SWL JAN 13

PROJECT ID: 5994-00-72/77/78
WITH: N/A

COUNTY: DANE

05

ORDER OF SHEETS

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

TOTAL SHEETS = 826

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MONONA DRIVE, CITY OF MONONA

(NICHOLS ROAD - WINNEQUAH ROAD)

CTH BB

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5994-00-72	WISC 2013018	1
5994-00-77	———	—
5994-00-78	———	—

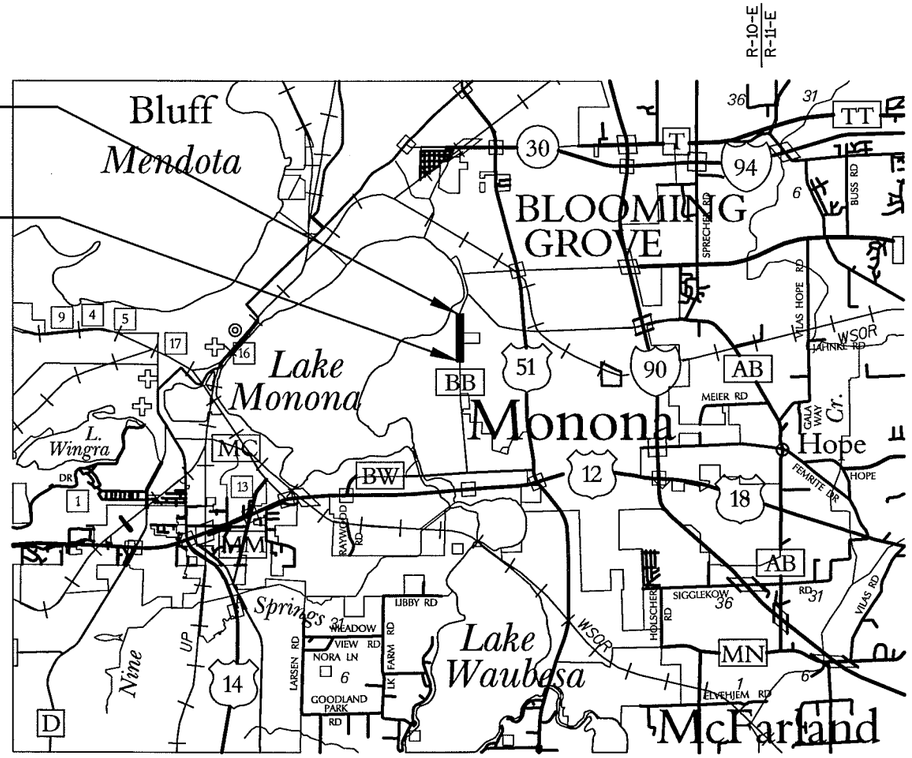
STATE PROJECT NUMBER
5994-00-72/77/78



N

END PROJECT
STA. 111+23.76

BEGIN PROJECT
STA. 58+90.00
Y = 477,986.59
X = 836,684.22



LAYOUT
SCALE 0 0.5 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.991 MI.

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Dane County, NAD 83 (2007) Adjustment.

DESIGN DESIGNATION

A.A.D.T. (2013)	=	20,676
A.A.D.T. (2033)	=	37,057
D.H.V.	=	3,335
D.D.	=	45/55
T.	=	4.1%
DESIGN SPEED	=	35 MPH
ESALS	=	2,927,300 (CONCRETE)
		2,204,600 (ASPHALT)

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

ACCEPTED FOR THE CITY OF MONONA
DATE: 7/20/12 Daniel M. Stephany
DIRECTOR OF PUBLIC WORKS

ACCEPTED FOR THE CITY OF MADISON
DATE: 7-20-12
PRINCIPAL ENGINEER

ACCEPTED FOR DANE COUNTY
DATE: 7/20/12
ASSISTANT HIGHWAY AND TRANSPORTATION COMMISSIONER

ORIGINAL PLANS PREPARED BY:

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

WISCONSIN
KENNETH M. SWANSON
E - 40476
MADISON
WI
PROFESSIONAL ENGINEER
7/24/12

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Management Consultant	KJOHNSON ENGINEERS, INC.
C.O. Examiner	JE

APPROVED FOR THE DEPARTMENT
DATE: 7/31/12 Kimberly A. Jahn
(Management Consultant Signature)

E

2

GENERAL NOTES

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

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 (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

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

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

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

THE LOCATION AND WIDTH OF DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

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

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

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

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

A UNIT WEIGHT OF 110 POUNDS PER SQUARE YARD PER INCH OF THICKNESS WAS USED TO ESTIMATE ALL ASPHALT QUANTITIES.

FILL QUANTITIES HAVE BEEN EXPANDED BY A FACTOR OF 1.25 ON YARDAGE SHEETS.

COORDINATES AND BEARINGS ON THE PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY ZONE, NAD 83 (2007) ADJUSTMENT. THE ELEVATIONS ARE NAVD88.

5.5-INCH HMA PAVEMENT TYPE E-3 SHALL BE CONSTRUCTED WITH ONE 2.5-INCH 12.5MM UPPER LAYER (PG 64-28) AND ONE 3-INCH 19.0MM LOWER LAYER (PG 64-22).

4.5-INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH ONE 2.25-INCH 12.5MM UPPER LAYER (PG 64-28) AND ONE 2.25-INCH 19.0MM LOWER LAYER (PG 64-22).

3.5-INCH ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES SHALL BE CONSTRUCTED WITH ONE 1.5-INCH UPPER LAYER AND ONE 2-INCH LOWER LAYER.

3-INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH ONE 3-INCH 12.5MM UPPER LAYER (PG 58-28).

ASPHALTIC SURFACE TEMPORARY SHALL BE 5-INCH OVER BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
UTILITY PLAN
LANDSCAPE PLAN
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNALS
TEMPORARY TRAFFIC SIGNALS
PAVEMENT MARKING
CONSTRUCTION STAGING TYPICALS
CONSTRUCTION DETAILS - STAGING
CONSTRUCTION STAGING SHEETS
ALIGNMENT DATA SHEETS
CONTROL POINT DATA SHEETS

ABBREVIATIONS

AFG	ABOVE FINISHED GROUND
B.	BARN
B.P.	BREAK POINT
COR.	CORNER
C.S.C.P.	CORRUGATED STEEL CULVERT PIPE
C.S.P.A.	CORRUGATED STEEL PIPE ARCH
D.H.V.	DESIGN HOURLY VOLUME
V.	DESIGN SPEED
Da	DEGREE OF CURVE
DIA.	DIAMETER
DIM.	DIMENSION
e.	EXTERNAL DISTANCE
E.	EAST
EL. OR ELEV.	ELEVATION
E.S.A.L.	EQUIVALENT SINGLE AXLE LOAD
E.O.P.	EDGE OF PAVEMENT
EXIST.	EXISTING
G.	GARAGE
H.	HOUSE
H.P.	HIGH POINT
H.E.S.	HIGH EARLY STRENGTH
I.P.	IRON PIN
D.	LANE DISTRIBUTION
L.	LENGTH (OF CURVE)
L.H.F.	LEFT HAND FORWARD
L.C.	LONG CHORD
L.P.	LOW POINT
LT.	LEFT
MAX.	MAXIMUM
M.D.	MEDIAN DRAIN
MIN.	MINIMUM
NOR.	NORMAL
N.	NORTH
T.	PERCENT OF TRUCKS
P.L.E.	PERMANENT LIMITED EASEMENT
P.L.	PROPERTY LINE
R.C.A.P.	REINFORCED CONCRETE ARCH PIPE
R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
R.H.F.	RIGHT HAND FORWARD
RD.	ROAD
RT.	RIGHT
R/W	RIGHT-OF-WAY
S.	SHED
SHR.	SHRINKAGE
S.E.	SUPERELEVATION
S.P.B.G.	STEEL PLATE BEAM GUARD
SL. ST.	SLOPED STEEL
TEL.	TELEPHONE
T.L.E.	TEMPORARY LIMITED EASEMENT
TN.	TOWN
T.O.C.	TOP OF CURB
TRANS.	TRANSITION
VOL.	VOLUME
W.	WEST

UTILITIES

AT&T WISCONSIN
ATTENTION: CAROL ANASON
316 W. WASHINGTON AVE.
MADISON, WI 53703
(608) 252-2385
E-MAIL: Ca2624@att.com

CHARTER COMMUNICATIONS
ATTENTION: GLEN JAKUSZ
2701 DANIELS STREET
MADISON, WI 53718
(608) 274-3822 EXT. 6657
E-MAIL: glen.jakusz@chartercom.com

CITY OF MADISON SEWER UTILITY (SANITARY)
ATTENTION: MARK MODER
210 MARTIN LUTHER KING JR. BOULEVARD, RM 115
MADISON, WI 53703
(608) 261-9250
E-MAIL: MModer@cityofmadison.com

CITY OF MADISON SEWER UTILITY (STORM)
ATTENTION: GREG FRIES
210 MARTIN LUTHER KING JR. BOULEVARD, RM 115
MADISON, WI 53703
(608) 267-1199
E-MAIL: gfries@cityofmadison.com

CITY OF MADISON WATER UTILITY
ATTENTION: DENNIS CAWLEY OR TOM ROSEMEYER
119 EAST OLIN AVENUE
MADISON, WI 53713
(608) 261-9243 OR (608) 266-5985
E-MAIL: dcawley@cityofmadison.com OR
trosemeyer@madisonwater.org

CITY OF MADISON TRAFFIC SIGNALS
ATTENTION: BRIAN SMITH
215 MARTIN LUTHER KING JR. BOULEVARD, STE 100
MADISON, WI 53703
(608) 261-9625
E-MAIL: bsmith@cityofmadison.com

METROPOLITAN UNIFIED FIBER NETWORK
ATTENTION: PATRICK L. CHRISTIAN
1210 W. DAYTON ST.
MADISON, WI 53706
(608) 265-9699
E-MAIL: patrick.christian@doit.wisc.edu

CITY OF MONONA
ATTENTION: DANIEL STEPHANY
5211 SCHLUTER ROAD
MONONA, WI 53716
(608) 222-2525
E-MAIL: Dstephany@ci.monona.wi.us

MADISON GAS & ELECTRIC (GAS)
ATTENTION: LARRY CAPPS
133 S. BLAIR STREET
MADISON, WI 53703
EMERGENCIES (608) 252-1111
(608) 252-7224
E-MAIL: lcapps@mge.com

MADISON GAS & ELECTRIC (ELECTRIC)
ATTENTION: TIM COLE
133 S. BLAIR STREET
MADISON, WI 53703
(608) 252-4709
E-MAIL: tcole@mge.com

MADISON METROPOLITAN SEWERAGE DISTRICT
ATTENTION: ERIC HJELLEN
1610 MOORLAND ROAD
MADISON, WI 53713
(608) 222-1201
erich@madsewer.org

TDS TELECOM
ATTENTION: JERRY MYERS
525 JUNCTION ROAD, 5TH FLOOR
MADISON, WI 53717
(608) 664-4404
E-MAIL: jerry.myers@tdstelecom.com

US SIGNAL
ATTENTION: CHRIS LENTINE
2011 ONIA AVE. SW
GRAND RAPIDS, MI 49503
(866) 274-4625
E-MAIL: clentine@ussignalcom.com

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Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

DESIGN CONTACT

KEN SWANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: ken.swanson@strand.com

DNR LIAISON

AMANDA CUSHMAN
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711-5397
(608) 275-3485
E-MAIL: amanda.cushman@wisconsin.gov

CITY OF MONONA CONTACT

DANIEL STEPHANY
5211 SCHLUTER ROAD
MONONA, WI 53716
(608) 222-2525
E-MAIL: Dstephany@ci.monona.wi.us

CITY OF MADISON CONTACT

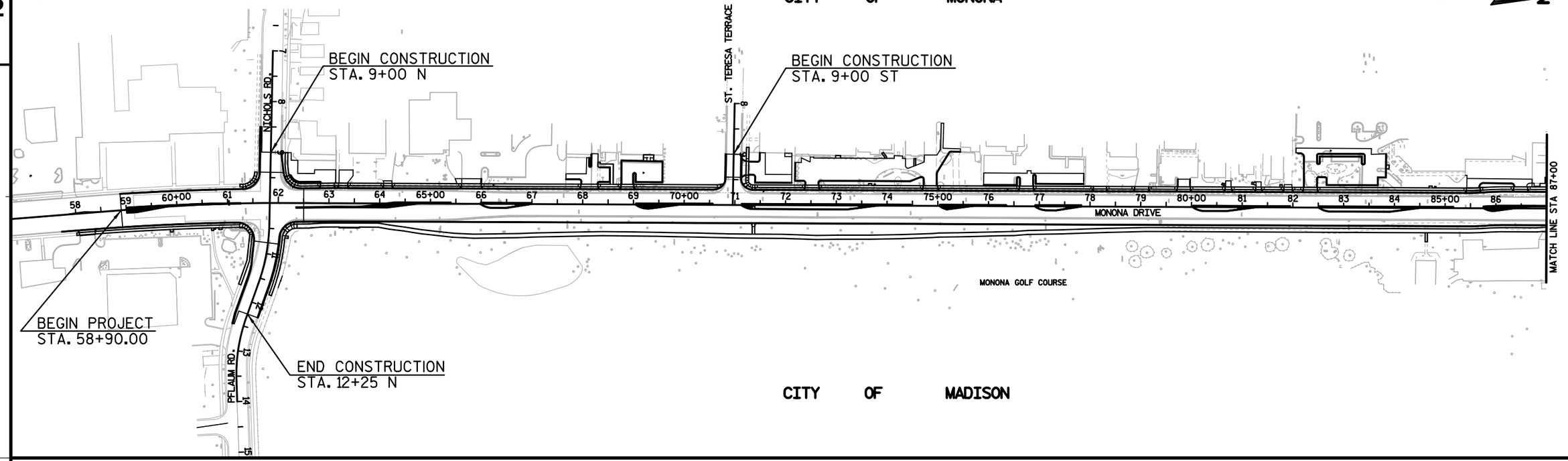
CHRISTY BACHMANN
210 MARTIN LUTHER KING JR. BOULEVARD
MADISON, WI 53703
(608) 266-4095
E-MAIL: CBachmann@cityofmadison.com

DANE COUNTY CONTACT

PAM DUNPHY
2302 FISH HATCHERY ROAD
MADISON, WI 53713
(608) 266-4036
E-MAIL: Dunphy@co.dane.wi.us

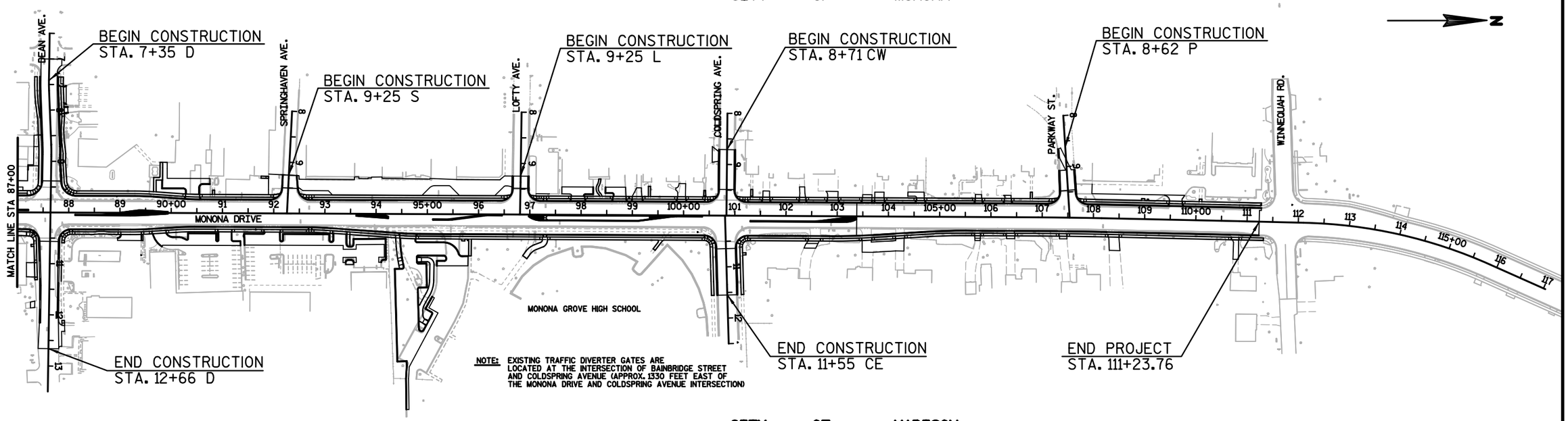
ID: 5994-00-77 IS FOR SANITARY SEWER CONSTRUCTION
ID: 5944-00-78 IS FOR WATER MAIN CONSTRUCTION

CITY OF MONONA



CITY OF MADISON

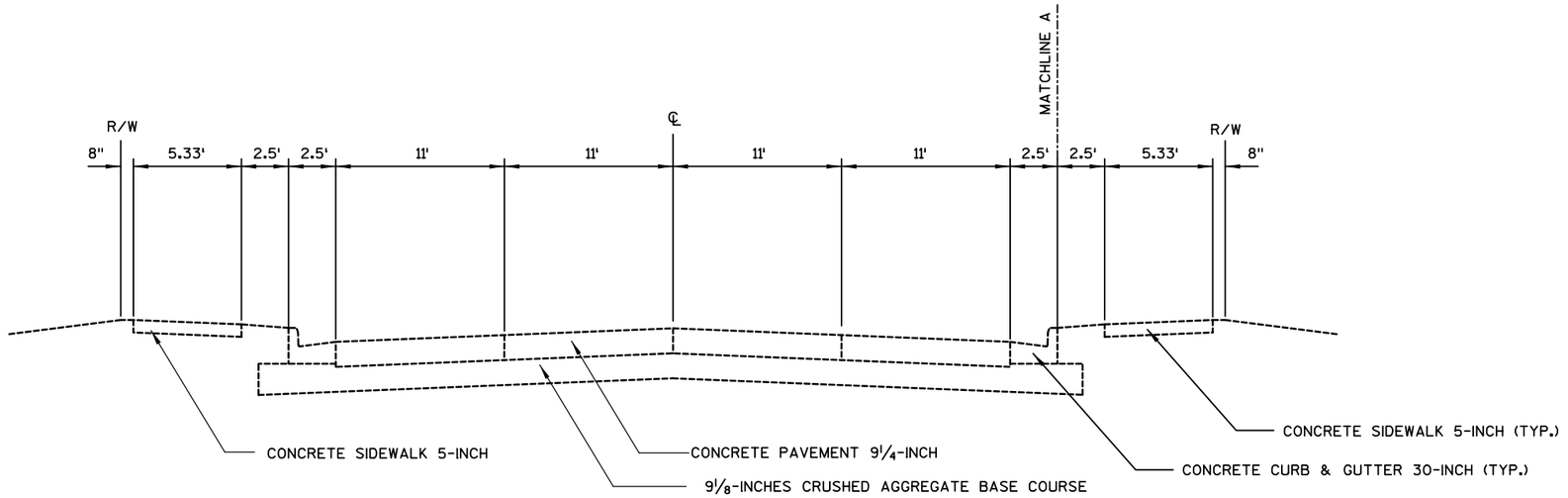
CITY OF MONONA

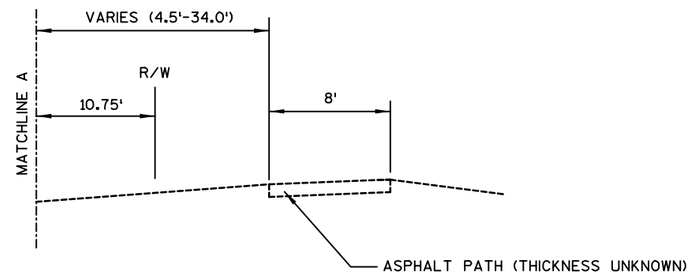


NOTE: EXISTING TRAFFIC DIVERTER GATES ARE LOCATED AT THE INTERSECTION OF BAINBRIDGE STREET AND COLDSPRING AVENUE (APPROX. 1330 FEET EAST OF THE MONONA DRIVE AND COLDSPRING AVENUE INTERSECTION)

CITY OF MADISON

PROJECT NO: 5994-00-72/77/78	HWY: MONONA DRIVE	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E



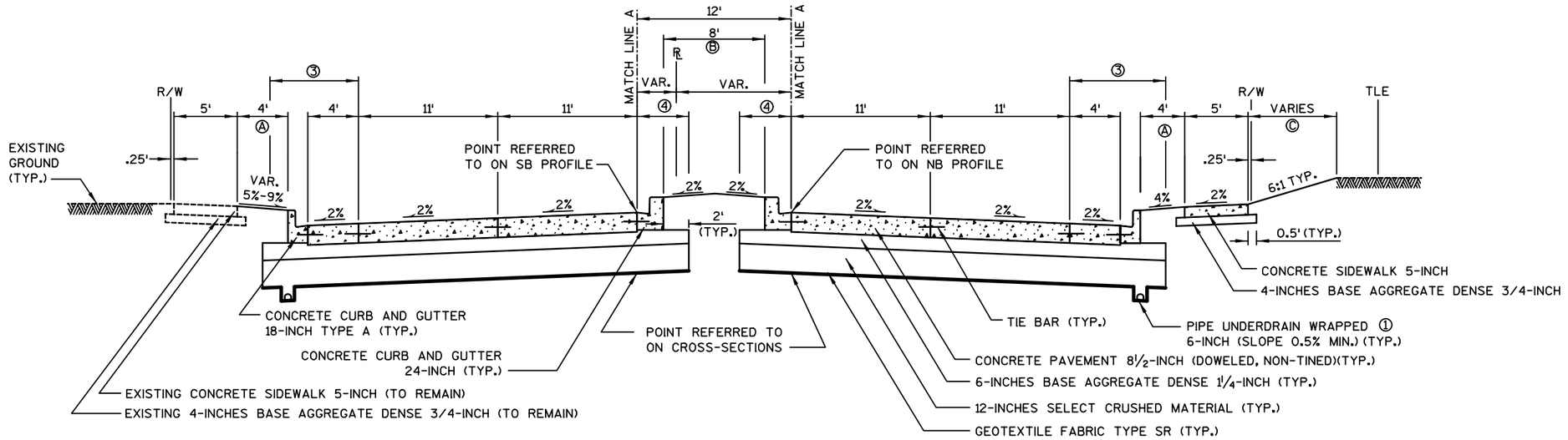


STA. 62+34 - STA. 87+16

EXISTING TYPICAL SECTION - MONONA DRIVE

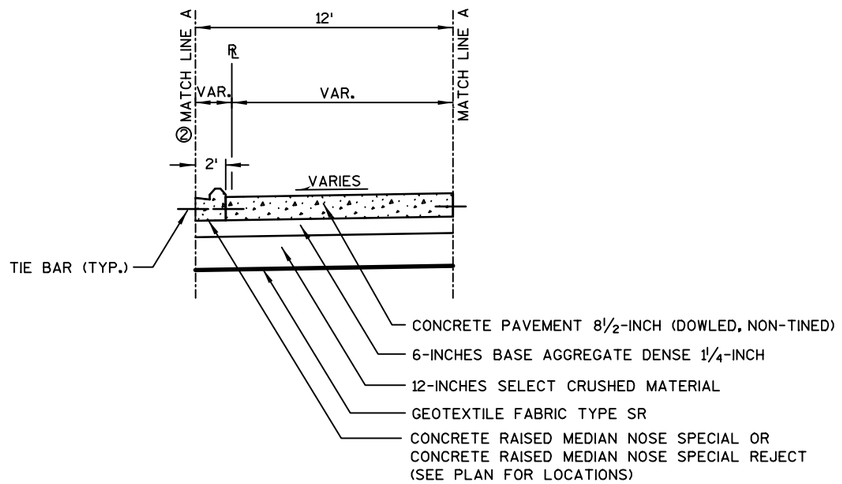
STA. 58+90 - STA. 111+23.76

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 4	E



TYPICAL FINISHED SECTION
MONONA DRIVE

STA. 58+90 TO STA. 62+50



STA. 59+95 - STA. 61+26
STA. 62+35 - STA. 62+50

① INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

② REVERSED FOR SOUTHBOUND LEFT TURN LANE

③ 7' LATERAL CLEARANCE DES./MIN.

④ 4' LATERAL CLEARANCE DES./MIN.

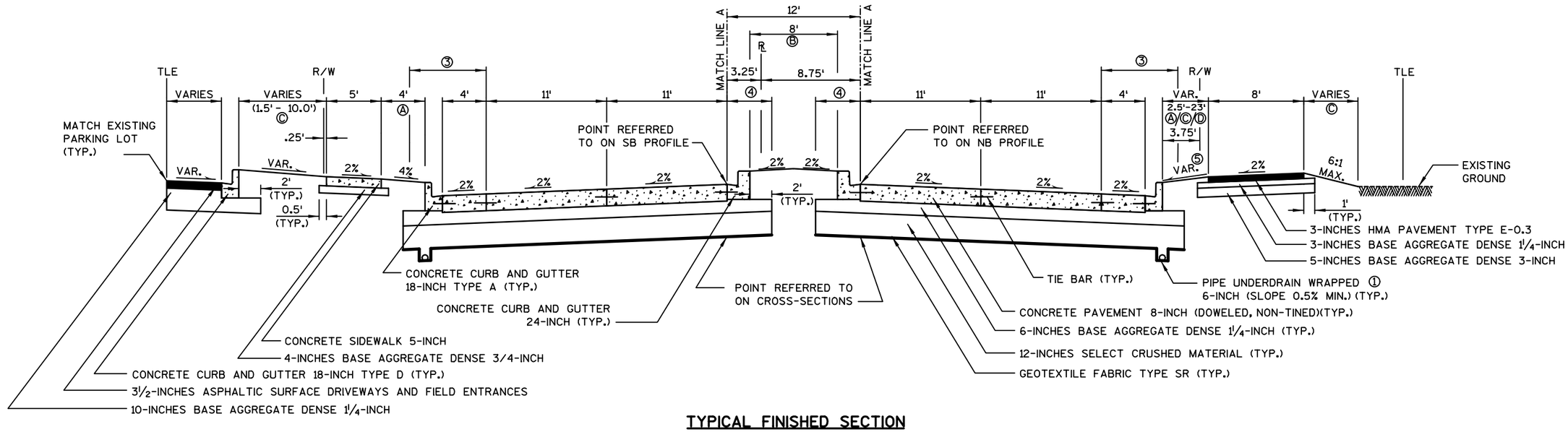
Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION

Ⓑ TOPSOIL; FERTILIZER TYPE B; SOD LAWN WHEN MEDIAN IS GREATER THAN 5' WIDE (B.O.C. TO B.O.C.), UNLESS OTHERWISE NOTED. SEE LANSCAPING PLAN FOR ADDITIONAL INFORMATION.

STAMPED CONCRETE SIDEWALK 4-INCH WHEN MEDIAN IS 5' OR LESS (B.O.C. TO B.O.C.), UNLESS OTHERWISE NOTED. COLORING CONCRETE MONONA DRIVE RED REQ'D.

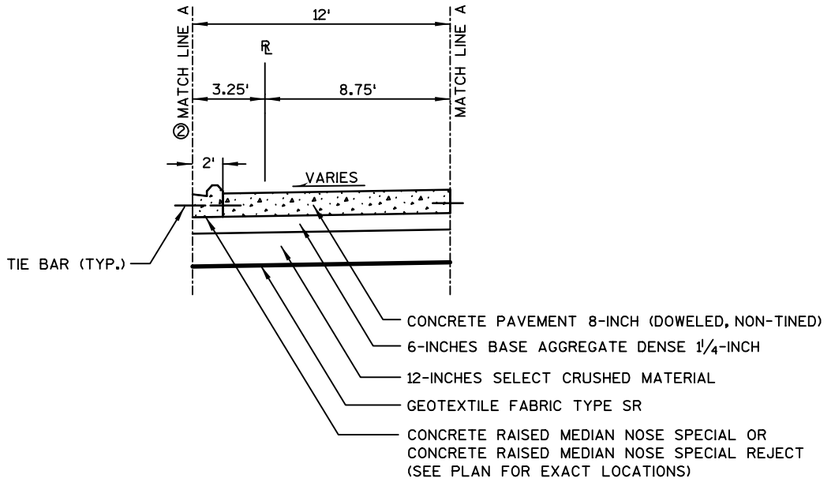
Ⓒ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND MULCHING. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E



TYPICAL FINISHED SECTION
MONONA DRIVE

STA. 62+50 TO STA. 85+43



STA. 62+50 - STA. 63+55
STA. 64+90 - STA. 65+40
STA. 70+06 - STA. 70+56
STA. 73+97 - STA. 74+47
STA. 75+85 - STA. 76+35
STA. 81+44 - STA. 81+94
STA. 84+66 - STA. 85+16

① INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

② REVERSED FOR SOUTHBOUND LEFT TURN LANE

③ 7' LATERAL CLEARANCE DES./MIN.

④ 4' LATERAL CLEARANCE DES./MIN.

⑤ 16.7% MAX SLOPE 2' ADJACENT TO EDGE OF PATH

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION

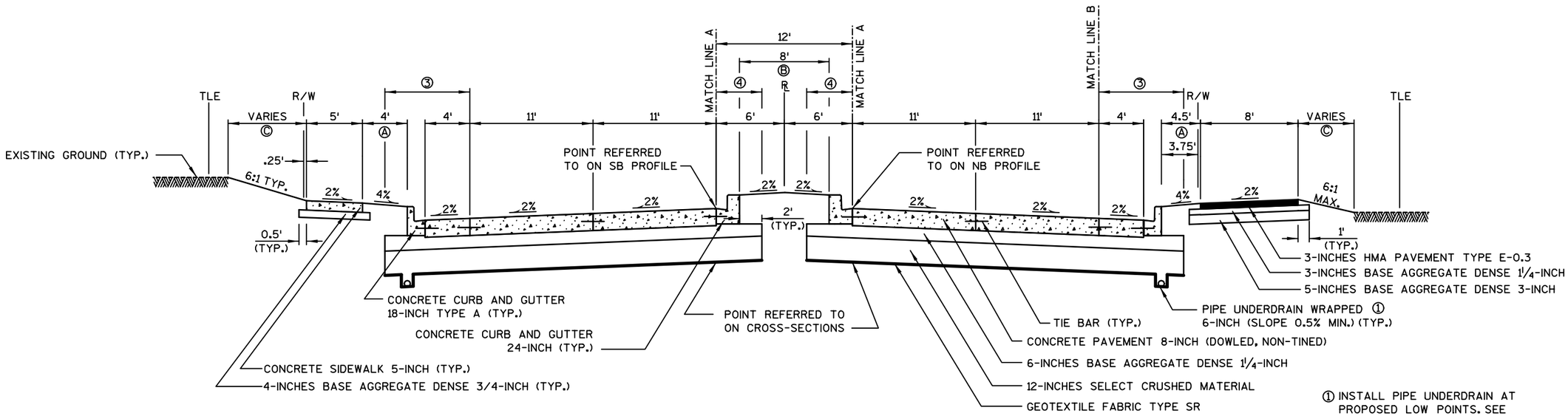
Ⓑ TOPSOIL; FERTILIZER TYPE B; SOD LAWN WHEN MEDIAN IS GREATER THAN 5' WIDE (B.O.C. TO B.O.C.), UNLESS OTHERWISE NOTED. SEE LANSCAPING PLAN FOR ADDITIONAL INFORMATION.

STAMPED CONCRETE SIDEWALK 4-INCH WHEN MEDIAN IS 5' OR LESS (B.O.C. TO B.O.C.), UNLESS OTHERWISE NOTED. COLORING CONCRETE MONONA DRIVE RED REQ'D.

Ⓒ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND MULCHING. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

Ⓓ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 6	E



TYPICAL FINISHED SECTION
MONONA DRIVE

STA. 85+43 - STA. 90+55

① INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

② REVERSED FOR SOUTHBOUND LEFT TURN LANE

③ 7' LATERAL CLEARANCE DES./MIN.

