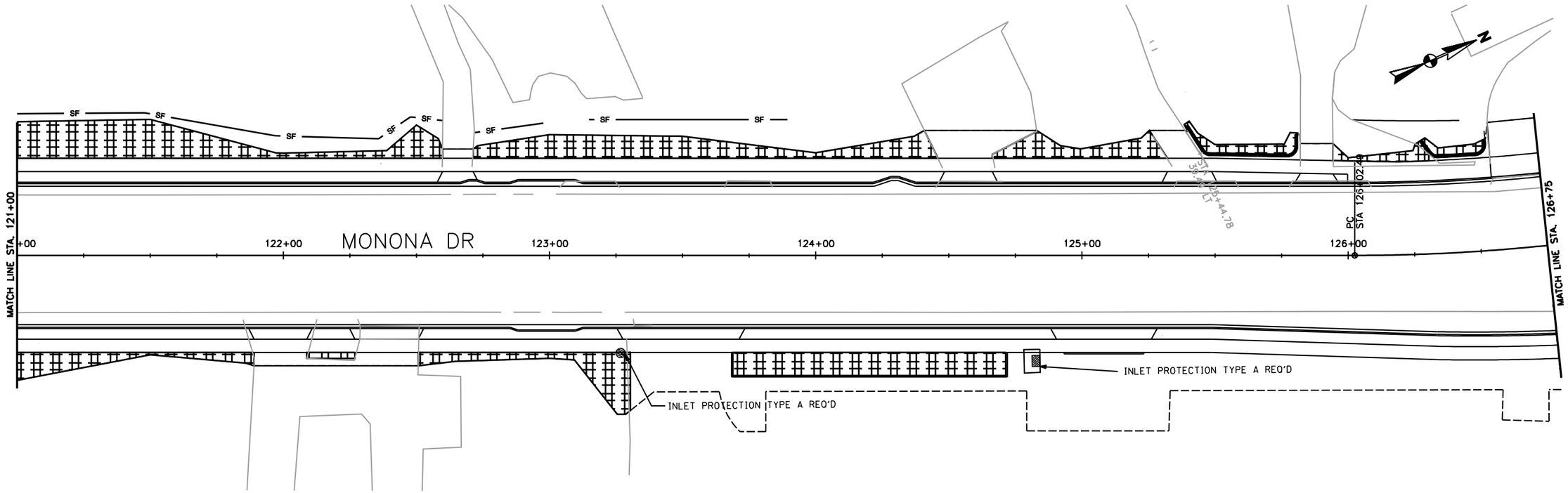
2

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 45	E

NOTE: PLACE INLET PROTECTION TYPE C ON ALL EXISTING AND NEW CURB INLETS DURING CONSTRUCTION

ALL AREAS BETWEEN SIDEWALK AND CURB AND GUTTER TO BE SODDED



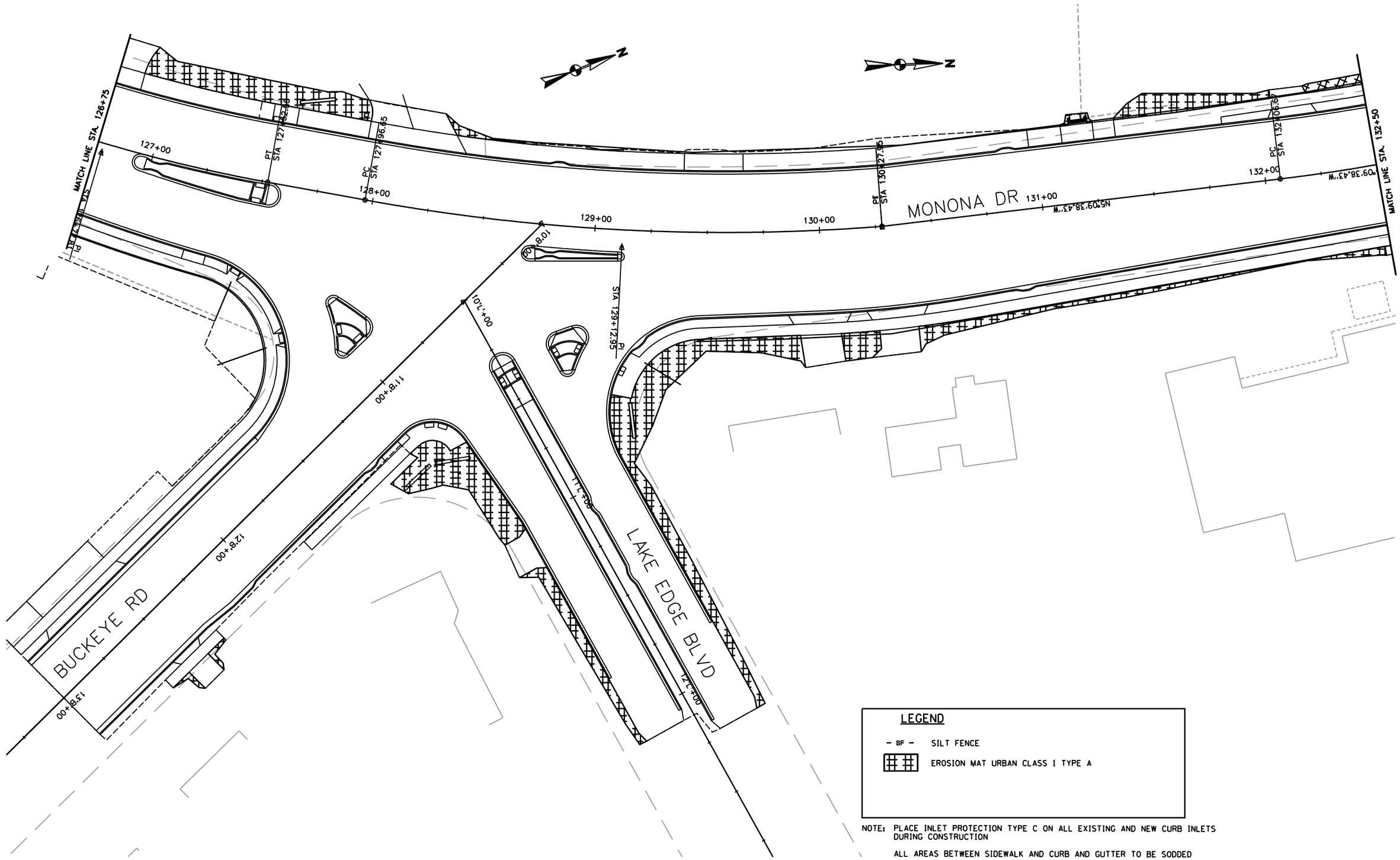


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 46	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\EROSIONC01_2-2.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:01:14 PM

WISDOT/CADDS SHEET 30

2



LEGEND

- SF - SILT FENCE

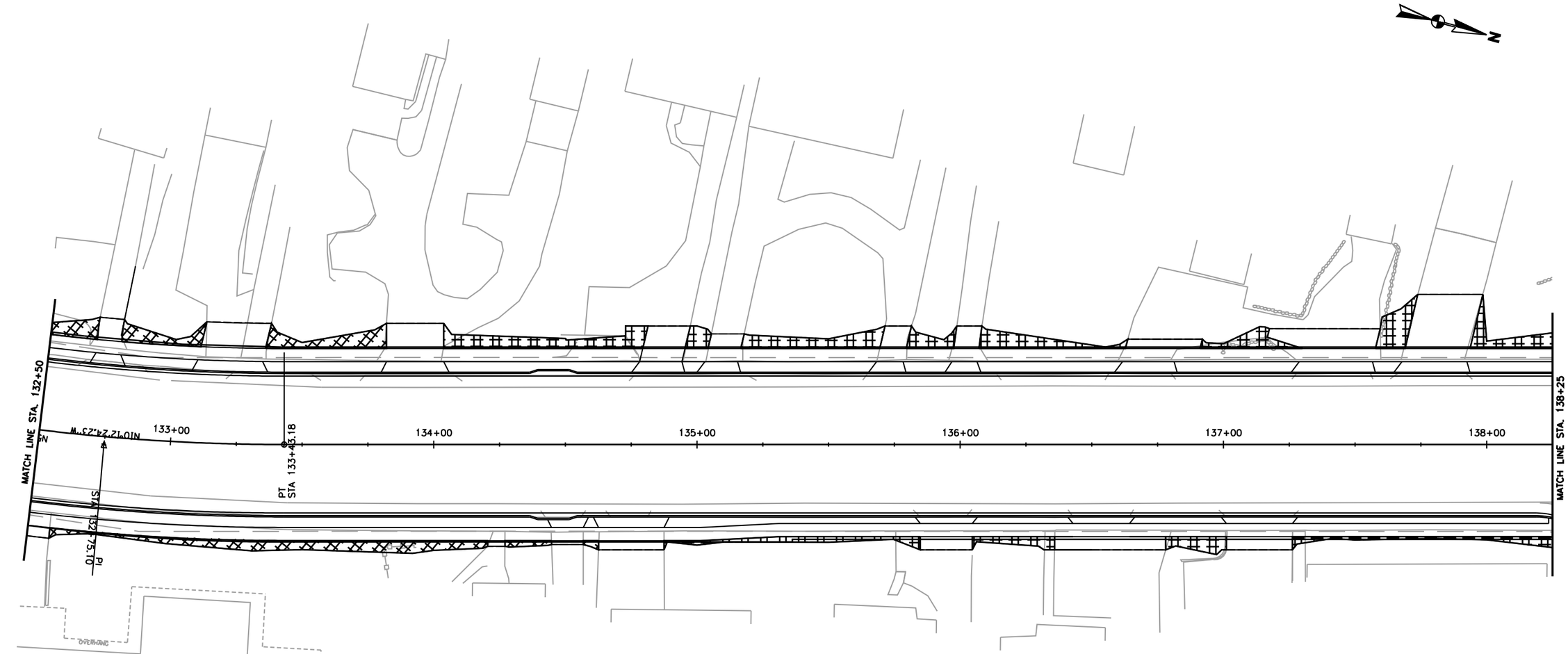
EROSION MAT URBAN CLASS I TYPE A

NOTE: PLACE INLET PROTECTION TYPE C ON ALL EXISTING AND NEW CURB INLETS DURING CONSTRUCTION

ALL AREAS BETWEEN SIDEWALK AND CURB AND GUTTER TO BE SODDED

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 47	E

2



LEGEND

SILT FENCE

EROSION MAT URBAN CLASS I TYPE A

NOTE: PLACE INLET PROTECTION TYPE C ON ALL EXISTING AND NEW CURB INLETS DURING CONSTRUCTION

ALL AREAS BETWEEN SIDEWALK AND CURB AND GUTTER TO BE SODDED

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 48	E

2

2

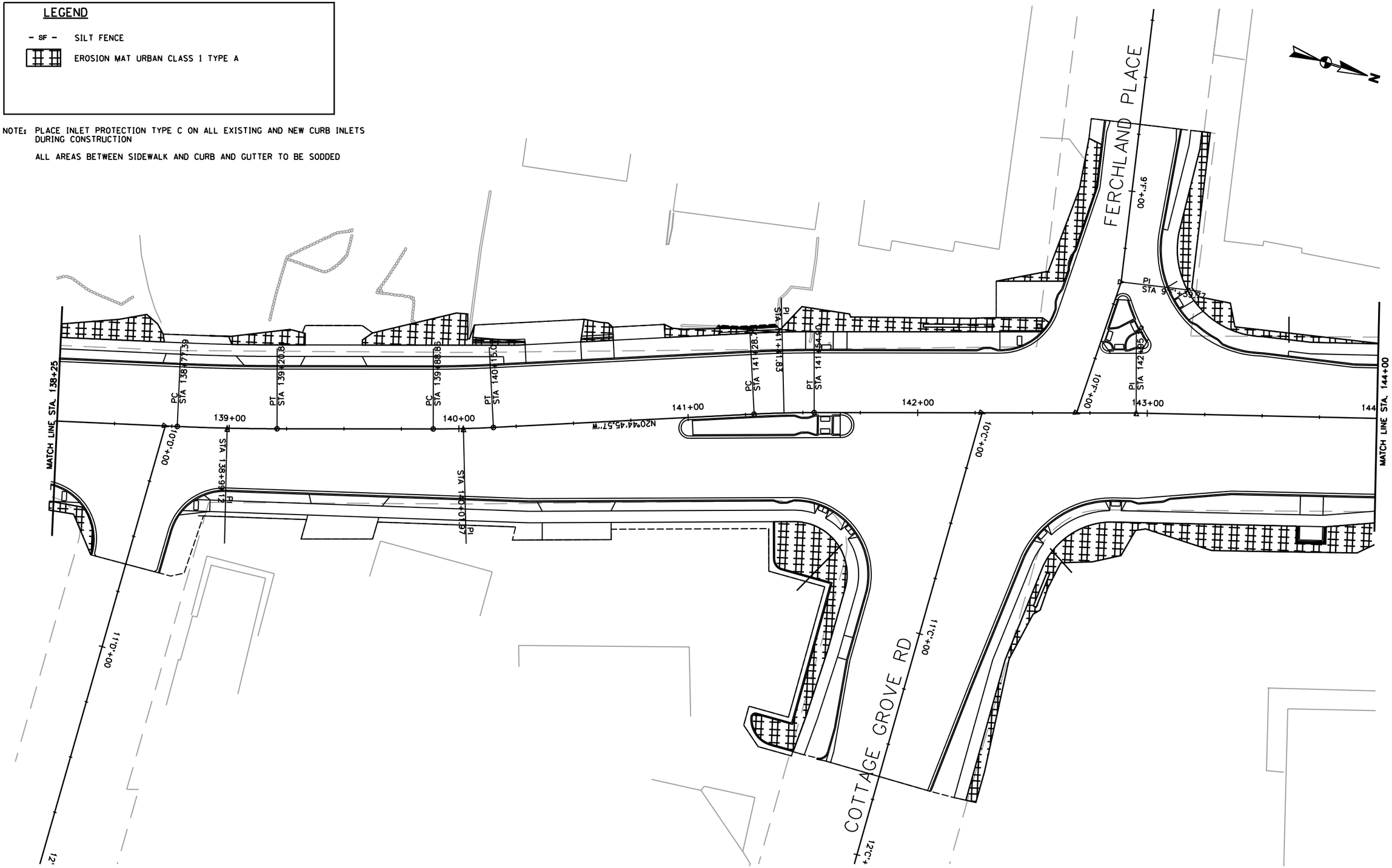
LEGEND

- SF - SILT FENCE

EROSION MAT URBAN CLASS I TYPE A

NOTE: PLACE INLET PROTECTION TYPE C ON ALL EXISTING AND NEW CURB INLETS DURING CONSTRUCTION

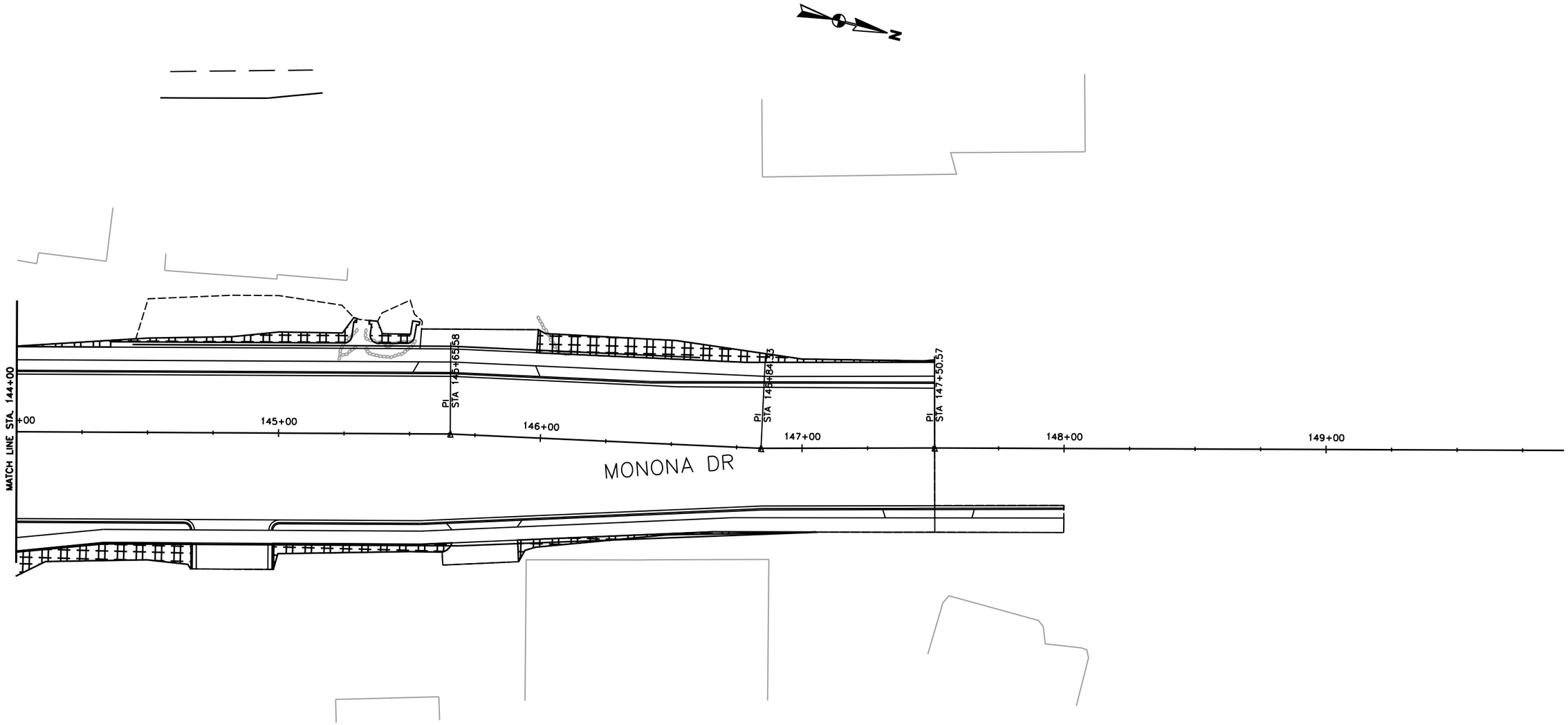
ALL AREAS BETWEEN SIDEWALK AND CURB AND GUTTER TO BE SODDED



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 49	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\EROSIONC01_2-5.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:01:24 PM WISDOT/CADDS SHEET 30

2



LEGEND

- SF - SILT FENCE

EROSION MAT URBAN CLASS 1 TYPE A

NOTE: PLACE INLET PROTECTION TYPE C ON ALL EXISTING AND NEW CURB INLETS DURING CONSTRUCTION

ALL AREAS BETWEEN SIDEWALK AND CURB AND GUTTER TO BE SODDED

2

STA 112+20.81, 63.92 LT
3 H-S INLET
STA 112+21.94
REMOVE EXISTING INLET
STA 112+25.86, 27.50 LT
60 J MANHOLE
STA 112+24.98
REMOVE EXISTING MANHOLE
STA 111+91.89, 27.50 LT
60 H MANHOLE
STA 111+85.12
REMOVE EXISTING INLET
STA 111+62
CONNECT TO EXISTING PIPE
CONCRETE COLLAR REQ'D
STA 112+58.76, 65.99 LT
3 H-S INLET
STA 113'M'+48.64
REMOVE EXISTING INLET
STA 113+67.56, 33.47 LT
60 J MANHOLE
REMOVE STORM SEWER
30-INCH RCCP
STA 111+97.15, 28.50 RT
3 H INLET
STA 112+22.65
REMOVE EXISTING INLET
STA 112'M'+25.77, 27.00 RT
1 J MANHOLE
STA 112+26.12, 60.97 RT
3 H-S INLET
STA 112+66.56, 58.77 RT
3 H-S INLET
PI STA 110+00.63
PC STA 112+19.59
PI STA 114+70.53
33'
CAUTION
110+00
111+00
112+00
113+00
114+00
115+00
10'W
MONONA DR
WINNEQUAH ROAD
MATCH LINE STA. 115+00
4204
4202

875.42
874.67
871.79
869.60
865.29
864.90
864.74
864.20
863.50
862.86
860.51
860.43
EXISTING GROUND
PROPOSED PROFILE
12" GAS
EXIST 8" WM (W SIDE OF MONONA)
EXIST 12" WM
EXIST 36" RCP FORCEMAIN
EXIST 30" SS
30" SSPRC @ 1.39%
30" SSPRC @ 1.93%
30" SSPRC @ 1.64%
30" SSPRC @ 1.51%

2.1 TOC=874.45
2.2 TOC=874.37
12" S.S.P.R.C. CL III, 34 LF @ 1.0%
IE=870.05 (N)
IE 869.93 (E)
IE=870.39 (S)

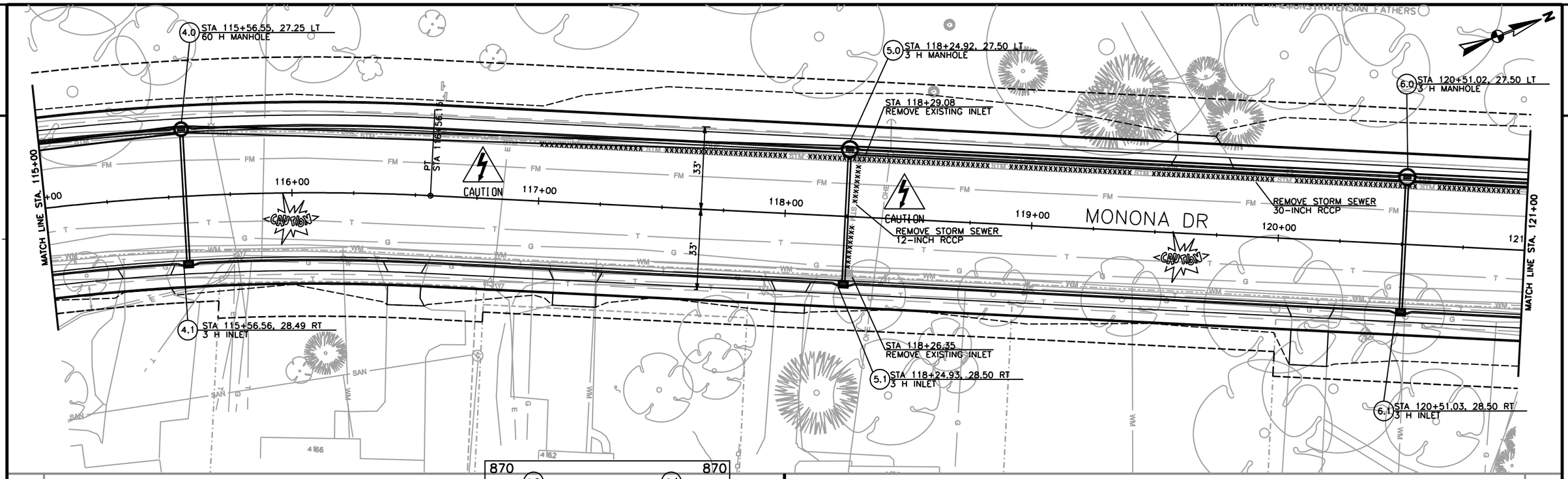
2.4 TOC=875.37
2.3 TOC=874.67
12" S.S.P.R.C. CL III, 26 LF @ 1.0%
IE=869.56 (N)
IE=869.30 (S)
IE=869.25 (E)
IE=864.01 (W)

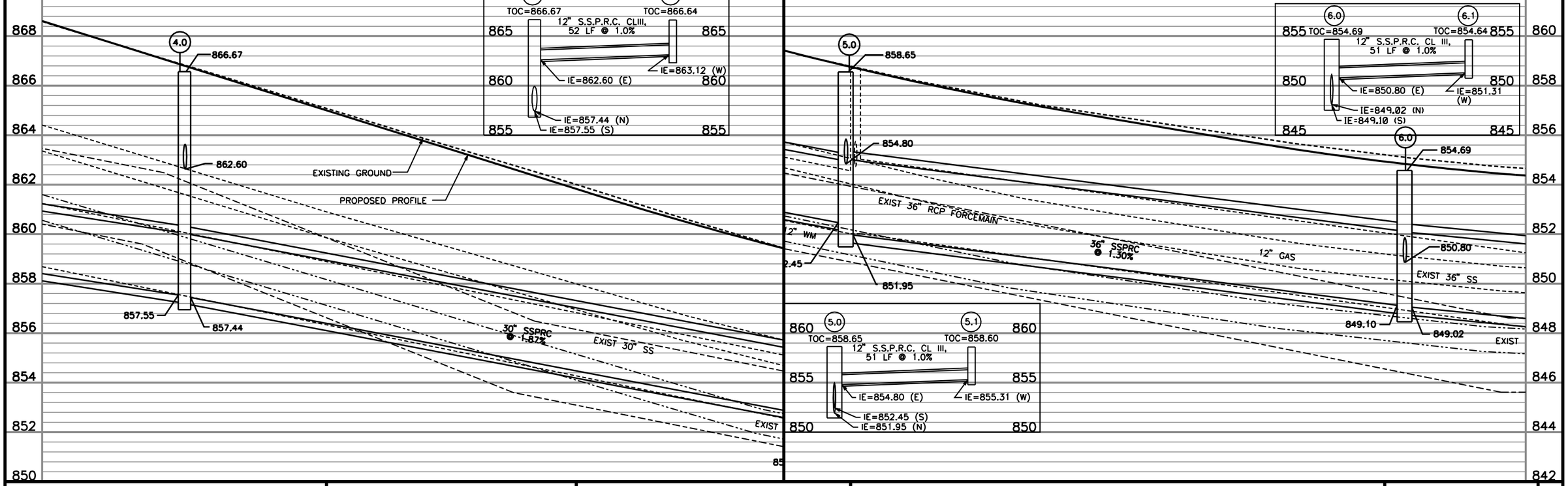
2.5 TOC=874.46
2.6 TOC=874.38
12" S.S.P.R.C. CL III, 37 LF @ 1.0%
IE=869.65 (N)
IE=869.55 (W)
IE=870.02 (S)

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

FILE NAME : x:\md\ie\2006\08m085\cad\plans\STORM01.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:01:30 PM PLOT BY : cas1

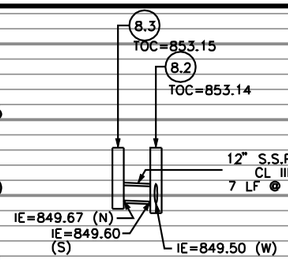
2

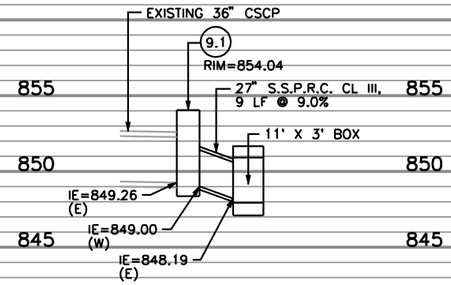


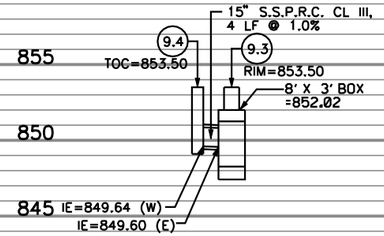


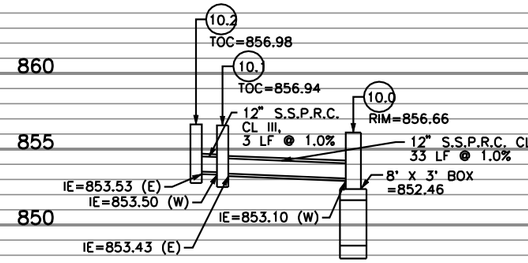
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

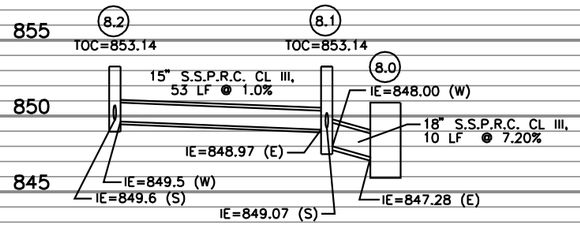
FILE NAME : x:\md\ie\2008\08m085\cad\plans\STORM02.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:01:34 PM PLOT BY : cas1







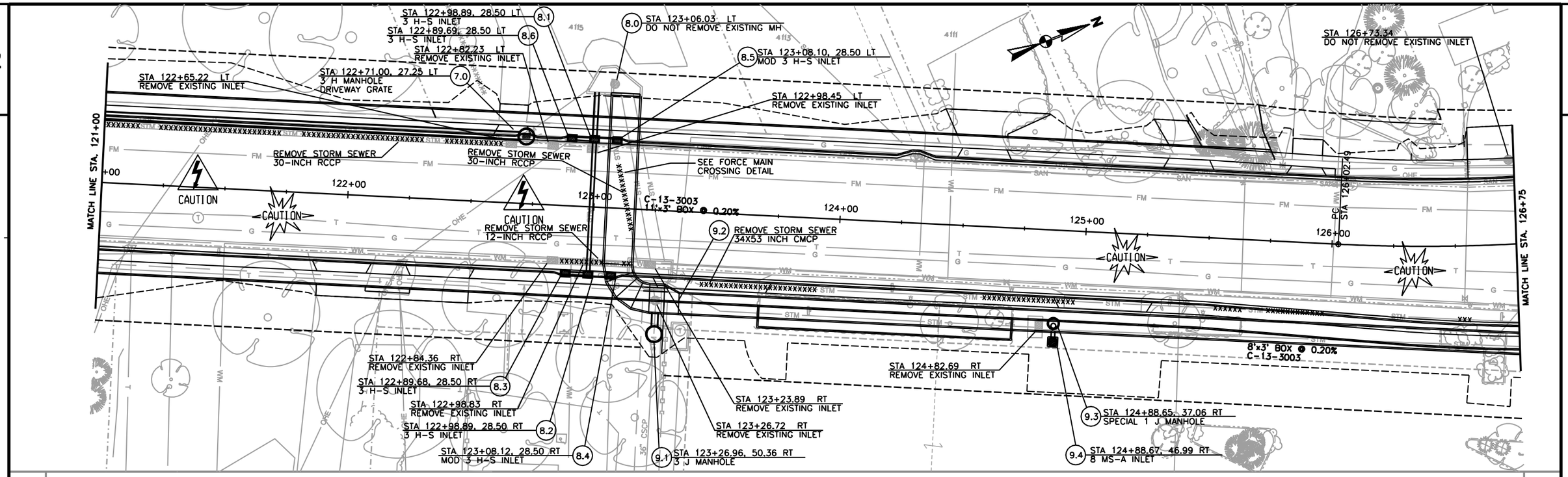




PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 53	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\STORM03.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:01:38 PM PLOT BY : cas1

WISDOT/CADDS SHEET 41



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET E

FILE NAME : x:\md\le\2008\08m085\cad\plans\STORM03.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:01:39 PM PLOT BY : cas1

WISDOT/CADDS SHEET 41

2

MATCH LINE STA. 126+75

MATCH LINE STA. 132+50

MONONA DR

BUCKEYE ROAD

13.0 STA 128+60.51, 4.50 RT
60 J MANHOLE

14.0 STA 128+81.96, 27.50 LT
60 H MANHOLE

13. STA 128+80.56, 12.50 RT
3 H INLET

13.1 STA 128+80.65, 13.67 RT
3 H INLET

STA 128+61.25 LT
REMOVE EXISTING
INLET

15.0 STA 129+80.37, 22.97 LT
1 J MANHOLE

16.0 STA 130+86.47, 27.39 LT
60 H MANHOLE

PT STA 127+55.36

PC STA 127+96.65

PT STA 130+27.55

POC STA 131+00.66

10.2 STA 127+02.33, 2.55 RT
3 H INLET

10. STA 127+02.21, 5.46 RT
3 H INLET

REMOVE STORM SEWER
24-INCH RCCP

REMOVE STORM SEWER
34X53 INCH CMCP

REMOVE STORM SEWER
24-INCH RCCP

B.01

STA 128+41.67,
73.89 RT
SPECIAL 1 J MANHOLE

STA 127+98.84, 48.21 RT
SPECIAL 1 J MANHOLE

STA 127+93.79, 63.45 RT
SPECIAL 1 J MANHOLE

STA 11'B'+20.21, 21.80 RT
1 J MANHOLE

STA 128+23.97 RT
REMOVE EXISTING MANHOLE

STA 11'B'+80.95 RT
REMOVE EXISTING
MANHOLE

REMOVE STORM SEWER
12-INCH RCCP

C-15-3003
8'x3' BOX
@ 0.20%

CAUTION

12" CORRUGATED HDPE
PLUG PIPE
FUTURE CONNECTION BEFORE OTHERS

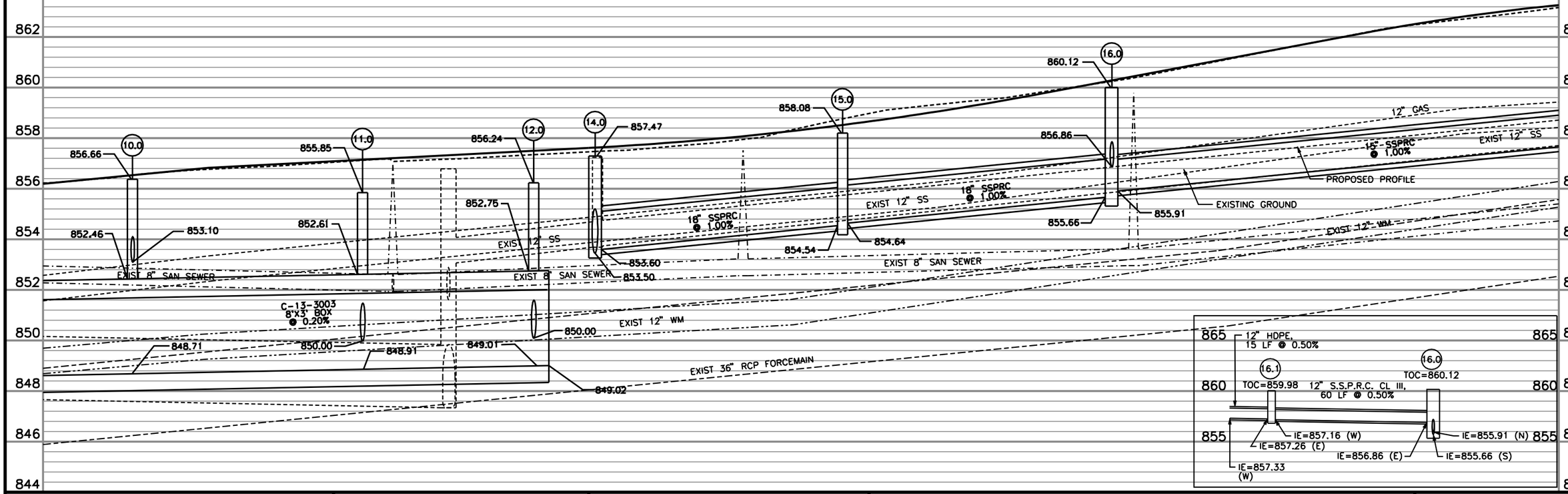
16. STA 130+88.44, 36.14 RT
3 H INLET

13.3 STA 129+22.66, 51.11 RT
3 H INLET

4040

4044

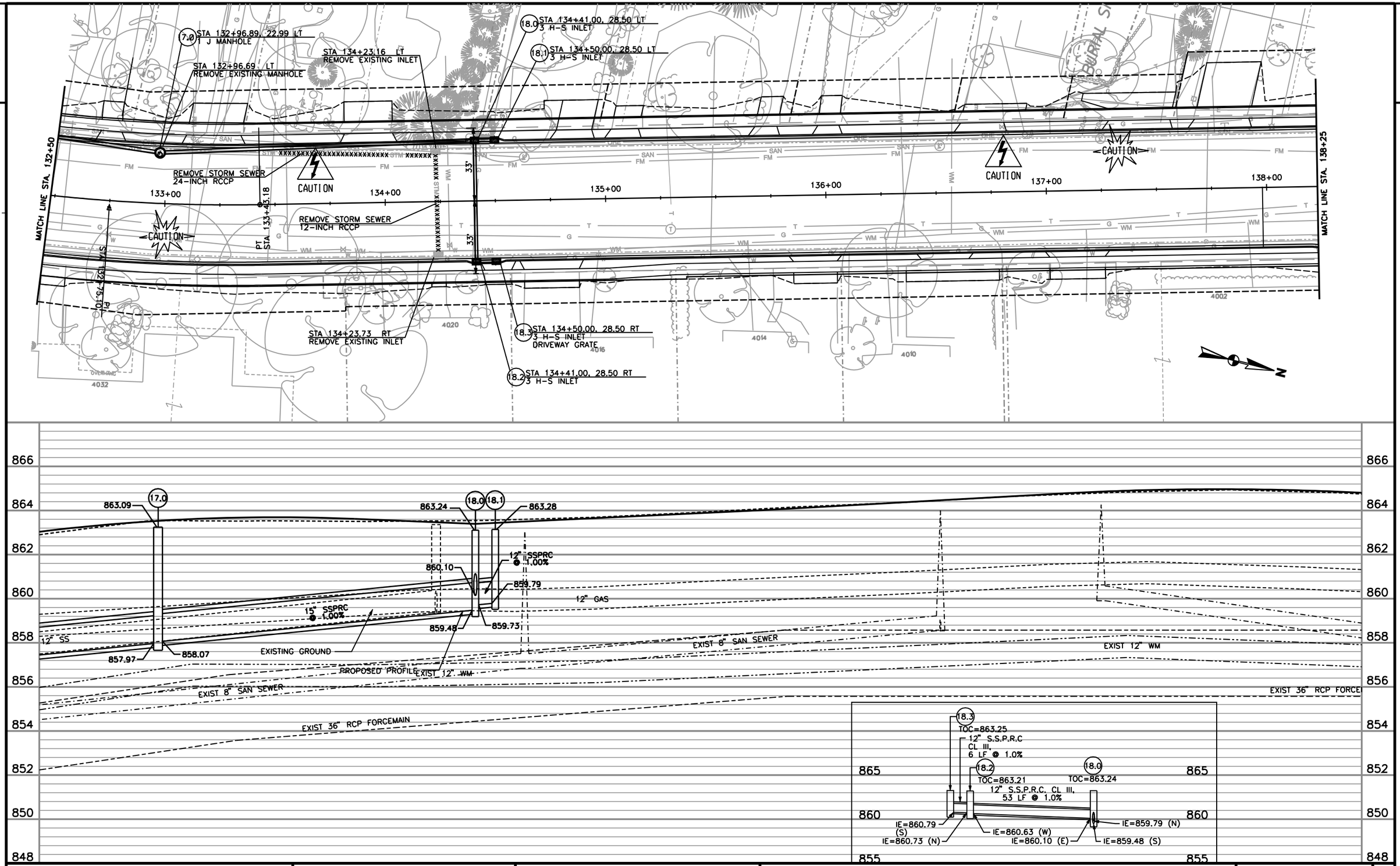
CHURCH



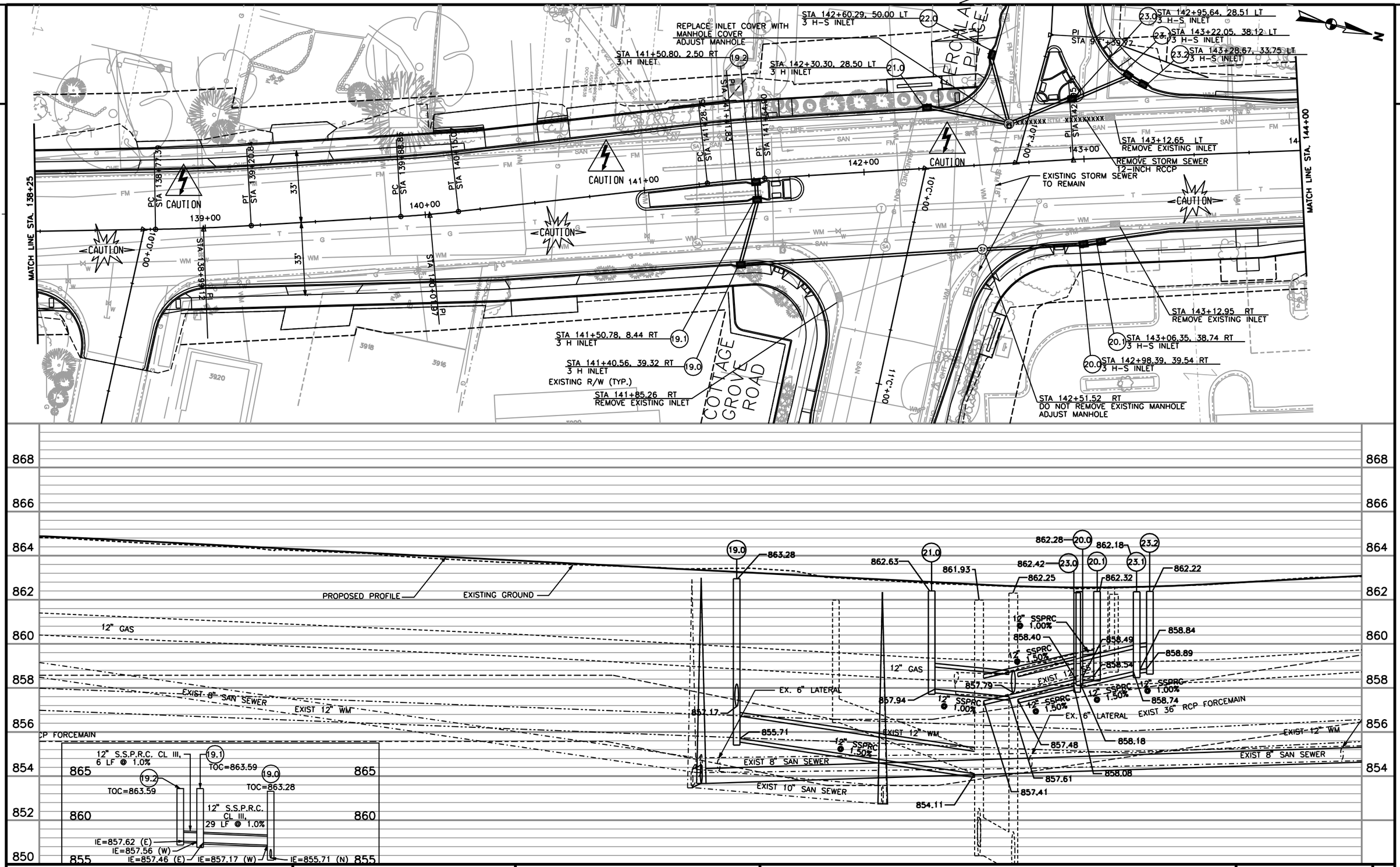
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\STORM04.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:04:44 AM PLOT BY : cas1

WISDOT/CADDS SHEET 41



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET E



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 57 E

FILE NAME : x:\md\le\2006\08m085\cad\plans\STORM06.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:01:53 PM PLOT BY : cas1

WISDOT/CADDS SHEET 41

2

CITY OF MONONA

POB STA 6'W'+43.64

STA 7'W'+18.64

WINNEQUAH RD

6'W'+44

7'W'+00

8'W'+00

9'W'+00

10'W'+00

11'W'+00

11'W'+99

POF STA 11'W'+98.73

CAUTION

STA 113+48.64 LT
REMOVE EXISTING INLET

SLOPE INTERCEPTS (TYP.)

CITY OF MONONA

STA 112+58.76, 65.99 LT
3 H-S INLET
2.2

MONONA DR

PC STA 112+79.56

113+00

CITY OF MADISON

CAUTION

2,6 STA 112+66.56, 58.77 RT
3 H-S INLET

N

STA 112+20.81, 63.92 LT
3 H-S INLET
2.1

STA 112+21.94 LT
REMOVE EXISTING INLET

STA 112+24.98, 26.72 LT
REMOVE EXISTING MANHOLE

STA 112+23.80, 27.60 LT
60S J MANHOLE
2.0

STA 111+91.89, 27.50 LT
60S H MANHOLE
1.0

STA 111+85.12 LT
REMOVE EXISTING INLET

CHARTER COMMUNICATIONS

MG&E

PROPOSED R/W (TYP.)

MADISON METRO SEWERAGE DISTRICT

112+00

STA 112+22.65 RT
REMOVE EXISTING INLET

2.5 STA 112+26.12, 60.97 RT
3 H INLET

2.3 STA 112+25.77, 27.00 RT
1 J MANHOLE

MG&E

AT&T

2.4 STA 111+97.15, 28.50 RT
3 H INLET

PROPOSED PROFILE

EXISTING GROUND

874.45

874.67

874.67

874.46

SAN MH 6349-008
RIM=874.26
I.E. N=868.71
I.E. S=868.75 (TAP)

12" GAS

PLUG ABANDONED PIPE

ABANDONED 8"

12" SSPRC @ 1.00%

870.05

869.93

869.60

869.30

869.55

869.25

869.65

12" W

EXIST 8" WM

RECONNECT EXISTING PIPES FROM THE SOUTH AND NORTH TO NEW MH

36" FM

EXIST 8" WM

EXIST 8" SAN SEWER

864.20

863.50

862.86

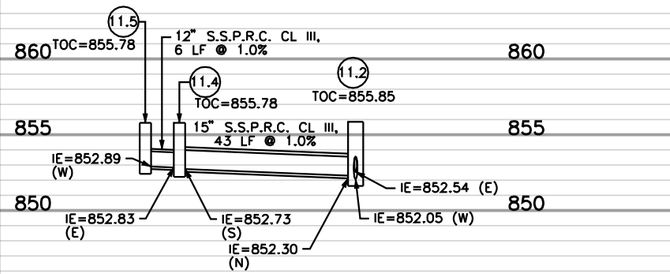
864.01

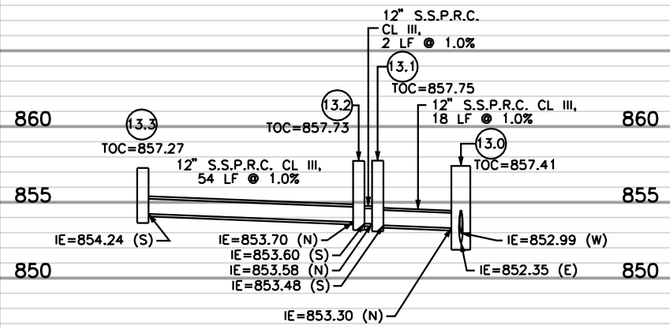
878
876
874
872
870
868
866
864
862
860

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\STORM07 Winnequah.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:01:58 PM PLOT BY : cas1

WISDOT/CADDS SHEET 41

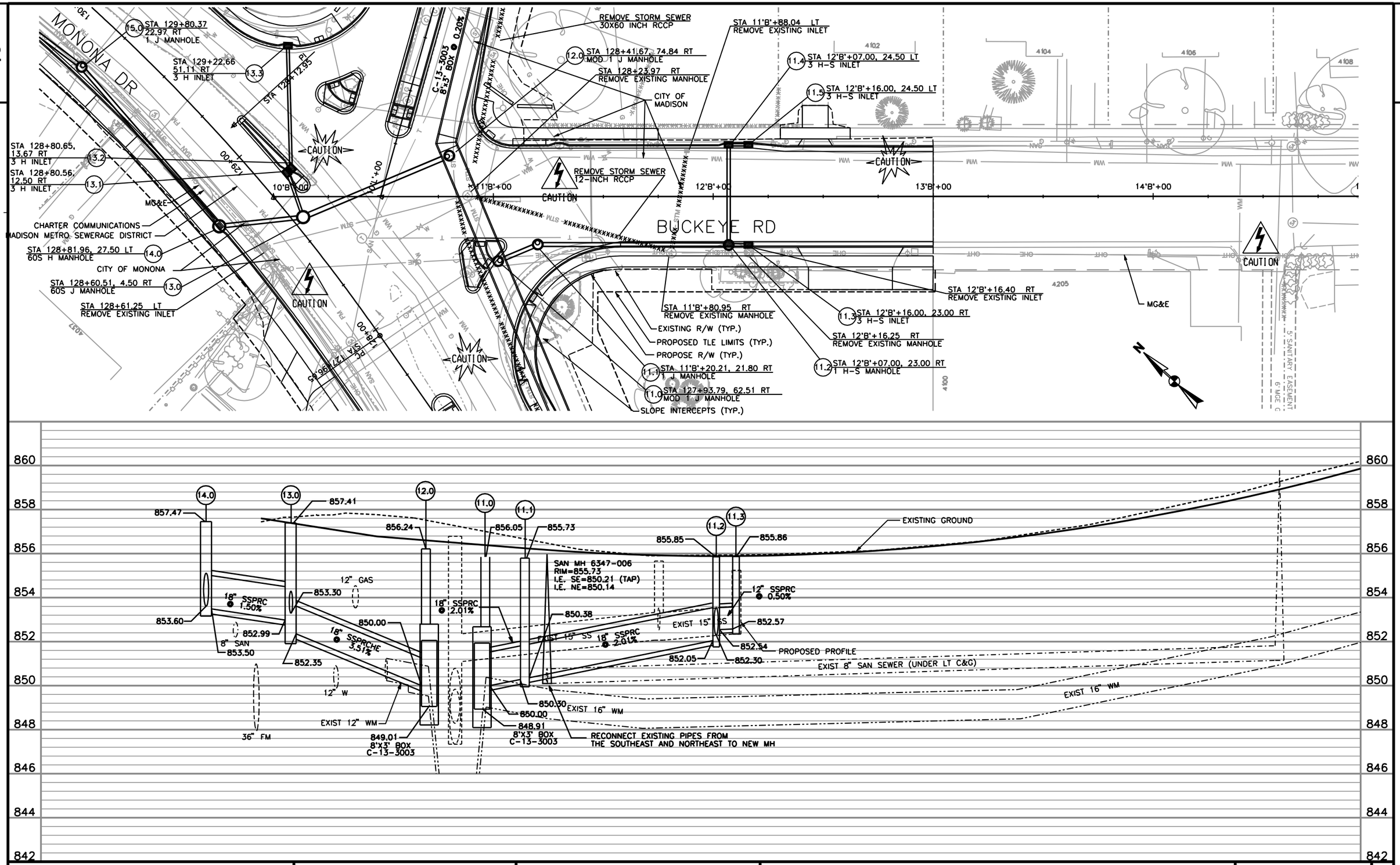




PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 59	E

FILE NAME : x:\md\le\2006\08m085\cad\plans\STORM08 Buckeye.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:02:02 PM PLOT BY : cas1

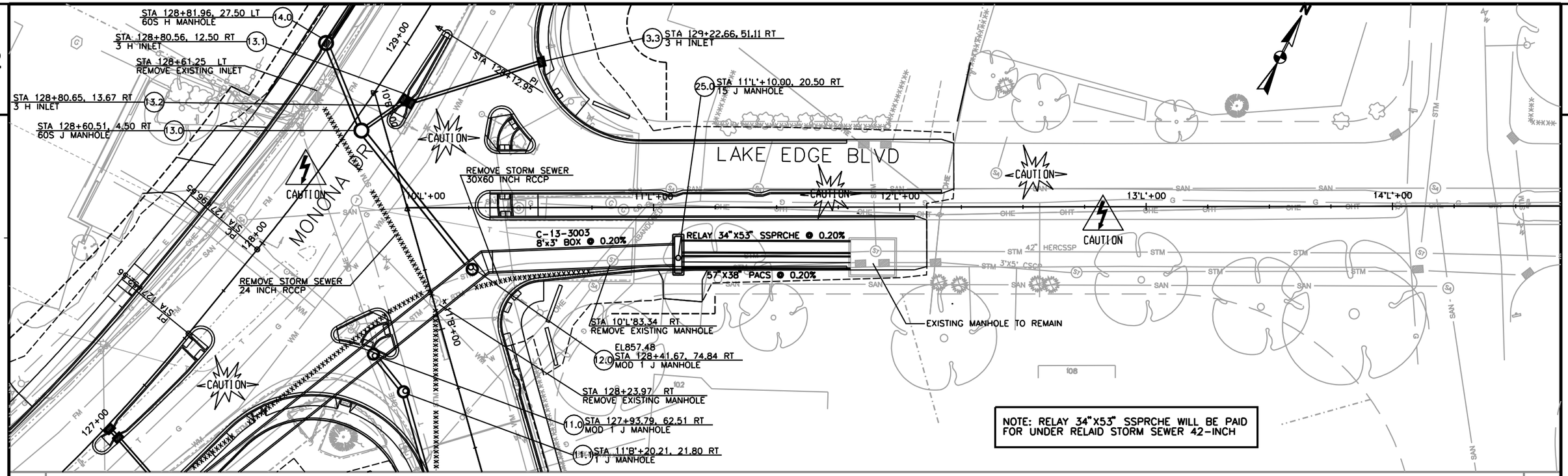
2

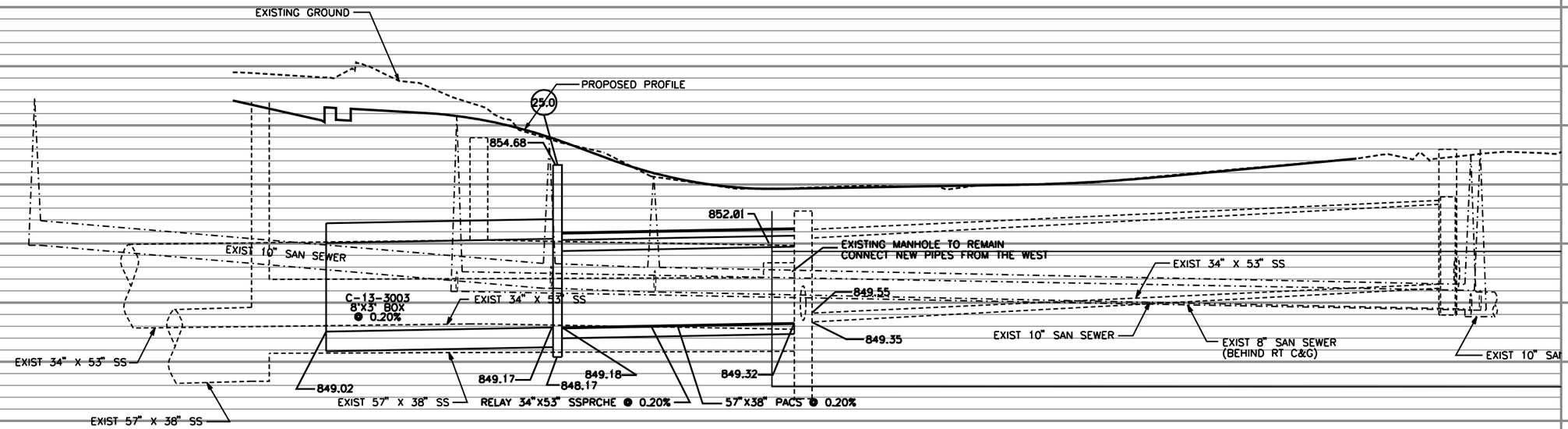


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\STORM08 Buckeye.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:05:18 AM PLOT BY : cas1

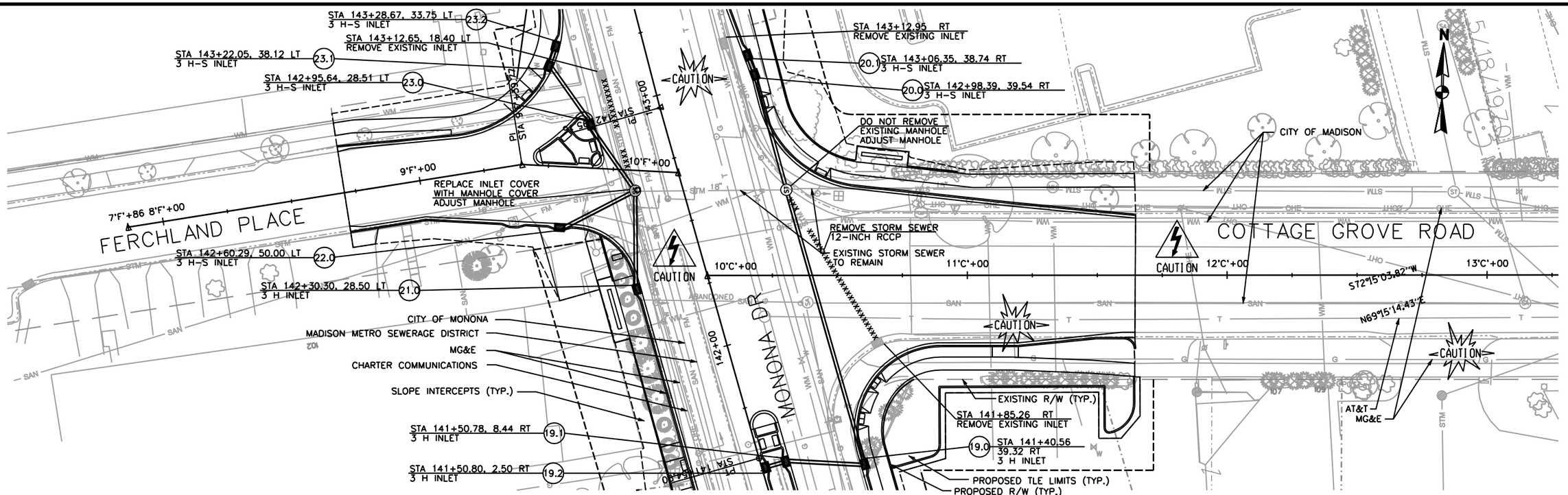
WISDOT/CADDS SHEET 41

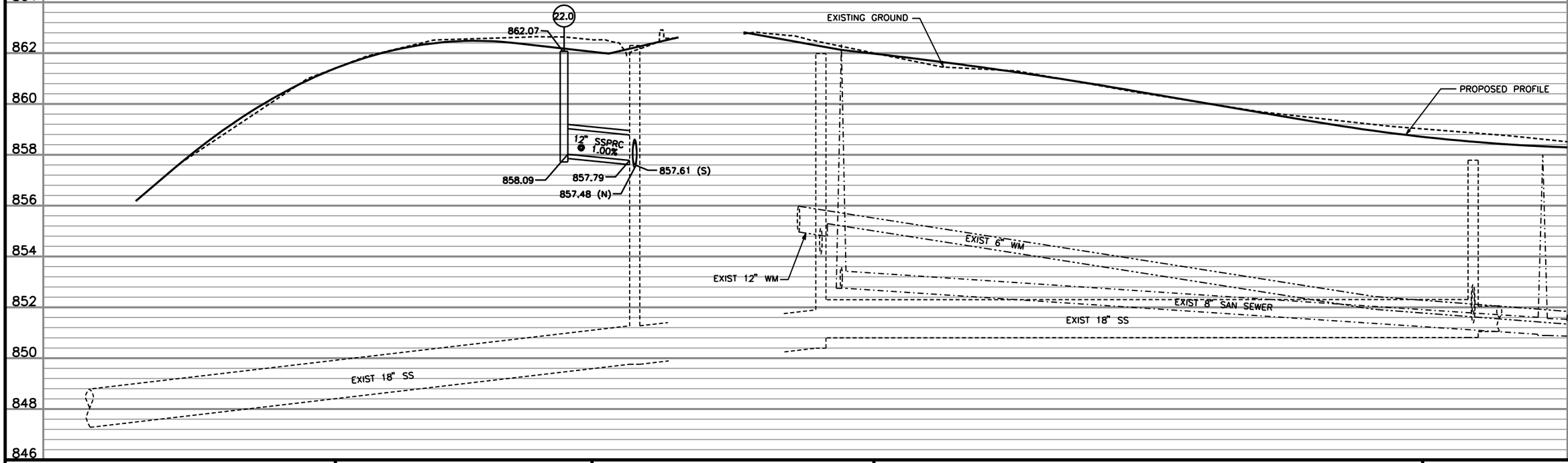




PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\STORM09 Lake Edge.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:05:44 AM PLOT BY : cas1





PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET E

FILE NAME : x:\md\le\2006\08m085\cad\plans\STROM10 Cottage.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:02:12 PM PLOT BY : cas1

STORM SEWER MANHOLES, CATCH BASINS, AND INLETS

STRUCTURE I.D.	STATION	OFFSET	COVER TYPE	STRUCTURE TYPE	TOP OF CURB/RIM ELEV.	TOP OF STRUCTURE ELEV.	OUTLET INVERT ELEV.	DEPTH OF STRUCTURE
STORM SEWER SHEET 1								
1.0	111+91.89	27.5 LT	INLET COVER TYPE H	MANHOLE TYPE 60	875.42	874.17	864.74	9.72
2.0	112+23.80	27.6 LT	MANHOLE COVER TYPE J	MANHOLE TYPE 60	874.67	873.59	862.86	11.02
3.0	113+67.56	33.47 LT	MANHOLE COVER TYPE J	MANHOLE TYPE 60	871.79	870.71	860.43	10.57
STORM SEWER SHEET 2								
4.0	115+56.55	27.25 LT	INLET COVER TYPE H	MANHOLE TYPE 60	866.67	865.42	857.44	8.27
4.1	115+56.56	28.49 RT	INLET COVER TYPE H	INLET TYPE 3	866.64	865.39	863.12	2.44
5.0	118+24.92	27.50 LT	INLET COVER TYPE H	MANHOLE TYPE 3	858.65	857.40	851.95	5.78
5.1	118+24.93	28.50 RT	INLET COVER TYPE H	INLET TYPE 3	858.60	857.35	855.31	2.21
6.0	120+51.02	27.50 LT	INLET COVER TYPE H	MANHOLE TYPE 3	854.69	853.44	849.02	4.75
6.1	120+51.03	28.50 RT	INLET COVER TYPE H	INLET TYPE 3	854.64	853.39	851.31	2.25
STORM SEWER SHEET 3								
7.0	122+71.00	27.25 LT	INLET COVER TYPE H	MANHOLE TYPE 3	853.23	851.98	846.84	5.47
8.1	122+98.90	28.50 LT	INLET COVER TYPE H-S	INLET TYPE 3	853.14	851.89	848.00	4.10
8.2	122+98.89	28.50 RT	INLET COVER TYPE H-S	INLET TYPE 3	853.14	851.89	849.50	2.58
8.3	122+89.68	28.50 RT	INLET COVER TYPE H-S	INLET TYPE 3	853.15	851.90	849.67	2.40
8.4	123+08.12	28.50 RT	INLET COVER TYPE H-S	INLET TYPE 3 MODIFIED	853.14	851.89	851.67	0.39
8.5	123+08.10	28.50 LT	INLET COVER TYPE H-S	INLET TYPE 3 MODIFIED	853.14	851.89	851.54	0.52
8.6	122+89.69	28.50 LT	INLET COVER TYPE H-S	INLET TYPE 3	853.15	851.90	849.14	2.93
9.1	123+26.96	50.36 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 3	854.04	852.96	849.00	4.23
9.3	124+88.65	37.06 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 1 MODIFIED	853.50	852.42	852.02	1.14
9.4	124+88.67	46.99 RT	INLET COVER TYPE MS-A	INLET TYPE 8	853.50	852.25	849.64	2.80
STORM SEWER SHEET 4								
10.0	126+98.84	42.21 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 1 MODIFIED	856.66	855.58	852.46	3.86
10.1	127+02.21	5.46 RT	INLET COVER TYPE H	INLET TYPE 3	856.94	855.69	853.43	2.43
10.2	127+02.33	2.55 RT	INLET COVER TYPE H	INLET TYPE 3	856.98	855.73	853.53	2.37
11.0	127+93.79	62.51 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 1 MODIFIED	855.85	854.77	852.61	2.90
12.0	128+41.67	74.84 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 1 MODIFIED	856.24	855.16	852.75	3.15
13.0	128+60.51	4.50 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 60	857.41	856.33	852.35	4.21
13.1	128+80.56	12.50 RT	INLET COVER TYPE H	INLET TYPE 3	857.75	856.50	853.48	3.19
13.2	128+80.65	13.67 RT	INLET COVER TYPE H	INLET TYPE 3	857.73	856.48	853.60	3.05
13.3	129+22.66	51.11 RT	INLET COVER TYPE H	INLET TYPE 3	857.27	856.02	854.24	1.95
14.0	128+81.96	27.50 LT	INLET COVER TYPE H	MANHOLE TYPE 60	857.47	856.22	853.50	2.93
15.0	129+80.37	22.97 LT	MANHOLE COVER TYPE J	MANHOLE TYPE 1	858.08	857.00	854.54	2.67
16.0	130+86.47	27.39 LT	INLET COVER TYPE H	MANHOLE TYPE 60	860.12	858.87	855.66	3.42
16.1	130+88.44	36.14 RT	INLET COVER TYPE H	INLET TYPE 3	859.98	858.73	857.16	1.74
STORM SEWER SHEET 5								
17.0	132+96.89	22.99 LT	MANHOLE COVER TYPE J	MANHOLE TYPE 1	863.09	862.22	857.97	4.44

STORM SEWER MANHOLES, CATCH BASINS, AND INLETS

STRUCTURE I.D.	STATION	OFFSET	COVER TYPE	STRUCTURE TYPE	TOP OF CURB/RIM ELEV.	TOP OF STRUCTURE ELEV.	OUTLET INVERT ELEV.	DEPTH OF STRUCTURE
STORM SEWER SHEET 5 CONTINUED								
18.0	134+41.00	28.50 LT	INLET COVER TYPE H-S	INLET TYPE 3	863.24	861.99	859.48	2.70
18.1	134+50.00	28.50 LT	INLET COVER TYPE H-S	INLET TYPE 3	863.28	862.03	859.79	2.41
18.2	134+41.00	28.50 RT	INLET COVER TYPE H-S	INLET TYPE 3	863.21	861.96	860.63	1.50
18.3	134+50.00	28.50 RT	INLET COVER TYPE H-S	INLET TYPE 3	863.25	862.00	860.79	1.38
STORM SEWER SHEET 6								
19.0	141+40.56	39.32 RT	INLET COVER TYPE H	INLET TYPE 3	863.28	862.03	855.71	6.49
19.1	141+50.78	8.44 RT	INLET COVER TYPE H	INLET TYPE 3	863.59	862.34	857.46	5.05
19.2	141+50.80	2.50 RT	INLET COVER TYPE H	INLET TYPE 3	863.59	862.34	857.62	4.89
20.0	142+98.39	39.54 RT	INLET COVER TYPE H-S	INLET TYPE 3	862.28	861.03	858.40	2.80
20.1	143+06.35	38.74 RT	INLET COVER TYPE H-S	INLET TYPE 3	862.32	861.07	858.54	2.70
21.0	142+30.30	28.50 LT	INLET COVER TYPE H	INLET TYPE 3	862.63	861.38	857.94	3.61
23.0	142+95.64	28.51 LT	INLET COVER TYPE H-S	INLET TYPE 3	862.42	861.17	858.08	3.26
23.1	143+22.05	38.12 LT	INLET COVER TYPE H-S	INLET TYPE 3	862.18	860.93	858.74	2.36
23.2	143+28.67	33.75 LT	INLET COVER TYPE H-S	INLET TYPE 3	862.22	860.97	858.89	2.25
STORM SEWER SHEET 7								
2.1	112+20.81	63.92 LT	INLET COVER TYPE H-S	INLET TYPE 3	874.45	873.20	869.93	3.44
2.2	112+58.76	65.99 LT	INLET COVER TYPE H-S	INLET TYPE 3	874.37	873.12	870.39	2.90
2.3	112+25.77	27.00 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 1	874.67	873.59	864.01	9.77
2.4	111+97.15	28.5 RT	INLET COVER TYPE H	INLET TYPE 3	875.37	874.12	869.56	4.73
2.5	112+26.12	60.97 RT	INLET COVER TYPE H-S	INLET TYPE 3	874.46	873.21	869.55	3.83
2.6	112+66.56	58.77 RT	INLET COVER TYPE H-S	INLET TYPE 3	874.38	873.13	870.02	3.28
STORM SEWER SHEET 8								
11.1	11'B'+20.21	21.80 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 1	855.73	854.65	850.30	4.56
11.2	12'B'+07.00	23.00 RT	INLET COVER TYPE H-S	MANHOLE TYPE 1	855.85	854.60	852.05	2.76
11.3	12'B'+16.00	23.00 RT	INLET COVER TYPE H-S	INLET TYPE 3	855.86	854.61	852.57	2.21
11.4	12'B'+07.00	24.50 LT	INLET COVER TYPE H-S	INLET TYPE 3	855.78	854.53	852.73	1.99
11.5	12'B'+16.00	24.50 LT	INLET COVER TYPE H-S	INLET TYPE 3	855.78	854.53	852.89	1.81
STORM SEWER SHEET 9								
25.0	11'L'+10.00	20.50 RT	MANHOLE COVER TYPE J	MANHOLE TYPE 15	854.68	853.60	848.17	6.27
STORM SEWER SHEET 10								
22.0	142+60.29	50.00 LT	INLET COVER TYPE H-S	INLET TYPE 3	862.07	860.82	858.09	2.90

2

CITY OF MONONA

POB STA 6'W'+43.64

6'W'+44

WINNEQUAH RD

7'W'+00

8'W'+00

9'W'+00

10'W'+00

11'W'+00

11'W'+99

POE STA 11'W'+98.73

SLOPE INTERCEPTS (TYP.)

CITY OF MONONA

13' SANITARY SEWER EASEMENT

MONONA DR

CITY OF MADISON

PC STA 112+79.56

113+00

112+00

CAUTION

SAN MH 6349-008
10'W'+65, 9' LT
REPLACE EXISTING MH

ABANDONED

CHARTER COMMUNICATIONS

MG&E

PROPOSED R/W (TYP.)

MADISON METRO SEWERAGE DISTRICT

AT&T

4207 4205 4203 4201 4200 4174 105

N

L 100.00'
K 21.90

L 30.00'
K 11.17

L 25.00'
K 10.39

PROPOSED PROFILE

EXISTING GROUND

PVI 6'W'+55.42
EL 870.18

PVI 7'W'+02.60
EL 871.29

PVI 8'W'+54.02
EL 875.66

PVC 8'W'+04.02
EL 874.22

PVI MH 8'W'+67.09
EL 875.12

PVI 9'W'+04.00
EL 874.81

PVC 9'W'+20.00
EL 874.54

PVI 9'W'+35.00
EL 874.29

LO 9'W'+38.83
EL 874.38

PVT 9'W'+50.00
EL 874.44

PVI 10'W'+00.00
EL 874.94

PVC 10'W'+47.50
EL 874.47

LO 10'W'+57.88
EL 874.41

PVT 10'W'+72.50
EL 874.52

PVI 10'W'+60.00
EL 874.34

PVI 11'W'+50.00
EL 875.61

2.88%

2.36%

-1.69%

1.00%

-1.00%

1.41%

SAN MH 6349-008
RIM=874.26
I.E. N=868.71
I.E. S=868.75 (TAP)

12" GAS

PLUG ABANDONED PIPE

ABANDONED 8"

EXIST 8" WM

12" W

RECONNECT EXISTING PIPES FROM THE SOUTH AND NORTH TO NEW MH

36" FM

878 876 874 872 870 868 866 864

6'W'+50 7'W'+00 7'W'+50 8'W'+00 8'W'+50 9'W'+00 9'W'+50 10'W'+00 10'W'+50 11'W'+00 11'W'+50 12'W'+00

PROJECT NO: 5994-00-75	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - SANITARY SEWER	SHEET E

FILE NAME : x:\md\le\2008\08m085\cad\plans\SAN PANP Winnequah.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:02:23 PM PLOT BY : cas1

WISDOT/CADDS SHEET 30

2

MONONA DR

STA 129+12.95 PI

129+00

10'B'+00

10'L'+00

11'B'+00

12'B'+00

13'B'+00

14'B'+00

CAUTION

CAUTION

CAUTION

CAUTION

CAUTION

SAN MH 6347-006 (5' DIA.)
11'B'+30, 23.5' LT
REPLACE EXISTING MH

CITY OF MADISON

CITY OF MADISON

BUCKEYE RD

MG&E

CHARTER COMMUNICATIONS

MADISON METRO SEWERAGE DISTRICT

CITY OF MONONA

MG&E

EXISTING R/W (TYP.)

PROPOSED TLE LIMITS (TYP.)

PROPOSE R/W (TYP.)

SLOPE INTERCEPTS (TYP.)

5' SANITARY EASEMENT

6" WGE

4102 4104 4106 4108 4205 4100 4037

PC STA 127+86.65

128+00

PVI 10'B'+00.00
EL 857.60

PVI 10'B'+52.69
EL 856.78

7.55%

-0.80%

BAC 11'B'+21.02
EL 856.23

LO 12'B'+07.40
EL 855.89

EXISTING GROUND

PROPOSED PROFILE

SAN MH 6347-006
RIM=855.73
I.E. SE=850.21 (TAP)
I.E. NE=850.14

12" GAS

8" SAN

36" FM

12" W

EXIST 12" WM

EXIST 15" SS

EXIST 15" SS

EXIST 8" SAN SEWER (UNDER LT C&G)

EXIST 16" WM

EXIST 16" WM

RECONNECT EXISTING PIPES FROM
THE SOUTHEAST AND NORTHEAST TO NEW MH

860 858 856 854 852 850 848 846

PROJECT NO: 5994-00-75	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - SANITARY SEWER	SHEET E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\SAN PANP Buckeye.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:06:23 AM PLOT BY : cas1

WISDOT/CADDS SHEET 30

SAN MH 6347-004 (5' DIA.)
11'L'+07, 7.5' LT
REPLACE EXISTING MH

SAN MH 6347-003 (5' DIA.)
11'L'+42.5, 7.5' LT
REPLACE EXISTING MH

LAKE EDGE BLVD

MONONA DR

STA 129+12.93 PI

129+00

128+00

127+00

10'B'+00

11'B'+00

CAUTION

10'L'+00

11'L'+00

12'L'+00

13'L'+00

14'L'+00

STM 42" HERCSSP

STM 3'X5' CSCP

102

108

PVI 10'L'+34.93
EL 856.59

L 50.00'
K 15.75

PVI 10'L'+31.58
EL 856.61

PVI 10'L'+39.97
EL 856.56

PVI 10'L'+00.00
EL 856.84

PVI 10'L'+31.09
EL 856.61

PVC 10'L'+64.45
EL 856.42

PVI 10'L'+89.45
EL 856.28

L 60.00'
K 15.36

EXISTING GROUND

PVT 11'L'+14.45
EL 855.35

PVC 11'L'+25.76
EL 854.93

SAN MH 6347-003
RIM=853.83
I.E. W=850.40 (TAP)
I.E. E=850.37
I.E. N=850.45 (TAP)

LO 11'L'+83.17
EL 853.85

PVT 11'L'+85.76
EL 853.85

PROPOSED PROFILE

L 50.00'
K 65.03

PVC 12'L'+65.18
EL 853.99

PVT 13'L'+15.18
EL 854.26

PVI 13'L'+80.68
EL 854.88

0.01%

-2.23%

-0.60%

-0.56%

0.55%

-5.83%

-3.74%

0.17%

0.94%

PVI 10'L'+30.05
EL 856.17

PVI 10'L'+39.94
EL 856.16

PVI 10'L'+31.08
EL 856.11

SAN MH 6347-004
RIM=855.05
I.E. W=850.53 (TAP)
I.E. E=850.48

PVI 10'L'+34.95
EL 856.19

PVI 11'L'+55.76
EL 853.80

PVI 12'L'+90.18
EL 854.03

EXIST 10" SAN SEWER

EXIST 34" X 53" SS

EXIST 57" X 38" SS

RECONNECT EXISTING PIPES FROM
THE WEST AND EAST TO NEW MH
PLUG ABANDONED PIPE FROM THE SOUTHWEST

RECONNECT EXISTING PIPES FROM
THE NORTH, WEST AND EAST TO NEW MH

EXIST 8" SAN SEWER
(BEHIND RT C&G)

EXIST 10" SAN

860
858
856
854
852
850
848
846

9'L'+00 9'L'+50 10'L'+00 10'L'+50 11'L'+00 11'L'+50 12'L'+00 12'L'+50 13'L'+00 13'L'+50 14'L'+00

PROJECT NO: 5994-00-75	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - SANITARY SEWER	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\SAN PANP Lake Edge.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:06:54 AM PLOT BY : cas1

WISDOT/CADDS SHEET 30

SANITARY LATERAL OF UNKNOWN SIZE AND MATERIAL

SANITARY LATERAL (FM) OF UNKNOWN SIZE AND MATERIAL

MADISON METRO SEWERAGE DISTRICT

CHARTER COMMUNICATIONS

MG&E

SAN MH 1
141+25.47, 17.20' LT
REPLACE EXISTING MH

SLOPE INTERCEPTS (TYP.)

FERCHLAND PLACE

STA 9'F'+33, 22' RT
PLACE SANITARY MANHOLE 4-FT AND SANITARY MANHOLE COVER OVER EXISTING SANITARY LIFT STATION COVER. SEE DETAIL.

CITY OF MONONA

PI STA 9'F'+39.72

CITY OF MONONA

6" PVC LATERAL

8" PVC PRIVATE MAIN

SAN MH 2
144+98.77, 15.15' LT
REPLACE EXISTING MH

STA 140+15.50

8" CLAY

SAN MH 1

PC STA 141+28.47

PT STA 141+54.00

CAUTION

142+00

370'-8" PVC

143+00

144+00

145+00

146+00

STA 145+65.58

RECONNECT EX. LATERAL TO NEW SANITARY MAIN

RECONNECT EX. LATERAL (FM) TO NEW SANITARY MAIN

RECONNECT EX. LATERAL TO NEW SANITARY MAIN

CONNECT TO EXISTING MH

40'-10" PVC

MONONA DRIVE

AT&T

MG&E

CITY OF MADISON

PROPOSED TLE LIMITS (TYP.)

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

COTTAGE GROVE ROAD

SAN MH 6345-002
142+07, 34'RT
REPLACE EXISTING MH

CITY OF MADISON

PROPOSED PROFILE
EXISTING GROUND

SAN MH 1
RIM=863.00
I.E. N=853.70
I.E. E=853.67
I.E. S=854.16

SAN MH 6345-002
RIM=862.24
I.E. E=852.81
I.E. S=853.20 (TAP)

PVC 142+52.81
EL 862.69

LO 143+01.79
EL 862.56

PVI 143+02.81
EL 862.43

PVI 143+52.81
EL 862.70

SAN MH 2
RIM=863.19
I.E. N=854.90
I.E. S=854.87
I.E. SW=854.92

-0.52%

0.54%

EX. SAN MH A

EXIST 12" SS

EXIST 36" RCP FORCEMAIN

EX. 6" LATERAL

EXIST 12" WM

EX. 6" LATERAL

EXIST 36" RCP FORCEMAIN

EXIST 12" WM

EX. 6" LATERAL

EXIST 10" WM

EXIST 8" SAN SEWER

370'-8" PVC @ -0.32%

EXIST 8" SAN SEWER

CONNECT EXISTING PIPE FROM THE SOUTH TO PROPOSED MH 1

EXIST 10" SAN SEWER

40'-10" PVC @ 0.50%

RECONNECT EXISTING PIPES FROM THE SOUTH, WEST AND EAST TO NEW MH PLUG ABANDONED PIPE FROM THE WEST

CONNECT EXISTING PIPE FROM THE NORTH AND SOUTHWEST TO PROPOSED MH 2

864 862 860 858 856 854 852 850

140+25 140+50 140+75 141+00 141+25 141+50 141+75 142+00 142+25 142+50 142+75 143+00 143+25 143+50 143+75 144+00 144+25 144+50 144+75 145+00 145+25 145+50 145+75 146+00 146+25

PROJECT NO: 5994-00-75	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - SANITARY SEWER	SHEET 68 E

FILE NAME : x:\md\le\2008\08m085\cad\plans\SAN PANP Cott Grove.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:02:32 PM PLOT BY : cas1

WISDOT/CADDS SHEET 40

2

111+64
65'-1" CU WATER SERVICE
INSTALL AND RECONNECT

9+40, 23' RT
REMOVE EXISTING HYDRANT
INSTALL NEW HYDRANT AND
6" GATE VALVE & BOX

ABANDON AND SEAL
EXISTING WATERMAIN

REMOVE EXISTING
WATER VALVE BOX

CITY OF MONONA

MADISON METRO SEWERAGE DISTRICT

CHARTER COMMUNICATIONS

MG&E

CITY OF MONONA

111+75, 18' LT
45° BEND

111+54, 18' LT
CONNECT NEW 8" WATERMAIN
TO EXISTING 8" WATERMAIN

38'-8" DI
WATERMAIN

111+79, 15' LT
45° BEND

111+79, 6' LT
8" GATE VALVE & BOX

111+82, 3' LT
INSTALL 8" GATE
VALVE & BOX

111+75, 3' LT
12" GATE VALVE & BOX
PLUG VALVE FOR FUTURE
CONNECTION BY OTHERS

AT&T

MG&E

CITY OF MADISON

111+79, 3' LT
INSTALL 12" CROSS &
12"X8" REDUCERS
WEST AND NORTH

28'-12" DI WATERMAIN

111+79, 22' RT
12" GATE VALVE & BOX
(CONNECTION TO EXISTING 12" WATERMAIN
USING LIVE TAP BY CITY OF MADISON)

23'-6" DI WATERMAIN

9+39, 3' LT
CONNECT NEW 8" WATERMAIN
TO EXISTING 8" WATERMAIN

9+41, 3' LT
INSTALL 8"X6" TEE
8" GATE VALVE & BOX

55'-8" DI WATERMAIN

112+42.5, 6' LT
45° BEND

112+39.0, 3' LT
45° BEND

64'-8" DI
WATERMAIN

SLOPE INTERCEPTS (TYP.)

MONONA DR

WINNEQUAH ROAD

PROPOSED TLE LIMITS (TYP.)

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

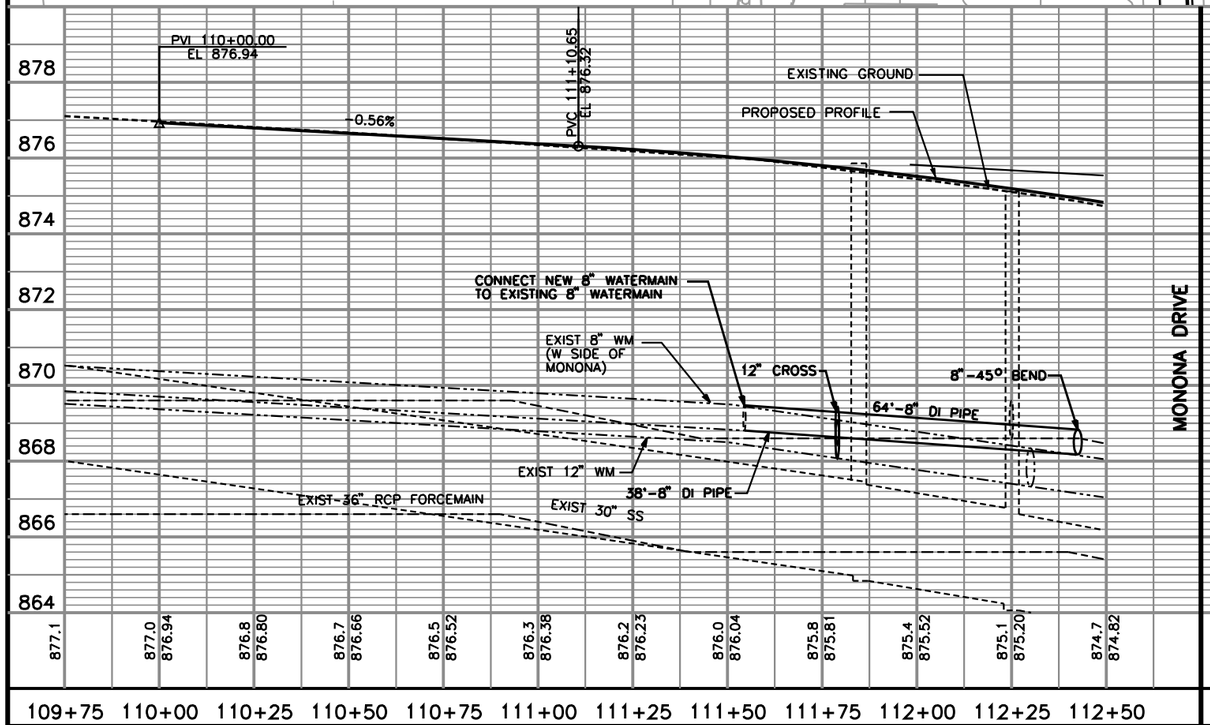
PI STA 110+00.63

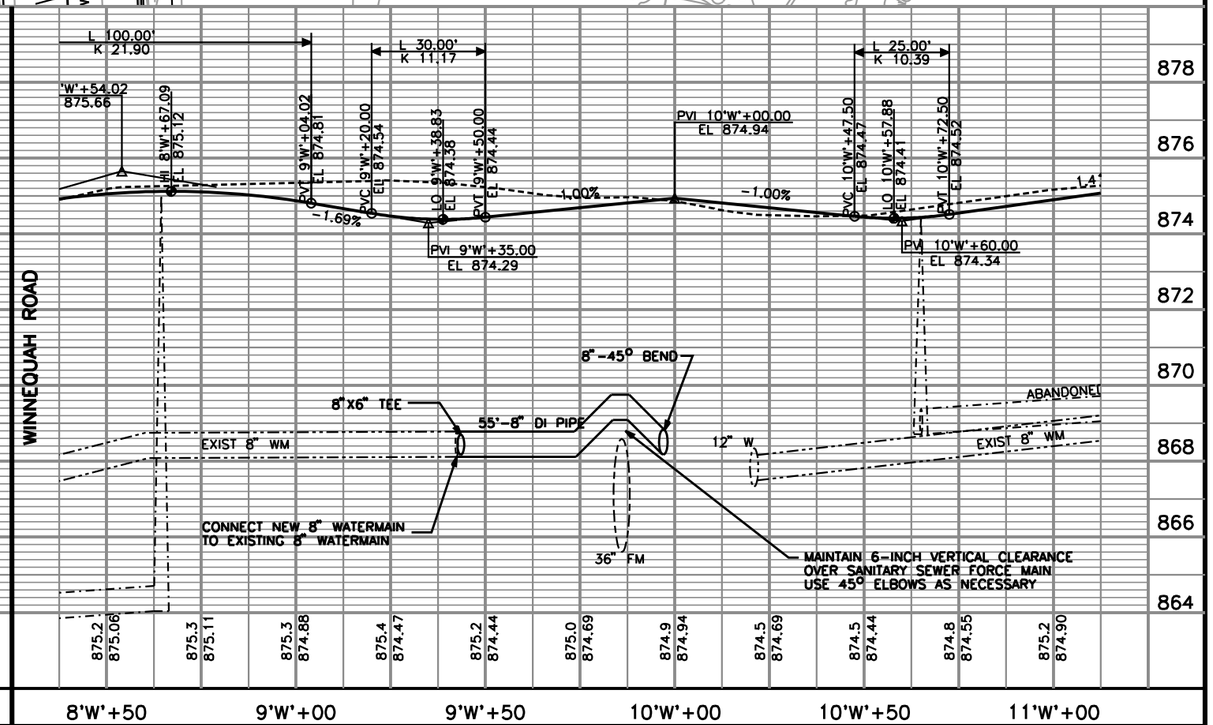
PC STA 112+79.50

PI STA 117+70.34

110+00 111+00 112+00 113+00 114+00 115

33' 33'



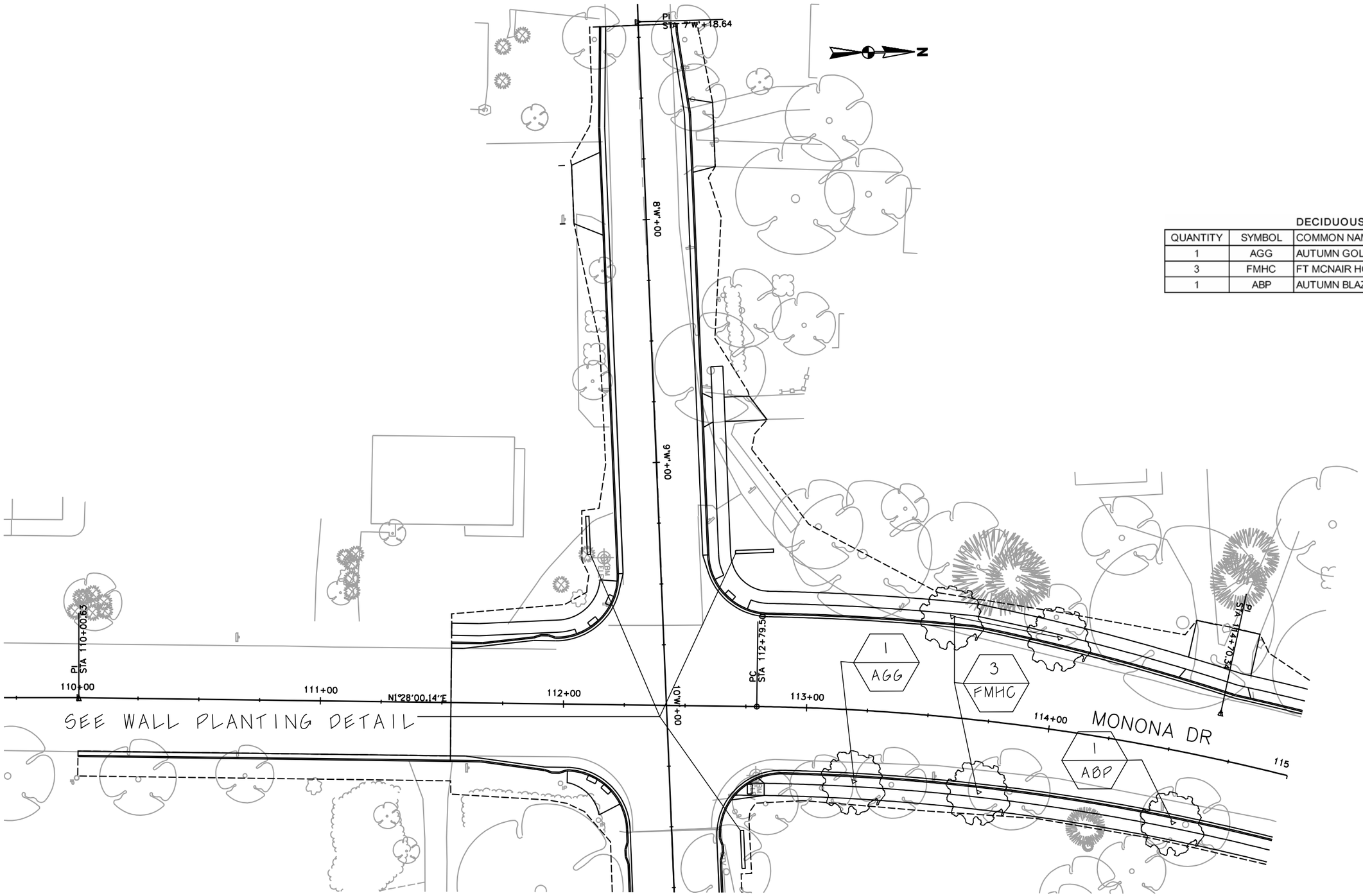


PROJECT NO: 5994-00-76	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - WATERMAIN	SHEET	E

FILE NAME : x:\md\le\2006\08m085\cad\plans\PANPVWM.dgn PLOT DATE : 12/9/2011 PLOT TIME : 12:02:37 PM PLOT BY : cas1

WISDOT/CADDS SHEET 40

2

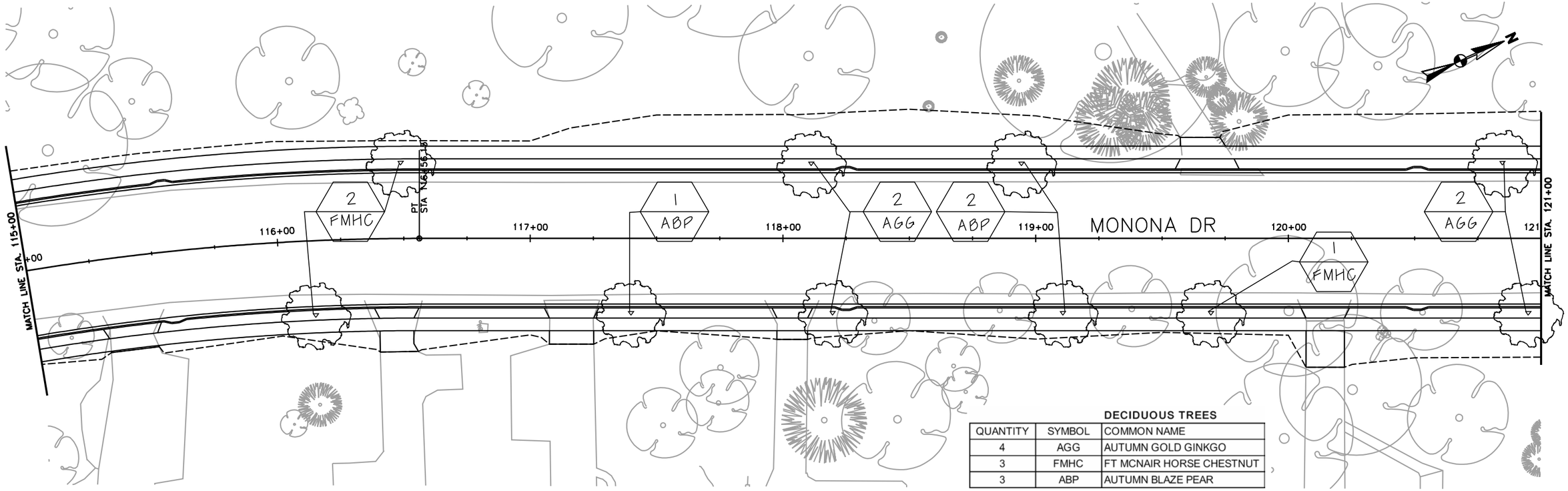


DECIDUOUS TREES

QUANTITY	SYMBOL	COMMON NAME
1	AGG	AUTUMN GOLD GINKGO
3	FMHC	FT MCNAIR HORSE CHESTNUT
1	ABP	AUTUMN BLAZE PEAR

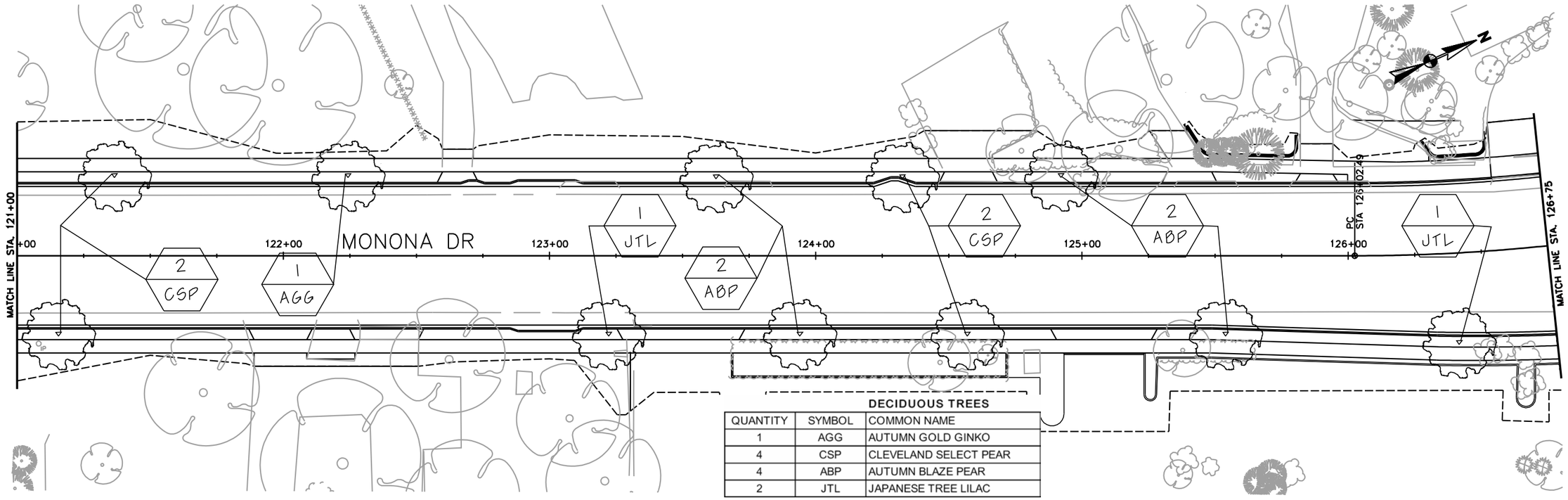
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPING PLAN	SHEET 70	E

2



DECIDUOUS TREES

QUANTITY	SYMBOL	COMMON NAME
4	AGG	AUTUMN GOLD GINKGO
3	FMHC	FT MCNAIR HORSE CHESTNUT
3	ABP	AUTUMN BLAZE PEAR

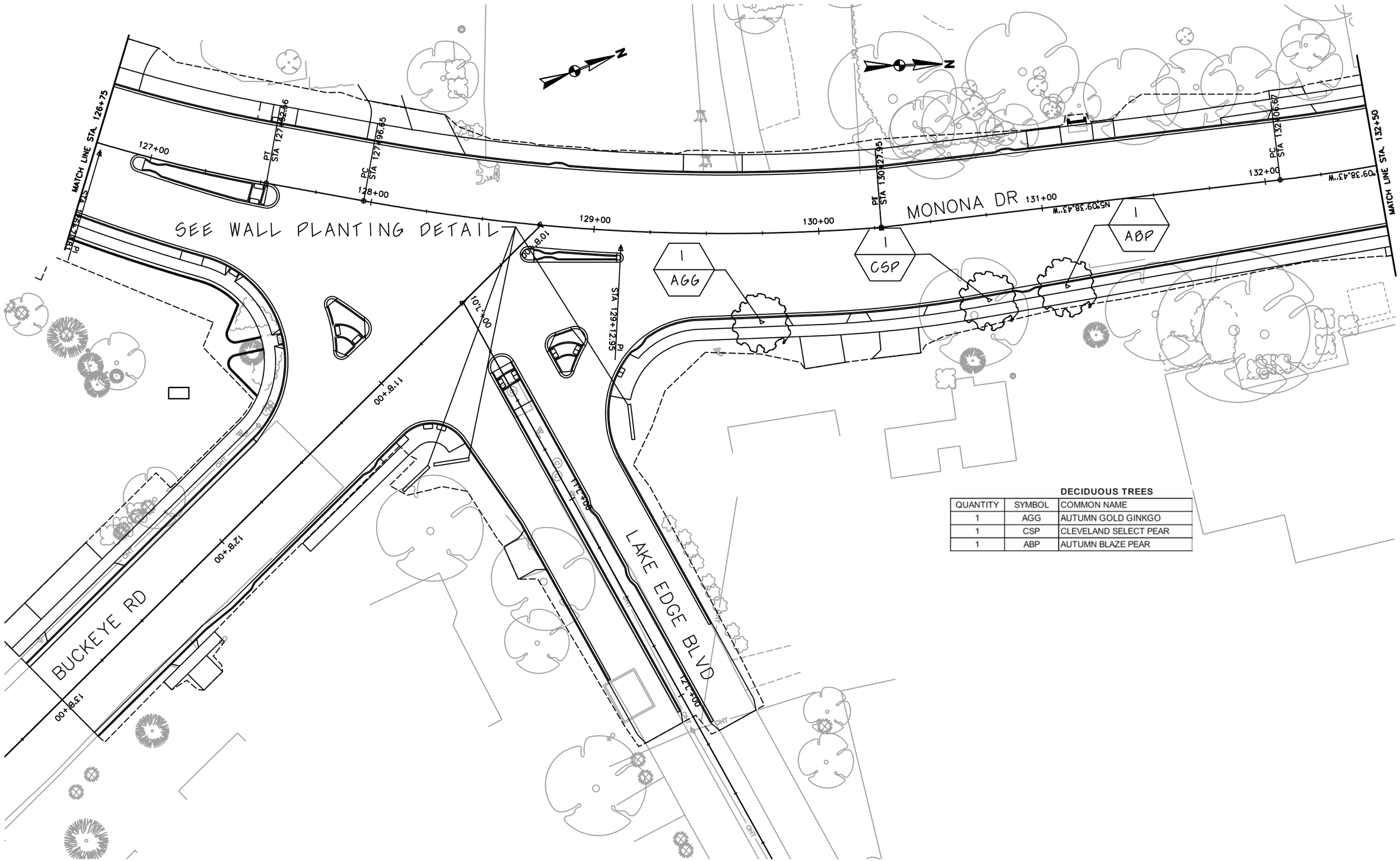


DECIDUOUS TREES

QUANTITY	SYMBOL	COMMON NAME
1	AGG	AUTUMN GOLD GINKO
4	CSP	CLEVELAND SELECT PEAR
4	ABP	AUTUMN BLAZE PEAR
2	JTL	JAPANESE TREE LILAC

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPING PLAN	SHEET 71	E

2

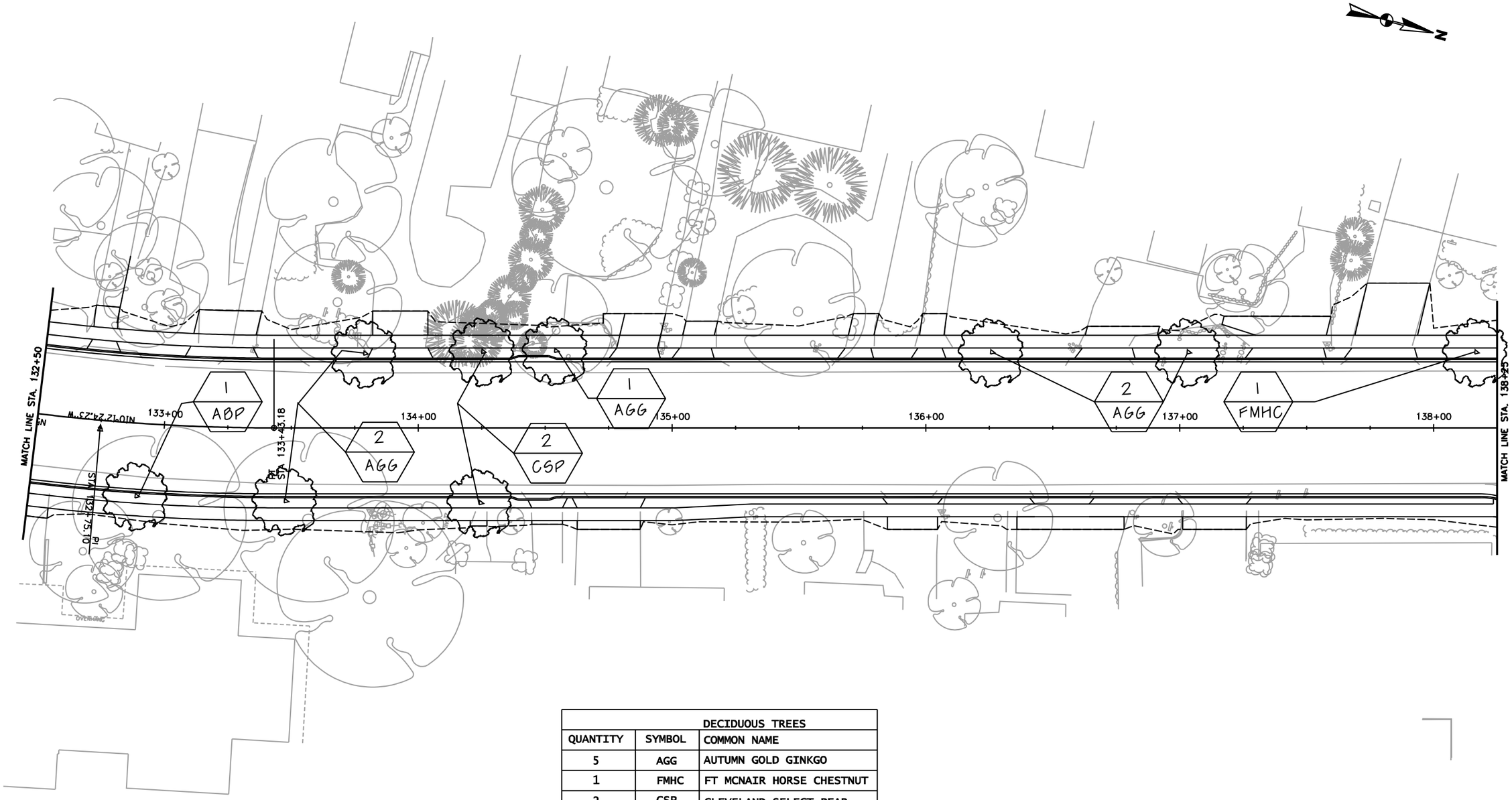


DECIDUOUS TREES

QUANTITY	SYMBOL	COMMON NAME
1	AGG	AUTUMN GOLD GINKGO
1	CSP	CLEVELAND SELECT PEAR
1	ABP	AUTUMN BLAZE PEAR

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPING PLAN	SHEET 72	E

2

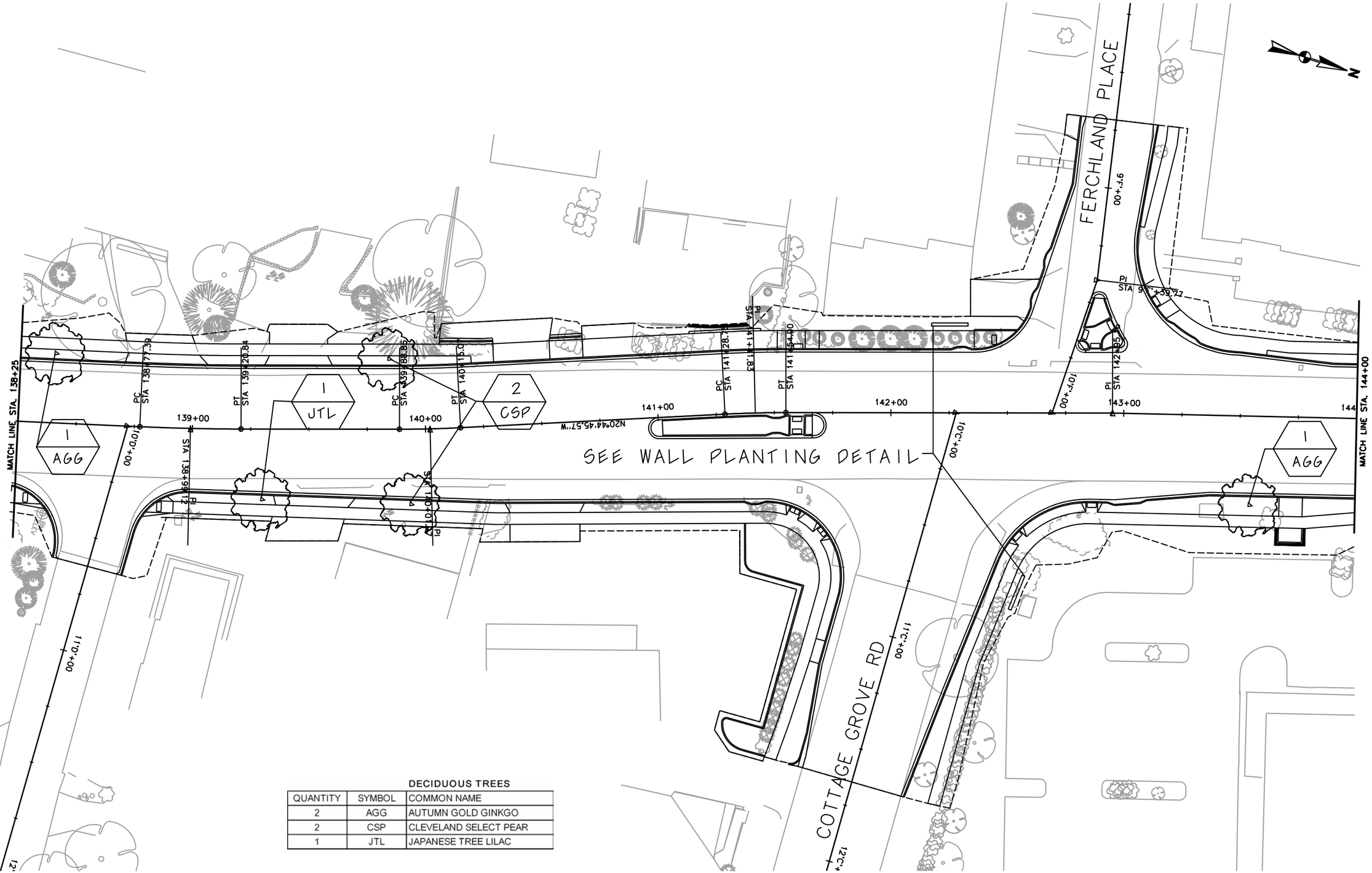


DECIDUOUS TREES		
QUANTITY	SYMBOL	COMMON NAME
5	AGG	AUTUMN GOLD GINKGO
1	FMHC	FT MCNAIR HORSE CHESTNUT
2	CSP	CLEVELAND SELECT PEAR
1	ABP	AUTUMN BLAZE PEAR

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPING PLAN	SHEET	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\LANDSCAPING01_2-4.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:03:00 PM WISDOT/CADDS SHEET 30

2

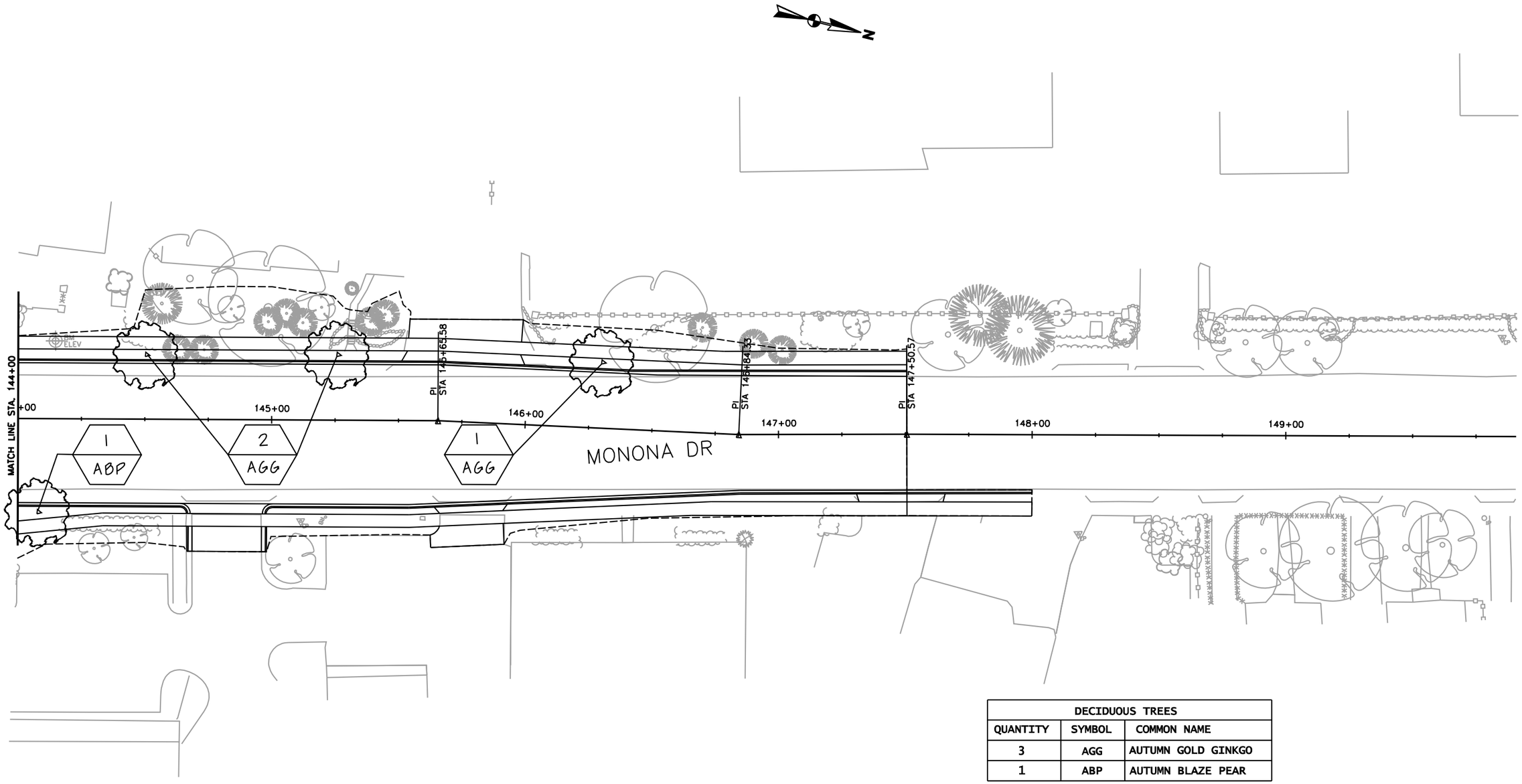


DECIDUOUS TREES

QUANTITY	SYMBOL	COMMON NAME
2	AGG	AUTUMN GOLD GINKGO
2	CSP	CLEVELAND SELECT PEAR
1	JTL	JAPANESE TREE LILAC

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPING PLAN	SHEET 74	E

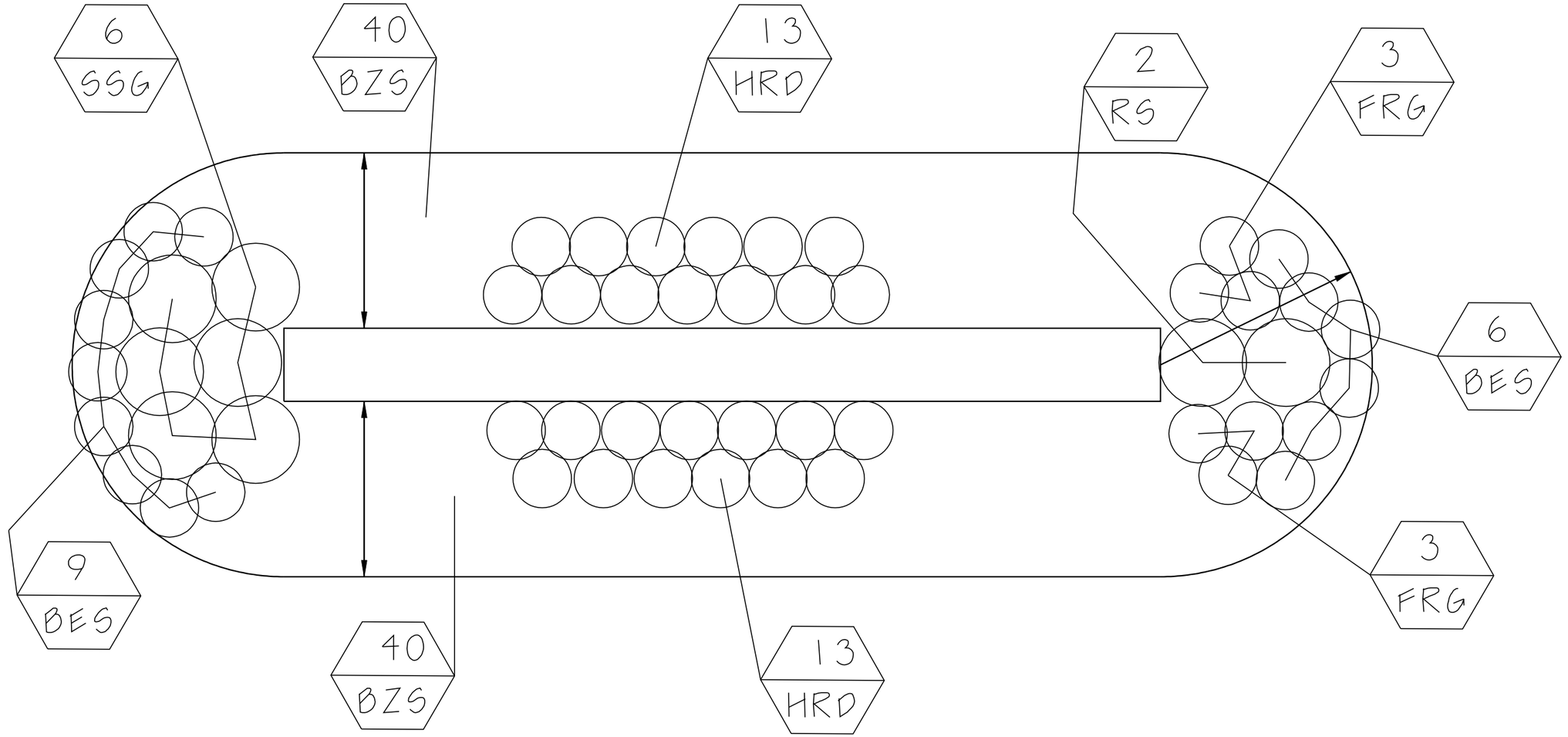
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DECIDUOUS TREES		
QUANTITY	SYMBOL	COMMON NAME
3	AGG	AUTUMN GOLD GINKGO
1	ABP	AUTUMN BLAZE PEAR

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPING PLAN	SHEET 75	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\LANDSCAPING01_2-6.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:03:12 PM WISDOT/CADDS SHEET 30



PERENNIALS		
QUANTITY	SYMBOL	COMMON NAME
6	FRG	KARL FORSTER FEATHER REED GRASS
80	BZS	BLUE ZINGER SEDGE
26	HRD	HAPPY RETURNS DAYLILY
6	SSG	SHENANDOAH SWITCHGRASS
2	RS	RUSSIAN SAGE
15	BES	GOLDSTURM BLACK EYED SUSAN

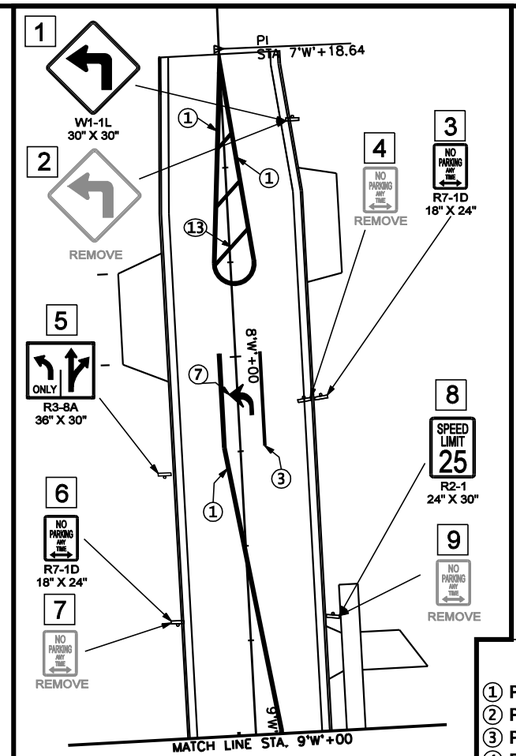
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	WALL PLANTING DETAIL	SHEET 76	E

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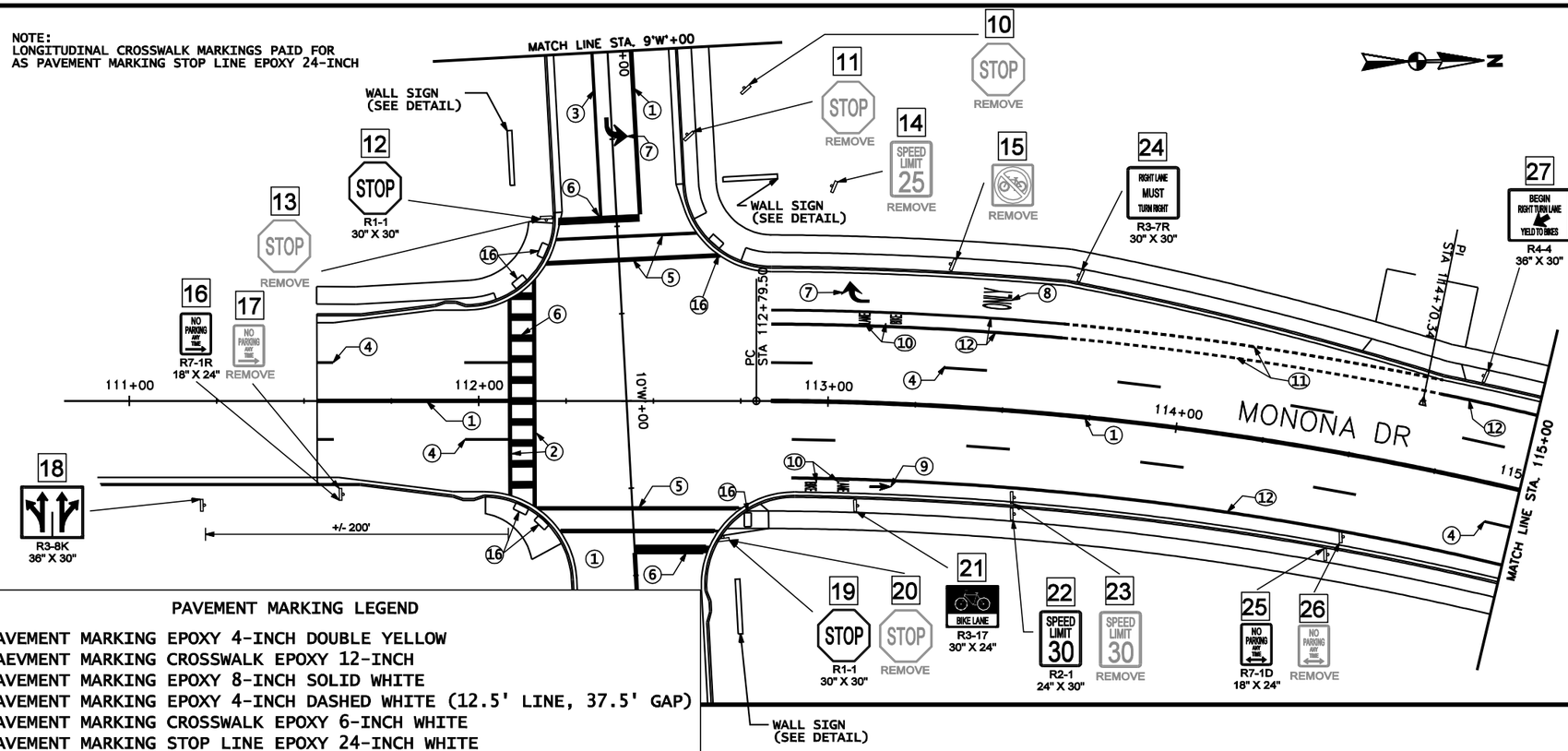
PLANT DATA CHART

SYMBOL	COMMON NAME	SCIENTIFIC NAME	TYPE	AVE. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MIN BALL/POT DIAM.	MIN BALL/POT DEPTH	MIN ROOT SPREAD	MIN PLANT HOLE DIAM.	MIN PLANT HOLE DEPTH	BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROTCT/WRAPPING	MULCH RING DIAM.
	TALL DECIDUOUS TREES														
AGG	AUTUMN GOLD GINKGO	GINKGO BILOBA "AUTUMN GOLD"	1	50'	CAL.	B&B	28"	18"	-	52"	18"	NO	4	NO	5'
	LOW DECIDUOUS TREES														
FMHC	FT MCNAIR HORSE CHESTNUT	AESCULUS X CARNEA	2	40'	CAL.	B&B	28"	18"	-	52"	18"	NO	3	NO	4'
CSP	CLEVELAND SELECT PEAR	PYRUS CALLERYANA 'CHANTICLEER'	2	40'	2 1/2-INCH CAL.	B&B	28"	18"	-	52"	18"	NO	3	NO	4'
ABP	AUTUMN BLAZE PEAR	PYRUS CALLERYANA 'AUTUMN BLAZE'	2	40'	2 1/2-INCH CAL.	B&B	28"	18"	-	52"	18"	NO	3	NO	4'
JTL	JAPANESE TREE LILAC	SYRINGA RETICULATE 'IVORY SILK'	2	25'	2 1/2-INCH CAL.	B&B	28"	18"	-	52"	18"	NO	3	NO	4'
	PERENNIALS														
FRG	FEATHER REED GRASS, KARL FORSTER	CALAMAGROSTIS X ACUTIFLORA	-	36"	24"	CG	-	-	-	-	-	NO	NO	NO	Mulched in Bed
BZS	BLUE ZINGER SEDGE	CAREX GLAUCA 'BLUE ZINGER'	-	12"	12"	CG	-	-	-	-	-	NO	NO	NO	Mulched in Bed
HRD	HAPPY RETURNS DAYLILY	HEMEROCALLIS 'HAPPY RETURNS'	-	18"	12"	CG	-	-	-	-	-	NO	NO	NO	Mulched in Bed
SSG	SHENANDOAH SWITCHGRASS	PANICUM VIRGATUM 'SHENANDOAH'	-	24"	18"	CG	-	-	-	-	-	NO	NO	NO	Mulched in Bed
RS	RUSSIAN SAGE	PEROVSKIA ATRIPLICIFOLIA	-	36"	24"	CG	-	-	-	-	-	NO	NO	NO	Mulched in Bed
BES	GOLDSTRUM BLACK EYED SUSAN	RUDBECKIA FULGIDA 'GOLDSTRUM'	-	18"	18"	CG	-	-	-	-	-	NO	NO	NO	Mulched in Bed

BB: BARE ROOT
B&B: BALL & BURLAPED
CG: CONTAINER GROWN

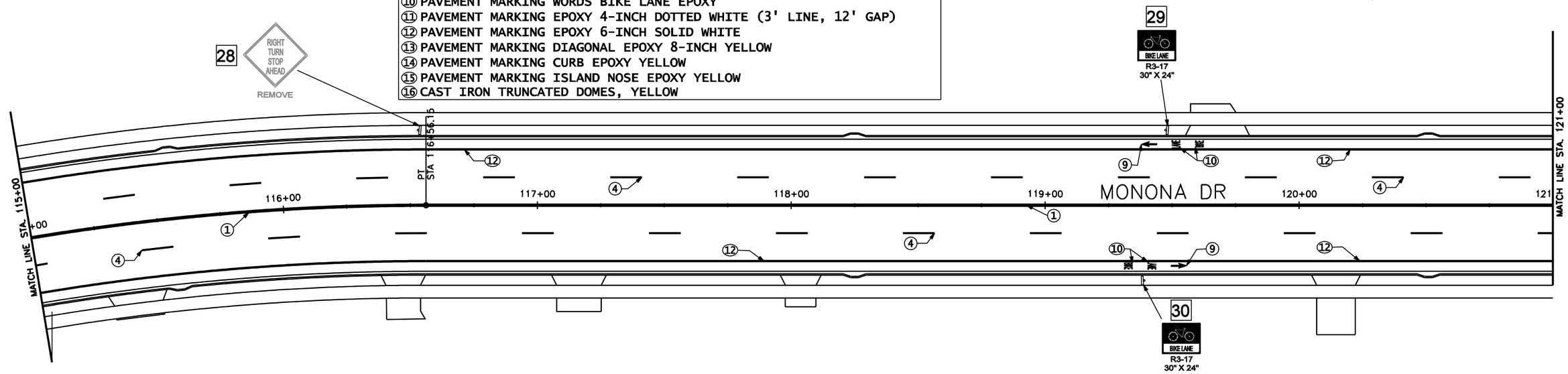


NOTE:
LONGITUDINAL CROSSWALK MARKINGS PAID FOR AS PAVEMENT MARKING STOP LINE EPOXY 24-INCH



PAVEMENT MARKING LEGEND

① PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
② PAEVMENT MARKING CROSSWALK EPOXY 12-INCH
③ PAVEMENT MARKING EPOXY 8-INCH SOLID WHITE
④ PAVEMENT MARKING EPOXY 4-INCH DASHED WHITE (12.5' LINE, 37.5' GAP)
⑤ PAVEMENT MARKING CROSSWALK EPOXY 6-INCH WHITE
⑥ PAVEMENT MARKING STOP LINE EPOXY 24-INCH WHITE
⑦ PAVEMENT MARKING ARROWS EPOXY TYPE 2 WHITE
⑧ PAVEMENT MARKING WORDS EPOXY
⑨ PAVEMENT MARKING ARROWS BIKE LANE EPOXY
⑩ PAVEMENT MARKING WORDS BIKE LANE EPOXY
⑪ PAVEMENT MARKING EPOXY 4-INCH DOTTED WHITE (3' LINE, 12' GAP)
⑫ PAVEMENT MARKING EPOXY 6-INCH SOLID WHITE
⑬ PAVEMENT MARKING DIAGONAL EPOXY 8-INCH YELLOW
⑭ PAVEMENT MARKING CURB EPOXY YELLOW
⑮ PAVEMENT MARKING ISLAND NOSE EPOXY YELLOW
⑯ CAST IRON TRUNCATED DOMES, YELLOW



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING & SIGNING	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\PMARK01.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:03:23 PM

NOTE:
LONGITUDINAL CROSSWALK MARKINGS ARE PAID FOR AS PAVEMENT MARKING STOP LINE EPOXY 24-INCH

MONONA DR

MATCH LINE STA. 121+00

MATCH LINE STA. 126+75

PC STA 126+02.49

MATCH LINE STA. 132+50

PC STA 132+06.67

PC STA 127+96.65

PC STA 130+27.95

PT STA 129+12.25

MATCH LINE STA. 10'L+75

MATCH LINE STA. 11'R+35

33 R3-8L 54" X 30"

34 SNOW EMERGENCY SIGN

43 SPEED LIMIT 30 R2-1 24" X 30"

31 R7-1D 18" X 24"

32 REMOVE

35 TRUCK ROUTE R14-1 24" X 18"

36 M6-1 21" X 21" M6-2 21" X 21"

37 TRUCK ROUTE REMOVE

38 REMOVE

39 REMOVE

40 25 M.P.H. REMOVE

41 BIKE LANE R3-17 30" X 24"

42 R3-8K 36" X 30"

44 R4-7 24" X 30"

45 R7-1R 18" X 24"

46 REMOVE

47 BIKE LANE R3-17 30" X 24"

48 REMOVE

49 R4-7 24" X 30"

50 REMOVE

51 STOP R1-1F 30" X 30" MOUNT ON SIGNAL POLE

52 YIELD REMOVE

53 RIGHT TURN OBEY THIS SIGN REMOVE

54 YIELD R1-2 36" X 31"

55 RIGHT TURN OBEY THIS SIGN R1-53 24" X 30"

56 R4-7 24" X 30"

57 STOP R1-1F 30" X 30" MOUNT ON SIGNAL POLE

58 R4-7 24" X 30"

59 R4-7 24" X 30"

60 REMOVE

61 STOP R1-1F 30" X 30" MOUNT ON SIGNAL POLE

62 YIELD R1-2 36" X 31"

63 RIGHT TURN OBEY THIS SIGN R1-53 24" X 30"

64 REMOVE

65 SPEED LIMIT 30 REMOVE

66 REMOVE

67 R4-7 24" X 30"

68 REMOVE

69 SPEED LIMIT 30 R2-1 24" X 30"

70 NO PARKING ANY TIME REMOVE

71 STOP R1-1F 30" X 30" MOUNT ON SIGNAL POLE

72 NO TURN ON RED REMOVE

73 BIKE LANE R3-17 30" X 24"

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

75 NO PARKING ANY TIME REMOVE

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

77 ONLY ONLY R3-8M 54" X 30"

WALL SIGN (SEE DETAIL)

PAVEMENT MARKING LEGEND

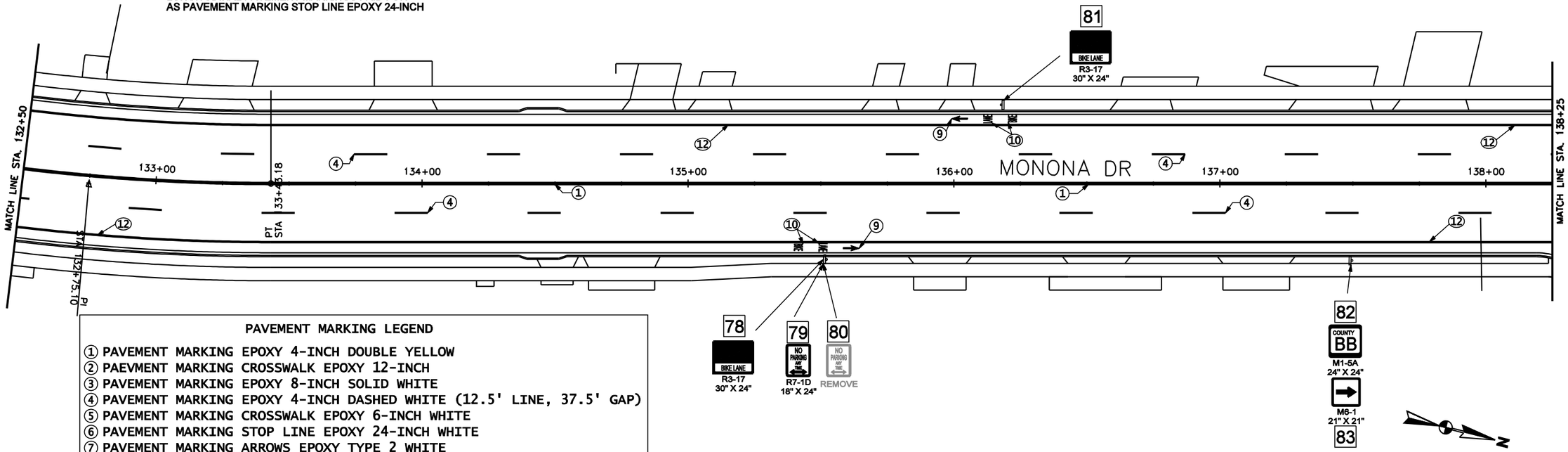
1. PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
2. PAEVMENT MARKING CROSSWALK EPOXY 12-INCH
3. PAVEMENT MARKING EPOXY 8-INCH SOLID WHITE
4. PAVEMENT MARKING EPOXY 4-INCH DASHED WHITE (12.5' LINE, 37.5' GAP)
5. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH WHITE
6. PAVEMENT MARKING STOP LINE EPOXY 24-INCH WHITE
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2 WHITE
8. PAVEMENT MARKING WORDS EPOXY
9. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING EPOXY 4-INCH DOTTED WHITE (3' LINE, 12' GAP)
12. PAVEMENT MARKING EPOXY 6-INCH SOLID WHITE
13. PAVEMENT MARKING DIAGONAL EPOXY 8-INCH YELLOW
14. PAVEMENT MARKING CURB EPOXY YELLOW
15. PAVEMENT MARKING ISLAND NOSE EPOXY YELLOW
16. CAST IRON TRUNCATED DOMES, YELLOW

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING & SIGNING	SHEET 79	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PMARK03.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 9:12:00 AM

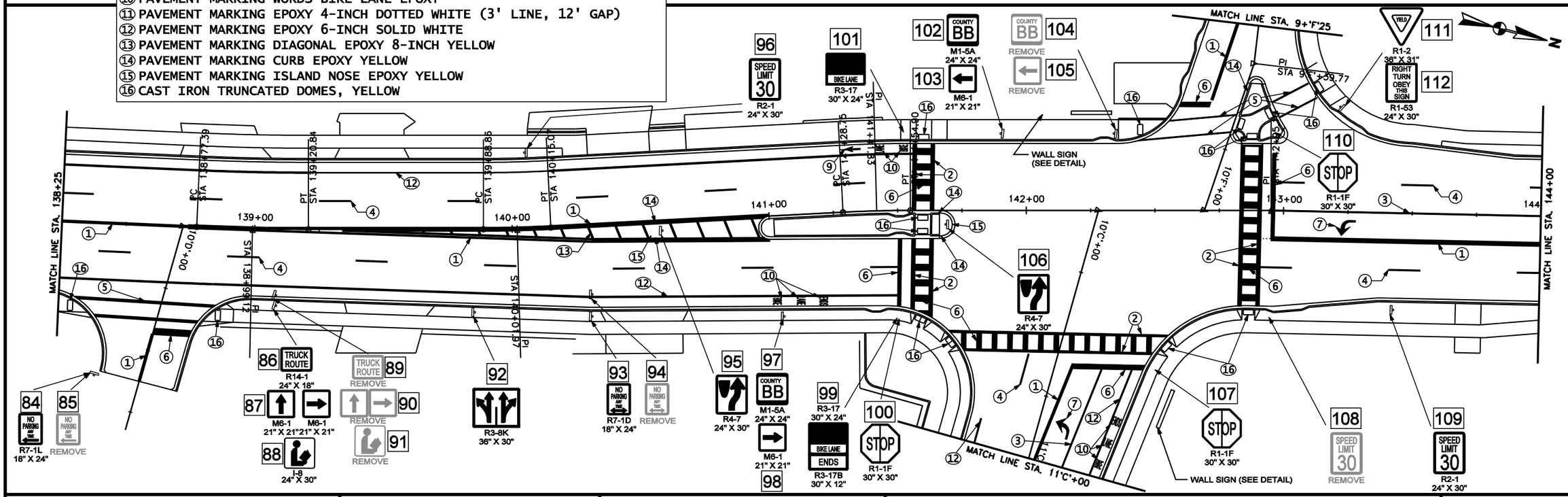
WISDOT/CADDS SHEET 30

NOTE:
LONGITUDINAL PAVEMENT MARKINGS PAID FOR
AS PAVEMENT MARKING STOP LINE EPOXY 24-INCH

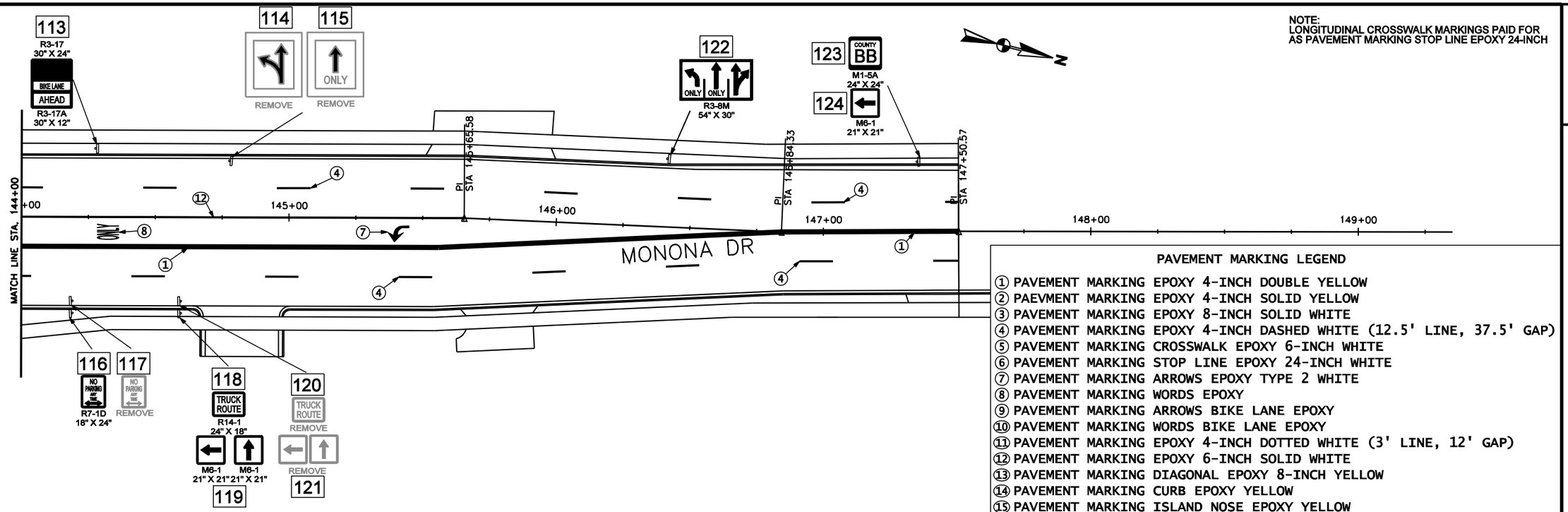


PAVEMENT MARKING LEGEND

① PAVEMENT MARKING EPOXY 4-INCH DOUBLE YELLOW
② PAEVMENT MARKING CROSSWALK EPOXY 12-INCH
③ PAVEMENT MARKING EPOXY 8-INCH SOLID WHITE
④ PAVEMENT MARKING EPOXY 4-INCH DASHED WHITE (12.5' LINE, 37.5' GAP)
⑤ PAVEMENT MARKING CROSSWALK EPOXY 6-INCH WHITE
⑥ PAVEMENT MARKING STOP LINE EPOXY 24-INCH WHITE
⑦ PAVEMENT MARKING ARROWS EPOXY TYPE 2 WHITE
⑧ PAVEMENT MARKING WORDS EPOXY
⑨ PAVEMENT MARKING ARROWS BIKE LANE EPOXY
⑩ PAVEMENT MARKING WORDS BIKE LANE EPOXY
⑪ PAVEMENT MARKING EPOXY 4-INCH DOTTED WHITE (3' LINE, 12' GAP)
⑫ PAVEMENT MARKING EPOXY 6-INCH SOLID WHITE
⑬ PAVEMENT MARKING DIAGONAL EPOXY 8-INCH YELLOW
⑭ PAVEMENT MARKING CURB EPOXY YELLOW
⑮ PAVEMENT MARKING ISLAND NOSE EPOXY YELLOW
⑯ CAST IRON TRUNCATED DOMES, YELLOW



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING & SIGNING	SHEET 80	E

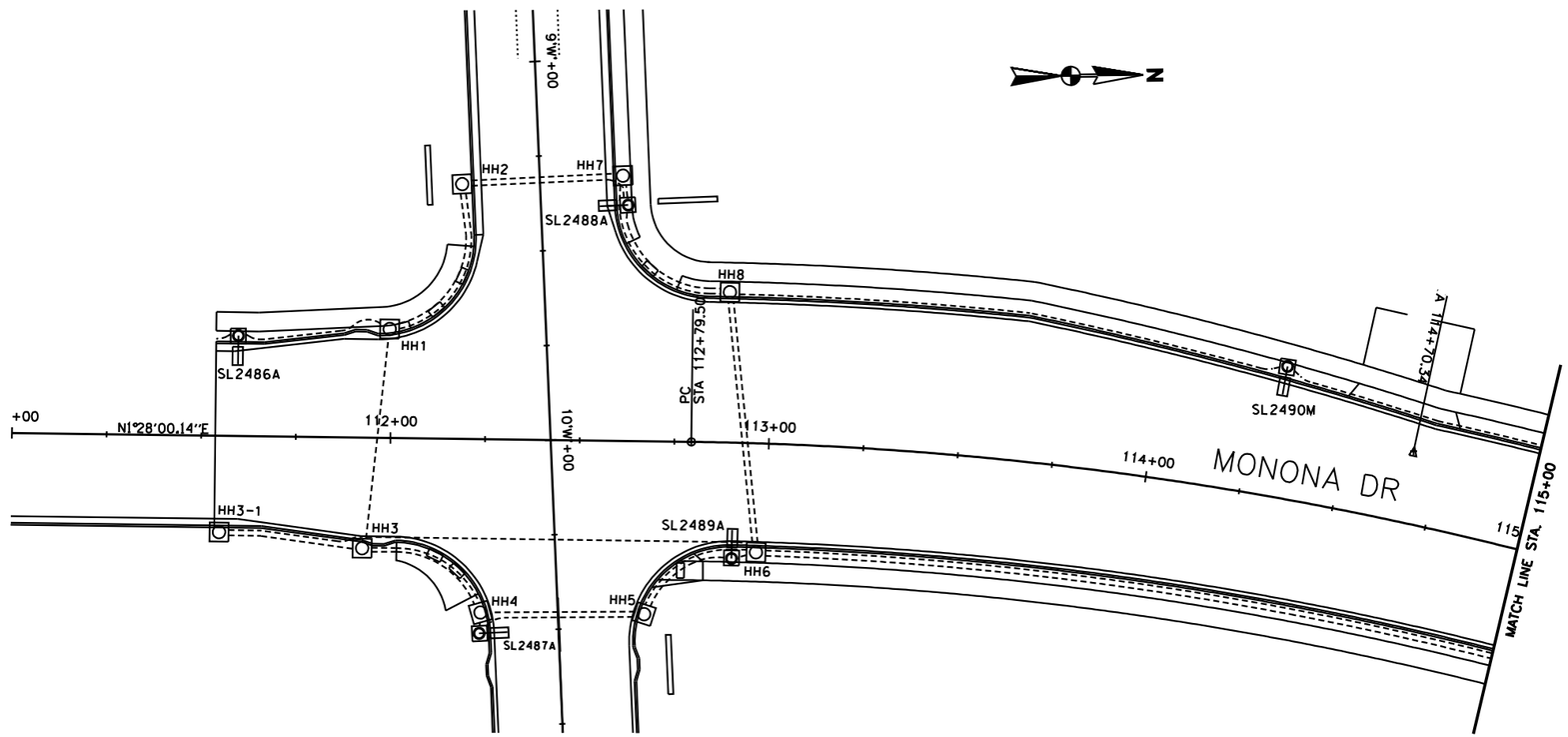


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING & SIGNING	SHEET E

FILE NAME : x:\md\le\2008\08m085\cad\plans\PMARK07.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:03:40 PM WISDOT/CADDS SHEET 30

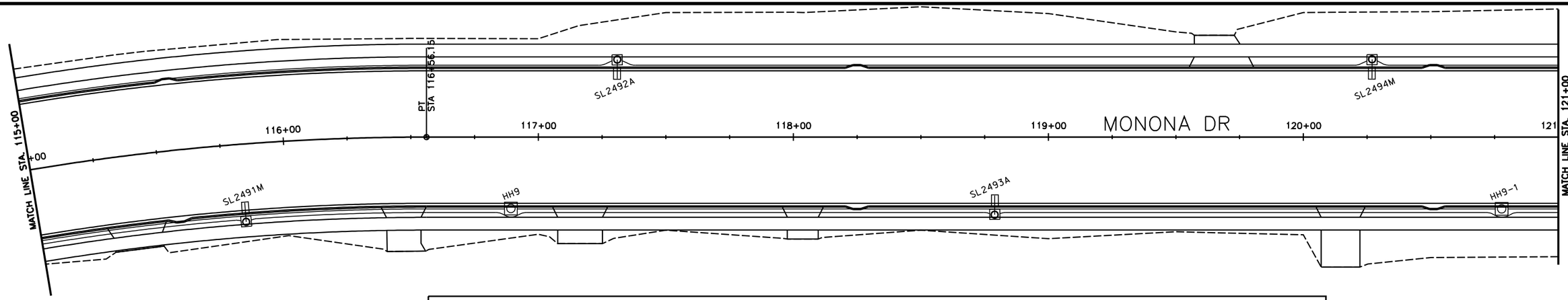
SYMBOL LIST:

- CONCRETE BASE TYPE G OR LB-8 FOR TRAFFIC SIGNALS (SEE MISCELLANEOUS QUANTITIES FOR TYPE AND LOCAT
- CONCRETE BASE TYPE LB-3 OR LB-8 FOR STREET LIGHTS (SEE MISCELLANEOUS QUANTITIES FOR TYPE AND LOCA
- CONCRETE BASE TYPE 10
- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- ELECRICAL UTILITY ACCESS STRUCTURE
- CONDUIT RIGID NONMETALLIC (SEE MISCELLANEOUS QUANTITIES FOR SCHEDULE & SIZE)
- CONCRETE BASE TYPE M OR TYPE P FOR TRAFFIC SIGNAL CONTROL CABINET BLACK AND LIGHTING CONTROL CABI (SEE MISCELANEOUS QUANTITIES FOR TYPE AND LOCATION)
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER DISPLAY
- CONDUIT LOOP DETECTOR



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CITY ELECTRIC PLAN	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\LIGHTING01_2-1.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:03:46 PM

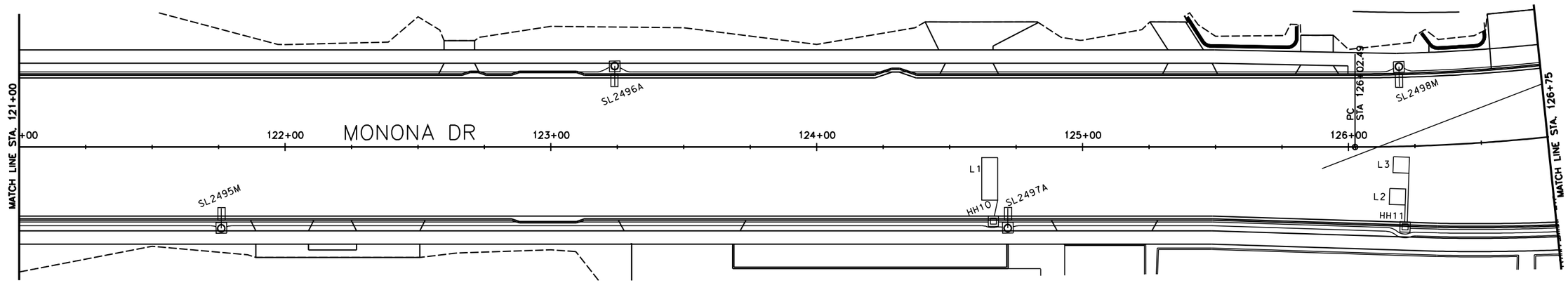




SYMBOL LIST:

- CONCRETE BASE TYPE G OR LB-8 FOR TRAFFIC SIGNALS (SEE MISCELLANEOUS QUANTITIES FOR TYPE AND LOCA
- CONCRETE BASE TYPE LB-3 OR LB-8 FOR STREET LIGHTS (SEE MISCELLANEOUS QUANTITIES FOR TYPE AND LOC
- CONCRETE BASE TYPE 10
- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- ELECRICAL UTILITY ACCESS STRUCTURE
- CONDUIT RIGID NONMETALLIC (SEE MISCELLANEOUS QUANTITIES FOR SCHEDULE & SIZE)
- CONCRETE BASE TYPE M OR TYPE P FOR TRAFFIC SIGNAL CONTROL CABINET BLACK AND LIGHTING CONTROL CAB (SEE MISCELANEOUS QUANTITIES FOR TYPE AND LOCATION)
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER DISPLAY
- CONDUIT LOOP DETECTOR

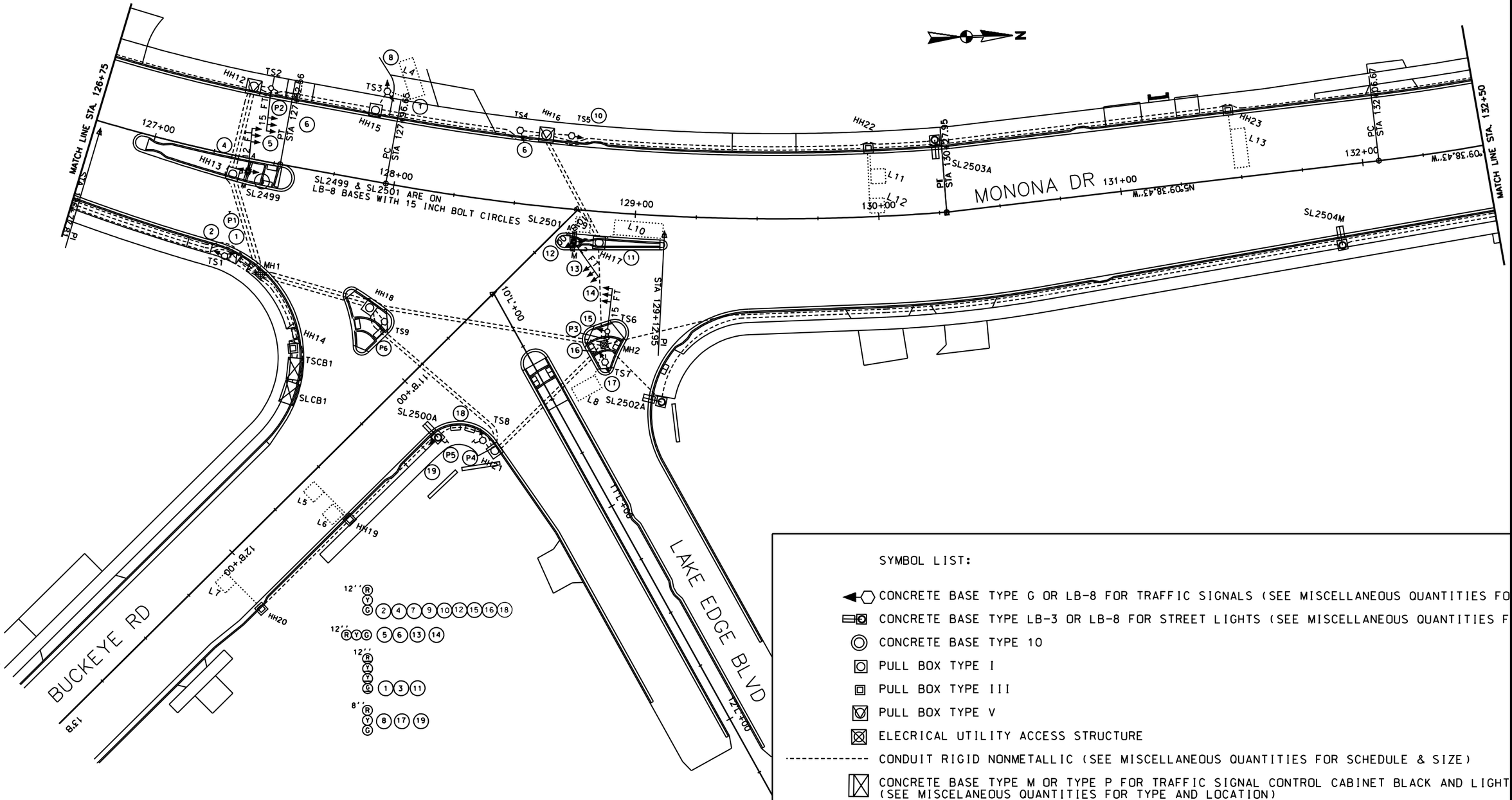




PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CITY ELECTRIC PLAN	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\LIGHTING01_2-2.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:03:50 PM

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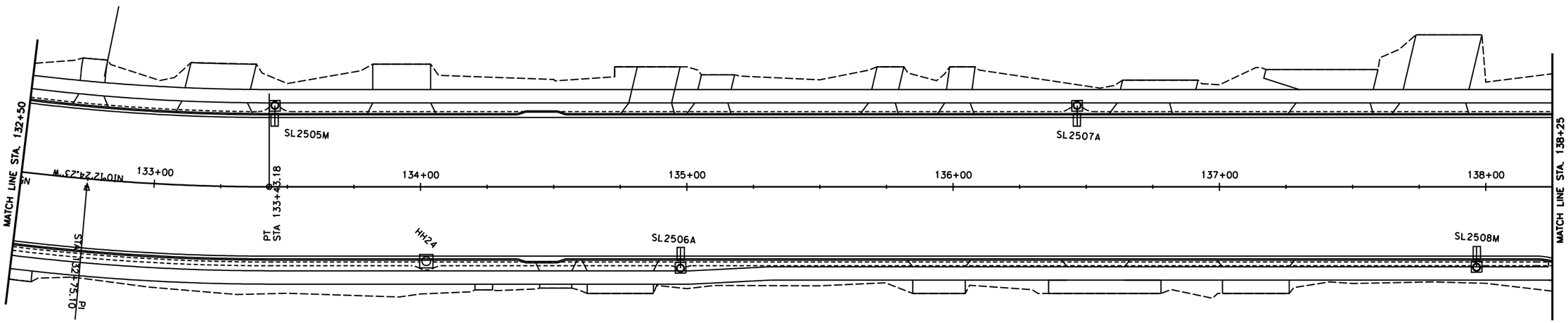


SYMBOL LIST:

- CONCRETE BASE TYPE G OR LB-8 FOR TRAFFIC SIGNALS (SEE MISCELLANEOUS QUANTITIES FO
- CONCRETE BASE TYPE LB-3 OR LB-8 FOR STREET LIGHTS (SEE MISCELLANEOUS QUANTITIES F
- CONCRETE BASE TYPE 10
- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- ELECRICAL UTILITY ACCESS STRUCTURE
- CONDUIT RIGID NONMETALLIC (SEE MISCELLANEOUS QUANTITIES FOR SCHEDULE & SIZE)
- CONCRETE BASE TYPE M OR TYPE P FOR TRAFFIC SIGNAL CONTROL CABINET BLACK AND LIGHT (SEE MISCELANEOUS QUANTITIES FOR TYPE AND LOCATION)
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER DISPLAY
- CONDUIT LOOP DETECTOR

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CITY ELECTRIC PLAN	SHEET 84	E

2



SYMBOL LIST:

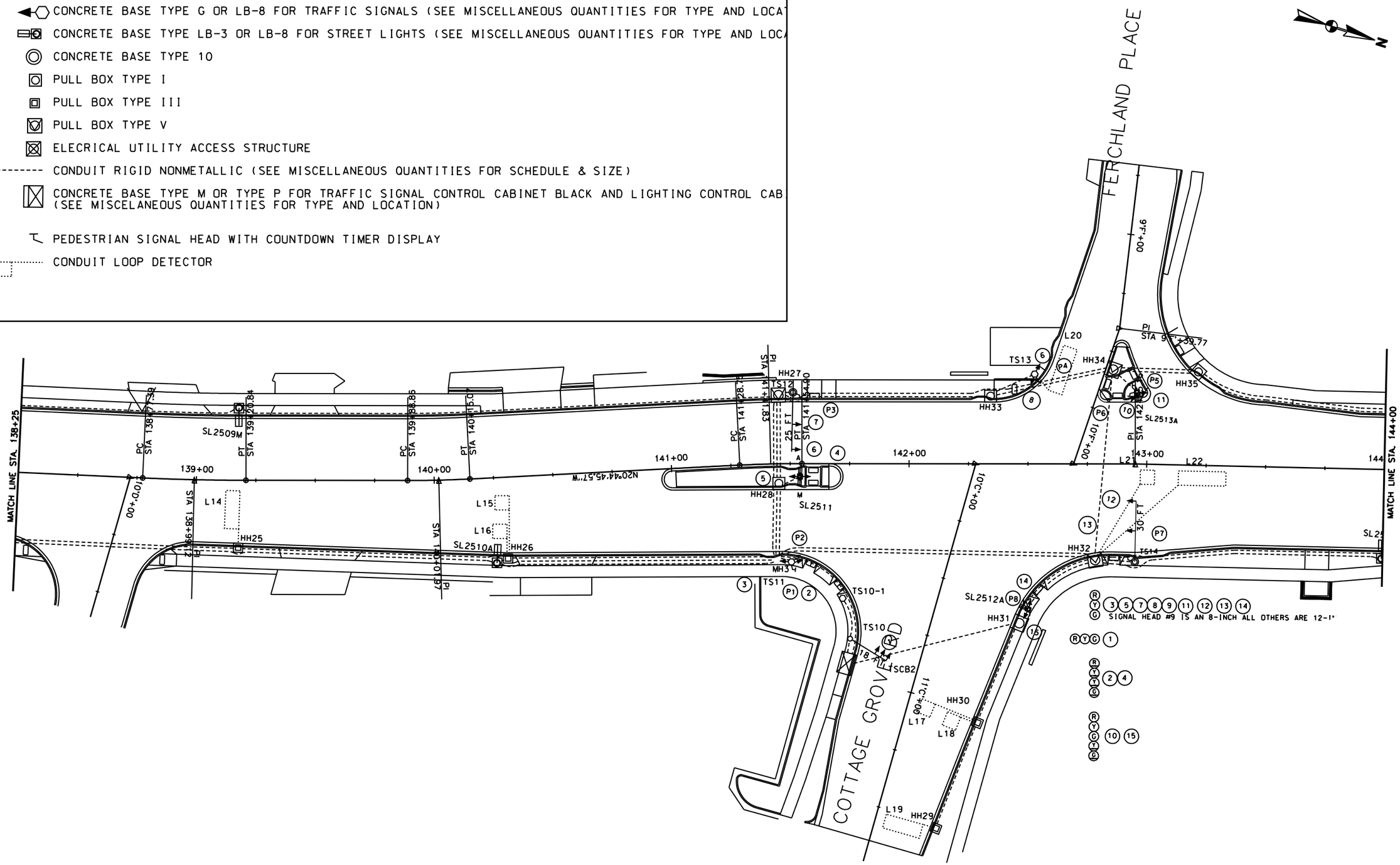
- CONCRETE BASE TYPE G OR LB-8 FOR TRAFFIC SIGNALS (SEE MISCELLANEOUS QUANTITIES FO
- CONCRETE BASE TYPE LB-3 OR LB-8 FOR STREET LIGHTS (SEE MISCELLANEOUS QUANTITIES F
- CONCRETE BASE TYPE 10
- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- ELECRICAL UTILITY ACCESS STRUCTURE
- CONDUIT RIGID NONMETALLIC (SEE MISCELLANEOUS QUANTITIES FOR SCHEDULE & SIZE)
- CONCRETE BASE TYPE M OR TYPE P FOR TRAFFIC SIGNAL CONTROL CABINET BLACK AND LIGHT (SEE MISCELANEOUS QUANTITIES FOR TYPE AND LOCATION)
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER DISPLAY
- CONDUIT LOOP DETECTOR

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CITY ELECTRIC PLAN	SHEET 85	E

2

SYMBOL LIST:

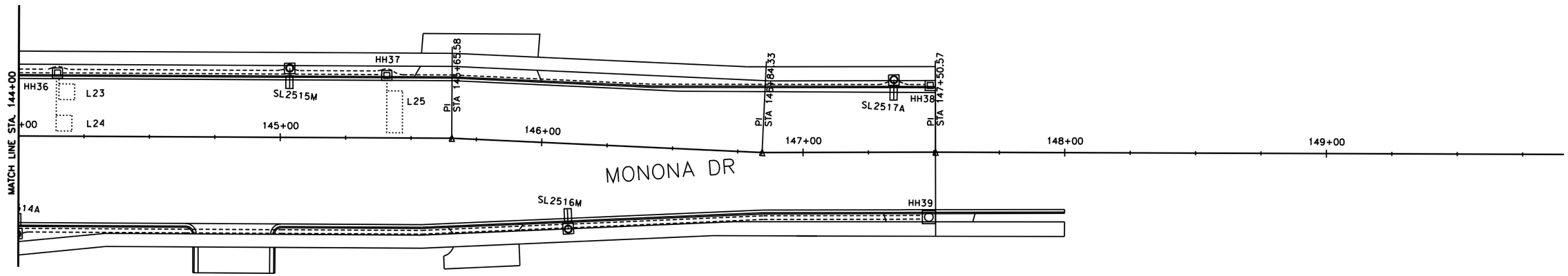
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- CONCRETE BASE TYPE LB-3 OR LB-8 FOR STREET LIGHTS (SEE MISCELLANEOUS QUANTITIES FOR TYPE AND LOCA
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- CONCRETE BASE TYPE M OR TYPE P FOR TRAFFIC SIGNAL CONTROL CABINET BLACK AND LIGHTING CONTROL CAB (SEE MISCELANEOUS QUANTITIES FOR TYPE AND LOCATION)
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER DISPLAY
- CONDUIT LOOP DETECTOR



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CITY ELECTRIC PLAN	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\LIGHTING01_2-5.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:04:00 PM WISDOT/CADDS SHEET 30

2



SYMBOL LIST:

- CONCRETE BASE TYPE G OR LB-8 FOR TRAFFIC SIGNALS (SEE MISCELLANEOUS QUANTITIES FOR TYPE AND LOCAT
- CONCRETE BASE TYPE LB-3 OR LB-8 FOR STREET LIGHTS (SEE MISCELLANEOUS QUANTITIES FOR TYPE AND LOCA
- CONCRETE BASE TYPE 10
- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- ELECRICAL UTILITY ACCESS STRUCTURE
- CONDUIT RIGID NONMETALLIC (SEE MISCELLANEOUS QUANTITIES FOR SCHEDULE & SIZE)
- CONCRETE BASE TYPE M OR TYPE P FOR TRAFFIC SIGNAL CONTROL CABINET BLACK AND LIGHTING CONTROL CABI (SEE MISCELANEOUS QUANTITIES FOR TYPE AND LOCATION)
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER DISPLAY
- CONDUIT LOOP DETECTOR

2

LEGEND

- TEMPORARY SKID FOR TRAFFIC SIGNAL
- TEMPORARY WOOD POLE FOR OVERHEAD ELECTRIC
- 400W HPS FULL CUTOFF FIXTURE ON 10' ARM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL CABINET
- OVERHEAD CABLE
- VEHICLE DETECTION TARGET AREA (6' X 20') UNLESS OTHERWISE NOTED
- TEMPORARY PEDESTRIAN SIGNAL HEAD
- PB — TEMPORARY PEDESTRIAN PUSH BUTTON

R 1,2,3,5,6
Y 7,8,9,10,11,12
G 13

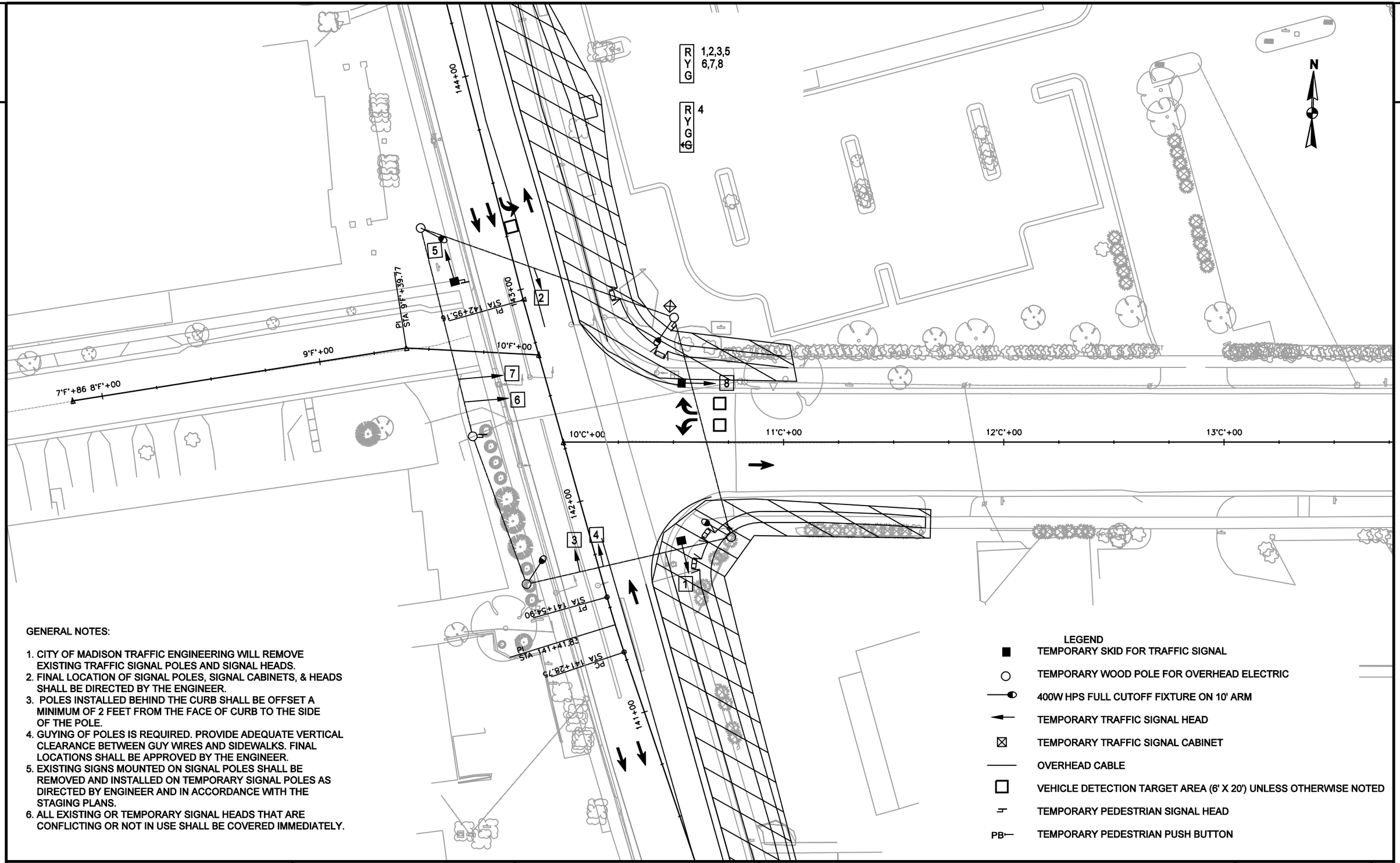
R
Y
G 4
G

10'B'+00
11'B'+00
12'B'+00
13'B'+00

GENERAL NOTES:

1. CITY OF MADISON TRAFFIC ENGINEERING WILL REMOVE EXISTING TRAFFIC SIGNAL POLES AND SIGNAL HEADS.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINETS, & HEADS SHALL BE DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND THE CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE.
4. GUYING OF POLES IS REQUIRED. PROVIDE ADEQUATE VERTICAL CLEARANCE BETWEEN GUY WIRES AND SIDEWALKS. FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
5. EXISTING SIGNS MOUNTED ON SIGNAL POLES SHALL BE REMOVED AND INSTALLED ON TEMPORARY SIGNAL POLES AS DIRECTED BY ENGINEER AND IN ACCORDANCE WITH THE STAGING PLANS.
6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 88	E



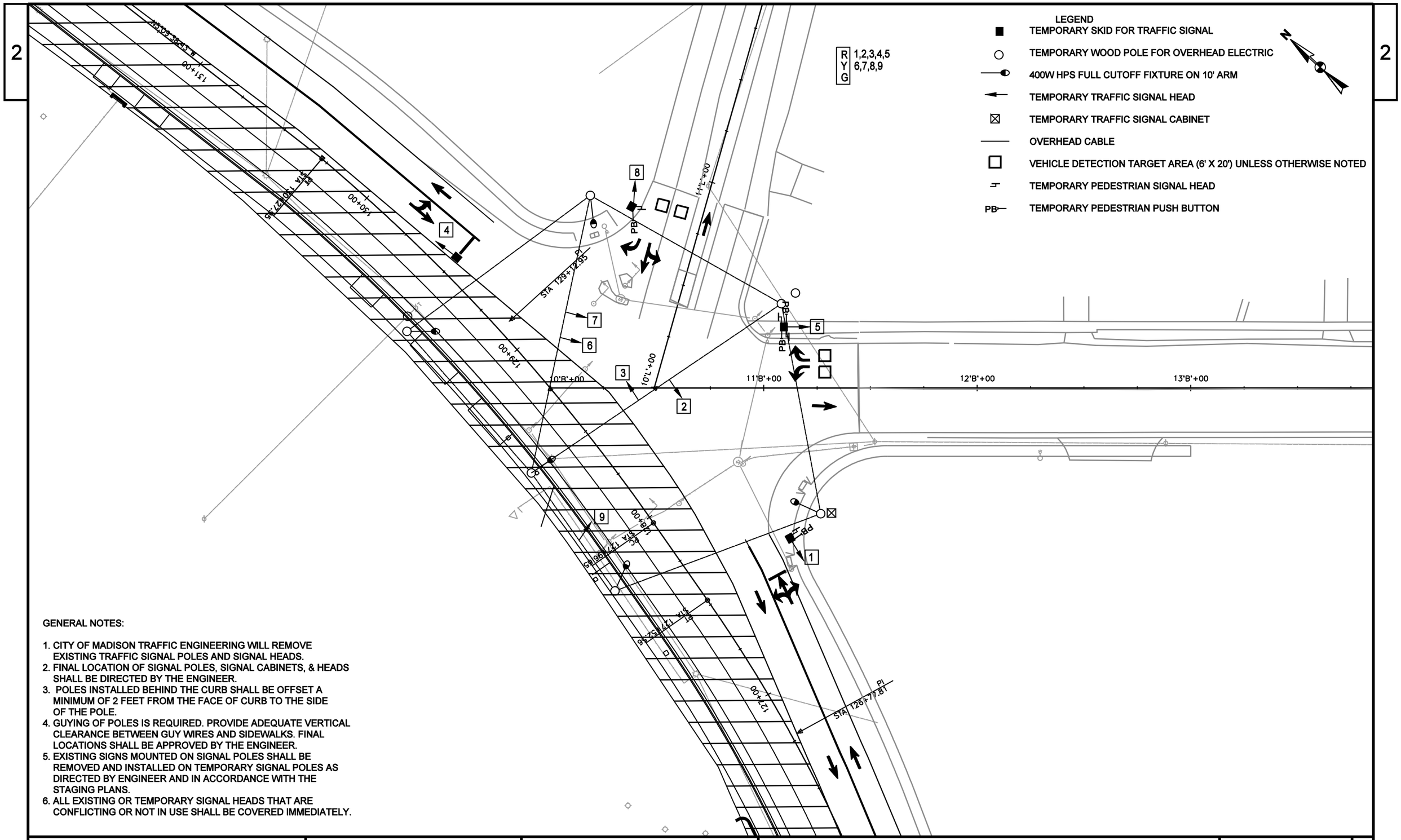
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2. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINETS, & HEADS SHALL BE DIRECTED BY THE ENGINEER.
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6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

LEGEND

- TEMPORARY SKID FOR TRAFFIC SIGNAL
- TEMPORARY WOOD POLE FOR OVERHEAD ELECTRIC
- 400W HPS FULL CUTOFF FIXTURE ON 10' ARM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL CABINET
- OVERHEAD CABLE
- VEHICLE DETECTION TARGET AREA (6' X 20') UNLESS OTHERWISE NOTED
- TEMPORARY PEDESTRIAN SIGNAL HEAD
- PB — TEMPORARY PEDESTRIAN PUSH BUTTON

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1	SHEET 89	E

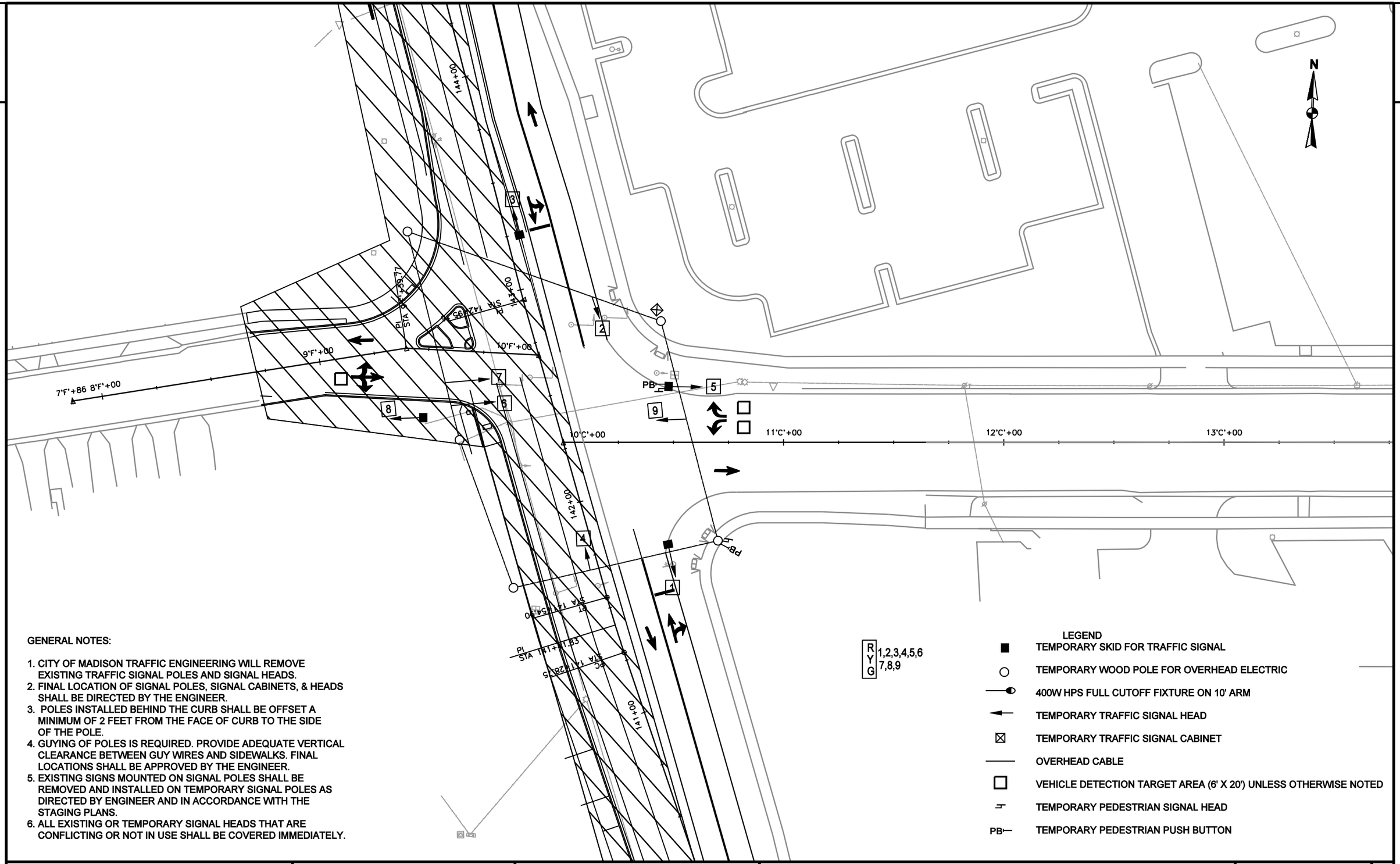


GENERAL NOTES:

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2. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINETS, & HEADS SHALL BE DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND THE CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE.
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6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TEMPSIGNALSB2.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:04:13 PM



GENERAL NOTES:

1. CITY OF MADISON TRAFFIC ENGINEERING WILL REMOVE EXISTING TRAFFIC SIGNAL POLES AND SIGNAL HEADS.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINETS, & HEADS SHALL BE DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND THE CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE.
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5. EXISTING SIGNS MOUNTED ON SIGNAL POLES SHALL BE REMOVED AND INSTALLED ON TEMPORARY SIGNAL POLES AS DIRECTED BY ENGINEER AND IN ACCORDANCE WITH THE STAGING PLANS.
6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

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

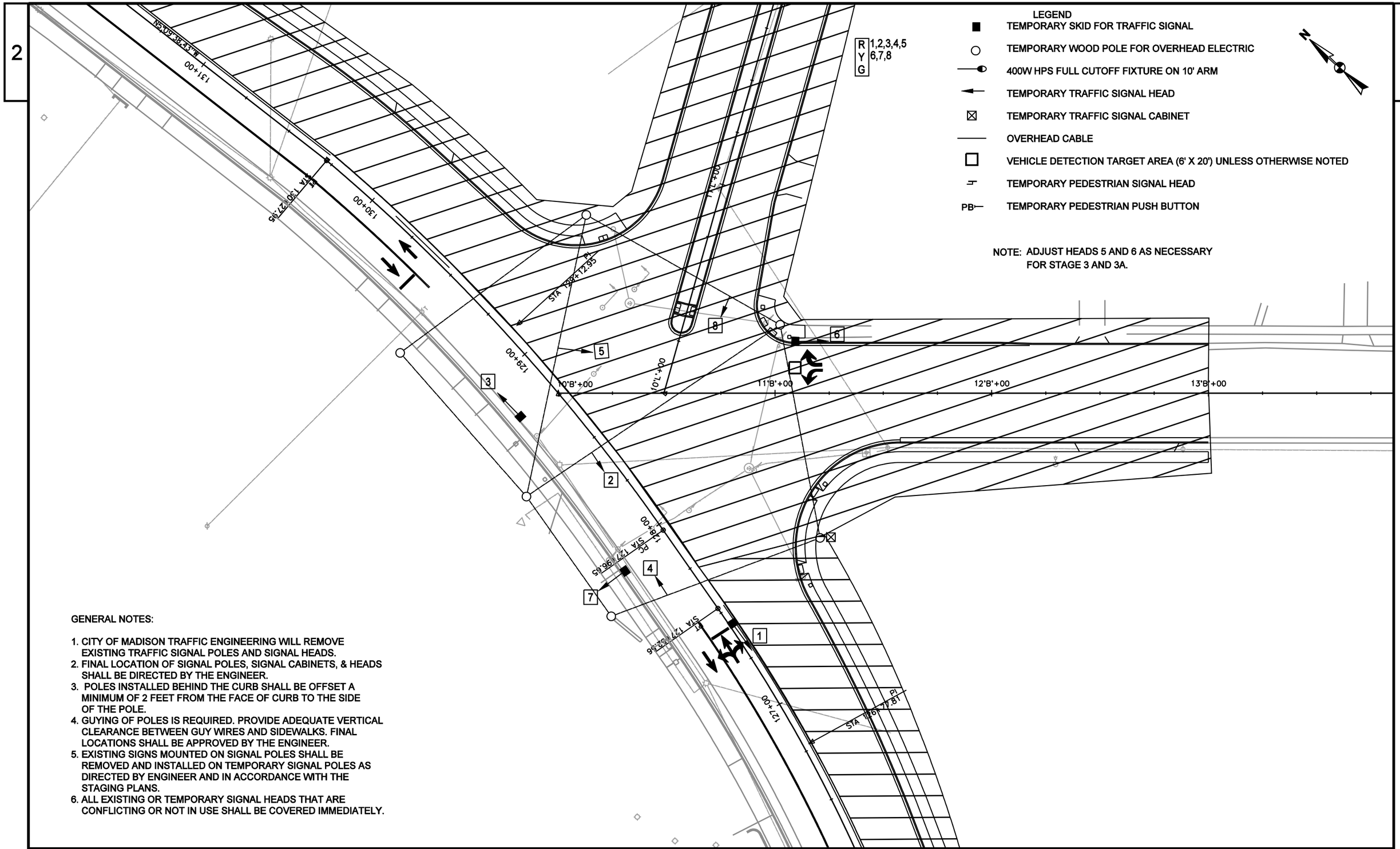
LEGEND

- TEMPORARY SKID FOR TRAFFIC SIGNAL
- TEMPORARY WOOD POLE FOR OVERHEAD ELECTRIC
- 400W HPS FULL CUTOFF FIXTURE ON 10' ARM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL CABINET
- OVERHEAD CABLE
- VEHICLE DETECTION TARGET AREA (6' X 20') UNLESS OTHERWISE NOTED
- TEMPORARY PEDESTRIAN SIGNAL HEAD
- PB TEMPORARY PEDESTRIAN PUSH BUTTON

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2	SHEET E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TEMPSIGNALSC2.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:04:32 PM

WISDOT/CADDS SHEET 30



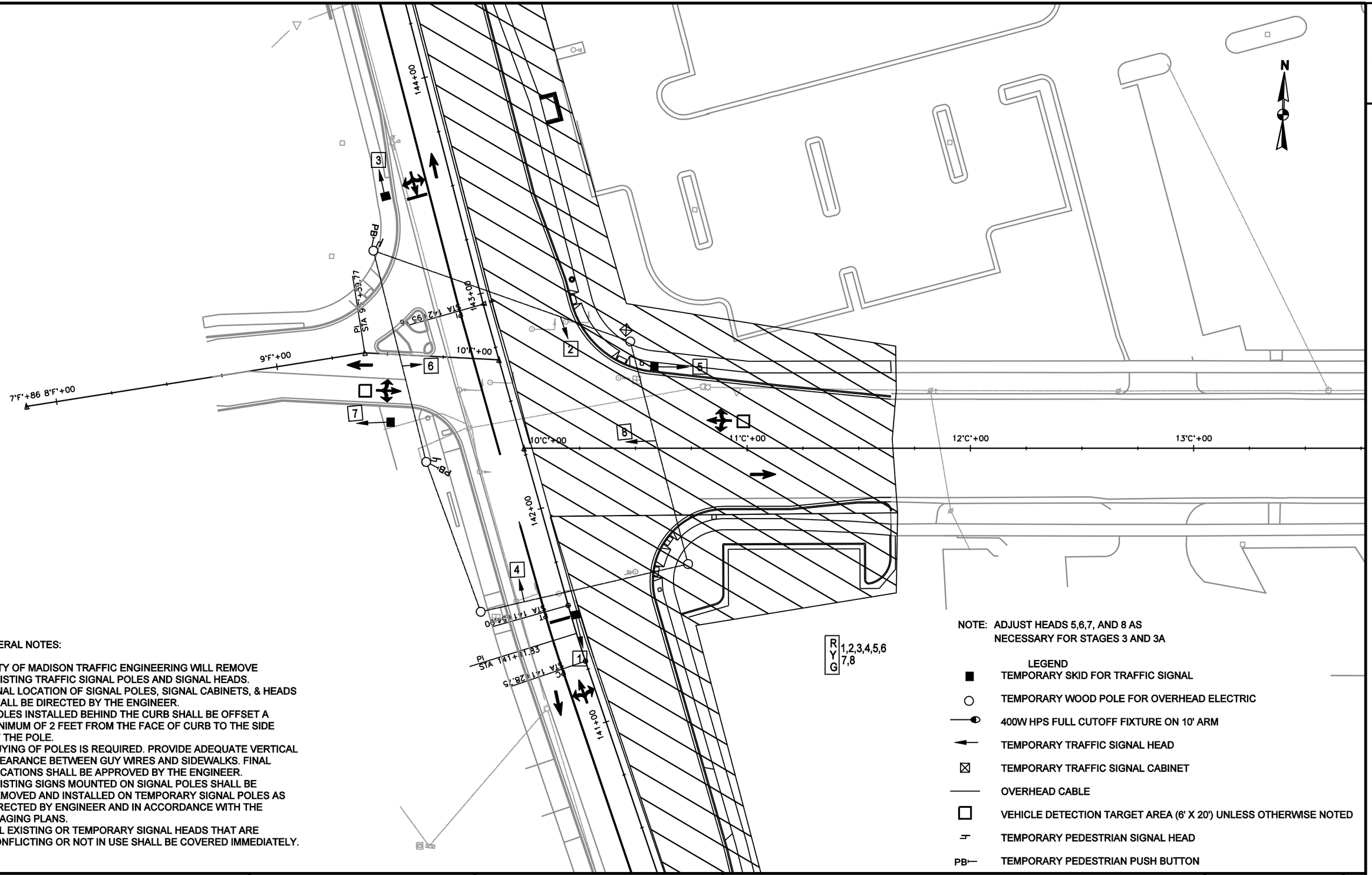
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6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 AND 3A	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TEMPSIGNALSB3.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:04:18 PM

2



GENERAL NOTES:

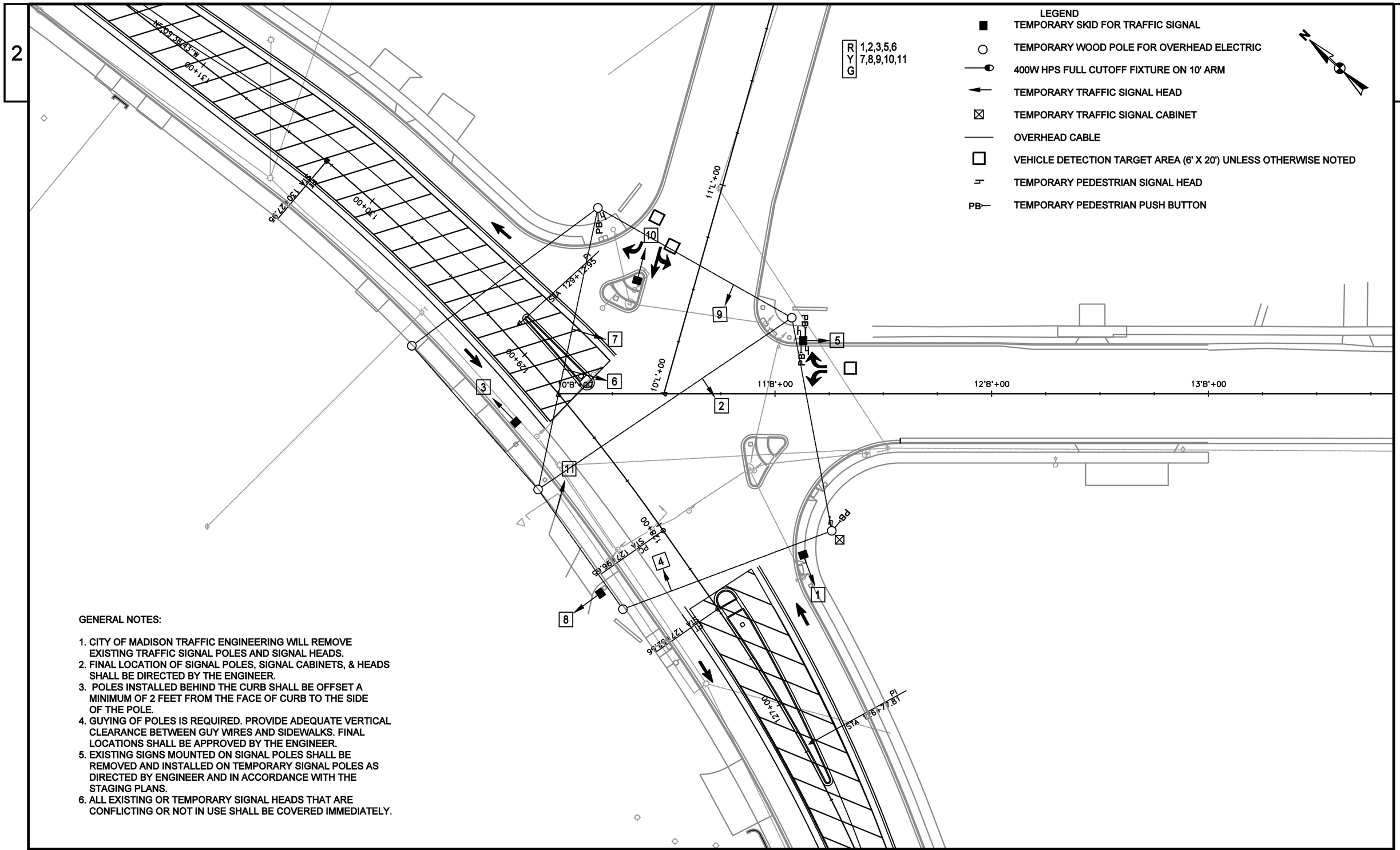
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5. EXISTING SIGNS MOUNTED ON SIGNAL POLES SHALL BE REMOVED AND INSTALLED ON TEMPORARY SIGNAL POLES AS DIRECTED BY ENGINEER AND IN ACCORDANCE WITH THE STAGING PLANS.
6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

NOTE: ADJUST HEADS 5,6,7, AND 8 AS NECESSARY FOR STAGES 3 AND 3A

LEGEND

- TEMPORARY SKID FOR TRAFFIC SIGNAL
- TEMPORARY WOOD POLE FOR OVERHEAD ELECTRIC
- 400W HPS FULL CUTOFF FIXTURE ON 10' ARM
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL CABINET
- OVERHEAD CABLE
- VEHICLE DETECTION TARGET AREA (6' X 20') UNLESS OTHERWISE NOTED
- TEMPORARY PEDESTRIAN SIGNAL HEAD
- PB — TEMPORARY PEDESTRIAN PUSH BUTTON

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3 AND 3A	SHEET 93	E



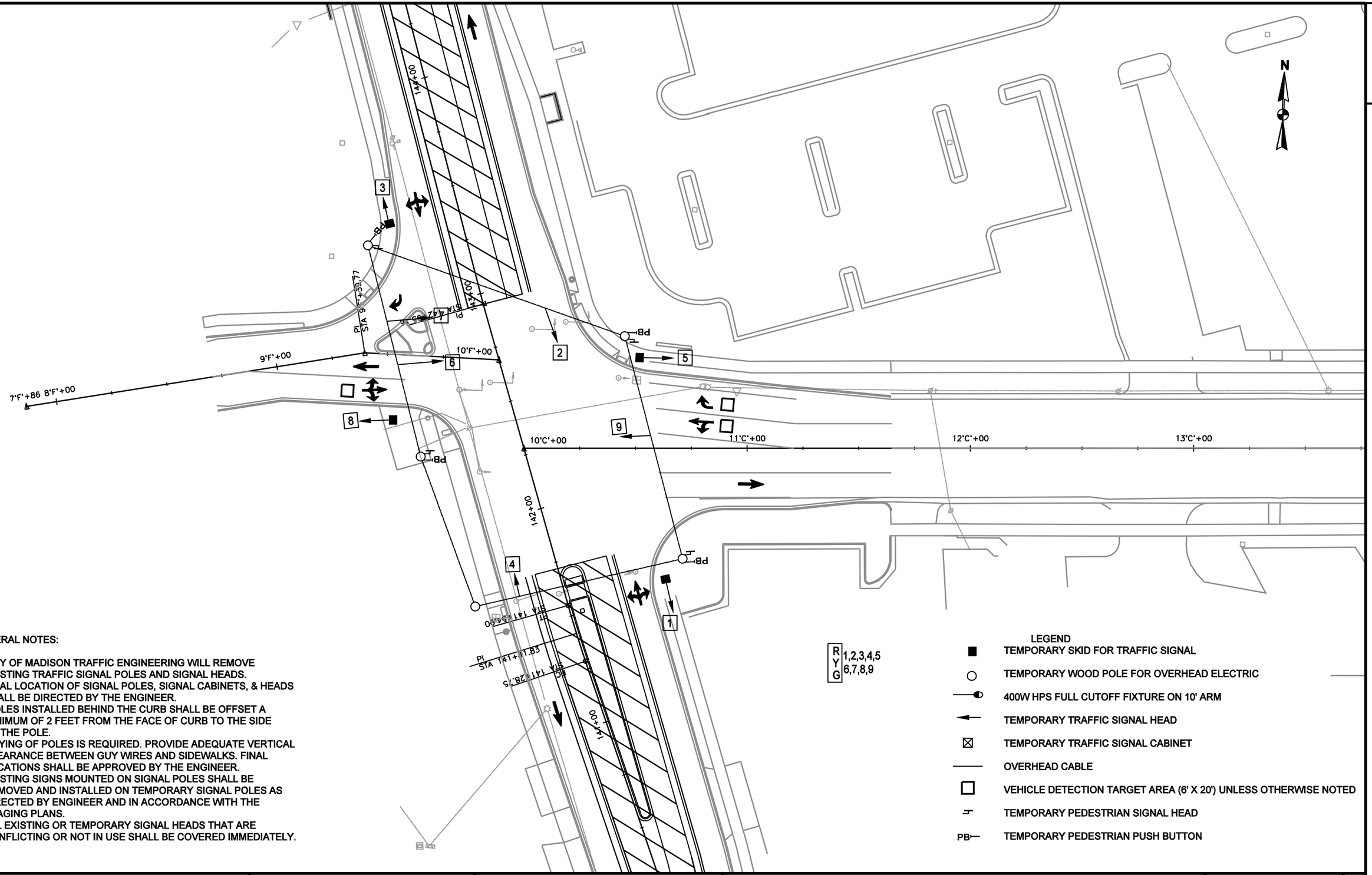
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2. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINETS, & HEADS SHALL BE DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND THE CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE.
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5. EXISTING SIGNS MOUNTED ON SIGNAL POLES SHALL BE REMOVED AND INSTALLED ON TEMPORARY SIGNAL POLES AS DIRECTED BY ENGINEER AND IN ACCORDANCE WITH THE STAGING PLANS.
6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TEMPSIGNALSB4.dgn PLOT BY : cas1 PLOT DATE : 12/9/2011 PLOT TIME : 12:04:23 PM

2

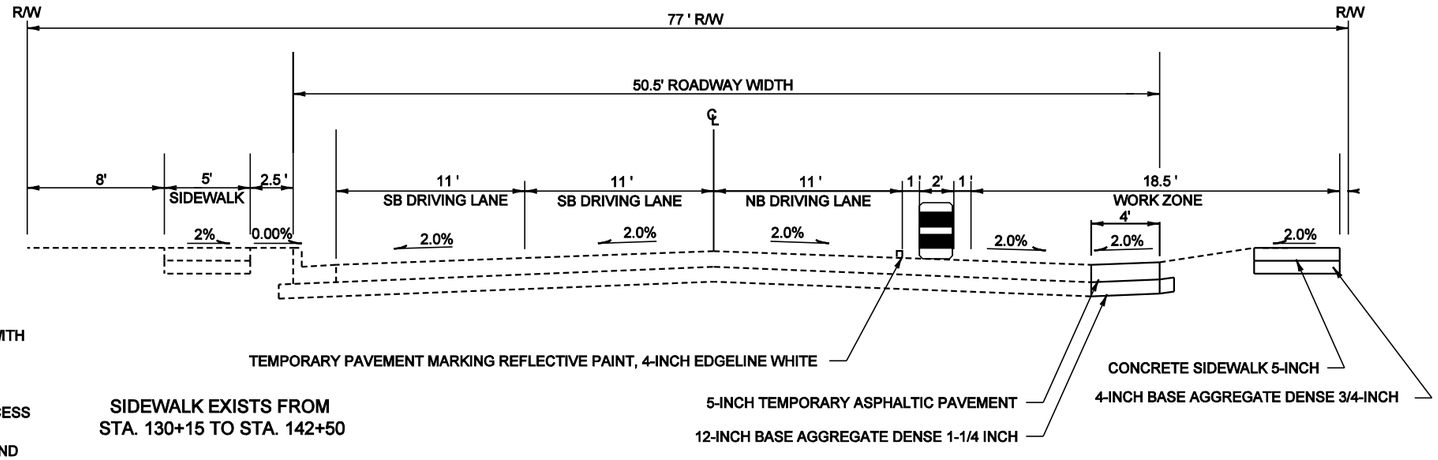


GENERAL NOTES:

1. CITY OF MADISON TRAFFIC ENGINEERING WILL REMOVE EXISTING TRAFFIC SIGNAL POLES AND SIGNAL HEADS.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINETS, & HEADS SHALL BE DIRECTED BY THE ENGINEER.
3. POLES INSTALLED BEHIND THE CURB SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE.
4. GUYING OF POLES IS REQUIRED. PROVIDE ADEQUATE VERTICAL CLEARANCE BETWEEN GUY WIRES AND SIDEWALKS. FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
5. EXISTING SIGNS MOUNTED ON SIGNAL POLES SHALL BE REMOVED AND INSTALLED ON TEMPORARY SIGNAL POLES AS DIRECTED BY ENGINEER AND IN ACCORDANCE WITH THE STAGING PLANS.
6. ALL EXISTING OR TEMPORARY SIGNAL HEADS THAT ARE CONFLICTING OR NOT IN USE SHALL BE COVERED IMMEDIATELY.