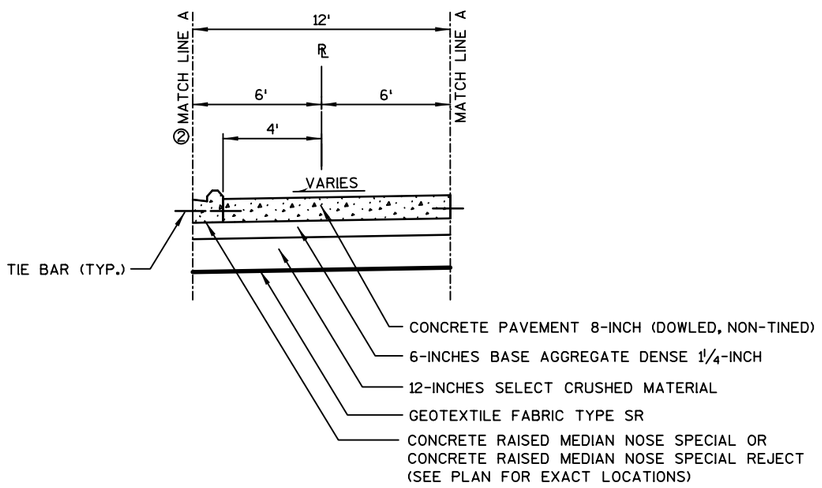
④ 4' LATERAL CLEARANCE DES./MIN.

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION

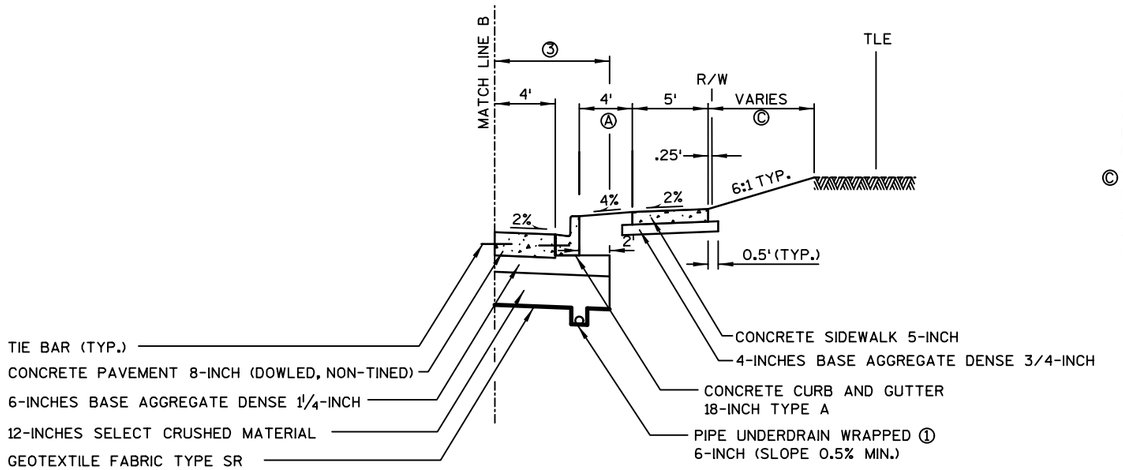
Ⓑ TOPSOIL; FERTILIZER TYPE B; SOD LAWN WHEN MEDIAN IS GREATER THAN 5' WIDE (B.O.C. TO B.O.C.), UNLESS OTHERWISE NOTED. SEE LANSCAPING PLAN FOR ADDITIONAL INFORMATION.

STAMPED CONCRETE SIDEWALK 4-INCH WHEN MEDIAN IS 5' OR LESS (B.O.C. TO B.O.C.), UNLESS OTHERWISE NOTED. COLORING CONCRETE MONONA DRIVE RED REQ'D.

Ⓒ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND MULCHING. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

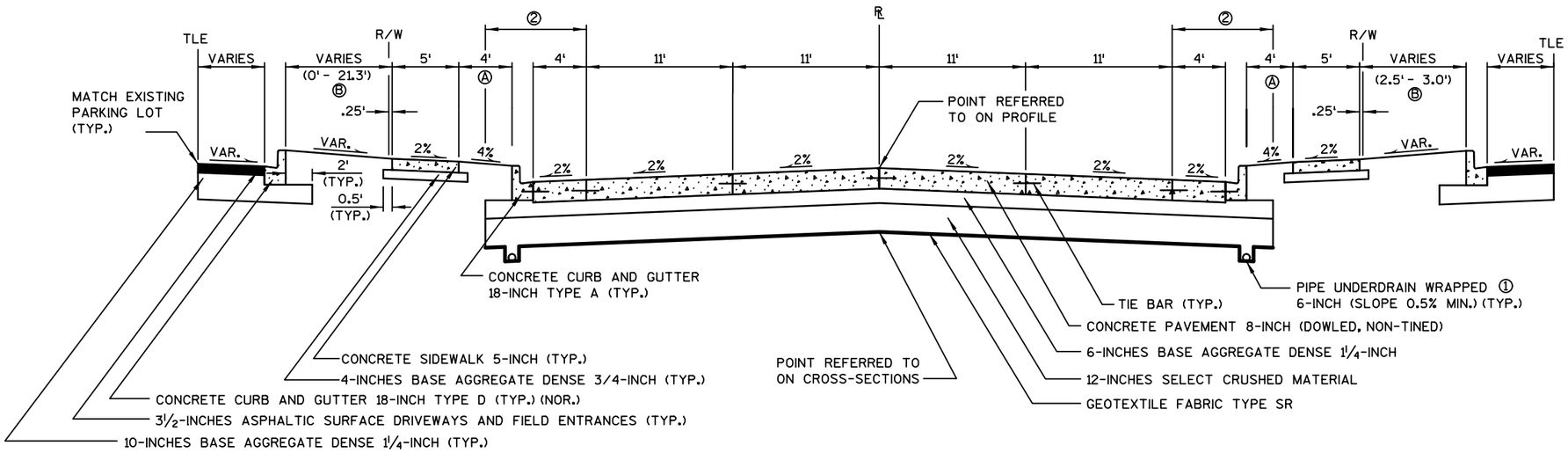


STA. 86+71 - STA. 87+21
STA. 88+12 - STA. 88+62



STA. 87+18 - STA. 90+55

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 7	E



TYPICAL FINISHED SECTION
MONONA DRIVE

STA. 90+55 TO STA. 92+70

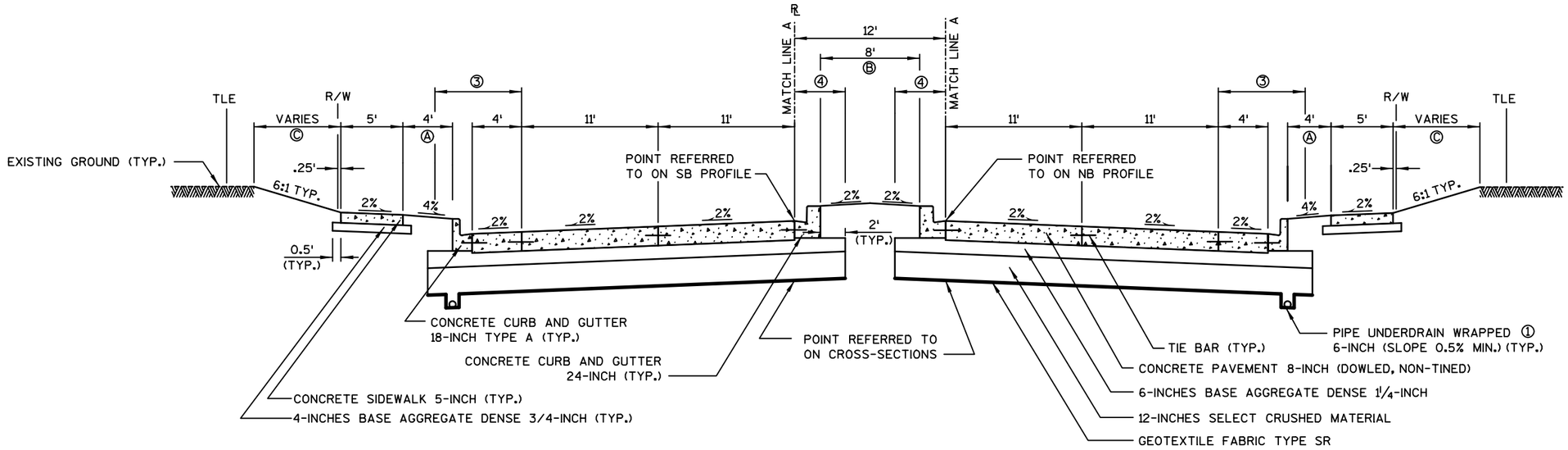
① INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

② 7' LATERAL CLEARANCE DES./MIN.

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

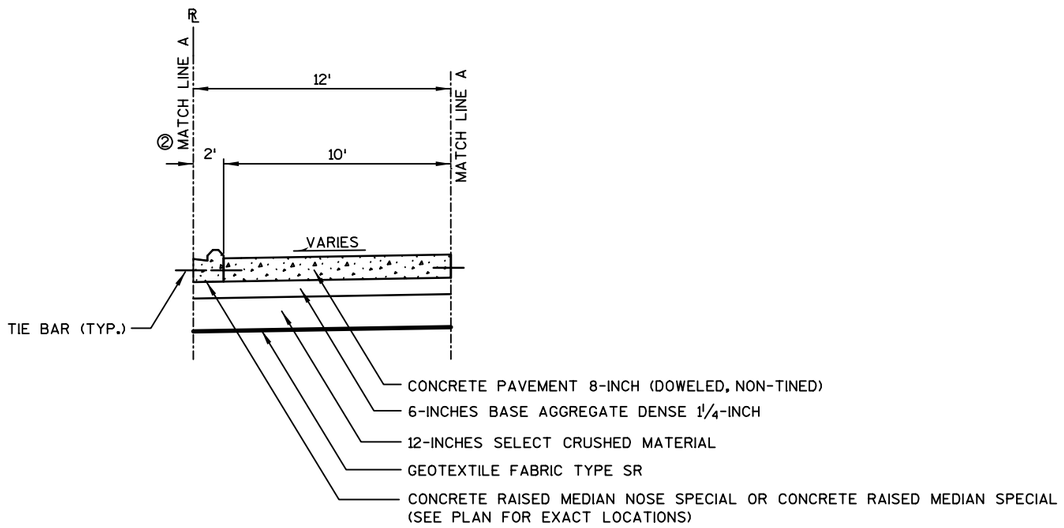
Ⓑ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND MULCHING. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E



TYPICAL FINISHED SECTION
MONONA DRIVE

STA. 92+70 - STA. 103+38



STA. 95+11 - STA. 95+41
STA. 96+16 - STA. 96+46
STA. 99+86 - STA. 100+36
STA. 101+31 - STA. 102+56

① INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

② REVERSED FOR SOUTHBOUND LEFT TURN LANE

③ 7' LATERAL CLEARANCE DES./MIN.

④ 4' LATERAL CLEARANCE DES./MIN.

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION

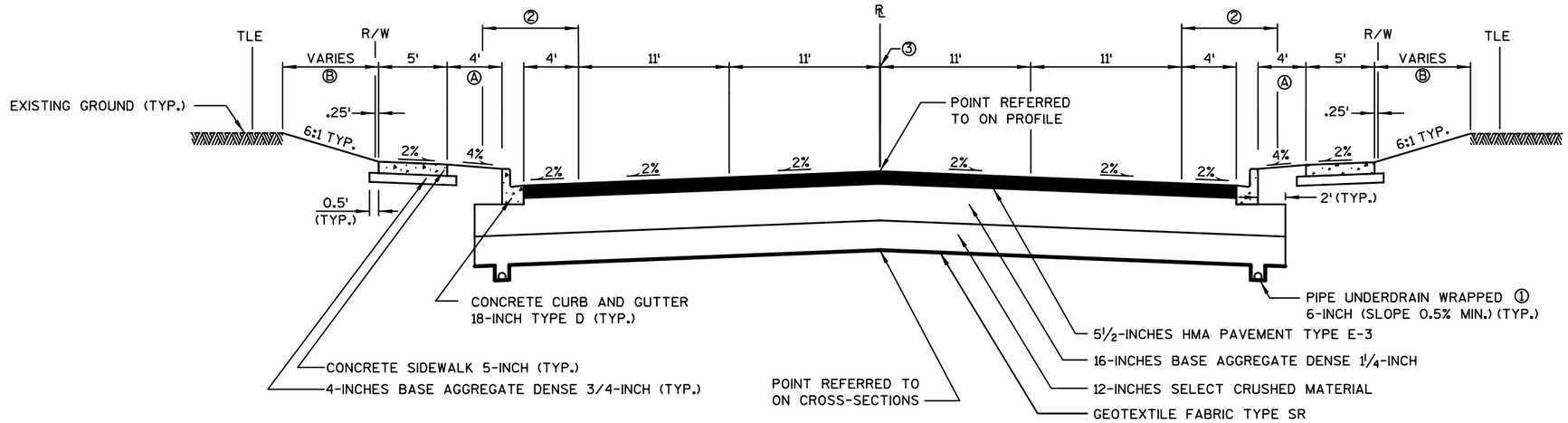
Ⓑ TOPSOIL; FERTILIZER TYPE B; SOD LAWN WHEN MEDIAN IS GREATER THAN 5' WIDE (B.O.C. TO B.O.C.). SEE LANSCAPING PLAN FOR ADDITIONAL INFORMATION.

STAMPED CONCRETE SIDEWALK 4-INCH WHEN MEDIAN IS 5' OR LESS (B.O.C. TO B.O.C.). COLORING CONCRETE MONONA DRIVE RED REQ'D.

Ⓒ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND MULCHING. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E

2



TYPICAL FINISHED SECTION
MONONA DRIVE

STA. 103+38 to STA. 111+23.76

① INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

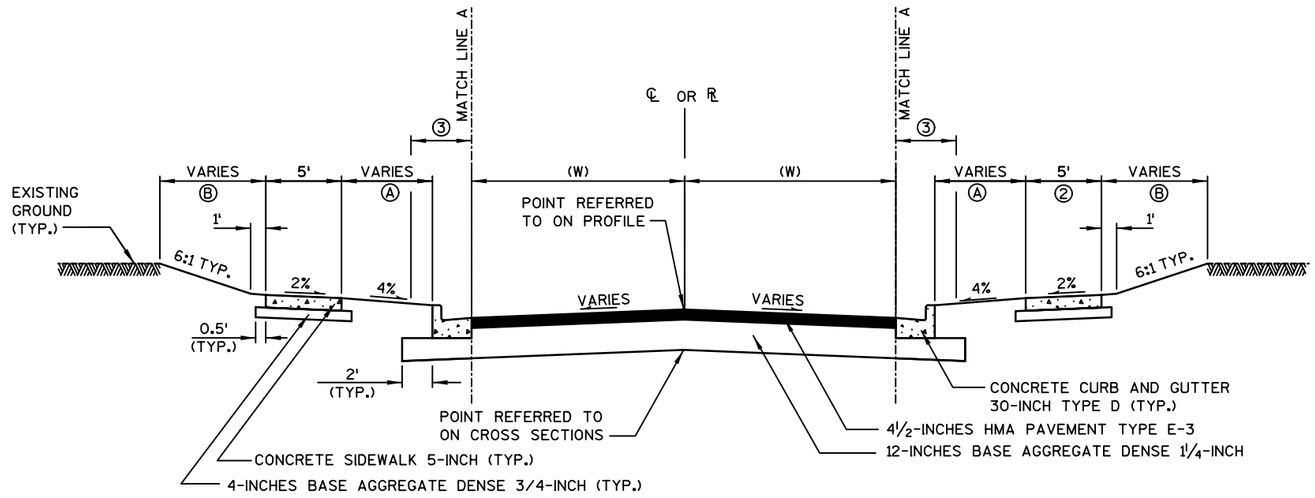
② 7' LATERAL CLEARANCE DES./MIN.

③ FLUSH ASPHALT PAVEMENT MEDIAN VARIES 11.1' TO 0' FROM STA. 103+38 TO STA. 105+51.

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

Ⓑ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND MULCHING. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 10	E



TYPICAL FINISHED SECTION
SIDEROADS

PFLAUM ROAD (EAST) (W(LT)=20'/W(RT)=22')
NICHOLS ROAD (WEST) (W=20')
ST. TERESA TERRACE (WEST) (W=14')
DEAN AVENUE (WEST) (W=16')
DEAN AVENUE (EAST) (W=16')
SPRINGHAVEN AVENUE (WEST) (W(RT)=11'/W(LT)=VARIES 14.5'-17.7')
LOFTY AVENUE (WEST) (W=14')
COLDSPRING AVENUE (WEST) (W=14')
COLDSPRING AVENUE (EAST) (W=18')
PARKWAY STREET (WEST) (W=VARIES 13'-14')

NOTE: CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII

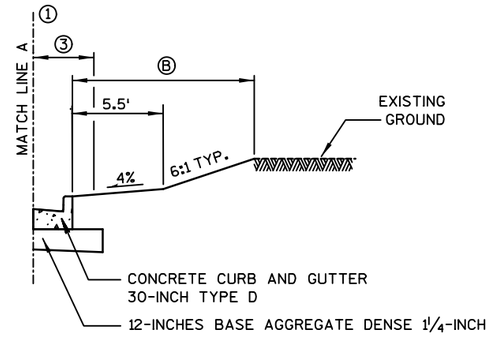
① LEFT SIDE IS A MIRROR IMAGE.

② DEAN AVENUE: STA. 8+14 D - STA. 9+38 D RT 6-FOOT-WIDE SIDEWALK ADJACENT TO CONCRETE CURB AND GUTTER

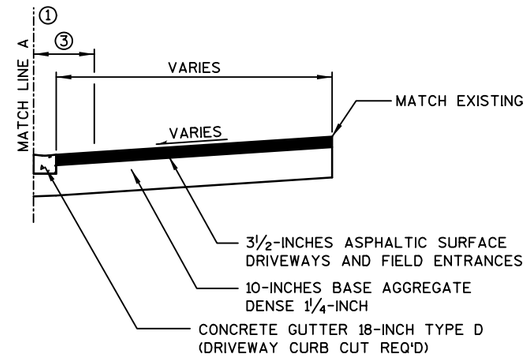
③ 4' LATERAL CLEARANCE DES./MIN.

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

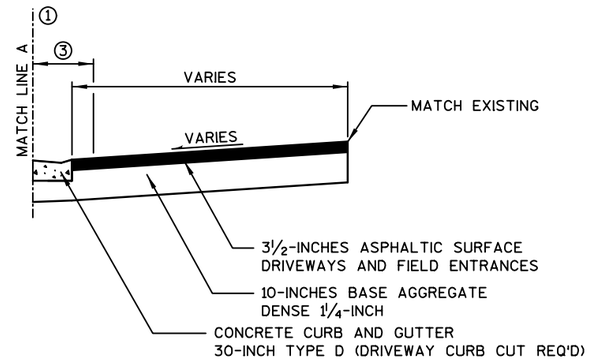
Ⓑ TOPSOIL; SEEDING TEMPORARY; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND MULCHING. SEE LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.



ST. TERESA TERRACE (WEST) (RT)
LOFTY AVENUE (WEST) (LT)
COLDSPRING (WEST) (RT/LT)
PARKWAY STREET (WEST) (RT/LT)

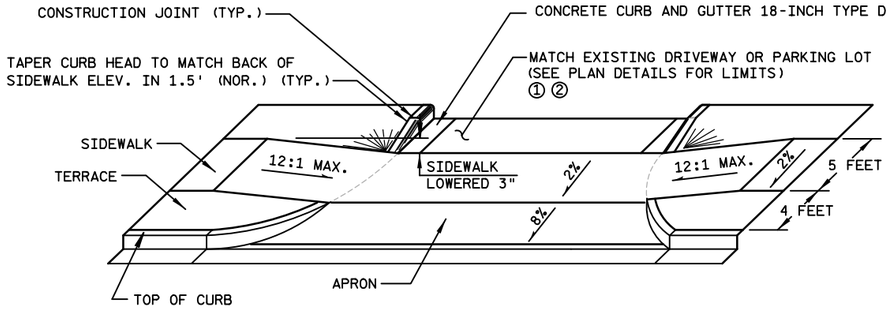


SPRINGHAVEN AVENUE (WEST) (RT/LT)

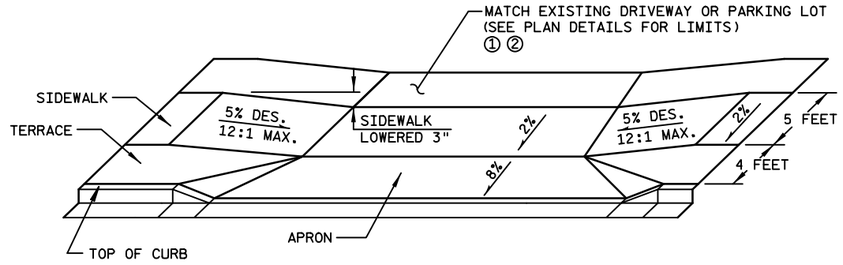


LOFTY AVENUE (WEST) (RT)

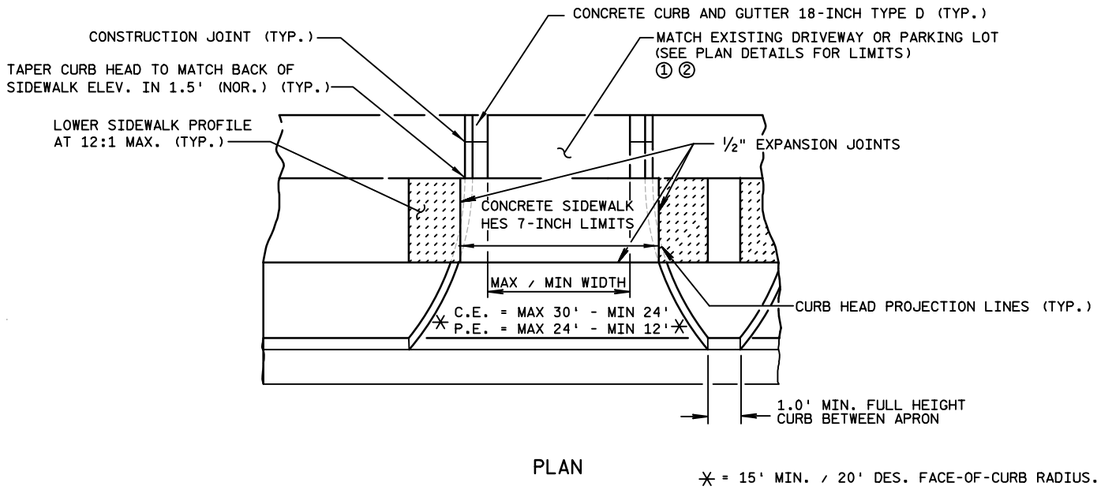
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 11	E



LOWERING SIDEWALK AT DRIVEWAY APRONS

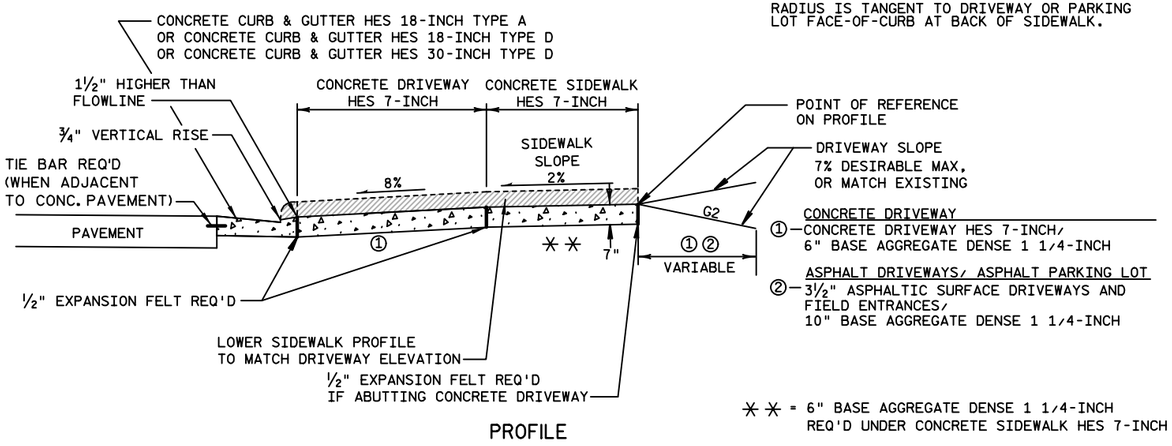


LOWERING SIDEWALK AT DRIVEWAY APRONS



PLAN

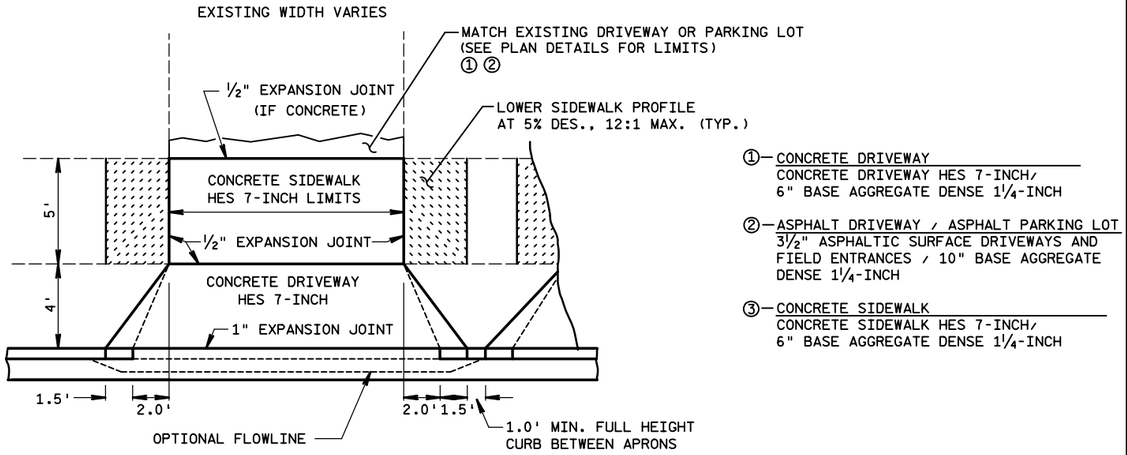
✳ = 15' MIN. / 20' DES. FACE-OF-CURB RADIUS.
RADIUS IS TANGENT TO DRIVEWAY OR PARKING LOT FACE-OF-CURB AT BACK OF SIDEWALK.



PROFILE

✳✳ = 6" BASE AGGREGATE DENSE 1 1/4-INCH REQ'D UNDER CONCRETE SIDEWALK HES 7-INCH

DRIVEWAY ENTRANCE DETAIL WITH 4-FOOT TERRACE (STATION LT)

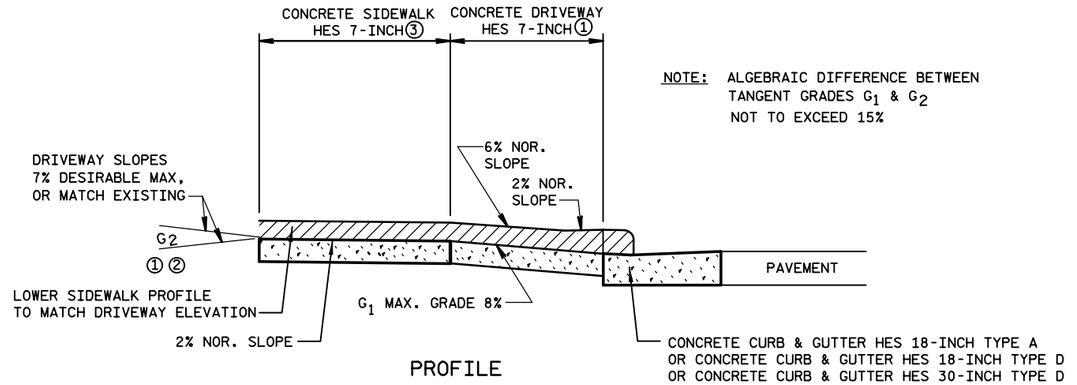


① CONCRETE DRIVEWAY
CONCRETE DRIVEWAY HES 7-INCH/ 6" BASE AGGREGATE DENSE 1¼-INCH

② ASPHALT DRIVEWAY / ASPHALT PARKING LOT
3½" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES / 10" BASE AGGREGATE DENSE 1¼-INCH

③ CONCRETE SIDEWALK
CONCRETE SIDEWALK HES 7-INCH/ 6" BASE AGGREGATE DENSE 1¼-INCH

PLAN

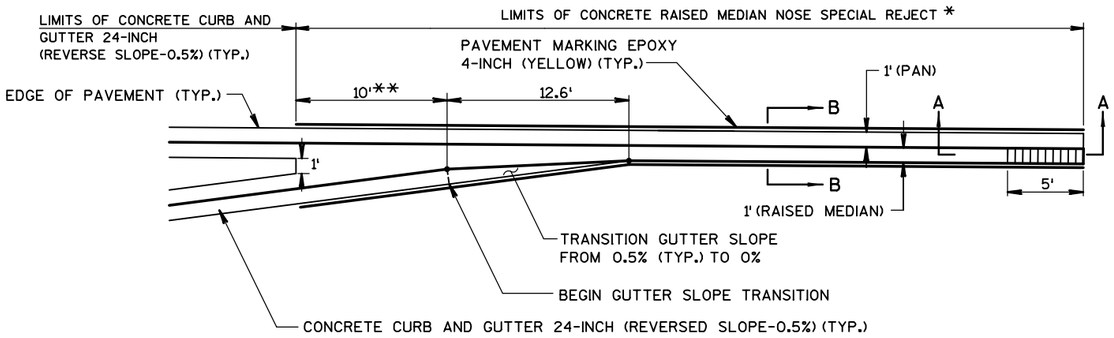


PROFILE

DRIVEWAY ENTRANCE DETAIL WITH 4-FOOT TERRACE (STATION RT)

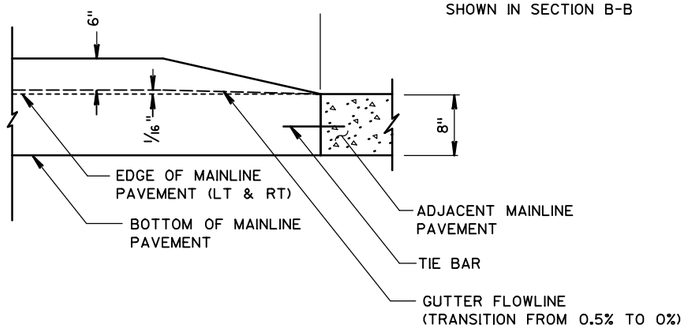
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\021001_cd.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

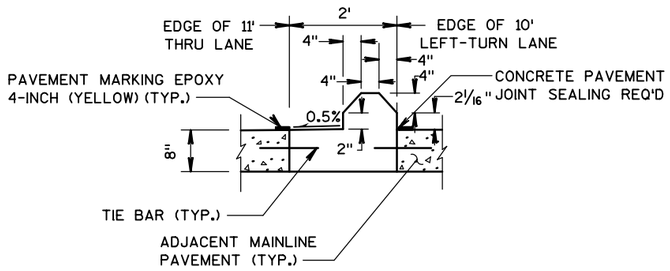


* COLORING CONCRETE MONONA DRIVE RED REQ'D

** TRANSITION CONCRETE CURB FACE FROM A VERTICAL FACE TO A SLOPED FACE AS SHOWN IN SECTION B-B



SECTION A-A

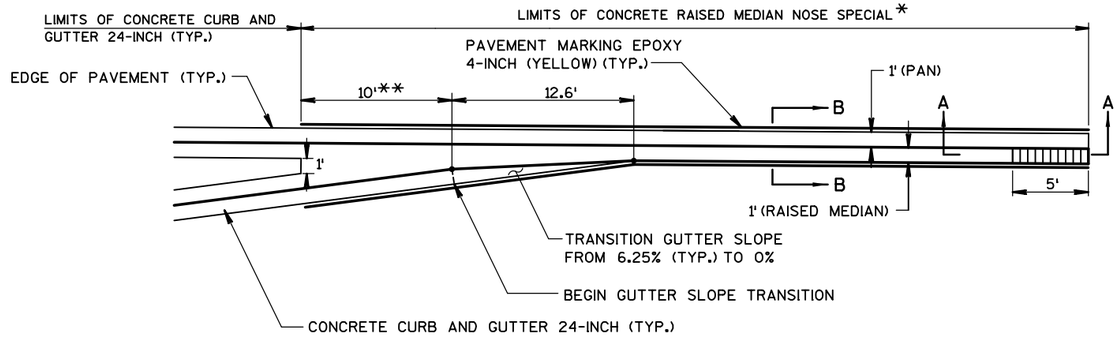


SECTION B-B

SEE S.D.D. "CONCRETE MEDIAN NOSE" FOR ADDITIONAL INFORMATION

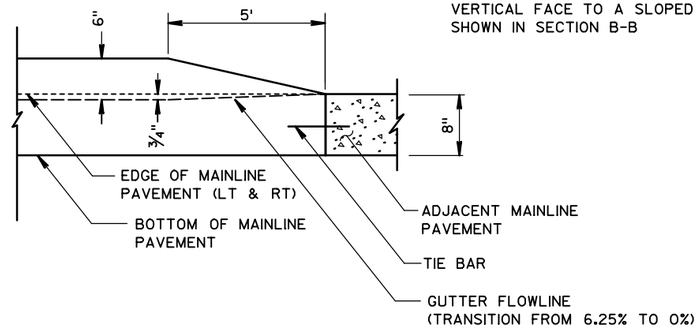
SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR ADDITIONAL INFORMATION

CONCRETE RAISED MEDIAN NOSE SPECIAL REJECT

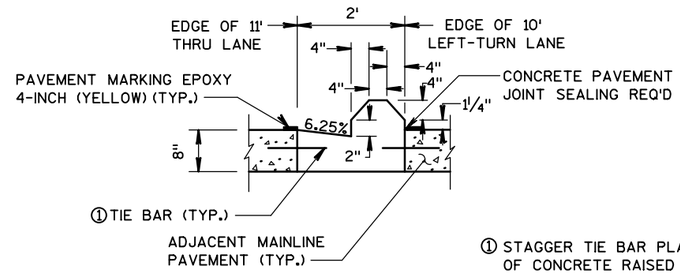


* COLORING CONCRETE MONONA DRIVE RED REQ'D

** TRANSITION CONCRETE CURB FACE FROM A VERTICAL FACE TO A SLOPED FACE AS SHOWN IN SECTION B-B



SECTION A-A



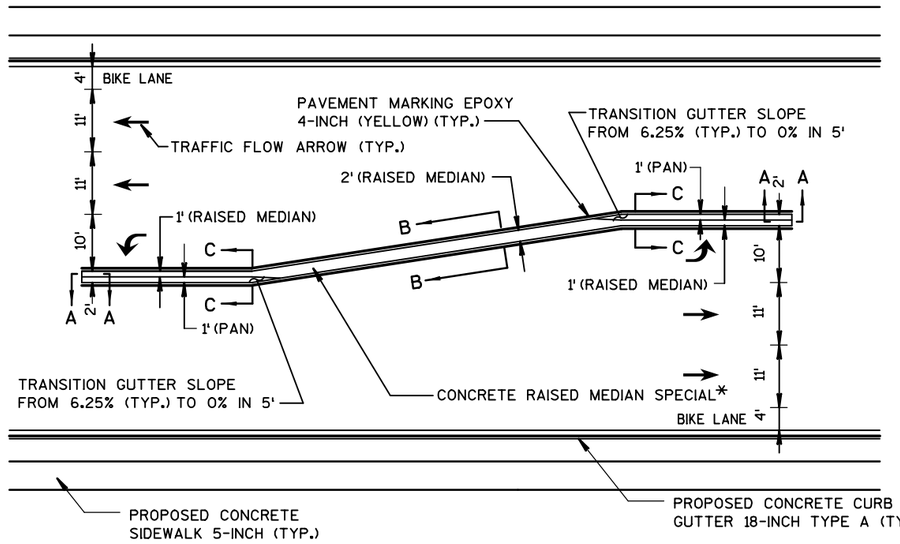
① STAGGER TIE BAR PLACEMENT ON RT AND LT SIDE OF CONCRETE RAISED MEDIAN NOSE SPECIAL.

SECTION B-B

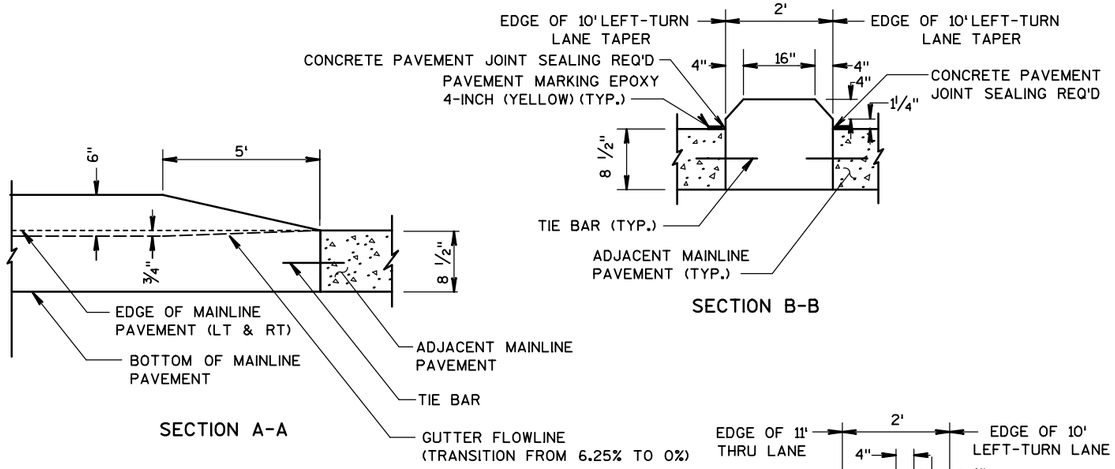
SEE S.D.D. "CONCRETE MEDIAN NOSE" FOR ADDITIONAL INFORMATION

SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR ADDITIONAL INFORMATION

CONCRETE RAISED MEDIAN NOSE SPECIAL



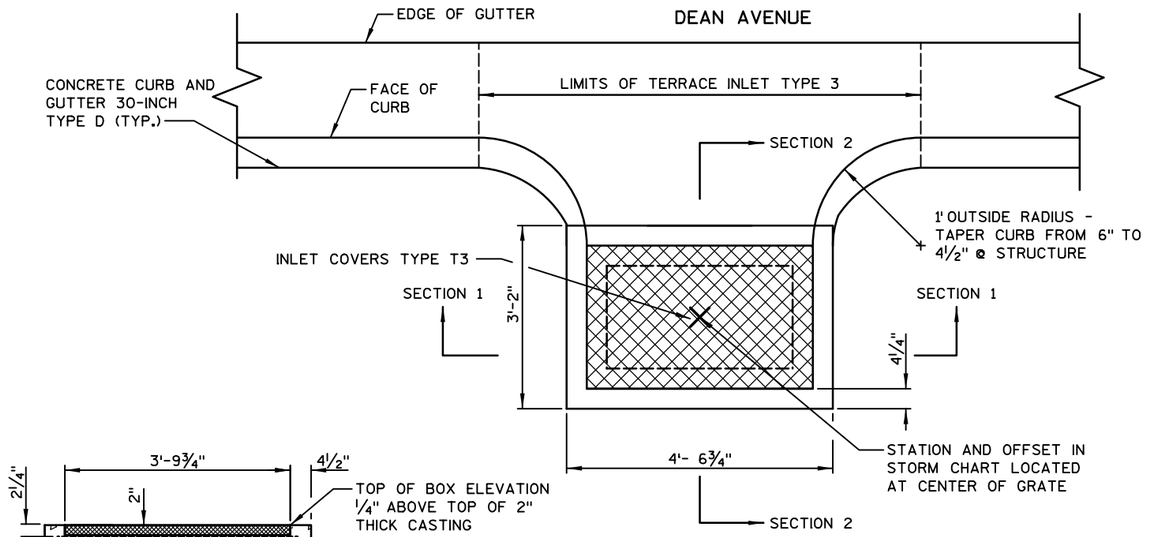
* COLORING CONCRETE MONONA DRIVE RED REQ'D



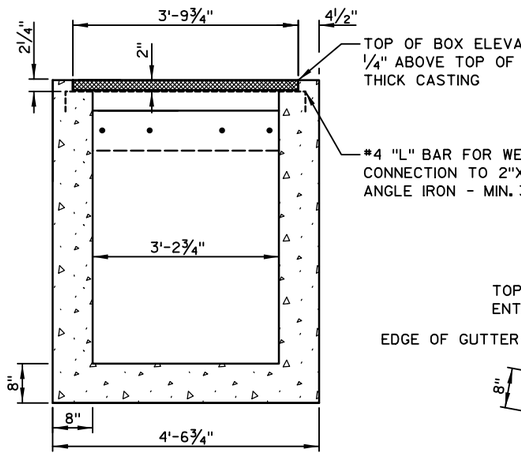
SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR ADDITIONAL INFORMATION

CONCRETE RAISED MEDIAN SPECIAL

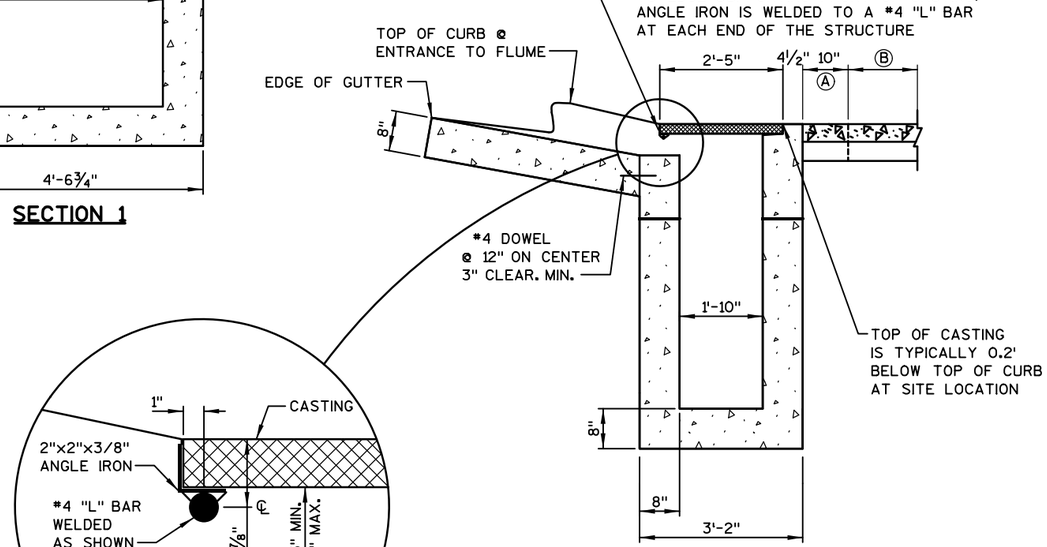
STATION 95+11 TO STATION 96+46



PLAN VIEW



SECTION 1



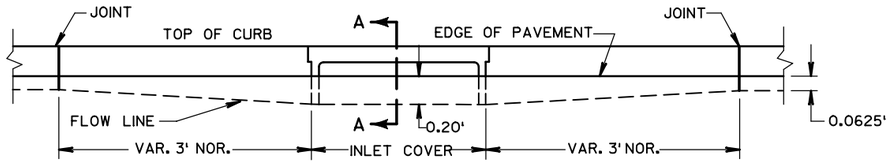
SECTION 2

Ⓐ PLACE CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 3/4-INCH BETWEEN INLET STRUCTURE AND ROADWAY SIDEWALK

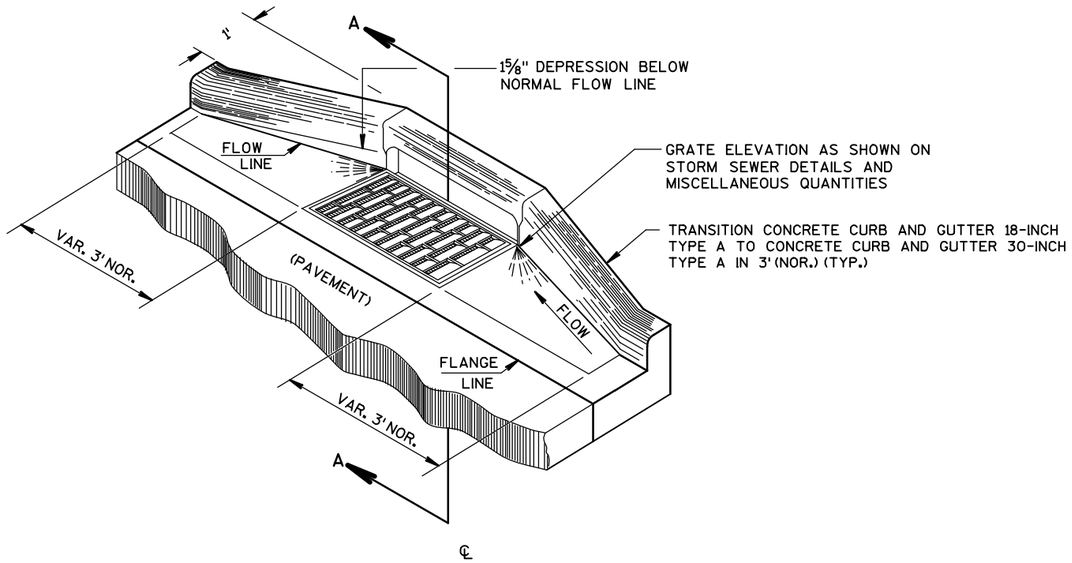
Ⓐ CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 3/4-INCH (REFER TO PLAN DETAILS FOR ADDITIONAL INFORMATION)

TERRACE INLET TYPE 3

STATION 10+73 D, 20.6' RT



ELEVATION

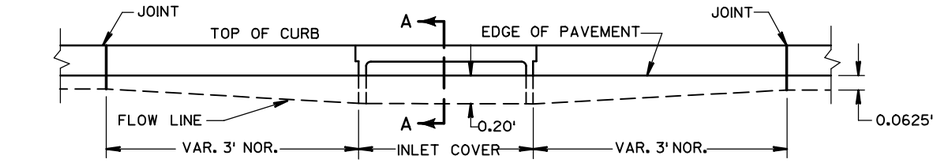


SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

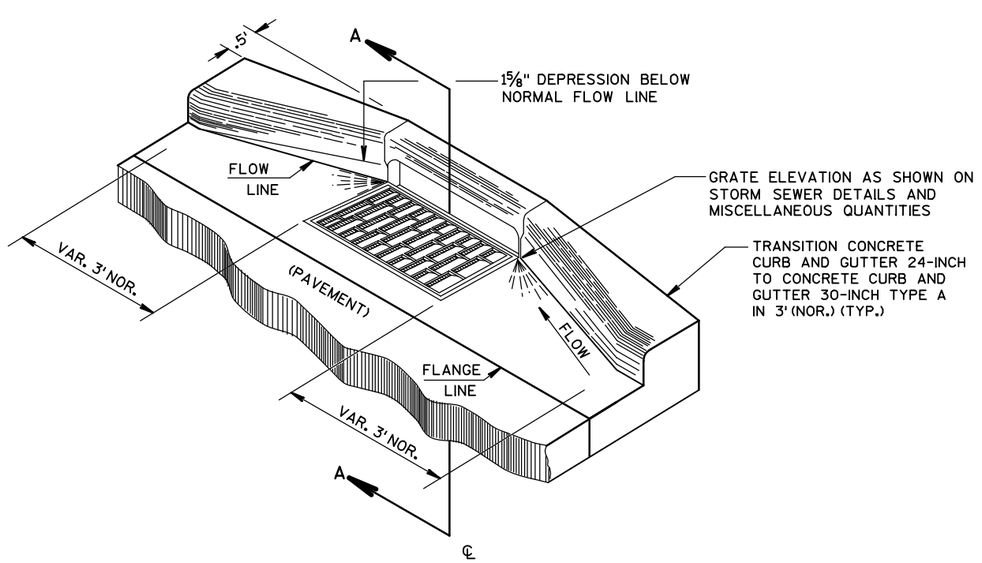
① PIPE UNDERDRAIN WRAPPED 6-INCH SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

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

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



ELEVATION

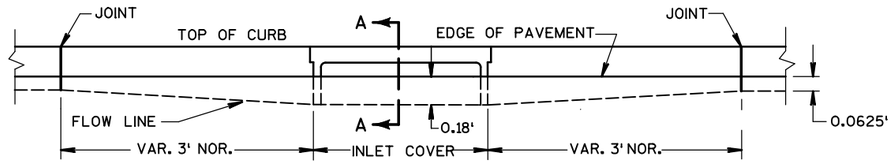


SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

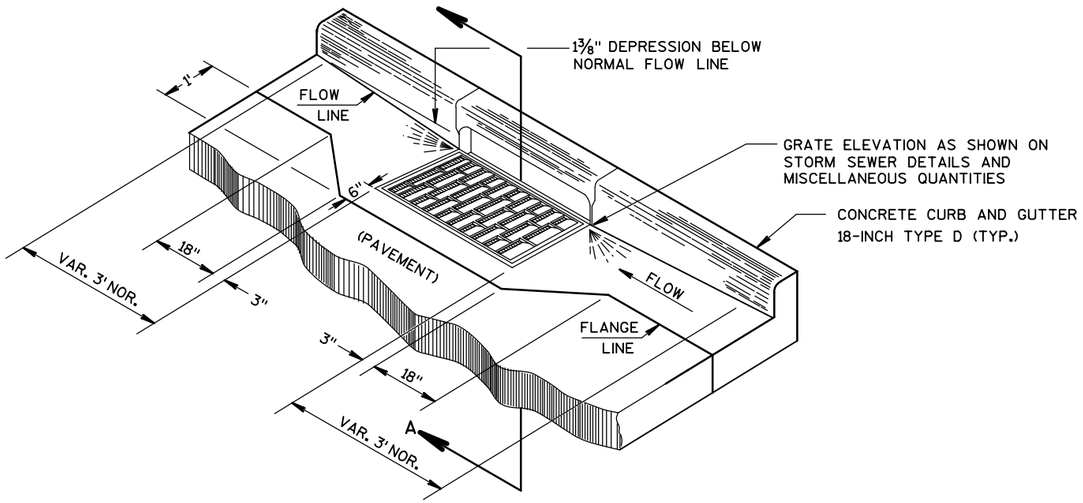
① PIPE UNDERDRAIN WRAPPED 6-INCH SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS.

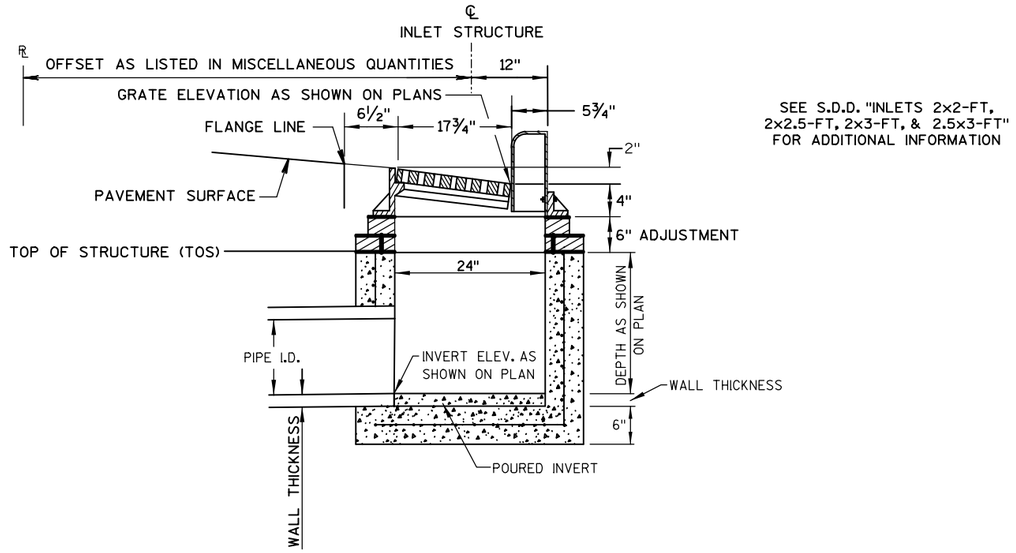
SECTION A-A
(INLETS 2X3-FT - H SHOWN)

DETAIL OF CONCRETE CURB AND GUTTER 24-INCH AT INLETS - MAINLINE



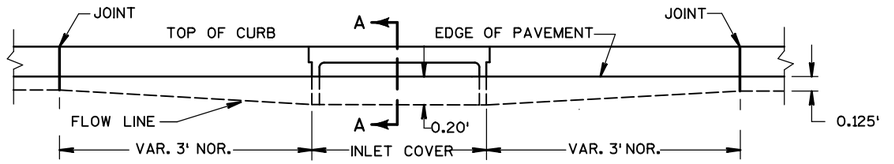
ELEVATION



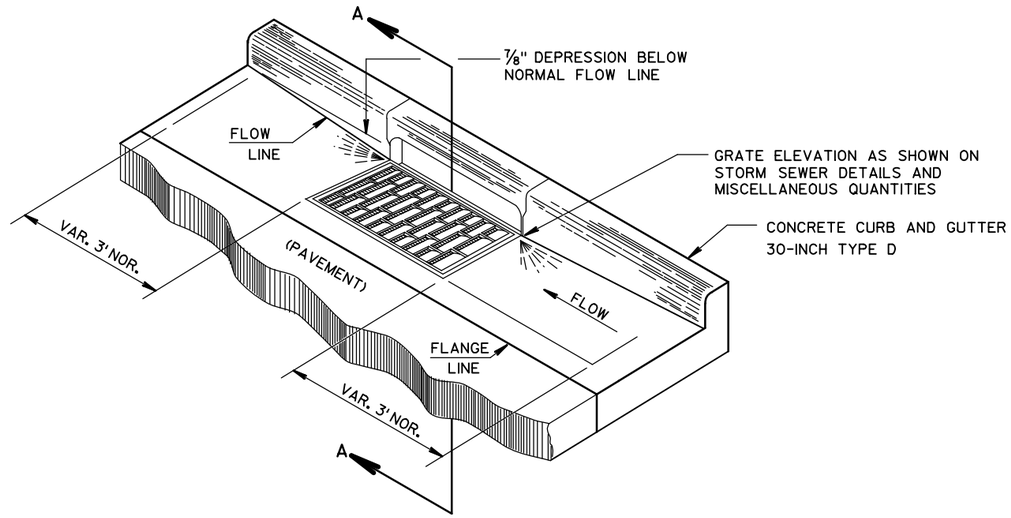


SECTION A-A
(INLETS 2X3-FT - H SHOWN)

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

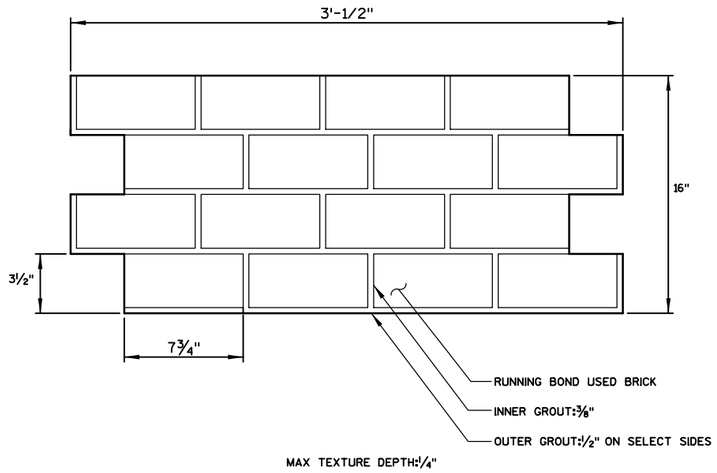


ELEVATION

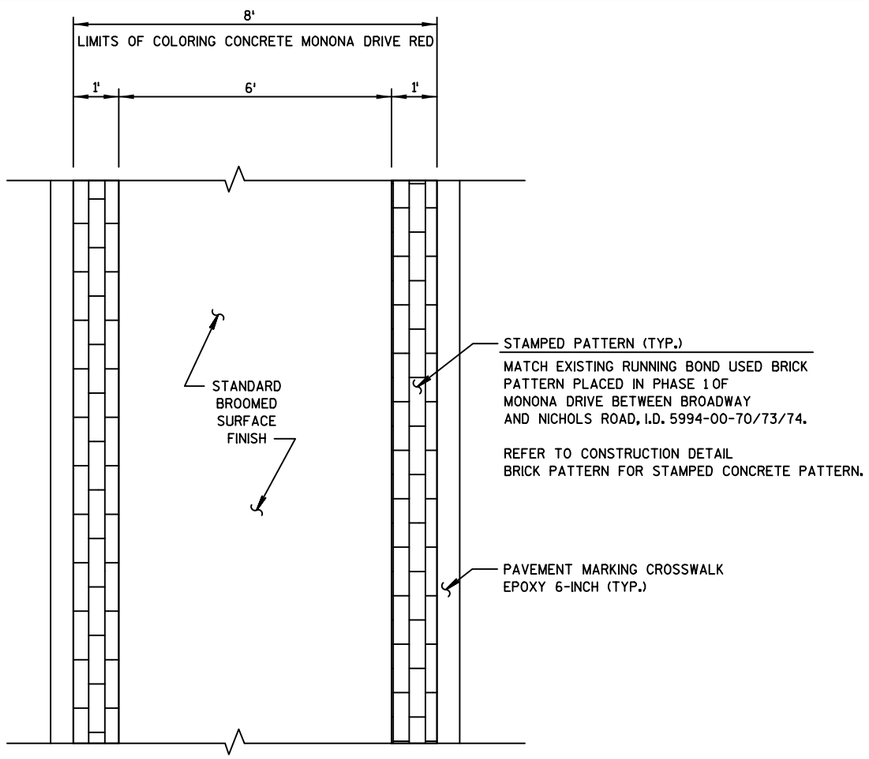


SECTION A-A
(INLETS 2X3-FT - H SHOWN)

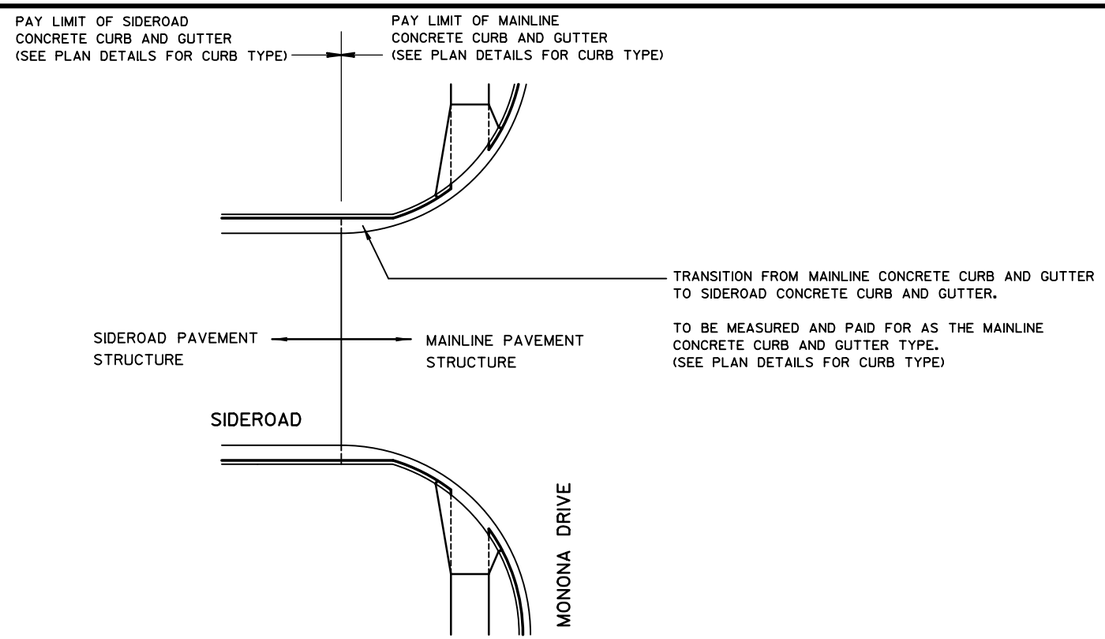
DETAIL OF CONCRETE CURB AND GUTTER 30-INCH TYPE D OR TYPE A AT INLETS - SIDEROADS



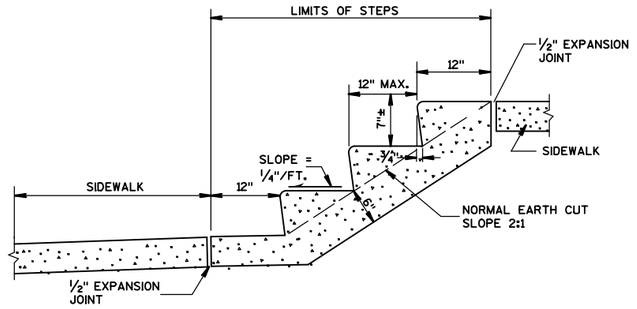
BRICK PATTERN FOR STAMPED CONCRETE
(AT CROSSWALKS AND MEDIANS)



CROSSWALK CONCRETE PAVEMENT 8-INCH AND 8 1/2-INCH



MAINLINE/SIDEROAD CONCRETE CURB AND GUTTER TRANSITION



CONCRETE STEPS DETAIL

NOTE:

THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

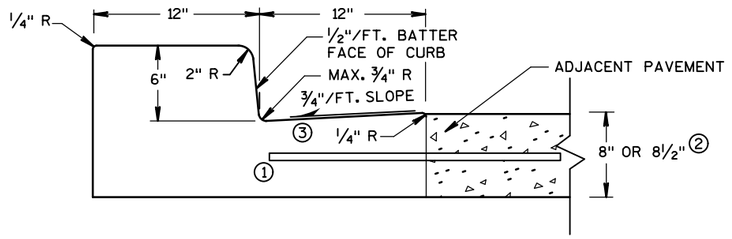
MINIMUM WIDTH OF STEP EQUALS 4 FEET.

① TIE BARS ARE REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO CONCRETE PAVEMENT.

② REFER TO TYPICAL SECTIONS AND PLAN DETAILS FOR PAVEMENT THICKNESS.

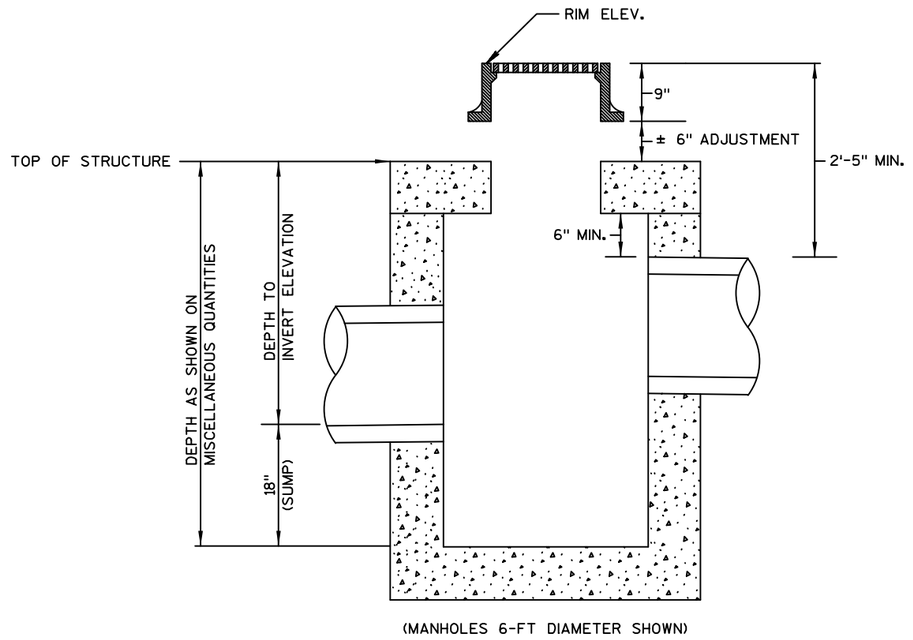
③ SEE PLAN DETAILS FOR REVERSE SLOPE (0.5%) GUTTER LOCATIONS.