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4	SHEET 95	E

2



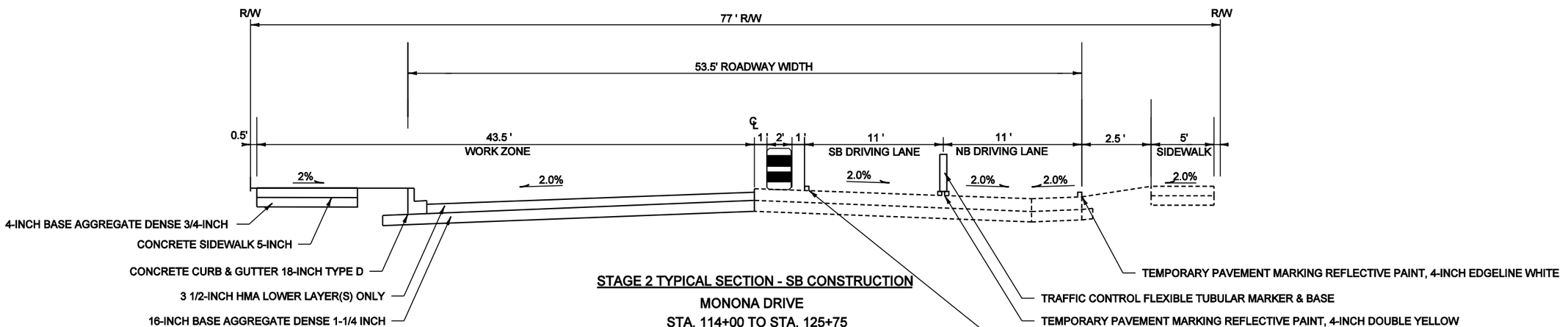
SIDEWALK EXISTS FROM
STA. 130+15 TO STA. 142+50

GENERAL NOTES:

1. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, BARRICADES, AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS, CONSTRUCTION STAGING, AND LOCAL PROPERTY ACCESS NEEDS, OR AS DETERMINED BY THE ENGINEER.
3. 'WO' SIGNS ARE THE SAME AS 'W' SIGNS EXCEPT THE BACKGROUND IS ORANGE.
4. ALL CONFLICTING SIGNS AND PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED AS DIRECTED BY THE ENGINEER.
5. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
6. TYPE III BARRICADES SHALL BE 8' MINIMUM LENGTH. BARRICADES SHALL EXTEND COMPLETELY ACROSS STREET FROM CURB TO CURB.
7. INSTALL FLAT GRATES ON EXISTING OR NEW STORM SEWER INLET CASTINGS TO ACCOMODATE TEMPORARY PAVEMENT AS NEEDED. REPLACE FLAT GRATES WITH NORMAL CURB BOX AND GRATE AFTER REMOVING TEMPORARY PAVEMENT AND BEFORE PLACING CURB & GUTTER.

STAGE 1 TYPICAL SECTION - TEMPORARY PAVEMENT WIDENING

MONONA DRIVE
STA. 114+00 TO STA. 125+75
STA. 130+15 TO STA. 142+50



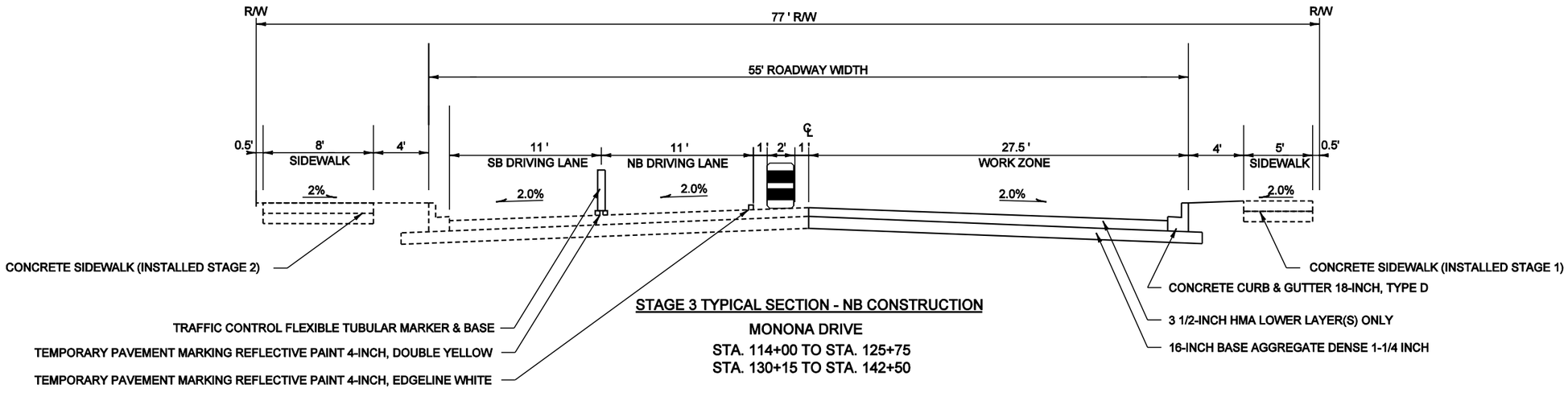
STAGE 2 TYPICAL SECTION - SB CONSTRUCTION

MONONA DRIVE
STA. 114+00 TO STA. 125+75
STA. 130+15 TO STA. 142+50

*REMOVE EXISTING PAVEMENT MARKING ON NORTHBOUND LANES

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL TYPICAL SECTION	SHEET 96	E

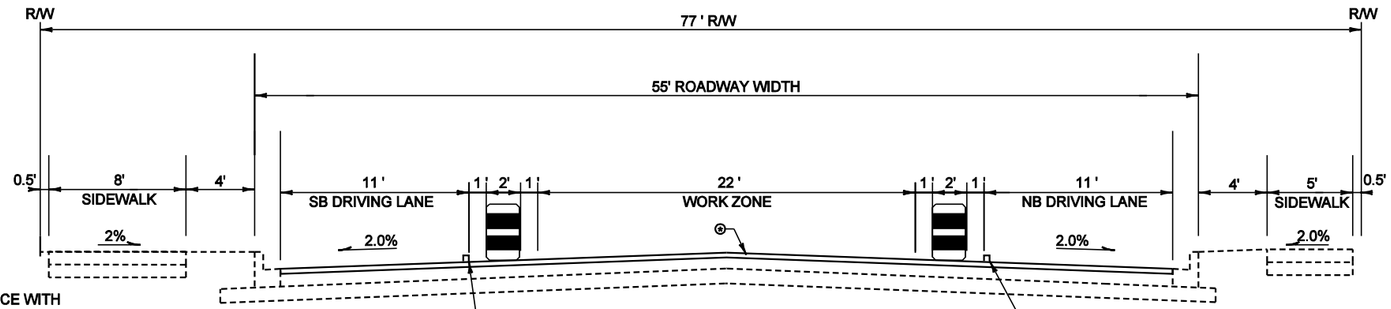
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STAGE 3 TYPICAL SECTION - NB CONSTRUCTION

MONONA DRIVE

STA. 114+00 TO STA. 125+75
STA. 130+15 TO STA. 142+50



STAGE 4 TYPICAL SECTION - TURN LANE CONSTRUCTION

MONONA DRIVE

STA. 114+00 TO STA. 125+75
STA. 130+15 TO STA. 142+50

*PLACE FINAL 2-INCH LAYER HMA ON WHOLE PROJECT AND INSTALL PERMANENT PAVEMENT MARKING

GENERAL NOTES:

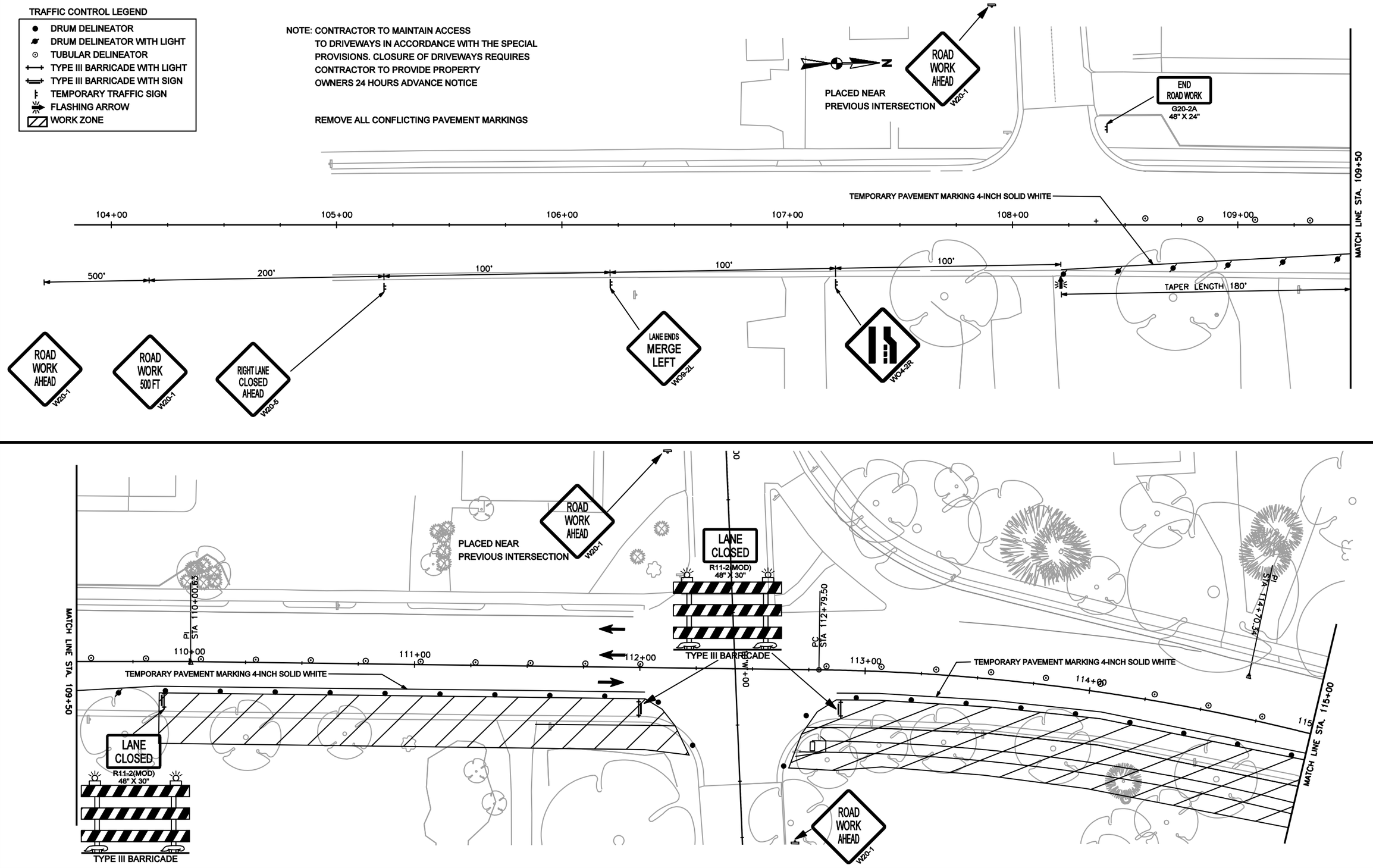
1. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, BARRICADES, AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS, CONSTRUCTION STAGING, AND LOCAL PROPERTY ACCESS NEEDS, OR AS DETERMINED BY THE ENGINEER.
3. 'WO' SIGNS ARE THE SAME AS 'W' SIGNS EXCEPT THE BACKGROUND IS ORANGE.
4. ALL CONFLICTING SIGNS AND PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED AS DIRECTED BY THE ENGINEER.
5. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
6. TYPE III BARRICADES SHALL BE 8' MINIMUM LENGTH. BARRICADES SHALL EXTEND COMPLETELY ACROSS STREET FROM CURB TO CURB.
7. INSTALL FLAT GRATES ON EXISTING OR NEW STORM SEWER INLET CASTINGS TO ACCOMODATE TEMPORARY PAVEMENT AS NEEDED. REPLACE FLAT GRATES WITH NORMAL CURB BOX AND GRATE AFTER REMOVING TEMPORARY PAVEMENT AND BEFORE PLACING CURB & GUTTER.

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 98	E

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW

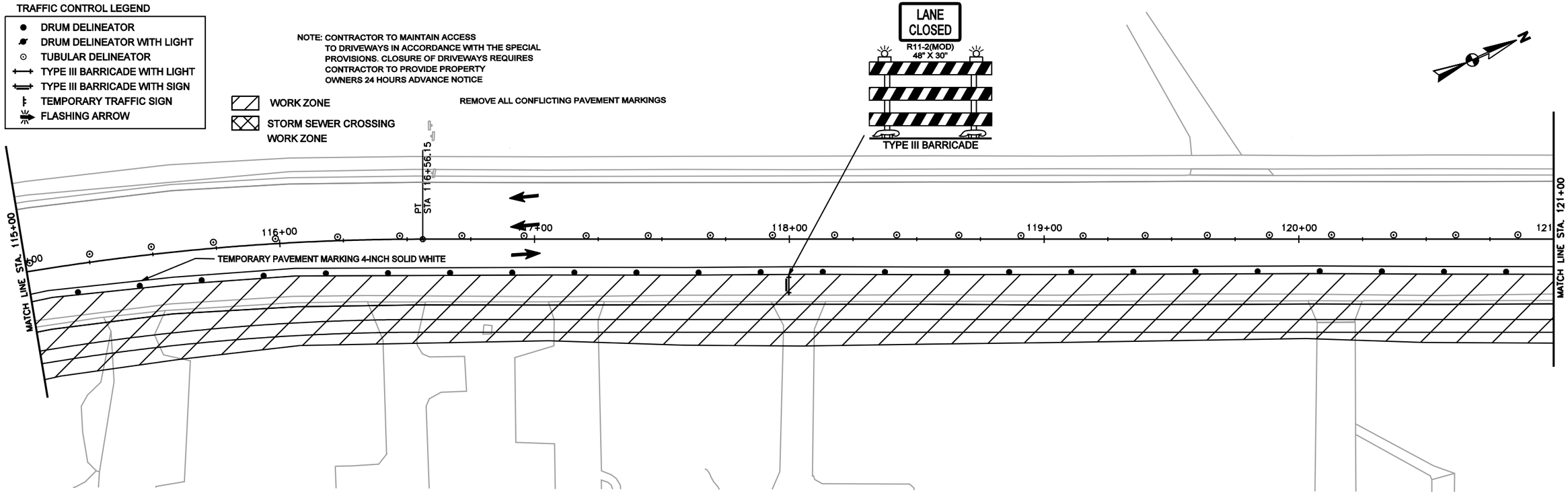
NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCE NOTICE

WORK ZONE

STORM SEWER CROSSING WORK ZONE

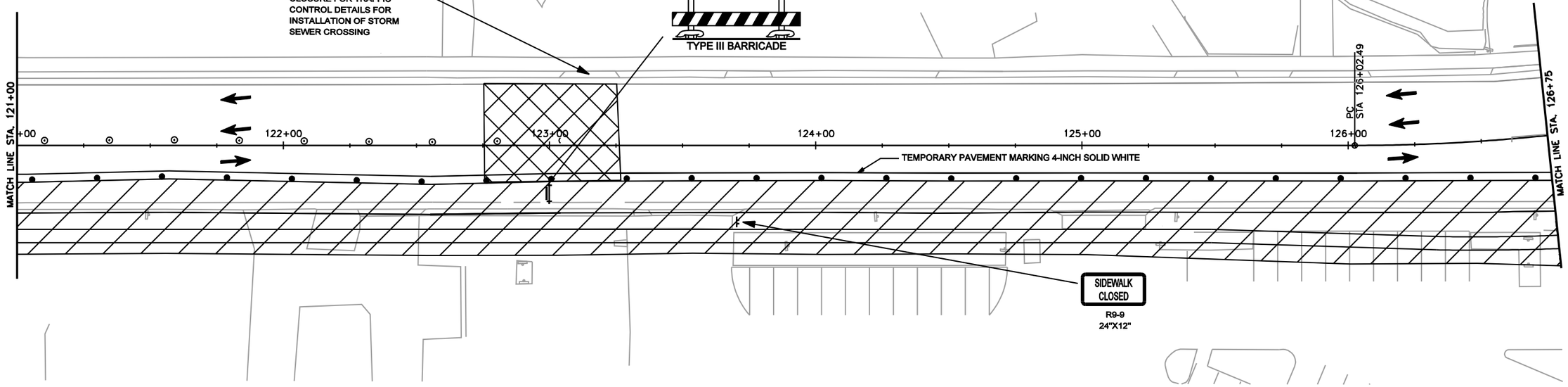
REMOVE ALL CONFLICTING PAVEMENT MARKINGS

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



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

SEE STAGE 1A MAINLINE CLOSURE FOR TRAFFIC CONTROL DETAILS FOR INSTALLATION OF STORM SEWER CROSSING

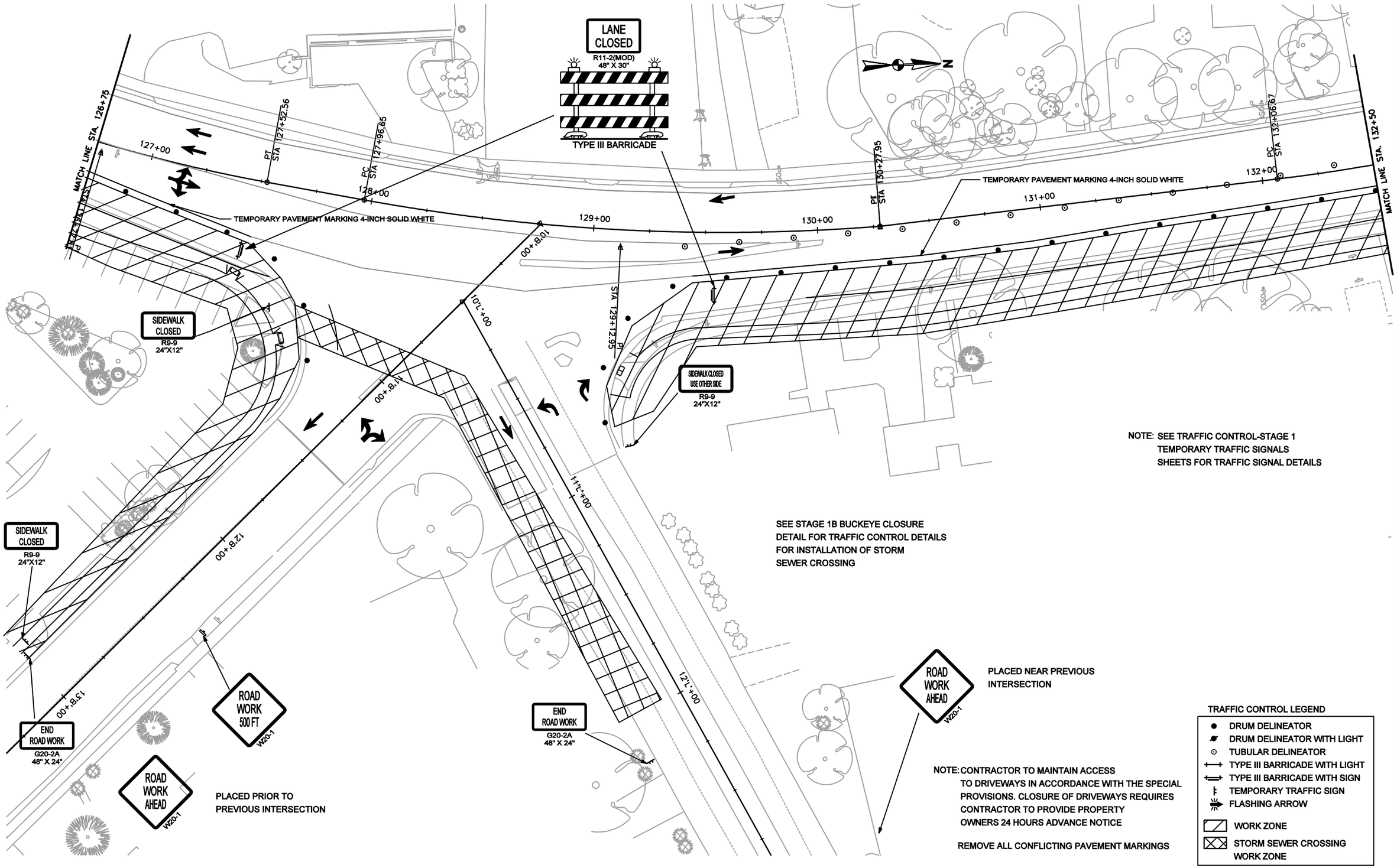


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 99 E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF02.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:43:20 PM

WISDOT/CADDS SHEET 30

2



PLACED PRIOR TO PREVIOUS INTERSECTION

SEE STAGE 1B BUCKEYE CLOSURE DETAIL FOR TRAFFIC CONTROL DETAILS FOR INSTALLATION OF STORM SEWER CROSSING

PLACED NEAR PREVIOUS INTERSECTION

NOTE: SEE TRAFFIC CONTROL-STAGE 1 TEMPORARY TRAFFIC SIGNALS SHEETS FOR TRAFFIC SIGNAL DETAILS

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 100	E

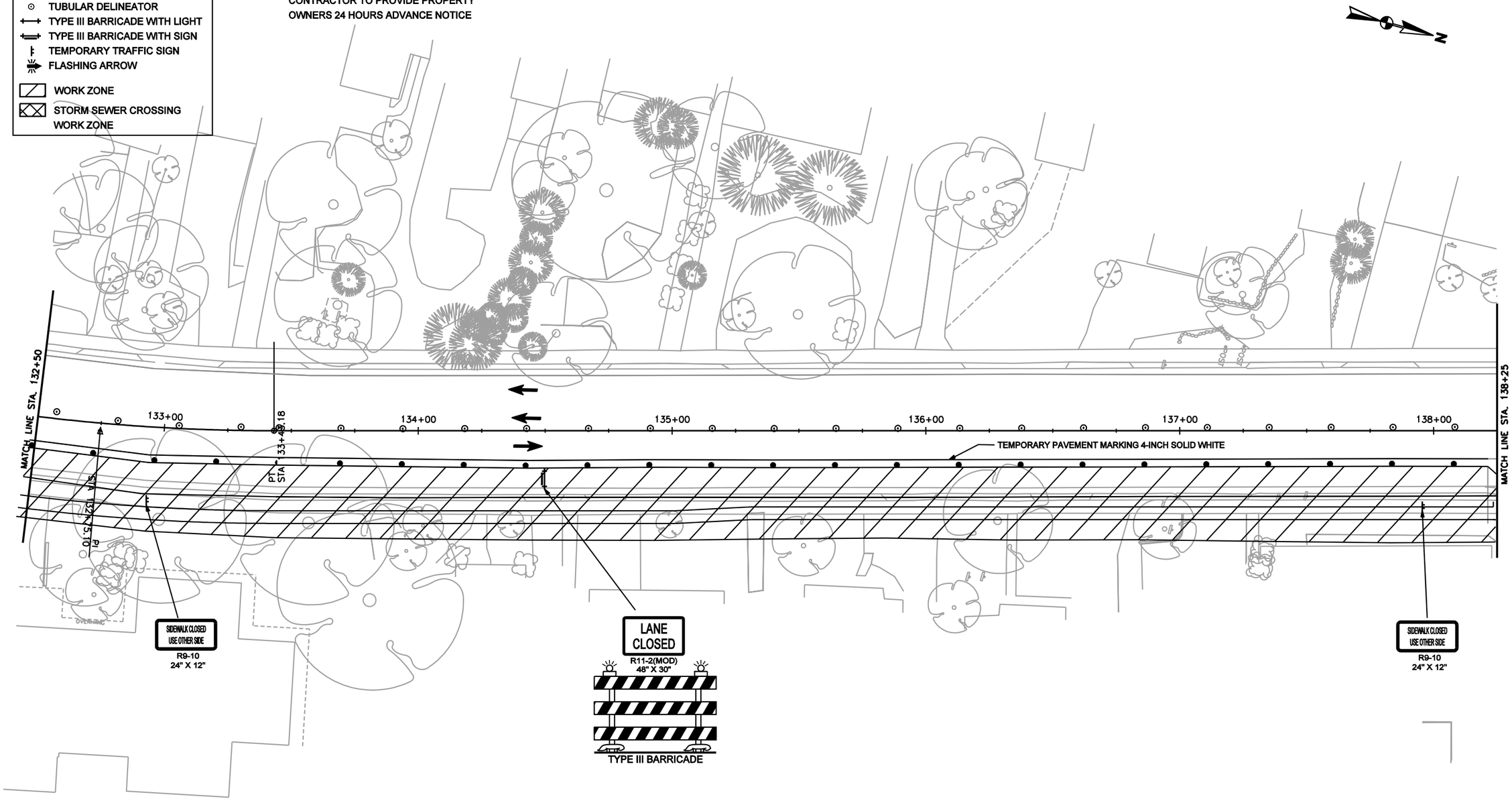
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TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF04.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:43:28 PM

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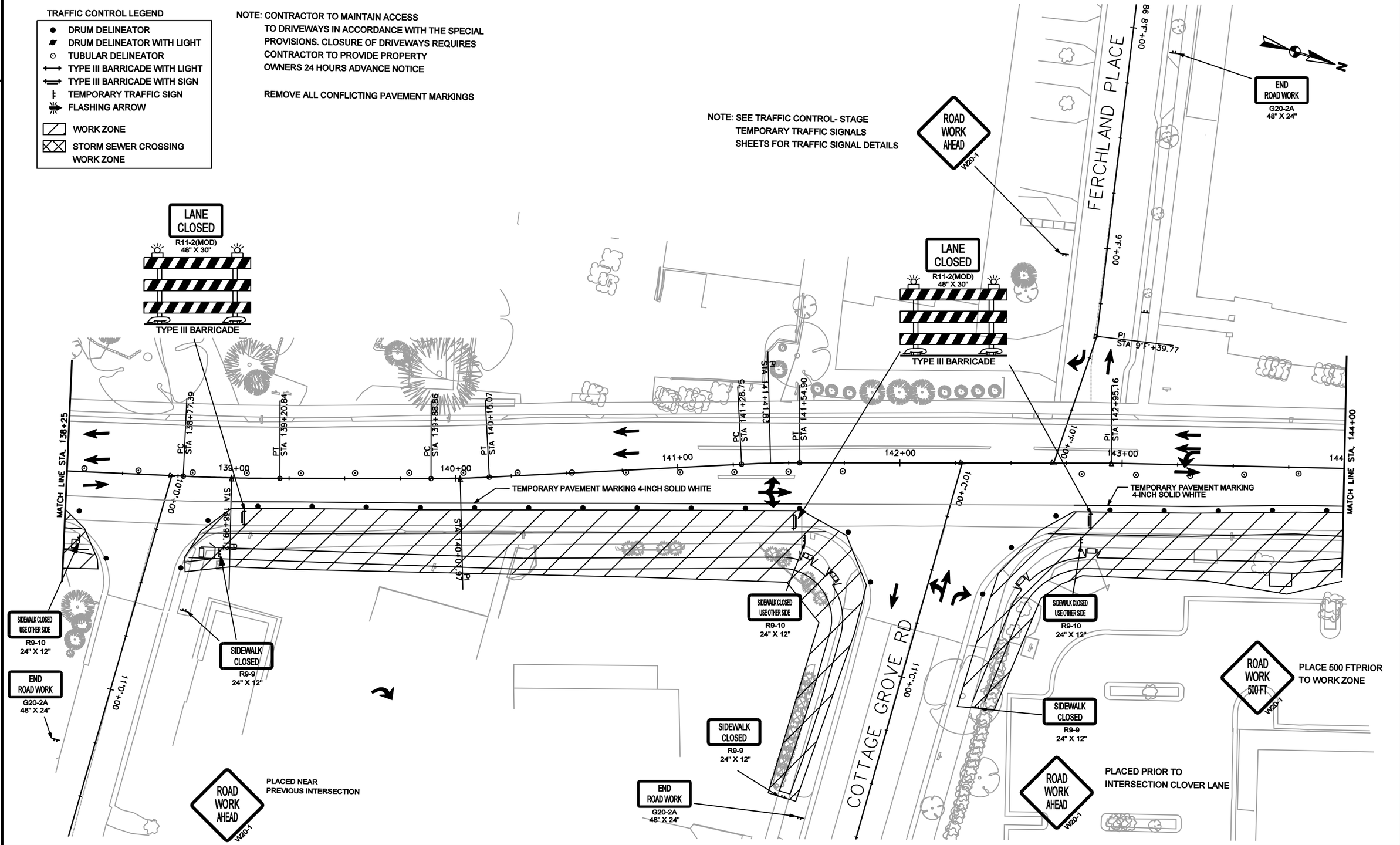
TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

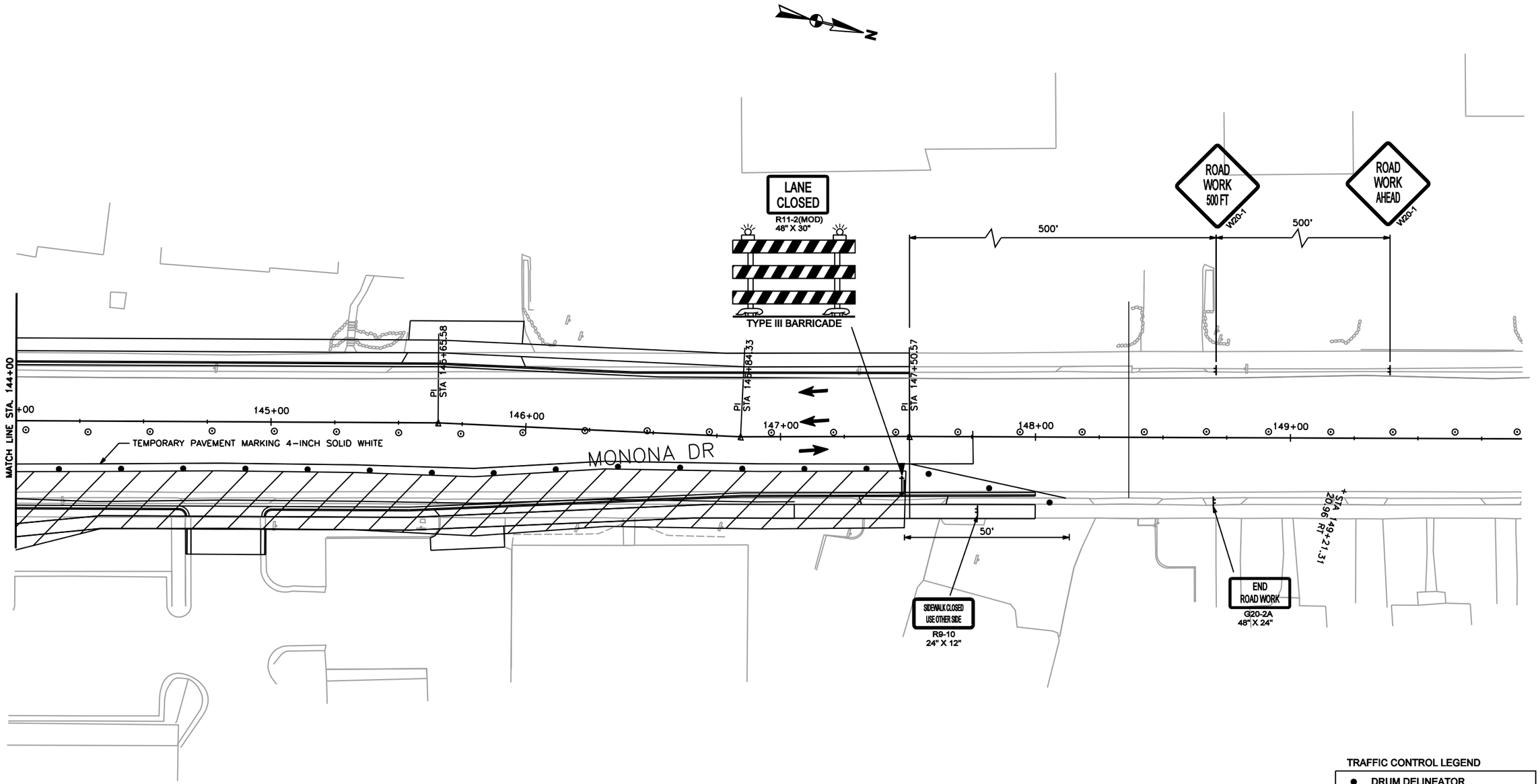
NOTE: SEE TRAFFIC CONTROL- STAGE TEMPORARY TRAFFIC SIGNALS SHEETS FOR TRAFFIC SIGNAL DETAILS



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF05.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:43:33 PM WISDOT/CADDS SHEET 30

2



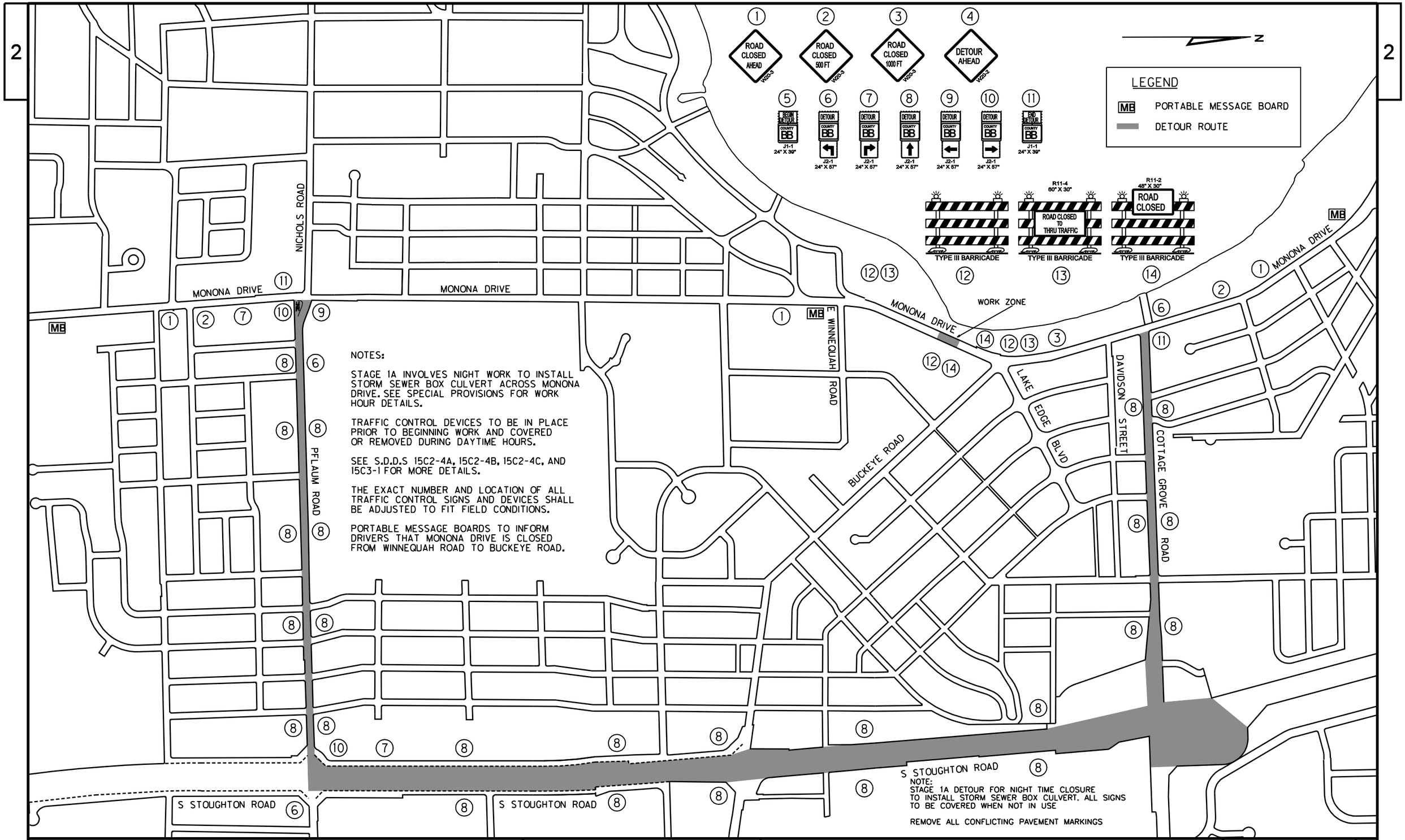
TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 103	E



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1A MAINLINE CLOSURE	SHEET NO:	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\TRAFF_Monona1A-NIGHT.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 10:57:48 AM

WISDOT/CADDS SHEET 42

NOTES:

STAGE1B INVOLVES NIGHT WORK TO INSTALL STORM SEWER BOX CULVERT THROUGH THE BUCKEYE ROAD AND LAKE EDGE BOULEVARD INTERSECTION. SEE SPECIAL PROVISIONS FOR WORK HOUR DETAILS.

TRAFFIC CONTROL DEVICES TO BE IN PLACE PRIOR TO BEGINNING WORK AND COVERED OR REMOVED DURING DAYTIME HOURS.

SEE STANDARD DETAIL DRAWING 15C 2-46 AND 15C 3-1 FOR MORE DETAIL.

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

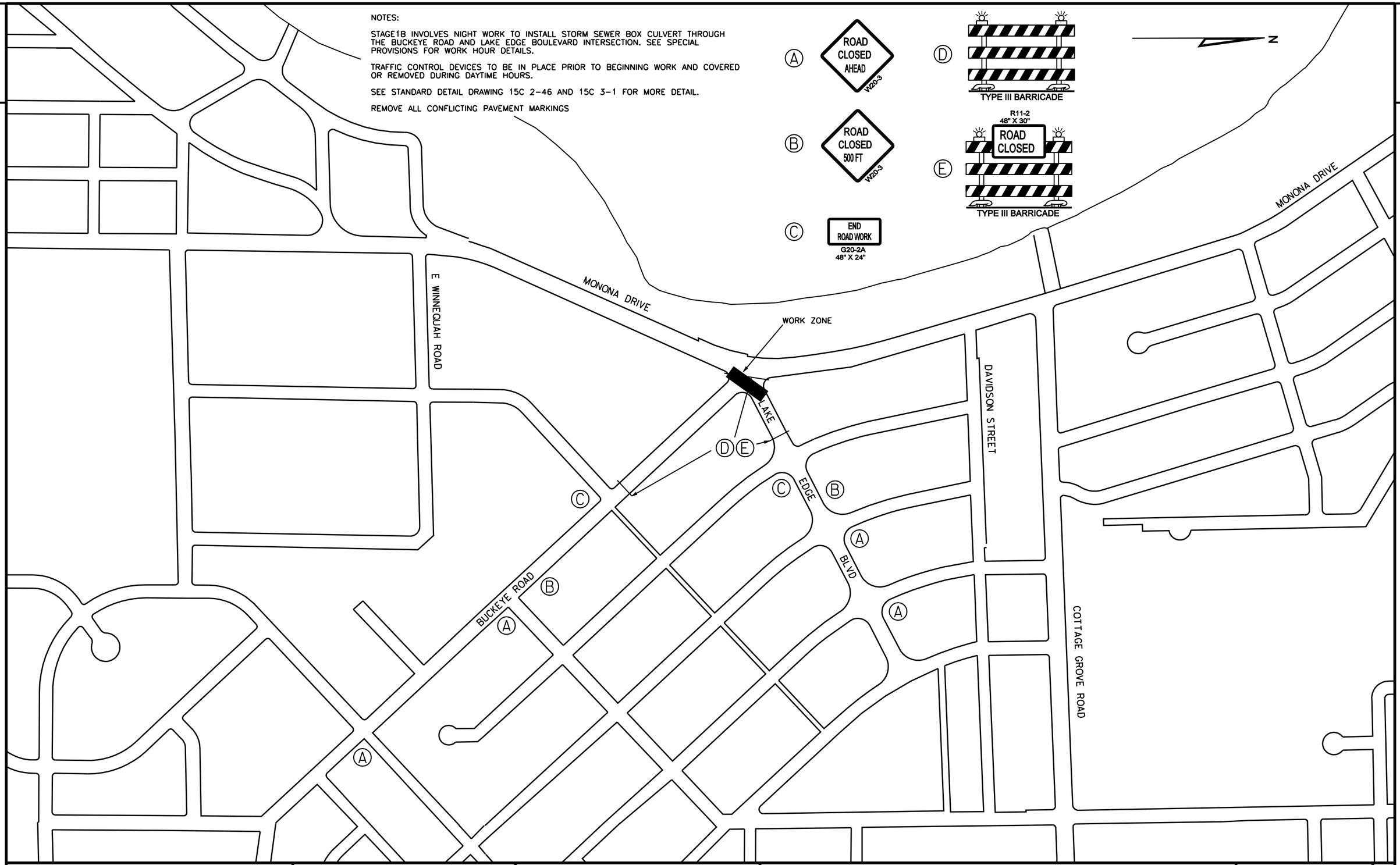
Ⓐ ROAD CLOSED AHEAD W20-3

Ⓑ ROAD CLOSED 500 FT W20-3

Ⓒ END ROAD WORK G20-2A 48" X 24"

Ⓓ TYPE III BARRICADE

Ⓔ R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1B BUCKEYE CLOSURE	SHEET NO: E

FILE NAME : x:\md\le\2008\08m085\cad\plans\TRAFF_Buckeye1B.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:43:44 PM

WISDOT/CADDS SHEET 42

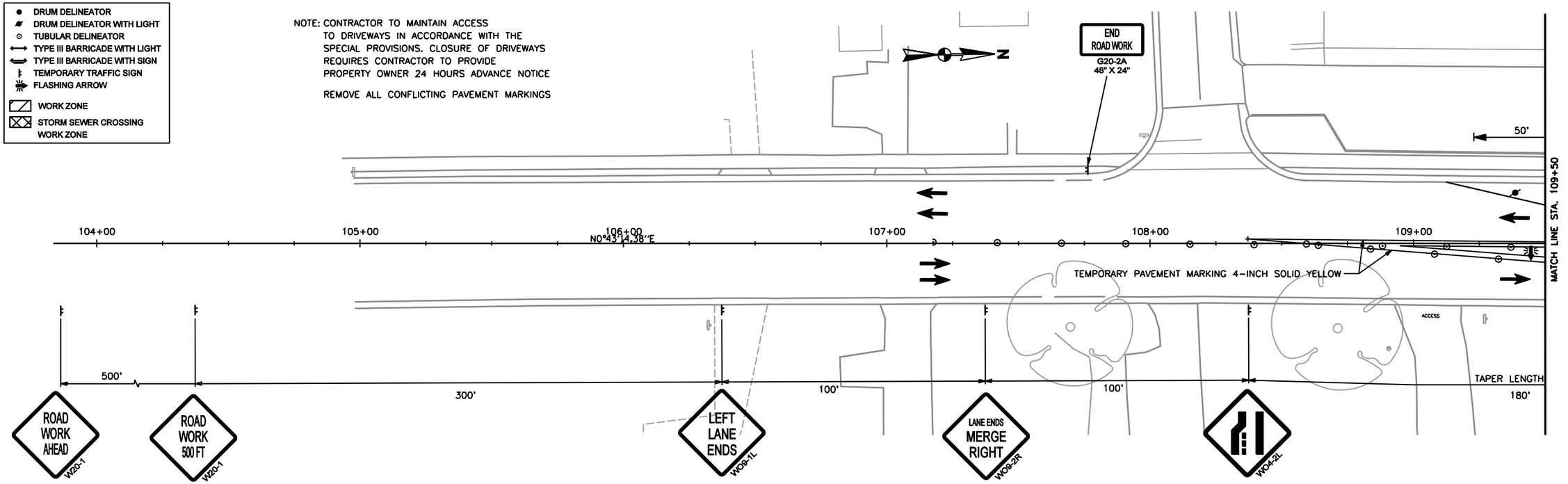
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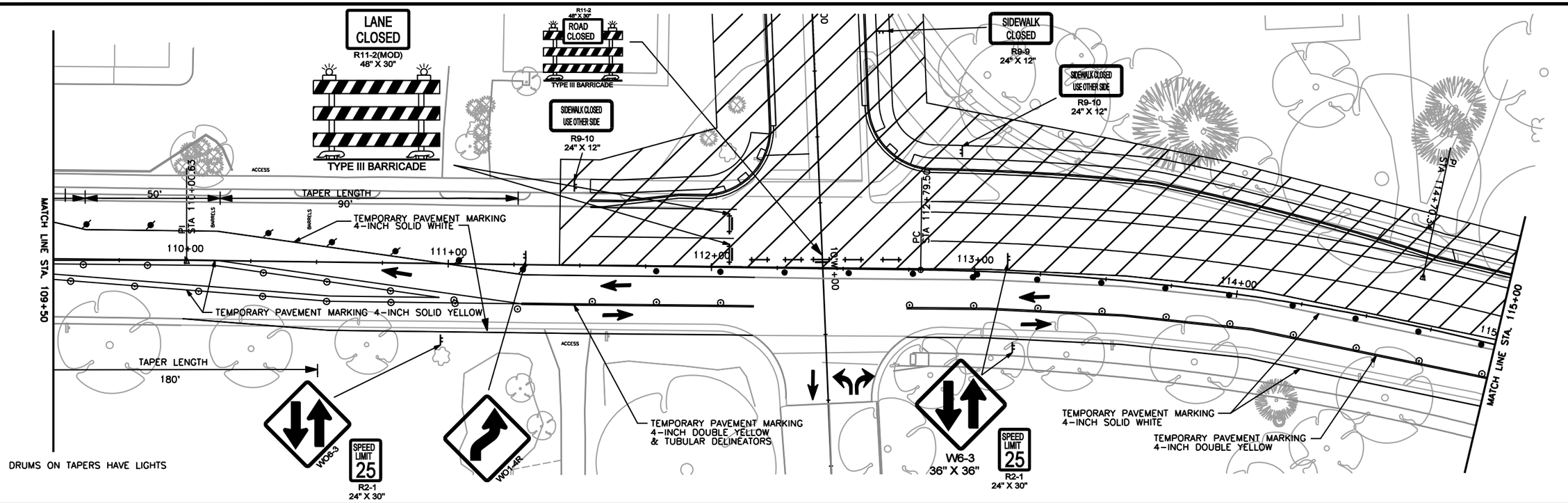
TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNER 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS





PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 106	E

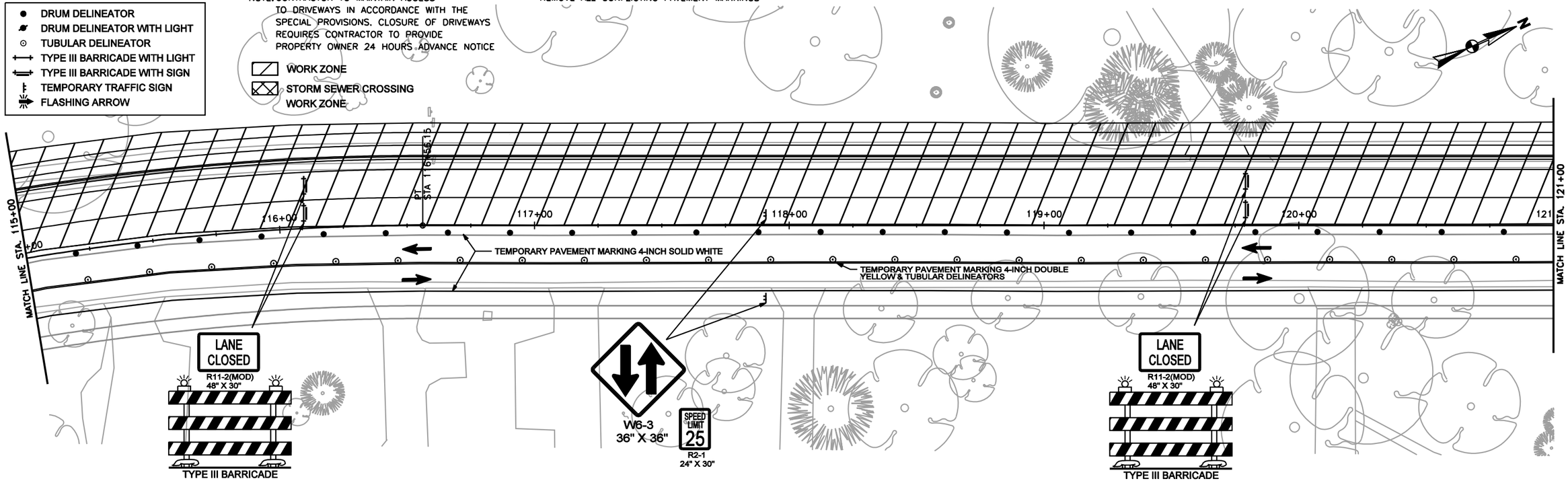
TRAFFIC CONTROL LEGEND

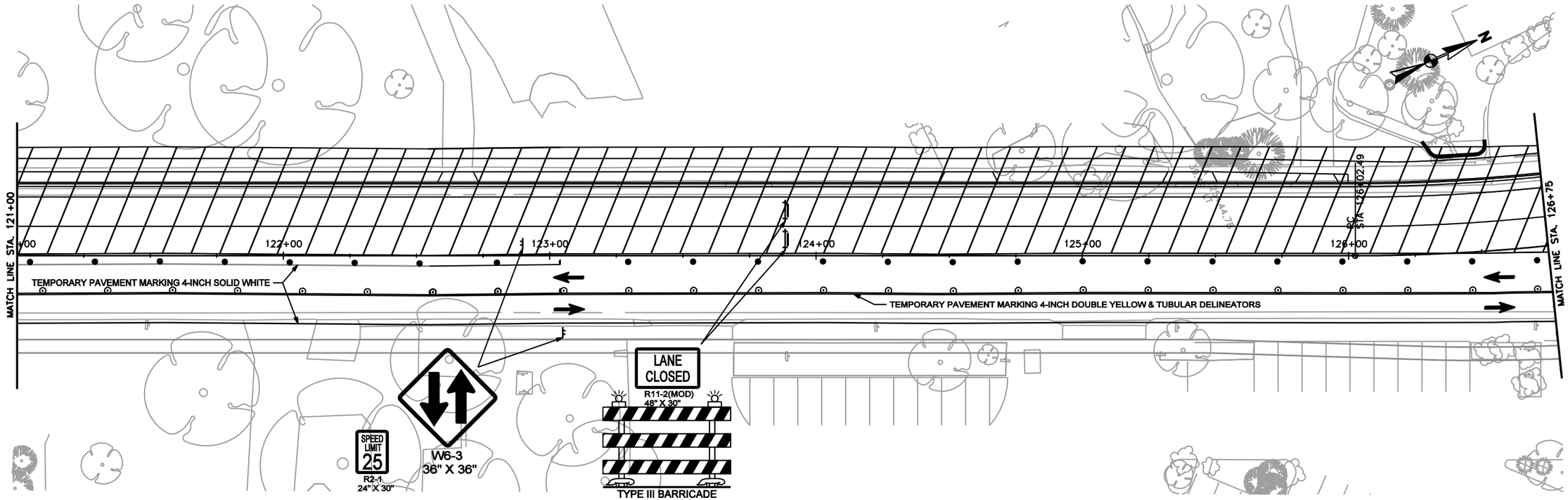
- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNER 24 HOURS ADVANCE NOTICE

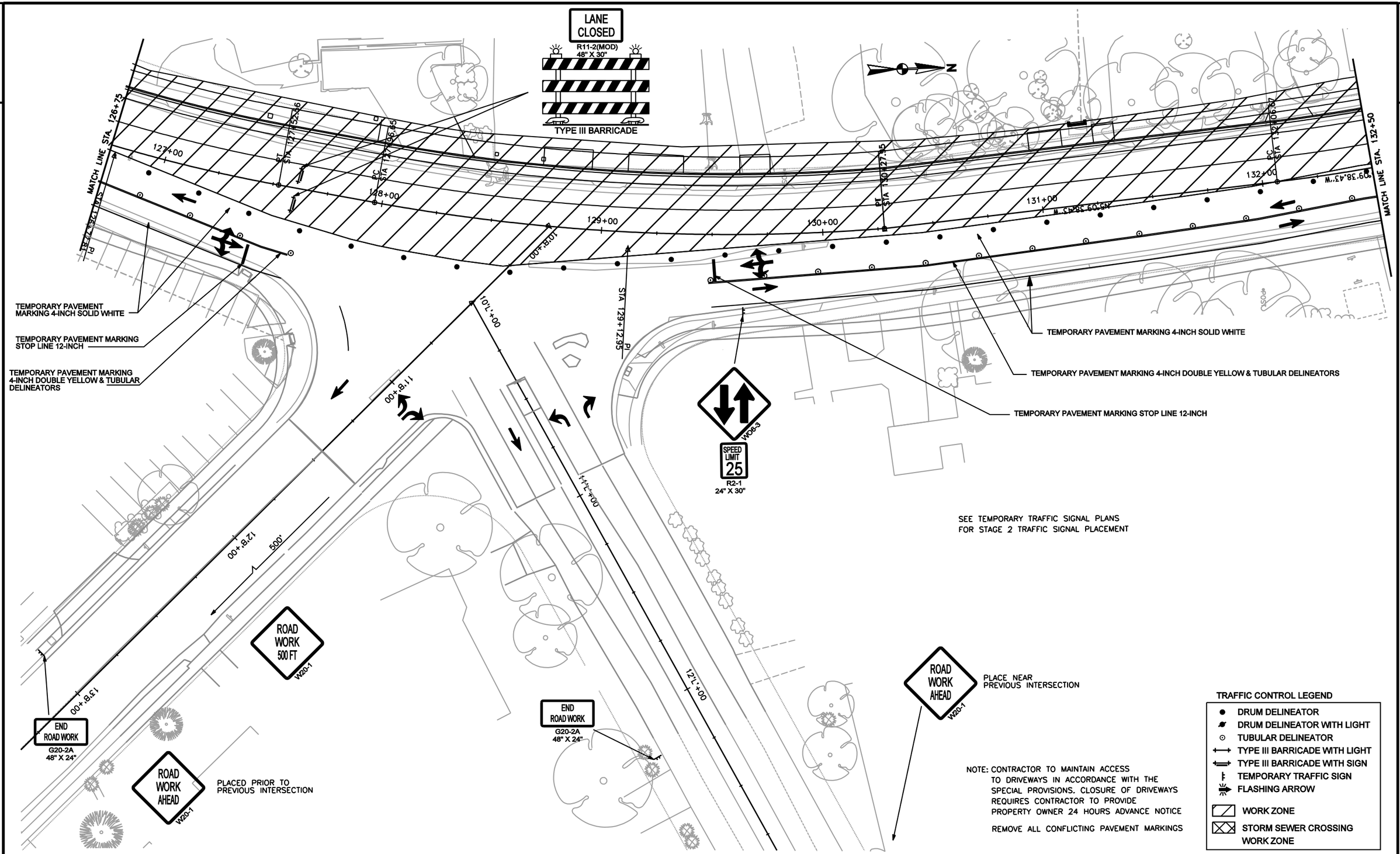
REMOVE ALL CONFLICTING PAVEMENT MARKINGS

- WORK ZONE
- STORM SEWER CROSSING WORK ZONE





2



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\TRAFF23.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:01:41 AM

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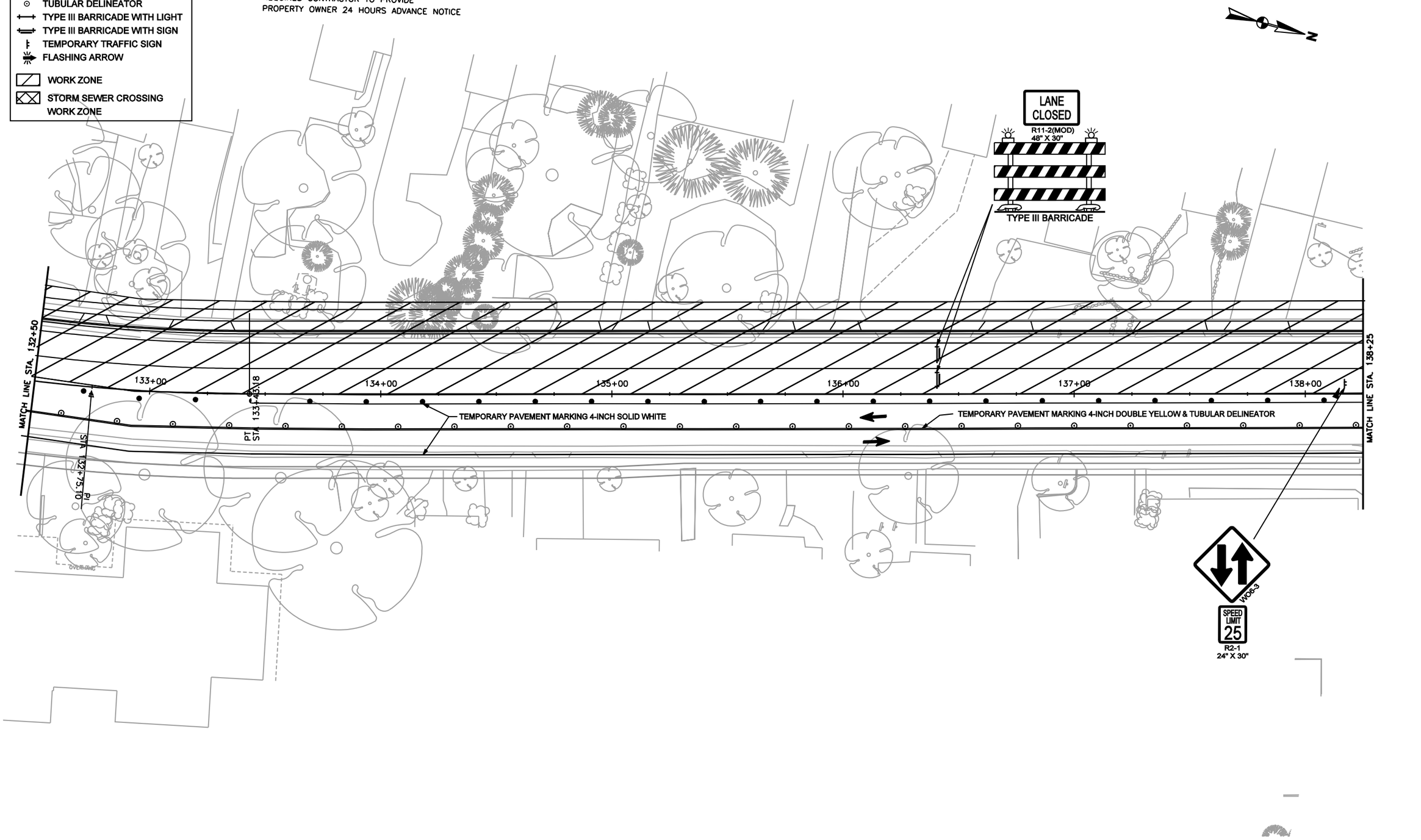
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TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNER 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 109	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\TRAFF24.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:02:07 AM

2

2

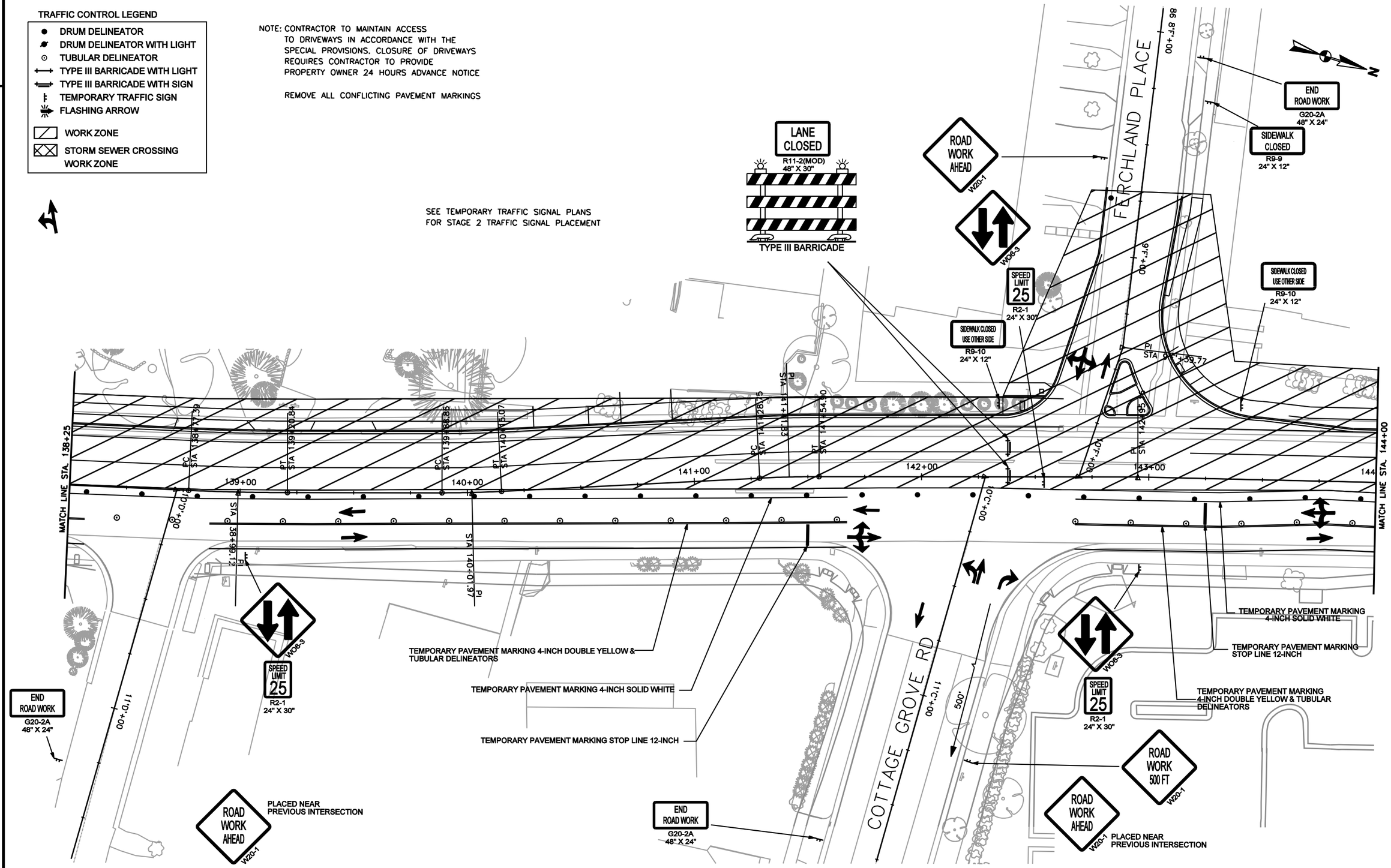
TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNER 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR STAGE 2 TRAFFIC SIGNAL PLACEMENT



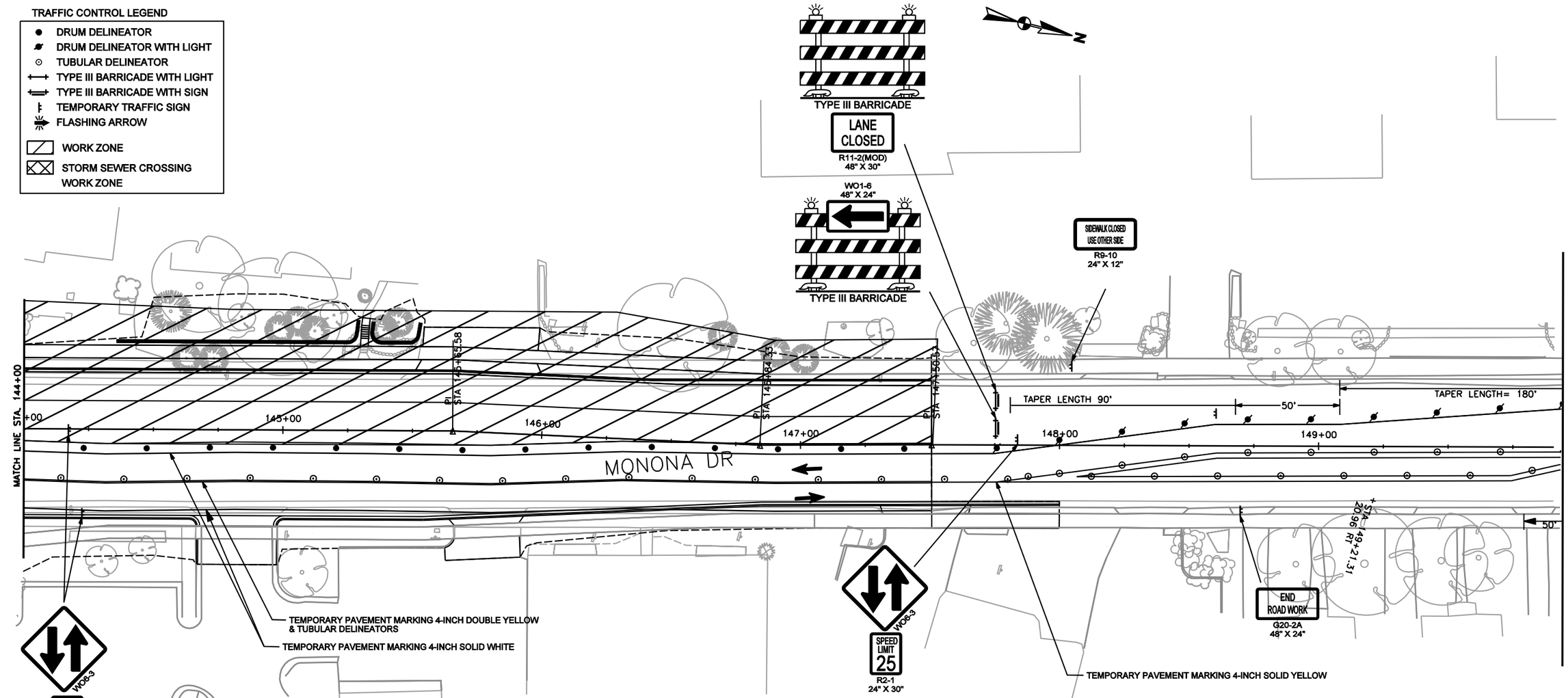
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2

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE



NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNER 24 HOURS ADVANCE NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET	E

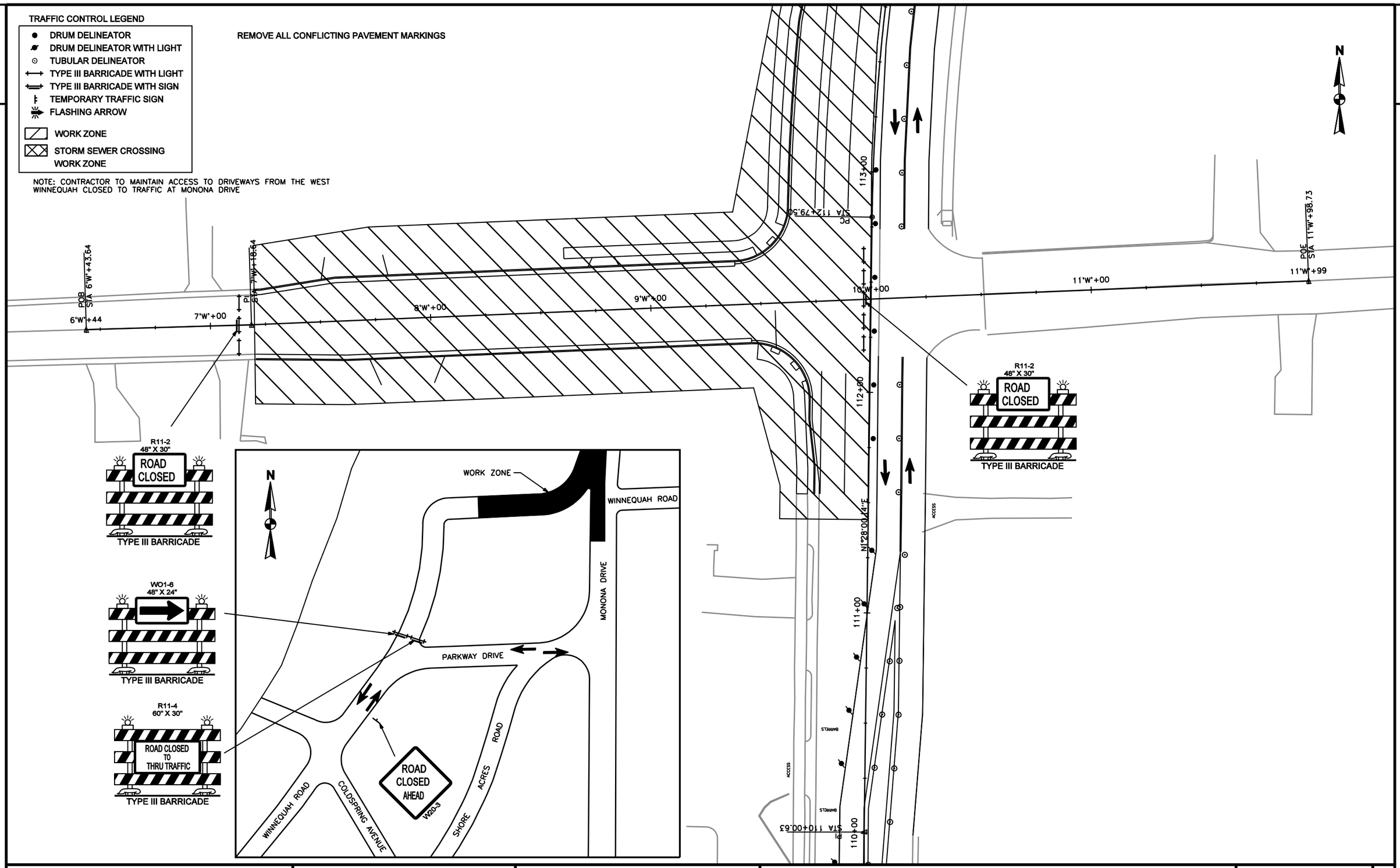
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TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS FROM THE WEST WINNEQUAH CLOSED TO TRAFFIC AT MONONA DRIVE



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF27.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:44:17 PM

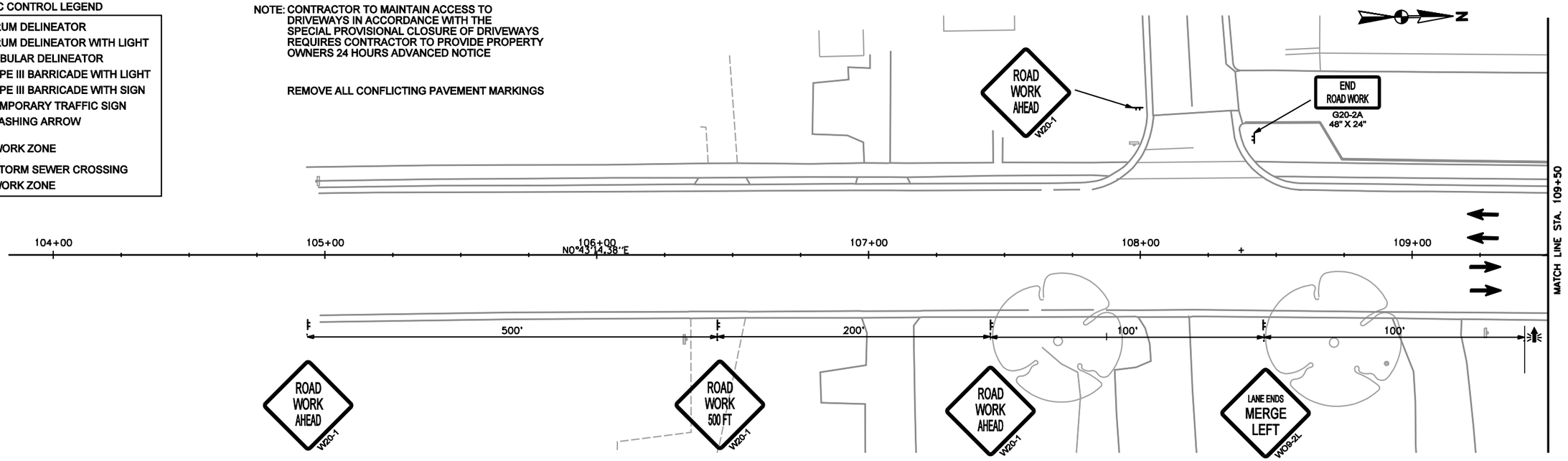
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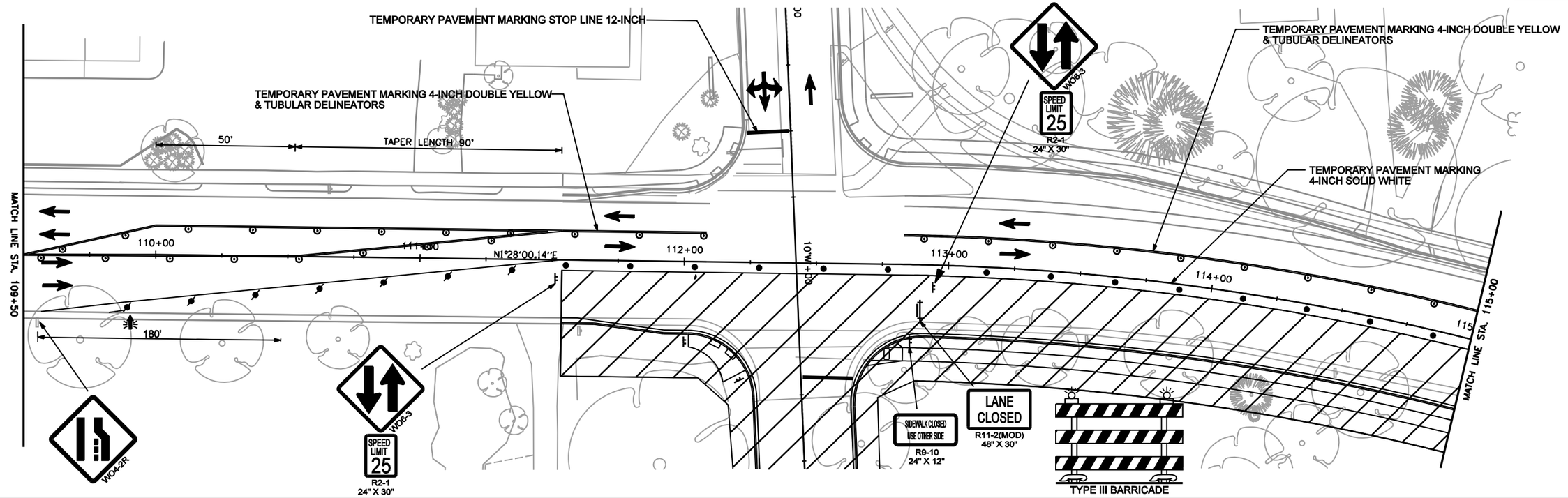
TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



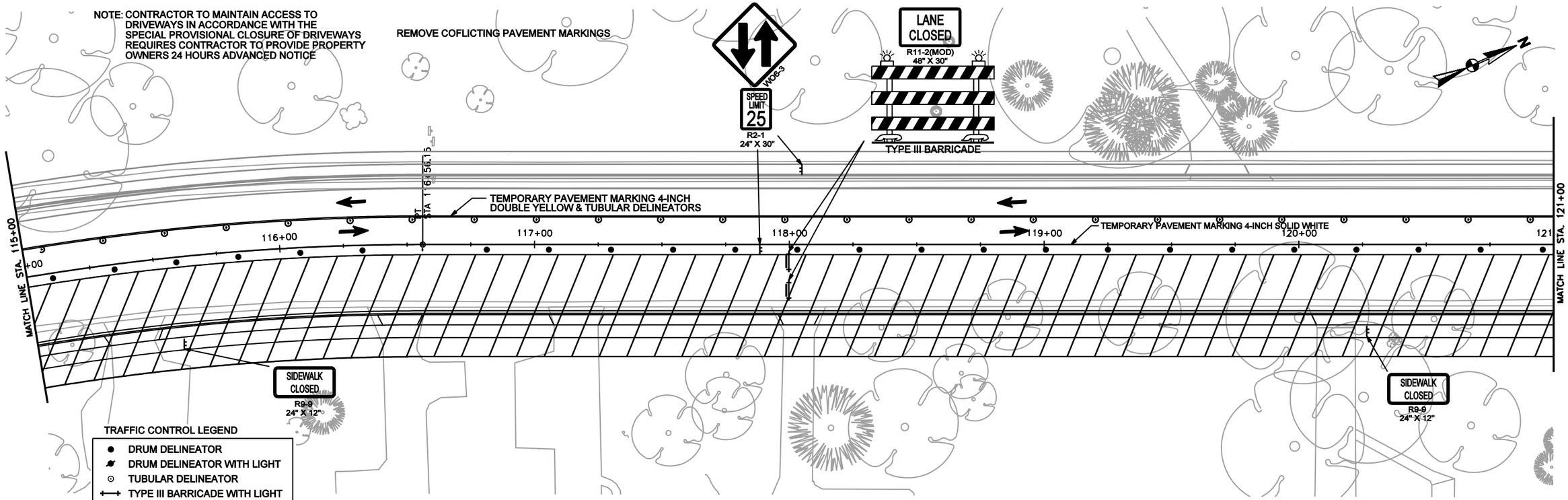


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET	E

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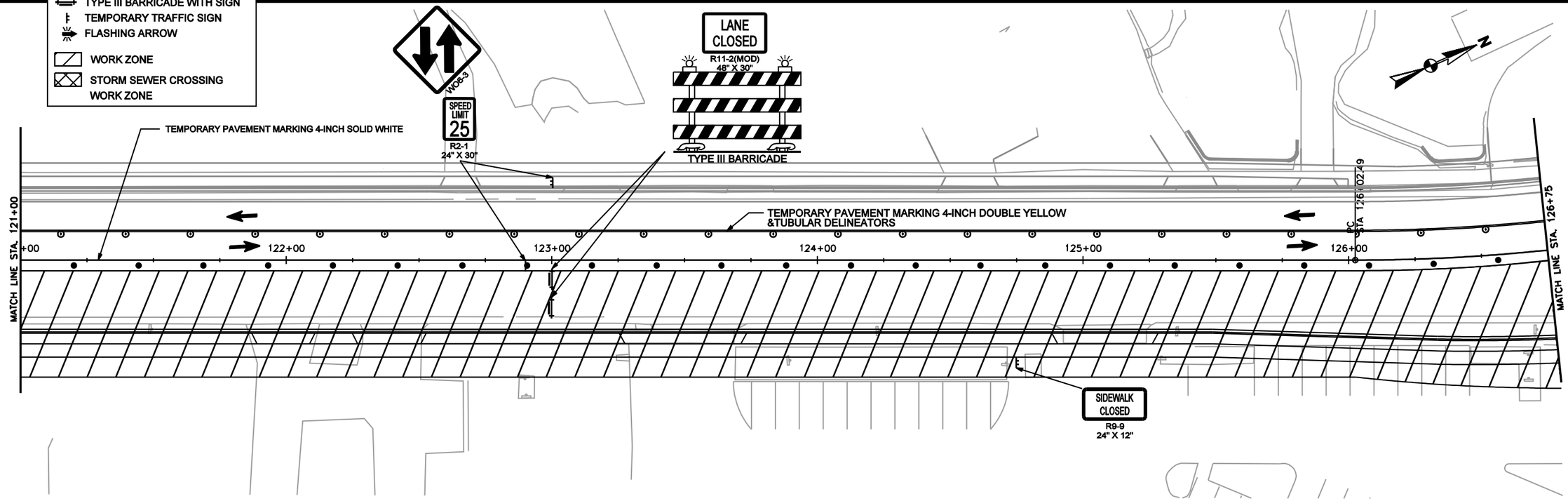
NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE COFLICTING PAVEMENT MARKINGS



TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF32.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:44:25 PM

WISDOT/CADDS SHEET 30

2

W06-3
SPEED LIMIT 25
R2-1
24" X 30"
TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH
MATCH LINE STA. 126+75
127+00
BOT STA 127+62.56
PC STA 127+96.65
128+00
129+00
130+00
PT STA 130+27.95
131+00
N09°38'43"W
132+00
PC STA 132+06.67
MATCH LINE STA. 132+50
LANE CLOSED
R11-2(MOD)
48" X 30"
TYPE III BARRICADE
TEMPORARY PAVEMENT MARKING 4-INCH DOUBLE YELLOW & TUBULAR DELINEATORS
TEMPORARY PAVEMENT MARKING 4-INCH SOLID WHITE
SIDEWALK CLOSED
R9-9
24" X 12"
LANE CLOSED
R11-2(MOD)
48" X 30"
TYPE III BARRICADE
ROAD CLOSED
R11-2
48" X 30"
SIDEWALK CLOSED USE OTHER SIDE
R9-10
24" X 12"
TYPE III BARRICADE
SIDEWALK CLOSED
R9-9
24" X 12"
ROAD CLOSED
R11-2
48" X 30"
TYPE III BARRICADE
TYPE III BARRICADE
ROAD WORK AHEAD
W20-1
ROAD WORK AHEAD
W20-1
END ROAD WORK
G20-2A
48" X 24"
END ROAD WORK
G20-2A
48" X 24"
11+00
11+78.00
12+00
12+78.00
13+00
13+78.00
STA 129+12.95
PT STA 129+70.05
PT STA 129+70.05
PT STA 129+70.05

NOTE: SEE BUCKEYE ROAD TRAFFIC CONTROL SHEETS FOR STAGE 3 & 3A TRAFFIC CONTROL DETAILS

SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR STAGE 3 & 3A TRAFFIC SIGNAL PLACEMENT

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\TRAFF33.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:44:29 PM

2

2

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

W06-3

SPEED LIMIT 25

R2-1
24" X 30"

TEMPORARY PAVEMENT MARKING 4-INCH DOUBLE YELLOW & TUBULAR DELINEATORS

MATCH LINE STA. 132+50

133+00

134+00

135+00

136+00

137+00

138+00

MATCH LINE STA. 138+25

PT STA 133.18

STA 132+75.10

LANE CLOSED

R11-2(MOD)
48" X 30"

TYPE III BARRICADE

TEMPORARY PAVEMENT MARKING 4-INCH SOLID WHITE

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF34.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:44:37 PM WISDOT/CADDS SHEET 30

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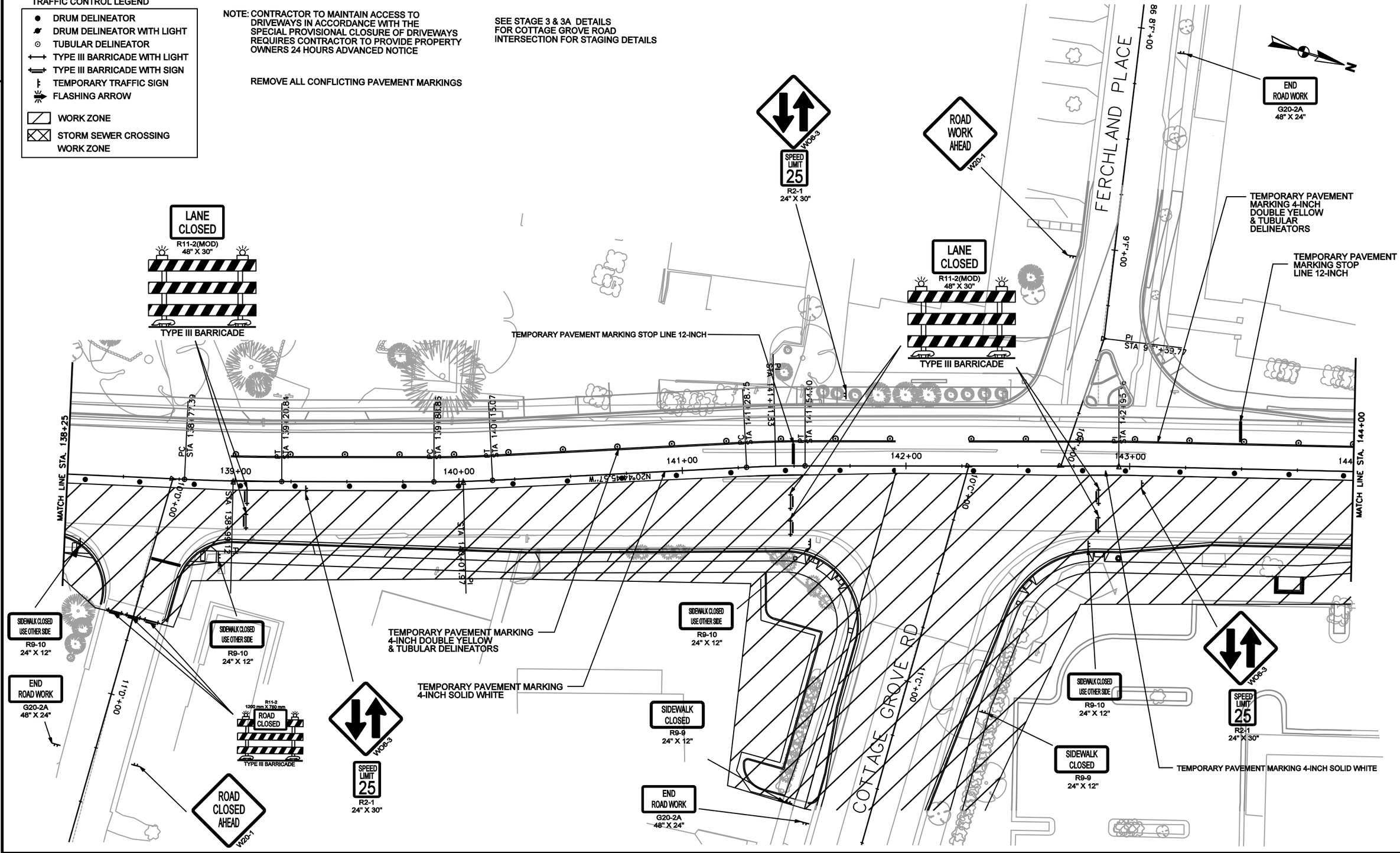
TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

SEE STAGE 3 & 3A DETAILS FOR COTTAGE GROVE ROAD INTERSECTION FOR STAGING DETAILS



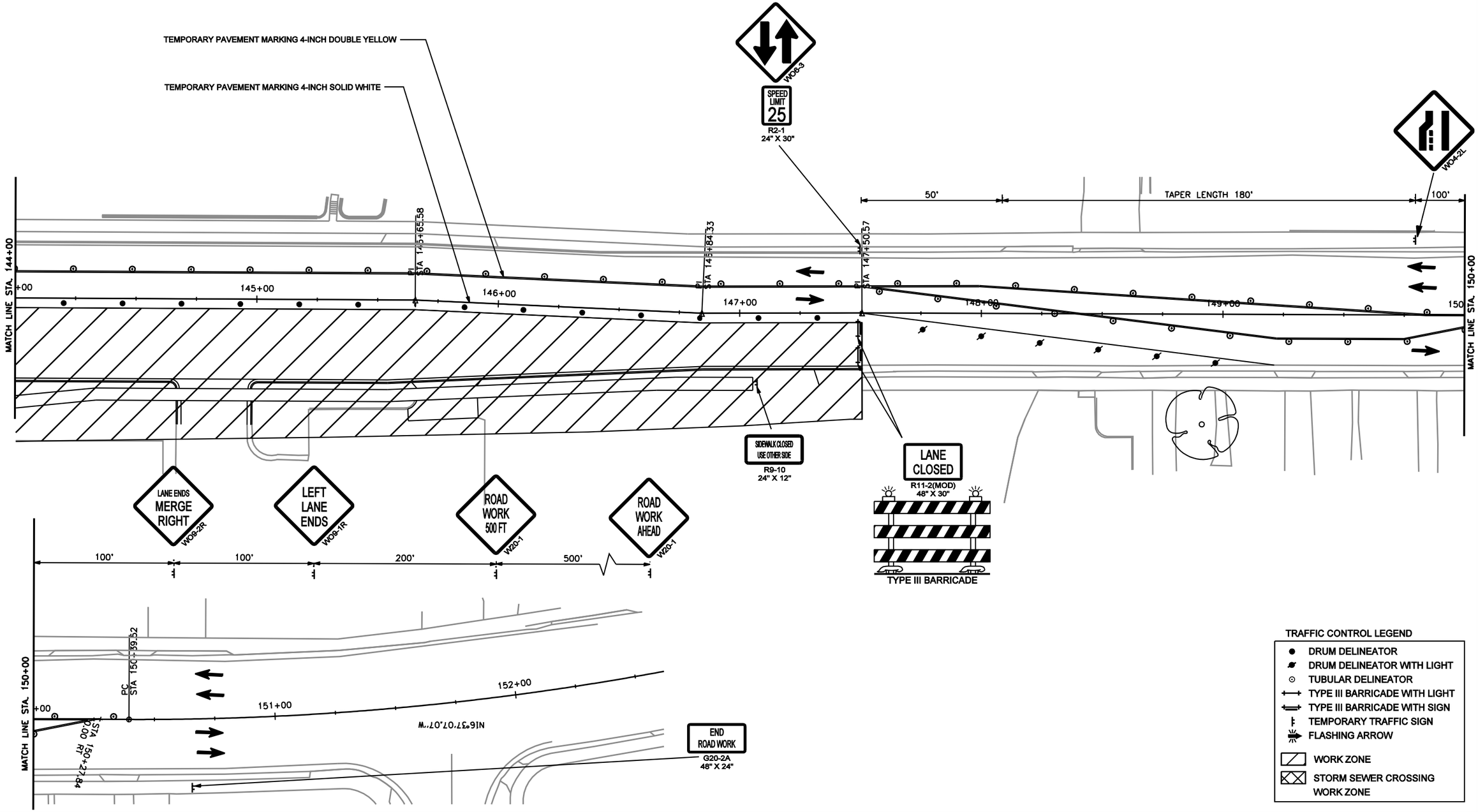
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FILE NAME : x:\md\ie\2006\08m085\cad\plans\TRAFF35.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:44:44 PM

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS





TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 118 E

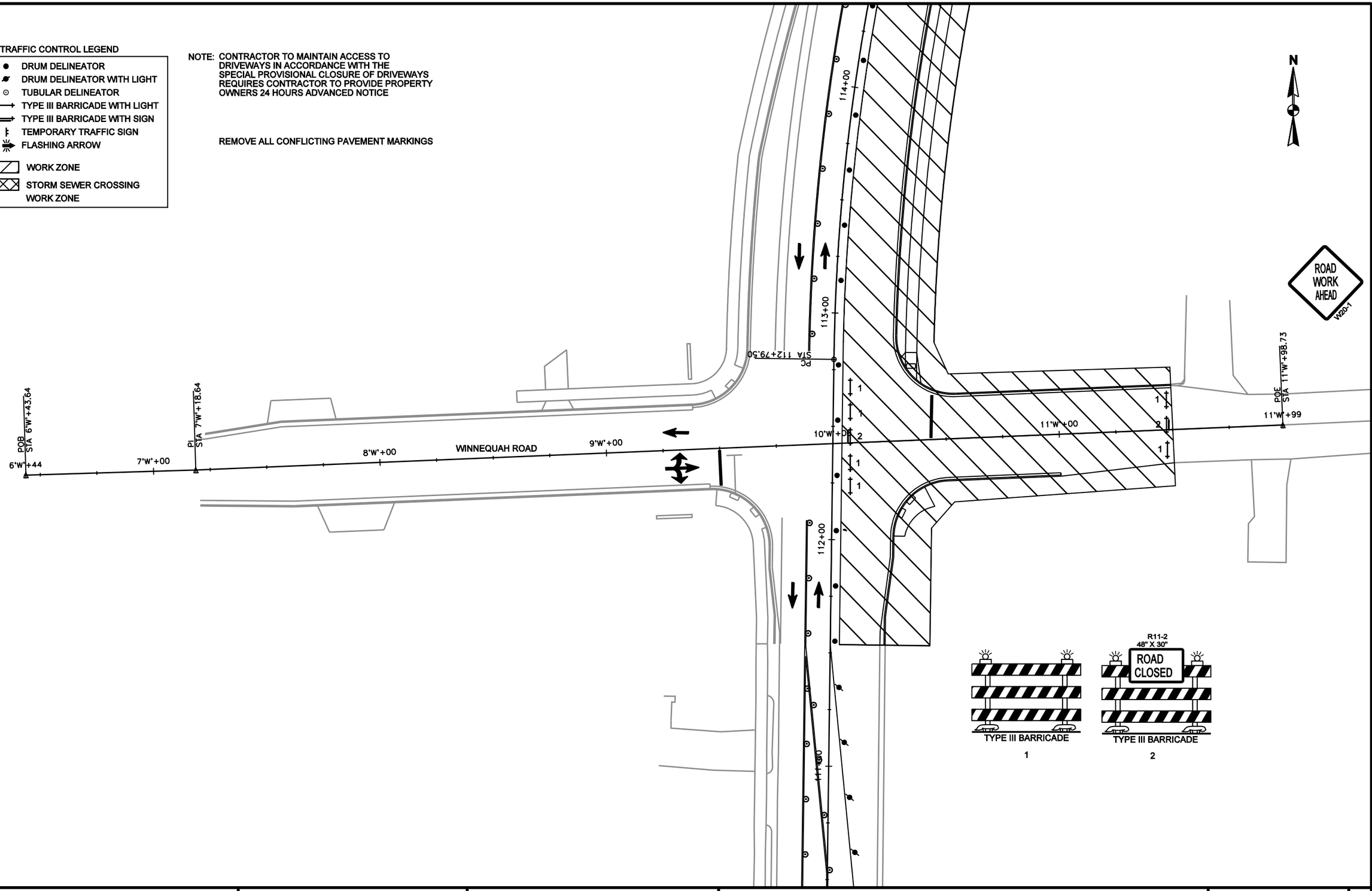
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TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE
1

TYPE III BARRICADE
2

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF37.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:44:52 PM

WISDOT/CADDS SHEET 30

2

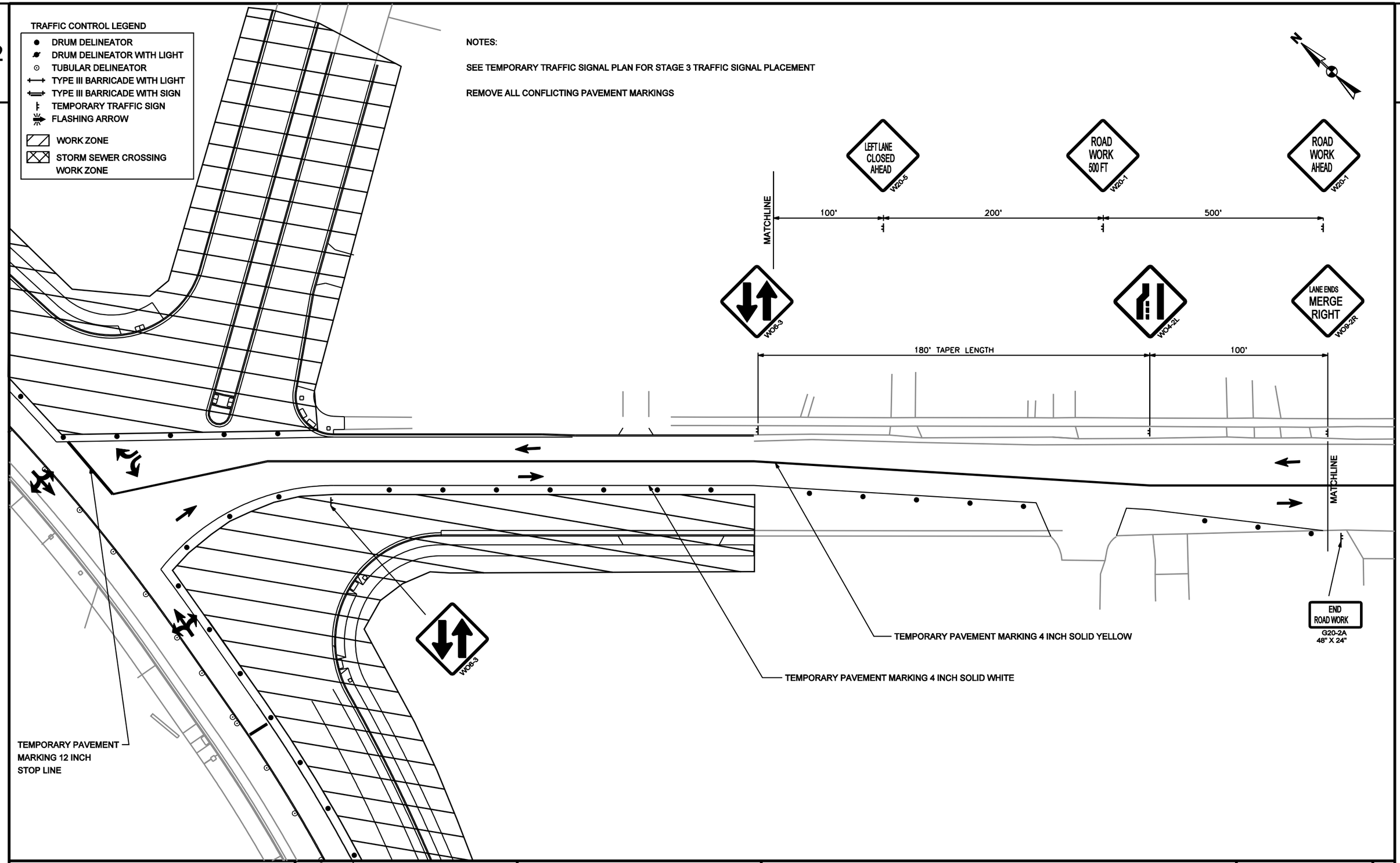
TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTES:

SEE TEMPORARY TRAFFIC SIGNAL PLAN FOR STAGE 3 TRAFFIC SIGNAL PLACEMENT

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 BUCKEYE ROAD	SHEET 120	E

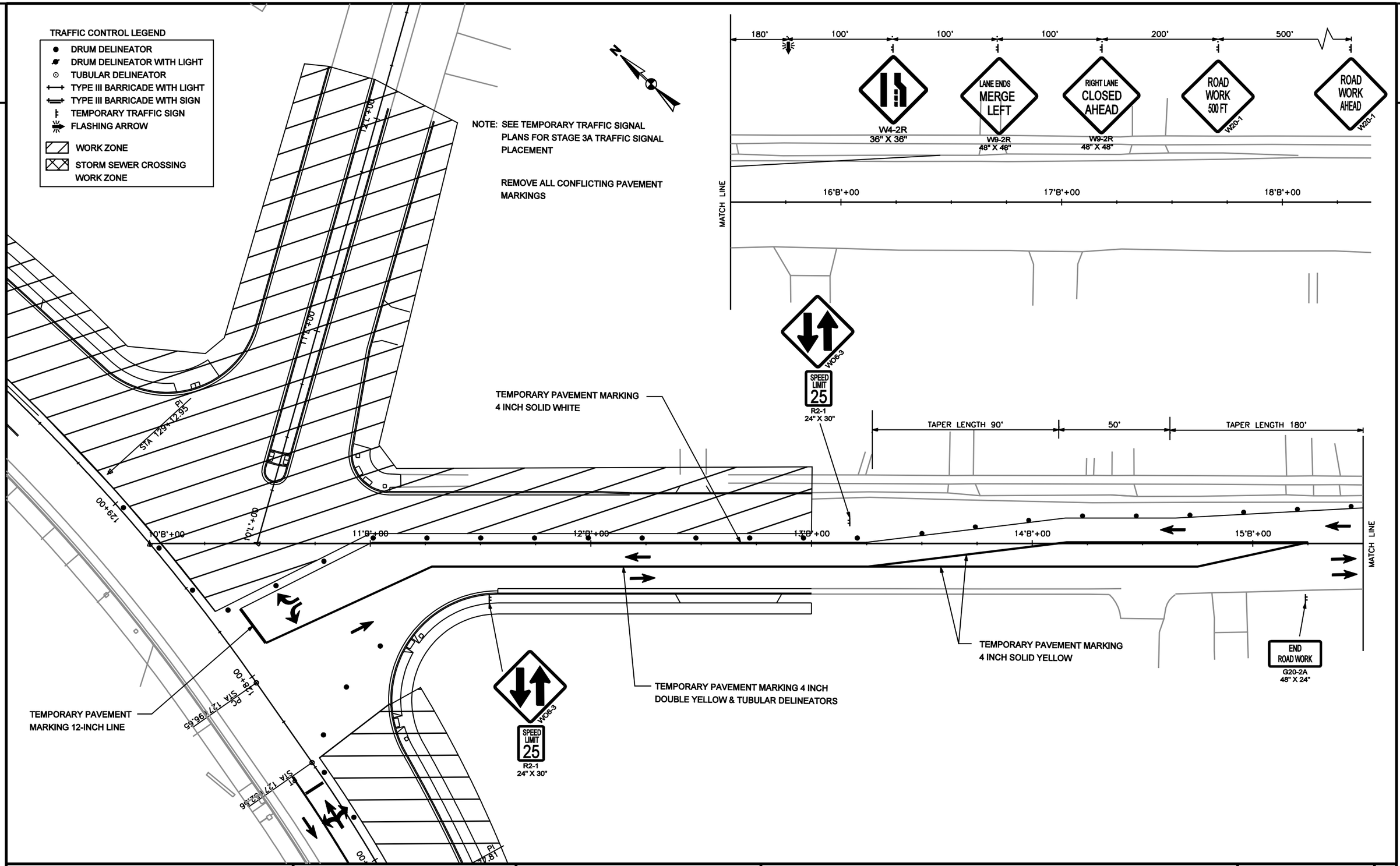
FILE NAME : X:\MD\E\2008\08M085\cad\Plans\TRAFF38B.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:03:48 AM

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR STAGE 3A TRAFFIC SIGNAL PLACEMENT

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A BUCKEYE ROAD	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\TRAFF38.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:03:21 AM

2

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTES: SEE TEMPORARY TRAFFIC SIGNAL AT PLAN FOR STAGE 3A TRAFFIC SIGNAL PLACEMENT

CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONAL CLOSURE OF DRIVEWAYS REQUIRES CONTRACTOR TO PROVIDE PROPERTY OWNERS 24 HOURS ADVANCED NOTICE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

LANE ENDS MERGE LEFT
W9-2L
48" X 48"

RIGHT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1

ROAD WORK 500 FT
W20-1

N

MATCHLINE

100' 100' 200' 500'

W6-3
36" X 36"

SPEED LIMIT 25
R2-1
24" X 30"

TEMPORARY PAVEMENT MARKINGS 12 INCH STOP LINE

TEMPORARY PAVEMENT MARKING 4 INCH SOLID WHITE

W4-2R
36" X 36"

TAPER LENGTH 90' 50' TAPER LENGTH 180' 100'

10'C'+00 11'C'+00 12'C'+00 13'C'+00 14'C'+00 14'C'+59

POE STA 14'C'+58.90

MATCHLINE

143+00 142+00 141+00

PI STA 141+11.33
BC STA 141+28.75
EC STA 141+54.60

END ROAD WORK
G20-2A
48" X 24"

TEMPORARY PAVEMENT MARKING 4 INCH DOUBLE YELLOW & TUBULAR DELINEATOR

W6-3
36" X 36"

SPEED LIMIT 25
R2-1
24" X 30"

2

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 COTTAGE GROVE ROAD	SHEET	E

FILE NAME : X:\MD\IE\2006\08M085\cad\Plans\TRAFF39.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:04:23 AM

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

NOTE: SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR STAGE 3B TRAFFIC SIGNAL PLACEMENT

REMOVE ALL CONFLICTING PAVEMENT MARKING

TEMPORARY PAVEMENT MARKING 4 INCH DOUBLE YELLOW & TUBULAR DELINEATORS

TEMPORARY PAVEMENT MARKING 12 INCH STOP LINE

TEMPORARY PAVEMENT MARKING 4 INCH SOLID YELLOW

TEMPORARY PAVEMENT MARKING 4 INCH SOLID WHITE

W06-3

SPEED LIMIT 25

R2-1 24" X 30"

TAPER LENGTH 180'

W4-2L 36" X 36"

100'

LANE ENDS MERGE RIGHT

W9-2R 48" X 48"

100'

LEFT LANE CLOSED AHEAD

W9-2R 48" X 48"

200'

ROAD WORK 500 FT

W20-1

500'

ROAD WORK AHEAD

W20-1

END ROAD WORK

G20-2A 48" X 24"

N

10'C'+00

11'C'+00

12'C'+00

13'C'+00

14'C'+00

14'C'+59

POE STA 14'C'+58.90

10'F'+00

141+00

142+00

PI STA 141+11.33

BC STA 141+28.75

EC STA 141+54.50

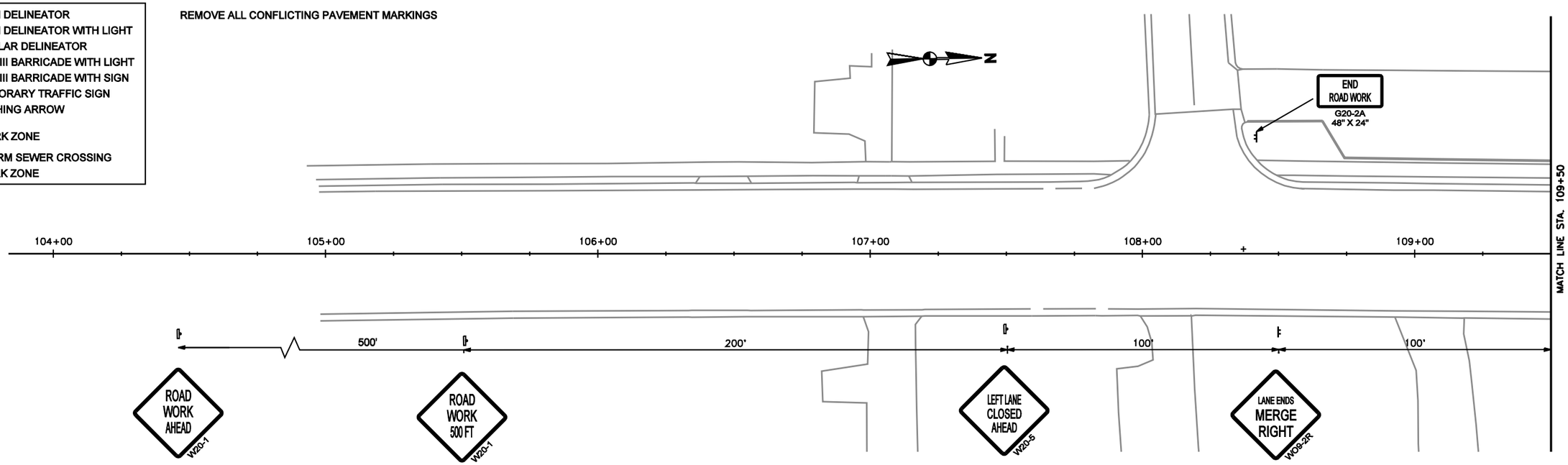
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A COTTAGE GROVE ROAD	SHEET E

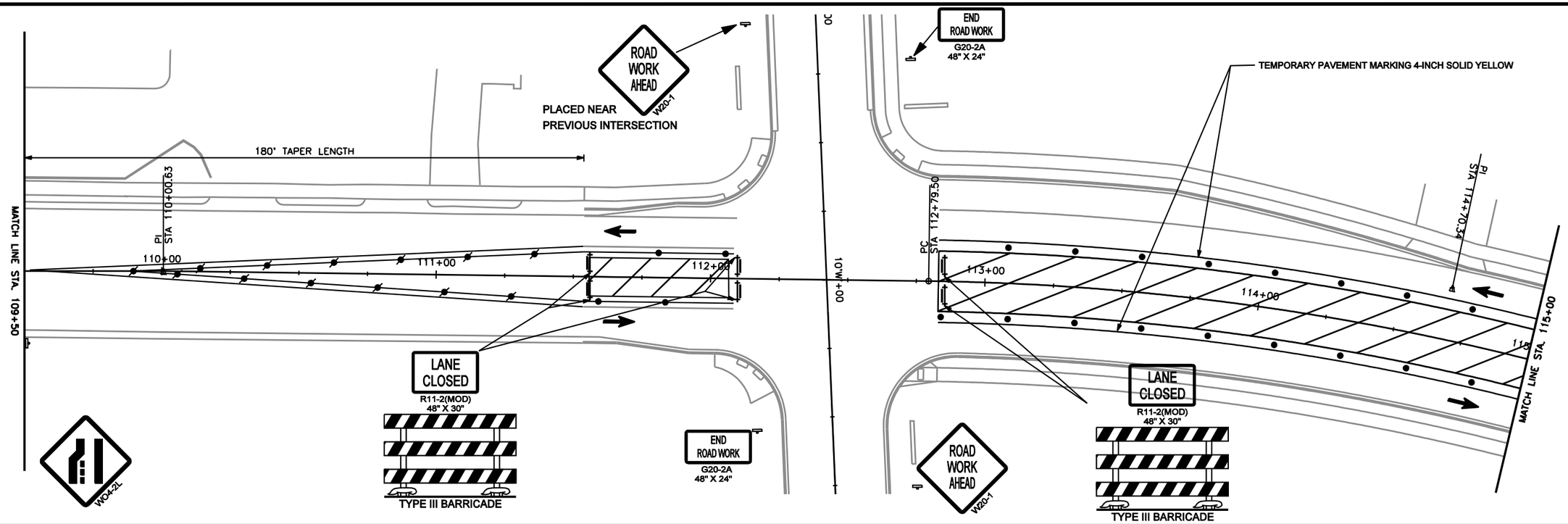
FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\TRAFF39B.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:04:47 AM

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS





PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\TRAFF41.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:06:10 AM

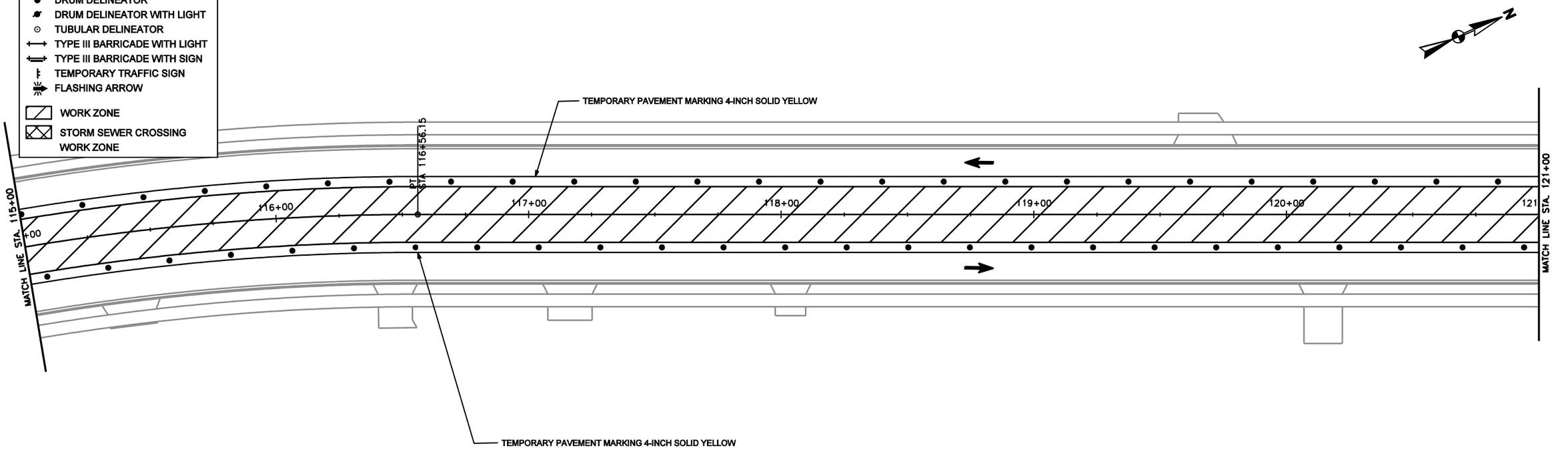
WISDOT/CADDS SHEET 30

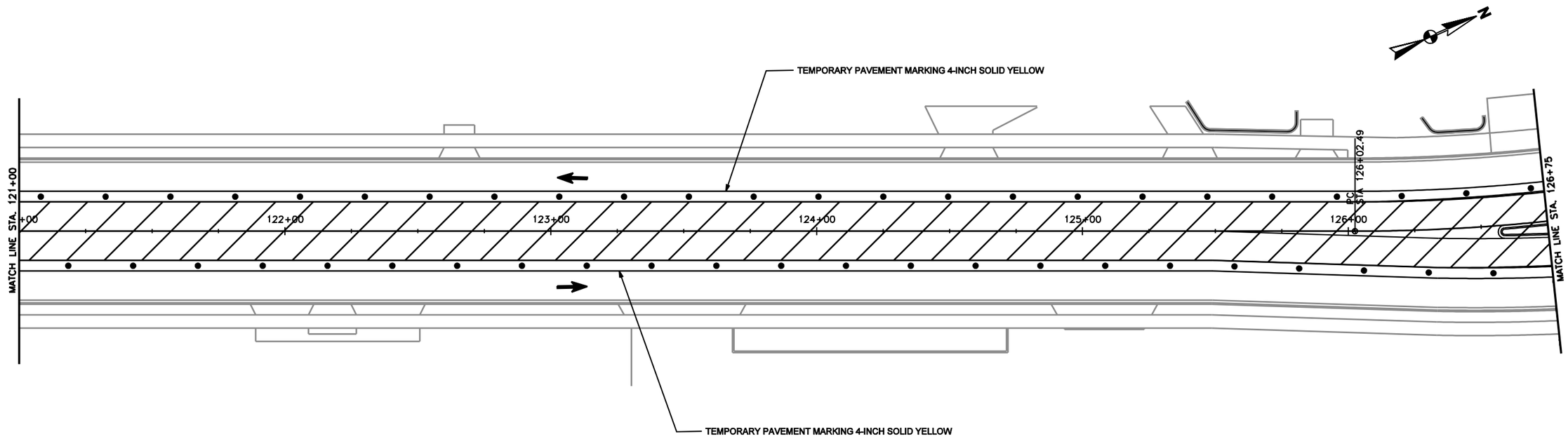
2

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS





2

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 125	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\TRAFF42.dgn PLOT BY : cas1 PLOT DATE : 12/16/2011 PLOT TIME : 11:06:34 AM

2

TEMPORARY PAVEMENT MARKING
4-INCH SOLID YELLOW

TEMPORARY PAVEMENT MARKING
4-INCH SOLID YELLOW

SEE TEMPORARY TRAFFIC SIGNAL
SHEETS FOR STAGE 4 TRAFFIC
SIGNAL PLACEMENT

N

MATCH LINE STA. 126+75

127+00

PT
STA 127+52.56

PC
STA 127+96.65

128+00

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

TYPE III BARRICADE

129+00

130+00

PI
STA 130+27.95

131+00

N 69°38'43" W

132+00

PC
STA 132+06.67

MATCH LINE STA. 132+50

8.01

PI
STA 129+12.95

TEMPORARY PAVEMENT MARKING
4-INCH SOLID YELLOW

+ STA 127+22.87
90.12 RT

+ STA 127+23.01
58.59 RT

+ STA 127+59.57
36.06 RT

101'+00

118'+00

500'

127'+00

137'+00

END
ROAD WORK
G20-2A
48" X 24"

ROAD
WORK
500 FT
W20-1

PLACE 500' PRIOR
TO INTERSECTION

ROAD
WORK
AHEAD
W20-1

PLACED TO
PREVIOUS INTERSECTION

+ STA 129+28.75
55.96 RT

+ STA 129+19.42
74.91 RT

111'+00

121'+00

END
ROAD WORK
G20-2A
48" X 24"

TEMPORARY PAVEMENT MARKING
4-INCH SOLID YELLOW

ROAD
WORK
AHEAD
W20-1

PLACED NEAR
PREVIOUS INTERSECTION

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

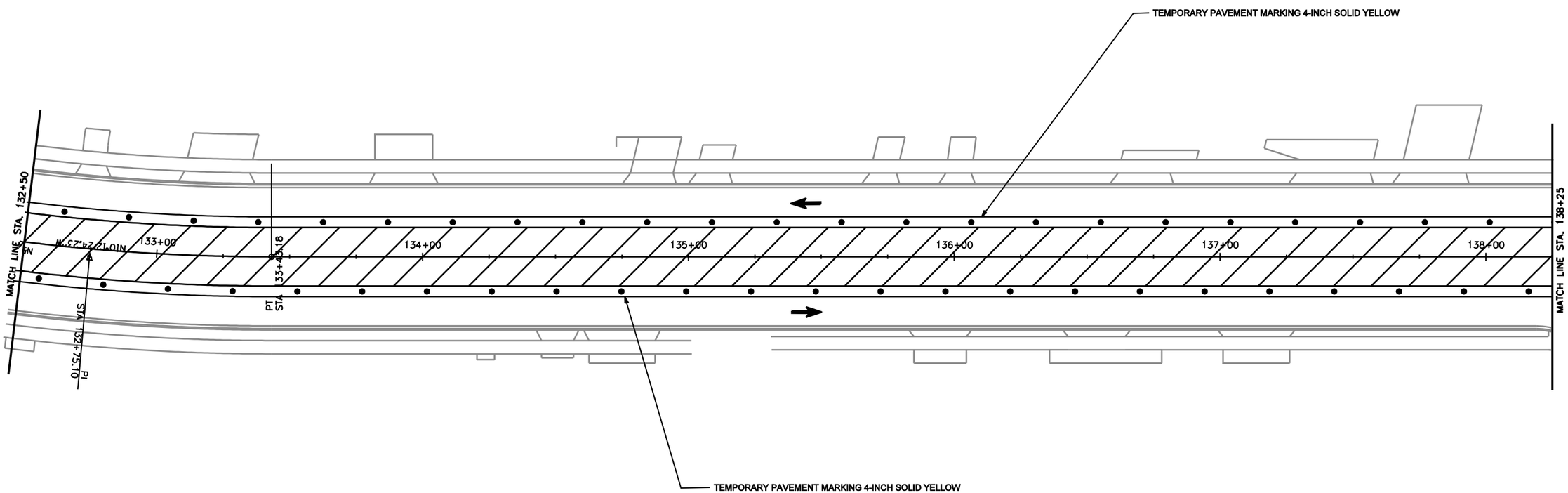
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 126	E

2

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF44.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:45:21 PM

2

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

REMOVE ALL CONFLICTING PAVEMENT MARKINGS

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

TYPE III BARRICADE

ROAD WORK AHEAD
W20-1

FERCHLAND PLACE

END ROAD WORK
G20-2A
48" X 24"

TEMPORARY PAVEMENT MARKING 4-INCH SOLID YELLOW

MATCH LINE STA. 138+25

138+00 139+00 140+00 141+00 142+00 143+00 144+00

MATCH LINE STA. 144+00

TEMPORARY PAVEMENT MARKING 4-INCH SOLID YELLOW

TEMPORARY PAVEMENT MARKING 4-INCH SOLID YELLOW

END ROAD WORK
G20-2A
48" X 24"

NOTE: SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR STAGE 4 TRAFFIC SIGNAL PLACEMENT

ROAD WORK AHEAD
W20-1

PLACE NEAR PREVIOUS INTERSECTION

END ROAD WORK
G20-2A
48" X 24"

COTTAGE GROVE RD

ROAD WORK 500 FT
W20-1

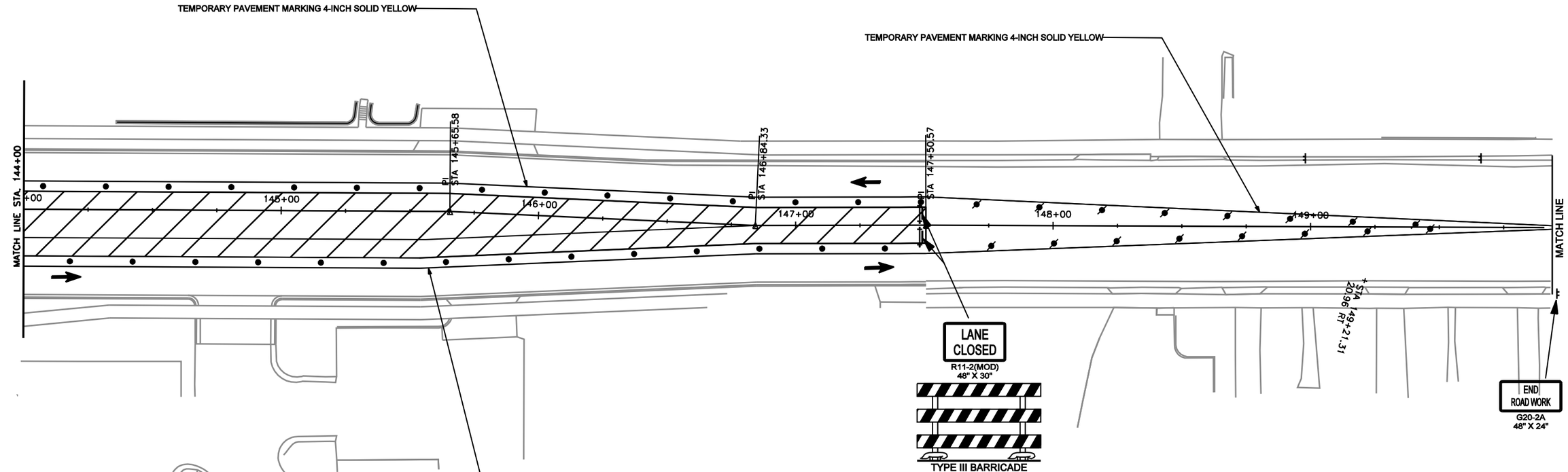
PLACE 500 FT PRIOR TO WORK ZONE

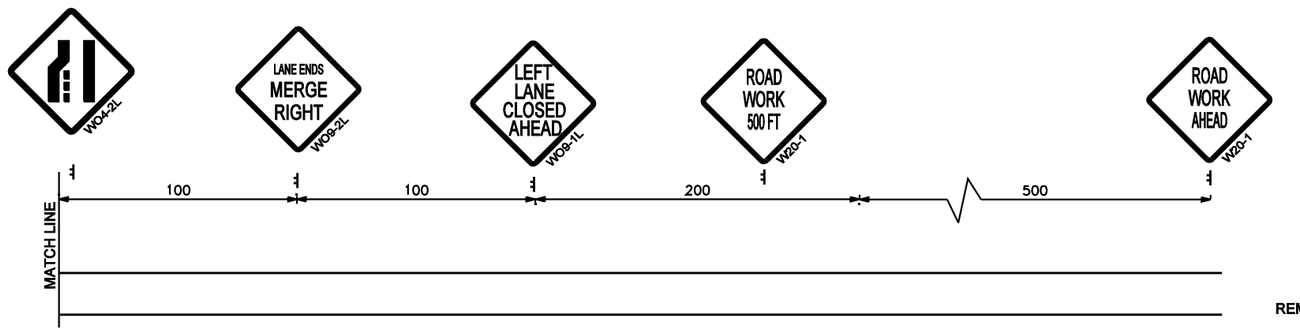
ROAD WORK AHEAD
W20-1

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET E

FILE NAME : x:\md\ie\2008\08m085\cad\plans\TRAFF45.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:45:25 PM

2





REMOVE ALL CONFLICTING PAVEMENT MARKINGS

TRAFFIC CONTROL LEGEND

- DRUM DELINEATOR
- DRUM DELINEATOR WITH LIGHT
- TUBULAR DELINEATOR
- TYPE III BARRICADE WITH LIGHT
- TYPE III BARRICADE WITH SIGN
- TEMPORARY TRAFFIC SIGN
- FLASHING ARROW
- WORK ZONE
- STORM SEWER CROSSING WORK ZONE

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET	E

FILE NAME : x:\md\le\2008\08m085\cad\plans\TRAFF46.dgn PLOT BY : jnw PLOT DATE : 12/15/2011 PLOT TIME : 8:45:27 PM WISDOT/CADDS SHEET 30

2

PI
STA 6'W'+43.64
N:483259.79
E:836357.98

PI
STA 7'W'+18.64
N:483261.07
E:836432.97

7'W'

8'W'

9'W'

WINNEQUAH ROAD
N88° 20'53"E

PI 1
STA 114+70.34
N:483497.12
E:836720.05

PT 1
STA 116+56.15
N:483671.14
E:836798.42

115

C1

MONONA DRIVE

120

N24° 14'39"E

125

PC 2
STA 126+02.49
N:484534.02
E:837187.01

CURVE 2
12° 17'00.76"
D 8° 11'06.40"
R 700.00'
L 150.07'
TAN 75.32'

PT 2
STA 127+52.56
N:484676.39
E:837233.55

PC 3
STA 127+96.65
N:484719.51
E:837242.69

PT 3
STA 130+27.95
N:484949.45
E:837261.01

MATCH LINE

130

N05° 09'38"W

MONONA DRIVE

CURVE 3
14° 48'26.99"
D 6° 24'06.35"
R 895.00'
L 231.30'
TAN 116.30'

C3

C2

N11° 57'38"E

8'W'

10'W'

BEGIN PROJECT
STA 111+54.08
N:483180.96
E:836711.96

N01° 28'00"E
MONONA DRIVE

10'W'

11'W'

N88° 20'53"E
WINNEQUAH ROAD

PC 1
STA 112+79.50
N:483306.34
E:836715.17

CURVE 1
22° 46'38.50"
D 6° 02'50.52"
R 947.45'
L 376.65'
TAN 190.84'

STA 112+79.50=
STA 10'W'+00.00
N:483269.13
E:836714.22

PI
STA 11'W'+98.73
N:483274.91
E:836912.86

PI 2
STA 126+77.81
N:484602.70
E:837217.94

PI STA 10'B'+77.81
= STA 10'L'+00.00
N:484762.46
E:837289.02

PI 3
STA 129+12.95
N:484833.29
E:837266.79

PI STA 128+76.28
= STA 10'B'+00.00
N:484798.05
E:837255.70

8'L'

10'L'

11'L'

N62° 36'43"E

12'L'

LAKE EDGE BOULEVARD

13'L'

14'L'

15'L'

S43° 07'03"E

11'B'

12'B'

13'B'

BUCKEYE ROAD

PI
STA 13'B'+00.00
N:484579.06
E:837460.75

PI
STA 15'L'+00.00
N:484992.47
E:837732.98

CURVE 4
10° 05'31.59"
D 7° 23'34.81"
R 775.00'
L 136.51'
TAN 68.43'

CURVE 5
2° 29'22.72"
D 5° 43'46.48"
R 1000.00'
L 43.45'
TAN 21.73'

PI 6
STA 140+01.97
N:485895.94
E:837043.18

PT 7
STA 141+54.90
N:486039.19
E:836989.65

PI 7
STA 141+41.84
N:486026.74
E:836993.63

CURVE 7
2° 59'49.39"
D 11° 27'32.96"
R 500.00'
L 26.15'
TAN 13.08'

PI
STA 7'F'+86.00
N:486119.79
E:836744.01

PI
STA 9'F'+39.77
N:486149.09
E:836894.58

PI
STA 145+65.58
N:486432.02
E:836869.97

PI
STA 146+84.33
N:486547.15
E:836840.86

END PROJECT
STA 147+50.57
N:486610.52
E:836821.56

PI
STA 142+95.17
N:486172.77
E:836946.89

FERCHLAND PLACE

9'F'

10'F'

PC 4
STA 132+06.67
N:485127.44
E:837244.94

PT 4
STA 133+43.18
N:485261.61
E:837220.78

PT 5
STA 139+20.84
N:485818.67
E:837067.90

PC 5
STA 138+77.39
N:485777.01
E:837080.24

MATCH LINE

N05° 09'38"W

C4

135

N15° 15'10"W

MONONA DRIVE

140

C5

N17° 44'33"W

C6

N20° 44'46"W

C7

PC 7
STA 141+28.75
N:486014.50
E:836998.27

N17° 44'56"W

10'C'

9'C'

145

N16° 31'35"W

ATWOOD AVENUE

N14° 11'16"W

N16° 56'16"W

150

PI STA 142+69.20
= STA 10'F'+00.00
N:486148.05
E:836954.80

PI STA 132+90.57
= STA 10'D'+00.00
N:485771.94
E:837081.62

PC 6
STA 139+88.86
N:485883.45
E:837047.17

PT 6
STA 140+15.07
N:485908.19
E:837038.54

PI 4
STA 132+90.57
N:485195.59
E:837238.78

PI 5
STA 138+99.12
N:485797.97
E:837074.52

PI STA 142+28.05
= STA 10'C'+00.00
N:486108.85
E:836967.35

11'C'

12'C'

13'C'

14'C'

N87° 59'23"E

N88° 08'36"E

11'D'

12'D'

13'D'

DAVIDSON STREET

COTTAGE GROVE ROAD

PI
STA 13'D'+52.36
N:485783.35
E:837433.80

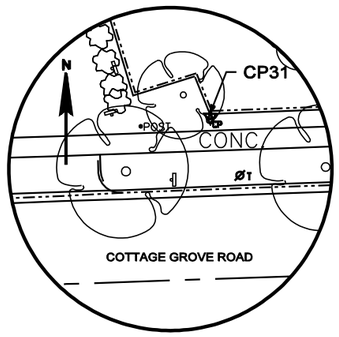
CURVE 6
3° 00'12.82"
D 11° 27'32.96"
R 500.00'
L 26.21'
TAN 13.11'

PI
STA 14'C'+58.90
N:486124.95
E:837425.96

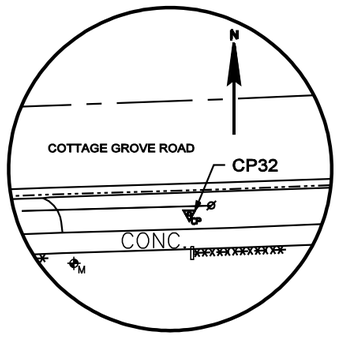
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	ALIGNMENT AND CONTROL	SHEET NO: 130	E

2

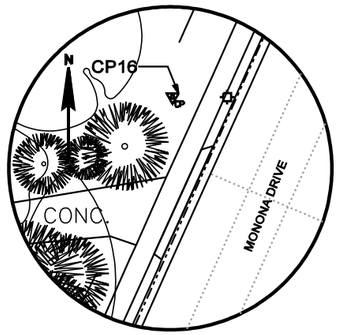
CONTROL POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
1	483,204.47	836,668.33	111+76	44' LT	MAG NAIL
3	483,290.04	836,676.20	112+62	38' LT	1/2" REBAR W/ CAP
4	482,863.56	836,742.80	108+37	37' RT	1/2" REBAR W/ CAP
5	482,929.55	836,666.42	104+64	27' LT	60D NAIL
14	483,476.21	836,697.09	114+43	37' LT	60D NAIL
15	483,717.03	836,779.83	116+90	36' LT	60D NAIL
16	483,998.90	836,902.03	119+98	40' LT	60D NAIL
21	484,661.60	837,344.54	127+61	111' RT	60D NAIL
22	484,795.03	837,347.06	128+83	91' RT	60D NAIL
25	484,943.33	837,737.43	130+08	476' RT	60D NAIL
26	485,153.32	837,951.46	131+69	706' RT	60D NAIL
27	485,081.67	837,216.53	131+64	32' LT	1" IRON PIPE
31	486,168.83	837,458.71	141+10	485' RT	60D NAIL
32	486,108.14	837,807.27	139+71	792' RT	MAG NAIL



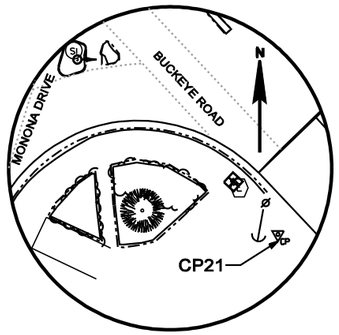
CP31



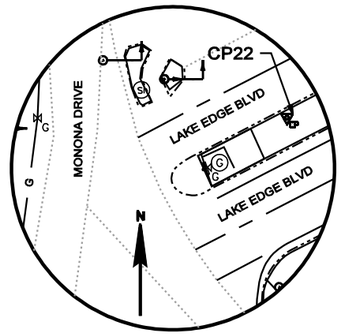
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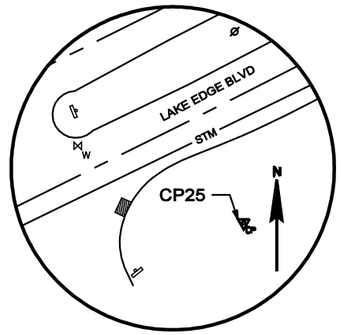
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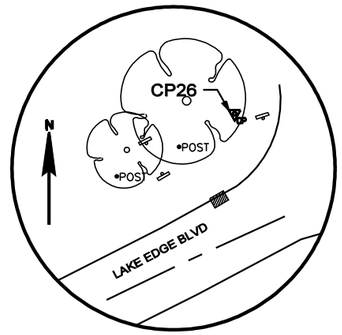
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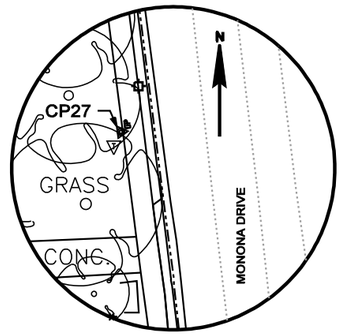
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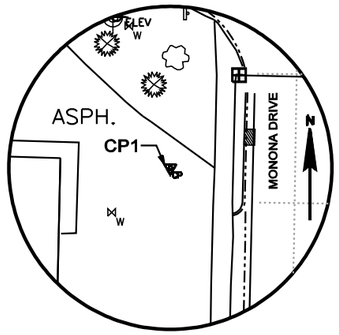
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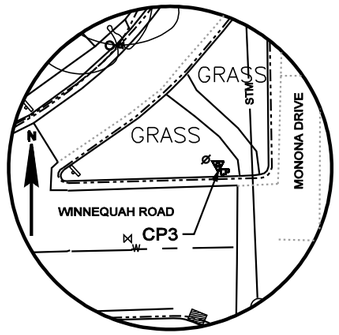
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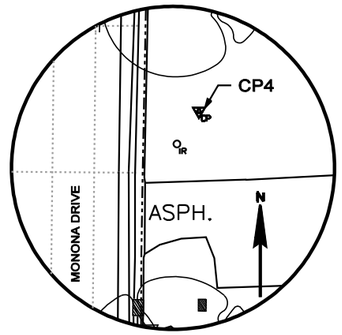
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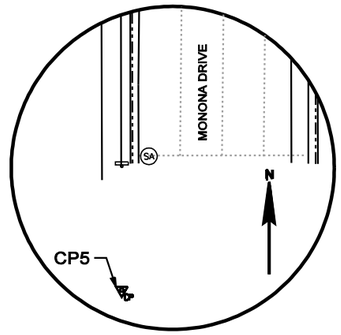
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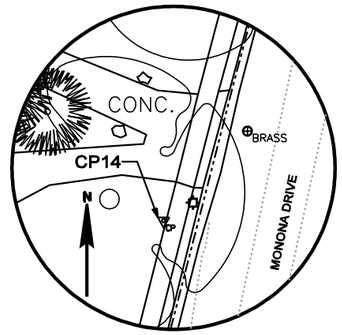
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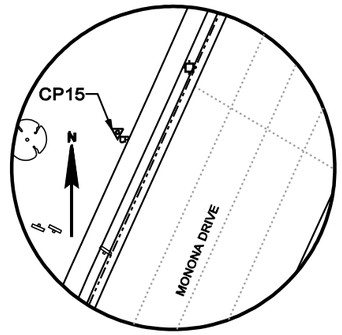
CP4



CP5



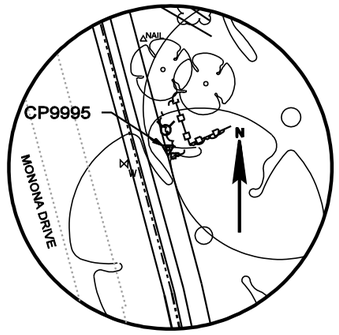
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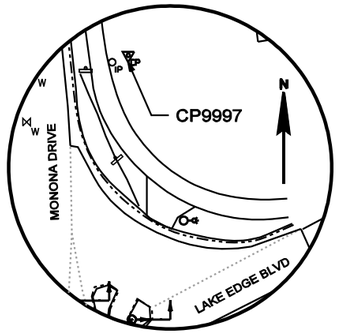
CP15

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	ALIGNMENT AND CONTROL	SHEET NO: 131	E

2

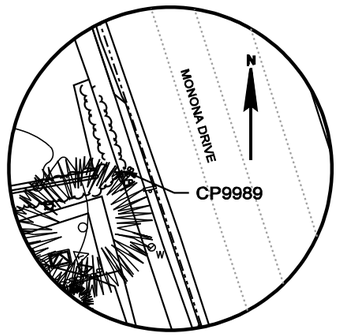


CP9995

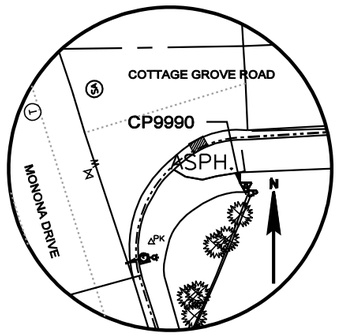


CP9997

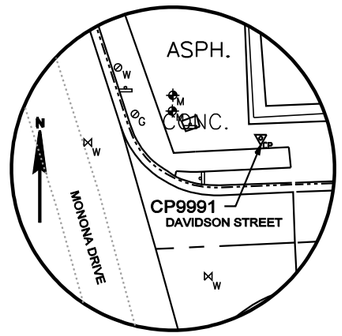
CONTROL POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
33	486,216.56	837,213.00	142+56	267' RT	60D NAIL
9982	486,824.25	836,717.15	149+85	39' LT	60D NAIL
9984	486,686.64	836,839.61	148+18	39' RT	60D NAIL
9985	486,391.70	836,923.56	145+12	40' RT	1/2" REBAR W/ CAP
9986	486,173.92	836,916.87	143+04	28' LT	60D NAIL
9988	486,150.54	837,017.55	142+52	60' RT	1/2" REBAR W/ CAP
9989	485,886.28	837,011.28	140+04	33' LT	1/2" REBAR W/ CAP
9990	486,074.19	837,046.18	141+71	64' RT	MAG NAIL
9991	485,801.04	837,131.87	138+86	56' RT	MAG NAIL
9992	485,653.20	837,079.89	137+58	33' LT	MAG NAIL
9993	485,524.25	837,183.59	136+06	33' RT	MAG NAIL
9994	485,399.37	837,141.42	134+97	40' LT	60D NAIL
9995	485,307.17	837,242.75	133+81	33' RT	60D NAIL
9997	484,874.93	837,313.73	129+55	52' RT	60D NAIL



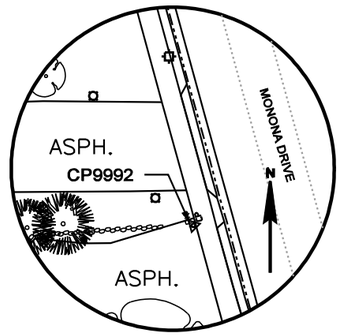
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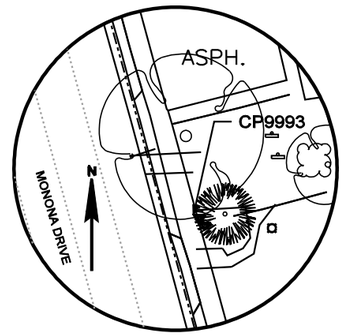
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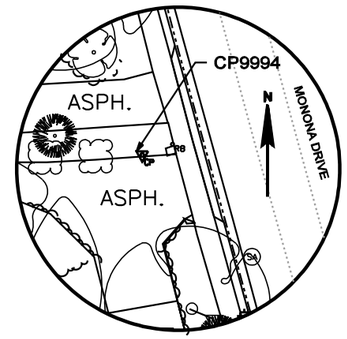
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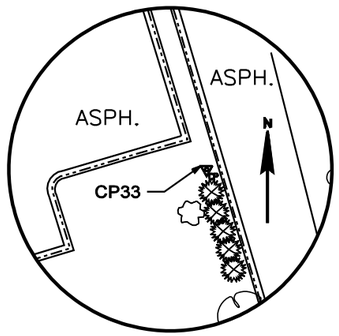
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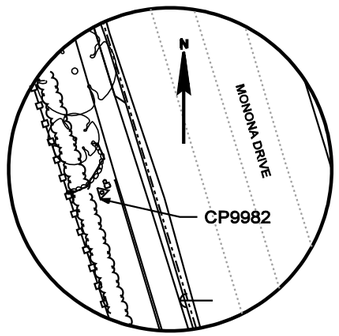
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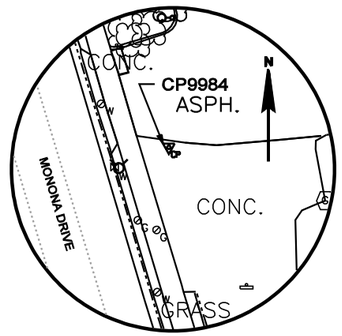
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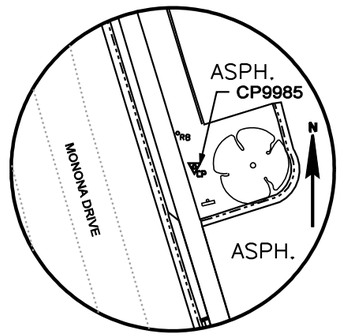
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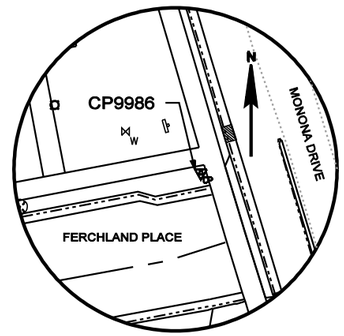
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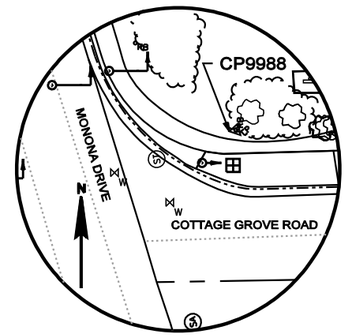
CP9984



CP9985

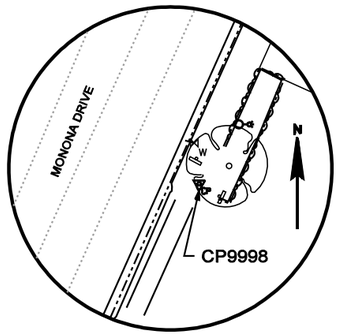


CP9986

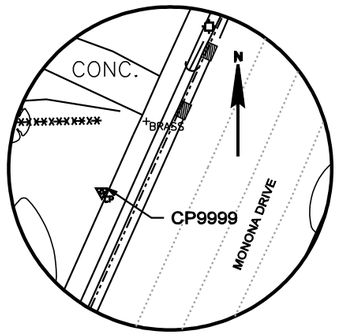


CP9988

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	ALIGNMENT AND CONTROL	SHEET NO: 132	E



CP9998



CP9999

CONTROL POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
9998	484,455.78	837,184.94	125+30	30' RT	60D NAIL
9999	484,214.72	837,005.25	122+37	34' LT	1/2" REBAR W/ CAP

BENCH MARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
1	112+15.9	60.4' LT	878.76	TOP NUT FIRE HYDRANT SW QUAD OF MONONA DR & WINNEQUAH RD
2	112+79.5	28.3' RT	876.88	TOP NUT FIRE HYDRANT NE QUAD OF MONONA DR & WINNEQUAH RD
3	118+99.3	25.5' RT	860.68	TOP NUT FIRE HYDRANT AT #4158 MONONA DR
4	123+02.1	55.8' LT	851.88	SW CORNER OF CONCRETE BASIN FOR STORM INLET AT #4115 MONONA DR
5	126+90.7	37.0' LT	859.12	OPEN ARROW ON FIRE HYDRANT AT SOUTH ENTRANCE TO #4101 CONDO
6	128+43.8	106.5' RT	859.88	TOP NUT FIRE HYDRANT BETWEEN BUCKEYE RD & LAKE EDGE BLVD
7	133+86.3	33.9' RT	866.91	TOP NUT FIRE HYDRANT BETWEEN #4032 AND #4020 MONONA DR
8	138+37.4	38.9' RT	867.36	TOP NUT FIRE HYDRANT SE QUAD OF MONONA DR & DAVIDSON ST
9	140+04.2	33.3' LT	863.44	3/4" REBAR BETWEEN #3939 AND #3909 MONONA DRIVE
10	144+14.7	30.7' LT	865.57	TOP NUT FIRE HYDRANT AT WATERCREST CONDO, NORTH OF FERCHLAND PL
11	148+16.9	24.8' RT	868.33	TOP NUT FIRE HYDRANT AT MICHAEL'S BURGERS #3826 MONONA DR
12	151+47.7	42.2' RT	865.65	TOP NUT FIRE HYDRANT SE QUAD OF MONONA DR & OLBRICH AVE

DATE 19DEC11 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	5994-00-71 QUANTITY	5994-00-75 QUANTITY	5994-00-76 QUANTITY
0010	201.0120	CLEARING	ID	1,089.000	1,089.000		
0020	201.0220	GRUBBING	ID	1,089.000	1,089.000		
0030	204.0100	REMOVING PAVEMENT	SY	22,698.000	22,698.000		
0040	204.0130	REMOVING CURB	LF	533.000	533.000		
0050	204.0150	REMOVING CURB & GUTTER	LF	5,471.000	5,471.000		
0060	204.0155	REMOVING CONCRETE SIDEWALK	SY	4,104.000	4,104.000		
0070	204.0165	REMOVING GUARDRAIL	LF	38.000	38.000		
0080	204.0195	REMOVING CONCRETE BASES	EACH	21.000	21.000		
0090	204.0210	REMOVING MANHOLES	EACH	6.000	6.000		
0100	204.0220	REMOVING INLETS	EACH	24.000	24.000		
0110	204.0245	REMOVING STORM SEWER (SIZE) 01. 12-INCH	LF	379.000	379.000		
0120	204.0245	REMOVING STORM SEWER (SIZE) 02. 24-INCH	LF	659.000	659.000		
0130	204.0245	REMOVING STORM SEWER (SIZE) 03. 30-INCH	LF	639.000	639.000		
0140	204.0245	REMOVING STORM SEWER (SIZE) 04. 30 X 60 INCH	LF	50.000	50.000		
0150	204.0245	REMOVING STORM SEWER (SIZE) 05. 34 X 53 INCH	LF	485.000	485.000		
0160	204.9060.S	REMOVING (ITEM DESCRIPTION) 01. REMOVING BRICK PILASTERS	EACH	4.000	4.000		
0170	204.9060.S	REMOVING (ITEM DESCRIPTION) 02. REMOVING COMMERCIAL SIGNS	EACH	8.000	8.000		
0180	204.9060.S	REMOVING (ITEM DESCRIPTION) 03. REMOVING LIGHT POLES	EACH	5.000	5.000		
0190	204.9165.S	REMOVING (ITEM DESCRIPTION) 01. REMOVING CONCRETE STEPS	SF	30.000	30.000		
0200	205.0100	EXCAVATION COMMON	CY	26,398.000	26,398.000		
0210	206.2000	EXCAVATION FOR STRUCTURES CULVERTS (STRUCTURE) 01. C-13-3003	LS	1.000	1.000		
0220	209.0100	BACKFILL GRANULAR	CY	1,508.000	1,508.000		
0230	213.0100	FINISHING ROADWAY (PROJECT) 01. 5994-00-71	EACH	1.000	1.000		
0240	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1,599.000	1,599.000		
0250	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	31,359.000	31,359.000		
0260	311.0110	BREAKER RUN	TON	650.000	650.000		
0270	416.0160	CONCRETE DRIVEWAY 6-INCH	SY	789.000	789.000		
0280	416.0170	CONCRETE DRIVEWAY 7-INCH	SY	144.000	144.000		
0290	455.0115	ASPHALTIC MATERIAL PG64-22	TON	310.000	310.000		
0300	455.0120	ASPHALTIC MATERIAL PG64-28	TON	177.000	177.000		
0310	455.0605	TACK COAT	GAL	710.000	710.000		
0320	460.1103	HMA PAVEMENT TYPE E-3	TON	8,129.000	8,129.000		
0330	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	5,200.000	5,200.000		
0340	460.4100.S	REHEATING HMA LONGITUDINAL JOINTS	STA	49.000	49.000		
0350	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	248.000	248.000		
0360	465.0125	ASPHALTIC SURFACE TEMPORARY	TON	456.000	456.000		
0370	502.5010	MASONRY ANCHORS TYPE L NO. 6 BARS	EACH	15.000	15.000		
0380	504.2000.S	PRECAST CONCRETE BOX CULVERT (FT X FT) 01. 8-FT X 3-FT	LF	602.000	602.000		
0390	504.2000.S	PRECAST CONCRETE BOX CULVERT (FT X FT) 02. 11-FT X 3-FT	LF	104.000	104.000		
0400	513.7030	RAILING STEEL TYPE C6 (STRUCTURE) 01. RETAINING WALL #4	LS	1.000	1.000		
0410	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	6.000	6.000		
0420	520.8000.S	CULVERT PIPE CONCRETE COLLAR	EACH	2.000	2.000		
0430	521.0757	PIPE ARCH CORRUGATED STEEL 57X38-INCH	LF	69.000	69.000		

3

DATE 19DEC11 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	5994-00-71 QUANTITY	5994-00-75 QUANTITY	5994-00-76 QUANTITY
0440	530.0112	CULVERT PIPE CORRUGATED POLYETHYLENE 12-INCH	LF	15.000	15.000		
0450	532.0200.S	WALL MODULAR BLOCK GRAVITY	SF	80.000	80.000		
0460	601.0120	CONCRETE CURB TYPE J	LF	555.000	555.000		
0470	601.0407	CONCRETE CURB & GUTTER 18-INCH TYPE D	LF	8,662.000	8,662.000		
0480	601.0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	845.000	845.000		
0490	601.0600	CONCRETE CURB PEDESTRIAN	LF	18.000	18.000		
0500	602.0410	CONCRETE SIDEWALK 5-INCH	SF	34,262.000	34,262.000		
0510	602.0415	CONCRETE SIDEWALK 6-INCH	SF	4,219.000	4,219.000		
0520	602.0420	CONCRETE SIDEWALK 7-INCH	SF	2,157.000	2,157.000		
0530	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	892.000	892.000		
0540	608.0315	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	LF	495.000	495.000		
0550	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	336.000	336.000		
0560	608.0327	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH	LF	9.000	9.000		
0570	608.0330	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH	LF	659.000	659.000		
0580	608.0336	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	LF	464.000	464.000		
0590	609.0142	RELAID STORM SEWER 42-INCH	LF	69.000	69.000		
0600	610.0114	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 14X23-INCH	LF	69.000	69.000		
0610	611.0201	MANHOLES TYPE 1	EACH	5.000	5.000		
0620	611.0210	MANHOLES TYPE 3	EACH	4.000	4.000		
0630	611.0303	INLETS TYPE 3	EACH	35.000	35.000		
0640	611.0305	INLETS TYPE 8	EACH	1.000	1.000		
0650	611.0530	MANHOLE COVERS TYPE J	EACH	13.000	13.000		
0660	611.0624	INLET COVERS TYPE H	EACH	21.000	21.000		
0670	611.0639	INLET COVERS TYPE H-S	EACH	24.000	24.000		
0680	611.0645	INLET COVERS TYPE MS-A	EACH	1.000	1.000		
0690	611.8110	ADJUSTING MANHOLE COVERS	EACH	38.000	4.000	34.000	
0700	619.1000	MOBILIZATION	EACH	1.000	1.000		
0710	620.0300	CONCRETE MEDIAN SLOPED NOSE	SF	451.000	451.000		
0720	621.1100	LANDMARK REFERENCE MONUMENTS AND CAST IRON COVERS	EACH	1.000	1.000		
0730	624.0100	WATER	MGAL	439.000	439.000		
0740	625.0100	TOPSOIL	SY	6,452.000	6,452.000		
0750	628.1104	EROSION BALES	EACH	80.000	80.000		
0760	628.1504	SILT FENCE	LF	1,115.000	1,115.000		
0770	628.1520	SILT FENCE MAINTENANCE	LF	1,115.000	1,115.000		
0780	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	12.000	12.000		
0790	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	12.000	12.000		
0800	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	6,225.000	6,225.000		
0810	628.7005	INLET PROTECTION TYPE A	EACH	2.000	2.000		
0820	628.7015	INLET PROTECTION TYPE C	EACH	66.000	66.000		
0830	629.0210	FERTILIZER TYPE B	CWT	4.060	4.060		
0840	630.0140	SEEDING MIXTURE NO. 40	LB	77.500	77.500		
0850	630.0200	SEEDING TEMPORARY	LB	16.000	16.000		
0860	631.0300	SOD WATER	MGAL	92.000	92.000		
0870	631.1000	SOD LAWN	SY	2,148.000	2,148.000		

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5994-00-71 QUANTITY	5994-00-75 QUANTITY	5994-00-76 QUANTITY
0880	632.0101	TREES (SPECIES, ROOT, SIZE) 01. AUTUMN GOLD GINGKO, B&B 2-1/2" CAL.	EACH	17.000	17.000		
0890	632.0101	TREES (SPECIES, ROOT, SIZE) 02. FT MCNAIR HORSE CHESTNUT, B&B, 2-1/2" CAL.	EACH	7.000	7.000		
0900	632.0101	TREES (SPECIES, ROOT, SIZE) 03. CLEVELAND SELECT PEAR, B&B, 2-1/2" CAL.	EACH	9.000	9.000		
0910	632.0101	TREES (SPECIES, ROOT, SIZE) 04. AUTUMN BLAZE PEAR, B&B, 2-1/2" CAL.	EACH	11.000	11.000		
0920	632.0101	TREES (SPECIES, ROOT, SIZE) 05. JAPANESE TREE LILAC, B&B, 2-1/2" CAL	EACH	3.000	3.000		
0930	632.9101	LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES	EACH	20.000	20.000		
0940	637.0202	SIGNS REFLECTIVE TYPE II	SF	369.940	369.940		
0950	637.0402	SIGNS REFLECTIVE FOLDING TYPE II	SF	43.750	43.750		
0960	638.2102	MOVING SIGNS TYPE II	EACH	1.000	1.000		
0970	638.2602	REMOVING SIGNS TYPE II	EACH	47.000	47.000		
0980	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	47.000	47.000		
0990	638.4000	MOVING SMALL SIGN SUPPORTS	EACH	1.000	1.000		
1000	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000		
1010	643.0200	TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (PROJECT) 01. 5994-00-71	DAY	184.000	184.000		
1020	643.0300	TRAFFIC CONTROL DRUMS	DAY	32,310.000	32,310.000		
1030	643.0410	TRAFFIC CONTROL BARRICADES TYPE II	DAY	1,840.000	1,840.000		
1040	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	3,712.000	3,712.000		
1050	643.0500	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	EACH	575.000	575.000		
1060	643.0600	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	EACH	575.000	575.000		
1070	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	9,548.000	9,548.000		
1080	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	230.000	230.000		
1090	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	412.000	412.000		
1100	643.0900	TRAFFIC CONTROL SIGNS	DAY	12,981.000	12,981.000		
1110	643.0905.S	TRAFFIC CONTROL COVERING SIGNS	EACH	40.000	40.000		
1120	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	828.000	828.000		
1130	645.0105	GEOTEXTILE FABRIC TYPE C	SY	1,135.000	1,135.000		
1140	645.0111	GEOTEXTILE FABRIC TYPE DF SCHEDULE A	SY	385.000	385.000		
1150	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	8,807.000	8,807.000		
1160	646.0116	PAVEMENT MARKING EPOXY 6-INCH	LF	7,154.000	7,154.000		
1170	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	301.000	301.000		
1180	646.0600	REMOVING PAVEMENT MARKINGS	LF	8,466.000	8,466.000		
1190	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	9.000	9.000		
1200	647.0206	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	EACH	10.000	10.000		
1210	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	5.000	5.000		
1220	647.0406	PAVEMENT MARKING WORDS BIKE LANE EPOXY	EACH	28.000	28.000		
1230	647.0456	PAVEMENT MARKING CURB EPOXY	LF	350.000	350.000		
1240	647.0576	PAVEMENT MARKING STOP LINE EPOXY 24-INCH	LF	641.000	641.000		
1250	647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	EACH	16.000	16.000		
1260	647.0716	PAVEMENT MARKING DIAGONAL EPOXY 8-INCH	LF	172.000	172.000		
1270	647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	507.000	507.000		
1280	647.0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	LF	761.000	761.000		
1290	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	37,889.000	37,889.000		
1300	649.0900	TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH	LF	193.000	193.000		
1310	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	64.000	64.000		
1320	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	4,570.000	4,570.000		

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5994-00-71 QUANTITY	5994-00-75 QUANTITY	5994-00-76 QUANTITY
1330	650.5000	CONSTRUCTION STAKING BASE	LF	4,570.000	4,570.000		
1340	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	10,118.000	10,118.000		
1350	650.8500	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 5994-00-71	LS	1.000	1.000		
1360	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5994-00-71	LS	1.000	1.000		
1370	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	4,570.000	4,570.000		
1380	652.0215	CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH	LF	630.000	630.000		
1390	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	4,525.000	4,525.000		
1400	652.0235	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	LF	5,748.000	5,748.000		
1410	652.0325	CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH	LF	2,026.000	2,026.000		
1420	652.0335	CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH	LF	3,817.000	3,817.000		
1430	652.0800	CONDUIT LOOP DETECTOR	LF	1,179.000	1,179.000		
1440	654.0110	CONCRETE BASES TYPE 10	EACH	2.000	2.000		
1450	655.0210	CABLE TRAFFIC SIGNAL 3-14 AWG	LF	43.000	43.000		
1460	655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	LF	1,715.000	1,715.000		
1470	655.0240	CABLE TRAFFIC SIGNAL 7-14 AWG	LF	192.000	192.000		
1480	655.0250	CABLE TRAFFIC SIGNAL 9-14 AWG	LF	1,281.000	1,281.000		
1490	655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	LF	208.000	208.000		
1500	655.0270	CABLE TRAFFIC SIGNAL 15-14 AWG	LF	363.000	363.000		
1510	655.0280	CABLE TRAFFIC SIGNAL 19-14 AWG	LF	481.000	481.000		
1520	655.0290	CABLE TRAFFIC SIGNAL 21-14 AWG	LF	124.000	124.000		
1530	655.0615	ELECTRICAL WIRE LIGHTING 10 AWG	LF	11,460.000	11,460.000		
1540	655.0620	ELECTRICAL WIRE LIGHTING 8 AWG	LF	8,302.000	8,302.000		
1550	655.0625	ELECTRICAL WIRE LIGHTING 6 AWG	LF	24,906.000	24,906.000		
1560	655.0800	LOOP DETECTOR WIRE	LF	3,172.000	3,172.000		
1570	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. TSCB1	LS	1.000	1.000		
1580	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 02. TSCB2	LS	1.000	1.000		
1590	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 03. SLCB1	LS	1.000	1.000		
1600	657.0100	PEDESTAL BASES	EACH	10.000	10.000		
1610	658.0500	PEDESTRIAN PUSH BUTTONS	EACH	14.000	14.000		
1620	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 01. BUCKEYE ROAD INTERSECTION	LS	1.000	1.000		
1630	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 02. COTTAGE GROVE ROAD INTERSECTION	LS	1.000	1.000		
1640	690.0150	SAWING ASPHALT	LF	2,634.000	2,634.000		
1650	690.0250	SAWING CONCRETE	LF	8,374.000	8,374.000		
1660	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5.00/HR	HRS	550.000	550.000		
1670	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	1,000.000	1,000.000		
1680	SPV.0060	SPECIAL 01. MANHOLE TYPE 60	EACH	7.000	7.000		
1690	SPV.0060	SPECIAL 02. MANHOLE TYPE 1 SPECIAL	EACH	4.000	4.000		
1700	SPV.0060	SPECIAL 03. SANITARY MANHOLE 4-FT	EACH	3.000		3.000	
1710	SPV.0060	SPECIAL 04. SANITARY MANHOLE COVER	EACH	8.000		8.000	
1720	SPV.0060	SPECIAL 05. ADJUST VALVE BOX	EACH	33.000	33.000		
1730	SPV.0060	SPECIAL 06. WATER MAIN GATE VALVE AND VALVE BOX 6-INCH	EACH	1.000			1.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5994-00-71 QUANTITY	5994-00-75 QUANTITY	5994-00-76 QUANTITY
1740	SPV.0060	SPECIAL 07. WATER MAIN GATE VALVE AND VALVE BOX 8-INCH	EACH	2.000			2.000
1750	SPV.0060	SPECIAL 08. WATER MAIN HYDRANTS	EACH	1.000			1.000
1760	SPV.0060	SPECIAL 09. UTILITY LINE OPENING	EACH	20.000	20.000		
1770	SPV.0060	SPECIAL 10. ELECTRICAL UTILITY ACCESS STRUCTURE	EACH	3.000	3.000		
1780	SPV.0060	SPECIAL 11. CONCRETE BASE TYPE G	EACH	10.000	10.000		
1790	SPV.0060	SPECIAL 12. CONCRETE BASE TYPE LB-3	EACH	30.000	30.000		
1800	SPV.0060	SPECIAL 13. CONCRETE BASE TYPE LB-8	EACH	5.000	5.000		
1810	SPV.0060	SPECIAL 14. CONCRETE BASE TYPE M	EACH	1.000	1.000		
1820	SPV.0060	SPECIAL 15. CONCRETE BASE TYPE P	EACH	2.000	2.000		
1830	SPV.0060	SPECIAL 16. PULL BOX TYPE I	EACH	24.000	24.000		
1840	SPV.0060	SPECIAL 17. PULL BOX TYPE III	EACH	12.000	12.000		
1850	SPV.0060	SPECIAL 18. PULL BOX TYPE V	EACH	5.000	5.000		
1860	SPV.0060	SPECIAL 19. POSTS ROUND TUBULAR STEEL 2-3/8-INCH X 14-FT	EACH	76.000	76.000		
1870	SPV.0060	SPECIAL 20. STONE VENEER WALL	EACH	8.000	8.000		
1880	SPV.0060	SPECIAL 21. ROOT PRUNING EXISTING TREES	EACH	12.000	12.000		
1890	SPV.0060	SPECIAL 22. TRANSFORMER BASE 16-INCH, BLACK STEEL	EACH	4.000	4.000		
1900	SPV.0060	SPECIAL 23. TRANSFORMER BASE 20-INCH, BLACK STEEL	EACH	2.000	2.000		
1910	SPV.0060	SPECIAL 24. TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 3.5-FOOT	EACH	1.000	1.000		
1920	SPV.0060	SPECIAL 25. TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 9-FOOT	EACH	1.000	1.000		
1930	SPV.0060	SPECIAL 26. TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 13-FOOT	EACH	4.000	4.000		
1940	SPV.0060	SPECIAL 27. TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 15-FOOT	EACH	2.000	2.000		
1950	SPV.0060	SPECIAL 28. POLE 20-FOOT, BLACK 7 GAUGE	EACH	3.000	3.000		
1960	SPV.0060	SPECIAL 29. POLE 30-FOOT, BLACK 11 GAUGE	EACH	30.000	30.000		
1970	SPV.0060	SPECIAL 30. POLE 30-FOOT, BLACK 7 GAUGE	EACH	2.000	2.000		
1980	SPV.0060	SPECIAL 31. MONOTUBE POLE, TYPE 9 BLACK	EACH	2.000	2.000		
1990	SPV.0060	SPECIAL 32. MONOTUBE ARM 25-FOOT BLACK	EACH	1.000	1.000		
2000	SPV.0060	SPECIAL 33. MONOTUBE ARM 30-FOOT BLACK	EACH	1.000	1.000		
2010	SPV.0060	SPECIAL 34. LIGHTING FIXTURES TYPE-A	EACH	20.000	20.000		
2020	SPV.0060	SPECIAL 35. LIGHTING FIXTURES TYPE-B	EACH	15.000	15.000		
2030	SPV.0060	SPECIAL 36. TRAFFIC SIGNAL CONTROL CABINET, BLACK	EACH	2.000	2.000		
2040	SPV.0060	SPECIAL 37. TRAFFIC SIGNAL CONTROLLER	EACH	2.000	2.000		
2050	SPV.0060	SPECIAL 38. NEMA PLUS CONFLICT MONITOR	EACH	2.000	2.000		
2060	SPV.0060	SPECIAL 39. TRAFFIC SIGNAL TROMBONE ARMS, BLACK ALUMINUM 12-FOOT	EACH	2.000	2.000		
2070	SPV.0060	SPECIAL 40. TRAFFIC SIGNAL TROMBONE ARMS, BLACK ALUMINUM 15-FOOT	EACH	2.000	2.000		
2080	SPV.0060	SPECIAL 41. TRAFFIC SIGNAL TROMBONE ARMS, BLACK ALUMINUM 18-FOOT	EACH	1.000	1.000		
2090	SPV.0060	SPECIAL 42. TRAFFIC SIGNAL HEADS 8-INCH, 3-SECTION VERTICAL	EACH	4.000	4.000		
2100	SPV.0060	SPECIAL 43. TRAFFIC SIGNAL HEADS 12-INCH, 3-SECTION VERTICAL	EACH	18.000	18.000		
2110	SPV.0060	SPECIAL 44. TRAFFIC SIGNAL HEADS 12-INCH, 4-SECTION VERTICAL	EACH	4.000	4.000		
2120	SPV.0060	SPECIAL 45. TRAFFIC SIGNAL HEADS 12-INCH, 5-SECTION VERTICAL	EACH	2.000	2.000		

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5994-00-71 QUANTITY	5994-00-75 QUANTITY	5994-00-76 QUANTITY
2130	SPV.0060	SPECIAL 46. TRAFFIC SIGNAL HEADS 12-INCH, 3-SECTION HORIZONTAL	EACH	5.000	5.000		
2140	SPV.0060	SPECIAL 47. TRAFFIC SIGNAL HEADS 12-INCH, PEDESTRIAN	EACH	14.000	14.000		
2150	SPV.0060	SPECIAL 48. TRAFFIC SIGNAL HEADS 12-INCH, PEDESTRIAN COUNTDOWN	EACH	14.000	14.000		
2160	SPV.0060	SPECIAL 49. BACKPLATES SIGNAL FACE, 3-SECTION 12-INCH	EACH	21.000	21.000		
2170	SPV.0060	SPECIAL 50. BACKPLATES SIGNAL FACE, 4-SECTION 12-INCH	EACH	5.000	5.000		
2180	SPV.0060	SPECIAL 51. BACKPLATES SIGNAL FACE, 5-SECTION 12-INCH	EACH	2.000	2.000		
2190	SPV.0060	SPECIAL 52. LIGHTING CONTROL CABINETS, BLACK	EACH	1.000	1.000		
2200	SPV.0060	SPECIAL 53. TEMPORARY BUS STOP PAD	EACH	3.000	3.000		
2210	SPV.0060	SPECIAL 54. INLET TYPE 3 MODIFIED	EACH	2.000	2.000		
2220	SPV.0060	SPECIAL 55. PERENNIAL, FEATHERED REED GRASS, KARL CG 24"	EACH	48.000	48.000		
2230	SPV.0060	SPECIAL 56. PERENNIAL, BLUE ZINGER SEDGE CG 12"	EACH	640.000	640.000		
2240	SPV.0060	SPECIAL 57. PERENNIAL, HAPPY RETURNS DAYLILY CG 12"	EACH	208.000	208.000		
2250	SPV.0060	SPECIAL 58. PERENNIAL, SHENANDOAH SWITCHGRASS CG 18"	EACH	48.000	48.000		
2260	SPV.0060	SPECIAL 59. RUSSIAN SAGE CG 24"	EACH	16.000	16.000		
2270	SPV.0060	SPECIAL 60. GOLDSTRUM BLACK EYED CG 18"	EACH	120.000	120.000		
2280	SPV.0060	SPECIAL 61. REMOVE EXISTING HYDRANT	EACH	1.000			1.000
2290	SPV.0060	SPECIAL 62. REMOVE EXISTING WATER VALVE BOX	EACH	1.000			1.000
2300	SPV.0060	SPECIAL 63. SANITARY SEWER INTERNAL CHIMNEY SEAL	EACH	5.000		5.000	
2310	SPV.0060	SPECIAL 64. SANITARY TAP	EACH	6.000		6.000	
2320	SPV.0060	SPECIAL 65. SANITARY MANHOLE 5-FT	EACH	3.000		3.000	
2330	SPV.0060	SPECIAL 66. INLET CASTING TYPE FLAT	EACH	7.000	7.000		
2340	SPV.0060	SPECIAL 67. INLET TYPE 15	EACH	1.000	1.000		
2350	SPV.0060	SPECIAL 68. WATER MAIN GATE VALVE AND VALVE BOX 12-INCH	EACH	2.000			2.000
2360	SPV.0090	SPECIAL 01. CONCRETE CURB & GUTTER 30-INCH SPECIAL DOUBLE PAN	LF	38.000	38.000		
2370	SPV.0090	SPECIAL 02. SANITARY SEWER MAIN 8-INCH	LF	370.000		370.000	
2380	SPV.0090	SPECIAL 03. SANITARY SEWER MAIN 10-INCH	LF	40.000		40.000	
2390	SPV.0090	SPECIAL 04. SANITARY SEWER LATERAL 6-INCH	LF	20.000		20.000	
2400	SPV.0090	SPECIAL 05. WATER MAIN 6-INCH	LF	23.000			23.000
2410	SPV.0090	SPECIAL 06. WATER MAIN 8-INCH	LF	157.000			157.000
2420	SPV.0090	SPECIAL 07. WATER SERVICE COPPER 1-INCH	LF	65.000			65.000
2430	SPV.0090	SPECIAL 08. LOOP DETECTOR LEAD-IN CABLE	LF	6,000.000	6,000.000		
2440	SPV.0090	SPECIAL 09. WATER MAIN 12-INCH	LF	28.000			28.000
2450	SPV.0105	SPECIAL 01. ABANDON WATER MAIN	LS	1.000			1.000
2460	SPV.0105	SPECIAL 02. OPTICOM SIGNAL PREEMPT	LS	1.000	1.000		
2470	SPV.0105	SPECIAL 03. TEMPORARY TRAFFIC SIGNALS (MONONA DRIVE & BUCKEYE ROAD)	LS	1.000	1.000		
2480	SPV.0105	SPECIAL 04. TEMPORARY TRAFFIC SIGNALS (MONONA DRIVE & COTTAGE GROVE ROAD)	LS	1.000	1.000		
2490	SPV.0105	SPECIAL 05. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & WINNEQUAH ROAD)	LS	1.000	1.000		