SEE CONSTRUCTION DETAIL FOR CONCRETE RAISED MEDIAN NOSE SPECIAL REJECT FOR REVERSE SLOPE GUTTER TRANSITION DETAILS.



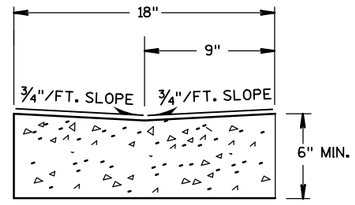
SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR ADDITIONAL INFORMATION AND TYPICAL TIE BAR LOCATION.

CONCRETE CURB AND GUTTER 24-INCH - MAINLINE MEDIAN



(MANHOLES 6-FT DIAMETER SHOWN)

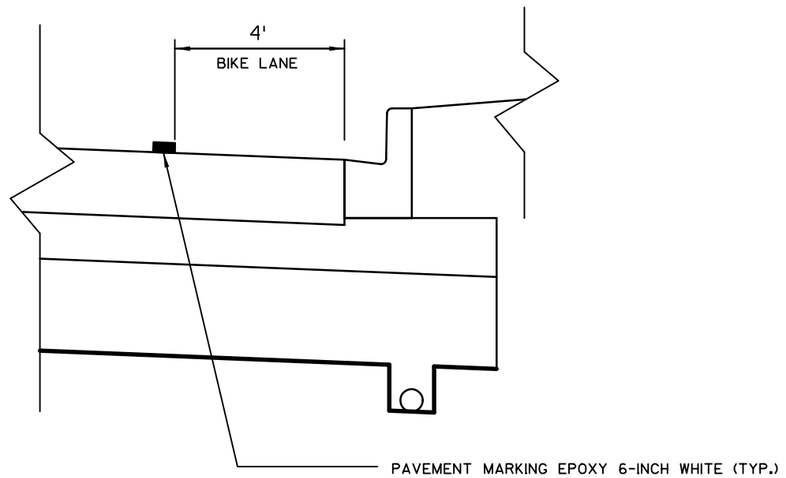
DETAIL FOR COMPUTING MANHOLE ELEVATIONS



SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR ADDITIONAL INFORMATION.

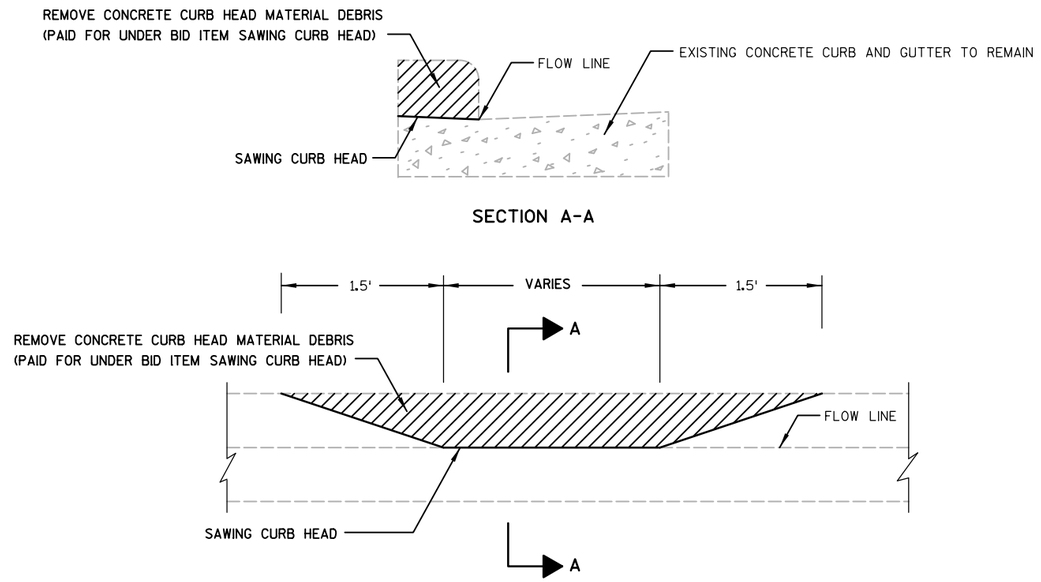
CONCRETE GUTTER 18-INCH HES TYPE D

SPRINGHAVEN AVENUE RT/LT

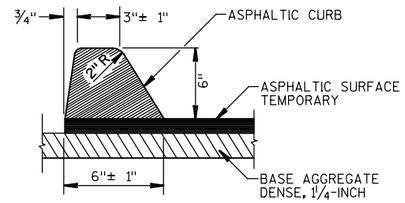


NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
SEE S.D.D "PAVEMENT MARKING FOR BIKE LANES" FOR ADDITIONAL INFORMATION.

BIKE LANE PAVEMENT MARKING LOCATION

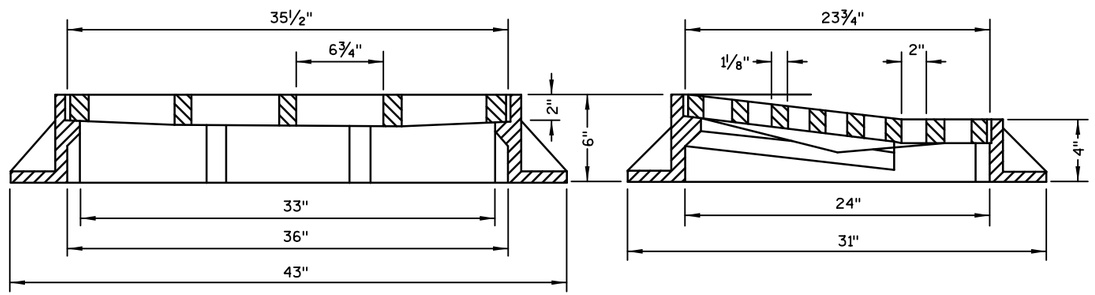


DETAIL FOR SAWING CURB HEAD



ASPHALTIC CURB DETAIL

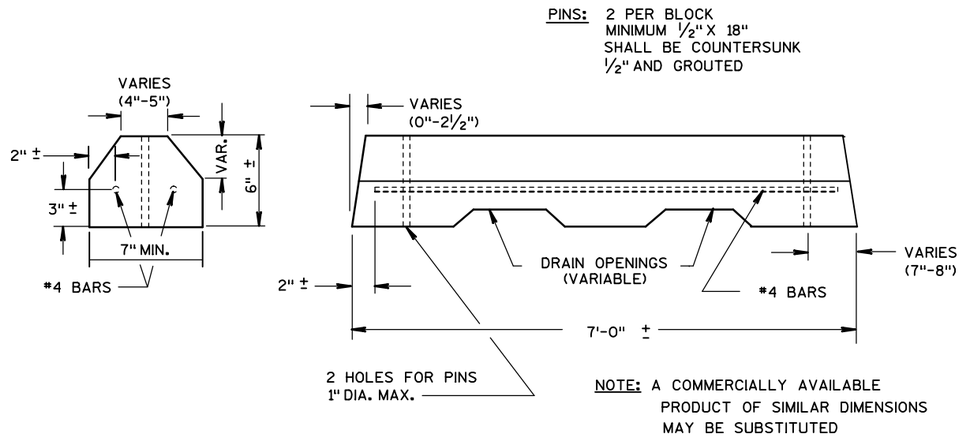
TOTAL WEIGHT APPROXIMATELY 420 POUNDS



INLET COVERS TYPE DW

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 19	E

2

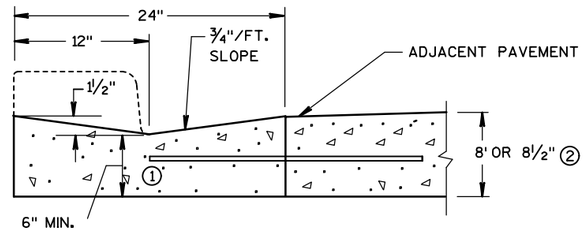


CONCRETE CURB PRECAST

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 158.1 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 128.6 ACRES

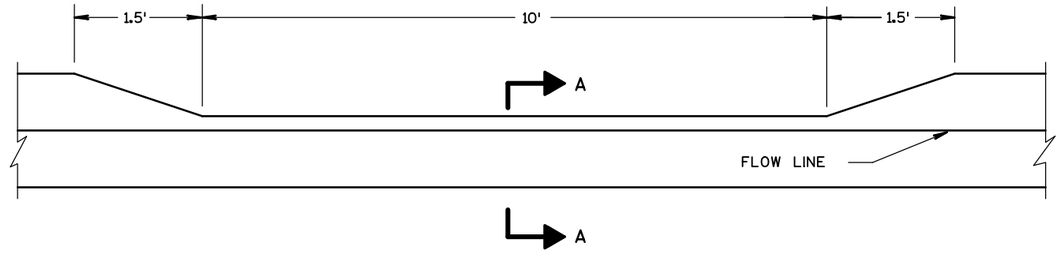


SECTION A-A

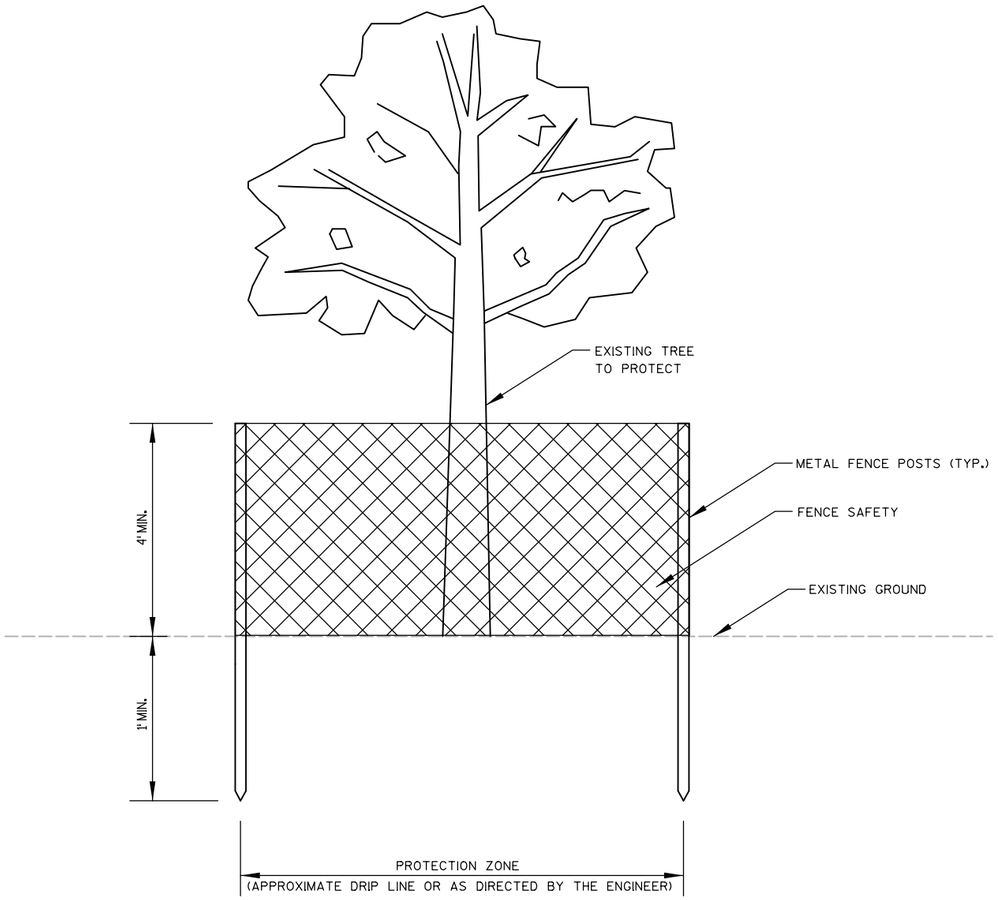
NOTE: SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR ADDITIONAL INFORMATION AND TYPICAL TIE BAR LOCATION.

① TIE BARS ARE REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO CONCRETE PAVEMENT.

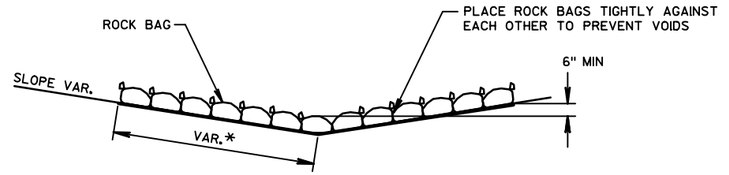
② REFER TO TYPICAL SECTIONS AND PLAN DETAILS FOR PAVEMENT THICKNESS.



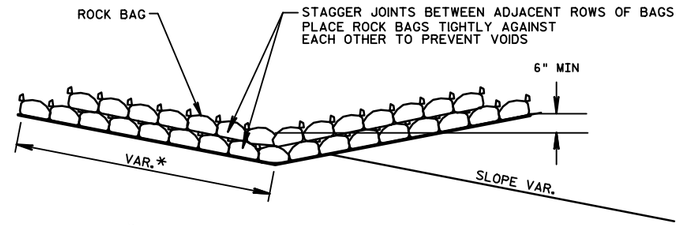
DETAIL OF CURB HEAD TRANSITION AT MAINTENANCE OPENING- MAINLINE MEDIAN



TREE PROTECTION DETAIL



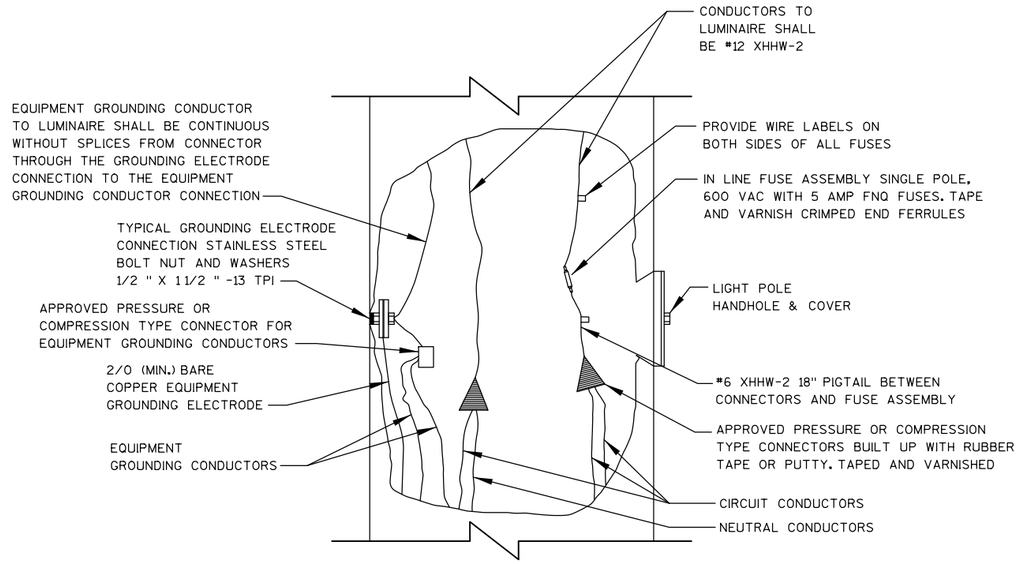
SIDE VIEW (SINGLE LAYER)



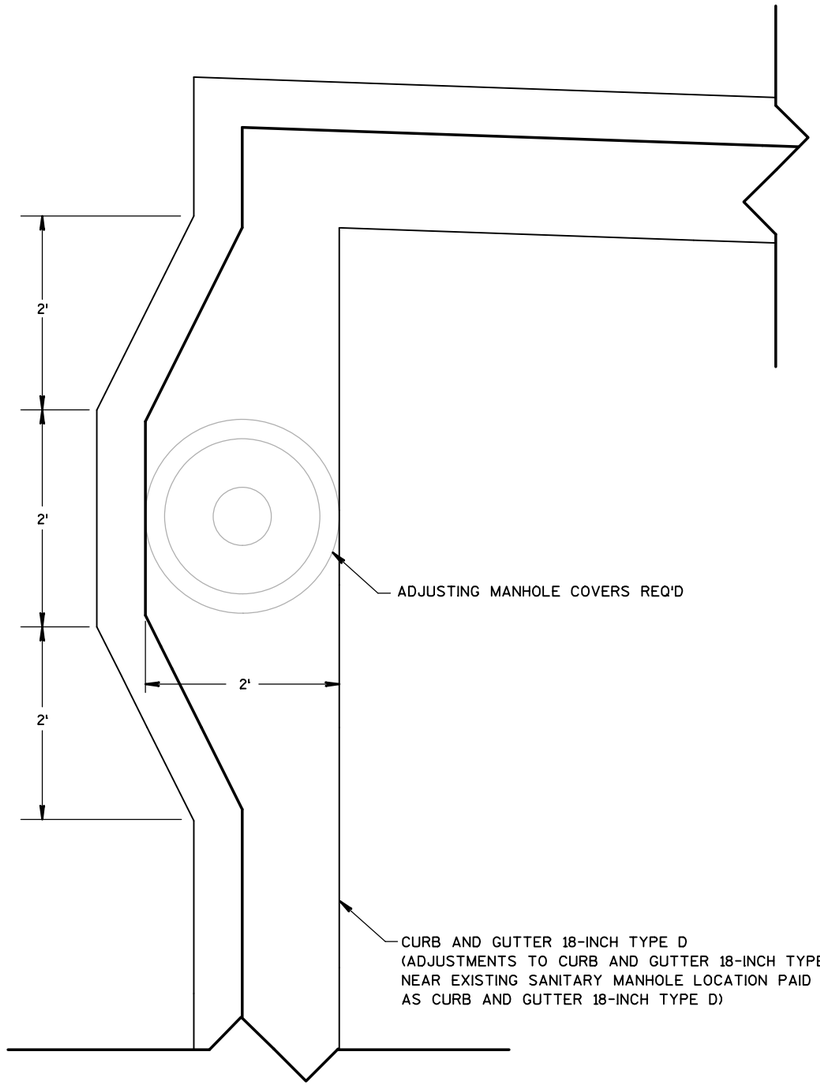
* LENGTH AND NUMBER OF BAGS MAY VARY
DEPENDING ON DESIRED DEPTH OF WATER POOL

SIDE VIEW (MULTIPLE LAYER)

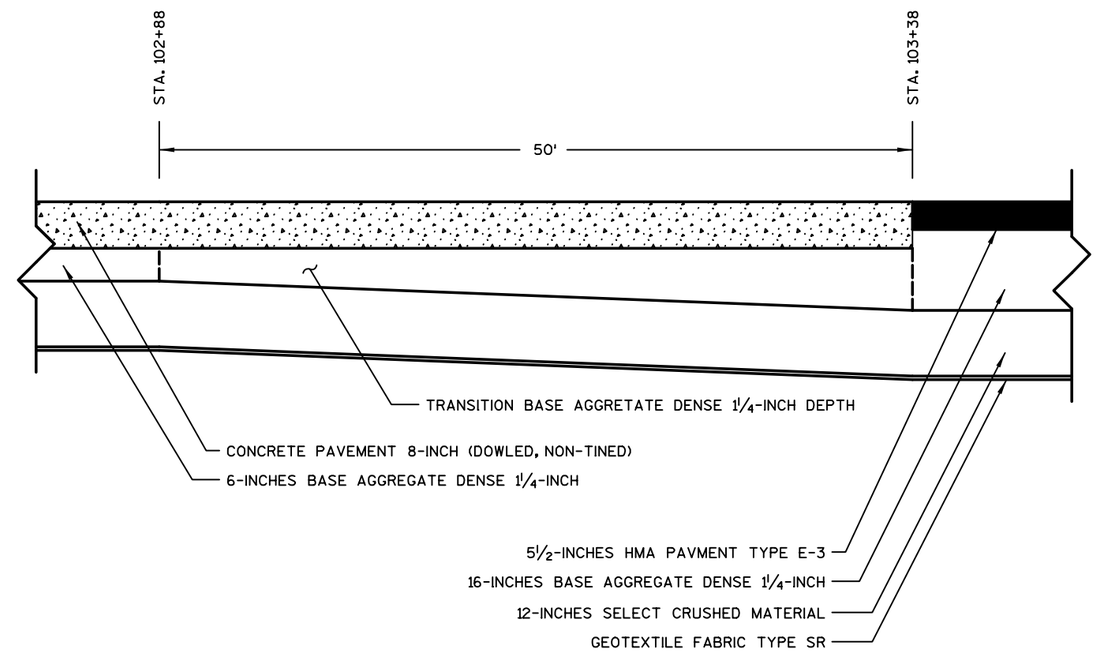
DITCH CHECKS



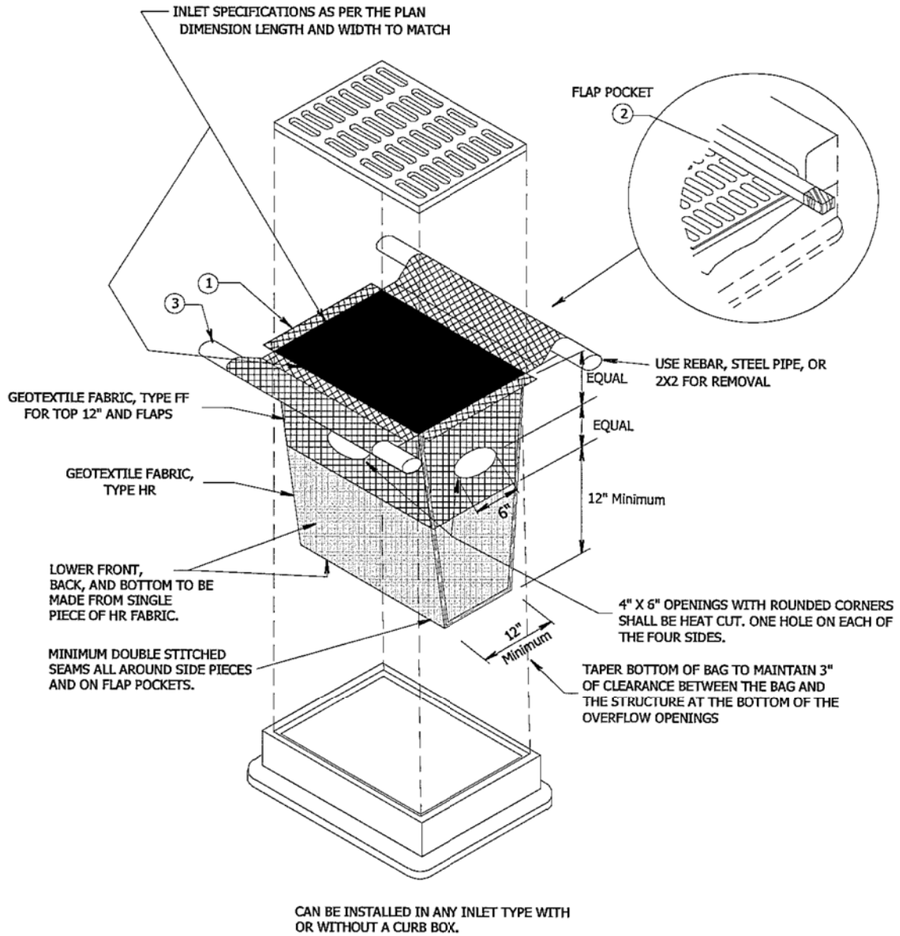
LIGHTING FIXTURES TYPE-A WIRING



DETAIL OF SANITARY MANHOLE CASTING IN CURB AND GUTTER - STA. 91+43 RT



BASE AGGREATE DENSE 1¼-INCH TRANSITION DETAIL - STA. 102+88 TO STA. 103+38



GENERAL NOTES

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.

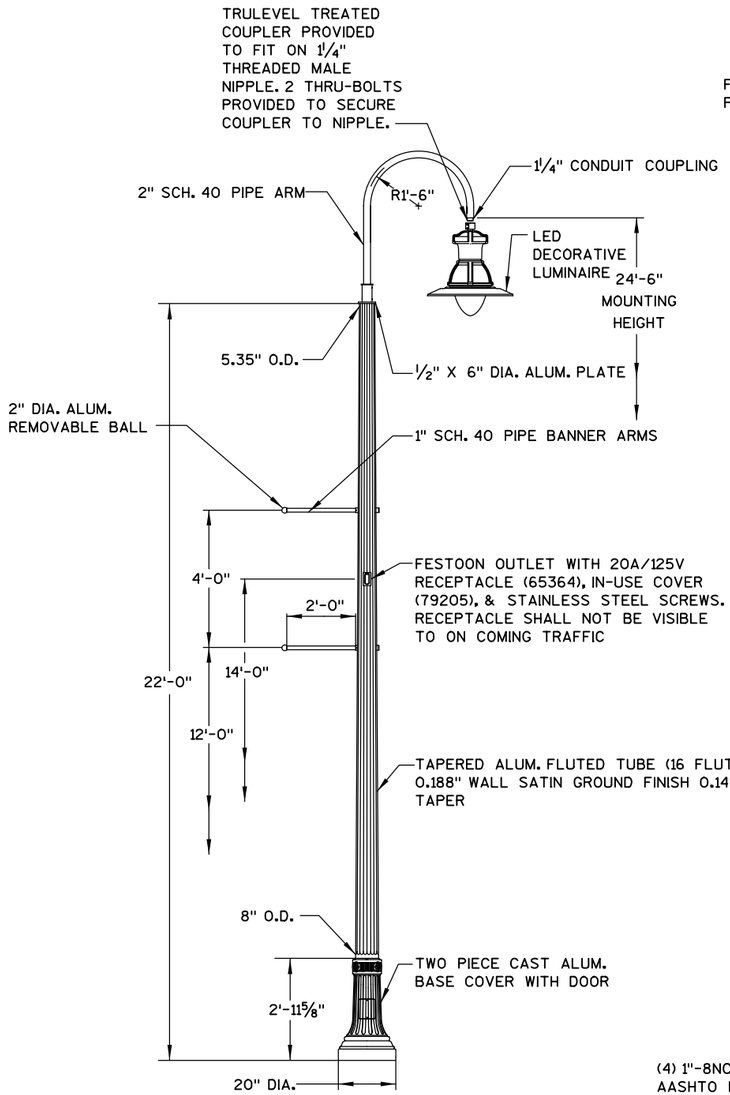
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG,MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3".

① SIDE FLAPS SHALL BE A MAXIMUM OF 2" LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STICHES.

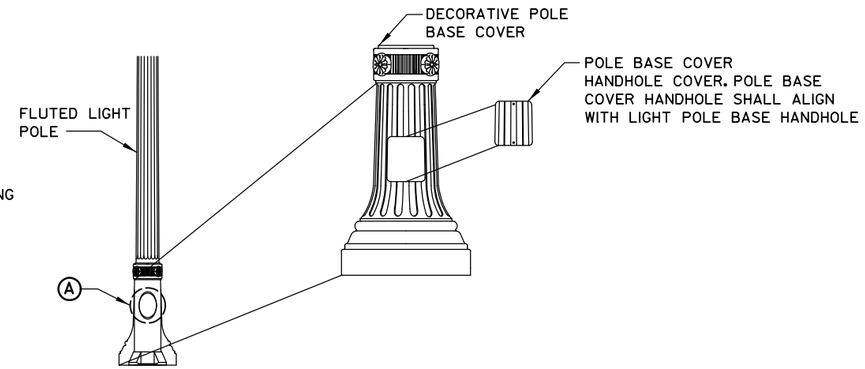
② FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X2. THE 2X2 SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

③ FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.

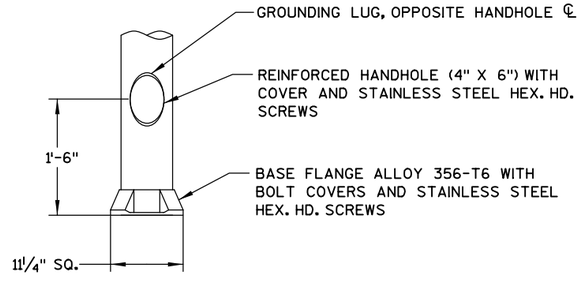
INLET PROTECTION TYPE HC



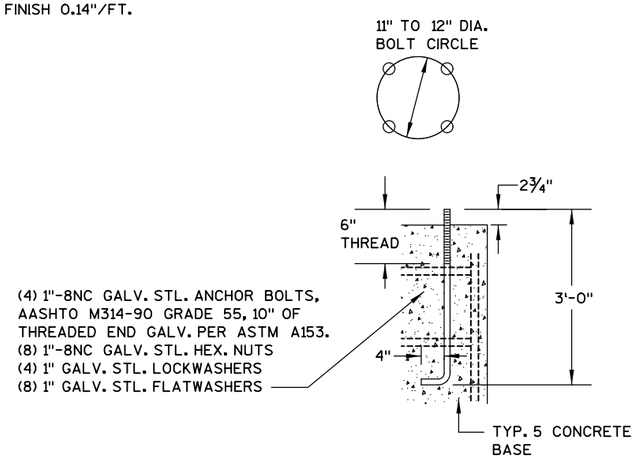
DECORATIVE LIGHT POLE AND LUMINAIRE ASSEMBLY



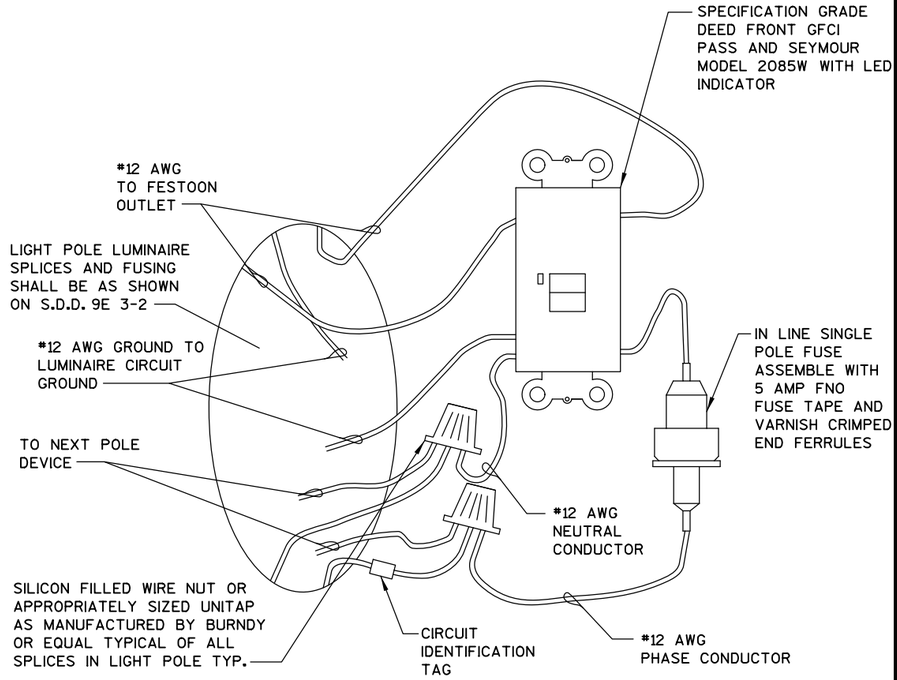
DECORATIVE POLE BASE DETAIL



POLE BASE DETAILS



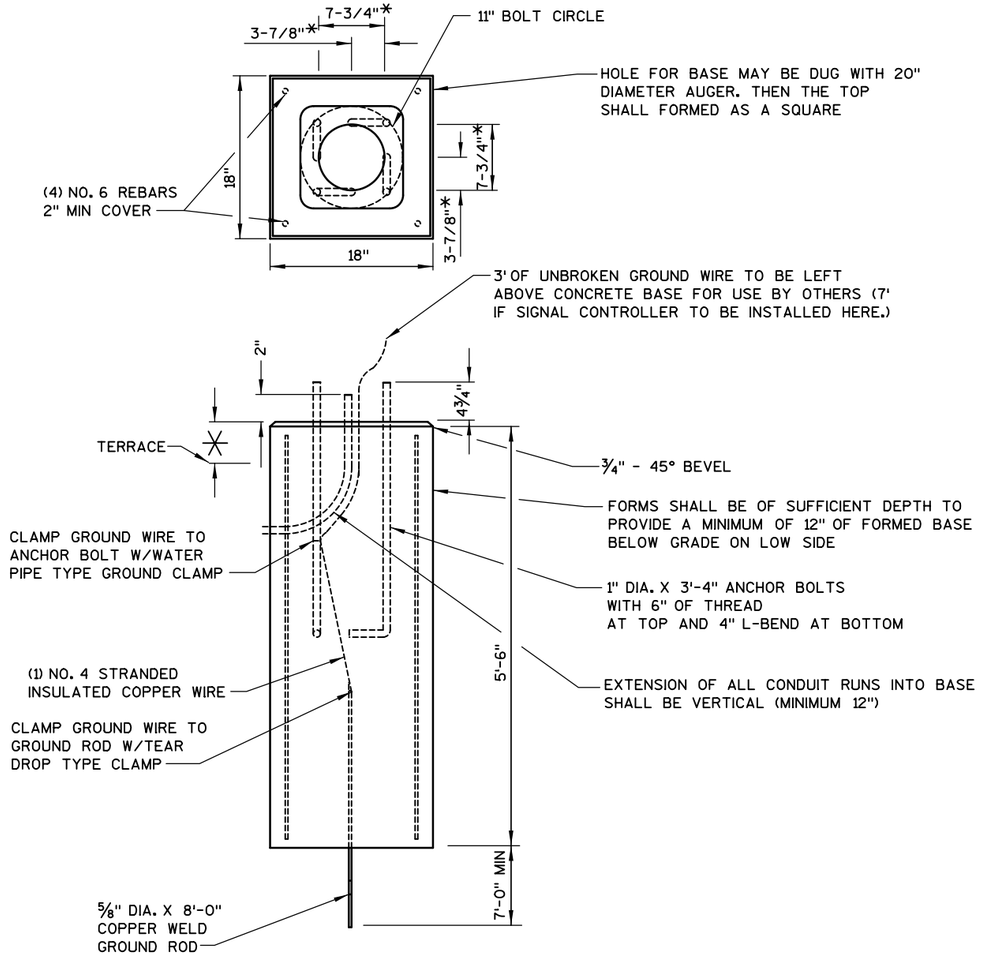
DECORATIVE LIGHT POLE BASE CIRCULAR

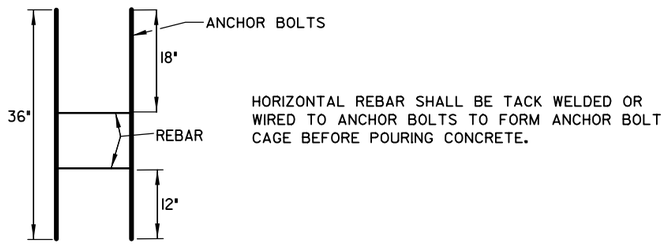


Ⓐ FESTOON OUTLET GFIC RESET DEVICE WIRING DIAGRAM

NOTES

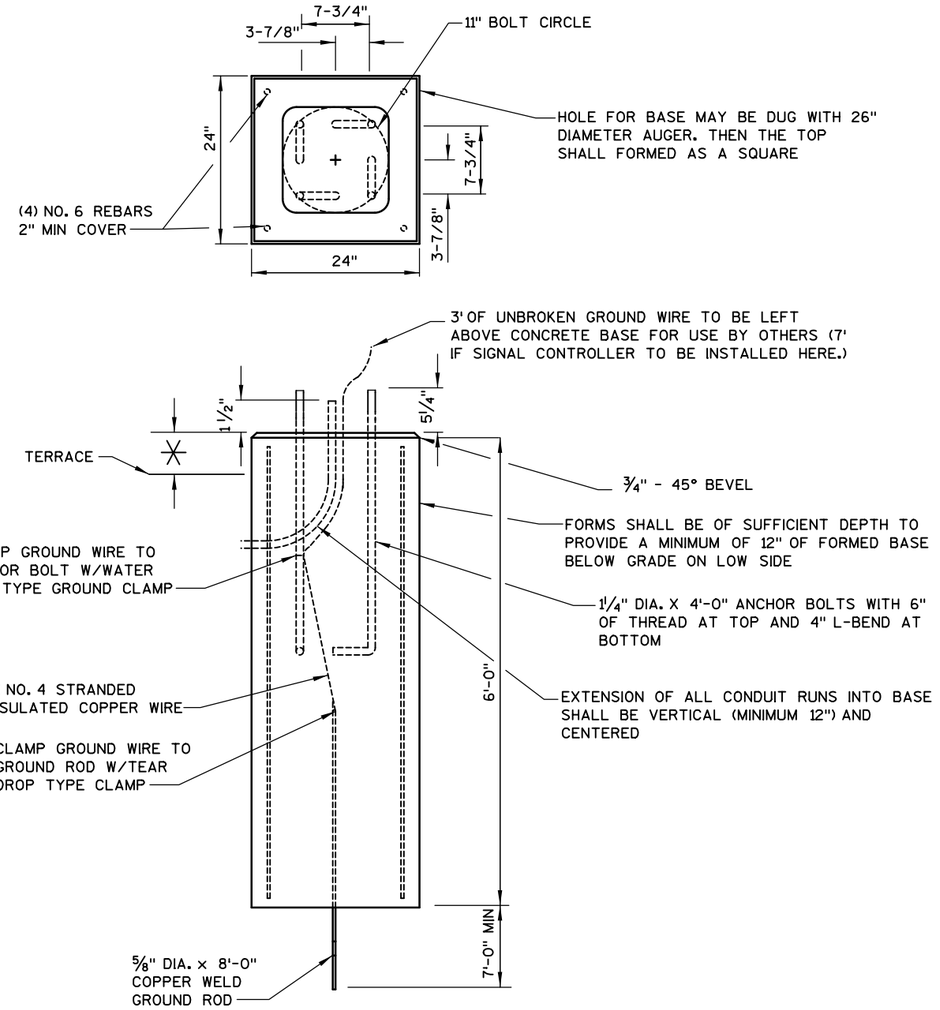
1. PROVIDE A MINIMUM 18-INCHES OF CONDUCTOR SLACK ON PIGTAILS FROM BRANCH CIRCUIT WIRENUTS TO THE DEVICE.

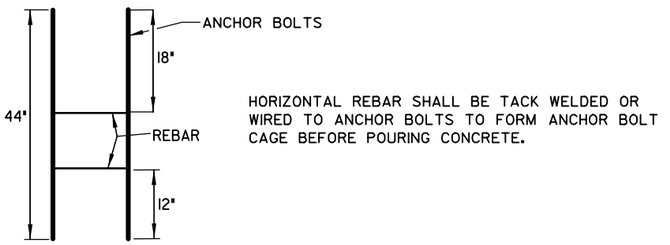




✳ = 4" ±½" FOR GRASS TERRACE
2" ±½" FOR CONCRETE TERRACE

CONCRETE BASE TYPE LB-3

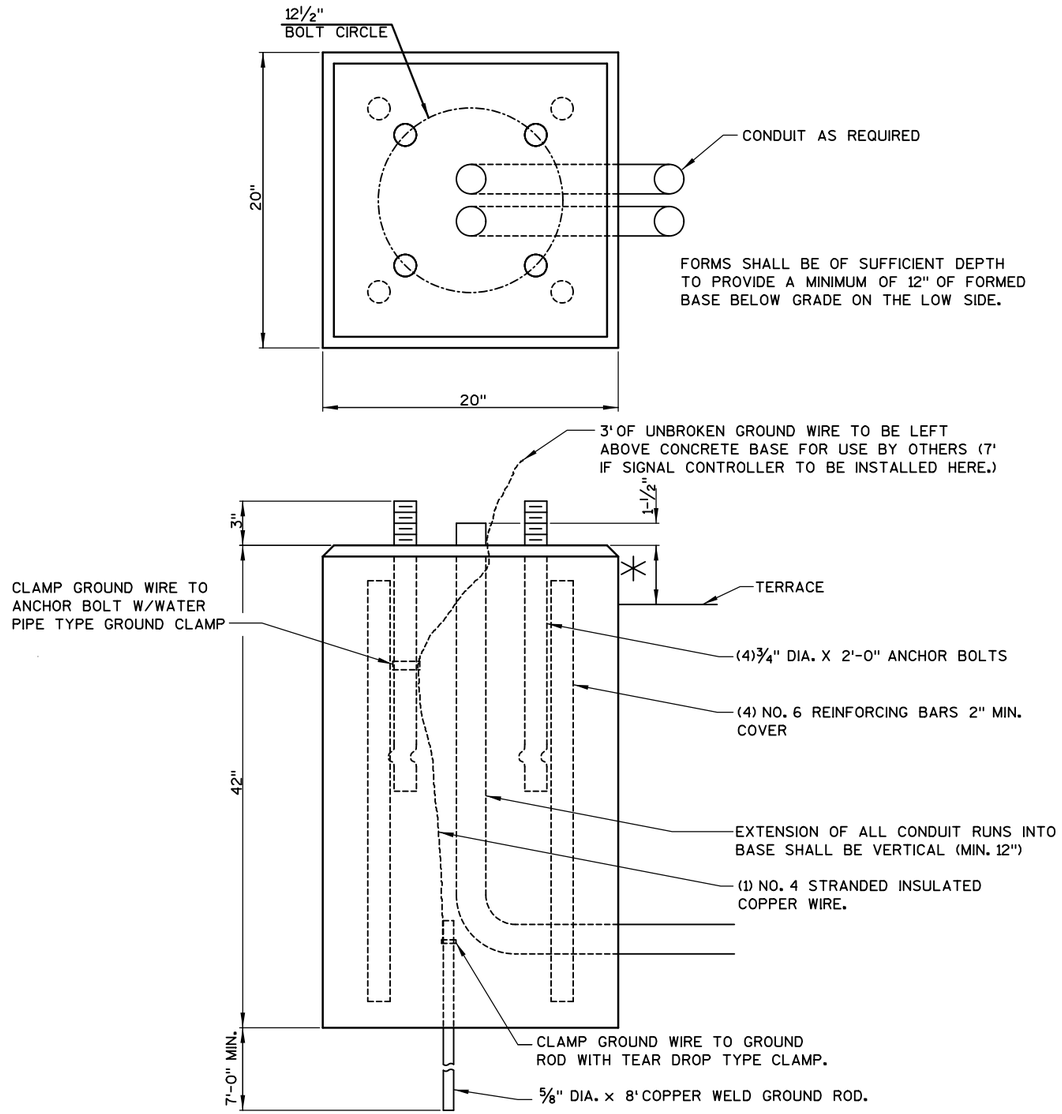




✳ = 4" ±½" FOR GRASS TERRACE
2" ±½" FOR CONCRETE TERRACE

CONCRETE BASE TYPE LB-8

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 25	E



CONCRETE BASE TYPE G

⚹ = 4" ±½" FOR GRASS TERRACE
2" ±½" FOR CONCRETE TERRACE

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE M	40"	30"	12"	20"	.8
TYPE P	48"	30"	16"	24"	1.2

GENERAL NOTES

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

ALL CONDUIT SHALL BE PVC, SCHEDULE 40

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

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

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

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

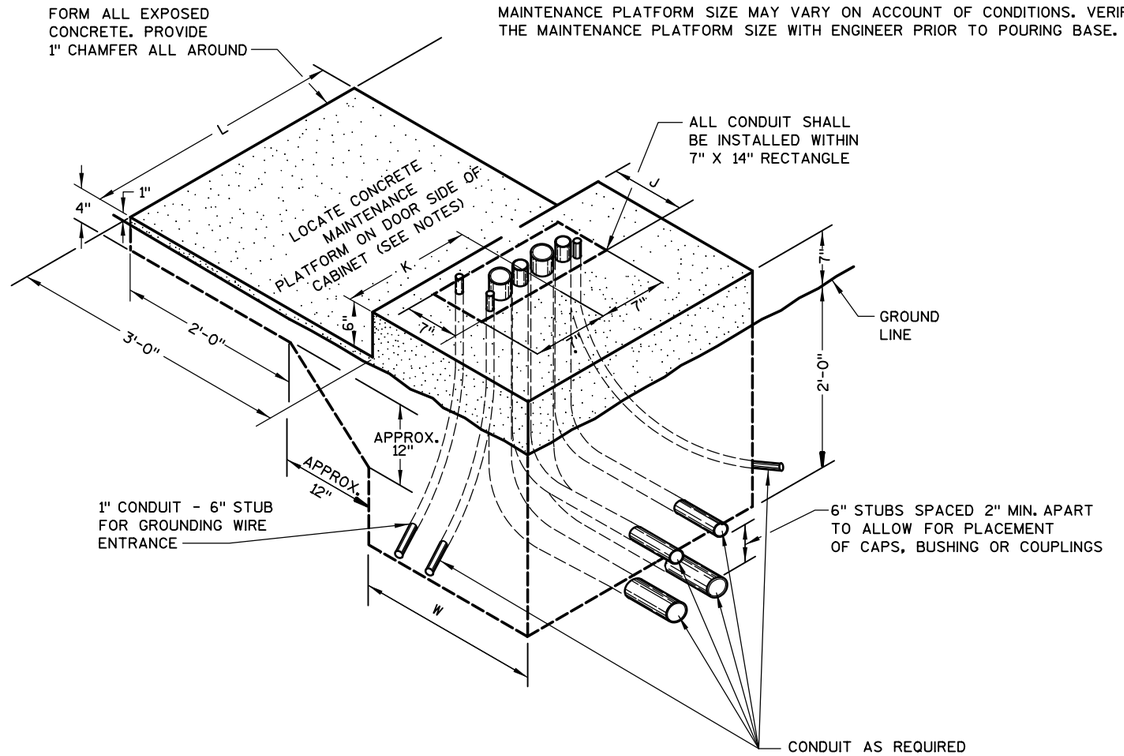
MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

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

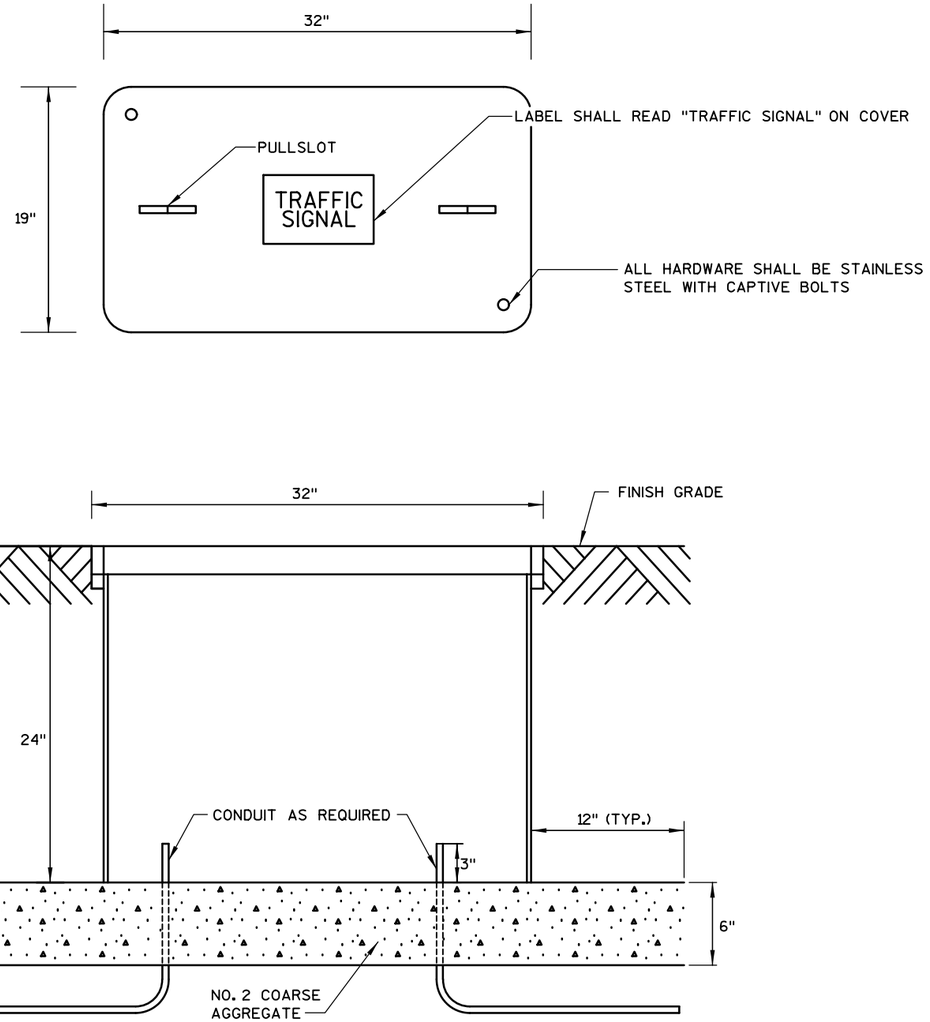
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

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

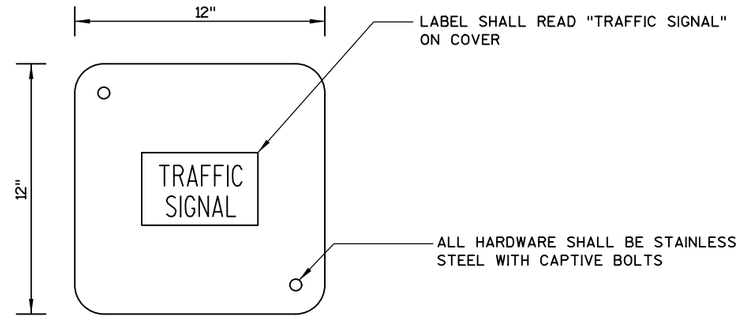
MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

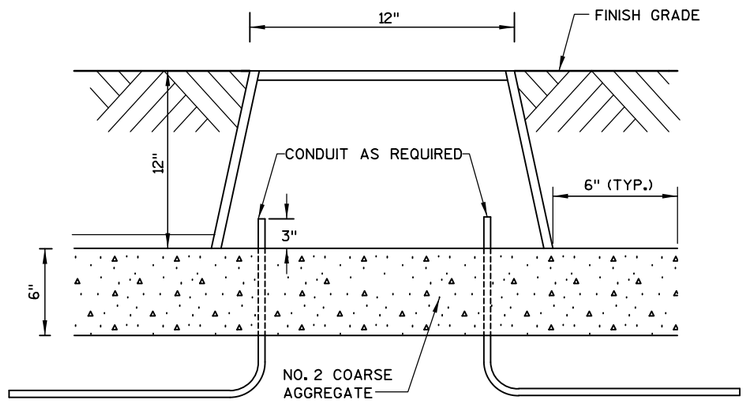


CONCRETE BASE TYPE M OR P
(CONTROL CABINET BASE)

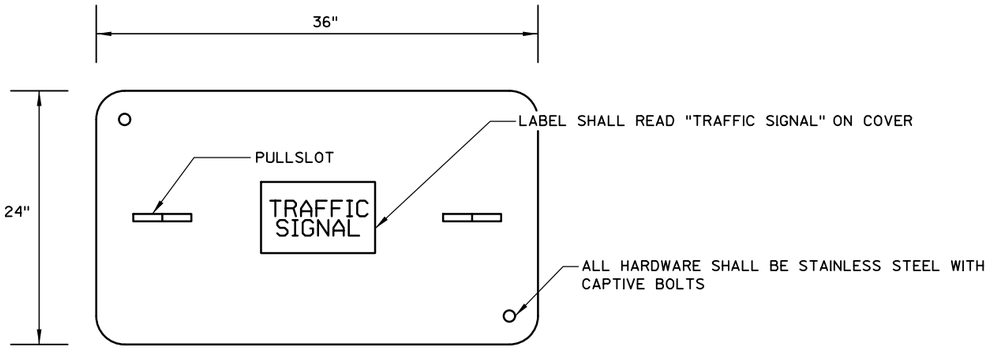


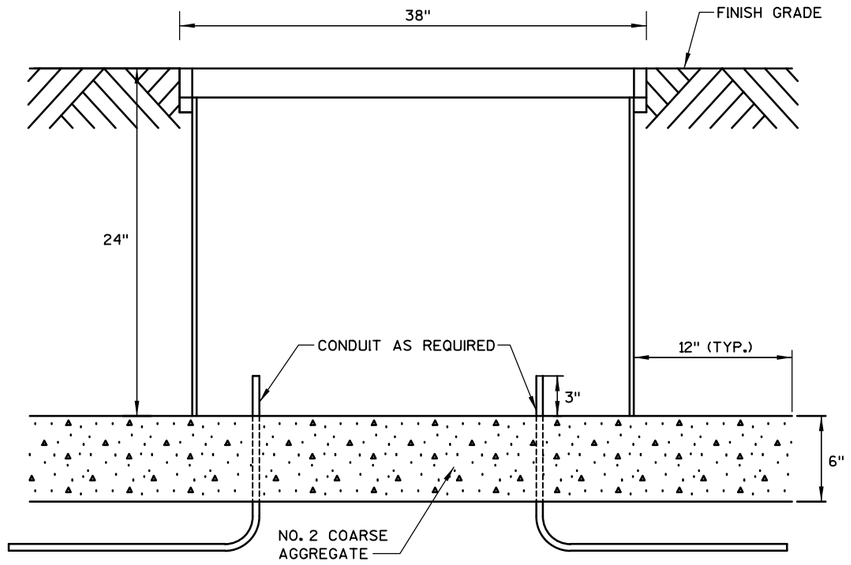
PULL BOX TYPE I



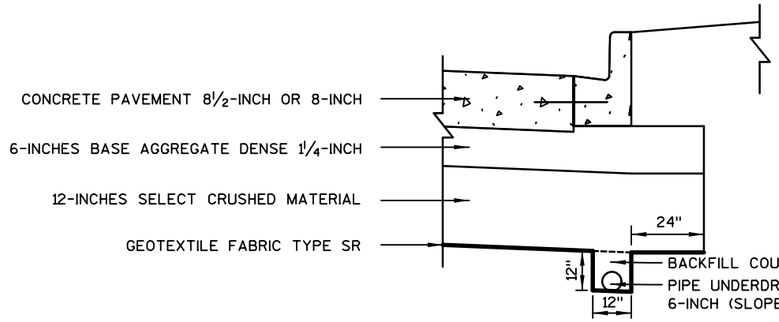


PULL BOX TYPE III

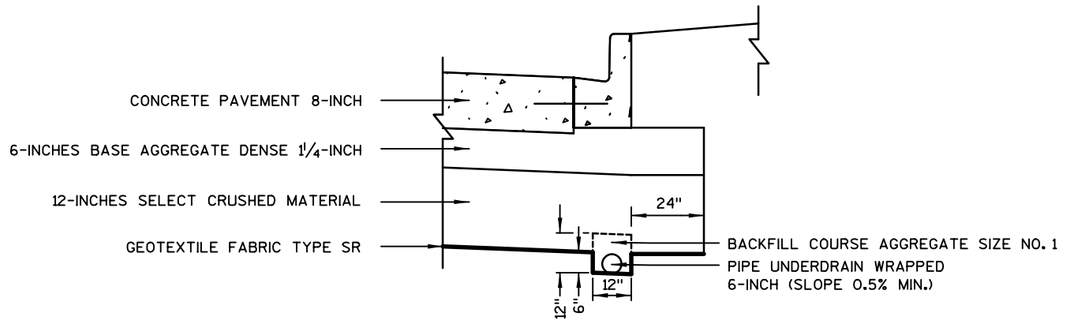




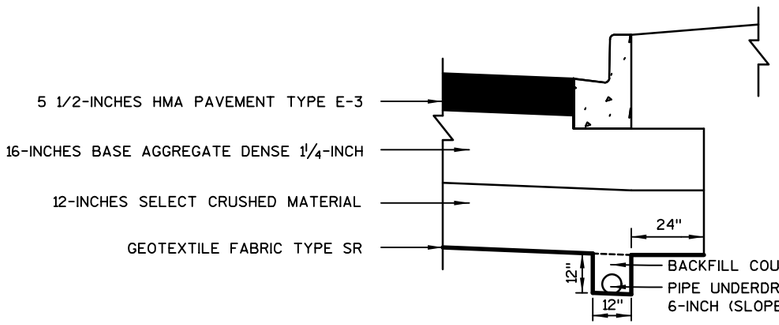
PULL BOX TYPE V



DETAIL FOR PIPE UNDERDRAIN 6-INCH WRAPPED - CONCRETE PAVEMENT STRUCTURE (TYP.)



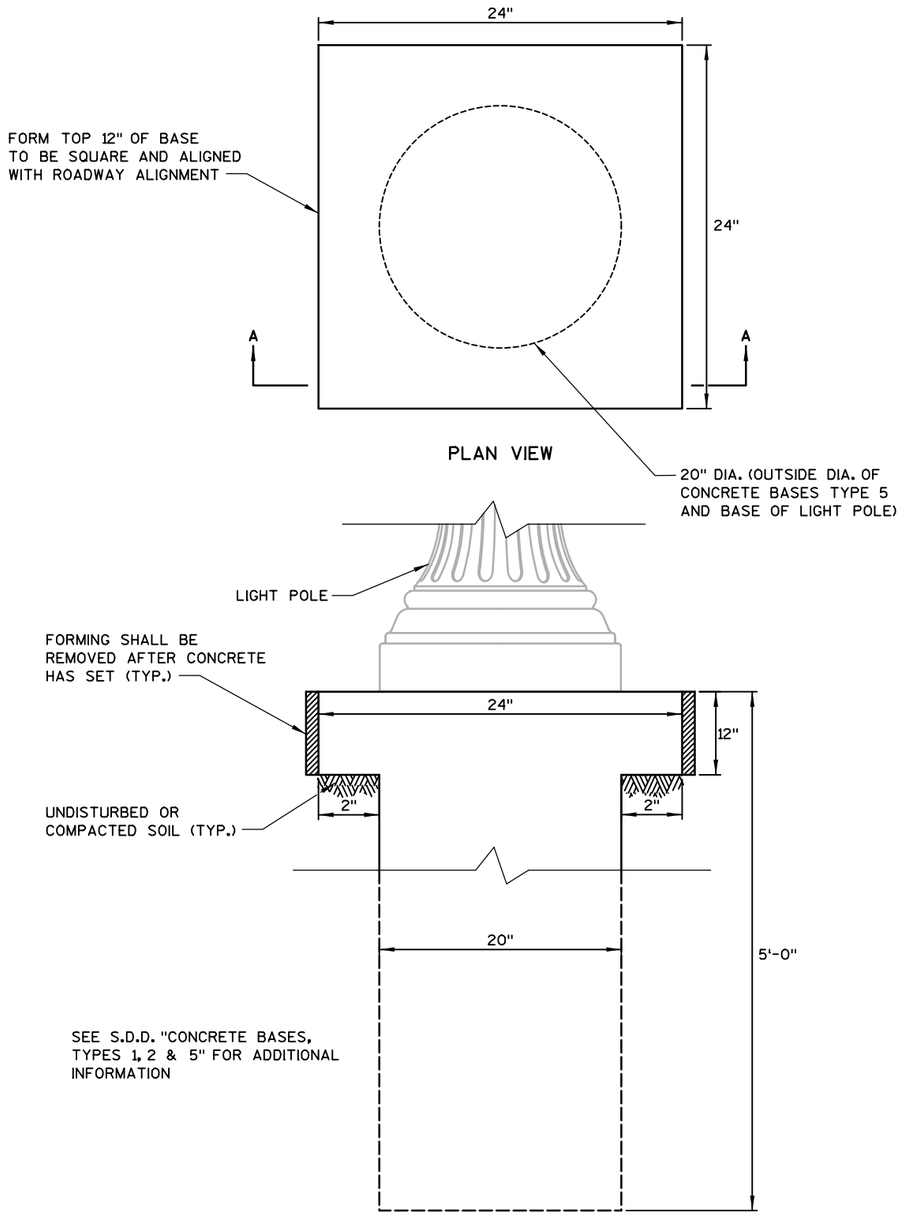
DETAIL FOR PIPE UNDERDRAIN 6-INCH WRAPPED - CONCRETE PAVEMENT STRUCTURE
STA. 65+18 TO STA. 66+40 (STORM SEWER STRUCTURE 502B TO 502C)



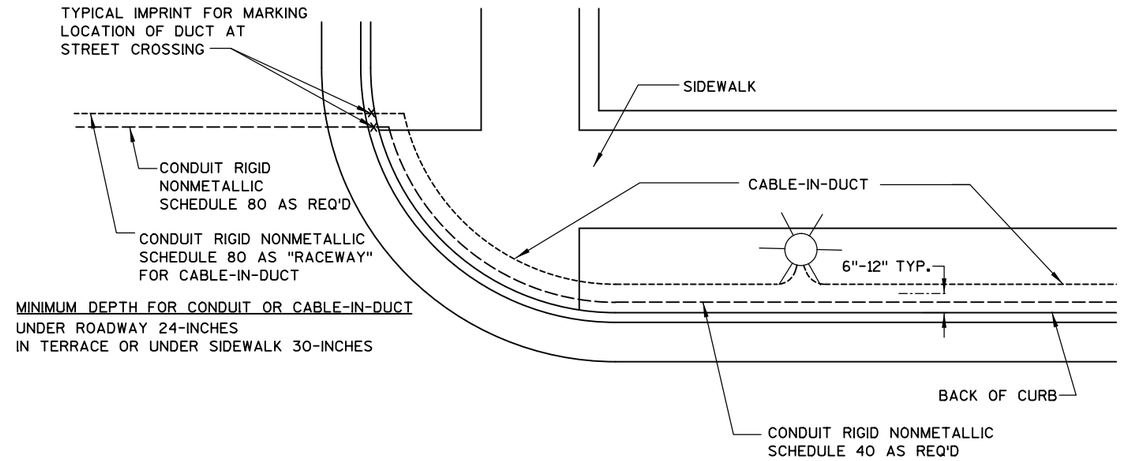
DETAIL FOR PIPE UNDERDRAIN 6-INCH WRAPPED - ASPHALT PAVEMENT STRUCTURE (TYP.)

DETAIL FOR PIPE UNDERDRAIN 6-INCH WRAPPED

NOTE: PIPE UNDERDRAIN IS TO BE DISCHARGED INTO THE INLET STRUCTURES.