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5994-00-71 QUANTITY	5994-00-75 QUANTITY	5994-00-76 QUANTITY
2500	SPV.0105	SPECIAL 06. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & BUCKEYE ROAD)	LS	1.000	1.000		
2510	SPV.0105	SPECIAL 07. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & COTTAGE GROVE ROAD)	LS	1.000	1.000		
2520	SPV.0105	SPECIAL 08 TEMPORARY VEHICLE DETECTION (MONONA DRIVE & BUCKEYE ROAD)	LS	1.000	1.000		
2530	SPV.0105	SPECIAL 09. TEMPORARY VEHICLE DETECTION (MONONA DRIVE & COTTAGE GROVE ROAD)	LS	1.000	1.000		
2540	SPV.0105	SPECIAL 10. DEWATERING	LS	1.000		1.000	
2550	SPV.0105	SPECIAL 11. WASTEWATER CONTROL	LS	1.000		1.000	
2560	SPV.0105	SPECIAL 12. CONSTRUCTION STAKING WATER MAIN (PROJECT 5994-00-76)	LS	1.000			1.000
2570	SPV.0105	SPECIAL 13. CONSTRUCTION STAKING SANITARY SEWER PROJECT (5994-00-75)	LS	1.000		1.000	
2580	SPV.0165	SPECIAL 01. SALVAGE AND REPLACE STONE RETAINING WALL	SF	376.000	376.000		
2590	SPV.0165	SPECIAL 02. STAMPED COLORED CONCRETE SIDEWALK 5-INCH	SF	547.000	547.000		
2600	SPV.0165	SPECIAL 03. CAST IRON TRUNCATED DOMES, YELLOW	SF	272.000	272.000		
2610	SPV.0165	SPECIAL 04. SALVAGE AND REPLACE TIMBER RETAINING WALL	SF	80.000	80.000		

TREE REMOVAL

CATEGORY	STATION	LOCATION	201.0120 CLEARING IN DIA	201.0220 GRUBBING IN DIA	SPV.0060.21 ROOT PRUNING EXISTING TREES EACH
0010 STAGE 1					
	STA 112+82	RT	18	18	-
	STA 113+06	RT	24	24	-
	STA 113+37	RT	24	24	-
	STA 113+86	RT	24	24	-
	STA 114+20	RT	8	8	-
	STA 114+59	RT	22	22	-
	STA 115+12	RT	5	5	-
	STA 118+35	RT	18	18	-
	STA 118+87	RT	18	18	-
	STA 119+37	RT	16	16	-
	STA 120+00	RT	30	30	-
	STA 120+35	RT	16	16	-
	STA 120+37	RT	16	16	-
	STA 120+39	RT	16	16	-
	STA 120+65	RT	16	16	-
	STA 122+61	RT	30	30	-
	STA 124+46	RT	12	12	-
	STA 124+63	RT	12	12	-
	STA 125+38	RT	12	12	-
	STA 130+64	RT	30	30	-
	STA 133+00	RT	30	30	-
	STA 133+56	RT	30	30	-
	STA 134+01	RT	10	10	-
	STA 134+34	RT	10	10	-
	UNDISTRIBUTED				5
	STAGE 1 TOTALS		447	447	5
0010 STAGE 2					
	STA 114+00	LT	24	24	-
	STA 124+77	LT	24	24	-
	STA 125+14	LT	30	30	-
	STA 125+47	LT	14	14	-
	STA 125+54	LT	14	14	-
	STA 125+59	LT	14	14	-
	STA 125+66	LT	14	14	-
	STA 130+54	LT	4	4	-
	STA 130+80	LT	6	6	-
	STA 130+87	LT	6	6	-
	STA 134+14	LT	12	12	-
	STA 134+24	LT	8	8	-
	STA 134+28	LT	8	8	-
	STA 134+45	LT	3	3	-
	STA 134+57	LT	20	20	-
	STA 141+62	LT	16	16	-
	STA 141+67	LT	16	16	-
	STA 141+77	LT	16	16	-
	STA 141+88	LT	20	20	-
	STA 142+00	LT	20	20	-
	STA 142+09	LT	20	20	-
	STA 142+22	LT	16	16	-
	STA 142+27	LT	16	16	-
	STA 142+33	LT	16	16	-
	STA 142+44	LT	16	16	-
	STA 144+55	LT	16	16	-
	STA 144+63	LT	14	14	-
	STA 144+74	LT	14	14	-
	STA 144+82	LT	5	5	-
	STA 145+00	LT	20	20	-

TREE REMOVAL (CONTINUED)

CATEGORY	STATION	LOCATION	201.0120 CLEARING IN DIA	201.0220 GRUBBING IN DIA	SPV.0060.21 ROOT PRUNING EXISTING TREES EACH
	STA 145+00	LT	6	6	-
	STA 145+10	LT	6	6	-
	STA 145+15	LT	6	6	-
	STA 145+35	LT	6	6	-
	STA 145+40	LT	6	6	-
	STA 147+02	LT	16	16	-
	STA 7'W'+25	WINNEQUAH RT	24	24	-
	STA 7'W'+27	WINNEQUAH LT	24	24	-
	STA 7'W'+51	WINNEQUAH LT	24	24	-
	STA 8'W'+21	WINNEQUAH RT	30	30	-
	STA 8'W'+64	WINNEQUAH LT	20	20	-
	STA 9'F'+17	FERCHLAND LT	2	2	-
	STA 8'F'+81	FERCHLAND LT	2	2	-
	UNDISTRIBUTED		-	-	5
	STAGE 2 TOTALS		614	614	5
0010 STAGE 3					
	STA 10'W'+68	WINNEQUAH LT	10	10	-
	STA 11'C'+00	COTTAGE GROVE LT	18	18	-
	UNDISTRIBUTED		-	-	2
	STAGE 3 TOTALS		28	28	2
	TOTAL 0010		1089	1089	12

REMOVING PAVEMENT

CATEGORY	STATION	STATION	LOCATION	204.0100 SY
0010	STAGE 1			
		STA 123+08 - STA 123+33	STORM SEWER CROSSING	125
		STA 127+75 - STA 10'L'+92	STORM SEWER CROSSING	375
			STAGE 1 TOTAL	500
0010	STAGE 2			
		STA 111+54 - STA 147+51	LT	10655
			STAGE 2 TOTAL	10655
0010	STAGE 3			
		STA 111+54 - STA 147+51	RT	10241
			STAGE 3 TOTAL	10241
0010				
	STAGE 4	STA 111+54 - STA 126+90	CL	792
		STA 129+90 - STA 141+15	CL	448
		STA 145+92 - STA 147+51	CL	62
			STAGE 4 TOTAL	1302
			TOTAL 0010	22698

NOTE: QUANTITY INCLUDES CONCRETE ISLANDS WITHIN PAVEMENT LIMITS

REMOVING CURB

CATEGORY		STATION - STATION	LOCATION	204.0130 LF
0010	STAGE 1			
		STA 123+70 - STA 124+72	RT, PARKING LOT	232
		STA 125+29 - STA 125+65	RT, PARKING LOT	70
		STA 122+55 - STA 122+85	RT, PARKING LOT	96
		STA 122+85 - STA 127+53	RT, PARKING LOT	135
			STAGE 1 TOTAL	533
			TOTAL 0010	533

REMOVING CURB & GUTTER

CATEGORY		STATION - STATION	LOCATION	204.0150 LF
0010	STAGE 1			
		STA 110+00 - STA 112+10	MAINLINE	202
		STA 112+80 - STA 122+55	MAINLINE	962
		STA 122+55 - STA 122+85	MAINLINE	27
		STA 122+85 - STA 127+53	MAINLINE	476
		STA 130+30 - STA 133+43	MAINLINE	266
		STA 133+43 - STA 138+22	MAINLINE	482
		STA 138+92 - STA 141+55	MAINLINE	263
		STA 142+75 - STA 148+00	MAINLINE	525
			STAGE 1 TOTAL	3203
0010	STAGE 2			
		STA 7'W'+19 RT - STA 9'W'+75 RT	WINNEQUAH	263
		STA 7'W'+11 LT - STA 9'W'+37 LT	WINNEQUAH	243
		STA 9'W'+20 - STA 9'W'+75	WINNEQUAH	177
		STA 7'F'+86 RT - STA 9'F'+72 RT	FERCHLAND	184
		STA 7'F'+86 LT - STA 9'F'+72 LT	FERCHLAND	175
			STAGE 2 TOTAL	1042
0010	STAGE 3			
		STA 10'W'+25 RT - STA 10'W'+53 RT	WINNEQUAH	34
		STA 10'W'+25 LT - STA 11'W'+58 LT	WINNEQUAH	140
		STA 10'B'+95 RT - STA 13'B'+00 RT	BUCKEYE	213
		STA 10'B'+95 LT - STA 13'B'+00 LT	BUCKEYE	47
		STA 11'L'+41 RT - STA 10'L'+91 RT	LAKE EDGE	109
		STA 10'L'+30 LT - STA 10'L'+91 LT	LAKE EDGE	288
		STA 10'D'+25 RT - STA 10'D'+63 RT	DAVIDSON	40
		STA 10'D'+25 LT - STA 10'D'+63 LT	DAVIDSON	48
		STA 10'C'+38 RT - STA 11'C'+65 RT	COTTAGE GROVE	147
		STA 10'C'+38 LT - STA 11'C'+65 LT	COTTAGE GROVE	160
			STAGE 3 TOTAL	1226
			TOTAL 0010	5471

REMOVING CONCRETE SIDEWALK

GROUP CODE	STATION	STATION - STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	STAGE 1			
		STA 123+28 - STA 127+53	MAINLINE	440
		STA 129+32 - STA 138+40	MAINLINE	532
		STA 138+82 - STA 141+62	MAINLINE	194
		STA 142+73 - STA 147+51	MAINLINE	283
			STAGE 1 TOTAL	1449
0010	STAGE 2			
		STA 111+54 - STA 112+20	MAINLINE	34
		STA 112+60 - STA 112+87	MAINLINE	20
		STA 113+15 - STA 147+51	MAINLINE	2028
		145+30	LT STEPS	9
		STA 8'W'+82 - STA 9'W'+49	WINNEQUAH	38
		STA 8'F'+70 - STA 9'F'+65	FERCHLAND	52
			STAGE 2 TOTAL	2181
0010	STAGE 3			
		STA 11'B'+00 RT - STA 13'B'+00	BUCKEYE	227
		STA 10'B'+90 LT - STA 11'B'+13	BUCKEYE	13
		STA 12'B'+28 LT - STA 12'B'+61	BUCKEYE	17
		STA 10'L'+52 LT - STA 10'L'+91	LAKE EDGE	40
		STA 10'D'+26 LT - STA 10'D'+60	DAVIDSON	20
		STA 10'C'+46 RT - STA 11'C'+62	COTTAGE GROVE	77
		STA 10'C'+30 LT - STA 11'C'+62	COTTAGE GROVE	80
			STAGE 3 TOTAL	474
			TOTAL 0010	4104

REMOVING GUARDRAIL

CATEGORY	STATION	STATION - STATION	LOCATION	204.0165 LF
0010	STAGE 1			
		STA 129+18 - STA 129+50	RT	38
			STAGE 1 TOTAL	38
			TOTAL 0010	38

REMOVING CONCRETE BASES

CATEGORY	STATION	LOCATION	204.0195 EACH
0010	STAGE 2		
	128+00	29 LT	1
	128+70	20 LT	1
	141+63	22 LT	1
	142+23	22 LT	1
	142+61	21 LT	1
		STAGE 2 TOTAL	5
0010	STAGE 3		
	126+65	RT SIGN BASE	1
	11'B'+02	25 RT	1
	10'L'+44	37 RT	1
	141+62	33RT	1
	10'C'+42	32 RT	1
	142+78	33 RT	1
		STAGE 3 TOTAL	6
		TOTAL 0010	11
0020	STAGE 1		
	123+90	38 RT	1
	124+30	33 RT	1
	125+50	33 RT	1
	126+65	42 RT	1
	138+95	40 RT	1
	139+90	40 RT	1
	141+70	50 RT	1
	145+60	40 RT	1
	146+22	40 RT	1
	146+78	35 RT	1
		STAGE 1 TOTAL	10
		TOTAL 0020	10
		TOTAL	21

REMOVING MANHOLES

CATEGORY	STATION	LOCATION	204.0210 EACH
0010	STAGE 1		
	123+25	25 RT	1
	10'L'+83	21 RT	1
		STAGE 1 TOTAL	2
0010	STAGE 2		
	112+25	27 LT	1
	132+97	24 LT	1
		STAGE 2 TOTAL	2
0010	STAGE 3		
	128+24	70 RT	1
	11'B'+81	26 RT	1
		STAGE 3 TOTAL	2
		TOTAL 0010	6

REMOVING INLETS

CATEGORY	STATION	LOCATION	204.0220 EACH
0010	STAGE 1		
	123+24	22 RT	1
	123+27	37 RT	1
	124+83	39 RT	1
		STAGE 1 TOTAL	3
0010	STAGE 2		
	111+85	24 LT	1
	112+22	43 LT	1
	113+49	38 LT	1
	118+29	24 LT	1
	122+65	24 LT	1
	122+82	24 LT	1
	122+98	24 LT	1
	128+61	20 LT	1
	134+24	24 RT	1
	134+23	24 LT	1
	142+67	18 LT	1
	143+13	18 LT	1
	11'B'+81	20 LT	1
	12'B'+16	21 RT	1
		STAGE 2 TOTAL	14
0010	STAGE 3		
	112+23	33 RT	1
	118+26	23 RT	1
	122+84	22 RT	1
	122+99	22 RT	1
	134+24	24 RT	1
	141+85	56 RT	1
	143+13	30 RT	1
		STAGE 3 TOTAL	7
		TOTAL 0010	24

REMOVING STORM SEWER

				SIZE				
CATEGORY	FROM STATION	TO STATION	LOCATION	204.0245 12 INCH LF	204.0245 24 INCH LF	204.0245 30 INCH LF	204.0245 30X60 INCH LF	204.0245 34X53 INCH LF
0010	STAGE 1							
	123+05	123+08	RT & LT	-	-	39	-	
	123+40	128+25	RT					485
			STAGE 1 TOTAL	0	0	39	0	485
0010	STAGE 2							
	113+15	113+45	LT	-	-	30	-	-
	117+00	122+70	LT	-	-	570	-	-
	118+27	118+29	LT	23	-	-	-	-
	128+49	128+60	RT & LT	-	40	-	-	-
	128+61	132+98	LT	-	437	-	-	-
	132+98	134+25	LT	-	127	-	-	-
	134+23	134+23	LT	22	-	-	-	-
			STAGE 2 TOTAL	45	604	600	0	0
0010	STAGE 3							
	118+26	118+27	RT	22	-	-	-	-
	122+85	123+15	RT	30	-	-	-	-
	128+25	128+49	RT	-	55	-	-	-
	134+23	134+23	RT	24	-	-	-	-
	142+52	143+11	RT	59	-	-	-	-
	10'B'+90	11'B'+80	RT & LT	96	-	-	-	-
	11'B'+80	11'B'+86	RT & LT	38	-	-	-	-
	10'L'+25	10'L'+75	RT		-	-	50	-
	10'C'+29	10'C'+54	RT & LT	65	-	-	-	-
			STAGE 3 TOTAL	334	55	0	50	0
			TOTAL 0010	379	659	639	50	485

REMOVING BRICK PILASTERS

CATEGORY		STATION	LOCATION	204.9060.S.01 EACH	COMMENT
0020	STAGE 2				
		133+75	LT	1	WITH LIGHT
		134+05	LT	1	WITH LIGHT
		134+75	LT	1	WITHOUT LIGHT
		134+97	LT	1	WITHOUT LIGHT
			STAGE 2 TOTAL	4	
			TOTAL 0020	4	

REMOVING LIGHT POLES

CATEGORY	STATION	LOCATION	204.9060.S.03 EACH
0020	STAGE 1		
	124+30	33 RT	1
	125+50	33 RT	1
	141+50	22 LT	1
	141+65	22 LT	1
	145+60	21 LT	1
		TOTAL 0020	5

REMOVING COMMERCIAL SIGNS

CATEGORY		STATION	LOCATION	SIZE	204.9060.S.02 EACH	DESCRIPTION
0020	STAGE 1					
		123+90	38 RT	8 FT X 2.5 FT	1	CAFÉ CREMA
		126+65	42 RT	15 FT X 15 FT	1	LAKE EDGE SHOPPING CENTER
		138+95	40 RT	6 FT X 7 FT	1	HAIR WORKS
		139+90	40 RT	8 FT X 12 FT	1	JAVA CAT/HAIR WORKS
		141+70	50 RT	10FT X 3.5 FT	1	EXHAUST PROS
		145+60	40 RT	5 FT X 8 FT	1	HARLEY'S BAIT & LIQUOR
		146+22	40 RT	6 FT X 4 FT	1	AMERICAN FAMILY INSURANCE
		146+78	35 RT	6 FT X 3 FT	1	AFFILIATED INSURANCE
			STAGE 1 TOTAL		8	
			TOTAL 0030		8	

REMOVING CONCRETE STEPS

CATEGORY	STATION	LOCATION	204.9165.S.01 SF
0020	STAGE 2		
	145+30	LT	30
		TOTAL 0020	30

EARTHWORK SUMMARY

CATEGORY	STAGE	205.0100 EXCAVATION COMMON (1) CUT (2) CY	UNDISTRIBUTED EBS (3) CY	UNUSABLE CONCRETE PAVEMENT CY	USABLE FILL CY	UNEXPANDED FILL CY	ADJUSTED FILL (4) CY	WASTE (5) CY	209.0100 BACKFILL GRANULAR (6) CY
0010	STAGE 1	3779	189	111	3479	8	10	3658	227
	STAGE 2	8968	448	2150	6370	163	195	6623	538
	STAGE 3	12394	620	2275	9499	15	18	10101	743
	TOTAL 0010	25141	1257	4536	19348	186	223	20382	1508

(1) EXCAVATION COMMON IS THE SUM OF CUT AND UNDISTRIBUTED EBS
(2) CUT INCLUDES CONCRETE PAVEMENT
(3) EBS EXCAVATION TO BE BACKFILLED WITH BACKFILL GRANULAR
(4) AN EXPANSION FACTOR OF 1.2 WAS USED TO EXPAND THE FILL
(5) WASTE INCLUDES CONCRETE PAVEMENT
(6) AN EXPANSION FACTOR OF 1.2 WAS USED TO EXPAND BACKFILL GRANULAR FOR EBS FILL

BASE AGGREGATE DENSE

CATEGORY	STATION	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1-1/4 INCH TON	624.0100 WATER MGAL
0010	STAGE 1					
		STA 110+00 - STA 112+17	RT	-	79	1
		STA 112+75 - STA 127+70	RT	-	549	8
		STA 129+27 - STA 138+35	RT	-	337	5
		STA 138+84 - STA 141+72	RT	-	104	2
		STA 142+60 - STA 148+00	RT	-	197	3
		TEMPORARY DRIVEWAYS			100	2
		STA 111+54 - STA 126+90	SS CROSSING PATCH		110	2
		STA 127+75 - STA 10'L'+92	SS CROSSING PATCH		335	5
			SIDEWALKS & DRIVEWAYS	560	0	0
			STAGE 1 TOTALS	560	1811	27
0010	STAGE 2					
		STA 111+54 - STA 112+42	LT	-	269	4
		STA 112+42 - STA 128+75	LT	-	4980	75
		STA 128+75 - STA 138+72	LT	-	2850	43
		STA 138+72 - STA 142+78	LT	-	1155	17
		STA 142+78 - STA 147+52	LT		1241	19
		STA 7'W'+18 - STA 9'W'+39	WINNEQUAH	-	1029	15
		STA 8'F'+70 - STA 9'F'+11	FERCHLAND	-	450	7
		TEMPORARY DRIVEWAYS			1000	
			SIDEWALKS & DRIVEWAYS	812	0	0
			STAGE 2 TOTALS	812	12974	180
0010	STAGE 3					
		STA 111+54 - STA 112+42	RT	-	256	4
		STA 112+42 - STA 128+75	RT	-	4870	73
		STA 128+75 - STA 138+72	RT	-	3200	48
		STA 138+72 - STA 142+78	RT	-	1237	19
		STA 142+78 - STA 147+52	RT	-	1858	28
		STA 10'W'+54 - STA 11'W'+52	WINNEQUAH	-	524	8
		STA 11'B'+58 - STA 13'B'+02	BUCKEYE	-	1469	22
		STA 10'L'+52 - STA 12'L'+24	LAKE EDGE	-	1135	17
		STA 10'D'+30 - STA 10'D'+63	DAVIDSON	-	135	2
		STA 10'C'+94 - STA 11'C'+65	COTTAGE GROVE	-	790	12
		STA 123+25 - STA 127+75	PARKING LOT	-	500	-
		TEMPORARY DRIVEWAYS			600	
			SIDEWALKS & DRIVEWAYS	194	0	0
			STAGE 3 TOTAL	194	16574	232
0010	STAGE 4					
			MEDIAN ISLANDS	33	-	0
			STAGE 4 TOTAL	33	0	0
			TOTALS 0010	1599	31359	439

CONCRETE DRIVEWAY

CATEGORY	STATION	LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0170 CONCRETE DRIVEWAY 7-INCH SY
0020 STAGE 1				
	STA 116+45	RT	13	-
	STA 117+16	RT	10	-
	STA 118+04	RT	5	-
	STA 120+15	RT	24	-
	STA 129+98	RT	27	-
	STA 130+29	RT	23	-
	STA 132+52	RT	5	-
	STA 134+24	RT	2	-
	STA 137+12	RT	-	13
	STA 144+80	RT	-	30
	STA 145+77	RT	-	26
	STA 147+39	RT	-	11
		STAGE 1 TOTALS	109	80
0020 STAGE 2				
	STA 114+68	LT	58	-
	STA 119+67	LT	17	-
	STA 122+68	LT	10	-
	STA 124+57	LT	44	-
	STA 125+44	LT	24	-
	STA 125+88	LT	14	-
	STA 126+73	LT	44	-
	STA 128+13	LT	37	-
	STA 131+05	LT	1	-
	STA 131+31	LT	1	-
	STA 132+17	LT	15	-
	STA 132+74	LT	14	-
	STA 133+25	LT	38	-
	STA 133+94	LT	11	-
	STA 134+86	LT	29	-
	STA 135+11	LT	6	-
	STA 135+73	LT	5	-
	STA 136+03	LT	5	-
	STA 136+71	LT	10	-
	STA 137+46	LT	13	-
	STA 137+80	LT	12	-
	STA 138+81	LT	15	-
	STA 139+48	LT	36	-
	STA 145+75	LT	20	-
	STA 7'W'+88	WINNEQUAH RT	38	-
	STA 8'W'+79	WINNEQUAH LT	21	-
		STAGE 2 TOTALS	538	0

CONCRETE DRIVEWAY (CONTINUED)

GROUP CODE	STATION	LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0170 CONCRETE DRIVEWAY 7-INCH SY
0020 STAGE 3				
	STA 115+40	RT	9	-
	STA 116+45	RT	7	-
	STA 117+16	RT	9	-
	STA 118+04	RT	5	-
	STA 120+15	RT	5	-
	STA 121+99	RT	10	-
	STA 122+37	RT	11	-
	STA 125+00	RT	28	-
	STA 129+98	RT	12	-
	STA 130+29	RT	11	-
	STA 134+50	RT	5	-
	STA 134+74	RT	12	-
	STA 135+95	RT	5	-
	STA 136+55	RT	7	-
	STA 137+12	RT	-	8
	STA 139+50	RT	-	15
	STA 140+48	RT	-	14
	STA 144+80	RT	-	13
	STA 145+77	RT	-	7
	STA 147+39	RT	-	7
	STA 12'B'+45	BUCKEYE LT	18	-
	STA 12'B'+63	BUCKEYE RT	-	20
	STA 11'L'+11	LAKE EDGE RT	22	-
		STAGE 3 TOTAL	142	64
TOTAL 0020			739	144

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	465.0125 ASPHALTIC SURFACE TEMPORARY TON
0010	STAGE 1							
		STA 110+00 - STA 112+17	RT	-	-	2	-	26
		STA 112+75 - STA 127+70	RT	-	-	16	-	199
		STA 129+27 - STA 138+35	RT	-	-	10	-	122
		STA 138+84 - STA 141+72	RT	-	-	3	-	38
		STA 142+60 - STA 148+00	RT	-	-	6	-	71
			STAGE 1 TOTALS	0	0	37	0	456
0010	STAGE 2							
		STA 111+54 - STA 112+42	LT	3	-	-	50	-
		STA 112+42 - STA 128+75	LT	56	-	-	956	-
		STA 128+75 - STA 138+72	LT	33	-	-	546	-
		STA 138+72 - STA 142+78	LT	13	-	-	221	-
		STA 142+78 - STA 147+52	LT	14	-	-	234	-
		STA 7'W'+18 - STA 9'W'+39	WINNEQUAH	11	-	-	180	-
		STA 8'F'+70 - STA 9'F'+11	FERCHLAND	4	-	-	72	-
			STAGE 2 TOTALS	134	0	0	2259	0
0010	STAGE 3							
		STA 111+54 - STA 112+42	RT	3	-	-	48	-
		STA 112+42 - STA 128+75	RT	53	-	-	902	-
		STA 128+75 - STA 138+72	RT	37	-	-	614	-
		STA 138+72 - STA 142+78	RT	15	-	-	242	-
		STA 142+78 - STA 147+52	RT	21	-	-	351	-
		STA 10'W'+54 - STA 11'W'+52	WINNEQUAH	6	-	-	100	-
		STA 11'B'+58 - STA 13'B'+02	BUCKEYE	17	-	-	278	-
		STA 10'L'+52 - STA 12'L'+24	LAKE EDGE	12	-	-	192	-
		STA 10'D'+30 - STA 10'D'+63	DAVIDSON	2	-	-	28	-
		STA 10'C'+94 - STA 11'C'+65	COTTAGE GROVE	10	-	-	159	-
			STAGE 3 TOTALS	176	0	0	2914	0
0010	STAGE 4							
		STA 111+54 - STA 112+42	MAINLINE	-	3	13	56	-
		STA 112+42 - STA 128+75	MAINLINE	-	64	242	1062	-
		STA 128+75 - STA 138+72	MAINLINE	-	40	151	662	-
		STA 138+72 - STA 142+78	MAINLINE	-	16	60	265	-
		STA 142+78 - STA 147+52	MAINLINE	-	20	76	334	-
		STA 7'W'+18 - STA 9'W'+39	WINNEQUAH	-	6	23	103	-
		STA 8'F'+70 - STA 9'F'+11	FERCHLAND	-	2	9	41	-
		STA 10'W'+54 - STA 11'W'+52	WINNEQUAH	-	3	13	57	-
		STA 11'B'+58 - STA 13'B'+02	BUCKEYE	-	10	36	159	-
		STA 10'L'+52 - STA 12'L'+24	LAKE EDGE	-	7	25	110	-
		STA 10'D'+30 - STA 10'D'+63	DAVIDSON	-	1	4	16	-
		STA 10'C'+94 - STA 11'C'+65	COTTAGE GROVE	-	5	21	91	-
			STAGE 4 TOTALS	0	177	673	2956	0
			TOTAL 0010	310	177	710	8129	456

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

CATEGORY	STATION - STATION	LOCATION	460.4100.S STA
0010	STAGE 4		
	111+50 - 147+50	MAINLINE	36
	7'W'+20 - 9'W'+62	WINNEQUAH	4
	10'W'+38 - 11'W'+60	WINNEQUAH	2
	10'B'+00 - 13'B'+00	BUCKEYE	2
	10'L'+00 - 12'L'+22	LAKE EDGE	3
	10'C'+38 - 11'C'+55	COTTAGE GROVE	2
		TOTAL 0010	49

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

CATEGORY		STATION	LOCATION	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010	STAGE 1			
		STA 115+40	RT	1
		STA 121+99	RT	2
		STA 122+37	RT	2
		STA 123+28 - STA 127+35	PARKING LOT RT	122
		STA 134+50	RT	1
		STA 134+74	RT	1
		STA 135+95	RT	2
		STA 136+55	RT	3
		STA 137+12	RT	3
		STA 138+87 - STA 141+31	PARKING LOT RT	28
		STA 144+80	RT	6
		STA 145+77	RT	5
		STA 11'B'+25 - STA 13'B'+00	BUCKEYE PARKING LOT RT	28
			STAGE 1 TOTALS	204
0010	STAGE 2			
		STA 128+79	LT	1
		STA 129+24	LT	1
		STA 129+71	LT	1
		STA 133+94	LT	3
		STA 135+11	LT	1
		STA 135+73	LT	1
		STA 136+03	LT	1
		STA 136+71	LT	2
		STA 137+46	LT	4
		STA 137+80	LT	8
		STA 138+81	LT	2
		STA 140+33	LT	6
		STA 140+78	LT	2
		STA 145+75	LT	6
		STA 7'W'+67	WINNEQUAH LT	4
		STA 7'W'+88	WINNEQUAH RT	1
			STAGE 2 TOTALS	44
			TOTAL 0010	248

CULVERT PIPE CONCRETE COLLARS

CATEGORY	STATION	LOCATION	520.8000.S EACH
0010	STAGE 2		
	111+62	LT	1
		TOTAL 0010	1

WALL MODULAR BLOCK GRAVITY

CATEGORY	STATION - STATION	LOCATION	532.0200.S WALL MODULAR BLOCK GRAVITY SF
0010	STAGE 1		
	143+66 - 143+79	RT	80
		TOTAL 0010	80

CONCRETE CURB & GUTTER

CATEGORY	STATION	STATION - STATION	LOCATION	601.0120 CONCRETE CURB TYPE J LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.01 CONCRETE CURB & GUTTER 30-INCH SPECIAL DOUBLE PAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	STAGE 2								
		STA 111+54 - STA 111+65	LT	-	-	11	-	-	11
		STA 111+65 - STA 112+25	LT	-	72	-	-	-	72
		STA 112+56 - STA 142+38	LT	-	2988	-	-	-	2988
		STA 143+37 - STA 146+41	LT	-	304	-	-	-	304
		STA 146+41 - STA 147+51	LT	-	-	106	-	-	106
		STA 142+36 - STA 142+54	LT				18	-	18
		STA 7'W'+19 - STA 9'W'+43	WINNEQUAH RT	-	-	224	-	-	224
		STA 7'W'+19 - STA 9'W'+39	WINNEQUAH LT	-	-	219	-	-	219
		STA 140+06 - STA 140+30						24	24
		STA 140+54 - STA 140+68	LT PARKING LOT					14	14
		STA 8'F'+71 - STA 9'F'+83	FERCHLAND RT	-	114	-	-	-	114
		STA 8'F'+72 - STA 9'F'+62	FERCHLAND LT	-	113	-	-	-	113
		STA 9'F'+44 - STA 9'F'+69	FERCHLAND ISLAND	-	54	-	-	-	54
			STAGE 2 TOTALS	0	3645	562	18	38	4263
0010	STAGE 3								
		STA 110+00 - STA 111+60	RT	-	-	60	-	-	60
		STA 111+60 - STA 112+08	RT	-	48	-	-	-	48
		STA 112+82 - STA 127+52	RT	-	1468	-	-	-	1468
		STA 125+26 - STA 127+56	RT PARKING LOT	401	-	-	-	-	401
		STA 129+31 - STA 138+44	RT	-	938	-	-	-	938
		STA 138+71 - STA 141+55	RT	-	312	-	-	-	312
		STA 142+81 - STA 144+66	RT	-	202	-	-	-	202
		STA 144+96 - STA 148+00	RT	-	319	-	-	-	319
		STA 10'W'+25 - STA 11'W'+00	WINNEQUAH RT	-	83	-	-	-	83
		STA 10'W'+27 - STA 11'W'+50	WINNEQUAH LT	-	129	-	-	-	129
		STA 11'B'+00 - STA 13'B'+00	BUCKEYE RT	-	80	142	-	-	222
		STA 10'B'+85 - STA 11'B'+06	BUCKEYE ISLAND	-	49	-	-	-	49
		STA 10'B'+91 - STA 13'B'+00	BUCKEYE LT	-	125	81	-	-	206
		STA 10'L'+28 - STA 12'L'+08	LAKE EDGE RT	-	313	-	-	-	313
		STA 10'L'+31 - STA 10'L'+50	LAKE EDGE ISLAND	-	32	-	-	-	32
		STA 10'L'+28 - STA 12'L'+17	LAKE EDGE LT	-	340	-	-	-	340
		STA 10'C'+30 - STA 11'C'+64	RT PARKING LOT	154				-	154
		STA 10'C'+53 - STA 11'C'+64	COTTAGE GROVE RT	-	124	-	-	-	124
		STA 10'C'+25 - STA 11'C'+64	COTTAGE GROVE LT	-	154	-	-	-	154
			STAGE 3 TOTALS	555	4716	283	0	0	5554
0010	STAGE 4								
		STA 126+95 - STA 127+53	MEDIAN ISLAND	-	112	-	-	-	112
		STA 128+75 - STA 129+11	MEDIAN ISLAND	-	72	-	-	-	72
		STA 140+97 - STA 141+72	MEDIAN ISLAND	-	117	-	-	-	117
			STAGE 4 TOTALS	0	301	0	0	0	301
			0010 TOTALS	555	8662	845	18	38	10118

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF
0010 STAGE 1					
	STA 112+04 - STA 112+23	RT	177	-	-
	STA 112+67 - STA 115+25	RT	1256	-	-
	STA 115+45 - STA 116+35	RT	439	-	-
	STA 116+52 - STA 117+07	RT	268	-	-
	STA 117+23 - STA 117+91	RT	362	-	-
	STA 118+08 - STA 120+06	RT	986	-	-
	STA 120+20 - STA 121+83	RT	834	-	-
	STA 122+08 - STA 122+26	RT	90	-	-
	STA 122+50 - STA 123+26	RT	391	-	-
	STA 123+70 - STA 127+40	RT	1918	-	-
	STA 129+32 - STA 129+85	RT	266	-	-
	STA 130+06 - STA 130+23	RT	72	-	-
	STA 130+40 - STA 134+40	RT	2053	-	-
	STA 134+57 - STA 134+62	RT	29	-	-
	STA 134+83 - STA 135+79	RT	488	-	-
	STA 136+08 - STA 137+01	RT	483	-	-
	STA 136+32 - STA 136+77	RT	-	-	159
	STA 137+26 - STA 138+38	RT	556	-	-
	STA 137+77 - STA 139+31	RT	288	-	-
	STA 139+68 - STA 140+31	RT	352	-	-
	STA 140+68 - STA 141+50	RT	421	-	-
	STA 142+79 - STA 144+65	RT	1098	-	-
	STA 144+96 - STA 145+65	RT	350	-	-
	STA 145+90 - STA 147+11	RT	584	-	-
	STA 115+25 - STA 115+45	RT	-	95	-
	STA 116+35 - STA 116+52	RT	-	67	-
	STA 117+07 - STA 117+23	RT	-	88	-
	STA 117+91 - STA 118+08	RT	-	60	-
	STA 120+06 - STA 120+20	RT	-	76	-
	STA 121+83 - STA 122+08	RT	-	99	-
	STA 122+26 - STA 122+50	RT	-	119	-
	STA 123+26 - STA 123+70	RT	-	-	204
	STA 124+84 - STA 125+26	RT	-	-	164
	STA 129+85 - STA 130+06	RT	-	105	-
	STA 130+23 - STA 130+40	RT	-	101	-
	STA 134+40 - STA 134+57	RT	-	60	-
	STA 134+62 - STA 134+83	RT	-	125	-
	STA 135+79 - STA 136+08	RT	-	99	-
	STA 137+01 - STA 137+26	RT	-	-	125
	STA 139+31 - STA 139+68	RT	-	-	155
	STA 140+31 - STA 140+68	RT	-	-	150
	STA 144+65 - STA 144+96	RT	-	-	140
	STA 145+65 - STA 145+90	RT	-	-	125
	STAGE 1 TOTALS		13761	1094	1222

CONCRETE SIDEWALK (CONTINUED)

CATEGORY	STATION - STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF
0010 STAGE 2					
	STA 111+54 - STA 112+00	LT	227	-	-
	STA 112+79 - STA 114+53	LT	904	-	-
	STA 114+78 - STA 119+57	LT	2437	-	-
	STA 119+78 - STA 122+61	LT	1415	-	-
	STA 122+74 - STA 124+23	LT	879	-	-
	STA 124+66 - STA 125+31	LT	329	-	-
	STA 125+50 - STA 125+82	LT	175	-	-
	STA 125+96 - STA 126+57	LT	436	-	-
	STA 126+88 - STA 127+93	LT	776	-	-
	STA 128+36 - STA 128+72	LT	251	-	-
	STA 128+93 - STA 129+11	LT	122	-	-
	STA 129+35 - STA 129+63	LT	191	-	-
	STA 129+77 - STA 130+97	LT	879	-	-
	STA 131+12 - STA 131+26	LT	107	-	-
	STA 131+34 - STA 132+06	LT	477	-	-
	STA 132+25 - STA 132+70	LT	213	-	-
	STA 132+79 - STA 133+11	LT	149	-	-
	STA 133+30 - STA 133+81	LT	232	-	-
	STA 134+08 - STA 134+76	LT	375	-	-
	STA 134+94 - STA 135+03	LT	44	-	-
	STA 135+16 - STA 135+68	LT	264	-	-
	STA 135+78 - STA 135+97	LT	92	-	-
	STA 136+06 - STA 136+59	LT	277	-	-
	STA 136+80 - STA 137+28	LT	216	-	-
	STA 137+55 - STA 137+67	LT	56	-	-
	STA 137+93 - STA 138+71	LT	388	-	-
	STA 139+02 - STA 139+31	LT	155	-	-
	STA 139+56 - STA 140+29	LT	382	-	-
	STA 140+53 - STA 140+69	LT	110	-	-
	STA 140+95 - STA 142+53	LT	956	-	-
	STA 141+15 - STA 141+45	LT	-	-	270
	STA 143+48 - STA 145+52	LT	1055	-	-
	STA 145+98 - STA 147+51	LT	788	-	-
	STA 114+53 - STA 114+78	LT	-	133	-
	STA 119+57 - STA 119+78	LT	-	98	-
	STA 122+61 - STA 122+74	LT	-	57	-
	STA 124+23 - STA 124+66	LT	-	96	-
	STA 125+31 - STA 125+50	LT	-	75	-
	STA 125+82 - STA 125+96	LT	-	61	-
	STA 126+57 - STA 126+88	LT	-	221	-
	STA 127+93 - STA 128+36	LT	-	251	-
	STA 128+72 - STA 128+93	LT	-	-	165
	STA 129+11 - STA 129+35	LT	-	-	186
	STA 129+63 - STA 129+77	LT	-	103	-
	STA 130+97 - STA 131+12	LT	-	113	-
	STA 131+26 - STA 131+34	LT	-	72	-
	STA 132+06 - STA 132+25	LT	-	85	-
	STA 132+70 - STA 132+79	LT	-	47	-
	STA 133+11 - STA 133+30	LT	-	123	-
	STA 133+81 - STA 134+08	LT	-	-	109
	STA 134+76 - STA 134+94	LT	-	80	-
	STA 135+03 - STA 135+16	LT	-	62	-
	STA 135+68 - STA 135+78	LT	-	50	-
	STA 135+97 - STA 136+06	LT	-	48	-
	STA 136+59 - STA 136+80	LT	-	120	-
	STA 137+28 - STA 137+55	LT	-	139	-
	STA 137+67 - STA 137+93	LT	-	123	-
	STA 138+71 - STA 139+02	LT	-	149	-
	STA 139+31 - STA 139+56	LT	-	125	-
	STA 140+29 - STA 140+53	LT	-	188	-

3

CONCRETE SIDEWALK (CONTINUED)

CATEGORY		STATION - STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF
		STA 140+69 - STA 140+95	LT	-	174	-
		STA 145+52 - STA 145+98	LT	-	223	-
		STA 8'W'+61 - STA 8'W'+75	WINNEQUAH LT	64	-	-
		STA 8'W'+75 - STA 8'W'+84	WINNEQUAH LT	-	50	-
		STA 8'W'+84 - STA 9'W'+61	WINNEQUAH LT	452	-	-
		STA 9'W'+48 - STA 9'W'+71	WINNEQUAH RT	198	-	-
		STA 8'F'+70 - STA 9'F'+69	FERCHLAND LT	719	-	-
		STA 9'F'+46 - STA 9'F'+69	FERCHLAND ISLAND	99	-	-
			STAGE 2 TOTALS	16889	3066	730
0010	STAGE 3					
		STA 11'B'+05 - STA 12'B'+41	BUCKEYE RT	885	-	-
		STA 12'B'+41 - STA 12'B'+83	BUCKEYE RT	-	-	205
		STA 12'B'+83 - STA 13'B'+00	BUCKEYE RT	86	-	-
		STA 10'B'+88 - STA 11'B'+06	BUCKEYE ISLAND	61	-	-
		STA 10'B'+92 - STA 11'B'+75	BUCKEYE LT	546	-	-
		STA 12'B'+28 - STA 12'B'+38	BUCKEYE LT	50	-	-
		STA 12'B'+38 - STA 12'B'+51	BUCKEYE LT	-	59	-
		STA 12'B'+51 - STA 12'B'+61	BUCKEYE LT	50	-	-
		STA 10'L'+29 - STA 10'L'+50	LAKE EDGE ISLAND	62	-	-
		STA 10'L'+50 - STA 10'L'+74	LAKE EDGE LT	267	-	-
		STA 10'L'+37 - STA 10'L'+42	LAKE EDGE MEDIAN	49		
		STA 10'C'+27 - STA 11'C'+64	COTTAGE GROVE LT	771	-	-
		STA 10'C'+53 - STA 11'C'+64	COTTAGE GROVE RT	682	-	-
			STAGE 3 TOTALS	3509	59	205
0010	STAGE 4					
		STA 126+57 - STA 127+57	MEDIAN ISLAND	48	-	-
		STA 128+69 - STA 129+13	MEDIAN ISLAND	-	-	-
		STA 140+53 - STA 141+66	MEDIAN ISLAND	55	-	-
			STAGE 4 TOTALS	103	0	0
			TOTAL 0010	34262	4219	2157

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 S.S.P.R.C. CL III 12-INCH LF	608.0315 S.S.P.R.C. CL III 15-INCH LF	608.0318 S.S.P.R.C. CL III 18-INCH LF	608.0327 S.S.P.R.C. CL III 27-INCH LF	608.0330 S.S.P.R.C. CL III 30-INCH LF	608.0336 S.S.P.R.C. CL III 36-INCH LF	610.0114 S.S.P.R.C.H.E. CL HE-III 14X23 INCH LF	609.0142 RELAID STORM SEWER 42 INCH LF	* 521.0757 P.A.C.S. 57X38 INCH LF	530.0112 CULVERT PIPE CORRUGATED POLYETHYLENE 12-INCH LF	504.2000.S.01 PRECAST CONCRETE BOX CULVERT 8-FT X 3-FT LF	504.2000.S.02 PRECAST CONCRETE BOX CULVERT 11-FT X 3-FT LF
0010	CONNECTION	1.0	-	-	-	-	29	-	-	-	-	-	-	-
	1.0	2.0	-	-	-	-	29	-	-	-	-	-	-	-
	2.0	2.1	33	-	-	-	-	-	-	-	-	-	-	-
	2.1	2.2	35	-	-	-	-	-	-	-	-	-	-	-
	2.0	2.3	-	51	-	-	-	-	-	-	-	-	-	-
	2.3	2.4	26	-	-	-	-	-	-	-	-	-	-	-
	2.3	2.5	31	-	-	-	-	-	-	-	-	-	-	-
	2.5	2.6	37	-	-	-	-	-	-	-	-	-	-	-
	2.0	3.0	-	-	-	-	143	-	-	-	-	-	-	-
	3.0	4.0	-	-	-	-	191	-	-	-	-	-	-	-
	4.0	4.1	52	-	-	-	-	-	-	-	-	-	-	-
	4.0	5.0	-	-	-	-	267	-	-	-	-	-	-	-
	5.0	5.1	51	-	-	-	-	-	-	-	-	-	-	-
	5.0	6.0	-	-	-	-	-	222	-	-	-	-	-	-
	6.0	6.1	51	-	-	-	-	-	-	-	-	-	-	-
	6.0	7.0	-	-	-	-	-	213	-	-	-	-	-	-
	7.0	8.0	-	-	-	-	-	29	-	-	-	-	-	-
	8.0	8.1	-	-	10	-	-	-	-	-	-	-	-	-
	8.1	8.6	7	-	-	-	-	-	-	-	-	-	-	-
	8.1	8.2	-	53	-	-	-	-	-	-	-	-	-	-
	8.2	8.3	7	-	-	-	-	-	-	-	-	-	-	-
	9.1	11' X 3' BOX	-	-	-	9	-	-	-	-	-	-	-	-
	8.0	9.2	-	-	-	-	-	-	-	-	-	-	-	94
	9.2	9.3	-	-	-	-	-	-	-	-	-	-	148	-
	9.3	10.0	-	-	-	-	-	-	-	-	-	-	176	-
	8' X 3' BOX	9.4	-	4	-	-	-	-	-	-	-	-	-	-
	10.0	10.1	33	-	-	-	-	-	-	-	-	-	-	-
	10.1	10.2	3	-	-	-	-	-	-	-	-	-	-	-
	10.0	11.0	-	-	-	-	-	-	-	-	-	-	140	-
	11.0	11.1	-	-	16	-	-	-	-	-	-	-	-	-
	11.1	11.2	-	-	84	-	-	-	-	-	-	-	-	-
	11.2	11.3	6	-	-	-	-	-	-	-	-	-	-	-
	11.2	11.4	-	43	-	-	-	-	-	-	-	-	-	-
	11.4	11.5	6	-	-	-	-	-	-	-	-	-	-	-
	11.0	12.0	-	-	-	-	-	-	-	-	-	-	56	-
	12.0	13.0	-	-	-	-	-	-	68	-	-	-	-	-
	13.0	13.1	18	-	-	-	-	-	-	-	-	-	-	-
	13.1	13.2	2	-	-	-	-	-	-	-	-	-	-	-
	13.2	13.3	54	-	-	-	-	-	-	-	-	-	-	-
	13.0	14.0	-	-	34	-	-	-	-	-	-	-	-	-
	14.0	15.0	-	-	92	-	-	-	-	-	-	-	-	-
	15.0	16.0	-	-	100	-	-	-	-	-	-	-	-	-
	16.0	16.1	60	-	-	-	-	-	-	-	-	-	-	-
	16.1	INTAKE	-	-	-	-	-	-	-	-	-	15	-	-
	16.0	17.0	-	204	-	-	-	-	-	-	-	-	-	-
	17.0	18.0	-	140	-	-	-	-	-	-	-	-	-	-
	18.0	18.1	6	-	-	-	-	-	-	-	-	-	-	-
	18.0	18.2	53	-	-	-	-	-	-	-	-	-	-	-
	18.2	18.3	6	-	-	-	-	-	-	-	-	-	-	-

* MINIMUM WALL THICKNESS = 0.109 INCHES

STORM SEWER PIPE REINFORCED CONCRETE (CONTINUED)

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 S.S.P.R.C. CL III 12-INCH LF	608.0315 S.S.P.R.C. CL III 15-INCH LF	608.0318 S.S.P.R.C. CL III 18-INCH LF	608.0327 S.S.P.R.C. CL III 27-INCH LF	608.0330 S.S.P.R.C. CL III 30-INCH LF	608.0336 S.S.P.R.C. CL III 36-INCH LF	610.0114 S.S.P.R.C.H.E. CL HE-III 14X23 INCH LF	609.0142 RELAID STORM SEWER 42 INCH LF	* 521.0757 P.A.C.S. 57X38 INCH LF	530.0112 CULVERT PIPE CORRUGATED POLYETHYLENE 12-INCH LF	504.2000.S.01 PRECAST CONCRETE BOX CULVERT 8-FT X 3-FT LF	504.2000.S.02 PRECAST CONCRETE BOX CULVERT 11-FT X 3-FT LF
0010	19.0	19.1	29	-	-	-	-	-	-	-	-	-	-	-
	19.1	19.2	6	-	-	-	-	-	-	-	-	-	-	-
	19.0	EX MH	107	-	-	-	-	-	-	-	-	-	-	-
	EX MH	20.0	43	-	-	-	-	-	-	-	-	-	-	-
	20.0	20.1	5	-	-	-	-	-	-	-	-	-	-	-
	EX MH	21.0	35	-	-	-	-	-	-	-	-	-	-	-
	EX MH	22.0	30	-	-	-	-	-	-	-	-	-	-	-
	EX MH	23.0	28	-	-	-	-	-	-	-	-	-	-	-
	23.0	23.1	26	-	-	-	-	-	-	-	-	-	-	-
	23.1	23.2	6	-	-	-	-	-	-	-	-	-	-	-
	12.0	25.0	-	-	-	-	-	-	-	-	-	-	83	-
	25.0	EX MH	-	-	-	-	-	-	-	69	-	-	-	-
	25.0	EX MH	-	-	-	-	-	-	-	-	69	-	-	-
		TOTAL 0010	892	495	336	9	659	464	68	69	69	15	603	94

* MINIMUM WALL THICKNESS = 0.109 INCHES

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	OFFSET (1)	611.0201 MANHOLE TYPE 1 EACH	611.0210 MANHOLE TYPE 3 EACH	611.0303 INLET TYPE 3 EACH	611.0305 INLET TYPE 8 EACH	SPV.0060.01 MANHOLE TYPE 60 EACH	SPV.0060.02 MANHOLE TYPE 1 SPECIAL EACH	SPV.0060.54 INLET TYPE 3 MODIFIED EACH	SPV.0060.67 MANHOLE TYPE 15 EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0530 MANHOLE COVER TYPE J EACH	611.0645 INLET COVER TYPE MS-A EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	TOP OF CURB/RIM ELEV.	TOP OF STRUCTURE ELEV.	OUTLET INVERT ELEV.	DEPTH OF STRUCTURE
0010																				
	CONNECTION	111+62	23.5' LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	865.29	-
	1.0	111+91.89	27.5 LT	-	-	-	-	1	-	-	-	1	-	-	-	1	875.42	874.17	864.74	9.72
	2.0	112+23.80	27.6 LT	-	-	-	-	1	-	-	-	-	-	1	-	1	874.67	873.59	862.86	11.02
	2.1	112+20.81	63.92 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	874.45	873.20	869.93	3.44
	2.2	112+58.76	65.99 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	874.37	873.12	870.39	2.90
	2.3	112+25.77	27.00 RT	1	-	-	-	-	-	-	-	-	-	1	-	1	874.67	873.59	864.01	9.77
	2.4	111+97.15	28.5 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	875.37	874.12	869.56	4.73
	2.5	112+26.12	60.97 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	874.46	873.21	869.55	3.83
	2.6	112+66.56	58.77 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	874.38	873.13	870.02	3.28
	3.0	113+67.56	33.47 LT	-	-	-	-	1	-	-	-	-	-	1	-	1	871.79	870.71	860.43	10.57
	4.0	115+56.55	27.25 LT	-	-	-	-	1	-	-	-	1	-	-	-	1	866.67	865.42	857.44	8.27
	4.1	115+56.56	28.49 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	866.64	865.39	863.12	2.44
	5.0	118+24.92	27.50 LT	-	1	-	-	-	-	-	-	1	-	-	-	1	858.65	857.40	851.95	5.78
	5.1	118+24.93	28.50 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	858.60	857.35	855.31	2.21
	6.0	120+51.02	27.50 LT	-	1	-	-	-	-	-	-	1	-	-	-	1	854.69	853.44	849.02	4.75
	6.1	120+51.03	28.50 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	854.64	853.39	851.31	2.25
	7.0	122+71.00	27.25 LT	-	1	-	-	-	-	-	-	1	-	-	-	1	853.23	851.98	846.84	5.47
	8.0 EX MH	123+06	47 LT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	845.95	-
	8.1	122+98.90	28.50 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	853.14	851.89	848.00	4.10
	8.2	122+98.89	28.50 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	853.14	851.89	849.50	2.58
	8.3	122+89.68	28.50 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	853.15	851.90	849.67	2.40
	8.4	123+08.12	28.50 RT	-	-	-	-	-	-	1	-	-	1	-	-	1	853.14	851.89	851.67	0.39
	8.5	123+08.10	28.50 LT	-	-	-	-	-	-	1	-	-	1	-	-	1	853.14	851.89	851.54	0.52
	8.6	122+89.69	28.50 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	853.15	851.90	849.14	2.93
	9.1	123+26.96	50.36 RT	-	1	-	-	-	-	-	-	-	-	1	-	1	854.04	852.96	849.00	4.23
	9.2	123+36	37 RT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	847.97	-
	9.3	124+88.65	37.06 RT	-	-	-	-	-	1	-	-	-	-	1	-	1	853.50	852.42	852.02	1.14
	9.4	124+88.67	46.99 RT	-	-	-	1	-	-	-	-	-	-	-	1	1	853.50	852.25	849.64	2.80
	10.0	126+98.84	42.21 RT	-	-	-	-	-	1	-	-	-	-	1	-	1	856.66	855.58	852.46	3.86
	10.1	127+02.21	5.46 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	856.94	855.69	853.43	2.43
	10.2	127+02.33	2.55 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	856.98	855.73	853.53	2.37

STORM SEWER STRUCTURES (CONTINUED)

CATEGORY	STRUCTURE I.D.	STATION	OFFSET (1)	611.0201 MANHOLE TYPE 1 EACH	611.0210 MANHOLE TYPE 3 EACH	611.0303 INLET TYPE 3 EACH	611.0305 INLET TYPE 8 EACH	SPV.0060.01 MANHOLE TYPE 60 EACH	SPV.0060.02 MANHOLE TYPE 1 SPECIAL EACH	SPV.0060.54 INLET TYPE 3 MODIFIED EACH	SPV.0060.67 INLET TYPE 15 EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0530 MANHOLE COVER TYPE J EACH	611.0645 INLET COVER TYPE MS-A EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	TOP OF CURB/RIM ELEV.	TOP OF STRUCTURE ELEV.	OUTLET INVERT ELEV.	DEPTH OF STRUCTURE
0010																				
	11.0	127+93.79	62.51 RT	-	-	-	-	-	1	-	-	-	-	1	-	1	855.85	854.77	852.61	2.90
	12.0	128+41.67	74.84 RT	-	-	-	-	-	1	-	-	-	-	1	-	1	856.24	855.16	852.75	3.15
	13.0	128+60.51	4.50 RT	-	-	-	-	1	-	-	-	-	-	1	-	1	857.41	856.33	852.35	4.21
	13.1	128+80.56	12.50 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	857.75	856.50	853.48	3.19
	13.2	128+80.65	13.67 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	857.73	856.48	853.60	3.05
	13.3	129+22.66	51.11 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	857.27	856.02	854.24	1.95
	14.0	128+81.96	27.50 LT	-	-	-	-	1	-	-	-	1	-	-	-	1	857.47	856.22	853.50	2.93
	15.0	129+80.37	22.97 LT	1	-	-	-	-	-	-	-	-	-	1	-	1	858.08	857.00	854.54	2.67
	16.0	130+86.47	27.39 LT	-	-	-	-	1	-	-	-	1	-	-	-	1	860.12	858.87	855.66	3.42
	16.1	130+88.44	36.14 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	859.98	858.73	857.16	1.74
	INTAKE	130+98.5	47' RT	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	857.33	-
	17.0	132+96.89	22.99 LT	1	-	-	-	-	-	-	-	-	-	1	-	1	863.09	862.22	857.97	4.44
	18.0	134+41.00	28.50 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	863.24	861.99	859.48	2.70
	18.1	134+50.00	28.50 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	863.28	862.03	859.79	2.41
	18.2	134+41.00	28.50 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	863.21	861.96	860.63	1.50
	18.3	134+50.00	28.50 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	863.25	862.00	860.79	1.38
	19.0	141+40.56	39.32 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	863.28	862.03	855.71	6.49
	19.1	141+50.78	8.44 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	863.59	862.34	857.46	5.05
	19.2	141+50.80	2.50 RT	-	-	1	-	-	-	-	-	1	-	-	-	1	863.59	862.34	857.62	4.89
	20.0	142+98.39	39.54 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	862.28	861.03	858.40	2.80
	20.1	143+06.35	38.74 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	862.32	861.07	858.54	2.70
	21.0	142+30.30	28.50 LT	-	-	1	-	-	-	-	-	1	-	-	-	1	862.63	861.38	857.94	3.61
	22.0	142+60.29	50.00 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	862.07	860.82	858.09	2.90
	23.0	142+95.64	28.51 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	862.42	861.17	858.08	3.26
	23.1	143+22.05	38.12 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	862.18	860.93	858.74	2.36
	23.2	143+28.67	33.75 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	862.22	860.97	858.89	2.25
	11.1	11'B'+20.21	21.80 RT	1	-	-	-	-	-	-	-	-	-	1	-	1	855.73	854.65	850.30	4.56
	11.2	12'B'+07.00	23.00 RT	1	-	-	-	-	-	-	-	-	1	-	-	1	855.85	854.60	852.05	2.76
	11.3	12'B'+16.00	23.00 RT	-	-	1	-	-	-	-	-	-	1	-	-	1	855.86	854.61	852.57	2.21
	11.4	12'B'+07.00	24.50 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	855.78	854.53	852.73	1.99
	11.5	12'B'+16.00	24.50 LT	-	-	1	-	-	-	-	-	-	1	-	-	1	855.78	854.53	852.89	1.81
	EX MH	142+51.5	38' RT	-	-	-	-	-	-	-	-	-	-	-	-	1	861.93	-	-	-
	EX MH	142+67	18' LT	-	-	-	-	-	-	-	-	-	-	-	-	1	862.25	-	-	-
	25.0	11'L'+10.00	20.50 RT	-	-	-	-	-	-	-	1	-	-	1	-	1	854.68	853.60	848.17	6.27
			TOTAL 0010	5	4	35	1	7	4	2	1	21	24	13	1	64				

ADJUSTING MANHOLE COVERS

PROJECT ID: 5994-00-71

CATEGORY		STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH
0010	STAGE 2			
		142+67	18 LT	1
			TOTAL STAGE 2	1
0010	STAGE 3			
		142+52	38 RT	1
			TOTAL STAGE 3	1
0010	STAGE 4			
		142+67	18 LT	1
		142+52	38 RT	1
			TOTAL STAGE 4	2
			0010 TOTAL	4

ADJUSTING MANHOLE COVERS (CONTINUED)

PROJECT ID: 5994-00-75

CATEGORY		STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH
0010	STAGE 2			
		8'W'+65	10 LT	1
		124+29	27 LT	1
		126+07	24 LT	1
		128+05	12 LT	1
		129+41	15 LT	1
		130+93	16 LT	1
		134+63	19 LT	1
		136+52	21 LT	1
		137+25	23 LT	1
			STAGE 2 TOTAL	9
0010	STAGE 3			
		112+55	66 RT	1
		11'B'+30	24 LT	1
		10'L'+76	32 RT	1
		11'L'+07	8 LT	1
		11'L'+43	8 LT	1
		141+21	27 RT	1
		142+08	34 RT	1
			STAGE 3 TOTAL	7
0010	STAGE 4			
		8'W'+65	10 LT	1
		124+29	27 LT	1
		126+07	24 LT	1
		128+05	12 LT	1
		129+41	15 LT	1
		130+93	16 LT	1
		134+63	19 LT	1
		136+52	21 LT	1
		137+25	23 LT	1
		112+55	66 RT	1
		11'B'+30	24 LT	1
		10'L'+76	32 RT	1
		11'L'+07	8 LT	1
		11'L'+43	8 LT	1
		141+21	27 RT	1
		142+08	34 RT	1
			STAGE 4 TOTAL	16
			0010 TOTAL	32
0020	STAGE 3	142+07	34' RT	1
		10'W'+65	9' LT	1
			0020 TOTAL	2

CONCRETE MEDIAN SLOPED NOSE

CATEGORY		STATION	LOCATION	620.0300 TYPE 1 SF	620.0300 TYPE 2 SF
0010	STAGE 2				
		STA 9'F'+44 - STA 9'F'+69	FERCHLAND ISLAND	-	40
			STAGE 2 TOTAL	0	40
0010	STAGE 3				
		STA 10'B'+85 - STA 11'B'+06	BUCKEYE ISLAND	-	49
		STA 10'L'+28 - STA 10'L'+34	LAKE EDGE MEDIAN	57	-
		STA 10'L'+31 - STA 10'L'+50	LAKE EDGE ISLAND	-	65
			STAGE 3 TOTAL	57	114
0010	STAGE 4				
		STA 126+92 - STA 126+98	MEDIAN ISLAND	39	-
		STA 127+53 - STA 127+59	MEDIAN ISLAND	52	-
		STA 128+69 - STA 128+75	MEDIAN ISLAND	36	-
		STA 129+11 - STA 129+14	MEDIAN ISLAND	-	10
		STA 140+97 - STA 141+01	MEDIAN ISLAND	50	-
		STA 141+66 - STA 141+72	MEDIAN ISLAND	53	-
			STAGE 4 TOTAL	230	10
			TOTAL 0010	287	164

LANDMARK REFERENCE MONUMENTS AND CAST IRON COVERS

CATEGORY	STATION	LOCATION	621.1100 EACH
0010	STAGE 2		
	114+70	20 LT	1
		TOTAL 0010	1

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY*	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	STAGE 1								
	111+54 - 112+14	MONONA DR RT	81	81	0.05	1.5	-	-	-
	112+83 - 115+28	MONONA DR RT	45	151	0.03	0.8	-	-	-
	115+50 - 116+36	MONONA DR RT	29	67	0.02	0.5	-	-	-
	116+54 - 117+08	MONONA DR RT	27	50	0.02	0.5	-	-	-
	117+25 - 117+95	MONONA DR RT	15	46	0.01	0.3	-	-	-
	118+10 - 120+04	MONONA DR RT	41	127	0.03	0.7	-	-	-
	120+23 - 121+84	MONONA DR RT	140	212	0.09	2.5	-	-	-
	122+10 - 122+26	MONONA DR RT	4	12	0.00	0.1	-	-	-
	122+52 - 123+26	MONONA DR RT	56	86	0.04	1.0	-	-	-
	123+72 - 124+87	MONONA DR RT	99	151	0.06	1.8	-	-	-
	125+27 - 127+40	MONONA DR RT	0	99	0.00	0.0	-	-	-
	127+47 - 127+65	MONONA DR RT	58	71	0.04	1.0	-	-	-
	129+16 - 129+85	MONONA DR RT	66	98	0.04	1.2	-	-	-
	130+12 - 130+19	MONONA DR RT	21	25	0.01	0.4	-	-	-
	130+42 - 134+41	MONONA DR RT	120	299	0.08	2.2	-	-	-
	134+56 - 134+61	MONONA DR RT	2	3	0.00	0.0	-	-	-
	134+88 - 135+80	MONONA DR RT	19	50	0.01	0.3	-	-	-
	136+05 - 136+35	MONONA DR RT	11	21	0.01	0.2	-	-	-
	136+64 - 137+00	MONONA DR RT	13	23	0.01	0.2	-	-	-
	137+26 - 138+23	MONONA DR RT	31	57	0.02	0.6	-	-	-
	138+90 - 139+08	MONONA DR RT	43	63	0.03	0.8	-	-	-
	139+69 - 140+29	MONONA DR RT	23	53	0.01	0.4	-	-	-
	140+66 - 141+54	MONONA DR RT	0	38	0.00	0.0	-	-	-
	141+58 - 141+62	MONONA DR RT	55	59	0.03	1.0	-	-	-
	142+55 - 142+79	MONONA DR RT	0	12	0.00	0.0	-	-	-
	142+89 - 144+66	MONONA DR RT	203	309	0.13	3.7	-	-	-
	144+98 - 145+65	MONONA DR RT	25	44	0.02	0.5	-	-	-
	145+98 - 147+28	MONONA DR RT	16	58	0.01	0.3	-	-	-
	UNDISTRIBUTED		-	-	-	-	5	-	-
		STAGE 1 TOTAL	1244	2365	1	22	5	0	0
0010	STAGE 2								
	111+54 - 112+08	MONONA DR LT	41	29	0.03	0.5	-	0.80	12
	112+75 - 114+51	MONONA DR LT	284	203	0.18	3.7	-	5.43	81
	114+77 - 119+56	MONONA DR LT	616	402	0.39	7.2	-	14.42	214
	119+80 - 122+57	MONONA DR LT	447	323	0.28	5.8	-	8.32	123
	122+75 - 124+48	MONONA DR LT	201	126	0.13	2.3	-	5.06	75
	124+68 - 125+28	MONONA DR LT	71	43	0.04	0.8	-	1.91	28
	125+51 - 125+80	MONONA DR LT	30	17	0.02	0.3	-	0.87	13
	125+96 - 126+00	MONONA DR LT	2	0	0.00	0.0	-	0.10	2
	125+96 - 126+53	MONONA DR LT	21	21	0.01	0.4	-	-	-
	126+91 - 127+94	MONONA DR LT	108	108	0.07	1.9	-	-	-
	128+30 - 128+50	MONONA DR LT	8	8	0.01	0.2	-	-	-
	128+94 - 129+09	MONONA DR LT	1	1	0.00	0.0	-	-	-
	129+35 - 129+53	MONONA DR LT	5	5	0.00	0.1	-	-	-
	129+76 - 130+97	MONONA DR LT	31	31	0.02	0.6	-	-	-
	131+12 - 131+26	MONONA DR LT	4	4	0.00	0.1	-	-	-
	131+36 - 132+06	MONONA DR LT	50	50	0.03	0.9	-	-	-
	131+79 - 132+06	MONONA DR LT	8	0	0.01	0.0	-	0.55	8
	132+26 - 132+68	MONONA DR LT	43	25	0.03	0.4	-	1.20	18
	132+74 - 133+09	MONONA DR LT	28	16	0.02	0.3	-	0.82	12
	133+32 - 133+79	MONONA DR LT	46	26	0.03	0.5	-	1.35	20
	134+06 - 134+76	MONONA DR LT	72	42	0.05	0.7	-	2.04	30
	134+97 - 135+02	MONONA DR LT	11	8	0.01	0.1	-	0.20	3
	135+16 - 135+66	MONONA DR LT	52	29	0.03	0.5	-	1.52	23
	135+79 - 135+95	MONONA DR LT	18	10	0.01	0.2	-	0.50	7
	136+08 - 136+60	MONONA DR LT	46	23	0.03	0.4	-	1.59	24

FINISHING ITEMS (CONTINUED)

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY*	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
	136+84 - 137+27	MONONA DR LT	36	16	0.02	0.3	-	1.36	20
	137+56 - 137+66	MONONA DR LT	23	19	0.01	0.3	-	0.28	4
	137+96 - 138+72	MONONA DR LT	95	61	0.06	1.1	-	2.32	34
	139+03 - 139+29	MONONA DR LT	31	19	0.02	0.3	-	0.82	12
	139+58 - 140+22	MONONA DR LT	82	56	0.05	1.0	-	1.74	26
	143+57 - 145+51	MONONA DR LT	132	51	0.08	0.9	-	5.46	81
	146+00 - 147+51	MONONA DR LT	121	72	0.08	1.3	-	3.31	49
	7+19 - 7+51	WINNEQUAH LT	32	32	0.02	0.6	-	-	-
	7+19 - 7+75	WINNEQUAH RT	27	27	0.02	0.5	-	-	-
	7+80 - 8+75	WINNEQUAH LT	93	93	0.06	1.7	-	-	-
	8+00 - 9+62	WINNEQUAH RT	116	116	0.07	2.1	-	-	-
	8+83 - 9+57	WINNEQUAH LT	152	123	0.10	2.2	-	1.89	28
	8+71 - 9+50	FERCHLAND LT	87	70	0.05	1.3	-	1.11	16
	8+78 - 9+40	FERCHLAND RT	56	56	0.04	1.0	-	-	-
	UNDISTRIBUTED		-	-	-	-	8	-	-
		STAGE 2 TOTAL	3326	2362	2	43	8	64.96	964
0010	STAGE 3								
	111+54 - 112+14	MONONA DR RT	0	-	0.00	-	-	-	-
	112+83 - 115+28	MONONA DR RT	106	-	0.07	-	-	2.37	106
	115+50 - 116+36	MONONA DR RT	38	-	0.02	-	-	0.85	38
	116+54 - 117+08	MONONA DR RT	23	-	0.01	-	-	0.51	23
	117+25 - 117+95	MONONA DR RT	31	-	0.02	-	-	0.70	31
	118+10 - 120+04	MONONA DR RT	86	-	0.05	-	-	1.93	86
	120+23 - 121+84	MONONA DR RT	73	-	0.05	-	-	1.63	73
	122+10 - 122+26	MONONA DR RT	7	-	0.00	-	-	0.16	7
	122+52 - 123+26	MONONA DR RT	31	-	0.02	-	-	0.69	31
	123+72 - 124+87	MONONA DR RT	52	-	0.03	-	-	1.17	52
	125+27 - 127+40	MONONA DR RT	99	-	0.06	-	-	2.22	99
	127+47 - 127+65	MONONA DR RT	13	-	0.01	-	-	0.29	13
	129+16 - 129+85	MONONA DR RT	32	-	0.02	-	-	0.72	32
	130+12 - 130+19	MONONA DR RT	4	-	0.00	-	-	0.09	4
	130+42 - 134+41	MONONA DR RT	179	-	0.11	-	-	4.03	179
	134+56 - 134+61	MONONA DR RT	2	-	0.00	-	-	0.04	2
	134+88 - 135+80	MONONA DR RT	31	-	0.02	-	-	0.70	31
	136+05 - 136+35	MONONA DR RT	10	-	0.01	-	-	0.23	10
	136+64 - 137+00	MONONA DR RT	10	-	0.01	-	-	0.22	10
	137+26 - 138+23	MONONA DR RT	27	-	0.02	-	-	0.60	27
	138+90 - 139+08	MONONA DR RT	20	-	0.01	-	-	0.44	20
	139+69 - 140+29	MONONA DR RT	30	-	0.02	-	-	0.67	30
	140+66 - 141+54	MONONA DR RT	38	-	0.02	-	-	0.86	38
	141+58 - 141+62	MONONA DR RT	3	-	0.00	-	-	0.07	3
	142+55 - 142+79	MONONA DR RT	12	-	0.01	-	-	0.28	12
	142+89 - 144+66	MONONA DR RT	106	-	0.07	-	-	2.38	106
	144+98 - 145+65	MONONA DR RT	19	-	0.01	-	-	0.42	19
	145+98 - 147+28	MONONA DR RT	43	-	0.03	-	-	0.96	43
	10+36 - 11+50	WINNEQUAH LT	103	103	0.06	1.9	-	-	-
	10+37 - 11+50	WINNEQUAH RT	100	100	0.06	1.8	-	-	-
	11+24 - 12+48	BUCKEYE RT	138	83	0.09	1.5	-	1.23	55
	12+28 - 12+40	BUCKEYE LT	3	3	0.00	0.1	-	-	-
	12+50 - 12+61	BUCKEYE LT	3	3	0.00	0.1	-	-	-
	12+84 - 13+00	BUCKEYE RT	28	21	0.02	0.4	-	0.15	7
	10+50 - 11+04	LAKE EDGE RT	90	90	0.06	1.6	-	-	-
	10+56 - 12+23	LAKE EDGE LT	129	129	0.08	2.3	-	-	-
	11+21 - 12+12	LAKE EDGE RT	41	41	0.03	0.7	-	-	-
	10+50 - 11+64	COTTAGE GROVE LT	46	46	0.03	0.8	-	-	-
	10+73 - 11+64	COTTAGE GROVE RT	81	81	0.05	1.5	-	-	-
	UNDISTRIBUTED		-	-	-	-	3	-	-
		STAGE 3 TOTAL	1882	698	1.19	12.6	3	26.59	1184
	TOTAL 0010		6452	5425	4.06	77.5	16	91.55	2148

* ADDITIONAL QUANTITY LISTED ELSEWHERE

EROSION CONTROL

CATEGORY		LOCATION	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENENCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2006 EROSION MAT URBAN CLASS I TYPE A SY*
0010								
	STAGE 1	PROJECT	-	-	-	3	3	-
		UNDISTRIBUTED	20	100	100	-	-	200
		STAGE 1 TOTALS	20	100	100	3	3	200
	STAGE 2	PROJECT		-	-	3	3	-
		117+00 - 119+50		247	247	-	-	-
		119+70 - 122+67		294	294	-	-	-
		122+75 - 123+00		26	26	-	-	-
		123+13 - 123+90		75	75	-	-	-
		129+75 - 130+55		73	73	-	-	-
		UNDISTRIBUTED	20	100	100	-	-	200
		STAGE 2 TOTALS	20	815	815	3	3	200
	STAGE 3	PROJECT	-	-	-	3	3	-
		UNDISTRIBUTED	20	100	100	-	-	200
		STAGE 3 TOTALS	20	100	100	3	3	200
	STAGE 4	PROJECT	-	-	-	3	3	-
		UNDISTRIBUTED	20	100	100	-	-	200
		STAGE 4 TOTALS	20	100	100	3	3	200
		TOTAL 0010	80	1115	1115	12	12	800

* ADDITIONAL QUANTITY LISTED ELSEWHERE

INLET PROTECTION

CATEGORY		STATION	LOCATION	628.7005 TYPE A EACH	628.7015 TYPE C EACH
0010	STAGE 1				
		111+85	24 LT	-	1
		112+22	43 LT	-	1
		112+23	33 RT	-	1
		113+49	38 LT	-	1
		118+26	23 RT	-	1
		118+29	24 LT	-	1
		11'B'+81	20 LT	-	1
		11'L'+85	25 LT	-	1
		11'L'+94	25 LT	-	1
		122+65	24 LT	-	1
		122+82	24 LT	-	1
		122+84	22 RT	-	1
		122+98	24 LT	-	1
		122+99	22 RT	-	1
		123+24	22 RT	-	1
		123+27	37 RT	1	
		124+83	39 RT	1	
		128+61	20 LT	-	1
		12'B'+16	21 RT	-	1
		134+23	24 LT	-	1
		134+24	24 RT	-	1
		134+24	24 RT	-	1
		141+85	56 RT	-	1
		142+67	18 LT	-	1
		143+13	18 LT	-	1
		143+13	30 RT	-	1
			STAGE 1 TOTAL	2	24
0010	STAGE 2				
		112+21	64 LT	-	1
		112+59	66 LT	-	1
		122+90	29 LT	-	1
		122+99	29 LT	-	1
		123+08	29 LT	-	1
		134+41	29 LT	-	1
		134+50	29 LT	-	1
		142+30	29 LT	-	1
		142+60	50 LT	-	1
		142+95	29 LT	-	1
		143+22	38 LT	-	1
		143+28	34 LT	-	1
		12+07	25 LT	-	1
			STAGE 2 TOTAL	0	13

INLET PROTECTION (CONTINUED)

CATEGORY		STATION	LOCATION	628.7005 TYPE A EACH	628.7015 TYPE C EACH
0010	STAGE 2	111+97	29 RT	-	1
		112+26	61 RT	-	1
		112+67	59 RT	-	1
		115+57	29 RT	-	1
		118+25	29 RT	-	1
		120+51	29 RT	-	1
		122+90	29 RT	-	1
		122+99	29 RT	-	1
		123+08	29 RT	-	1
		126+65	3 RT	-	1
		126+70	3 RT	-	1
		128+81	13 RT	-	1
		128+81	14 RT	-	1
		129+23	51 RT	-	1
		130+88	36 RT	-	1
		134+41	29 RT	-	1
		134+50	29 RT	-	1
		141+41	39 RT	-	1
		141+51	8 RT	-	1
		141+51	3 RT	-	1
		142+98	40 RT	-	1
		143+06	39 RT	-	1
		12'B'+16	23 RT	-	1
		12'B'+16	25 LT	-	1
		11'L'+83	23 RT	-	1
		11'L'+94	27 RT	-	1
		11'L'+85	26 LT	-	1
		11'L'+93	26 LT	-	1
		12'L'+15	23 RT	-	1
			STAGE 3 TOTAL	0	29
			TOTAL 0010	2	66

LANDSCAPING SHEET QUANTITIES

CATEGORY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE WHEN PLANTED	ROOT ZONE MODE	SHEET NUMBERS L101	L102	L103	L104	L105	L106	DECIDUOUS TREES EACH	ITEM NUMBER
0020	STAGE 4												
		TALL DECIDUOUS TREES											
	AGG	AUTUMN GOLD GINKGO	GINKGO BILOBA "AUTUMN GOLD"	2 1/2" CAL.	B&B	1	5	1	5	2	3	17	632.0101.01
		LOW DECIDUOUS TREES											
	FMHC	FT MCNAIR HORSE CHESTNUT	AESCULUS X CARNEA	2 1/2" CAL.	B&B	3	3	0	1	0	0	7	632.0101.02
	CSP	CLEVELAND SELECT PEAR	PYRUS CALLERYANA	2 1/2" CAL.	B&B	0	4	1	2	2	0	9	632.0101.03
	ABP	AUTUMN BLAZE PEAR	PYRUS CALLERYANA 'AUTUMN	2 1/2" CAL.	B&B	1	7	1	1	0	1	11	632.0101.04
	JTL	JAPANESE TREE LILAC	SYRINGA RETICULATE 'IVORY	2 1/2" CAL.	B&B	0	2	0	0	1	0	3	632.0101.05
												PERNNIALS EACH	
0020		**PERENNIALS**											
	FRG	FORSTER	CALAMAGROSTIS X ACUTIFLORA	24"	CG	18	0	18	0	12	0	48	SPV.0060.55
	BZS	BLUE ZINGER SEDGE	CAREX GLAUCA 'BLUE ZINGER'	12"	CG	240	0	240	0	160	0	640	SPV.0060.56
	HRD	HAPPY RETURNS DAYLILY	HEMEROCALLIS 'HAPPY RETURNS'	12"	CG	78	0	78	0	52	0	208	SPV.0060.57
	SSG	SHENANDOAH SWITCHGRASS	PANICUM VIRGATUM 'SHENANDOAH'	18"	CG	18	0	18	0	12	0	48	SPV.0060.58
	RS	RUSSIAN SAGE	PEROVSKIA ATRIPLICIFOLIA	24"	CG	6	0	6	0	4	0	16	SPV.0060.59
	BES	SUSAN	RUDBECKIA FULGIDA 'GOLDSTRUM'	18"	CG	45	0	45	0	30	0	120	SPV.0060.60

BB: BARE ROOT
B&B: BALL & BURLAPED
CG: CONTAINER GROWN

LANDSCAPE PLANTING SURVEILLANCE AND MAINTENANCE CARE CYCLES

CATEGORY	STATION - STATION	632.9101 EACH
0020		
	111+54 - 147+51	20
	TOTAL 0020	20

PERMANENT SIGNING SUMMARY

CATEGORY	LOCATION NUMBER	SINGLE SIGN CODE	DESCRIPTION	WIDTH INCHES	HEIGHT INCHES	SPV.0060.19 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x 14-FT EACH	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	COMMENTS
0010	STAGE 4												
	1	W1-1L	LEFT TURN AHEAD	30	30	1	6.25	-	-	-	-	-	
	2		LEFT TURN AHEAD	-	-	-	-	-	-	1	1	-	
	3	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	4		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	5	R3-8A	LANE DESIGNATION LEFT ONLY RIGHT TURN STRAIGHT	36	30	1	7.50	-	-	-	-	-	
	6	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	7		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	8	R2-1	SPEED LIMIT 25 MPH	24	30	1	5.00	-	-	-	-	-	
	9		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	10		STOP	-	-	-	-	-	-	1	1	-	
	11		STOP	-	-	-	-	-	-	1	1	-	
	12	R1-1	STOP	30	30	1	6.25	-	-	-	-	-	
	13		STOP	-	-	-	-	-	-	1	1	-	
	14		SPEED LIMIT 25 MPH	-	-	-	-	-	-	1	1	-	
	15		NO BICYCLES	-	-	-	-	-	-	1	1	-	
	16	R7-1R	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	17		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	18	R3-8K	LANE DESIGNATION LEFT TURN STRAIGHT RIGHT TURN STRAIGHT	36	30	1	7.50	-	-	-	-	-	
	19	R1-1	STOP	30	30	1	6.25	-	-	-	-	-	
	20		STOP	-	-	-	-	-	-	1	1	-	
	21	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	22	R2-1	SPEED LIMIT 30 MPH	24	30	1	5.00	-	-	-	-	-	
	23		SPEED LIMIT 30 MPH	-	-	-	-	-	-	1	1	-	
	24	R3-7R	RIGHT LANE MUST TURN RIGHT	30	30	1	6.25	-	-	-	-	-	
	25	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	26		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	27	R4-4	BEGIN RIGHT TURN LANE	36	30	1	7.50	-	-	-	-	-	
	28		RIGHT TURN STOP AHEAD	-	-	-	-	-	-	1	1	-	
	29	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	30	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	31	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	32		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	33	R3-8L	LANE DESIGNATION LEFT TURN STRAIGHT STRAIGHT ONLY RIGHT ONLY	54	30	2	11.25	-	-	-	-	-	
	34		SNOW EMERGENCY	-	-	-	-	-	1	-	-	1	
	35	R14-1	TRUCK ROUTE	24	18	1	3.00	-	-	-	-	-	
	36	M6-1/M6-2	AHEAD ARROW/ARROW TILT LEFT	21	21	1	3.06	-	-	-	-	-	
	37		TRUCK ROUTE	-	-	-	-	-	-	1	1	-	
	38		AHEAD ARROW/ARROW TILT LEFT	-	-	-	-	-	-	1	1	-	
	39		LEFT TURN AHEAD	-	-	-	-	-	-	1	1	-	
	40		25 MPH	-	-	-	-	-	-	1	1	-	
	41	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	42	R3-8K	LANE DESIGNATION LEFT TURN STRAIGHT RIGHT TURN STRAIGHT	36	30	1	7.50	-	-	-	-	-	
	43	R2-1	SPEED LIMIT 30 MPH	24	30	1	5.00	-	-	-	-	-	
	44	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	45	R7-1R	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	46		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	47	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	48		NO BICYCLES	-	-	-	-	-	-	1	1	-	
	49	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	50		KEEP RIGHT	-	-	-	-	-	-	1	1	-	
			SUBTOTAL 0010			28	140.3	0.00	1	22	22	1	

PERMANENT SIGNING SUMMARY CONTINUED ON NEXT PAGE

PERMANENT SIGNING SUMMARY (CONTINUED)

CATEGORY	LOCATION NUMBER	SINGLE SIGN CODE	DESCRIPTION	WIDTH INCHES	HEIGHT INCHES	SPV.0060.19 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x 14-FT EACH	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	
0010	STAGE 4												
	51	R1-1F	STOP FOLDING	30	30	-	-	6.25	-	-	-	-	MOUNT ON SIGNAL POLE
	52		YIELD	-	-	-	-	-	-	1	1	-	
	53		RIGHT TURN OBEY THIS SIGN	-	-	-	-	-	-	1	1	-	
	54	R1-2	YIELD	36	31	1	7.75	-	-	-	-	-	
	55	R1-53	RIGHT TURN OBEY THIS SIGN	24	30	1	5.00	-	-	-	-	-	
	56	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	57	R1-1F	STOP FOLDING	30	30	-	-	6.25	-	-	-	-	MOUNT ON SIGNAL POLE
	58	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	59	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	60		KEEP RIGHT	-	-	-	-	-	-	1	1	-	
	61	R1-1F	STOP FOLDING	30	30	-	-	6.25	-	-	-	-	MOUNT ON SIGNAL POLE
	62	R1-2	YIELD	36	31	1	7.75	-	-	-	-	-	
	63	R1-53	RIGHT TURN OBEY THIS SIGN	24	30	1	5.00	-	-	-	-	-	
	64		ARROW DOWN LEFT	-	-	-	-	-	-	1	1	-	
	65		SPEED LIMIT 30 MPH	-	-	-	-	-	-	1	1	-	
	66		ARROW DOWN LEFT	-	-	-	-	-	-	1	1	-	
	67	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	68		KEEP RIGHT	-	-	-	-	-	-	1	1	-	
	69	R2-1	SPEED LIMIT 30 MPH	24	30	1	5.00	-	-	-	-	-	
	70		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	71	R1-1F	STOP FOLDING	30	30	-	-	6.25	-	-	-	-	MOUNT ON SIGNAL POLE
	72		NO TURN ON RED	-	-	-	-	-	-	1	1	-	
	73	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	74	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	75		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	76	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	77	R3-8M	LANE DESIGNATION LEFT ONLY STRAIGHT ONLY RIGHT TURN STRAIGHT	54	30	2	11.25	-	-	-	-	-	
	78	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	79	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	80		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	81	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	82	M1-5A	COUNTY BB	24	24	1	4.00	-	-	-	-	-	
	83	M6-1	ARROW RIGHT	21	21	1	3.06	-	-	-	-	-	
	84	R7-1L	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	85		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	86	R14-1	TRUCK ROUTE	24	18	1	3.00	-	-	-	-	-	
	87	M6-1	ARROW STRAIGHT/ARROW RIGHT	21	21	1	3.06	-	-	-	-	-	
	88	I-8	LIBRARY	24	30	1	5.00	-	-	-	-	-	
	89		TRUCK ROUTE	-	-	-	-	-	-	1	1	-	
	90		ARROW STRAIGHT/ARROW RIGHT	-	-	-	-	-	-	1	1	-	
	91		LIBRARY	-	-	-	-	-	-	1	1	-	
	92	R3-8K	LANE DESIGNATION LEFT TURN STRAIGHT RIGHT TURN STRAIGHT	36	30	1	7.50	-	-	-	-	-	
	93	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	94		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	95	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	96	R2-1	SPEED LIMIT 30 MPH	24	30	1	5.00	-	-	-	-	-	
	97	R1-5A	COUNTY BB	24	24	1	4.00	-	-	-	-	-	
	98	M6-1	ARROW RIGHT	21	21	1	3.06	-	-	-	-	-	
	99	R3-17/R3-17B	BIKE LANE ENDS	30	36	1	7.50	-	-	-	-	-	
	100	R1-1F	STOP FOLDING	30	30	-	-	6.25	-	-	-	-	MOUNT ON SIGNAL POLE
			SUBTOTAL 0010			30	141.9	31.25	0	16	16	0	

PERMANENT SIGNING CONTINUED ON NEXT PAGE

PERMANENT SIGNING SUMMARY (CONTINUED)

CATEGORY	LOCATION NUMBER	SINGLE SIGN CODE	DESCRIPTION	WIDTH INCHES	HEIGHT INCHES	SPV.0060.19 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x 14-FT EACH	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	
0010	STAGE 4												
	101	R3-17	BIKE LANE	30	24	1	5.00	-	-	-	-	-	
	102	M1-5A	COUNTY BB	24	24	1	4.00	-	-	-	-	-	
	103	M6-1	ARROW LEFT	21	21	1	3.06	-	-	-	-	-	
	104		COUNTY BB	-	-	-	-	-	-	1	1	-	
	105		ARROW LEFT	-	-	-	-	-	-	1	1	-	
	106	R4-7	KEEP RIGHT	24	30	1	5.00	-	-	-	-	-	
	107	R1-1F	STOP FOLDING	30	30	-	-	6.25	-	-	-	-	MOUNT ON SIGNAL POLE
	108		SPEED LIMIT 30 MPH	-	-	-	-	-	-	1	1	-	
	109	R2-1	SPEED LIMIT 30 MPH	24	30	1	5.00	-	-	-	-	-	
	110	R1-1F	STOP FOLDING	30	30	-	-	6.25	-	-	-	-	MOUNT ON SIGNAL POLE
	111	R1-2	YIELD	36	31	1	7.75	-	-	-	-	-	
	112	R1-53	RIGHT TURN OBEY THIS SIGN	24	30	1	5.00	-	-	-	-	-	
	113	R3-17/R3-17A	BIKE LANE	30	36	1	7.50	-	-	-	-	-	
	114		LEFT TURN STRAIGHT	-	-	-	-	-	-	1	1	-	
	115		STRAIGHT ONLY	-	-	-	-	-	-	1	1	-	
	116	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	117		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	118	R14-1	TRUCK ROUTE	24	18	1	3.00	-	-	-	-	-	
	119	M6-1	ARROW LEFT/ARROW STRAIGHT	21	21	1	3.06	-	-	-	-	-	
	120		TRUCK ROUTE	-	-	-	-	-	-	1	1	-	
	121		ARROW LEFT/ARROW STRAIGHT	-	-	-	-	-	-	1	1	-	
	122	R3-8M	LANE DESIGNATION LEFT ONLY STRAIGHT ONLY RIGHT TURN STRAIGHT	54	30	2	11.25	-	-	-	-	-	
	123	M1-5A	COUNTY BB	24	24	1	4.00	-	-	-	-	-	
	124	M6-1	ARROW LEFT	21	21	1	3.06	-	-	-	-	-	
	125	R7-1D	NO PARKING ANY TIME	18	24	1	3.00	-	-	-	-	-	
	126		NO PARKING ANY TIME	-	-	-	-	-	-	1	1	-	
	127	R3-8J	LANE DESIGNATION LEFT STRAIGHT RIGHT RIGHT ONLY	36	30	1	7.50	-	-	-	-	-	
	128	R3-8A	LANE DESIGNATION LEFT ONLY RIGHT TURN STRAIGHT	36	30	1	7.50	-	-	-	-	-	
			SUBTOTAL 0010			18	88	12.50	0	9	9	0	
			STAGE 4 TOTAL			76	369.9	43.75	1	47	47	1	
			TOTAL 0010			76	369.9	43.75	1	47	47	1	

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TRAFFIC CONTROL SUMMARY

CATEGORY	LOCATION	STAGE DAYS	643.0200 TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (5994-00-71) DAYS	643.0300 DRUMS DAYS	643.0410 BARRICADES TYPE II DAYS	643.0420 BARRICADES TYPE III DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS DAYS	643.0905.S COVERING SIGNS EACH	643.1050 PORTABLE CHANGEABLE MESSAGE DAYS
0010	STAGE 1	48												
	MONONA DRIVE		48	7680	480	480	160	160	1440	48	48	2400	10	192
	STAGE 1 TOTAL		48	7680		480	160	160	1440	48	48	2400	10	192
0010	STAGE 2	57												
	MONONA DRIVE		57	9690	570	1140	180	180	3705	57	114	3990	10	228
	STAGE 2 TOTAL		57	9690		1140	180	180	3705	57	114	3990	10	228
0010	STAGE 3	46												
	MONONA DRIVE		46	7360	460	736	180	180	2990	46	92	3496	10	92
	COTTAGE GROVE ROAD			920		46	25	25	690	46	46	598	-	46
	LAKE EDGE ROAD			-		368	-	-	-	0	-	276	-	46
	BUCKEYE ROAD			1380		46	30	30	690	0	46	598	-	46
	WINNEQUAH ROAD			-		368	-	-	-	0	-	138	-	46
	STAGE 3 TOTAL		46	9660		1564	235	235	4370	92	184	5106	10	276
0010	STAGE 4	33												
	MONONA DRIVE		33	5280	330	528	-	-	33	33	66	1485	10	132
	STAGE 4 TOTAL		33	5280		528	0	0	33	33	66	1485	10	132
	TOTAL 0010		184	32310	1840	3712	575	575	9548	230	412	12981	40	828

3

PERMANENT PAVEMENT MARKING SUMMARY

CATEGORY	STATION	STATION	LOCATION	646.0106 EPOXY 4-INCH DOUBLE YELLOW LF	646.0106 EPOXY 4-INCH SOLID YELLOW LF	646.0106 EPOXY 4-INCH DOTTED WHITE LF	646.0116 EPOXY 6-INCH SOLID WHITE LF	646.0116 EPOXY 6-INCH SKIP DASH WHITE LF	646.0126 EPOXY 8-INCH WHITE LF	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0206 ARROWS BIKE LANE EPOXY EACH	647.0356 WORDS EPOXY EACH	647.0406 WORDS BIKE LANE EPOXY EACH	647.0456 CURB EPOXY YELLOW LF	647.0576 STOP LINE EPOXY 24-INCH LF	647.0606 PAVEMENT MARKING ISLAND NOSE EPOXY YELLOW EACH	647.0716 DIAGONAL EPOXY 8-INCH YELLOW LF	647.0766 CROSSWALK EPOXY 6-INCH WHITE LF	647.0776 CROSSWALK EPOXY 12-INCH WHITE LF
0010	STAGE 4																		
	111+54	112+12	MONONA DR.	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	112+83	126+96	MONONA DR.	2826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	129+10	130+43	MONONA DR.	266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	130+43	132+49	MONONA DR.	824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	132+49	138+74	MONONA DR.	1250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	138+74	141+00	MONONA DR.	904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	142+95	147+51	MONONA DR.	912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7'W'+19	7'W'+80	WINNEQUAH	128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7'W'+97	9'W'+46	WINNEQUAH	149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10+W'+44	11'W'+50	WINNEQUAH	212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11'B'+06	13'B'+00	BUCKEYE	388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10'D'+43	10'D'+62	DAVIDSON	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10'C'+55	11'C'+64	COTTAGE GROVE	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8'F'+71	9'F'+58	FERCHLAND	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10'L'+35	12'L'+14	LAKE EDGE	-	355	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PERMANENT PAVEMENT MARKING SUMMARY (CONTINUED)

CATEGORY	STATION	STATION	LOCATION	646.0106 EPOXY 4-INCH DOUBLE YELLOW LF	646.0106 EPOXY 4-INCH SOLID YELLOW LF	646.0106 EPOXY 4-INCH DOTTED WHITE LF	646.0116 EPOXY 6-INCH SOLID WHITE LF	646.0116 EPOXY 6-INCH SKIP DASH WHITE LF	646.0126 EPOXY 8-INCH WHITE LF	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0206 ARROWS BIKE LANE EPOXY EACH	647.0356 WORDS EPOXY EACH	647.0406 WORDS BIKE LANE EPOXY EACH	647.0456 CURB EPOXY YELLOW LF	647.0576 STOP LINE EPOXY 24-INCH LF	647.0606 PAVEMENT MARKING ISLAND NOSE EPOXY YELLOW EACH	647.0716 DIAGONAL EPOXY 8-INCH YELLOW LF	647.0766 CROSSWALK EPOXY 6-INCH WHITE LF	647.0776 CROSSWALK EPOXY 12-INCH WHITE LF
	113+68	114+70	LT	-	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-
	112+82	113+65	LT	-	-	-	168	-	-	-	-	-	-	-	-	-	-	-	-
	112+89	127+39	RT	-	-	-	1446	-	-	-	-	-	-	-	-	-	-	-	-
	114+75	127+42	LT	-	-	-	1274	-	-	-	-	-	-	-	-	-	-	-	-
	128+70	141+55	LT	-	-	-	1434	-	-	-	-	-	-	-	-	-	-	-	-
	129+47	141+50	RT	-	-	-	1117	-	-	-	-	-	-	-	-	-	-	-	-
	10'C'+90	11'C'+20	COTTAGE GROVE	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-
	111+54	112+09	MAINLINE	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-
	112+80	127+10	MAINLINE	-	-	-	-	363	-	-	-	-	-	-	-	-	-	-	-
	112+80	127+53	MAINLINE	-	-	-	-	375	-	-	-	-	-	-	-	-	-	-	-
	128+71	141+35	MAINLINE	-	-	-	-	316	-	-	-	-	-	-	-	-	-	-	-
	129+41	141+50	MAINLINE	-	-	-	-	302	-	-	-	-	-	-	-	-	-	-	-
	142+90	147+51	MAINLINE	-	-	-	-	115	-	-	-	-	-	-	-	-	-	-	-
	142+97	147+51	MAINLINE	-	-	-	-	114	-	-	-	-	-	-	-	-	-	-	-
	10'C'+60	11'C'+64	COTTAGE GROVE	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-
	7'W'+97	8'W'+22	WINNEQUAH	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-
	8'W'+98	9'W'+46	WINNEQUAH	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-
	11'B'+05	12'B'+04	BUCKEYE	-	-	-	-	-	99	-	-	-	-	-	-	-	-	-	-
	10'C'+57	11'C'+22	COTTAGE GROVE	-	-	-	-	-	129	-	-	-	-	-	-	-	-	-	-
	113+05	-	31' LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	128+98	-	5' RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	129+79	-	5' RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	143+25	-	6' RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	145+35	-	6' RT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	8'W'+08	-	WINNEQUAH	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	9'W'+26	-	WINNEQUAH	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	11'B'+35	-	BUCKEYE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	10'C'+84	-	COTTAGE GROVE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	113+17	-	24' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	119+40	-	24' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	119+52	-	24' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	125+47	-	24' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	127+10	-	24' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	129+75	-	24' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	129+87	-	24' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	135+68	-	24' RT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	136+01	-	24' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	141+29	-	24' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	113+48	-	32' LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	129+36	-	4' RT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	144+30	-	5' RT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	11'B'+75	-	BUCKEYE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	11'C'+18	-	COTTAGE GROVE	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	112+99	-	24' RT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	113+08	-	24' LT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	119+36	-	24' RT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	119+56	-	24' LT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	125+29	-	24' RT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	127+28	-	24' LT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	129+57	-	35' RT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-

PERMANENT PAVEMENT MARKING SUMMARY (CONTINUED)

CATEGORY	STATION	STATION	LOCATION	646.0106 EPOXY 4-INCH DOUBLE YELLOW LF	646.0106 EPOXY 4-INCH SOLID YELLOW LF	646.0106 EPOXY 4-INCH DOTTED WHITE LF	646.0116 EPOXY 6-INCH SOLID WHITE LF	646.0116 EPOXY 6-INCH SKIP DASH WHITE LF	646.0126 EPOXY 8-INCH WHITE LF	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0206 ARROWS BIKE LANE EPOXY EACH	647.0356 WORDS EPOXY EACH	647.0406 WORDS BIKE LANE EPOXY EACH	647.0456 CURB EPOXY YELLOW LF	647.0576 STOP LINE EPOXY 24-INCH LF	647.0606 PAVEMENT MARKING ISLAND NOSE EPOXY YELLOW EACH	647.0716 DIAGONAL EPOXY 8-INCH YELLOW LF	647.0766 CROSSWALK EPOXY 6-INCH WHITE LF	647.0776 CROSSWALK EPOXY 12-INCH WHITE LF
	130+10	-	24' LT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	135+44	-	24' RT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	136+19	-	24' LT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	141+11	-	34' RT	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
	141+47	-	24' LT	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
	10'C'+84	-	COTTAGE GROVE	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
	126+93	126+99	MONONA DR	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-
	127+43	127+57	MONONA DR	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-
	128+69	128+77	MONONA DR	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-
	129+05	129+13	MONONA DR	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-
	140+96	141+06	MONONA DR	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-
	141+59	141+71	MONONA DR	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-
	10'C'+87	11'C'+07	COTTAGE GROVE	-	-	-	-	-	-	-	-	-	-	69	-	-	-	-	-
	10'L'+27	10'L'+39	LAKE EDGE	-	-	-	-	-	-	-	-	-	-	89	-	-	-	-	-
	9'F'+44	9'F'+51	FERCHLAND	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-
	127+39	-	MAINLINE	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-
	128+70	-	MAINLINE	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-
	141+50	-	MAINLINE	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-
	142+95	-	MAINLINE	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-
	9'W'+49	-	WINNEQUAH	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-
	10'W'+42	-	WINNEQUAH	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
	11'B'+04	-	BUCKEYE	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-
	10'L'+46	-	LAKE EDGE	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-
	10'L'+50	10'L'+62	LAKE EDGE	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-
	10'D'+40	-	DAVIDSON	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-
	10'C'+61	-	COTTAGE GROVE	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-
	9'F'+57	-	FERCHLAND	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
	126+55	-	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	127+55	-	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	128+71	-	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	129+09	-	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	140+52	-	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	141+67	-	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	10'L'+29	-	LAKE EDGE	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
			BUCKEYE ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
			LAKE EDGE ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
			FERCHLAND ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
	125+78	126+95	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-
	129+13	129+50	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-
	130+65	132+18	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-
	139+44	140+98	MONONA DR	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-
	7'W'+19	7'W'+81	WINNEQUAH	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-
	112+00	113+00	WINNEQUAH RD INT	-	-	-	-	-	-	-	-	-	-	-	60	-	-	195	122
	127+00	128+45	BUCKEYE ROAD INT	-	-	-	-	-	-	-	-	-	-	-	114	-	-	-	244
	128+45	129+25	LAKE EDGE RD INT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122	-
	138+25	139+00	DAVIDSON ST INT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	-
	141+00	143+50	COTTAGE GROVE RD INT	-	-	-	-	-	-	-	-	-	-	-	192	-	-	95	395
	STAGE 4 TOTALS			8397	355	55	5469	1685	301	9	10	5	28	350	641	16	172	507	761
	TOTAL 0010			8397	355	55	5469	1685	301	9	10	5	28	350	641	16	172	507	761
					8807			7154											

TEMPORARY PAVEMENT MARKING SUMMARY

GROUP CODE	STATION	STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS LF	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH DOUBLE YELLOW LF	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH YELLOW 4-INCH LF	649.0100 TEMPORARY PAVEMENT MARKING 4-INCH WHITE 4-INCH LF	649.0900 STOP LINE 12-INCH LF
0010	STAGE 1							
	108+22	112+03	MAINLINE	95	-	-	381	-
	112+83	127+49	MAINLINE	367	-	-	1466	-
	129+46	138+23	MAINLINE	219	-	-	877	-
	138+99	141+55	MAINLINE	64	-	-	256	-
	142+76	148+37	MAINLINE	140	-	-	561	-
	147+75	148+37	MAINLINE	16	-	-	-	-
	127+40		MAINLINE	-	-	-	-	4
	141+50		MAINLINE	-	-	-	-	4
	UNDISTRIBUTED			200				
STAGE 1 TOTAL				1101	0	0	3541	8
0010	STAGE 2							
	108+22	112+03	MAINLINE	381	-	-	-	-
	112+83	127+49	MAINLINE	1466	-	-	-	-
	129+46	138+23	MAINLINE	877	-	-	-	-
	138+99	141+55	MAINLINE	256	-	-	-	-
	142+76	148+37	MAINLINE	561	-	-	-	-
	147+75	148+37	MAINLINE	16	-	-	-	-
	108+36	111+27	MAINLINE	-	1014	-	346	-
	111+27	112+13	MAINLINE	-	172	-	172	-
	112+49	127+56	MAINLINE	-	3014	-	3014	-
	127+56	129+49	MAINLINE	-	-	-	184	-
	129+49	138+30	MAINLINE	-	1762	-	1762	-
	138+30	138+87	MAINLINE	-	-	-	55	-
	138+87	141+65	MAINLINE	-	556	-	556	-
	142+70	147+51	MAINLINE	-	962	-	962	-
	147+51	151+43	MAINLINE	-	1044	-	378	-
	127+60	-	MAINLINE	-	-	-	-	11
	129+50	-	MAINLINE	-	-	-	-	11
	141+50	-	MAINLINE	-	-	-	-	11
	143+25	-	MAINLINE	-	-	-	-	11
	UNDISTRIBUTED			200				
STAGE 2 TOTAL				3757	8524	0	7429	44

TEMPORARY PAVEMENT MARKING SUMMARY (CONTINUED)

CATEGORY	STATION	STATION	LOCATION	646.0600 REMOVING PAVEMENT MARKINGS	649.0100 DOUBLE YELLOW LF	649.0100 YELLOW 4-INCH LF	649.0100 WHITE 4-INCH LF	649.0900 STOP LINE 12-INCH
0010	STAGE 3							
	108+36	111+27	MAINLINE	1360	-	-	-	-
	147+51	151+43	MAINLINE	1422	-	-	-	-
	109+48	111+54	MAINLINE	-	807	-	-	-
	109+88	111+54	MAINLINE	-	-	-	166	-
	111+54	112+15	MAINLINE	-	122	-	55	-
	112+83	127+53	MAINLINE	-	2940	-	1468	-
	129+52	138+21	MAINLINE	-	1738	-	869	-
	138+97	141+95	MAINLINE	-	594	-	297	-
	142+70	147+51	MAINLINE	-	962	-	481	-
	147+51	149+21	MAINLINE	-	-	-	174	-
	147+51	150+28	MAINLINE	-	1100	-		-
	127+40	-	MAINLINE	-	-	-	-	11
	129+61	-	MAINLINE	-	-	-	-	11
	141+50	-	MAINLINE	-	-	-	-	11
	143+50	-	MAINLINE	-	-	-	-	11
	9+50	-	WINNEQUAH	-	-	-	-	16
	10+43	-	WINNEQUAH	-	-	-	-	19
	11+00	-	BUCKEYE RD	-	-	-	-	22
	10+36	-	DAVIDSON	-	-	-	-	14
	10+60	-	COTTAGE GROVE RD	-	-	-	-	26
	UNDISTRIBUTED			200				
STAGE 3 TOTAL				200	7456	0	3510	141
0010	STAGE 4							
	109+88	111+54	MAINLINE	166	-	-	-	-
	109+48	111+54	MAINLINE	807	-	-	-	-
	142+70	147+51	MAINLINE	962	-	-	-	-
	147+51	149+21	MAINLINE	174	-	-	-	-
	147+51	150+28	MAINLINE	1100	-	-	-	-
	109+70	111+54	MAINLINE	-	-	330	-	-
	111+54	112+10	MAINLINE	-	-	110	-	-
	112+81	127+57	MAINLINE	-	-	2953	-	-
	128+71	141+72	MAINLINE	-	-	2605	-	-
	142+95	147+51	MAINLINE	-	-	912	-	-
	147+51	150+11	MAINLINE	-	-	519	-	-
	UNDISTRIBUTED			200				
STAGE 4 TOTAL				3409	0	7429	0	0
			TOTAL 0010	8466	15980	7429	14480	193

CONSTRUCTION STAKING SUMMARY

CATEGORY	STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.9920 SLOPE STAKES LF
0010	111+54 - 147+51	MAINLINE	3597	3597	3597
	7'W'+20 - 9'W'+75	WINNEQUAH ROAD	255	255	255
	10'W'+25 - 11'W'+60	WINNEQUAH ROAD	135	135	135
	11'B'+00 - 13'B'+00	BUCKEYE ROAD	200	200	200
	10'L'+50 - 12'L'+14	LAKE EDGE BLVD	164	164	164
	8'F'+71 - 9'F'+75	FERCHLAND PLACE	104	104	104
	10'L'+50 - 11'C'+65	COTTAGE GROVE ROAD	115	115	115
	TOTAL 0010		4570	4570	4570

CONDUIT RIGID NONMETALLIC

				652.0215 SCHEDULE 40	652.0225 SCHEDULE 40	652.0235 SCHEDULE 40	652.0315 SCHEDULE 80	652.0325 SCHEDULE 80	652.0335 SCHEDULE 80	
CATEGORY	FROM	TO	# OF CONDUITS	1.25" LF	2" LF	3" LF	1.25" LF	2" LF	3" LF	COMMENT
0010	STAGE 2									
	BUCKEYE ROAD INTERSECTION									
	TS2	HH12	-	-	7	-	-	-	-	
	HH15	TS3	-	-	9	-	-	-	-	
	HH16	TS4	-	-	11	-	-	-	-	
	HH16	TS5	-	-	10	-	-	-	-	
	COTTAGE GROVE ROAD INTERSECTION									
	HH27	TS12	-	-	-	6	-	-	-	
	HH33	TS13	-	-	20	-	-	-	-	
	TOTAL STAGE 2			0	57	6	0	0	0	
0010	STAGE 3									
	BUCKEYE ROAD INTERSECTION									
	HH11	MH1	-	142	-	-	-	-	-	
	HH20	HH19	-	52	-	-	-	-	-	
	HH19	2500	-	-	50	-	-	-	-	
	TS1	MH1	-	-	17	-	-	-	-	
	MH1	TSCB1	4	-	-	172	-	-	-	4-3"
	TSCB1	HH14	-	-	9	-	-	-	-	
	TSCB1	SLCB1	-	-	10	-	-	-	-	
	HH18	TS9	-	-	9	-	-	-	-	
	HH21	TS8	-	-	7	-	-	-	-	
	HH21	TS8	-	-	7	-	-	-	-	
	MH2	TS6	-	-	6	-	-	-	-	
	MH2	TS7	-	-	7	-	-	-	-	
	COTTAGE GROVE ROAD INTERSECTION									
	MH3	TS11	-	-	6	-	-	-	-	
	MH3	TSCB2	3	-	-	189	-	-	-	3-3"
	TSCB2	HH31	2	-	-	-	-	-	150	2-3"
	TSCB2	TS10	-	-	10	-	-	-	-	
	TS10	TS10-1	-	-	18	-	-	-	-	
	HH30	HH31	-	-	45	-	-	-	-	
	HH29	HH30	-	48	-	-	-	-	-	
	MH3	TS14	-	-	-	17	-	-	-	
	TOTAL STAGE 3			242	201	378	0	0	150	
	TOTAL 0010			242	258	384	0	0	150	

CONDUIT RIGID NONMETALLIC (CONTINUED)

				652.0215	652.0225	652.0235	652.0315	652.0325	652.0335	
				SCHEDULE 40			SCHEDULE 80			
CATEGORY	FROM	TO	# OF CONDUITS	1.25" LF	2" LF	3" LF	1.25" LF	2" LF	3" LF	COMMENT
0020	STAGE 2									
	WINNEQUAH ROAD INTERSECTION									
	SOUTH PL	2486	1	-	6	-	-	-	-	
	2486	HH2	1	-	86	-	-	-	-	
	HH1	HH3	-	-	-	-	-	-	58	
	HH1	HH2	-	-	-	53	-	-	-	
	HH2	HH7	-	-	-	-	-	-	40	
	HH2	2488	-	-	-	-	-	44	-	
	HH7	2488	-	-	7	-	-	-	-	
	HH7	HH8	-	-	-	47	-	-	-	
	2488	HH8	-	-	40	-	-	-	-	
	HH6	HH8	-	-	-	-	-	-	69	
	HH6	HH8	-	-	-	-	-	69	-	
	HH8	2490	-	-	149	-	-	-	-	
	2490	2492	-	-	272	-	-	35	-	
	2492	2494	-	-	277	-	-	20	-	
	2494	2496	-	-	278	-	-	20	-	
	2496	2498	-	-	250	-	-	46	-	
	BUCKEYE ROAD INTERSECTION									
	2498	HH12	-	-	76	-	-	35	-	
	MH1	HH12	-	-	-	-	-	-	79	
	HH12	HH13	-	-	-	-	-	36	-	
	HH12	HH13	-	-	-	-	-	-	36	
	HH13	2499	-	-	-	-	-	-	6	
	HH12	HH15	2	-	-	102	-	-	-	2-3"
	HH12	HH16	-	-	75	-	-	48	-	
	HH15	HH16	2	-	-	46	-	-	96	2-3"
	HH16	HH17	-	-	-	-	-	-	47	
	HH16	HH17	-	-	-	-	-	47	-	
	HH16	HH22	-	-	84	-	-	48	-	
	HH16	2503	-	-	112	-	-	48	-	
	HH22	HH23	-	149		-	-	-	-	
	2503	2505	-	-	280	-	-	35	-	
	2505	2507	-	-	188	-	-	114	-	
	2507	2509	-	-	130	-	-	142	-	
	2509	HH27	-	-	138	-	-	90	-	
	COTTAGE GROVE ROAD INTERSECTION									
	HH27	HH28	-	-	-	-	-	37	-	
	HH27	HH28	-	-	-	-	-	-	37	
	HH27	MH3	-	-	-	-	-	-	69	
	HH28	2511	-	-	-	-	-	-	6	
	HH27	HH33	-	-	-	89	-	-	-	
	HH27	HH34	-	-	105	-	-	38	-	
	HH33	HH34	-	-	-	14	-	-	38	
	HH34	HH32	2	-	-	-	-	-	162	2-3"
	HH34	2513	-	-	-	-	-	-	14	
	HH34	HH35	-	-	-	-	-	36	-	
	HH34	HH35	-	-	-	-	-	-	36	
	HH35	H36	-	-	97	-	-	-	-	
	HH36	HH37	-	126	-	-	-	-	-	
	HH35	2515	-	-	185	-	-	-	-	
	2515	2517	-	-	179	-	-	53	-	
	2517	HH38	-	-	15	-	-	-	-	
		TOTAL STAGE 2		275	1664	251	0	807	626	

CONDUIT RIGID NONMETALLIC (CONTINUED)

CATEGORY	FROM	TO	# OF CONDUITS	652.0215 SCHEDULE 40 1.25" LF	652.0225 SCHEDULE 40 2" LF	652.0235 SCHEDULE 40 3" LF	652.0315 SCHEDULE 80 1.25" LF	652.0325 SCHEDULE 80 2" LF	652.0335 SCHEDULE 80 3" LF	COMMENT
0020	STAGE 3									
	WINNEQUAH ROAD INTERSECTION									
	HH3-1	HH3	1	-	39	-	-	-	-	
	HH3-1	HH6	2	-	-	86	-	-	200	2-3"
	HH3	HH4	-	-	38	-	-	-	-	
	HH3	HH4	-	-	-	38	-	-	-	
	HH4	2487	-	-	6	-	-	-	-	
	HH4	HH5	-	-	-	-	-	-	43	
	2487	HH5	-	-	-	-	-	45	-	
	HH5	HH6	-	-	-	38	-	-	-	
	HH5	2489	-	-	29	-	-	-	-	
	2489	HH6	-	-	7	-	-	-	-	
	HH6	2491	-	-	247	-	-	30	-	
	HH6	HH9	2	-	-	652	-	-	110	2-3"
	2491	2493	-	-	222	-	-	72	-	
	HH9	HH9-1	2	-	-	632	-	-	144	2-3"
	2493	2495	-	-	272	-	-	25	-	
	HH9-1	HH10	2	-	-	546	-	-	232	2-3"
	2495	2497	-	-	180	-	-	116	-	
	BUCKEYE ROAD INTERSECTION									
	HH10	MH1	2	-	-	504	-	-	90	2-3"
	2497	MH1	-	-	246	-	-	45	-	
	MH1	HH13	-	-	-	-	-	43	-	
	MH1	HH13	-	-	-	-	-	-	43	
	MH1	MH2	2	-	-	-	-	-	290	2-3"
	MH1	HH18	-	-	-	-	-	48	-	
	MH1	HH18	2	-	-	-	-	-	96	2-3"
	MH1	SLCB1	-	-	-	55	-	-	-	
	HH18	HH21	-	-	-	-	-	-	82	
	HH18	HH21	-	-	-	-	-	82	-	
	HH21	2500	-	-	-	29	-	-	-	
	HH18	MH2	2	-	-	-	-	-	194	2-3"
	HH21	MH2	-	-	-	-	-	-	63	
	HH21	MH2	-	-	-	-	-	63	-	
	MH2	HH17	2	-	-	-	-	-	98	2-3"
	HH17	2501	-	-	-	-	-	-	6	
	MH2	2502	-	-	-	-	-	31	-	
	MH2	HH24	2	-	-	776	-	-	276	2-3"
	2502	2504	-	-	231	-	-	66	-	
	2504	2506	-	-	264	-	-	52	-	
	HH24	HH25	2	-	-	610	-	-	424	2-3"
	2506	2508	-	-	206	-	-	93	-	
	2508	2510	-	-	125	-	-	107	-	
	COTTAGE GROVE ROAD INTERSECTION									
	HH25	MH3	2	-	-	298	-	-	158	2-3"
	2510	MH3	-		79	-	-	39	-	
	HH26	MH3	-	113	-	-	-	-	-	
	HH28	MH3	-	-	-	-	-	32	-	
	HH28	MH3	-	-	-	-	-	-	32	
	HH31	2512	-	-	-	7	-	-	-	
	HH31	HH32	2	-	-	90	-	-	-	2-3"
	2512	HH32	-	-	36	-	-	-	-	
	MH3	HH32	2	-	-	-	-	-	270	2-3"
	MH3	HH32	-	-	-	-	-	135	-	
	HH32	HH39	2	-	-	752	-	-	190	2-3"
	HH32	2514	-	-	121	-	-	-	-	
	2514	2516	-	-	139	-	-	72	-	
	2516	HH39	-	-	116	-	-	23	-	
	TOTAL STAGE 3			113	2603	5113	0	1219	3041	
	TOTAL 0020			388	4267	5364	0	2026	3667	

3

TRAFFIC DETECTOR LOOPS

CATEGORY	LOOP NO.	STATION	OFFSET		CURBLINE REFERENCE	SIZE	NO. TURNS	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF
0010	L1	124+67	15	FT	E	6 x 16	3	54	152
	L2	126+23	10.5	FT	E	6 x 6	3	34.5	93
	L3	126+23	22.5	FT	E	6 x 6	3	46.5	117
	L4	128+03	PLAN	FT	PLAN	6 x 16	3	57	158
	L5	11'B'+55	17	FT	N	6 x 6	3	41	106
	L6	11'B'+55	5	FT	N	6 x 6	3	29	82
	L7	12'B'+08	16	FT	N	6 x 6	3	40	104
	L8	10'L'+50	8.5	FT	S-MEDIAN	6 x 11	3	40	114
	L9	128+75	5	FT	MEDIAN	6 x 6	3	29	82
	L10	128+92	5	FT	MEDIAN	6 x 20	3	57	166
	L11	129+96	10.5	FT	W	6 x 6	3	34.5	93
	L12	129+96	22.5	FT	W	6 x 6	3	46.5	117
	L13	131+47	15	FT	W	6 x 16	3	54	152
	L14	139+18	15	FT	E	6 x 16	3	54	152
	L15	140+31	22	FT	E	6 x 6	3	46	116
	L16	140+31	10	FT	E	6 x 6	3	34	92
	L17	11'C'+02	21	FT	N	6 x 6	3	45	114
	L18	11'C'+04	9	FT	N	6 x 6	3	33	90
	L19	11'C'+52	12	FT	N	6 x 16	3	51	146
	L20	9'F'+75	PLAN	FT	PLAN	6 x 20	3	64	180
	L21	142+97	33	FT	E	6 x 6	3	63	150
	L22	143+13	31	FT	E	6 x 20	3	100	252
	L23	144+14	6	FT	W	6 x 6	3	30	84
	L24	144+14	18	FT	W	6 x 6	3	42	108
	L25	145+40	15	FT	W	6 x 16	3	54	152
							TOTAL 0010	1179	3172

Offset is to front center of loop.
Curbline Reference: E: Curb EAST of loop
W: Curb WEST of loop
N: Curb NORTH of loop
S: Curb SOUTH of loop

CONCRETE BASES

CATEGORY	STRUCTURE	STATION	OFFSET	654.0110 TYPE 10 EACH	SPV.0060.11 TYPE G EACH	SPV.0060.12 TYPE LB-3 EACH	SPV.0060.13 TYPE LB-8 EACH	SPV.0060.14 TYPE M EACH	SPV.0060.15 TYPE P EACH	COMMENTS
0010	STAGE 2									
	TS2	127+43	30	-	-	-	1	-	-	
	TS3	127+90	37.4	-	1	-	-	-	-	
	TS4	128+49	29.9	-	1	-	-	-	-	
	TS5	128+71	30	-	1	-	-	-	-	
	TS12	141+51	30	1	-	-	-	-	-	
	TS13	142+53	37.7	-	1	-	-	-	-	
			TOTAL STAGE 2	1	4	0	1	0	0	
0010	STAGE 3									
	TS1	127+38	41.4	-	1	-	-	-	-	
	TSCB1	11'B'+23	42.1	-	-	-	-	-	1	
	TS9	10'B'+89	23.5	-	1	-	-	-	-	
	TS8	10'L'+51	33.1	-	1	-	-	-	-	
	TS7	10'L'+47	26.2	-	1	-	-	-	-	
	TS6	128+92	48.8	-	-	-	1	-	-	
	TS11	141+51	41.3	-	1	-	-	-	-	
	TS10	10'C'+85	30.8	-	-	-	1	-	-	
	TS10-1	10'C'+70	38.5	-	1	-	-	-	-	
	TSCB2	10'C'+96	29.5	-	-	-	-	-	1	
	TS14	142+96	41.2	1	-	-	-	-	-	
			TOTAL STAGE 3	1	6	0	2	0	2	
			TOTAL 0010	2	10	0	3	0	2	

3

3

CONCRETE BASES (CONTINUED)

0020	STAGE 2								
	2486	111+59	26.5	-	-	1	-	-	-	
	2488	9'W'+39	23.1	-	-	1	-	-	-	
	2490	114+32	34.6	-	-	1	-	-	-	
	2492	117+31	30.5	-	-	1	-	-	-	
	2494	120+27	30.5	-	-	1	-	-	-	
	2496	123+24	30.5	-	-	1	-	-	-	
	2498	126+17	30	-	-	1	-	-	-	
	2499	127+40	5.3	-	-	-	1	-	-	15 INCH BOLT CIRCLE
	2503	130+25	30	-	-	1	-	-	-	
	2505	133+45	30.4	-	-	1	-	-	-	
	2507	136+47	30.5	-	-	1	-	-	-	
	2509	139+18	30.5	-	-	1	-	-	-	
	2513	143+01	30.2	-	-	1	-	-	-	
	2515	145+03	26.5	-	-	1	-	-	-	
	2517	147+35	27.7	-	-	1	-	-	-	
			TOTAL STAGE 2	0	0	14	1	0	0	
0020	STAGE 3								
	2487	10'W'+50	21	-	-	1	-	-	-	
	2489	112+91	30.6	-	-	1	-	-	-	
	2491	115+83	30.5	-	-	1	-	-	-	
	2493	118+79	28.6	-	-	1	-	-	-	
	2495	121+76	30.5	-	-	1	-	-	-	
	2497	124+72	30.5	-	-	1	-	-	-	
	SLCB1	11'B'+37	30	-	-	-	-	1	-	
	2500	11'B'+07	26	-	-	1	-	-	-	
	2501	10'B'+10	8.1	-	-	-	1	-	-	15 INCH BOLT CIRCLE
	2502	10'L'+73	38.7	-	-	1	-	-	-	
	2504	131+88	32.7	-	-	1	-	-	-	
	2506	134+98	30.5	-	-	1	-	-	-	
	2508	137+97	30	-	-	1	-	-	-	
	2510	140+25	35.9	-	-	1	-	-	-	
	2511	141+54	5.4	-	-	1	-	-	-	
	2512	10'C'+53	38	-	-	1	-	-	-	
	2514	143+99	37.6	-	-	1	-	-	-	
	2516	146+12	32.6	-	-	1	-	-	-	
			TOTAL STAGE 3	0	0	16	1	1	0	
			TOTAL 0020	0	0	30	2	1	0	

CABLE TRAFFIC SIGNAL AND WIRE LIGHTING SUMMARY

CATEGORY	FROM	TO	655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF*	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF*	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0280 CABLE TRAFFIC SIGNAL 19-14 AWG LF	655.0290 CABLE TRAFFIC SIGNAL 21-14 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0620 WIRE LIGHTING 8 AWG LF	655.0625 WIRE LIGHTING 6 AWG LF	SPV.0090.08 LOOP DETECTOR LEAD-IN CABLE LF	COMMENT
0010	STAGE 4														
	BUCKEYE ROAD INTERSECTION														
	TSCB1	TS4	-	292	-	-	-	-	-	-	-	-	-	-	
	TSCB1	TS5	-	291	-	-	-	-	-	-	-	-	-	-	
	TS2	TS3	-	-	87	-	-	-	-	-	-	-	-	-	
	TSCB1	TS2	-	-	-	-	-	-	166	-	-	-	-	-	
	TSCB1	2499	-	-	-	-	-	-	-	124	-	-	-	-	
	TSCB1	TS1	-	-	-	-	87	-	-	-	-	-	-	-	
	TSCB1	2501	-	-	-	285	-	-	-	-	-	-	-	-	
	TSCB1	TS6	-	-	-	234	-	-	-	-	-	-	-	-	
	TSCB1	TS7	-	235	-	-	-	-	-	-	-	-	-	-	
	TSCB1	TS8	-	-	-	217	-	-	-	-	-	-	-	-	
	TSCB1	2500	-	-	-	239	-	-	-	-	-	-	-	-	
	TSCB1	TS9	-	132	-	-	-	-	-	-	-	-	-	-	
	COTTAGE GROVE ROAD INTERSECTION														
	TSCB2	TS13	-	-	-	-	-	266	-	-	-	-	-	-	
	TSCB2	TS12	-	-	-	158	-	-	-	-	-	-	-	-	
	TSCB2	2511	-	-	-	-	121	-	-	-	-	-	-	-	
	TSCB2	TS11	-	-	-	-	-	-	84	-	-	-	-	-	
	TSCB2	TS10	-	20	-	-	-	-	-	-	-	-	-	-	
	TSCB2	TS10-1	43	-	-	-	-	-	-	-	-	-	-	-	
	TSCB2	2513	-	-	-	-	-	-	231	-	-	-	-	-	
	TSCB2	TS14	-	-	-	148	-	-	-	-	-	-	-	-	
	TSCB2	2512	-	-	-	-	-	97	-	-	-	-	-	-	
	SYSTEM														
	Detector loop lead-in		-	-	-	-	-	-	-	-	-	-	-	6000	
		TOTAL 0010	43	970	87	1281	208	363	481	124	0	0	0	6000	0

CABLE TRAFFIC SIGNAL AND WIRE LIGHTING SUMMARY (CONTINUED)

CATEGORY	FROM	TO	655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF*	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF*	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0280 CABLE TRAFFIC SIGNAL 19-14 AWG LF	655.0290 CABLE TRAFFIC SIGNAL 21-14 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0620 WIRE LIGHTING 8 AWG LF	655.0625 WIRE LIGHTING 6 AWG LF	SPV.0090.08 LOOP DETECTOR LEAD-IN CABLE LF	COMMENT
0020	STAGE 2														
	2486	HH2	-	-	-	-	-	-	-	-	-	96	288	-	
	HH2	2488	-	-	-	-	-	-	-	-	-	54	162	-	
	2488	HH8	-	-	-	-	-	-	-	-	-	50	150	-	
	HH8	2490	-	-	-	-	-	-	-	-	-	159	477	-	
	2490	2492	-	-	-	-	-	-	-	-	-	317	951	-	
	2492	2494	-	-	-	-	-	-	-	-	-	307	921	-	
	2494	2496	-	-	-	-	-	-	-	-	-	308	924	-	
	2496	2498	-	-	-	-	-	-	-	-	-	306	918	-	
	2498	HH12	-	-	-	-	-	-	-	-	-	121	363	-	
	HH12	HH13	-	-	-	-	-	-	-	-	-	92	276	-	TWO RUNS
	HH13	2499	-	-	-	-	-	-	-	-	-	32	96	-	TWO RUNS
	HH12	HH16	-	-	-	-	-	-	-	-	-	133	399	-	
	HH16	HH17	-	-	-	-	-	-	-	-	-	57	171	-	
	HH16	2503	-	-	-	-	-	-	-	-	-	170	510	-	
	2502	2504	-	-	-	-	-	-	-	-	-	307	921	-	
	2503	2505	-	-	-	-	-	-	-	-	-	325	975	-	
	2505	2507	-	-	-	-	-	-	-	-	-	312	936	-	
	2507	2509	-	-	-	-	-	-	-	-	-	282	846	-	
	2509	HH27	-	-	-	-	-	-	-	-	-	238	714	-	
	HH27	HH28	-	-	-	-	-	-	-	-	-	94	282	-	TWO RUNS
	HH28	2511	-	-	-	-	-	-	-	-	-	32	96	-	TWO RUNS
	HH27	HH34	-	-	-	-	-	-	-	-	-	153	459	-	
	HH34	2513	-	-	-	-	-	-	-	-	-	48	144	-	TWO RUNS
	HH34	HH35	-	-	-	-	-	-	-	-	-	46	138	-	
	HH35	2515	-	-	-	-	-	-	-	-	-	195	585	-	
	2515	2517	-	-	-	-	-	-	-	-	-	242	726	-	
		TOTAL STAGE 2	0	0	0	0	0	0	0	0	0	4476	13428	0	
0020	STAGE 3														
	2487	HH5	-	-	-	-	-	-	-	-	-	55	165	-	
	HH5	2489	-	-	-	-	-	-	-	-	-	39	117	-	
	2489	HH6	-	-	-	-	-	-	-	-	-	17	51	-	
	HH6	2491	-	-	-	-	-	-	-	-	-	287	861	-	
	2491	2493	-	-	-	-	-	-	-	-	-	304	912	-	
	2493	2495	-	-	-	-	-	-	-	-	-	307	921	-	
	2495	2497	-	-	-	-	-	-	-	-	-	306	918	-	
	2497	MH1	-	-	-	-	-	-	-	-	-	301	903	-	
	MH1	HH13	-	-	-	-	-	-	-	-	-	106	318	-	TWO RUNS
	MH1	HH18	-	-	-	-	-	-	-	-	-	58	174	-	
	MH1	SLCB1	-	-	-	-	-	-	-	-	-	260	780	-	FOUR RUNS
	HH18	HH21	-	-	-	-	-	-	-	-	-	92	276	-	
	HH21	2500	-	-	-	-	-	-	-	-	-	78	234	-	TWO RUNS
	HH21	MH2	-	-	-	-	-	-	-	-	-	73	219	-	
	MH2	2502	-	-	-	-	-	-	-	-	-	41	123	-	
	2504	2506	-	-	-	-	-	-	-	-	-	326	978	-	
	2506	2508	-	-	-	-	-	-	-	-	-	309	927	-	
	2508	2510	-	-	-	-	-	-	-	-	-	242	726	-	
	2510	MH3	-	-	-	-	-	-	-	-	-	128	384	-	
	MH3	HH32	-	-	-	-	-	-	-	-	-	145	435	-	
	HH32	2514	-	-	-	-	-	-	-	-	-	131	393	-	
	2514	2516	-	-	-	-	-	-	-	-	-	221	663	-	
		TOTAL STAGE 3	0	0	0	0	0	0	0	0	0	3826	11478	0	
0020	SYSTEM														
	System Ground		-	-	-	-	-	-	-	-	1680	-	-	-	
	System Neutral		-	-	-	-	-	-	-	-	1680	-	-	-	
	Pull Wire (total)		-	-	-	-	-	-	-	-	8100	-	-	-	
		TOTAL SYSTEM	0	0	0	0	0	0	0	0	11460	0	0	0	
		TOTAL 0020	0	0	0	0	0	0	0	0	11460	8302	24906	0	

* ADDITIONAL QUANTITY LISTED ELSEWHERE

CABLE TRAFFIC SIGNAL (IN POLE)

CATEGORY	AT POLE #	TO HEAD #	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF*	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF*
0010	STAGE 4			
	BUCKEYE/LAKE EDGE/MONONA INTERSECTION			
	TS1	1	-	15
	TS1	2	15	-
	TS1	P1	10	-
	2499	3	-	15
	2499	4	15	-
	2499	5	35	-
	TS2	6	35	-
	TS2	P2	10	-
	TS3	7	15	-
	TS3	8	15	-
	TS4	9	15	-
	TS5	10	15	-
	2501	11	-	15
	2501	12	15	-
	2501	13	35	-
	TS6	14	35	-
	TS6	15	15	-
	TS6	P3	10	-
	T7	16	15	-
	T7	17	15	-
	T8	18	15	-
	T8	P4	10	-
	2500	19	15	-
	2500	P5	10	-
	TS9	P6	10	-
		SUBTOTAL	380	45
	COTTAGE GROVE/MONONA INTERSECTION:			
	TS10	1	35	-
	TS11	2	-	15
	TS11	3	15	-
	TS11	P1	10	-
	TS11	P2	10	-
	2511	4	-	15
	2511	5	15	-
	TS12	6	45	-
	TS12	7	35	-
	TS12	P3	10	-
	TS13	8	15	-
	TS13	9	15	-
	TS13	P4	10	-
	2513	10	-	15
	2513	11	15	-
	2513	P5	10	-
	2513	P6	10	-
	TS14	12	35	-
	TS14	13	45	-
	TS14	P7	10	-
	2512	14	15	-
	2512	15	-	15
	2512	P8	10	-
		SUBTOTAL	365	60
		TOTAL 0010	745	105

* ADDITIONAL QUANTITY LISTED ELSEWHERE

CONTROL CABINET SUMMARY

CATEGORY	STRUCTURE	656.0200 ELECTRICAL SERVICE METER PEDESTAL LS	SPV.0060.36 TRAFFIC SIGNAL CONTROL CABINET, BLACK EACH	SPV.0060.37 TRAFFIC SIGNAL CONTROLLER EACH	SPV.0060.38 NEMA PLUS CONFLICT MONITOR EACH	SPV.0060.52 LIGHTING CONTROL CABINETS, BLACK EACH
0010	STAGE 3					
	TSC81	1	1	1	1	-
	TSC82	1	1	1	1	-
	TOTAL 0010	2	2	2	2	0
0020	STAGE 3					
	SLC81	1	-	-	-	1
	TOTAL 0020	1	0	0	0	1

TRAFFIC SIGNAL AND LIGHTING SUMMARY

CATEGORY	STRUCTURE	657.0100 PEDESTAL BASES EACH	658.0500 PEDESTRIAN PUSH BUTTON EACH	SPV.0060.22 TRANSFORMER BASE 16-INCH STEEL, BLACK EACH	SPV.0060.23 TRANSFORMER BASE 20-INCH STEEL, BLACK EACH	SPV.0060.24 TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 3.5-FOOT EACH	SPV.0060.25 TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 9-FOOT EACH	SPV.0060.26 TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 13-FOOT EACH	SPV.0060.27 TRAFFIC SIGNAL STANDARD ALUMINUM BLACK 15-FOOT EACH	SPV.0060.28 POLE 20-FOOT BLACK 7 GAUGE EACH	SPV.0060.29 POLE 30-FOOT BLACK 11 GAUGE EACH	SPV.0060.30 POLE 30-FOOT BLACK 7 GAUGE EACH	SPV.0060.31 MONOTUBE POLE TYPE 9 BLACK EACH	SPV.0060.32 MONOTUBE ARM 25-FOOT BLACK EACH	SPV.0060.33 MONOTUBE ARM 30-FOOT BLACK EACH	SPV.0060.34 LIGHTING FIXTURES TYPE-A EACH	SPV.0060.35 LIGHTING FIXTURES TYPE-B EACH
0010	STAGE 4																
	2499	-	1	-	1	-	-	-	-		-	1	-	-	-	-	-
	2500	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-
	2501	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-
	2511	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-
	2512	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-
	2513	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-
	TS1	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	TS2	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	TS3	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	TS4	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	TS5	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	TS6	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	TS7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TS8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TS9	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	TS10	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	TS10-1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	TS11	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	TS12	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
	TS13	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	TS14	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-
	TSCB1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TSCB2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL 0010	10	14	4	2	1	1	4	2	3	4	2	2	1	1	0	0
0020	STAGE 4																
	2486	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2487	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2488	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2489	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	2490	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2491	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2492	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2493	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2494	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2495	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2496	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2497	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2498	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	2499	-	-	-	-	-	-	-	-		-	-	-	-	-	-	2
	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	2501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	2502	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2503	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2504	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2505	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2506	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2507	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2508	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2509	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	2510	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	2511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	2512	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	2513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	2514	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	2515	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	2516	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	2517	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
	SLCB1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL 0020	0	0	0	0	0	0	0	0	0	26	0	0	0	0	20	15

NOTE: POLES 2499, 2501 AND 2511 NEED TO BE DRILLED FOR TWO ARM STRUCTURES

TRAFFIC SIGNAL AND LIGHTING SUMMARY

CATEGORY	STRUCTURE	SPV.0060.39 TRAFFIC SIGNAL TROMBONE ARMS BLACK ALUMINUM 12-FOOT EACH	SPV.0060.40 TRAFFIC SIGNAL TROMBONE ARMS BLACK ALUMINUM 15-FOOT EACH	SPV.0060.41 TRAFFIC SIGNAL TROMBONE ARMS BLACK ALUMINUM 18-FOOT EACH	SPV.0060.42 TRAFFIC SIGNAL HEADS 8-INCH 3-SECTION VERTICAL EACH	SPV.0060.43 TRAFFIC SIGNAL HEADS 12-INCH 3-SECTION VERTICAL EACH	SPV.0060.44 TRAFFIC SIGNAL HEADS 12-INCH 4-SECTION VERTICAL EACH	SPV.0060.45 TRAFFIC SIGNAL HEADS 12-INCH 5-SECTION VERTICAL EACH	SPV.0060.46 TRAFFIC SIGNAL HEADS 12-INCH 3-SECTION HORIZONTAL EACH	SPV.0060.47 TRAFFIC SIGNAL HEADS 12-INCH PEDESTRIAN EACH	SPV.0060.48 TRAFFIC SIGNAL HEADS 12-INCH PEDESTRIAN COUNTDOWN EACH	SPV.0060.49 BACKPLATES SIGNAL FACE 3-SECTION 12-INCH EACH	SPV.0060.50 BACKPLATES SIGNAL FACE 4-SECTION 12-INCH EACH	SPV.0060.51 BACKPLATES SIGNAL FACE 5-SECTION 12-INCH EACH
0010	STAGE 4													
	2499	1		-	-	1	1	-	1	-	-	2	1	-
	2500	-	-	-	1	-	-	-	-	1	1	-	-	-
	2501	1	-	-	-	1	1	-	1	-	-	2	1	-
	2511	-	-	-	-	1	1	-	-	-	-	1	1	-
	2512	-	-	-	-	1	-	1	-	1	1	1	-	1
	2513	-	-	-	-	1	-	1	-	2	2	1	-	1
	TS1	-	-	-	-	1	-	-	-	1	1	1	1	-
	TS2	-	1	-	-	-	-	-	1	1	1	1	-	-
	TS3	-	-	-	1	1	-	-	-	-	-	1	-	-
	TS4	-	-	-	-	1	-	-	-	-	-	1	-	-
	TS5	-	-	-	-	1	-	-	-	-	-	1	-	-
	TS6	-	1	-	-	1	-	-	1	1	1	2	-	-
	TS7	-	-	-	1	1	-	-	-	-	-	1	-	-
	TS8	-	-	-	-	1	-	-	-	1	1	1	-	-
	TS9	-	-	-	-	-	-	-	-	1	1	-	-	-
	TS10	-	-	1	-	-	-	-	1	-	-	1	-	-
	TS10-1	-	-	-	-	-	-	-	-	-	-	-	-	-
	TS11	-	-	-	-	1	1	-	-	2	2	1	1	-
	TS12	-	-	-	-	2	-	-	-	1	1	2	-	-
	TS13	-	-	-	1	1	-	-	-	1	1	1	-	-
	TS14	-	-	-	-	2	-	-	-	1	1	-	-	-
	TSCB1	-	-	-	-	-	-	-	-	-	-	-	-	-
	TSCB2	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL 0010	2	2	1	4	18	4	2	5	14	14	21	5	2
0020	STAGE 4													
	2486	-	-	-	-	-	-	-	-	-	-	-	-	-
	2487	-	-	-	-	-	-	-	-	-	-	-	-	-
	2488	-	-	-	-	-	-	-	-	-	-	-	-	-
	2489	-	-	-	-	-	-	-	-	-	-	-	-	-
	2490	-	-	-	-	-	-	-	-	-	-	-	-	-
	2491	-	-	-	-	-	-	-	-	-	-	-	-	-
	2492	-	-	-	-	-	-	-	-	-	-	-	-	-
	2493	-	-	-	-	-	-	-	-	-	-	-	-	-
	2494	-	-	-	-	-	-	-	-	-	-	-	-	-
	2495	-	-	-	-	-	-	-	-	-	-	-	-	-
	2496	-	-	-	-	-	-	-	-	-	-	-	-	-
	2497	-	-	-	-	-	-	-	-	-	-	-	-	-
	2498	-	-	-	-	-	-	-	-	-	-	-	-	-
	2499	-	-	-	-	-	-	-	-	-	-	-	-	-
	2500	-	-	-	-	-	-	-	-	-	-	-	-	-
	2501	-	-	-	-	-	-	-	-	-	-	-	-	-
	2502	-	-	-	-	-	-	-	-	-	-	-	-	-
	2503	-	-	-	-	-	-	-	-	-	-	-	-	-
	2504	-	-	-	-	-	-	-	-	-	-	-	-	-
	2505	-	-	-	-	-	-	-	-	-	-	-	-	-
	2506	-	-	-	-	-	-	-	-	-	-	-	-	-
	2507	-	-	-	-	-	-	-	-	-	-	-	-	-
	2508	-	-	-	-	-	-	-	-	-	-	-	-	-
	2509	-	-	-	-	-	-	-	-	-	-	-	-	-
	2510	-	-	-	-	-	-	-	-	-	-	-	-	-
	2511	-	-	-	-	-	-	-	-	-	-	-	-	-
	2512	-	-	-	-	-	-	-	-	-	-	-	-	-
	2513	-	-	-	-	-	-	-	-	-	-	-	-	-
	2514	-	-	-	-	-	-	-	-	-	-	-	-	-
	2515	-	-	-	-	-	-	-	-	-	-	-	-	-
	2516	-	-	-	-	-	-	-	-	-	-	-	-	-
	2517	-	-	-	-	-	-	-	-	-	-	-	-	-
	SLCB1	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL 0020	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: POLES 2499, 2501 AND 2511 NEED TO BE DRILLED FOR TWO ARM STRUCTURES

SAWCUTTING

CATEGORY	STATION	STATION	DESCRIPTION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	STAGE 1				
	110+00	-	RT CURB	-	2.5
	110+00	112+15	RT EDGE OF PAVEMENT	-	254
	112+75	127+67	RT EDGE OF PAVEMENT	-	1508
	123+00	-	BOX CULVERT TRENCH	-	50
	123+25	-	BOX CULVERT TRENCH	-	50
	123+29	127+63	PARKING LOT RT	569	-
	127+50	10'L'+92	BOX CULVERT TRENCH	-	320
	10'L'+92	12'L'+00	BOX CULVERT TRENCH	216	-
	129+28	138+33	RT EDGE OF PAVEMENT	-	916
	138+85	141+71	RT EDGE OF PAVEMENT	-	300
	138+88	141+61	PARKING LOT RT	324	-
	142+53	148+00	RT EDGE OF PAVEMENT	-	549
	148+00	-	RT CURB	-	2.5
	115+28	115+49	DRIVEWAY 37' RT	-	19
	116+41	116+56	DRIVEWAY 45' RT	-	15
	117+06	117+25	DRIVEWAY 42' RT	-	18
	117+98	118+10	DRIVEWAY 40' RT	-	12
	120+06	120+21	DRIVEWAY 51' RT	-	15
	121+89	122+51	DRIVEWAY 41.5' RT	62	-
	129+93	130+07	DRIVEWAY 59' RT	-	18
	130+21	130+40	DRIVEWAY 58' RT	-	22
	132+48	132+59	DRIVEWAY 40' RT	-	11
	134+21	134+27	DRIVEWAY 39' RT	-	7
	134+45	134+57	DRIVEWAY 38' RT	12	-
	134+62	134+87	DRIVEWAY 40' RT	25	-
	135+83	136+03	DRIVEWAY 40' RT	20	-
	136+36	136+78	DRIVEWAY 40' RT	42	-
	137+00	137+25	DRIVEWAY 40' RT	25	-
	141+64	-	SIDEWALK 42' RT	-	12
	142+51	-	SIDEWALK 43' RT		8
	144+69	144+96	DRIVEWAY 52' RT	-	27
	145+63	145+93	DRIVEWAY 50' RT	-	34
	148+00	-	SIDEWALK BUTT JOINT	-	5
			STAGE 1 TOTAL	1295	4175

SAWCUTTING (CONTINUED)

CATEGORY	STATION	STATION	DESCRIPTION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	STAGE 2				
	111+54	-	BUTT JOINT	-	26
	111+54	-	SIDEWALK BUTT JOINT	-	5
	111+54	147+51	CENTERLINE	-	3597
	147+51	-	BUTT JOINT	-	26
	114+51	144+60	DRIVEWAY 54' LT	-	9
	114+64	114+76	DRIVEWAY 54' LT	-	12
	119+56	119+72	DRIVEWAY 40' LT	-	16
	122+59	122+71	DRIVEWAY 40' LT	-	12
	124+31	124+73	DRIVEWAY 47' LT	-	42
	125+25	125+38	DRIVEWAY 47' LT	-	13
	125+81	125+93	DRIVEWAY 42' LT	-	12
	126+55	126+90	DRIVEWAY 48' LT	-	32
	127+95	128+27	DRIVEWAY 44' LT	-	35
	128+71	128+93	DRIVEWAY 36' LT	22	-
	129+11	129+36	DRIVEWAY 36' LT	25	-
	129+62	129+76	DRIVEWAY 36' LT	14	-
	130+97	131+12	DRIVEWAY 36' LT	-	15
	131+27	131+37	DRIVEWAY 36' LT	-	10
	132+06	132+21	DRIVEWAY 40' LT	-	15
	132+68	132+77	DRIVEWAY 45' LT	-	9
	133+11	133+36	DRIVEWAY 46' LT	-	25
	133+81	134+03	DRIVEWAY 46' LT	22	-
	134+73	134+98	DRIVEWAY 45' LT	-	25
	135+05	135+17	DRIVEWAY 42' LT	12	-
	135+71	135+80	DRIVEWAY 45' LT	9	-
	135+98	136+08	DRIVEWAY 45' LT	-	10
	136+63	136+91	DRIVEWAY 40' LT	28	-
	137+18	137+60	DRIVEWAY 44' LT	42	-
	137+74	137+99	DRIVEWAY 57' LT	25	-
	138+69	138+98	DRIVEWAY 40' LT	29	-
	139+31	139+62	DRIVEWAY 45' LT	-	34
	140+07	140+55	DRIVEWAY 45' LT	-	53
	140+70	140+93	DRIVEWAY 41' LT	-	23
	141+15	141+41	DRIVEWAY 37' LT	26	-
	145+54	145+98	DRIVEWAY 40' LT	-	45
	147+51	-	SIDEWALK BUTT JOINT	-	5
	7'W'+19	-	BUTT JOINT	27	-
	7'W'+76	8'W'+00	DRIVEWAY 36' RT	24	-
	7'W'+53	7'W'+59	DRIVEWAY 29' LT	26	-
	8'F'+71	-	BUTT JOINT	29	-
	8'F'+71	-	SIDEWALK BUTT JOINT	-	5
	8'W'+75	8'W'+86	DRIVEWAY 43' RT	-	12
	8'F'+71	8'F'+80	DRIVEWAY 21' RT	-	9
	9'F'+41	9'F'+64	DRIVEWAY 49' RT	-	16
			STAGE 2 TOTAL	360	4148

SAWCUTTING (CONTINUED)

CATEGORY	STATION	STATION	DESCRIPTION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	STAGE 3				
	111+54	-	BUTT JOINT	-	18
	147+51	-	BUTT JOINT	-	18
	10'W'+50	-	BUTT JOINT	34	-
	13'B'+00	-	BUTT JOINT	41	-
	11'B'+46	13'B'+00	PARKING LOT RT	174	-
	12'B'+63	-	SIDEWALK BUTT JOINT	-	5
	12'L'+11	-	BUTT JOINT	19	-
	12'L'+23	-	BUTT JOINT	19	-
	10'D'+63	-	BUTT JOINT	28	-
	10'C'+91	11'C'+64	PARKING LOT RT	114	-
	11'C'+64	-	SIDEWALK BUTT JOINT RT	-	5
	11'C'+64	-	SIDEWALK BUTT JOINT LT	-	5
			STAGE 3 TOTAL	429	51
0010	STAGE 4				
	126+56	127+55	MEDIAN	217	-
	128+68	129+13	MEDIAN	98	-
	140+53	141+64	MEDIAN	235	-
			STAGE 4 TOTAL	550	0
			TOTAL 0010	2634	8374

ADJUST VALVE BOX

CATEGORY	STATION	LOCATION	SPV.0060.05 ADJUST VALVE BOX EACH
0010	STAGE 2		
	111+64	59 LT	1
	9'W'+38	3 LT	1
	126+85	38 LT	1
	142+51	16 LT	1
	142+55	38 LT	1
	9'F'+41	36 LT	1
		STAGE 2 TOTAL	6
0010	STAGE 3		
	111+86	21 RT	1
	112+75	21 RT	1
	118+99	24 RT	1
	124+69	22 RT	1
	125+40	25 RT	1
	126+53	21 RT	1
	128+14	33 RT	1
	10'B'+42	14 RT	1
	11'B'+16	14 LT	1
	11'B'+51	18 LT	1
	129+37	26 RT	1
	129+50	27 RT	1
	132+43	25 RT	1
	132+75	15 RT	1
	133+81	21 RT	1
	134+29	20 RT	1
	138+37	23 RT	1
	138+44	15 RT	1
	10'D'+36	9 RT	1
	10'D'+43	28 RT	1
	138+97	12 RT	1
	140+99	21 RT	1
	141+87	26 RT	1
	10'C'+34	21 LT	1
	11'C'+49	66 RT	1
	142+51	27 RT	1
	147+72	20 RT	1
		STAGE 3 TOTAL	27
		TOTAL 0010	33

UTILITY LINE OPENINGS

CATEGORY	LOCATION	SPV.0060.09 EACH	COMMENT
0010			
	UNDISTRIBUTED	20	USE TO LOCATE UTILITY CONFLICTS
	TOTAL 0010	20	

PULL BOXES

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.10 ELECTRICAL UTILITY ACCESS STRUCTURE EACH	SPV.0060.16 PULL BOX TYPE I EACH	SPV.0060.17 PULL BOX TYPE III EACH	SPV.0060.18 PULL BOX TYPE V EACH
0010	STAGE 2						
	HH1	111+99	28.8	-	1	-	-
	HH2	112+18	67.3	-	1	-	-
	HH7	112+60	70	-	1	-	-
	HH8	112+89	39.8	-	1	-	-
	HH12	127+35	29	-	-	-	1
	HH13	127+09	7.5	-	1	-	-
	HH15	127+87	26.8	-	1	-	-
	HH16	128+85	29	-	-	-	1
	HH22	129+97	28.5	-	-	1	-
	HH23	131+48	14.2	-	-	1	-
	HH27	141+46	29	-	-	-	1
	HH28	141+45	8.1	-	1	-	-
	HH33	142+35	28.7	-	1	-	-
	HH34	142+86	39.7	-	-	-	1
	HH35	143+21	39.4	-	1	-	-
	HH36	144+15	24.5	-	-	1	-
	HH37	140+41	24.5	-	-	1	-
	HH38	147+50	26.2	-	-	1	-
	TOTAL STAGE 2			0	9	5	4
0010	STAGE 3						
	HH3	111+93	29.2	-	1	-	-
	HH3-1	111+55	25.4	-	1	-	-
	HH4	112+24	45.8	-	1	-	-
	HH5	112+68	45.6	-	1	-	-
	HH6	112+97	14.4	-	1	-	-
	HH9	116+89	28.7	-	1	-	-
	HH9-1	120+77	28.7	-	1	-	-
	HH10	120+66	28.5	-	1	-	-
	HH11	126+21	31	-	-	1	-
	MH1	127+53	46	1	-	-	-
	HH14	127+71	73.5	-	-	1	-
	HH17	128+89	12.8	-	1	-	-
	MH2	128+94	54.3	1	-	-	-
	HH18	128+25	50.7	-	1	-	-
	HH19	11'B'+56	12.2	-	-	1	-
	HH20	12'B'+08	24.3	-	-	1	-
	HH21	10'L'+57	30.9	-	1	-	-
	HH24	134+02	28.7	-	1	-	-
	HH25	139+18	28.9	-	1	-	-
	HH26	140+30	34.2	-	-	1	-
	MH3	141+44	39.9	1	-	-	-
	HH29	11'C'+52	25.7	-	-	1	-
	HH30	11'C'+04	30.5	-	-	1	-
	HH31	10'C'+60	35.9	-	1	-	-
	HH32	142+78	40.5	-	-	-	1
	HH39	147+49	24.7	-	1	-	-
	TOTAL STAGE 3			3	15	7	1
	TOTAL 0010			3	24	12	5

STONE VENEER WALL

CATEGORY	STATION	LOCATION	SPV.0060.20 STONE VENEER WALL EACH	CUBIC YARDS OF CONCRETE*	LBS OF #4 REBAR*	SQUARE FEET OF STONE VENEER*	LINEAR FEET OF STONE CAP*	LENGTH*	HEIGHT*	WALL TEXT DESCRIPTION
0020	STAGE 2									
	9'W'+29	RT	1	3.5	290	102	15'-8"	15'	4'-5"	WINNEQUAH ROAD
	112+78	LT	1	3.5	290	102	15'-8"	15'	4'-5"	MONONA DRIVE
	142+10	LT	1	3.5	290	102	15'-8"	15'	4'-5"	MONONA DRIVE
	TOTAL STAGE 2		3							
0020	STAGE 3									
	10'W'+59	LT	1	3.5	290	102	15'-8"	15'	4'-5"	WINNEQUAH ROAD
	11'B'+08	LT	1	3.5	290	102	15'-8"	15'	4'-5"	MONONA DRIVE
	11'B'+11	LT	1	3.5	290	102	15'-8"	15'	4'-5"	BUCKEYE ROAD
	10'L'+83	LT	1	3.5	290	102	15'-8"	15'	4'-5"	LAKE EDGE BLVD
	10'C'+67	LT	1	3.5	290	102	15'-8"	15'	4'-5"	COTTAGE GROVE ROAD
	TOTAL STAGE 3		5							
	TOTAL 0010		8							

* FOR INFORMATIONAL PURPOSES ONLY

TEMPORARY BUS STOP PAD

CATEGORY	LOCATION	SPV.0060.53 EACH
0010	STAGE 1	
	143+25	1
	STAGE 2	
	142+00	1
	STAGE 3	
	143+25	1
	TOTAL 0010	3

INLET CASTING TYPE FLAT

CATEGORY	LOCATION		SPV.0060.66 EACH	COMMENT
0010	STAGE 1			
	112+25	RT	1	PLACE ON EXISTING FOR TEMPORARY PAVEMENT
	118+26	RT	1	PLACE ON EXISTING FOR TEMPORARY PAVEMENT
	122+85	RT	1	PLACE ON EXISTING FOR TEMPORARY PAVEMENT
	122+90	RT	1	PLACE ON EXISTING FOR TEMPORARY PAVEMENT
	123+24	RT	1	PLACE ON EXISTING FOR TEMPORARY PAVEMENT
	134+24	RT	1	PLACE ON EXISTING FOR TEMPORARY PAVEMENT
	143+13	RT	1	PLACE ON EXISTING FOR TEMPORARY PAVEMENT
	TOTAL 0010		7	

SALVAGE AND REPLACE RETAINING WALL

CATEGORY	STATION - STATION	LOCATION	SPV.0165.01 SALVAGE AND REPLACE STONE RETAINING WALL SF	SPV.0165.04 SALVAGE AND REPLACE TIMBER RETAINING WALL SF	MATERIAL
0030	STAGE 2				
	125+39 - 125+81	LT	210	-	FIELD STONE
	126+28 - 126+55	LT	135	-	FIELD STONE
	131+16 - 131+49	LT	31	-	FIELD STONE
	141+15 - 141+41	LT	-	80	RR TIES
		TOTAL 0030	376	80	

STAMPED COLORED CONCRETE SIDEWALK 5-INCH

CATEGORY		STATION - STATION	LOCATION	SPV.0165.02 STAMPED COLORED CONCRETE SIDEWALK 5-INCH SF
0020	STAGE 2			
		STA 9'F'+46 - STA 9'F'+69	FERCHLAND ISLAND	146
			STAGE 2 TOTALS	146
0020	STAGE 3			
		STA 10'B'+88 - STA 11'B'+06	BUCKEYE ISLAND	168
		STA 10'L'+33 - STA 10'L'+53	LAKE EDGE MEDIAN	122
		STA 10'L'+29 - STA 10'L'+50	LAKE EDGE ISLAND	111
			STAGE 3 TOTALS	401
0020	STAGE 4			
		STA 126+97 - STA 127+47	MEDIAN ISLAND	296
		STA 128+72 - STA 129+13	MEDIAN ISLAND	68
		STA 144+02 - STA 141+66	MEDIAN ISLAND	404
			STAGE 4 TOTALS	
			TOTAL 0010	547

CAST IRON TRUNCATED DOMES, YELLOW

CATEGORY		STATION	STATION	LOCATION	SPV.0165.03 CAST IRON TRUNCATED DOMES, YELLOW SF
0010	STAGE 1				
		112+00 RT	113+00 RT	WINNEQUAH RD	24
		127+00 RT	128+00 RT	BUCKEYE RD	8
		138+00 RT	139+00 RT	DAVIDSON ST	16
		141+50 RT	143+00 RT	COTTAGE GROVE RD	24
				STAGE 1 TOTAL	72
	STAGE 2				
		112+00 LT	113+00 LT	WINNEQUAH RD	24
		127+50 LT	128+00 LT	BUCKEYE RD	8
		141+50 LT	143+50 LT	FERCHLAND PL	48
				STAGE 2 TOTAL	80
	STAGE 3				
		127+50 RT	129+50 RT	BUCKEYE RD	32
		128+00 RT	129+25 RT	LAKE EDGE ROAD	48
		141+50 RT	143+00 RT	COTTAGE GROVE RD	8
				STAGE 3 TOTAL	88
	STAGE 4				
		127+50	128+00	BUCKEYE RD	16
		141+50	142+00	COTTAGE GROVE RD	16
				STAGE 4 TOTAL	32
				TOTAL 0010	272

SANITARY SEWER

PROJECT ID: 5994-00-75

CATEGORY	STATION	LOCATION	SPV.0060.03 SANITARY MANHOLE 4-FT EACH	SPV.0060.65 SANITARY MANHOLE 5-FT EACH	SPV.0060.04 SANITARY MANHOLE COVER EACH	SPV.0090.02 SANITARY SEWER MAIN 8-INCH LF	SPV.0090.03 SANITARY SEWER MAIN 10-INCH LF	SPV.0090.04 SANITARY SEWER LATERAL 6-INCH LF	SPV.0060.63 SANITARY SEWER INTERNAL CHIMNEY SEAL EACH	SPV.0060.64 SANITARY TAP EACH
0010										
	141+25 - 141+19	LT to RT	-	-	-	-	40	-	-	-
	141+25	17' LT	1	-	1	-	-	-	-	-
	141+25 - 144+99	LT	-	-	-	370	-	-	-	-
	144+99	15' LT	1	-	1	-	-	-	-	-
	141+33	13' LT	-	-	-	-	-	5	-	-
	142+72	14' LT	-	-	-	-	-	5	-	-
	144+16	15' LT	-	-	-	-	-	5	-	-
	144+98	17' LT	-	-	-	-	-	5	-	-
	9'F'+33	22' RT	1	-	1	-	-	-	-	-
		TOTAL 0010	3	0	3	370	40	20	0	0
0020										
	142+07	34' RT	-	-	1	-	-	-	1	1
	10'W'+65	9' LT	-	-	1	-	-	-	1	1
	11'B'+30	23.5' LT	-	1	1	-	-	-	1	1
	11'L'+07	7.5' LT	-	1	1	-	-	-	1	1
	11'L'+42.5	7.5' LT	-	1	1	-	-	-	1	2
		TOTAL 0010	0	3	5	0	0	0	5	6

3

WATERMAIN

PROJECT ID: 5994-00-76

CATEGORY	STATION	LOCATION	SPV.0060.06 WATER MAIN GATE VALVE AND VALVE BOX 6-INCH EACH	SPV.0060.07 WATER MAIN GATE VALVE AND VALVE BOX 8-INCH EACH	SPV.0060.68 WATER MAIN GATE VALVE AND VALVE BOX 12-INCH EACH	SPV.0060.08 WATER MAIN HYDRANTS EACH	SPV.0090.05 WATER MAIN 6-INCH LF	SPV.0090.06 WATER MAIN 8-INCH LF	SPV.0090.09 WATER MAIN 12-INCH LF	SPV.0090.07 WATER SERVICE COPPER 1-INCH LF	SPV.0105.01 ABANDON WATER MAIN LS	SPV.0060.61 REMOVE EXISTING HYDRANT EACH	SPV.0060.62 REMOVE EXISTING WATER VALVE BOX EACH
0010													
	111+54 - 111+79	LT	-	-	-	-	-	38	-	-	-	-	-
	111+75	3' LT	-	-	1	-	-	-	-	-	-	-	-
	111+79-112+42.5	LT & RT	-	-	-	-	-	64	28	-	-	-	-
	111+82	3' LT	-	1	-	-	-	-	-	-	-	-	-
	111+79	6' RT	-	-	1	-	-	-	-	-	-	-	-
	112+42.5 - 9'W'+41	LT	-	-	-	-	-	55	-	-	-	-	-
	9'W'+40 - 9'W'+41	LT	-	-	-	-	23	-	-	-	-	-	-
	9'W'+40	23' RT	1	-	-	1	-	-	-	-	-	-	-
	9'W'+41	3' LT	-	1	-	-	-	-	-	-	-	-	-
	111+64	LT	-	-	-	-	-	-	-	65	-	-	-
	9'W'+40	23' RT	-	-	-	-	-	-	-	-	-	1	-
	9'W'+42	25' RT	-	-	-	-	-	-	-	-	-	-	1
	111+54 - 9'W'+39	LT	-	-	-	-	-	-	-	-	1	-	-
		TOTAL 0010	1	2	2	1	23	157	28	65	1	1	1

CONVENTIONAL SIGNS AND ABBREVIATIONS

STATE LINE
COUNTY LINE
TOWNSHIP AND RANGE LINES
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
CORPORATE LIMITS
LOT, TIE AND OTHER MINOR LINES
SLOPE INTERCEPTS
UNDERGROUND FACILITY (Communications, Electric, Etc.)
FENCE
TEMPORARY INTEREST
EASEMENT (Highway, Permanent Limited or Restricted Development)
BEAM GUARD
TRANSMISSION STRUCTURES (Line Optional)
RAIL LINE (SMALL SCALE) (LARGE SCALE)

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
BRIDGE
STREAM OR RIVER
LAKE
CULVERT (Box, Pipe Or Cattle Pass)
SIGN

FOUNDATION OR RUIN
BUILDING
CEMETERY
R/W MONUMENT
NON-MONUMENTED R/W POINT
IRON PIN
VALVE
WINDMILL
MANHOLE, SEPTIC VENT, WELL, ETC.
GAS PUMPS
BUSHES
TREES (Deciduous) (Coniferous)
WOODS
ENCROACHING SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (Label Type - Communications, Electric)		

NO ACCESS (By Acquisition)
NO ACCESS (By Statutory Authority)
NO ACCESS (By Previous Project)

AC.	ACRE
AH.	AHEAD
ALUM. MON.	ALUMINUM MONUMENT
ANT.	ANTENNA
A.P.	ACCESS POINT
B.	BARN
BK.	BACK
B.M.	BENCHMARK
C.	CHURCH
C/L	CENTERLINE
CONC. MON.	CONCRETE MONUMENT
CONST.	CONSTRUCTION
C.P.	CULVERT PIPE
C.S.M.	CERTIFIED SURVEY MAP
D.	DEGREE OF CURVE
ETAL	AND OTHERS
FRL.	FRACTIONAL
H.E.	HIGHWAY EASEMENT
L.C.	LONG CHORD OF CURVE
L.C.B.	LONG CHORD BEARING
LT	LEFT
MI.	MILE
P.	PAGE
P.C.	POINT OF CURVATURE
P.E.	PRIVATE ENTRANCE
PERM.	PERMANENT
P.T.	POINT OF TANGENCY
P.I.	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
R.	RADIUS
R.D.E.	RESTRICTED DEVELOPMENT EASEMENT
REM.	REMAINING
REST.	RESTAURANT
RT	RIGHT
T	TANGENT
TAV.	TAVERN
TEMP.	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
VOL.	VOLUME
W	WALL
FT.	FEET
G.	GARAGE
HOME	HOUSE
L.	LENGTH OF CURVE
R/W	RIGHT OF WAY
S.	SHED
S.D.	STORM DRAINAGE
S.F.	SQUARE FEET
STA.	STATION
SE	SUPER ELEVATION
RO	RUN OUT
V	DESIGN SPEED
CONDO	CONDOMINIUM

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
5994-00-00-2		
FEDERAL PROJECT NUMBER	4.1	10

PLAT OF RIGHT-OF-WAY REQUIRED FOR
MONONA DRIVE, CITY OF MONONA
WINNEQUAH ROAD - COTTAGE GROVE ROAD
CTH BB DANE COUNTY

CONSTRUCTION PROJECT NUMBER
5994-00-71

ACCEPTED FOR
DANE COUNTY
(Signature) Commissioner Director (Title)
1-26-11 (Date)

ACCEPTED FOR
CITY OF MONONA
(Signature) CITY ENGINEER (Title)
1-25-2011 (Date)

ACCEPTED FOR
CITY OF MADISON
(Signature) Principal Engineer (Title)
1-26-11 (Date)

R/W PLAT PREPARED BY:
Foth
Foth Infrastructure & Environment, LLC

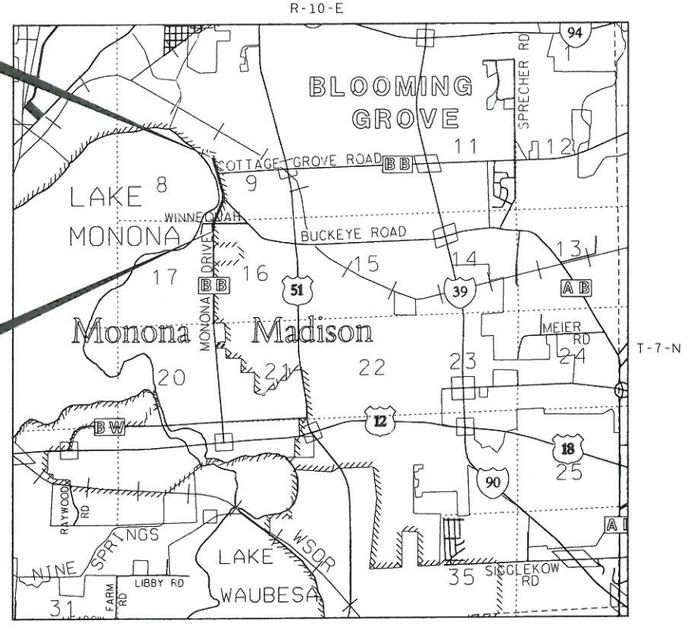
WISCONSIN
TODD J. BUHR
S-2614
DE FOREST, WI
LAND SURVEYOR

1-19-11 (Date) Todd J. Buhr (Todd J. Buhr RLS S-2614)

END RELOCATION ORDER
STA 147+50.40
298.64' EAST AND 506.25' NORTH OF THE WEST 1/4 CORNER OF SECTION 9, T7N, R10E, CITY OF MONONA AND CITY OF MADISON, DANE COUNTY, WISCONSIN

BEGIN RELOCATION ORDER
STA 111+19.87
4.05' WEST AND 2288.94' NORTH OF THE WEST 1/4 CORNER OF SECTION 16, T7N, R10E, CITY OF MONONA AND CITY OF MADISON, DANE COUNTY, WISCONSIN

R-10-E



GN

T-7-N

LAYOUT
SCALE 0 1800 FT.

TOTAL NET LENGTH OF CENTERLINE = 0.69 MI.

NOTES

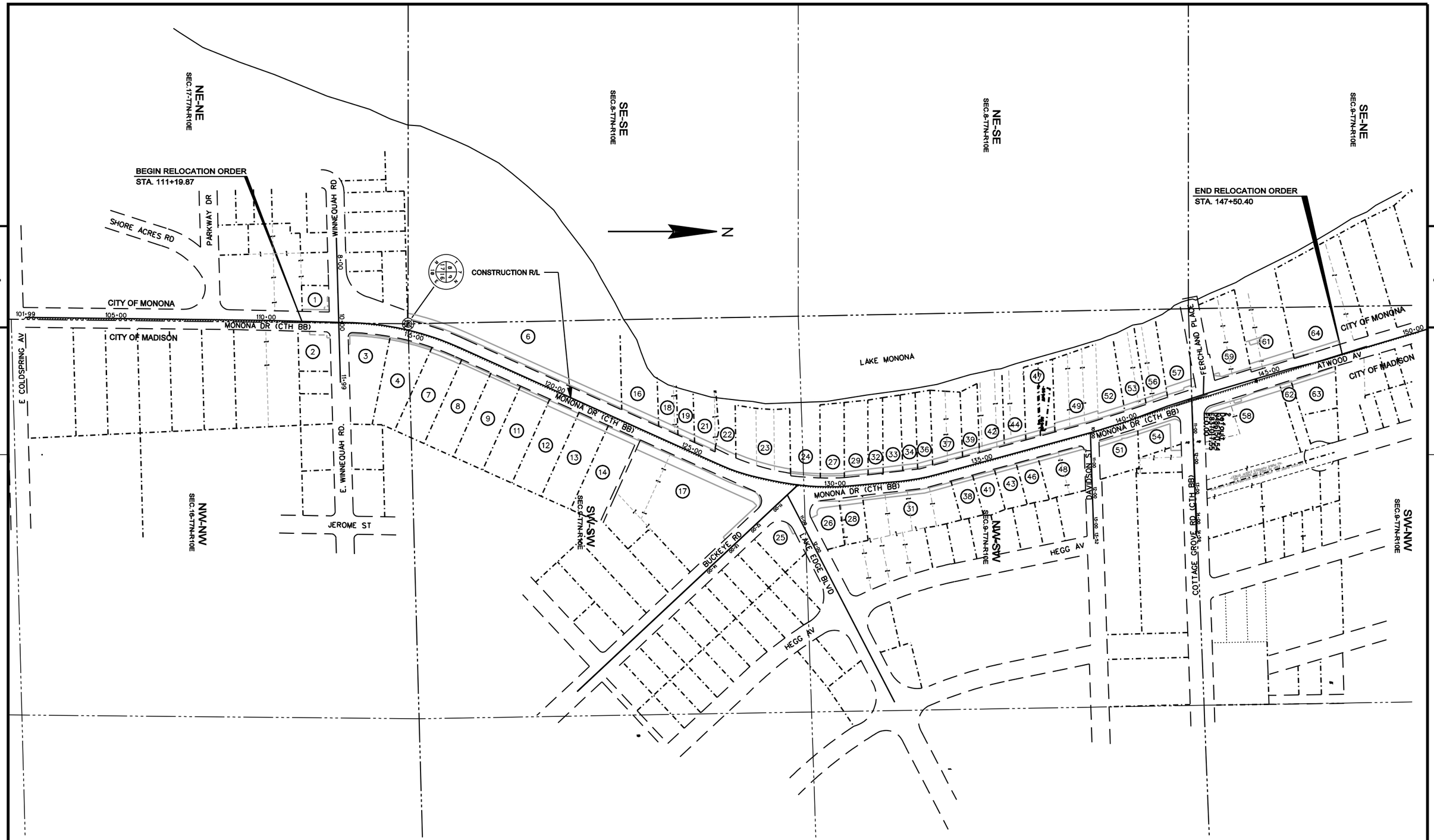
COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE, NAD 83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS WILL BE PLACED PRIOR TO THE COMPLETION OF THIS PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF PUBLIC RECORD.

REVISION DATE
12-06-11 N.C.
12-22-11 N.C.

WISDOT/CADDS SHEET 50



REVISION DATE 12-06-11 N.C. 12-22-11 N.C.	DATE 01-19-11	NOT TO SCALE	HWY: MONONA DR. (C.T.H. BB)	STATE R/W PROJECT NUMBER 5994-00-00-2	PLAT SHEET 4.2
			COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-71	PS&E SHEET E

FILE NAME : X:\MD\IE\O8\O8MO85\CAD\PLANS\ROW-4.2-LAYOUT.DGN PLOT DATE : JANUARY 21, 2011 PLOT BY : TODD J. BUHR PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 70

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL AREA COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

NOTE: PARCEL NUMBERS SHOWN AS (*1*) ARE PARCELS BEING ACQUIRED IN THE NAME OF THE CITY OF MONONA, ALL ELSE ARE IN THE NAME OF THE CITY OF MADISON.

PARCEL NUMBER	OWNERSHIP	SHEET	INTEREST REQUIRED	TOTAL AREA	R/W (ACRES)			TOTAL AREA REMAINING	TLE AREA (acre)
					NEW	EXISTING	TOTAL		
1	CHLOE, LLC	4.5	FEE,TLE	0.18	0.01	0.00	0.01	0.17	0.01
2	JOSHUA HELD	4.5	TLE	0.33	0.00	0.00	0.00	0.33	0.01
3	HUGH B. & DOROTHY COX	4.5	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.02
4	BRETT M. & KATHLEEN M. SACKETT	4.5	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.02
6	NORBERTINE NOVITIATE	4.5,4.6	FEE,TLE	9.88	0.07	0.00	0.07	9.81	0.32
7	JACOB A. WICKE	4.5	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.03
8	THOMAS O. & JUDITH M. GRIFFIN	4.5,4.6	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.02
9	BRYAN & ERICA SHEFCHIK	4.6	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.02
11	TERRACE AVENUE PROPERTIES	4.6	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.02
12	KATHLEEN A. DREW	4.6	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.05
13	MARYANN M. TYUS	4.6	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.05
14	EAST MADISON/MONONA COALITION OF AGING INC.	4.6,4.7	FEE,TLE	0.75	0.01	0.00	0.01	0.74	0.05
16	CITY OF MONONA	4.6,4.7	FEE,TLE	0.59	0.01	0.00	0.01	0.58	0.06
17	ANDING PROPERTIES, LLC	4.7	FEE,TLE	2.86	0.05	0.00	0.05	2.81	0.34
18	JAMES H. STELLHORN & STEPHANIE A. MILLER	4.7	FEE,TLE	0.27	0.01	0.00	0.01	0.27	0.03
19	HARLAN, LLC	4.7	FEE,TLE	0.22	0.01	0.00	0.01	0.21	0.02
21	MARRI ANNE LICHTFELD	4.7	FEE,TLE	0.34	0.01	0.00	0.01	0.33	0.03
22	GOTTSCHALK LIVING TRUST	4.7	TLE	0.28	0.00	0.00	0.00	0.28	0.02
23	WATERFRONT PLACE CONDOMINIMUM	4.7	TLE	0.93	0.00	0.00	0.00	0.93	0.06
24	JOHN S. WRIGHT	4.7,4.8	FEE,TLE	0.58	0.02	0.00	0.02	0.56	0.01
25	CHANDELLE SCHULTE &WENDY G. STANLEY	4.7,4.8	TLE	0.37	0.00	0.00	0.00	0.37	0.01
26	JAMES A. RETTERER	4.8	FEE,TLE	0.29	0.01	0.00	0.01	0.28	0.06
27	JOHN S. WRIGHT	4.7,4.8	FEE,TLE	0.48	0.01	0.00	0.01	0.47	0.01
28	DENNIS M. LYNCH & MARTY L. RICHARDS	4.7,4.8	FEE,TLE	0.28	0.02	0.00	0.02	0.26	0.03
29	PATRICIA A. BYRNE	4.8	FEE,TLE	0.46	0.01	0.00	0.01	0.45	0.03
31	LAKE EDGE LUTHERAN CHURCH	4.8	FEE,TLE	1.99	0.04	0.00	0.04	1.95	0.07
32	KENNETH VANDEN WYMELENBERG	4.8	FEE,TLE	0.30	0.004	0.00	0.004	0.30	0.02
33	ROBERT T. & TINA ING YAHNG	4.8	FEE,TLE	0.40	0.004	0.00	0.004	0.40	0.02
34	JOSEPHINE M. GREGORY & DALE R. GREGORY & GAIL M. GREGORY & JILL E. ARNDT	4.8	FEE,TLE	0.31	0.004	0.00	0.004	0.31	0.02

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL AREA COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

NOTE: PARCEL NUMBERS SHOWN AS (*1*) ARE PARCELS BEING ACQUIRED IN THE NAME OF THE CITY OF MONONA, ALL ELSE ARE IN THE NAME OF THE CITY OF MADISON.

PARCEL NUMBER	OWNERSHIP	SHEET	INTEREST REQUIRED	TOTAL AREA	R/W (ACRES) NEW	R/W (ACRES) EXISTING	R/W (ACRES) TOTAL	TOTAL AREA REMAINING	TLE AREA(ac)	PLE AREA(ac)
36	REX M. & DEBRA JEAN OLSON	4.8	FEE,TLE	0.31	0.01	0.00	0.01	0.30	0.02	
37	WATERFORD BAY CONDOMINIUM	4.8	FEE,TLE	0.61	0.01	0.00	0.01	0.60	0.04	
38	LIN G. JACOBSON	4.8	FEE,TLE	0.23	0.01	0.00	0.01	0.22	0.02	
39	MICHAEL C. & SHARON A. DEVENISH	4.8,4.9	FEE,TLE	0.35	0.00	0.00	0.00	0.35	0.02	
41	SHERYL L. LOPER	4.8,4.9	FEE,TLE	0.24	0.01	0.00	0.01	0.23	0.02	
42	ORHAN AND CIGDEM UNAL	4.9	FEE,TLE	0.50	0.01	0.00	0.01	0.49	0.03	
43	LAURIE J. GRINNELL	4.9	FEE,TLE	0.24	0.00	0.00	0.00	0.23	0.02	
44	RICHARD GARTNER & MARY PAUL LONG	4.9	FEE,TLE	0.44	0.01	0.00	0.01	0.43	0.03	
45	FIDDLERS MOUND LLC	4.9	FEE,TLE	0.30	0.005	0.00	0.005	0.295	0.02	
46	JOHN H. & CHERYL J. PAYNE	4.9	FEE,TLE	0.24	0.01	0.00	0.01	0.23	0.02	
47	BLAIR MOLDENHAUER	4.9	FEE,TLE	0.30	0.005	0.00	0.005	0.295	0.02	
48	4002 DENTAL BUILDING, LLC	4.9	FEE,TLE	0.50	0.01	0.00	0.01	0.49	0.02	
49	WATERS EDGE CONDOMINIMUM	4.9	FEE,TLE	1.30	0.02	0.00	0.02	1.28	0.12	
51	RALPH STINSON	4.9	FEE,TLE	0.40	0.02	0.00	0.02	0.38	0.04	
53	APEX MONONA LLC	4.9	FEE,TLE	0.45	0.01	0.00	0.01	0.44	0.03	
54	JAMES MALCHESKI	4.9,4.10	FEE,TLE	0.56	0.03	0.00	0.03	0.53	0.11	
56	LAKESIDE TERRACE CONDOMINIUMS	4.9	FEE,TLE	0.45	0.01	0.00	0.01	0.44	0.02	
57	WINCHESTER BAY CONDOMINIMUMS	4.10	FEE,TLE	0.64	0.02	0.00	0.02	0.62	0.06	
58	COTTAGE GROVE INV., LLC &	4.10	FEE,TLE,PLE	1.83	0.03	0.00	0.03	1.80	0.16	0.01
59	WATER CREST CONDOMINIMUMS	4.10	FEE,TLE	0.86	0.008	0.00	0.008	0.852	0.02	
61	ON THE LAKE CONDOMINIMUM	4.10	FEE,TLE	0.97	0.03	0.00	0.03	0.94	0.04	
62	CHARLES S. COENS & HAROLD R. SABROFF	4.10	FEE,TLE	0.21	0.004	0.00	0.004	0.206	0.01	
63	ZINGBORN VENTURES, LLC	4.10	FEE,TLE	0.41	0.01	0.00	0.01	0.40	0.05	
64	MONONA APARTMENT INVESTORS, LLC	4.10	FEE,TLE	1.93	0.01	0.00	0.01	1.92	0.04	
UTILITIES										
101	MADISON GAS AND ELECTRIC	4.5,8,9,10	RELEASE OF RIGHTS							
102	SBC	4.5,7,10	RELEASE OF RIGHTS							
103	CITY OF MADISON	4.5	RELEASE OF RIGHTS							
105	AMERITECH	4.6,7	RELEASE OF RIGHTS							
106	TOWN OF BLOOMING GROVE	4.7	RELEASE OF RIGHTS							
107	CITY OF MADISON WATER UTILITY	4.8	RELEASE OF RIGHTS							
108	CITY OF MONONA WATER UTILITY	4.5	RELEASE OF RIGHTS							
109	AT&T	4.10	RELEASE OF RIGHTS							

PARCEL 1 - LINE TABLE		
LINE	BEARING	DISTANCE
L1	S88°24'36"W	7.01'
L2	N01°19'36"E	90.12'
L3	N88°24'36"E	7.01'
L4	S01°19'36"W	90.12'

HWY	BASIS OF EXISTING R/W	WIDTH
MONONA DRIVE (C.T.H. BB)	PLATTED	VARIES
WINNEQUAH ROAD	PLATTED	60'

FEE COORDINATE TABLE		
Point ID	Y	X
199	483147.62	836677.80
200	483147.42	836670.80
201	483237.52	836672.88
100	483305.22	836752.15
101	483655.94	836832.16
106	483498.42	836701.89
107	483685.85	836764.47

REVISION DATE 12-06-11 12-22-11	DATE 01-19-11	SCALE, FEET 0 20 40	HWY: MONONA DR. (C.T.H. BB)	STATE R/W PROJECT NUMBER 5994-00-00-2	PLAT SHEET 4.5
	GRID FACTOR		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-71	PS&E SHEET 188 E

FILE NAME : X:\MD\IE\08\08MO85\CAD\PLANS\ROW-4.5.DGN PLOT DATE : JANUARY 21, 2011 PLOT BY : TODD J. BUHR PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 75

HWY	BASIS OF EXISTING R/W	WIDTH
MONONA DRIVE (C.T.H. BB)	PLATTED	VARIES

BRASS CAP
Y=485500.02
X=836719.22

S01°06'47"E
389.90'

POS. BY TIES
X=836668.15
Y=486097.62

N01°40'01"E
2208.19'

NOBERTINE NOVITIATE PRAEMONSTRATENSIAN FATHERS

CITY OF MONONA
LOT 9
LAKE EDGE PARK
BLOCK 20

CITY OF MADISON

SLOPE INTERCEPT TLE FOR SLOPES

N24° 14'36"E 917.61'
S24° 14'36"W 919.45'

N24° 14'39"E 943.63'

N24° 14'36"E 1097.01'
S24° 14'39"W 892.53'

MONONA DRIVE (C.T.H. BB)

STA. 119+00
Y=483893.48
X=836898.55

MATCH LINE 117+00

MATCH LINE 123+00

117+55.62 55.00 LT
118+55.62 55.00 LT
119+55.62 55.00 LT
120+55.62 55.01 LT
121+55.62 55.01 LT

118+00
119+00
120+00
121+00
122+00

117+86.65 46.00 RT
118+93.65 46.00 RT
120+00.65 46.00 RT
120+00.65 56.00 RT
121+07.65 56.00 RT
122+14.65 56.00 RT

101 MGE 10' ELECTRIC EASEMENT DOC#2487825

102 SBC

4162
THOMAS O. & JUDITH M. GRIFFIN
LOT 14
QUAKER HEIGHTS
BLOCK 1
8

4158
BRYAN & ERICA SHEFCHIK
LOT 15
QUAKER HEIGHTS
BLOCK 1
9

11
4154
LOT 16
QUAKER HEIGHTS
BLOCK 1
TERRACE AVENUE PROPERTIES

4150
KATHLEEN A. DREW
LOT 17
QUAKER HEIGHTS
BLOCK 1
12

4146
MARYANN M. TYUS
LOT 18
QUAKER HEIGHTS
BLOCK 1
13

4142
LOT 19
QUAKER HEIGHTS
BLOCK 1
14

EAST MADISON/MONONA COALITION OF AGING INC.