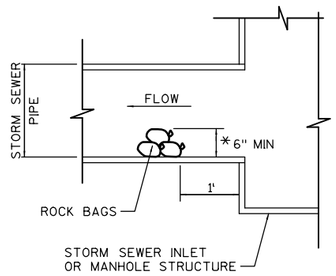


CONCRETE BASES TYPE 5

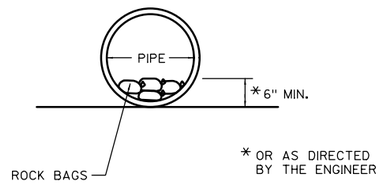


TYPICAL CONDUIT DETAIL

ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
18"	2
24"	3
30"	5
48"	10
54"	10
60"	13
72"	16



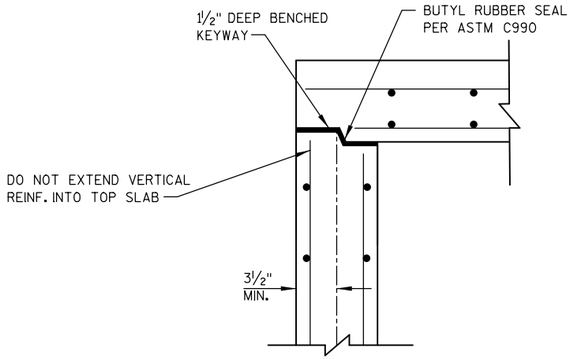
SIDE VIEW
INSTALL ON INLET END



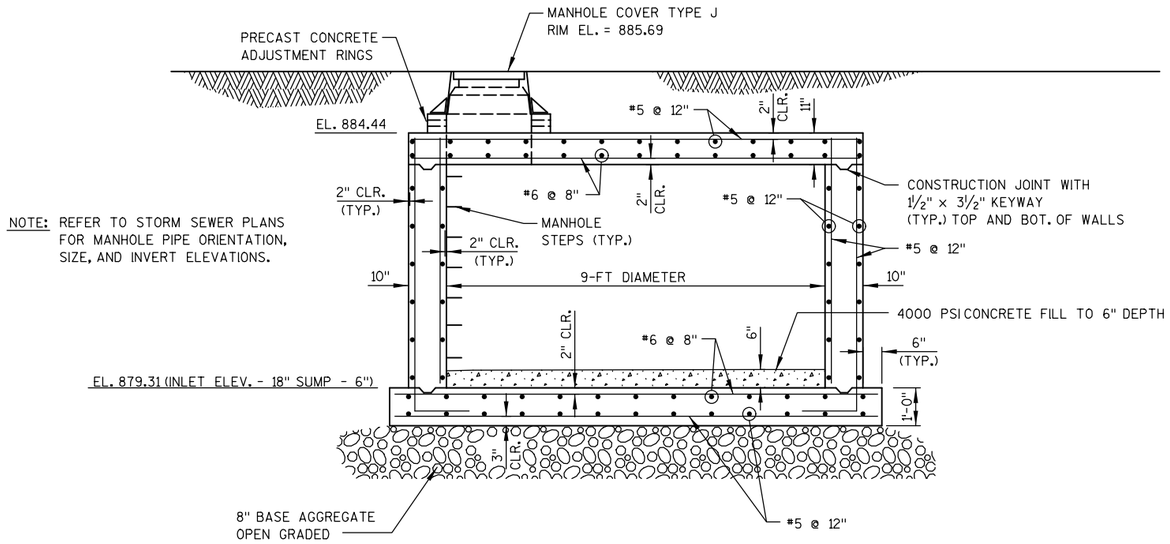
END VIEW

ROCK BAGS DETAIL AT STORM SEWER PIPE LOCATIONS

STA. 65+17 LT
STA. 111+23 LT
STA. 7+10 D LT



ALTERNATE CONSTRUCTION JOINT



NOTE: REFER TO STORM SEWER PLANS FOR MANHOLE PIPE ORIENTATION, SIZE, AND INVERT ELEVATIONS.

MANHOLES 9-FT DIAMETER - STRUCTURE 502

(NOT TO SCALE)

GENERAL NOTES

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

A PRECAST CONCRETE STRUCTURE MAY BE PROVIDED IN LIEU OF CAST-IN-PLACE CONCRETE STRUCTURE. DETAILS OF PRECAST STRUCTURE SHALL COMPLY WITH STANDARD DETAIL DRAWING "MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER" EXCEPT THAT A MINIMUM 4" OVERHANG IS REQUIRED FOR ALL STRUCTURES WITH INTEGRAL OR MONOLITHIC BASES. PRECAST CONCRETE STRUCTURE WALL AND SLAB THICKNESSES AND REINFORCING SHALL MATCH THAT FOR CAST-IN-PLACE STRUCTURE, AS DETAILED ON THIS DRAWING. ALTERNATIVELY, CONTRACTOR MAY PROVIDE AN ALTERNATE DESIGN, COMPLETE WITH DESIGN CALCULATIONS PREPARED BY AND BEARING THE SEAL OF A STATE OF WISCONSIN LICENSED PROFESSIONAL ENGINEER. ALTERNATE DESIGN WILL BE SUBJECT TO APPROVAL BY ENGINEER.

TOP SLAB MAY BE CAST IN ANOTHER LOCATION ON-SITE OR OFF-SITE ON TOP OF A FORMED SURFACE APPROVED BY ENGINEER, AND THEN LIFTED INTO PLACE ON THE STRUCTURE. USE ALTERNATE CONSTRUCTION JOINT DETAIL FOR THIS OPTION.

MANHOLE STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

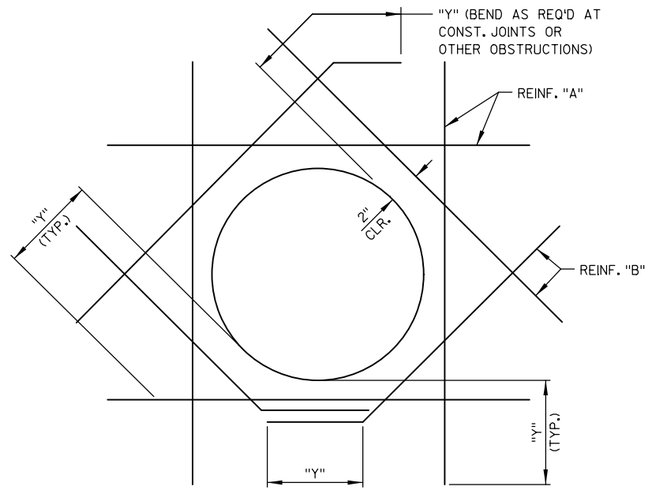
MANHOLE STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

REFER TO STORM SEWER PLANS FOR MANHOLE PIPE ORIENTATION, SIZE, AND INVERT ELEVATIONS.

REFER TO STANDARD DETAIL DRAWING "MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER" FOR ADDITIONAL INFORMATION.



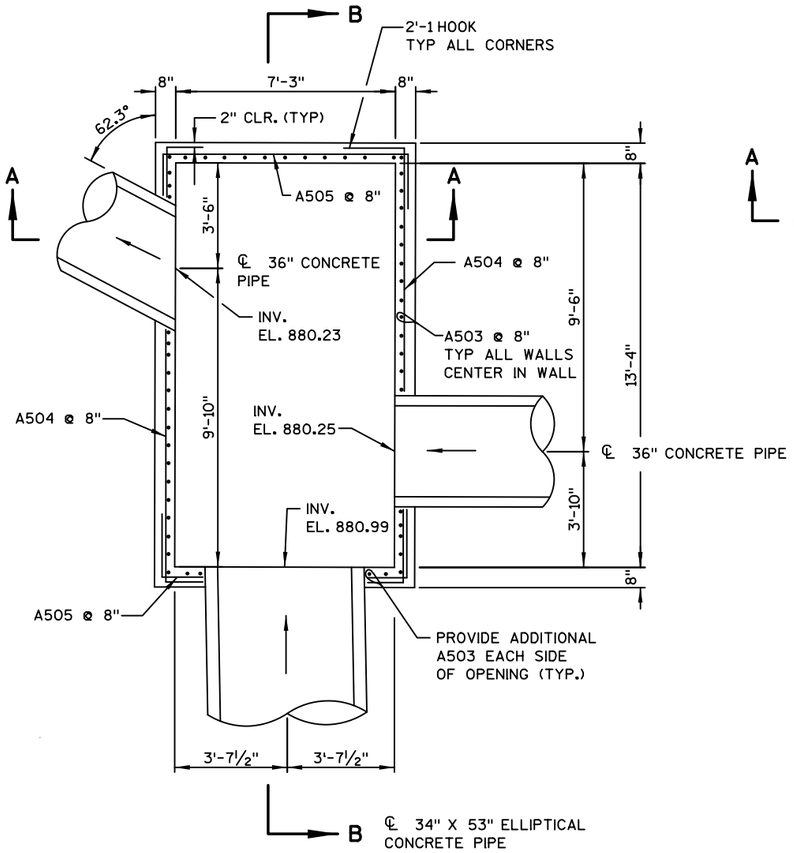
ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS

NOTES (SLABS):

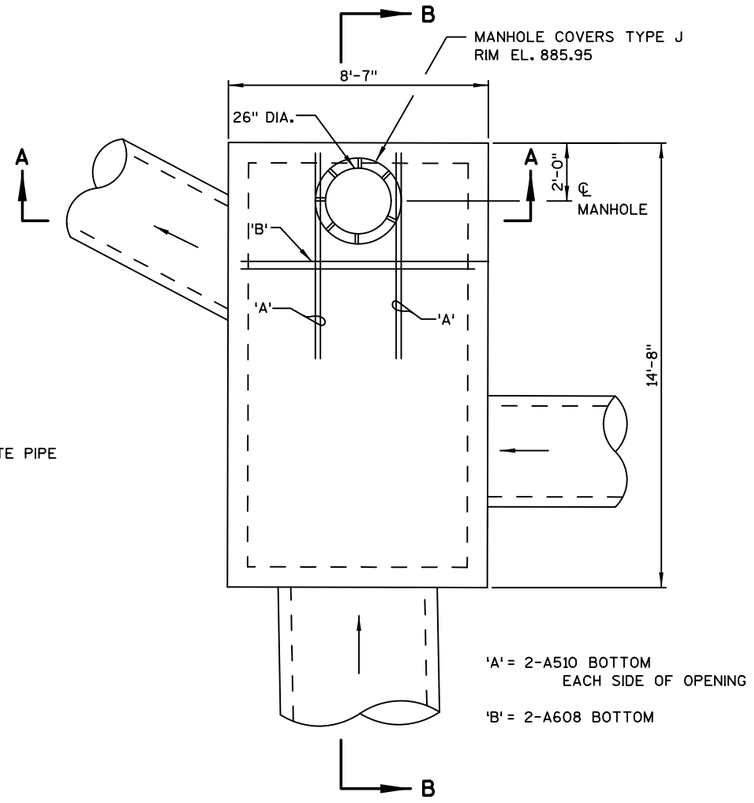
1. MOVE REINF. MAX. OF 2" TO CLEAR OPENING TO AVOID CUTTING REINF. CUT REMAINING BARS THAT PASS THROUGH OPENING.
2. WHERE REINF. MUST BE CUT, ADD REINF. "A" AT LEAST EQUAL IN AREA TO THAT WHICH WAS CUT AND EXTEND BEYOND OPENING DISTANCE "Y".
3. DIAGONAL BARS "B" TO BE PLACED:
   A. AT EACH FACE OF WALL WHERE TWO LAYERS OF REINF. ARE PROVIDED.
   B. AT TOP & BOTTOM OF ALL SLABS.
4. UNLESS OTHERWISE NOTED, SIZE OF REINF. "B" SHALL BE THE SIZE OF THE LARGEST REINF. BAR CUT.
5. Y = CLASS B LAP { #5 BAR = 1'-10" / #6 BAR = 2'-3" }

NOTES (WALLS):

1. MOVE REINF. MAX. OF 2" TO CLEAR OPENING TO AVOID CUTTING REINF. CUT REMAINING BARS THAT PASS THROUGH OPENING.
2. REINF. "A" SHALL BE ONE BAR OF SAME SIZE AS CUT BARS. EXTEND REINF. "A" BEYOND OPENING DISTANCE "Y".
3. ADDITIONAL DIAGONAL REINF. BARS "B" ARE NOT REQUIRED.



LOWER PLAN

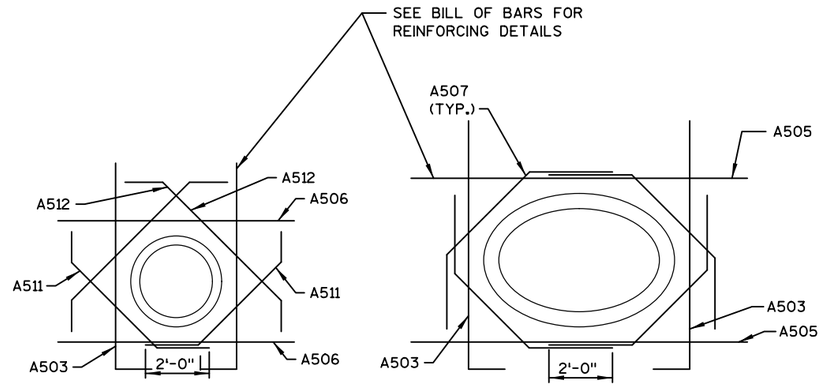


TOP PLAN

BILL OF BARS

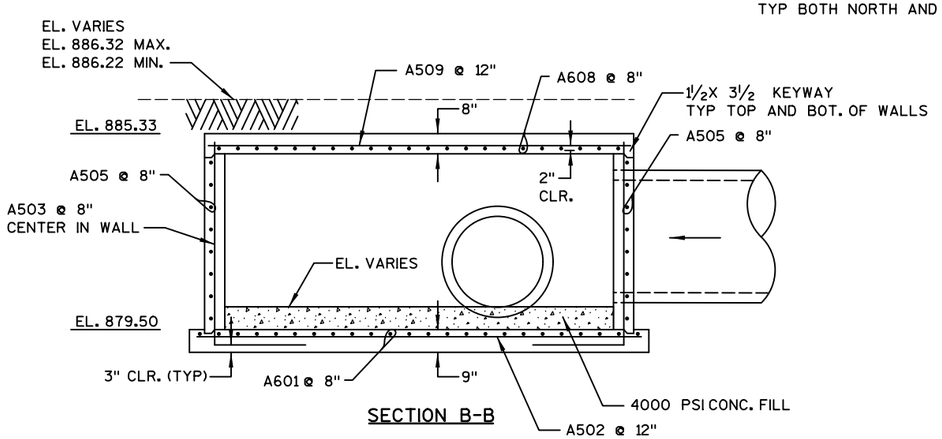
UNCOATED: 2,270 LBS

MARK	NO.	LENGTH	BENT	COAT	LOCATION
A601	24	9'-3"			BASE SLAB - TRANSV.
A502	10	15'-4"			BASE SLAB - LONGIT.
A503	70	9'-0"	X		WALLS - VERT.
A504	16	18'-3"	X		WALLS - HORIZ.
A505	18	12'-2"	X		WALLS - HORIZ.
A506	4	8'-0"			WALLS - HORIZ. - ADD'L @ N-S WALLS
A507	4	7'-6"	X		WALLS - DIAG. - ADD'L @ W WALL
A608	24	8'-3"			TOP SLAB - TRANS.
A509	9	14'-4"			TOP SLAB - LONGIT.
A510	4	7'-0"			TOP SLAB - LONGIT. ADD'L @ OPN'G
A511	4	7'-0"	X		WALLS - DIAG. - ADD'L @ N-S WALLS
A512	4	8'-0"	X		WALLS - DIAG. - ADD'L @ N-S WALLS

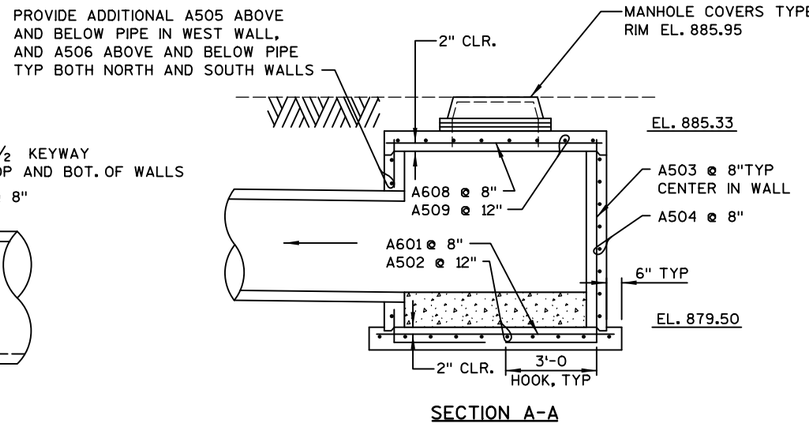


ADDITIONAL WALL REINFORCEMENT AT TYPICAL CIRCULAR PIPE OPENING

ADDITIONAL WALL REINFORCEMENT AT TYPICAL ELLIPTICAL PIPE OPENING

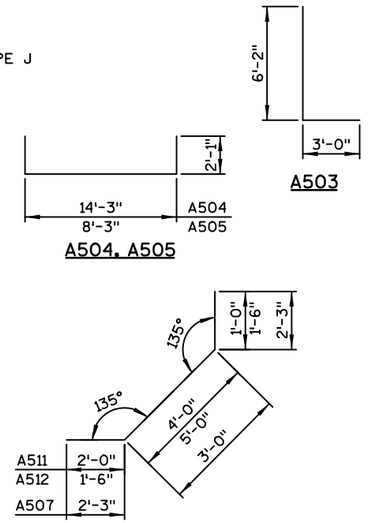


SECTION B-B



SECTION A-A

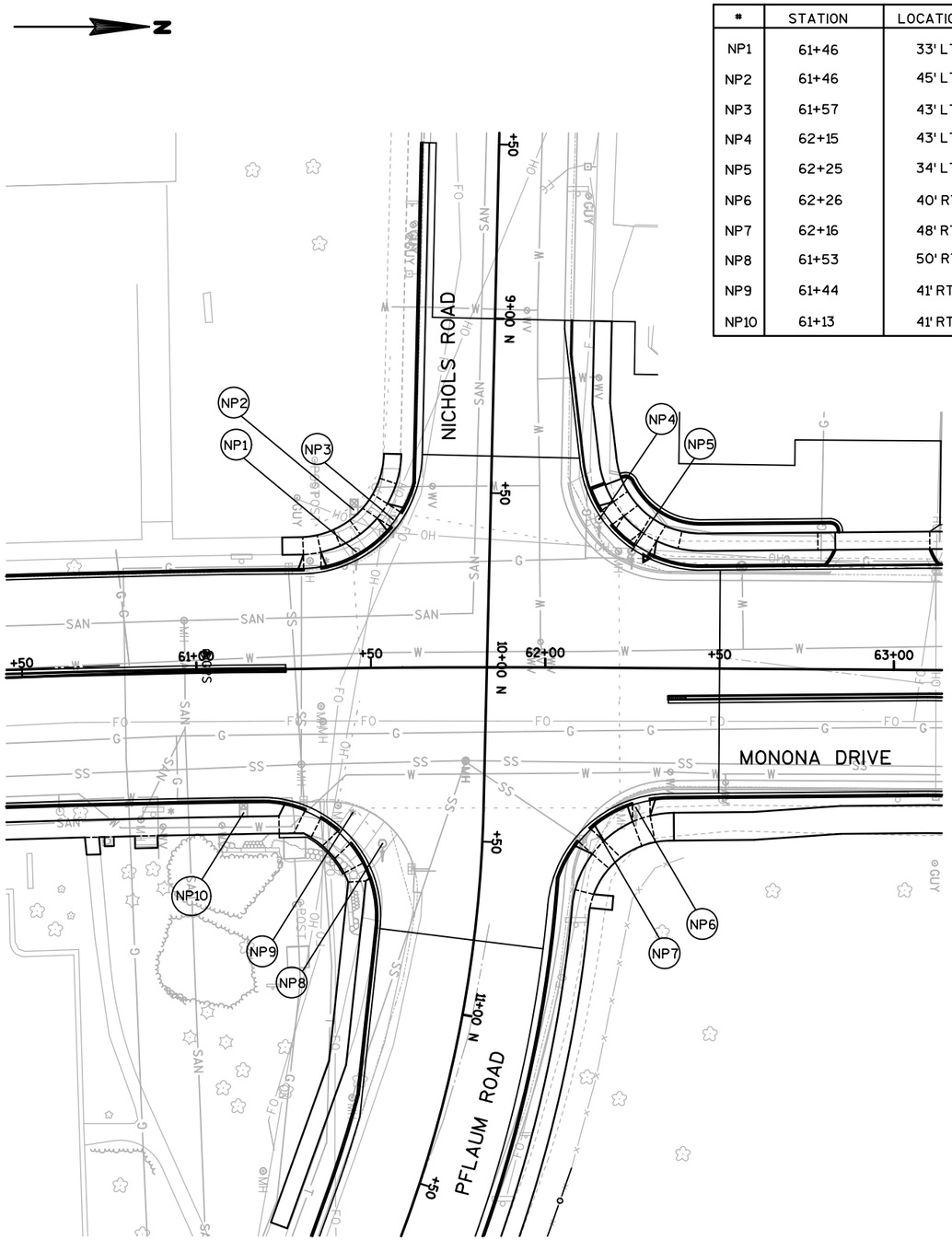
MANHOLE STRUCTURE 500
STA. 65+17, 45' LT



GENERAL NOTES

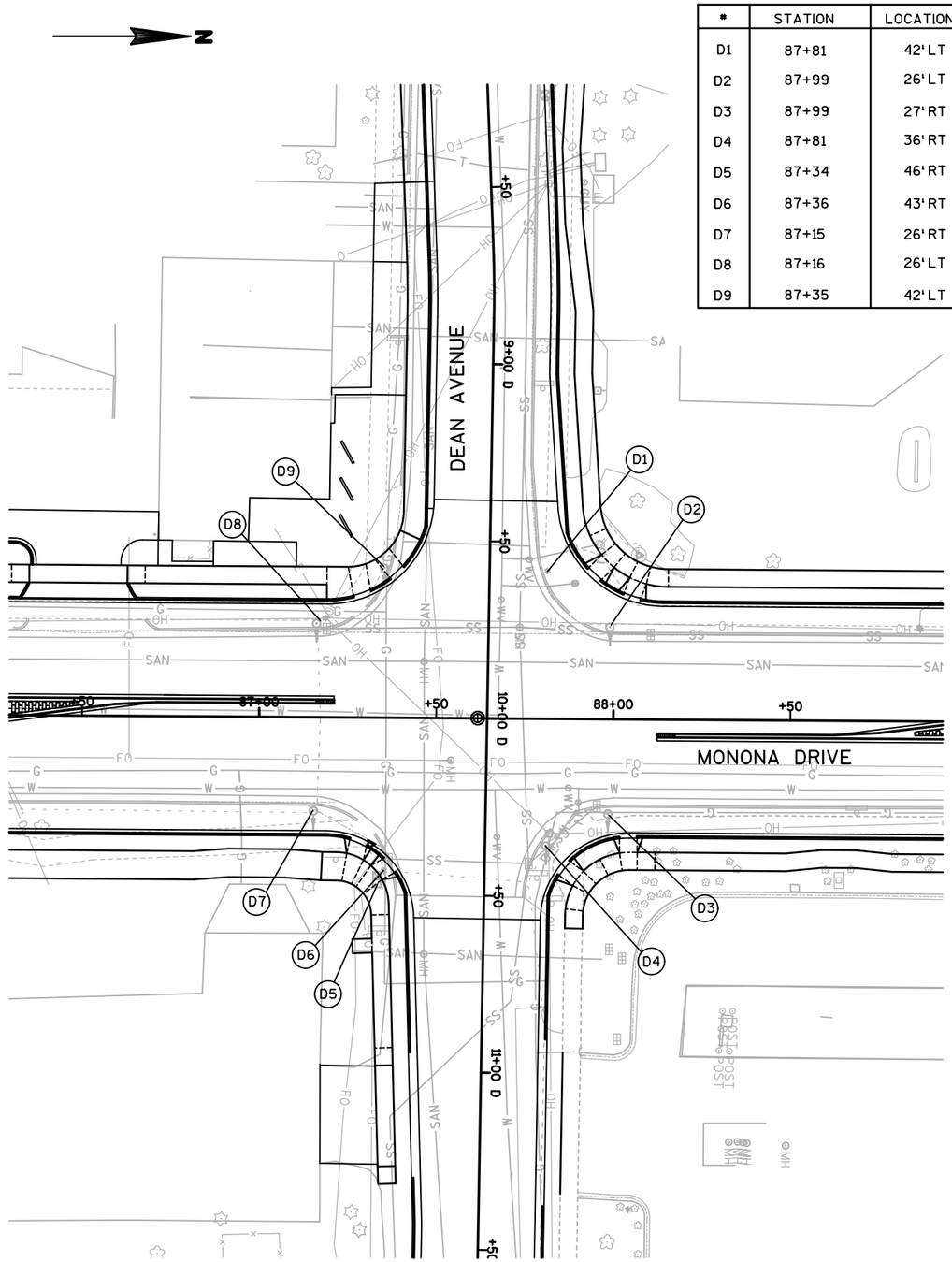
1. A PRECAST CONCRETE VAULT CONFORMING TO ASTM C913-08 MAY BE PROVIDED IN LIEU OF THE CAST-IN-PLACE VAULT DETAILED AT CONTRACTOR'S OPTION AND SUBJECT TO ENGINEER'S APPROVAL.
2. CONCRETE TOP SLAB MAY BE CAST ON THE GROUND AND PLACED ON TOP OF WALLS AT CONTRACTOR'S OPTION AND SUBJECT TO ENGINEER'S APPROVAL.
3. AT CONTRACTOR'S OPTION, TOP SLAB MAY BE FORMED USING 3.0 C18 (3" DEEP, 18 GAUGE) GALVANIZED STEEL STAY-IN-PLACE FORM DECK CONFORMING TO ASTM A653 GRADE A AND ASTM A924 G90.
4. THE FIRST ONE OR TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
5. BAR QUANTITIES ARE FOR INFORMATION ONLY.
6. FIELD CUT WALL REINFORCING AROUND PIPE OPENINGS AS REQUIRED.
7. FIELD CUT TOP SLAB REINFORCING AROUND INLET COVER OPENINGS AS REQUIRED.

#	STATION	LOCATION
NP1	61+46	33' LT
NP2	61+46	45' LT
NP3	61+57	43' LT
NP4	62+15	43' LT
NP5	62+25	34' LT
NP6	62+26	40' RT
NP7	62+16	48' RT
NP8	61+53	50' RT
NP9	61+44	41' RT
NP10	61+13	41' RT



PFLAUM ROAD INTERSECTION

#	STATION	LOCATION
D1	87+81	42' LT
D2	87+99	26' LT
D3	87+99	27' RT
D4	87+81	36' RT
D5	87+34	46' RT
D6	87+36	43' RT
D7	87+15	26' RT
D8	87+16	26' LT
D9	87+35	42' LT



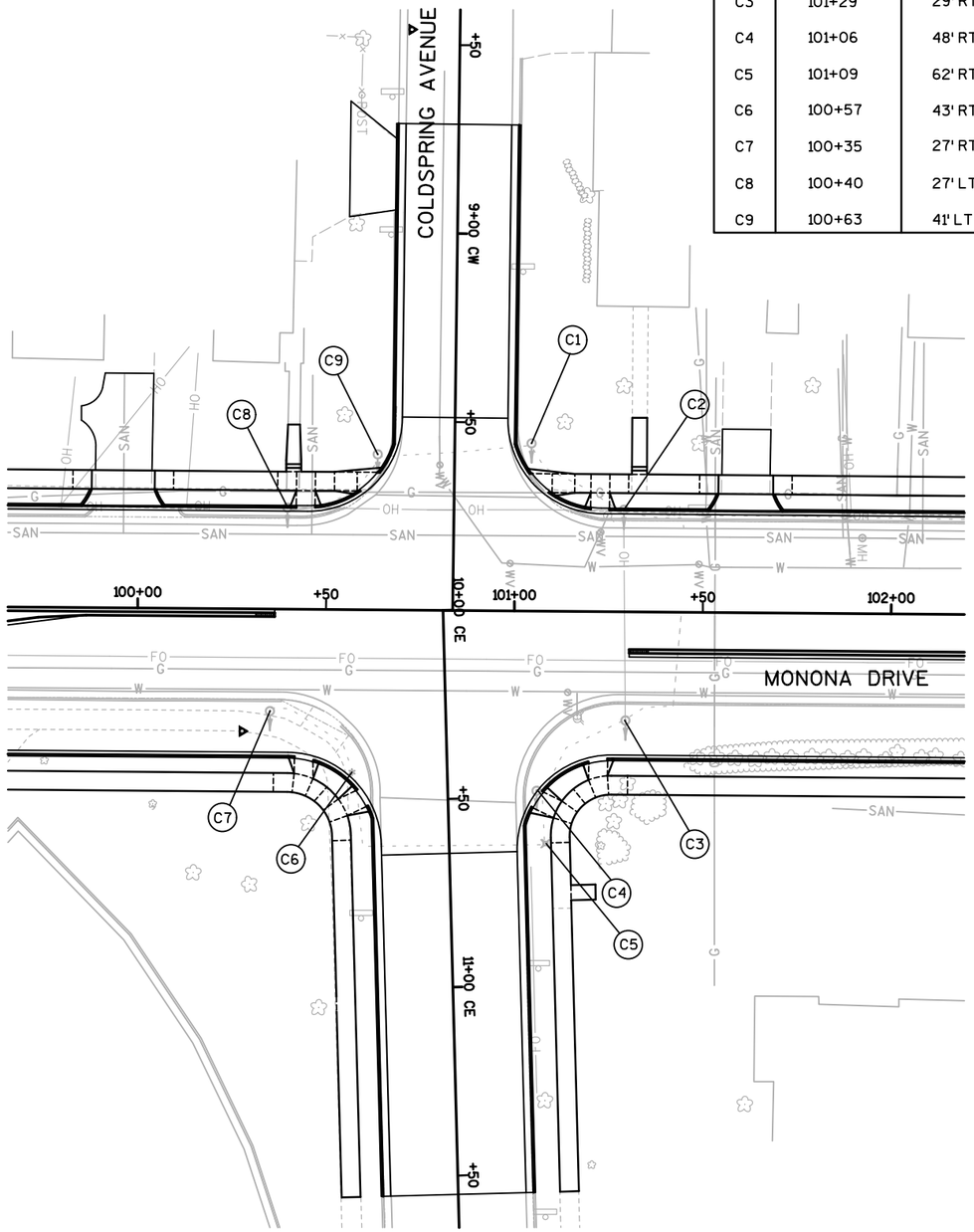
DEAN AVENUE INTERSECTION

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL CONCRETE BASE REMOVAL DETAIL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\021020_cd.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

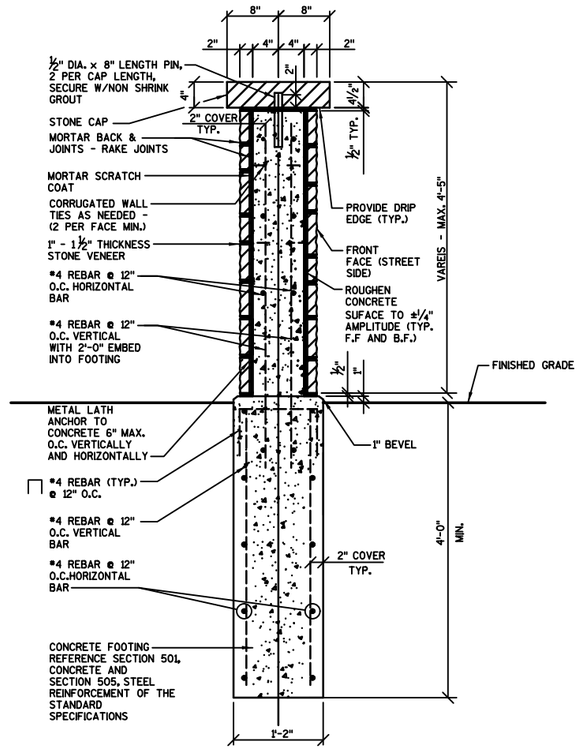
#	STATION	LOCATION
C1	101+04	45' LT
C2	101+29	27' LT
C3	101+29	29' RT
C4	101+06	48' RT
C5	101+09	62' RT
C6	100+57	43' RT
C7	100+35	27' RT
C8	100+40	27' LT
C9	100+63	41' LT



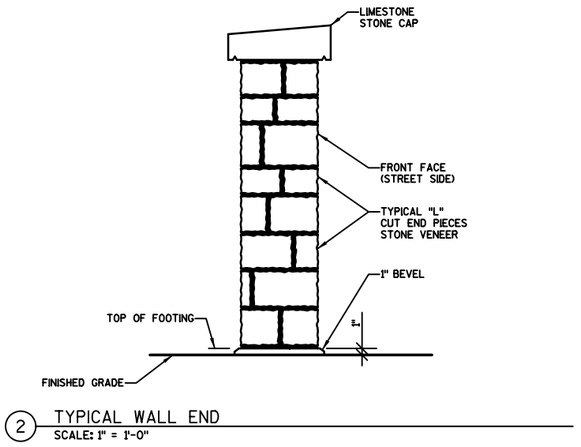
COLDSPRING AVENUE INTERSECTION

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL CONCRETE BASE REMOVAL DETAIL	SHEET	E