105 AMERITECH 20' TELE. EASEMENT DOC#3371181

SW-SW

GN

REVISION DATE 12-06-11 N.C. 12-22-11 N.C.	DATE 01-19-11	SCALE, FEET 0 20 40	HWY: MONONA DR. (C.T.H. BB)	STATE R/W PROJECT NUMBER 5994-00-00-2	PLAT SHEET 4.6	
	GRID FACTOR		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-71	PS&E SHEET 189	E

FILE NAME : X:\MD\E\08\O8MO85\CAD\PLANS\ROW-4.5.DGN PLOT DATE : JANUARY 21, 2011 PLOT BY : TODD J. BUHR PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 75

HWY	BASIS OF EXISTING R/W	WIDTH
MONONA DRIVE (C.T.H. BB)	PLATTED	VARIES
BUCKEYE ROAD	PLATTED	66'
LAKE EDGE BOULEVARD	PLATTED	70'
PUBLIC SERVICE STRIP	PLATTED	10'

FEE COORDINATE TABLE		
Point ID	Y	X
102	484469.75	837198.65
103	484545.78	837235.82
104	484645.63	837274.97
105	484666.46	837333.33
108	484522.54	837141.25
109	484773.72	837217.10

FEE COORDINATE TABLE				
Point ID	Y	X	STATION	OFFSET
160	484686.48	837198.60	127+55.19	36.29LT
161	484689.12	837188.95	127+55.77	46.27LT
162	484713.02	837195.07	127+80.43	45.24LT
163	484710.70	837204.80	127+80.17	35.24LT

REVISION DATE 12-06-11 12-22-11 N.C.	DATE 01-19-11	SCALE, FEET 0 20 40	HWY: MONONA DR. (C.T.H. BB)	STATE R/W PROJECT NUMBER 5994-00-00-2	PLAT SHEET 4. 7
	GRID FACTOR		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-71	PS&E SHEET 190 E

FILE NAME : X:\MD\IE\08\08MO85\CAD\PLANS\ROW-4.7.DGN PLOT DATE : JANUARY 21, 2011 PLOT BY : TODD J. BUHR PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 75

FEE COORDINATE TABLE		
Point ID	Y	X
111	484866.20	837225.72
112	484959.08	837225.11
113	485101.14	837211.13
114	485137.86	837206.85
115	485177.60	837200.96
116	485214.39	837194.21
117	485250.75	837185.39
126	484865.24	837309.98
127	484901.66	837310.11
128	484952.38	837309.03
129	485179.77	837275.45
131	485270.22	837256.78

HWY	BASIS OF EXISTING R/W	WIDTH
MONONA DRIVE (C.T.H. BB)	PLATTED	VARIES
LAKE EDGE BLVD	PLATTED	70'

LINE TABLE FOR THE LINE BETWEEN RW POINT 115 AND RW POINT 116
BEARING: N10° 24'09"W
DISTANCE: 37.41

CITY OF MONONA

BRASS CAP 501 Y=483600.02 X=836719.22

POS. BY TIES 502 X=836668.75 Y=486097.62

1806.62' S01°06'47"E

791.47'

S89°53'13"W 321.80'

LOT 1 ASSESSORS PLAT NO. 11 VILLAGE OF MONONA JOHN S. WRIGHT 27 HOME 4035

LOT 2 ASSESSORS PLAT NO. 11 VILLAGE OF MONONA PATRICIA A. BYRNE 29 HOME 4031

32 LOT 3 ASSESSORS PLAT NO. 11 VILLAGE OF MONONA KENNETH VANDEN WYMELENBERG

LOT 4 ASSESSORS PLAT NO. 11 VILLAGE OF MONONA ROBERT T. & TINA ING YAHNG 33 4027 HOME

LOT 5 ASSESSORS PLAT NO. 11 VILLAGE OF MONONA JOSEPHINE M. GREGORY DALE R. GREGORY GAIL M. GREGORY JILL E. ARNDT 34 4025 HOME

LOT 6 ASSESSORS PLAT NO. 11 VILLAGE OF MONONA REX M. & DEBRA JEAN OLSON 36 HOME 4023

PT. OF LOT 1 C.S.M. 5139

WATERFORD BAY CONDOMINIUM CONDO 4021-A CONDO 4021-B

MICHAEL C. & SHARON A. DEVENISH 39 HOME 4017

PT. OF LOT 1 C.S.M. 5139

37

101 MGE 6' & 8' ELECTRIC EASEMENT DOC #2041517

101 MGE 6' ELECTRIC EASEMENT DOC #2207822

HOME 4029

24 P/L

EXISTING R/W CURVE DATA - C8: Δ=14°09'32" R=1108.03' L=273.82' CB=S01°58'55"W C=273.20'

129+43.07 35.52 LT 111

N00° 22'29"W 92.88'

130+35.39 48.01 LT

130+34.96 43.00 LT

130+40.77 34.89 LT 112

N05° 37'10"W 142.74'

S06° 40'04"E 252.77'

N06° 39'32"W 36.97'

N08° 25'12"W 40.17'

131+83.51 36.03 L 113

132+20.47 37.00 LT 114

132+63.07 37.18 LT 115

132+90.74 50.32 LT

133+02.59 37.09 LT 116

N13° 38'10"W 37.41'

S15° 17'16"E 95.06'

133+42.01 37.00 LT 117

TLE FOR SLOPES SLOPE INTERCEPT

OPEN SPACE EASEMENT DOC #2146221

S15° 14'33"E 486.77'

MATCH LINE 129+25

MONONA DRIVE (C.T.H. BB)

EX. R/W CURVE DATA C10: Δ=14°22'52" R=1108.03' L=278.00' CB=N01°29'52"W C=277.24'

130+00 PT 130+27.95

54.26'

130+82.21 0.00 LT

131+00 N05°09'38"W 193.60'

132+21.55 X=837243.60 Y=485142.26

132+00 PC 132+40.53

N08°23'54"W 18.98'

MONONA P/L CURVE DATA: PI STA = 133+00.13 DELTA = 08°10'38" R = 700.00' LCB = N11°09'51"W LC = 99.82' L = 99.90' PI Y=485220.0418 PI X=837232.1149

133+00 PT 133+40.43

134+00 N15°15'10"W 536.95'

STA: 134+00 Y=485316.44 X=837205.83

MATCH LINE 135+00

C10

129+52.41 46.87 RT

S00° 12'08"W 36.43'

N07° 04'18"W 135.43'

130+28.47 48.13 RT 128

N08°50'22"E 35.76'

130+81.78 35.77 RT

S01° 12'58"E 150.73'

N06° 40'04"W 211.62'

S08° 24'06"E 229.86'

N15° 17'16"W 100.01'

S15° 15'10"E 194.26'

N15° 14'33"W 434.20'

132+90.29 34.88 RT

133+87.84 32.93 RT

129+45.76 48.70 RT 126

129+56.64 67.29 RT

HOME 4044

129+58.30 86.36 RT

130+13.65 62.97 RT

130+88.67 48.47 RT

130+88.74 56.43 RT

SLOPE INTERCEPT TLE FOR SLOPES

C9

132+54.14 36.80 RT 129

132+90.24 50.92 RT

NEW R/W CURVE DATA - C9: DELTA = 07°11'04" R = 737.00' LCB = S11°39'38"E LC = 92.35' L = 92.41'

133+42.00 37.00 RT 131

133+82.56 46.94 RT

133+82.55 48.94 RT

4020 HOME

134+56.25 46.95 RT

HOME 4016

129+46.14 90.88 RT

129+27.00 106.32 RT

129+80.32 48.00 RT 127

26 JAMES A. RETTERER

PT. OF LOT 23 LAKE EDGE PARK BLOCK 1

HOME 4040

28 DENNIS M. LYNCH & MARTY L. RICHARDS

LOT 22 LAKE EDGE PARK BLOCK 1

PT. OF LOT 23 LAKE EDGE PARK BLOCK 1

LOT 21 LAKE EDGE PARK BLOCK 1

LOT 20 LAKE EDGE PARK BLOCK 1

CHURCH 4032 LAKE EDGE LUTHERAN CHURCH

LOT 19 LAKE EDGE PARK BLOCK 1

LOT 18 LAKE EDGE PARK BLOCK 1

41 SHERYL L. LOPER

38 LIN G. JACOBSON

LOT 17 LAKE EDGE PARK BLOCK 1

LOT 16 LAKE EDGE PARK BLOCK 1

107 CITY OF MADISON 10'X10' FIRE HYDRANT EASEMENT DOC #1612891

LAKE EDGE BLVD

CITY OF MADISON

31

GN

4

4

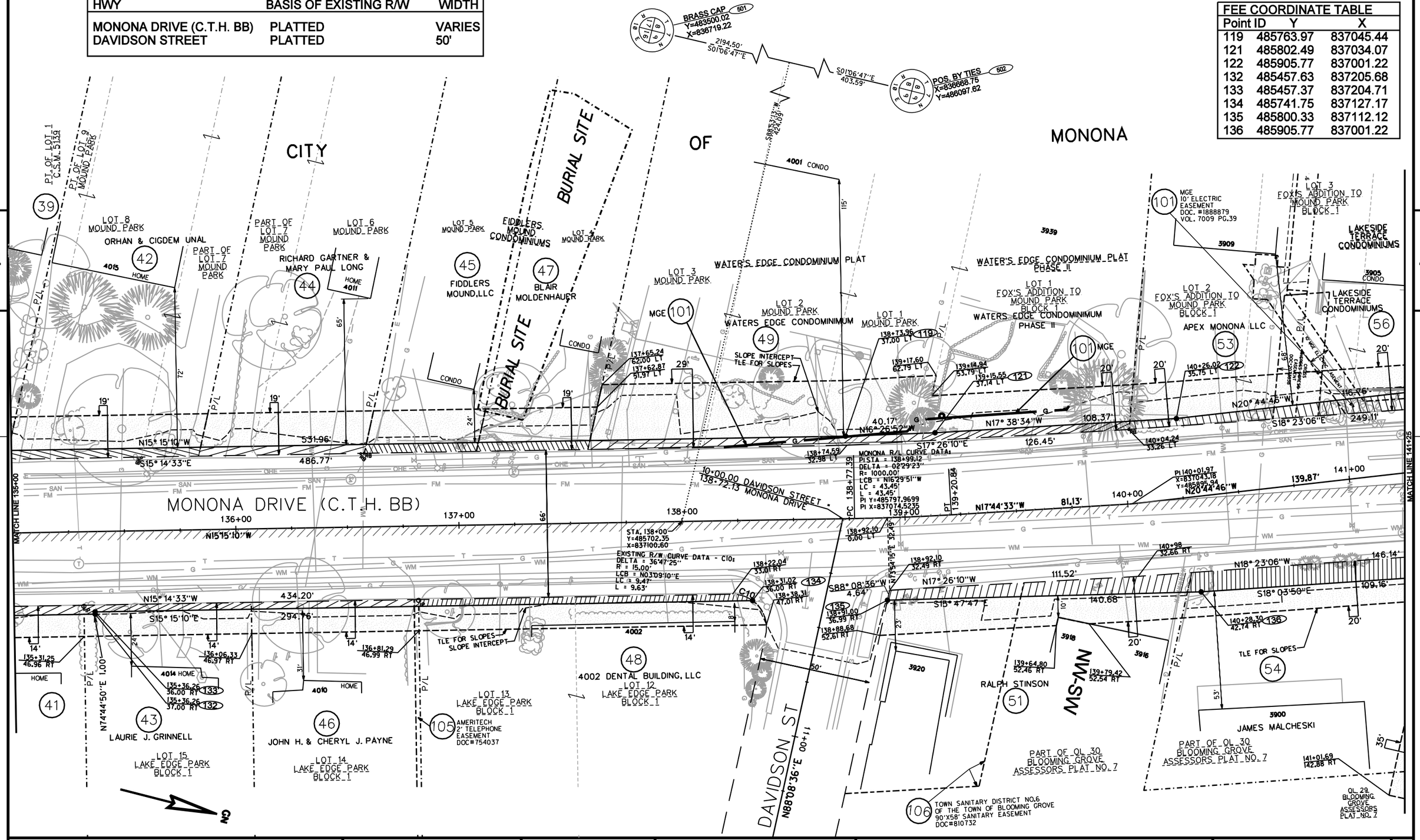
REVISION DATE 12-06-11 12-22-11 N.C.	DATE 01-19-11	SCALE, FEET 0 20 40	HWY: MONONA DR. (C.T.H. BB)	STATE R/W PROJECT NUMBER 5994-00-00-2	PLAT SHEET 4.8
	GRID FACTOR		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-71	PS&E SHEET 191 E

FILE NAME : X:\MD\IE\O8\O8MO85\CAD\PLANS\ROW-4.8.DGN PLOT DATE : JANUARY 21, 2011 PLOT BY : TODD J. BUHR PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 75

HWY	BASIS OF EXISTING R/W	WIDTH
MONONA DRIVE (C.T.H. BB)	PLATTED	VARIES
DAVIDSON STREET	PLATTED	50'

FEE COORDINATE TABLE		
Point ID	Y	X
119	485763.97	837045.44
121	485802.49	837034.07
122	485905.77	837001.22
132	485457.63	837205.68
133	485457.37	837204.71
134	485741.75	837127.17
135	485800.33	837112.12
136	485905.77	837001.22



REVISION DATE 12-06-11 N.C. 12-22-11 N.C.	DATE 01-19-11	SCALE, FEET 0 20 40	HWY: MONONA DR. (C.T.H. BB)	STATE R/W PROJECT NUMBER 5994-00-00-2	PLAT SHEET 4. 9
	GRID FACTOR		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-71	PS&E SHEET 192 E

FILE NAME : X:\MD\IE\O8\O8MO85\CAD\PLANS\ROW-4.9.DGN PLOT DATE : JANUARY 21, 2011 PLOT BY : TODD J. BUHR PLOT SCALE : 1:40 PLOT SCALE :

WISDOT/CADDS SHEET 75

HWY	BASIS OF EXISTING R/W	WIDTH
ATWOOD AVENUE	PLATTED	66'
MONONA DRIVE (C.T.H. BB)	PLATTED	VARIES
COTTAGE GROVE ROAD	PLATTED	80'
FERCHLAND PLACE	PLATTED	VARIES

PARCEL 57 & 59 - LINE TABLE		
LINE	BEARING	DISTANCE
L1	S72°30'19"W	6.00'
L2	N17°29'41"W	25.00'
L3	N72°30'19"E	6.00'
L4	N17°29'41"W	14.79'
L5	S79°09'50"W	16.47'
L6	N05°57'22"E	41.18'
L7	S17°27'29"E	39.69'
L8	N04°17'02"E	5.50'
L9	S85°42'58"E	20.00'
L10	S04°17'02"W	5.50'
L11	S85°42'58"E	19.47'

FEE COORDINATE TABLE				
Point ID	Y	X	STATION	OFFSET
124	486083.50	836938.26	142+12.77	35.43LT
152	486081.69	836932.54	142+12.80	41.43LT
153	486105.54	836925.02	142+37.80	41.32LT
154	486107.34	836930.75	142+37.77	35.32LT
157	486181.99	836891.52	143+19.74	50.46LT
158	486222.95	836895.79	143+57.80	34.71LT

FEE COORDINATE TABLE		
Point ID	Y	X
123	486014.96	836959.87
156	486121.45	836926.30
137	486045.18	837038.11
138	486071.62	837048.21
139	486152.15	837062.24
140	486153.60	837042.82
141	486159.09	837043.23
142	486160.58	837023.29
143	486155.10	837022.88
144	486178.12	836995.58
146	486267.79	836968.73
147	486317.63	836948.36
148	486447.85	836910.24
149	486577.18	836865.19
151	486576.85	836864.16
159	486305.46	836869.84
161	486427.17	836834.90
162	486539.93	836806.59

REVISION DATE 12-06-11, 12-22-11	DATE 01-19-11	SCALE, FEET 0 20 40	HWY: MONONA DR. (C.T.H. BB)	STATE R/W PROJECT NUMBER 5994-00-00-2	PLAT SHEET 4.10
	GRID FACTOR		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-71	PS&E SHEET 193 E

FILE NAME : X:\MD\IE\O8\O8MO85\CAD\PLANS\ROW-4.10.DGN PLOT DATE : DECEMBER 6, 2011 PLOT BY : TODD J. BUHR PLOT SCALE : 1:40

WISDOT/CADDS SHEET 75

4201
CHLOE, LLC

4201
THOMAS M. KLINZING

4129
ROBERT L. WORM

NOBERTINE NOVITIATE
PRAEMONSTRATENSIAN
FATHERS

STA 114+68
CONSTRUCT P.E.

CITY OF MONONA
MADISON METRO SEWERAGE DISTRICT
CHARTER COMMUNICATIONS
MG&E
CITY OF MONONA
CAUTION
P.L.
P.L.
P.L.
SLOPE INTERCEPTS (TYP.)
P.C. STA 112+79.50
P.T. STA 113+70.34
33'
33'
P.I. STA 110+00.63
110+00
111+00
112+00
113+00
114+00
STA 111+53.71
SAWCUT REQ'D
CAUTION
MONONA DR
MATCH LINE STA. 115+00
AT&T
MG&E
CITY OF MADISON
CITY OF MADISON
WINNEQUAH ROAD
PROPOSED TLE LIMITS (TYP.)
PROPOSED R/W (TYP.)
EXISTING R/W (TYP.)
4174
HUGH B. & DOROTHY COX
4170
BRETT M. & KATHLEEN M. SACKETT

BEGIN CONSTRUCTION
STA 111+53.71

PVI 110+00.00
EL 876.94

-0.56%

PVC 111+10.65
EL 876.32

L 350.00'
K 135.45

PVI 112+85.65
EL 875.34

PVT 114+60.65
EL 869.84

EXISTING GROUND
PROPOSED PROFILE

880	878	876	874	872	870	868	866

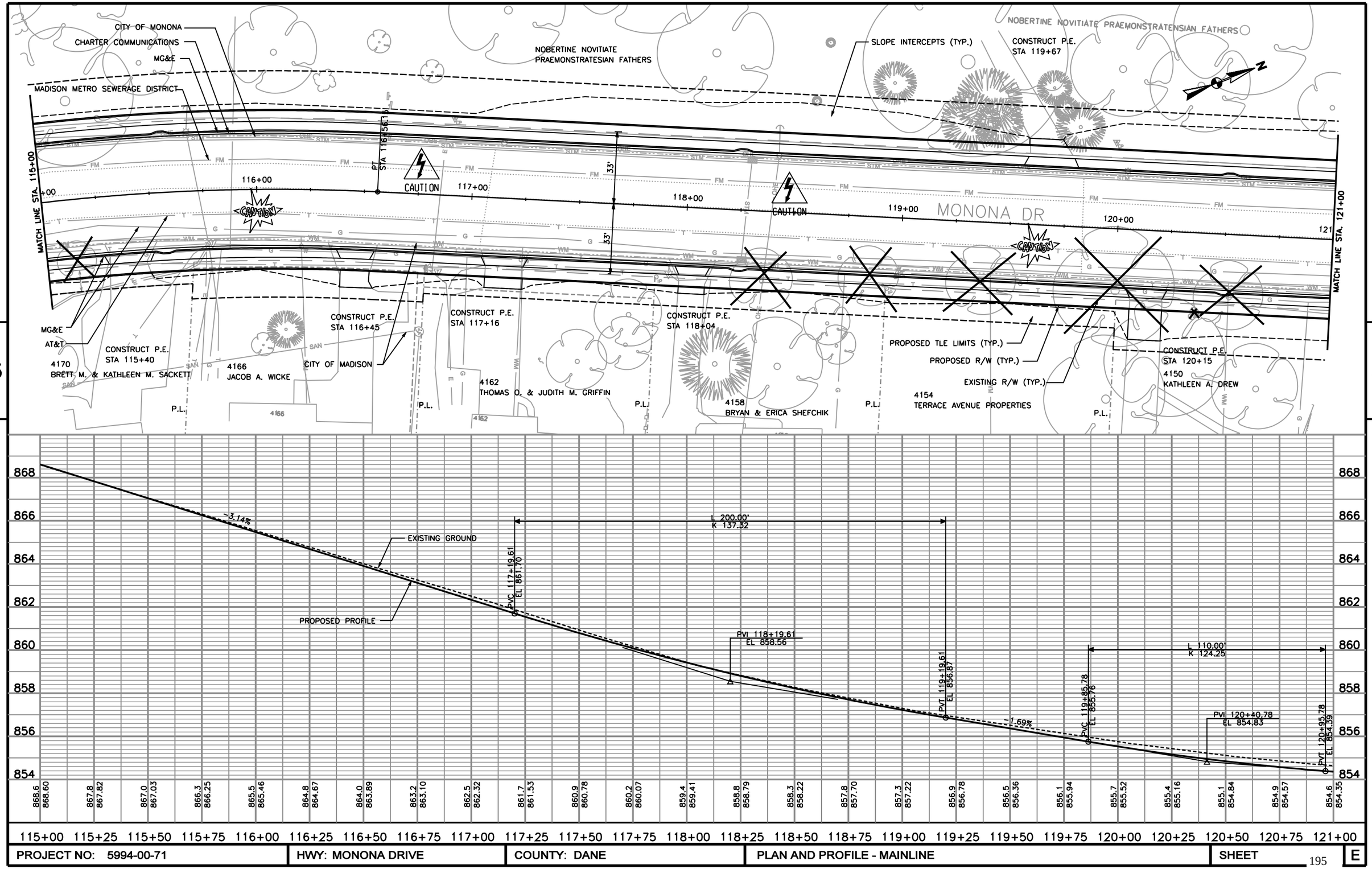
877.5	877.4	877.2	877.1	877.0 / 876.94	876.8 / 876.80	876.7 / 876.66	876.5 / 876.52	876.3 / 876.38	876.2 / 876.23	876.0 / 876.04	875.8 / 875.81	875.4 / 875.52	875.1 / 875.20	874.7 / 874.82	874.3 / 874.40	873.8 / 873.94	873.3 / 873.42	872.8 / 872.87	872.2 / 872.26	871.5 / 871.61	870.8 / 870.91	870.1 / 870.17	869.4 / 869.39	868.6 / 868.60

109+00	109+25	109+50	109+75	110+00	110+25	110+50	110+75	111+00	111+25	111+50	111+75	112+00	112+25	112+50	112+75	113+00	113+25	113+50	113+75	114+00	114+25	114+50	114+75	115+00

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP01.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:07:30 PM PLOT BY : cas1

WISDOT/CADDS SHEET 30



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET 195 E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP02.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:08:01 PM PLOT BY : cas1

WISDOT/CADDS SHEET 30

CITY OF MONONA
MADISON METRO SEWERAGE DISTRICT
CHARTER COMMUNICATIONS
MG&E
NOBERTINE NOVITIATE PRAEMONSTRATENSIAN FATHERS
P.L.
4115 CITY OF MONONA
4113 JAMES H. STELLHORN & STEPHANIE A. MILLER
P.L.
CITY OF MONONA
P.L.
4109 MARI ANNE LITCHFELD
P.L.
4107 GOTTSCHALK LIVING TRUST
4101 WATERFRONT PLACE CONDOMINIUM
P.L.
4111 HARLAN, LLC.
CONSTRUCT P.E. STA 124+57
SLOPE INTERCEPTS (TYP.)
CONSTRUCT P.E. STA 122+68
CONSTRUCT P.E. STA 125+88
CONSTRUCT P.E. STA 125+44
CONSTRUCT P.E. STA 126+73
RETAINING WALL #1 SEE DETAIL
RETAINING WALL #2 SEE DETAIL
MATCH LINE STA. 121+00
+00
CAUTION
CAUTION
122+00
MONONA DR
CAUTION
123+00
STA 123+90 RT REMOVE 124+00 COMMERCIAL SIGN & CONCRETE BASE
125+00
PC STA 126+02.49
126+00
CAUTION
MATCH LINE STA. 126+75
CONSTRUCT P.E. STA 121+99
CONSTRUCT P.E. STA 122+37
AT&T
MG&E
CITY OF MADISON
4146 MARY ANN M. TYUS
P.L.
4142 EAST MADISON/MONONA COALITION OF AGING INC.
PROPOSED TLE LIMITS (TYP.)
STA 124+30 RT REMOVE LIGHT POLE & CONCRETE BASE
CONSTRUCT P.E. STA 125+00
CITY OF MADISON
EXISTING R/W (TYP.)
PROPOSED R/W (TYP.)
ANDING PROPERTIES, LLC.
STA 125+50 RT REMOVE LIGHT POLE & CONCRETE BASE
STA 126+65 RT REMOVE COMMERCIAL SIGN & CONCRETE BASE
P.L.
36" CSCP

L 200.00'
K 135.80
PVI 120+35.78
EL 854.39
PVI 121+58.81
EL 853.88
PVC 122+33.30
EL 853.51
LO 123+01.98
EL 853.33
PVI 123+33.30
EL 853.00
PVT 124+33.30
EL 853.97
-0.80%
-0.51%
0.97%
EXISTING GROUND
PROPOSED PROFILE
EXIST 4" FORCE MAIN

860 858 856 854 852 850 848 846

854.9 854.57 | 854.6 854.35 | 854.5 854.15 | 854.3 853.95 | 854.1 853.80 | 854.0 853.67 | 853.8 853.55 | 853.7 853.43 | 853.6 853.36 | 853.6 853.33 | 853.6 853.35 | 853.7 853.42 | 853.8 853.53 | 854.0 853.69 | 854.1 853.89 | 854.3 854.13 | 854.6 854.37 | 854.8 854.61 | 855.0 854.85 | 855.2 855.10 | 855.5 855.34 | 855.7 855.58 | 855.9 855.82 | 856.1 856.06 | 856.3 856.30

120+75 121+00 121+25 121+50 121+75 122+00 122+25 122+50 122+75 123+00 123+25 123+50 123+75 124+00 124+25 124+50 124+75 125+00 125+25 125+50 125+75 126+00 126+25 126+50 126+75

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP03.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:10:14 PM PLOT BY : cas1

WISDOT/CADDS SHEET 30

MADISON METRO SEWERAGE DISTRICT
GRADE TO AVOID WALL
WATERFRONT PLACE CONDOMINIMUM
P.L.
4037 OLAF LARSON ESTATE
4035 OLAF & IONE LARSON
4031 PATRICIA A. BYRNE
4029 KENNETH VANDEN WYMELENBERG
4027 ROBERT T. & TINA ING YAHNG
CITY OF MONONA
CHARTER COMMUNICATIONS
MG&E
CONSTRUCT P.E. 128+13
CONSTRUCT P.E. STA 128+79
CONSTRUCT P.E. STA 129+24
CONSTRUCT P.E. STA 129+71
SLOPE INTERCEPTS (TYP.)
CONSTRUCT P.E. STA 131+05
CONSTRUCT P.E. STA 131+31
CONSTRUCT P.E. STA 132+17
RETAINING WALL #3 SEE DETAIL
MATCH LINE STA 126+75
PT STA 127+83.46
PC STA 127+96.65
PT STA 130+27.95
POST STA 132+06.56
MATCH LINE STA. 132+50
MONONA DR
CAUTION
AT&T
CITY OF MADISON
BUCKEYE ROAD
STA 129+12.95
4044 JAMES A. RETTERER
4040 DENNIS M. LYNCH & MARTY L. RICHARDS
CONSTRUCT P.E. STA 129+98
CONSTRUCT P.E. STA 130+29
PROPOSED TLE LIMITS (TYP.)
PROPOSED R/W (TYP.)
EXISTING R/W (TYP.)
4032 LAKE EDGE LUTHERAN CHURCH
CHURCH
33'

PVI 127+28.97 EL 856.83
PVC 128+79.37 EL 857.62
PVI 129+69.37 EL 858.09
PVT 130+59.37 EL 859.78
PVC 131+86.37 EL 862.16
L 180.00'
K 133.21
0.52%
1.88%
EXISTING GROUND
PROPOSED PROFILE

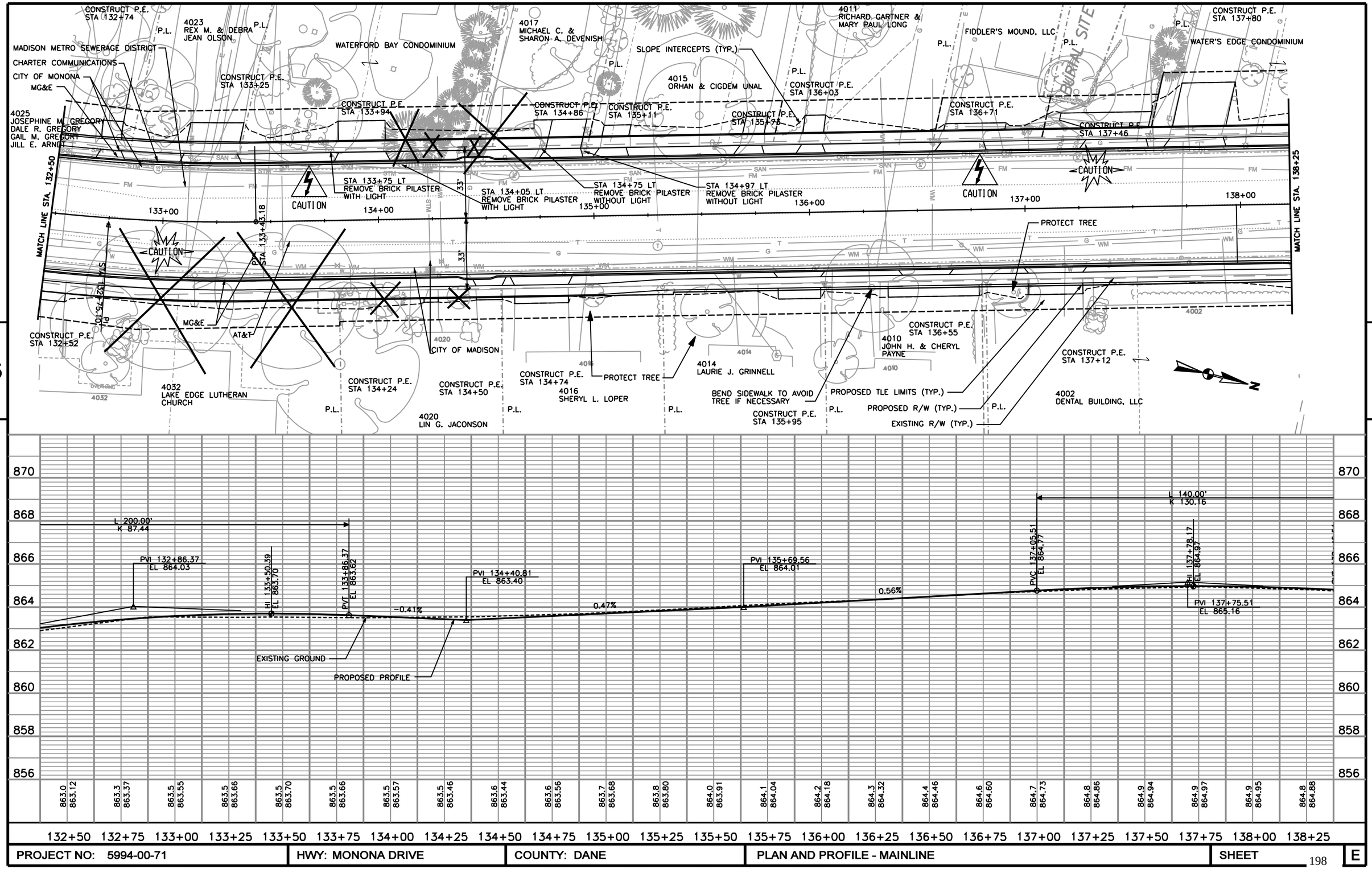
856.3	856.6	856.8	856.9	857.0	857.2	857.2	857.3	857.4	857.6	857.8	858.1	858.7	859.1	859.4	859.7	860.1	860.5	861.0	861.5	862.0	862.4	862.7	863.0
856.30	856.55	856.79	856.94	857.07	857.20	857.33	857.46	857.59	857.74	857.93	858.17	858.46	858.79	859.18	859.60	860.07	860.54	861.01	861.48	861.94	862.40	862.80	863.12

126+75 127+00 127+25 127+50 127+75 128+00 128+25 128+50 128+75 129+00 129+25 129+50 129+75 130+00 130+25 130+50 130+75 131+00 131+25 131+50 131+75 132+00 132+25 132+50

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET 197	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP04.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:16:17 AM PLOT BY : cas1

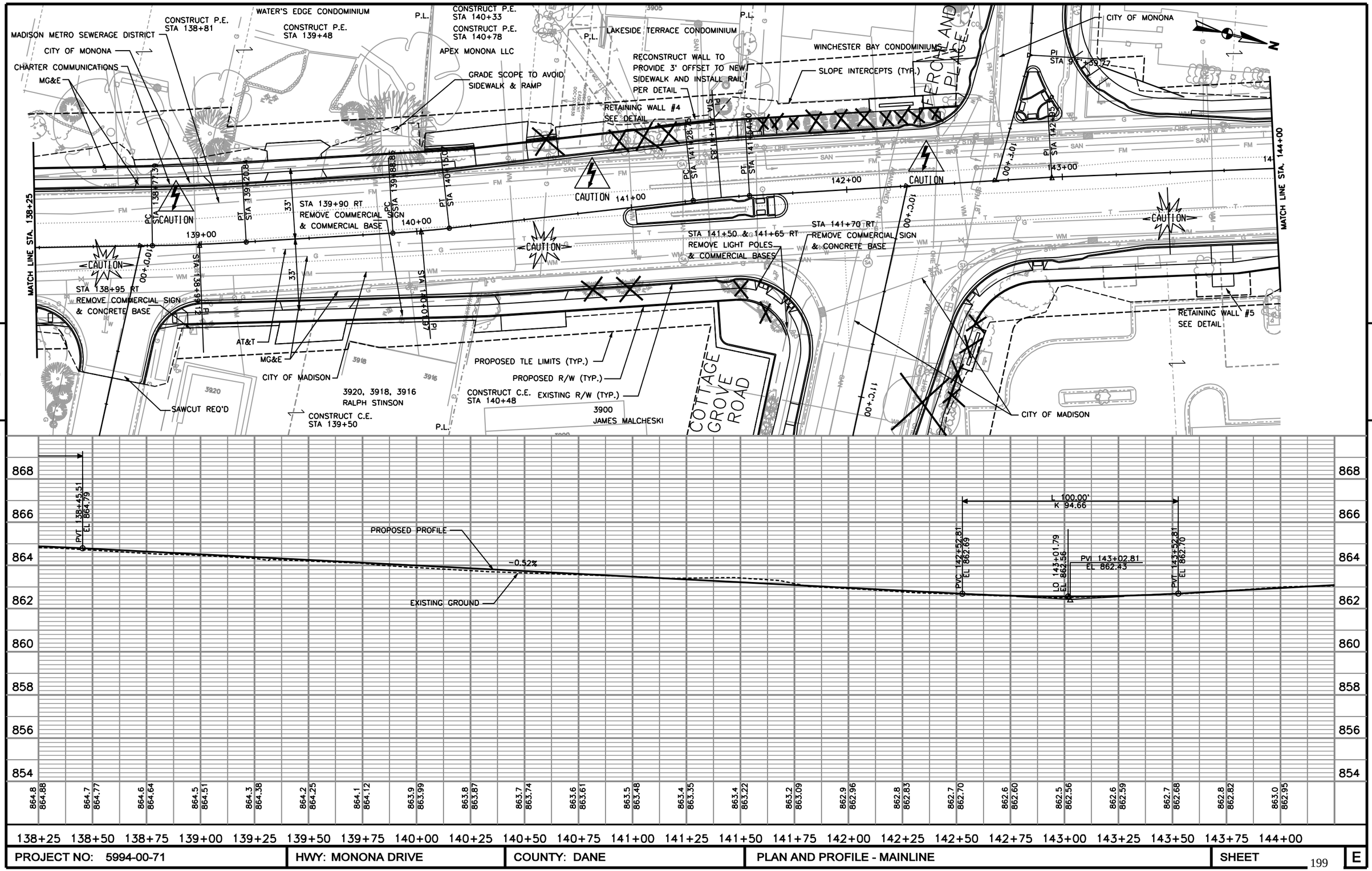
WISDOT/CADDS SHEET 30



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET 198 E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP05.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:11:08 PM PLOT BY : cas1

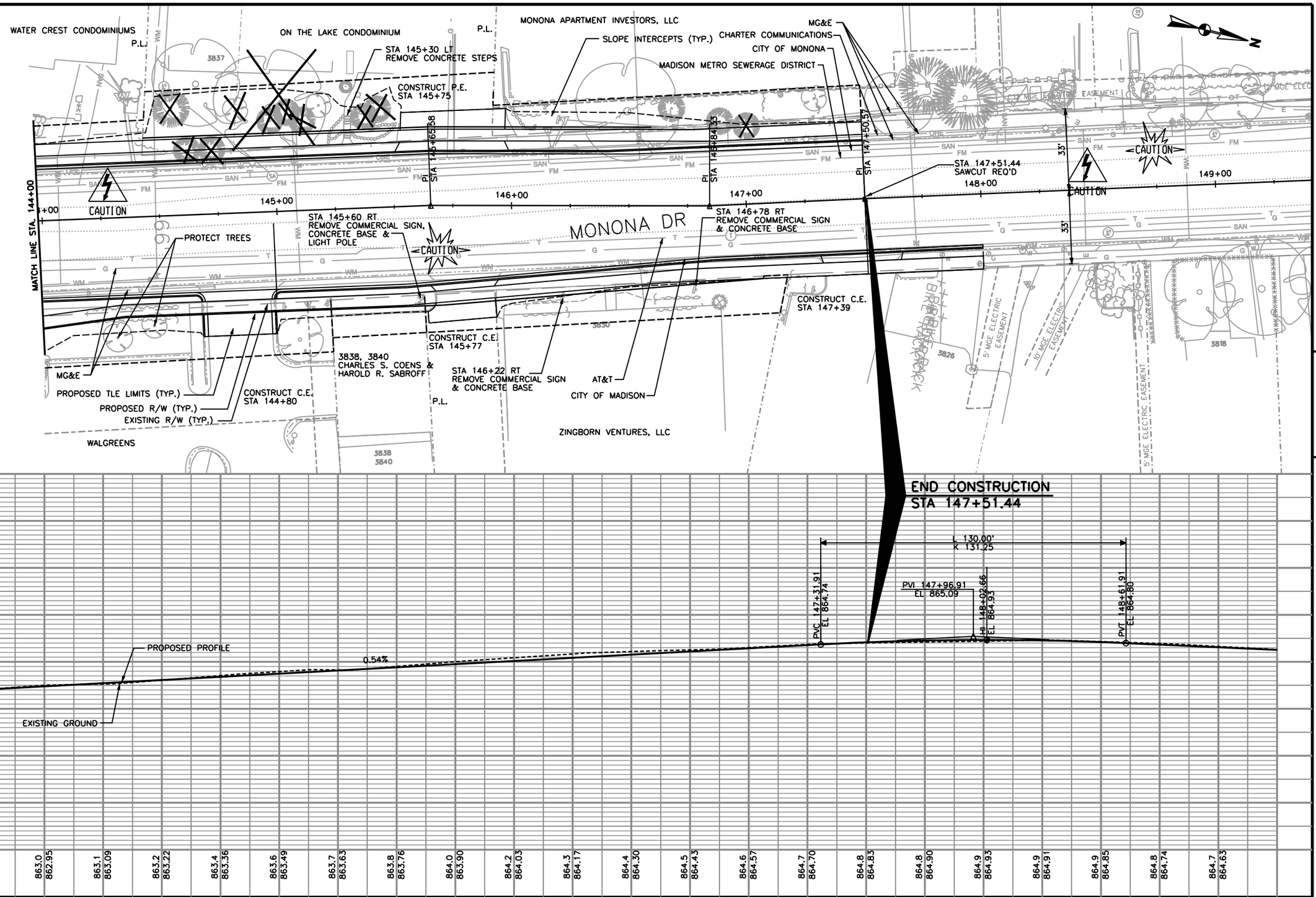
WISDOT/CADDS SHEET 30



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET 199 E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP06.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:11:39 PM PLOT BY : cas1

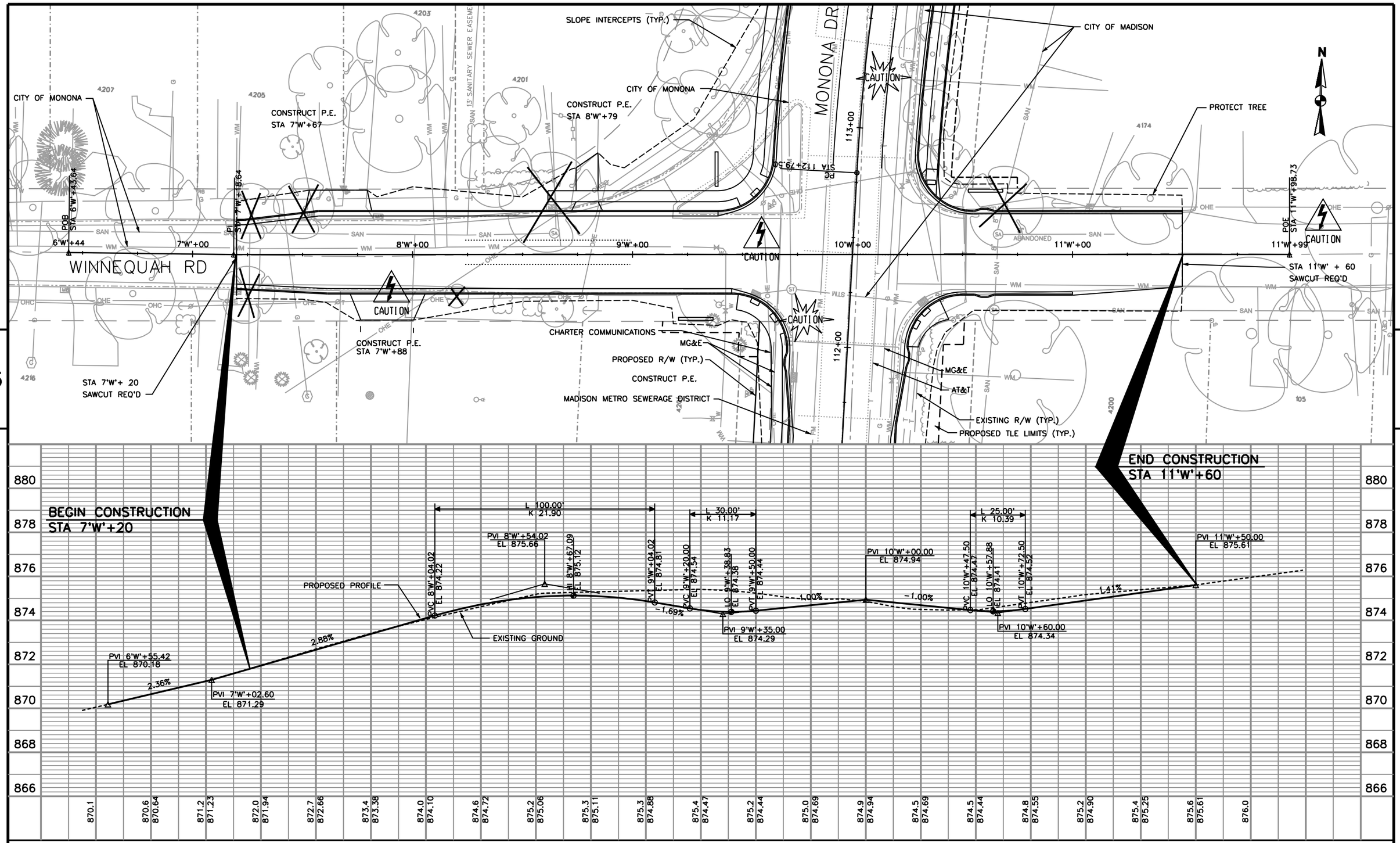
WISDOT/CADDS SHEET 30



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET 200	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP07.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:12:05 PM PLOT BY : cas1

WISDOT/CADDS SHEET 30



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - WINNEQUAH STREET	SHEET 201	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP Winnequah.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:12:38 PM PLOT BY : cas1

WISDOT/CADDS SHEET 30

MONONA DR

BUCKEYE RD

CITY OF MADISON

CONSTRUCT P.E.
STA 12'B'+45

STA 13'B'+00
SAWCUT REQ'D

CAUTION

MG&E

CHARTER COMMUNICATIONS

MADISON METRO SEWERAGE DISTRICT

CITY OF MONONA

CONSTRUCT C.E.
STA 12'B'+63

MG&E

EXISTING R/W (TYP.)

PROPOSED TLE LIMITS (TYP.)

PROPOSE R/W (TYP.)

SLOPE INTERCEPTS (TYP.)

AT&T

MG&E

5' SANITARY EASEMENT

6" MGE GASMAIN

END CONSTRUCTION
STA 13'B'+00

PVI 10'B'+00.00
EL 857.60

PVI 10'B'+52.69
EL 856.78

-1.55%

-0.80%

PVC 11'B'+21.02
EL 856.23

PLO 12'B'+07.40
EL 855.89

EXISTING GROUND

PROPOSED PROFILE

10'B'+00	10'B'+50	11'B'+00	11'B'+50	12'B'+00	12'B'+50	13'B'+00	13'B'+50	14'B'+00	14'B'+50
857.4 / 857.60	857.8 / 857.21	857.8 / 856.82	857.4 / 856.60	857.2 / 856.40	857.0 / 856.20	856.1 / 856.04	855.9 / 855.94	855.9 / 855.89	855.9 / 855.90
856.0 / 855.97	856.1 / 856.10	856.3 / 856.29	856.5 / 856.53	856.9 / 856.83	857.3 / 857.19	857.8 / 857.61	858.4 / 858.08	858.9 / 858.62	859.6 / 859.21

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - BUCKEYE ROAD	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP Buckeye.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:16:56 AM PLOT BY : cas1

WISDOT/CADDS SHEET 30

MADISON METRO SEWERAGE DISTRICT
CHARTER COMMUNICATIONS
CITY OF MONONA
MG&E
SLOPE INTERCEPTS (TYP.)
PROPOSED R/W (TYP.)
PROPOSED TLE LIMITS (TYP.)
EXISTING R/W (TYP.)
MONONA DR
LAKE EDGE BLVD
CAUTION
CONSTRUCT P.E.
STA 11'L'+111
CITY OF MADISON
PROTECT TREE
CITY OF MADISON
MG&E
STM 42" HERCSSP
3'X5' CSCP
END CONSTRUCTION
STA 12'L'+22
EXISTING GROUND
PROPOSED PROFILE
PVI 10'L'+00.00 EL 856.84
PVI 10'L'+31.09 EL 856.61
PVI 10'L'+31.58 EL 856.61
PVI 10'L'+34.93 EL 856.59
PVI 10'L'+39.97 EL 856.56
PVI 10'L'+30.05 EL 856.17
PVI 10'L'+31.08 EL 856.11
PVI 10'L'+39.94 EL 856.16
PVI 10'L'+34.95 EL 856.19
PVI 10'L'+89.45 EL 856.28
PVI 11'L'+83.17 EL 853.85
PVI 11'L'+85.76 EL 853.85
PVI 11'L'+55.76 EL 853.80
PVI 12'L'+90.18 EL 854.03
PVI 13'L'+80.68 EL 854.88
L 50.00' K 15.75
L 60.00' K 15.36
L 50.00' K 65.03
0.01%
-0.60%
2.23%
-5.83%
0.55%
-0.56%
-3.74%
0.17%
0.94%

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - LAKE EDGE BOULEVARD	SHEET 203 E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP Lake Edge.dgn PLOT DATE : 12/16/2011 PLOT TIME : 9:17:27 AM PLOT BY : cas1

WISDOT/CADDS SHEET 30

STA 8'F'+71
SAWCUT REQ'D

FERCHLAND PLACE

7'F'+86 8'F'+00

9'F'+00

10'F'+00

CAUTION

CITY OF MONONA
MADISON METRO SEWERAGE DISTRICT
MG&E
CHARTER COMMUNICATIONS
SLOPE INTERCEPTS (TYP.)

MONONA DR

10'C'+00

11'C'+00

12'C'+00

13'C'+00

CITY OF MADISON
STA 11'C'+65
SAWCUT REQ'D

COTTAGE GROVE ROAD

AT&T
MG&E

EXISTING R/W (TYP.)
PROPOSED TLE LIMITS (TYP.)
PROPOSED R/W (TYP.)

5418-1970

BEGIN CONSTRUCTION
STA 8'F'+71

END CONSTRUCTION
STA 11'C'+65

L 135.00'
K 13.99

PVI 8'F'+68.37
EL 863.16

PVC 8'F'+00.87
EL 857.41

PVI 7'F'+86.37
EL 856.18

8.51%

HI 9'F'+20.00
EL 862.49

PVT 9'F'+35.87
EL 862.40

1.13%

PVI 9'F'+72.54
EL 861.98

2.33%

PVI 10'F'+00.00
EL 862.62

L 100.00'
K 182.49

PVI 10'C'+00.00
EL 862.82

-1.80%

PVC 10'C'+52.88
EL 861.96

-1.16%

PVI 10'C'+38.43
EL 862.13

EXISTING GROUND

PROPOSED PROFILE

PVI 11'C'+02.88
EL 861.38

PVT 11'C'+52.88
EL 860.53

-1.71%

PVC 12'C'+23.23
EL 859.33

PVI 13'C'+23.23
EL 857.62

L 200
K 74

857.3 857.34
859.1 859.26
860.7 860.73
861.8 861.76
862.4 862.34
862.6 862.48
862.6 862.24
862.4 862.04
862.6 862.62

8'F'+00 8'F'+50 9'F'+00 9'F'+50 10'F'+00 10'C'+00 10'C'+50 11'C'+00 11'C'+50 12'C'+00 12'C'+50 13'C'+00

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - FERCHLAND PLACE/COTTAGE GROVE	SHEET	E

FILE NAME : X:\MD\IE\2008\08M085\cad\Plans\PANP Cottage.dgn PLOT DATE : 12/9/2011 PLOT TIME : 2:14:21 PM PLOT BY : cas1

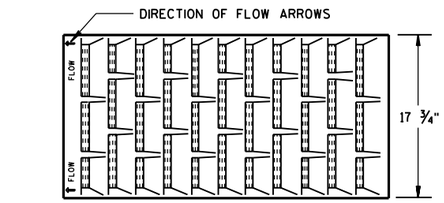
WISDOT/CADDS SHEET 30

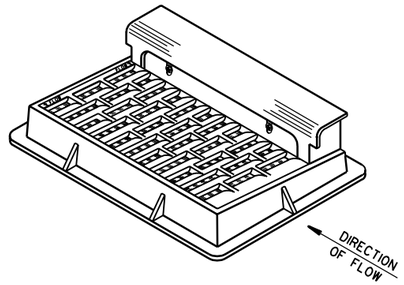
Standard Detail Drawing List

08A5-16A	INLET COVERS TYPE A, H, A-S, & H-S
08A5-16B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A5-17D	INLET COVER, TYPE Z MANHOLE COVERS, TYPE K, J, J-S, J-H, J-H-S, L & M
08B6-4	MANHOLES TYPE 1
08B7-4	MANHOLES TYPE 2 & 3
08B8-4	MANHOLES TYPE 5 & 6
08C1-5	INLETS TYPE 1, 2, 3 & 4
08C5-2	INLETS TYPE 8, 9, 10, AND 11
08D1-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D5-14A	CURB RAMPS TYPES 1 AND 1-A
08D5-14B	CURB RAMPS TYPES 2 AND 3
08D5-14C	CURB RAMPS TYPE 4A
08D5-14D	CURB RAMPS TYPE 4B
08D5-14E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E9-6	SILT FENCE
08E10-2	INLET PROTECTION TYPE A, B, C AND D
09B2-7	CONDUIT
09B4-9	PULL BOX
09C2-6	CONCRETE BASES, TYPES 1, 2 & 5
09C3-3	TRANSFORMER/PEDESTAL BASES
09C5-7	CONCRETE CONTROL CABINET BASES
09C11-2	CONCRETE BASE TYPE 10
09D1-4	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D2-2	SIGNAL OR LIGHTING CONTROL CABINET
09E1-11D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E1-11G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E3-4	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E7-5	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F8-3	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09G1-3A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G1-3B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G1-3C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G1-3D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G1-3E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G1-3F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G1-3G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B2-2	CONCRETE MEDIAN NOSE
12A3-10	NAME PLATE (STRUCTURES)
14A2-1	TREE PLANTING DETAIL
15C2-4A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C2-4B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C2-4C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C3-1	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C7-11B	PAVEMENT MARKING WORDS
15C7-11C	PAVEMENT MARKING FOR BIKE LANES
15C7-11D	PAVEMENT MARKING ARROWS
15C8-13A	PAVEMENT MARKING (MAINLINE)
15C8-13E	PAVEMENT MARKING (LEFT TURN LANE)
15C8-13F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C11-5	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C12-3	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-3	MEDIAN ISLAND MARKING
15D30-1	TRAFFIC CONTROL, SIDEWALK CLOSURE
16A1-6	LANDMARK REFERENCE MONUMENTS AND COVERS

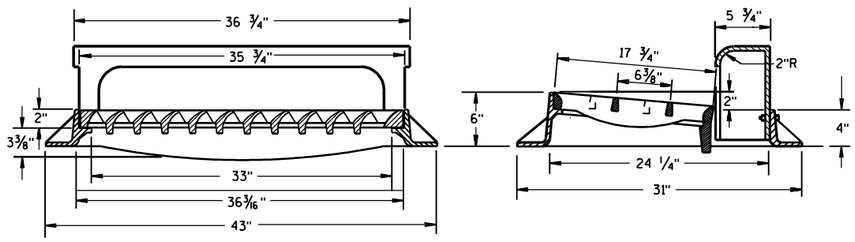
6

NOTE:
GRATE IS REVERSIBLE.





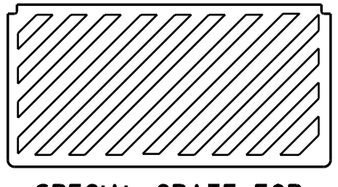
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"



TYPE "H"

(APPROXIMATE WEIGHT 422 LBS.)
FRAME..... 175 LBS.
GRATE..... 138 LBS.
CURB BOX..... 109 LBS.

1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 172 LBS.)
GRATE..... 172 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

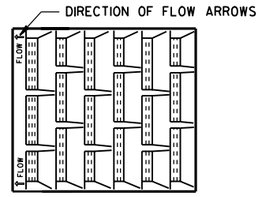
GENERAL NOTES

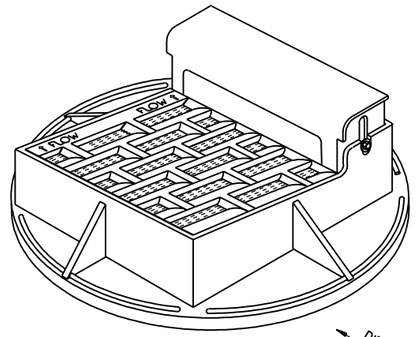
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR 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.

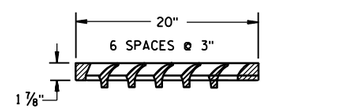
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

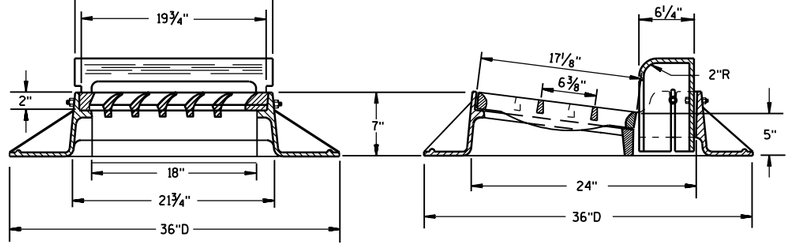




NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.

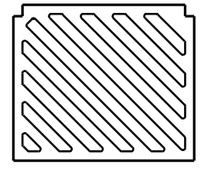




TYPE "A"

(APPROXIMATE WEIGHT 325 LBS.)
FRAME..... 157 LBS.
GRATE..... 84 LBS.
CURB BOX..... 84 LBS.

1" DIAGONAL BARS WITH 1 1/2" OPENINGS



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)

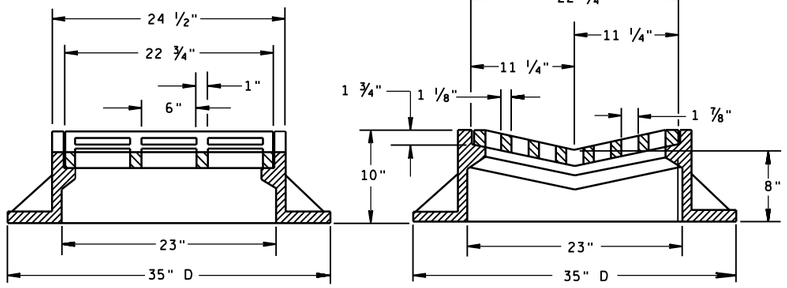
INLET COVERS
TYPE A, H, A-S, & H-S

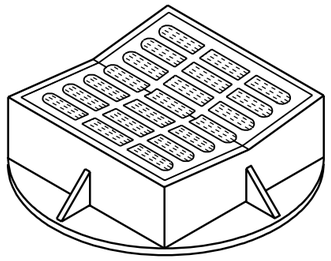
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/4/99
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-16a

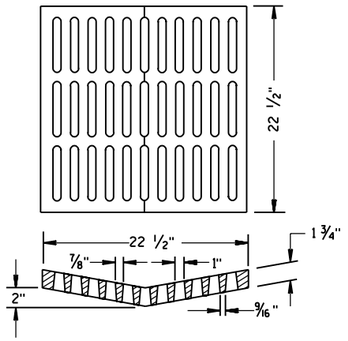




TYPE "B"

(APPROXIMATE WEIGHT 395 LBS.)

FRAME..... 285 LBS.
GRATE..... 110 LBS.

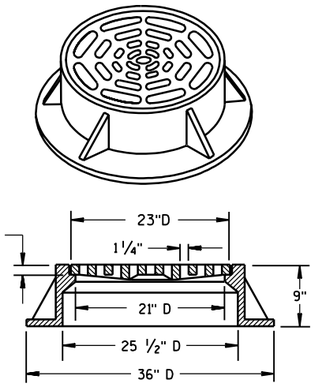


ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 125 LBS.)
GRATE.....125 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

(APPROXIMATE WEIGHT 340 LBS.)

FRAME..... 235 LBS.
GRATE..... 105 LBS.

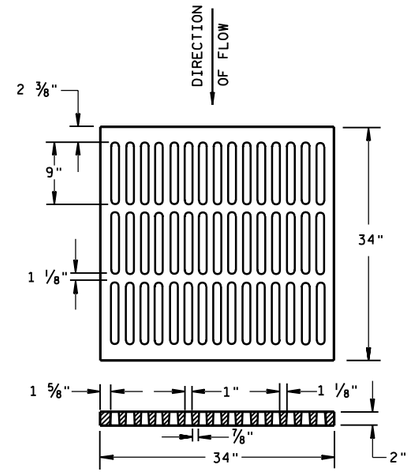
GENERAL NOTES

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.

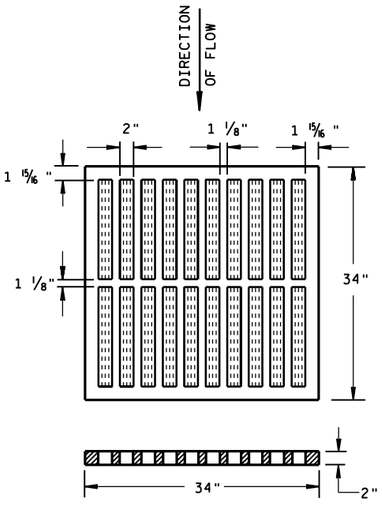


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 365 LBS.)
GRATE.....365 LBS.

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

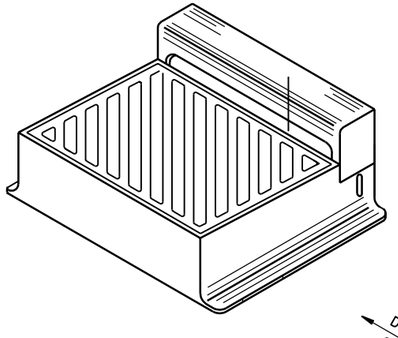


TYPE "MS"

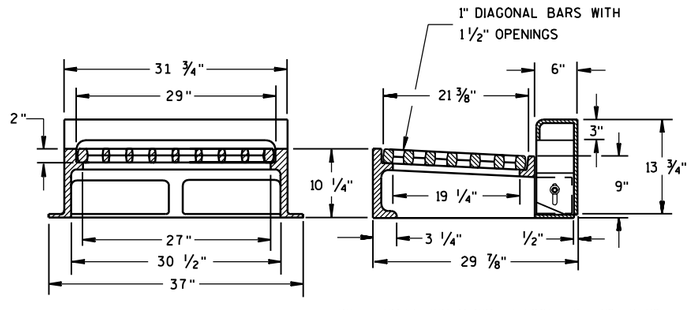
(APPROXIMATE GRATE WEIGHT 270 LBS.)
GRATE.....270 LBS.

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

(APPROXIMATE WEIGHT 670 LBS.)

FRAME..... 360 LBS.
GRATE..... 160 LBS.
CURB BOX..... 150 LBS.

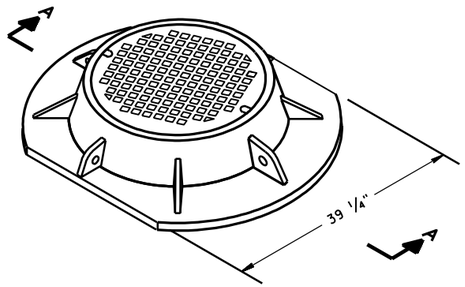
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

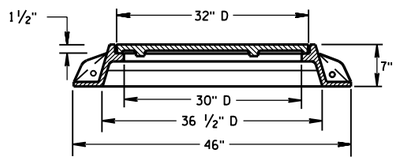
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/4/99
DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



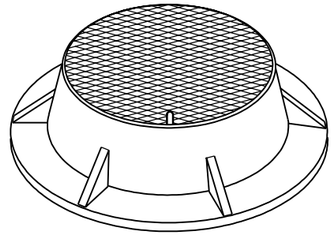


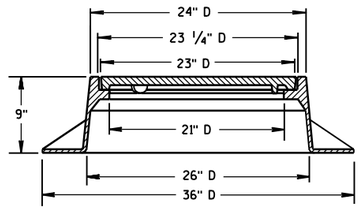
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 415 LBS.)

FRAME.....210 LBS.
LID.....205 LBS.

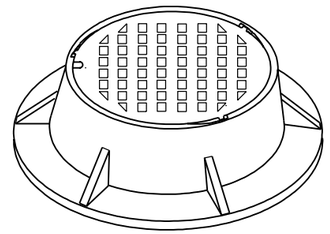


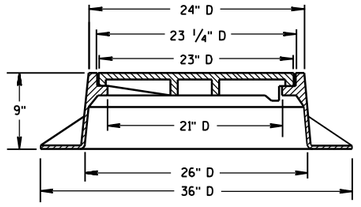


TYPE "J"

(APPROXIMATE WEIGHT 250 LBS.)

FRAME.....135 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 245 LBS.)

FRAME.....145 LBS.
LID.....100 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

GENERAL NOTES

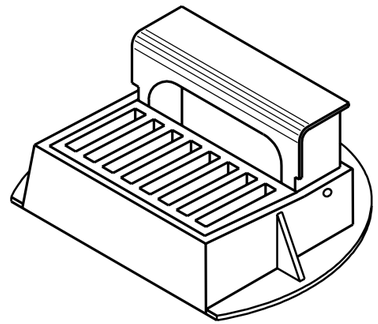
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

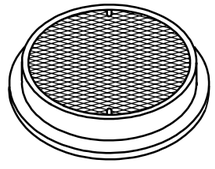
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

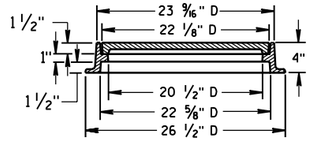
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

(1) MANUFACTURER MAY PROVIDE ADDITIONAL SEALS OR GASKETS.



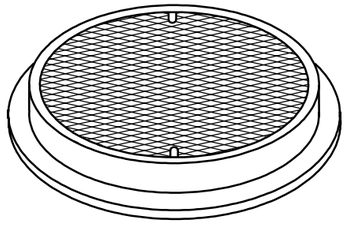


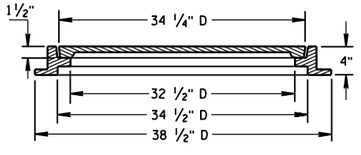


TYPE "L"

(APPROXIMATE WEIGHT 145 LBS.)

FRAME.....75"
LID.....70"

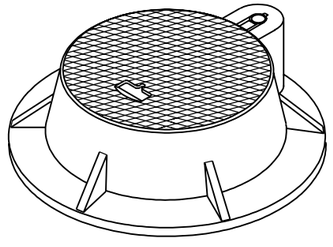


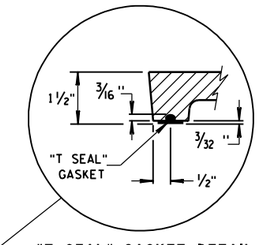


TYPE "M"

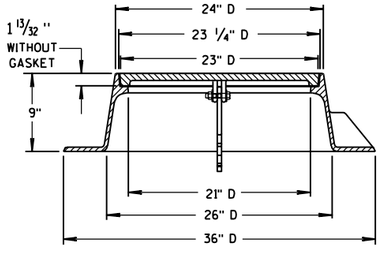
(APPROXIMATE WEIGHT 385 LBS.)

FRAME..... 125"
LID..... 260"





"T SEAL" GASKET DETAIL



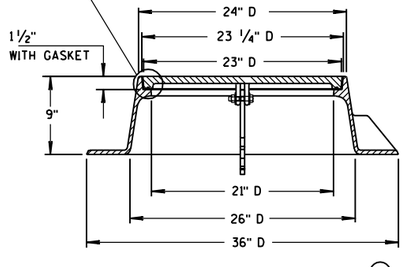
TYPE "J" HINGED

LID WITHOUT "T SEAL" GASKET

(APPROXIMATE WEIGHT 310 LBS.)

FRAME.....190 LBS.
LID.....120 LBS.

(NOTED AS TYPE J-H ON THE DRAINAGE TABLE)



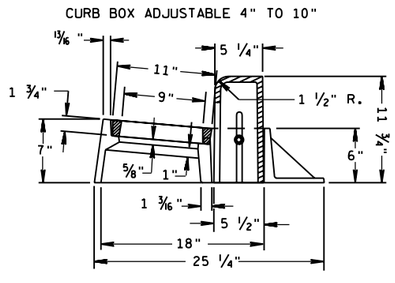
TYPE "J" HINGED-SPECIAL (1)

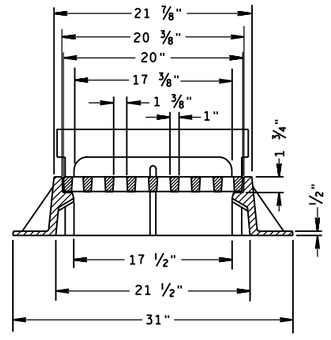
LID WITH "T SEAL" GASKET

(APPROXIMATE WEIGHT 310 LBS.)

FRAME.....190 LBS.
LID.....120 LBS.

(NOTED AS TYPE J-S-H ON THE DRAINAGE TABLE)





INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 340 LBS.)

FRAME..... 198 LBS.
GRATE..... 50 LBS.
CURB BOX..... 92 LBS.

INLET COVER, TYPE Z
MANHOLE COVERS, TYPE
K, J, J-S, J-H, J-H-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05
DATE
FHWA

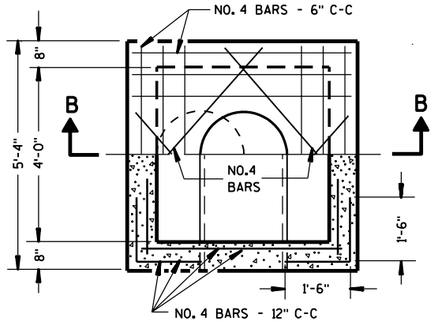
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

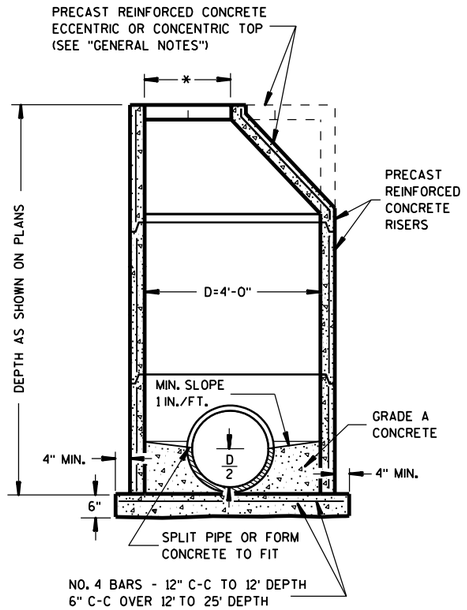
S.D.D. 8 A 5-17d

6

S.D.D. 8 A 5-17d



HALF SECTION A-A



PRECAST REINFORCED CONCRETE

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.

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 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED 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 CONE TOPS (ECCENTRIC OR CONCENTRIC) MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS CONFORMING TO AASHTO M 199 SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT.

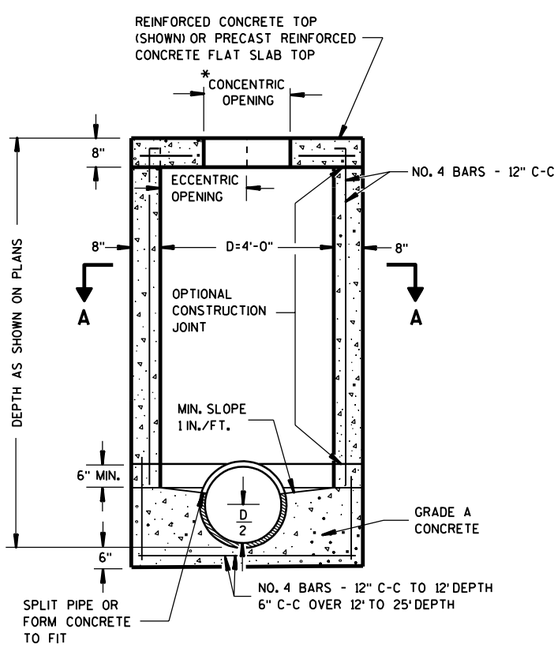
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

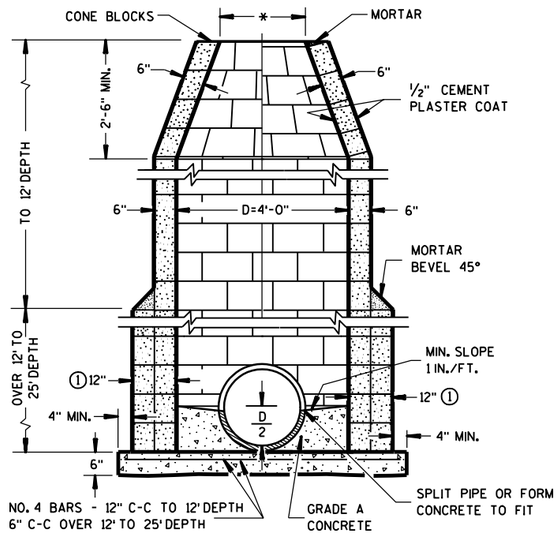
ALL PRECAST INLET UNITS AND MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

* USE 2'-0" DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 3'-0" DIAMETER WITH TYPE "K" AND "M" COVERS.

① 2 COURSES 6" BLOCK.



SECTION B-B
REINFORCED CONCRETE



CONCRETE BLOCK

MANHOLES TYPE 1

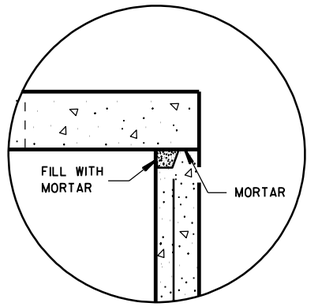
MANHOLES TYPE 1	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 9/9/05 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

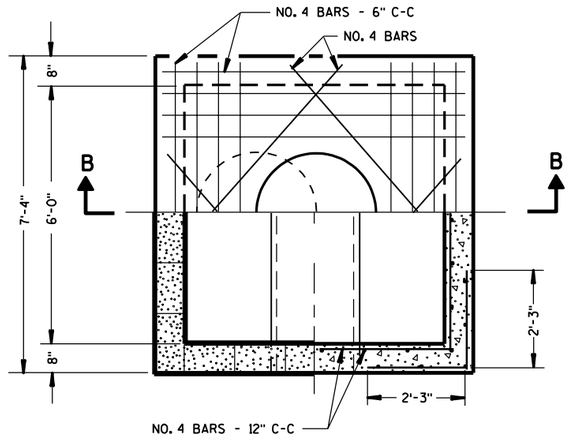
S.D.D. 8 B 6-4

6

S.D.D. 8 B 6-4



DETAIL "A"



HALF SECTION A-A

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.

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 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED 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.

STEPS CONFORMING TO AASHTO M 199 SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

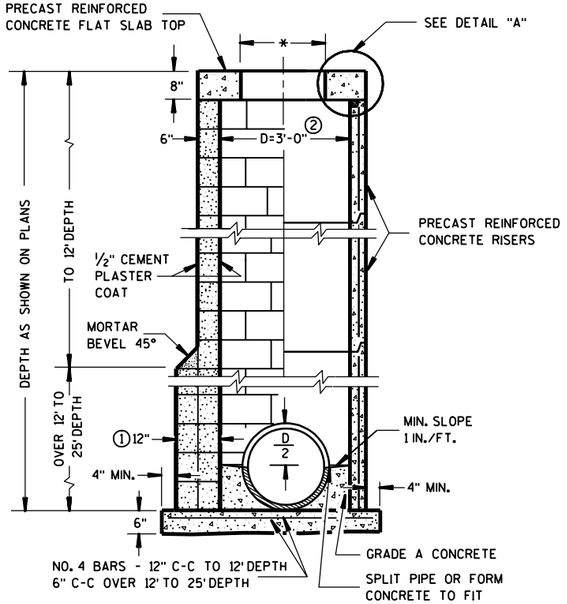
PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS AND MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

* USE 2'-0" DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 3'-0" DIAMETER WITH TYPE "K" AND "M" COVERS.

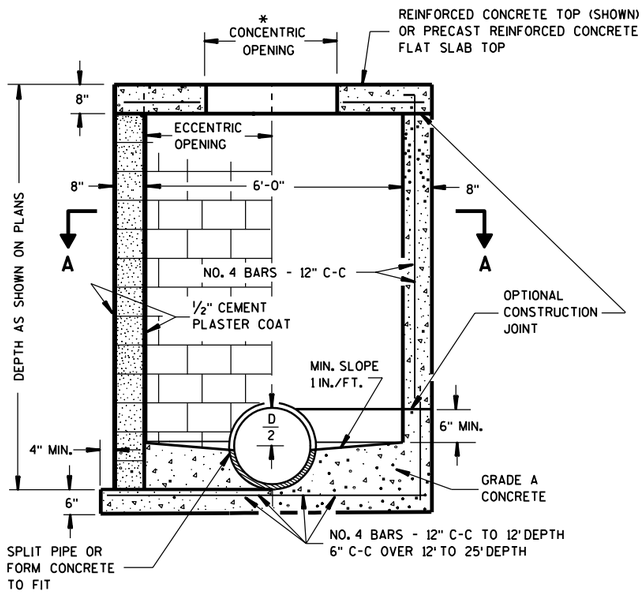
① 2 COURSES 6" BLOCK.

② WHEN CONNECTING PIPES ARE 24" OR LARGER THE PRECAST MANHOLES MAY BE INCREASED TO 42" DIAMETER.



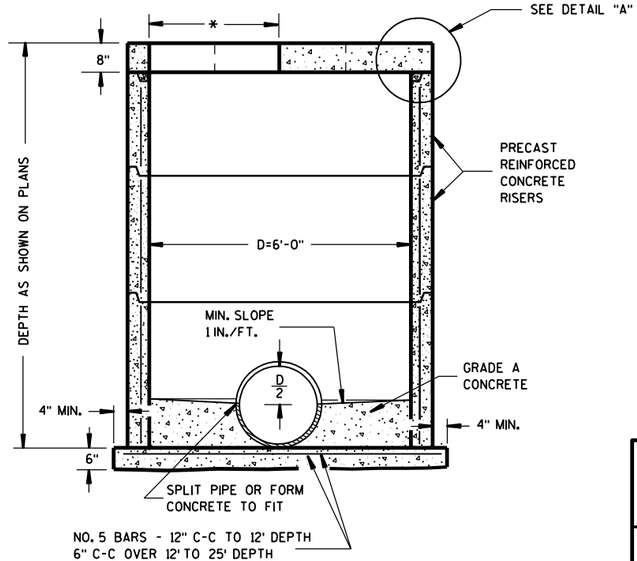
CONCRETE BLOCK ② PRECAST REINFORCED CONCRETE

MANHOLES TYPE 2



SECTION B-B

CONCRETE BLOCK REINFORCED CONCRETE



PRECAST REINFORCED CONCRETE

MANHOLES TYPE 3

MANHOLES TYPE 2 & 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/9/05 — DATE
FHWA

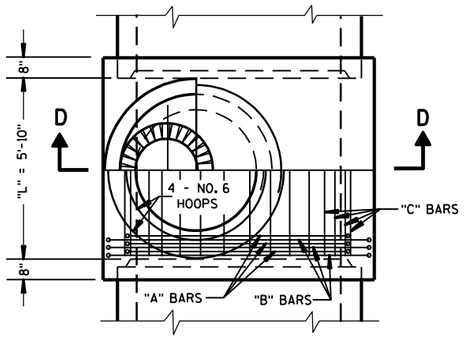
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

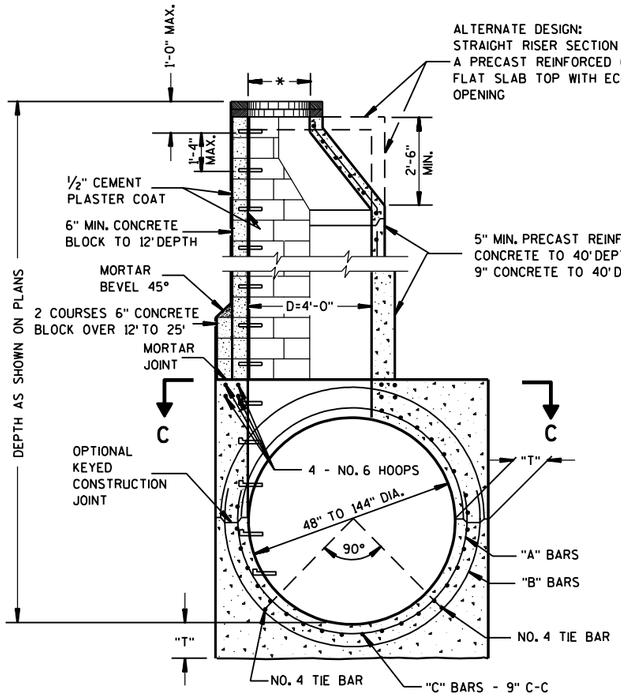
S.D.D. 8 B 7-4

6

S.D.D. 8 B 7-4

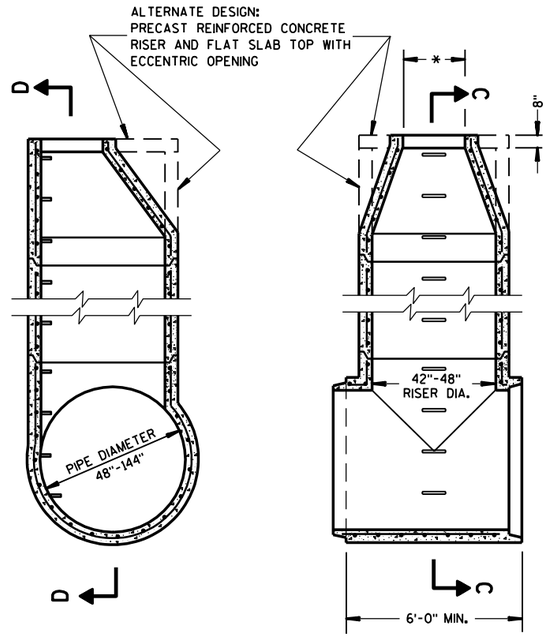


HALF SECTION C-C



SECTION D-D

MANHOLE TYPE 5



SECTION C-C SECTION D-D

MANHOLE TYPE 6

PRECAST "T" SECTION

NOTE: ALL "A", "B", AND "C" BAR STEEL REINFORCING
IS THE SAME DIAMETER WHICH VARIES WITH DEPTH.
NO. 5 BARS TO 20' DEPTH
NO. 6 BARS OVER 20' TO 30' DEPTH
NO. 7 BARS OVER 30' TO 40' DEPTH

THE "A" AND "B" BARS MAY BE PLACED IN ONE OR
TWO SEGMENTS, AND SHALL LAP 24 BAR DIAMETERS.

"C" BARS SHALL HAVE STANDARD HOOKED ENDS.

NOTE: "T" THROUGHOUT LENGTH "L" SHALL BE 13" FOR
PIPE DIAMETER 48" TO 84" AND 15" FOR PIPE
DIAMETER GREATER THAN 84".

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.

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 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

STEPS CONFORMING TO AASHTO M 199 SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT.

PRECAST REINFORCED CONCRETE RISERS AND ECCENTRIC CONES MAY BE USED ON CONCRETE OR CONCRETE BLOCK MANHOLES.

PRECAST SECTIONS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

* USE 2'-0" DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 3'-0" DIAMETER WITH TYPE "K" AND "M" COVERS.

ALL PRECAST INLET UNITS AND MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

MANHOLES TYPE 5 & 6

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APPROVED
9/9/05
DATE
FHWA

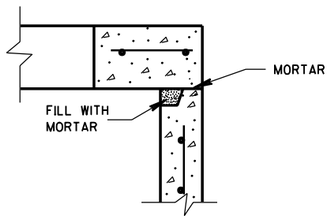
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

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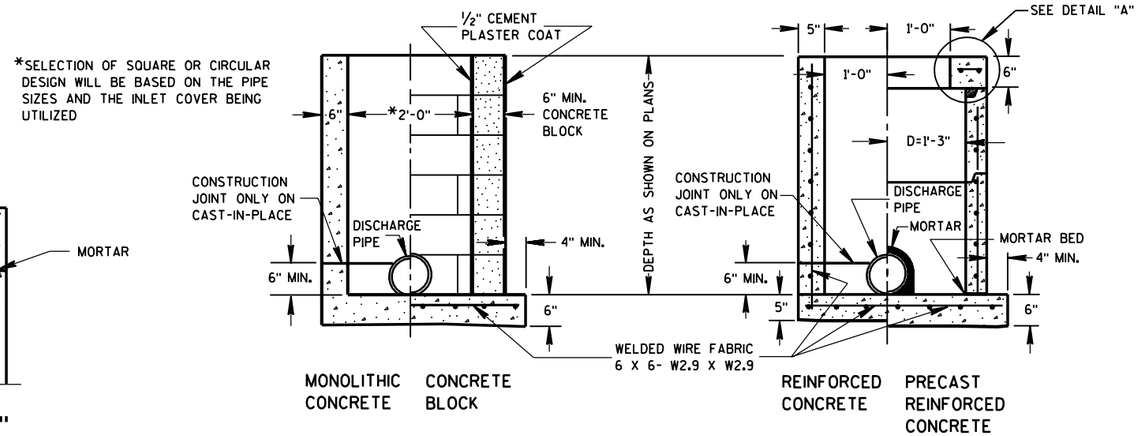
S.D.D. 8 B 8-4

6

S.D.D. 8 B 8-4



DETAIL "A"



INLETS TYPE 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.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED 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.

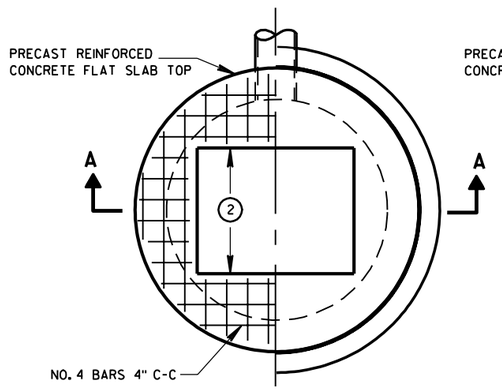
PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

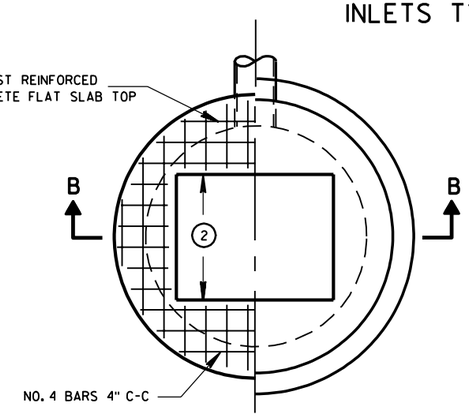
PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

(1) USE 2'-6" OPENING FOR TYPE 2 INLETS, 3'-0" OPENING FOR TYPE 3 INLETS, AND 2'-11" FOR TYPE 4 INLETS.

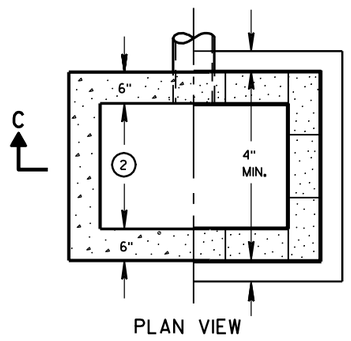
(2) USE 2'-0" OPENING FOR TYPE 1, 2 & 3 INLETS, 2'-6½" OPENING FOR TYPE 4 INLETS.



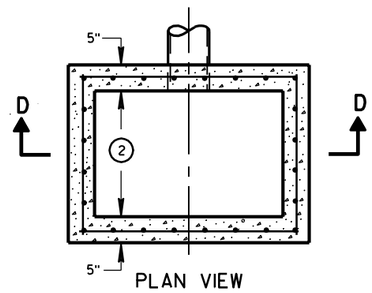
PLAN VIEW



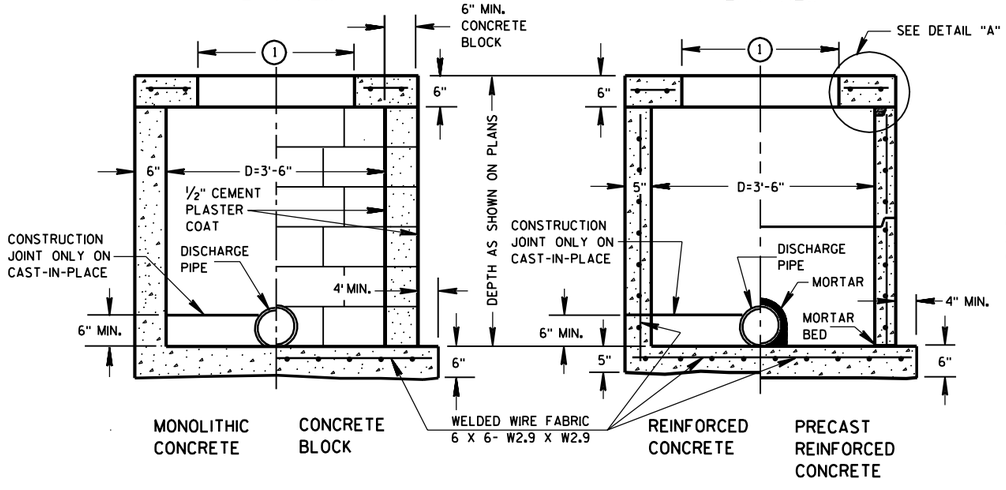
PLAN VIEW



PLAN VIEW

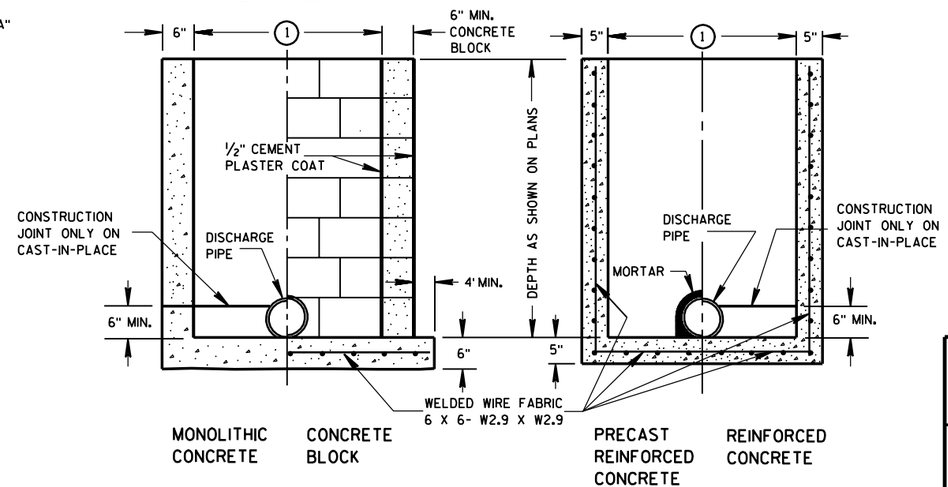


PLAN VIEW



SECTION A-A

SECTION B-B



SECTION C-C

SECTION D-D

INLETS TYPE 2, 3 & 4

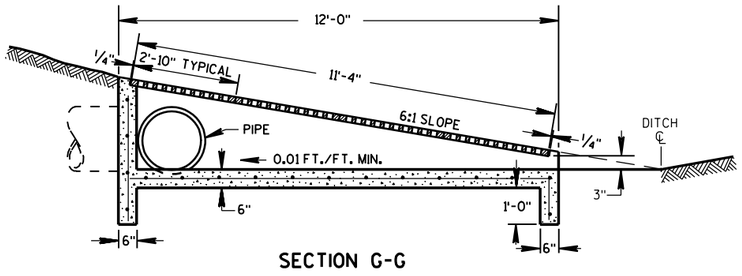
INLETS TYPE 1, 2, 3 & 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

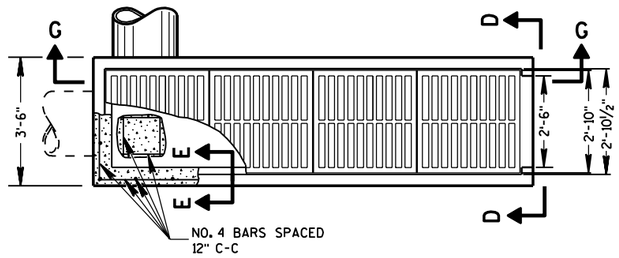
APPROVED 8/26/94 DATE
FHWA

CHIEF ROADWAY DEVELOPMENT ENGINEER

S.D.D. 8 C 1-5

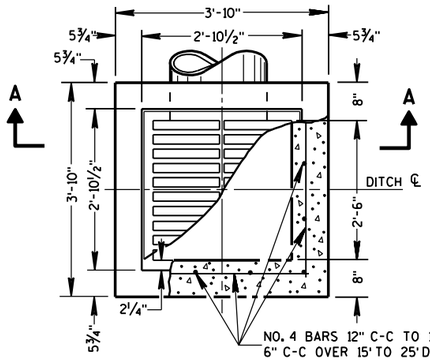


SECTION G-G

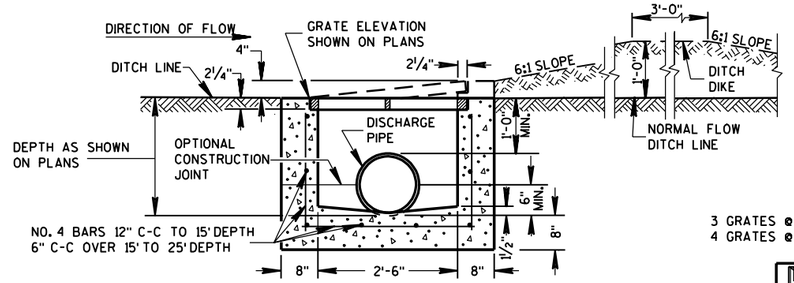


PLAN VIEW

REINFORCED CONCRETE INLET TYPE 11

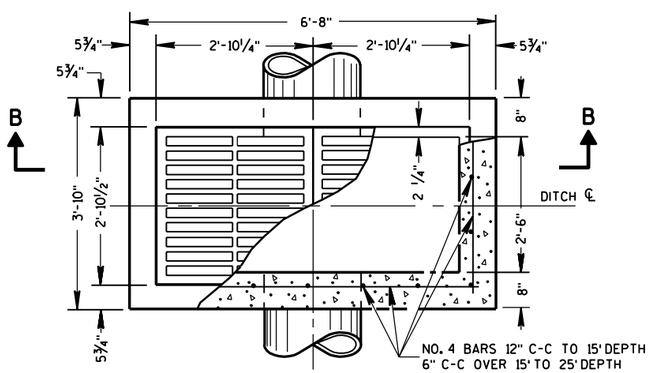


PLAN VIEW

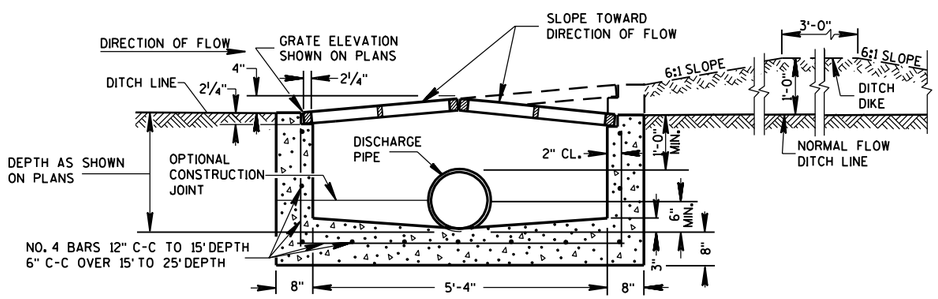


SECTION A-A

REINFORCED CONCRETE INLET TYPE 8



PLAN VIEW



SECTION B-B

REINFORCED CONCRETE INLET TYPE 9

GENERAL NOTES

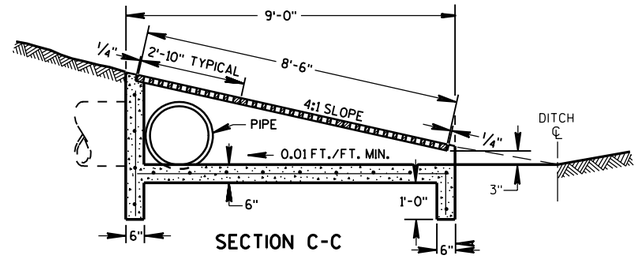
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

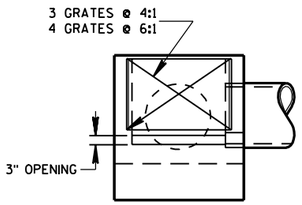
PRECAST REINFORCED CONCRETE INLET UNITS, IF USED, SHALL CONFORM TO THE REQUIREMENTS OF THE CATCH BASINS, MANHOLES AND INLETS SECTION OF THE STANDARD SPECIFICATIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A CORRECTED LIST OF SIZES IS FURNISHED BY THE ENGINEER.

ALL INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 8-MS", ETC. THIS DESIGNATION IS INTERPRETED TO MEAN THAT THE NUMBER, OR FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER OR IRON CASTING TO BE USED THEREWITH TO COMPRISE THE COMPLETE UNIT.

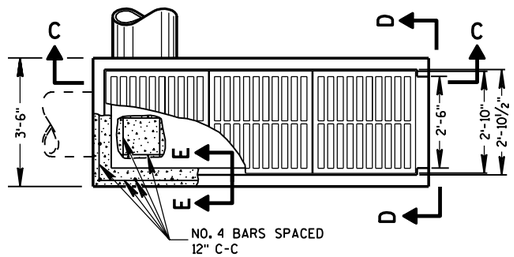
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.



SECTION C-C

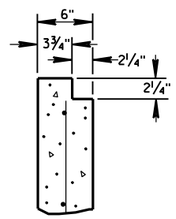


SECTION D-D



PLAN VIEW

REINFORCED CONCRETE INLET TYPE 10



SECTION E-E

INLETS TYPE 8, 9, 10 AND 11

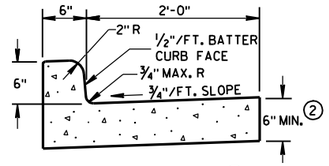
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/10/94
DATE

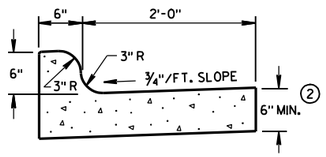
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

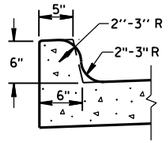
S.D.D. 8 C 5-2



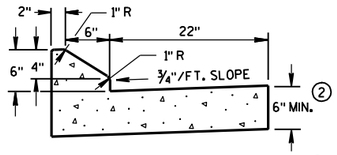
TYPES A & D ①



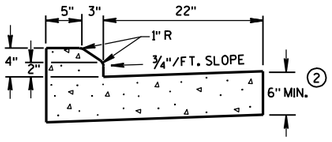
TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

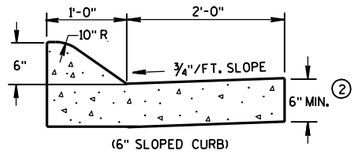


6" SLOPED CURB TYPES G & J ①

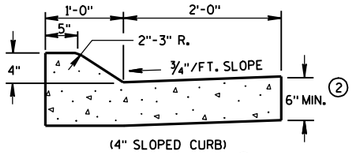


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

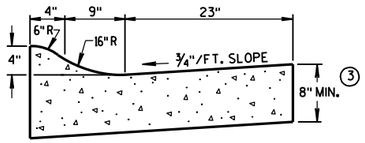


(6" SLOPED CURB)



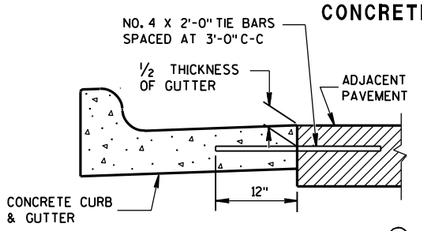
(4" SLOPED CURB)

TYPES A & D ①

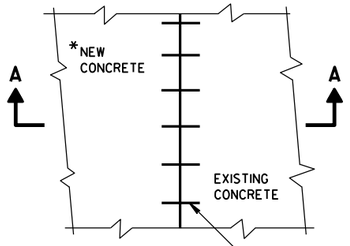


4" SLOPED CURB TYPES R & T ①④

CONCRETE CURB & GUTTER 36"

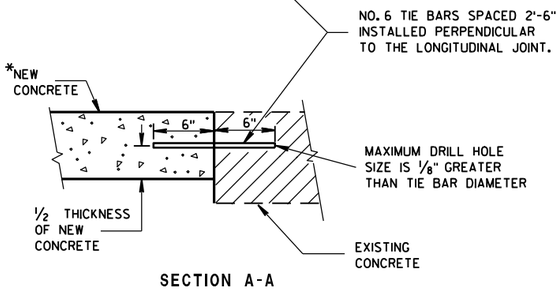


TYPICAL TIE BAR LOCATION ①



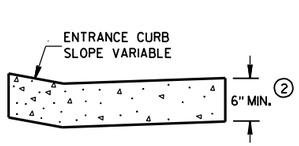
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW

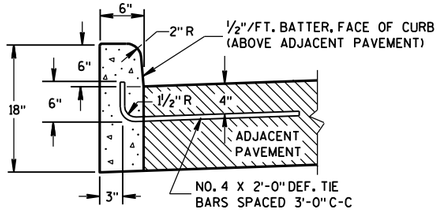


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



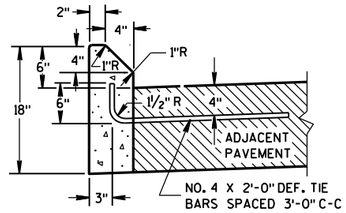
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



① TYPES A & D

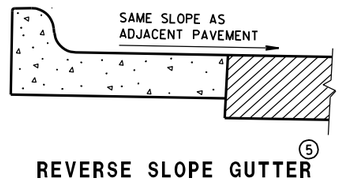
CONCRETE CURB & GUTTER 18"

① TYPES A & D



① TYPES G & J

CONCRETE CURB



REVERSE SLOPE GUTTER
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

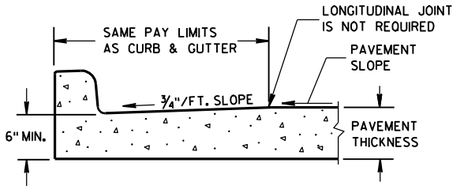
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

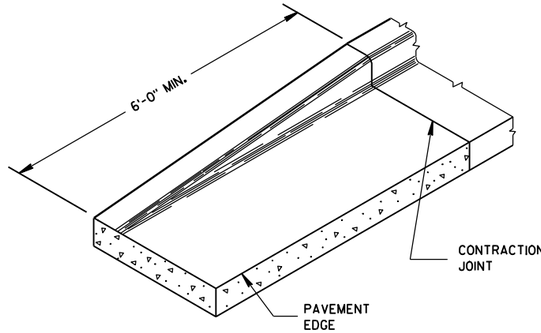
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

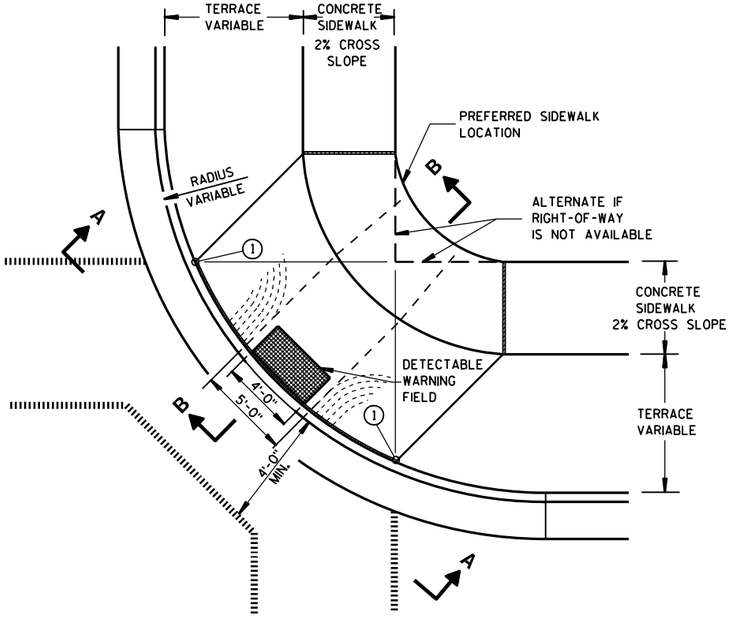
CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

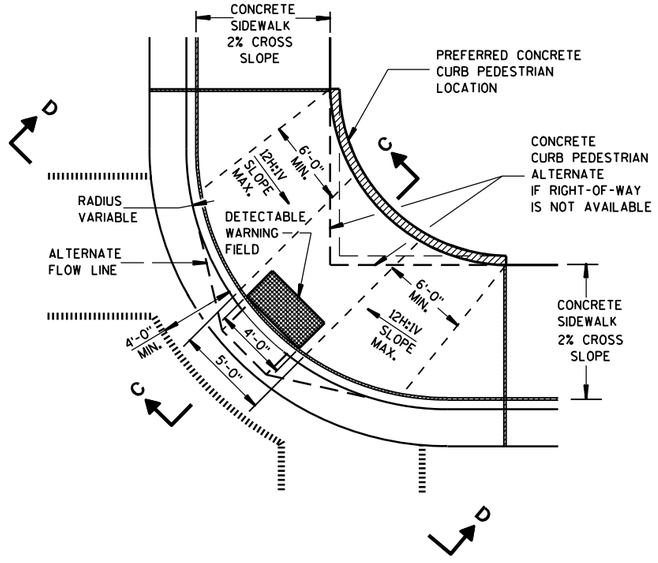
S.D.D. 8 D 1-17



PLAN VIEW

TYPE 1 RAMP

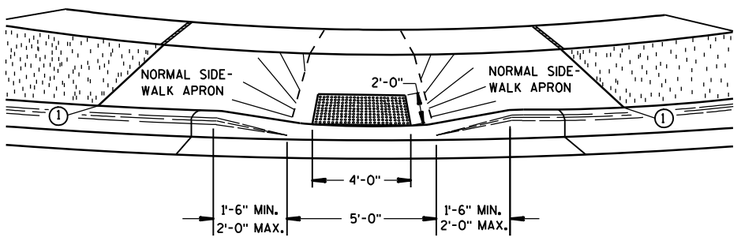
(CENTER OF CORNER RADIUS)



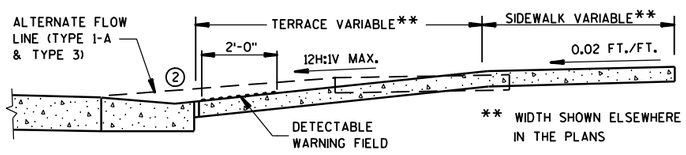
PLAN VIEW

TYPE 1-A RAMP

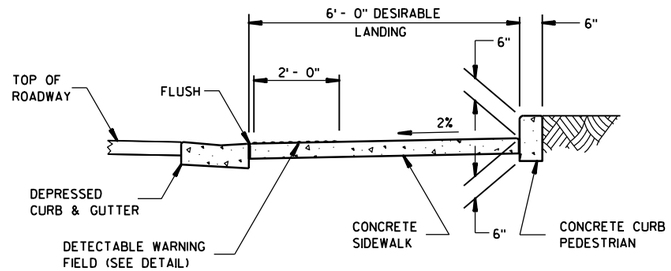
(NO TERRACE)



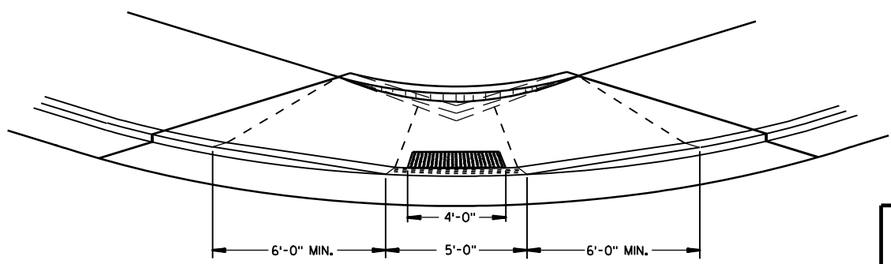
VIEW A-A



SECTION B-B



SECTION C-C



VIEW D-D

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".

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.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS
TYPES 1 AND 1-A

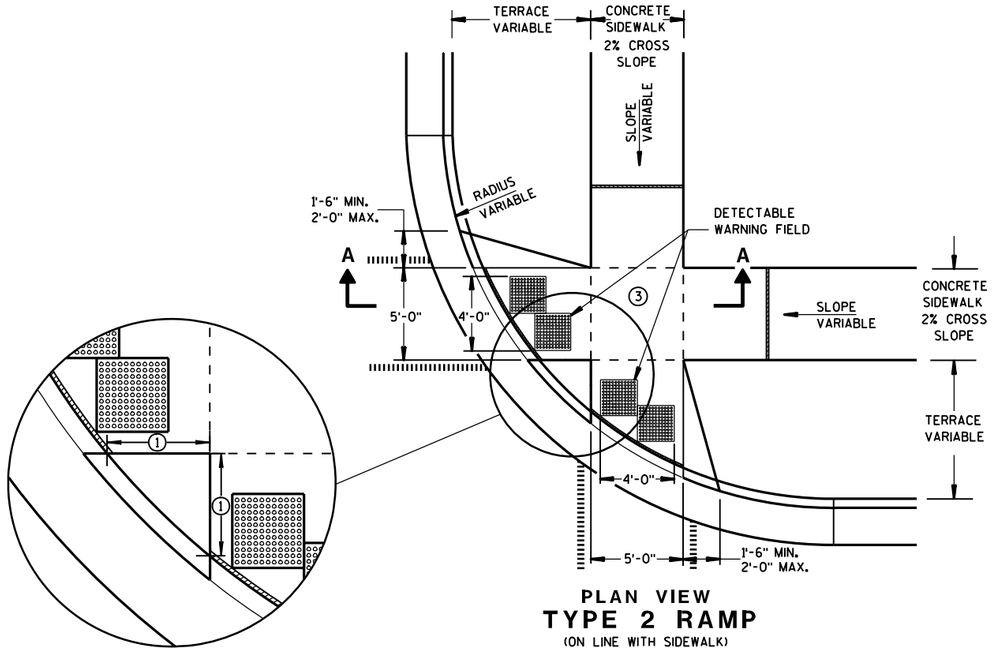
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 8 D 5-14a

6

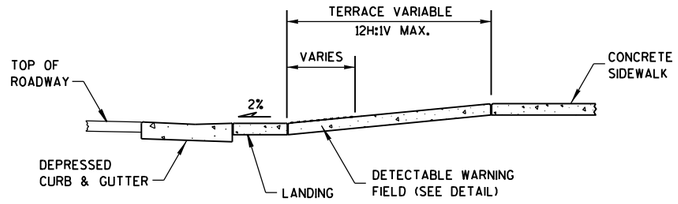
S.D.D. 8 D 5-14a



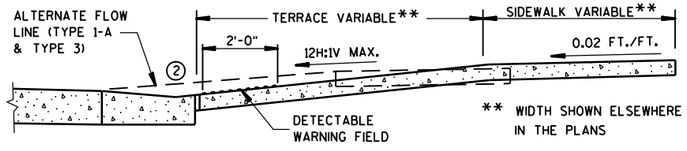
PLAN VIEW

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.

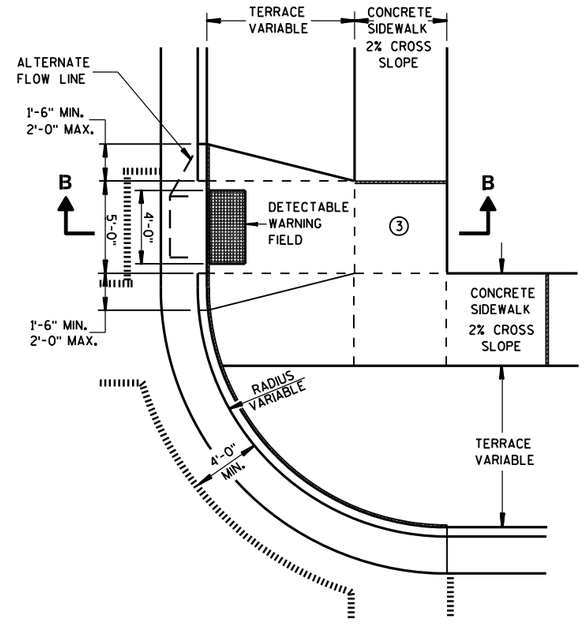
(1) WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

(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) PROVIDE LANDING AT TOP OF RAMP WITH NO MORE THAN 2% SLOPE IN ANY DIRECTION.

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

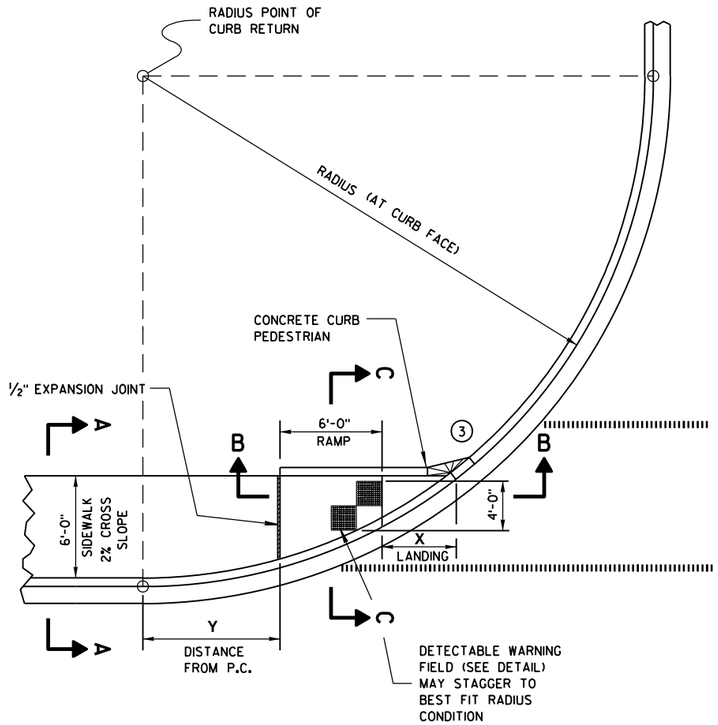
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 8 D 5-14b

6

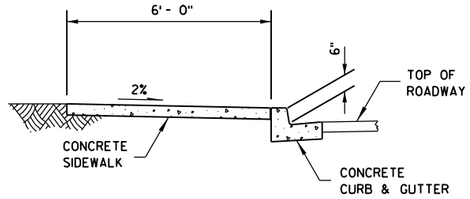
S.D.D. 8 D 5-14b



CURB RAMP TYPE 4A
PLAN VIEW

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

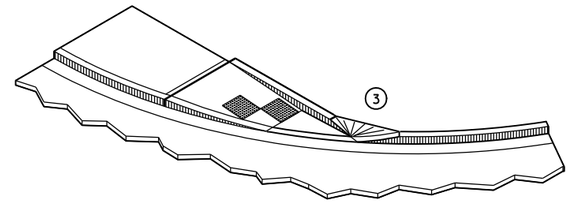
GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

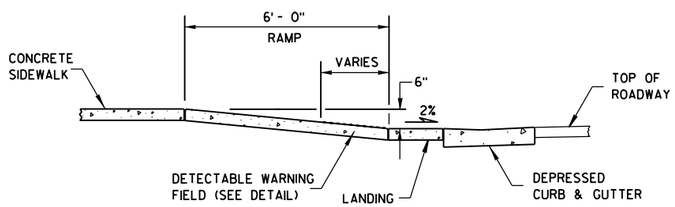
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

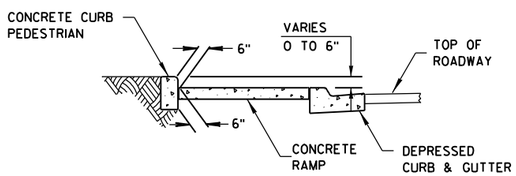
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW



SECTION B-B



SECTION C-C

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A

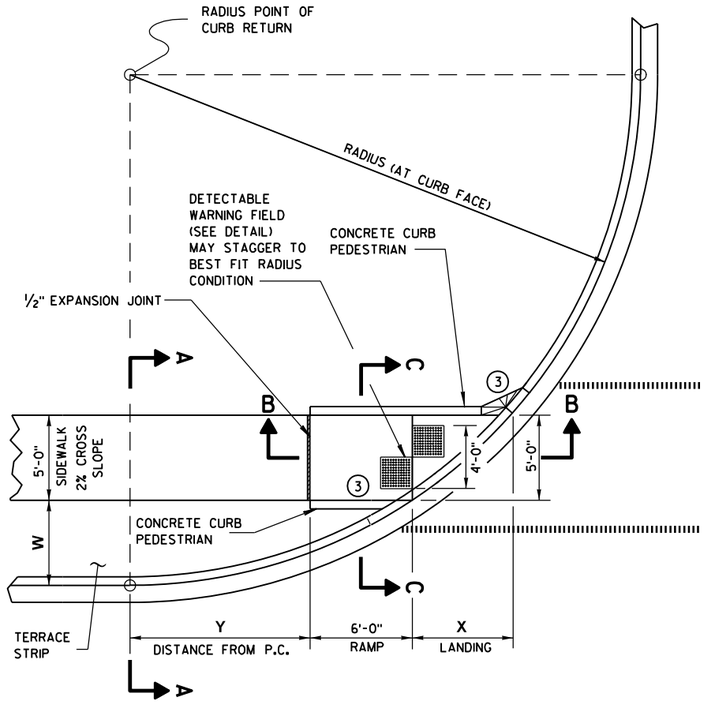
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

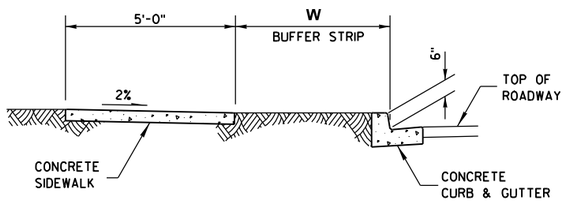
S.D.D. 8 D 5-14c

6

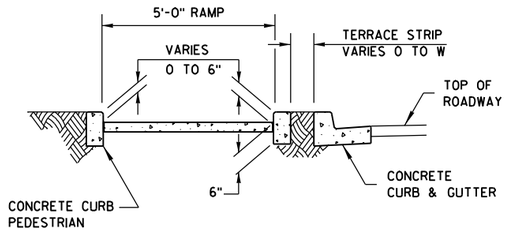
S.D.D. 8 D 5-14c



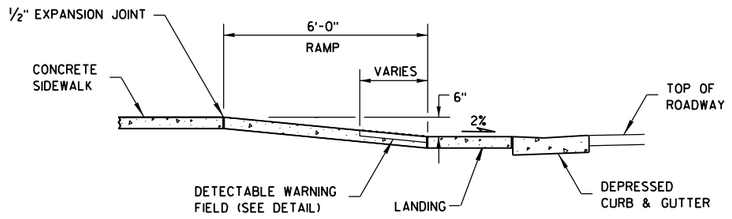
CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A



SECTION C-C



SECTION B-B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

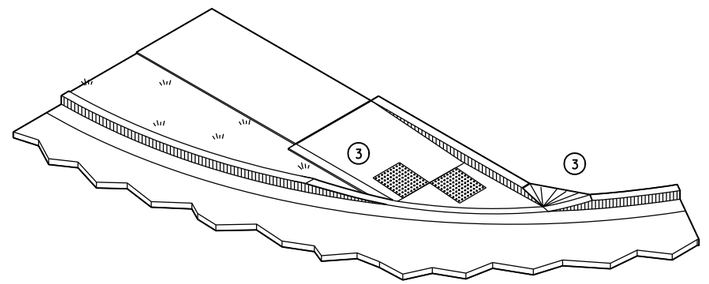
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

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"
70 FEET	12'-2¾"	14'-3¼"	11'-¼"	17'-4"	10'-1"	19'-11¾"	9'-3¾"	22'-4¼"	8'-8¼"	24'-6¼"
80 FEET	13'-2"	15'-8½"	11'-10½"	18'-11¾"	10'-10¾"	21'-10"	10'-1"	24'-4¾"	9'-5"	26'-8¾"
90 FEET	14'- ½"	17'-½"	12'-8¼"	20'-6½"	11'-7¾"	23'-7"	10'-9¾"	26'-3¾"	10'-1¼"	28'-9½"
100 FEET	14'-10½"	18'-3¾"	13'-5½"	22'-0"	12'-4¼"	25'-2¾"	11'-5¾"	28'-1½"	10'-9"	30'-9"

INTERMEDIATE RADII CAN BE INTERPOLATED



ISOMETRIC VIEW

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B

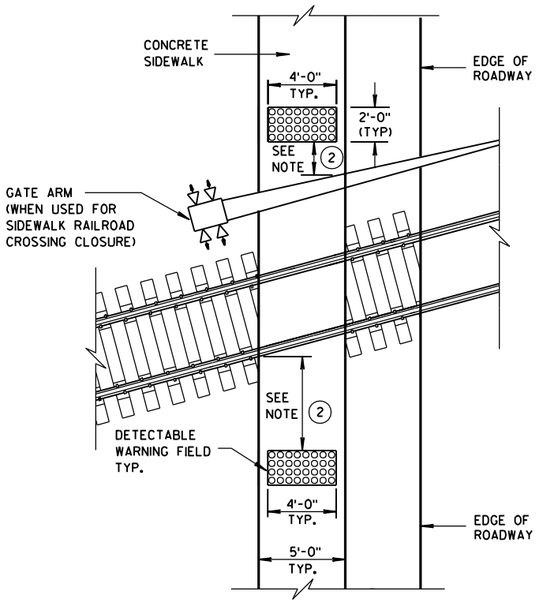
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

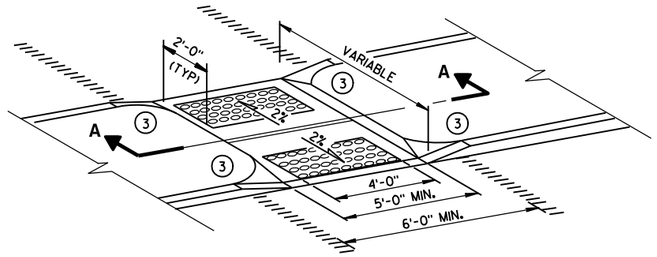
S.D.D. 8 D 5-14d

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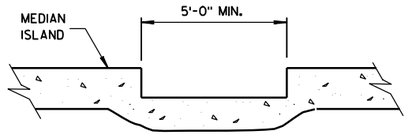
S.D.D. 8 D 5-14d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5



SECTION A-A

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

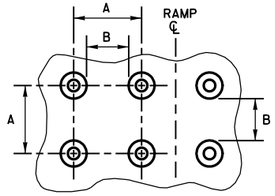
(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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.

LEGEND

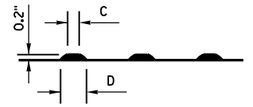
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



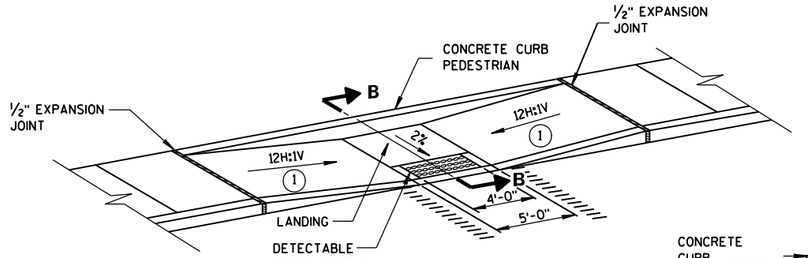
PLAN VIEW

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

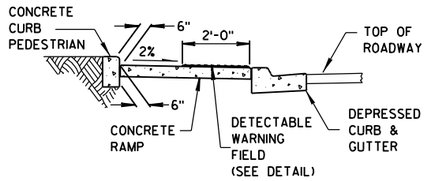
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



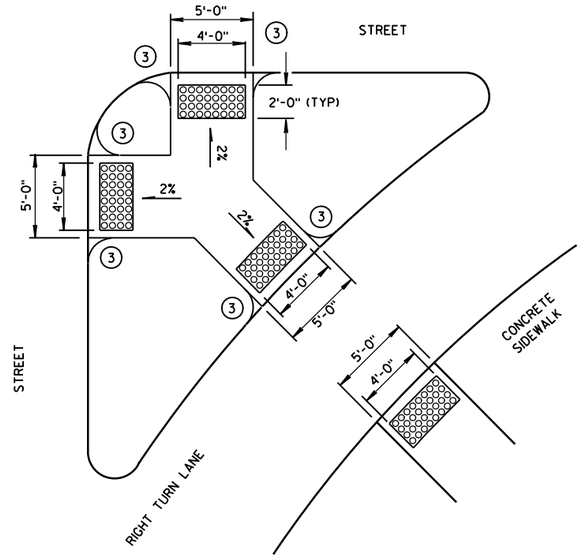
ELEVATION VIEW



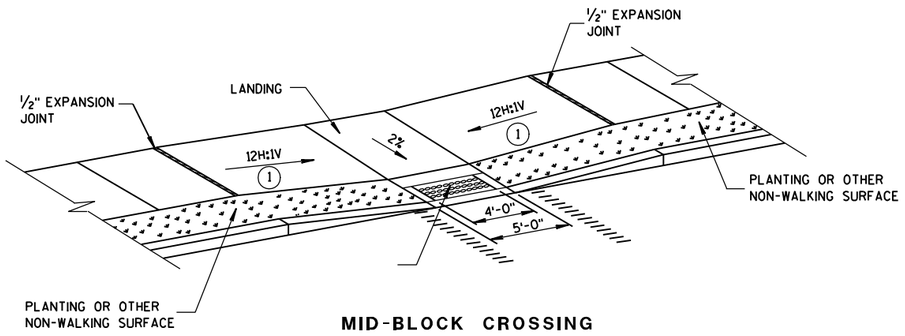
MID-BLOCK CROSSING
TYPE 7A



SECTION B-B



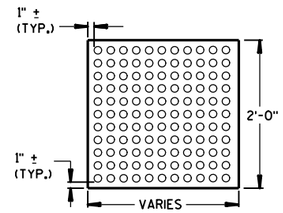
TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

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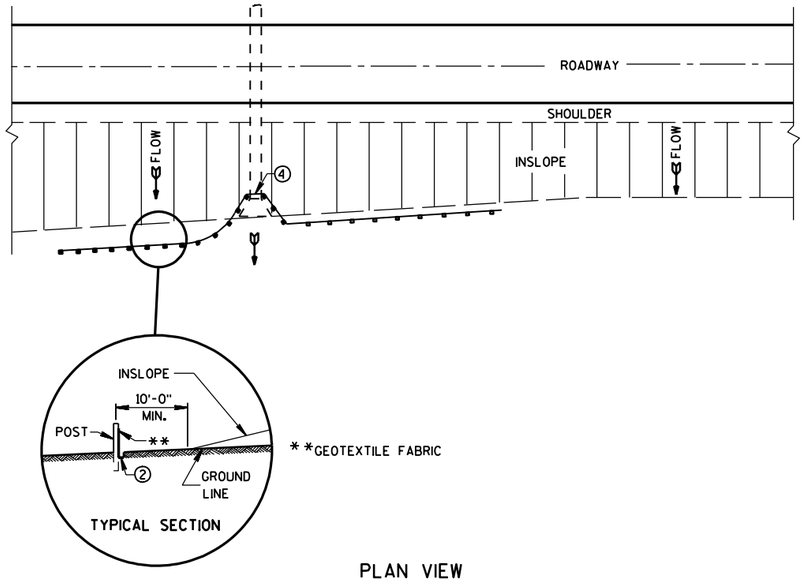
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 D 5-14e

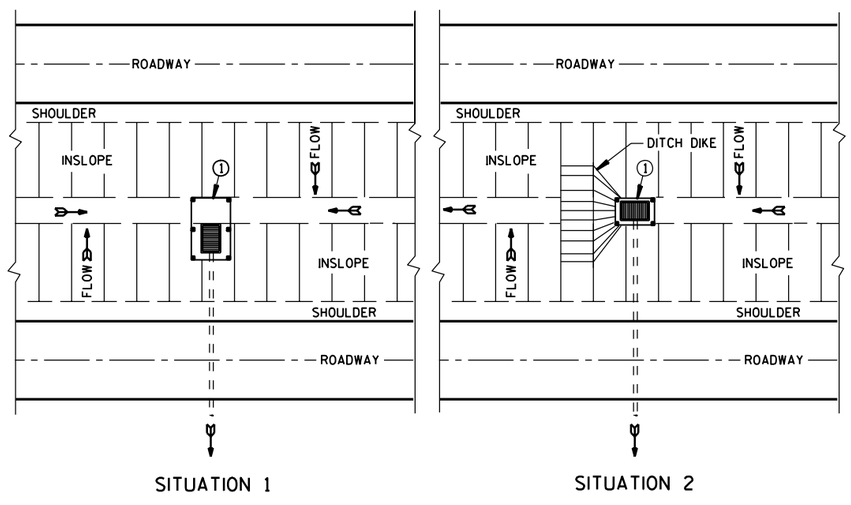
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PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



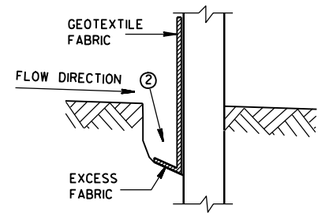
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

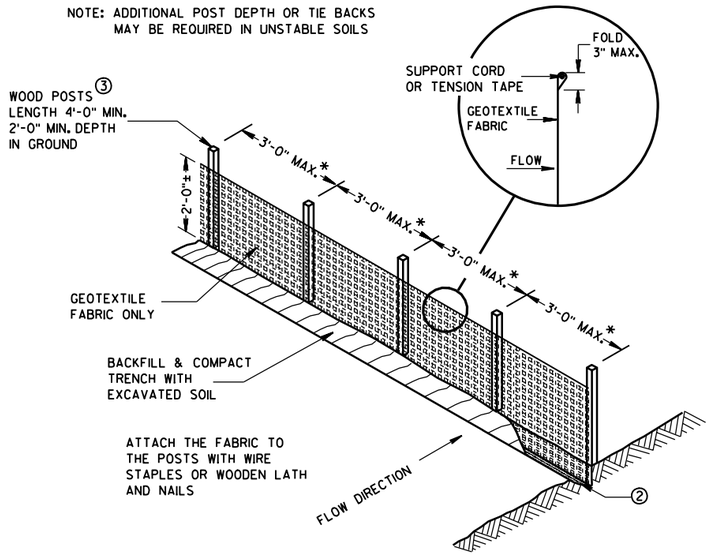
GENERAL NOTES

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

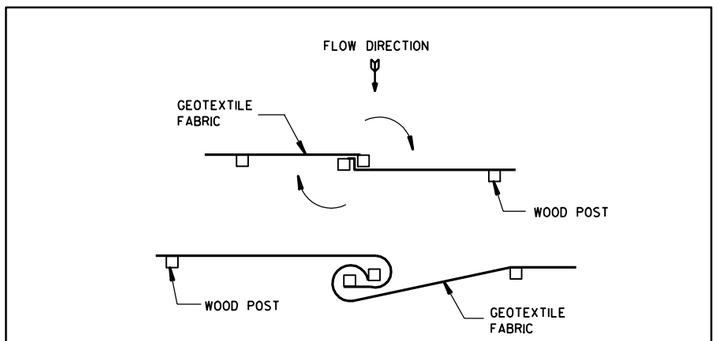
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



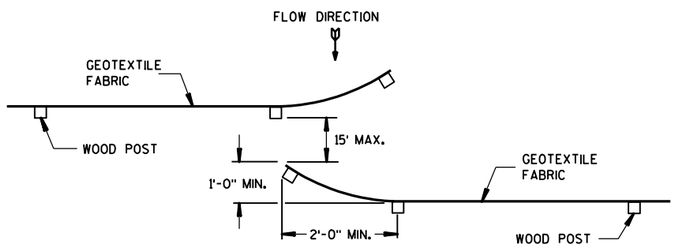
TRENCH DETAIL



SILT FENCE

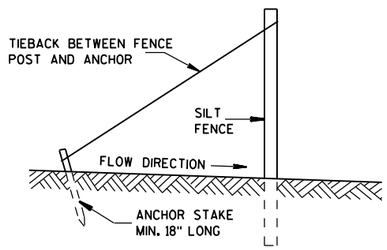


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

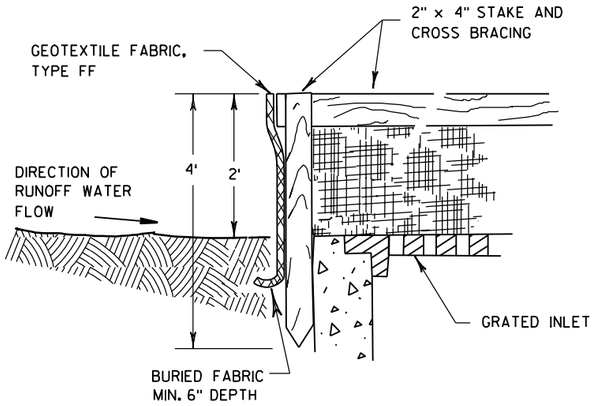
APPROVED
4-29-05
DATE
FHWA

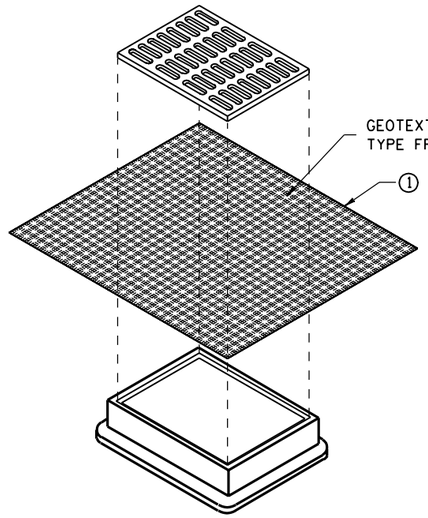
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

S.D.D. 8 E 9-6

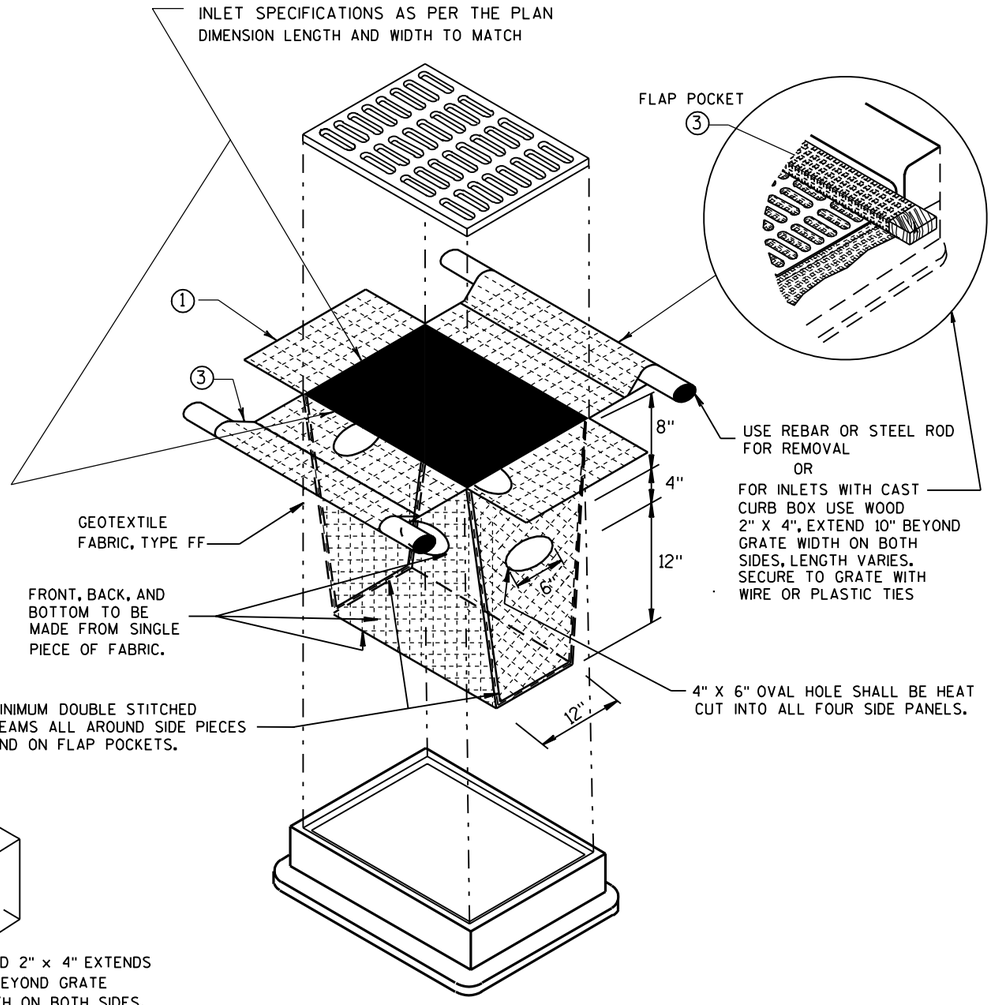
S.D.D. 8 E 9-6





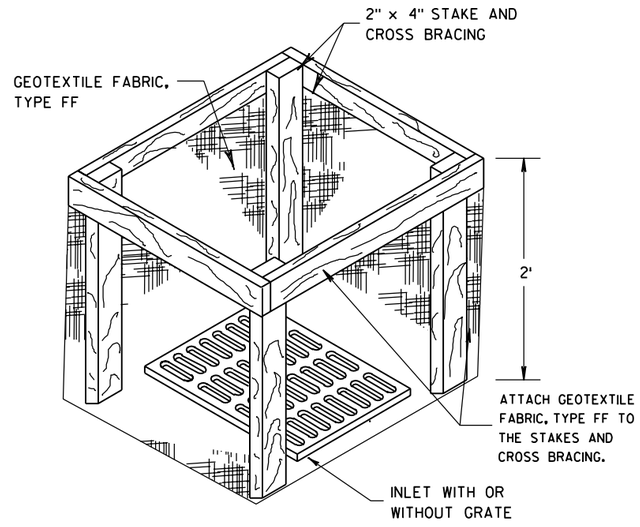
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)

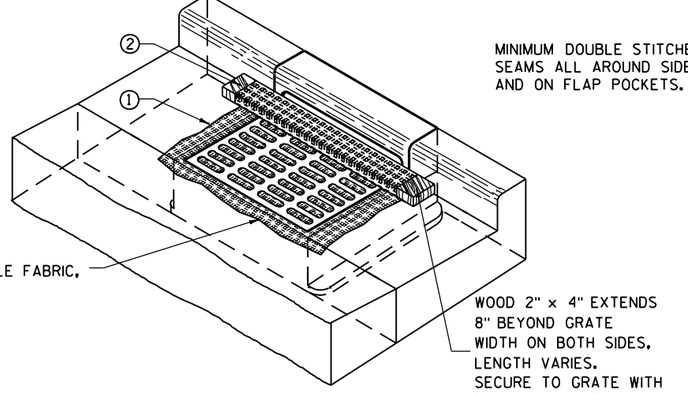


INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE A



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

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10/16/02
DATE
FHWA

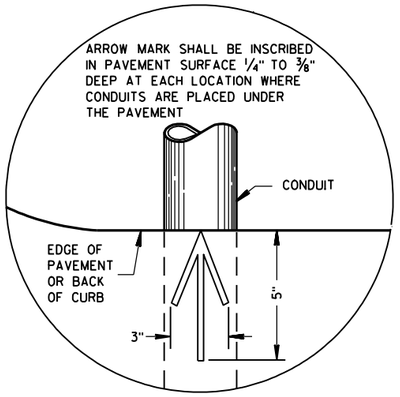
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

S.D.D. 8 E 10-2

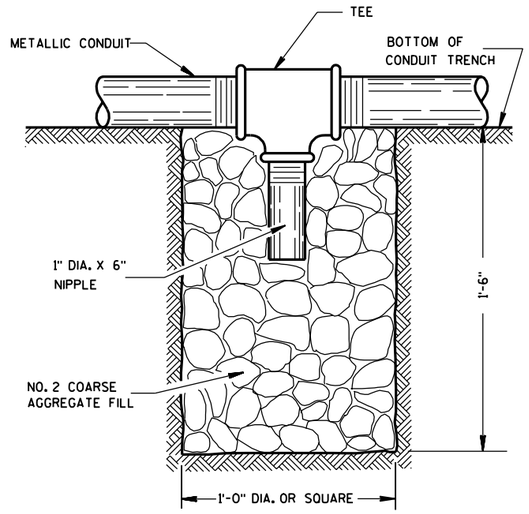
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S.D.D. 8 E 10-2



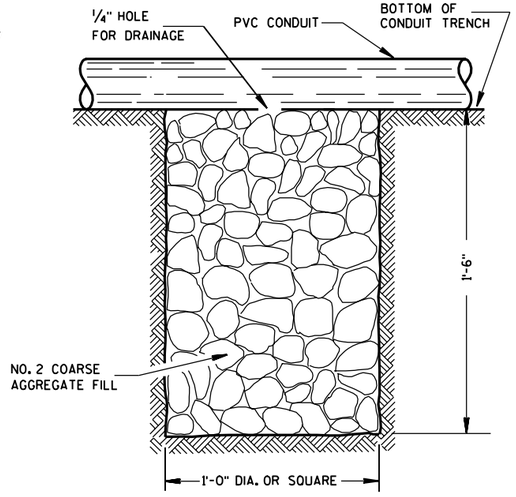
PLAN VIEW

ARROW MARK



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

DRAIN SUMP FOR METALLIC CONDUIT



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

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

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

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

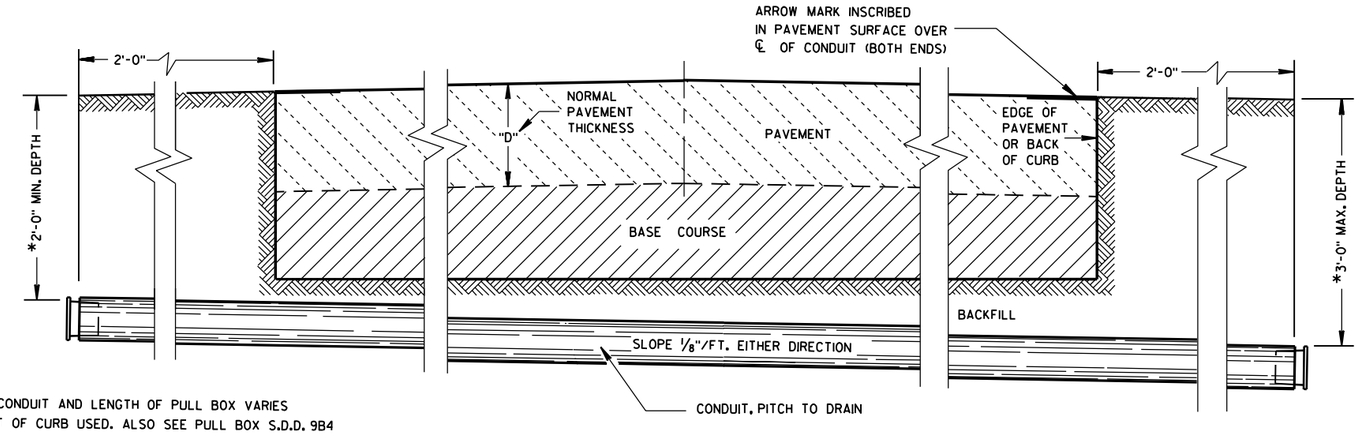
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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

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

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

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



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/23/03
DATE
FHWA

STATE ELECTRICAL ENGINEER FOR HIGHWAYS

6

S.D.D. 9 B 2-7

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

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

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

GENERAL NOTES

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

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

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

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

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

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE. THE MECHANICAL CONNECTION (INSIDE AND OUTSIDE) TO THE PULL BOX, SHALL BE TOTALLY AND PERMANENTLY SEALED WITH A SILICONE OR RUBBERIZED CAULKING COMPOUND AS APPROVED BY THE ENGINEER.

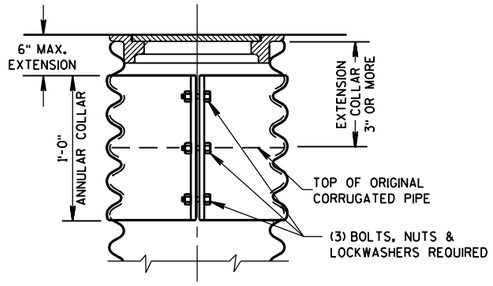
GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

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

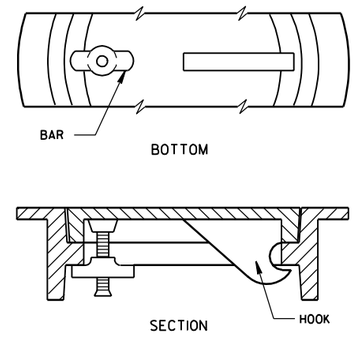
S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

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

IF PULL BOX EQUIPMENT GROUNDING IS REQUIRED USING AN EQUIPMENT GROUNDING ELECTRODE IN EACH PULL BOX, THE EQUIPMENT GROUNDING ELECTRODE SHALL BE 5/8" X 8'-0", COPPERCLAD AND BE EXOTHERMICALLY WELDED TO A #4 AWG. COPPER, STRANDED WIRE (BARE OR GREEN INSULATED). THE #4 AWG WIRE SHALL BE 4 FEET IN LENGTH, NEATLY COILED, TAPED AND AVAILABLE FOR USE WHEN REQUIRED.

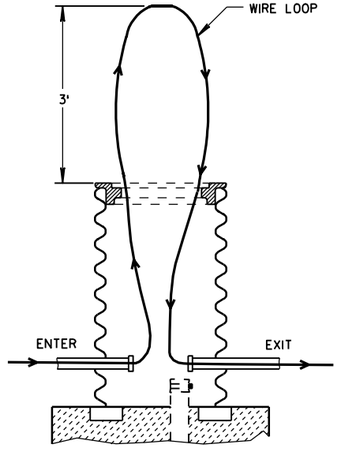


CORRUGATED PIPE EXTENDER

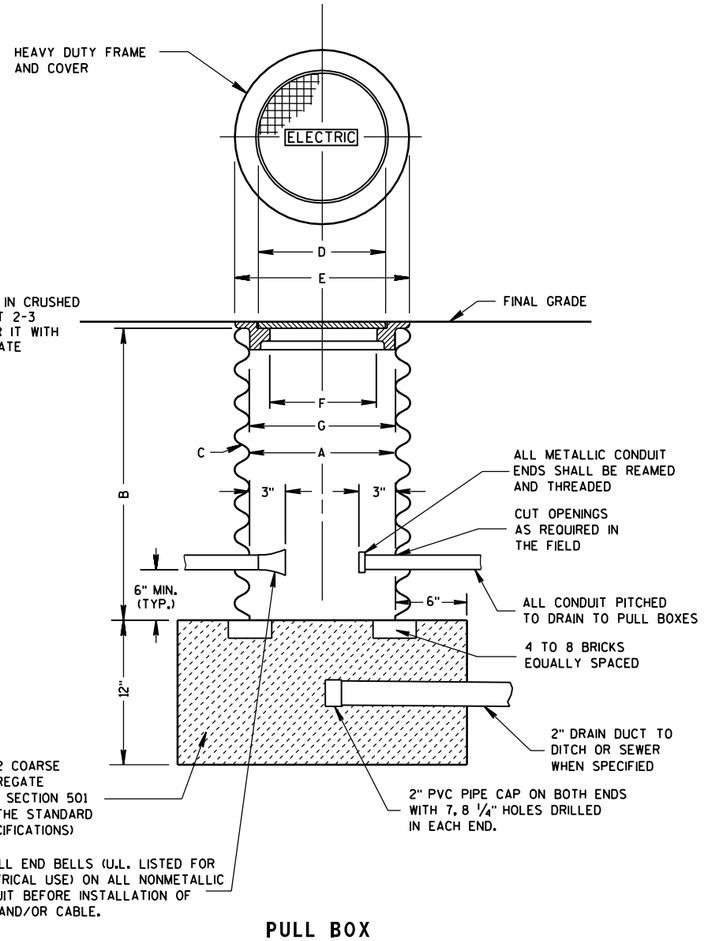


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

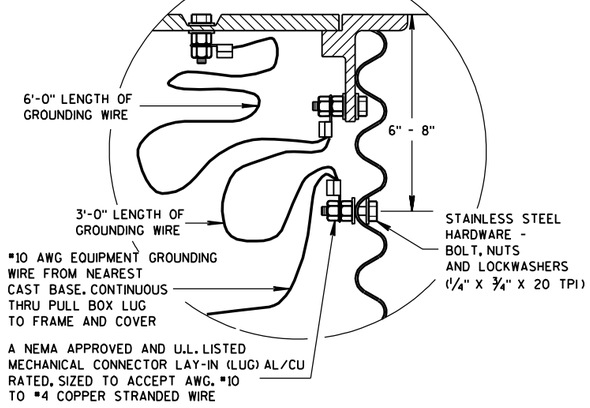


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

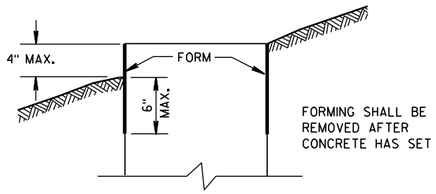
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/27/06 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA

6

S.D.D. 9 B 4-9

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

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 SMOOTH 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 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

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) FOR TYPE 2 AND TYPE 5 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES 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.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-449, OR ASTM A-687 (GRADE 105).

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(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 EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

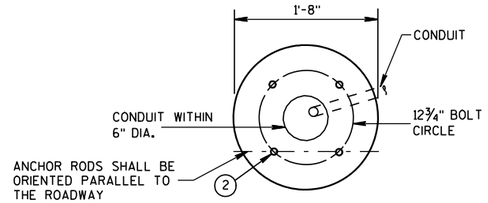
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

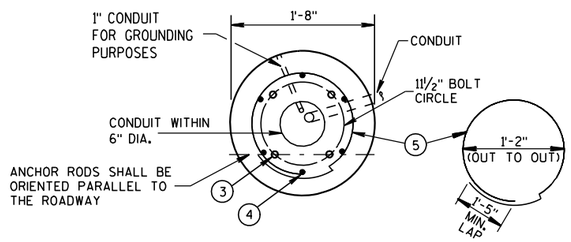
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

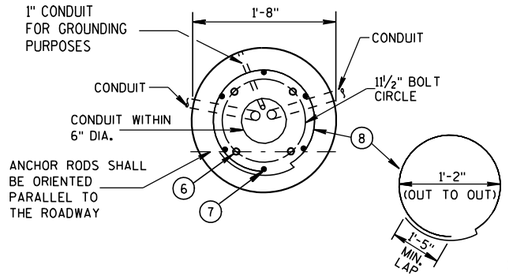
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.







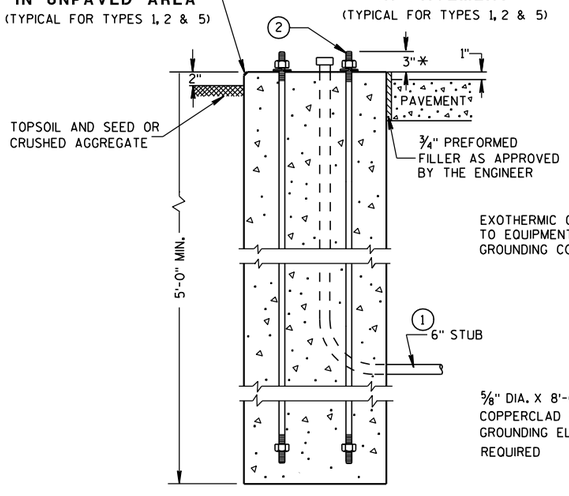
FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND

HALF SECTION IN UNPAVED AREA

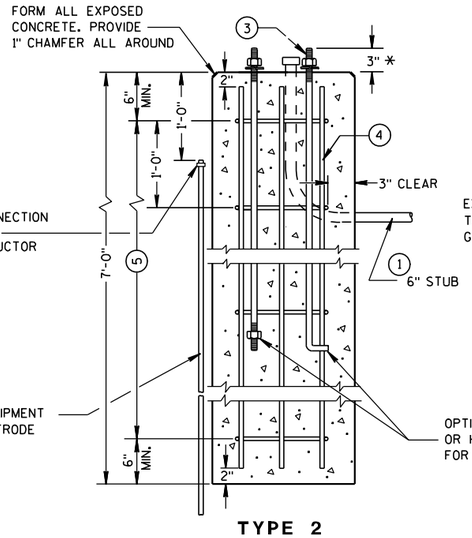
(TYPICAL FOR TYPES 1, 2 & 5)

HALF SECTION IN PAVEMENT

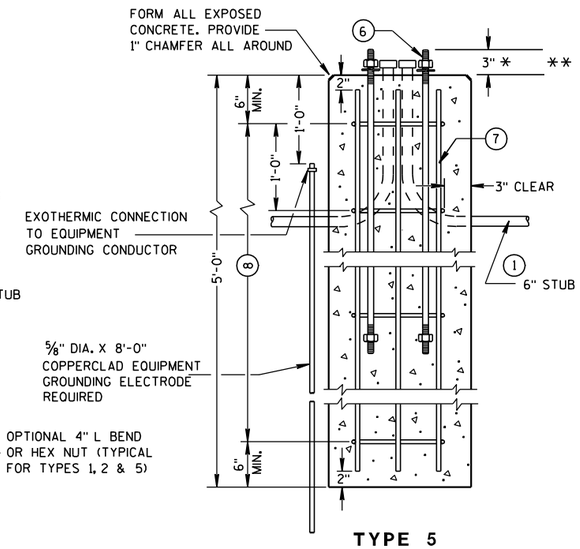
(TYPICAL FOR TYPES 1, 2 & 5)



TYPE 1



TYPE 2



TYPE 5

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2 & 5

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/3/10
DATE

/S/ Joanna L. Bush
STATE ELECTRICAL ENGINEER FOR HIGHWAYS

FHWA

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.

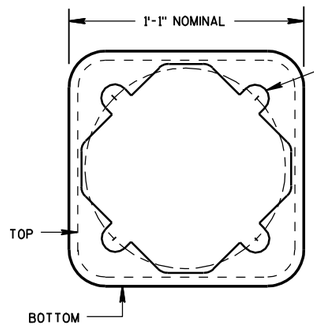
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

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.

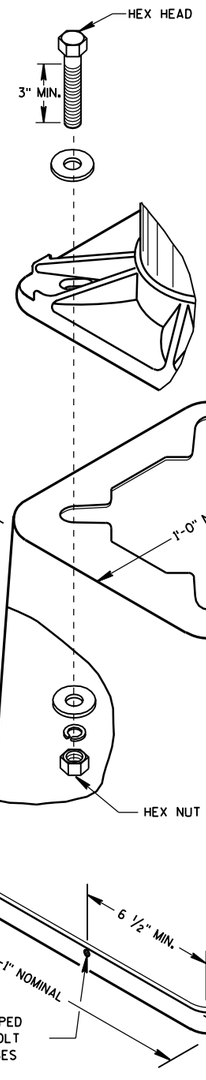
PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

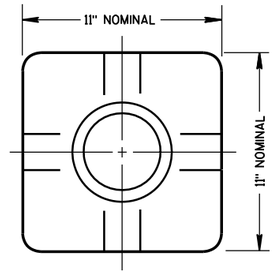
THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.



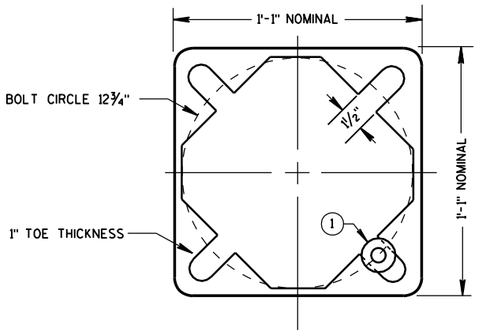
BOTTOM VIEW
(TRANSFORMER BASE)



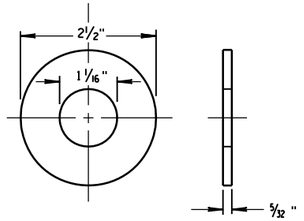
ISOMETRIC VIEW



TOP VIEW
(PEDESTAL BASE)

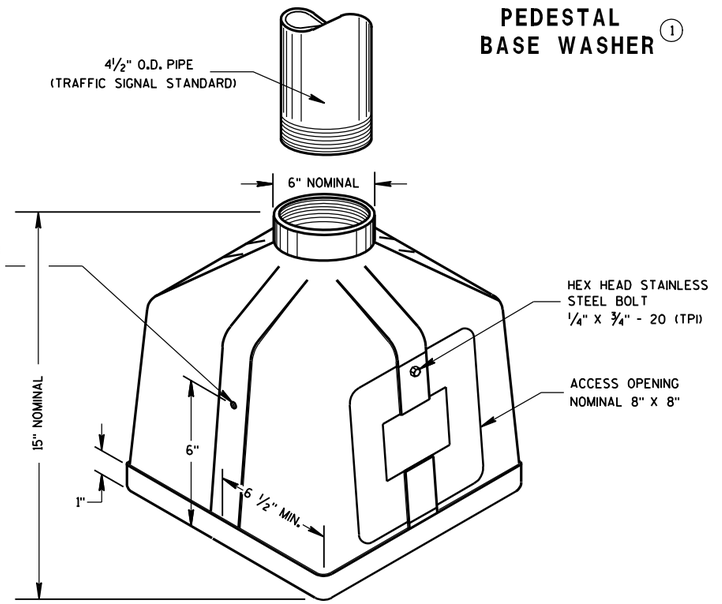


BOTTOM VIEW
(PEDESTAL BASE)



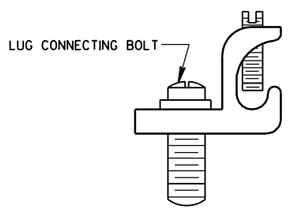
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



ISOMETRIC VIEW

PEDESTAL BASE

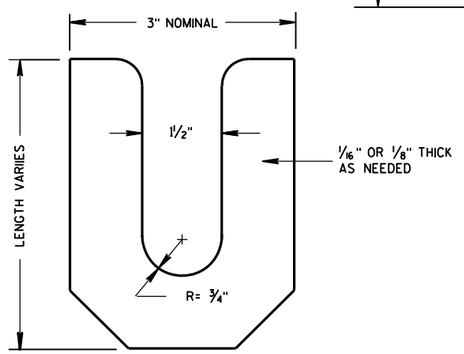


TYPICAL MECHANICAL CONNECTOR LUG

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. Bush
STATE ELECTRICAL ENGINEER FOR HIGHWAYS

FHWA

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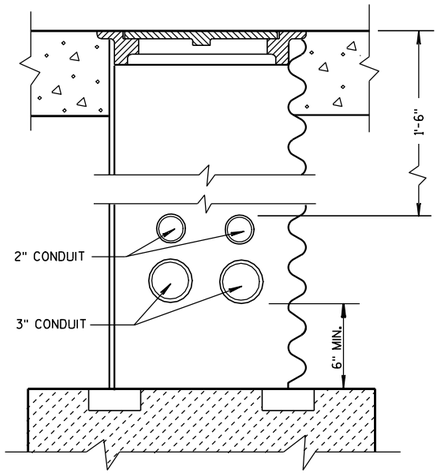
S.D.D. 9 C 3-3

6

S.D.D. 9 C 3-3

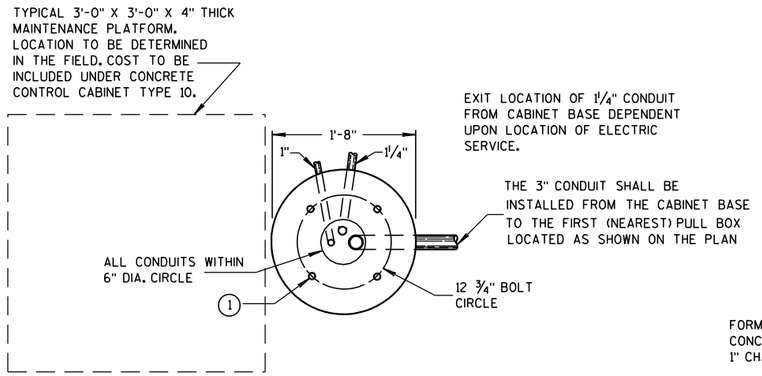
CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65 *

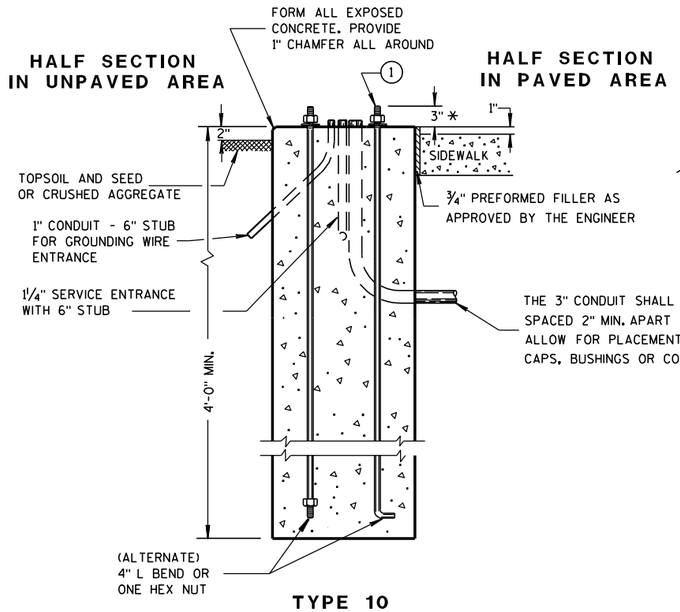
* INCLUDES MAINTENANCE PLATFORM.



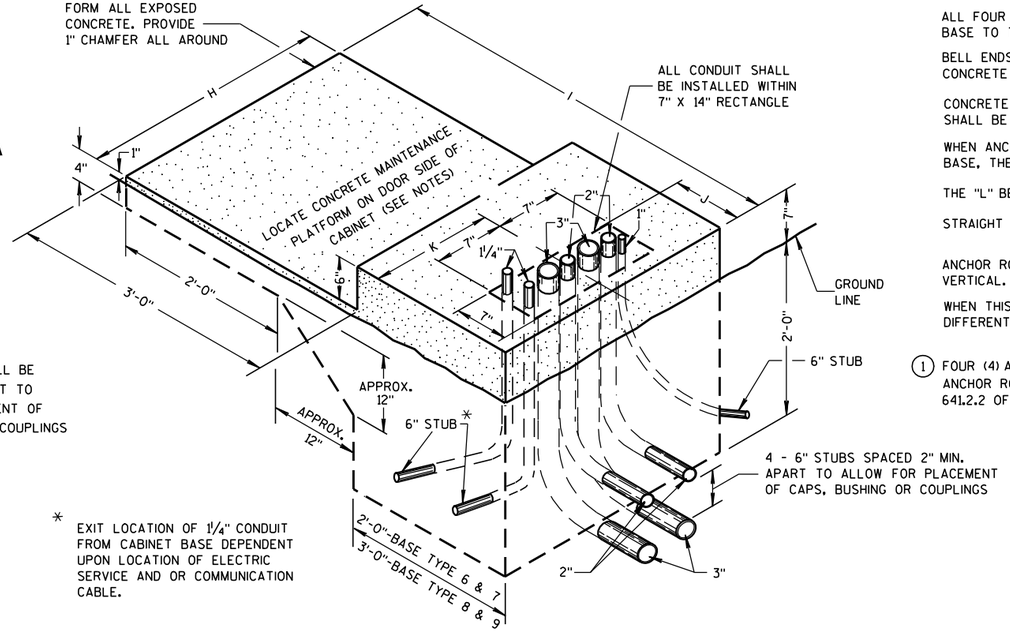
CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)





TYPE 10



TYPE 6,7,8 AND 9 (ISOMETRIC VIEW)

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

* EXIT LOCATION OF 1¼" CONDUIT FROM CABINET BASE DEPENDENT UPON LOCATION OF ELECTRIC SERVICE AND OR COMMUNICATION CABLE.

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

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

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

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

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WHEN THIS DRAWING IS USED FOR STREET LIGHTING CABINET BASES, CONDUIT MAY BE DIFFERENT AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS.

CONCRETE CONTROL CABINET BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/3/10 — DATE
/S/ Joanna L. Bush — STATE ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA

6

S.D.D. 9 C 5-7

6

S.D.D. 9 C 5-7

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).

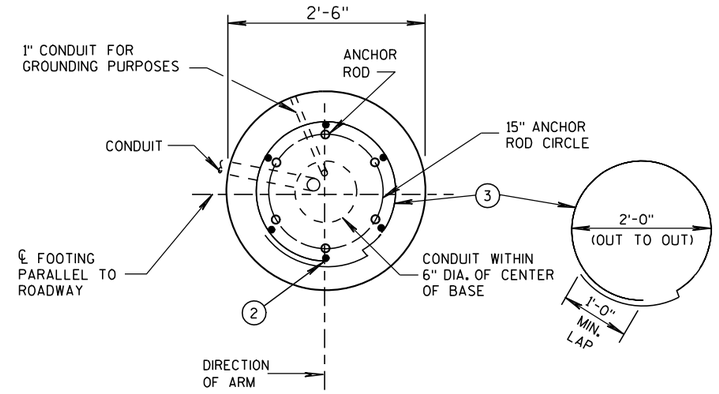
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

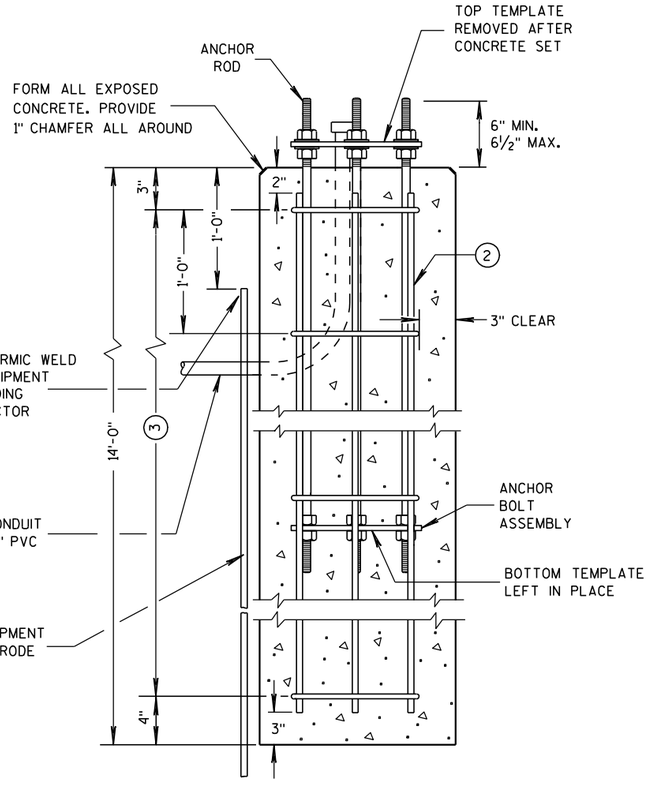
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES. (GREATER THAN 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.

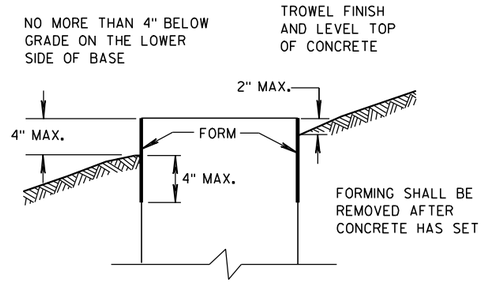
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, AASHTO M314 GRADE 55	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.



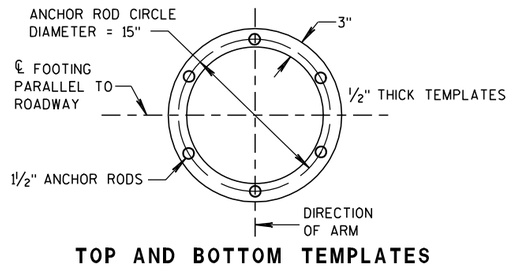


CONCRETE BASE TYPE 10
(FOR TYPE 9 & 10 POLES)

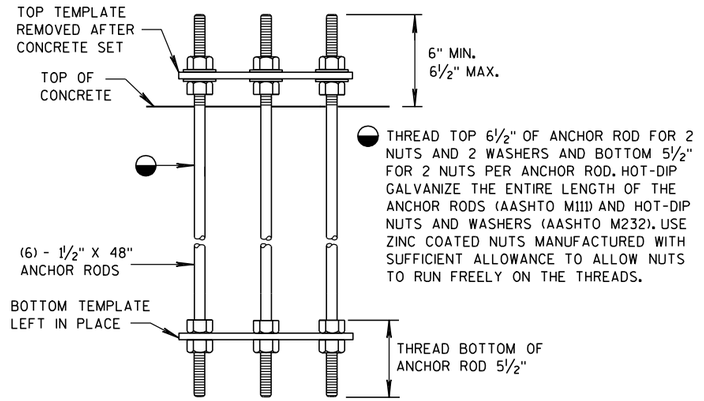
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-1 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



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

3-2-11 DATE

/S/ Thomas J. Corrigan
STATE ELECTRICAL ENGI

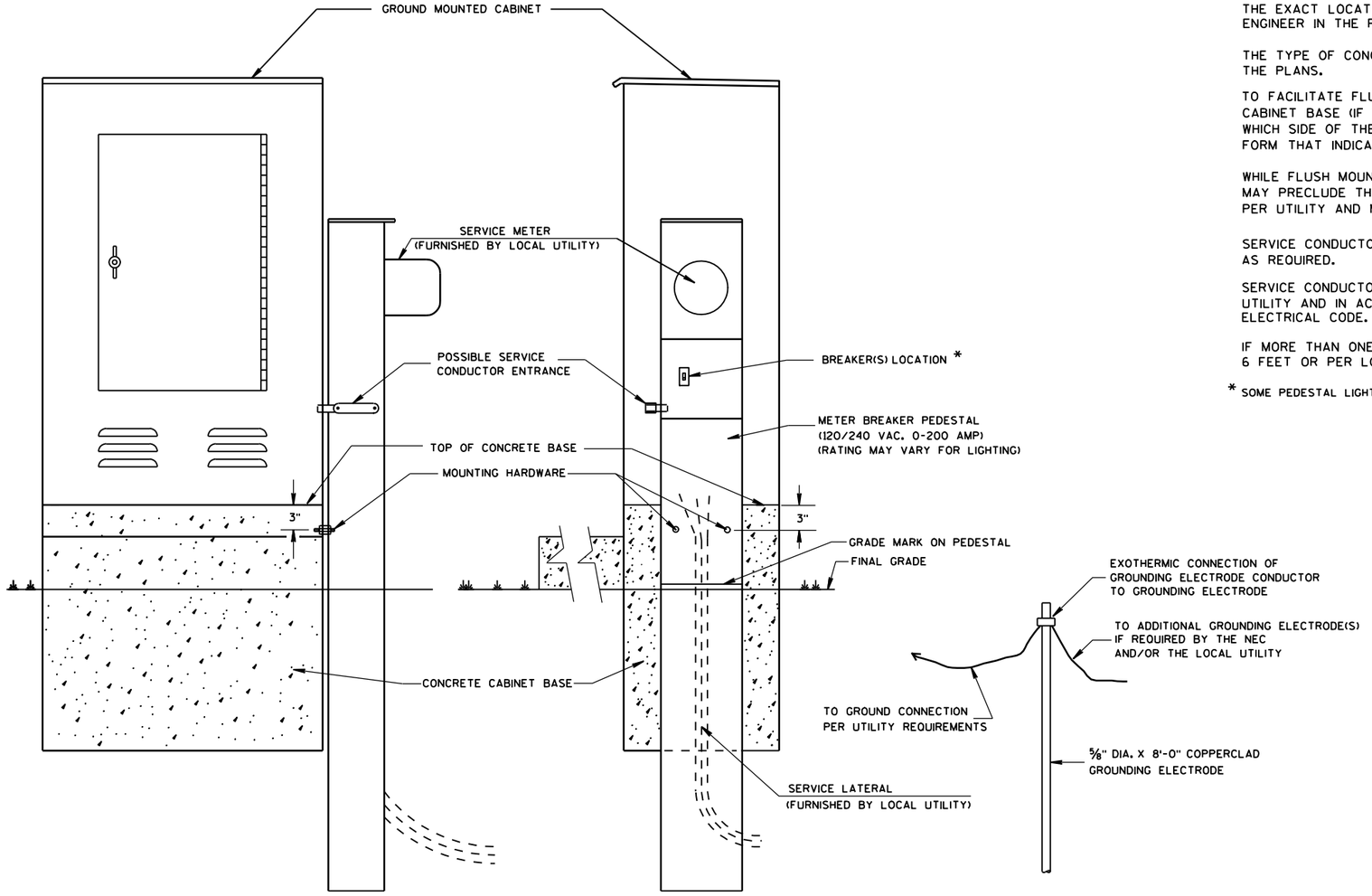
227

HWYS

FHWA

6

S.D.D. 9 C 11-2



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.

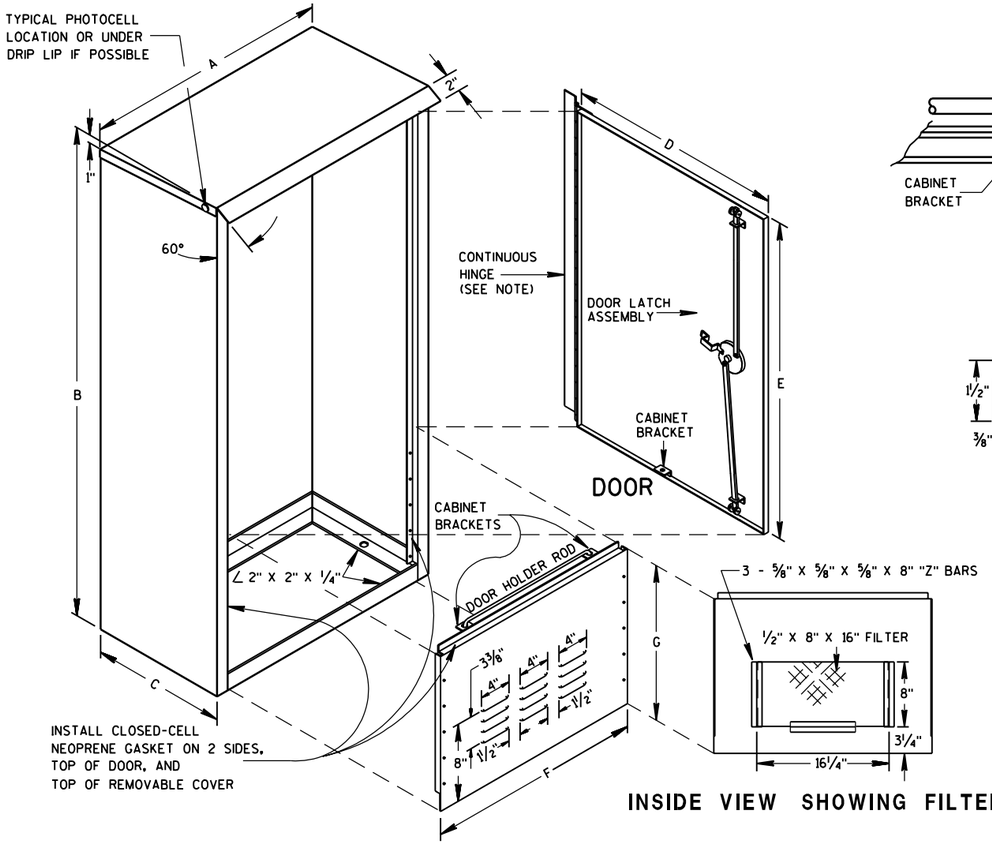
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
10/27/09 DATE	/S/ Joanna L. Bush STATE ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA	

6

S.D.D. 9 D 1-4

6

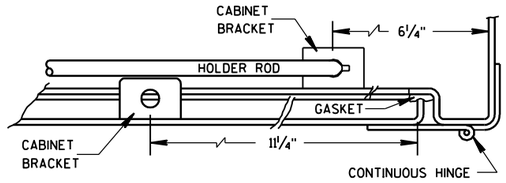
S.D.D. 9 D 1-4



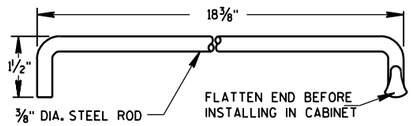
DOOR

INSIDE VIEW SHOWING FILTER

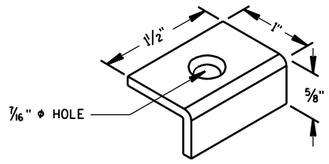
REMOVABLE COVER



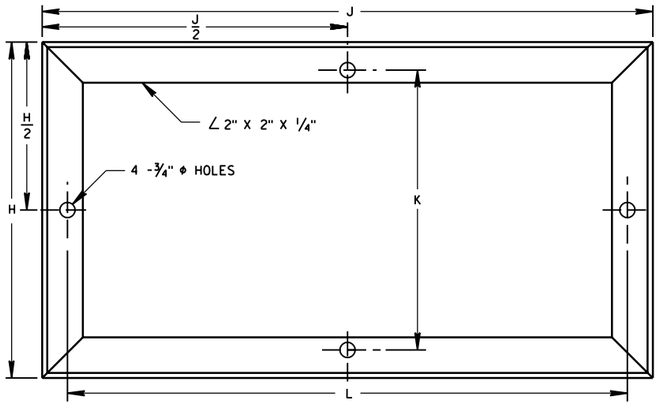
HINGE & DOOR HOLDER



HOLDER ROD



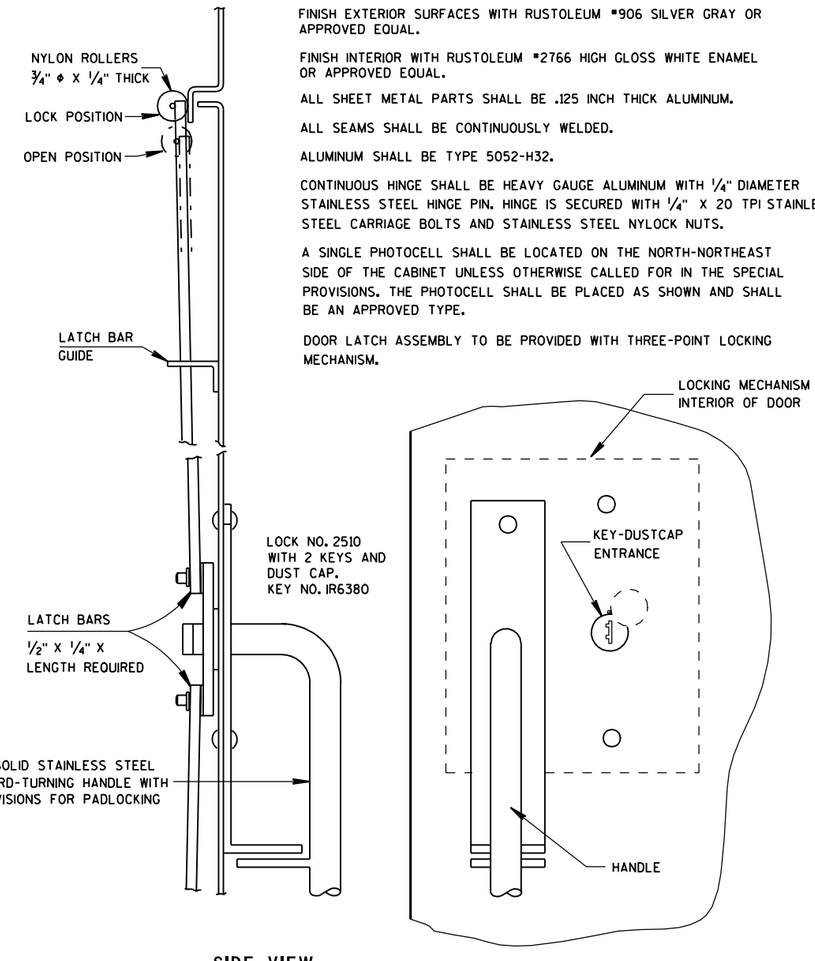
CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

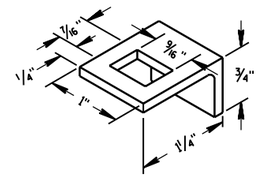
MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

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.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE AN APPROVED TYPE.

DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.

SIGNAL OR LIGHTING CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

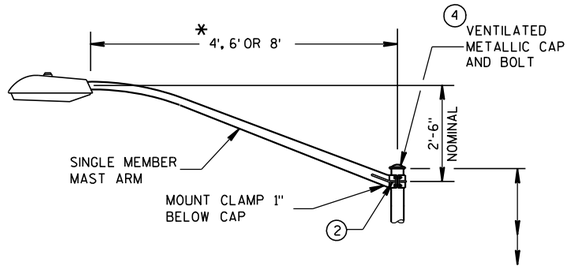
APPROVED
10/21/96
DATE
FHWA

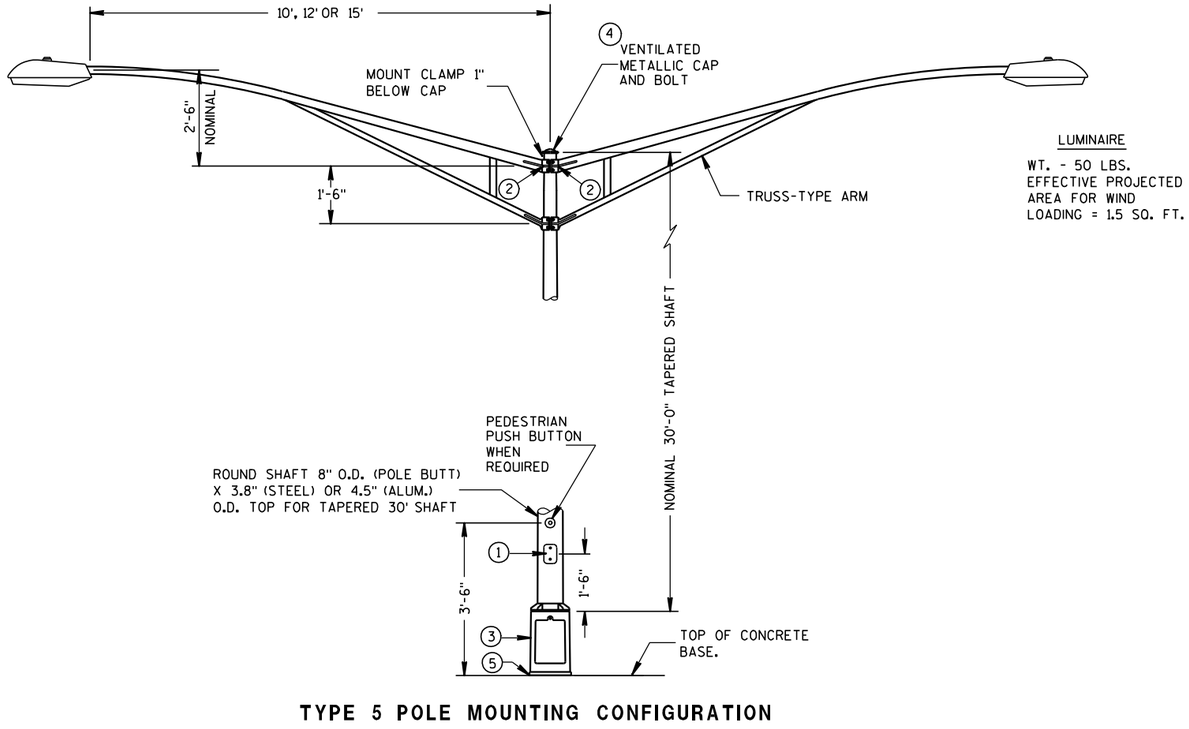
STATE ELECTRICAL ENGINEER FOR HIGHWAYS

6

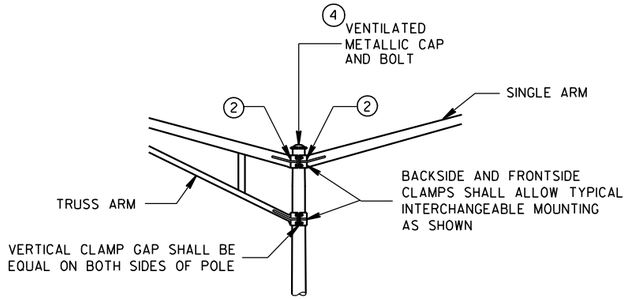
S.D.D. 9 D 2-2

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

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

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

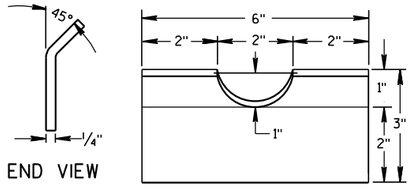
WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

1. 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.
2. GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.
3. CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.
4. FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.
5. SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

POLE MONTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

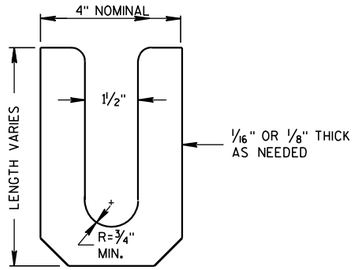
6
S.D.D. 9 E 1-11d



FRONT VIEW

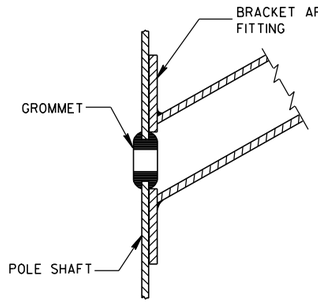
RECTANGULAR CLAMP SHIM

(4 TO A SET)

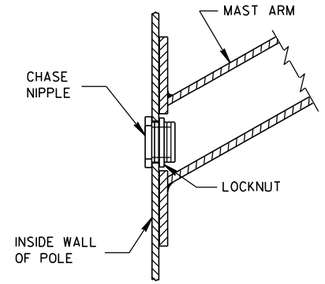


LEVELING SHIM (15)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

(10.) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11.) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

(12.) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13.) OUTSIDE SHIM DIAMETER - (4.5" O.D. FOR LUMINAIRE MAST ARM)
(6.625" O.D. FOR TROMBONE MAST ARM)

(14.) VARIABLE SHIM THICKNESS - (0.10", 0.25", 0.35", 0.53" OR 0.70")

SHIM THICKNESS FOR TROMBONE MAST ARMS MAY BE TYPICALLY 0.25", 0.35", 0.53" OR 0.70".

SHIM THICKNESS FOR LUMINAIRE MAST ARMS MAY BE TYPICALLY 0.10", 0.25" OR 0.35".

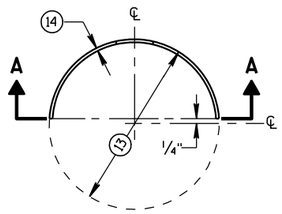
SHIM MATERIAL SHALL BE ALUMINUM ALLOY.

SHIM THICKNESS SHALL BE IMPRESSED INTO EACH SHIM. NUMERALS SHALL BE 1/4" HIGH AND LEGIBLE.

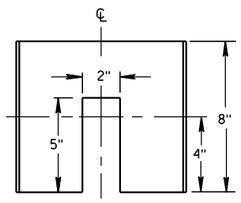
THE CONTRACTOR SHALL SUBMIT TWO COPIES OF ALL SHIM SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.

(15.) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



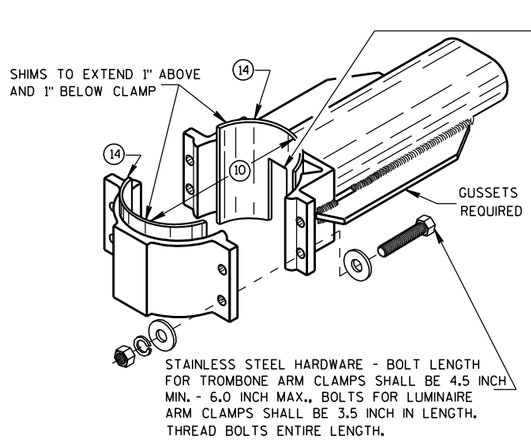
PLAN VIEW



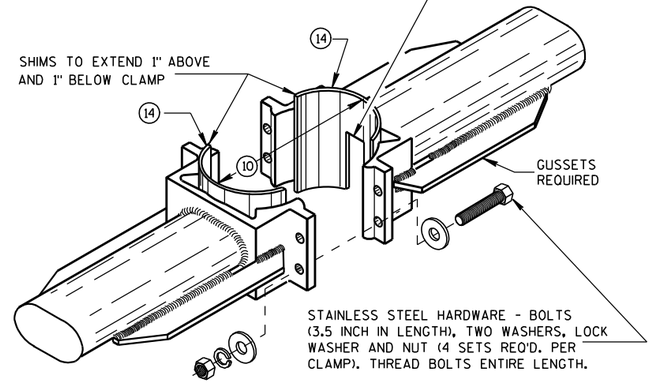
SECTION A-A

CIRCULAR CLAMP SHIM

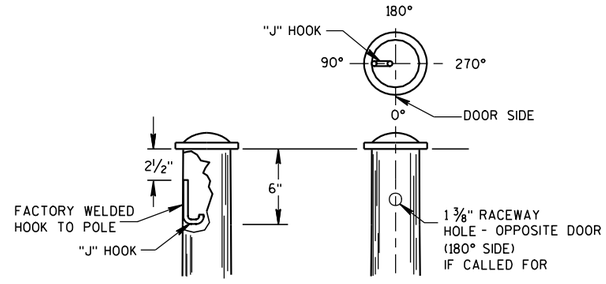
(2 TO A SET)



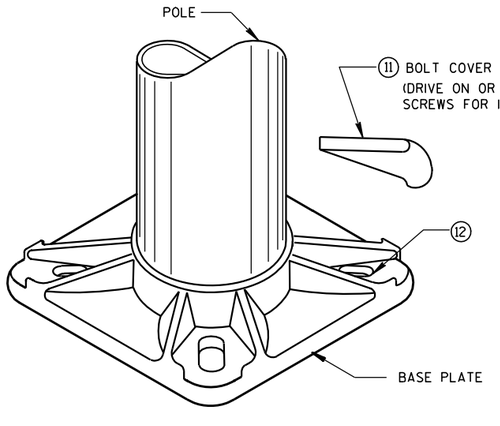
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



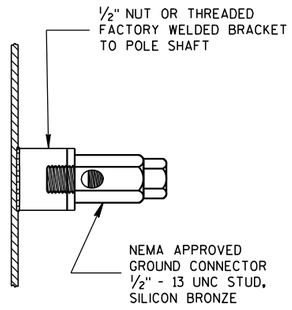
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

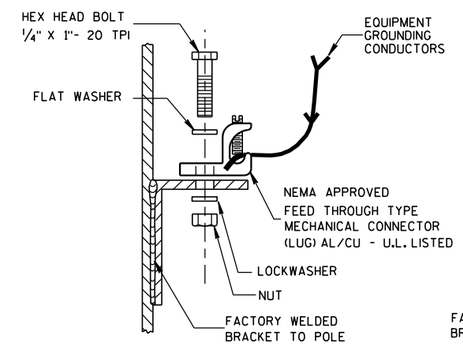


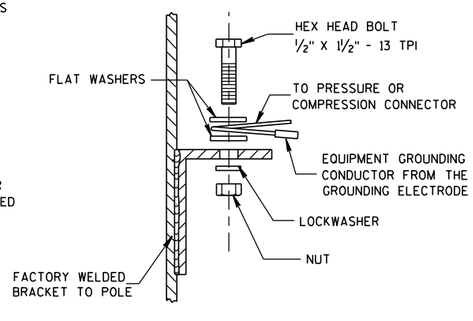
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/2/11 — DATE

/S/ Thomas J. Goerlinger — STATE ELECTRICAL ENGI

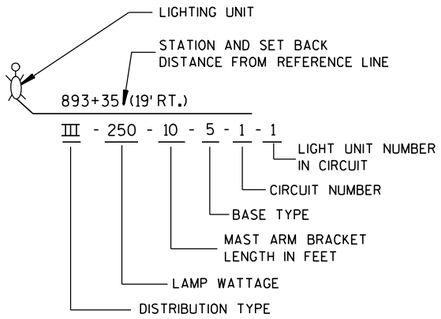
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HWYS

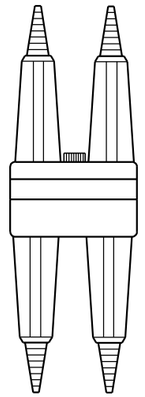
FHWA

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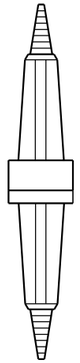
S.D.D. 9 E 1-11g



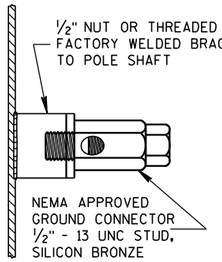
LIGHTING UNIT CODE
(TYPICAL)

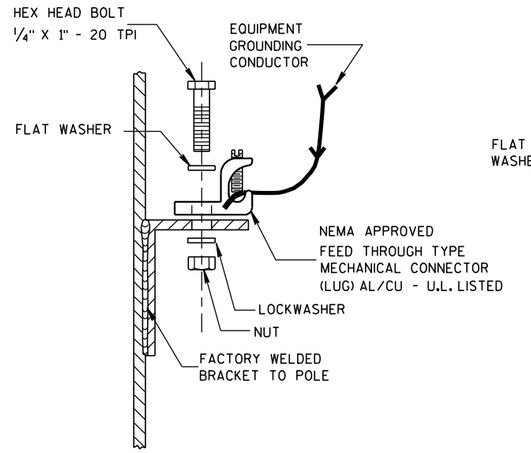


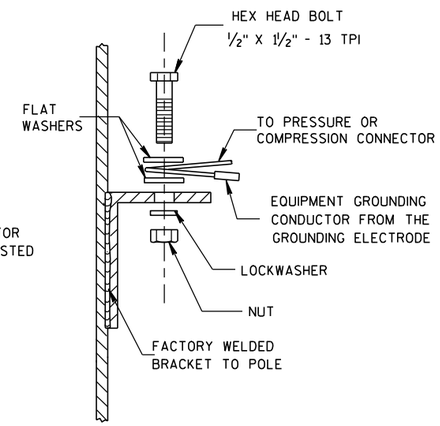
DETAIL "A"
BREAKAWAY
DOUBLE POLE WITH
WATERPROOF
INSULATING BOOT



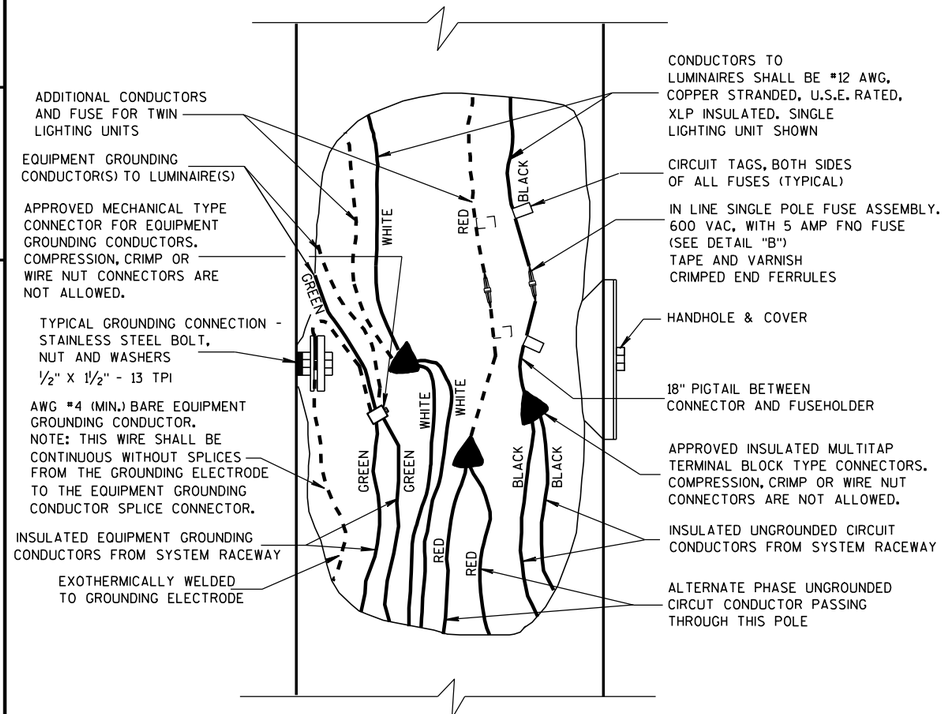
DETAIL "B"
BREAKAWAY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



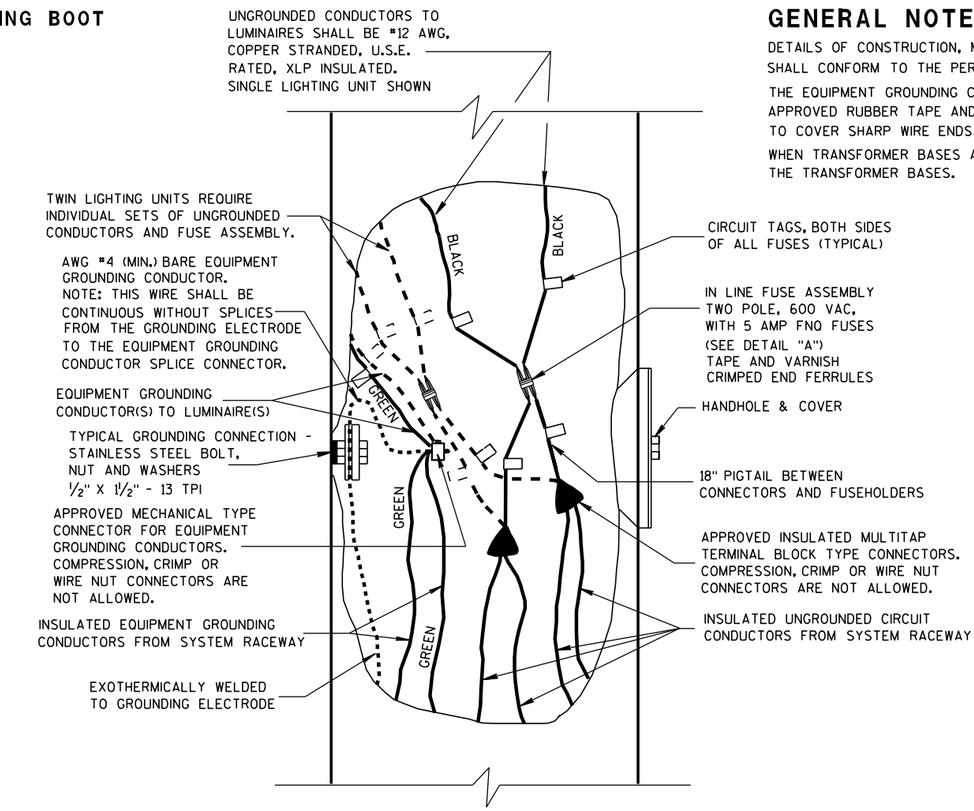




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



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

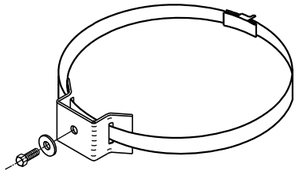
3/2/2011 — DATE

/S/ Thomas J. Gosnell — STATE ELECTRICAL ENGI

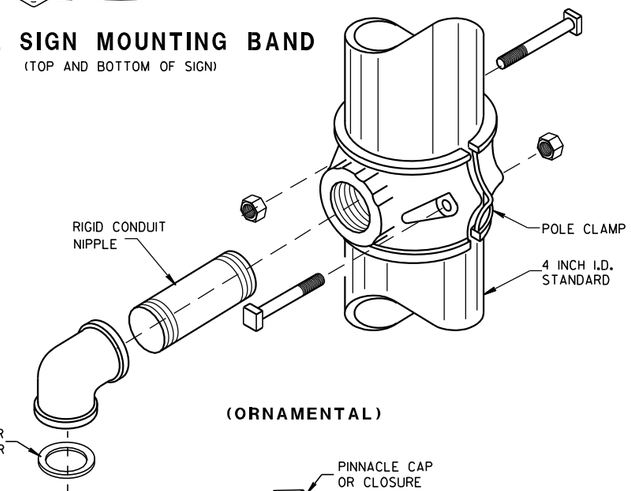
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HWYS

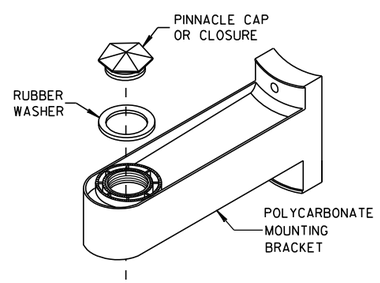
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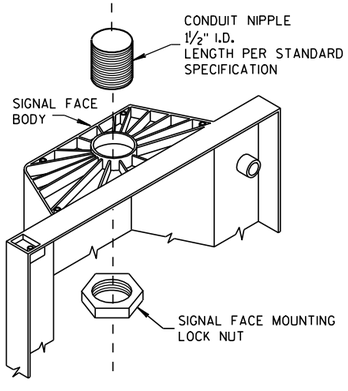
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



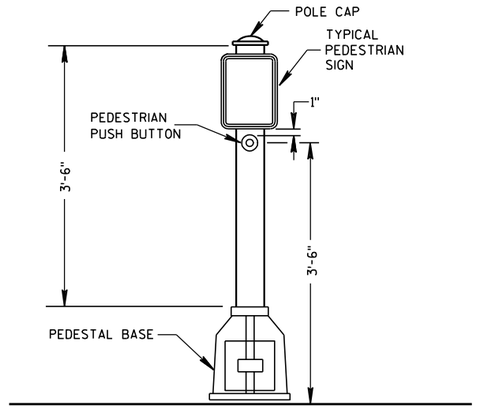
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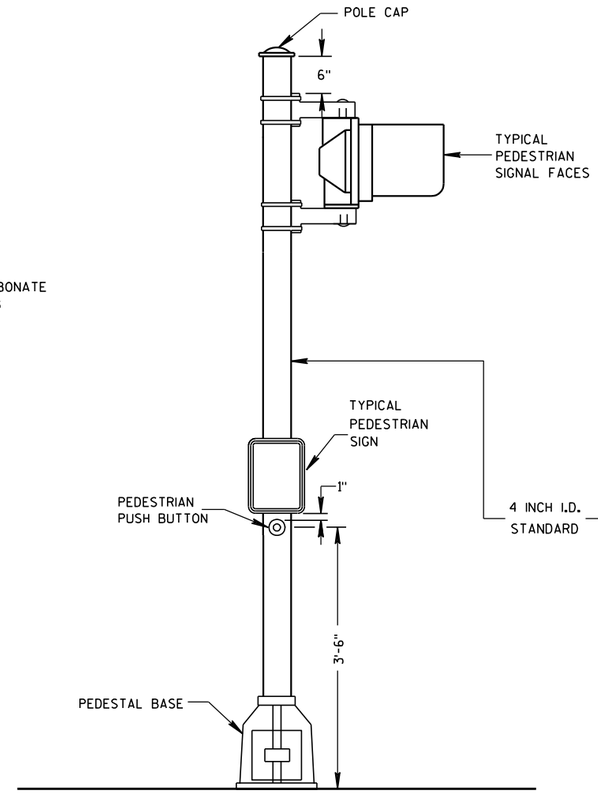
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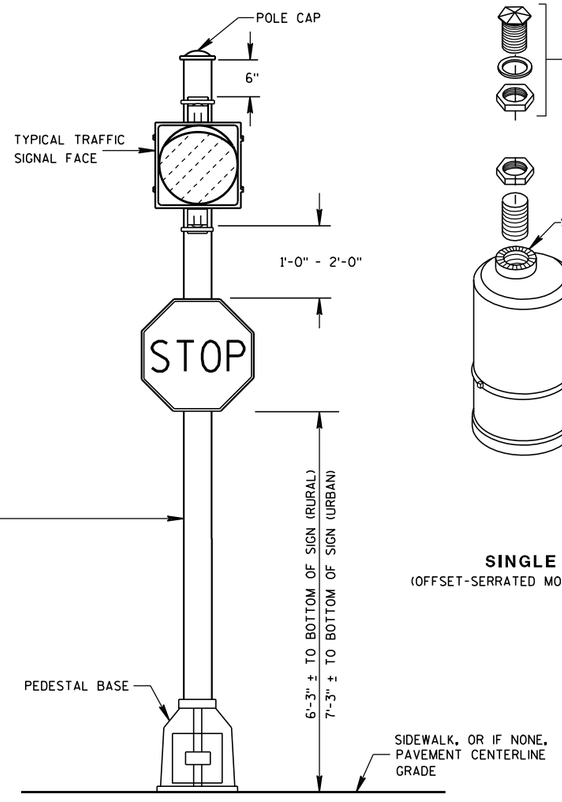
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD-10 FT.
(WALK-DON'T WALK)



STANDARD FLASHER.
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

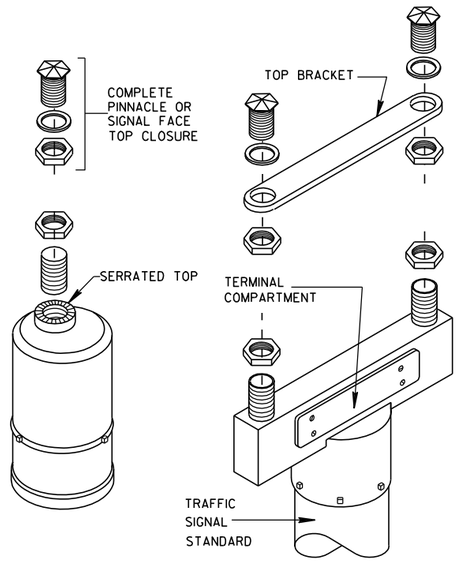
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SINGLE
(OFFSET-SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

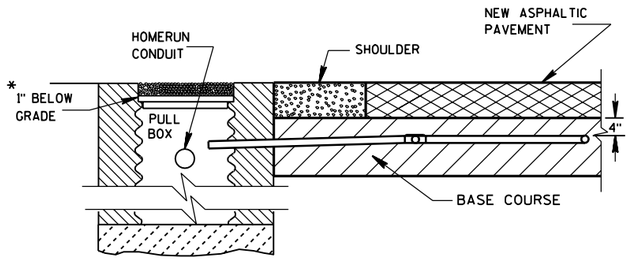
APPROVED
5/11/10
DATE
/S/ John Corbin
STATE ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA

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S.D.D. 9 E 7-5

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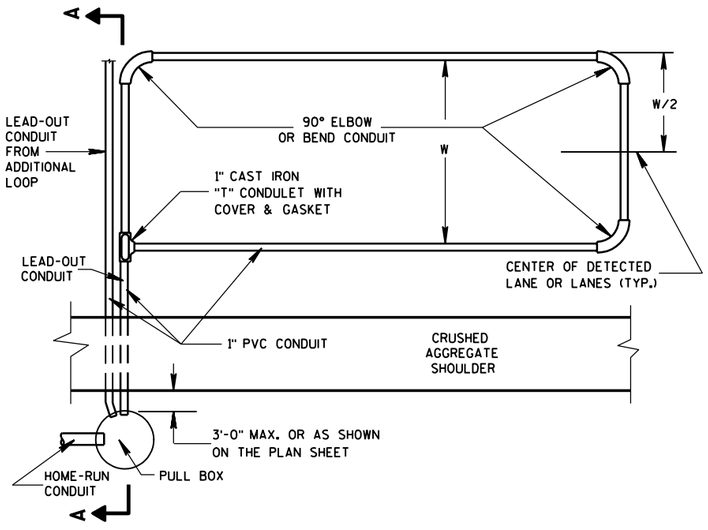
S.D.D. 9 E 7-5



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.

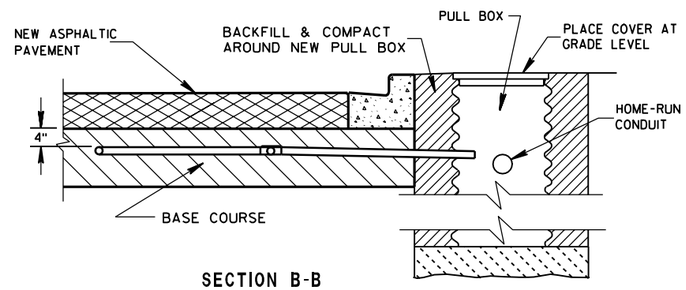
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

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.

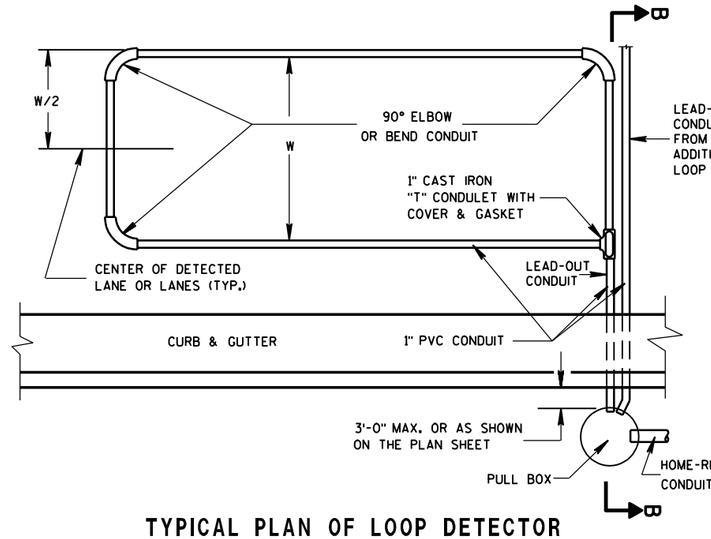
SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT 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 Ananthanarayanan — STATE ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA

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S.D.D. 9 F 8-3

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S.D.D. 9 F 8-3

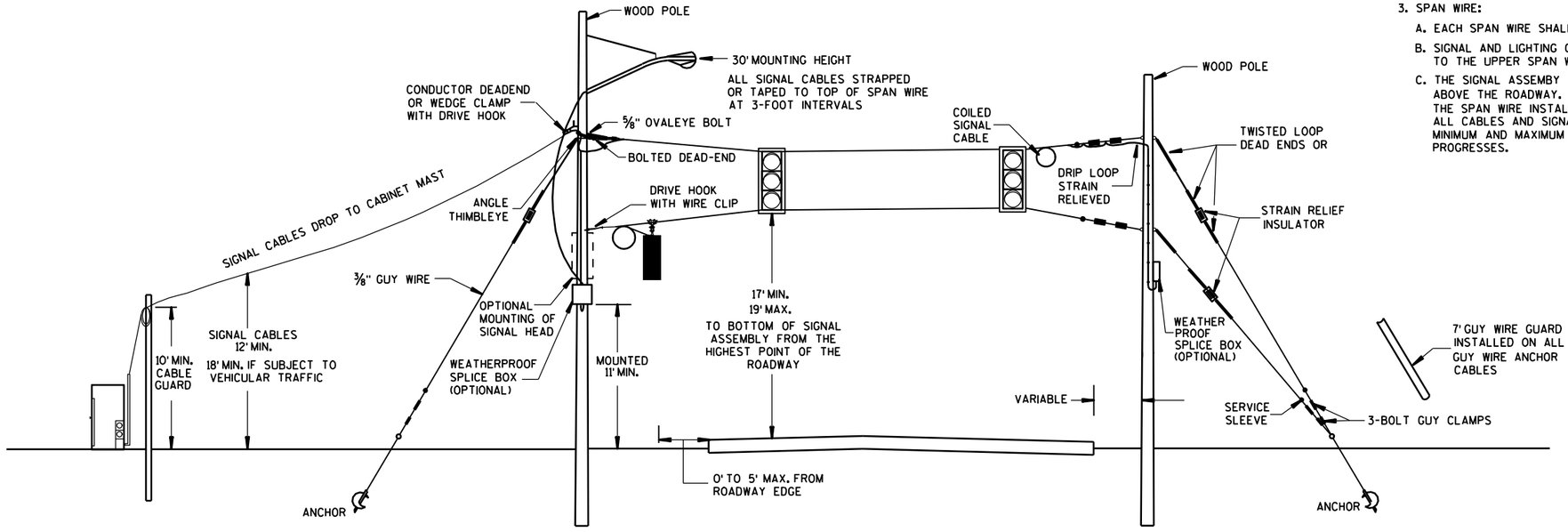
GENERAL NOTES

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'

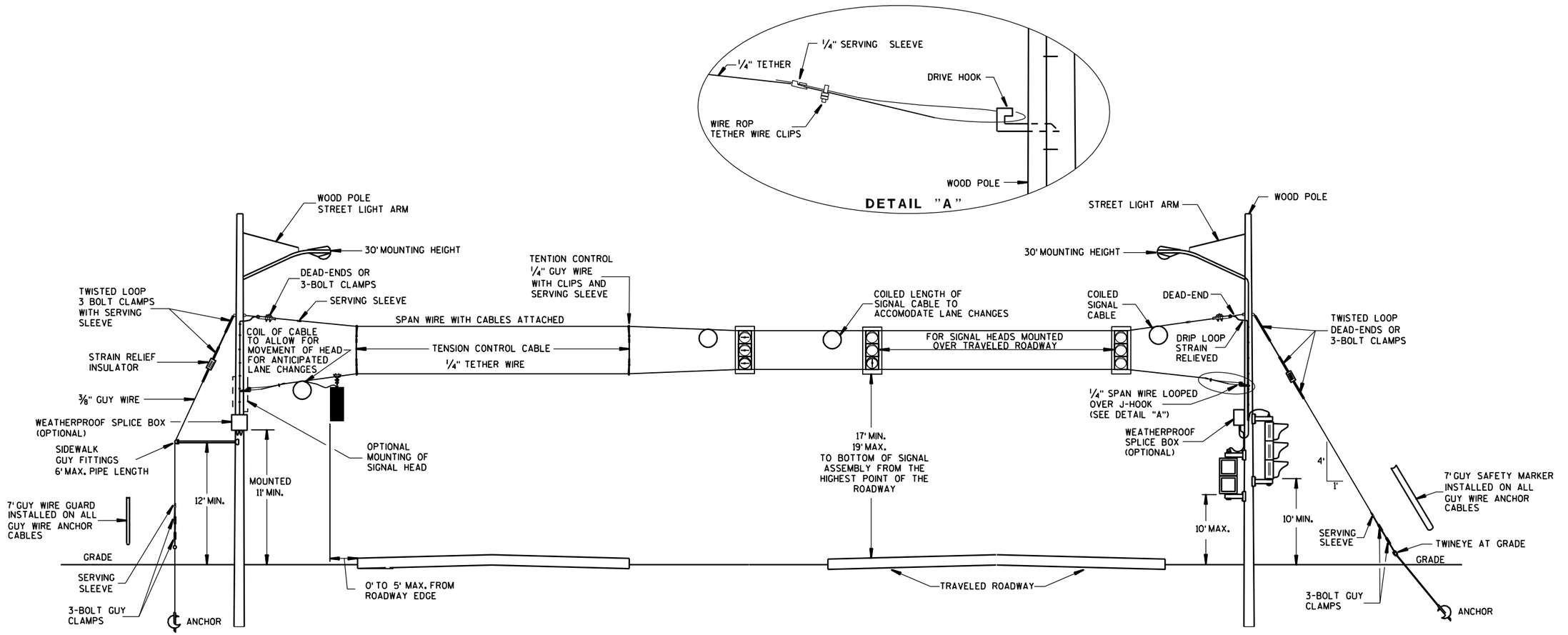
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 — DATE
/S/ Balu Ananthanarayanan — CHIEF ELECTRICAL ENGINEER FOR HIGHWAYS
FHWA

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S.D.D. 9 G 1-30



GENERAL NOTES

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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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 — CHIEF ELECTRICAL ENGINEER FOR HIGHWAYS

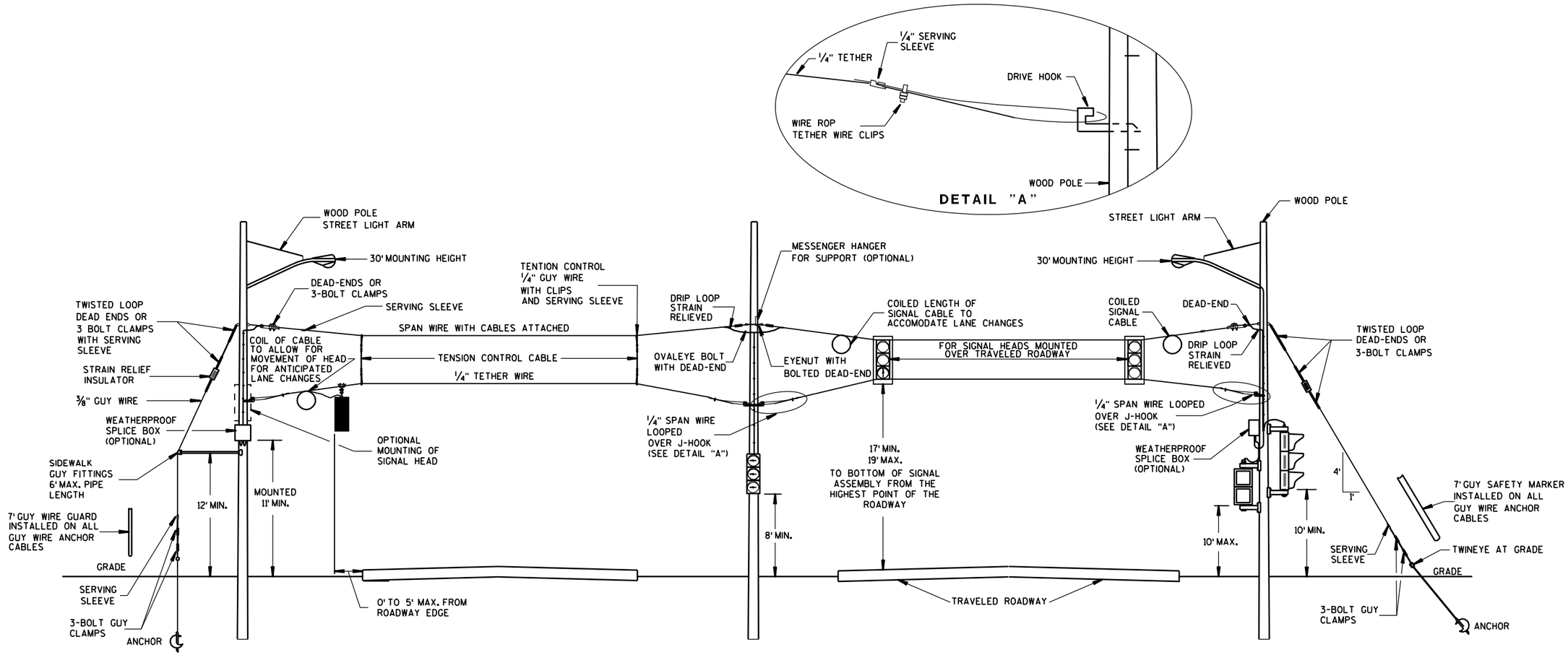
FHWA

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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

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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
CHIEF ELECTRICAL ENGINEER FOR HIGHWAYS

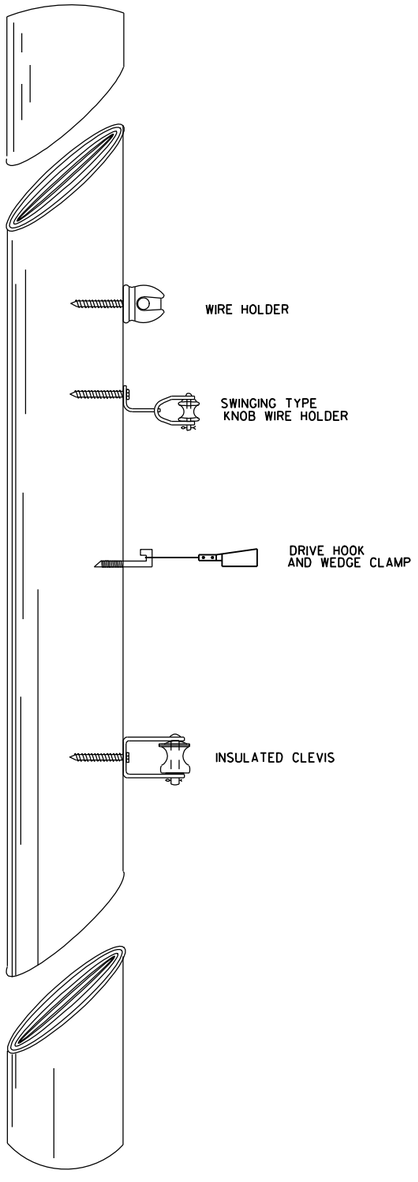
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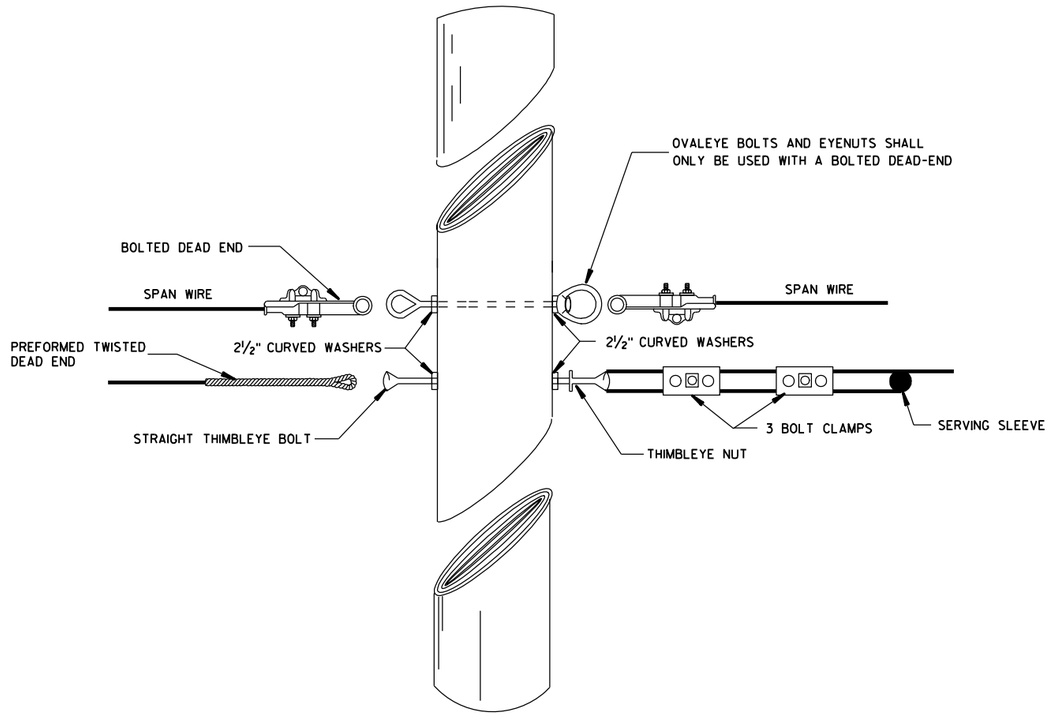
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S.D.D. 9 G 1-3c



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08
DATE

/S/ Balu Ananthanarayanan
CHIEF ELECTRICAL ENGINEER FOR HIGHWAYS

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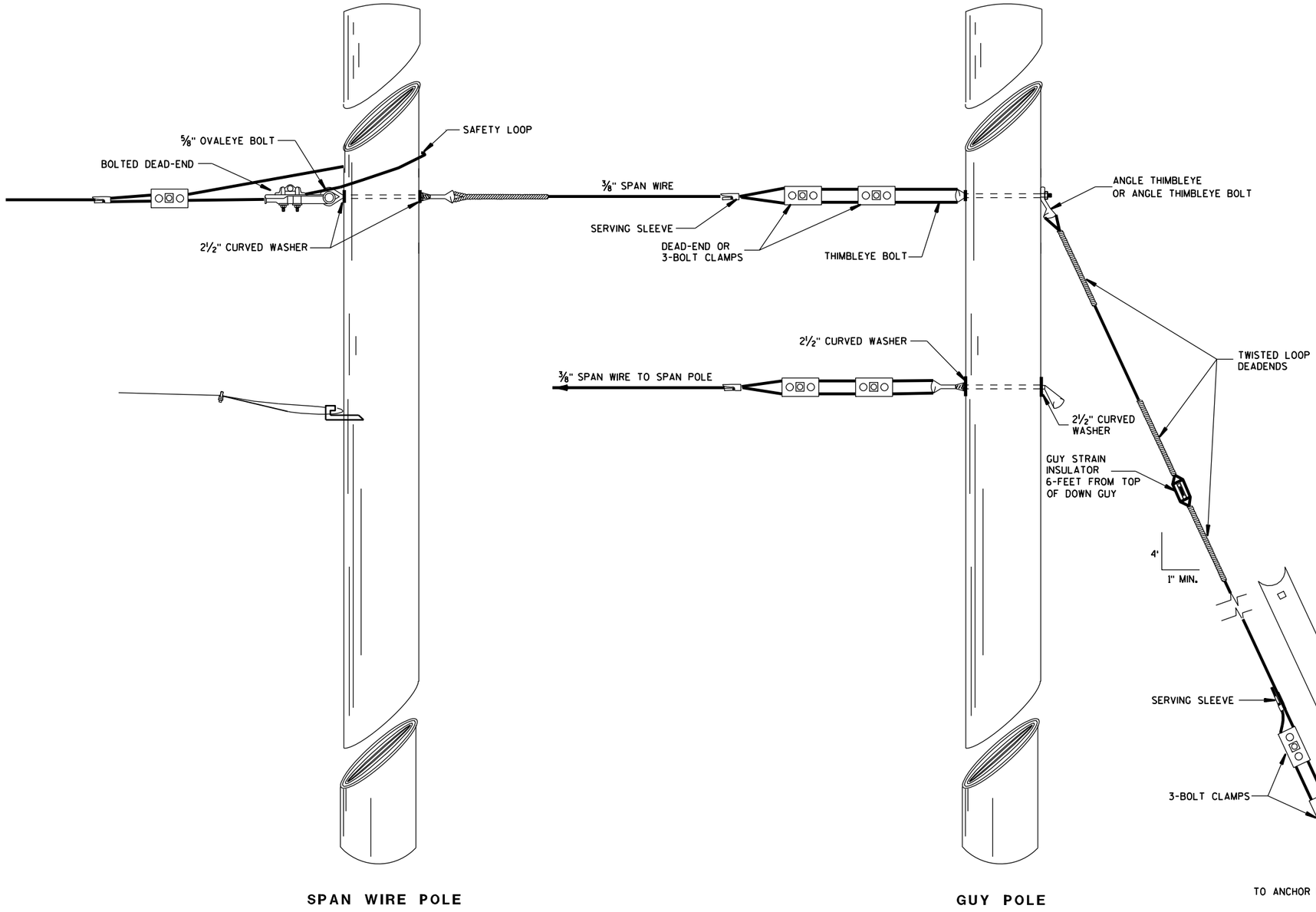
S.D.D. 9 G 1-3d

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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
CHIEF ELECTRICAL ENGINEER FOR HIGHWAYS

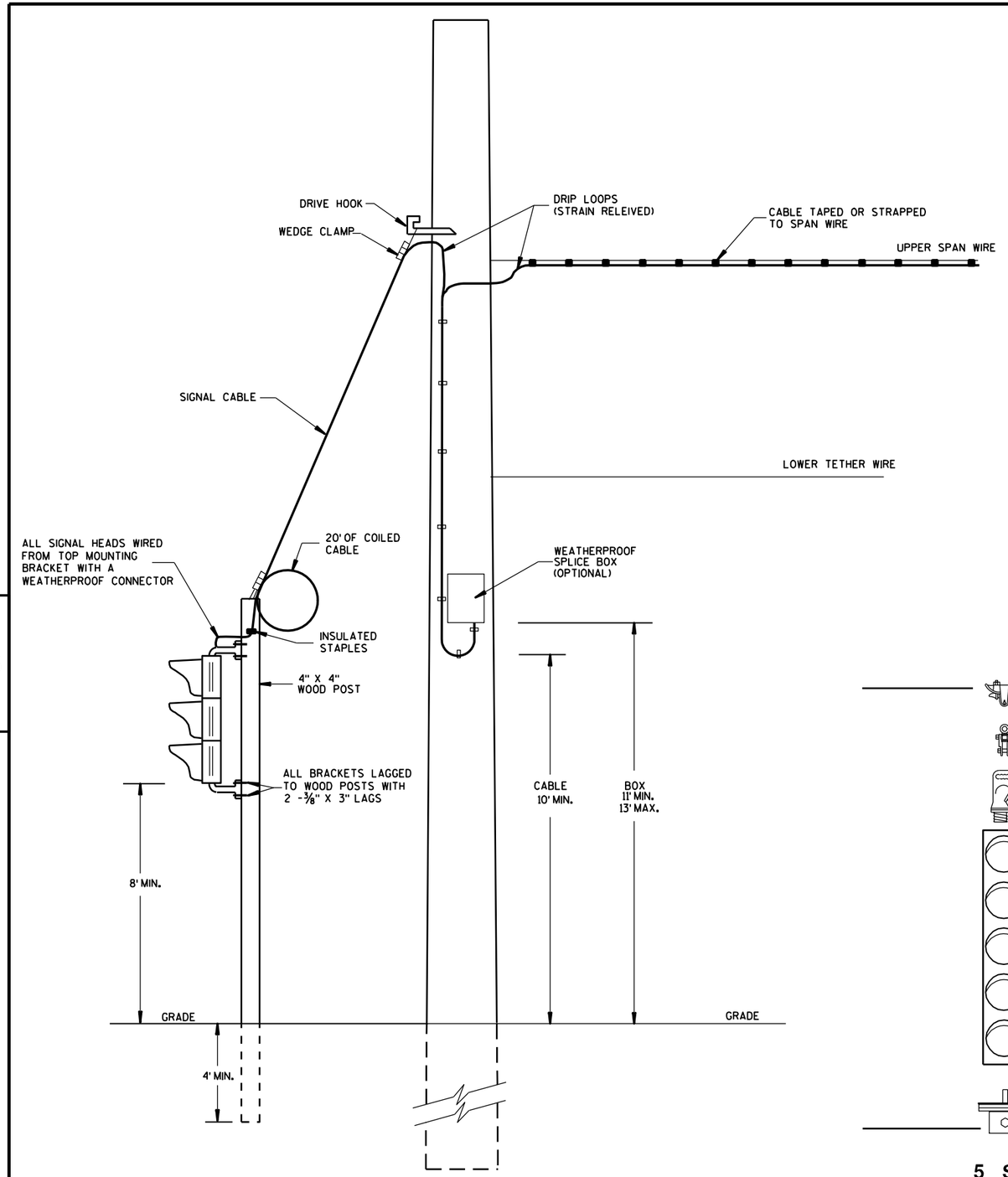
FHWA

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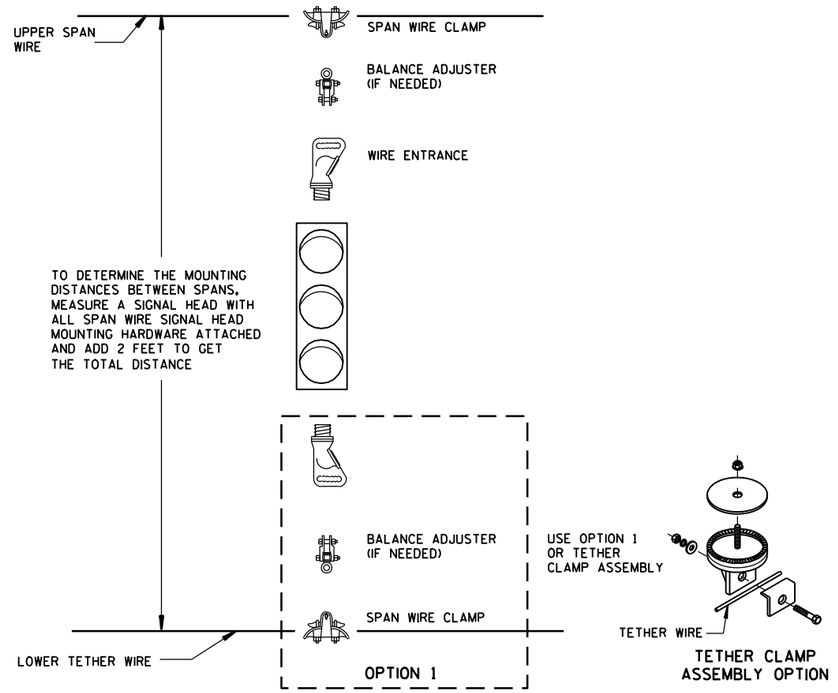
S.D.D. 9 G 1-3e

6

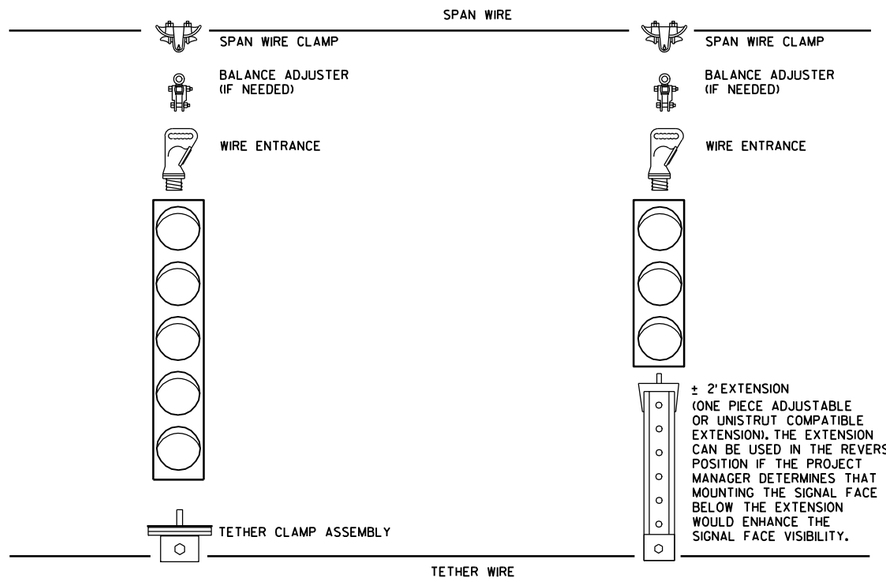
S.D.D. 9 G 1-3e



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	CHIEF ELECTRICAL ENGINEER FOR HIGHWAYS

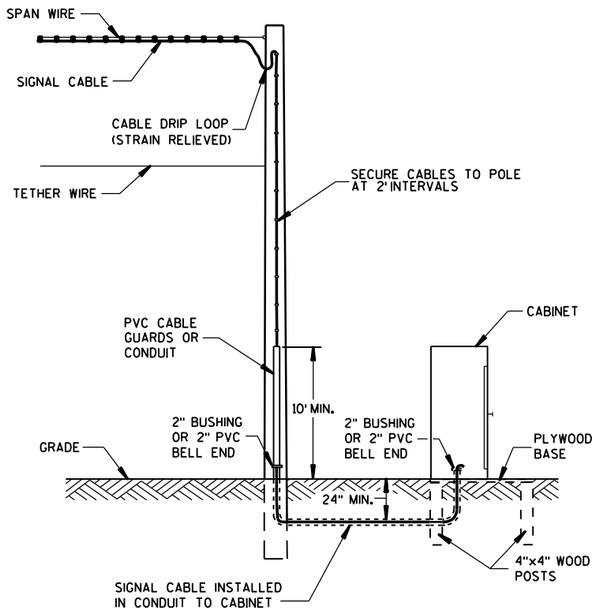
FHWA

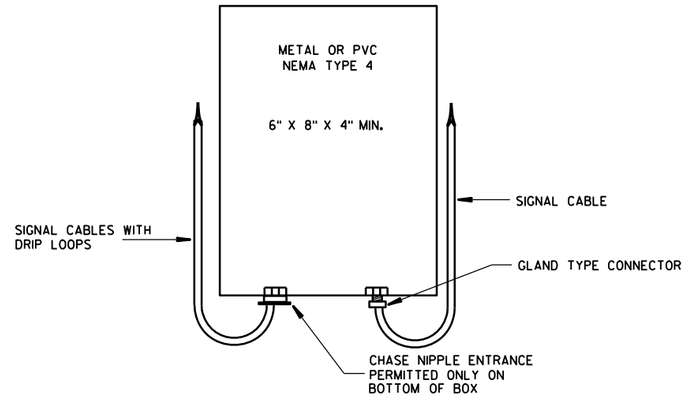
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S.D.D. 9 G 1-3f

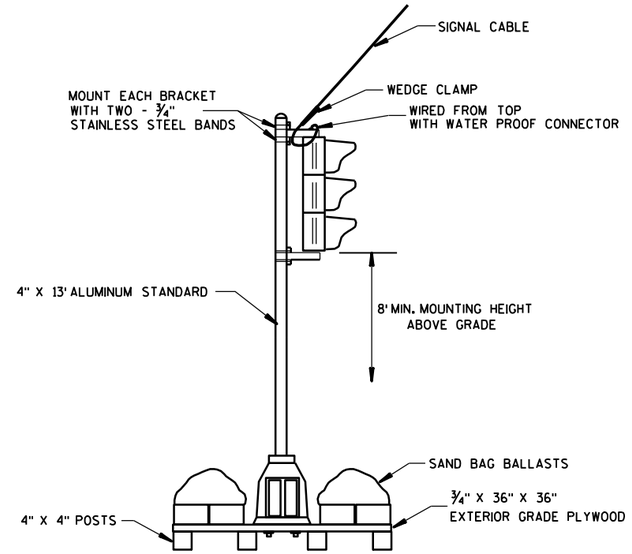
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S.D.D. 9 G 1-3f

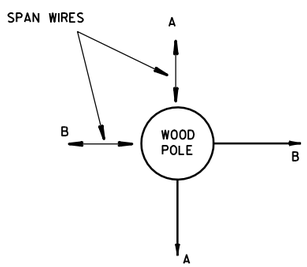




SPLICE BOX

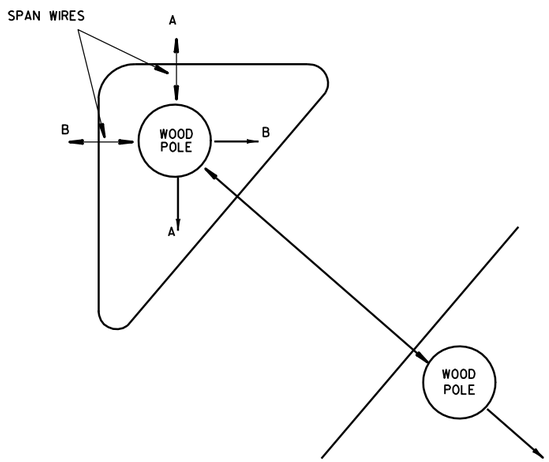


TYPICAL SKID TYPE TEMPORARY

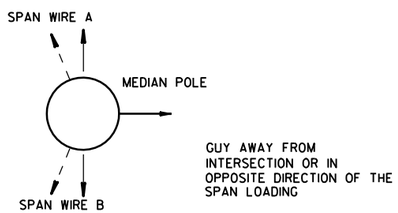


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08
DATE

/S/ Balu Ananthanarayanan
CHIEF ELECTRICAL ENGINEER FOR HIGHWAYS

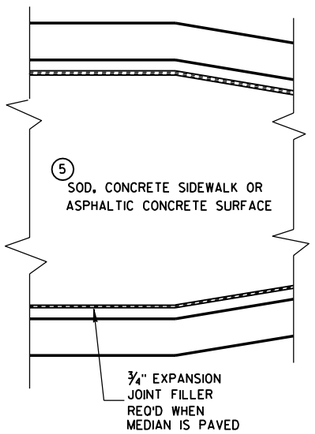
FHWA

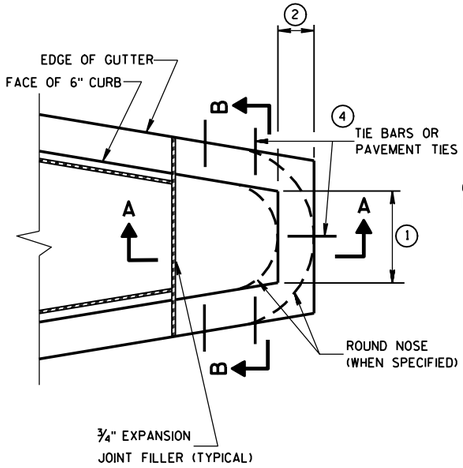
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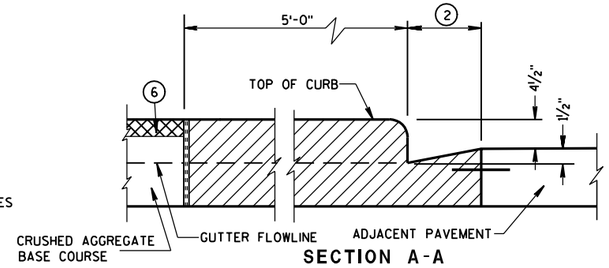
S.D.D. 9 G 1-3g

6

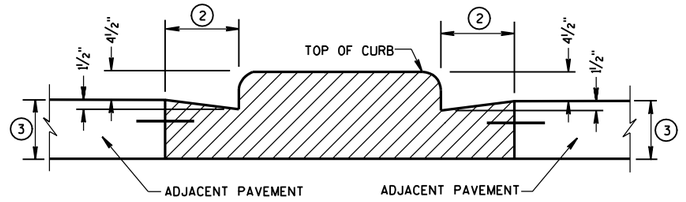
S.D.D. 9 G 1-3g







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.

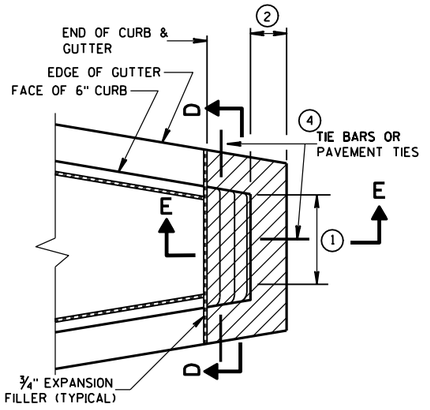
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

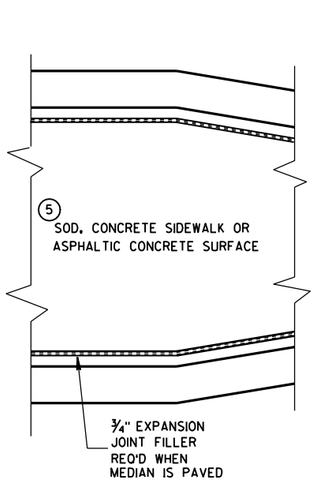
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

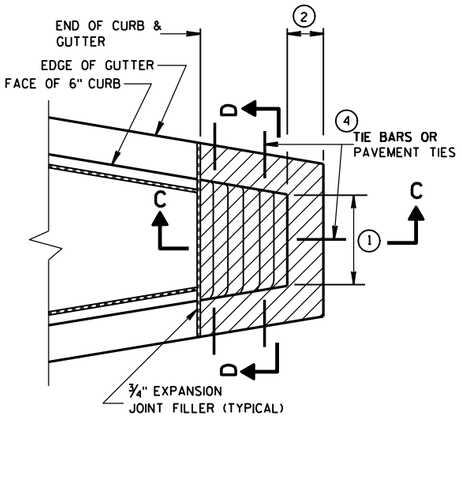
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

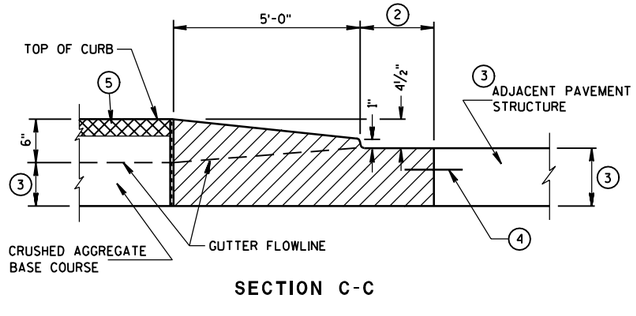
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



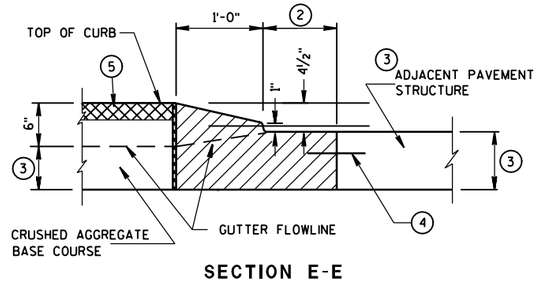




CONCRETE MEDIAN SLOPED NOSE TYPE 1

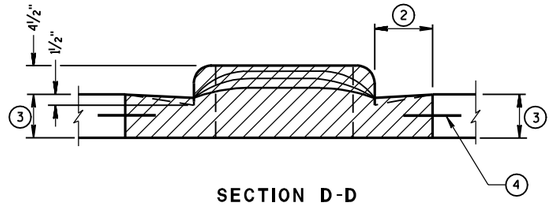


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

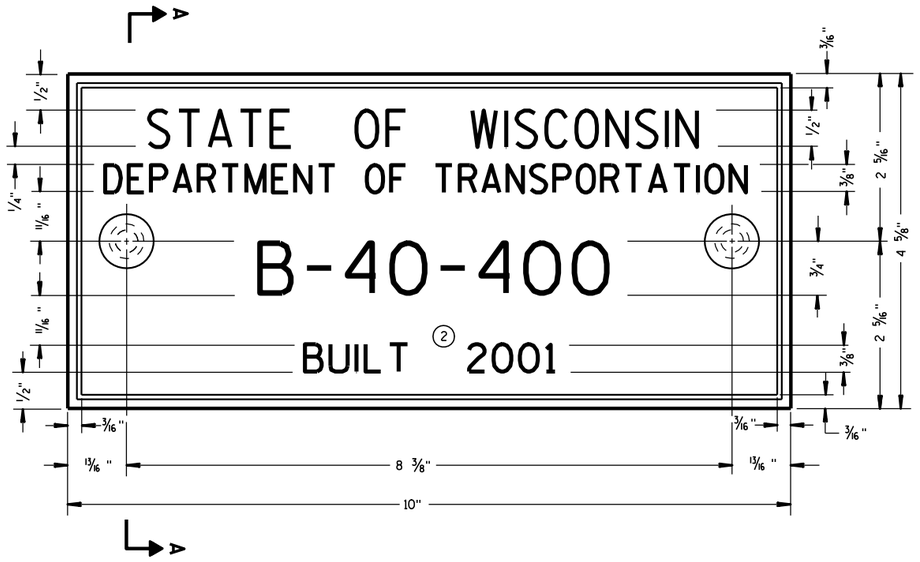
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/06 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 11B 2-2

6

S.D.D. 11B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

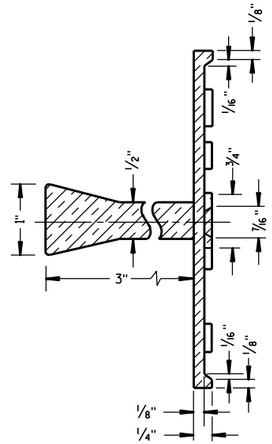
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

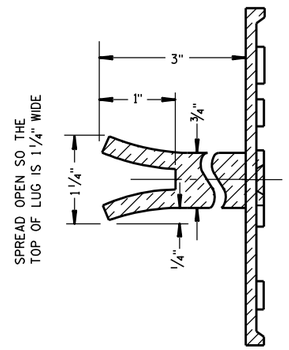
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.

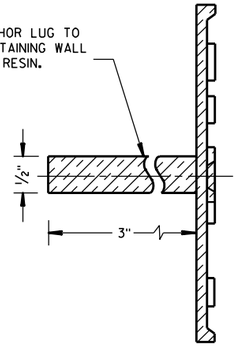


SECTION A-A



ALTERNATE LUG

(1) ADHERE ANCHOR LUG TO PRECAST RETAINING WALL WITH EPOXY RESIN.



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE
(STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/26/10
DATE

/S/ Scot Becker
CHIEF STRUCTURAL DEVELOPMENT ENGINEER

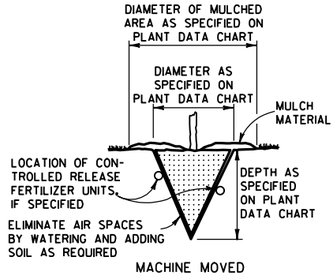
FHWA

6

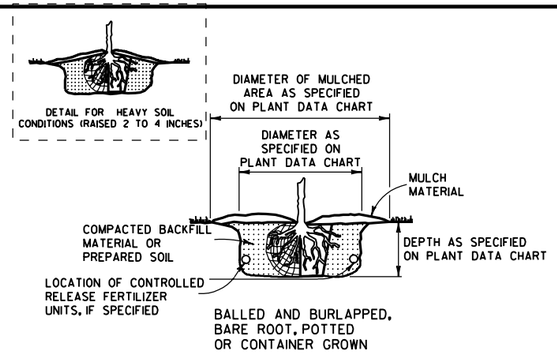
S.D.D. 12 A 3-10

6

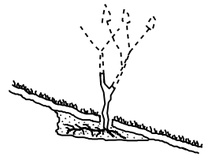
S.D.D. 12 A 3-10



MACHINE MOVED

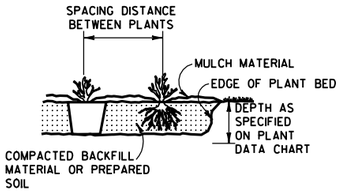


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



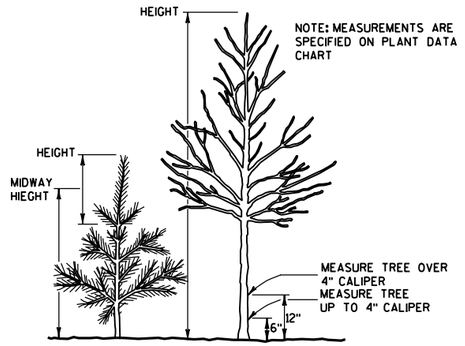
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

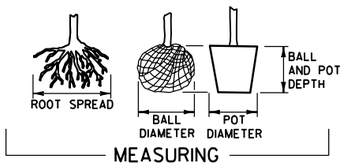
NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



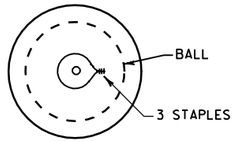
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

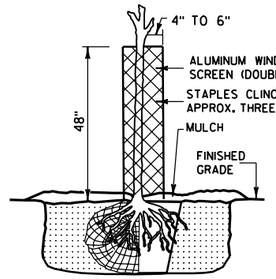




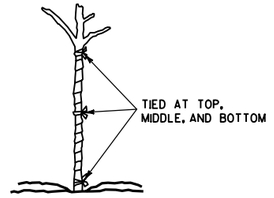
MEASURING



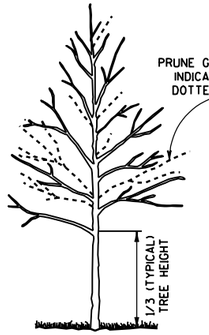
TOP VIEW



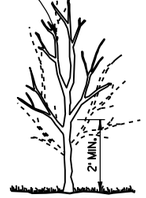
RODENT PROTECTION



WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)



SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)



MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

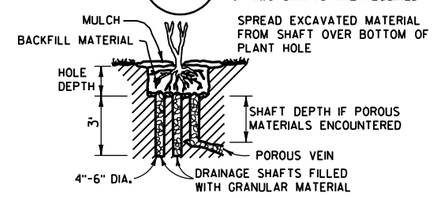


SUMAC



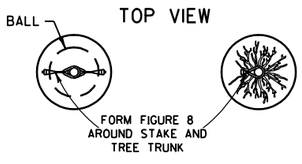
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

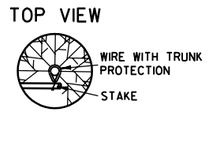
PRUNING



NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

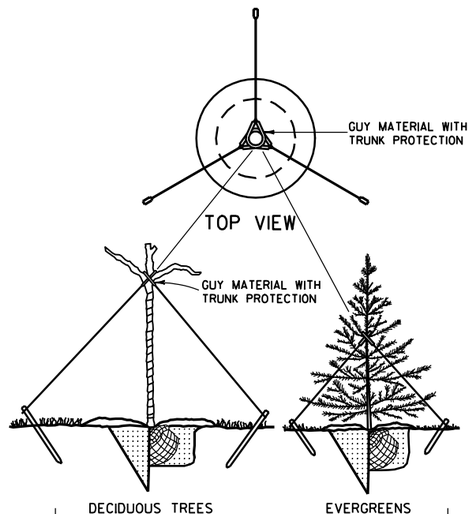
DRAINING



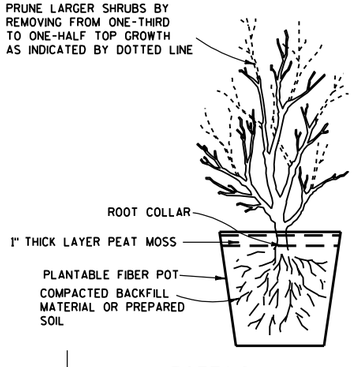


NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94
DATE

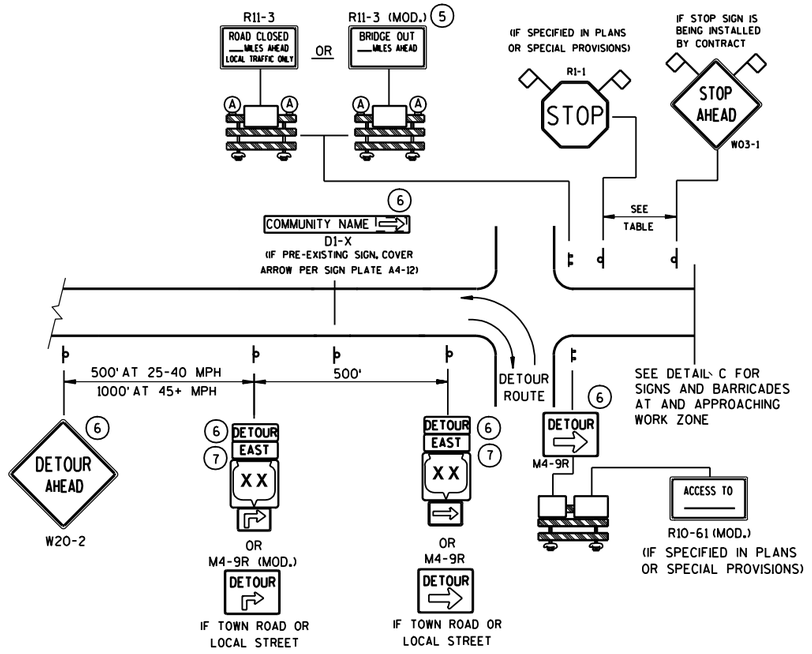
Roy D. Thuemmler
CHIEF METHODS DEVELOPMENT ENGINEER

FHWA

S.D.D. 14 A 2-1

6

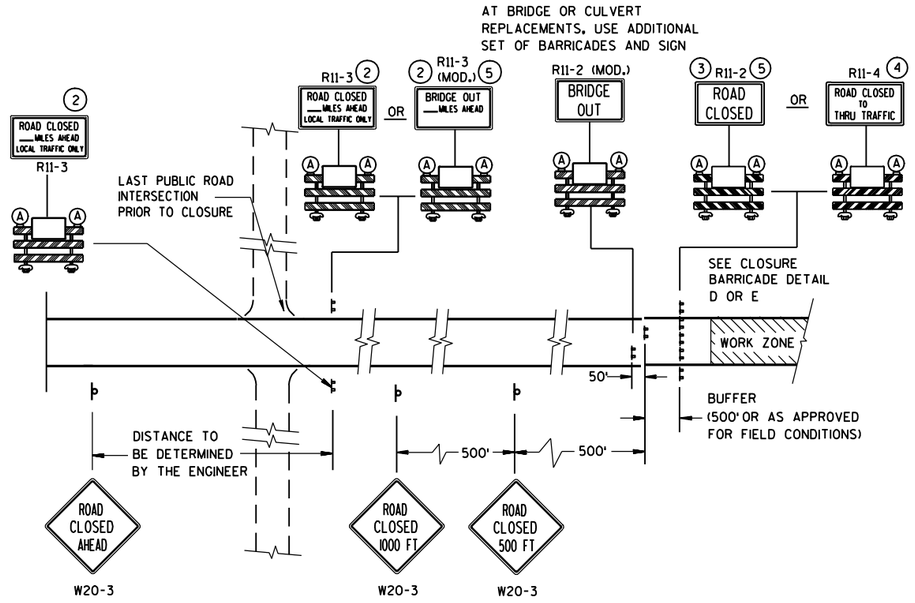
S.D.D. 14 A 2-1



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

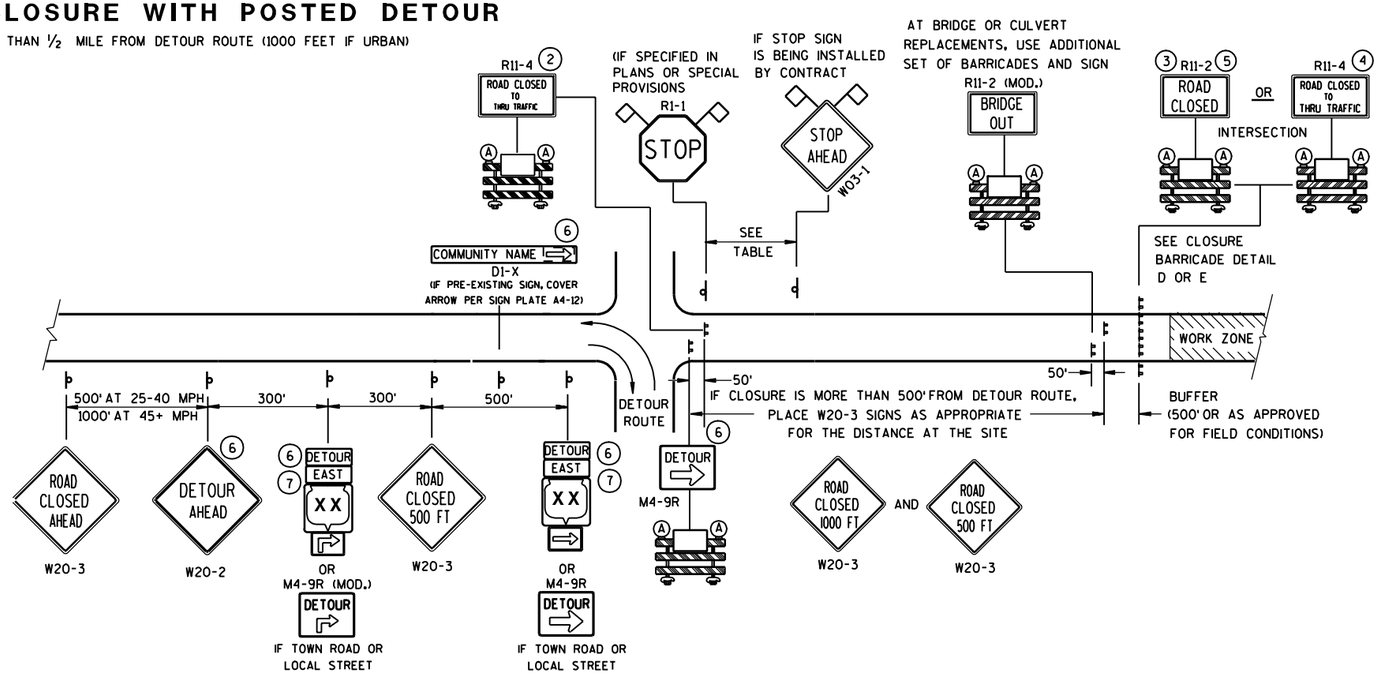


DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-4b
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

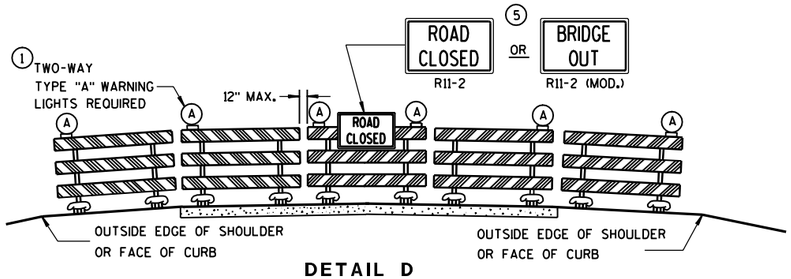
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 2-4a

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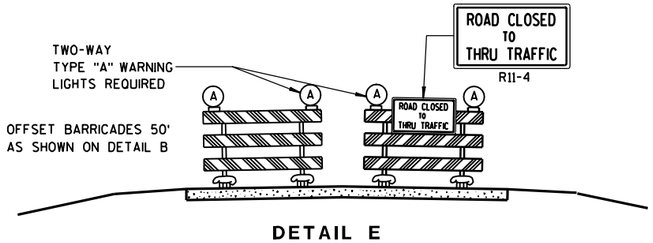
S.D.D. 15 C 2-4a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/16/03
DATE
Thomas N. Nottbohm for
CHIEF SIGNS AND MARKING ENGINEER
FHWA

6
S.D.D. 15 C 2-4b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

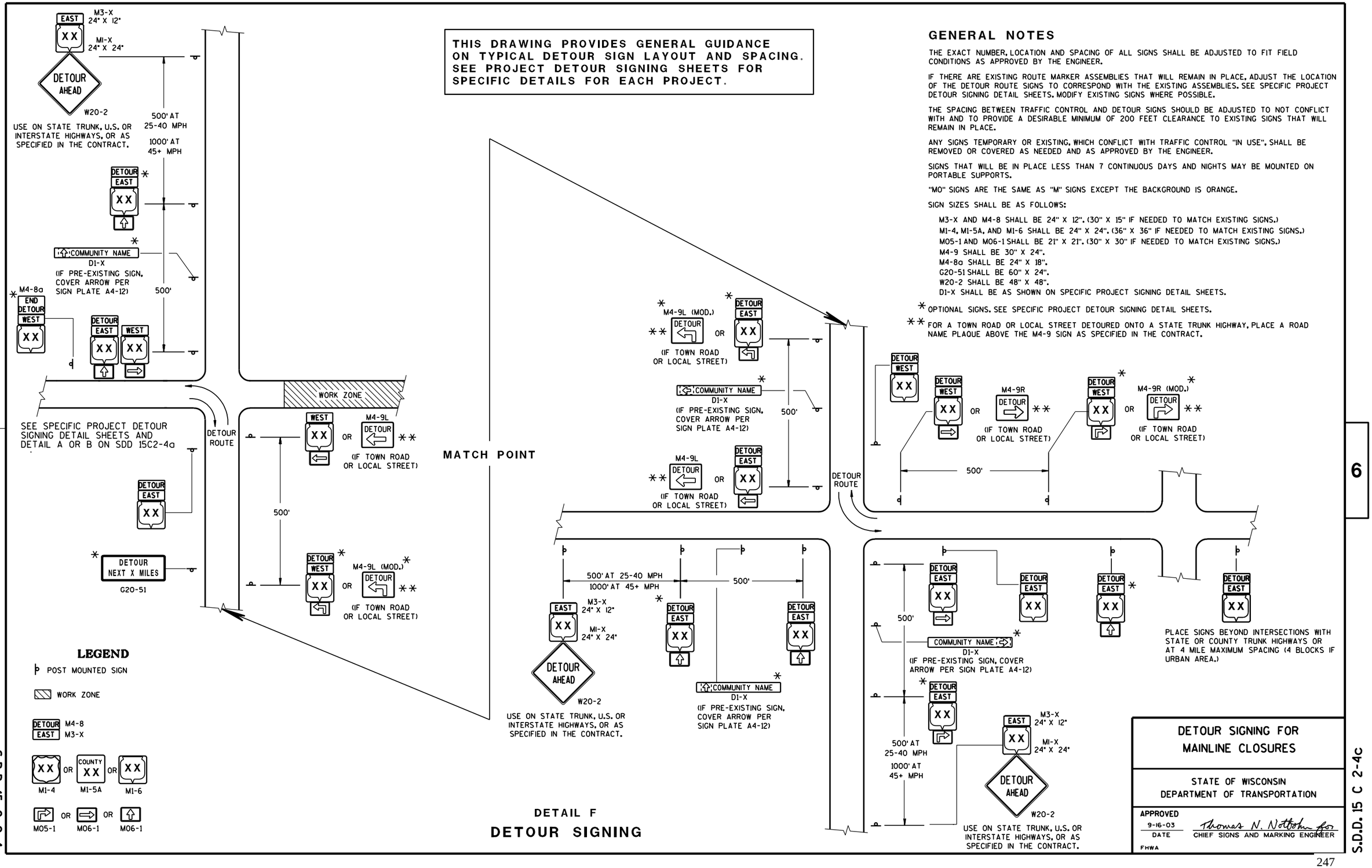
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

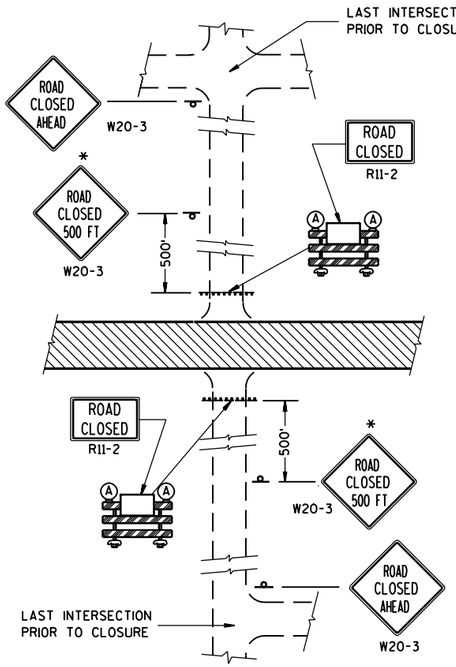
** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETAIL F

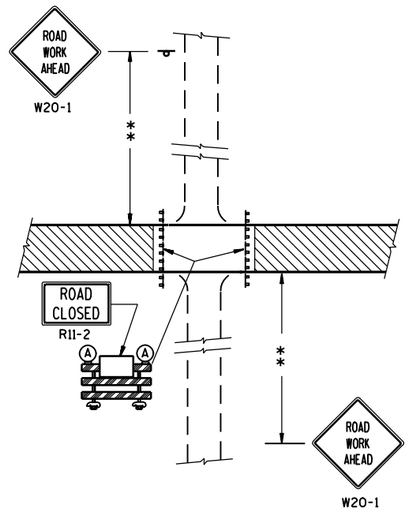
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 9-16-03 DATE	Thomas N. Nottbohm for CHIEF SIGNS AND MARKING ENGINEER
FHWA	



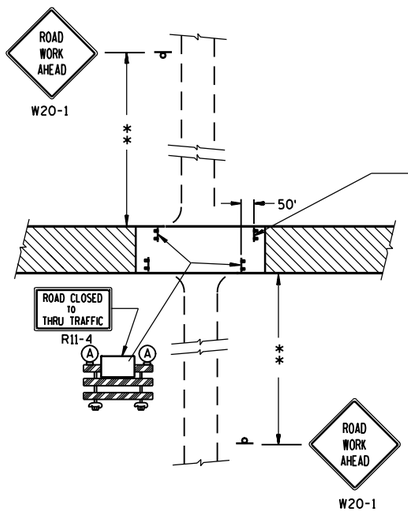
DETAIL 1

(NO ACCESS TO PROJECT)



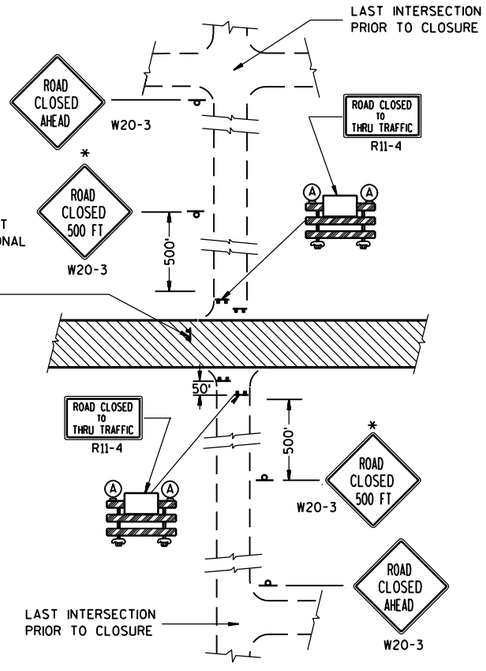
DETAIL 2

(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

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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.

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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.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

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

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-16-03
DATE

Thomas N. Notbohm for
CHIEF SIGNS AND MARKING ENGINEER

FHWA

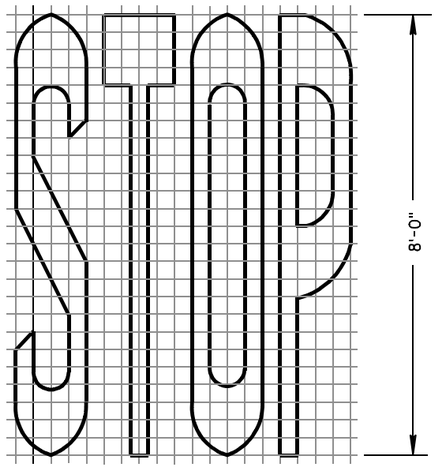
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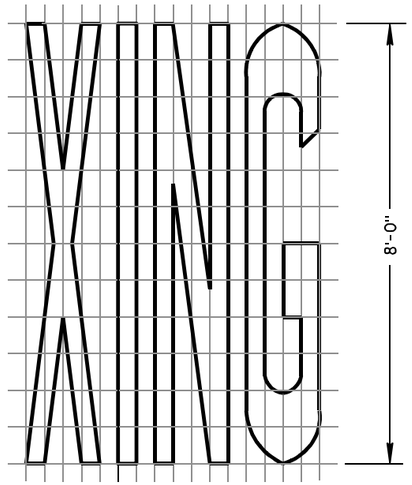
S.D.D. 15 C 3-1

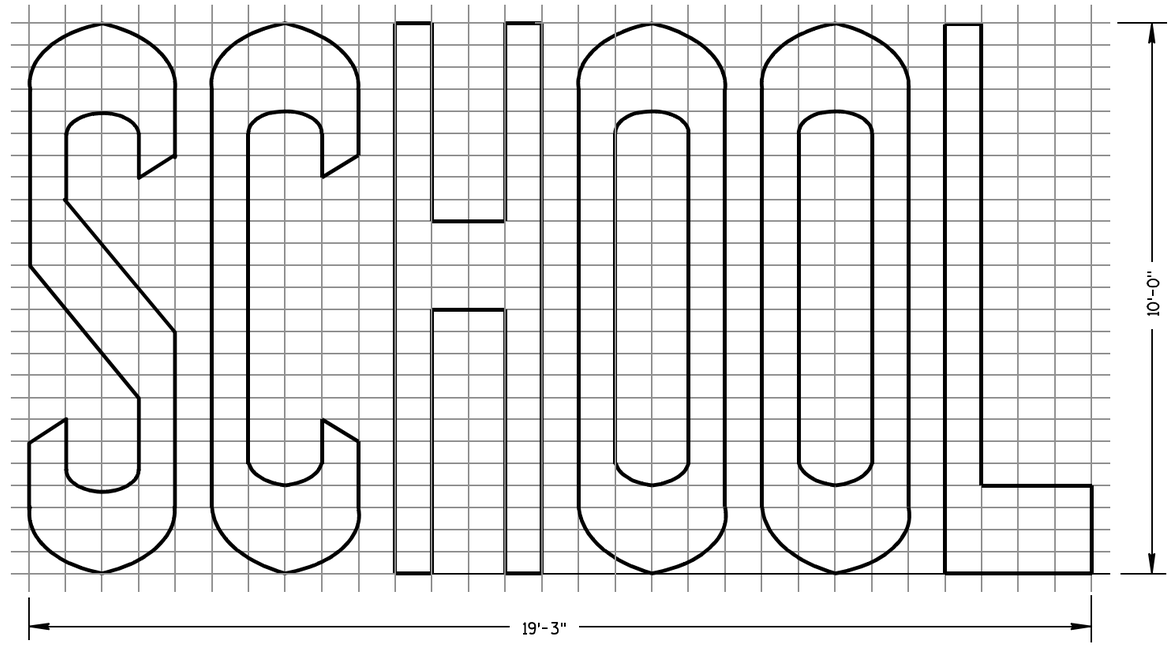
GENERAL NOTES

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

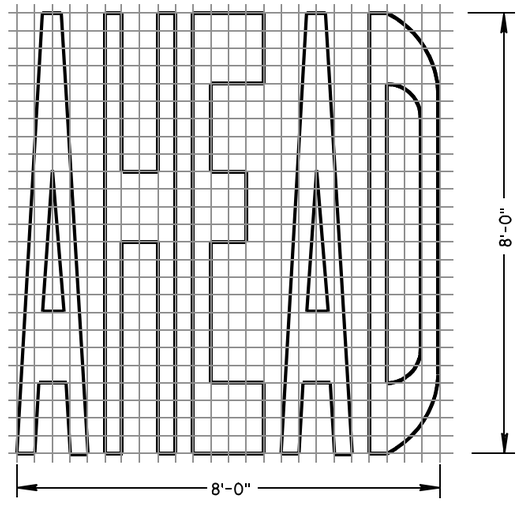
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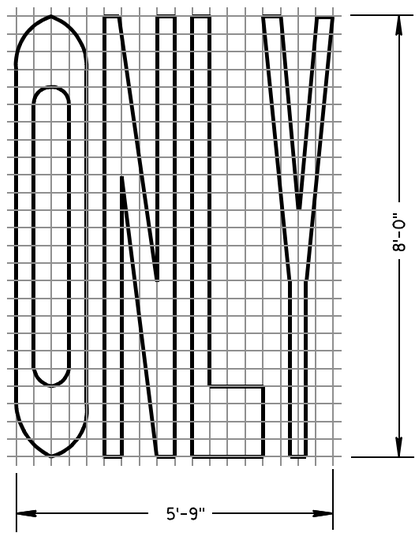


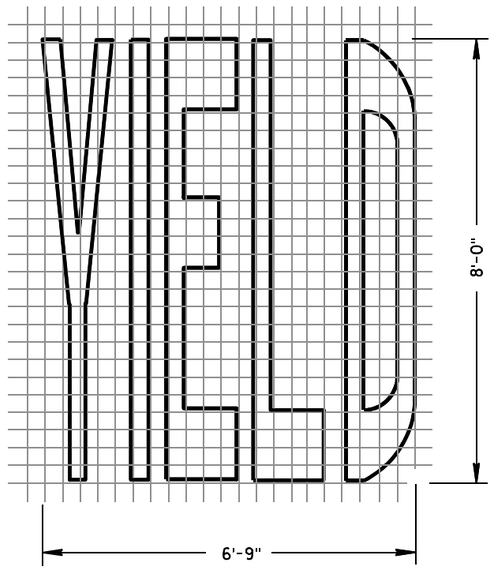


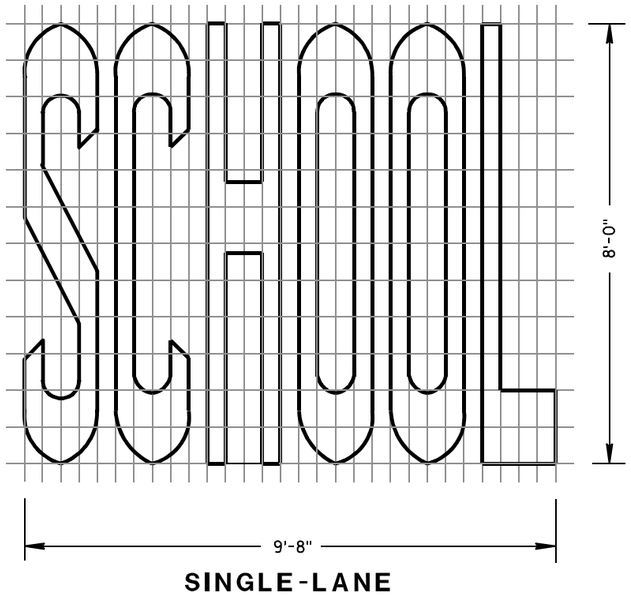


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-10 — DATE
/S/ Thomas N. Notbohm — STATE TRAFFIC ENGINEER OF DESIGN
FHWA

6

S.D.D. 15 C 7-11b

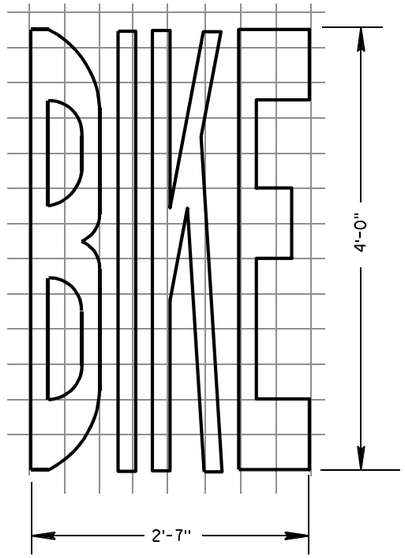
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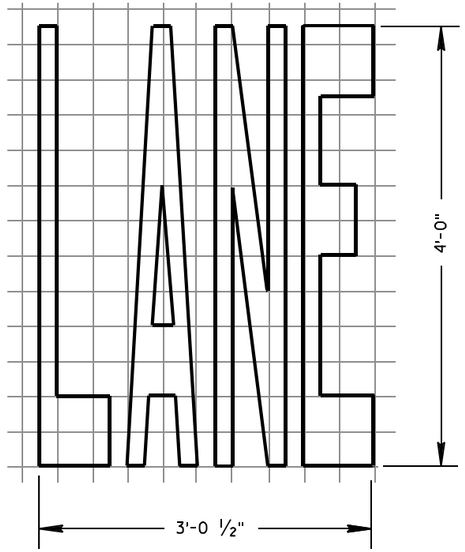
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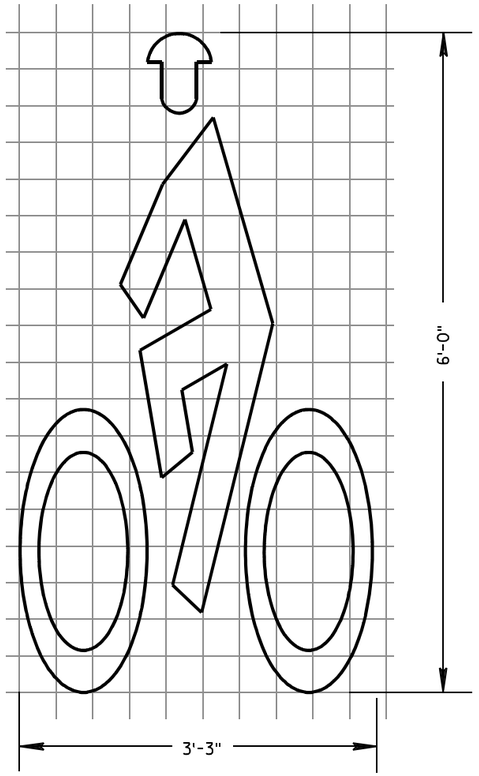
GENERAL NOTES

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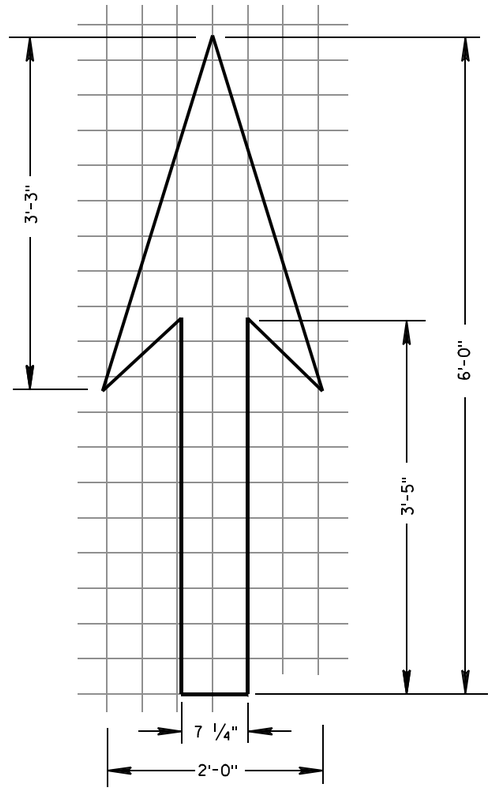
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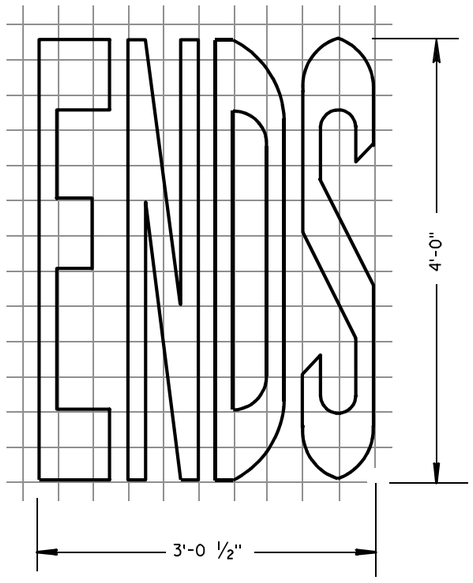


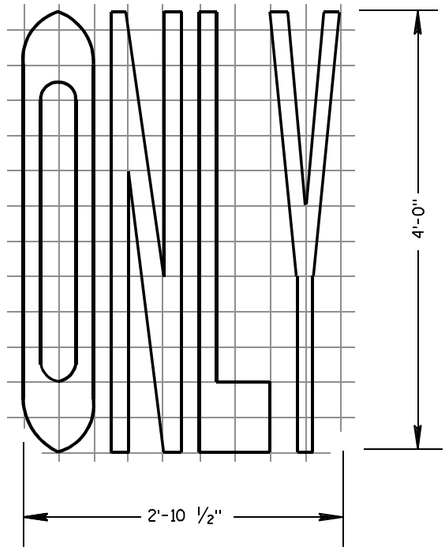


BIKE LANE SYMBOL

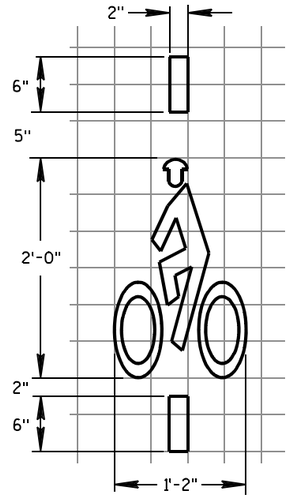


BIKE LANE ARROW





BIKE LANE WORDS



BICYCLE DETECTOR PAVEMENT MARKING

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

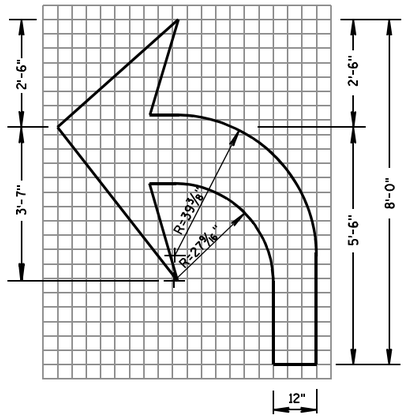
APPROVED
5-13-10 DATE
/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN
FHWA

6

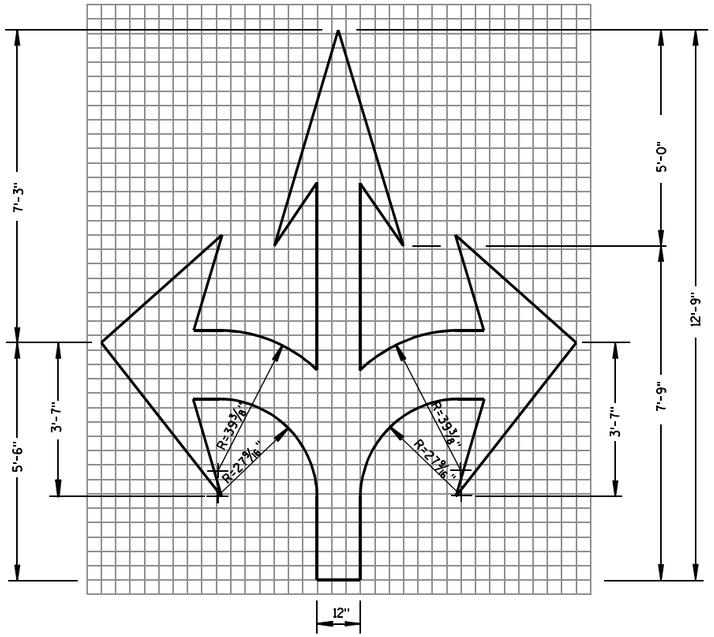
S.D.D. 15 C 7-11c

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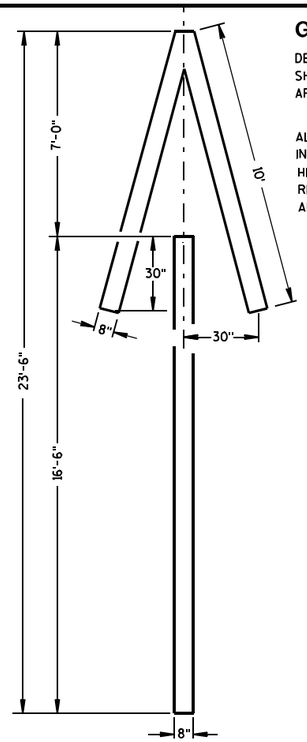
S.D.D. 15 C 7-11c



TYPE 2



TYPE 6

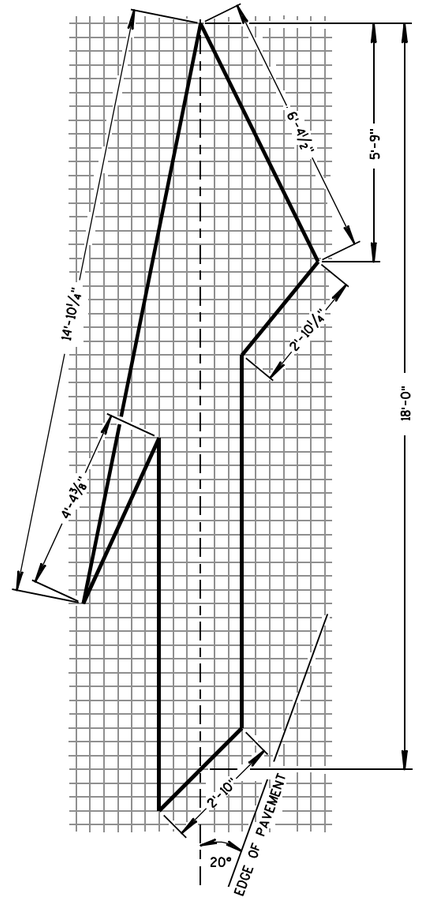


TYPE 4

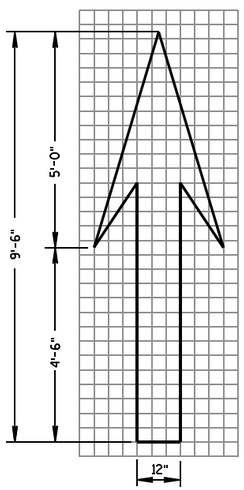
GENERAL NOTES

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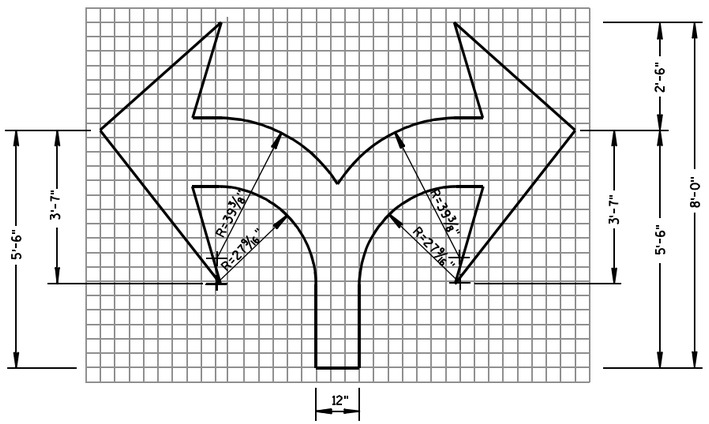
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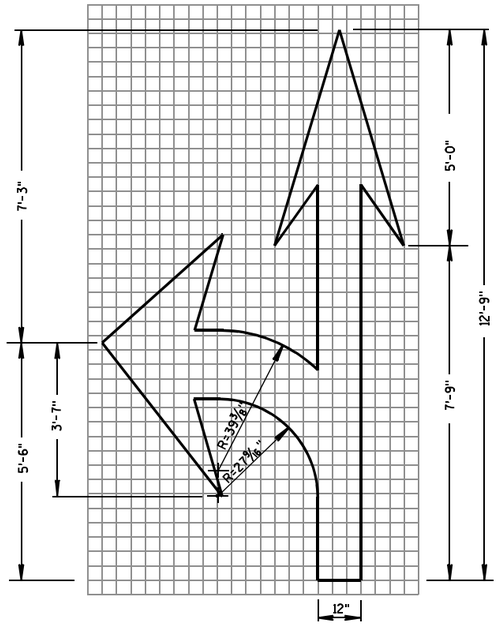
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

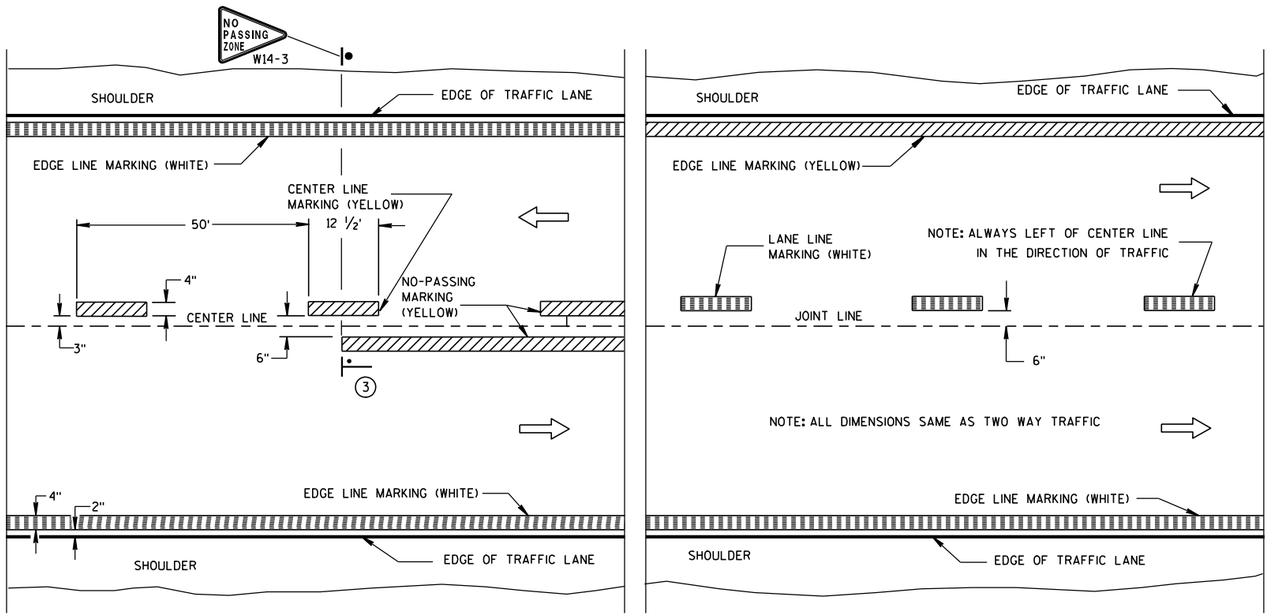
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5/13/10 — DATE
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FHWA

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S.D.D. 15 C 7-11d

6

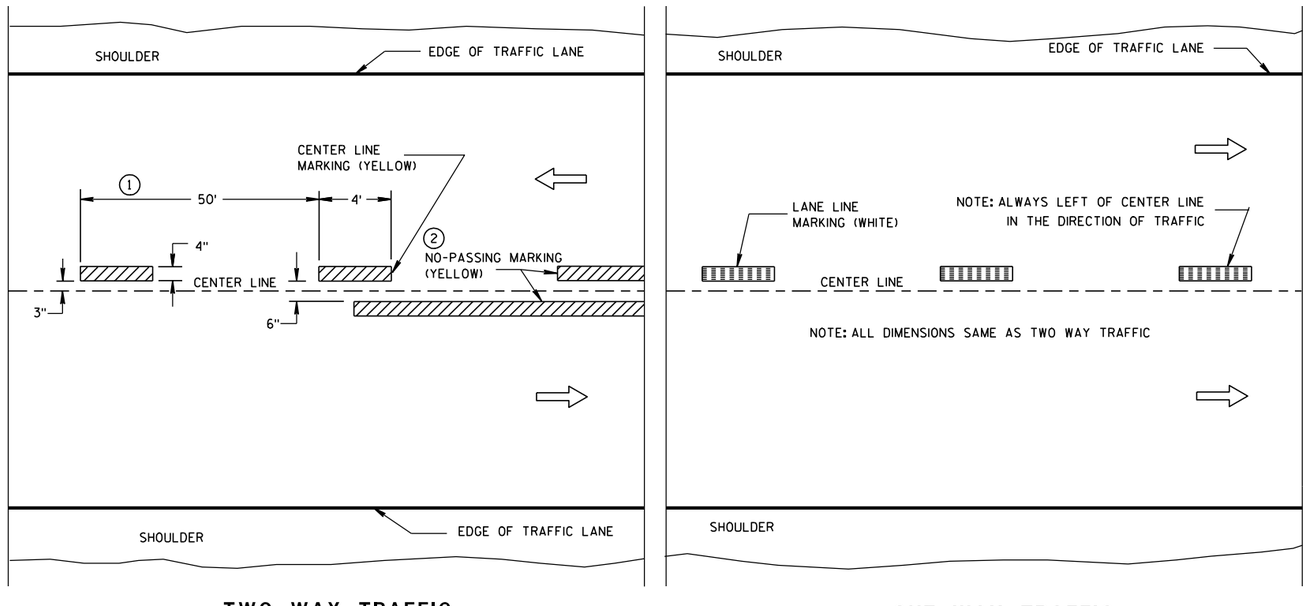
S.D.D. 15 C 7-11d



TWO WAY TRAFFIC

ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC

ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

GENERAL NOTES

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

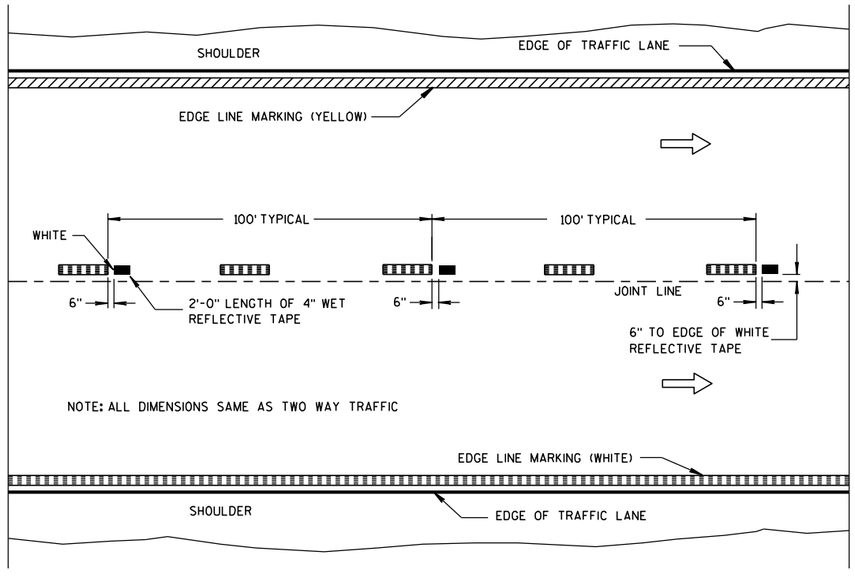
① HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

③ NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-10 DATE

/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN

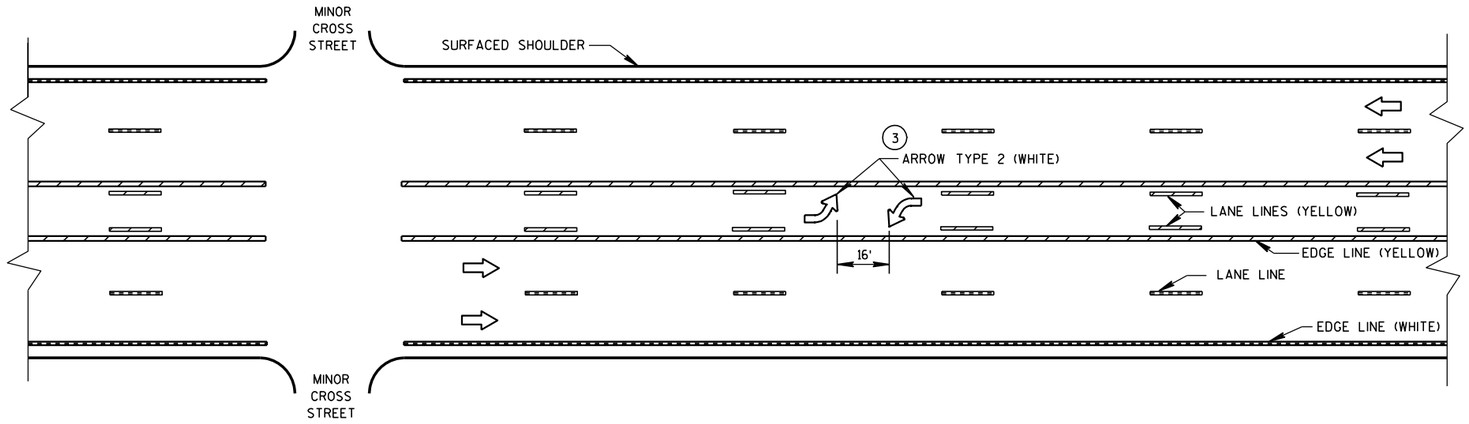
FHWA

6

S.D.D. 15 C 8-13a

6

S.D.D. 15 C 8-13a

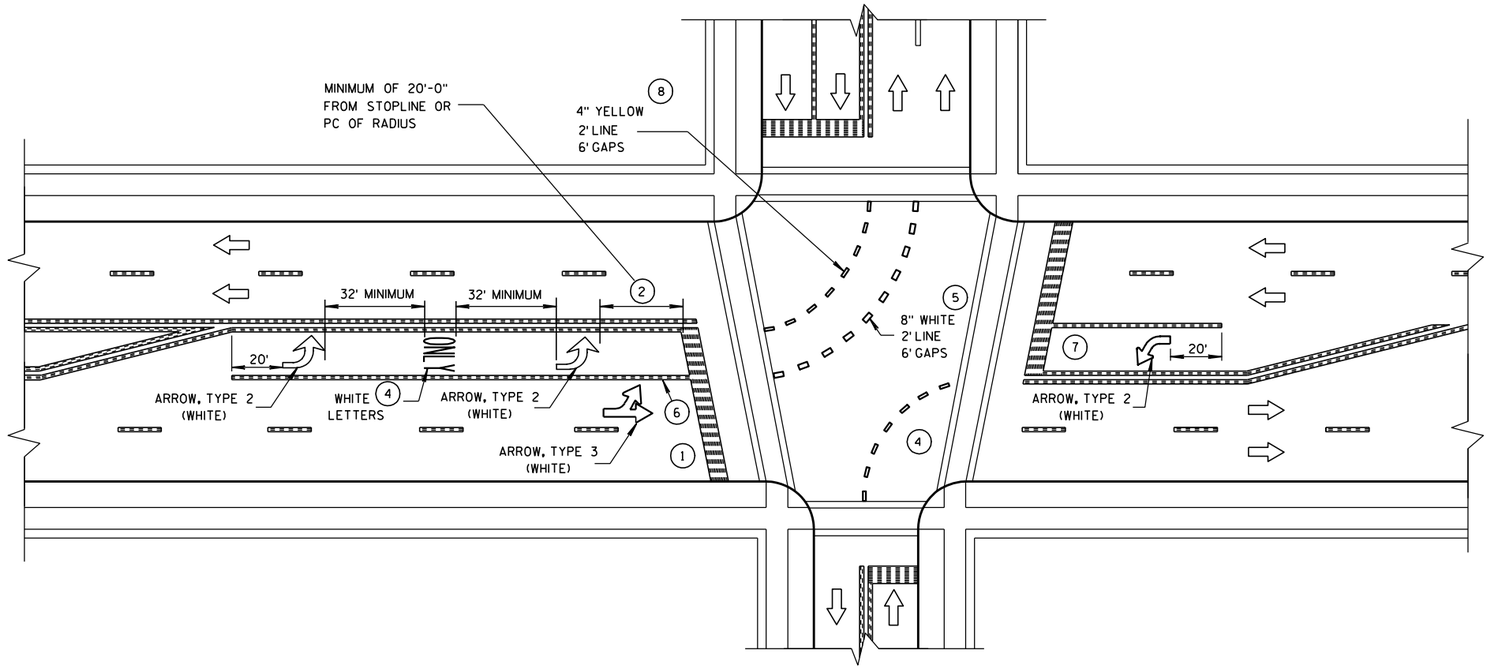


TWO WAY LEFT TURN LANE

GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400' OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA ARROW AND ONLY PER 160' OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108'.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



PAVEMENT MARKING (LEFT TURN LANE)

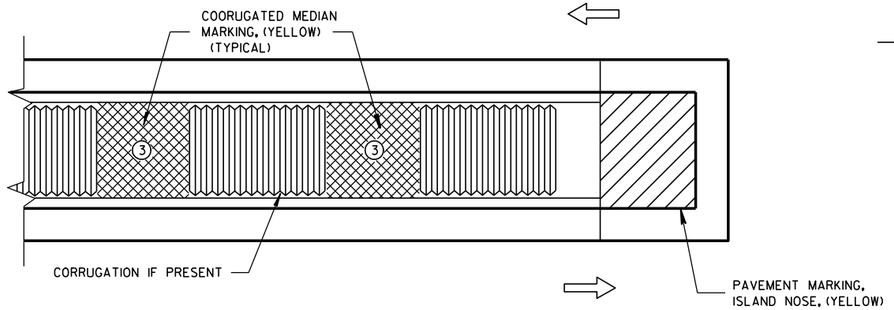
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

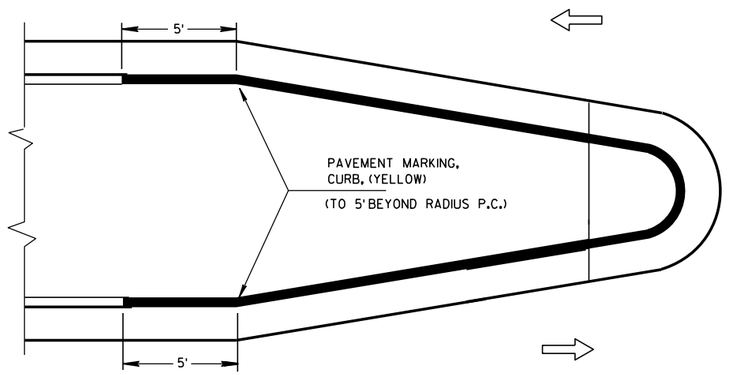
S.D.D. 15 C 8-13e

6

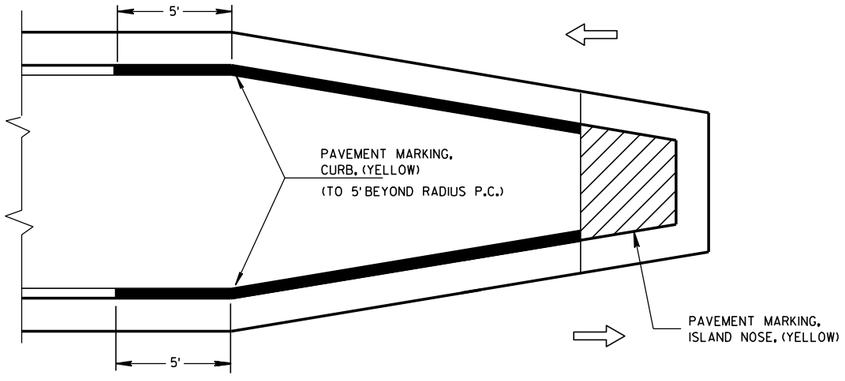
S.D.D. 15 C 8-13e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

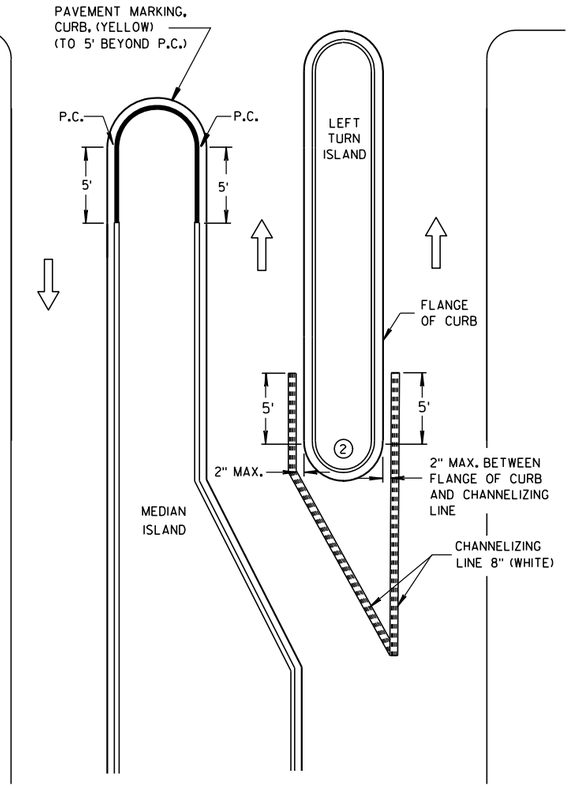


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

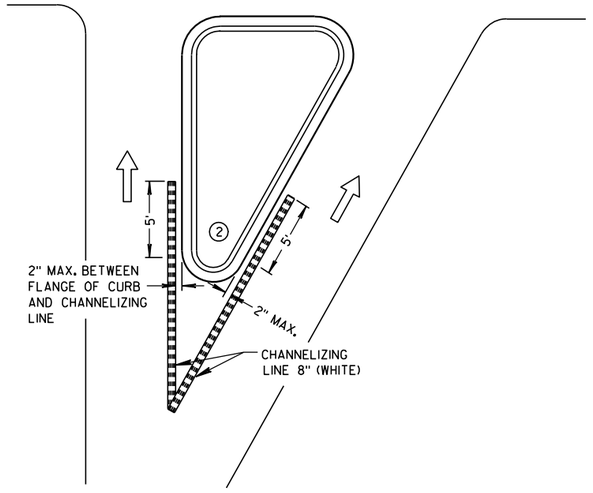
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



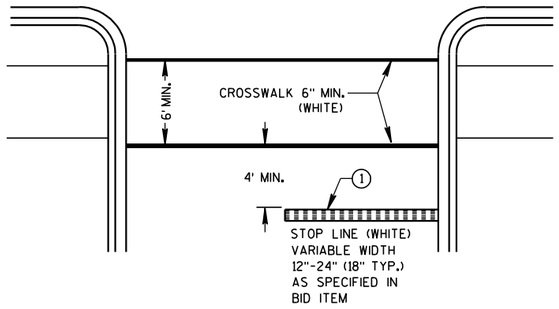
LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
3. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND



STOP LINE AND CROSSWALK

LEGEND

- ISLAND NOSE MARKING
- CURB MAKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

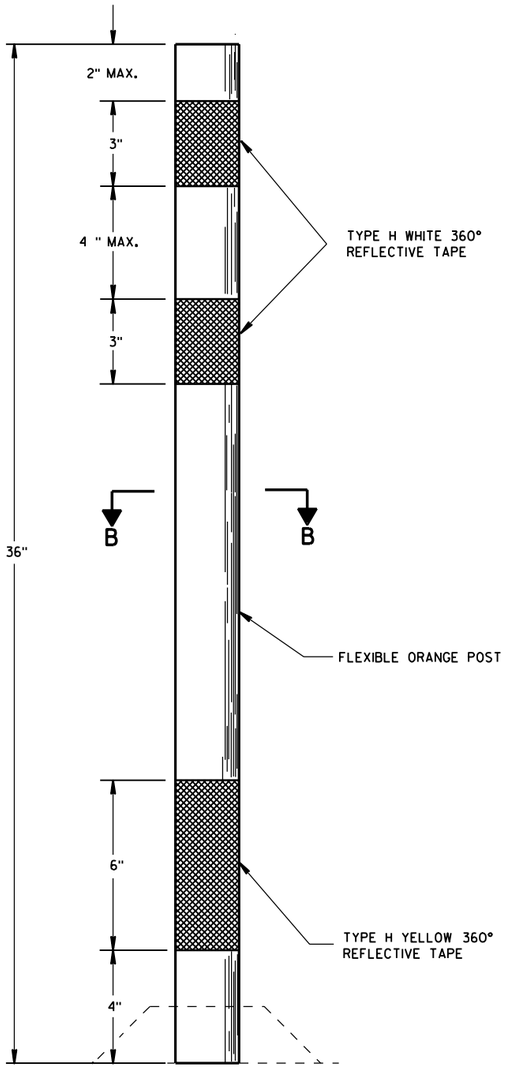
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

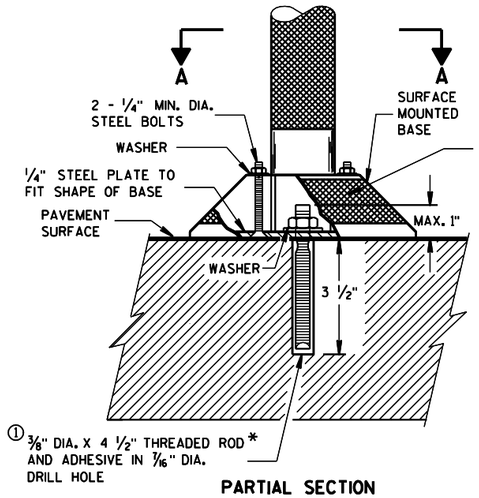
S.D.D. 15 C 8-13f

6

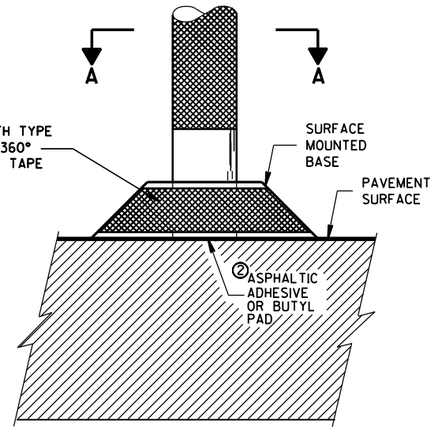
S.D.D. 15 C 8-13f



FLEXIBLE TUBULAR MARKER POST



PARTIAL SECTION TO SHOW BOLTS



POST BASES ON NEW OR EXISTING PAVEMENT

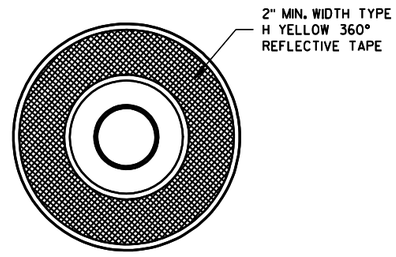
GENERAL NOTES

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

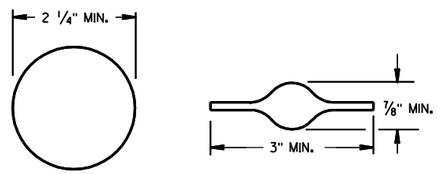
SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

① THREADED ROD SHALL BE MACHINED DOWN TO 0.280 INCH DIA. 1 1/4 INCHES FROM THE TOP.

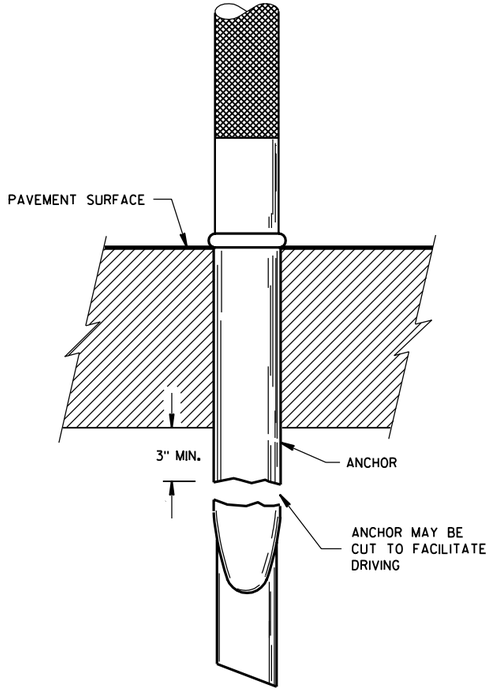
② THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



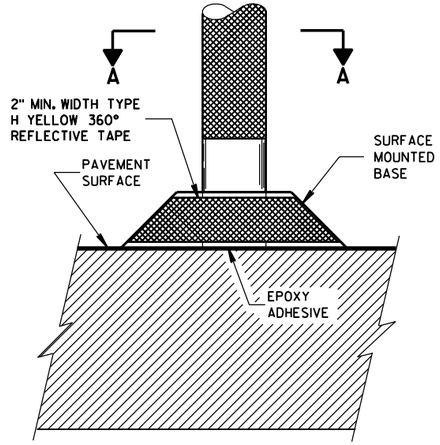
SECTION A-A
SURFACE MOUNTED BASE



SECTION B-B
ALTERNATIVE SHAPES



POST ANCHOR AND BASE ON PAVEMENT WHICH WILL BE REMOVED



FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/17/94
DATE
STATE TRAFFIC ENGINEER FOR HWYS
FHWA

S.D.D. 15 C 11-5

TWO-LANE ROADWAY

SYMBOLS

WORK AREA

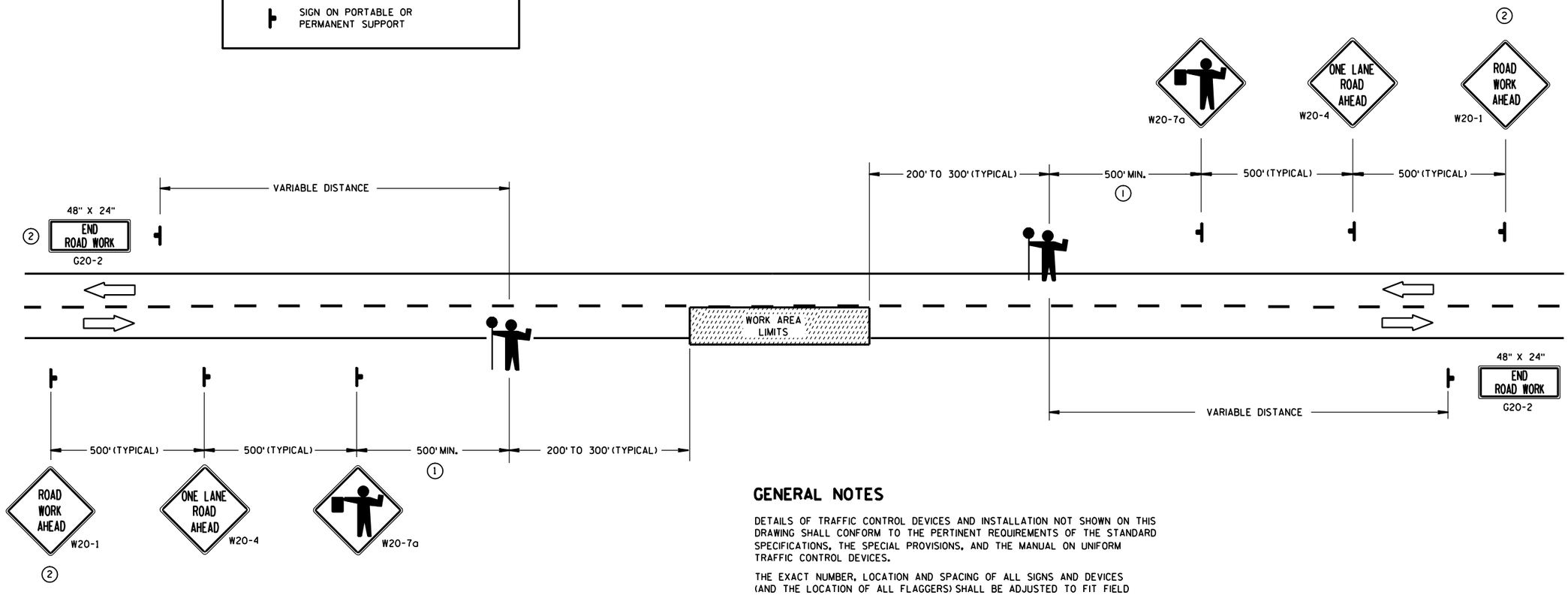
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN ON PORTABLE OR PERMANENT SUPPORT



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, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

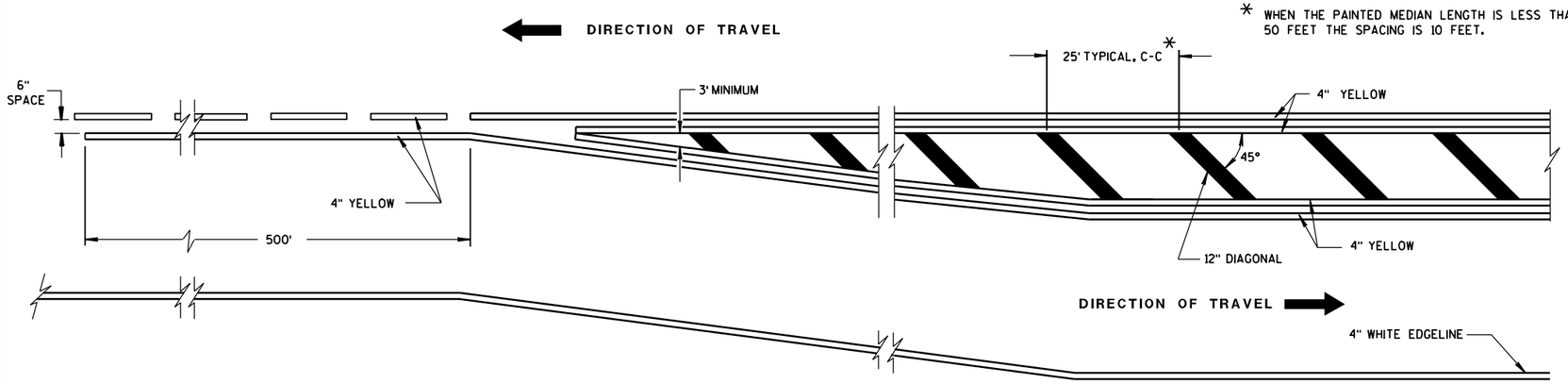
APPROVED
9/5/06 — DATE
/S/ Thomas N. Notbohm — STATE TRAFFIC ENGINEER OF DESIGN
FHWA

6

S.D.D. 15 C 12-3

6

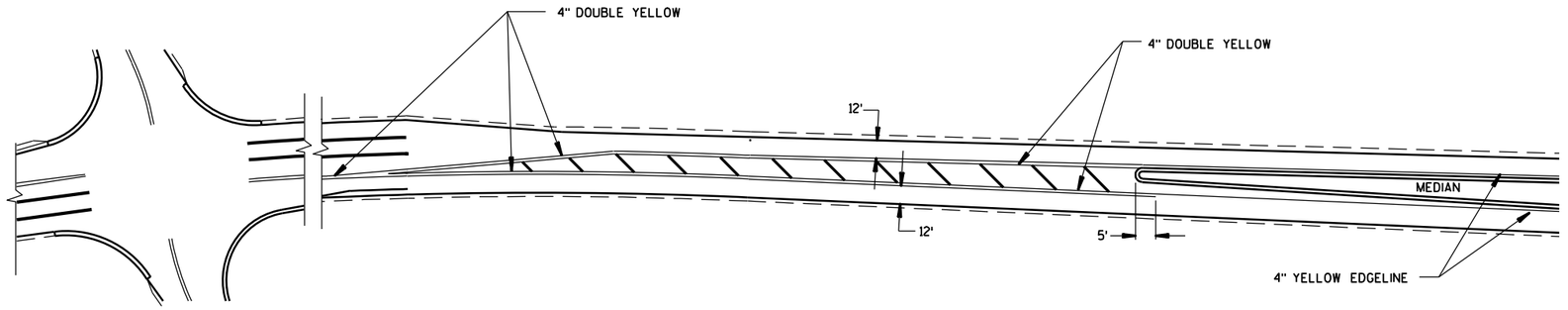
S.D.D. 15 C 12-3



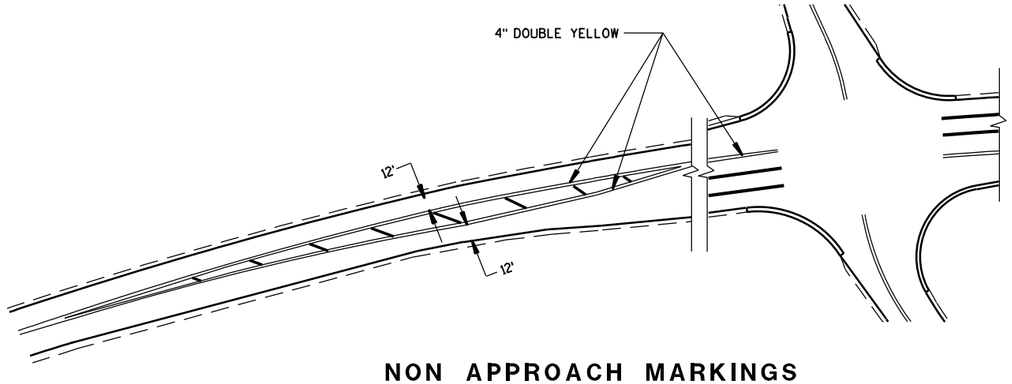
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

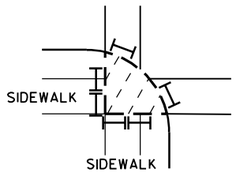
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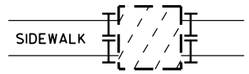
S.D.D. 15 C 18-3

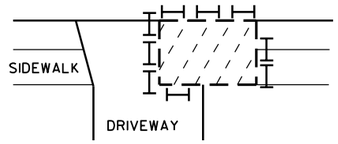
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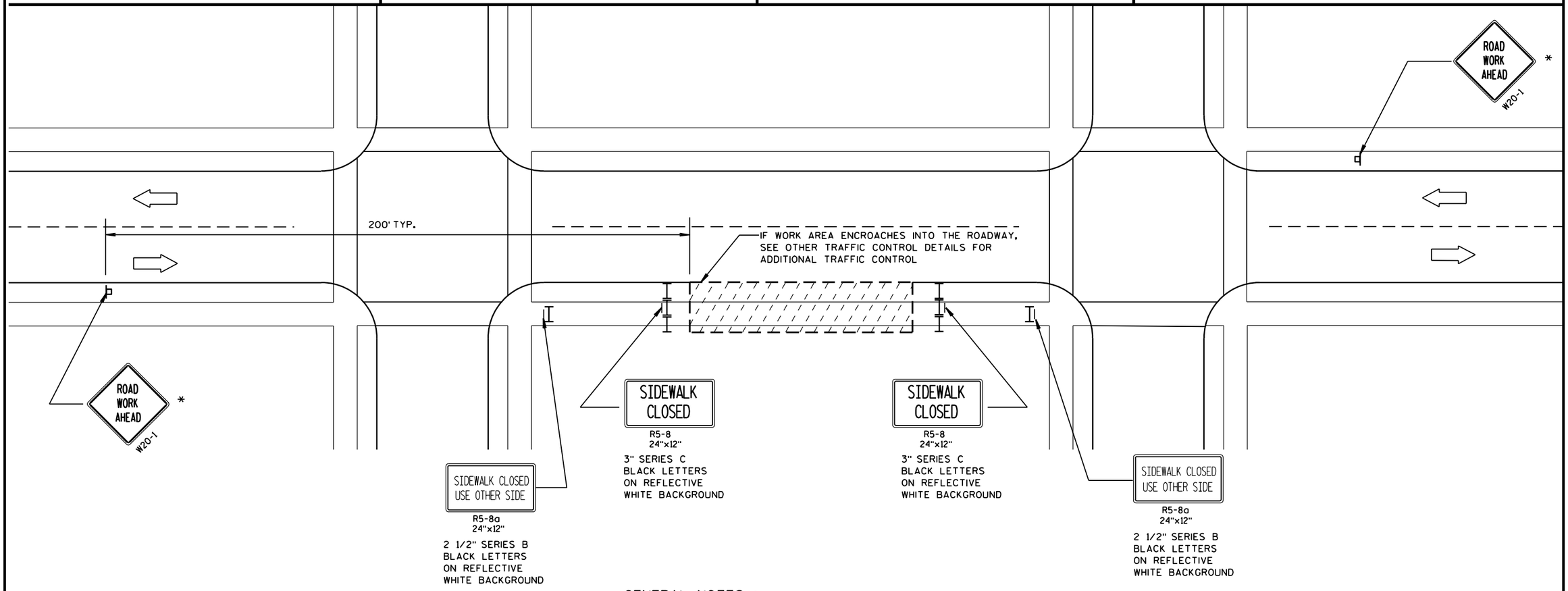
S.D.D. 15 C 18-3

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

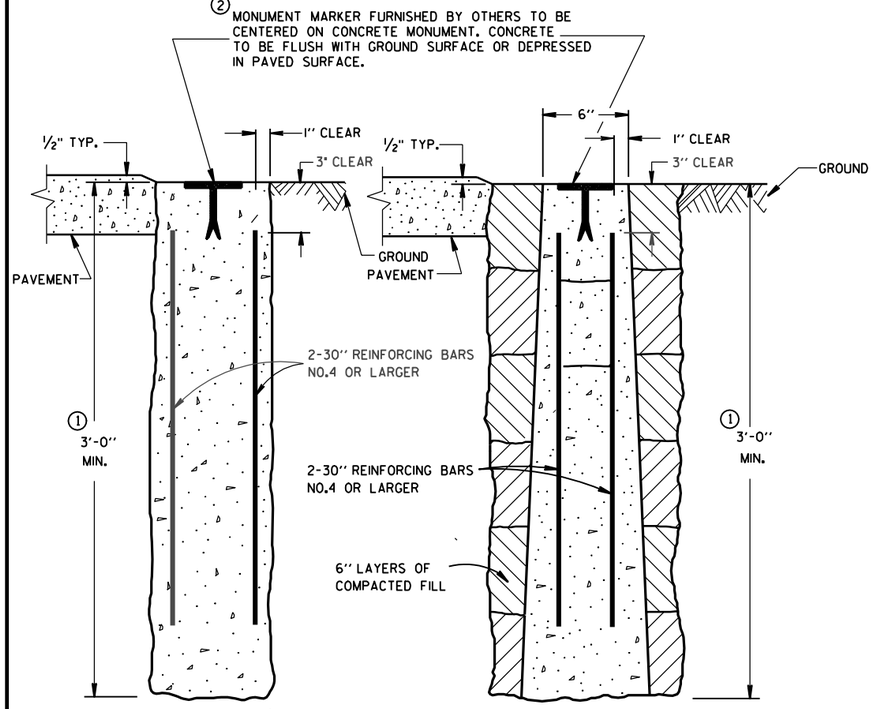
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00
DATE
Chester J. Seas
CHIEF SIGNS AND MARKING ENGINEER
FHWA

S.D.D. 15 D 30-1

6

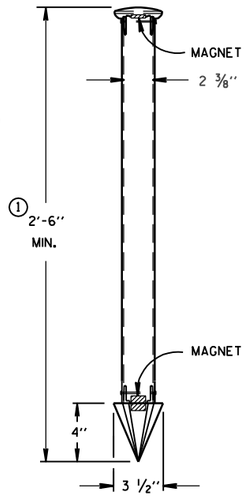
S.D.D. 15 D 30-1



CAST-IN-PLACE PRECAST

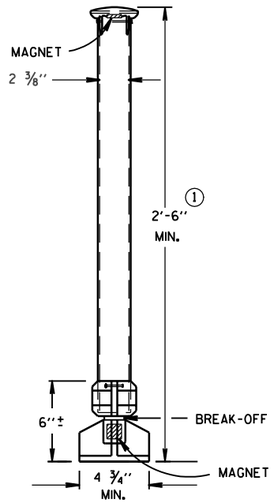
CONCRETE MONUMENTS

TYPE A



TYPE C

DRIVE-IN MONUMENT



TYPE D

BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

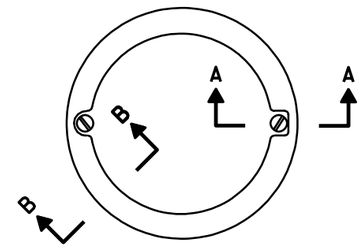
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

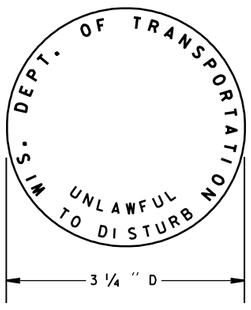
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.

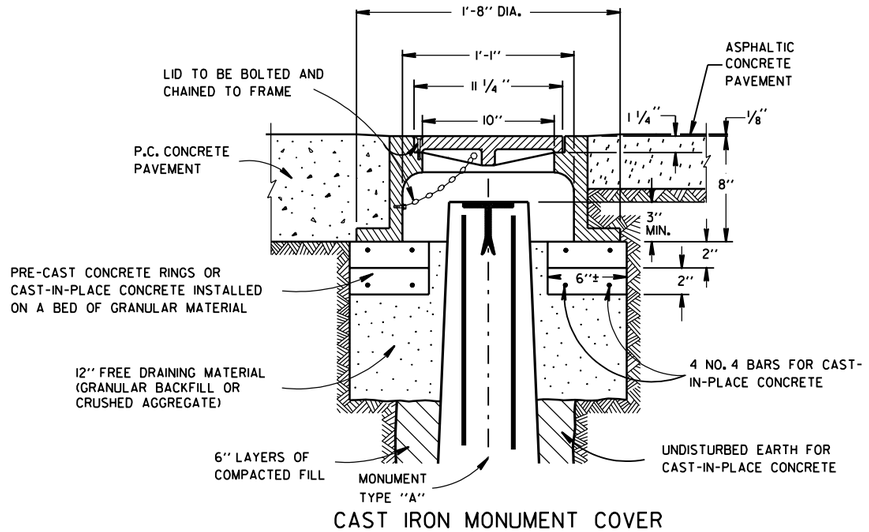


TOP VIEW



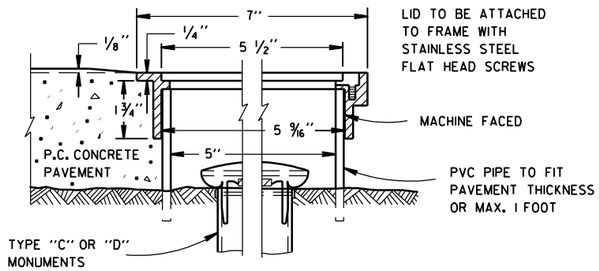
② WIS DOT MONUMENT MARKER LOGO

FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

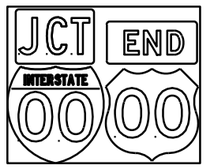
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 9/22/99 DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

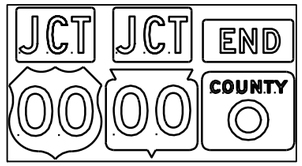
TYPICAL ASSEMBLIES



J1-1



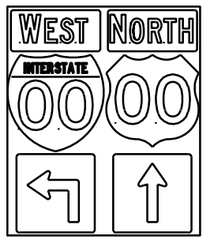
J1-2



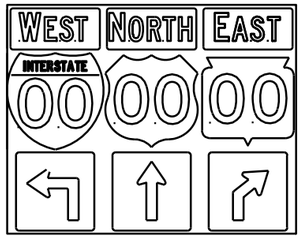
J1-3



J2-1



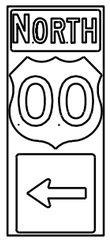
J2-2



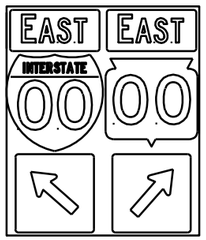
J2-3



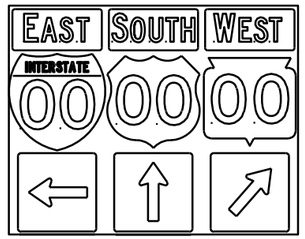
JV



J3-1



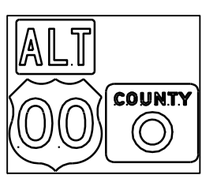
J3-2



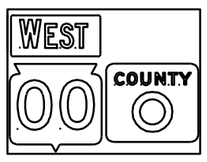
J3-3



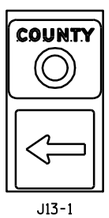
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



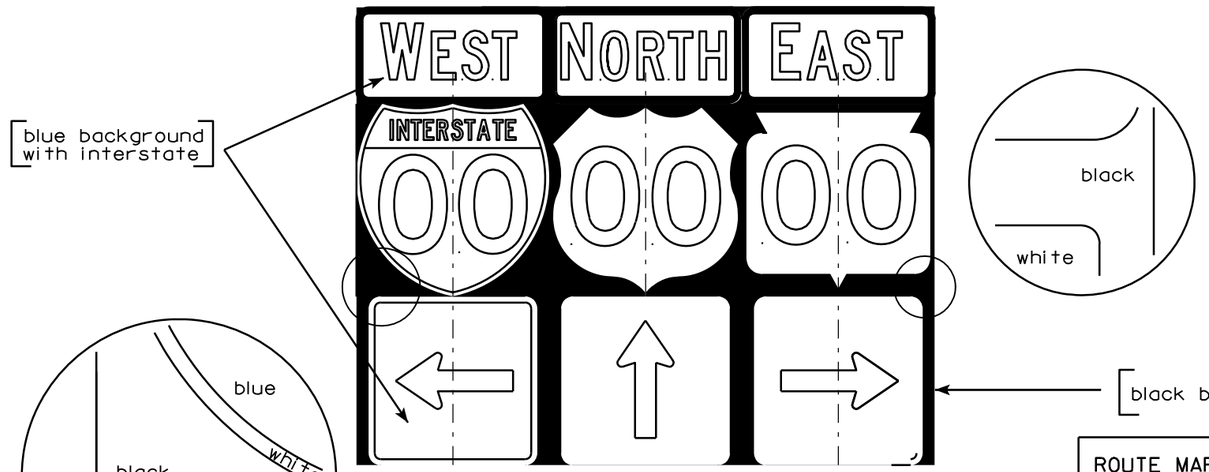
J23-1



J22-1

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square since base material is plywood.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/21/09 PLATE NO. A2-1S.6

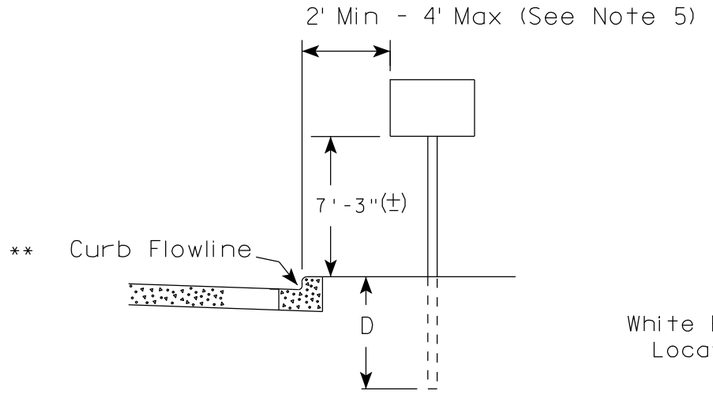
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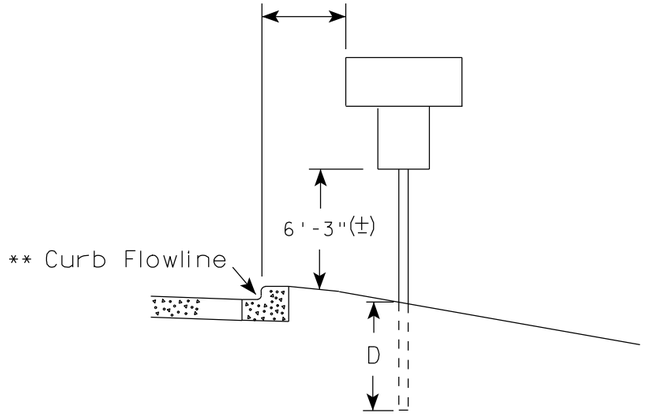
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PROJECT NO:

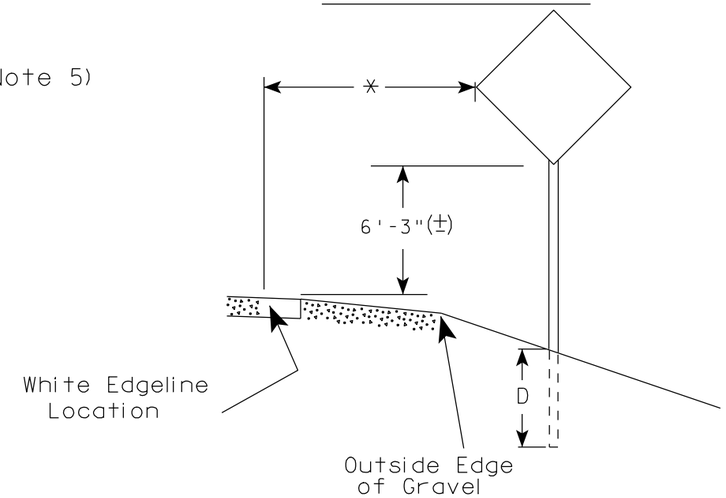
SHEET NO: 260 E

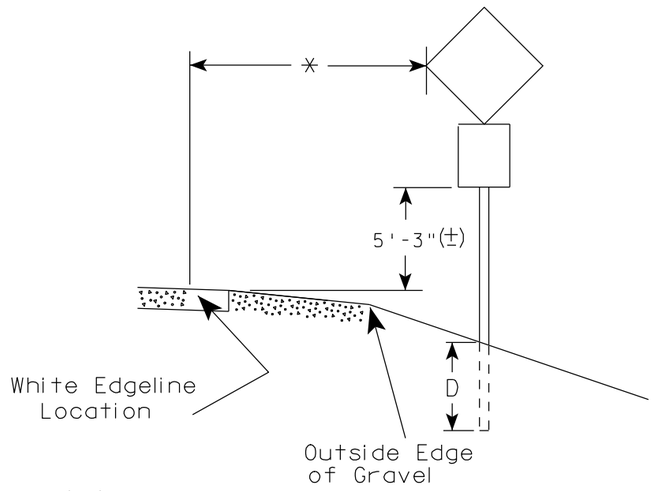
URBAN AREA





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 or larger than 20 sq. ft. 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), 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" (±).

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

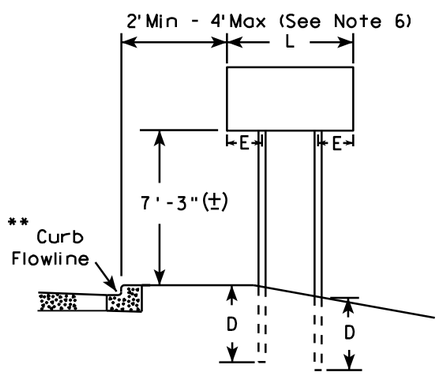
DATE 9/21/2011 PLATE NO. A4-3.16

7

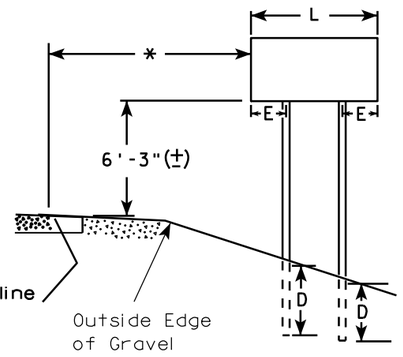
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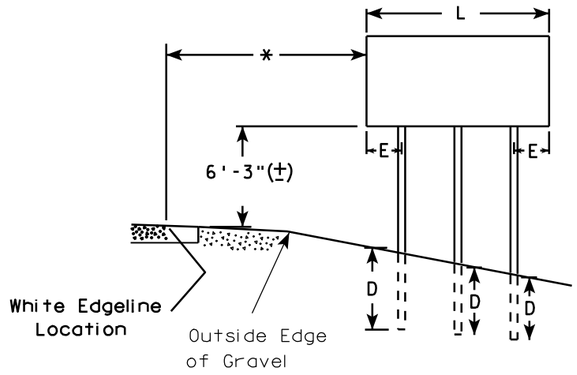
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 261 E

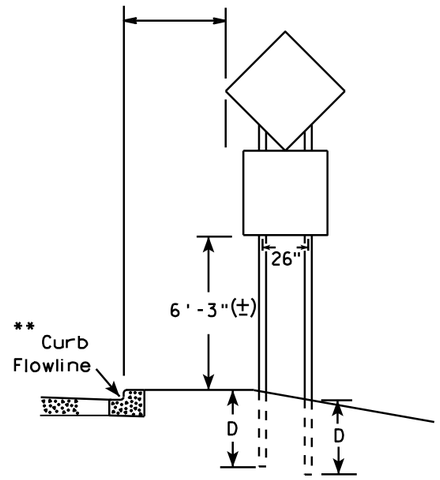
URBAN AREA



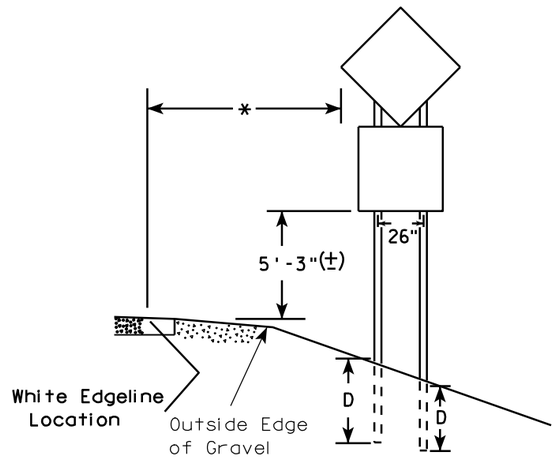
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	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'

GENERAL NOTES

1. For multiple 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.

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

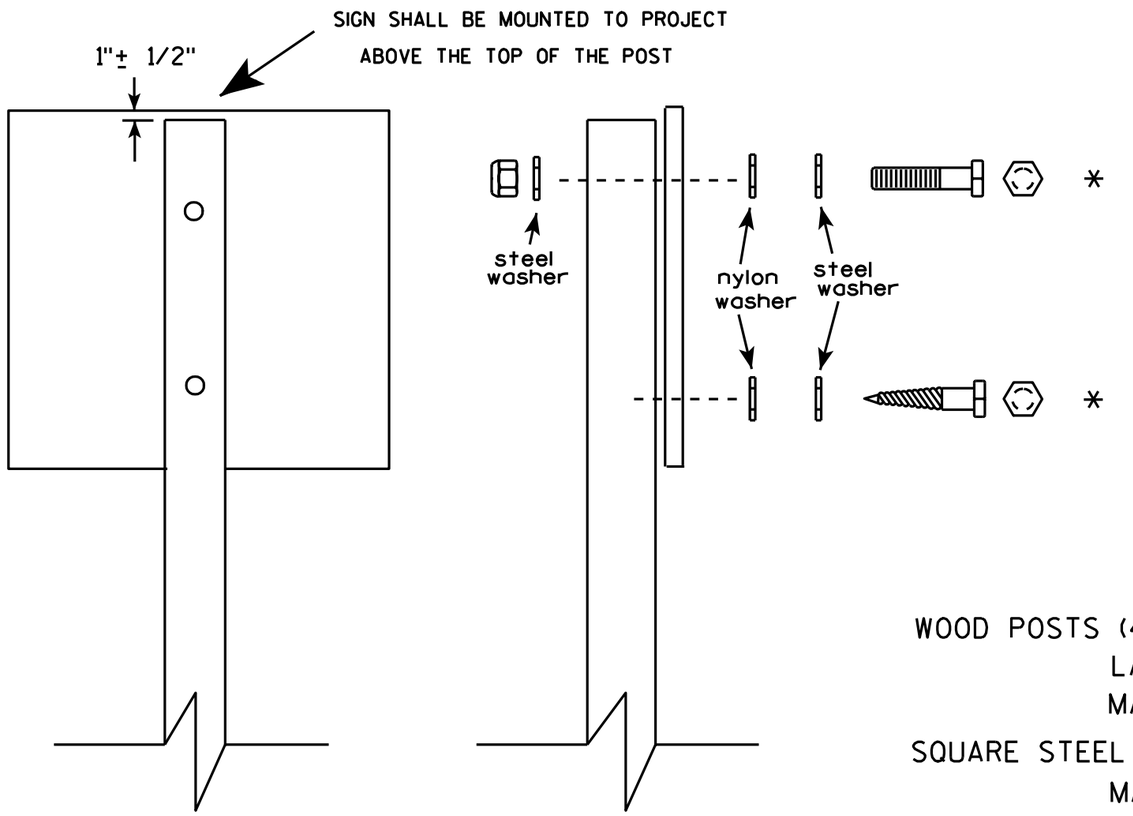
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 262	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A44.DGN PLOT DATE : 21-SEP-2011 13:36 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 109.249131:1.000000 WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

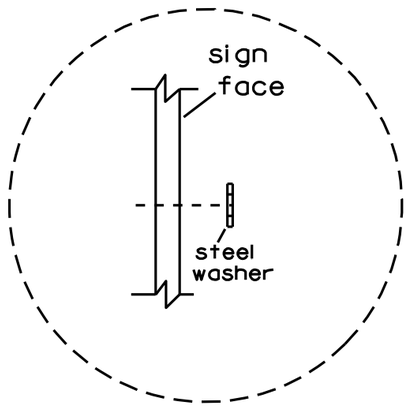
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

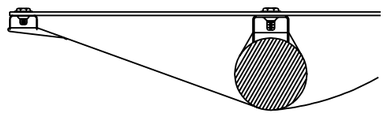
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7

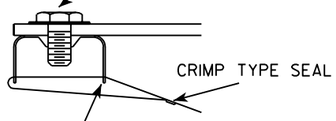
PROJECT NO:

SHEET NO: 263 E

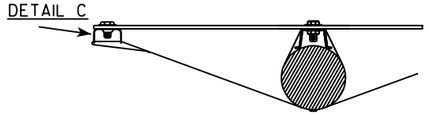
BRACE BANDING

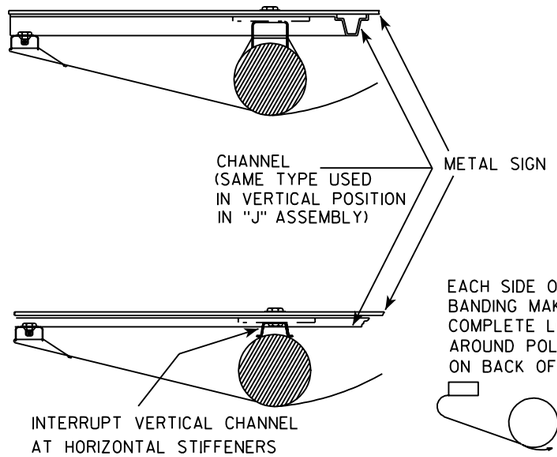


DETAIL C
CADMIUM PLATED STEEL BOLT
THROUGH BLACK BORDER



DETAIL C

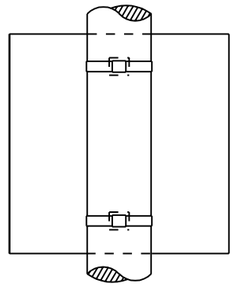


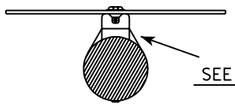


EACH SIDE OF BRACE
BANDING MAKES ONE
COMPLETE LOOP
AROUND POLE-SEAL
ON BACK OF POLE

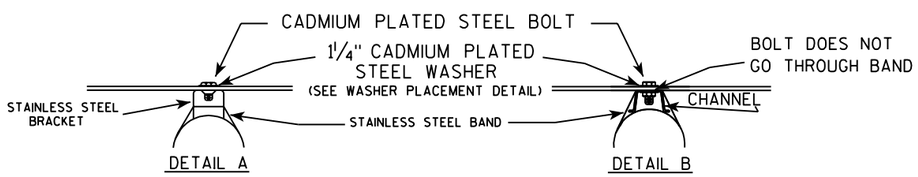
BRACKET BANDING

SINGLE SIGN





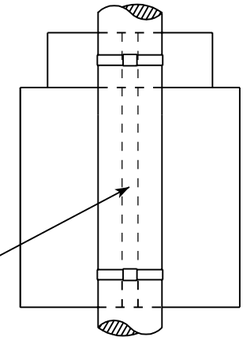
SEE DETAIL A



DETAIL A

DETAIL B

"J" ASSEMBLY

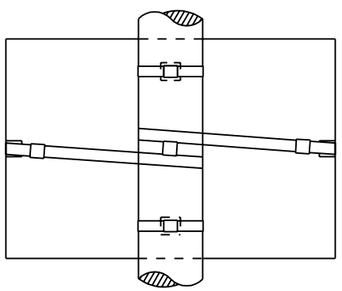


CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

SEE DETAIL B

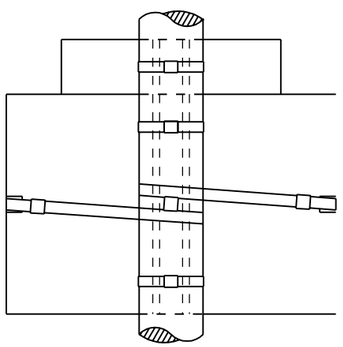
GENERAL NOTES

1. Signs 4' or greater in width shall have one brace band installed at the center of the sign.
2. Signs 3' or greater in height shall have three bracket bands installed. Signs less than 3' 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.

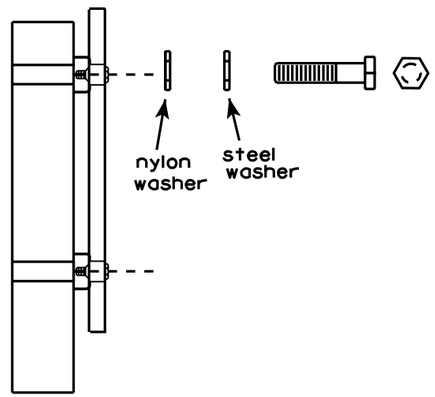


BRACE BANDING

BRACE BANDING SHALL BE TIGHTENED FIRMLY BUT NOT SO TIGHT AS TO APPRECIABLY CURVE FACE OF SIGN.