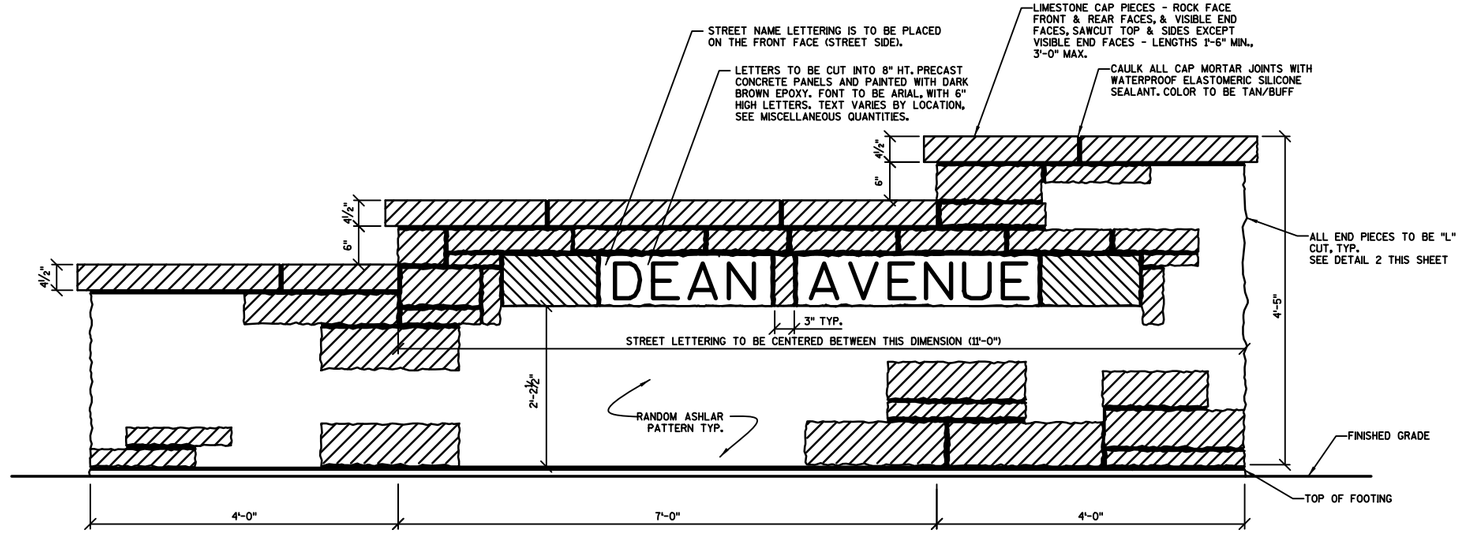
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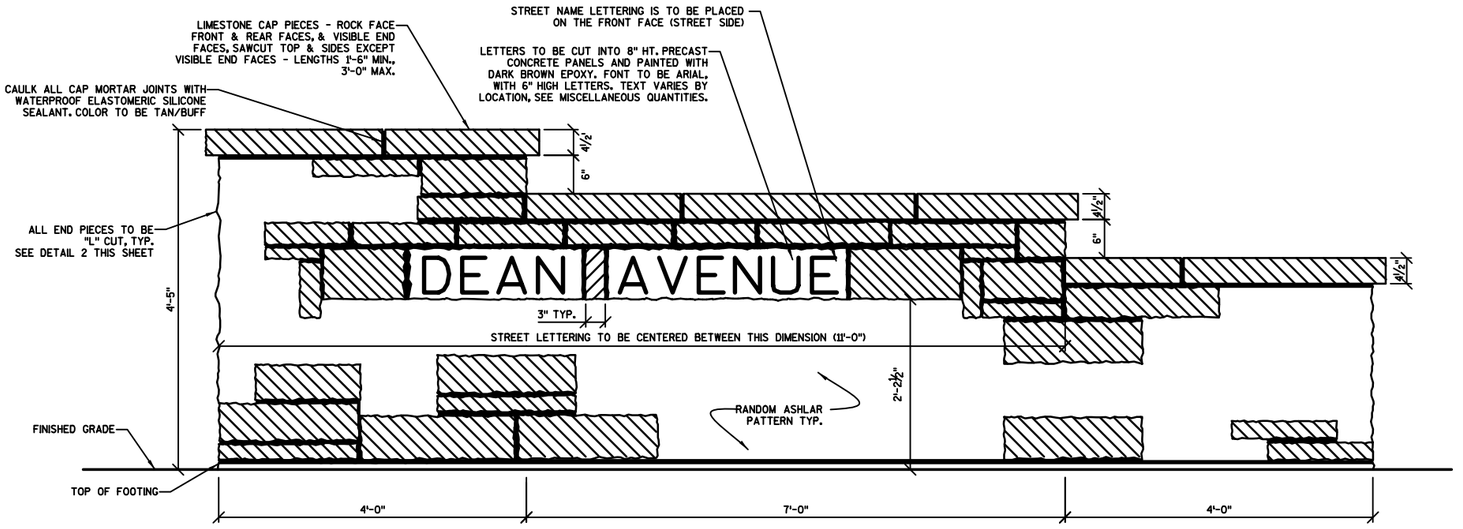
1 WALL SECTION
SCALE: 1" = 1'-0"



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



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

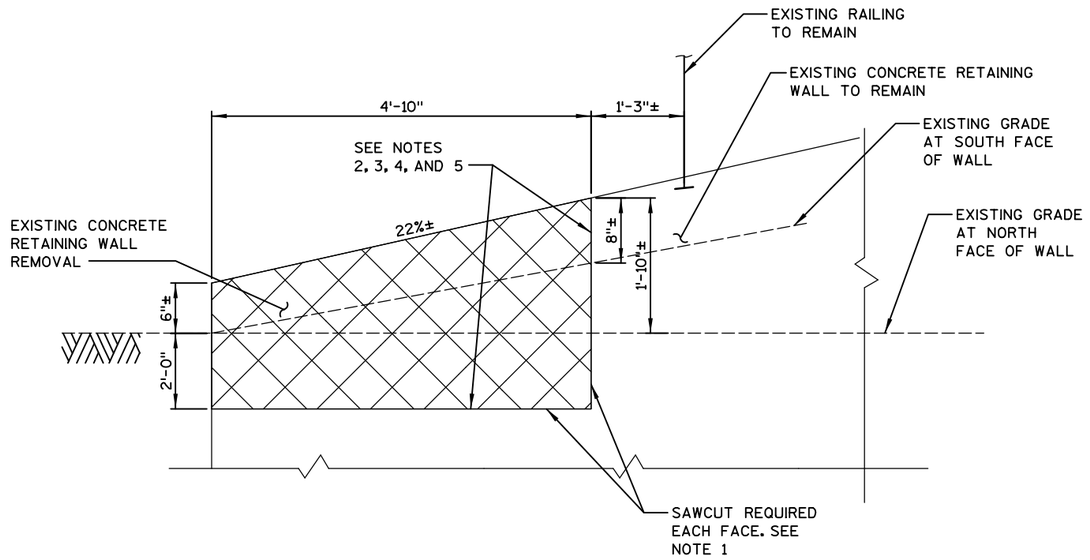


4 WALL ELEVATION (CONDITION 2)
SCALE: 1" = 1'-0"

STONE VENEER WALL

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 FOR APPROVAL PRIOR TO INSTALLATION.
4. STONE SECURED TO CONCRETE CORE WITH MASONRY MORTAR.
5. MORTAR COLOR TO BE TAN/BUFF. SUBMIT PROPOSED MORTAR SUPPLIER/COLOR FOR APPROVAL PRIOR TO INSTALLATION.
6. SUBMIT SHOP DRAWINGS INDICATING DIMENSION AND COLOR OF PRECAST CONCRETE PANELS FOR APPROVAL PRIOR TO FABRICATOIN.
7. SILICONE CAULK TO BE TAN/BUFF. SUBMIT PROPOSED SUPPLIER/COLOR FOR APPROVAL PRIOR TO INSTALLATION.
8. CONDITION 1 AND CONDITION 2 BOTH APPLY TO WALL AT LOFTY AVENUE.



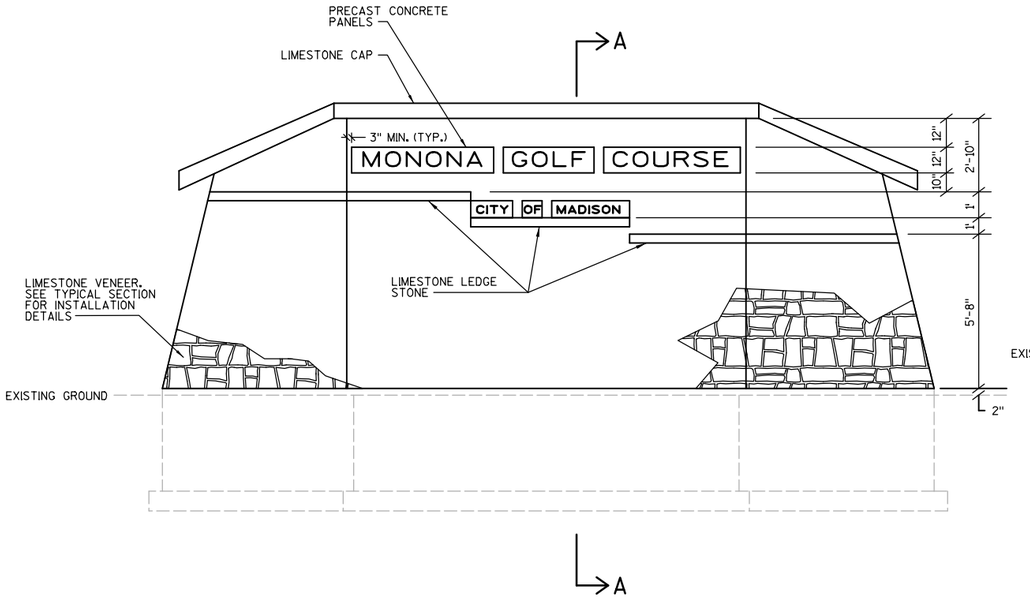
ELEVATION

SHOWING WALL DEMOLITION
(LOOKING NORTH)

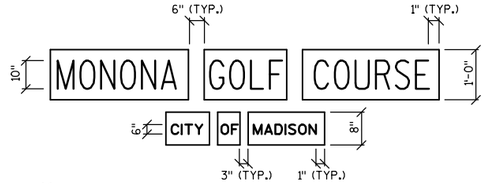
PARTIAL WALL REMOVAL AND RECONSTRUCTION STA. 63+13 LT

GENERAL NOTES

1. SAWCUT FULL DEPTH THE VERTICAL AND HORIZONTAL WALL SURFACES WHERE SHOWN TO PROVIDE A CLEAN AND NEAT SURFACE.
2. BURN BACK EXISTING REINFORCING 2" AND FILL HOLES WITH NON-SHRINK GROUT.
3. ROUGHEN END OF WALL CONCRETE SURFACE TO 1/4" AMPLITUDE.
4. SATURATE END OF WALL CONCRETE SURFACE WITH WATER AND CAREFULLY COVER END OF WALL WITH A PORTLAND CEMENT AND FINE AGGREGATE MORTAR OF AS DRY A CONSISTENCY AS POSSIBLE TO USE. FOR EXPOSED SURFACES, ADD AS MUCH WHITE CEMENT AS NECESSARY TO PROVIDE A MORTAR THE APPROXIMATE COLOR OF THE EXISTING CONCRETE. USE MORTAR THAT IS NOT MORE THAN ONE HOUR OLD.
5. WORK ITEMS DESCRIBED IN NOTES 2, 3, AND 4 SHALL BE INCIDENTAL TO REMOVING MASONRY BID ITEM.

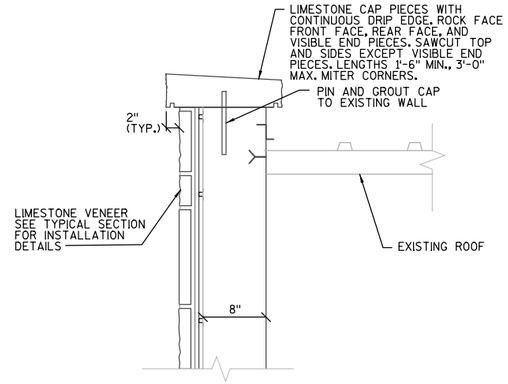


WEST ELEVATION

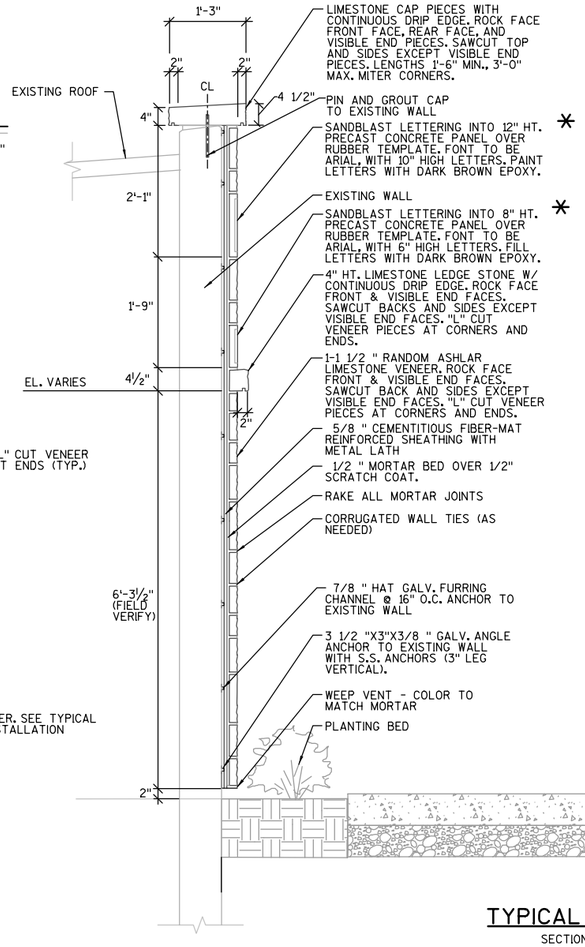


* PRECAST CONCRETE PANELS

CENTER PRECAST PANELS WITHIN FRONT FACE OF WALL

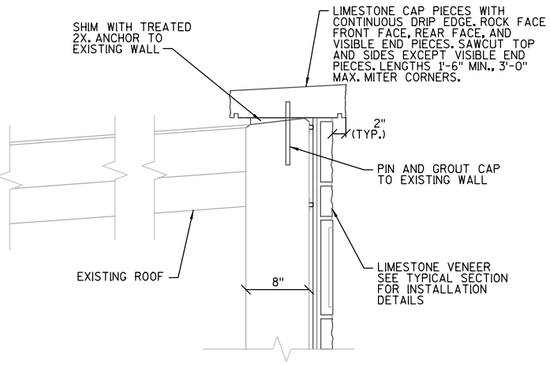


SECTION AT SIDE PARAPET

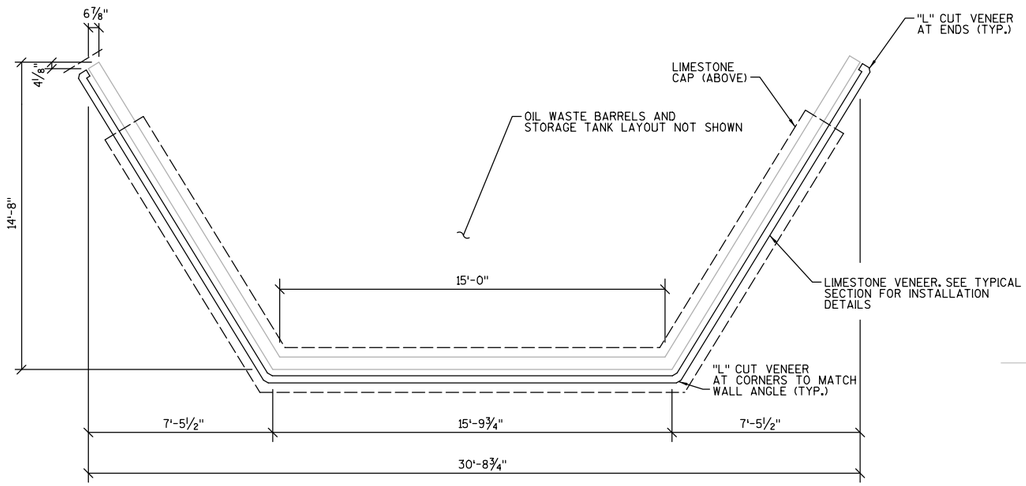


TYPICAL SECTION

SECTION A - A



SECTION AT FRONT PARAPET

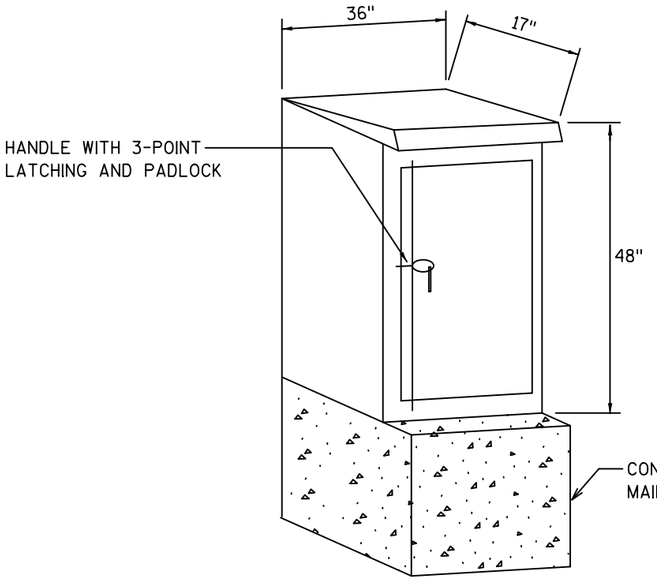


PLAN

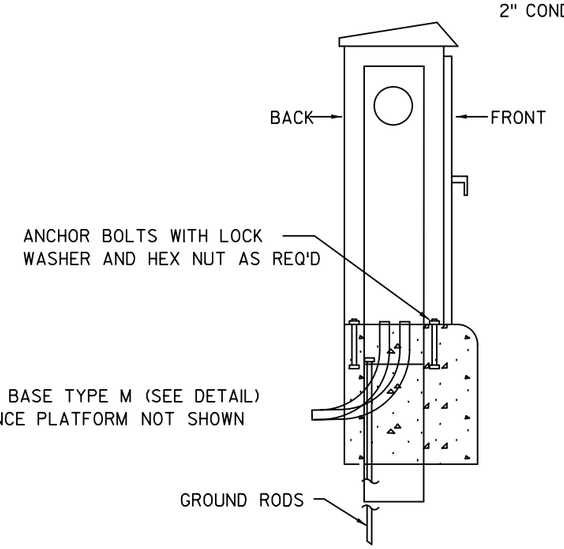
NOTES:

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 CEMENT BOARD WITH MASONRY MORTAR.
5. MORTAR COLOR TO BE TAN/BUFF. SUBMIT PROPOSED MORTAR SUPPLIER/COLOR.
6. SUBMIT SHOP DRAWINGS INDICATING DIMENSION & COLOR OF PRECAST CONCRETE PANELS FOR APPROVAL PRIOR TO FABRICATION.
7. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ANGLES.

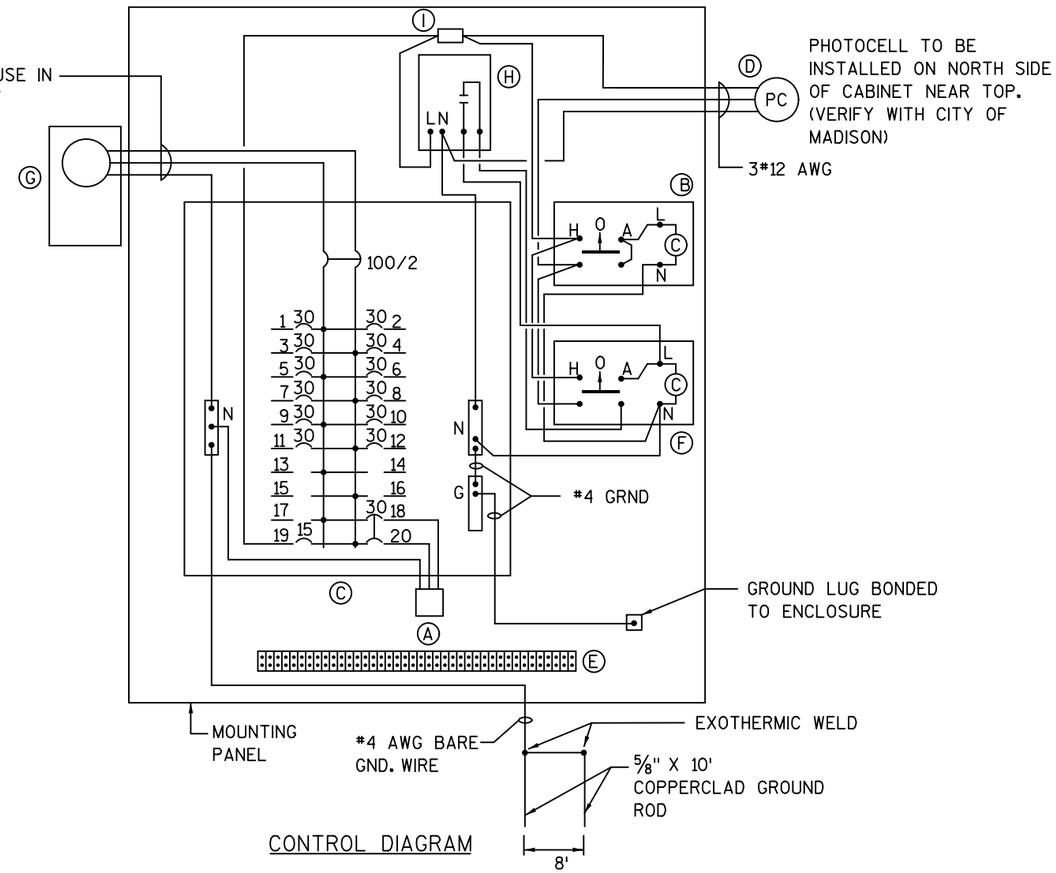
OIL DISPOSAL STONE VENEER WALL



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.

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.

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.

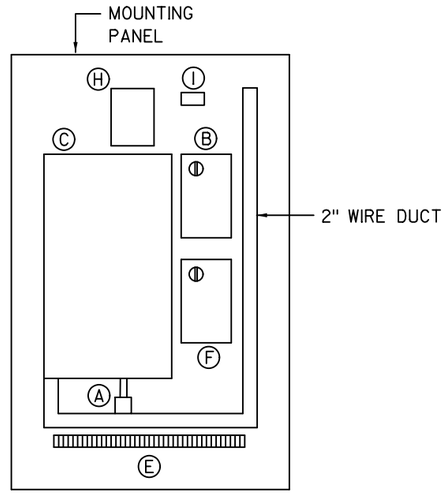
TIME CLOCK SHALL BE SET AS THE CITY OF MADISON DIRECTS.

CABINET SHALL NOT OVERLAP THE CONCRETE BASE.

POWER FOR STREETLIGHTING TO COME FROM METERED PEDESTAL.

EQUIPMENT

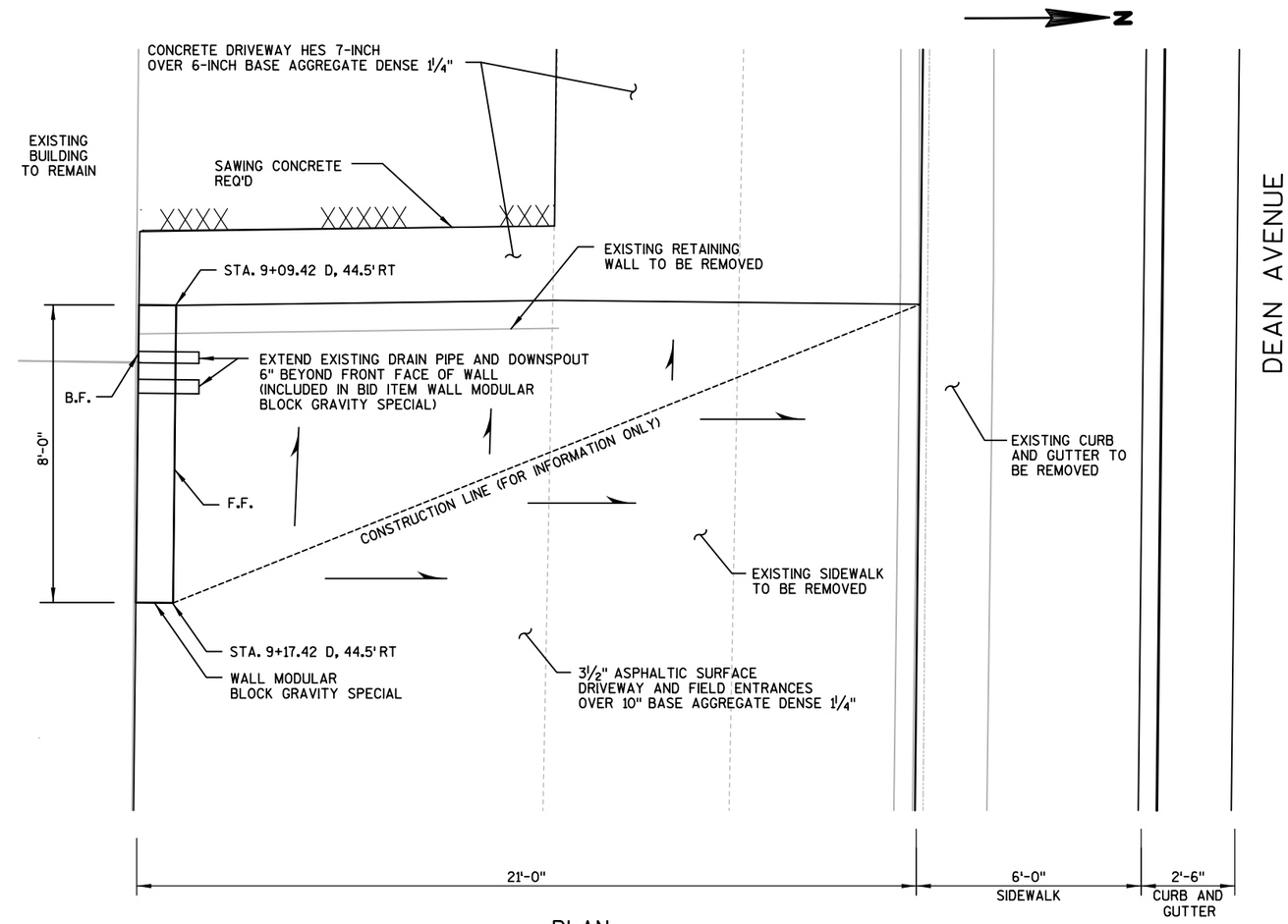
- (A) SURGE ARRESTOR
- (B) 8 POLE, 30A 600V ELECTRICALLY HELD "ALL NIGHT" CONTACTOR, 120V CONTROL COIL, H-O-A SWITCH, NEMA 1 ENCLOSURE
- (C) 100A MCB. 120/240V, 1PH. 3W. 20CKT., PANELBOARD WITH BOLT-ON BRANCH BREAKERS, 22000 A RMS INTERRUPTING CAPACITY.
- (D) BUTTON TYPE PHOTOCELL, 120V.
- (E) FIELD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



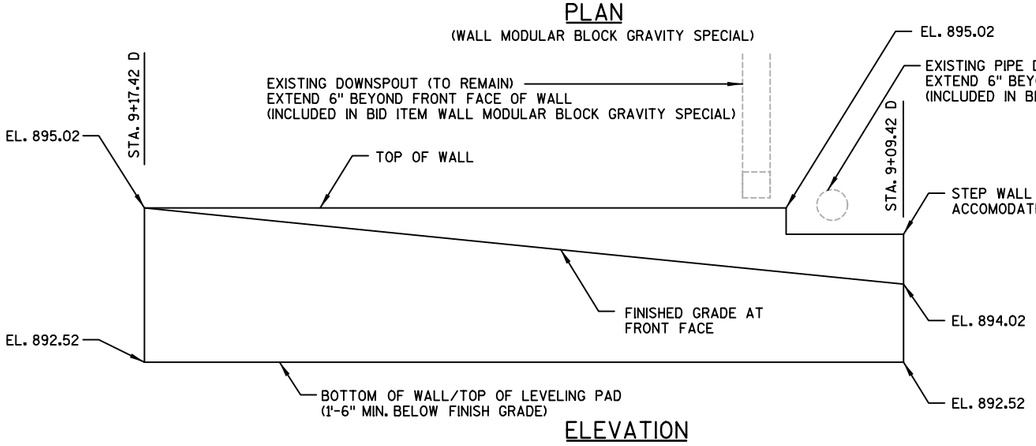
EQUIPMENT LAYOUT

LIGHTING CONTROL CABINET DETAIL
SCALE: NONE

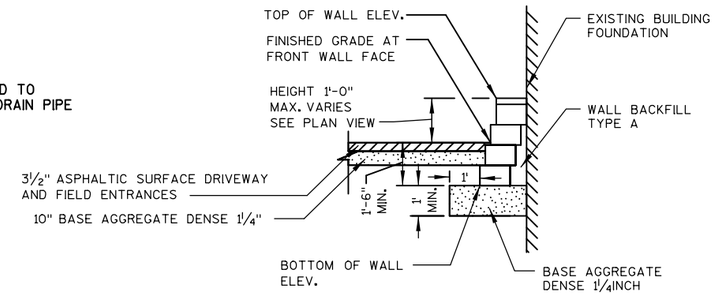
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 37	E



PLAN
(WALL MODULAR BLOCK GRAVITY SPECIAL)



ELEVATION



TYPICAL SECTION

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 SPECIAL.

PLANS, ELEVATION AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE 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. MAXIMUM EXPOSED WALL HEIGHT IS 1'-0".

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE BEHIND WALL AS SHOWN.

THE COLOR AND SURFACE TEXTURE OF THE BLOCK SHALL BE AS APPROVED BY THE CITY OF MONONA.