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

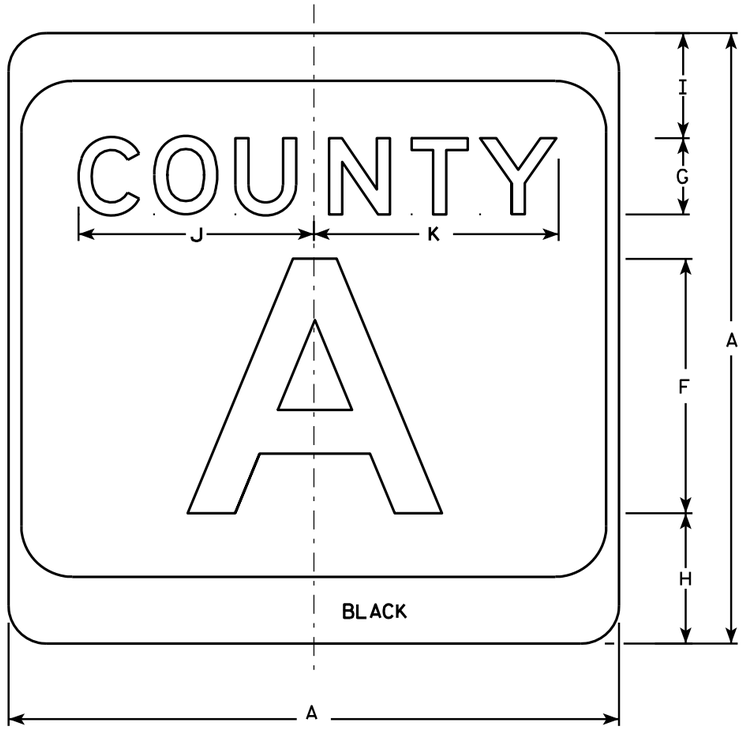
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

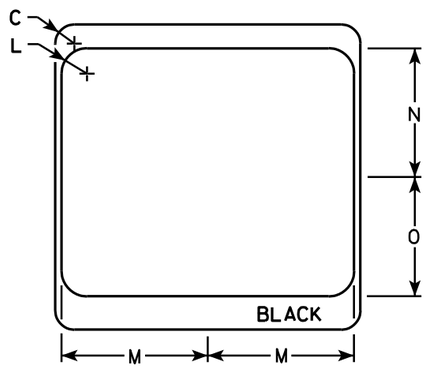
APPROVED *Matthew R Rauch*
for State Traffic Engineer

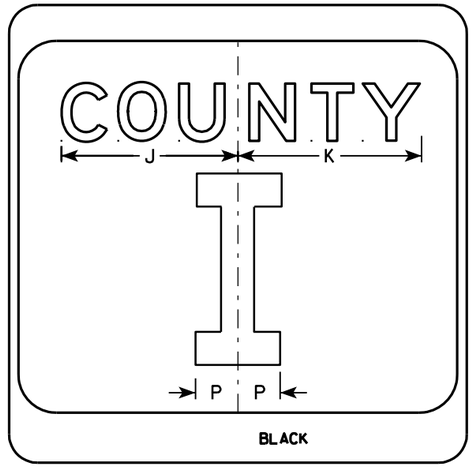
DATE 11/08/05 PLATE NO. A5-9.2

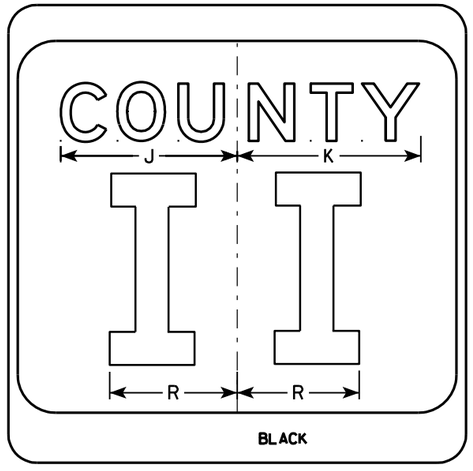
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 264	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - 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	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

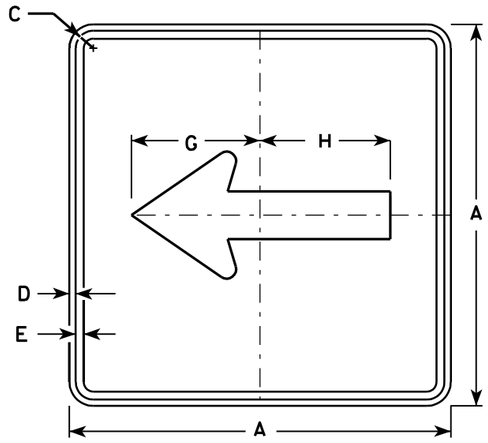
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

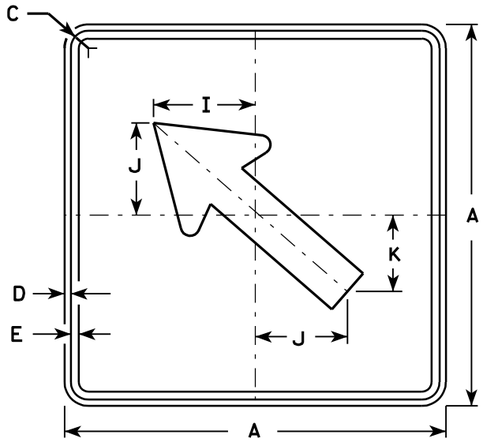
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

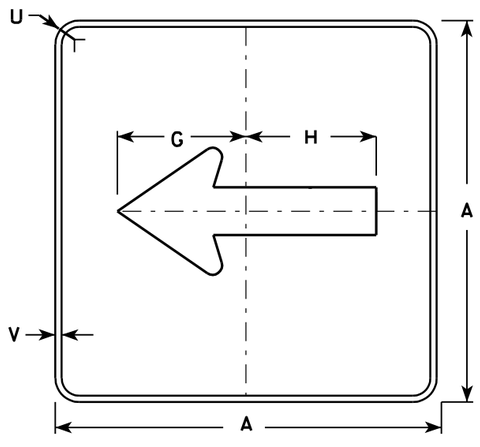
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 265	E



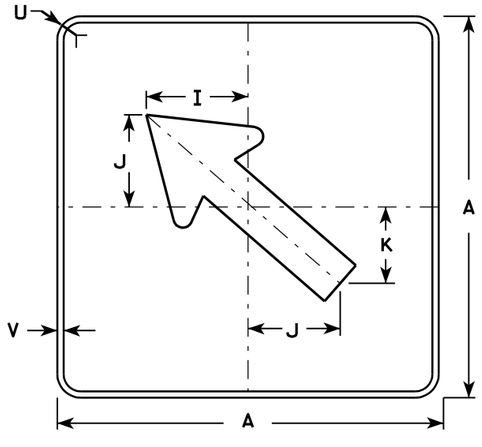
M6-1
MK6-1
MM6-1
MO6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MR6-2



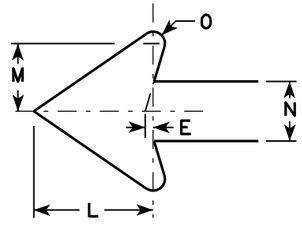
MB6-1
MG6-1
MN6-1



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 (Detour or temporary Signs - Reflective) Message - Black
   MB6-1 and MB6-2 Background - Blue Message - White - Type H Reflective (Detour or temporary Signs - 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 - Reflective Message - Black
   MR6-1 and MR6-2 Background - Brown Message - Yellow - Type H Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
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	0.28
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	0.56
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	0.56
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	0.56

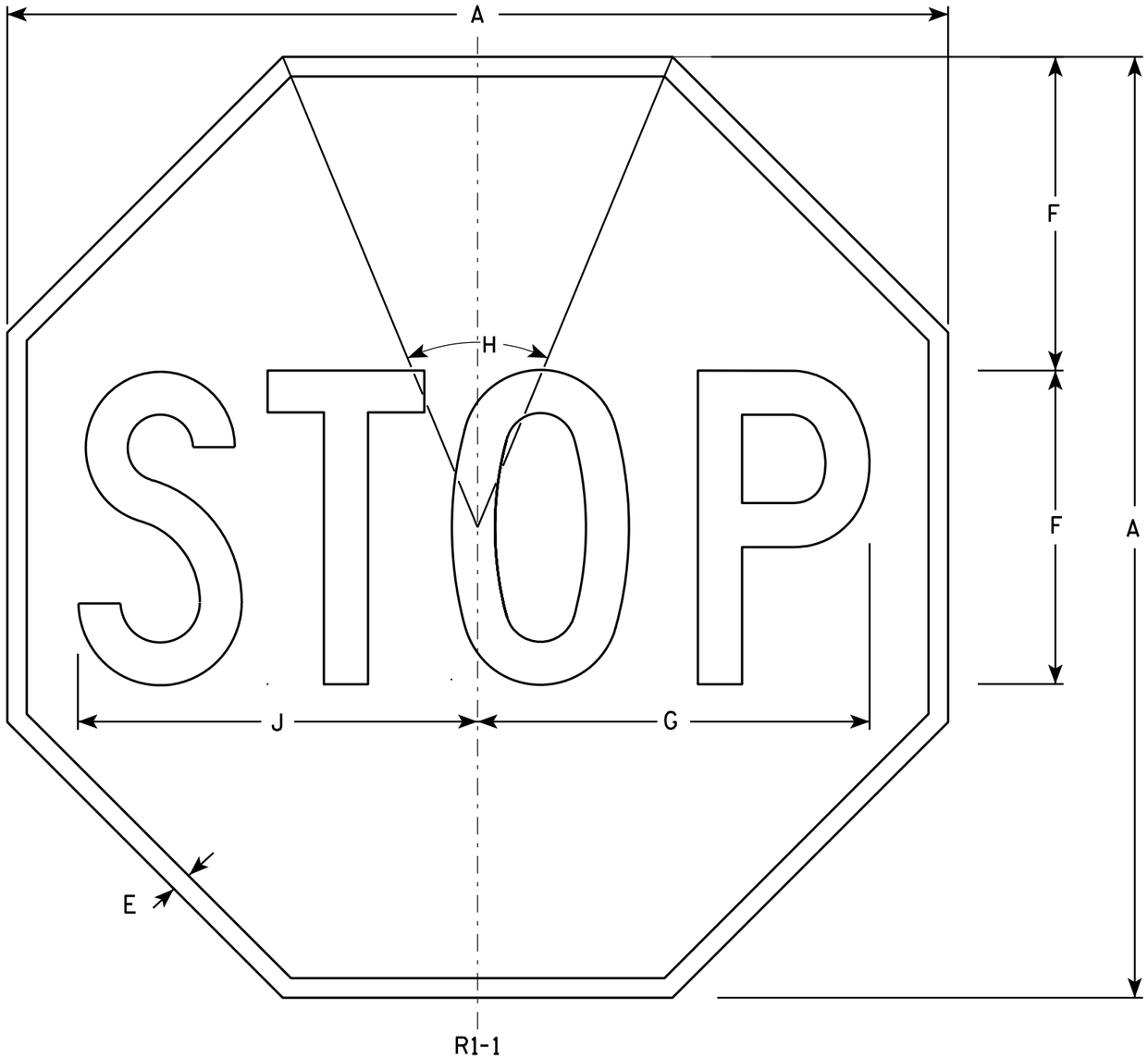
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 266	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	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

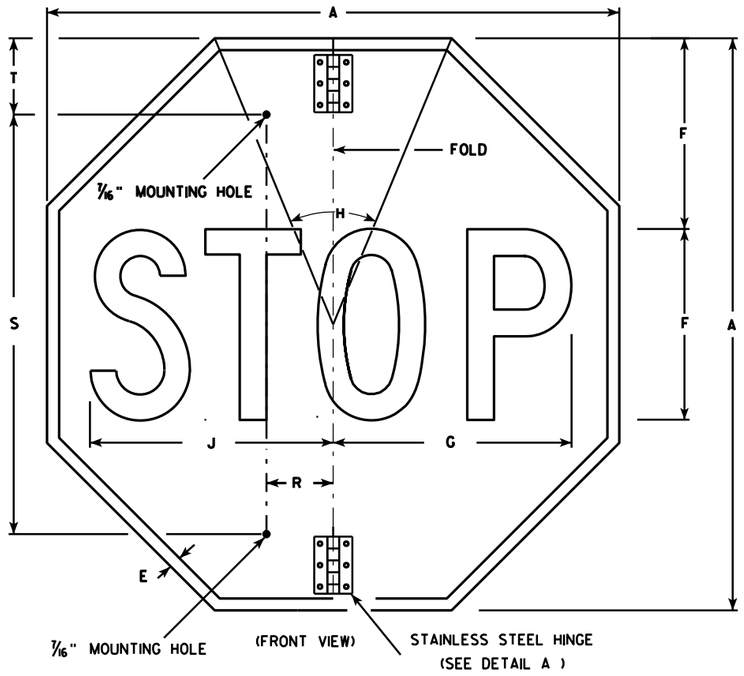
STANDARD SIGN
R1-1

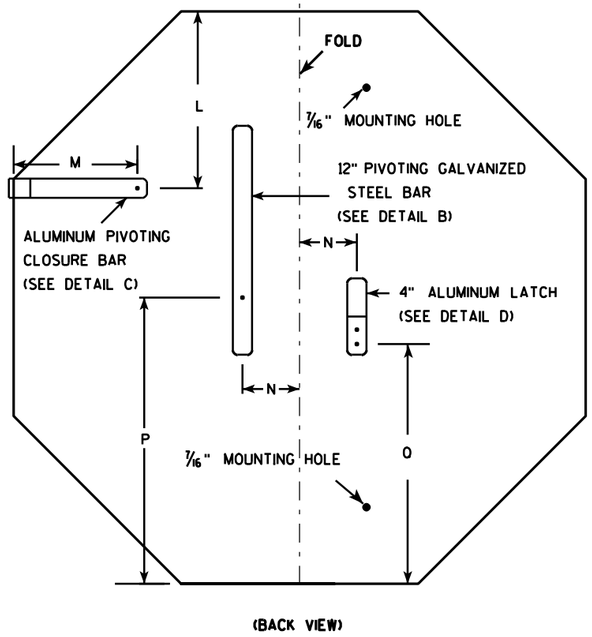
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

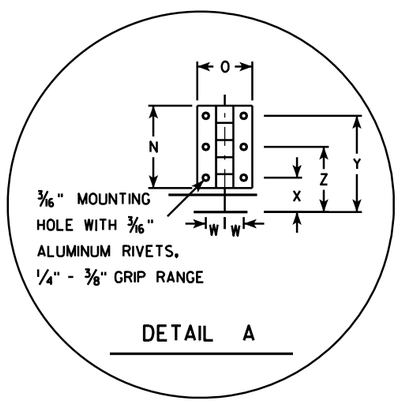
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 267	E



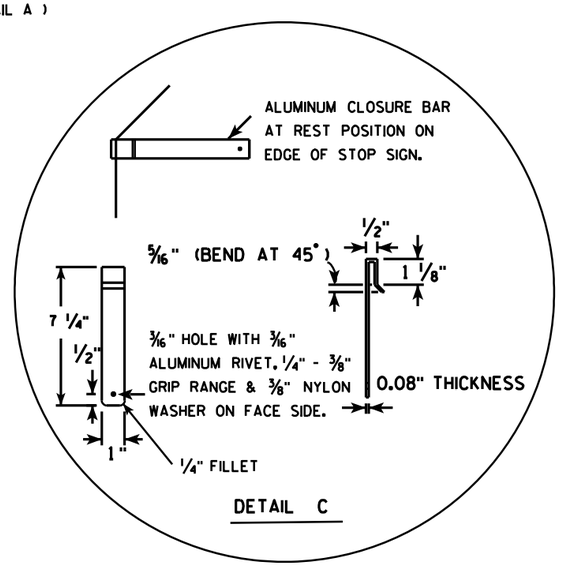


NOTES

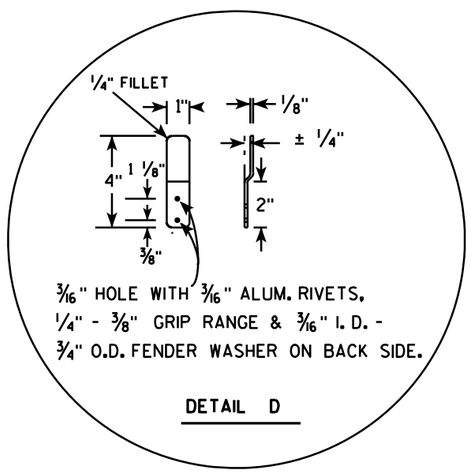
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



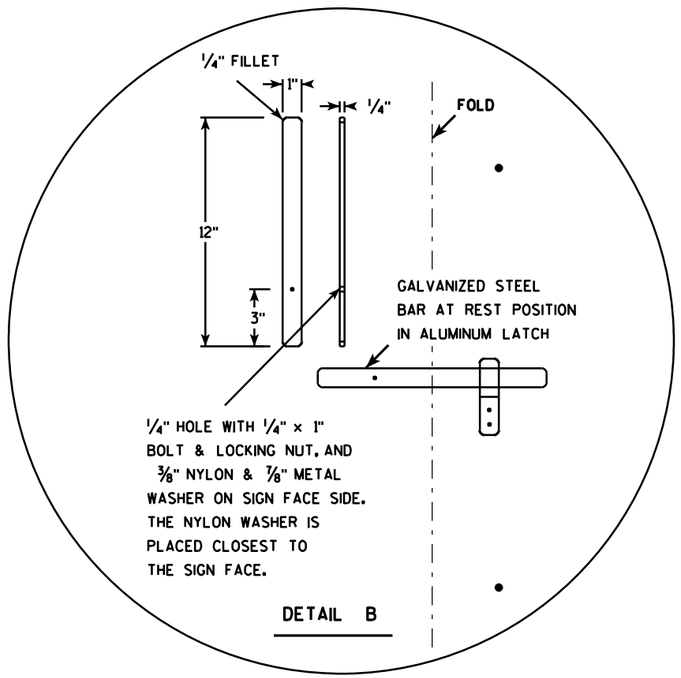
DETAIL A



DETAIL C



DETAIL D



DETAIL B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

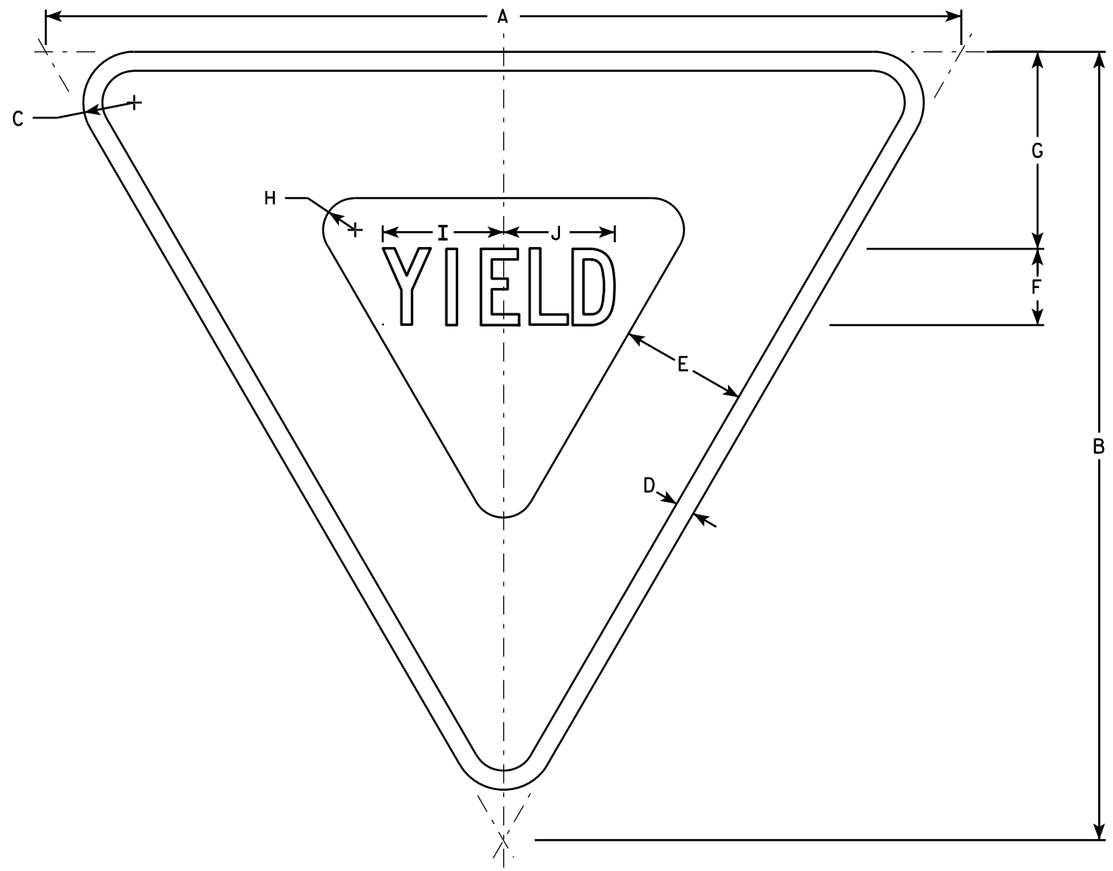
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 268 | E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6	24	21	1 1/2	3/8	3	2	4 3/4	7/8	3 1/4	3																	1.75
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

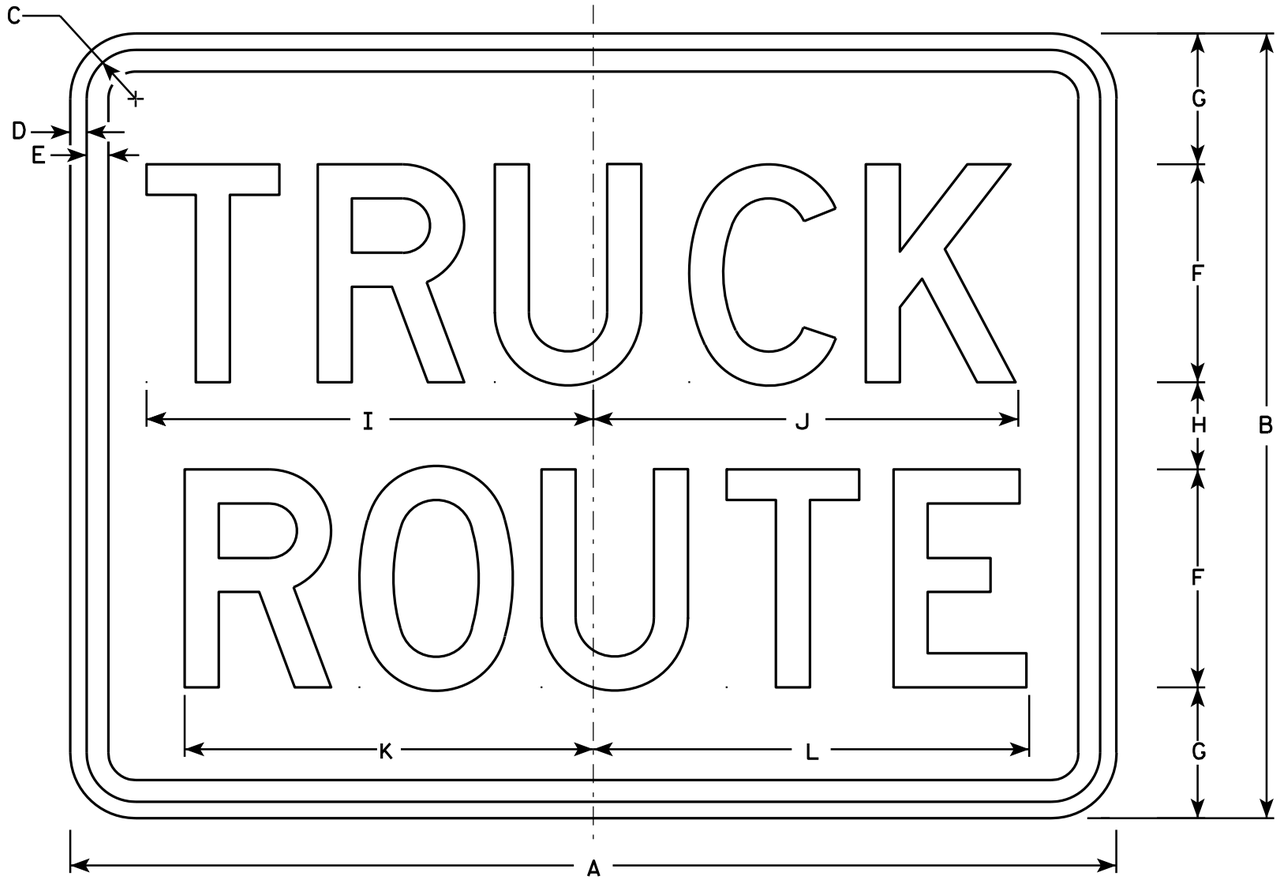
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 269 | E



R14-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

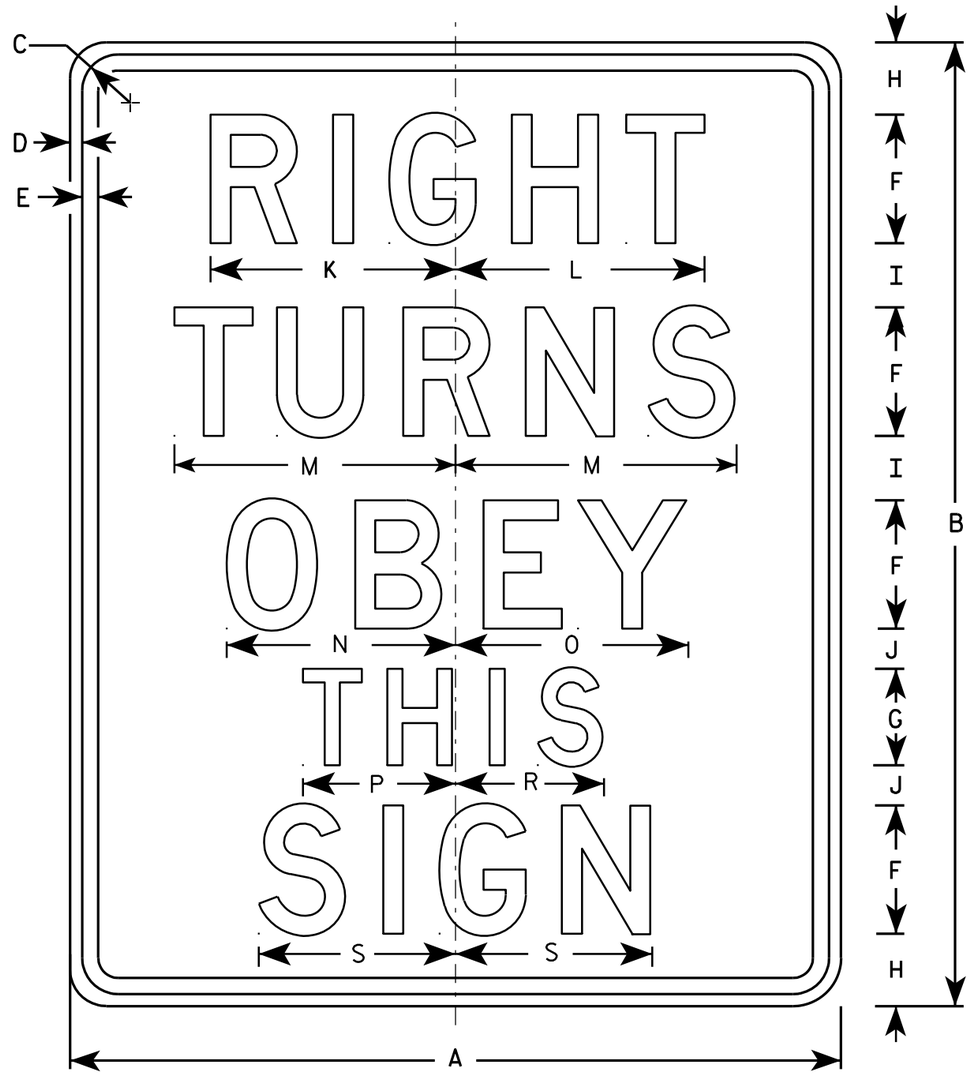
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 270	E



R1-53

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3	2 1/4	2	1 1/4	7 5/8	7 3/4	8 3/4	7 1/8	7 1/4	4 3/4		4 5/8	6 1/8								5.0
2M	24	30	1 1/8	3/8	1/2	4	3	2 1/4	2	1 1/4	7 5/8	7 3/4	8 3/4	7 1/8	7 1/4	4 3/4		4 5/8	6 1/8								5.0
3																											
4																											
5																											

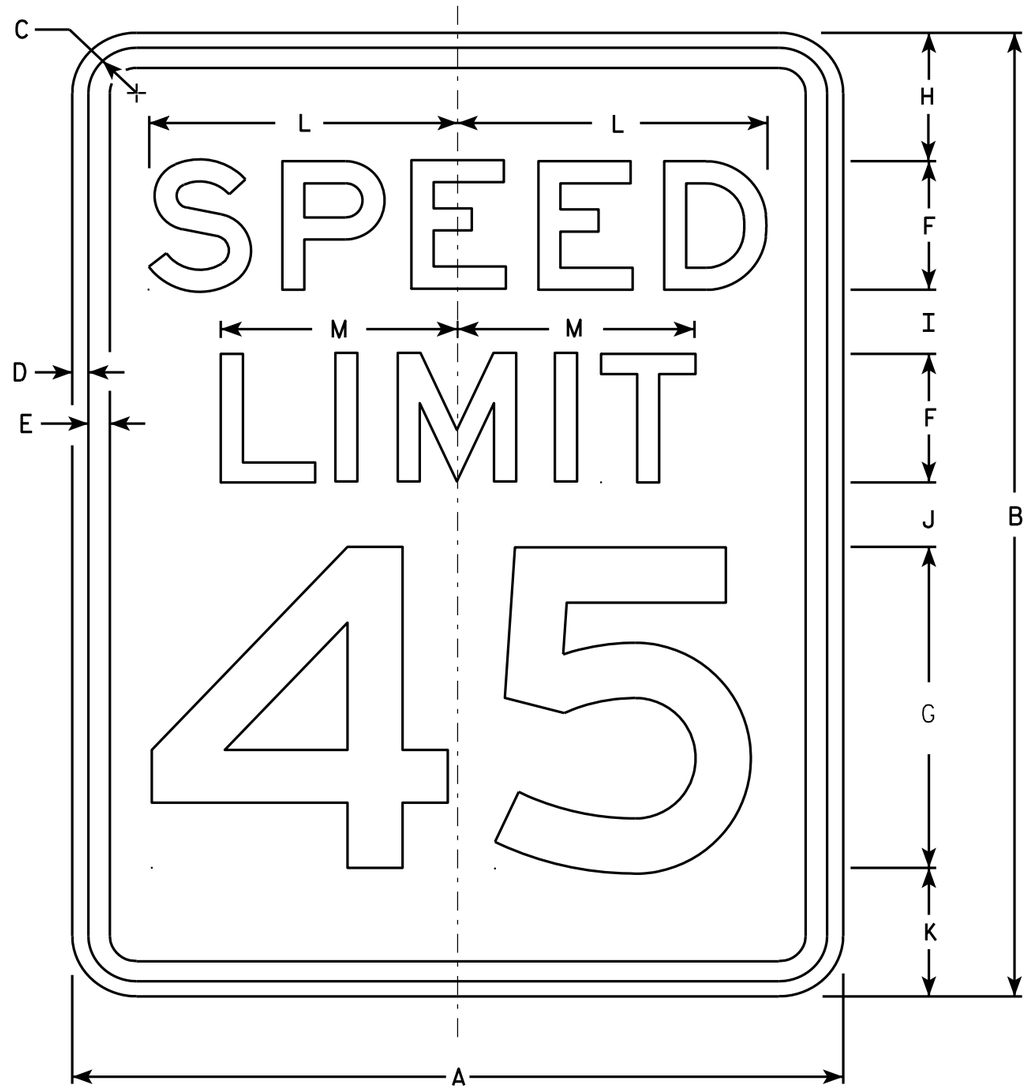
STANDARD SIGN
R1-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-53.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 271 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

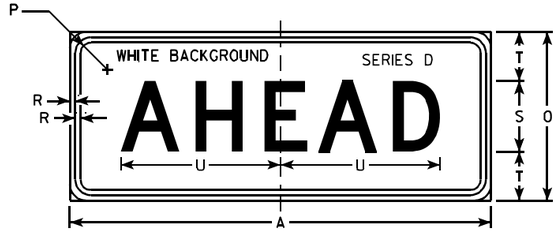
APPROVED Matthew R Rauch
for State Traffic Engineer

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

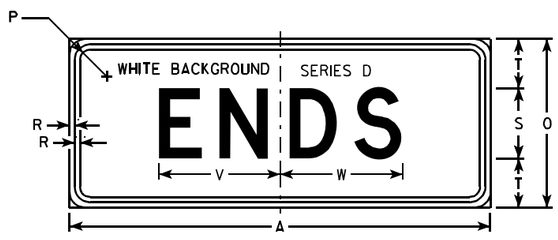
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 272	E



R3-17



R3-17ap



R3-17bp

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
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	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

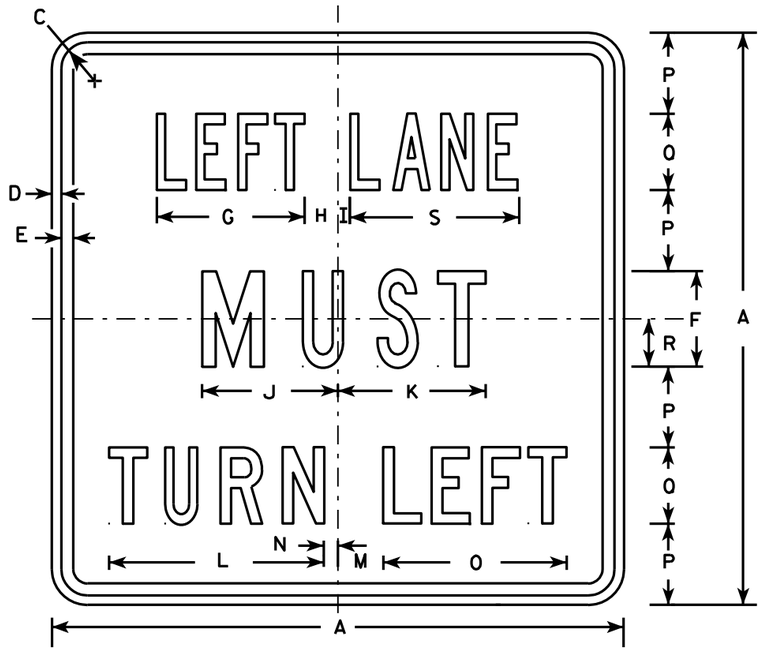
SHEET NO: 273 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R317.DGN PLOT DATE : 12-APR-2011 11:25 PLOT BY : mscsja

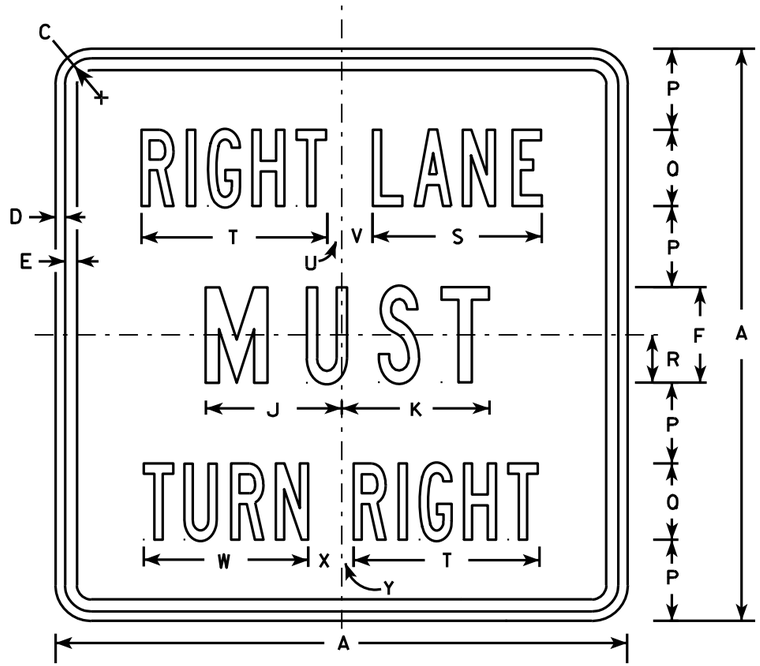
WISDOT/CADDS SHEET 42

7

7



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

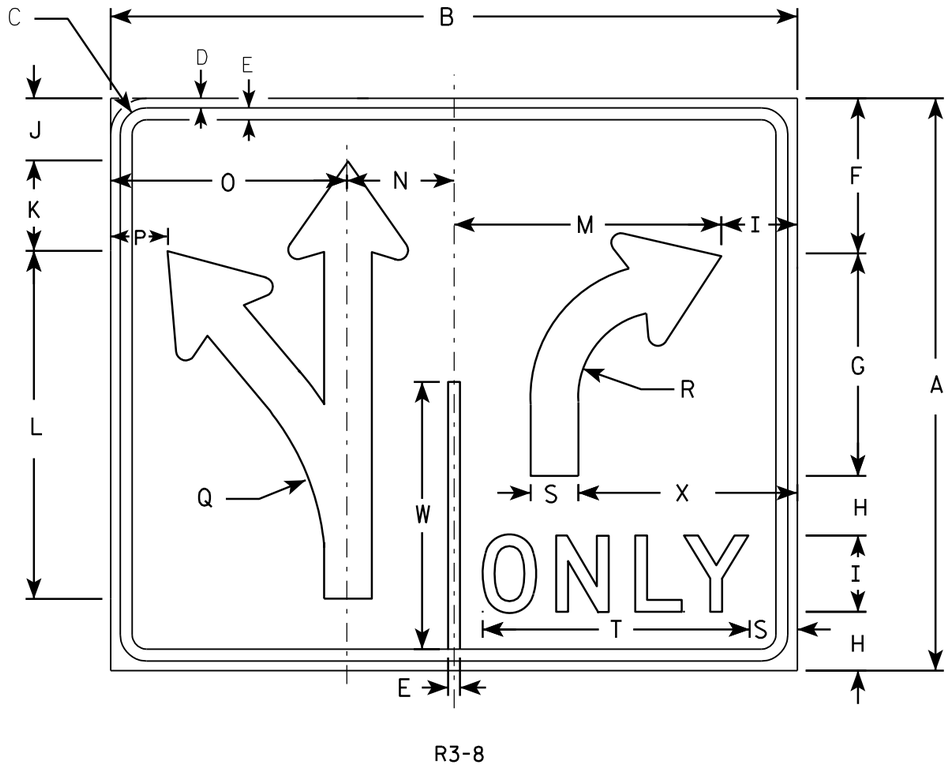
APPROVED Matthew R Rauch
for State Traffic Engineer

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

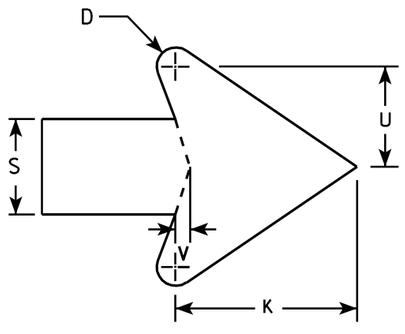
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 274 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R37.DGN PLOT DATE : 18-MAR-2011 09:43 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42



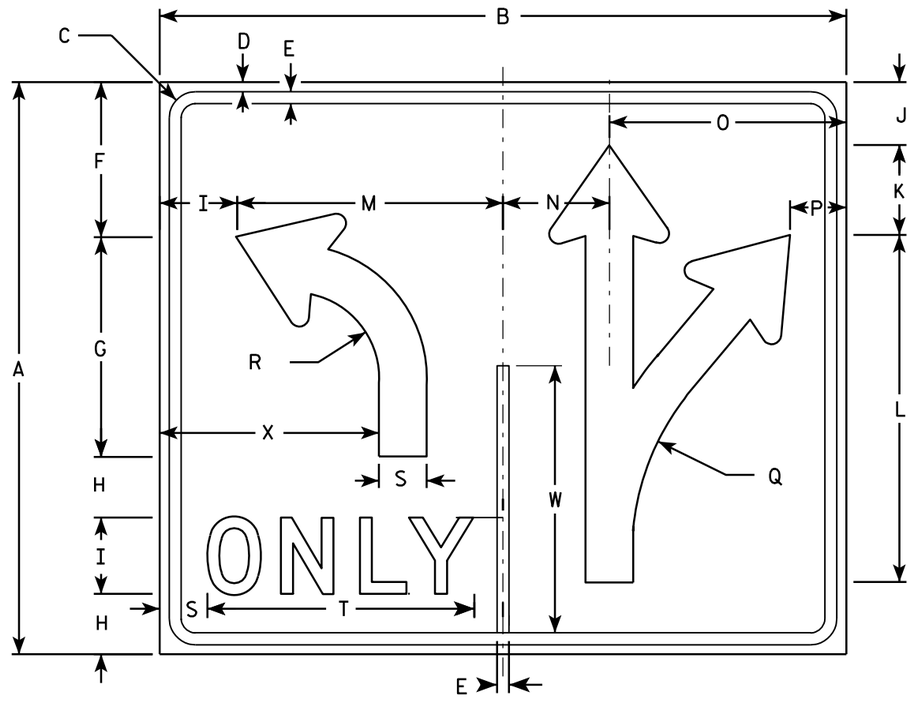
R3-8



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-8A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0

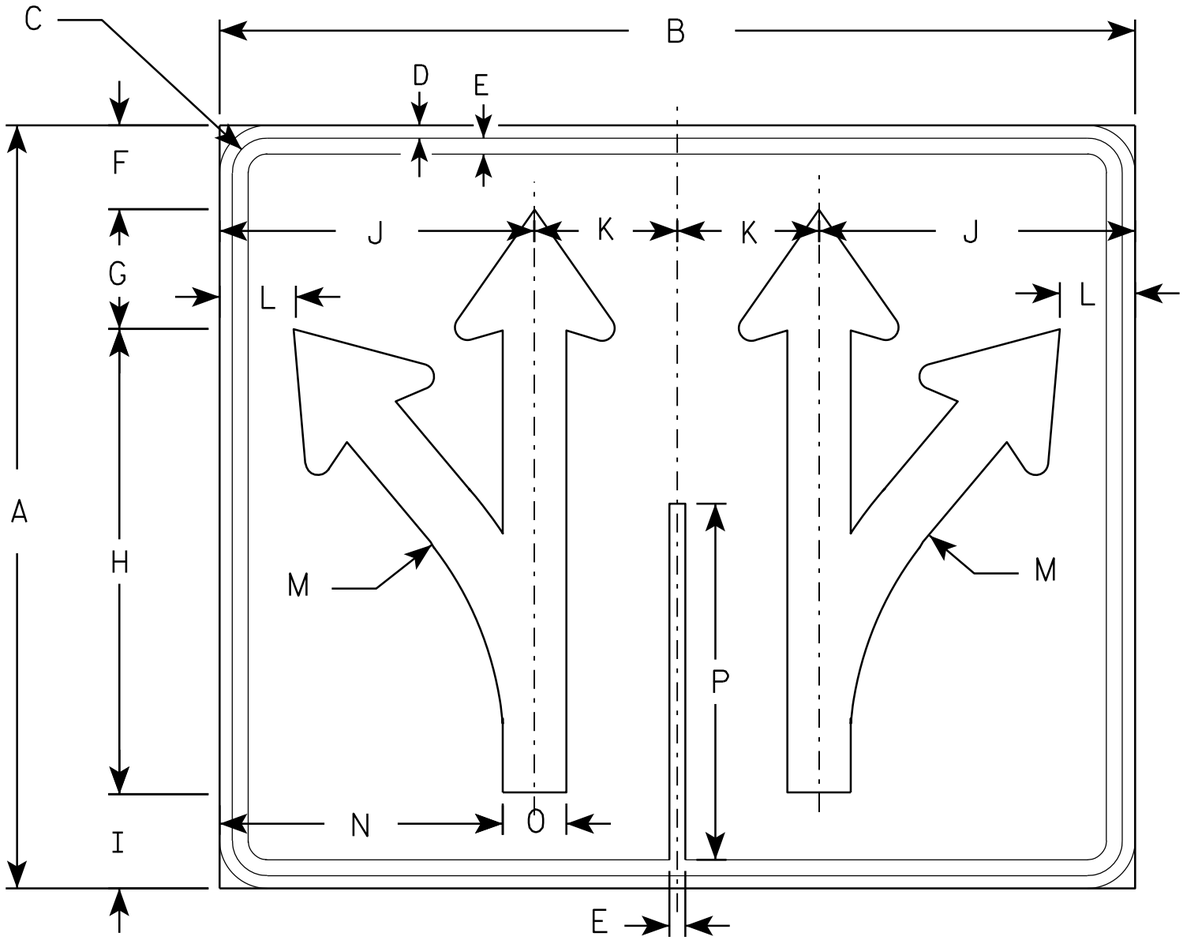
STANDARD SIGN
R3-8 & R3-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

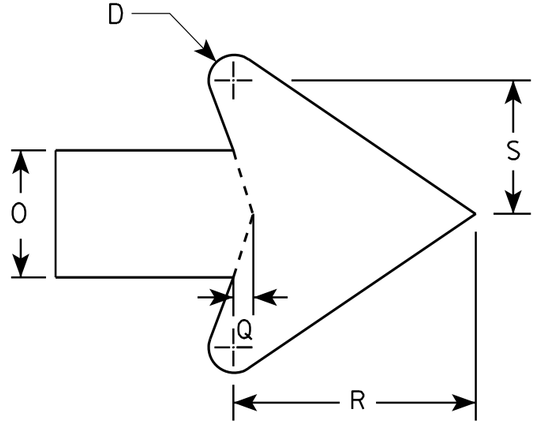
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 275	E



R3-8K

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	3 1/4	4 3/4	18 1/4	3 3/4	12 3/8	5 5/8	3	13 1/4	11 1/8	2 1/2	14	3/8	4 3/4	2 5/8								7.5
2M	30	36	1 3/8	1/2	5/8	3 1/4	4 3/4	18 1/4	3 3/4	12 3/8	5 5/8	3	13 1/4	11 1/8	2 1/2	14	3/8	4 3/4	2 5/8								7.5
3																											
4	48	54	2 1/4	3/4	1	5 1/4	7 1/2	29 1/4	5 7/8	18 5/8	8 3/8	4 3/8	22 1/4	16 3/4	3 3/4	22 3/8	5/8	7 1/8	4								18.0
5	48	54	2 1/4	3/4	1	5 1/4	7 1/2	29 1/4	5 7/8	18 5/8	8 3/8	4 3/8	22 1/4	16 3/4	3 3/4	22 3/8	5/8	7 1/8	4								18.0

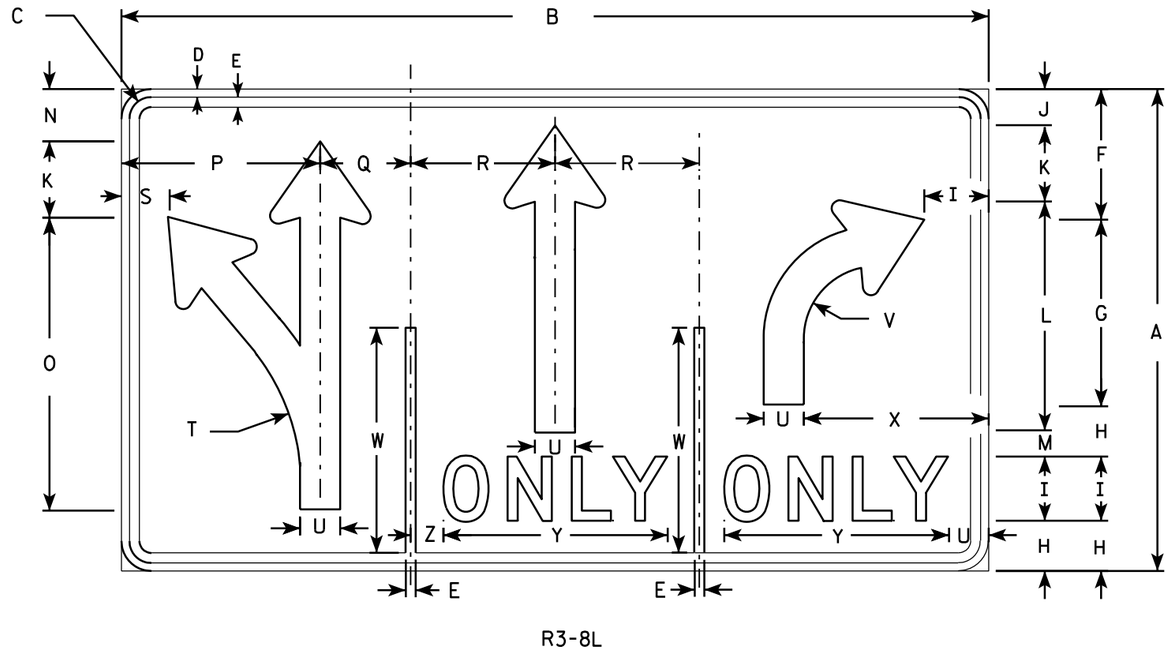
STANDARD SIGN
R3-8K

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/2011 PLATE NO. R3-8K.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 276	E

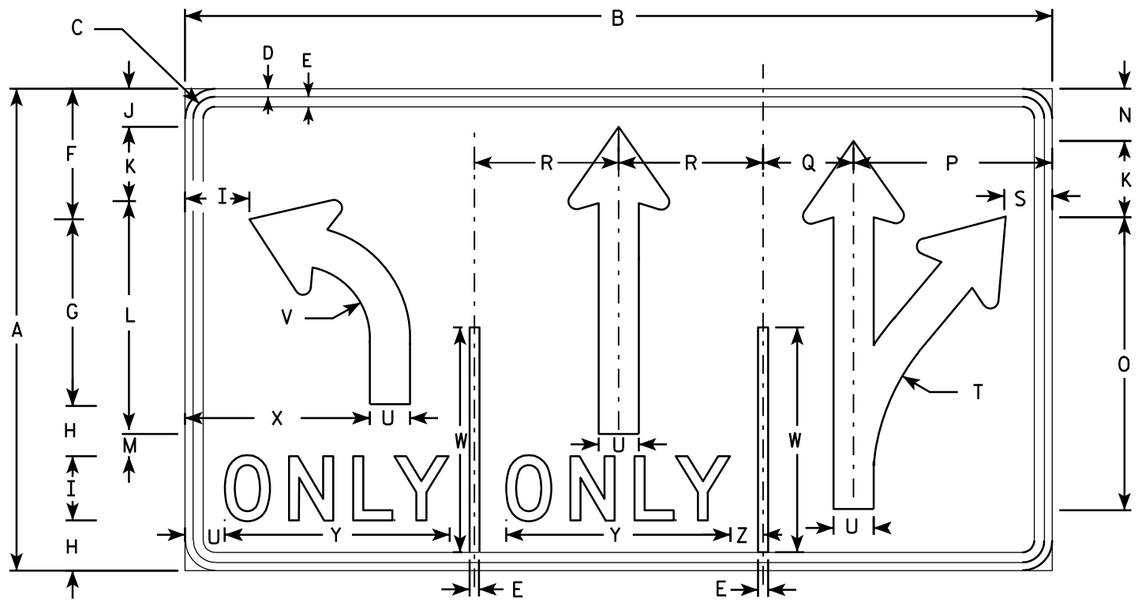


R3-8L

SEE R3-8 FOR ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-8M

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	3 1/4	18 1/4	12 3/8	5 5/8	9	3	13 1/4	2 1/2	4 1/2	14	11 1/2	14	2	11.25
2M	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	3 1/4	18 1/4	12 3/8	5 5/8	9	3	13 1/4	2 1/2	4 1/2	14	11 1/2	14	2	11.25
3																											
4	48	84	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7	29 1/8	2 7/8	5 1/4	29 1/8	18 5/8	8 3/4	14	4 3/8	21 7/8	3 3/4	7 1/4	22 3/8	17 1/4	20 5/8	3 1/4	28.0
5	48	84	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	3 1/2	7	29 1/8	2 7/8	5 1/4	29 1/8	18 5/8	8 3/4	14	4 3/8	21 7/8	3 3/4	7 1/4	22 3/8	17 1/4	20 5/8	3 1/4	28.0

STANDARD SIGN
R3-8L & R3-8M

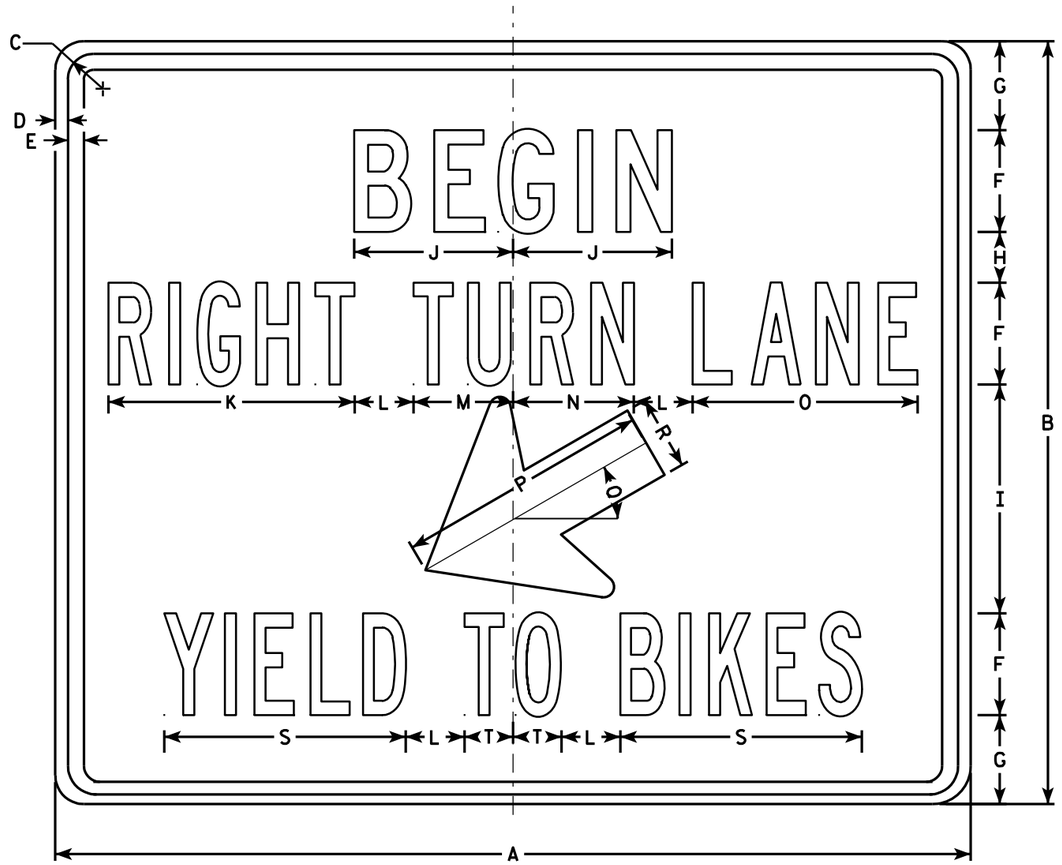
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/2011 PLATE NO. R3-8L.2

PROJECT NO:

SHEET NO: 277 E



R4-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C
   Lines 2 & 3 are Series B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

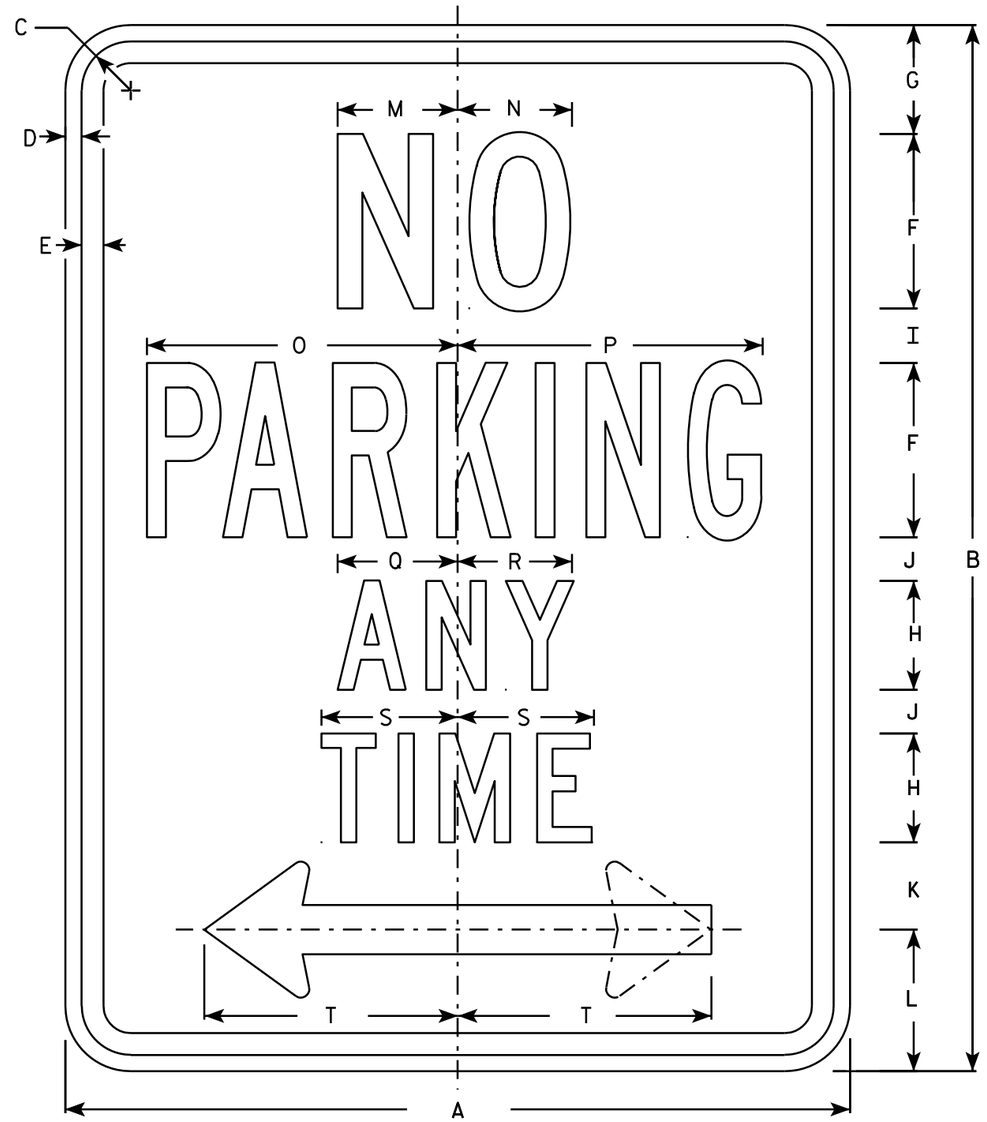
STANDARD SIGN
R4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

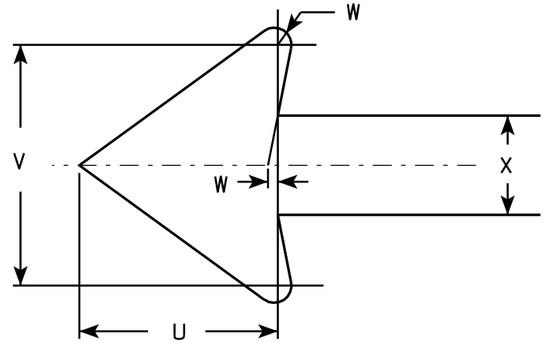
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 278 | E



R7-1

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 - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

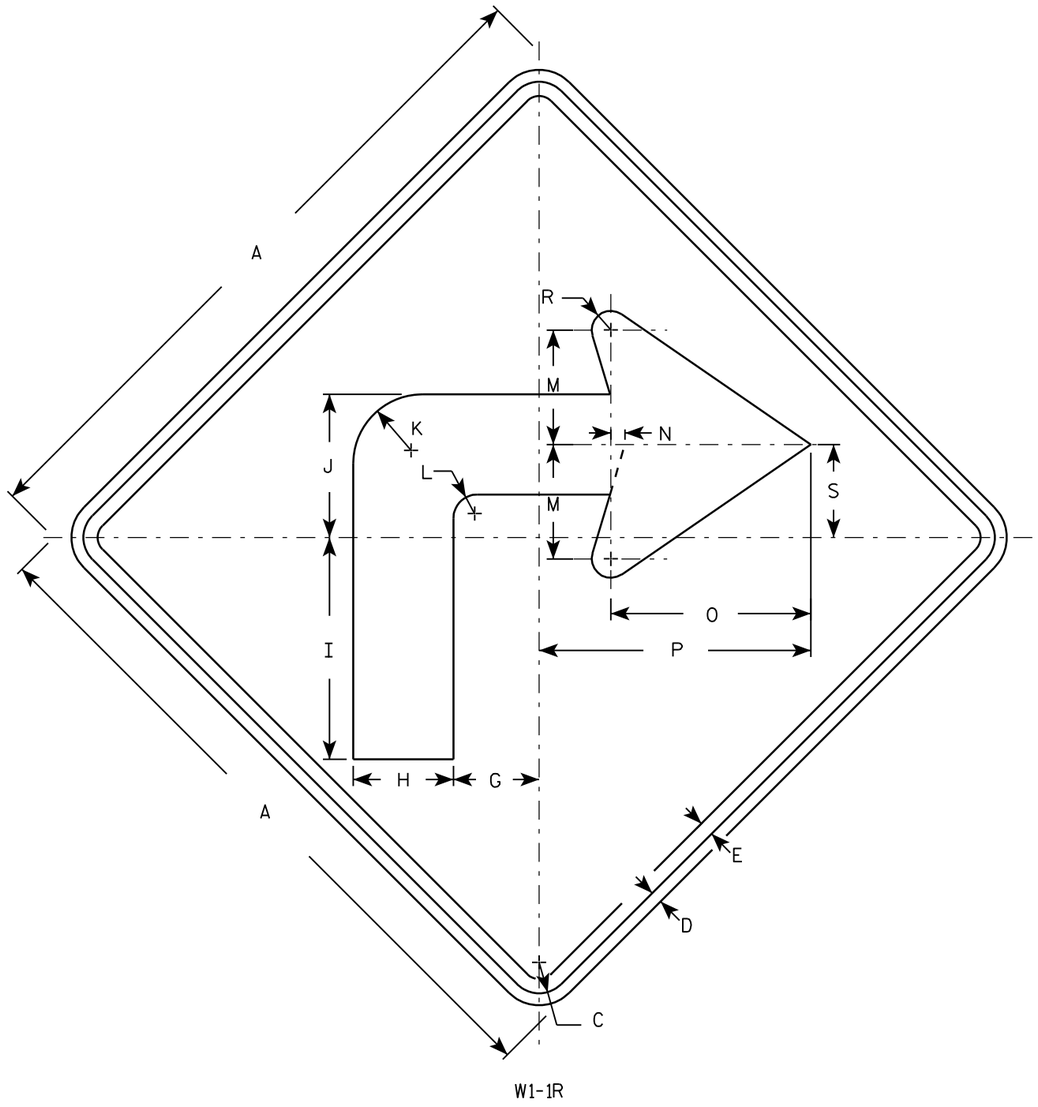
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 279 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

WISDOT/CADDS SHEET 42



W1-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
2S	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

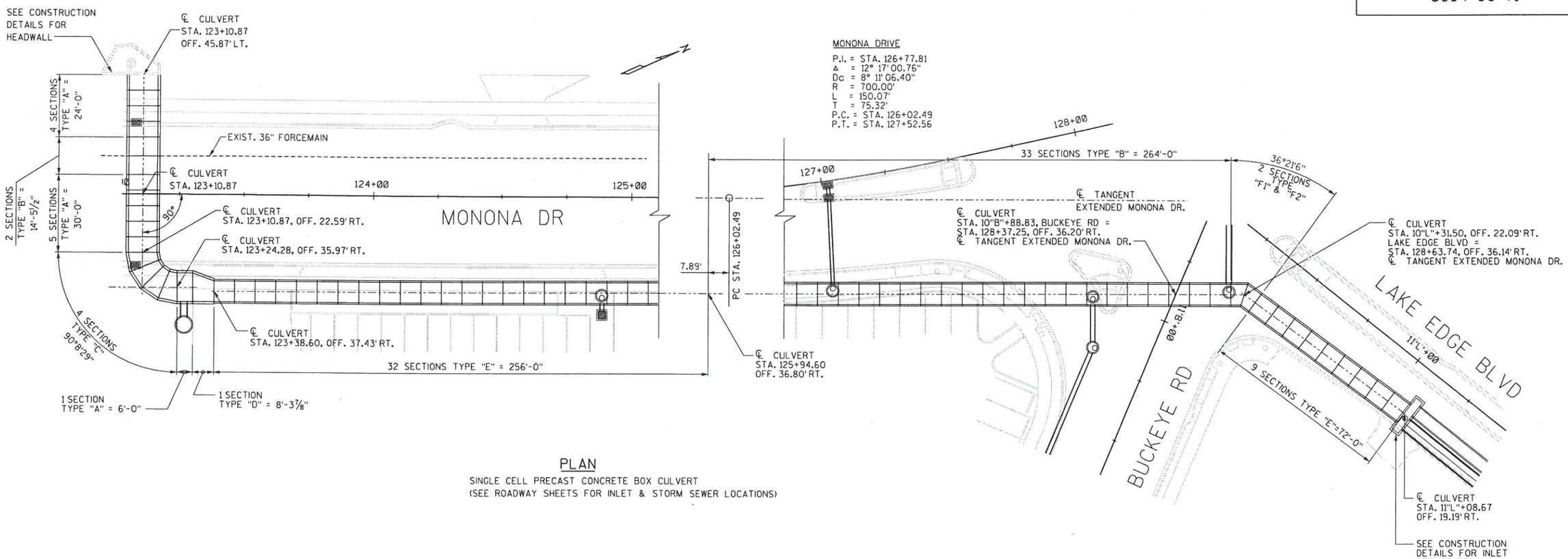
DATE 3/16/11 PLATE NO. W1-1.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 280	E

PLOT BY : msj
PLOT TIME : 11:58:06 AM
PLOT DATE : 12/19/2011
FILE NAME : V:\basket\MJ\Temporary Project Folders\Monona\Preliminary.dgn

STATE PROJECT NUMBER

5994-00-71



PLAN

SINGLE CELL PRECAST CONCRETE BOX CULVERT
(SEE ROADWAY SHEETS FOR INLET & STORM SEWER LOCATIONS)

LIST OF BID ITEMS

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
206.2000	EXCAVATION FOR STRUCTURES, CULVERTS C-13-3003	L.S.	1
311.0110	BREAKER RUN	TON	650
502.5010	MASONRY ANCHORS TYPE L #6 BARS	EA.	15
504.2000.S.01	PRECAST CONCRETE BOX CULVERT 8'X3'	L.F.	602
504.2000.S.02	PRECAST CONCRETE BOX CULVERT 11'X3'	L.F.	104
516.0500	RUBBERIZED WATERPROOFING MEMBRANE	S.Y.	6
520.8000.S	CULVERT PIPE CONCRETE COLLAR	EA.	1
645.0105	GEOTEXTILE FABRIC TYPE C	S.Y.	1135
645.0111	GEOTEXTILE FABRIC TYPE DF SCHEDULE A	S.Y.	385

BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
4	123+02.1	SW COR. CONC BASIN INLET, #4115 MONONA DR	55.8' LT	851.88
6	128+43.8	TOP NUT F.H. BTWN BUCKEYE & LAKE EDGE	106.5' RT	859.88

DESIGN DATA

LIVE LOAD: HL-93
EARTH LOAD DESIGNED FOR 1 TO 4 FEET OF FILL
INVENTORY RATING FACTOR: RF= 1.05
OPERATING RATING FACTOR: RF= 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 KIPS

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY _____ f'c = 5,000 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT ___ fy = 60,000 psi
WELDED WIRE FABRIC ___ fy = 65,000 psi

MISCELLANEOUS METAL:
ALL HARDWARE FOR SLEEVES, ANCHOR BOLTS, INSERTS AND OTHER HARDWARE SHALL BE EITHER HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153, OR EPOXY COATED IN ACCORDANCE WITH ASTM A775.

TRAFFIC VOLUME

TRAFFIC DATA:
ADT= 21,270 (2012)
ADT= 26,330 (2032)
RDS= 35 M.P.H.

HYDRAULIC DATA (N/A)

STRUCTURE IS A STORM SEWER

LIST OF DRAWINGS

1. GENERAL PLAN.
2. ELEVATION, SECTION AND GENERAL NOTES.
3. SUBSURFACE EXPLORATION.
4. PRECAST CONCRETE BARREL DETAILS.
5. PRECAST CONCRETE BARREL DETAILS
6. MISCELLANEOUS DETAILS

WISCONSIN
MICHAEL J. BRYANT E-39218 CHAMPAIGN ILLINOIS
PROFESSIONAL ENGINEER
12/19/11

CONSULTANT CONTACT
MICHAEL BRYANT, P.E.
(217) 353 7302

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
(608) 266 8489

NO.	DATE	REVISION	BY

Foth

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher KAR 12/19/11
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-13-3003

MONONA DR, LAKE EDGE BLVD. OVER STORM SEWER

COUNTY DANE | TOWN/CITY/VILLAGE MONONA

DESIGN SPEC.
AASHTO LRFD DESIGN SPEC. 5th EDITION

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSJ	MJB	MSJ	MJB

GENERAL PLAN

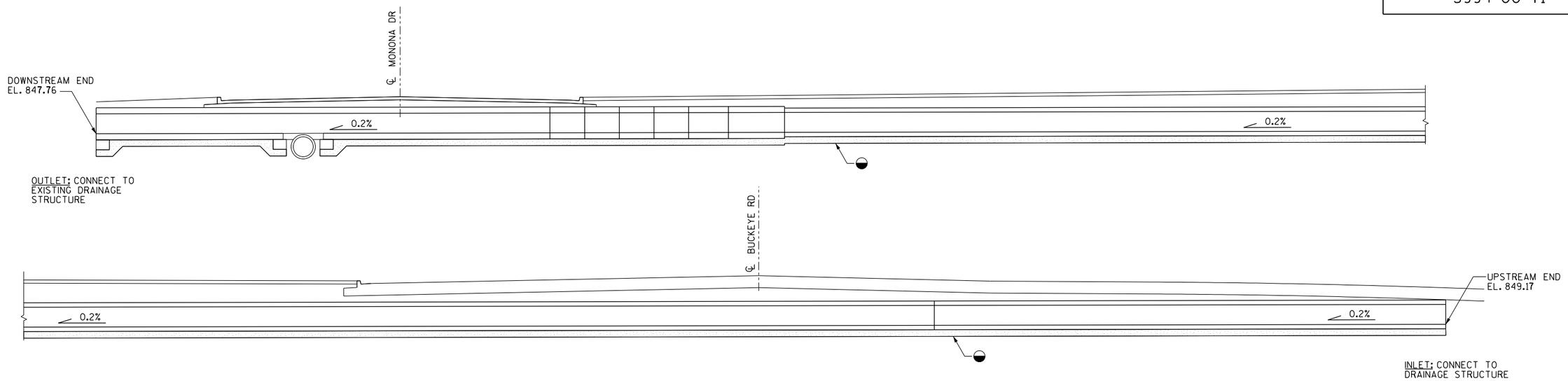
SHEET 1 OF 6
281

8

8

PLOT BY : msj
PLOT TIME : 12:11:35 PM
PLOT DATE : 12/19/2011
FILE NAME : V:\basket\MJ\Temporary Project Folders\Monona\Preliminary.dgn

STATE PROJECT NUMBER
5994-00-71



ELEVATION

(UNFOLDED VIEW LOOKING NORTH & WEST)
(SEE CONSTRUCTION DETAILS FOR INLET & OUTLET STRUCTURES)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 1.5" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

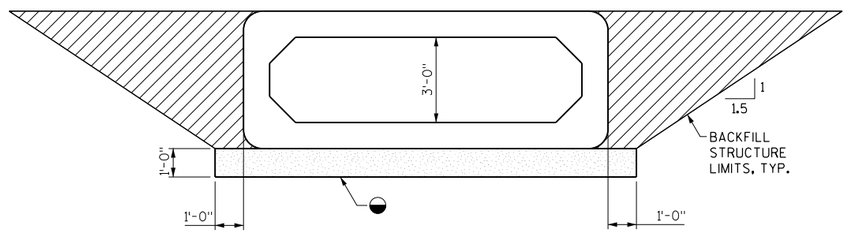
THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUND LINE. ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TO THE ELEVATION OF THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

PRECAST CONCRETE ELEMENTS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM SPECIFICATION C1577; AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS; WISCONSIN DOT BRIDGE MANUAL; WISCONSIN DOT STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS, EXCEPT THAT THE CONCRETE MIXTURE SHALL CONTAIN NOT LESS THAN 565 LBS. OF CEMENTITIOUS MATERIALS PER CUBIC YARD.

NOT MORE THAN 4 HOLES MAY BE CAST, DRILLED OR OTHERWISE NEATLY MADE IN THE SHELL OF EACH PIECE OF BOX SECTION FOR HANDLING. THE HOLES SHALL BE TAPERED UNLESS DRILLED. HOLES SHALL BE FILLED WITH PORTLAND CEMENT MORTAR EXCEPT TAPERED HOLES MAY BE FILLED WITH CONCRETE PLUGS SECURED WITH PORTLAND CEMENT MORTAR OR OTHER APPROVED ADHESIVE.

THE JOINT ON THE BOTTOM OF THE CULVERT AND THE SIDES OF THE CULVERT FROM THE BOTTOM TO A POINT 1'-0" FROM THE CEILING SHALL BE SEALED WITH A PREFORMED MASTIC CONFORMING TO AASHTO SPEC. M198, TYPE B. A 2'-0" STRIP OF GEOTEXTILE FABRIC SHALL BE PLACED OVER THE JOINTS ON THE TOP AND ON THE SIDES OF THE CULVERT. THE GEOTEXTILE FABRIC SHALL COMPLY WITH REQUIREMENTS OF STANDARD SPECIFICATION 645.2.4 SCHEDULE A. PRICE IS INCLUDED UNDER "PRECAST CONCRETE BOX CULVERT 8'X3' AND PRECAST CONCRETE BOX CULVERT 11'X3' ".

FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153, TYPE I, II, OR III, OR DESIGNATION M123.



CROSS SECTION THRU CULVERT

LEGEND

◒ UNDERCUT 1'-0", PLACE GEOTEXTILE FABRIC TYPE C, AND BACKFILL WITH BREAKER RUN STONE. EXTEND 1'-0" BEYOND THE FOOTPRINT OF THE CULVERT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3003

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ELEVATION, TYPICAL SECTION & GENERAL NOTES

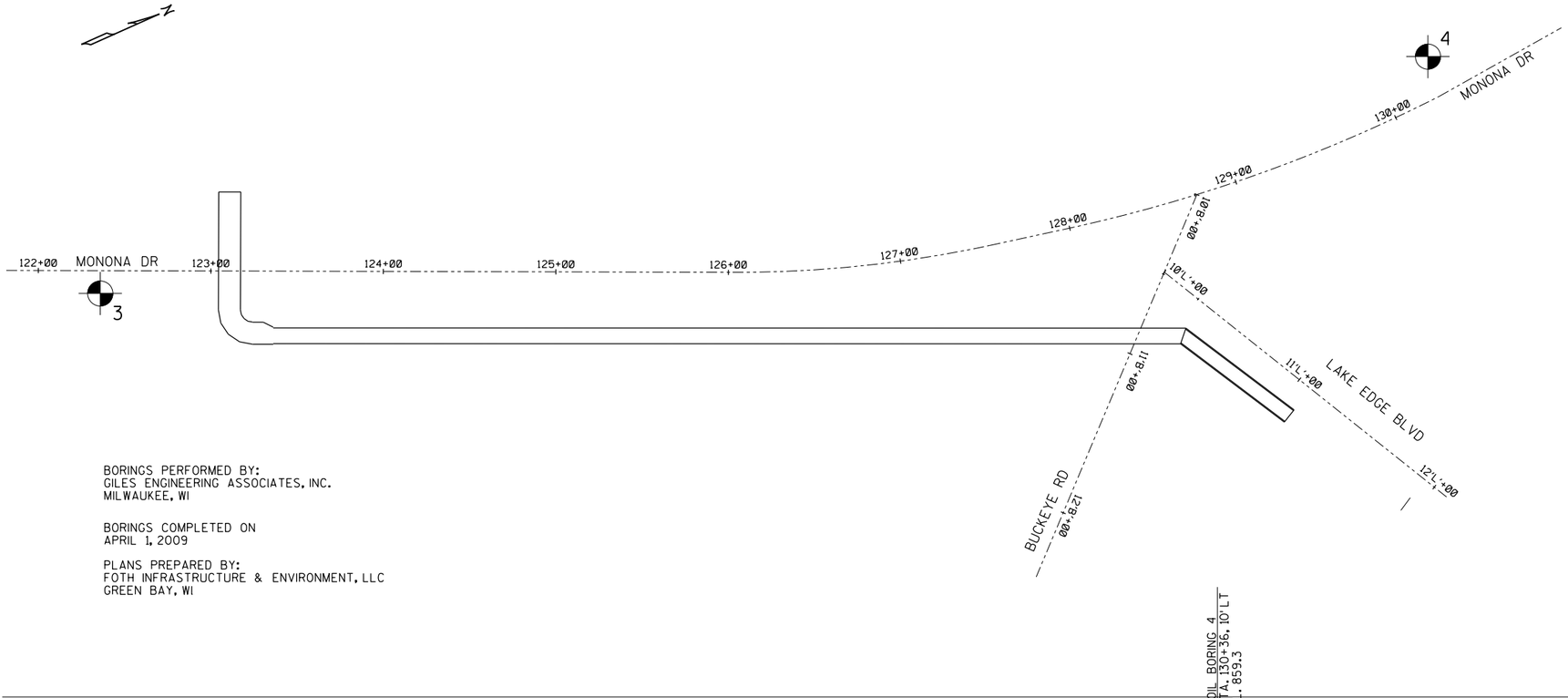
SHEET 2 OF 6
282

SCALE = SECTION

8

8

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BORINGS PERFORMED BY:
GILES ENGINEERING ASSOCIATES, INC.
MILWAUKEE, WI

BORINGS COMPLETED ON
APRIL 1, 2009

PLANS PREPARED BY:
FOTH INFRASTRUCTURE & ENVIRONMENT, LLC
GREEN BAY, WI



STATE PROJECT NUMBER

5994-00-71

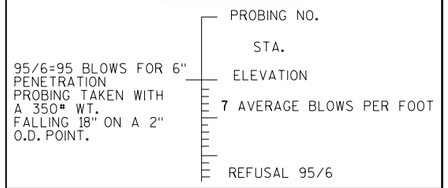
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

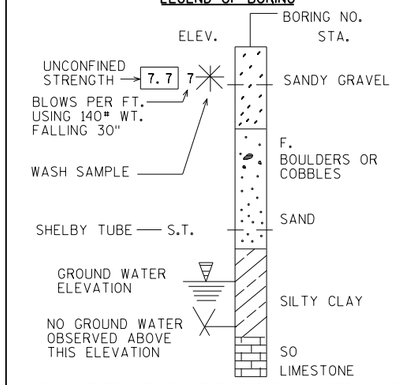
MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3003

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SUBSURFACE EXPLORATION

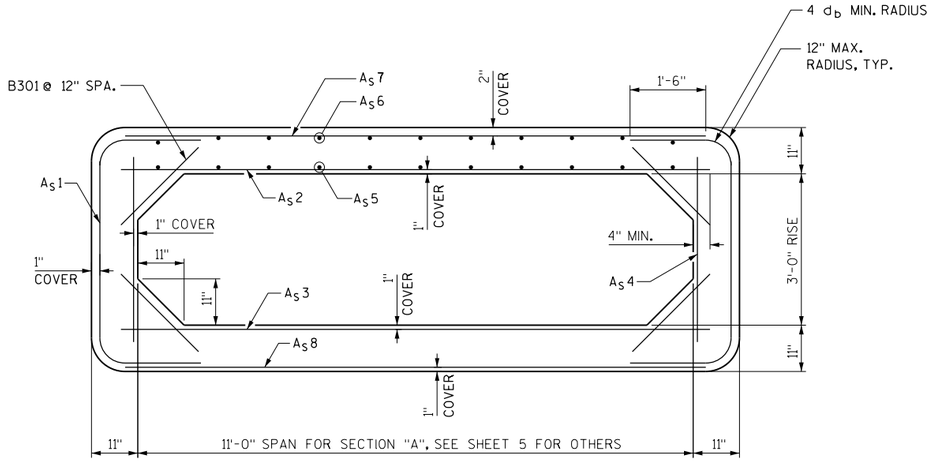
SHEET 3 OF 6
283

SCALE = SECTION

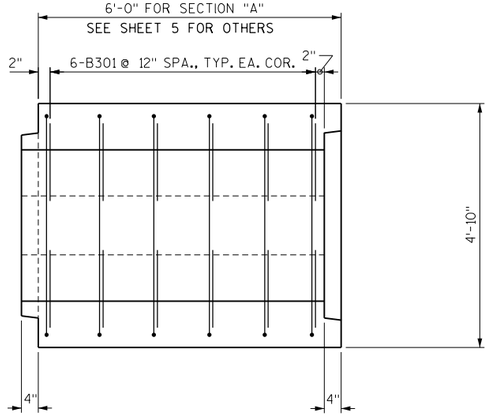
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STATE PROJECT NUMBER

5994-00-71



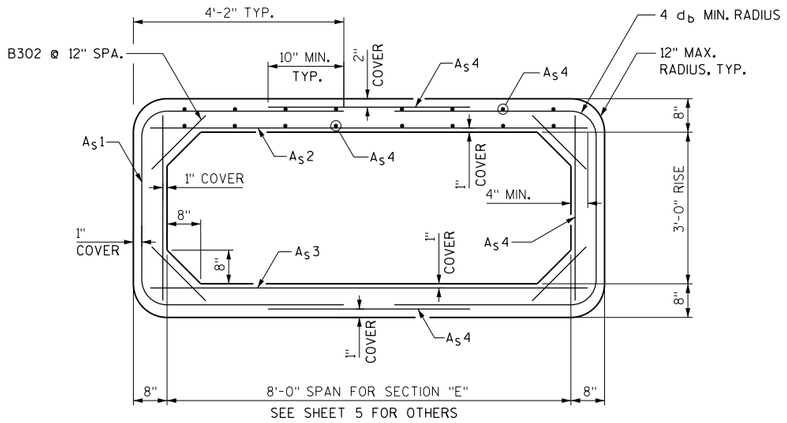
SECTION THRU BARREL - SECTIONS TYPE "A" THRU "D"



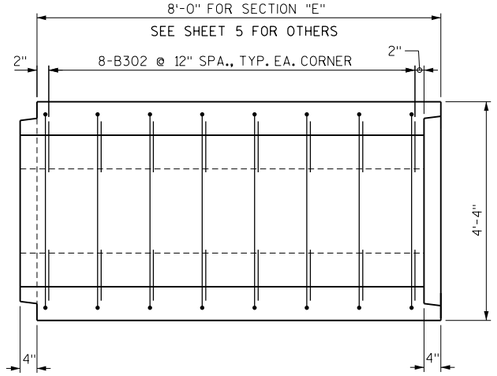
LONGITUDINAL SECTION

OMIT TONGUE OR GROOVE IN PANEL
TIEING INTO OUTLET STRUCTURE

REINFORCEMENT SCHEDULE SECTIONS A THRU D	
REINFORCEMENT	AREA/FT
A_S1	0.35
A_S2	0.36
A_S3	0.30
A_S4	0.26
A_S5	0.26
A_S6	0.26
A_S7	0.26
A_S8	0.26



SECTION THRU BARREL - SECTIONS TYPE "E" & "F"



LONGITUDINAL SECTION

OMIT TONGUE OR GROOVE IN PANEL
TIEING INTO INLET STRUCTURE

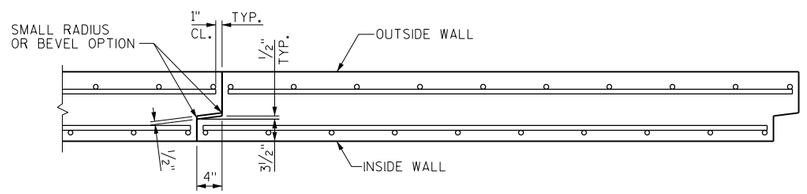
REINFORCEMENT SCHEDULE SECTIONS E AND F	
REINFORCEMENT	AREA/FT
A_S1	0.29
A_S2	0.35
A_S3	0.32
A_S4	0.19

NOTES

DETAILS FOR MATERIAL FABRICATION, CONSTRUCTION AND DESIGN OF PRECAST BOX CULVERTS NOT SHOWN OR STATED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH THE CURRENT ASTM SPECIFICATIONS, C1577; AASHTO LRFD BRIDGE DEDSIGN SPECIFICATIONS; WISDOT BRIDGE MANUAL; WISDOT STANDARD SPECIFICATIONS & APPLICABLE SPECIAL PROVISIONS. EXCEPT THAT THE CONCRETE MIXTURE SHALL CONTAIN NO LESS THAN 565 LBS. OF CEMENTITIOUS MATERIALS PER CUBIC YARD.

THE COVER OF THE CONCRETE OVER THE REINFORCEMENT SHALL BE 1 INCH OR 2 INCHES AS SHOWN WITH AN ALLOWABLE VARIATION OF -3/8" TO 1/2"

THE SPACING OF THE CIRCUMFERENTIAL WIRES SHALL NOT BE LESS THAN 2 INCHES NOR MORE THAN 4 INCHES. THE SPACING OF THE LONGITUDINAL BARS SHALL NOT BE MORE THAN 8 INCHES.



JOINT DETAIL AND BARREL SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3003

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PRECAST CONCRETE BARREL DETAILS

SHEET 4 OF 6
284

SCALE = SECTION

8

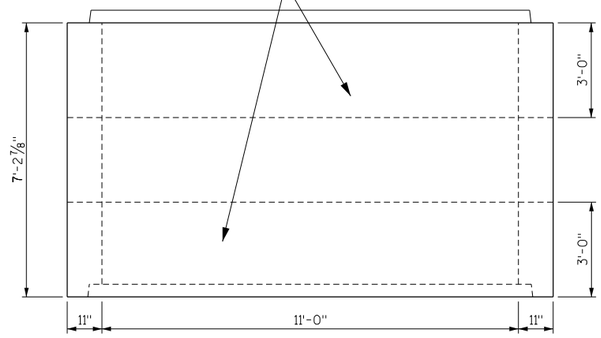
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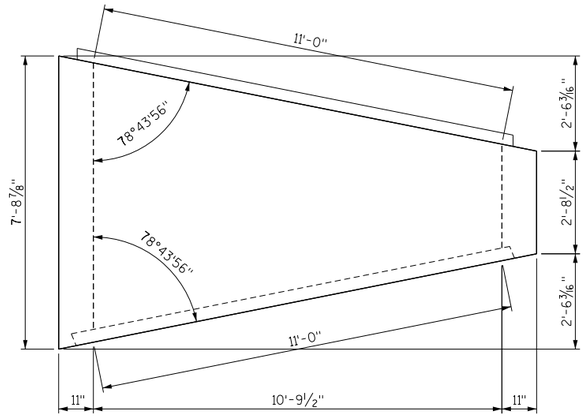
STATE PROJECT NUMBER

5994-00-71

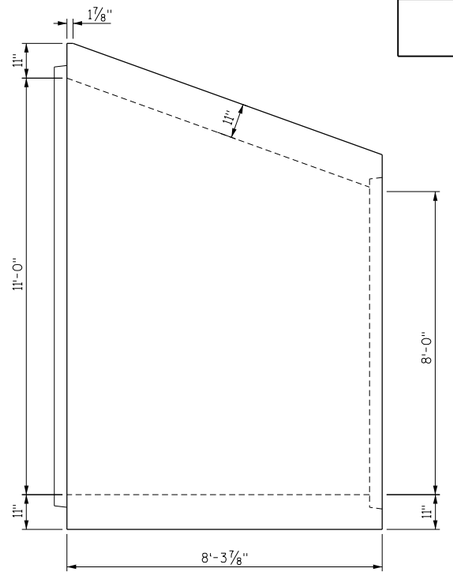
NO CONCRETE TO BE CAST IN THE GROOVE END OF THE BOTTOM SLAB OF ONE SECTION AND AT THE TONGUE END OF THE OTHER SECTION FOR A DISTANCE OF 3'-0" FROM THE END OF THE CULVERT. STEEL TO REMAIN IN PLACE. SEE CONSTRUCTION DETAILS.



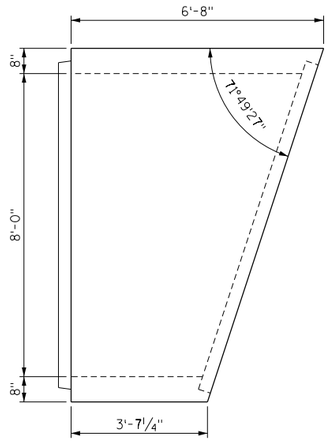
PLAN - SECTION TYPE "B"



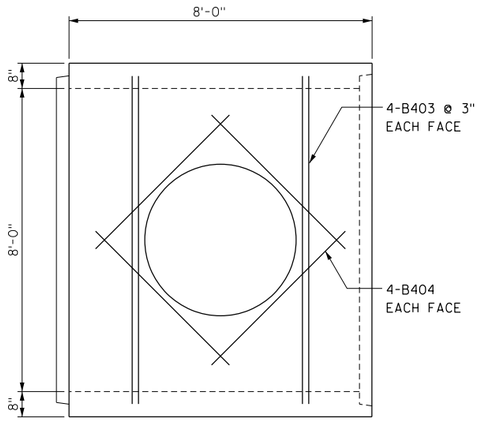
PLAN - SECTION TYPE "C"



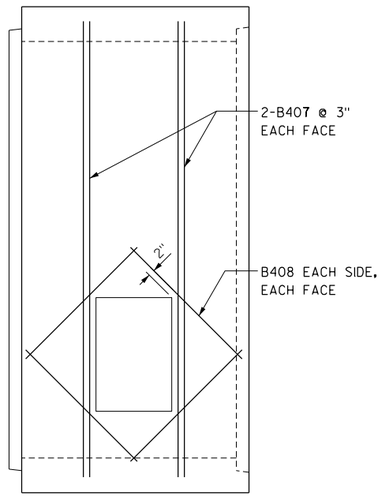
PLAN - SECTION TYPE "D"



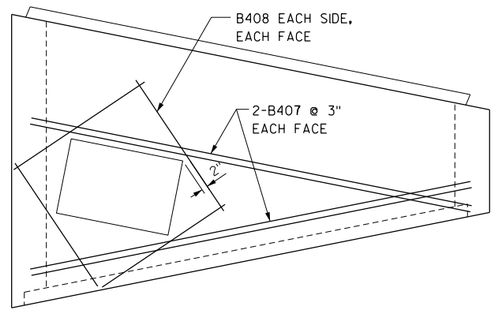
PLAN - SECTION TYPE "F1"



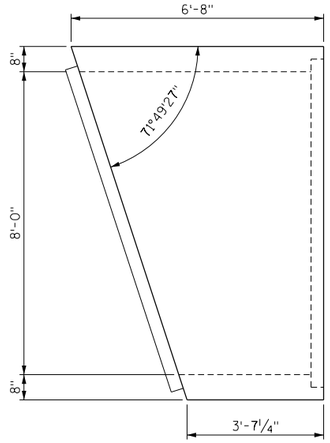
PLAN - ROUND OPENING IN TOP SLAB
SHOWING ADDITIONAL REINFORCEMENT ONLY



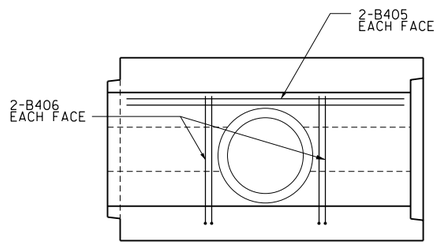
PLAN - RECTANGULAR OPENING IN TOP SLAB
SHOWING ADDITIONAL REINFORCEMENT ONLY



PLAN - RECTANGULAR OPENING IN TOP SLAB
SHOWING ADDITIONAL REINFORCEMENT ONLY



PLAN - SECTION TYPE "F2"



SECTION - OPENING IN SIDE WALL
SHOWING ADDITIONAL REINFORCEMENT ONLY

MANHOLE & PIPE PENETRATIONS

NUMBER	STA.	TOP OPENING	SIDE OPENING	INVERT
8.4	123+08.12 RT	2'X3'	-	-
8.5	123+08.10 LT	2'X3'	-	-
9.1	123+26.93 RT	-	27" NOM	848.19
9.3	124+88.65 RT	4' DIA.	15" NOM	849.60
10.0	127+98.84 RT	4' DIA.	-	-
11.0	127+93.79 RT	4' DIA.	18" NOM	850.00
12.0	128+41.67 RT	4' DIA.	18" NOM	850.00

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3003

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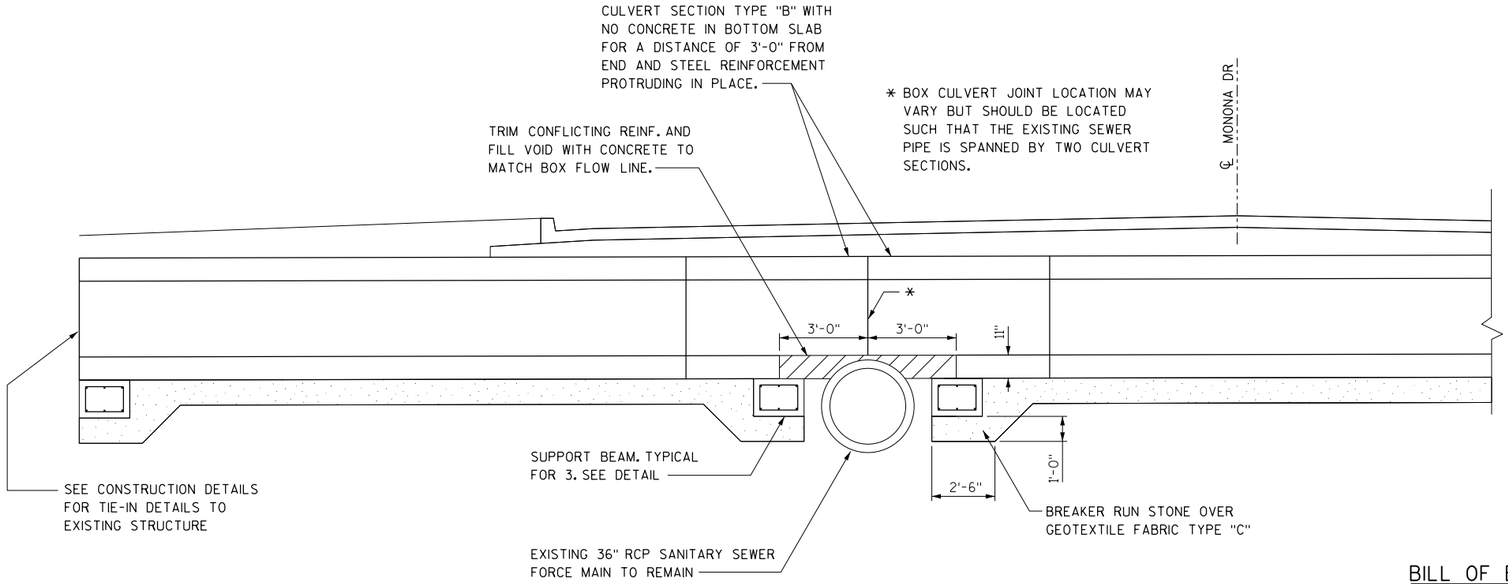
PRECAST CONCRETE BARREL DETAILS

SHEET 5 OF 6
285

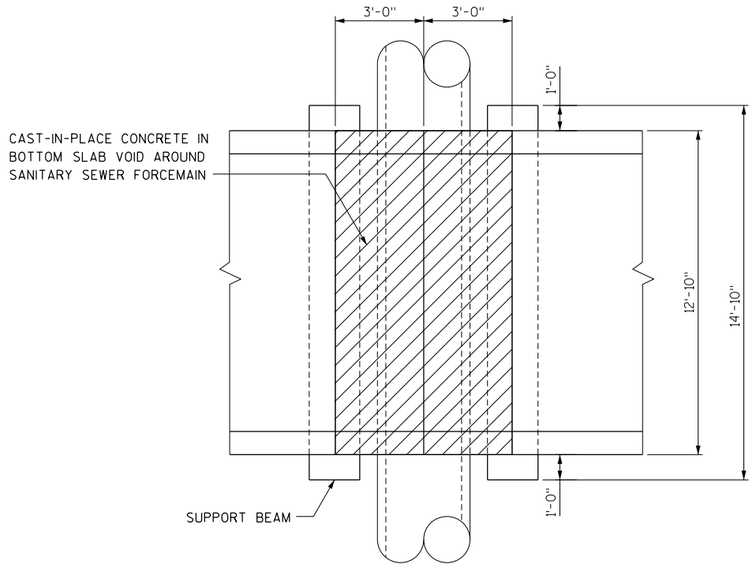
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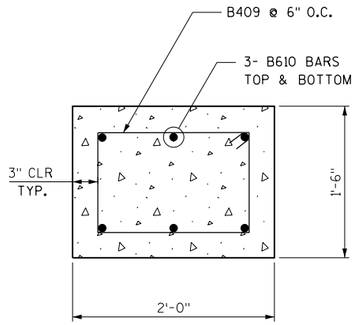
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ELEVATION
(LOOKING NORTH)



PLAN

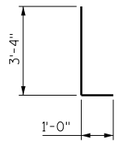


SECTION THRU SUPPORT BEAM

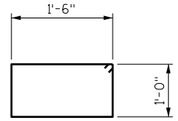
BILL OF BARS

(FOR INFORMATION ONLY: COST INCLUDED UNDER "PRECAST CONCRETE BOX CULVERT 8'X3'" & PRECAST CONCRETE CULVERT 11'X3'")

BAR MARK	LENGTH	BENT	LOCATION
B301	3'-0"		BARREL HAUNCH
B302	2'-0"		BARREL HAUNCH
B403	8'-8"		BARREL TOP SLAB AT OPENING
B404	5'-0"		BARREL TOP SLAB AT OPENING
B405	7'-6"		BARREL WALL AT OPENING
B406	4'-3"	X	BARREL WALL AT OPENING
B407	12'-0"		BARREL TOP SLAB AT OPENING
B408	4'-2"		BARREL TOP SLAB AT OPENING
B409	5'-6"	X	SUPPORT BEAM STIRRUP
B610	14'-4"		SUPPORT BEAM LONGITUDINAL



B406



B409

SANITARY SEWER CROSSING DETAIL

(STA. 123+10)
(COST INCLUDED UNDER "PRECAST CONCRETE BOX CULVERT 11'X3'")

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3003

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MISCELLANEOUS DETAILS

SHEET 6 OF 6
286

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SCALE = SECTION

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8

STAGE 1 - MONONA DRIVE

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
112+00	1.00	23.63	0	0	1.2	0	0	0	0
112+42	1.00	6.54	23	23	1.2	0	0	0	23
112+50	1.00	6.46	2	2	1.2	0	0	0	25
113+00	1.00	21.16	26	26	1.2	0	0	0	51
113+50	1.00	20.58	39	39	1.2	0	0	0	90
114+00	1.00	18.93	37	37	1.2	0	0	0	126
114+50	1.00	19.16	35	35	1.2	0.058	0.05	0.06	161
114+64	1.00	23.74	11	11	1.2	0	0.02	0.02	173
115+00	1.00	21.94	30	30	1.2	0	0	0	203
115+38	1.00	18.26	28	28	1.2	0	0	0	231
115+50	1.00	20.79	9	9	1.2	0	0	0	240
116+00	1.00	18.77	37	37	1.2	0	0	0	277
116+46	1.00	22.82	35	35	1.2	0	0	0	312
116+50	1.00	23.99	3	3	1.2	0	0	0	315
117+00	1.00	20.49	41	41	1.2	0	0	0	357
117+16	1.00	24.35	13	13	1.2	0	0	0	370
117+50	1.00	20.22	28	28	1.2	0	0	0	398
118+00	1.00	20.74	38	38	1.2	0	0	0	436
118+04	1.00	20.85	3	3	1.2	0	0	0	439
118+50	1.00	19.53	34	34	1.2	0	0	0	473
119+00	1.00	24.24	41	41	1.2	0	0	0	514
119+50	1.00	23.21	44	44	1.2	0	0	0	558
119+65	1.00	23.51	13	13	1.2	0	0	0	571
120+00	1.00	25.21	32	32	1.2	0	0	0	602
120+14	1.00	34.59	16	16	1.2	0	0	0	618
120+50	1.00	32.69	45	45	1.2	0	0	0	663
121+00	1.00	33.65	61	61	1.2	0	0	0	724
121+50	1.00	23.26	53	53	1.2	0	0	0	777
121+97	1.00	24.72	42	42	1.2	0	0	0	819
122+00	1.00	24.58	3	3	1.2	0	0	0	821
122+39	1.00	28.28	38	38	1.2	0	0	0	860
122+50	1.00	27.08	11	11	1.2	0	0	0	871
122+65	1.00	25.49	15	15	1.2	0	0	0	885
123+00	1.00	25.35	33	33	1.2	0	0	0	918
123+50	1.00	27.61	49	49	1.2	0	0	0	967
124+00	1.00	30.63	54	54	1.2	0	0	0	1021
124+50	1.00	27.87	54	54	1.2	0	0	0	1076
124+56	1.00	22.95	6	6	1.2	0	0	0	1081
124+99	1.00	23.25	37	37	1.2	0	0	0	1118
125+00	1.00	23.29	1	1	1.2	0	0	0	1119
125+38	1.00	29.43	37	37	1.2	0	0	0	1156
125+50	1.00	26.43	12	12	1.2	0	0	0	1168
125+88	1.00	27.69	38	38	1.2	0	0	0	1206
126+00	1.00	29.43	13	13	1.2	0	0	0	1219
126+50	1.00	44.62	69	69	1.2	0	0	0	1288
126+71	1.00	41.51	33	33	1.2	0	0	0	1321
127+00	1.00	46.32	47	47	1.2	0	0	0	1368
127+50	1.00	55.7	94	94	1.2	0	0	0	1463
128+00	1.00	42.27	91	91	1.2	0	0	0	1554
128+11	1.00	42.96	17	17	1.2	0	0	0	1571
128+50	1.00	48.74	66	66	1.2	0	0	0	1637
128+73	1.00	52.78	43	43	1.2	0	0	0	1680
129+00	1.00	47.94	50	50	1.2	0	0	0	1731
129+23	1.00	45.28	40	40	1.2	0	0	0	1770
129+50	1.00	63.16	54	54	1.2	0	0	0	1825
129+73	1.00	65.67	55	55	1.2	0	0	0	1879
129+98	1.00	68.23	62	62	1.2	0	0	0	1941
130+00	1.00	68.36	5	5	1.2	0	0	0	1947
130+30	1.00	65.48	74	74	1.2	0	0	0	2021
130+50	1.00	57.92	46	46	1.2	0	0	0	2067
131+00	1.00	42.36	93	93	1.2	0	0	0	2159

STAGE 1 - MONONA DRIVE CONTINUED

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
131+31	1.00	40.09	47	47	1.2	0	0	0	2207
131+50	1.00	35.68	27	27	1.2	0	0	0	2233
132+00	1.00	26.09	57	57	1.2	0	0	0	2291
132+14	1.00	24.28	13	13	1.2	0	0	0	2304
132+50	1.00	21.31	30	30	1.2	0	0	0	2334
132+73	1.00	19.31	17	17	1.2	0	0	0	2351
133+00	1.00	20.82	20	20	1.2	0	0	0	2371
133+32	1.00	28.16	29	29	1.2	0	0	0	2400
133+50	1.00	28.91	19	19	1.2	0	0	0	2420
133+92	1.00	17.39	36	36	1.2	0.79	0.61	0.74	2455
134+00	1.00	16.98	5	5	1.2	0.59	0.20	0.25	2460
134+50	1.00	21.7	36	36	1.2	0	0.55	0.66	2495
134+51	1.00	21.69	1	1	1.2	0	0	0	2496
134+75	1.00	22.21	20	20	1.2	0	0	0	2515
134+86	1.00	18.85	8	8	1.2	0	0	0	2523
135+00	1.00	20.09	10	10	1.2	0	0	0	2534
135+10	1.00	18.18	7	7	1.2	0.16	0.03	0.04	2541
135+50	1.00	17.95	27	27	1.2	0.19	0.26	0.31	2567
135+75	1.00	18.24	17	17	1.2	0	0.09	0.11	2584
135+94	1.00	21.07	14	14	1.2	0	0	0	2598
136+00	1.00	21.49	5	5	1.2	0	0	0	2602
136+02	1.00	21.12	2	2	1.2	0	0	0	2604
136+50	1.00	21.07	38	38	1.2	0	0	0	2641
136+55	1.00	20.82	4	4	1.2	0	0	0	2645
136+71	1.00	17.67	11	11	1.2	0	0	0	2657
137+00	1.00	24.14	22	22	1.2	0	0	0	2679
137+14	1.00	19.98	11	11	1.2	0	0	0	2691
137+41	1.00	17.26	19	19	1.2	0	0	0	2709
137+50	1.00	17.35	6	6	1.2	0	0	0	2715
137+80	1.00	17.55	19	19	1.2	0	0	0	2734
138+00	1.00	16.63	13	13	1.2	0	0	0	2747
138+50	1.00	6.36	21	21	1.2	0	0	0	2768
138+62	1.00	6.56	3	3	1.2	0	0	0	2771
138+72	1.00	6.62	2	2	1.2	0	0	0	2774
138+86	1.00	1.38	2	2	1.2	0	0	0	2776
139+00	1.00	20.43	6	6	1.2	0	0	0	2781
139+41	1.00	23.03	33	33	1.2	0	0	0	2814
139+50	1.00	28.78	9	9	1.2	0	0	0	2823
139+54	1.00	29.78	4	4	1.2	0	0	0	2827
140+00	1.00	29.92	51	51	1.2	0	0	0	2878
140+42	1.00	36.75	52	52	1.2	0	0	0	2930
140+50	1.00	36.24	11	11	1.2	0	0	0	2941
140+53	1.00	36.32	4	4	1.2	0	0	0	2945
140+81	1.00	36.68	38	38	1.2	0	0	0	2983
141+00	1.00	38.56	26	26	1.2	0	0	0	3009
141+22	1.00	43.95	34	34	1.2	0	0	0	3043
141+50	1.00	27.26	37	37	1.2	0	0	0	3080
142+00	1.00	25.14	49	49	1.2	0	0	0	3128
142+26	1.00	25.91	25	25	1.2	0	0	0	3153
142+50	1.00	7.21	15	15	1.2	0	0	0	3168
142+66	1.00	27.76	10	10	1.2	0	0	0	3178
143+00	1.00	41.76	44	44	1.2	0	0	0	3222
143+50	1.00	40.69	76	76	1.2	3.53	3.27	3.92	3294
144+00	1.00	37.77	73	73	1.2	0	3.27	3.92	3363
144+50	1.00	40.89	73	73	1.2	0	0	0	3436
144+82	1.00	61.37	61	61	1.2	0	0	0	3496
145+00	1.00	40.13	34	34	1.2	0	0	0	3530
145+50	1.00	43.03	77	77	1.2	0	0	0	3607
145+77	1.00	38.63	41	41	1.2	0	0	0	3648
145+80	1.00	38.03	4	4	1.2	0	0	0	3652
146+00	1.00	29.09	25	25	1.2	0	0	0	3677

STAGE 1 - MONONA DRIVE CONTINUED

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
146+50	1.00	17.28	43	43	1.2	0	0	0	3720
147+00	1.00	11.91	27	27	1.2	0	0	0	3747
147+46	1.00	11.77	20	20	1.2	0	0	0	3767
147+50	1.00	11.83	2	2	1.2	0	0	0	3769
STAGE 1 - MONONA DRIVE TOTALS:			3779	3779			8.35	10.02	3769
STAGE 1 TOTALS:			3779	3779			8.35	10.02	3769

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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	EARTHWORK	SHEET 287	E

STAGE 2 - MONONA DRIVE

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
112+00	1.0	63.11	0	0	1.2	0	0	0	0
112+42	1.0	47.17	86	86	1.2	0	0	0	86
112+50	1.0	47.51	14	14	1.2	0	0	0	100
113+00	1.0	92.45	130	130	1.2	0	0	0	229
113+50	1.0	94.44	173	173	1.2	0	0	0	402
114+00	1.0	88.98	170	170	1.2	0	0	0	572
114+50	1.0	79.38	156	156	1.2	0	0	0	728
114+64	1.0	87.8	43	43	1.2	0	0	0	772
115+00	1.0	72.35	107	107	1.2	0	0	0	878
115+38	1.0	74.25	103	103	1.2	0	0	0	981
115+50	1.0	74.75	33	33	1.2	0	0	0	1015
116+00	1.0	76.05	140	140	1.2	0	0	0	1154
116+46	1.0	72.55	127	127	1.2	0	0	0	1281
116+50	1.0	72.26	11	11	1.2	0	0	0	1291
117+00	1.0	69.06	131	131	1.2	0	0	0	1422
117+16	1.0	67.42	40	40	1.2	1.62	0.48	0.58	1462
117+50	1.0	63.2	82	82	1.2	8.04	6.08	7.30	1537
118+00	1.0	56.04	110	110	1.2	9.29	16.05	19.26	1628
118+04	1.0	55.41	8	8	1.2	9.15	1.37	1.64	1635
118+50	1.0	56.07	95	95	1.2	12.96	18.83	22.60	1707
119+00	1.0	59.59	107	107	1.2	8.59	19.95	23.94	1790
119+50	1.0	61.38	112	112	1.2	1.43	9.28	11.13	1891
119+65	1.0	66.61	36	36	1.2	0	0.40	0.48	1926
120+00	1.0	64.93	85	85	1.2	5.12	3.32	3.98	2008
120+14	1.0	66.22	34	34	1.2	6.73	3.07	3.69	2038
120+50	1.0	66.75	89	89	1.2	7.46	9.46	11.35	2115
121+00	1.0	69.33	126	126	1.2	8.72	14.98	17.98	2223
121+50	1.0	69.43	128	128	1.2	8.61	16.05	19.26	2333
121+97	1.0	66.73	119	119	1.2	0.19	7.66	9.19	2442
122+00	1.0	66.6	7	7	1.2	0.18	0.02	0.02	2449
122+39	1.0	64.63	95	95	1.2	0.43	0.44	0.53	2543
122+50	1.0	63.4	26	26	1.2	6.56	1.42	1.71	2568
122+65	1.0	67.17	36	36	1.2	0	1.82	2.19	2602
123+00	1.0	64.68	85	85	1.2	1.59	1.03	1.24	2686
123+50	1.0	66.23	121	121	1.2	3.51	4.72	5.67	2802
124+00	1.0	67.16	124	124	1.2	0	3.25	3.90	2921
124+50	1.0	71.55	128	128	1.2	0	0	0	3050
124+56	1.0	71.6	16	16	1.2	0	0	0	3066
124+99	1.0	66.19	110	110	1.2	0	0	0	3175
125+00	1.0	66.24	2	2	1.2	0	0	0	3178
125+38	1.0	69.92	96	96	1.2	0	0	0	3274
125+50	1.0	68.7	31	31	1.2	0	0	0	3304
125+88	1.0	64.15	93	93	1.2	0	0	0	3398
126+00	1.0	59.02	27	27	1.2	0	0	0	3425
126+50	1.0	65.26	115	115	1.2	0	0	0	3540
126+71	1.0	60.53	49	49	1.2	0	0	0	3589
127+00	1.0	64.33	67	67	1.2	0	0	0	3656
127+50	1.0	56.7	112	112	1.2	0	0	0	3768
128+00	1.0	50.87	100	100	1.2	0	0	0	3868
128+11	1.0	51.84	21	21	1.2	1.51	0.31	0.37	3889
128+50	1.0	51.29	74	74	1.2	0	1.09	1.31	3962
128+73	1.0	48.21	42	42	1.2	0	0	0	4004
129+00	1.0	50.29	49	49	1.2	0	0	0	4053
129+23	1.0	51.86	44	44	1.2	0	0	0	4097
129+50	1.0	56.48	54	54	1.2	0	0	0	4151
129+73	1.0	52.41	46	46	1.2	0	0	0	4197
129+98	1.0	53.33	49	49	1.2	0	0	0	4246
130+00	1.0	53.45	4	4	1.2	0.3	0.01	0.01	4250
130+30	1.0	52.39	59	59	1.2	1.1	0.78	0.93	4308
130+50	1.0	50.82	38	38	1.2	0.3	0.52	0.62	4346
131+00	1.0	47.35	91	91	1.2	0	0.28	0.33	4436

STAGE 2 - MONONA DRIVE CONTINUED

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
131+31	1.0	49.03	55	55	1.2	0	0	0	4492
131+50	1.0	51.44	35	35	1.2	0	0	0	4527
132+00	1.0	47.31	91	91	1.2	0	0	0	4618
132+14	1.0	48.07	25	25	1.2	0	0	0	4643
132+50	1.0	43.51	61	61	1.2	0	0	0	4704
132+73	1.0	46.68	38	38	1.2	0	0	0	4743
133+00	1.0	47.88	47	47	1.2	0	0	0	4790
133+32	1.0	50.78	58	58	1.2	0	0	0	4848
133+50	1.0	48.17	33	33	1.2	0	0	0	4881
133+92	1.0	56.1	81	81	1.2	0	0	0	4962
134+00	1.0	56.7	17	17	1.2	0	0	0	4979
134+50	1.0	60.38	108	108	1.2	0	0	0	5088
134+51	1.0	60.26	2	2	1.2	0	0	0	5090
134+75	1.0	59.59	53	53	1.2	0	0	0	5143
134+86	1.0	60.29	24	24	1.2	0	0	0	5168
135+00	1.0	59.56	31	31	1.2	0	0	0	5199
135+10	1.0	58.96	22	22	1.2	0	0	0	5221
135+50	1.0	57.74	86	86	1.2	0	0	0	5307
135+75	1.0	62.95	56	56	1.2	0	0	0	5363
135+94	1.0	58.62	43	43	1.2	0	0	0	5406
136+00	1.0	63.62	14	14	1.2	0	0	0	5419
136+02	1.0	63.61	5	5	1.2	0	0	0	5424
136+50	1.0	55.53	106	106	1.2	0	0	0	5530
136+55	1.0	54.87	10	10	1.2	0	0	0	5540
136+71	1.0	58.29	34	34	1.2	0	0	0	5574
137+00	1.0	56.82	62	62	1.2	0	0	0	5635
137+14	1.0	63.04	31	31	1.2	0	0	0	5666
137+41	1.0	57.24	60	60	1.2	0	0	0	5727
137+50	1.0	57.58	19	19	1.2	0	0	0	5746
137+80	1.0	61.47	66	66	1.2	0	0	0	5812
138+00	1.0	54.98	43	43	1.2	0	0	0	5855
138+50	1.0	53.89	101	101	1.2	1.59	1.47	1.77	5954
138+62	1.0	53.84	24	24	1.2	5.06	1.48	1.77	5976
138+72	1.0	56.64	20	20	1.2	0.16	0.97	1.16	5996
138+86	1.0	55.98	29	29	1.2	0	0.04	0.05	6025
139+00	1.0	56.83	29	29	1.2	0	0	0	6054
139+41	1.0	58.33	87	87	1.2	0	0	0	6141
139+50	1.0	58.88	20	20	1.2	0	0	0	6161
139+54	1.0	54.03	8	8	1.2	0	0	0	6169
140+00	1.0	64.47	101	101	1.2	0	0	0	6270
140+42	1.0	58.32	96	96	1.2	0	0	0	6366
140+50	1.0	58.25	17	17	1.2	0	0	0	6383
140+53	1.0	58.25	6	6	1.2	0	0	0	6389
140+81	1.0	57.38	60	60	1.2	0	0	0	6449
141+00	1.0	56.78	40	40	1.2	0	0	0	6490
141+22	1.0	58.11	47	47	1.2	0	0	0	6536
141+50	1.0	74.54	69	69	1.2	0	0	0	6605
142+00	1.0	58.16	123	123	1.2	0	0	0	6728
142+26	1.0	56.12	55	55	1.2	0	0	0	6783
142+50	1.0	41.38	43	43	1.2	0	0	0	6826
142+66	1.0	42.23	25	25	1.2	0	0	0	6851
143+00	1.0	42.59	53	53	1.2	0	0	0	6905
143+50	1.0	43.7	80	80	1.2	0	0	0	6984
144+00	1.0	47.49	84	84	1.2	0	0	0	7069
144+50	1.0	53.06	93	93	1.2	0	0	0	7162
144+82	1.0	91.39	86	86	1.2	0	0	0	7248
145+00	1.0	97.05	63	63	1.2	0	0	0	7310
145+50	1.0	74.05	158	158	1.2	0	0	0	7469
145+77	1.0	53.31	64	64	1.2	0	0	0	7533
145+80	1.0	53.19	6	6	1.2	0	0	0	7538
146+00	1.0	52.14	39	39	1.2	0	0	0	7577

STAGE 2 - MONONA DRIVE CONTINUED

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
146+50	1.0	51.37	96	96	1.2	0	0	0	7673
147+00	1.0	48.9	93	93	1.2	0.02	0.02	0.02	7766
147+46	1.0	47.18	82	82	1.2	0.06	0.07	0.08	7848
147+50	1.0	47.19	7	7	1.2	0.06	0.01	0.01	7855
STAGE 2 - MONONA DRIVE TOTALS:			8031	8031			147	176	7855

STAGE 2 - WINNEQUAH ROAD

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
7+20	1.0	73.25	0	0	1.2	0	0.0	0.0	0
7+50	1.0	79.49	85	85	1.2	0.005	0.0	0.0	85
7+61	1.0	77.85	32	32	1.2	0.22	0.0	0.1	117
7+74	1.0	73.14	36	36	1.2	1.38	0.4	0.5	153
7+84	1.0	70.89	27	27	1.2	2.23	0.7	0.8	179
8+00	1.0	68.49	41	41	1.2	5.29	2.2	2.7	217
8+50	1.0	72.12	130	130	1.2	1.04	5.9	7.0	340
8+80	1.0	77.53	83	83	1.2	3.36	2.4	2.9	421
9+00	1.0	82.65	59	59	1.2	2.38	2.1	2.6	477
9+50	1.0	120.87	188	188	1.2	0.096	2.3	2.8	663
9+74	1.0	147.93	119	119	1.2	0	0.0	0.1	782
10+00	1.0	133.82	136	136	1.2	0	0.0	0.0	918
STAGE 2 - WINNEQUAH ROAD TOTALS:			937	937			16.1	19.3	918
STAGE 2 TOTALS:			8968	8968			163	195	8773

STAGE 3 - MONONA DRIVE

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
112+00	1.00	58.99	0	0	1.2	0	0	0	0
112+42	1.00	40.31	77	77	1.2	0	0	0	77
112+50	1.00	39.97	12	12	1.2	0	0	0	89
113+00	1.00	53.92	87	87	1.2	0	0	0	176
113+50	1.00	52.36	98	98	1.2	0	0	0	274
114+00	1.00	48.8	94	94	1.2	0	0	0	368
114+50	1.00	49.11	91	91	1.2	0.06	0.06	0.07	459
114+64	1.00	54.06	27	27	1.2	0	0.02	0.02	485
115+00	1.00	52.82	71	71	1.2	0	0	0	557
115+38	1.00	50.35	73	73	1.2	0	0	0	629
115+50	1.00	53.28	23	23	1.2	0	0	0	652
116+00	1.00	53.1	99	99	1.2	0	0	0	751
116+46	1.00	60.17	96	96	1.2	0	0	0	847
116+50	1.00	61.54	9	9	1.2	0	0	0	856
117+00	1.00	59.87	112	112	1.2	0	0	0	969
117+16	1.00	63.93	37	37	1.2	0	0	0	1005
117+50	1.00	59.18	78	78	1.2	0	0	0	1083
118+00	1.00	57.38	108	108	1.2	0	0	0	1191
118+04	1.00	57.05	8	8	1.2	0	0	0	1199
118+50	1.00	57.48	98	98	1.2	0	0	0	1297
119+00	1.00	63.62	112	112	1.2	0	0	0	1409
119+50	1.00	63.41	118	118	1.2	0	0	0	1527
119+65	1.00	64.19	35	35	1.2	0	0	0	1562
120+00	1.00	67.26	85	85	1.2	0	0	0	1647
120+14	1.00	77.39	38	38	1.2	0	0	0	1685
120+50	1.00	76.76	103	103	1.2	0	0	0	1788
121+00	1.00	77.74	143	143	1.2	0	0	0	1931
121+50	1.00	67.72	135	135	1.2	0	0	0	2065
121+97	1.00	68.64	119	119	1.2	0	0	0	2184
122+00	1.00	68.43	8	8	1.2	0	0	0	2192
122+39	1.00	70.66	100	100	1.2	0	0	0	2292
122+50	1.00	68.69	28	28	1.2	0	0	0	2320
122+65	1.00	68.06	38	38	1.2	0	0	0	2358
123+00	1.00	67.48	88	88	1.2	0	0	0	2446
123+50	1.00	70.89	128	128	1.2	0	0	0	2574
124+00	1.00	73.34	134	134	1.2	0	0	0	2708
124+50	1.00	69.57	132	132	1.2	0	0	0	2840
124+56	1.00	64.57	15	15	1.2	0	0	0	2855
124+99	1.00	65.51	104	104	1.2	0.003	0	0	2959
125+00	1.00	65.58	2	2	1.2	0.004	0	0	2961
125+38	1.00	72.47	97	97	1.2	0	0	0	3058
125+50	1.00	69.84	32	32	1.2	0	0	0	3090
125+88	1.00	72.14	100	100	1.2	0	0	0	3190
126+00	1.00	74.06	32	32	1.2	0	0	0	3222
126+50	1.00	89.14	151	151	1.2	0	0	0	3373
126+71	1.00	85.66	68	68	1.2	0	0	0	3441
127+00	1.00	91.77	95	95	1.2	0	0	0	3537
127+50	1.00	103.33	181	181	1.2	0	0	0	3717
128+00	1.00	85.87	175	175	1.2	0	0	0	3893
128+11	1.00	85.99	35	35	1.2	0	0	0	3928
128+50	1.00	90.24	127	127	1.2	0	0	0	4055
128+73	1.00	96.17	79	79	1.2	0	0	0	4134
129+00	1.00	93.66	95	95	1.2	0	0	0	4229
129+23	1.00	91.94	79	79	1.2	0	0	0	4308
129+50	1.00	112.12	102	102	1.2	0	0	0	4410
129+73	1.00	117.21	98	98	1.2	0	0	0	4508
129+98	1.00	118.46	109	109	1.2	0	0	0	4617
130+00	1.00	118.28	9	9	1.2	0	0	0	4626
130+30	1.00	112.09	128	128	1.2	0	0	0	4754
130+50	1.00	102.58	80	80	1.2	0	0	0	4833
131+00	1.00	84.61	173	173	1.2	0	0	0	5007

STAGE 3 - MONONA DRIVE CONTINUED

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
131+31	1.00	81.75	96	96	1.2	0	0	0	5102
131+50	1.00	75.62	55	55	1.2	0	0	0	5157
132+00	1.00	62.04	127	127	1.2	0	0	0	5285
132+14	1.00	59.61	32	32	1.2	0	0	0	5316
132+50	1.00	56.4	77	77	1.2	0.36	0.24	0.29	5394
132+73	1.00	53.83	47	47	1.2	0	0.15	0.18	5440
133+00	1.00	55.63	55	55	1.2	0	0	0	5495
133+32	1.00	65.72	72	72	1.2	0	0	0	5567
133+50	1.00	67.15	44	44	1.2	0	0	0	5611
133+92	1.00	56.15	96	96	1.2	0	0	0	5707
134+00	1.00	55.25	17	17	1.2	0.59	0.09	0.10	5724
134+50	1.00	60.56	107	107	1.2	0	0.55	0.66	5830
134+51	1.00	60.52	2	2	1.2	0	0	0	5832
134+75	1.00	60.15	54	54	1.2	0	0	0	5886
134+86	1.00	56.36	24	24	1.2	0.002	0	0	5910
135+00	1.00	57.31	29	29	1.2	0	0	0	5939
135+10	1.00	55.3	21	21	1.2	0.16	0.03	0.04	5960
135+50	1.00	54.96	82	82	1.2	0.19	0.26	0.31	6041
135+75	1.00	55.92	51	51	1.2	0.03	0.10	0.12	6093
135+94	1.00	58.57	40	40	1.2	0	0.01	0.01	6133
136+00	1.00	58.87	13	13	1.2	0	0	0	6146
136+02	1.00	58.47	4	4	1.2	0	0	0	6150
136+50	1.00	57.69	103	103	1.2	0	0	0	6254
136+55	1.00	57.23	11	11	1.2	0	0	0	6264
136+71	1.00	53.83	33	33	1.2	0.05	0.01	0.02	6297
137+00	1.00	60.1	61	61	1.2	0	0.03	0.03	6358
137+14	1.00	55.45	30	30	1.2	0	0	0	6388
137+41	1.00	51.85	54	54	1.2	0	0	0	6442
137+50	1.00	51.93	17	17	1.2	0	0	0	6459
137+80	1.00	52.96	58	58	1.2	0	0	0	6517
138+00	1.00	51.56	39	39	1.2	0.01	0	0	6556
138+50	1.00	41.3	86	86	1.2	0	0.01	0.01	6642
138+62	1.00	41.55	18	18	1.2	0	0	0	6660
138+72	1.00	41.68	15	15	1.2	0	0	0	6676
138+86	1.00	35.29	20	20	1.2	0	0	0	6696
139+00	1.00	56.8	24	24	1.2	0	0	0	6720
139+41	1.00	60.42	89	89	1.2	0.02	0.02	0.02	6809
139+50	1.00	66.04	21	21	1.2	0	0	0	6830
139+54	1.00	66.91	10	10	1.2	0	0	0	6840
140+00	1.00	64.64	112	112	1.2	0	0	0	6952
140+42	1.00	72.78	107	107	1.2	0	0	0	7059
140+50	1.00	71.93	21	21	1.2	0	0	0	7080
140+53	1.00	72.02	8	8	1.2	0	0	0	7088
140+81	1.00	73.27	75	75	1.2	0.3	0.16	0.19	7163
141+00	1.00	76.19	53	53	1.2	0.22	0.18	0.22	7215
141+22	1.00	82.7	65	65	1.2	0.03	0.10	0.12	7280
141+50	1.00	67.29	78	78	1.2	0	0.02	0.02	7358
142+00	1.00	63.34	121	121	1.2	0	0	0	7479
142+26	1.00	64.18	61	61	1.2	0	0	0	7540
142+50	1.00	64.87	57	57	1.2	0	0	0	7598
142+66	1.00	66.89	39	39	1.2	0	0	0	7637
143+00	1.00	81.41	93	93	1.2	0	0	0	7730
143+50	1.00	80.35	150	150	1.2	3.53	3.27	3.92	7876
144+00	1.00	76.89	146	146	1.2	0	3.27	3.92	8018
144+50	1.00	79.03	144	144	1.2	0	0	0	8162
144+82	1.00	100.93	107	107	1.2	0	0	0	8269
145+00	1.00	80.52	60	60	1.2	0	0	0	8329
145+50	1.00	85.53	154	154	1.2	0	0	0	8483
145+77	1.00	83.76	85	85	1.2	0	0	0	8567
145+80	1.00	83.36	9	9	1.2	0	0	0	8577
146+00	1.00	72.99	58	58	1.2	0	0	0	8635

STAGE 3 - MONONA DRIVE CONTINUED

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
146+50	1.00	57.27	121	121	1.2	0	0	0	8755
147+00	1.00	48.19	98	98	1.2	0	0	0	8853
147+46	1.00	47.57	82	82	1.2	0	0	0	8934
147+50	1.00	47.43	7	7	1.2	0	0	0	8941
STAGE 3 - MONONA DRIVE TOTALS:		8952	8952				9	10.29	8941

STAGE 3 - WINNEQUAH ROAD

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
10+00	1.0	133.82	0	0	1.2	0.0	0	0	0
10+26	1.0	127.94	126	126	1.2	0.0	0	0	126
10+50	1.0	85.06	95	95	1.2	0.02	0.01	0.01	221
10+56	1.0	76.43	18	18	1.2	0.53	0.06	0.07	239
10+75	1.0	81.3	55	55	1.2	0.03	0.20	0.24	294
STAGE 3 - WINNEQUAH ROAD TOTALS:		294	294				0	0	294

STAGE 3 - BUCKEYE ROAD

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
10+50	1.0	119.06	0	0	1.2	0	0	0	0
10+53	1.0	120.03	13	13	1.2	0	0	0	13
11+00	1.0	139.06	226	226	1.2	0	0	0	239
11+50	1.0	111.36	232	232	1.2	0	0	0	471
12+00	1.0	95.34	191	191	1.2	0.02	0.02	0.02	662
12+50	1.0	111.23	191	191	1.2	2.01	1.88	2.26	851
12+68	1.0	99.24	70	70	1.2	1.14	1.05	1.26	920
13+00	1.0	102.15	119	119	1.2	0.02	0.69	0.82	1038
STAGE 3 - BUCKEYE ROAD TOTALS:		1043	1043				3.6	4.4	1038

STAGE 3 - LAKE EDGE BLVD

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
10+00	1.0	105.86	0	0	1.2	0	0	0	0
10+04	1.0	152.09	19	19	1.2	0	0	0	19
10+50	1.0	183.14	286	286	1.2	0	0	0	305
11+00	1.0	124.83	285	285	1.2	1.93	1.79	2.14	588
11+12	1.0	128.52	56	56	1.2	0	0.43	0.51	643
11+50	1.0	139.96	189	189	1.2	0	0.00	0.00	832
12+00	1.0	128.07	248	248	1.2	0.03	0.03	0.03	1081
12+25	1.0	67.41	91	91	1.2	0	0.01	0.02	1171
STAGE 3 - LAKE EDGE BLVD TOTALS:		1174	1174				2.3	2.7	1171

STAGE 3 -COTTAGE GROVE ROAD/FERCHLAND PLACE

STATION NUMBER	CUT FACT	CUT AREA (sq ft)	CUT VOLUME (cu yd)	CUT ADJUSTED (cu yd)	FILL FACT	FILL AREA (sq ft)	FILL VOLUME (cu yd)	FILL ADJUSTED (cu yd)	MASS ORD. (cu yd)
10+00	1.0	163.47	0	0	1.2	0	0	0	0
10+38	1.0	197.67	254	254	1.2	0	0	0	254
10+50	1.0	172.01	82	82	1.2	0	0	0	336
11+00	1.0	134.1	283	283	1.2	0	0	0	620
11+50	1.0	134.47	249	249	1.2	0.1	0.09	0.11	868
11+65	1.0	92.16	63	63	1.2	1.7	0.50	0.60	931
STAGE 3 - COTTAGE GROVE/FERCHLAND PLACE TOTALS:			931	931			0.6	0.7	931
STAGE 3 TOTALS			12394	12394			15	18.39	12375

EARTHWORK SUMMARY

GROUP CODE	STAGE	205.0100 EXCAVATION COMMON CY	FILL CY	WASTE CY
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	STAGE 2	8968	195	8773
	STAGE 3	12394	18.39	12375
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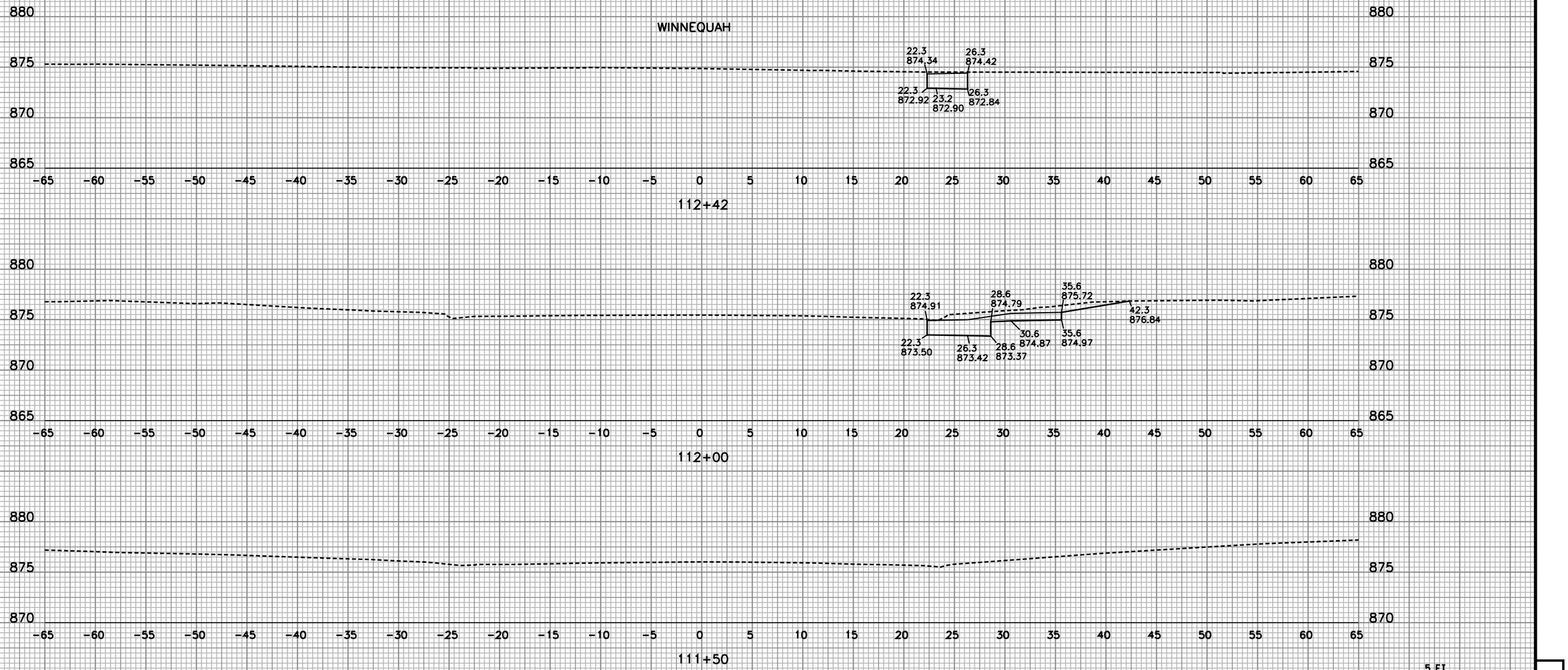
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PROJECT NO: 5994-00-71 | HWY: MONONA DRIVE | COUNTY: DANE | EARTHWORK | SHEET 290 | E

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WISDOT/CADDS SHEET 49

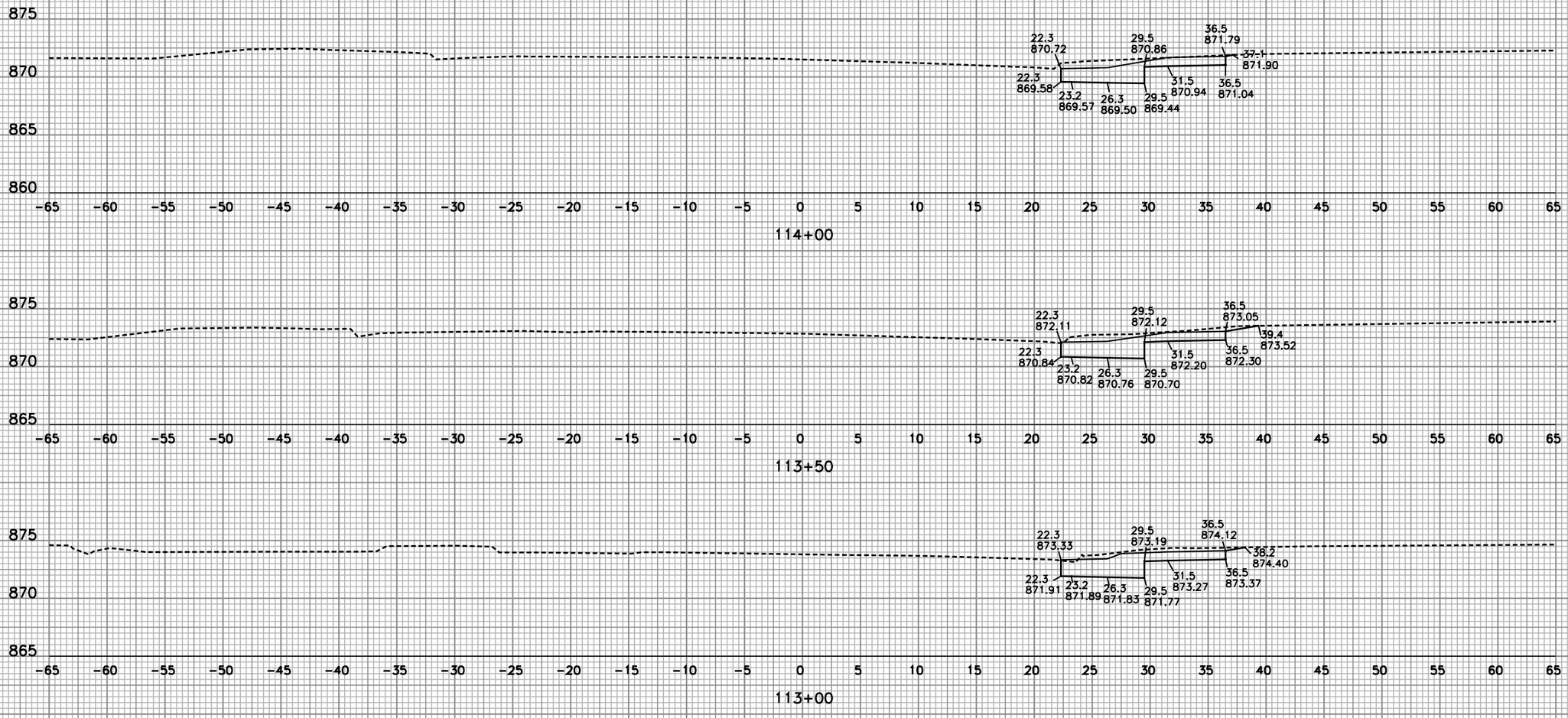


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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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WISDOT/CADDS SHEET 21



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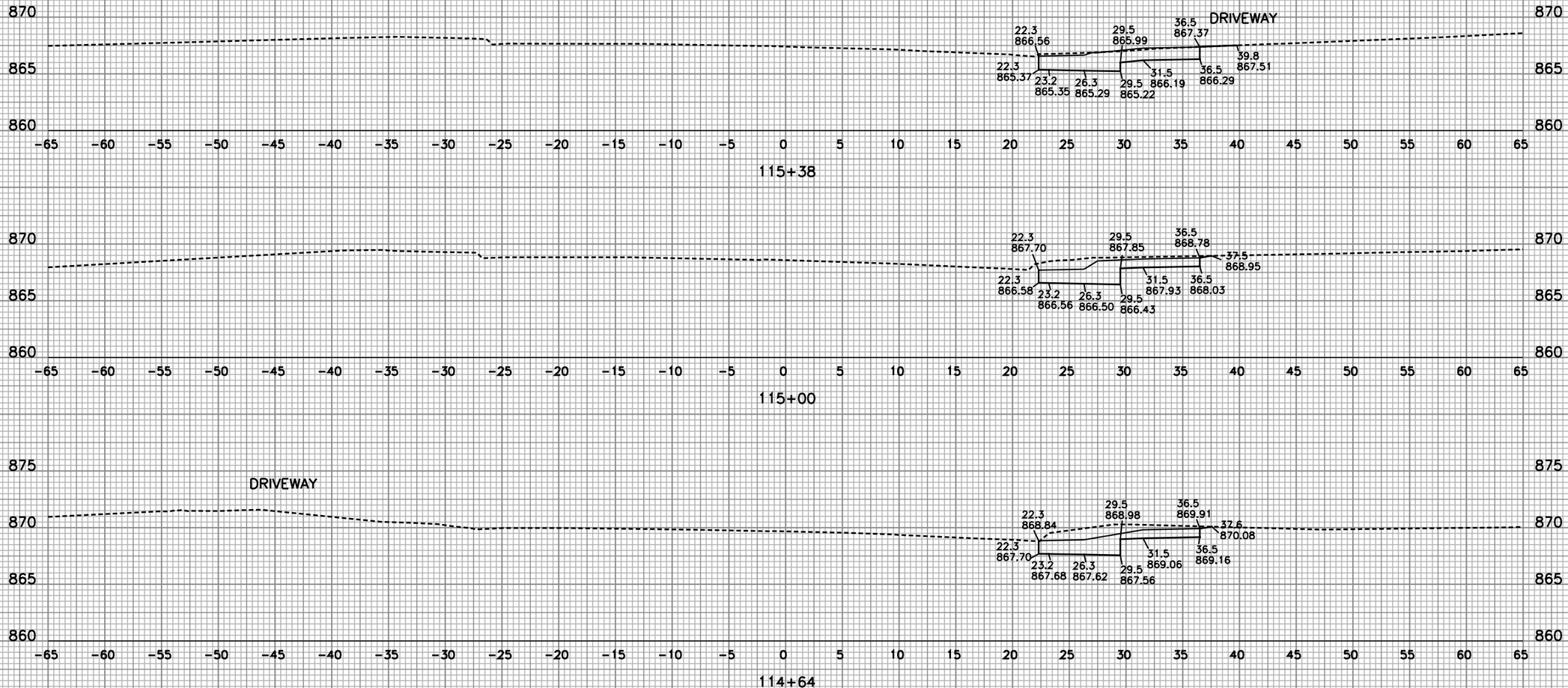
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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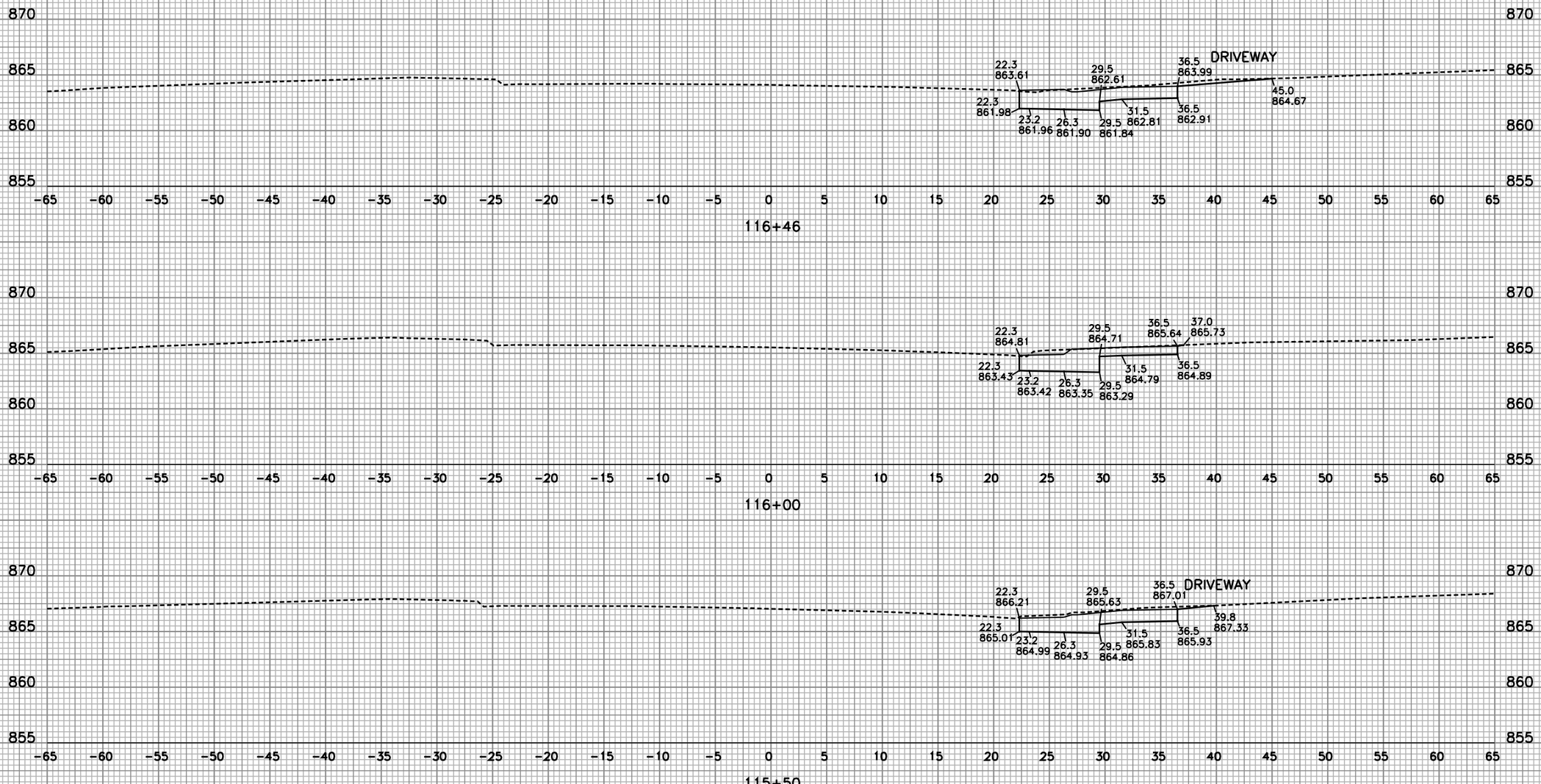
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

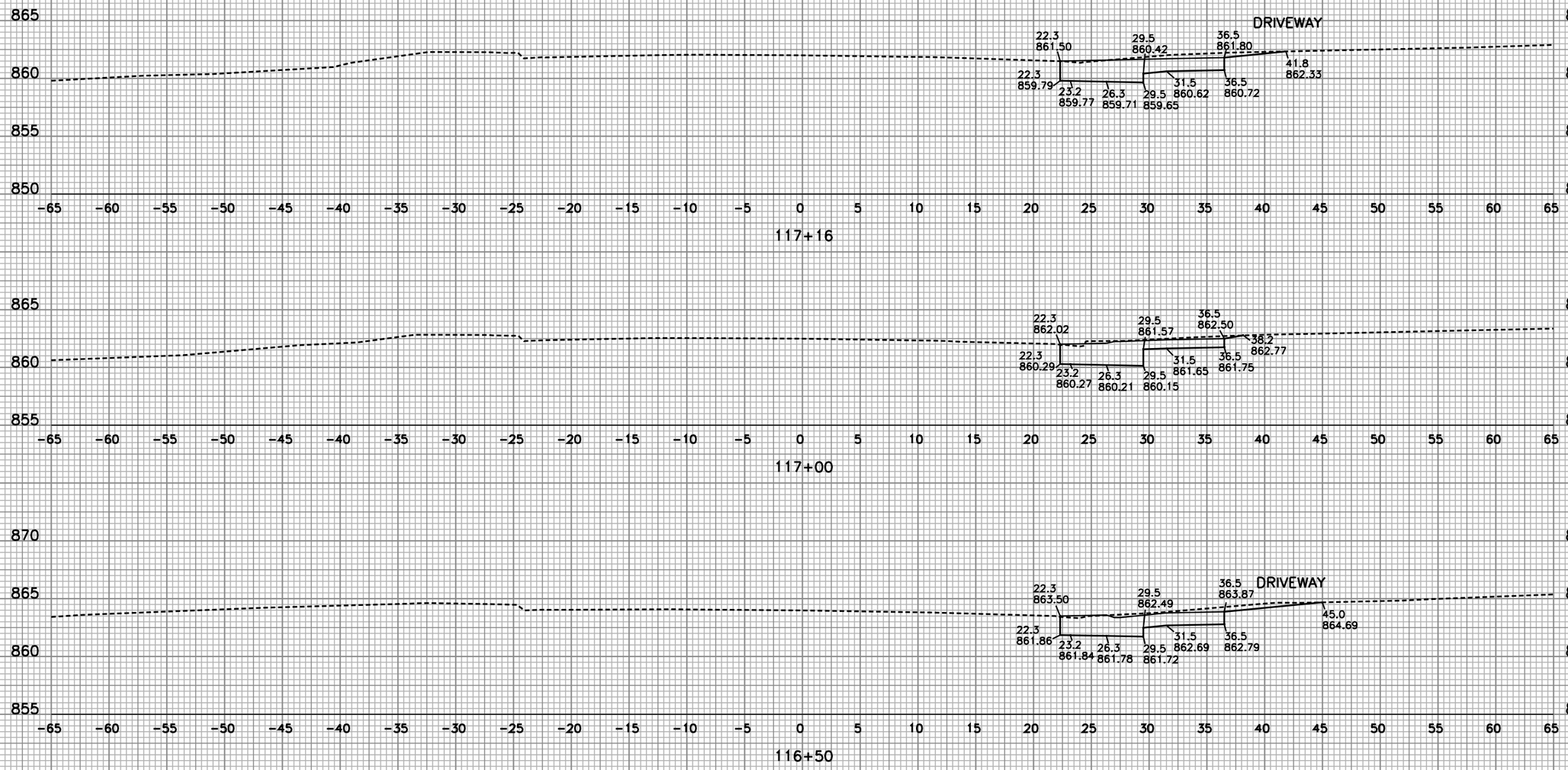
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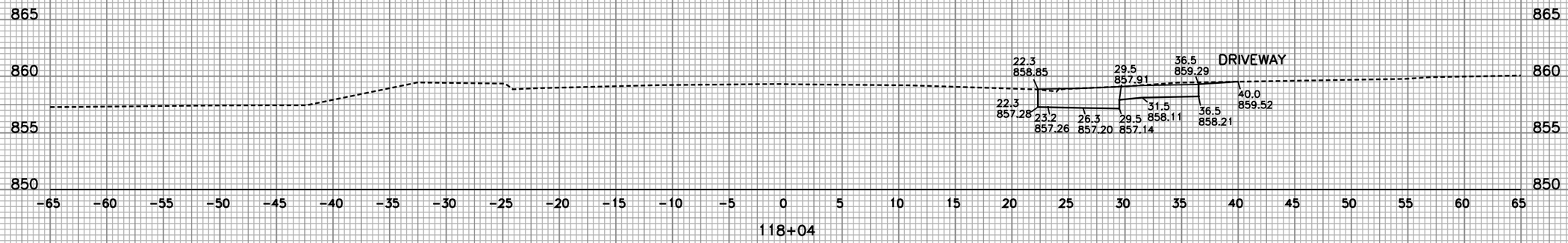
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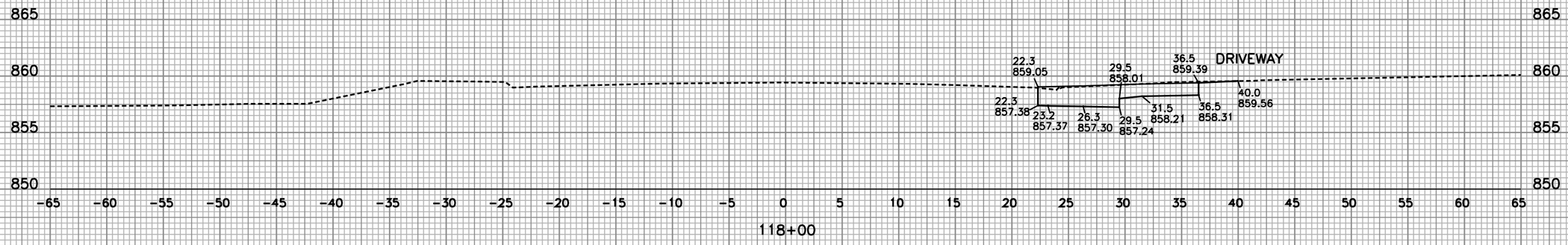
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E



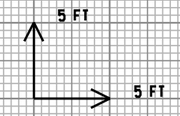
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118+00



117+50

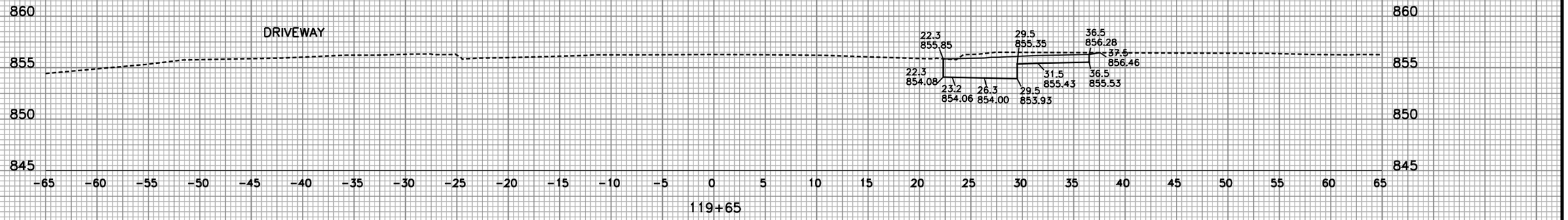


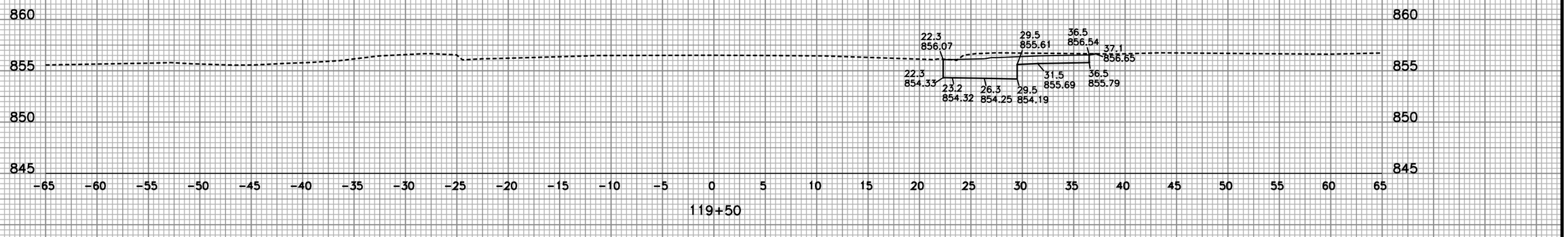
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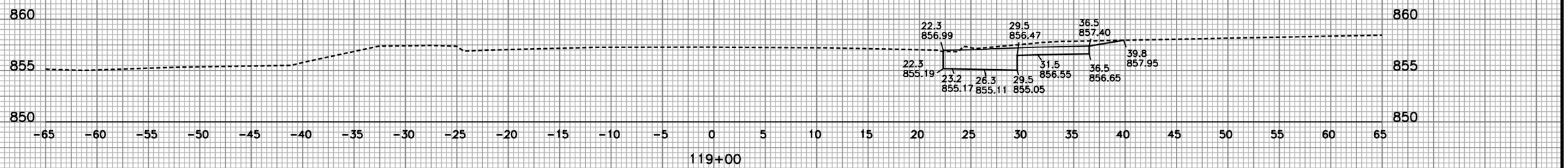
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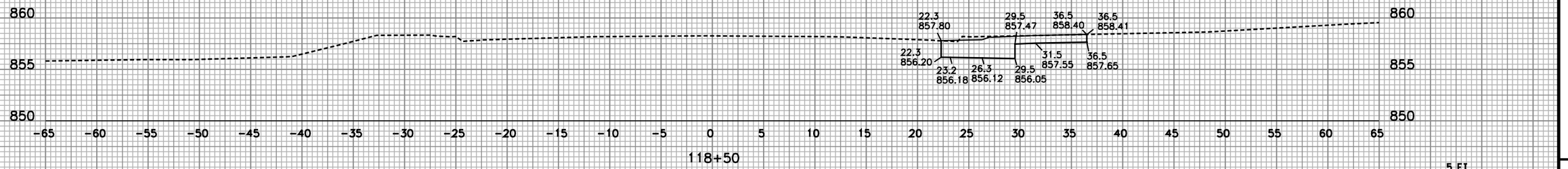
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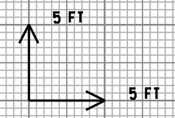
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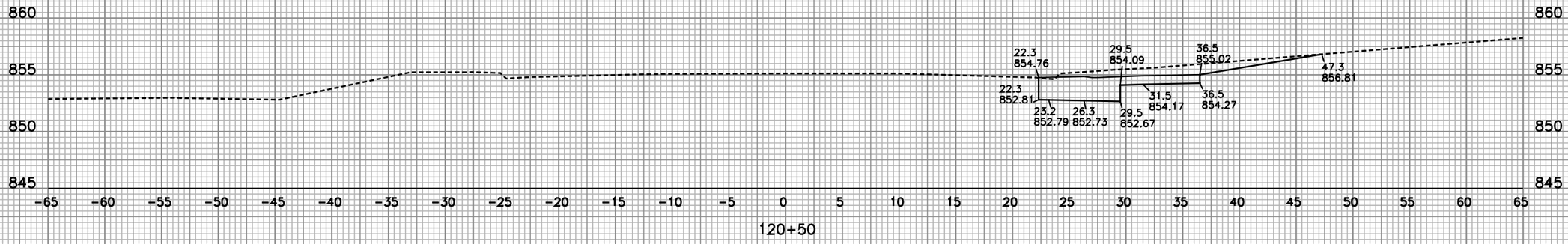
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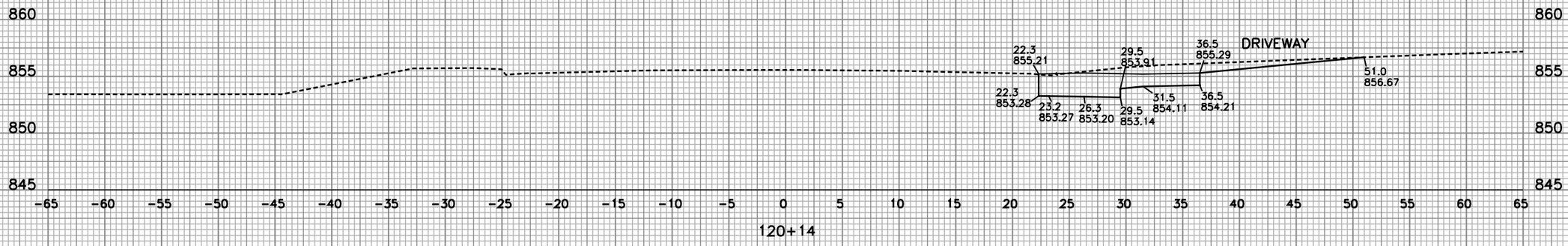
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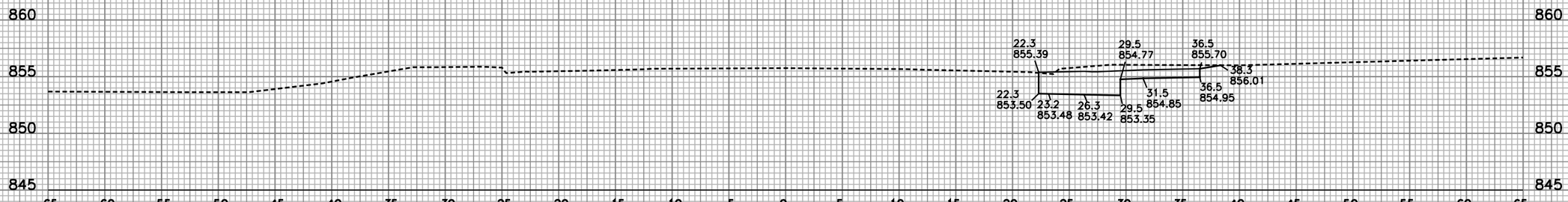
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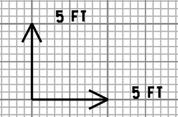
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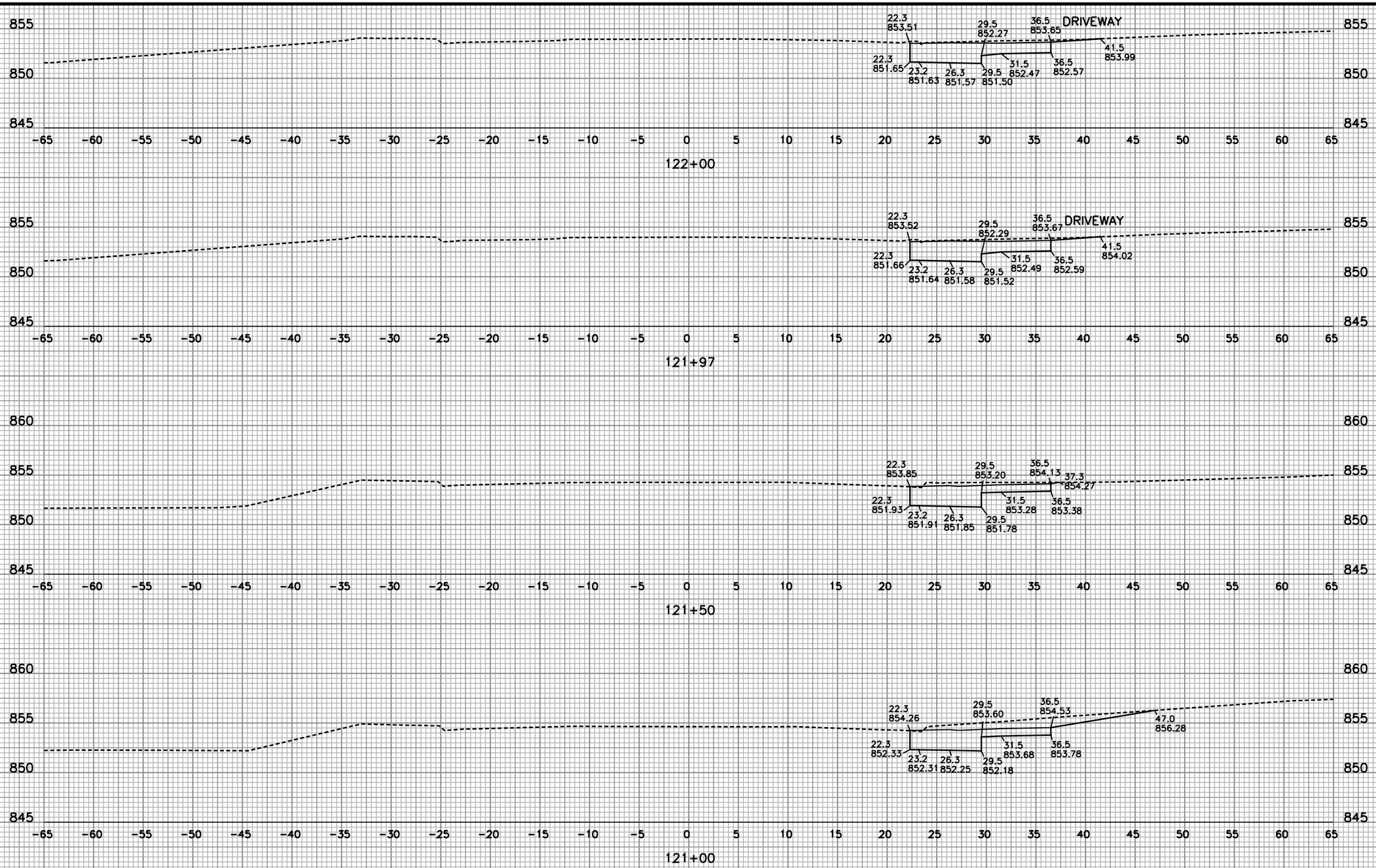
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120+00

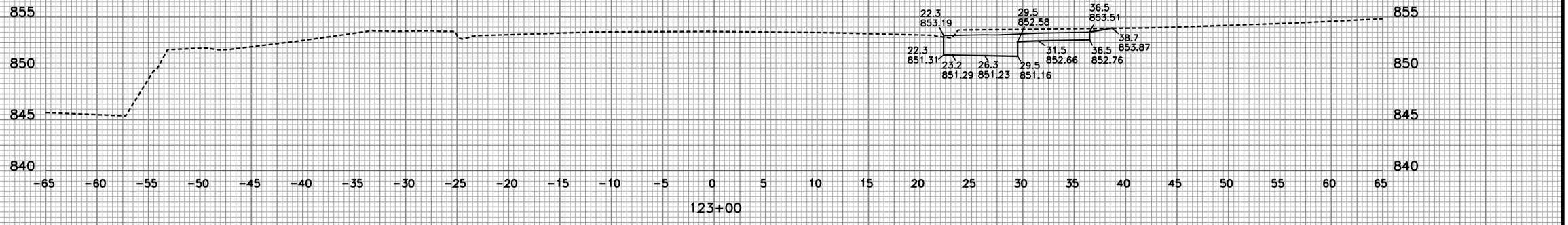


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

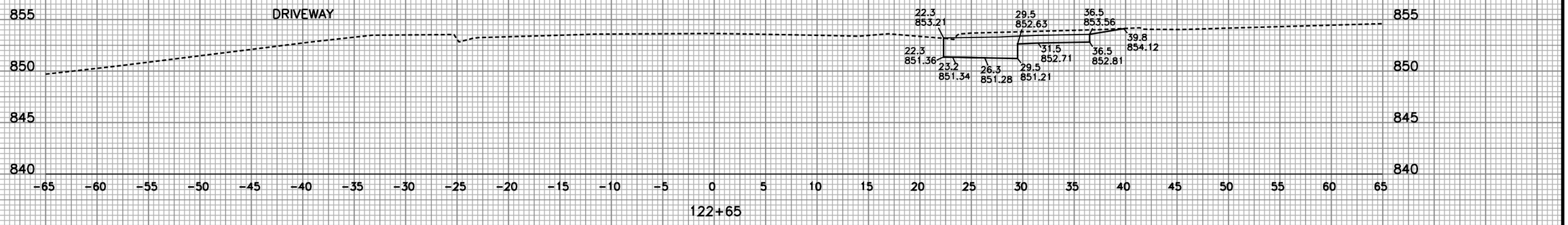


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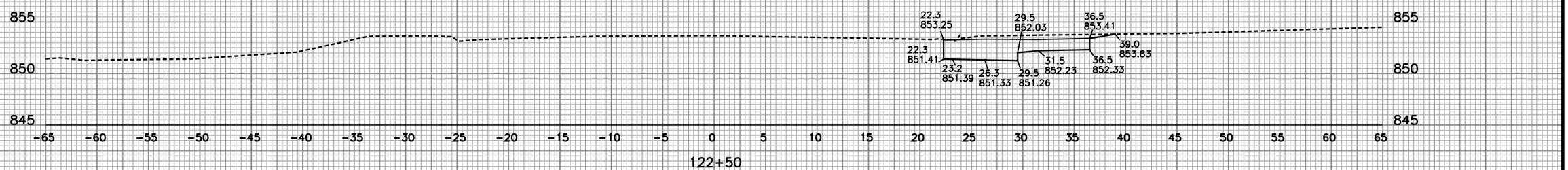
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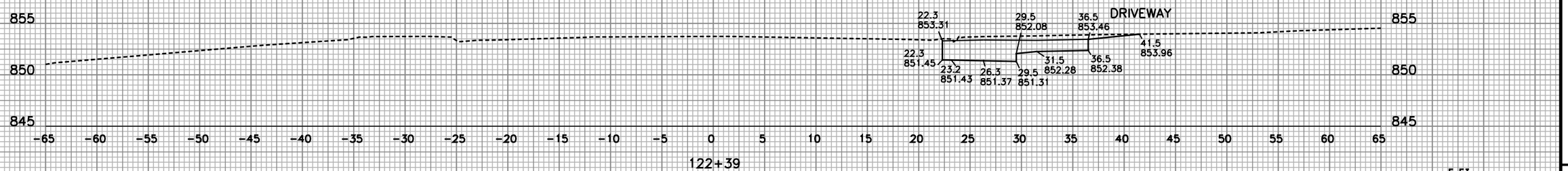
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122+65



122+50



122+39

5 FT

5 FT

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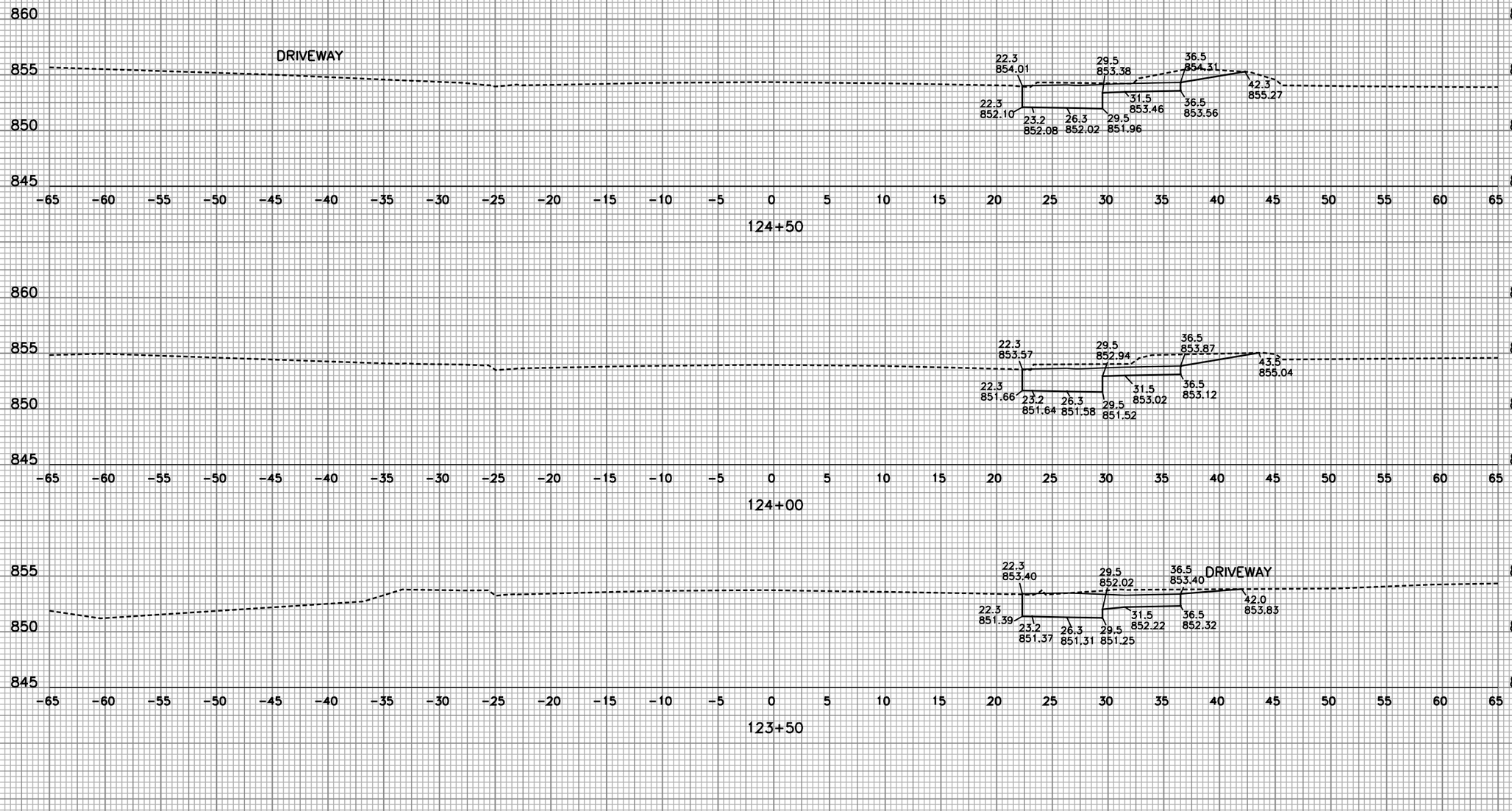
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

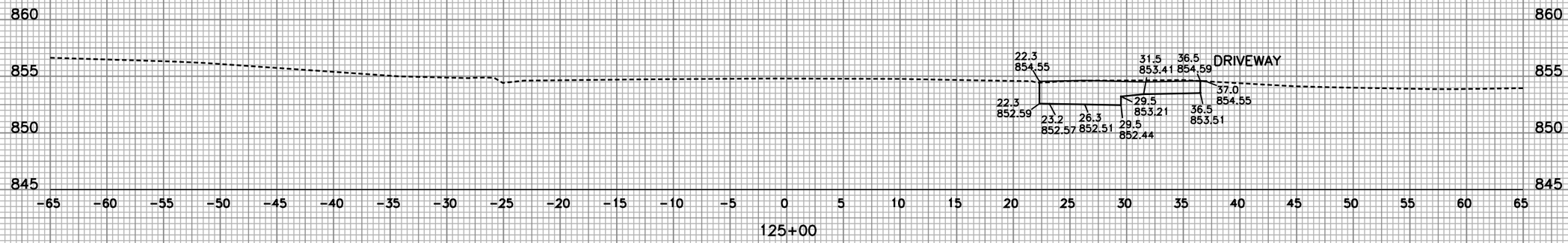
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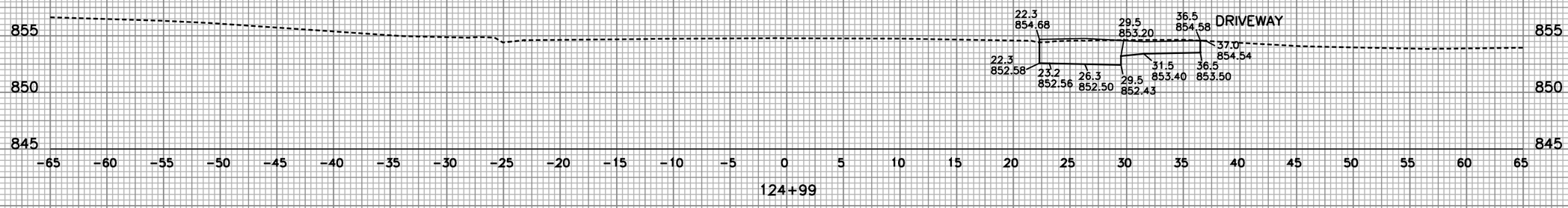
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

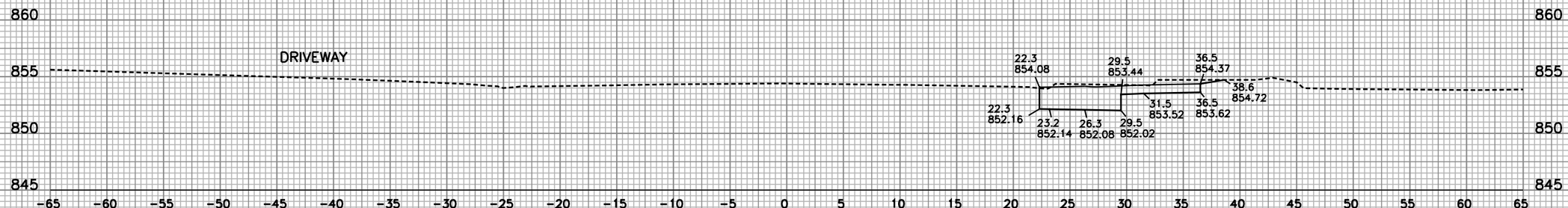
WISDOT/CADDS SHEET 21



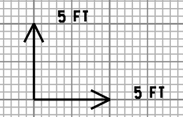
125+00



124+99



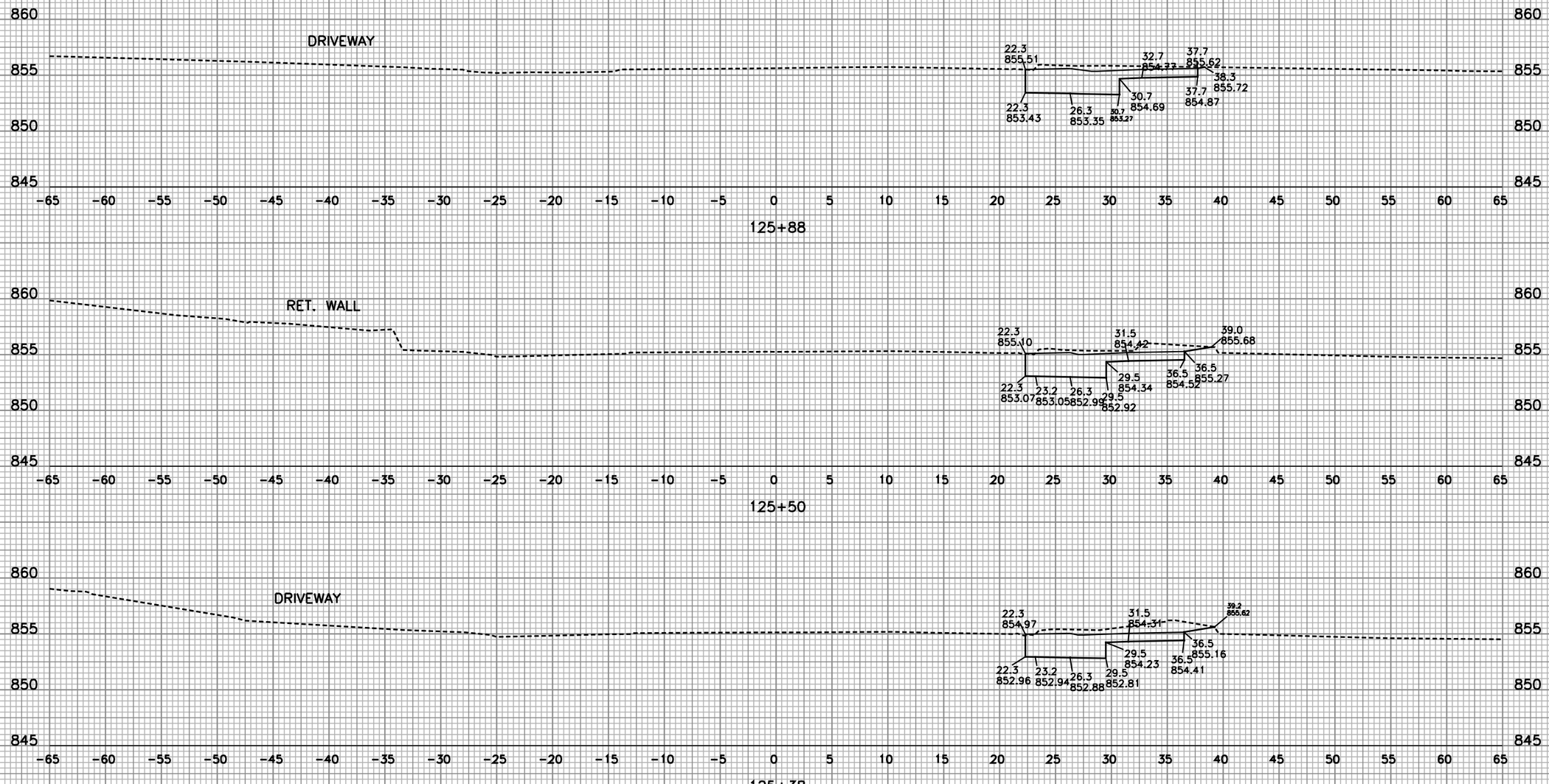
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E



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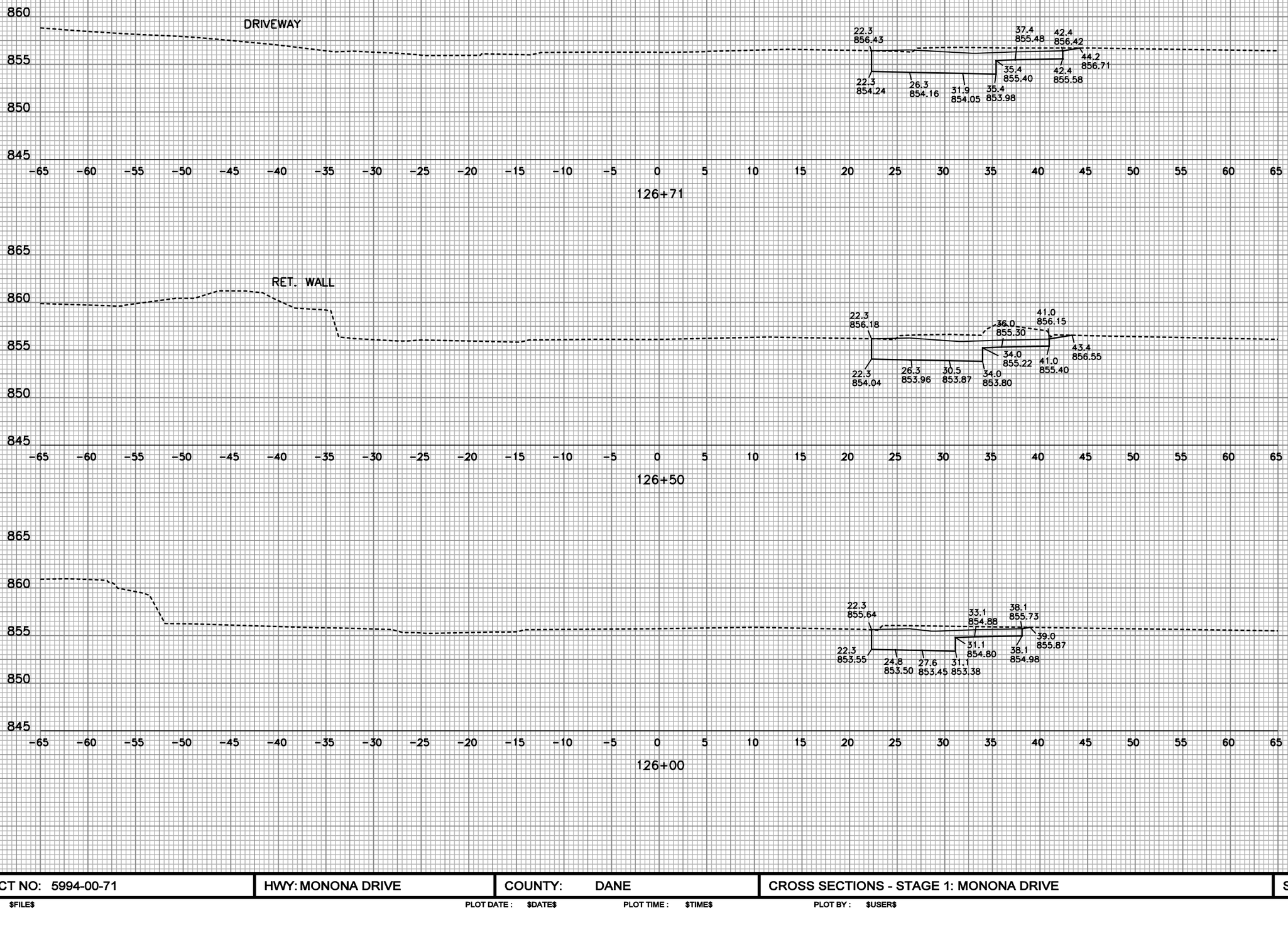
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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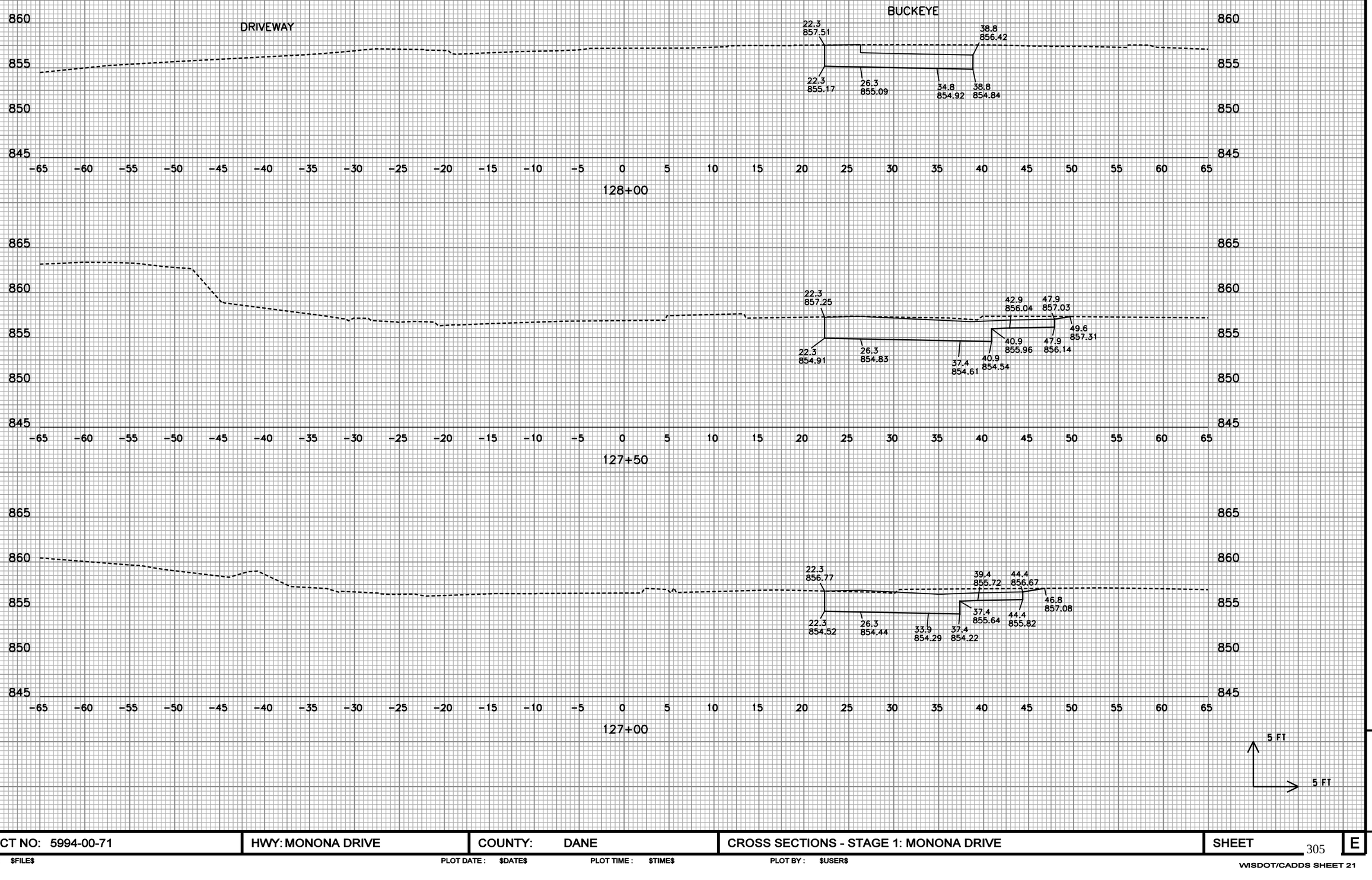
WISDOT/CADDS SHEET 21

13



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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E



9

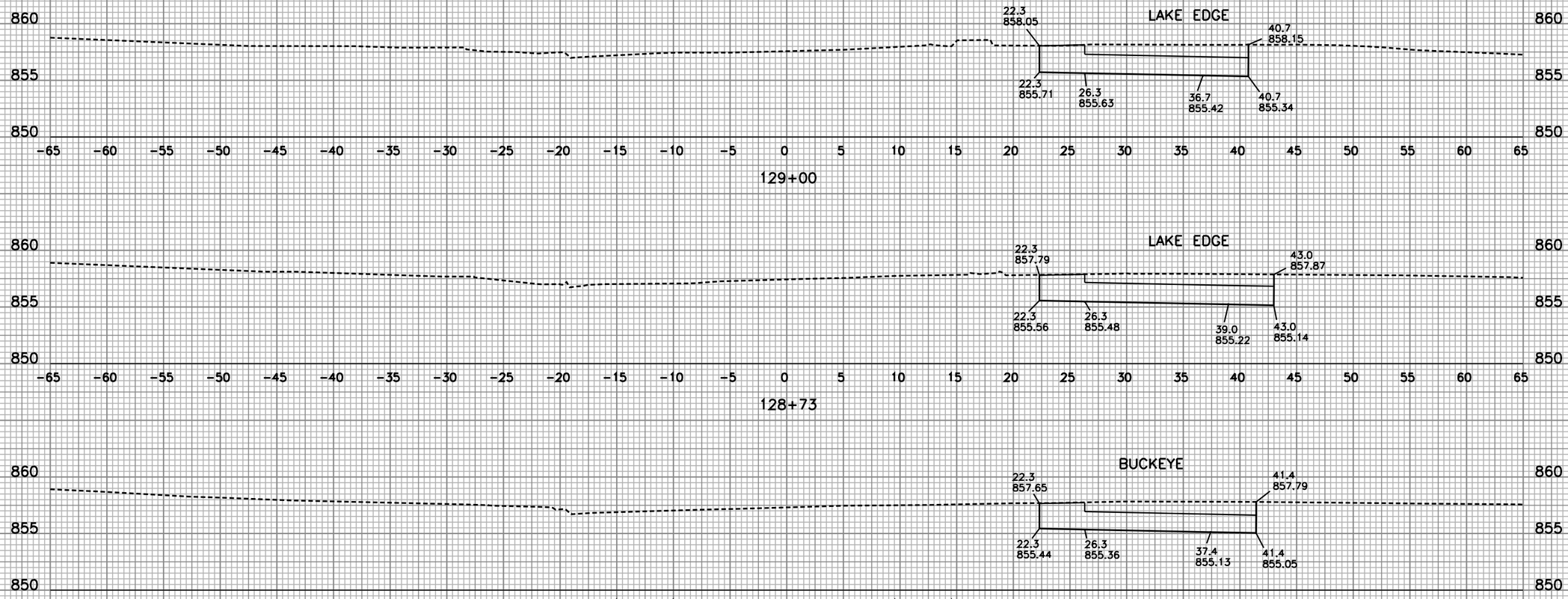
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

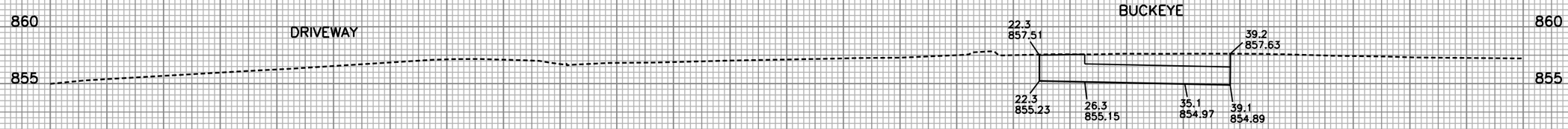
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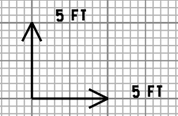
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128+73

128+50



128+11

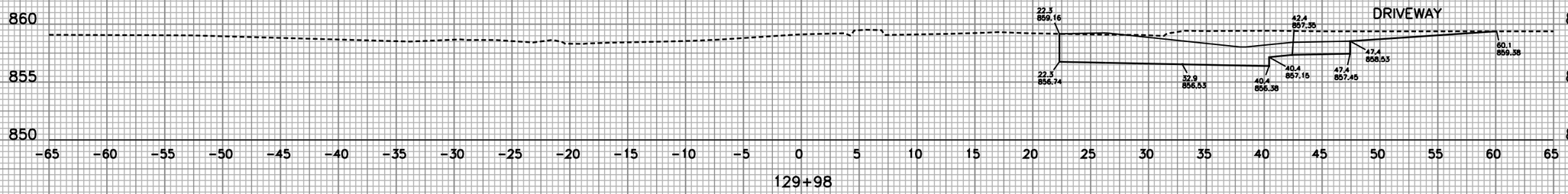


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

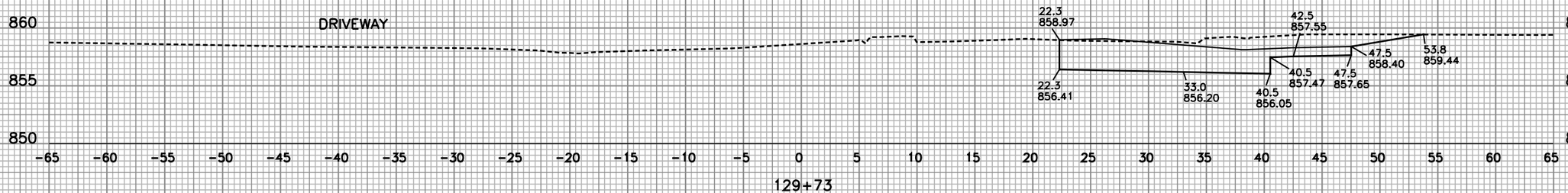
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WISDOT/CADDS SHEET 21

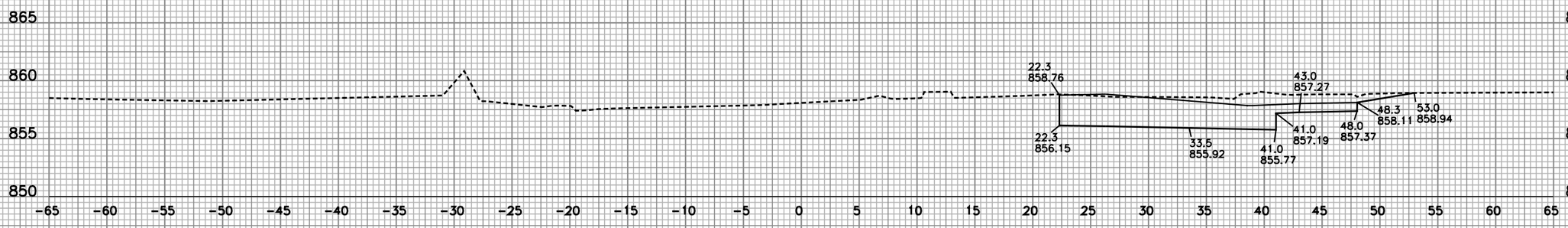
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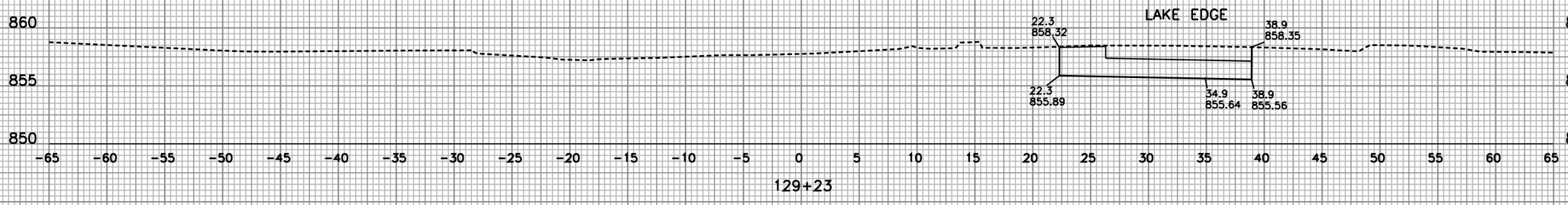
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129+73



129+50



129+23

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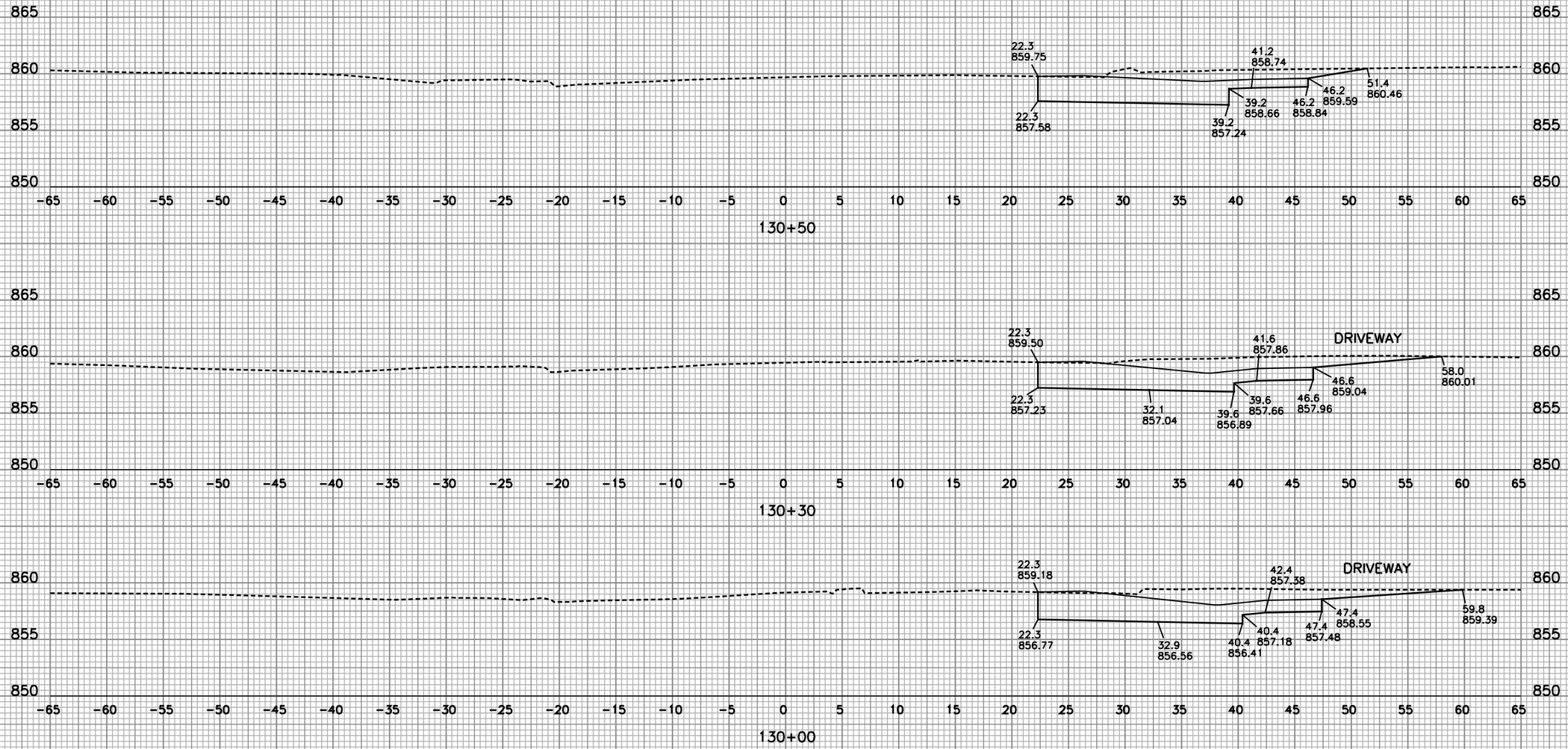
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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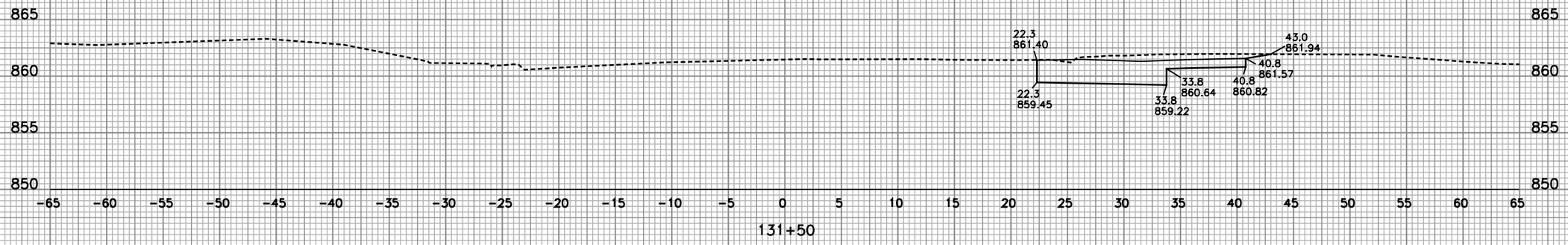
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

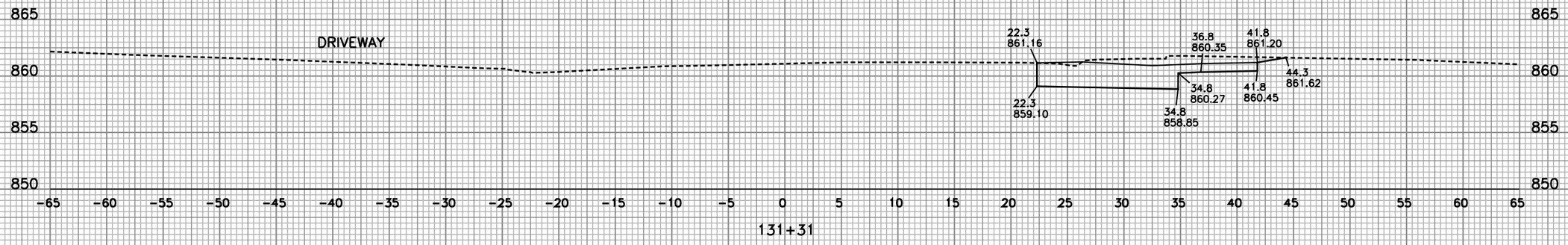
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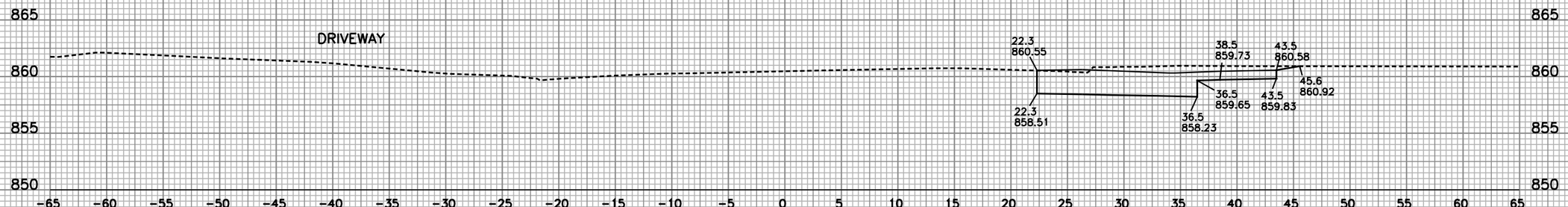
WISDOT/CADDS SHEET 21



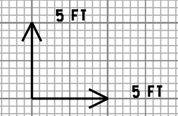
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131+31



131+00

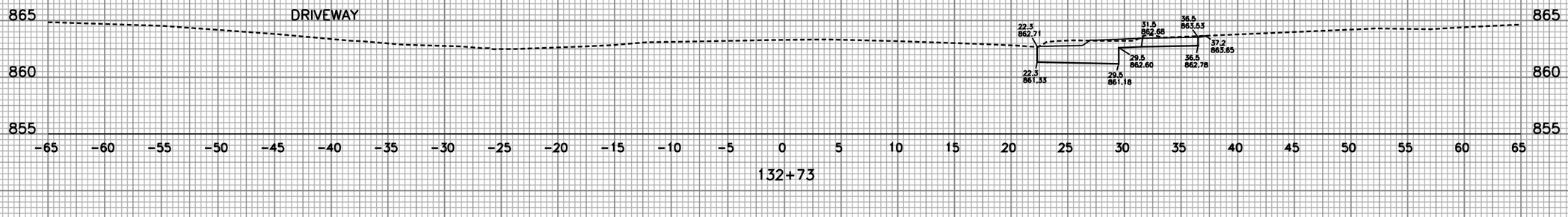


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

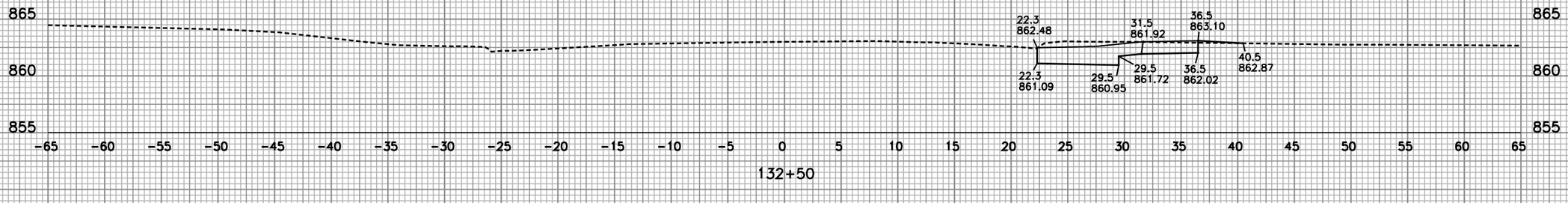
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WISDOT/CADDS SHEET 21

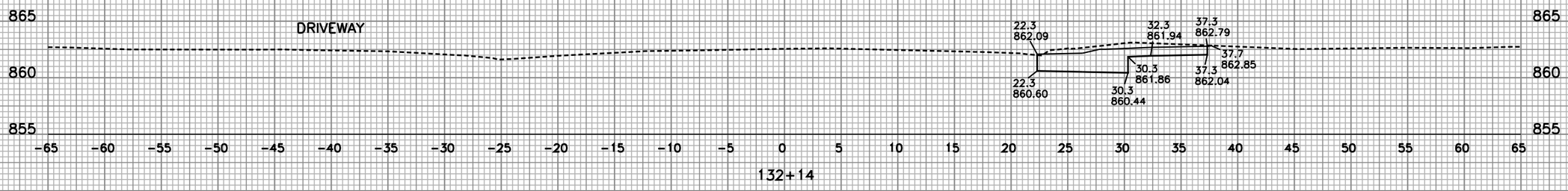
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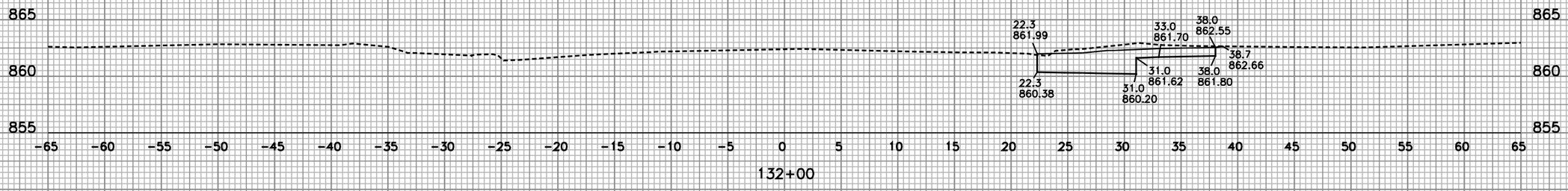
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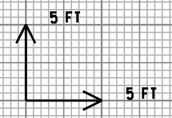
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132+14



132+00

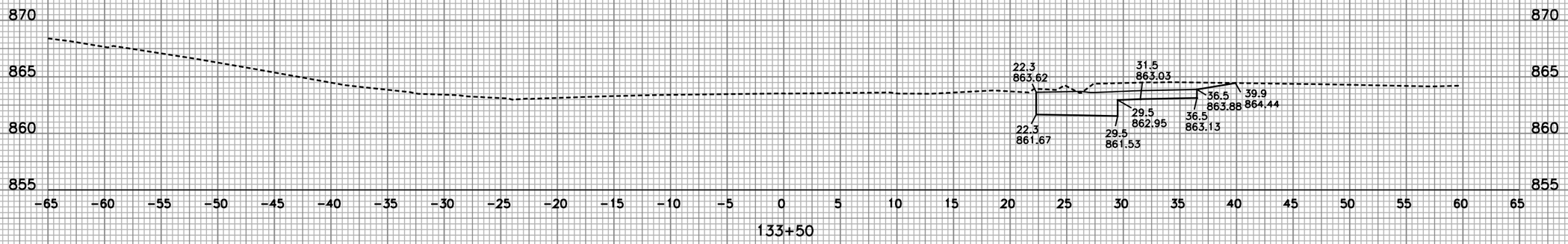


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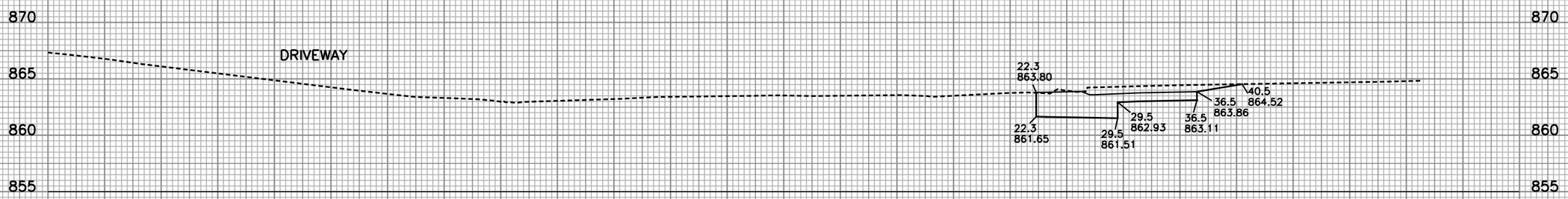
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

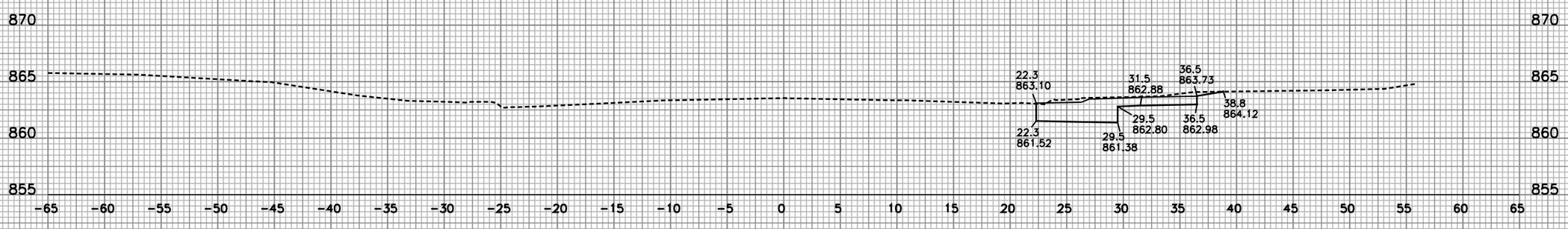
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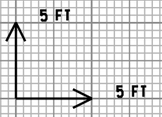
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133+32



133+00



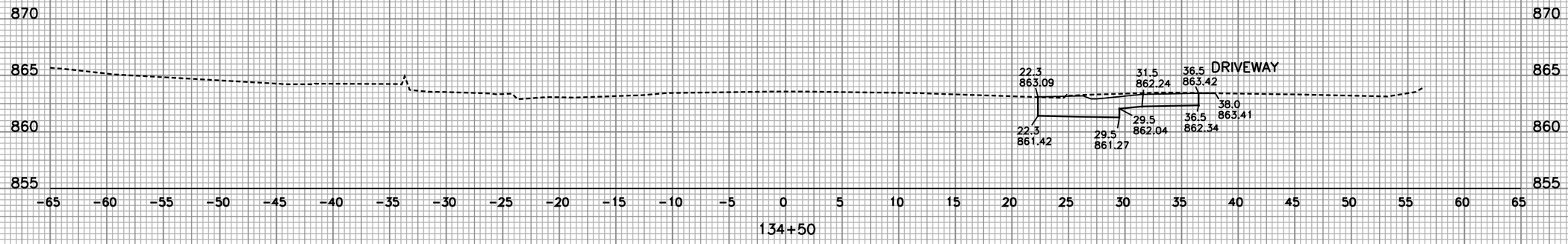
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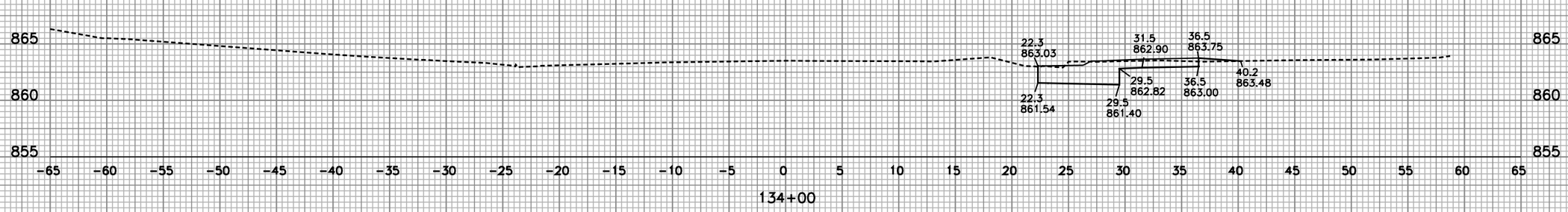
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

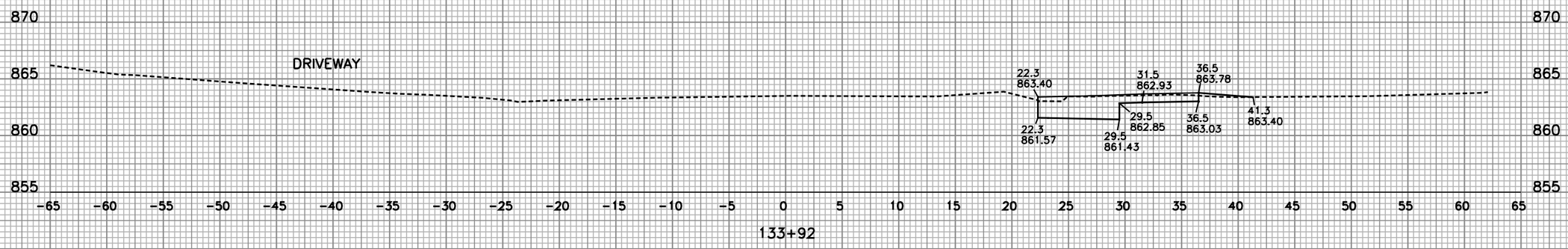
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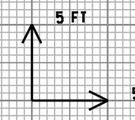
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WISDOT/CADDS SHEET 21









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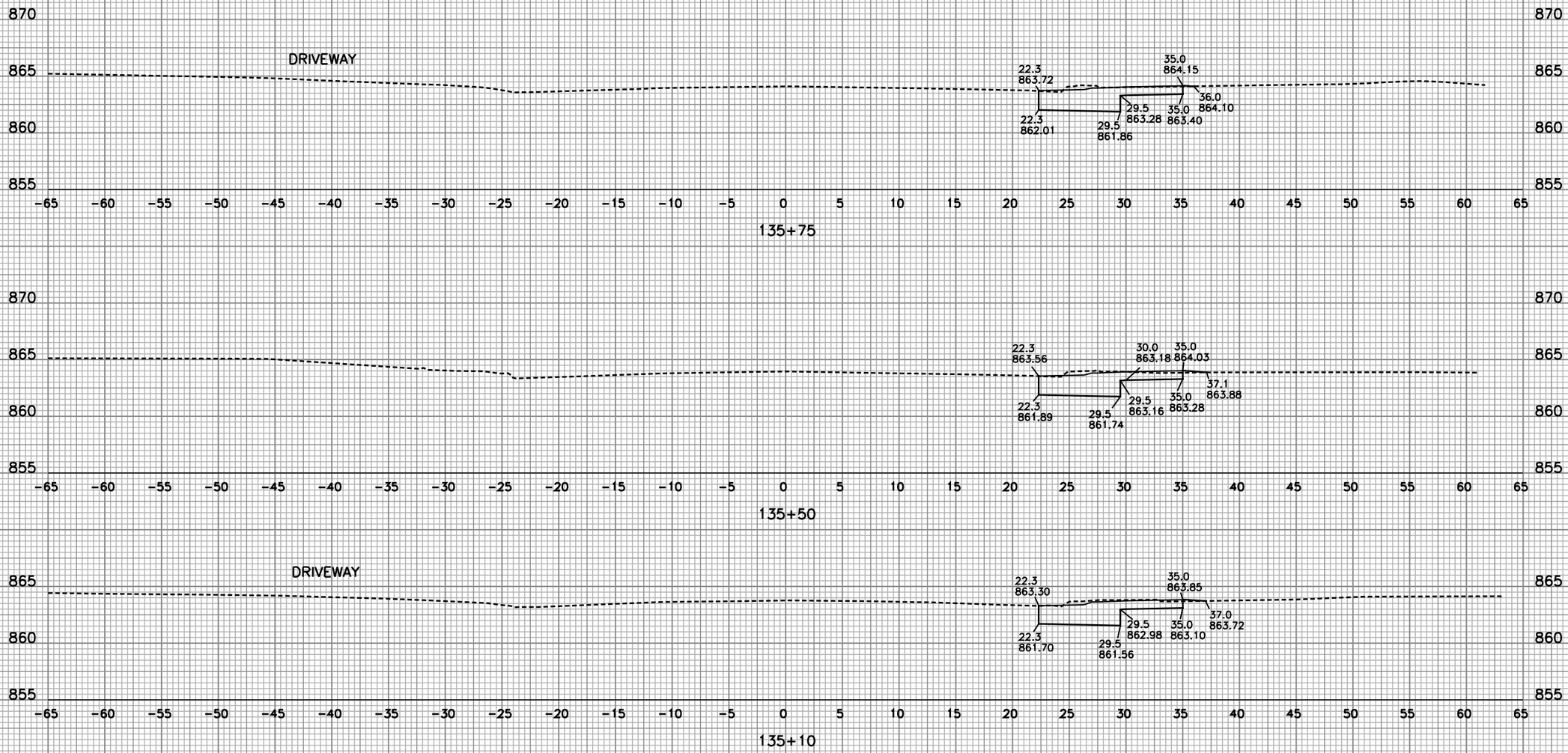
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E



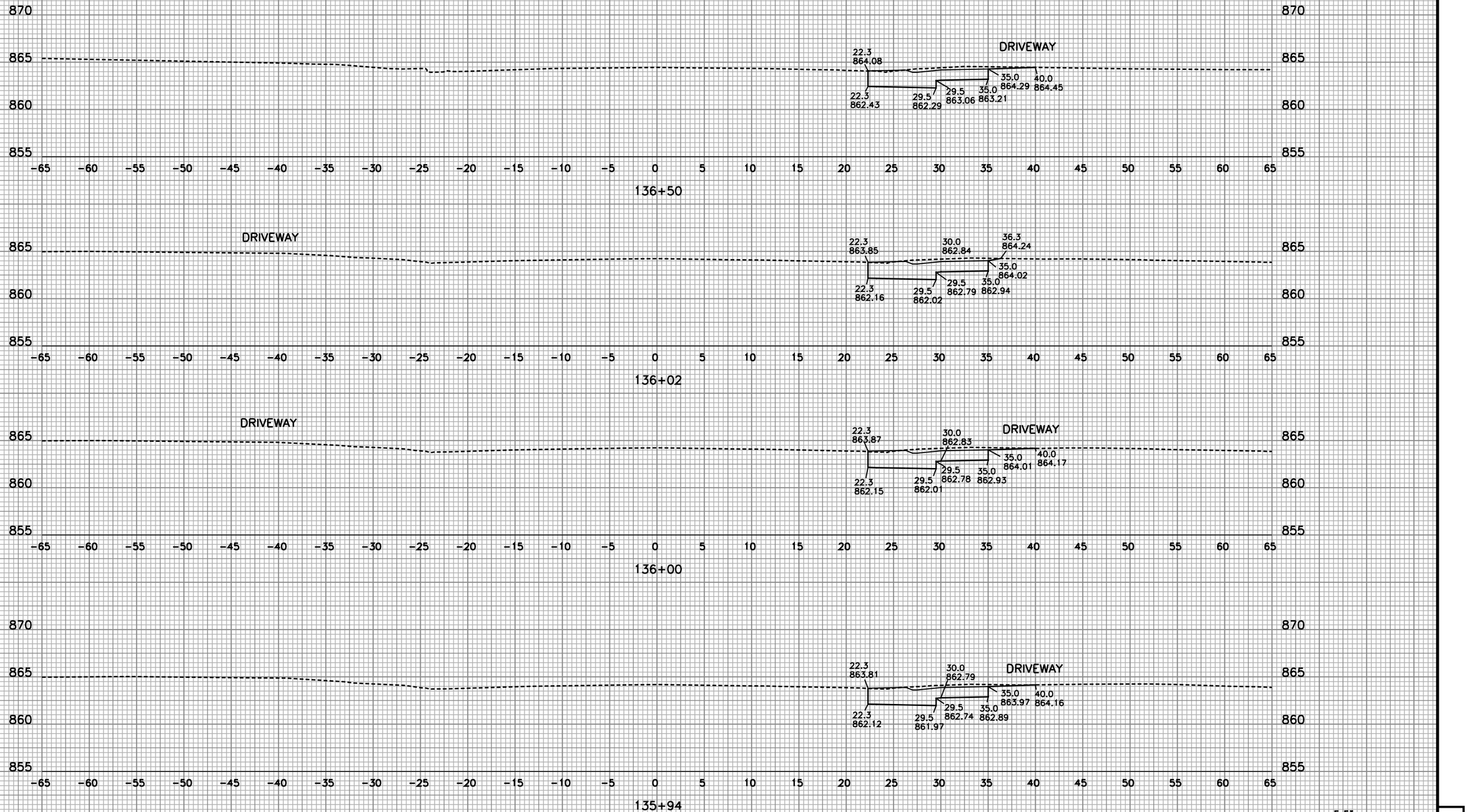
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



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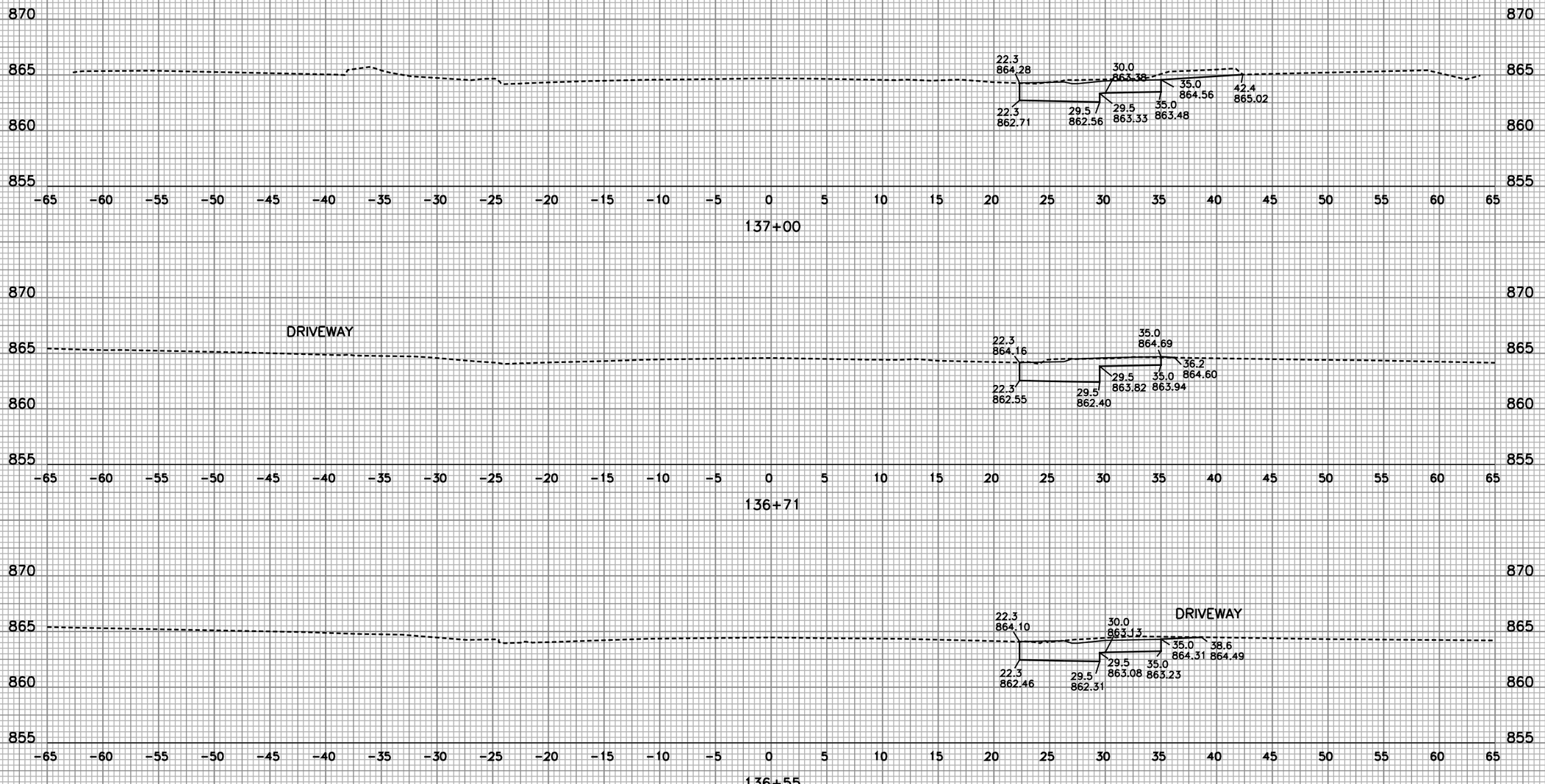
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

25

WISDOT/CADDS SHEET 21

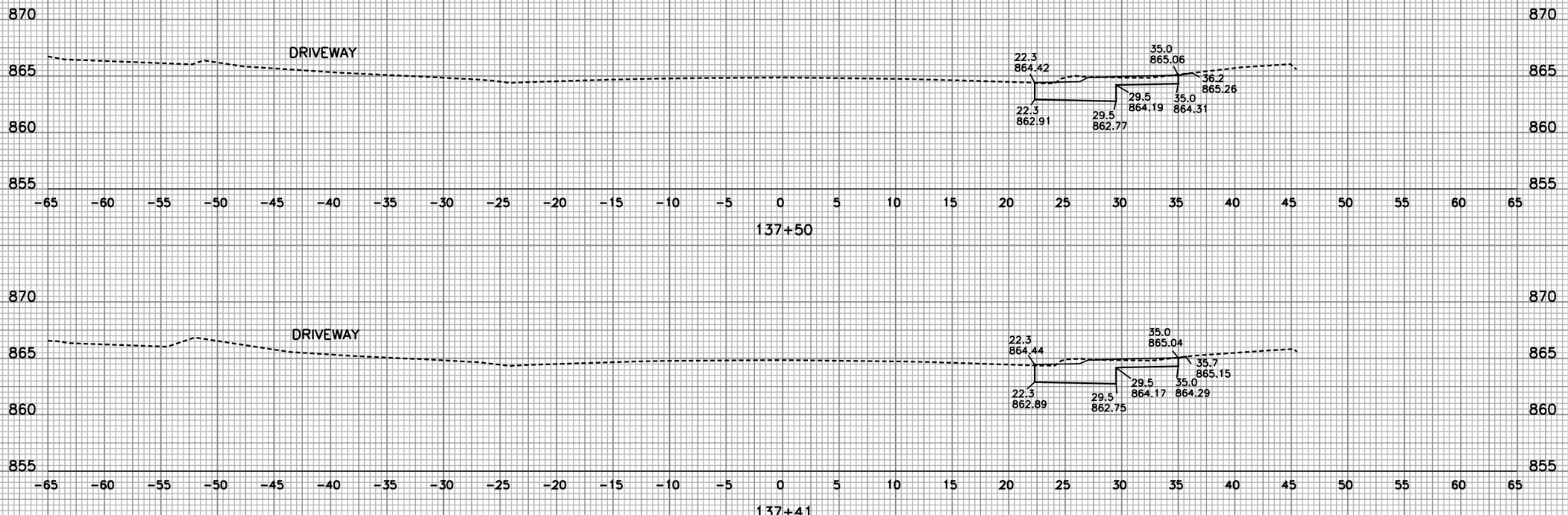


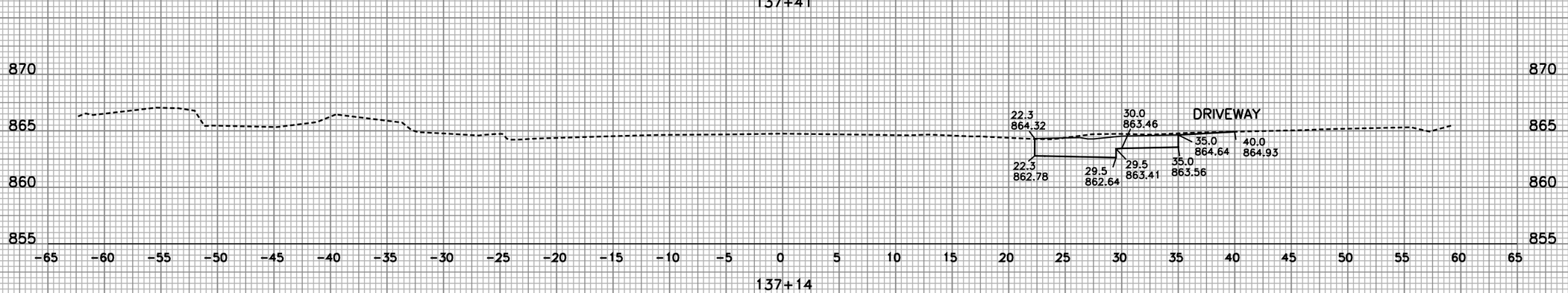
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$





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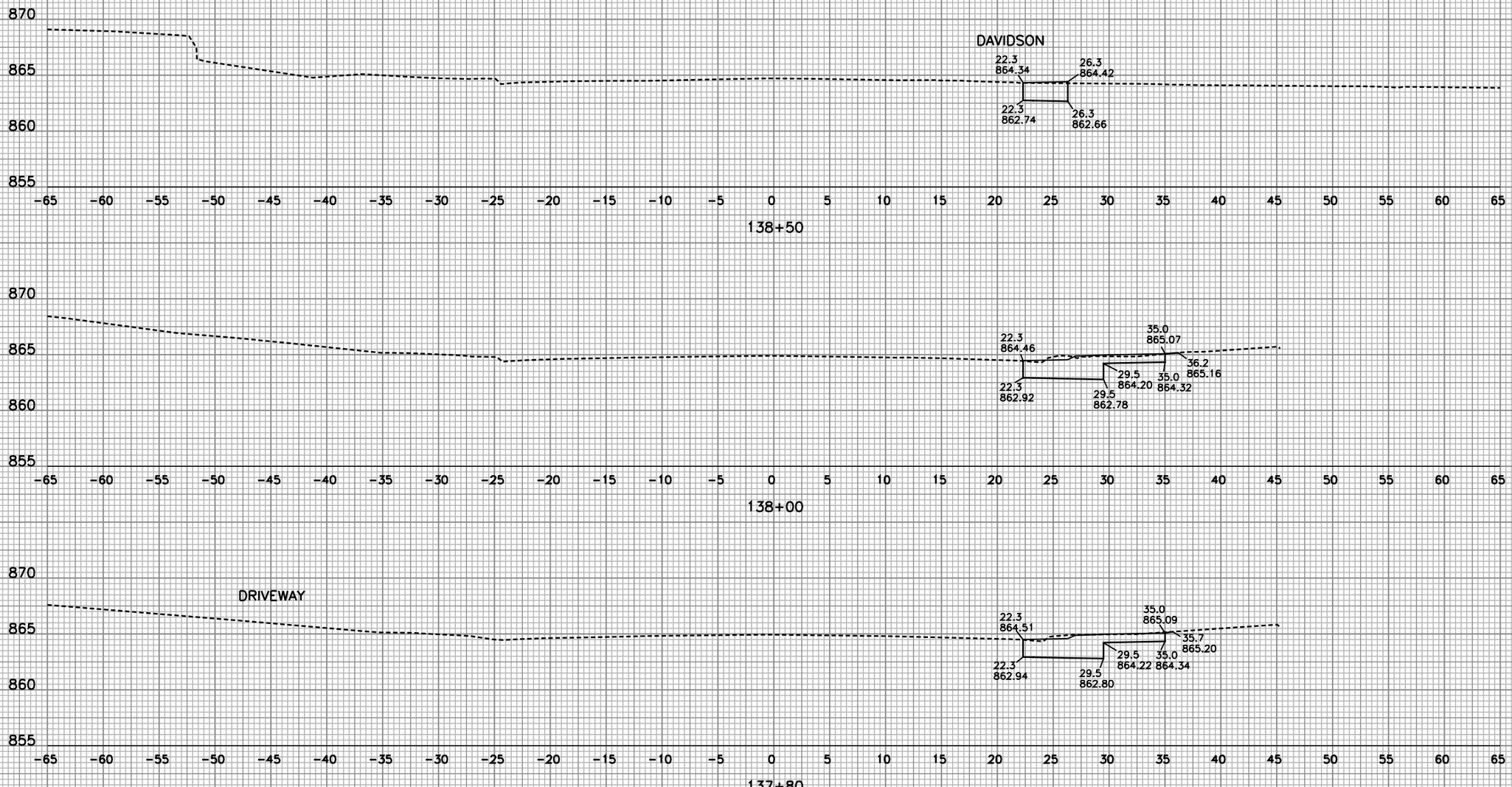
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

27



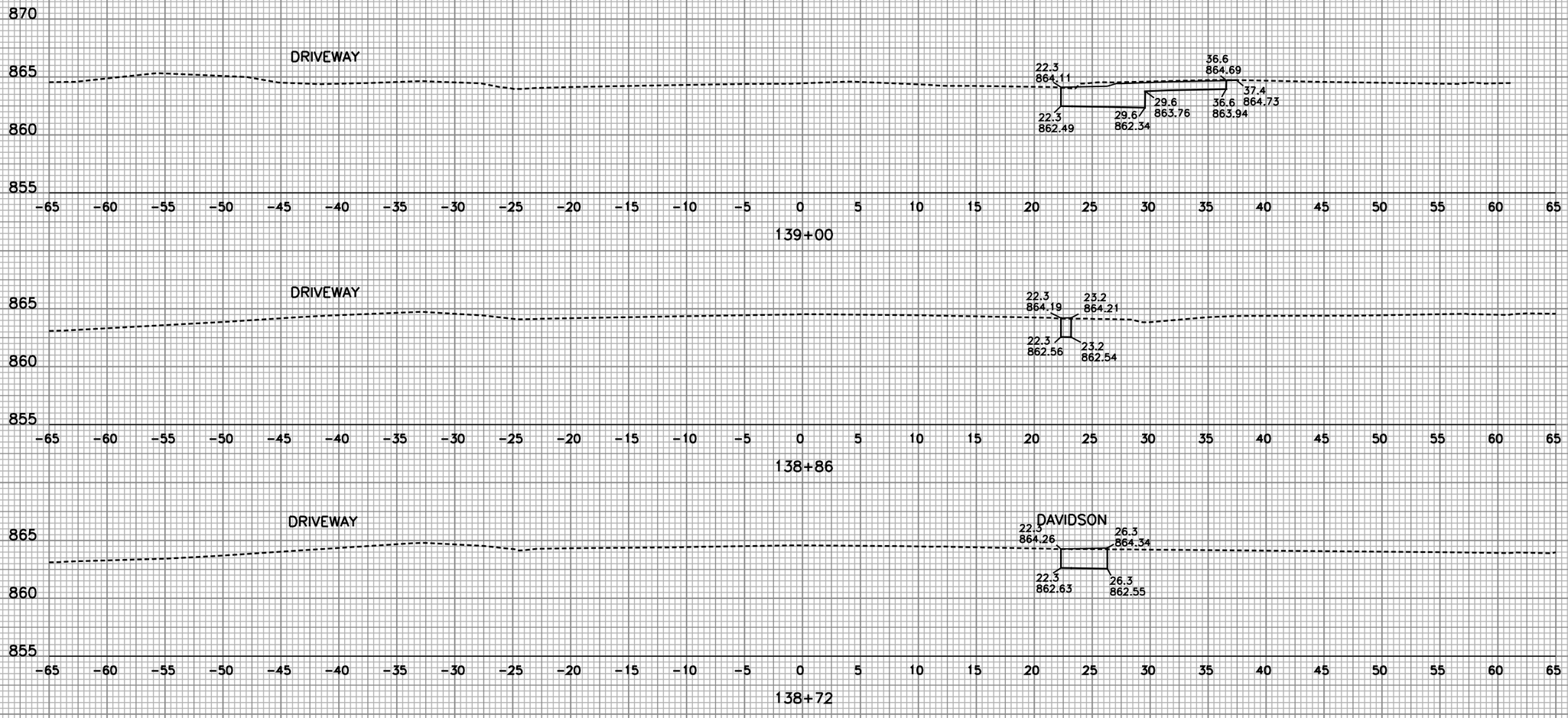
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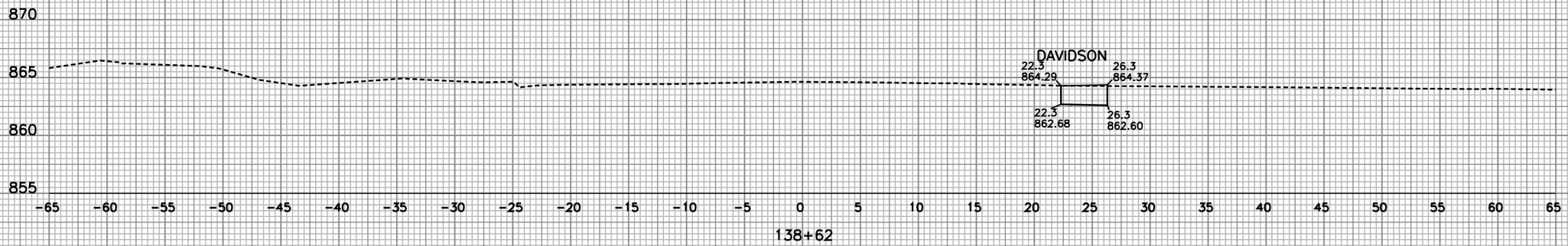
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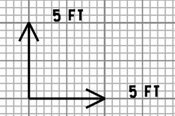
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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WISDOT/CADDS SHEET 21





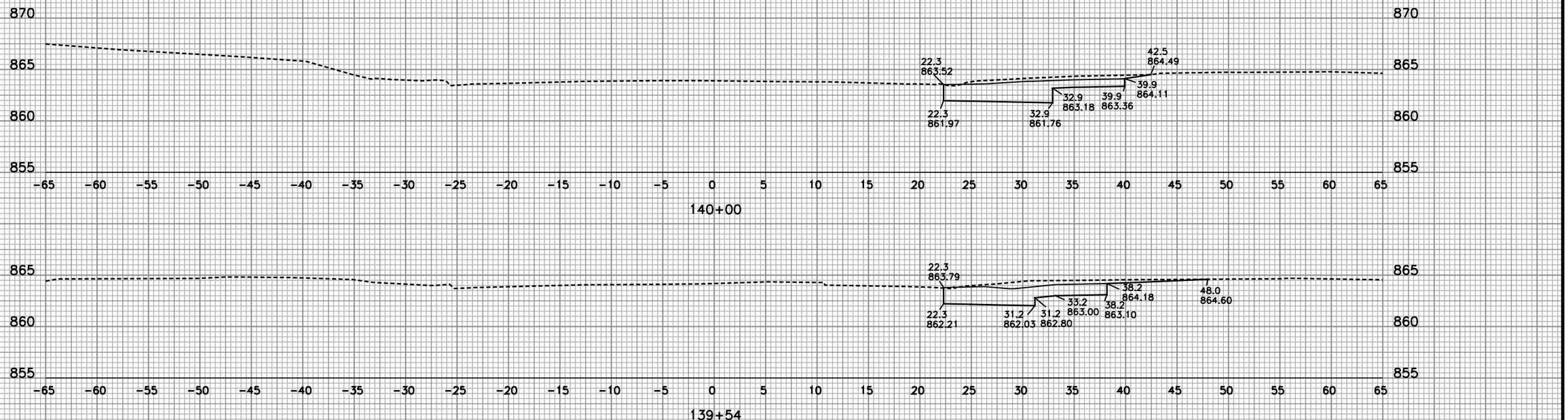


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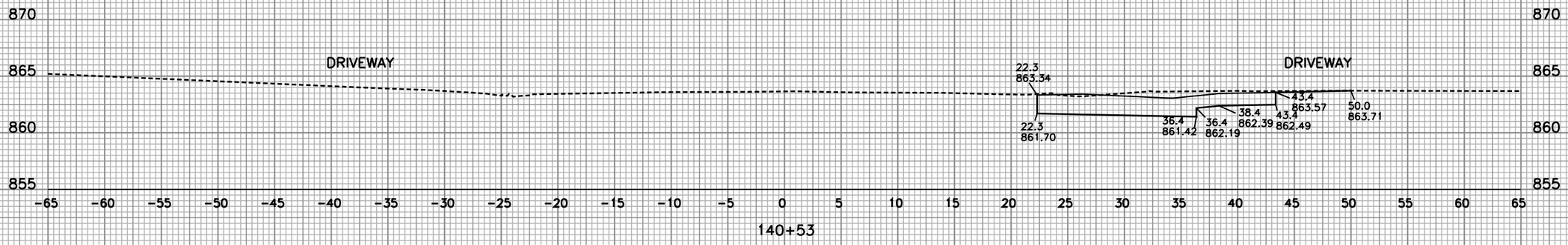
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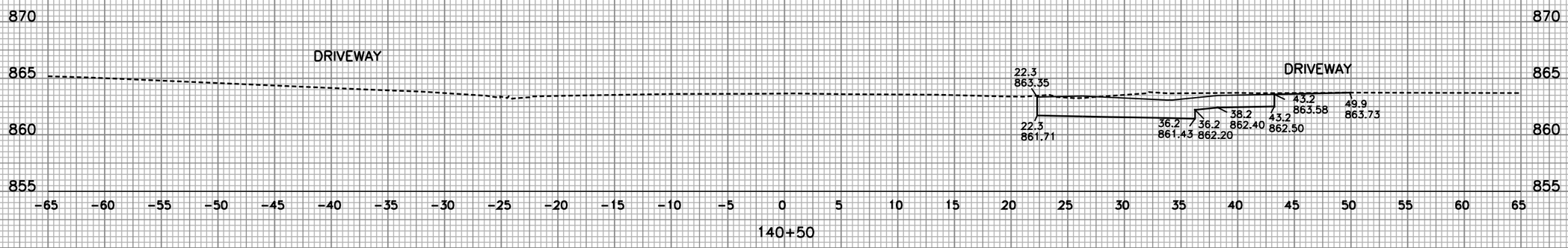
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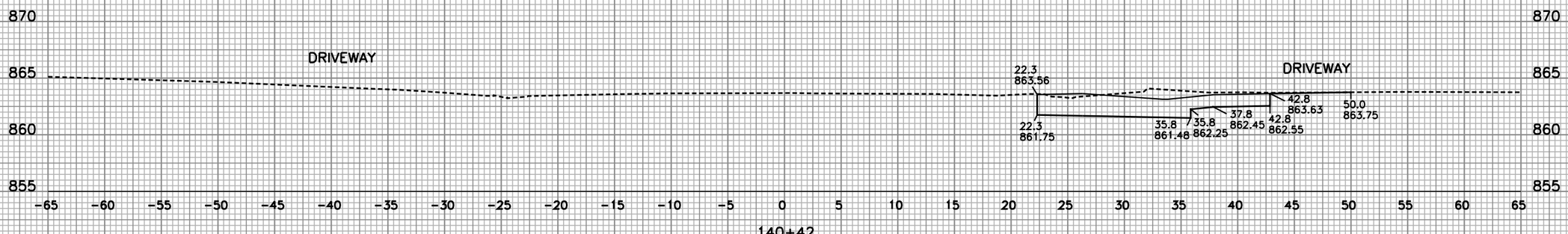


PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET E

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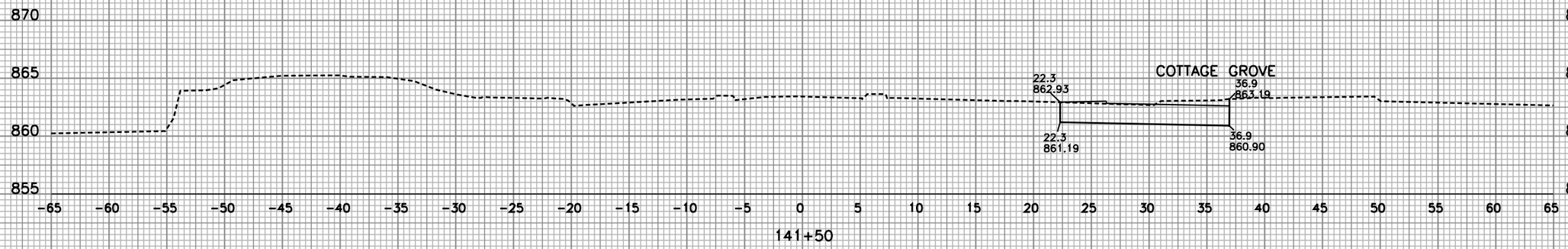
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

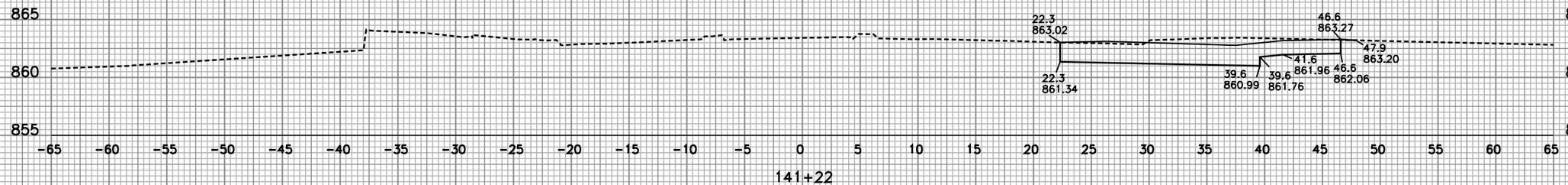
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WISDOT/CADDS SHEET 21

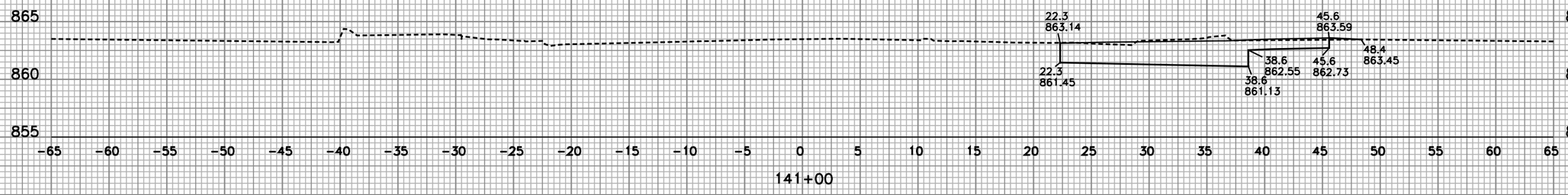
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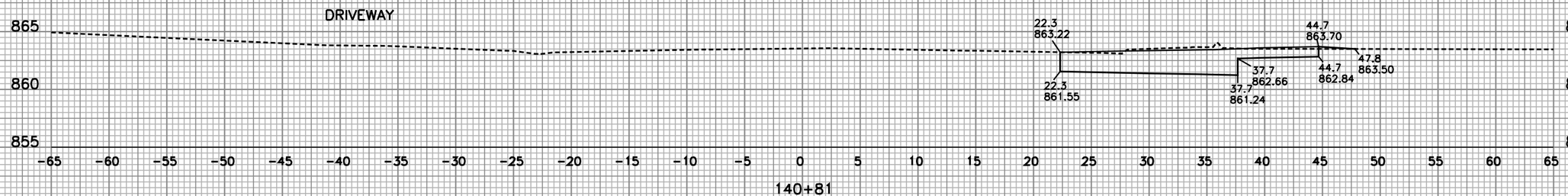
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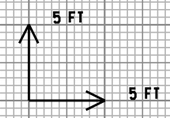
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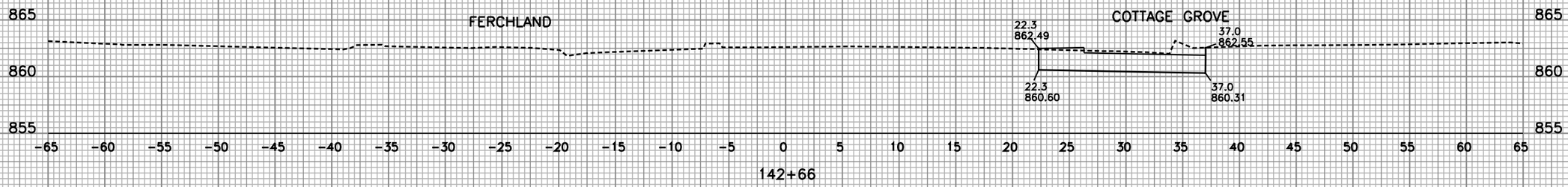
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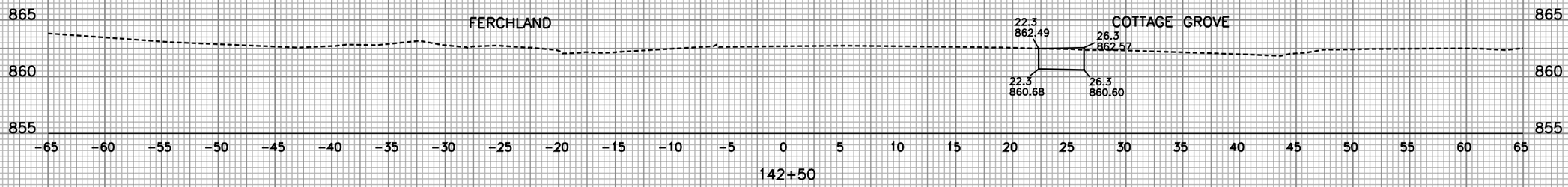
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

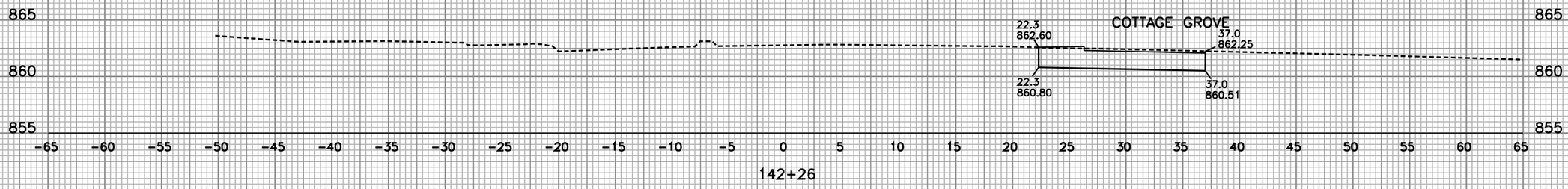
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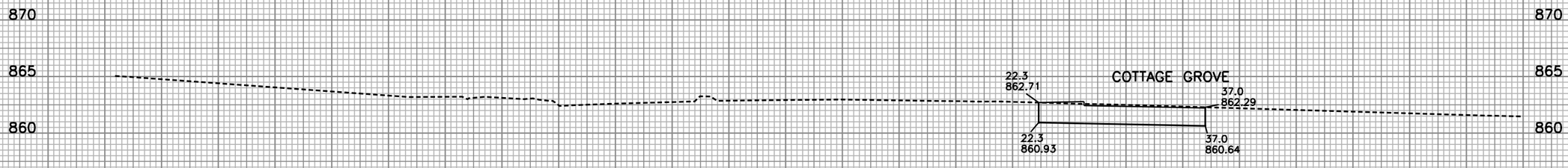
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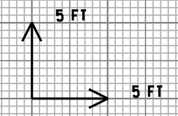
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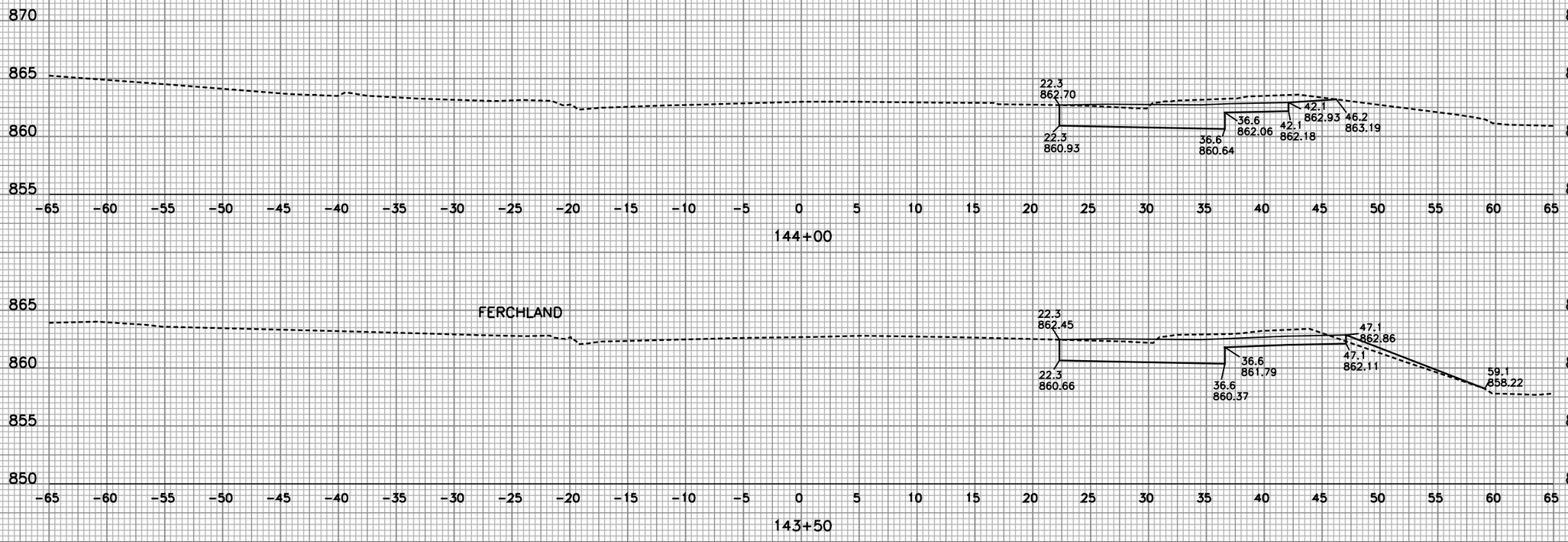
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

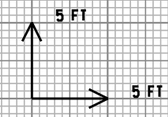
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WISDOT/CADDS SHEET 21

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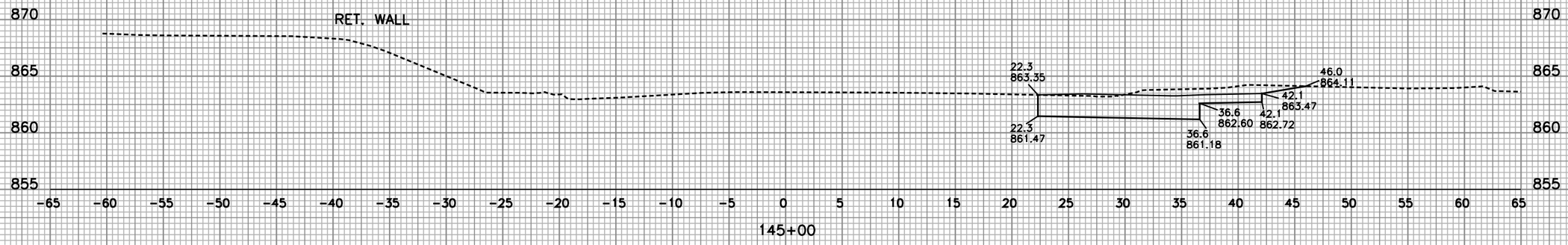




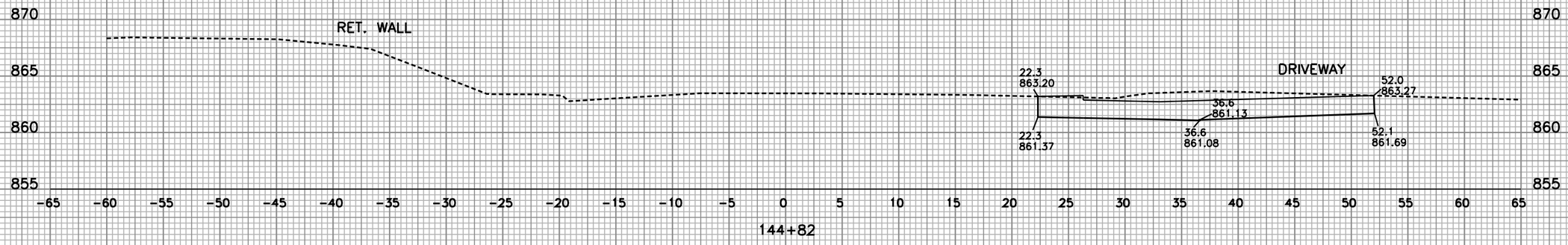
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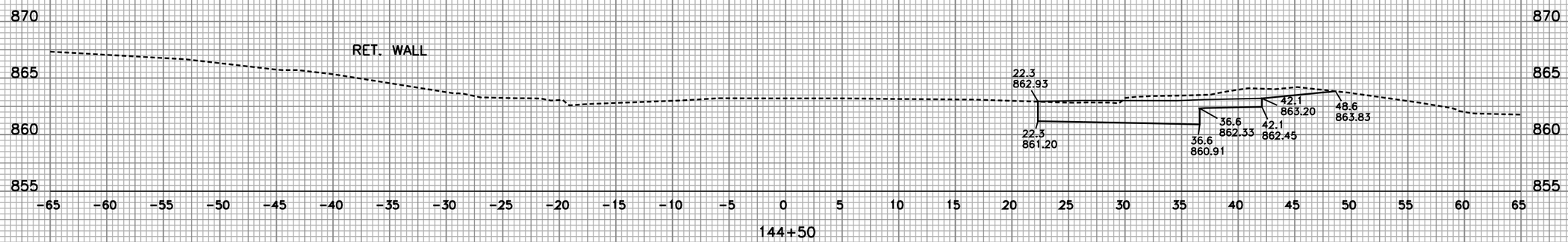
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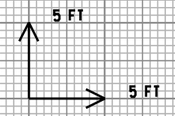
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144+82



144+50



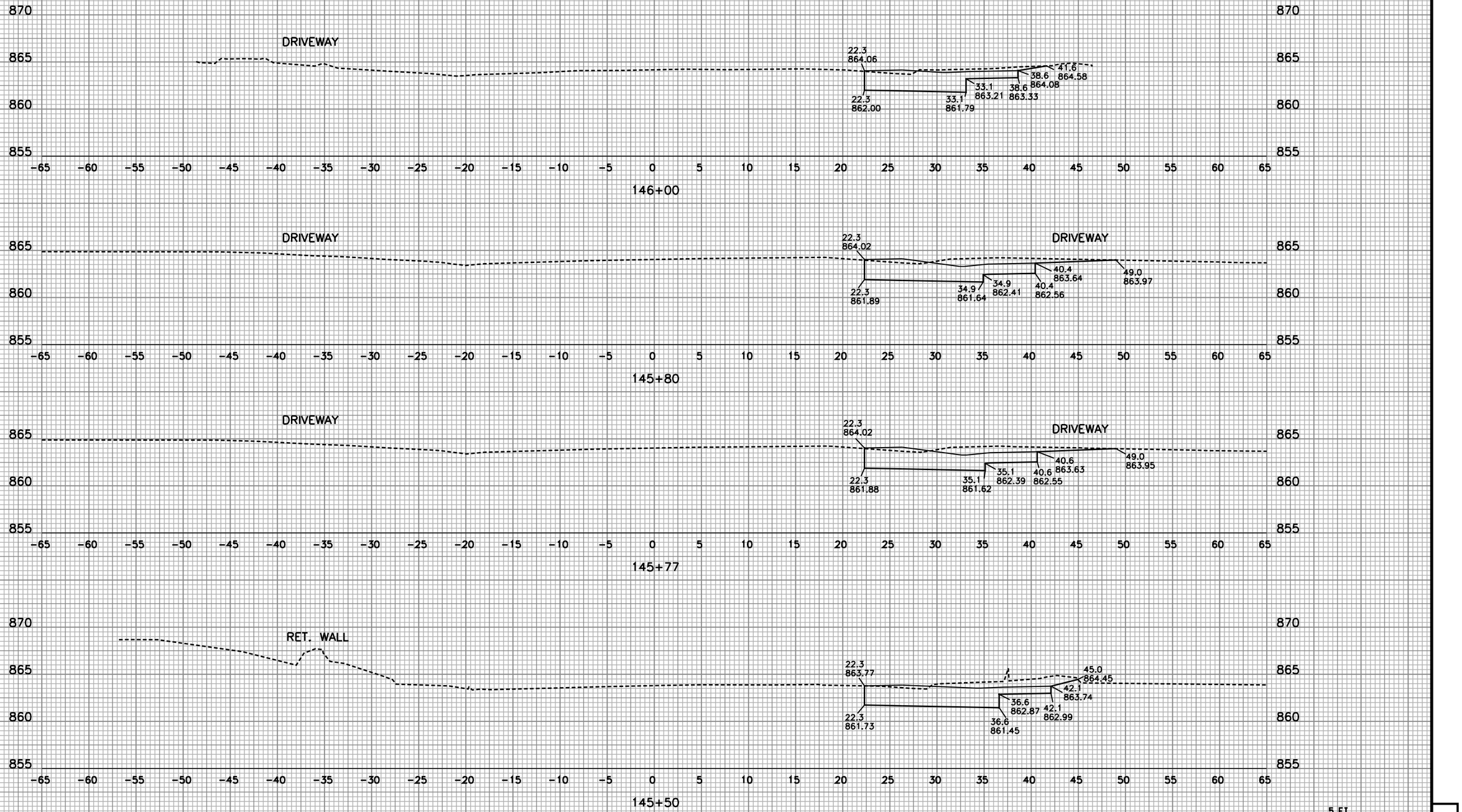
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FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

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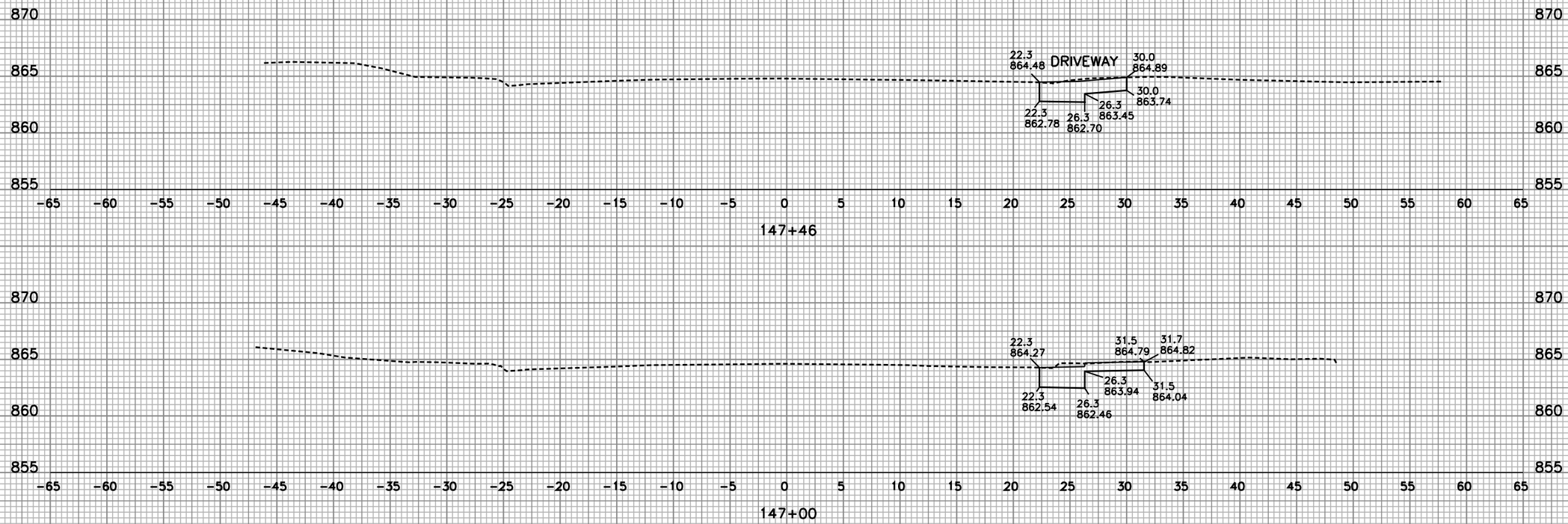


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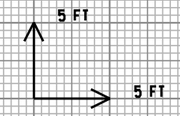
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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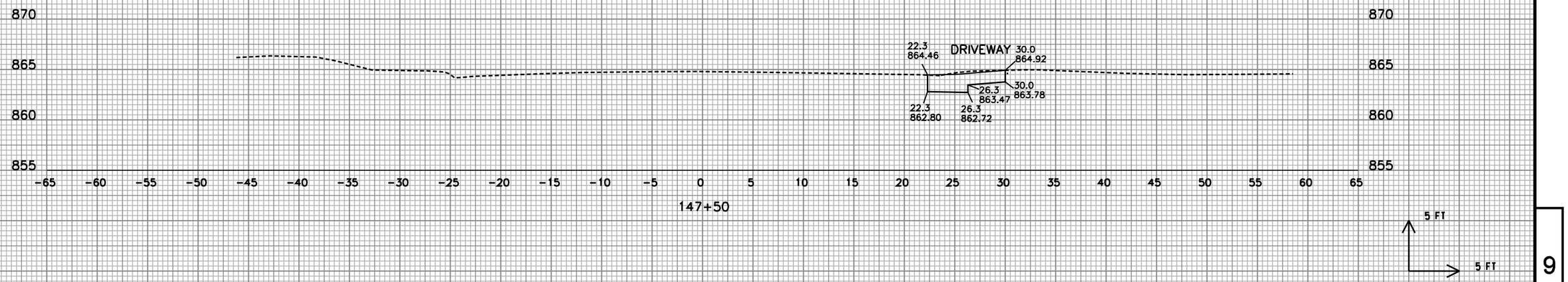


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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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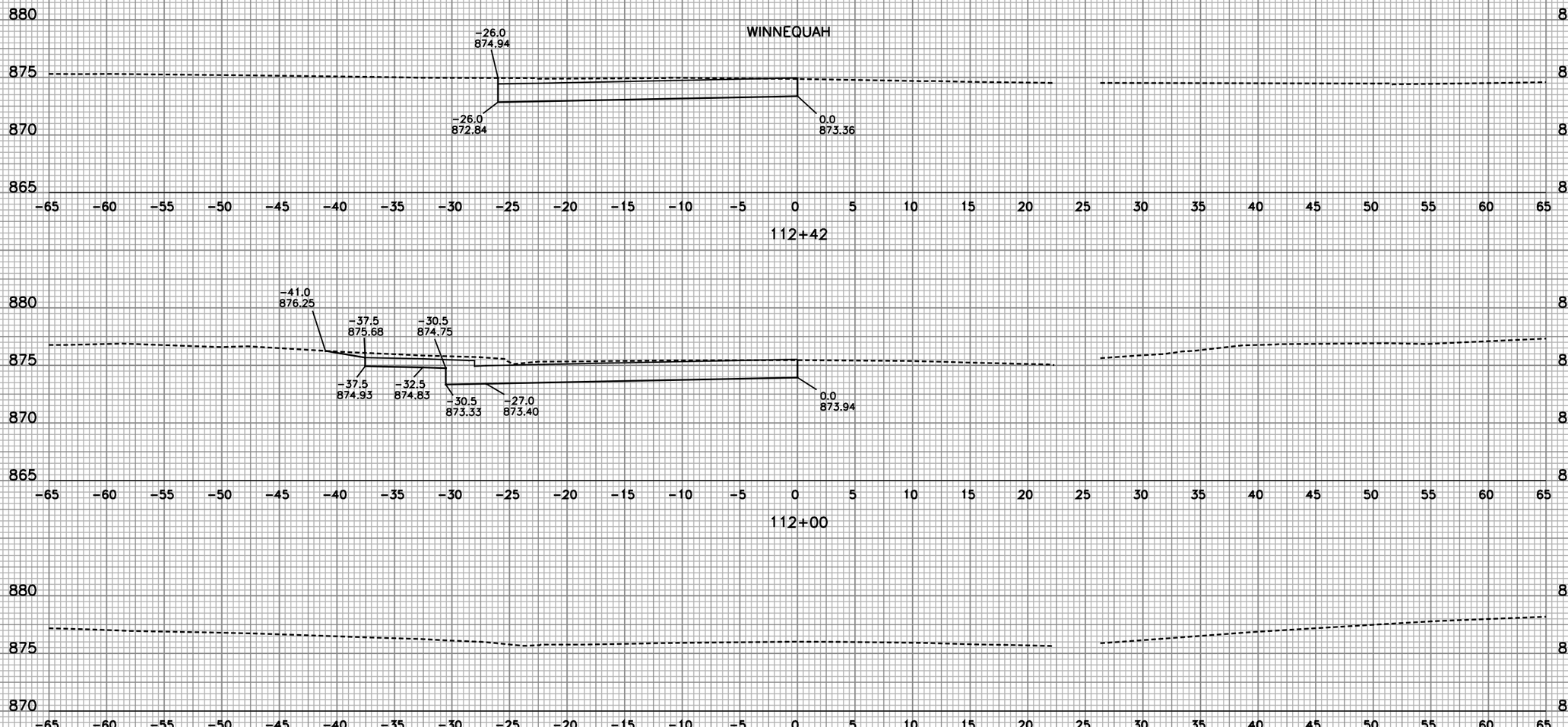
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 1: MONONA DRIVE	SHEET	E

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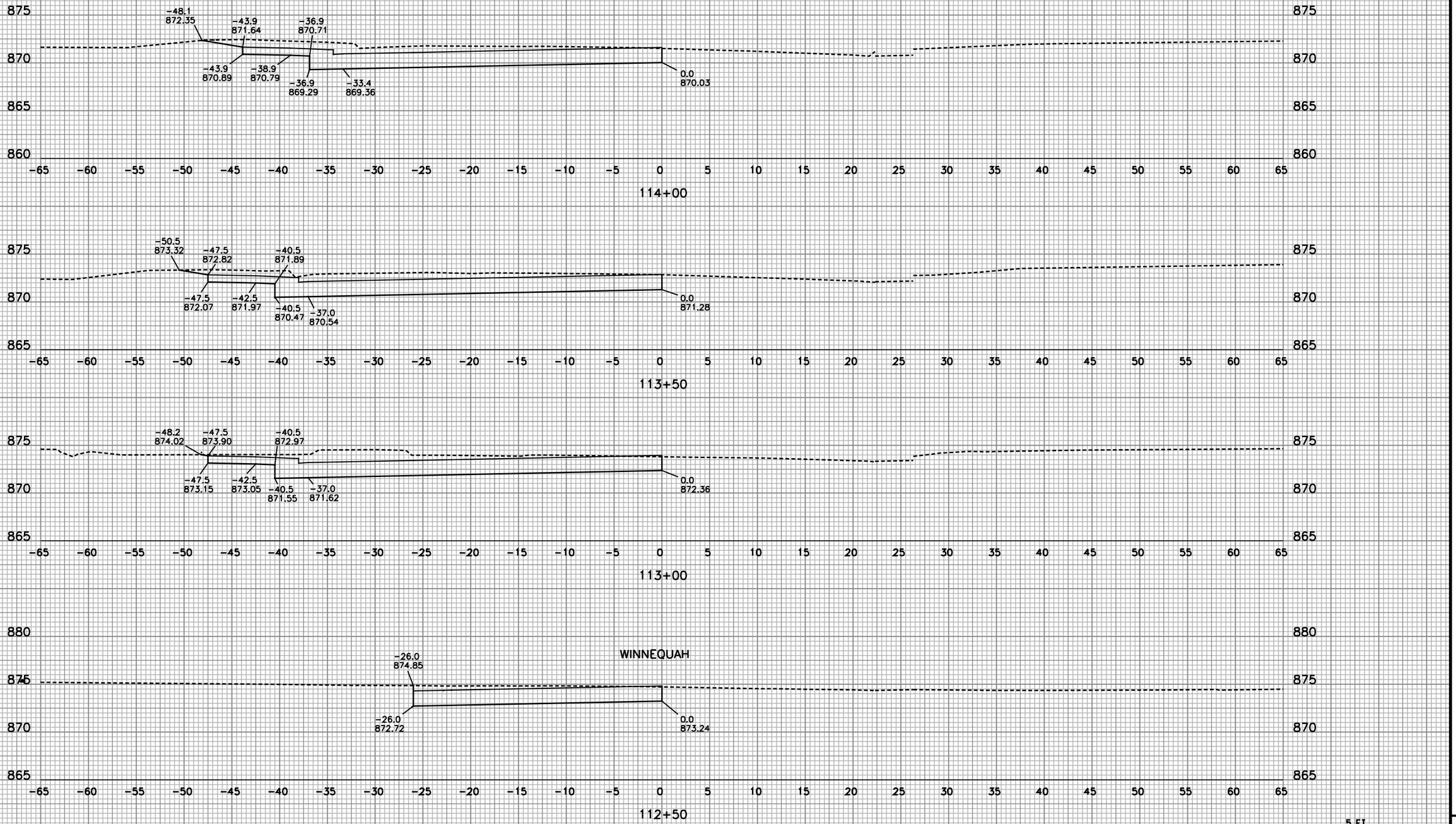
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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WISDOT/CADDS SHEET 21



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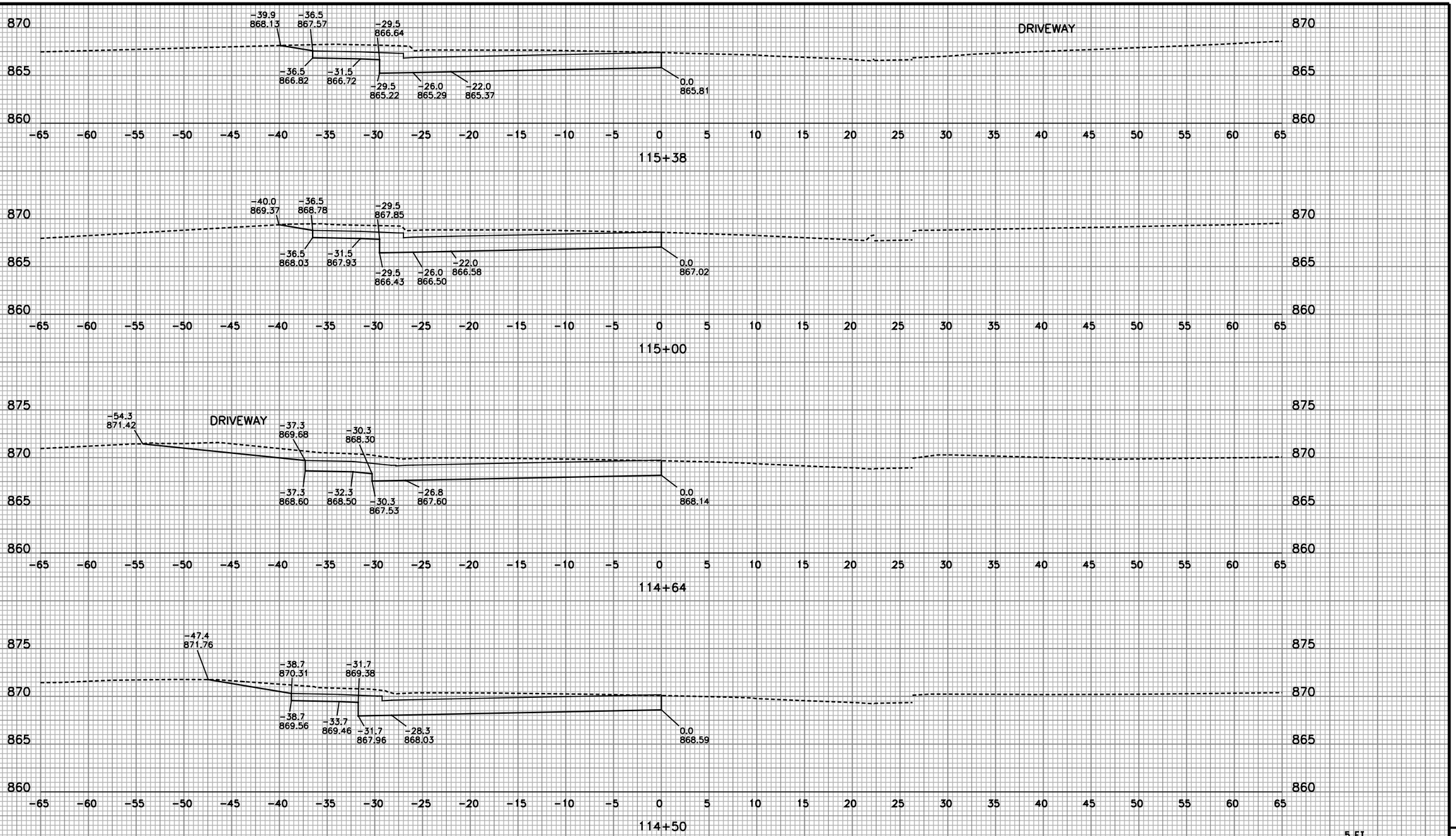
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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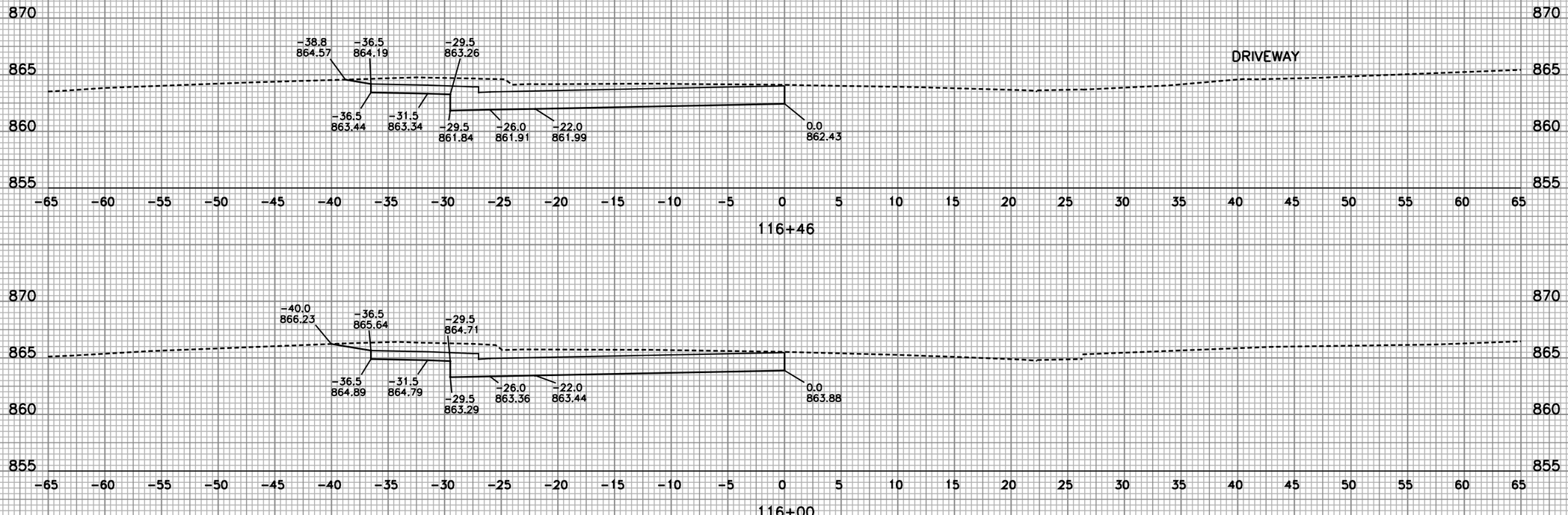
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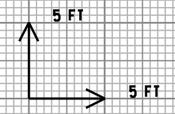
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WISDOT/CADDS SHEET 21



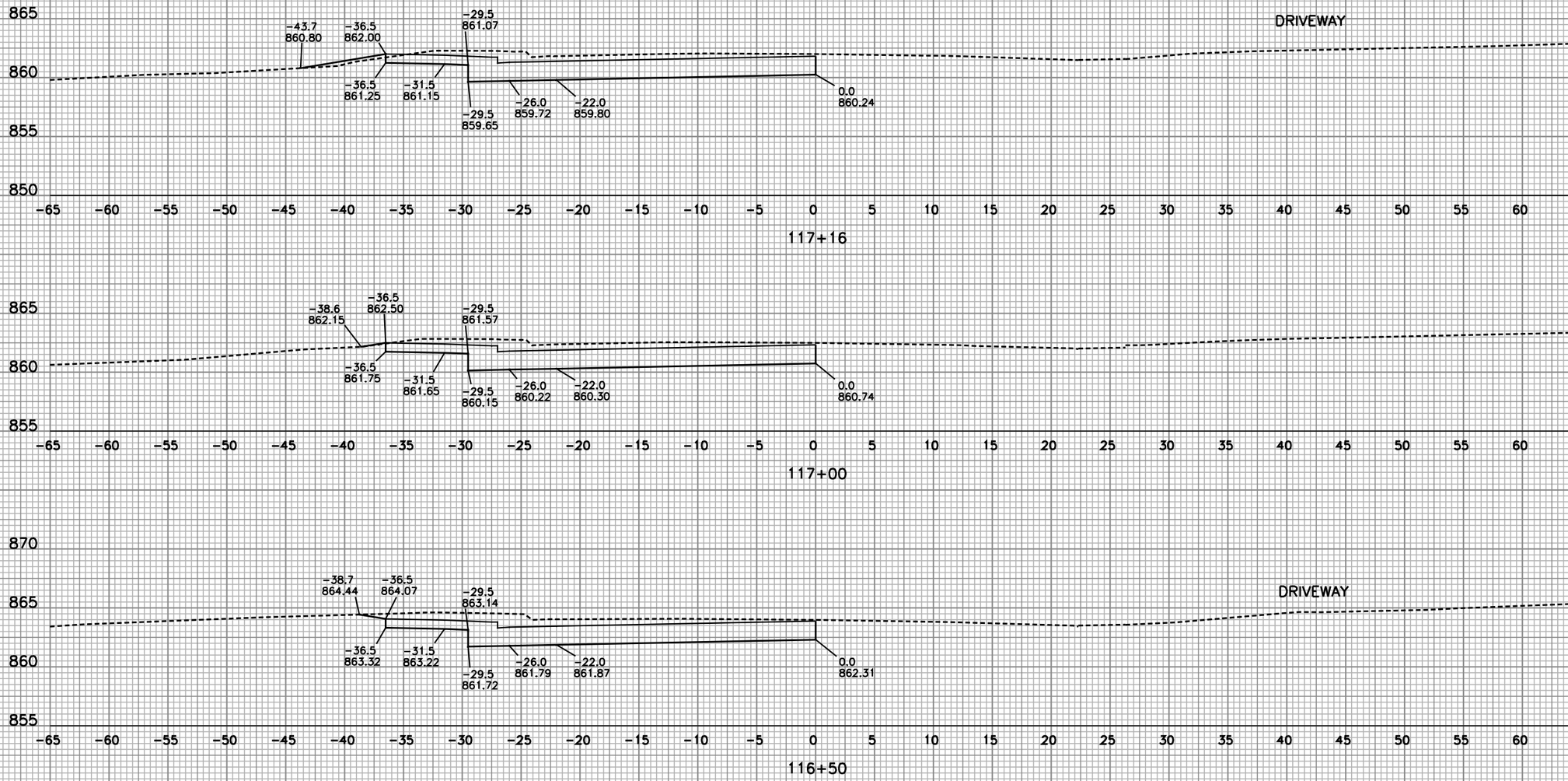




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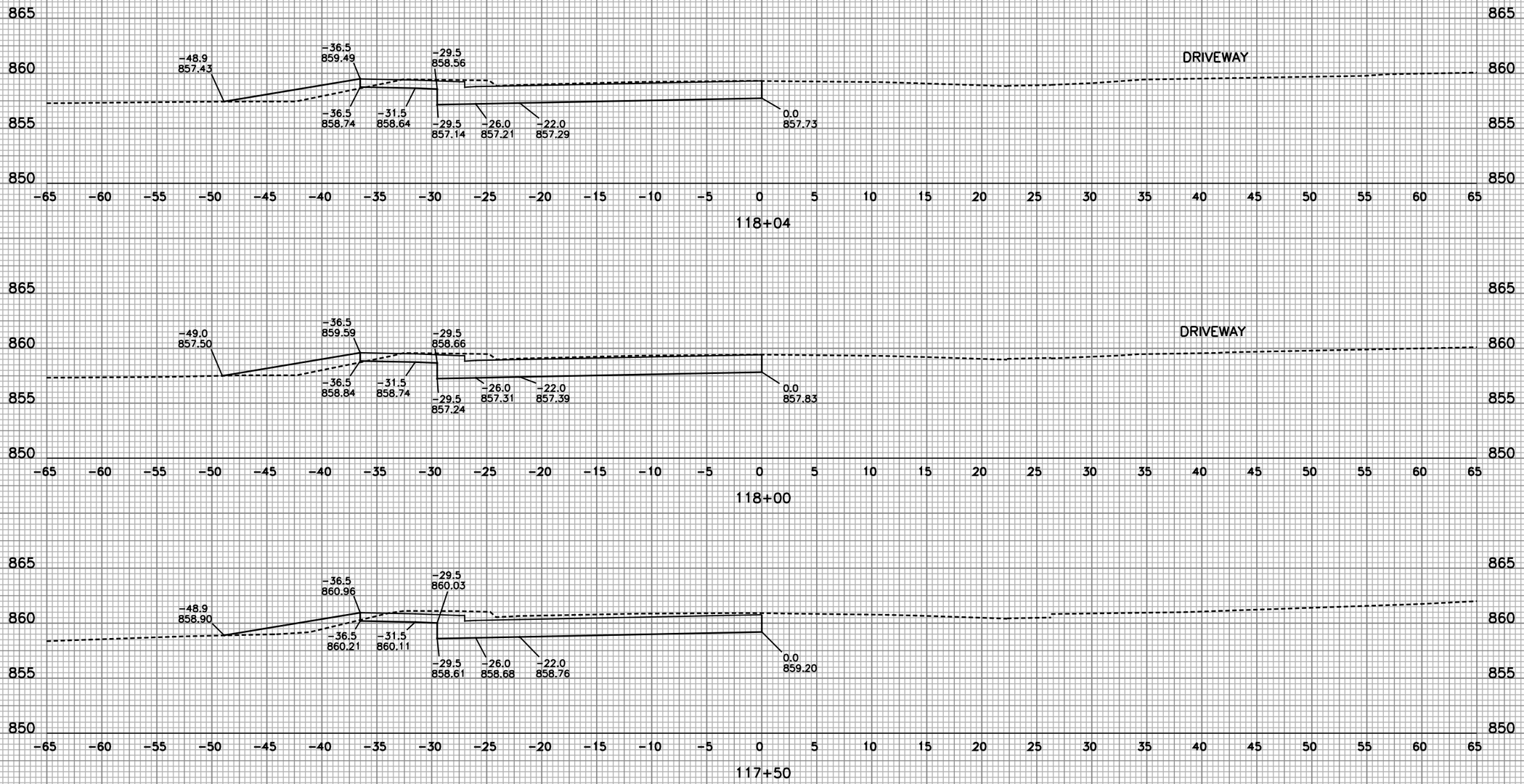
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET E

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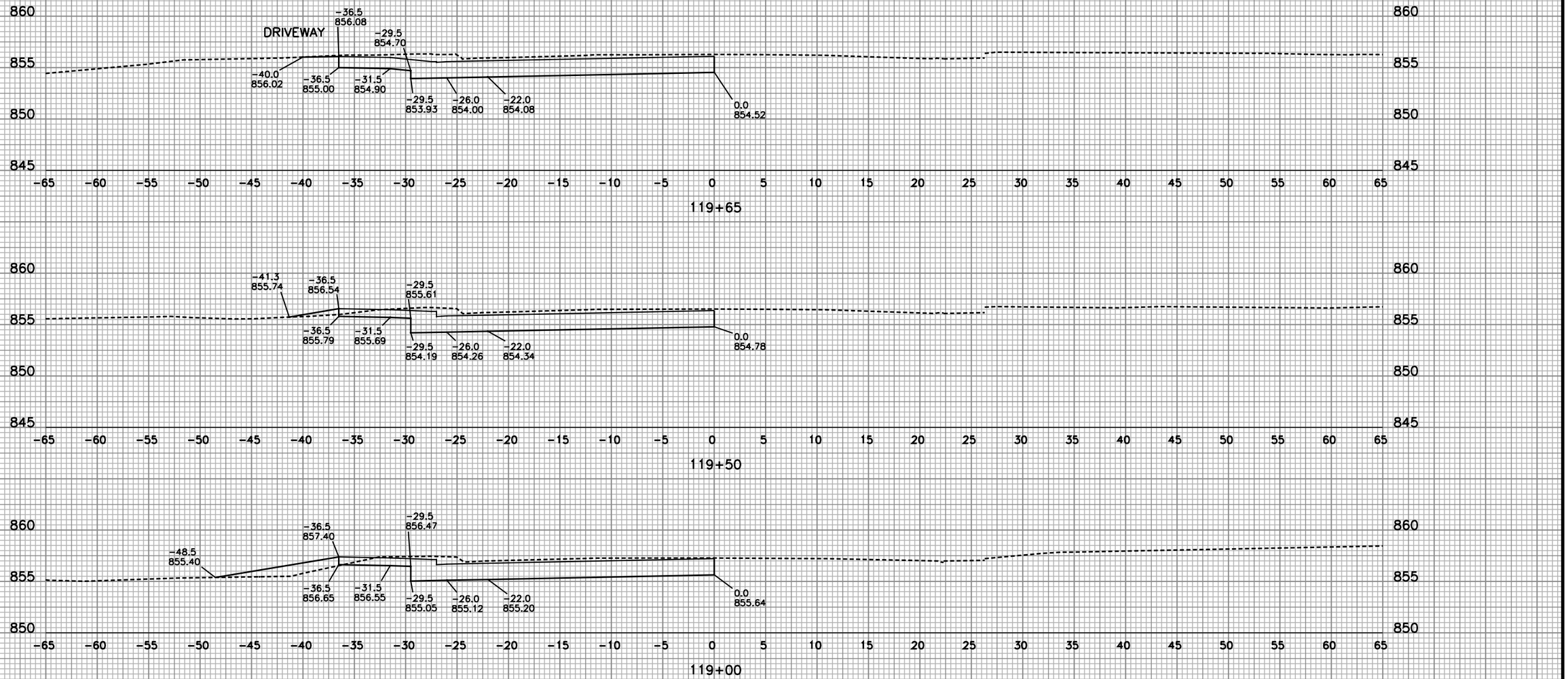
WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E



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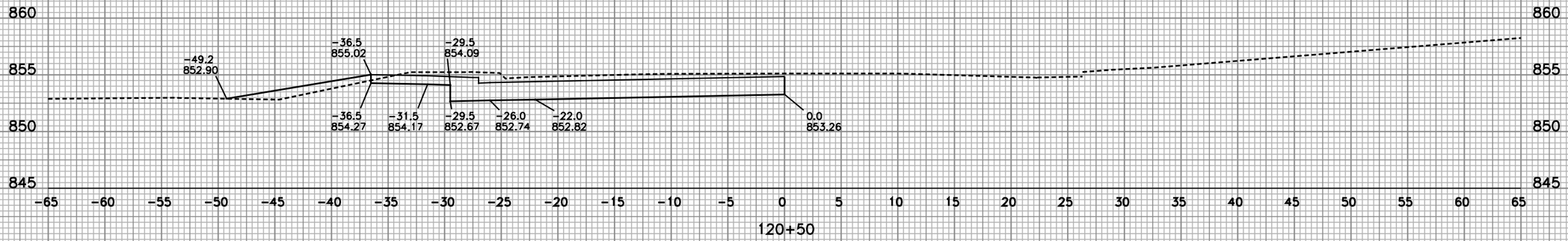
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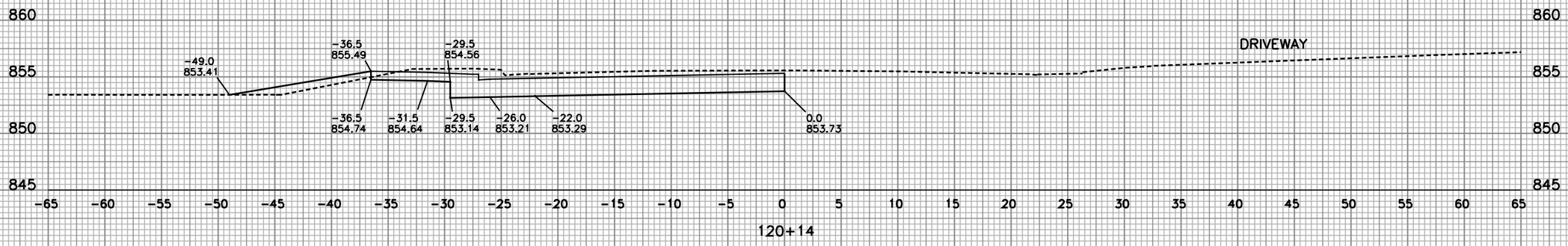
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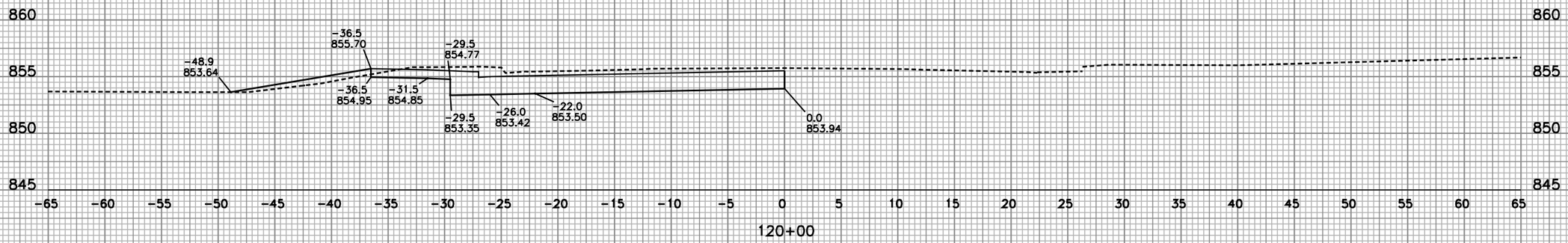
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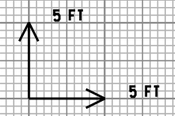
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WISDOT/CADDS SHEET 21





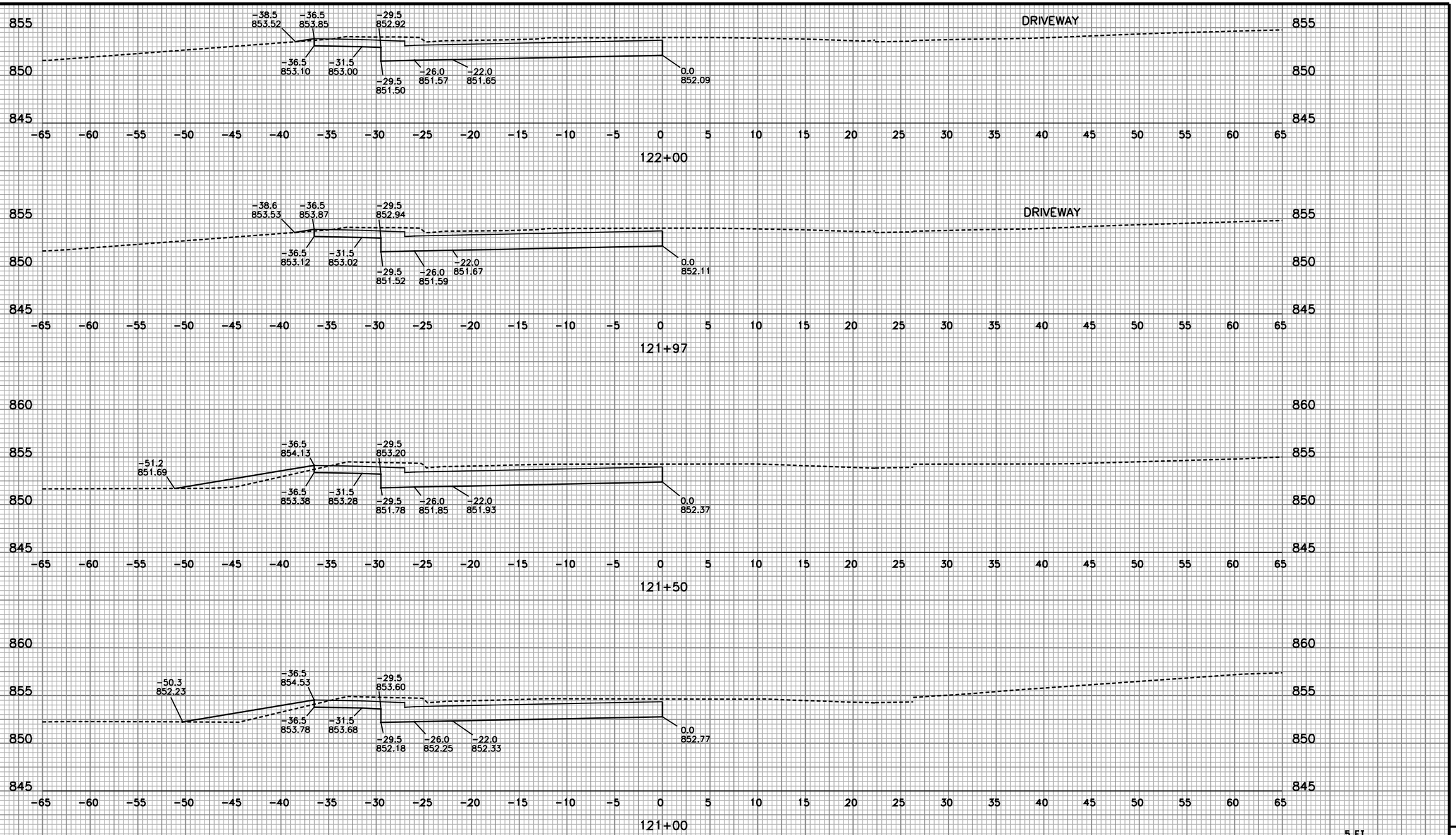




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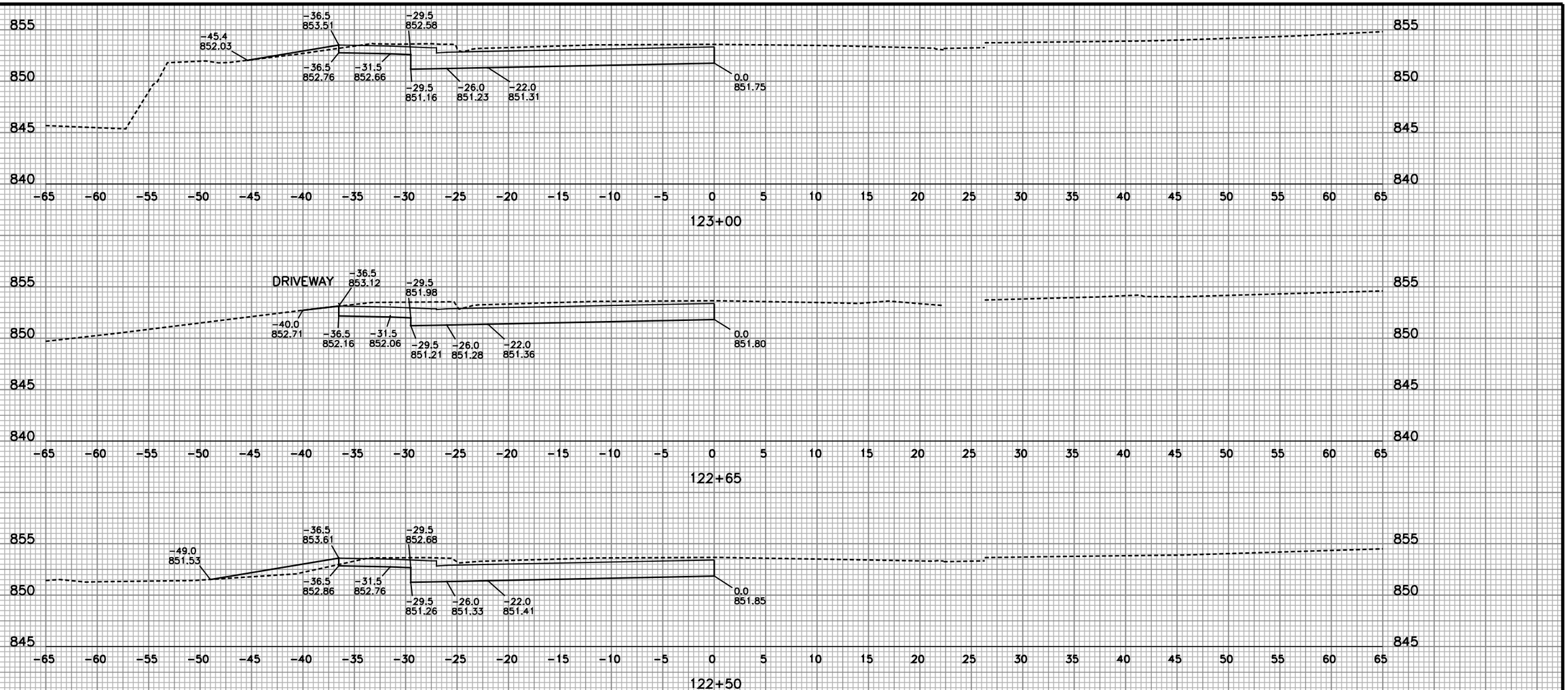
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

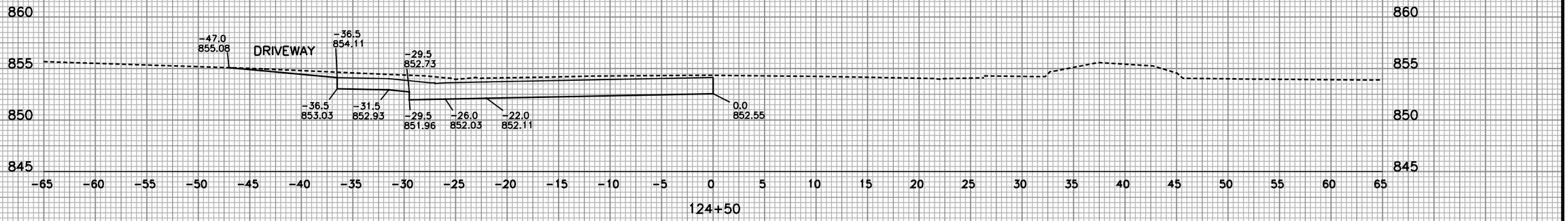
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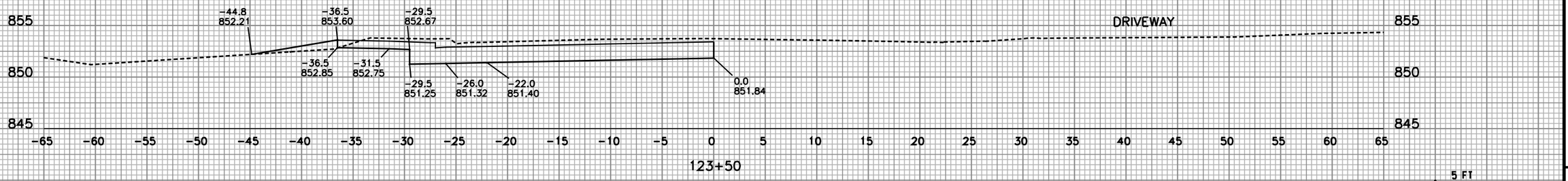
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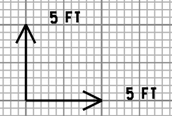
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WISDOT/CADDS SHEET 21









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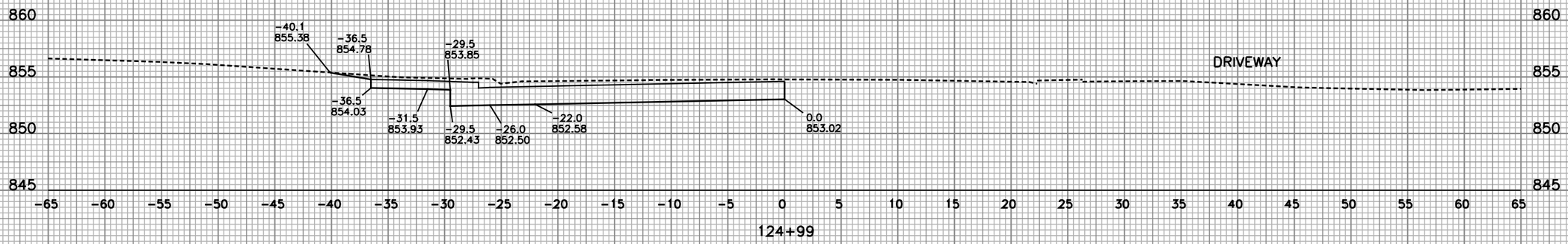
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WISDOT/CADDS SHEET 21

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5 FT

5 FT

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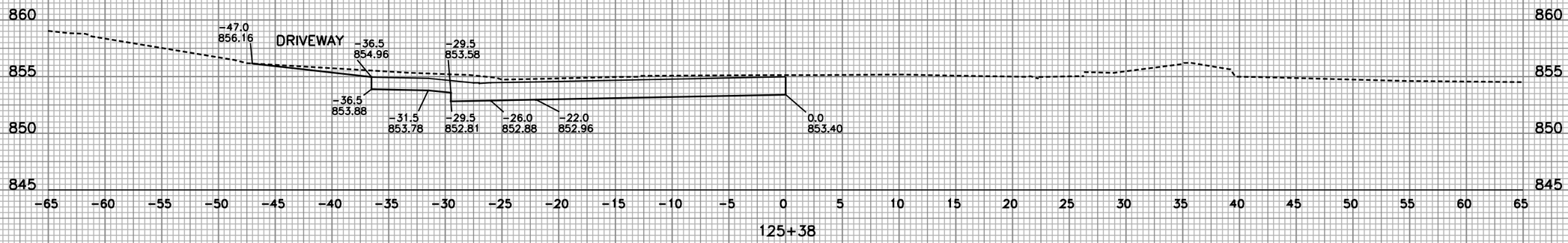
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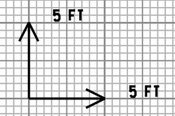
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$









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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

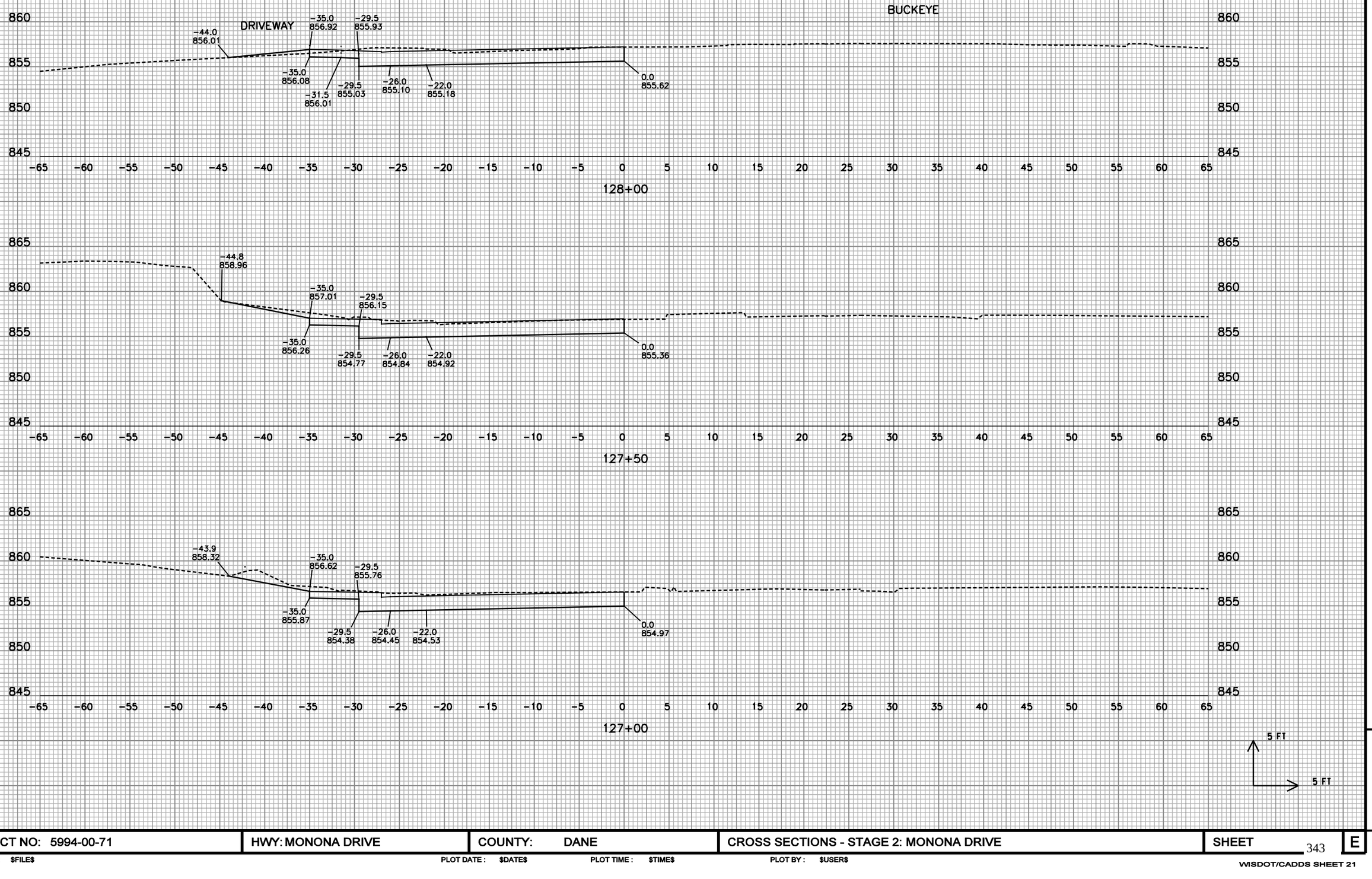
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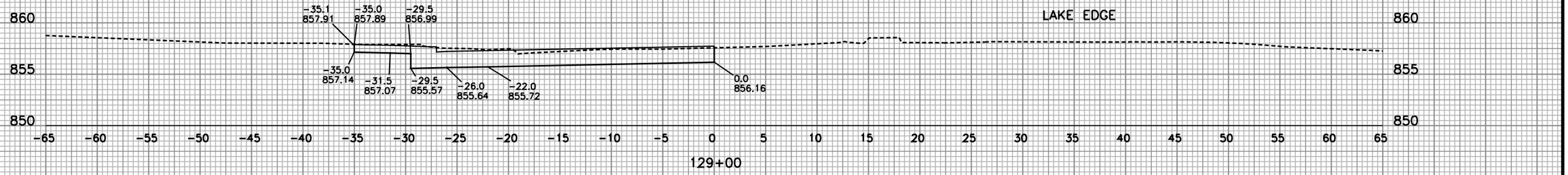
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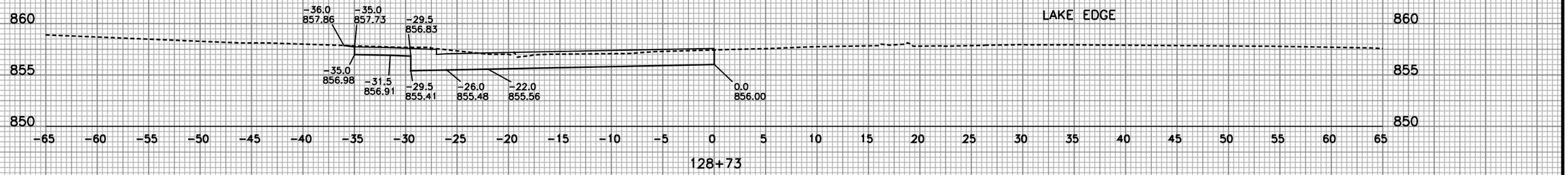
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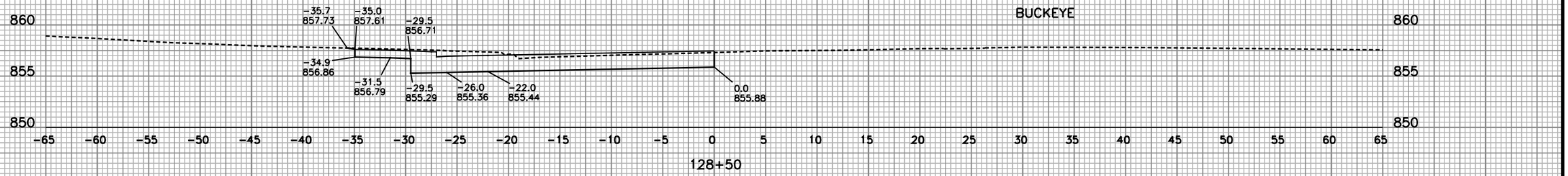
WISDOT/CADDS SHEET 21



129+00



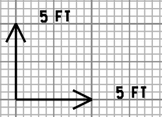
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128+50



128+11



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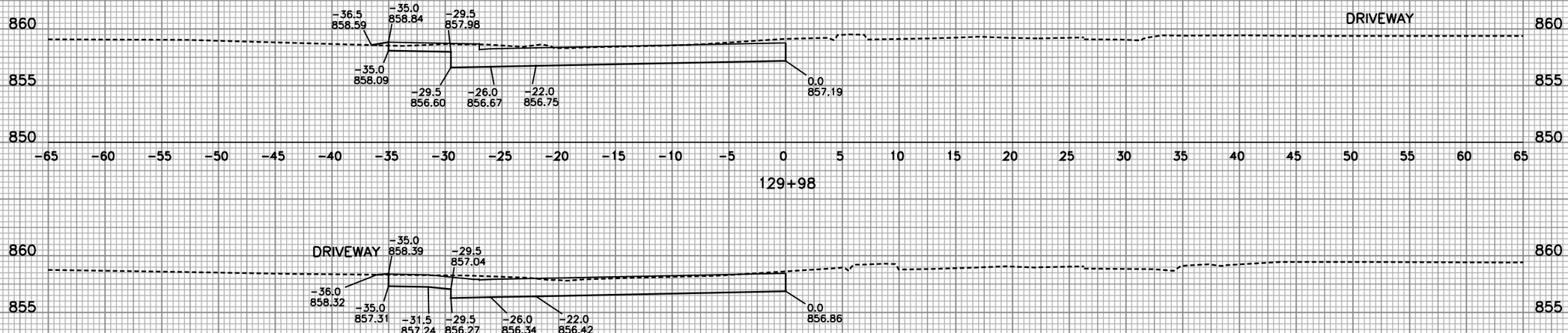
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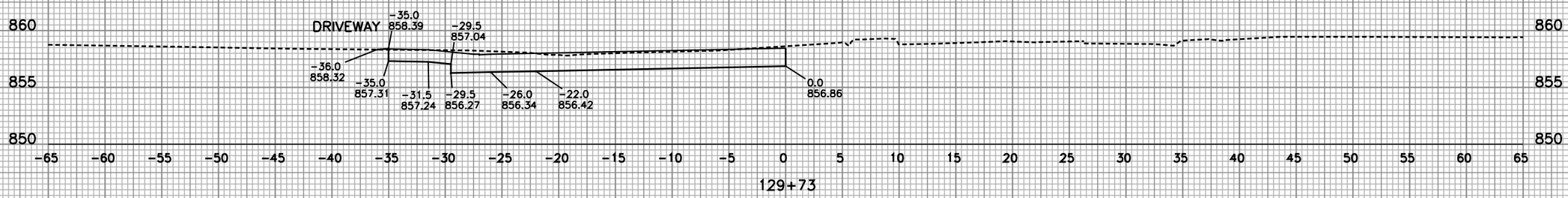
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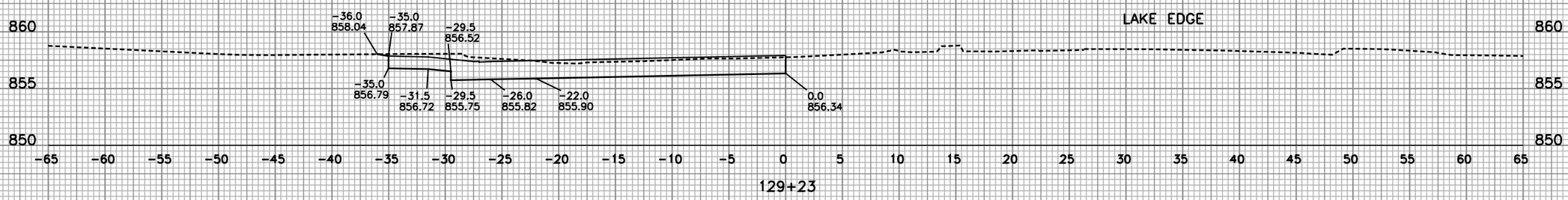
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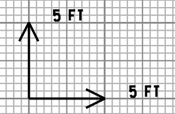
WISDOT/CADDS SHEET 21











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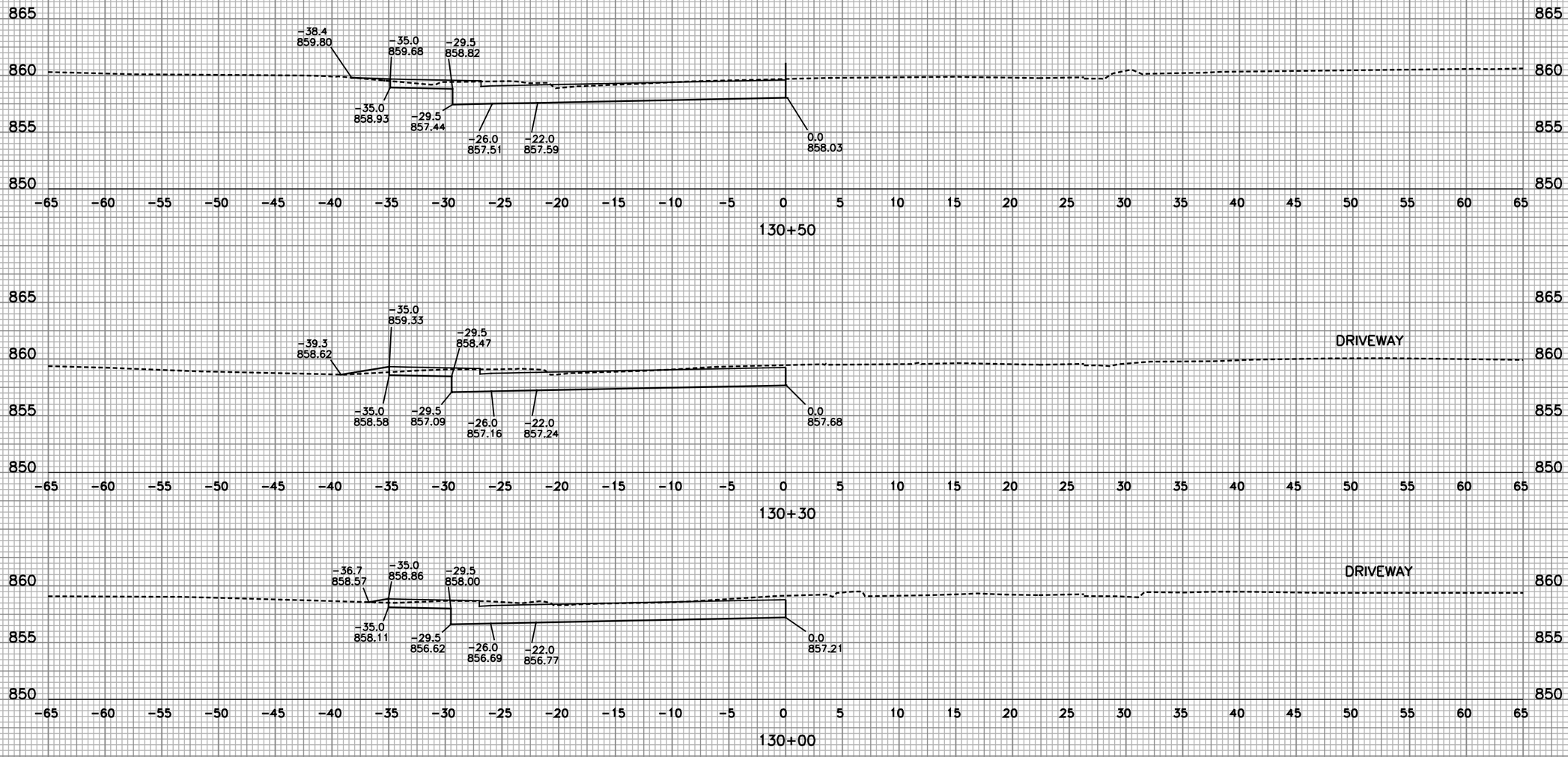
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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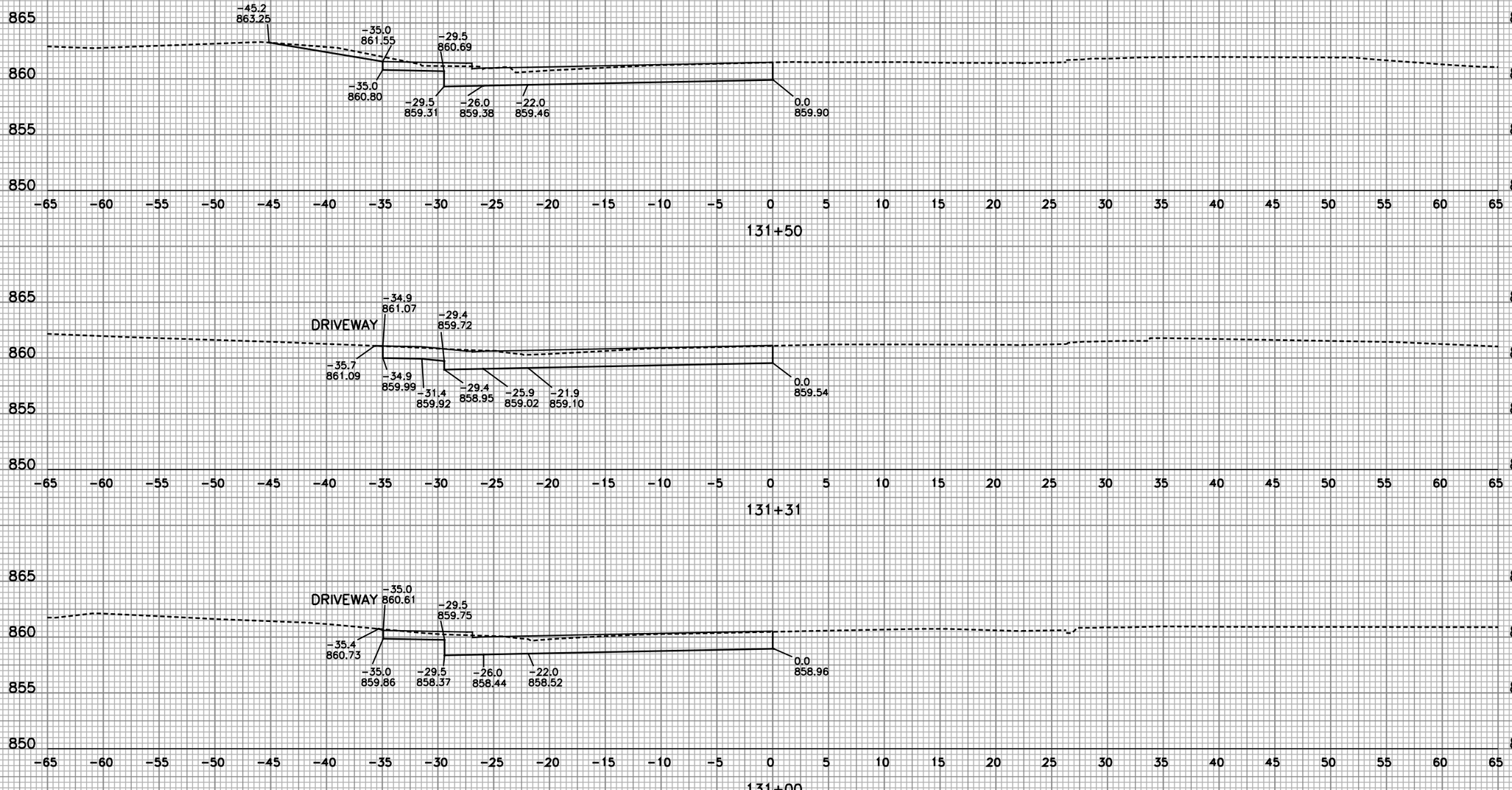
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

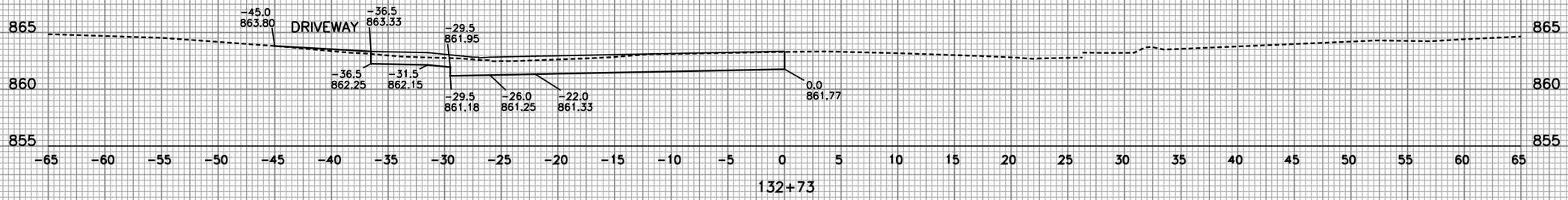
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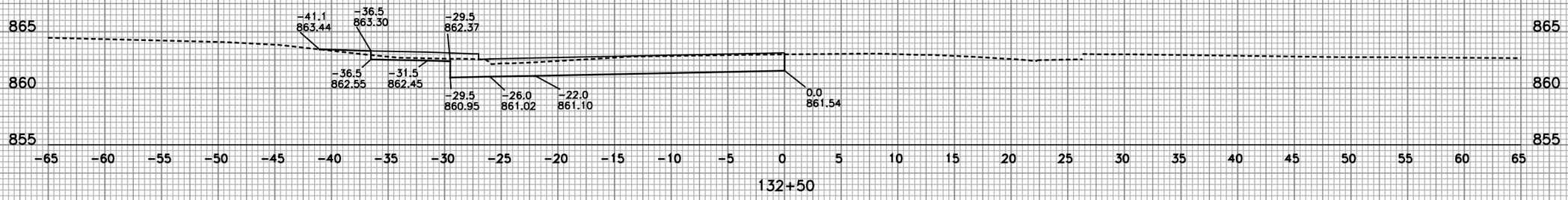
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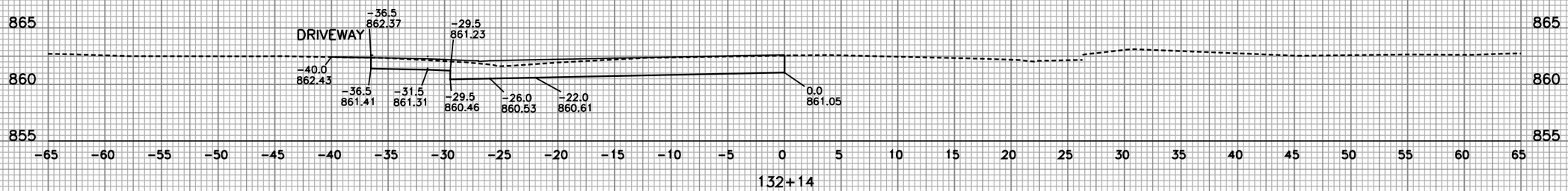
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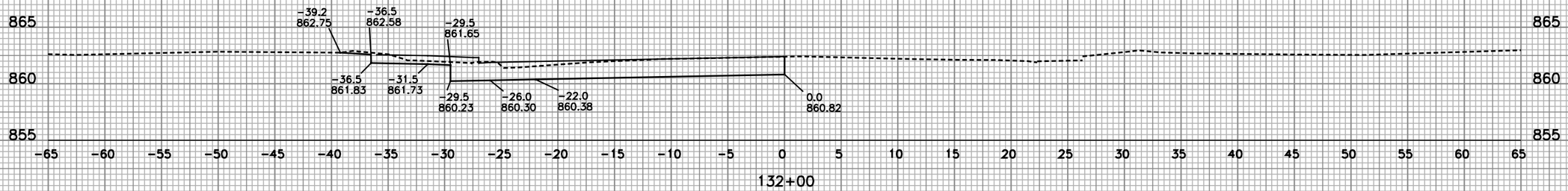
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132+50



132+14



132+00

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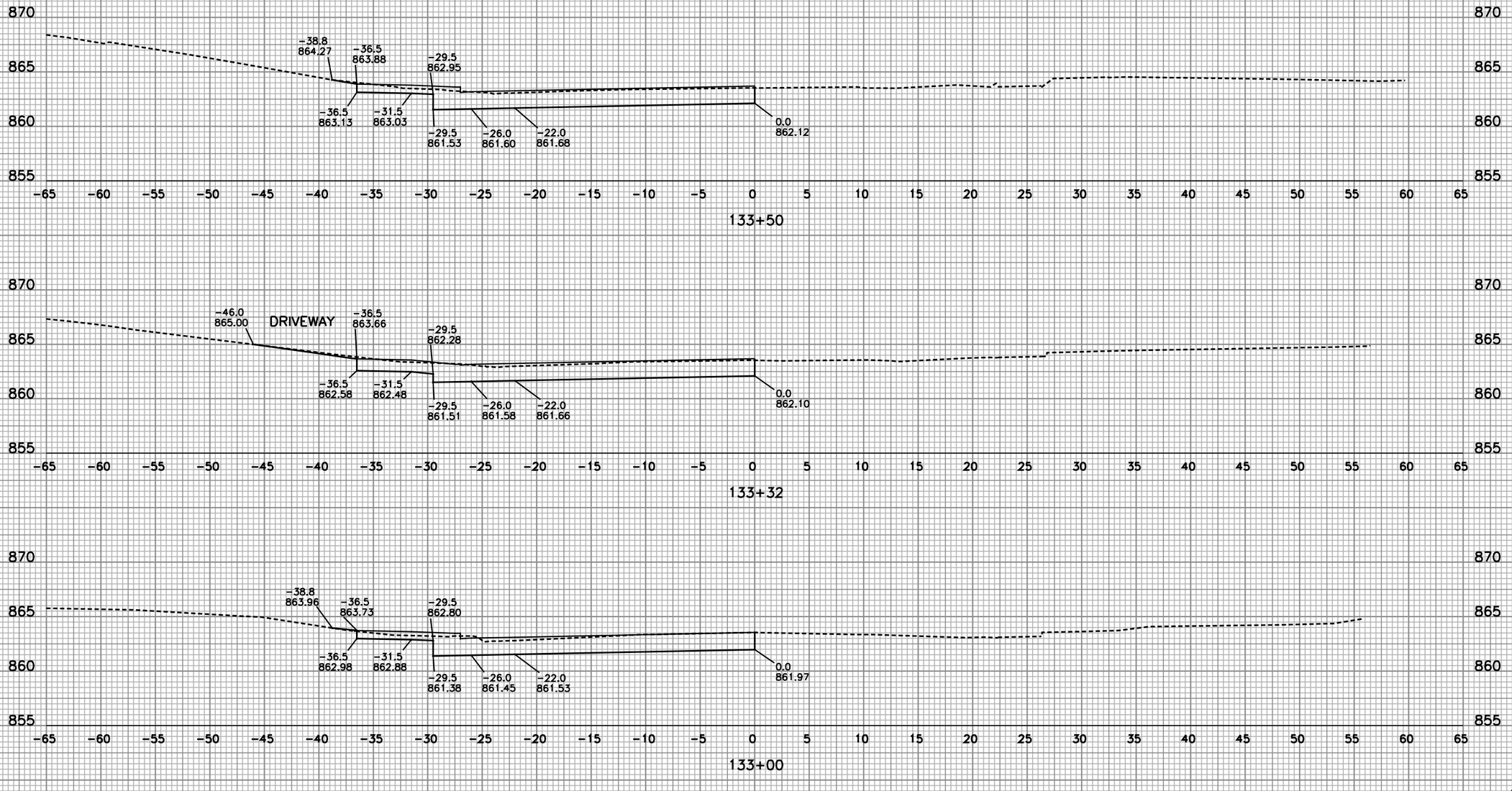
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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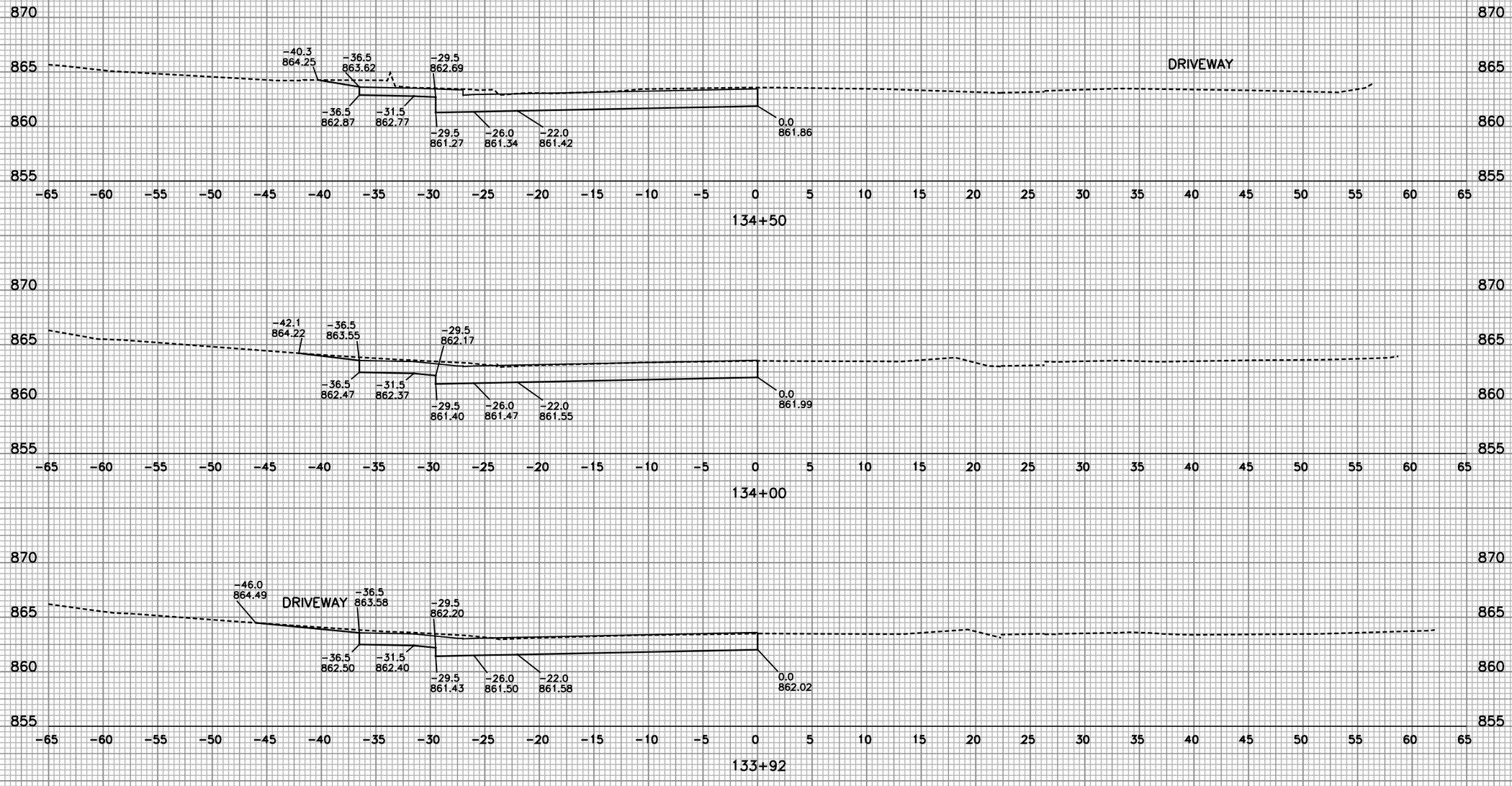
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET E

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WISDOT/CADDS SHEET 21

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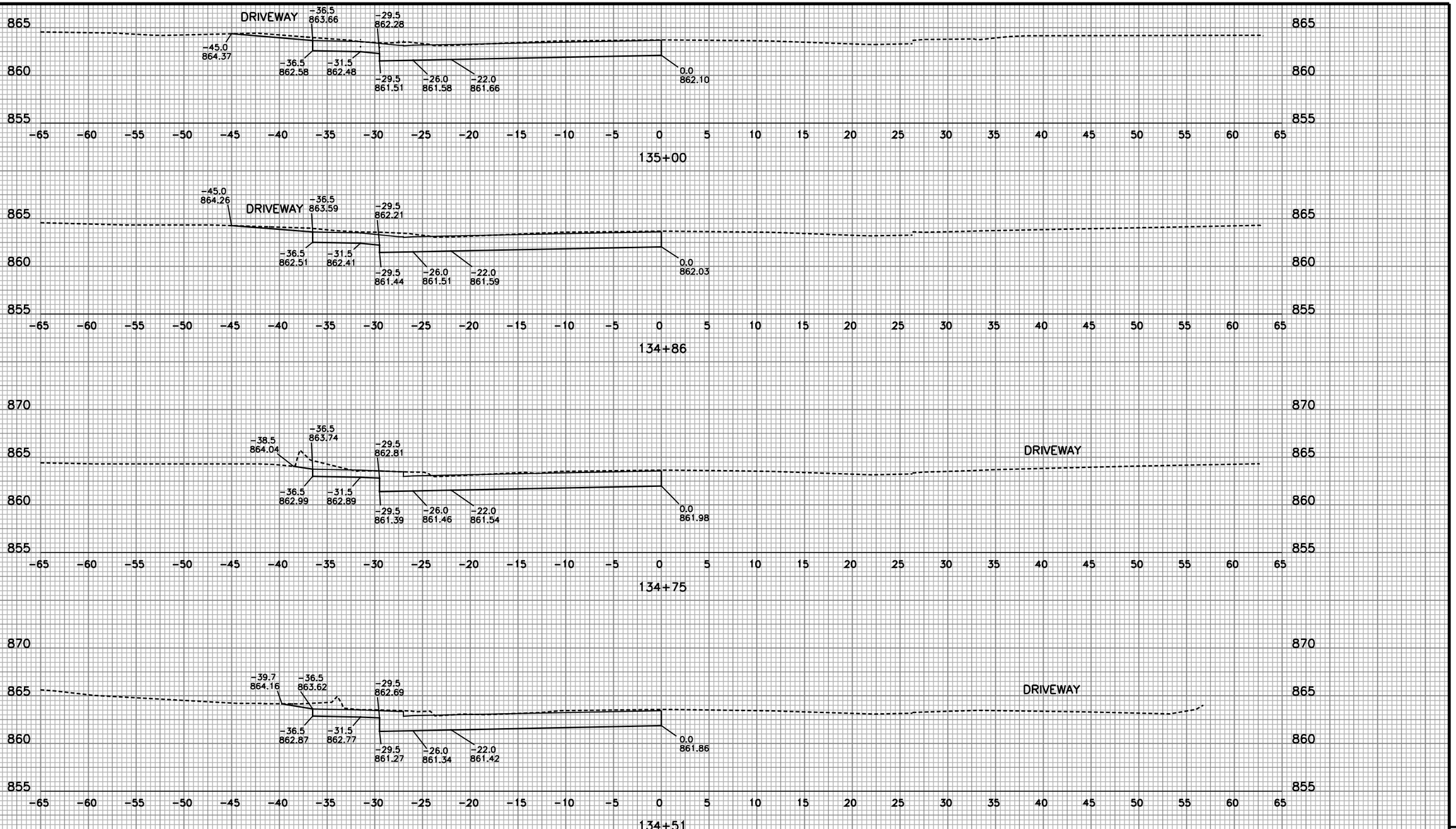
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET 350	E

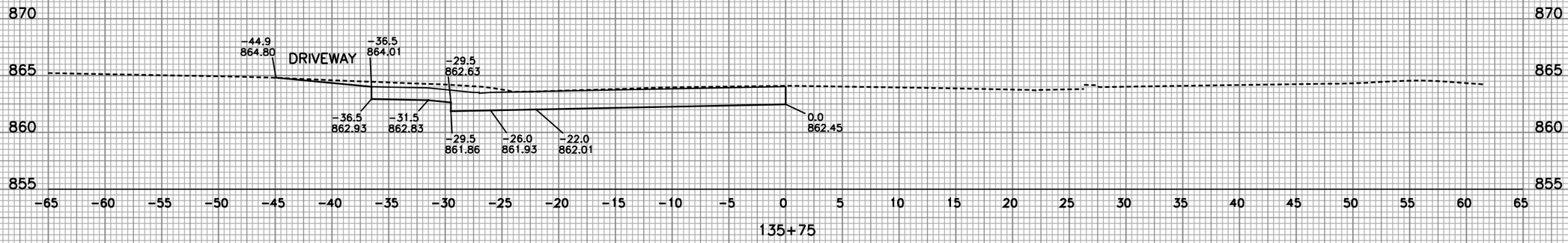
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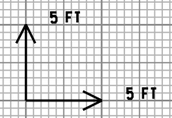
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E









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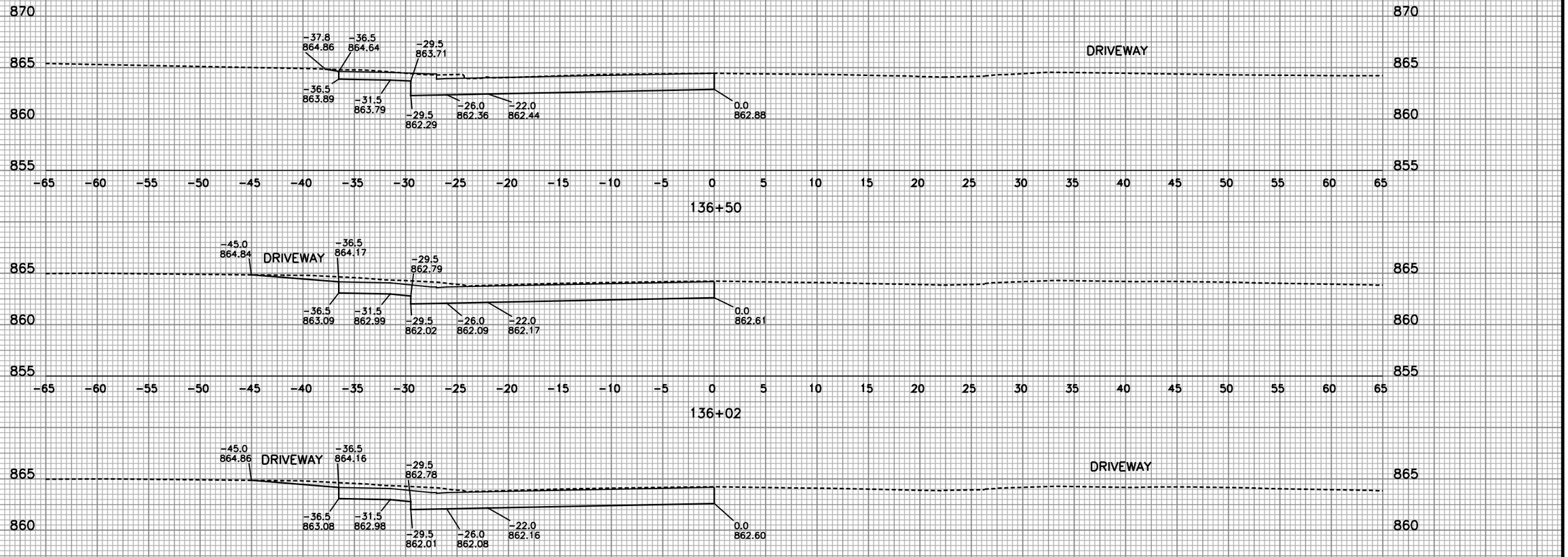
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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WISDOT/CADDS SHEET 21



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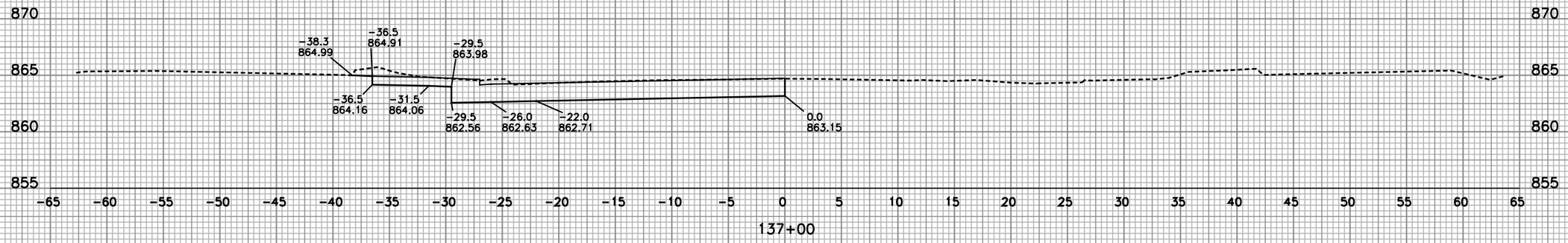
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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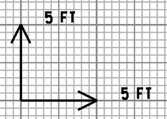
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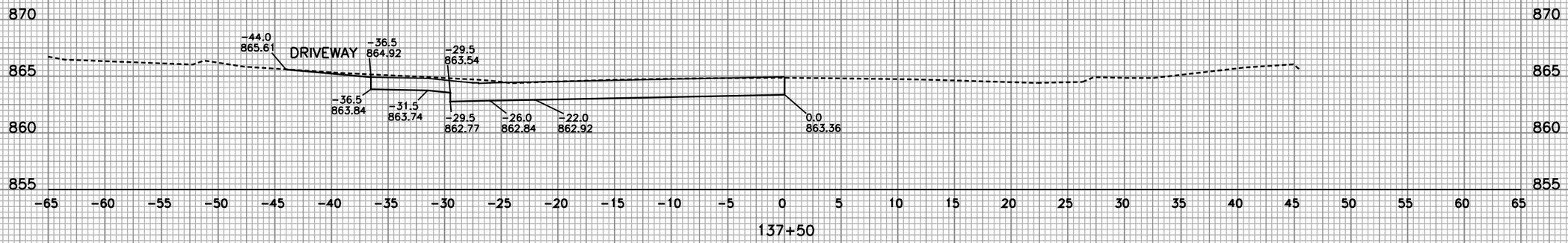


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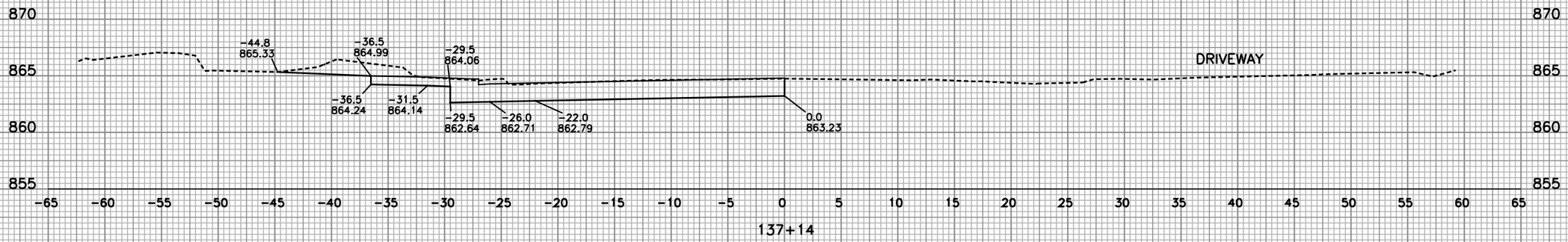
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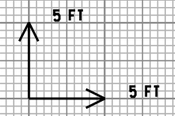
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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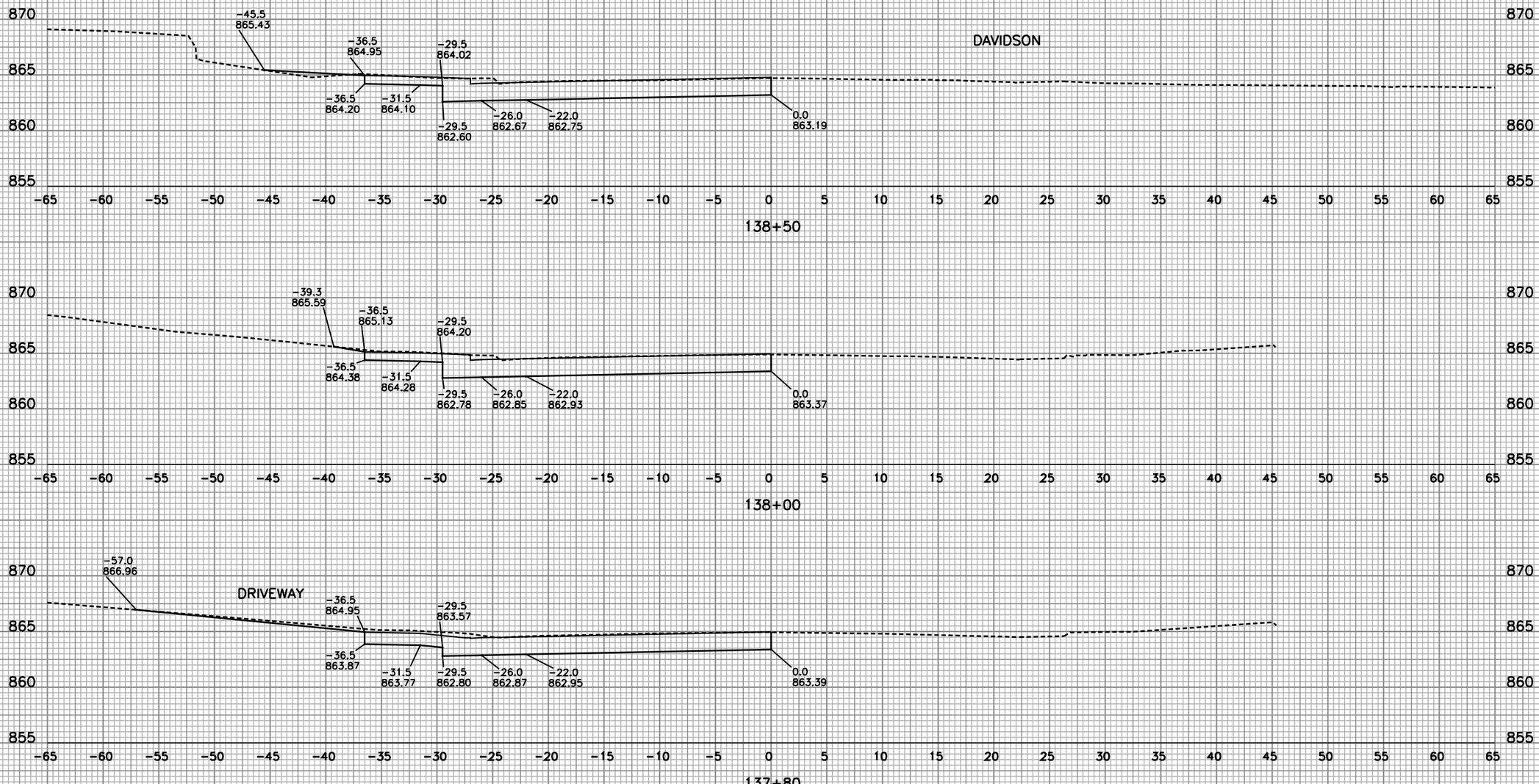
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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WISDOT/CADDS SHEET 21

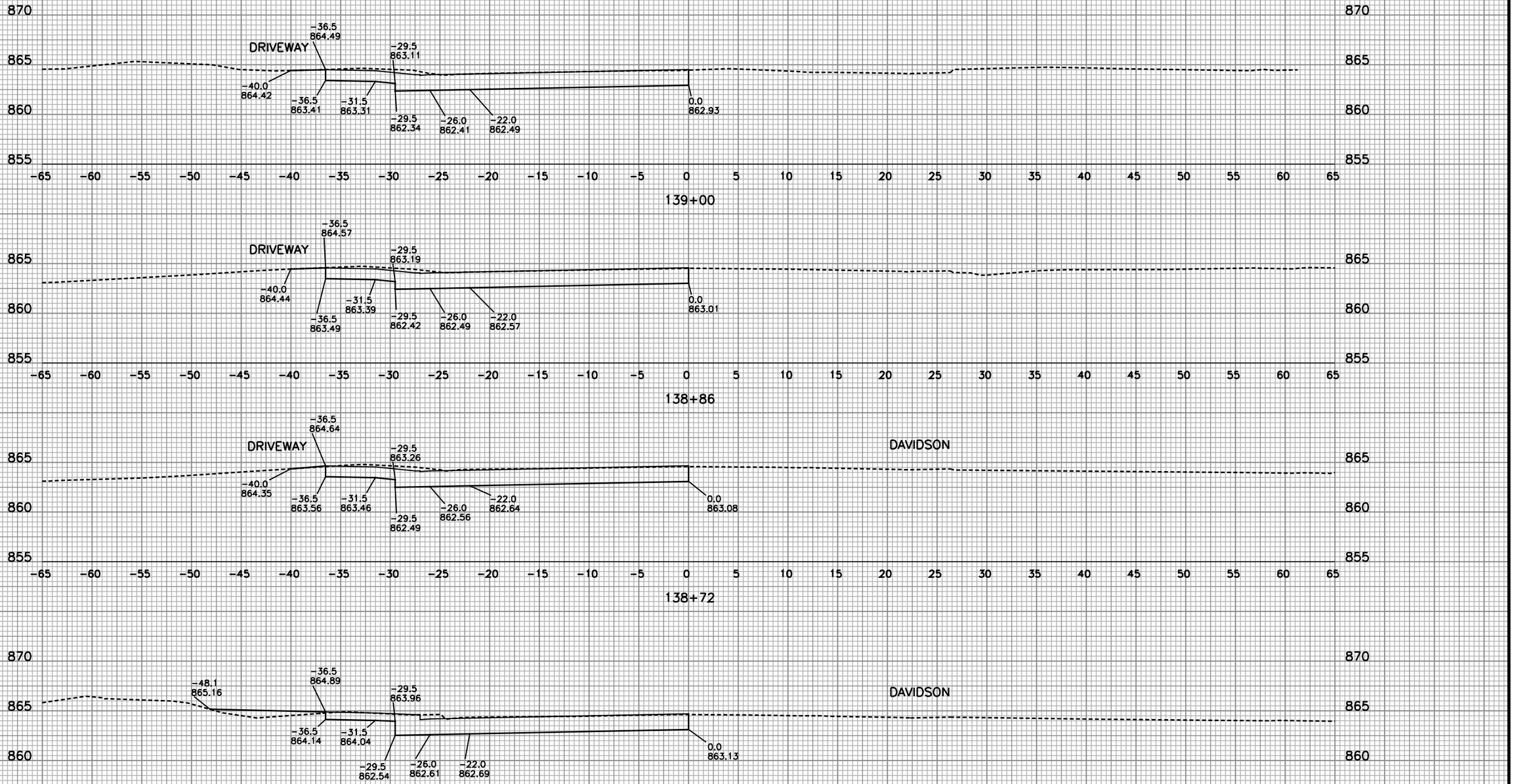
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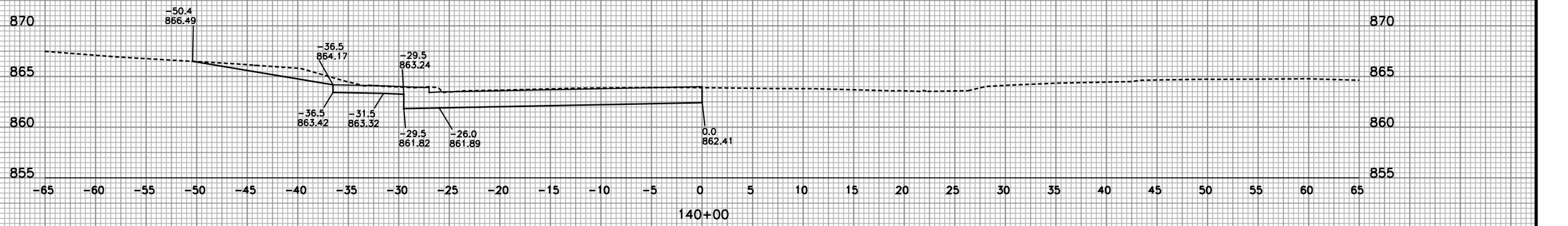
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E



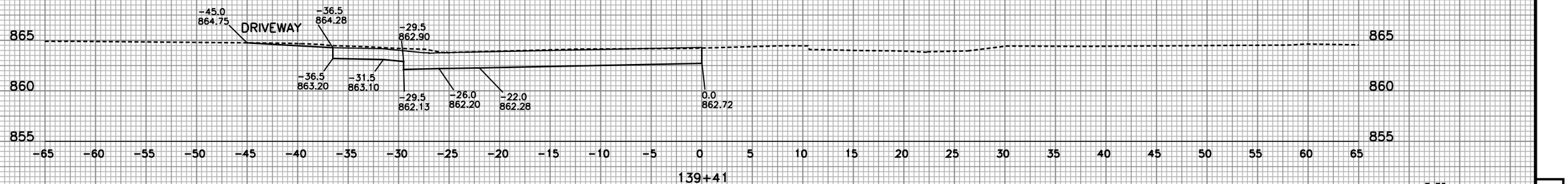
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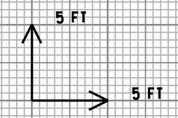
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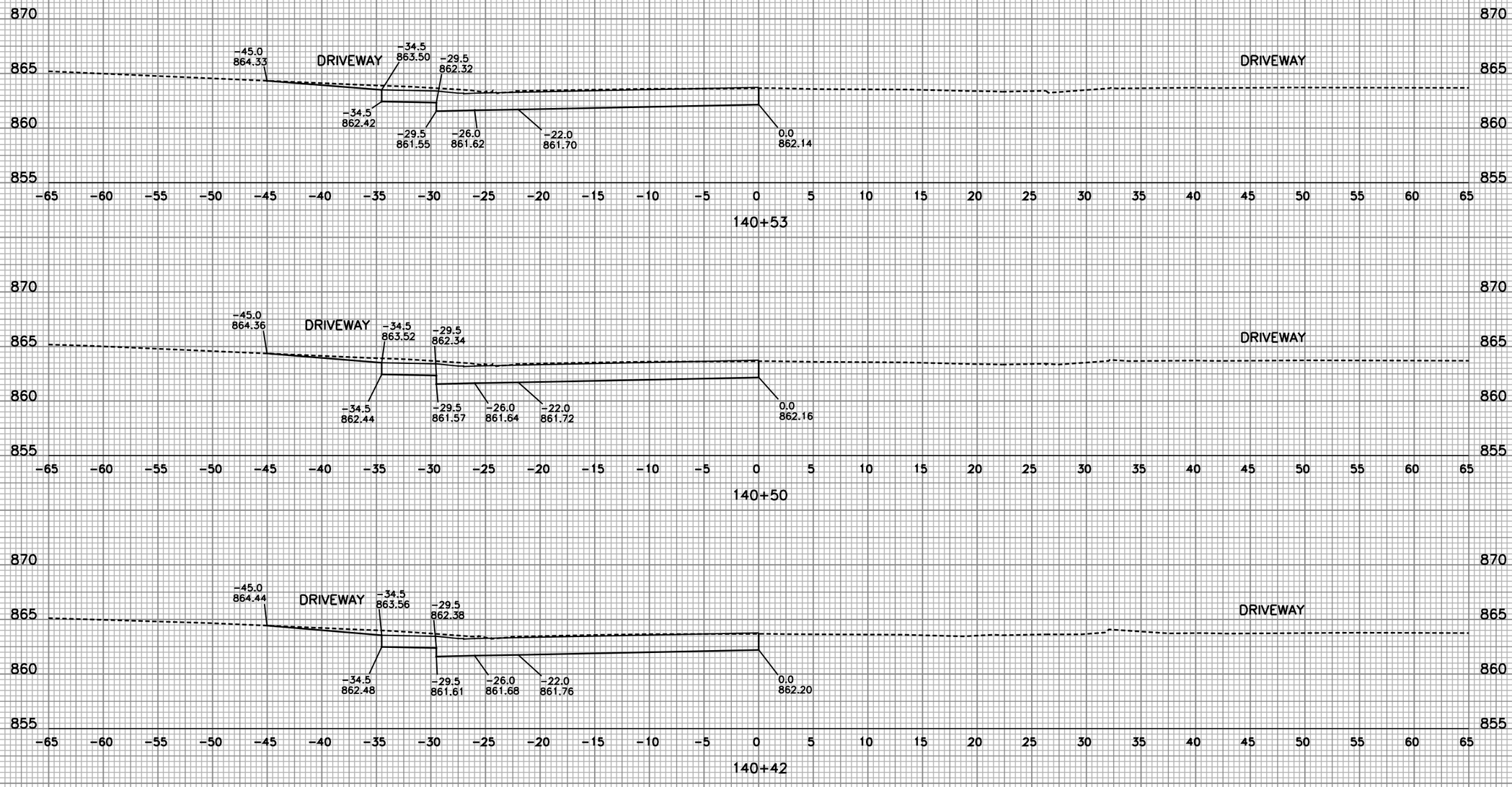
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

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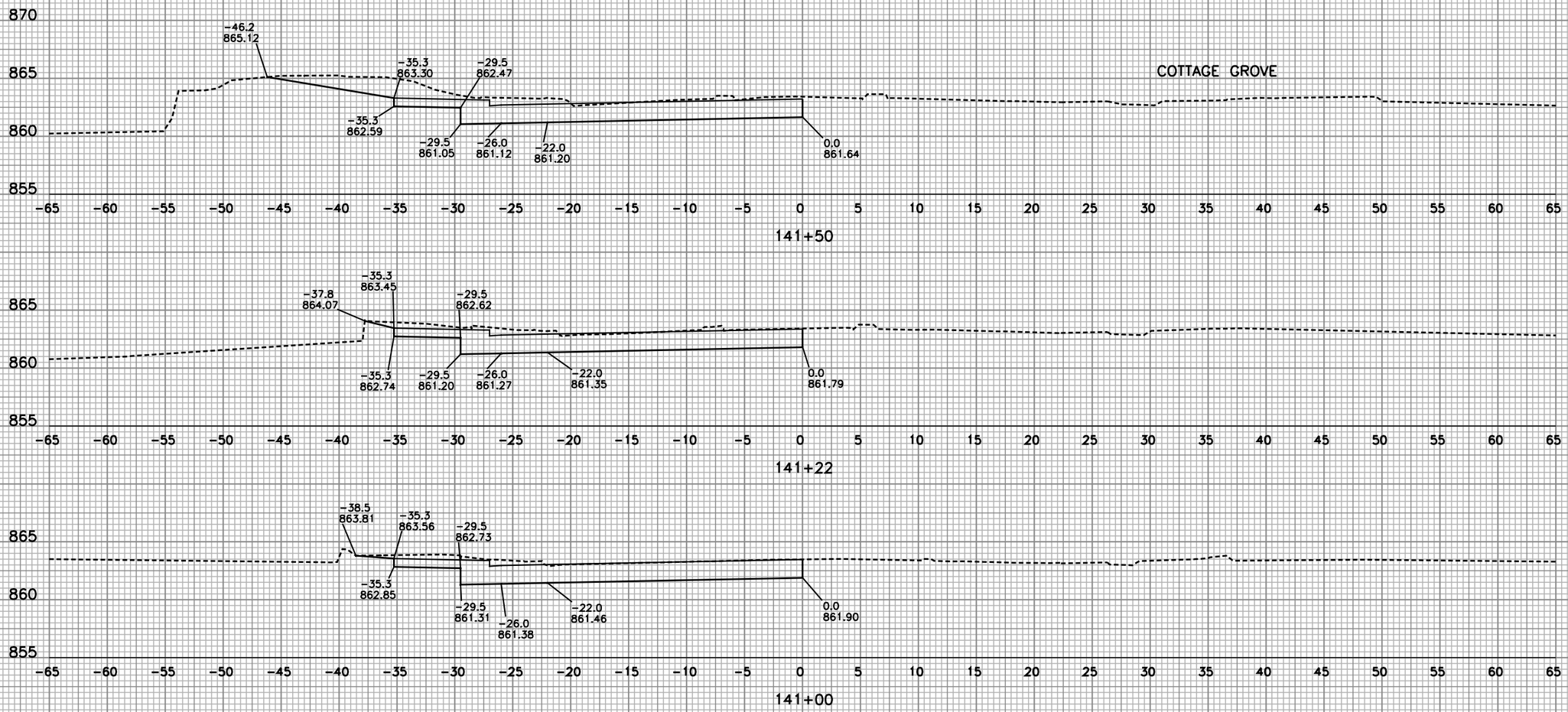
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

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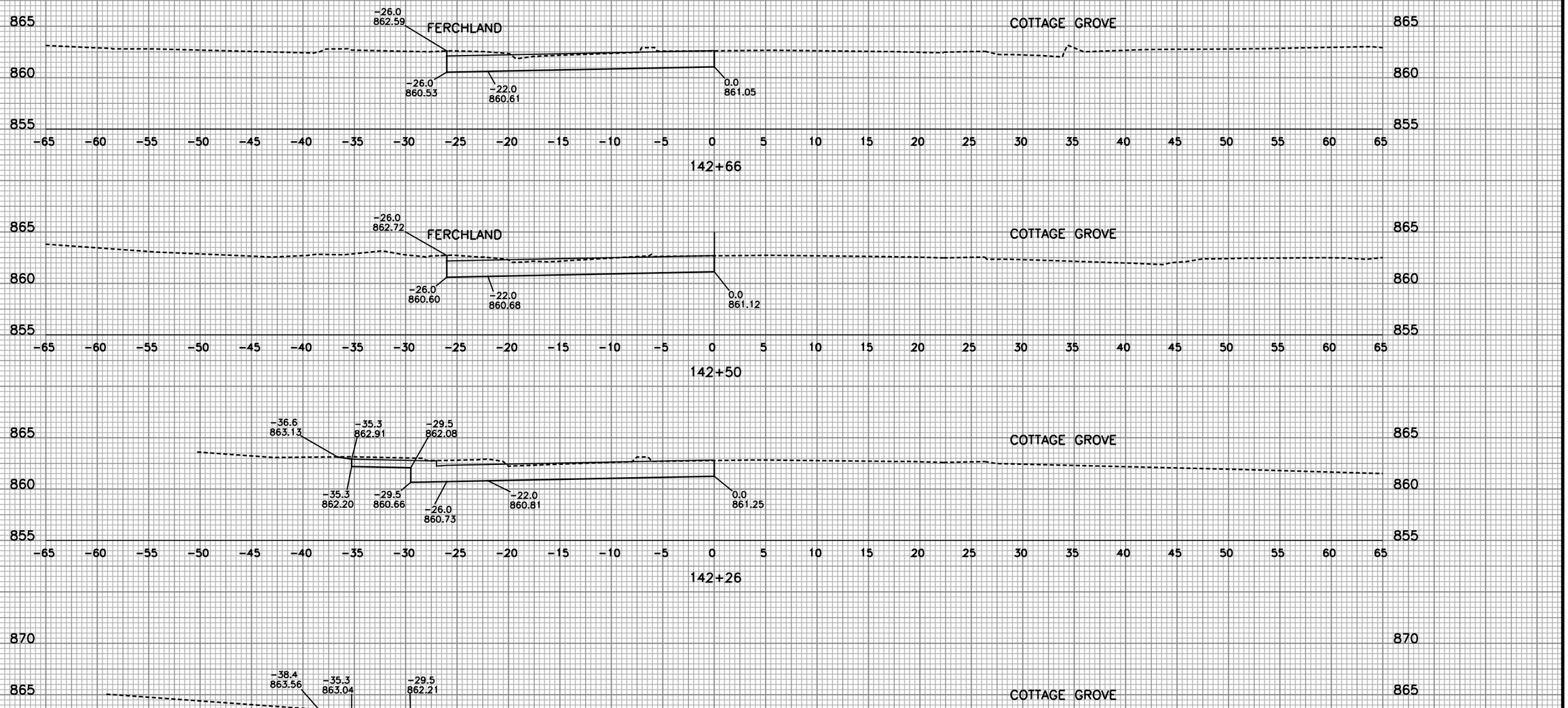
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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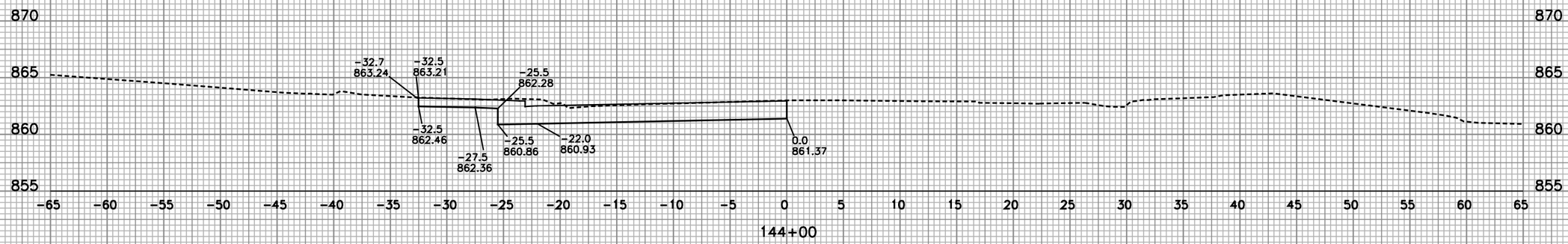
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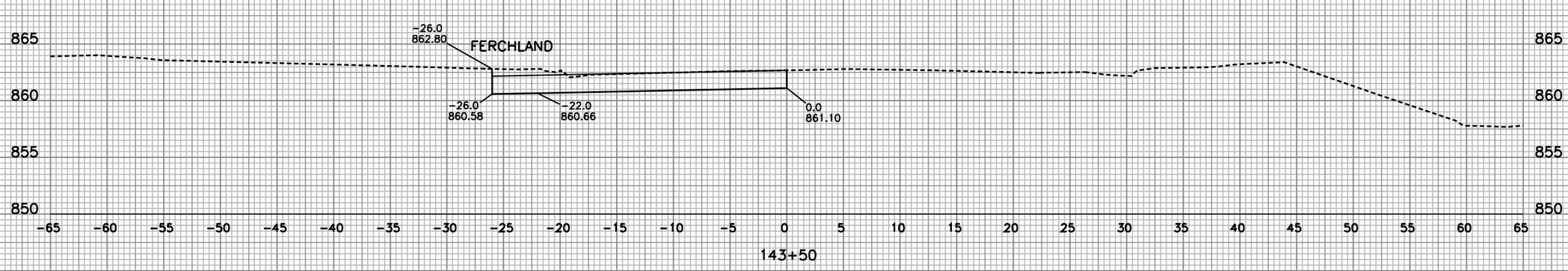


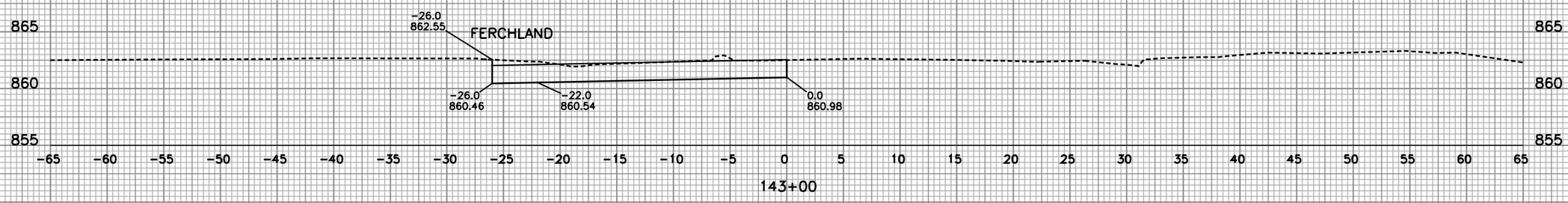
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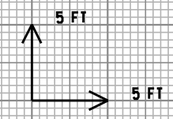
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WISDOT/CADDS SHEET 21









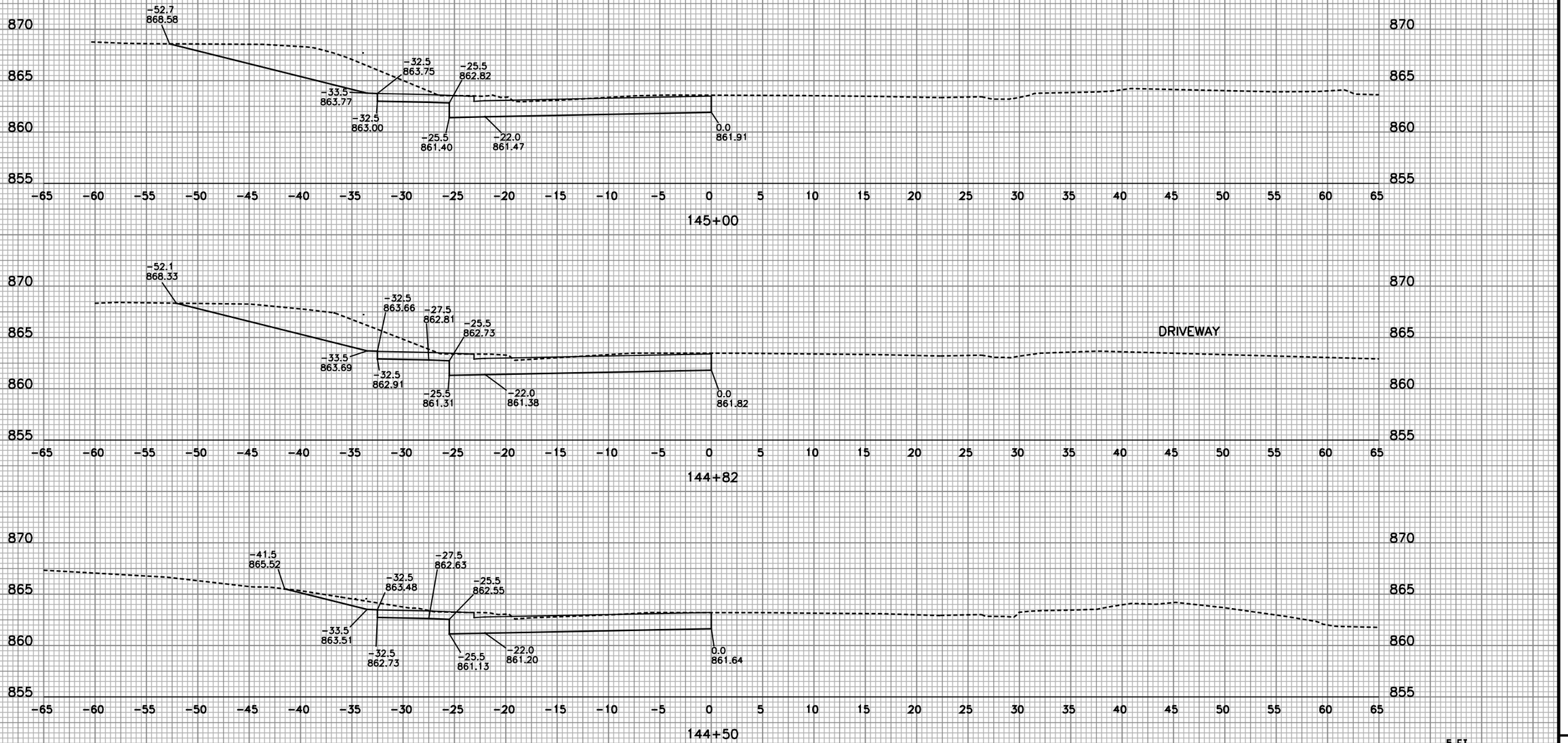
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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WISDOT/CADDS SHEET 21



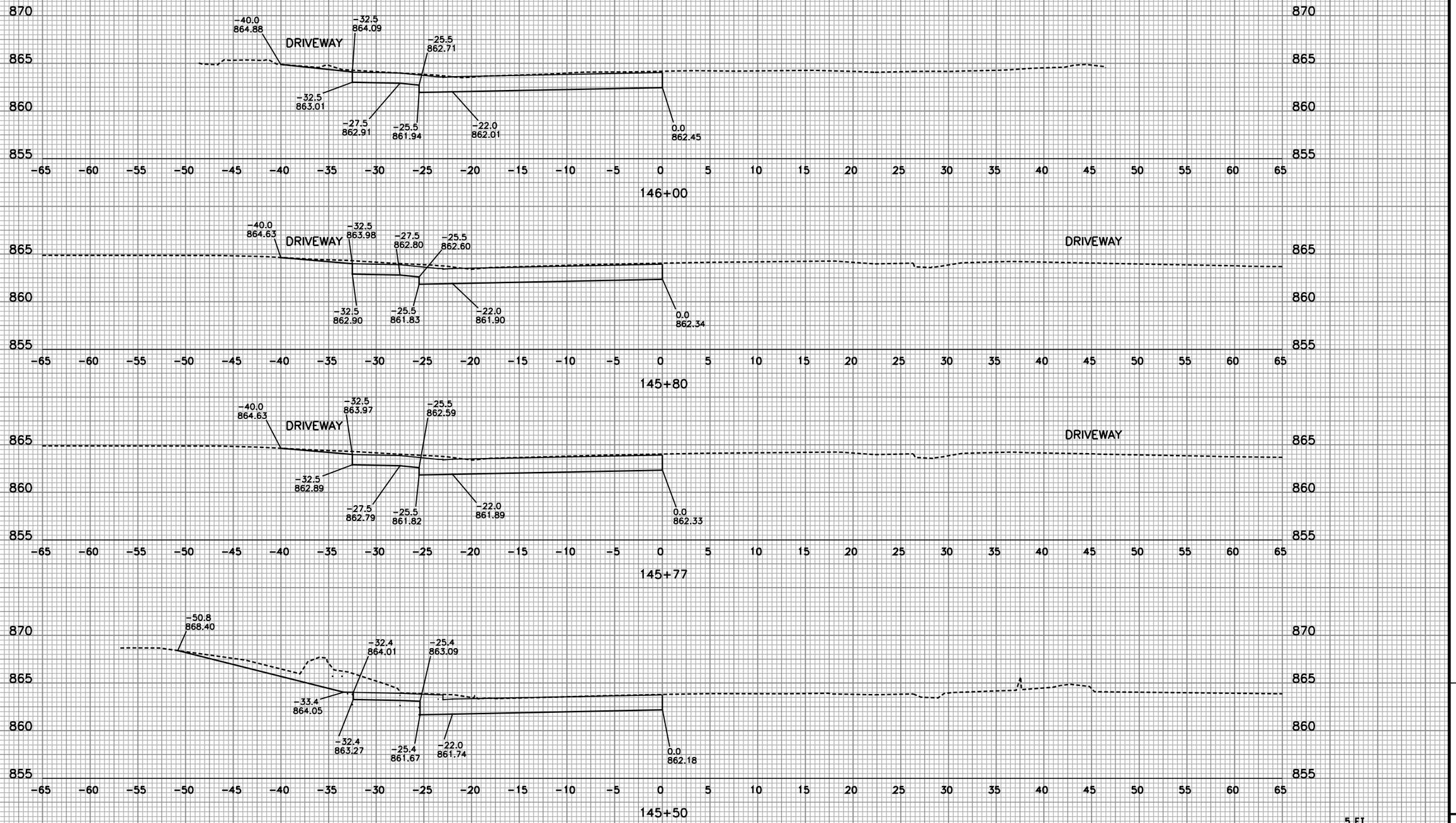
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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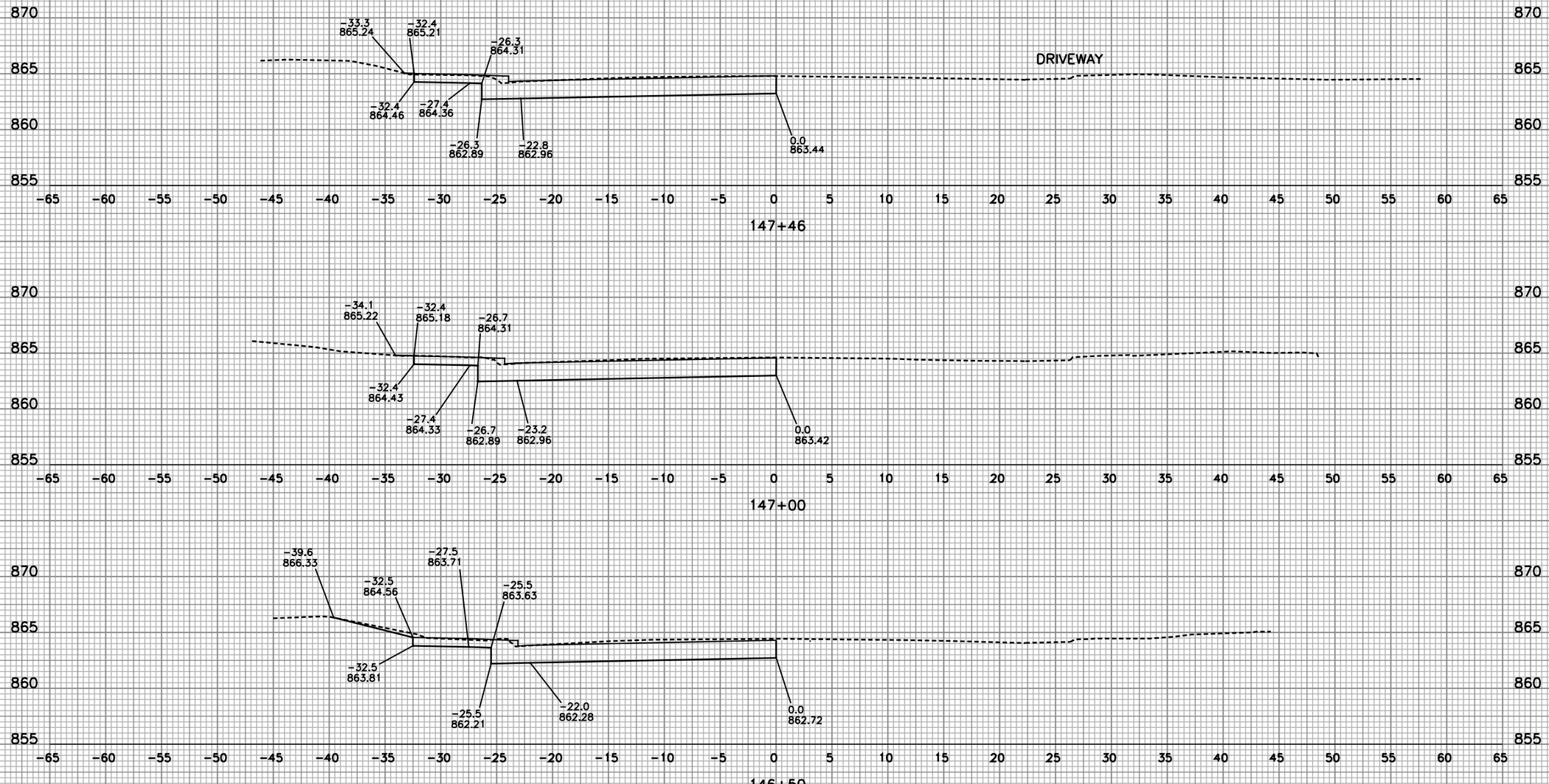


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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET	E

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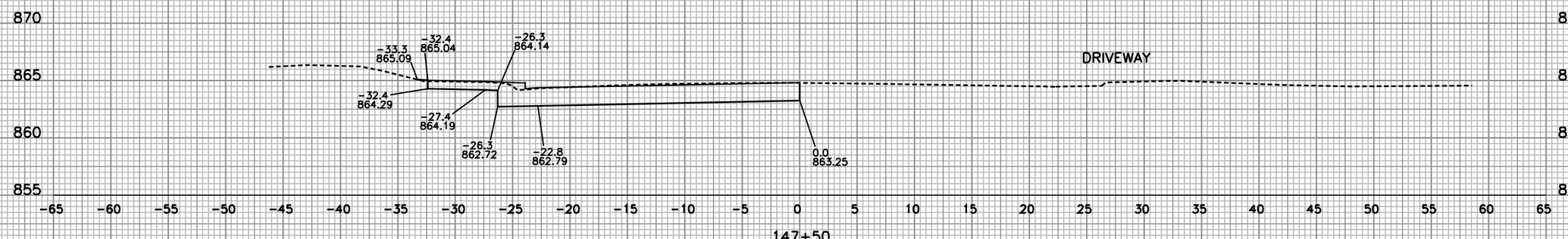
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FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



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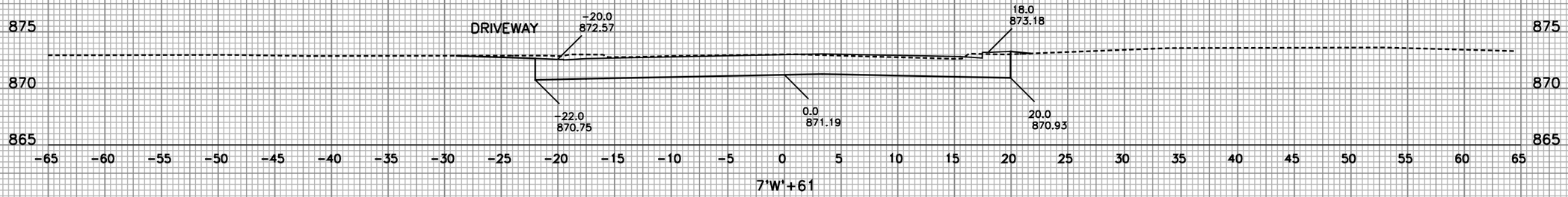
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: MONONA DRIVE	SHEET E

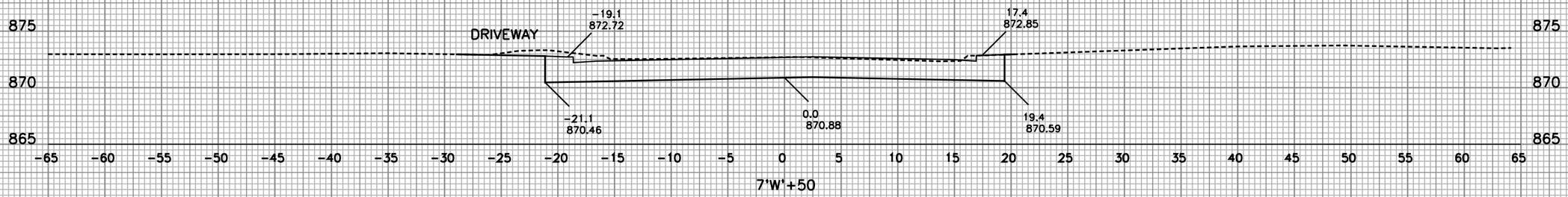
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WISDOT/CADDS SHEET 21

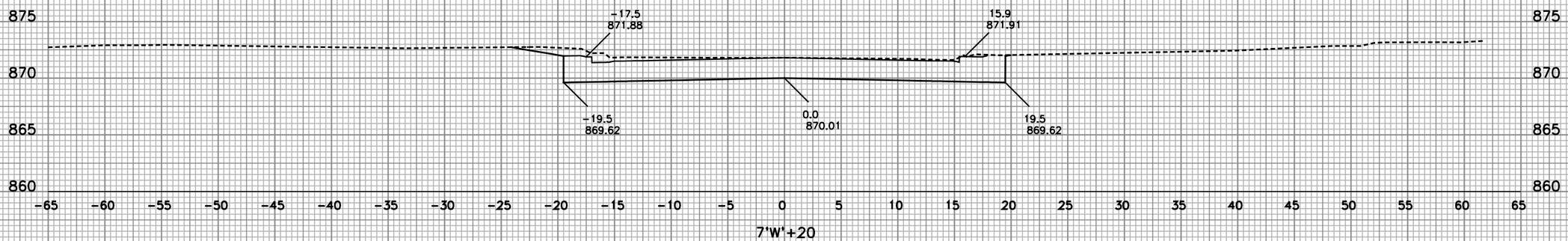
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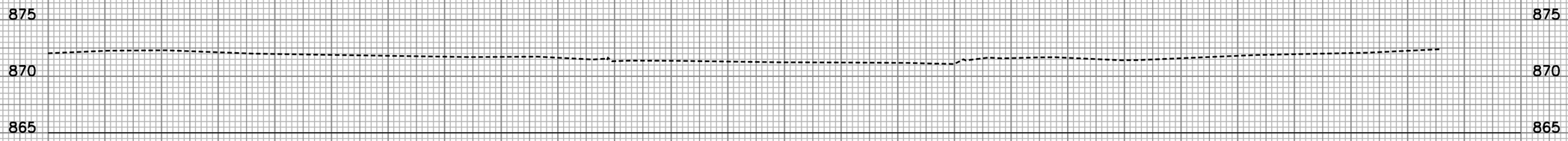
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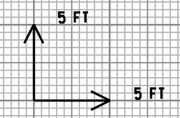
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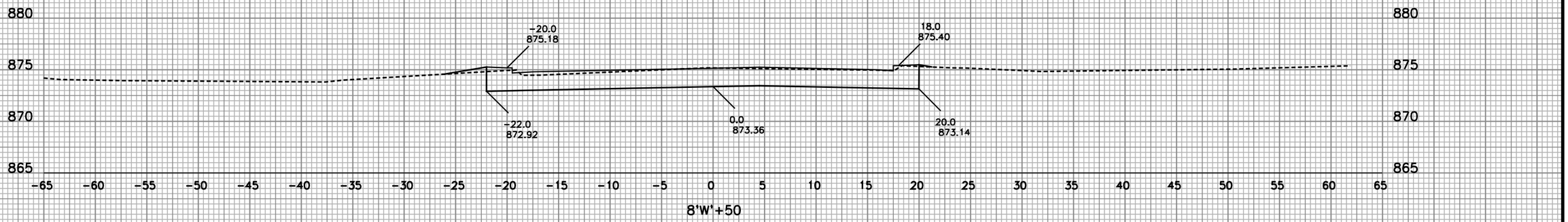
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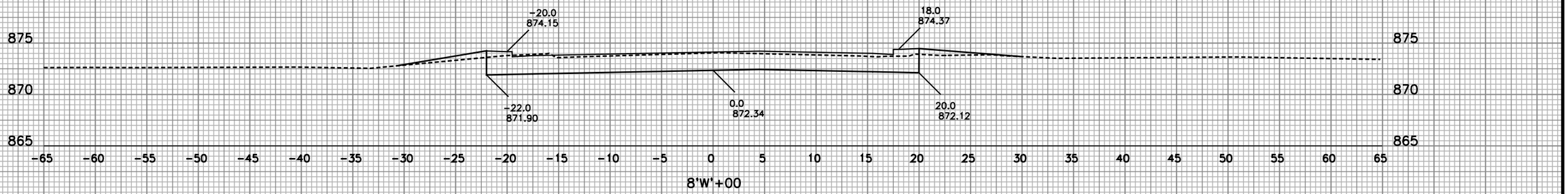
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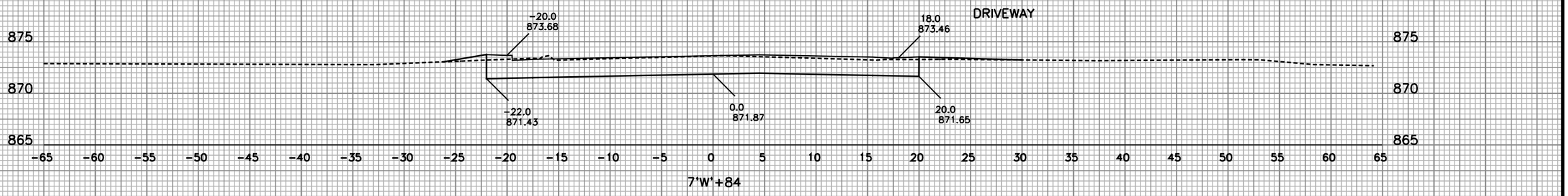
WISDOT/CADDS SHEET 21



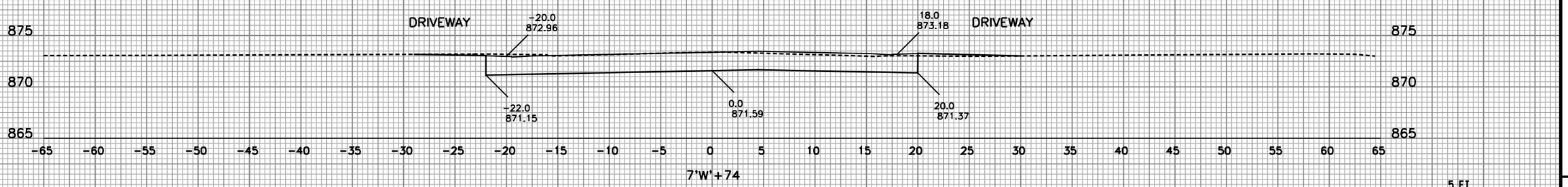
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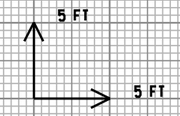
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7'W'+84



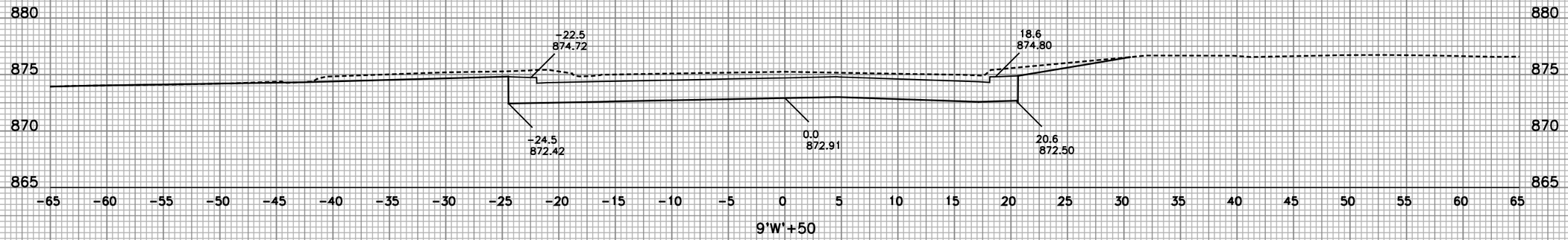
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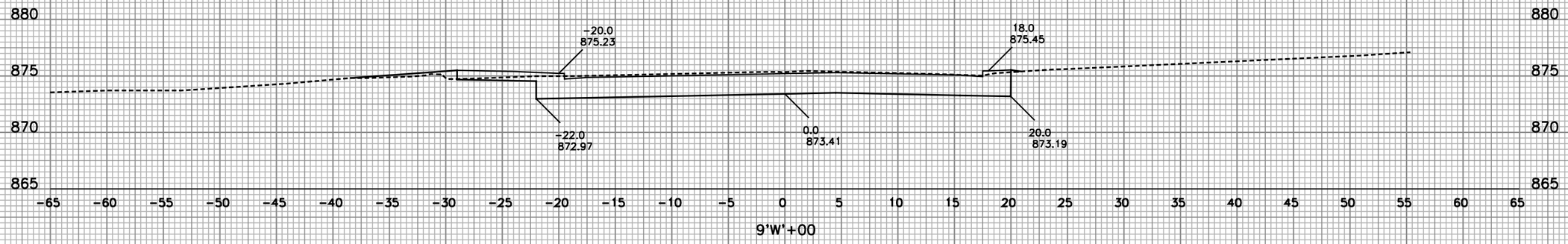


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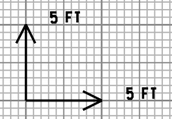
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: WINNEQUAH STREET	SHEET	E









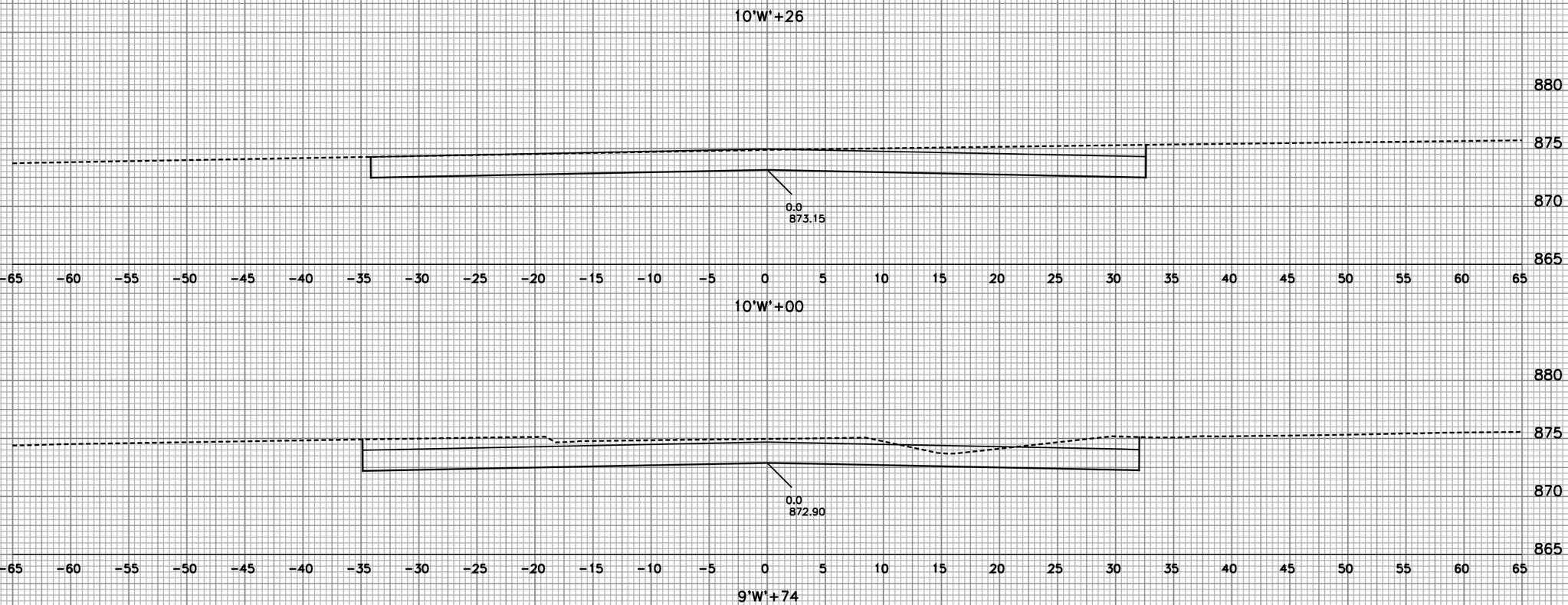
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: WINNEQUAH STREET	SHEET	E

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WISDOT/CADDS SHEET 21



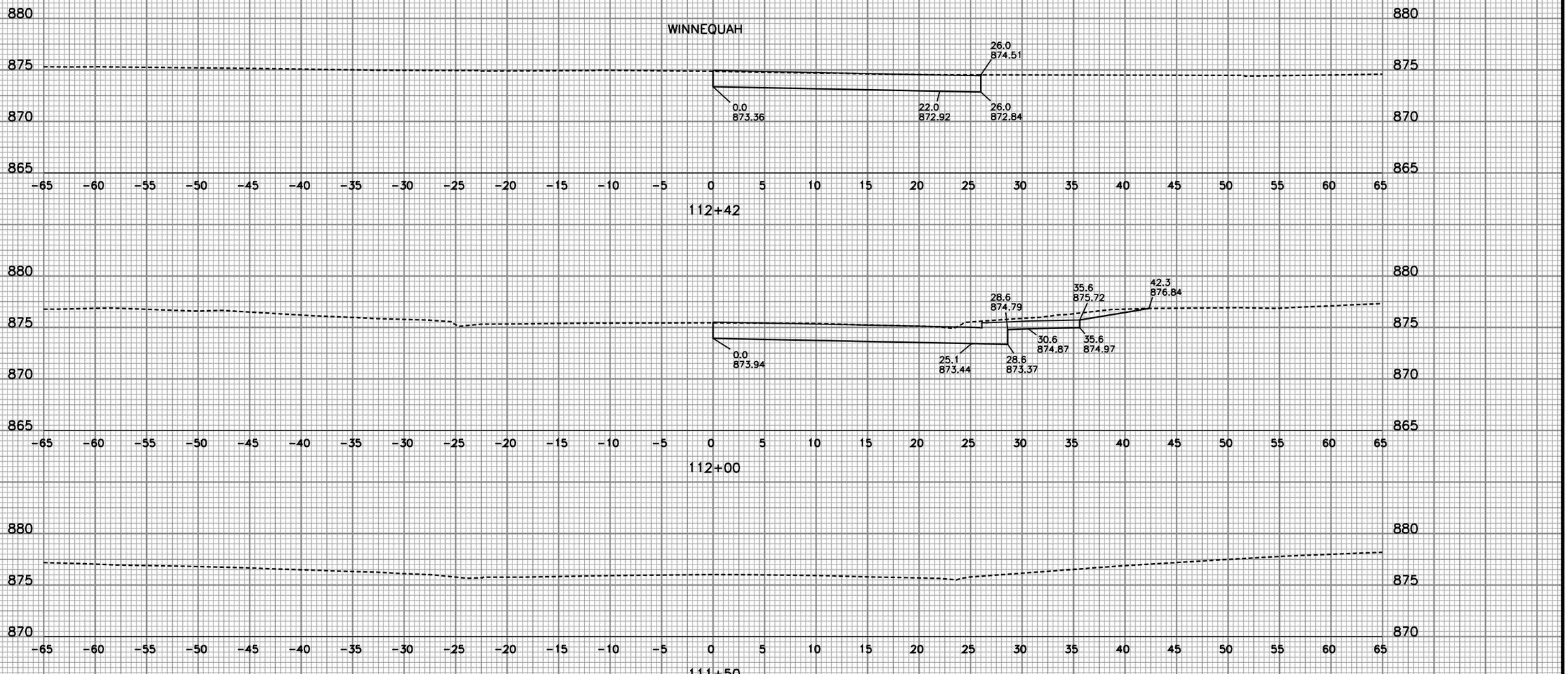
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 2: WINNEQUAH STREET	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

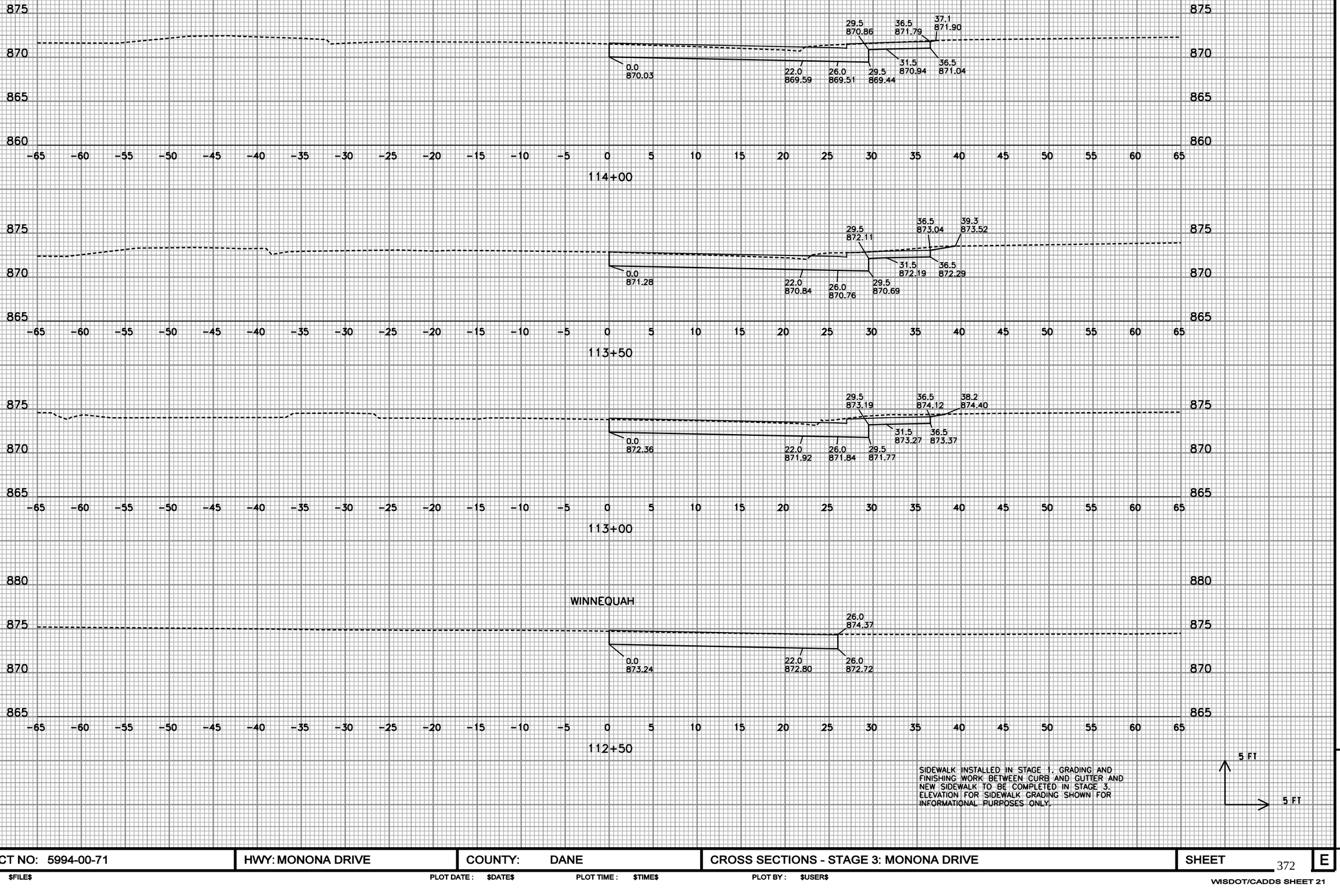
SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.



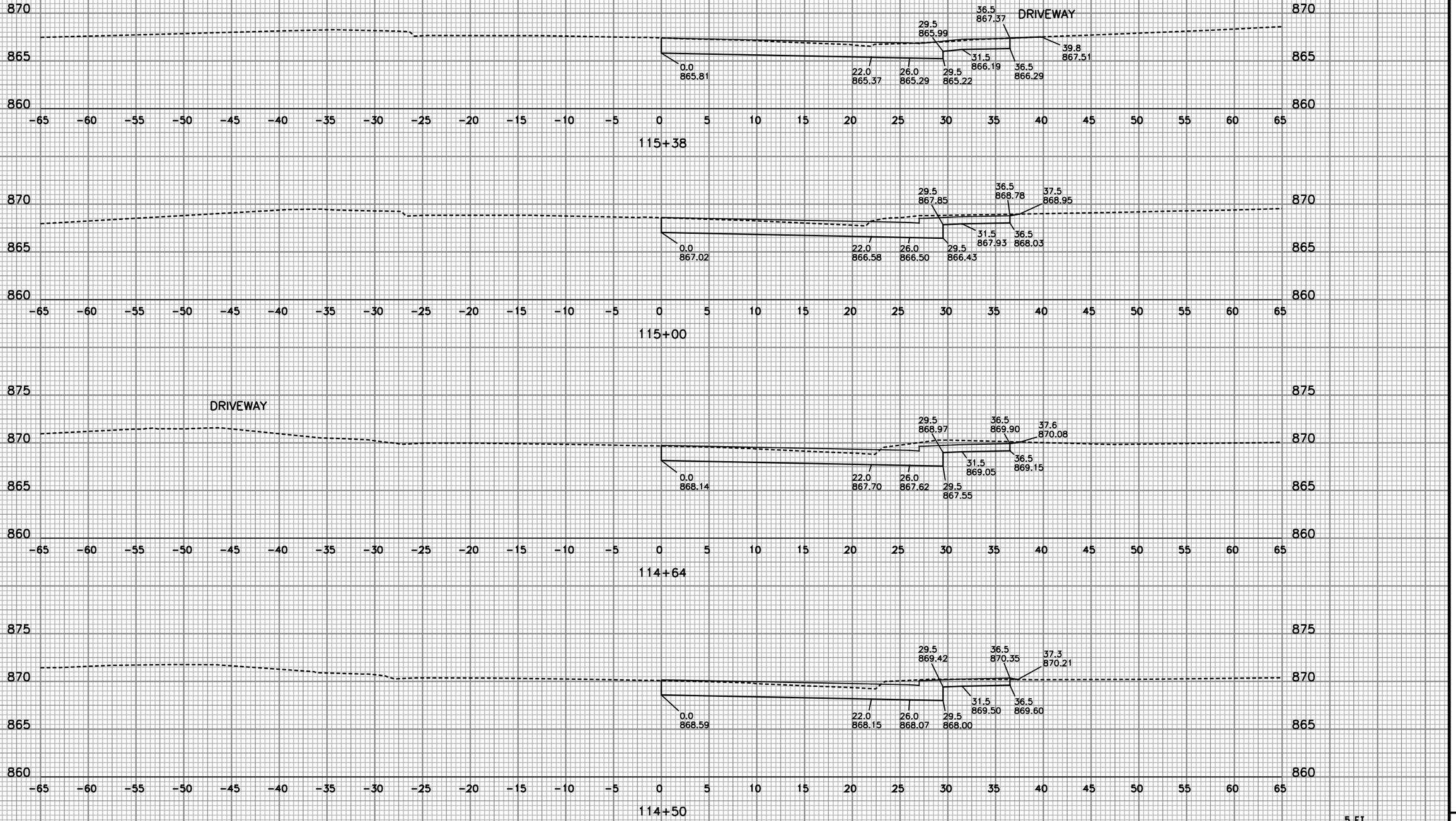
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E



9

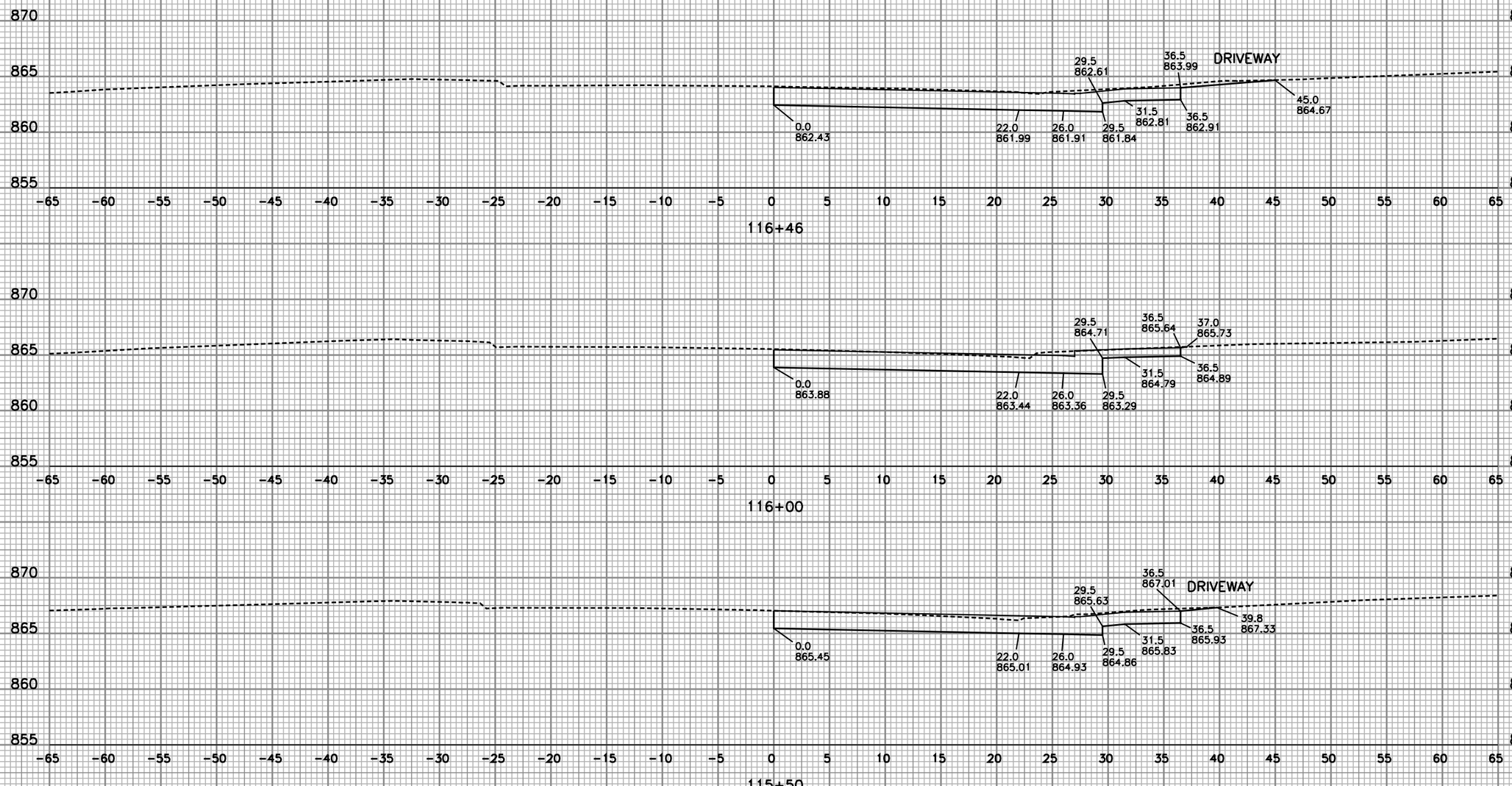
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

3

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

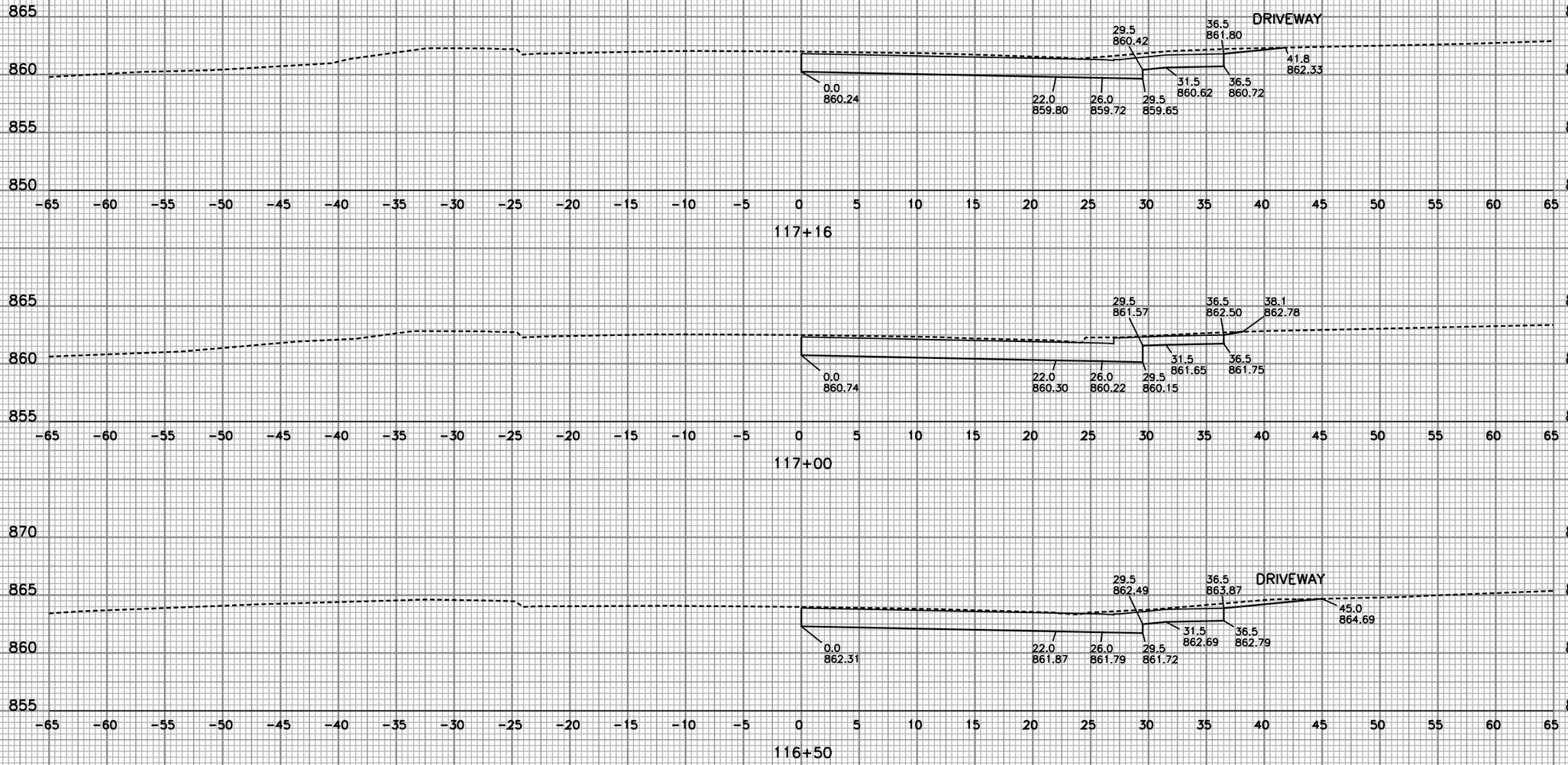
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

4



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

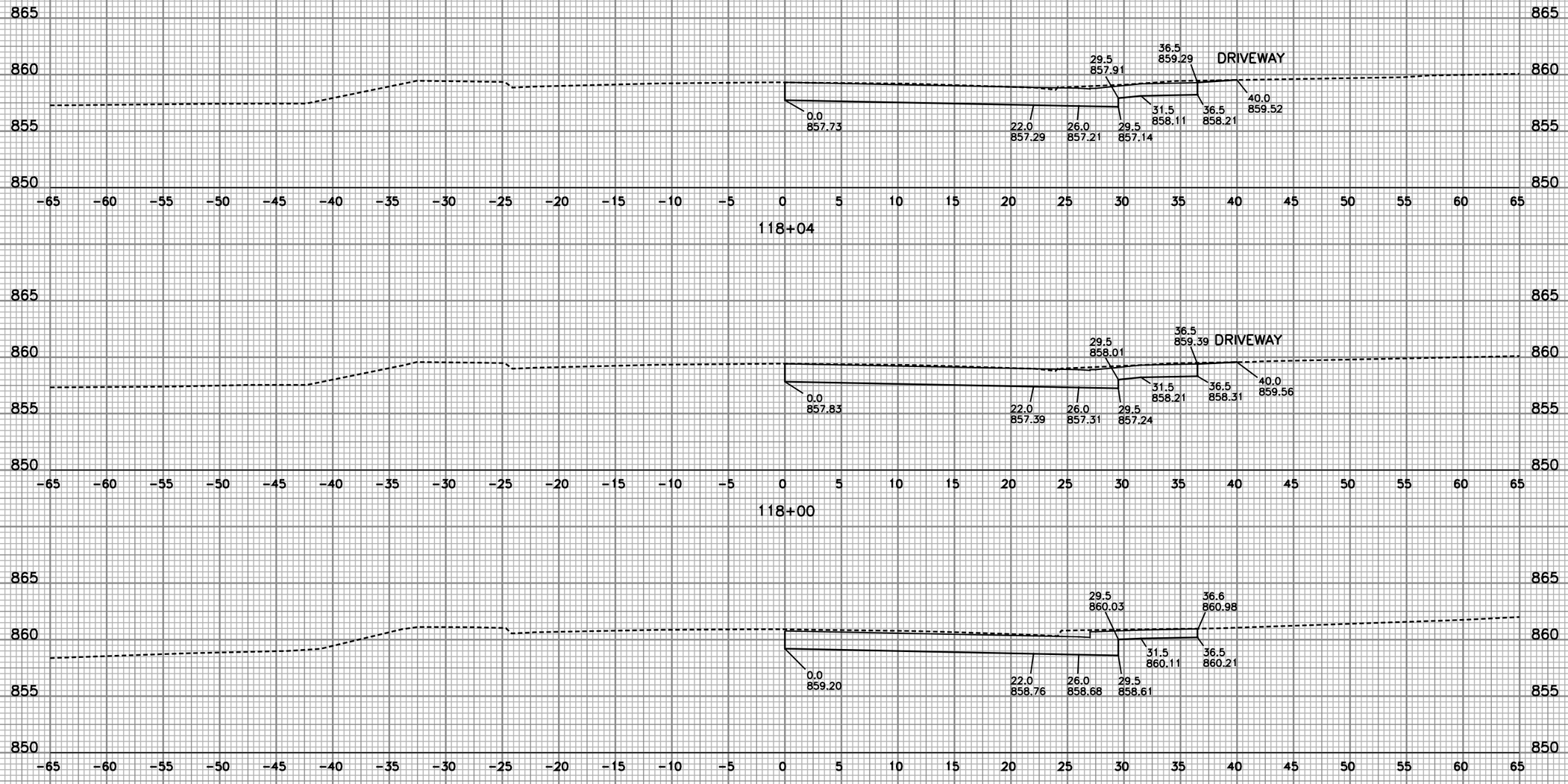
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

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5

WISDOT/CADDS SHEET 21



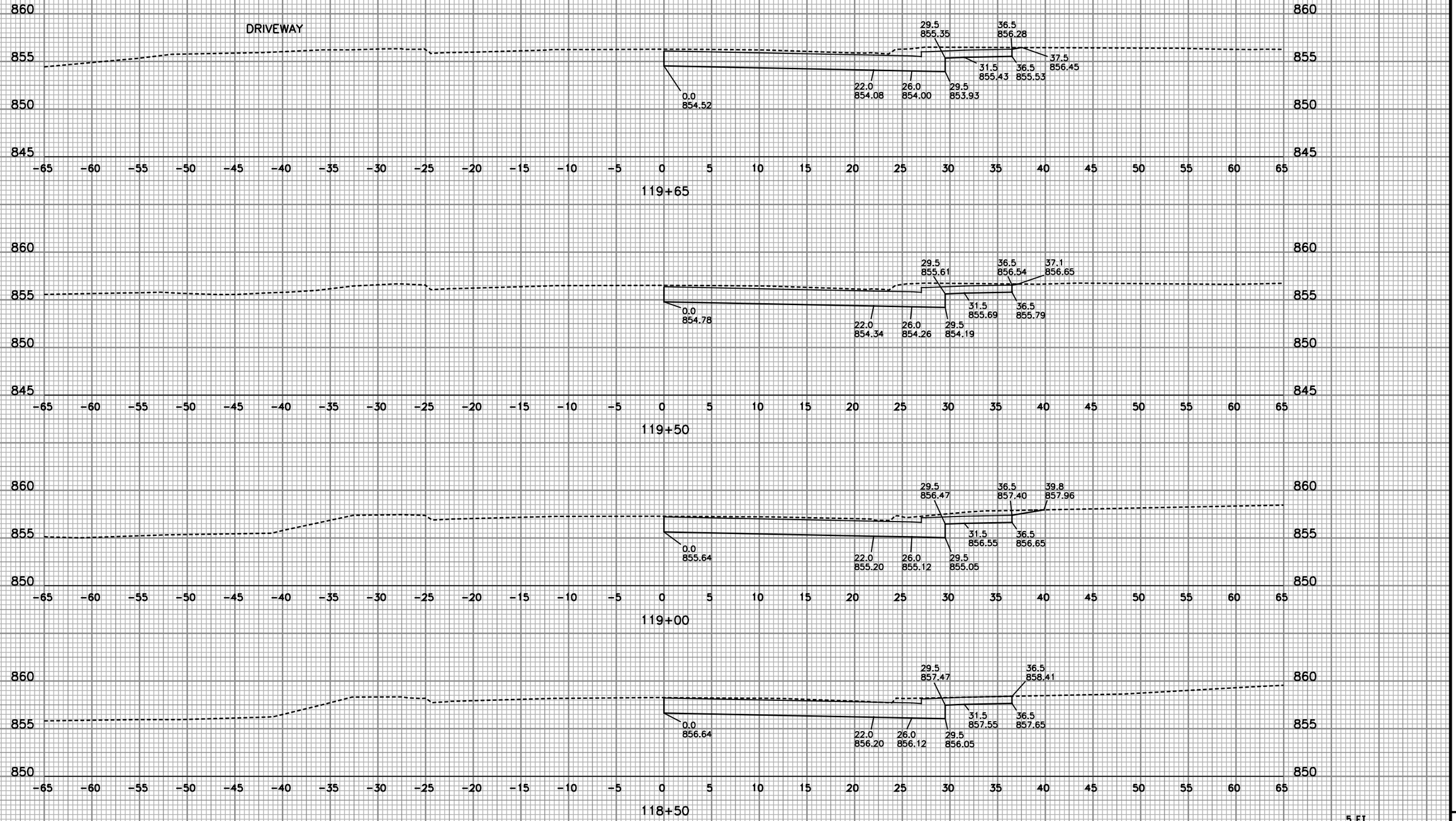
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

6



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

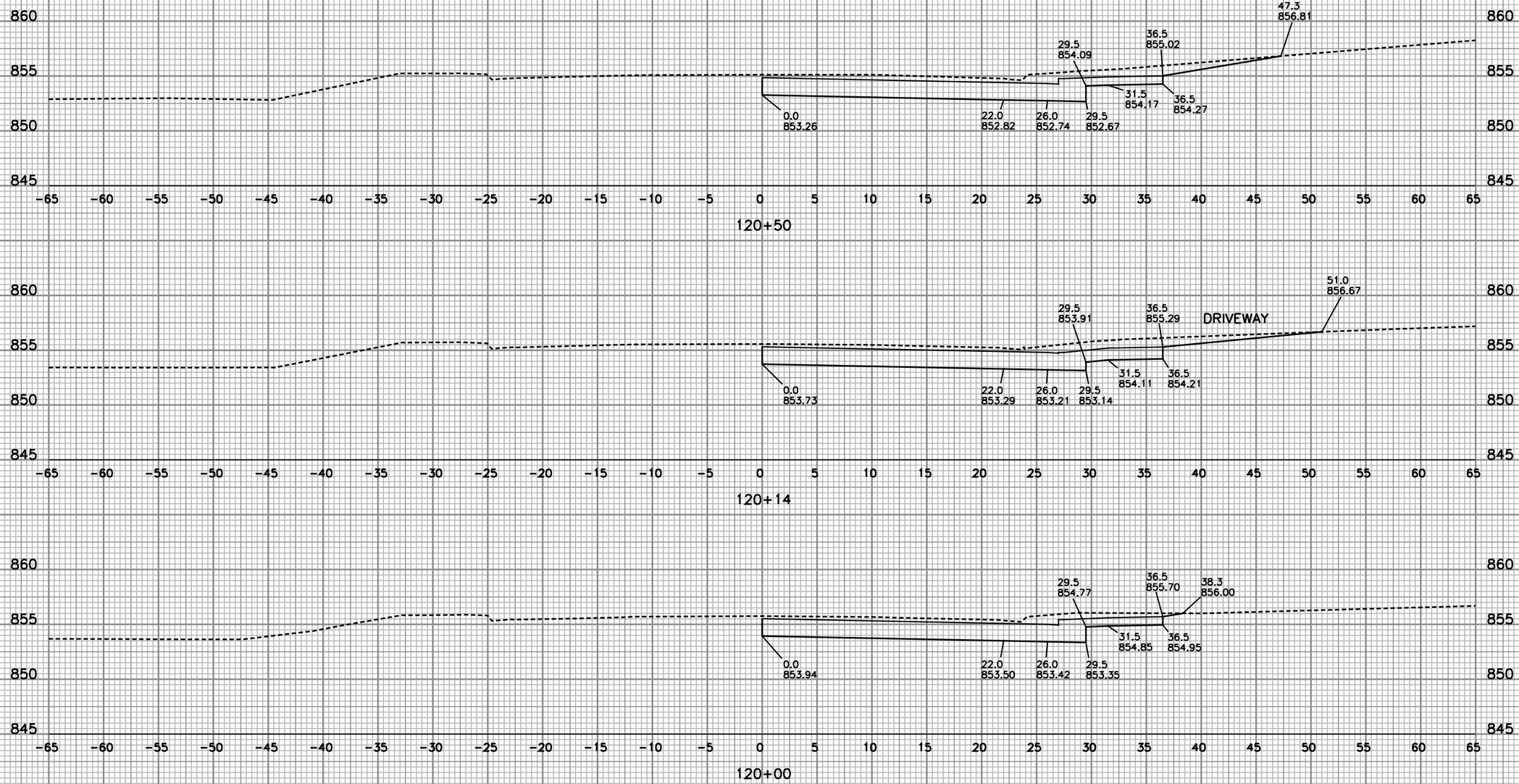
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

7



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

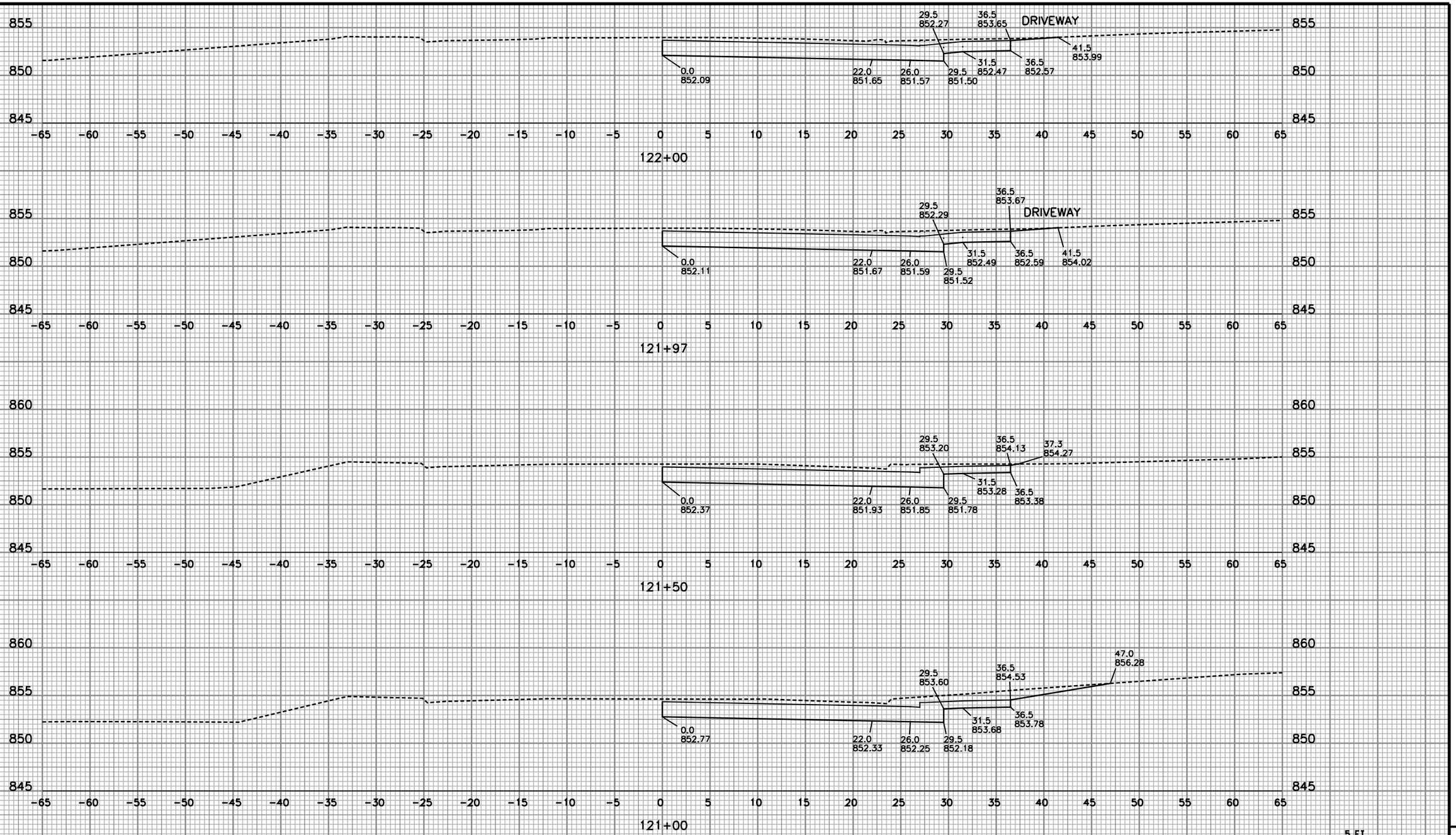
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

8

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

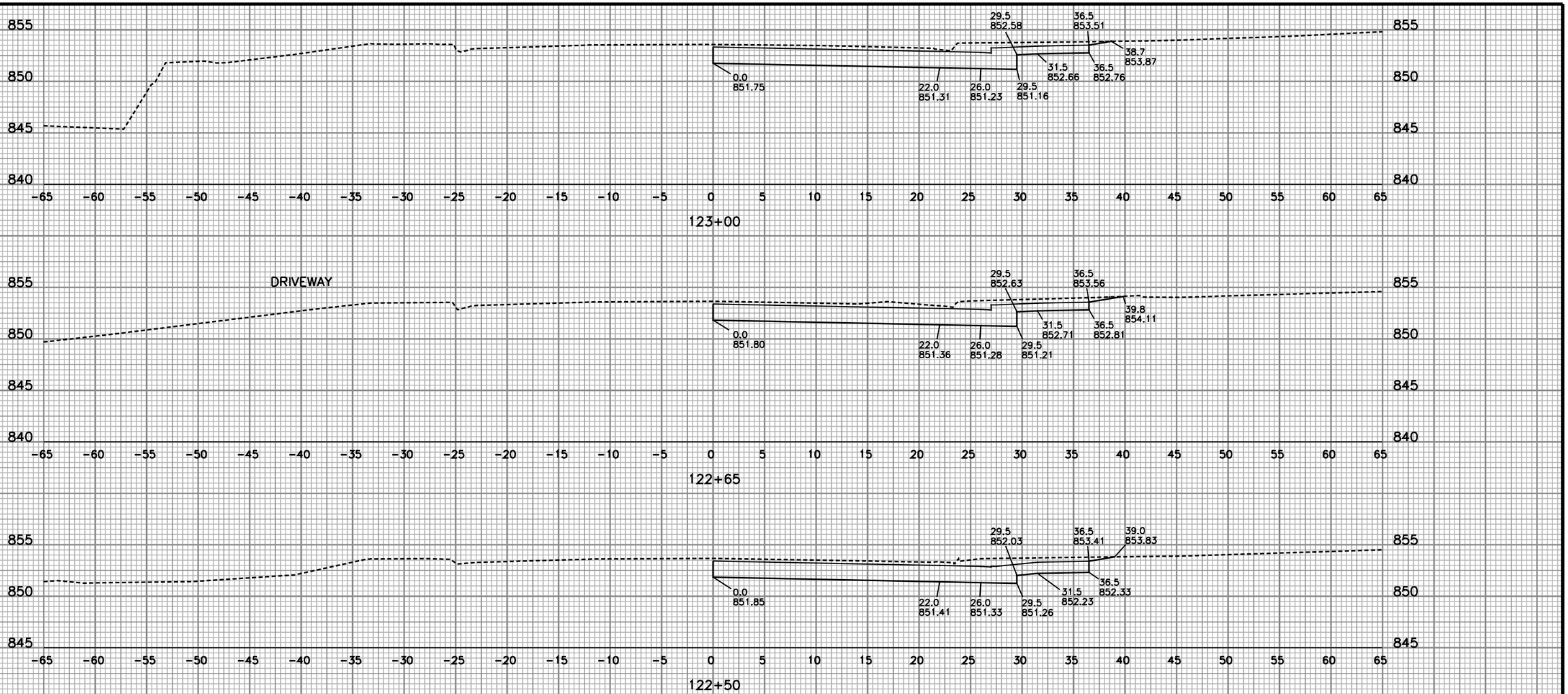
5 FT
5 FT

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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

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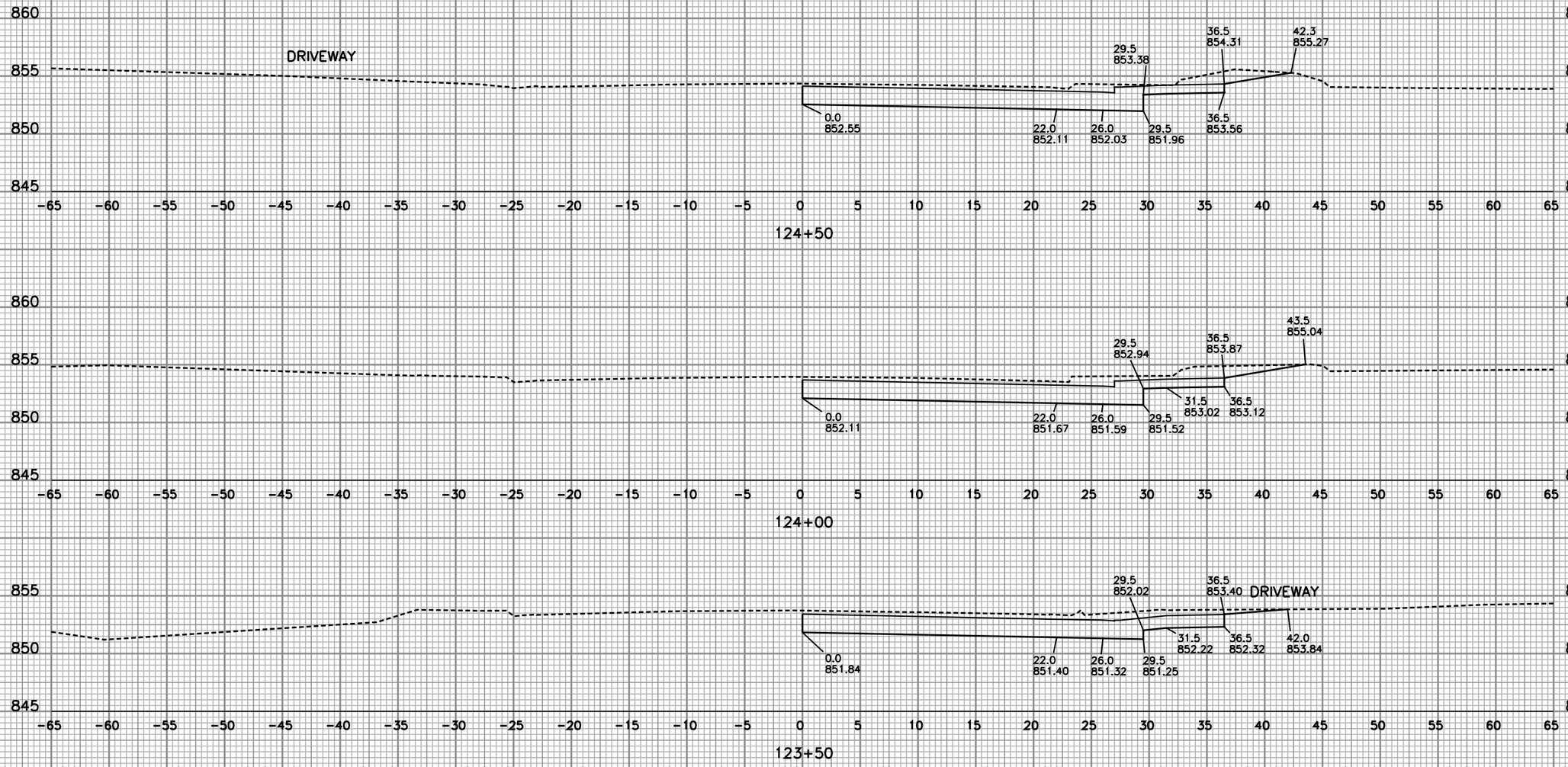
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

10



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

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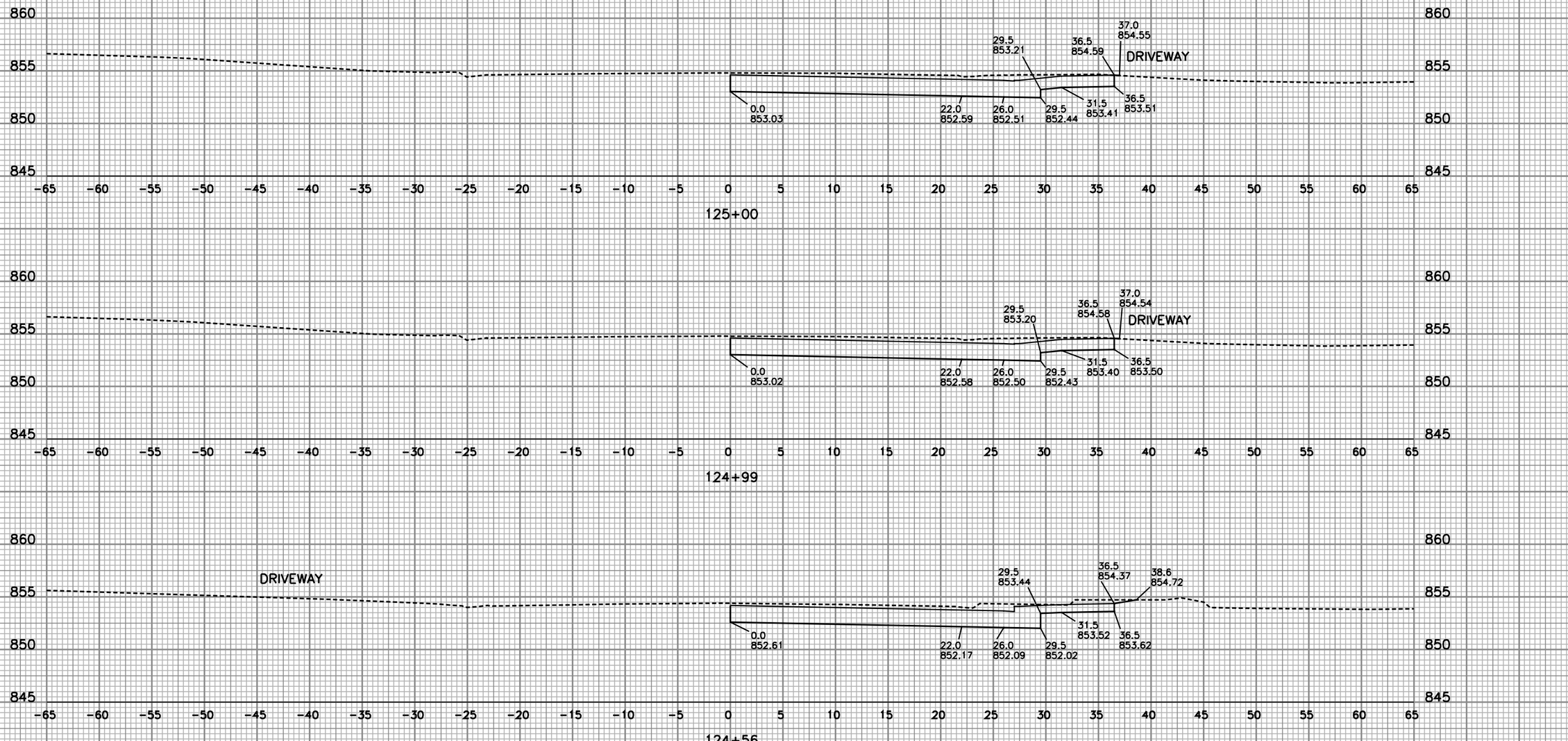
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

11



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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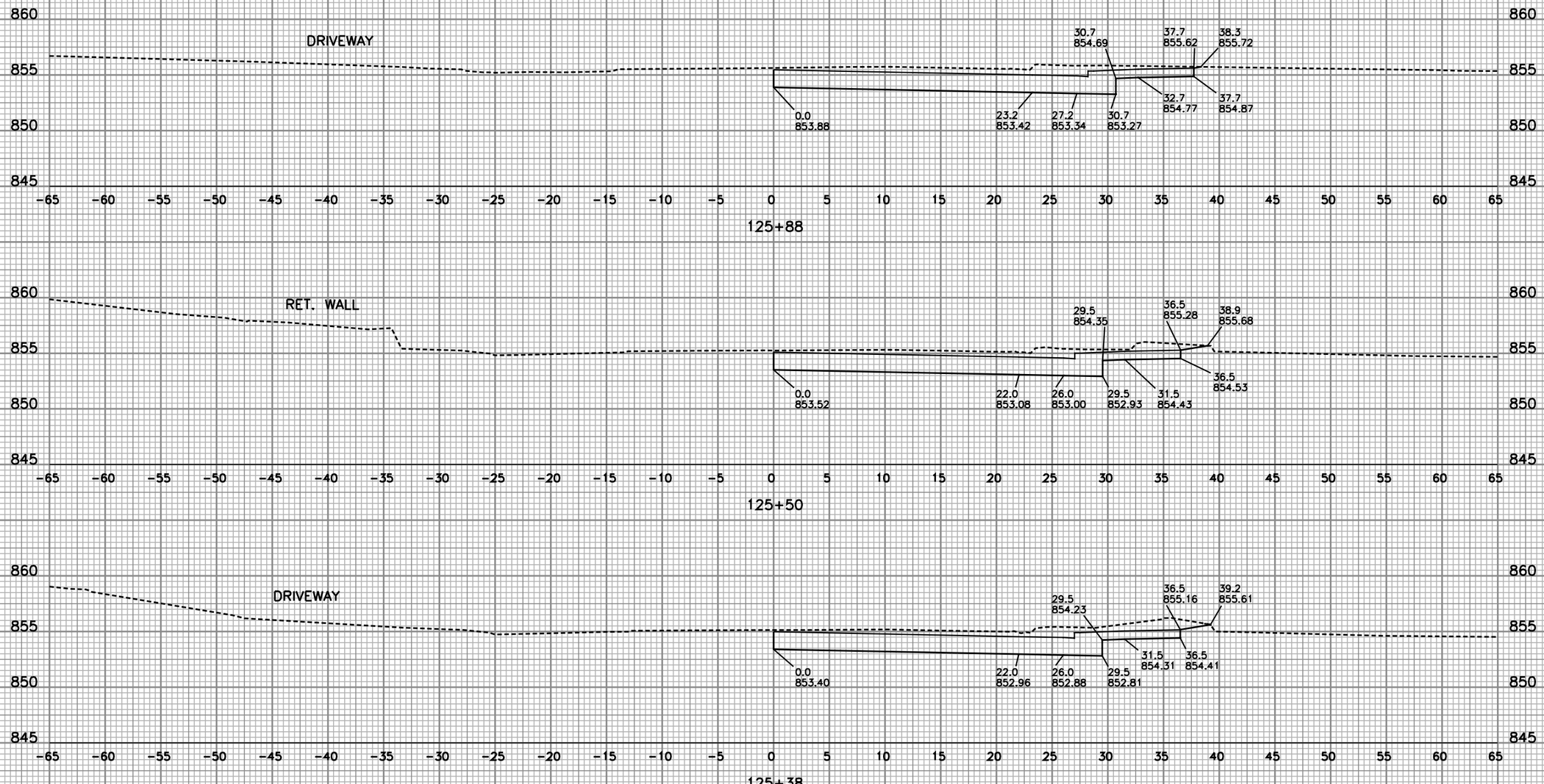
5 FT

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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

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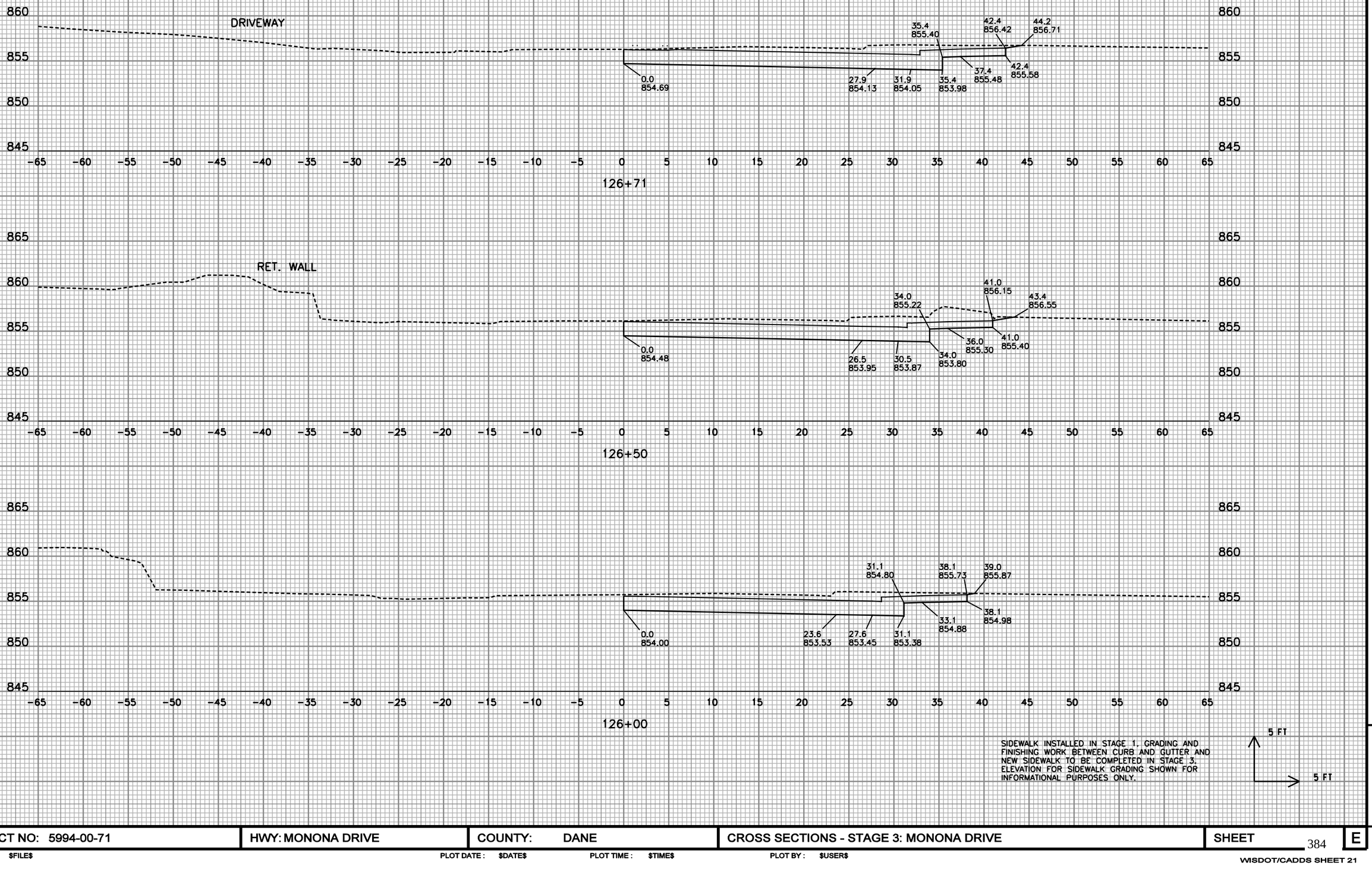


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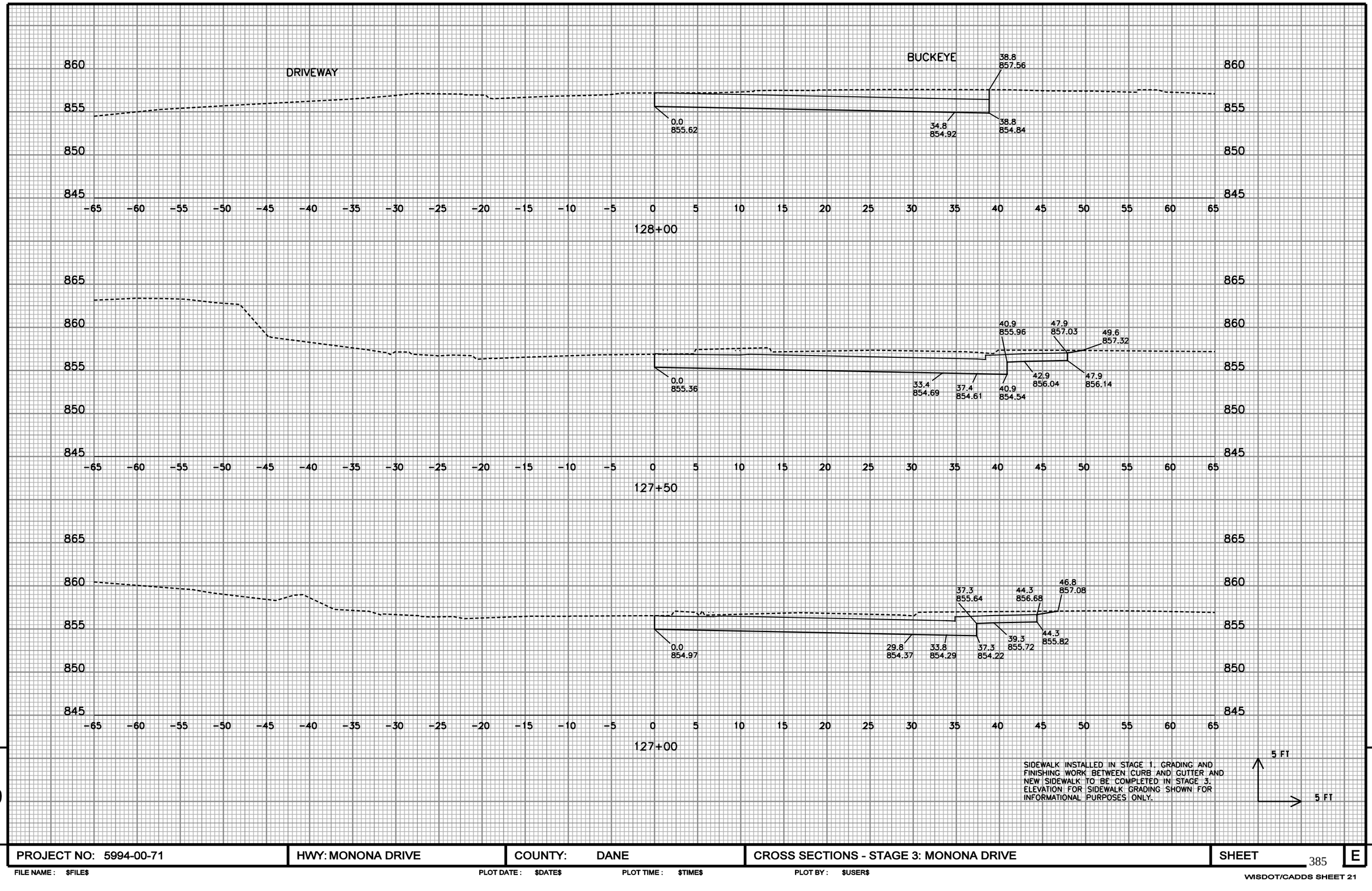
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

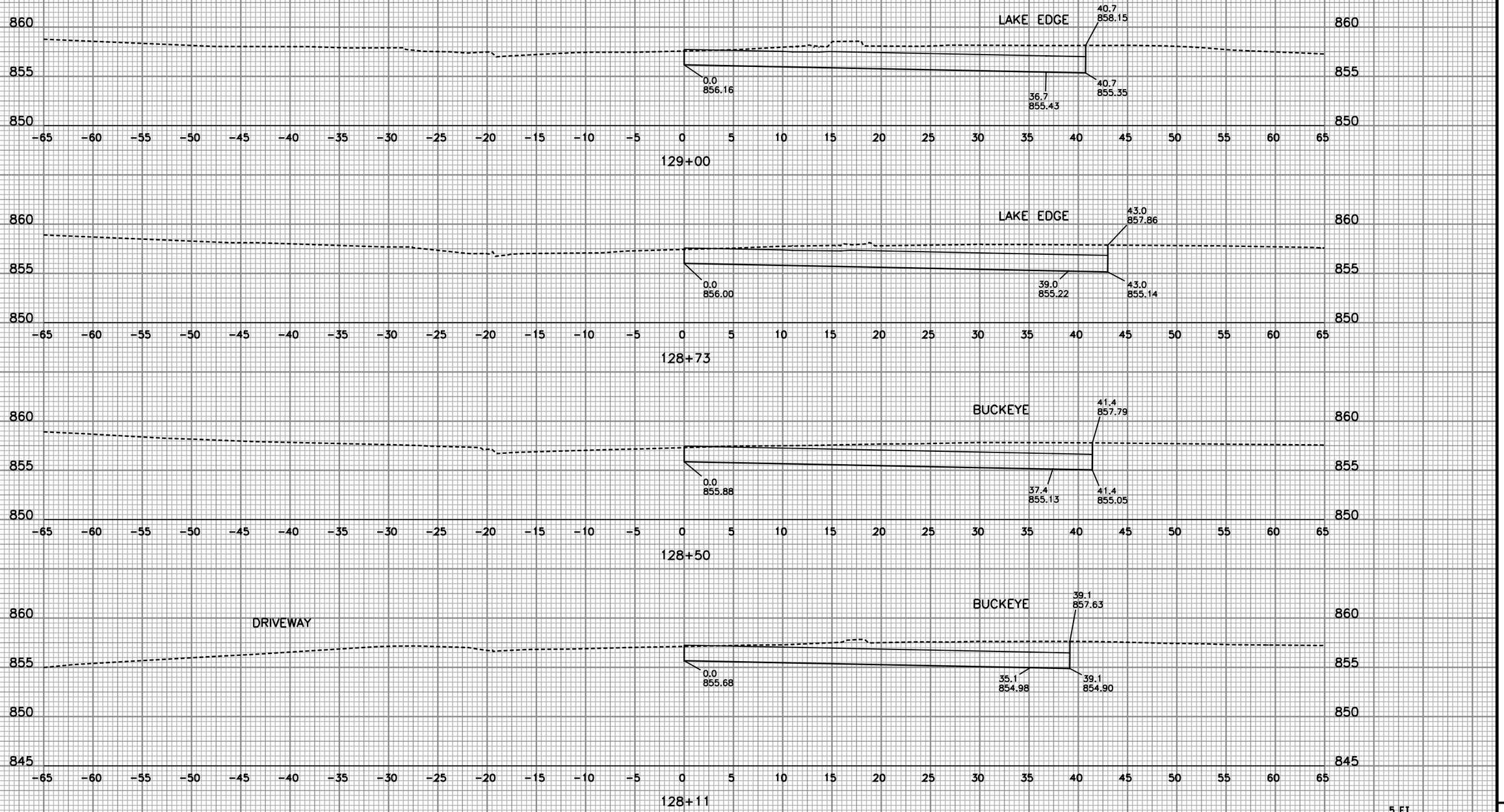
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

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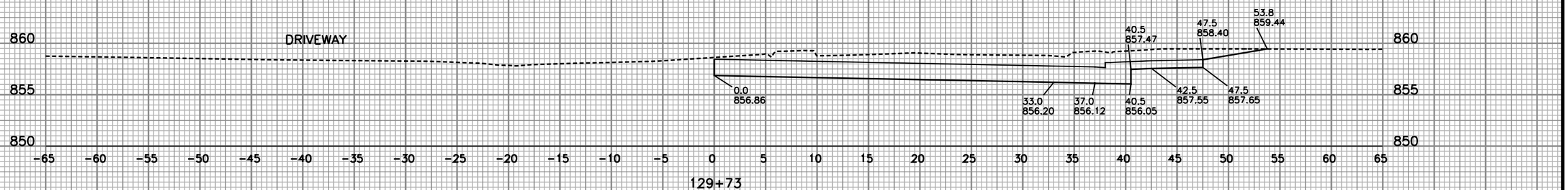
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



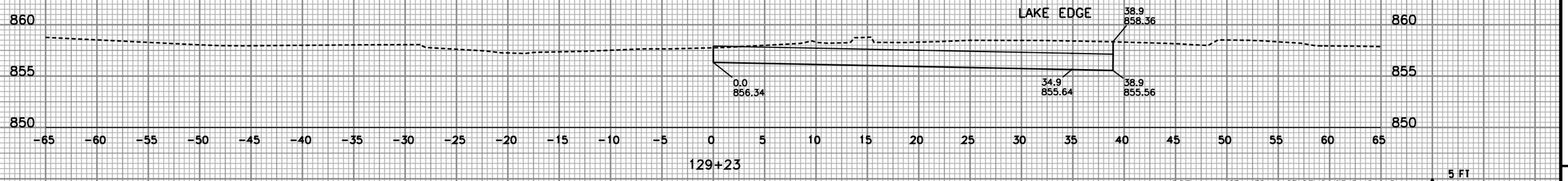
129+98



129+73



129+50



129+23

SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

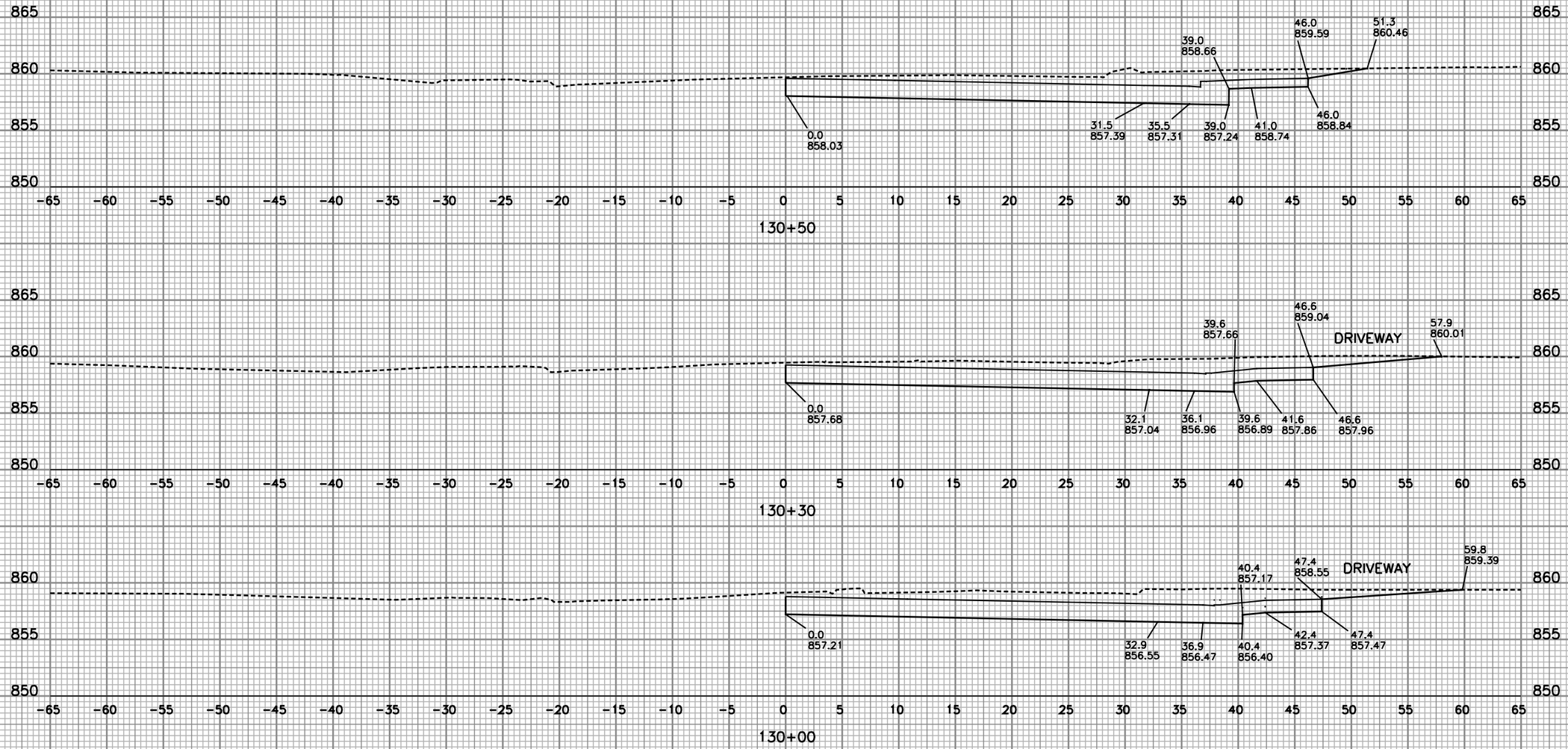
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



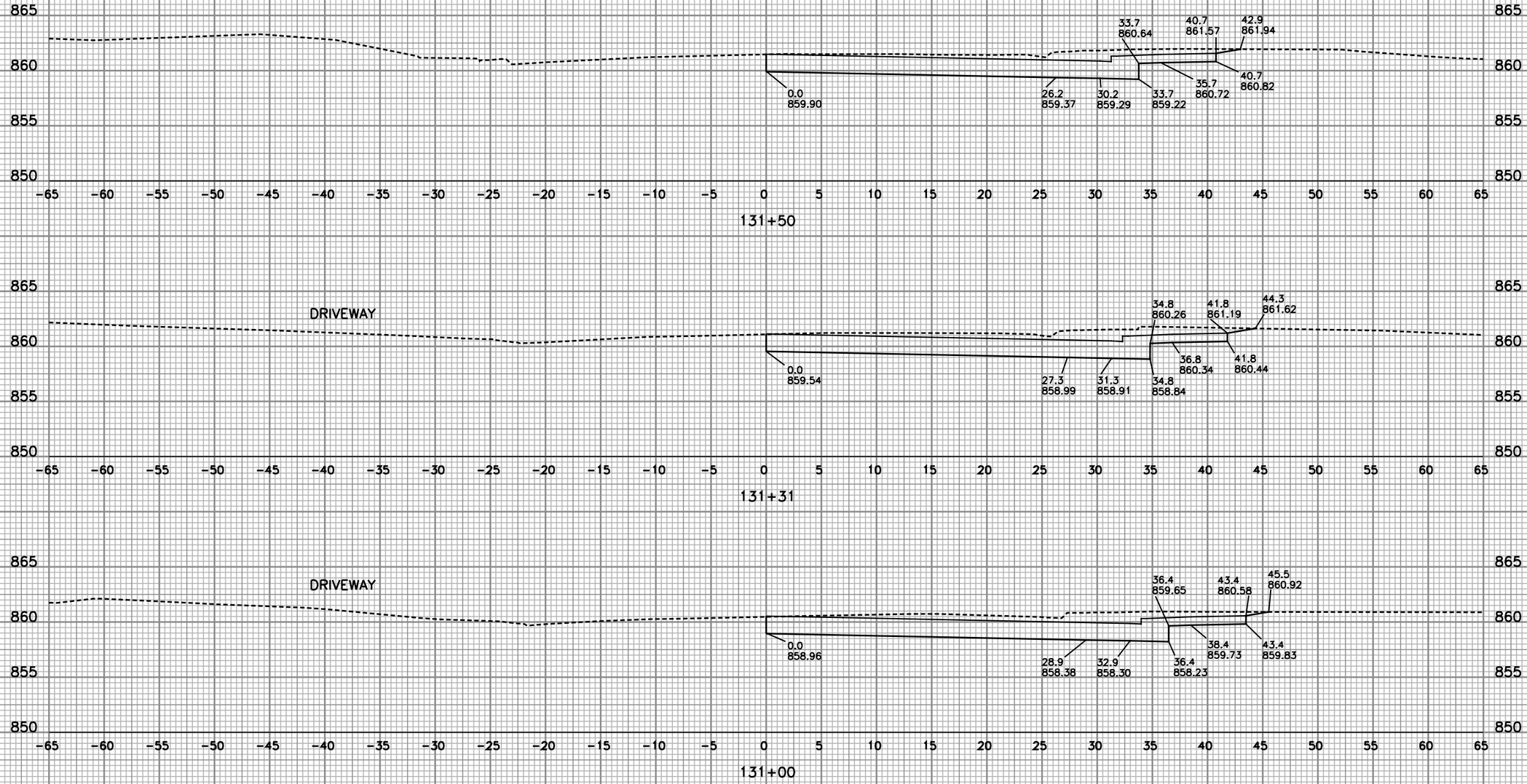
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

18

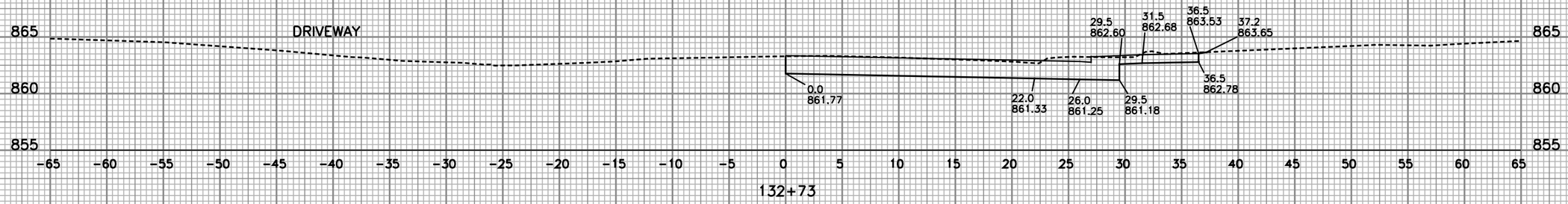
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WISDOT/CADDS SHEET 21

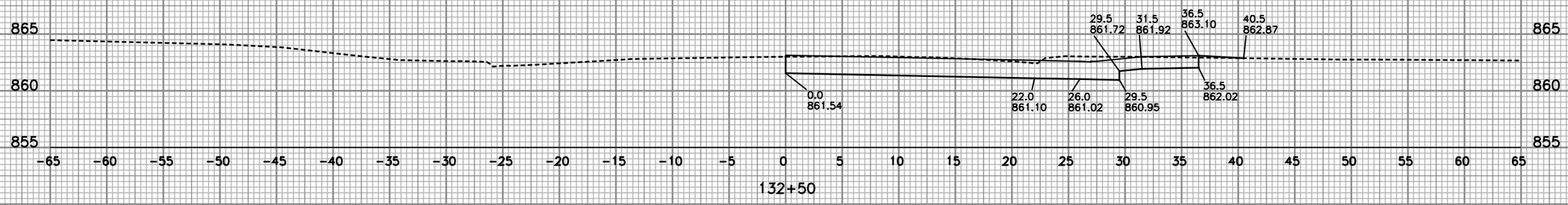


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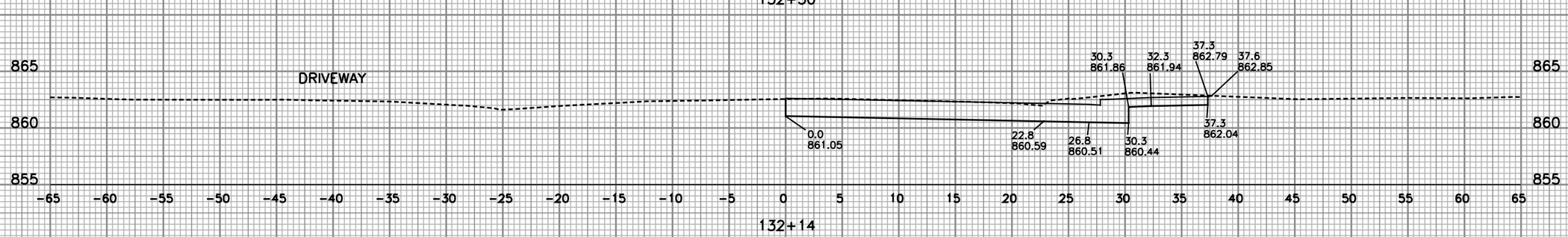
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E



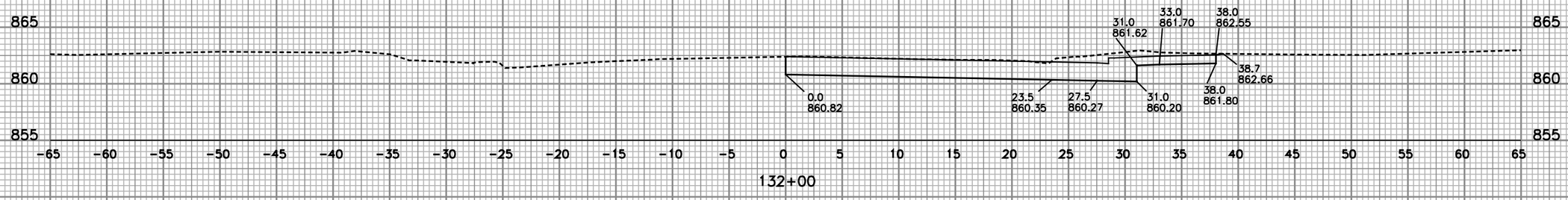
132+73



132+50

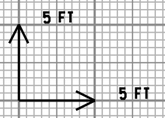


132+14



132+00

SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

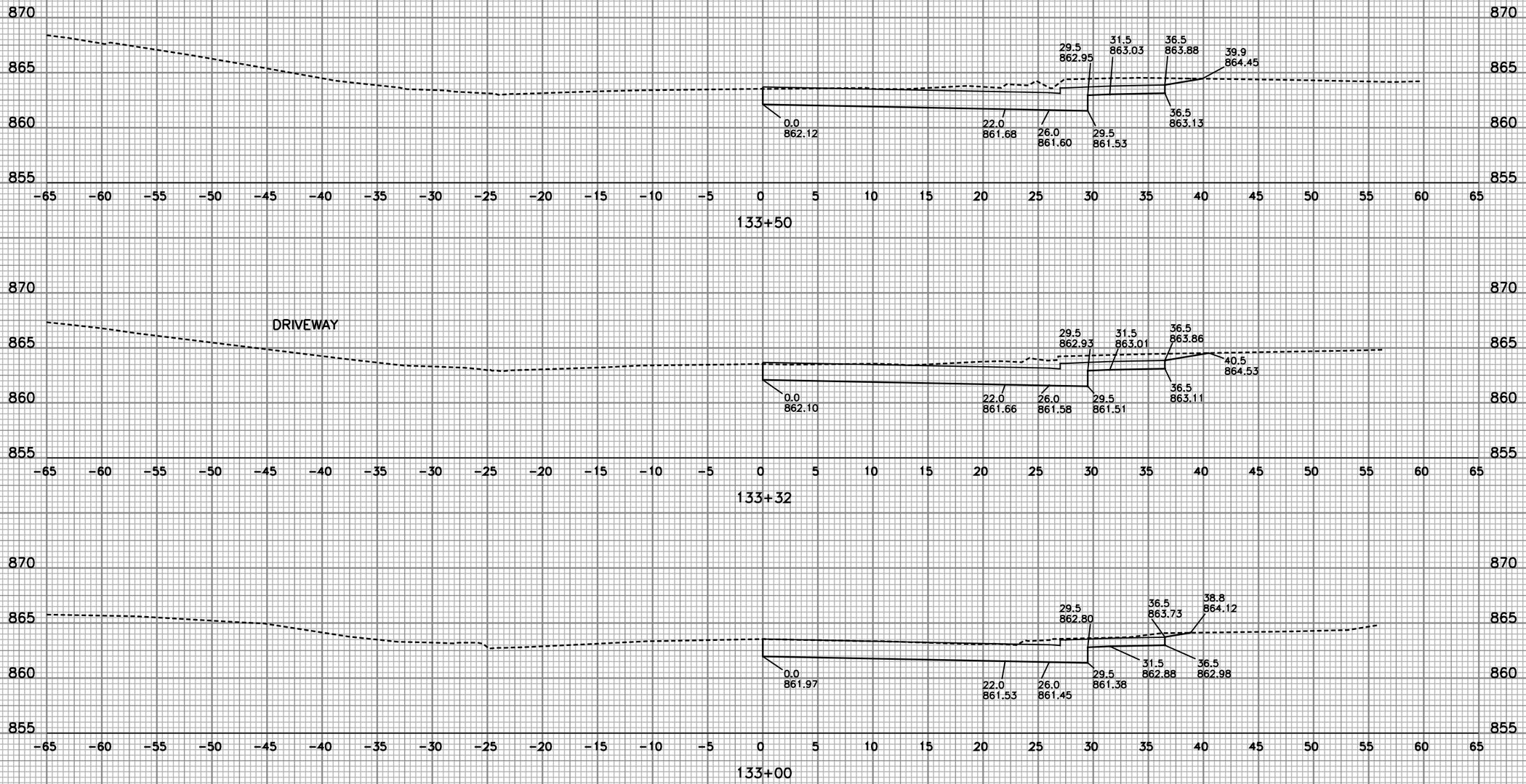


9

9

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

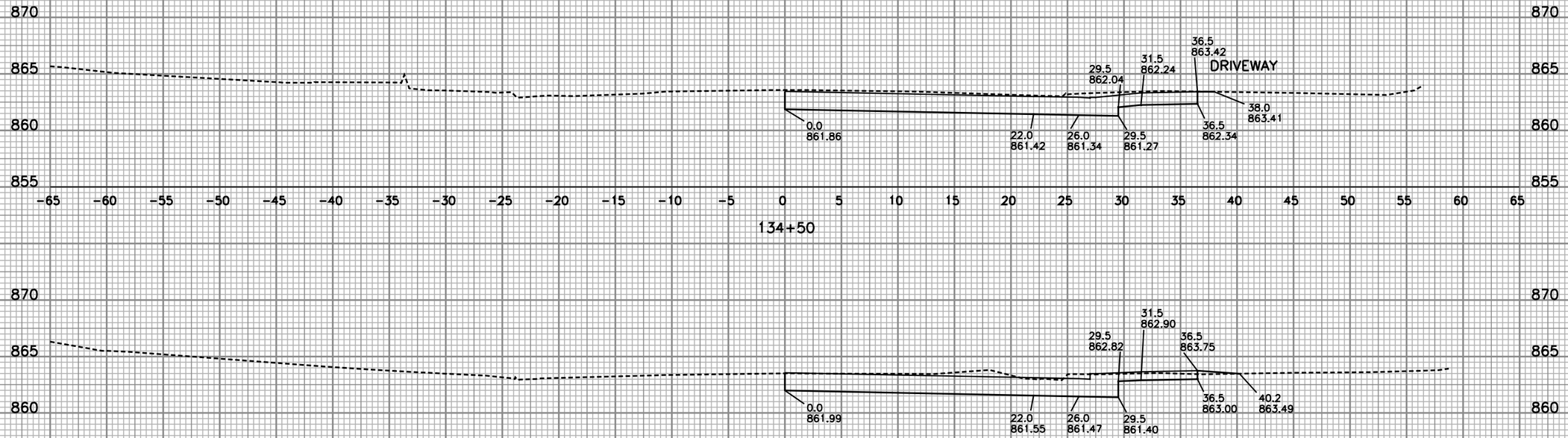


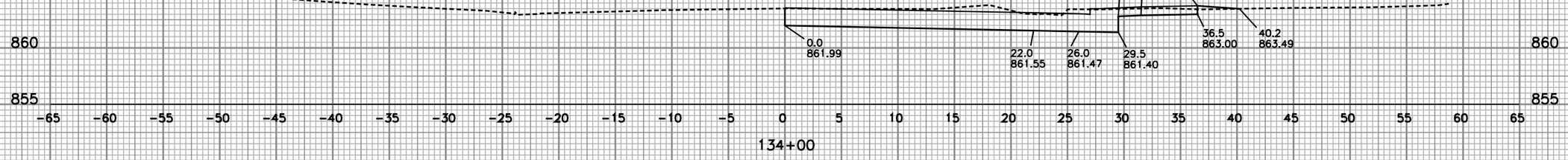
SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

9

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

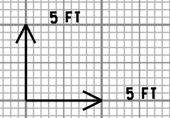
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SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.



9

9

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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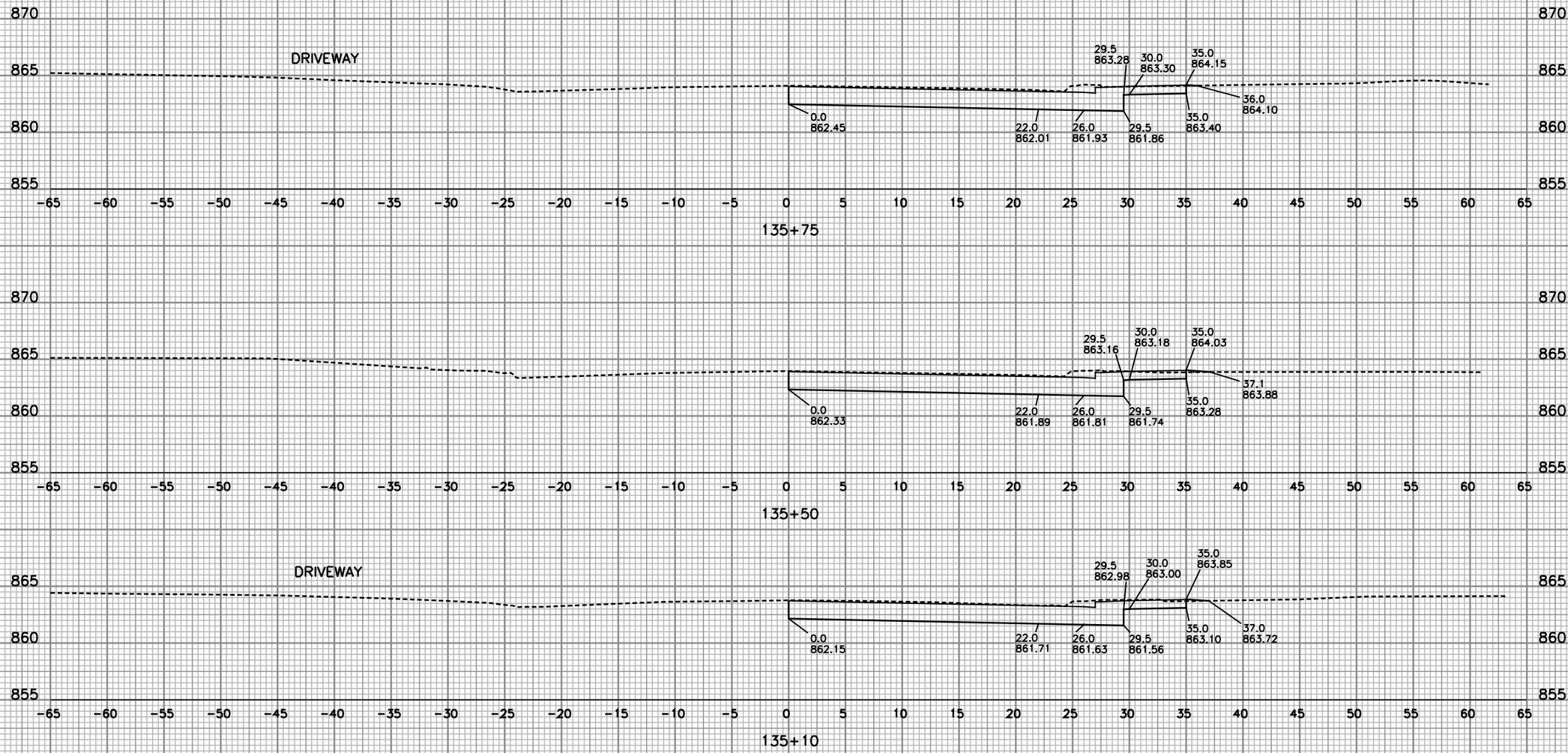
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

23

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

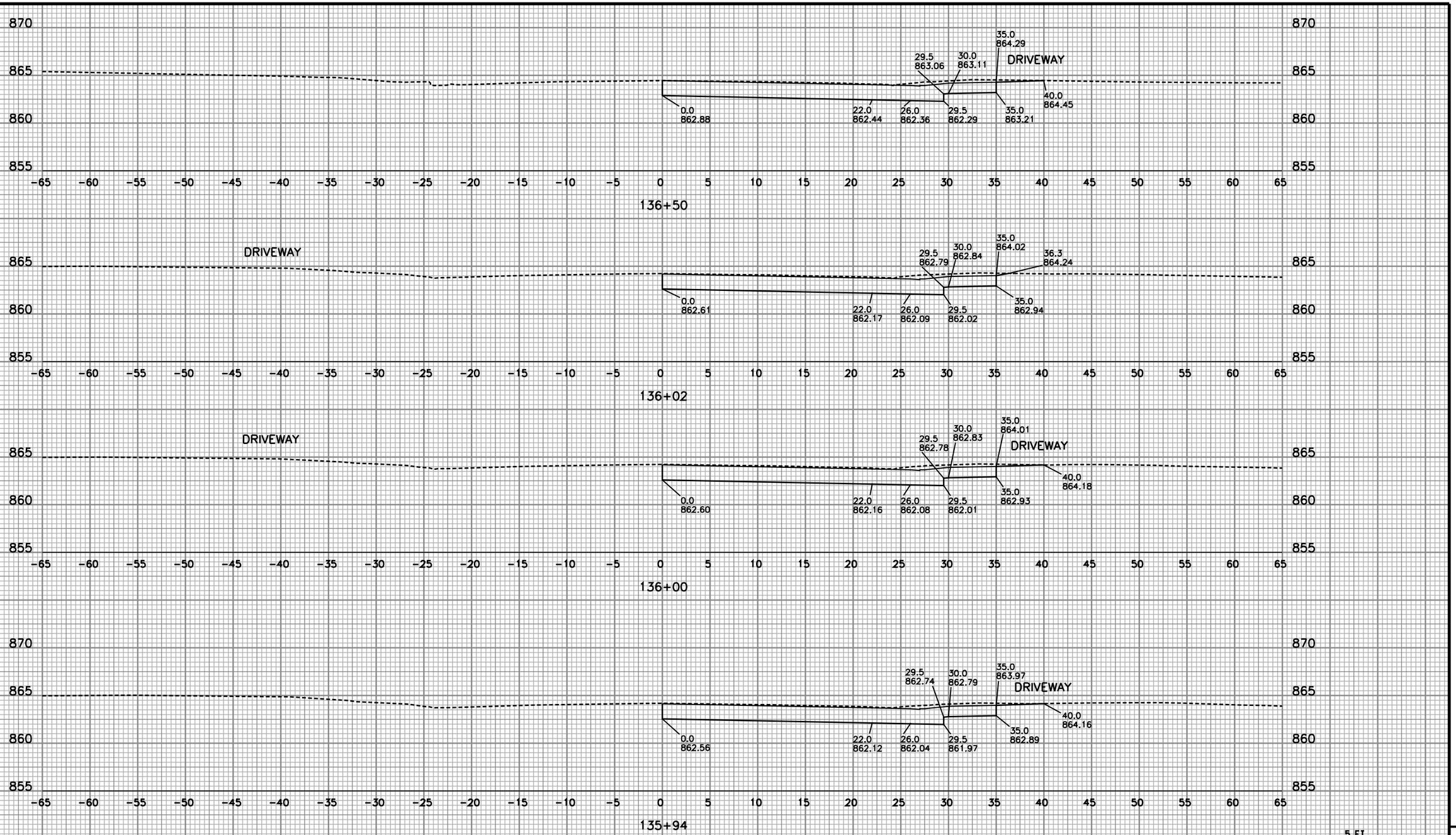
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

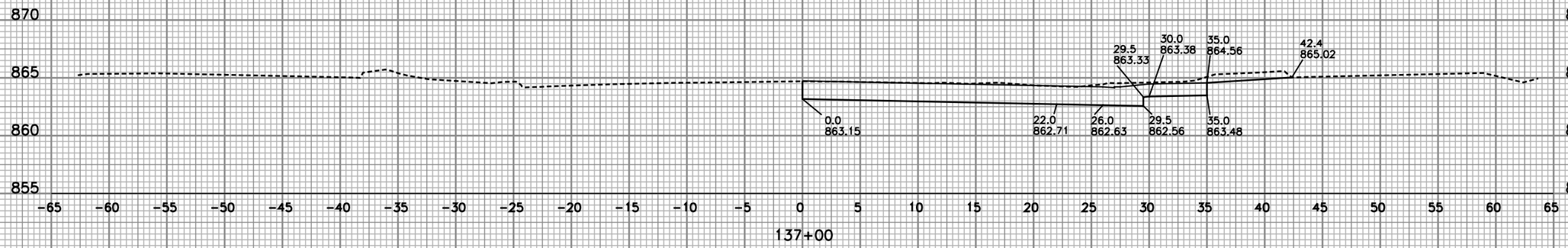
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

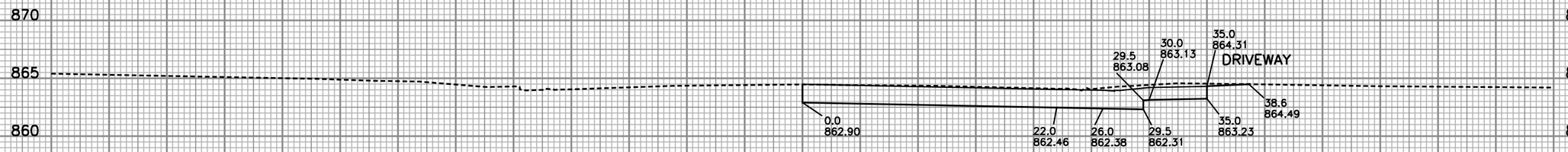
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137+00

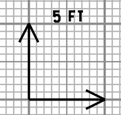


136+71



136+55

SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

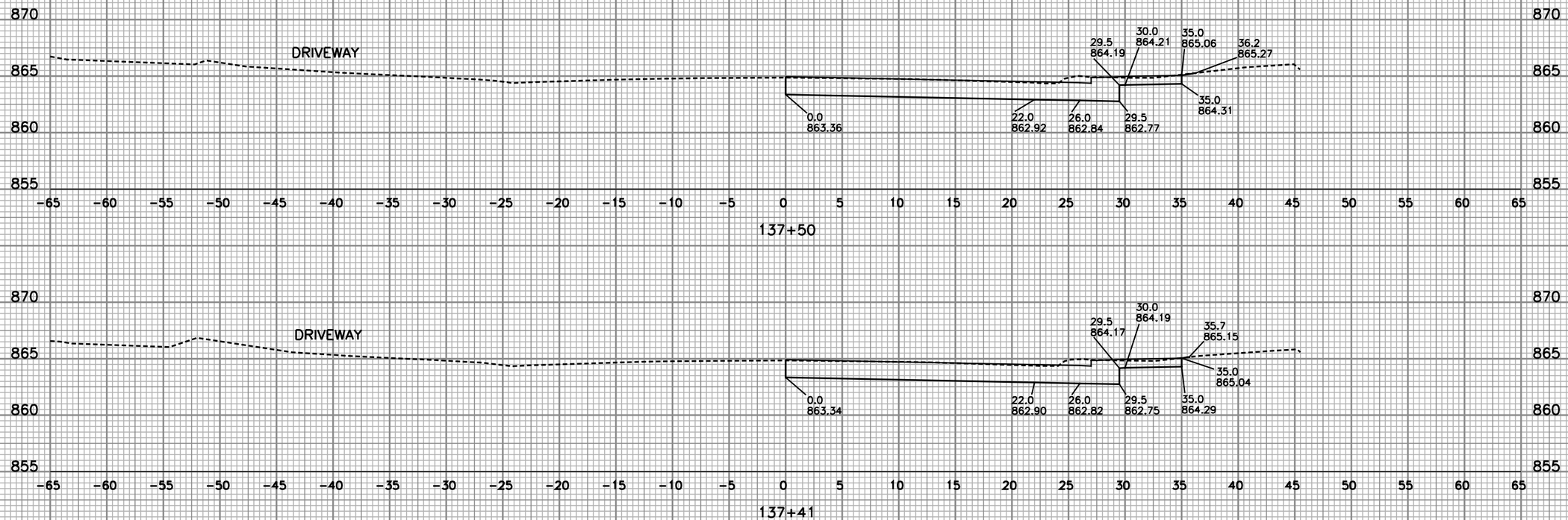


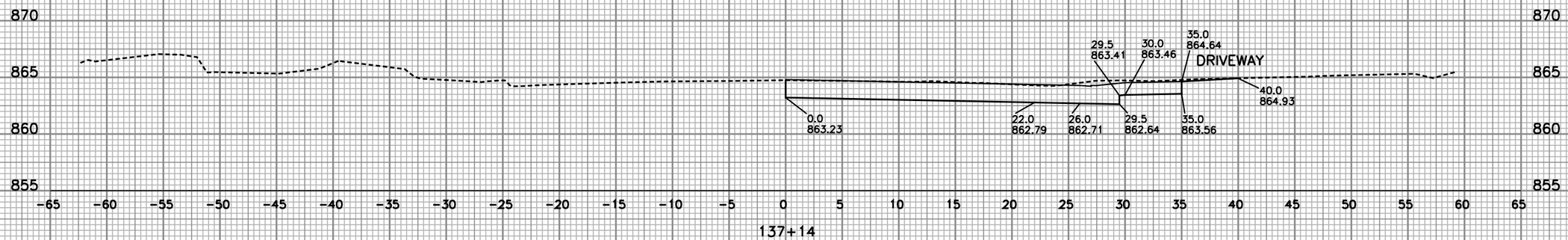
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$





SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

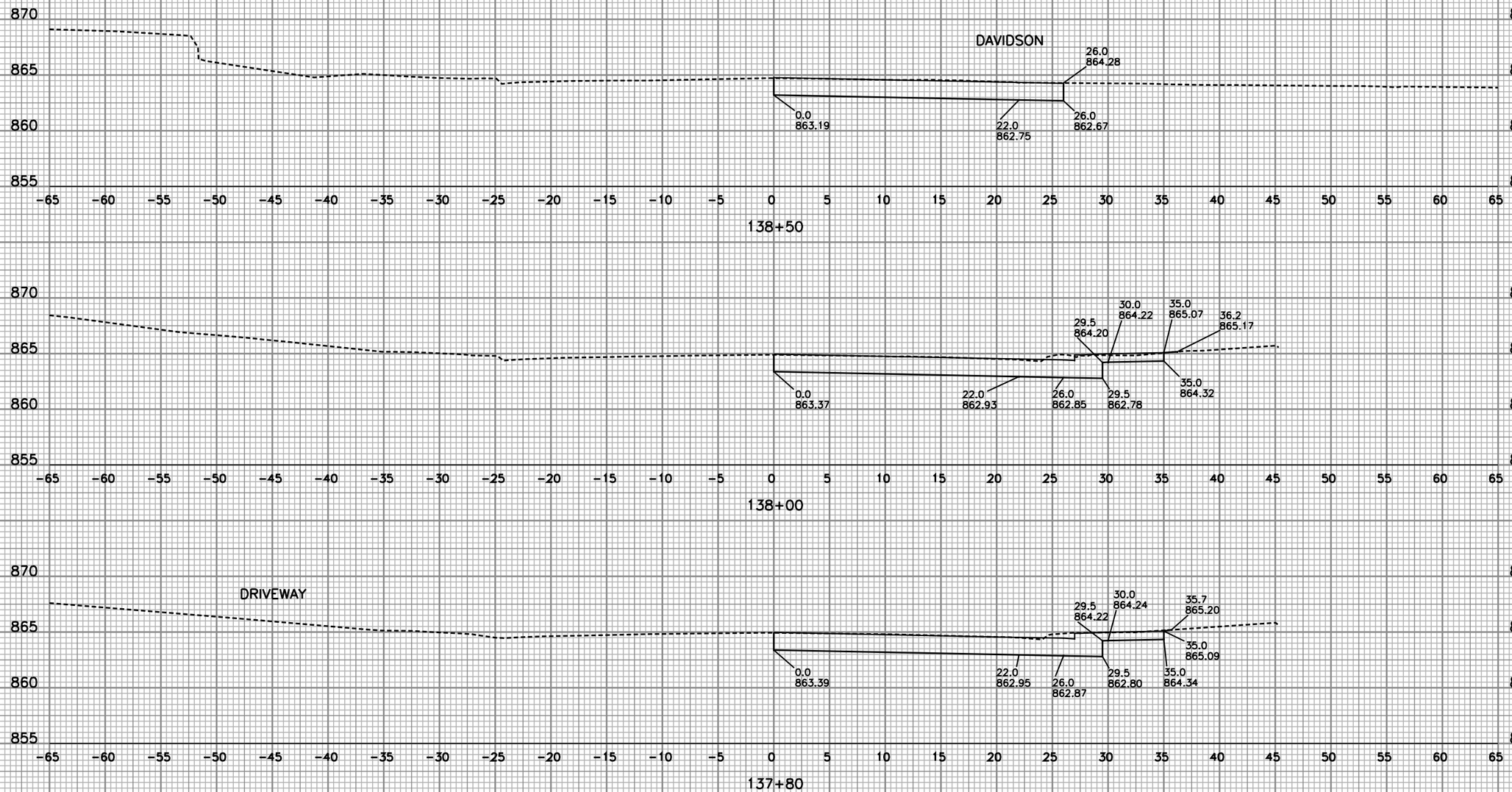
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET 397	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

27



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

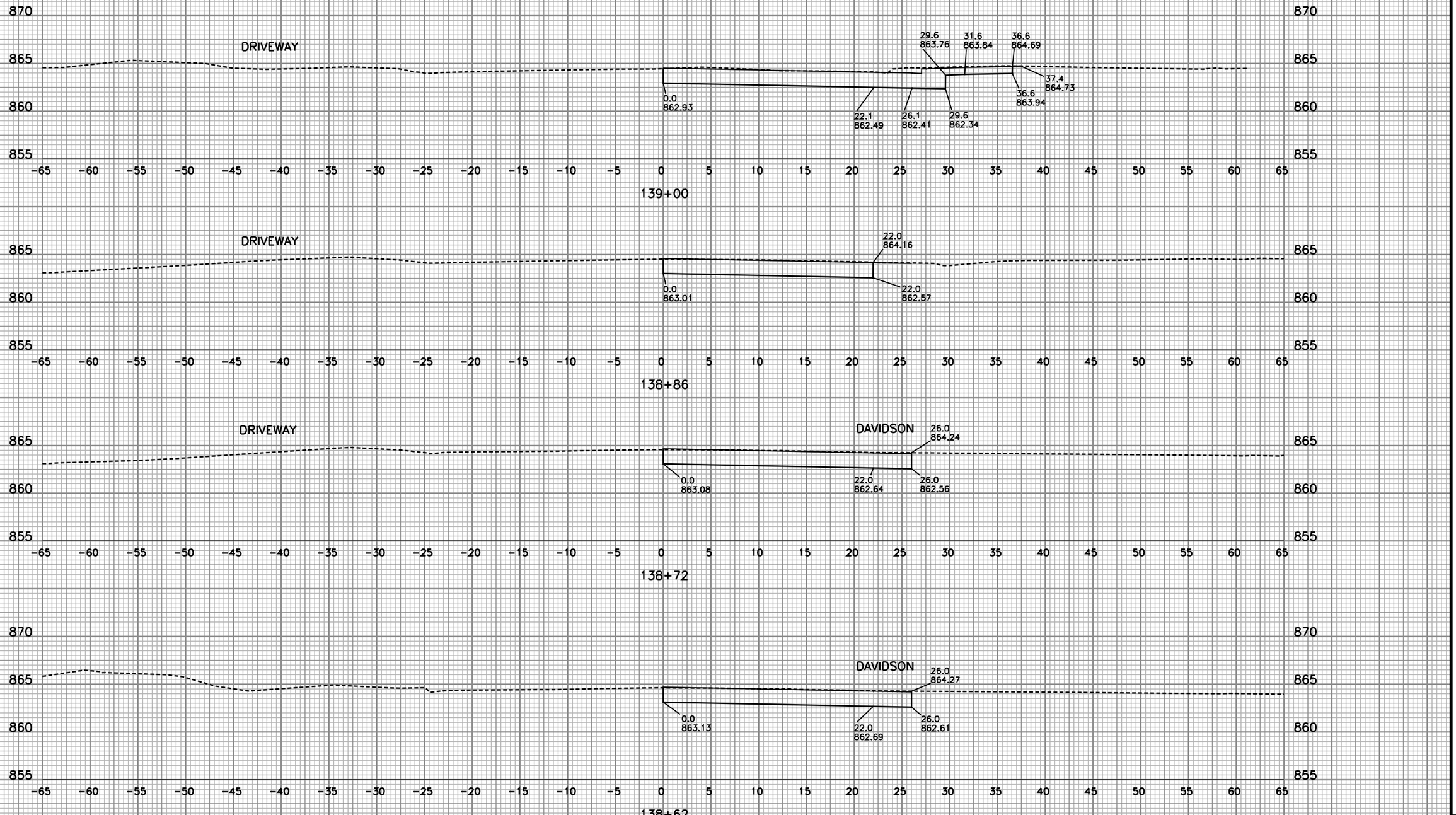
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

28



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

9

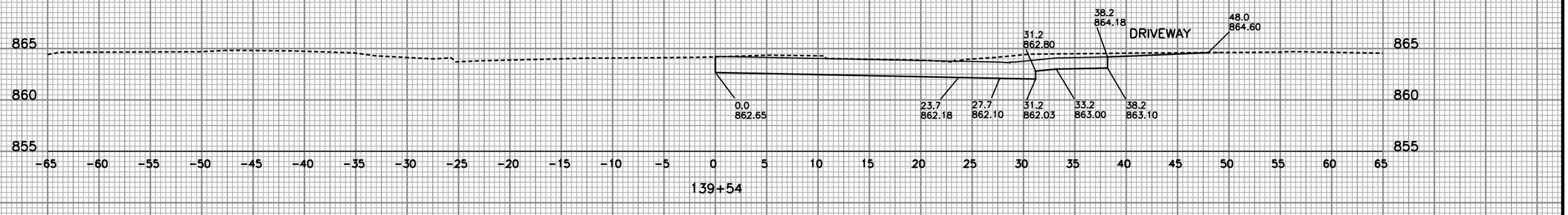
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

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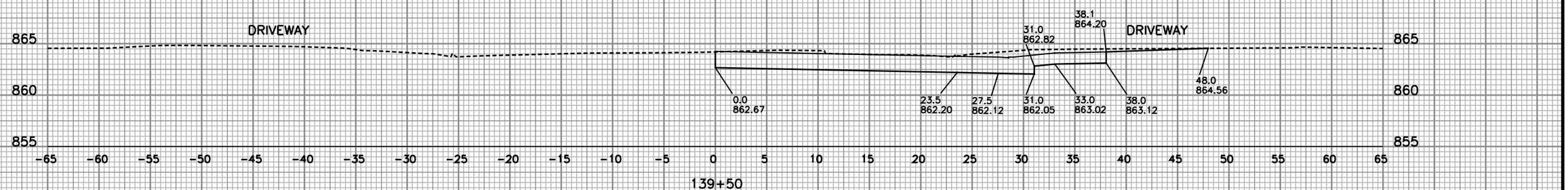
WISDOT/CADDS SHEET 21



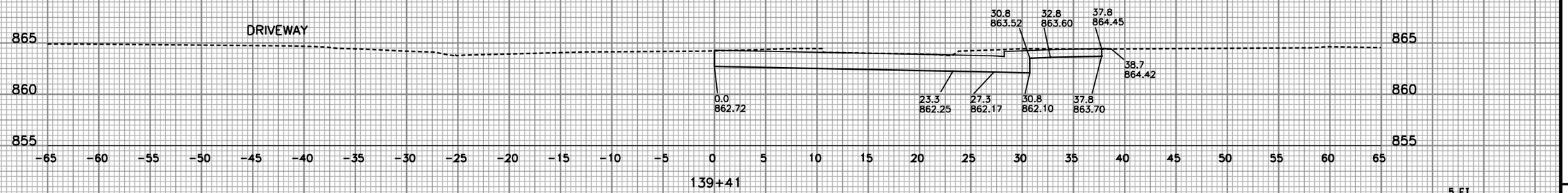
140+00



139+54

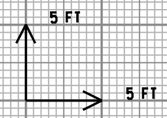


139+50



139+41

SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.



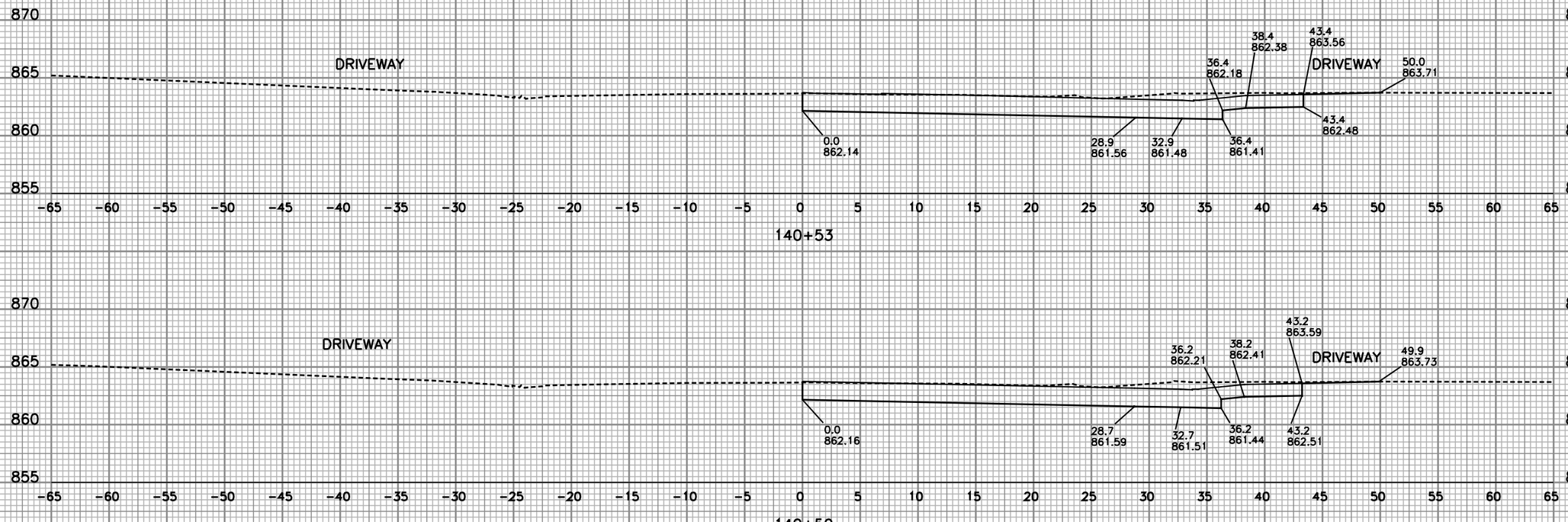
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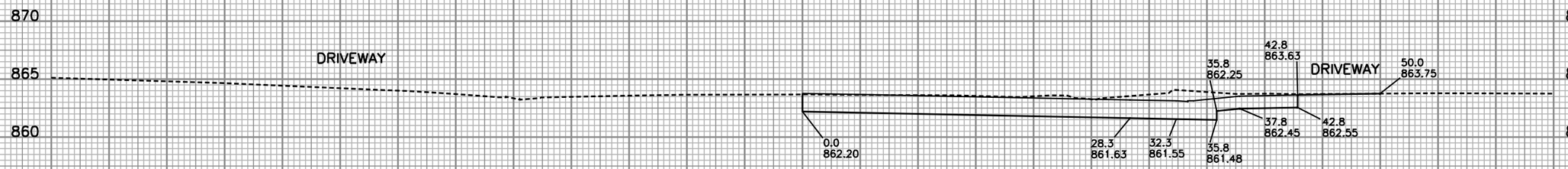
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET 400	E

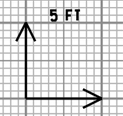
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WISDOT/CADDS SHEET 21





SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.



9

9

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET 401	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

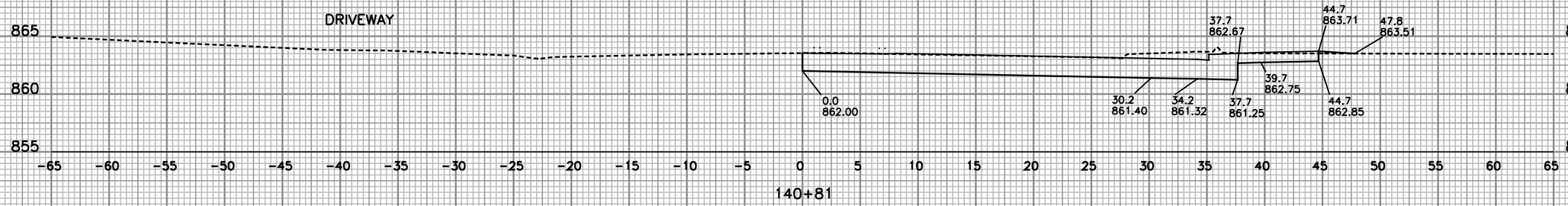


141+50



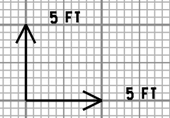
141+22

141+00



140+81

SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

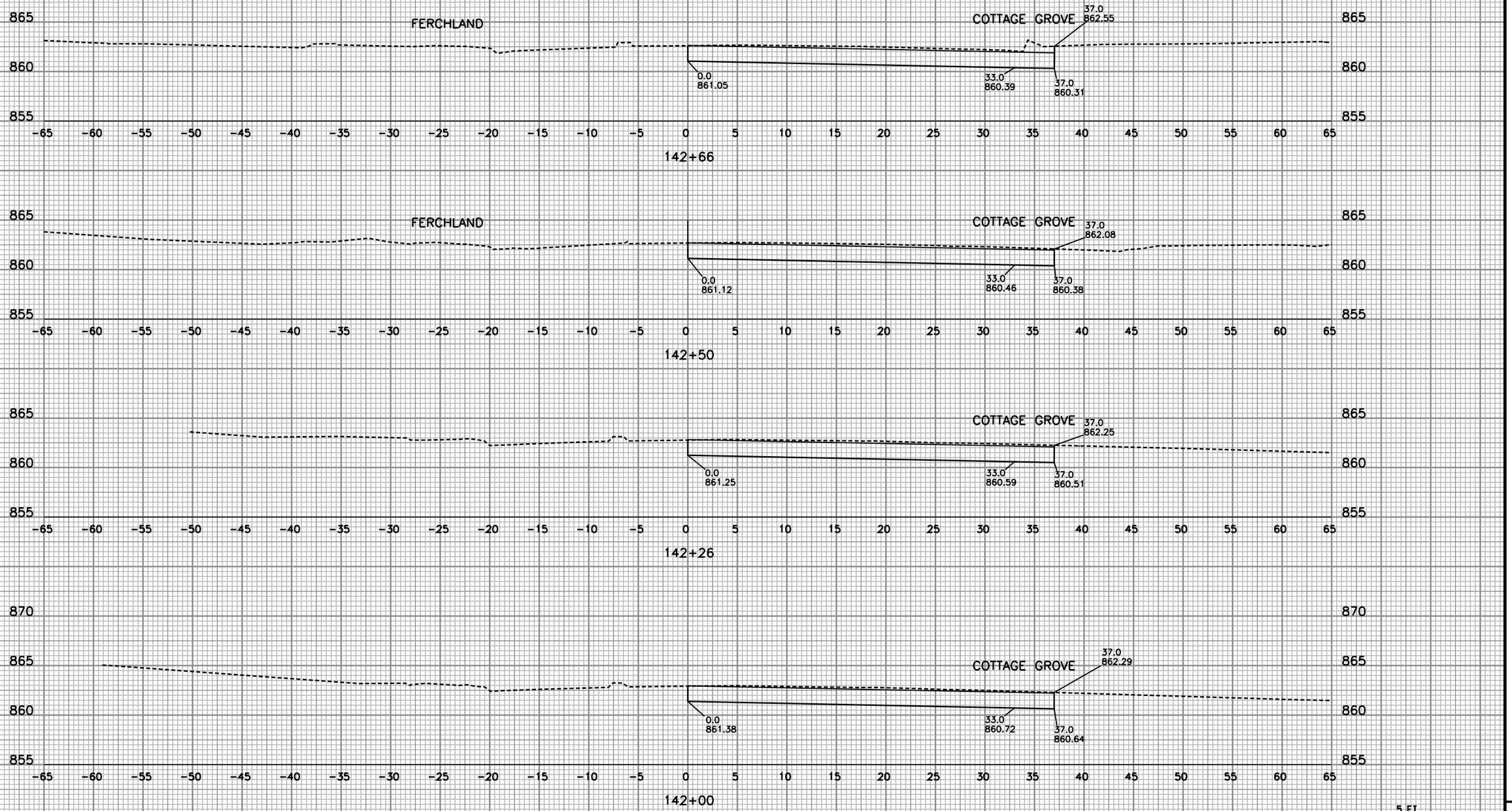


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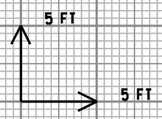
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.



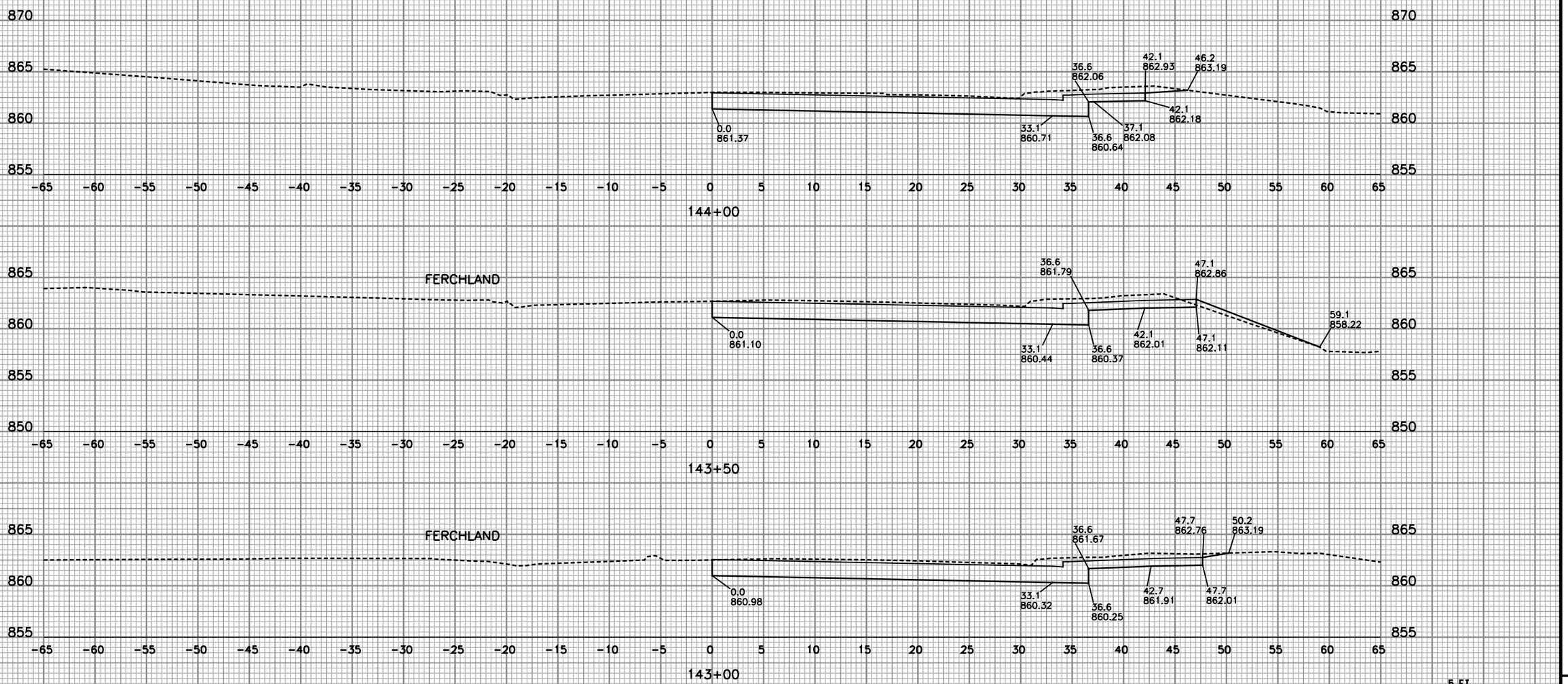
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

9

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET 404	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

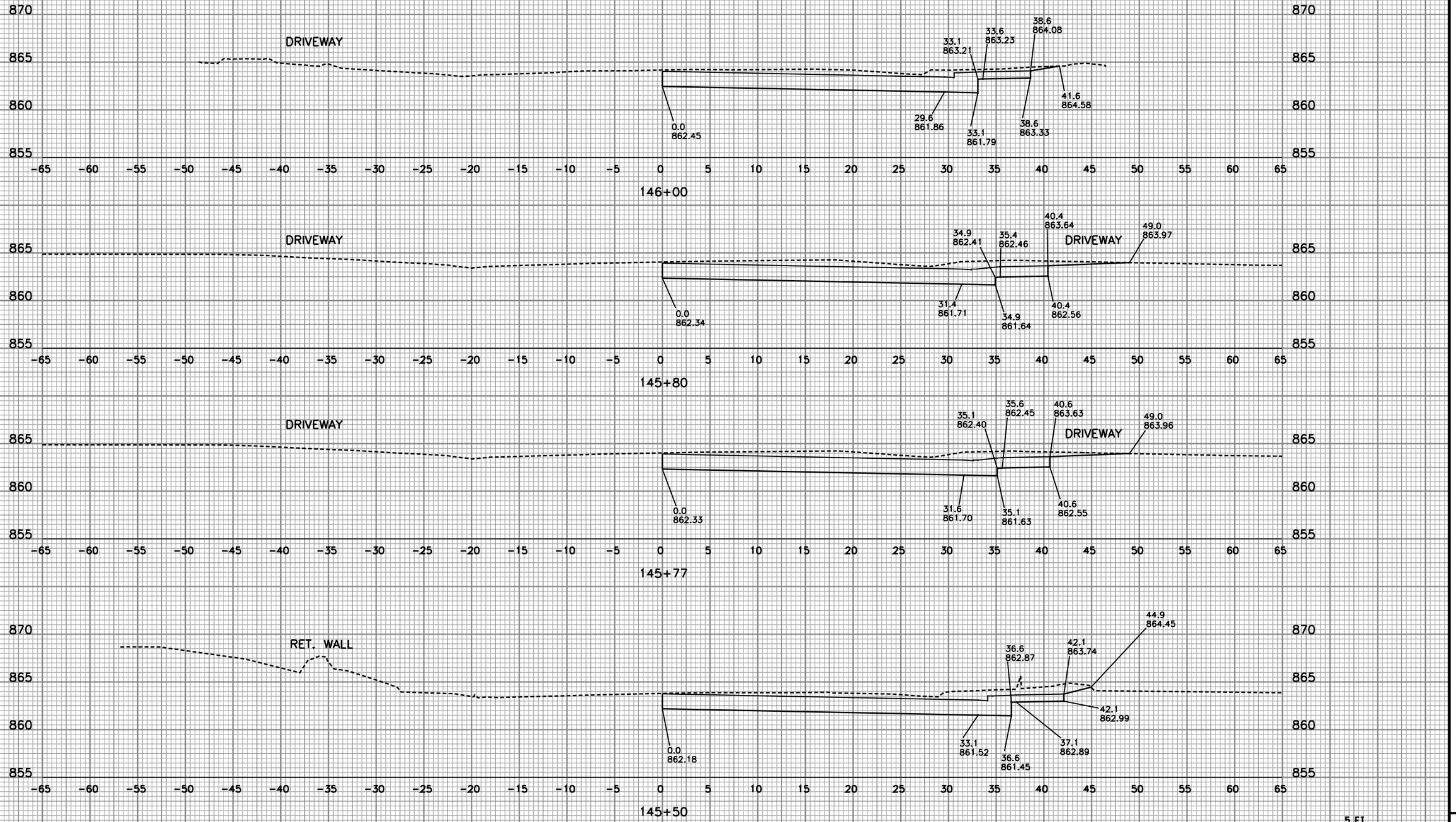
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9

9

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

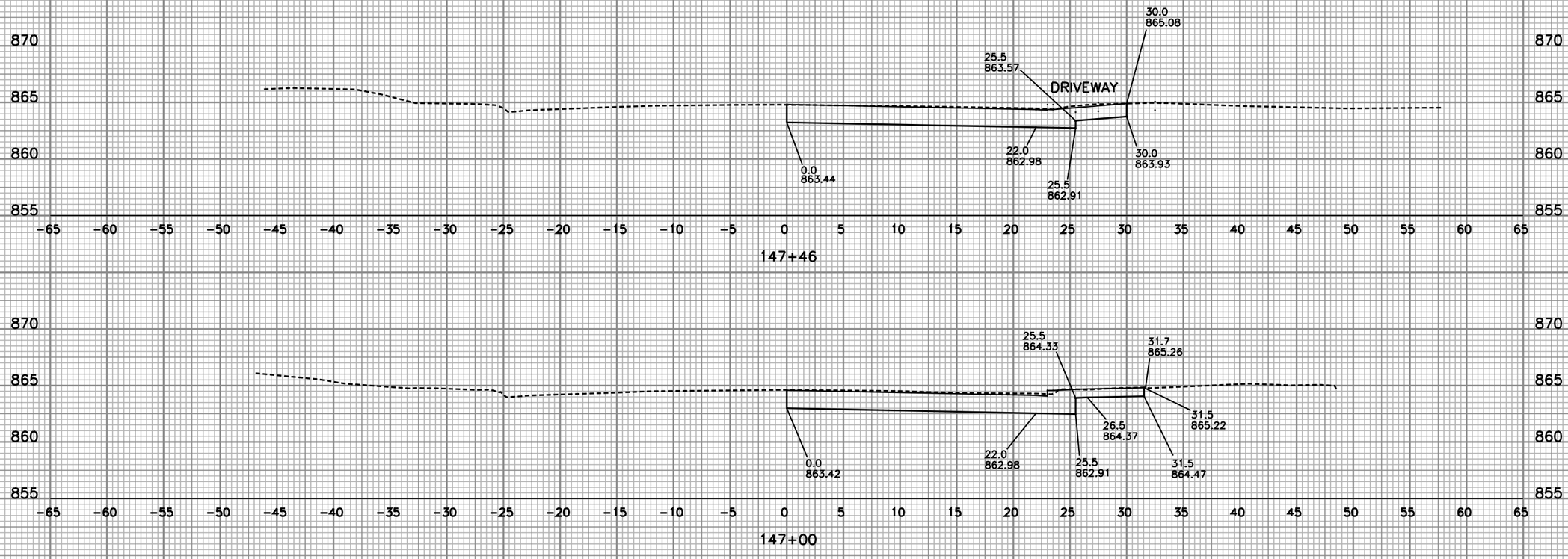
5 FT
5 FT

9

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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$



SIDEWALK INSTALLED IN STAGE 1. GRADING AND FINISHING WORK BETWEEN CURB AND GUTTER AND NEW SIDEWALK TO BE COMPLETED IN STAGE 3. ELEVATION FOR SIDEWALK GRADING SHOWN FOR INFORMATIONAL PURPOSES ONLY.

5 FT

5 FT

9

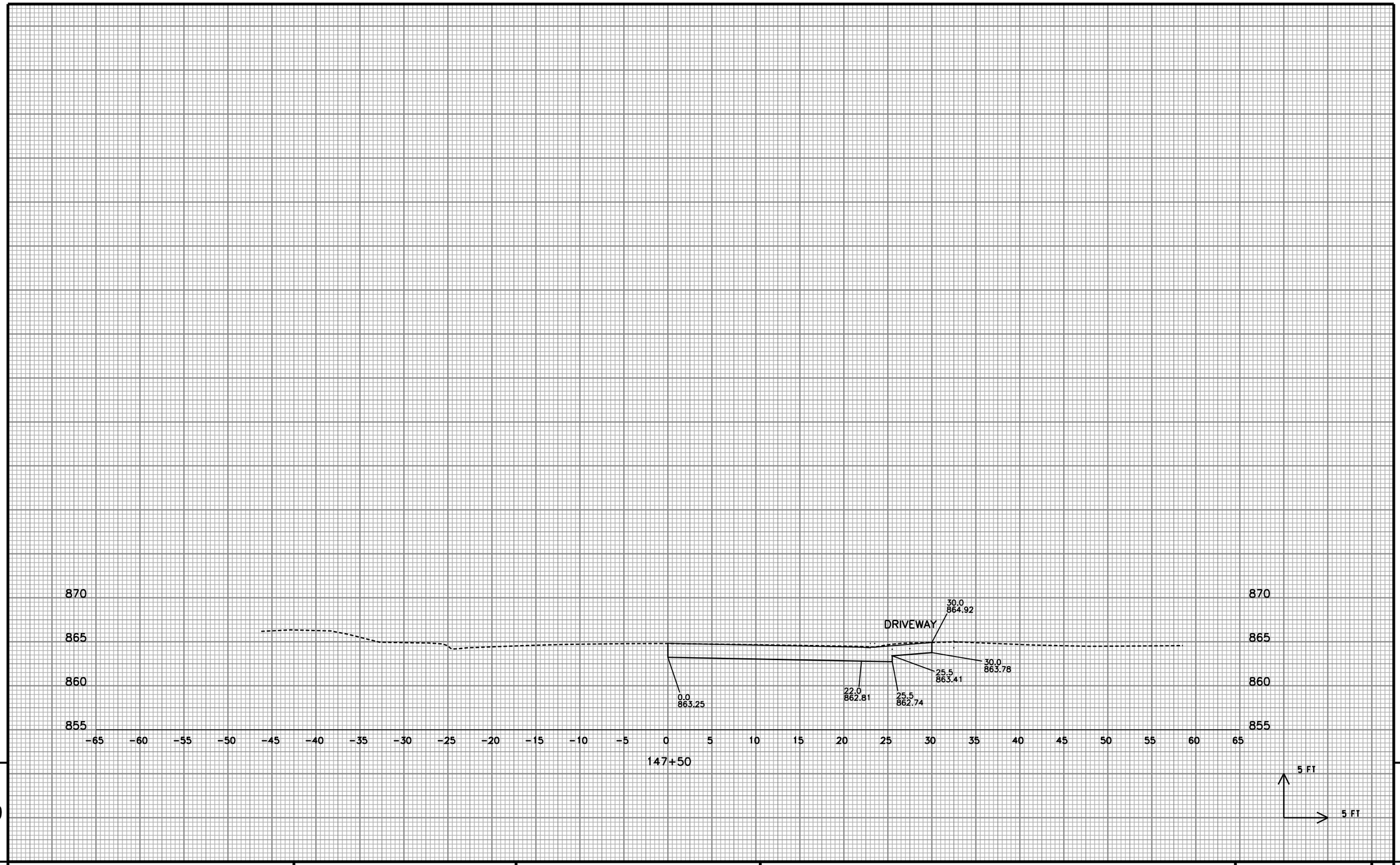
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET 407	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

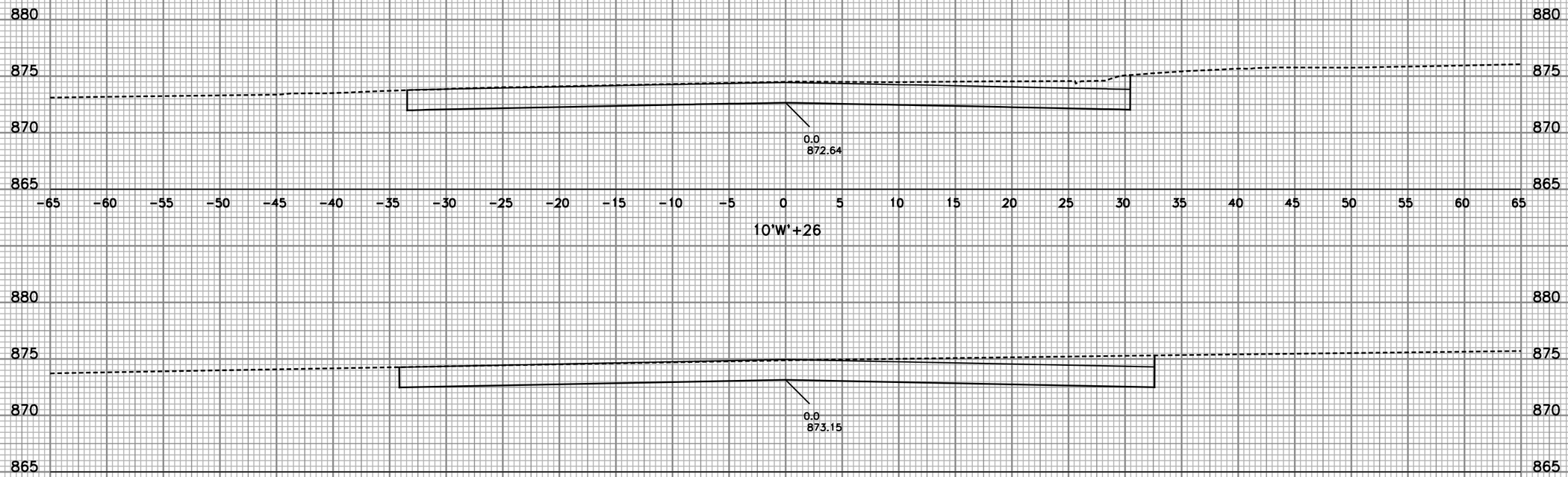
WISDOT/CADDS SHEET 21

37



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: MONONA DRIVE	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$



9'W'+74

5 FT
5 FT

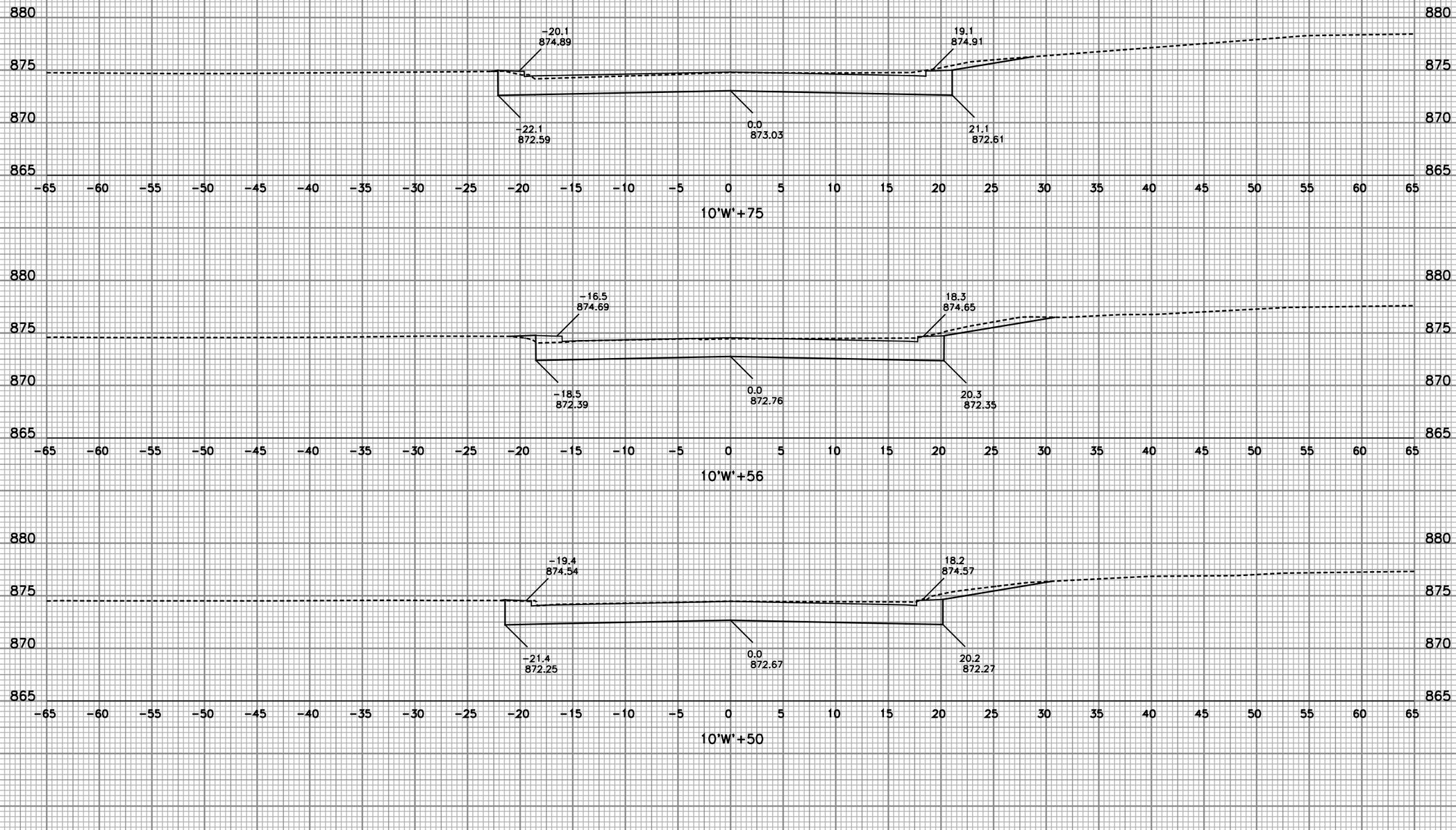
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: WINNEQUAH STREET	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



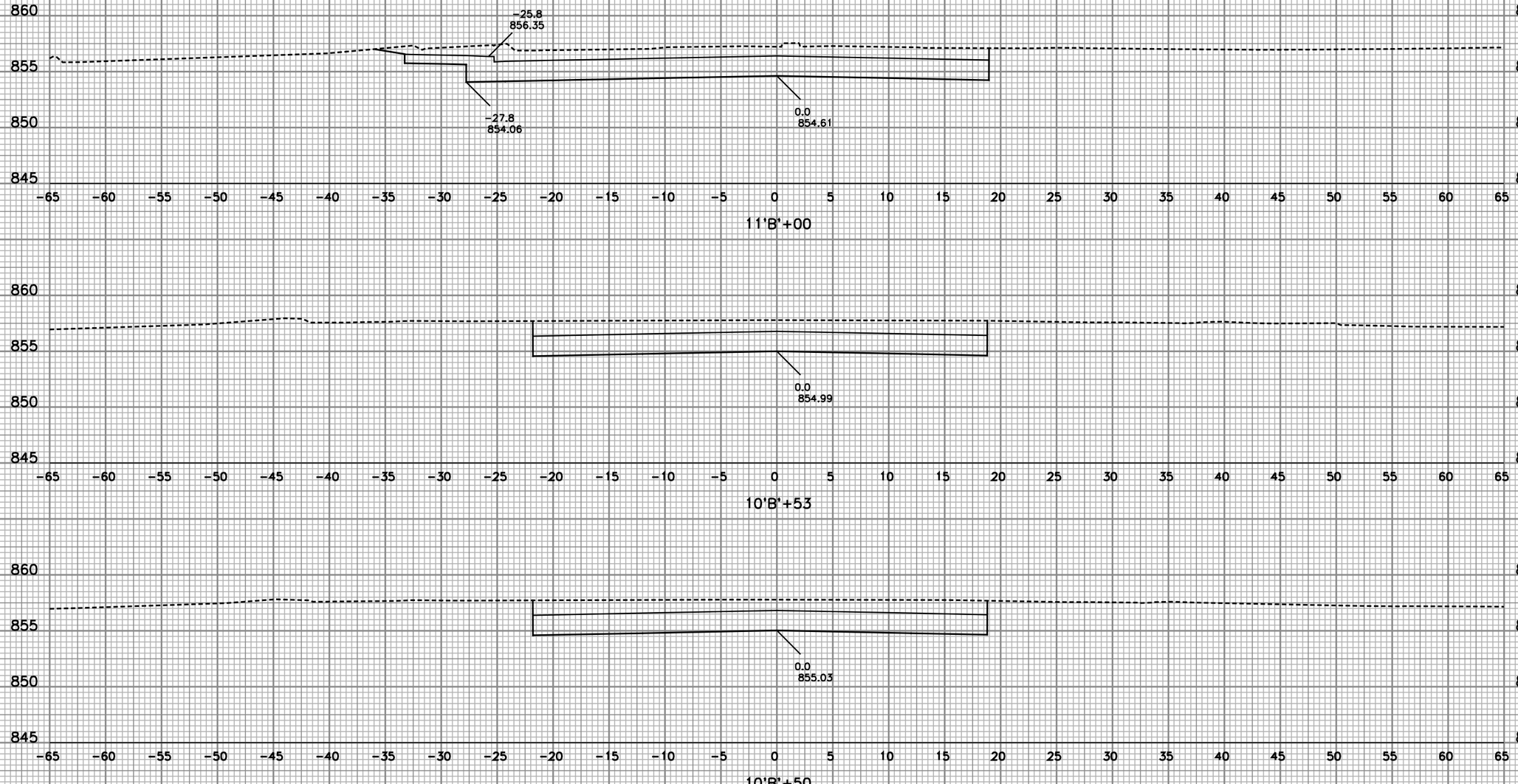
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: WINNEQUAH STREET	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



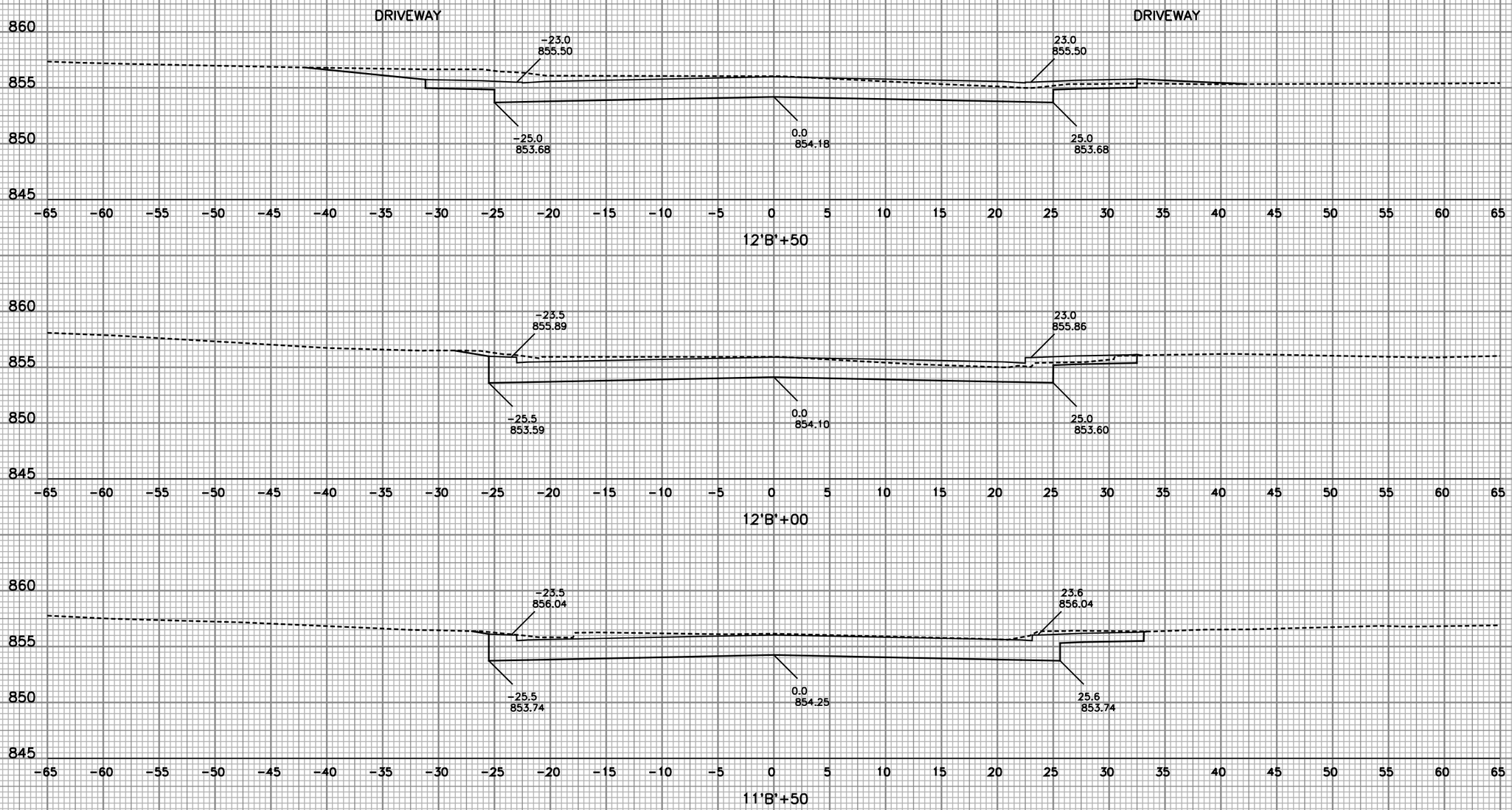
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: BUCKEYE ROAD	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

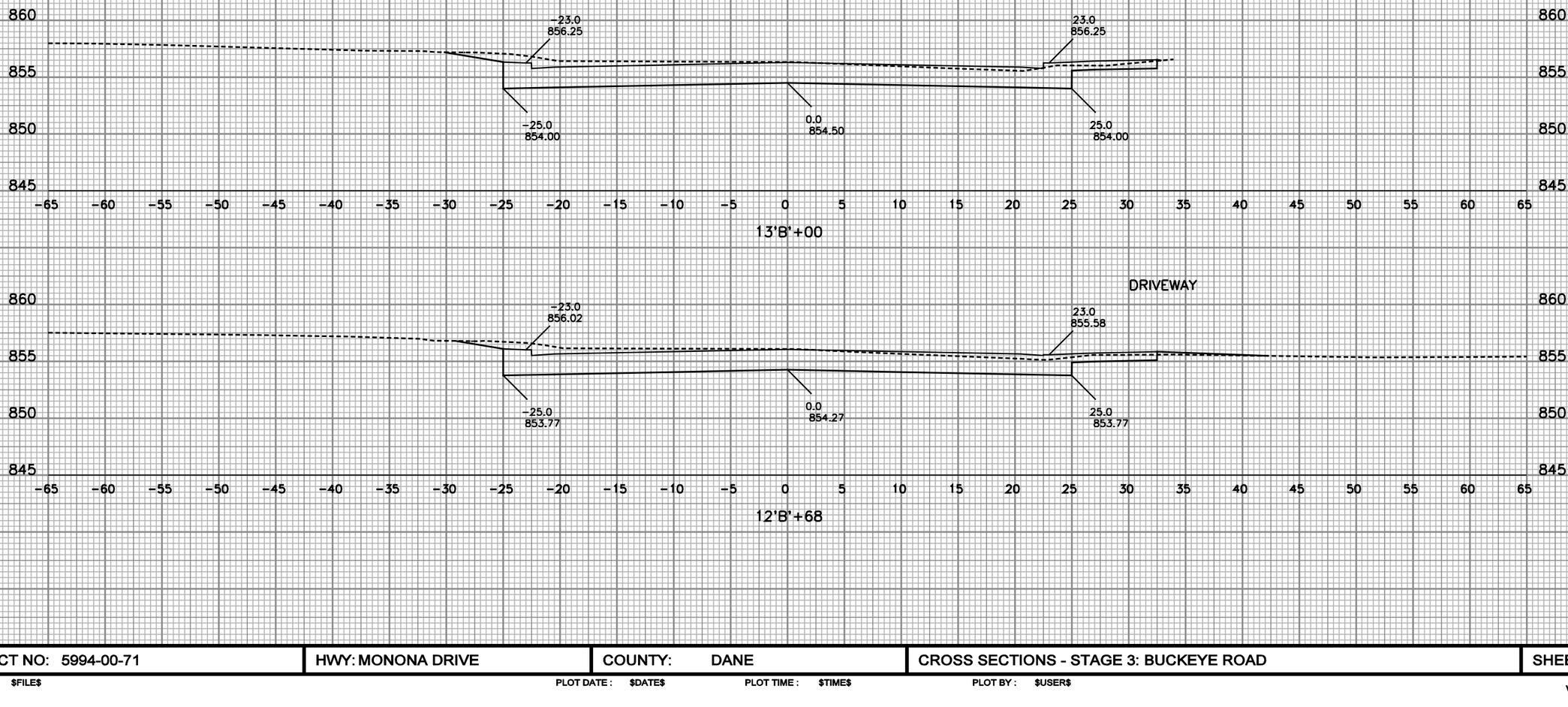


9 9

PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: BUCKEYE ROAD	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

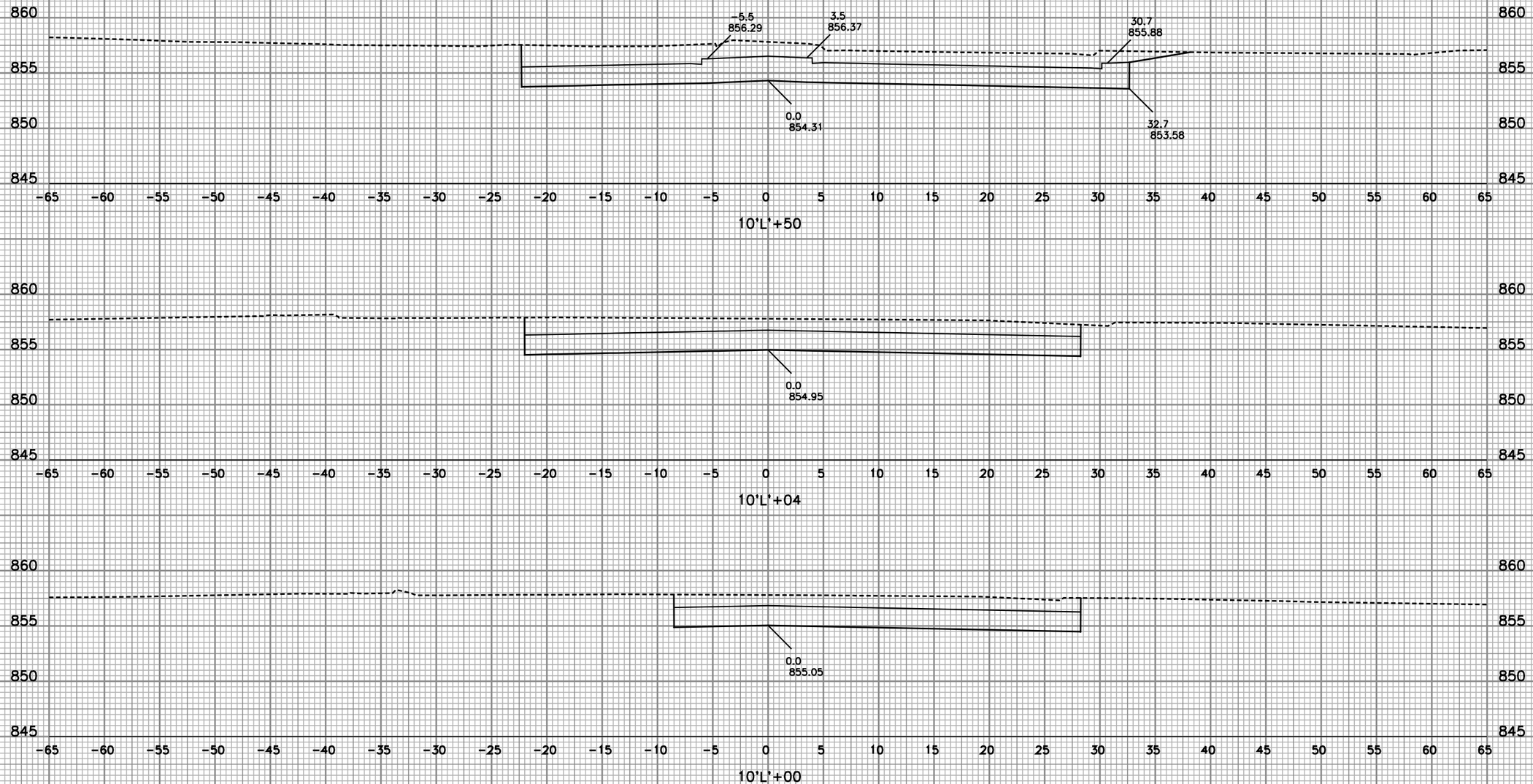


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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: BUCKEYE ROAD	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



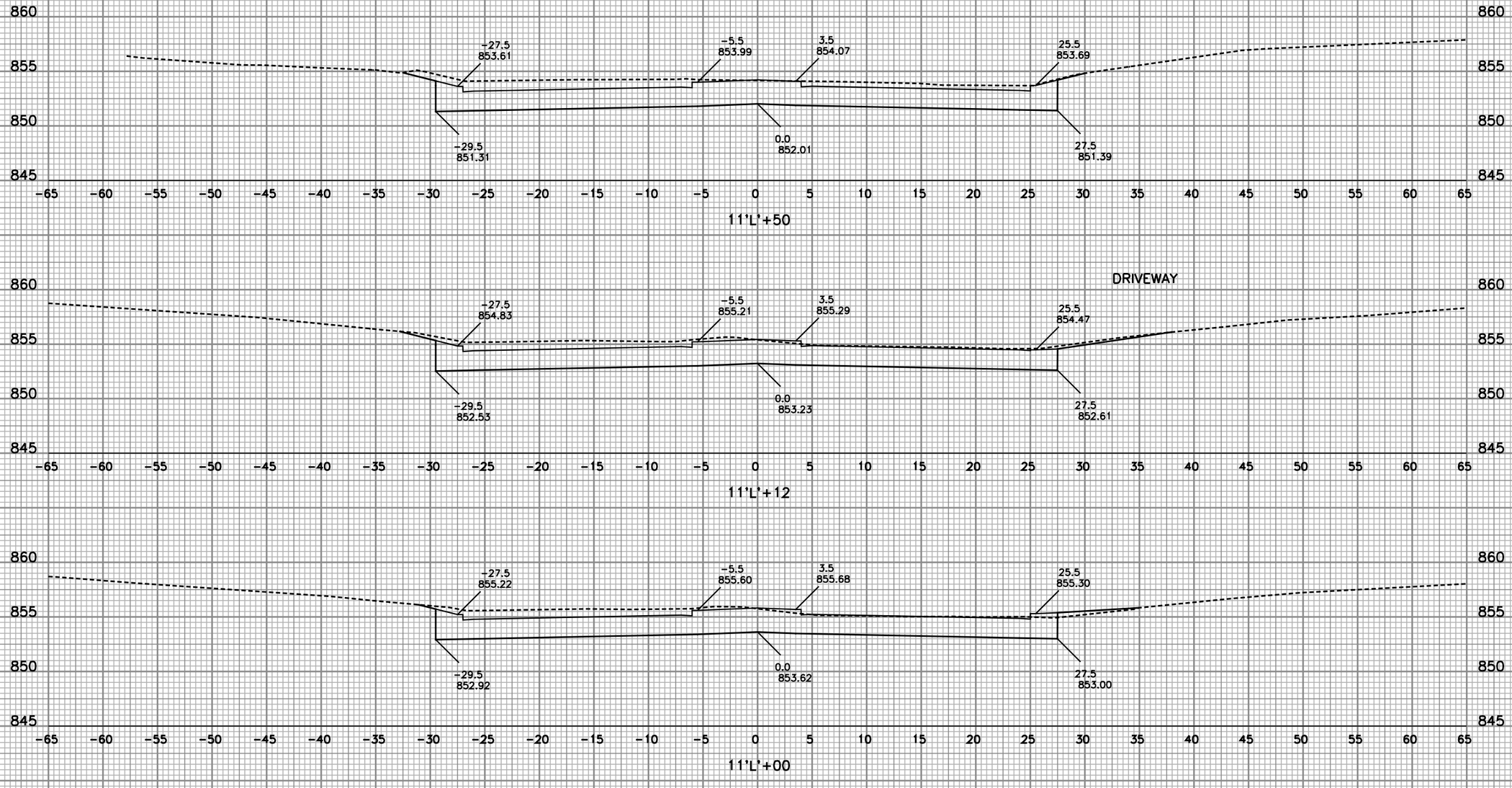
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: LAKE EDGE BOULEVARD	SHEET	E

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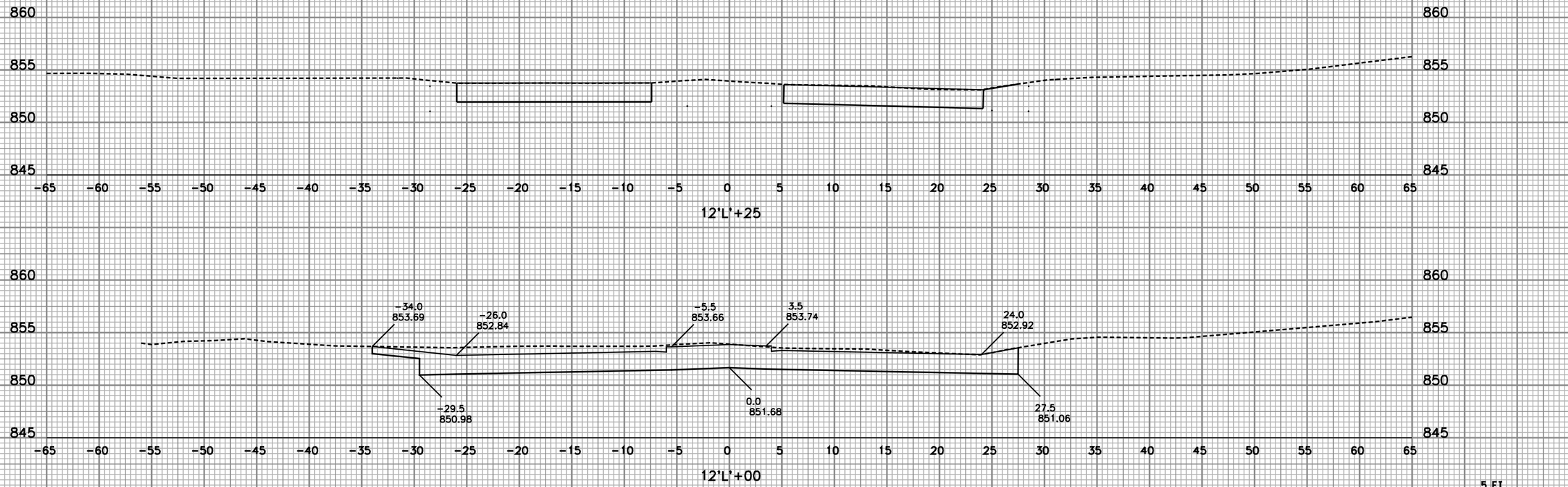
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: LAKE EDGE BOULEVARD	SHEET E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



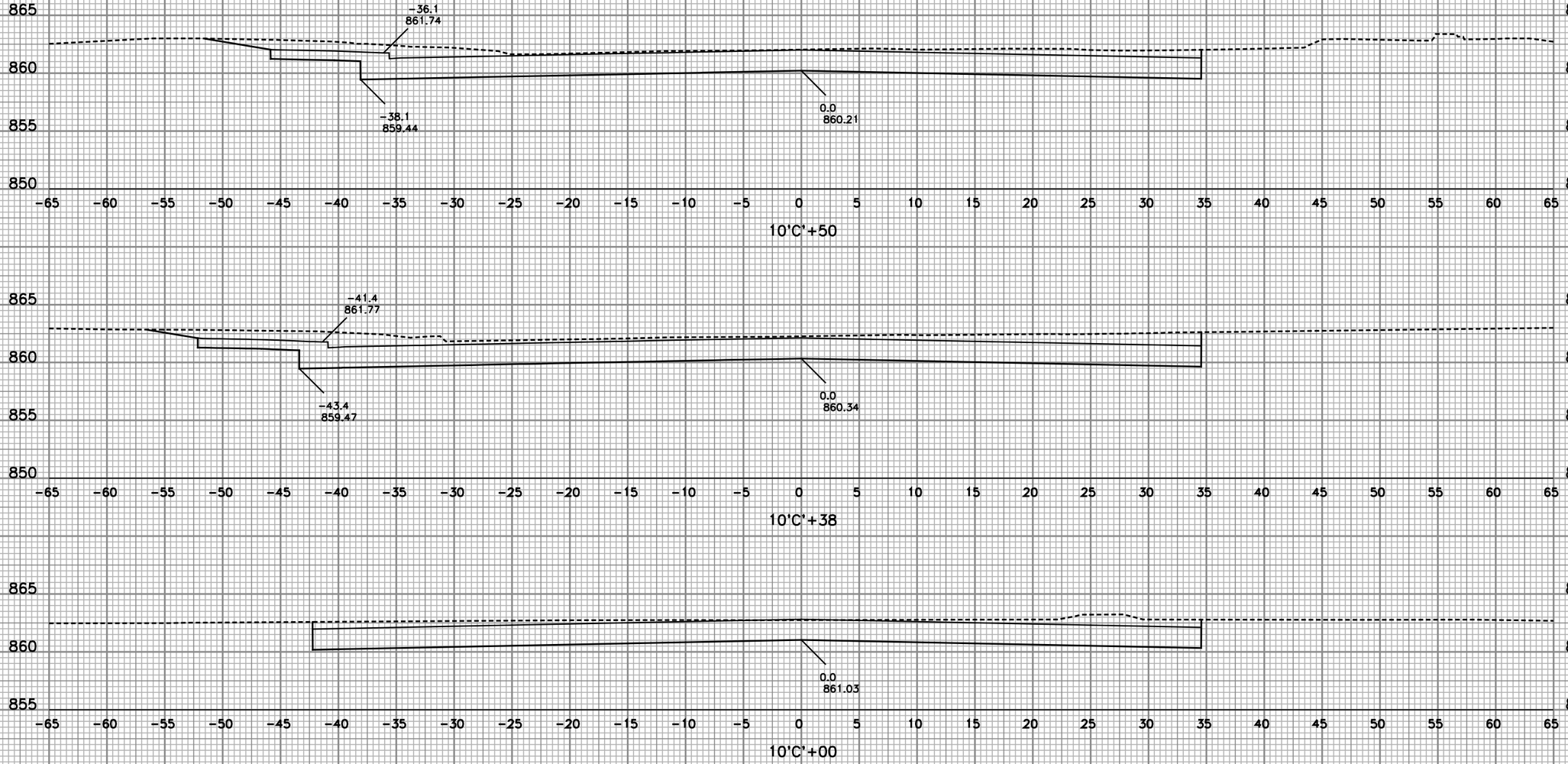
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: LAKE EDGE BOULEVARD	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



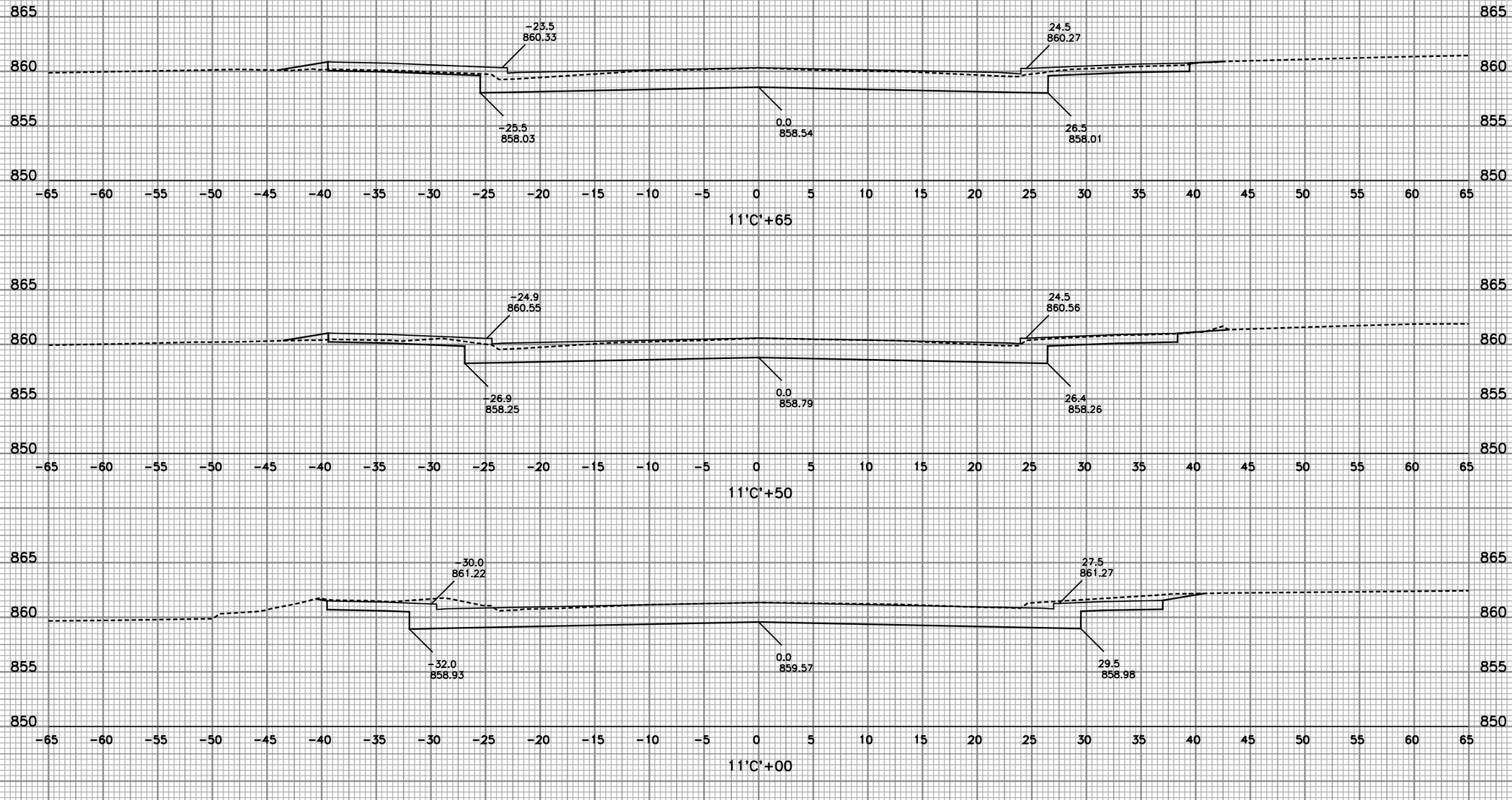
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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: COTTAGE GROVE ROAD	SHEET	E

FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



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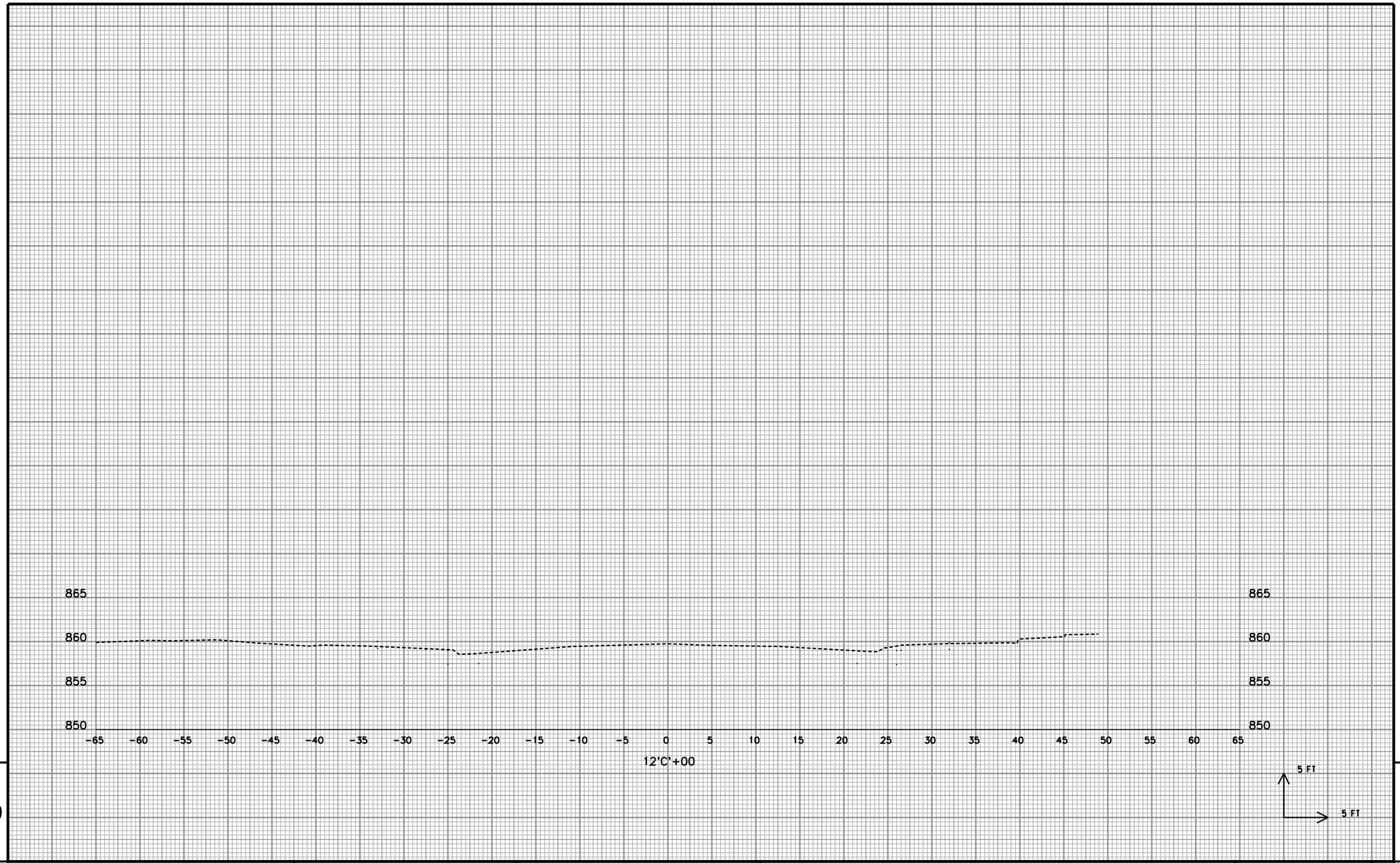
PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: COTTAGE GROVE ROAD	SHEET	E

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FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-71	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS - STAGE 3: COTTAGE GROVE ROAD	SHEET	E

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FILE NAME : $FILE$ PLOT DATE : $DATE$ PLOT TIME : $TIME$ PLOT BY : $USER$

WISDOT/CADDS SHEET 21

Wisconsin Department of Transportation

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