ALLOWABLE WALL SYSTEMS

WALL MODULAR BLOCK GRAVITY SPECIAL

TOTAL ESTIMATED QUANTITIES

WALL MODULAR BLOCK GRAVITY SPECIAL 20 S.F.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

SOIL PARAMETERS

ALLOWABLE SOIL BEARING CAPACITY: 2,500 PSF

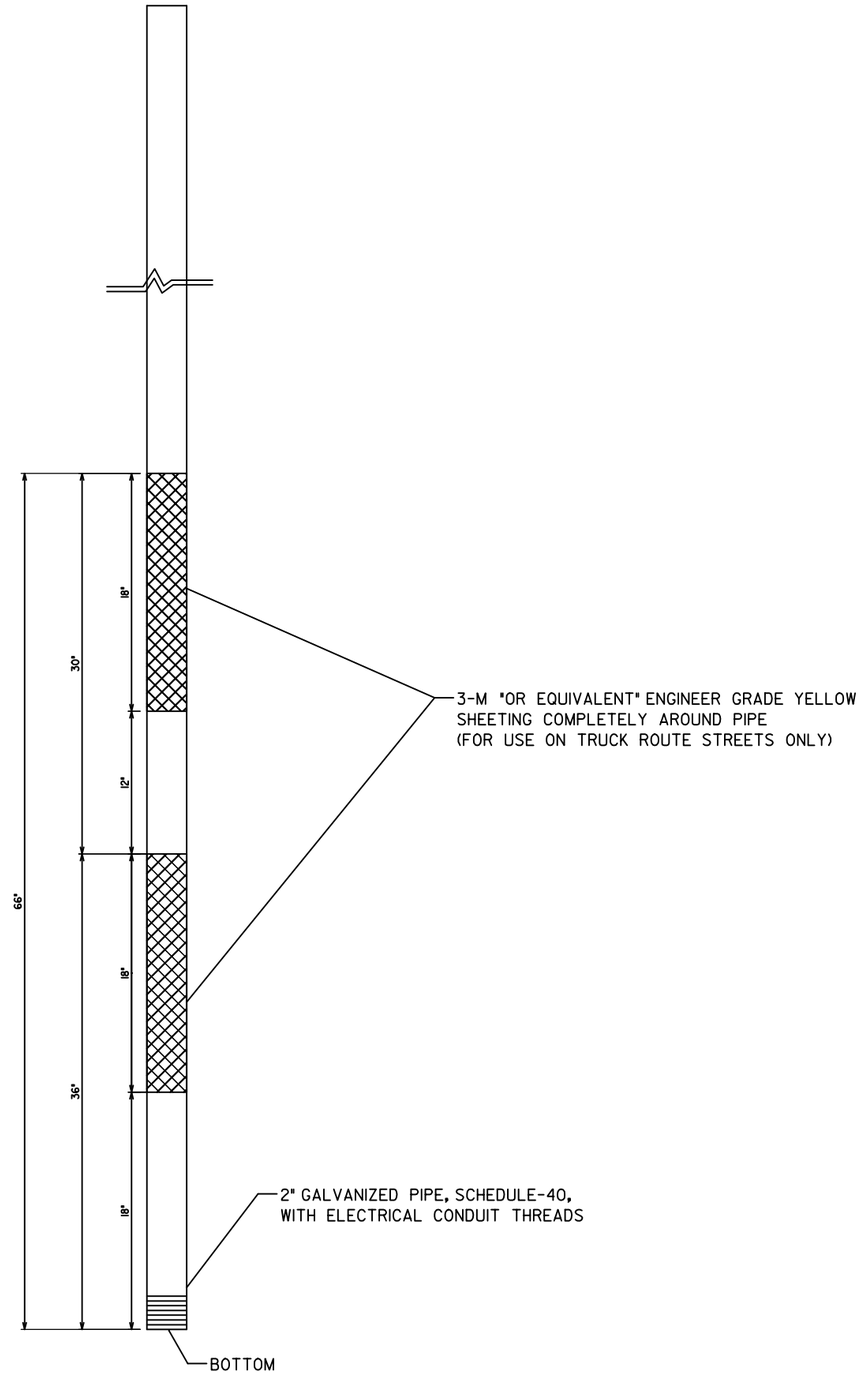
BORING LOCATION: THE BORING WAS PERFORMED 7-FEET NORTH AND 31-FEET WEST OF THE NORTHEAST CORNER OF THE EXISTING BUILDING AT 4701 MONONA DRIVE.

ELEVATION (FEET)			ESTIMATED SOIL PROPERTIES		
FROM	TO	MATERIAL/SOIL DESCRIPTION	DENSITY (PCF)	ANGLE OF INTERNAL FRICTION (DEGREES)	COHESION (PSF)
894.4	894.1	CONCRETE	150	---	---
894.1	893.2	FILL MATERIAL, BROWN LEAN CLAY	128	0	1,000
893.2	892.7	TOPSOIL	120	0	750
892.7	888.9	NATIVE MOTTLED LEAN CLAY (CL)	123.5	0	1,500
888.9	886.4	NATIVE MOTTLED LEAN CLAY (CL)	125.7	0	450
886.4	881.4	HIGHLY WEATHERED SANDSTONE BEDROCK	138	36	0
881.4	879.9	SANDSTONE BEDROCK	145	47	0

GEOMETRY TABLE

STATION	OFFSET TO F.F. WALL	COORDINATES	
		Y	X
9+09.42 D	44.5' RT	480,817.57	836,597.34
9+17.42 D	44.5' RT	480,817.43	836,605.34

WALL MODULAR BLOCK GRAVITY SPECIAL (STA. 9+13 D)



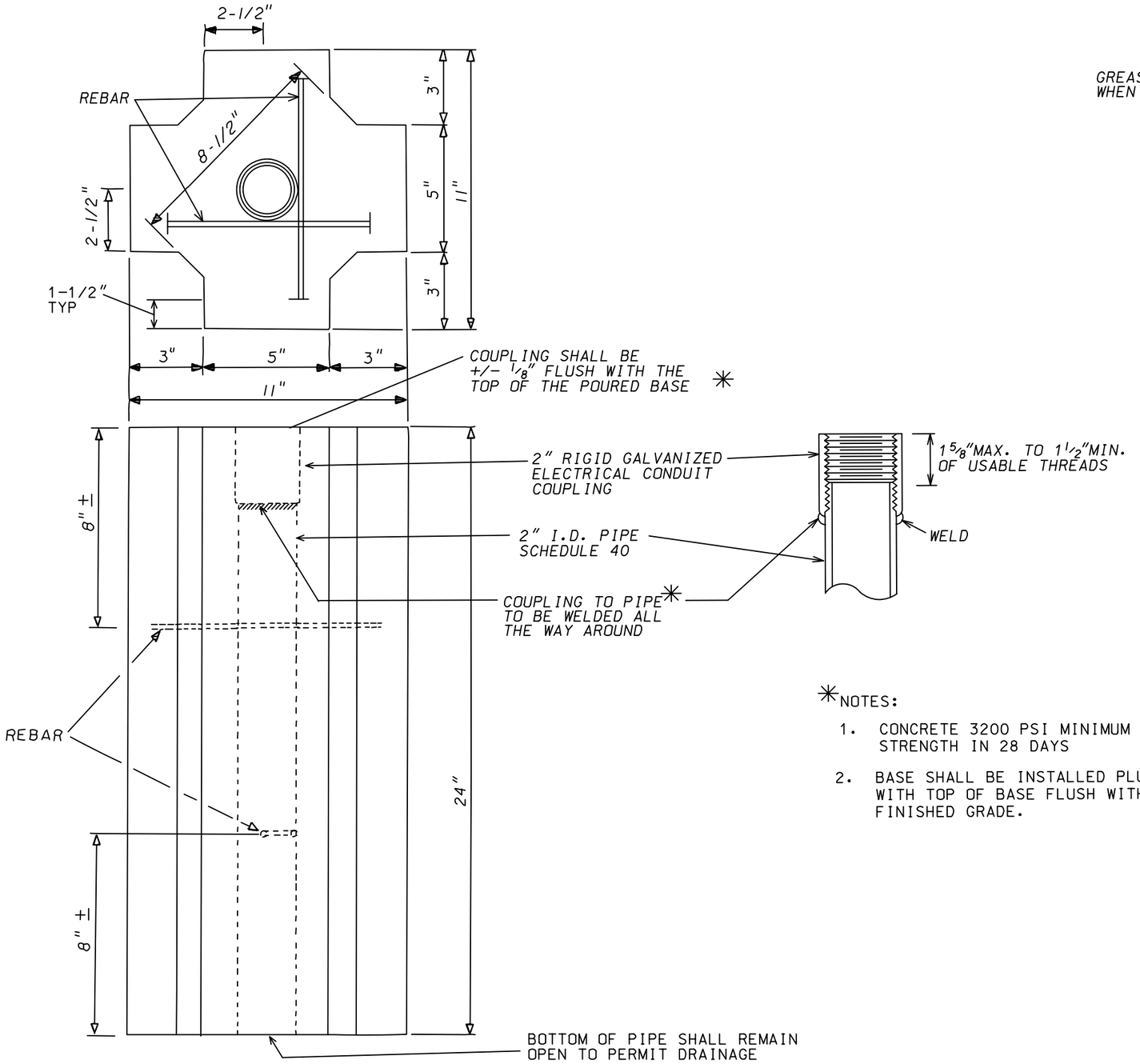
SIGN POST

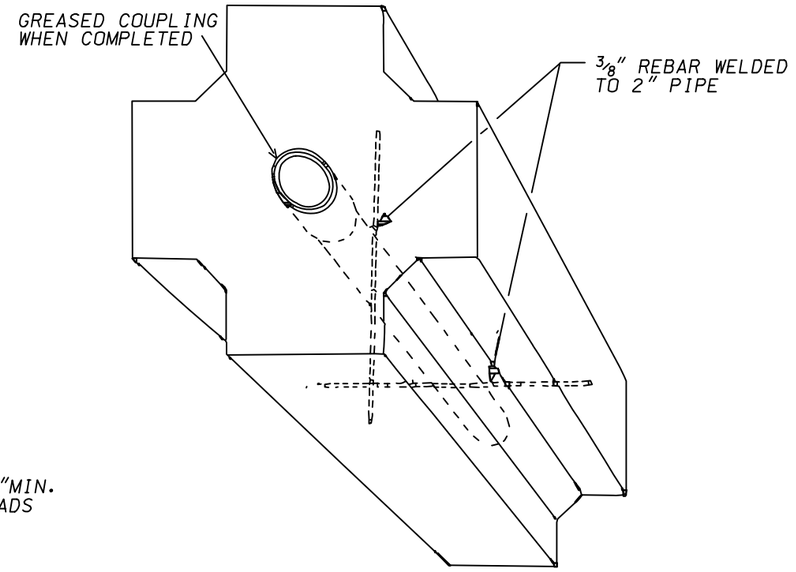
CITY OF MADISON
ENGINEERING DIVISION

SIGN POST DETAIL

STANDARD DETAIL DRAWING # 6.43

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 39	E





*NOTES:

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

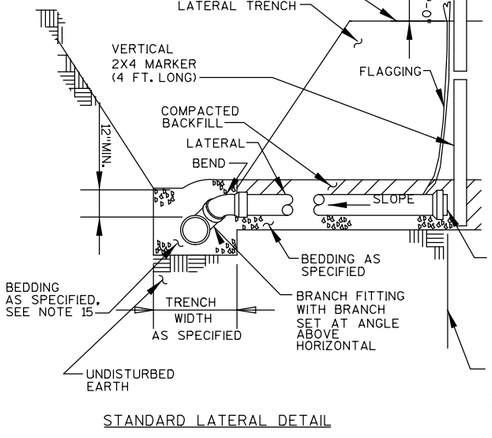
CITY OF MADISON
ENGINEERING DIVISION

PRECAST SIGN POST BASE DETAILS

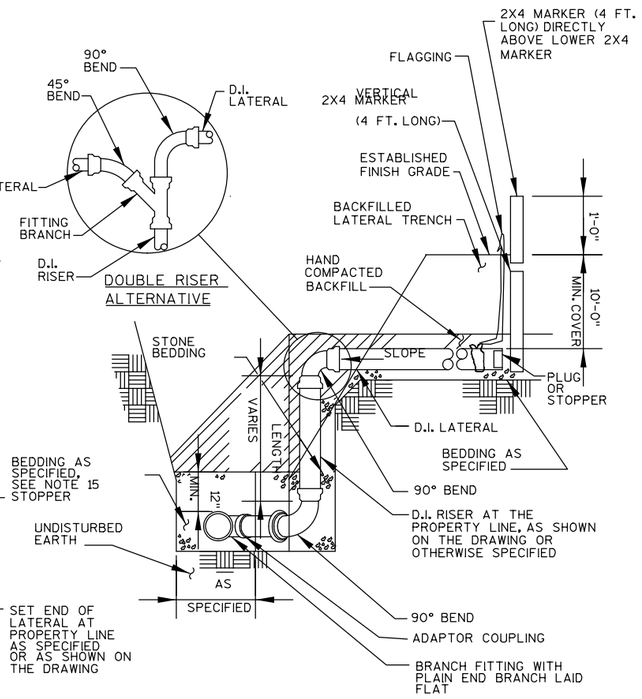
STANDARD DETAIL DRAWING # 6.42

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

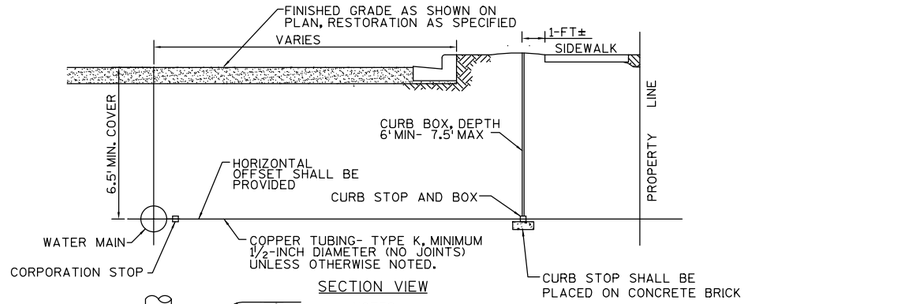
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\021026b_cd.dgn PLOT DATE : 10/29/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



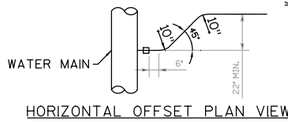
STANDARD LATERAL DETAIL



STANDARD RISER DETAIL



SECTION VIEW



HORIZONTAL OFFSET PLAN VIEW

NOTES
1. ALL FITTINGS SHALL BE FLARED OR COMPRESSION JOINT TYPE, AND CONFORM TO AWWA REQUIREMENTS
2. CORPORATION STOP TO BE TAPPED INTO DUCTILE IRON WATER MAIN, UNLESS OTHERWISE SPECIFIED, AND ATTACHED TO PVC WATER MAIN WITH A SADDLE
3. ALL TAPS TO BE MADE UNDER PRESSURE WHEN APPLICABLE.
4. NO TAPS TO BE CLOSER THAN 18" APART ALONG MAIN
5. ALL COPPER TUBE BENDS TO BE SMOOTH RADIUS, 10" MIN
6. WATER SERVICE LATERAL TO BE TESTED ALONG WITH WATER MAIN, UNLESS IT IS AN EXISTING SERVICE BEING RECONNECTED

RESIDENTIAL WATER SERVICE

SANITARY SEWER LATERALS

NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY BODIES OF THE STATE AND APPLICABLE MUNICIPAL ORDINANCES.

2. DETAILS RELATIVE TO ITEMS SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

3. VARIATIONS IN DIMENSIONS AND DESIGN MAY BE PERMISSABLE, PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

4. ALL NEW CONSTRUCTION SHALL BE PLACED ON UNDISTURBED EARTH OR STONE BEDDING.

5. BEDDING CLASSES "B" AND "C" SHALL MEET OR EXCEED ASTM C12 REQUIREMENTS.

6. ALL LATERALS SHALL BE LAID AT A STANDARD SLOPE OF 1/4-INCH PER FOOT UNLESS OTHERWISE NOTED ON THE DRAWINGS, OR SPECIFIED. IN NO CASE SHALL LATERAL SLOPE BE LESS THAN 1/8-INCH PER FOOT. MAXIMUM LATERAL SLOPE SHALL BE 1 TO 1.

7. END PLUGS OR STOPPERS FOR THE ENDS OF LATERALS AND BRANCH FITTINGS SHALL BE PROVIDED.

8. 2x4'S SHALL BE PLACED AT ALL LATERALS ENDS SO THAT ONE PROTRUDES 12 INCHES ABOVE FINISHED GRADE AND ONE IS LOCATED IN THE GROUND AT THE END OF THE LATERAL. 2x4'S SHALL BE PAINTED FLOURESCENT ORANGE. 2x4'S SHALL EACH BE AT LEAST 4 FT. LONG.

9. BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 1 1/2-INCH CLEAR MINIMUM.

10. THE TOP OF ANY MANHOLE STRUCTURE SHALL BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER TO GRADE.

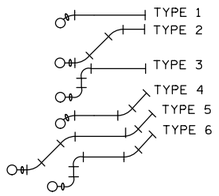
11. INSTALL DOUBLE RISERS WHERE SHOWN ON THE DRAWINGS OR SPECIFIED.

12. STANDARD LATERALS AND MODIFIED LATERALS SHALL BE CONSTRUCTED OF MATERIAL AS SPECIFIED.

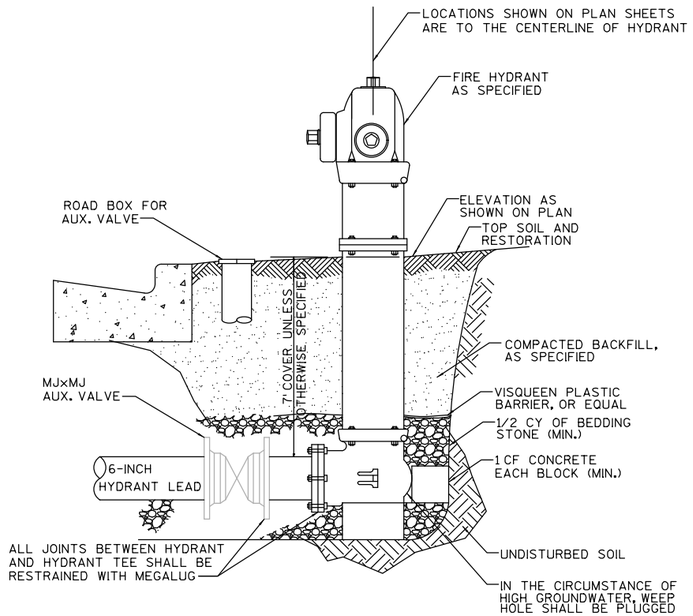
13. RISERS AND LATERALS FROM RISERS SHALL BE CONSTRUCTED OF DUCTILE IRON. FITTINGS FOR RISERS AND LATERALS FROM RISERS SHALL BE GRAY IRON OR DUCTILE IRON.

14. FLAGGING SHALL BE 4-INCH WIDE STANDARD ORANGE VINYL TAPE. TIE FLAGGING AROUND END OF ALL LATERALS AND EXTEND UNBROKEN TO FINISHED GRADE DIRECTLY ABOVE ENDS OF LATERALS.

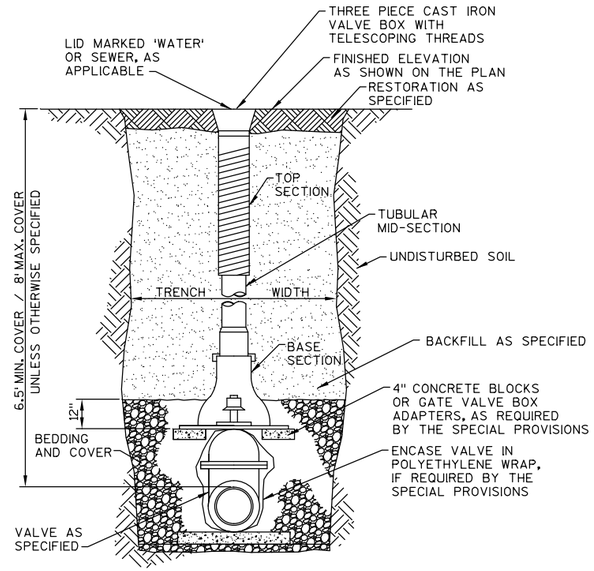
15. STONE BEDDING SHALL BE USED AROUND AND TO ONE FT. ABOVE TOP OF ALL SEWER MAINS AT LATERAL CONNECTIONS. PROVIDE BEDDING AS SPECIFIED ELSEWHERE.



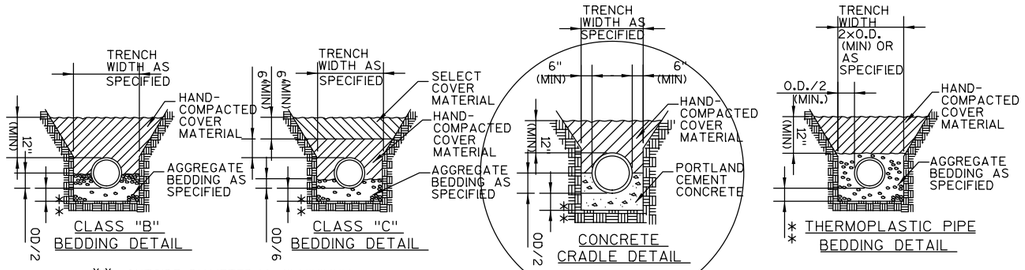
LATERAL TYPES

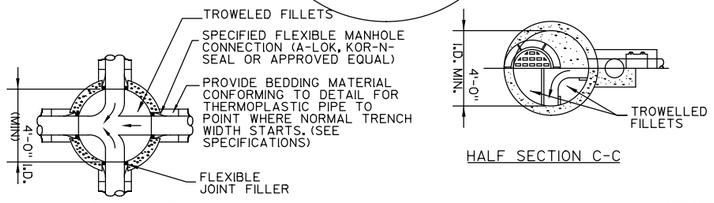


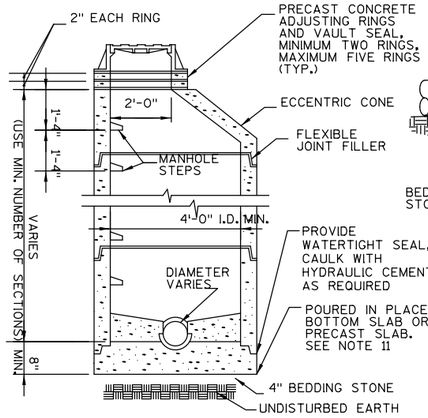
HYDRANT INSTALLATION

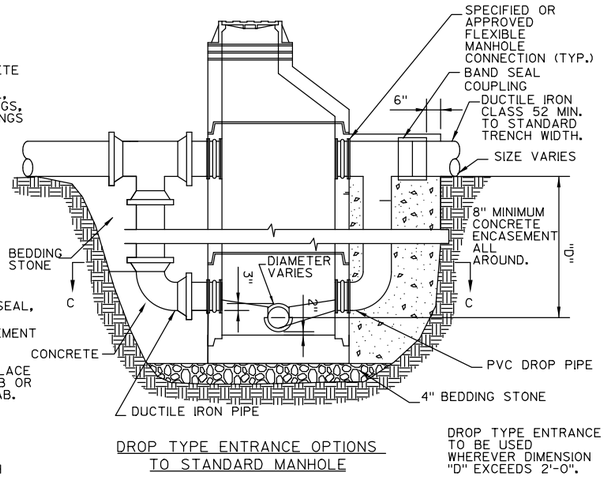


GATE VALVE ASSEMBLY









SANITARY SEWER APPURTANCES

NOTES

1. DETAILS RELATIVE TO ITEMS SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

2. VARIATIONS IN DIMENSIONS AND DESIGN MAY BE PERMISSABLE, PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

3. ALL CONCRETE FILLETS SHALL BE HAND TROWELED WITH A 1/4"/FT. SLOPE.

4. INSIDE DIMENSIONS FOR MANHOLES: USE MINIMUM 4' DIAMETER FOR SEWER LESS THAN 18" IN DIAMTER; USE MINIMUM 5' DIAMETER FOR SEWER 18" THRU 24" IN DIAMETER; USE MINIMUM 6' DIAMETER OR MINIMUM 6' SQUARE FOR SEWER OVER 24" IN DIAMETER.

5. BEDDING CLASSES "B" AND "C" SHALL MEET OR EXCEED ASTM C12 REQUIREMENTS.

6. DROP TYPE ENTRANCE TO STANDARD MANHOLE WILL BE PAID FOR SEPARATELY IF SO LISTED IN THE BID.

7. SEE DRAWINGS FOR DROP TYPE ENTRANCES FOR SANITARY SEWERS LARGER THAN 15".

8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY BODIES OF THE STATE AND APPLICABLE MUNICIPAL ORDINANCES.

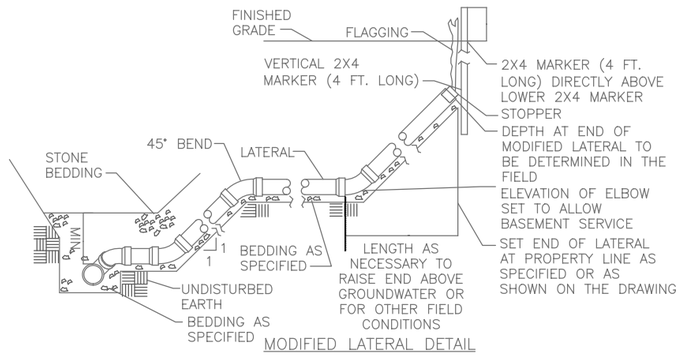
9. ALL NEW CONSTRUCTION SHALL BE PLACED ON UNDISTURBED EARTH OR STONE BEDDING.

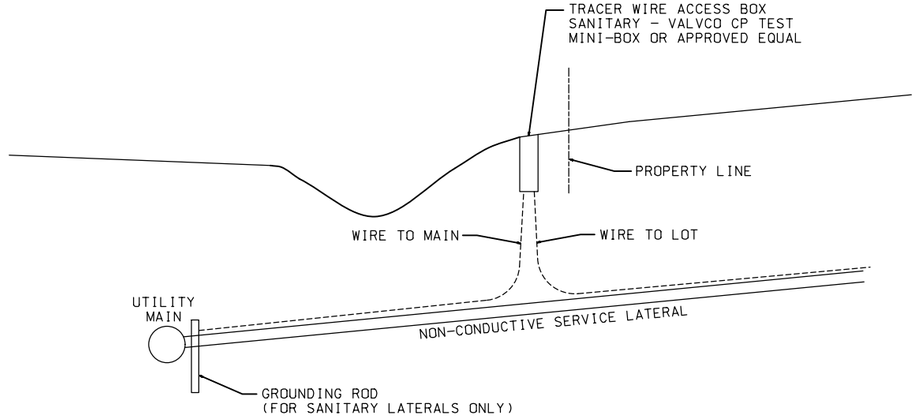
10. FLAT SLAB TOPS SHALL BE DESIGNED FOR H-20 TRUCK LOADING AND SHALL MEET REQUIREMENTS OF ASTM C-478.

11. BASE SLABS SHALL BE REINFORCED AS FOLLOWS: REINFORCING SHALL BE PLACED IN EACH DIRECTION AT 2" CLEAR FROM TOP SURFACE OF SLAB, REINFORCING SHALL BE GRADE 60. USE OF CAST-IN-PLACE SLAB SHALL NOT RELIEVE CONTRACTOR OF REQUIREMENTS TO PROVIDE WATERTIGHT JOINTS.

INSIDE DIA.	DEPTH	REINF.
4'	≤ 30'	#3@8"
5'	≤ 20'	#3@8"
5'	20'-30'	#4@10"
6'	≤ 20'	#4@10"
6'	20'-25'	#4@8"
6'	25'-30'	#4@6"

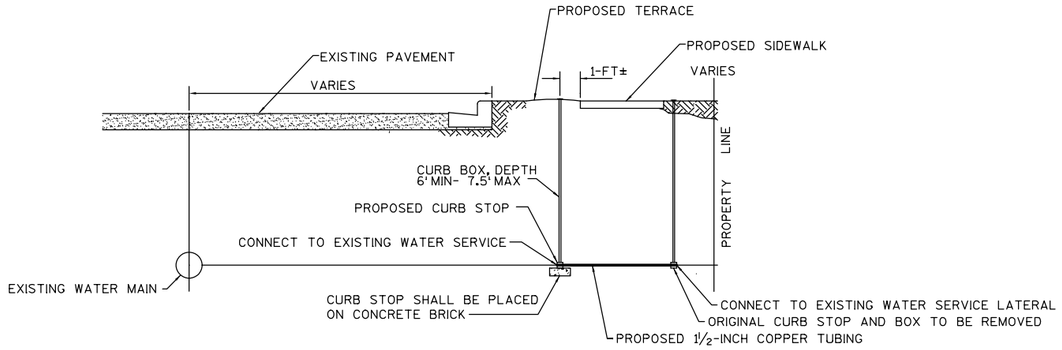
12. FLAT SLABS SHALL BE PROVIDED IN SHALLOW DEPTH SITUATIONS IN LIEU OF ECCENTRIC CONES.





NOTES:

1) TRACER WIRE ACCESS BOX TO INSTALLED NEAR THE PROPERTY LINE WITH EXACT LOCTATION TO BE DETERMINED BY THE ENGINEER.
2) TRACER WIRE ACCESS BOX COVER TO BE PERMANENTLY ENGRAVED WITH "SEWER" BY THE MANUFACTURER.
3) MIN 18" OF WIRE TO BE COILED WITHIN THE ACCESS BOX.
4) GROUNDING ROD TO BE A 2' LONG, $\frac{5}{8}$" DIAMETER STEEL GROUNDING ROD.
5) TRACER WIRE TO BE CONTINUOUS 10 GAUGE SOLID WIRE

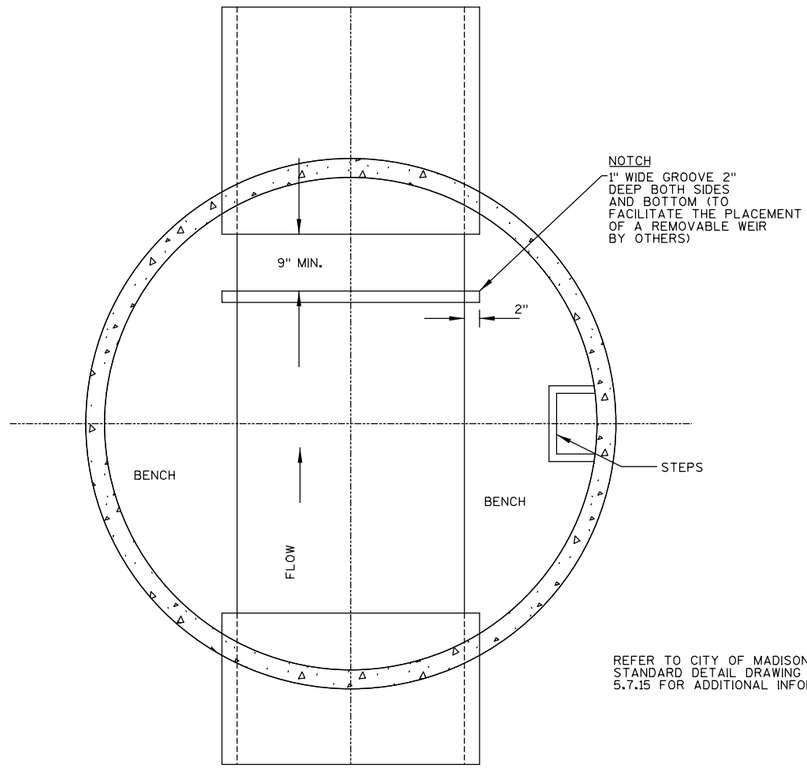


SECTION VIEW

CURB STOP RELOCATION

NOTES

1. ORIGINAL CURB STOP TO BE REMOVED AND NEW CURB STOP AND BOX SET IN PROPOSED TERRACE AREA.
2. CURB STOP RELOCATION INCLUDES UP TO 10 FEET OF WATER SERVICE, COPPER 1½-INCH AND COUPLINGS TO CONNECT TO EXISTING WATER SERVICES AT ORIGINAL CURB STOP LOCATION. NEW CURB STOP AND BOX INCLUDED IN WATER SERVICE, COPPER, 1½-INCH.
3. ALL FITTINGS SHALL BE FLARED OR COMPRESSION JOINT TYPE, AND CONFORM TO AWWA REQUIREMENTS.
4. WATER SERVICE LATERALS TO BE COPPER TUBING, TYPE K, MINIMUM 1½-INCH DIAMETER.



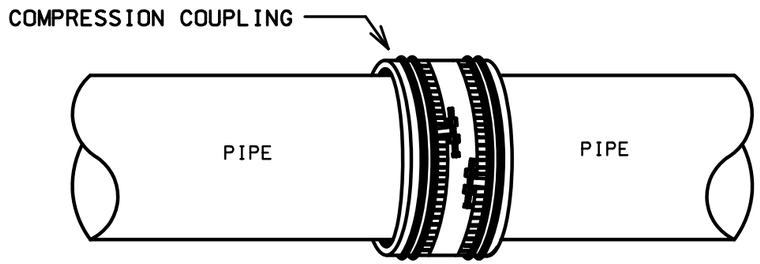
REFER TO CITY OF MADISON STANDARD DETAIL DRAWING 5.7.2 AND 5.7.15 FOR ADDITIONAL INFORMATION

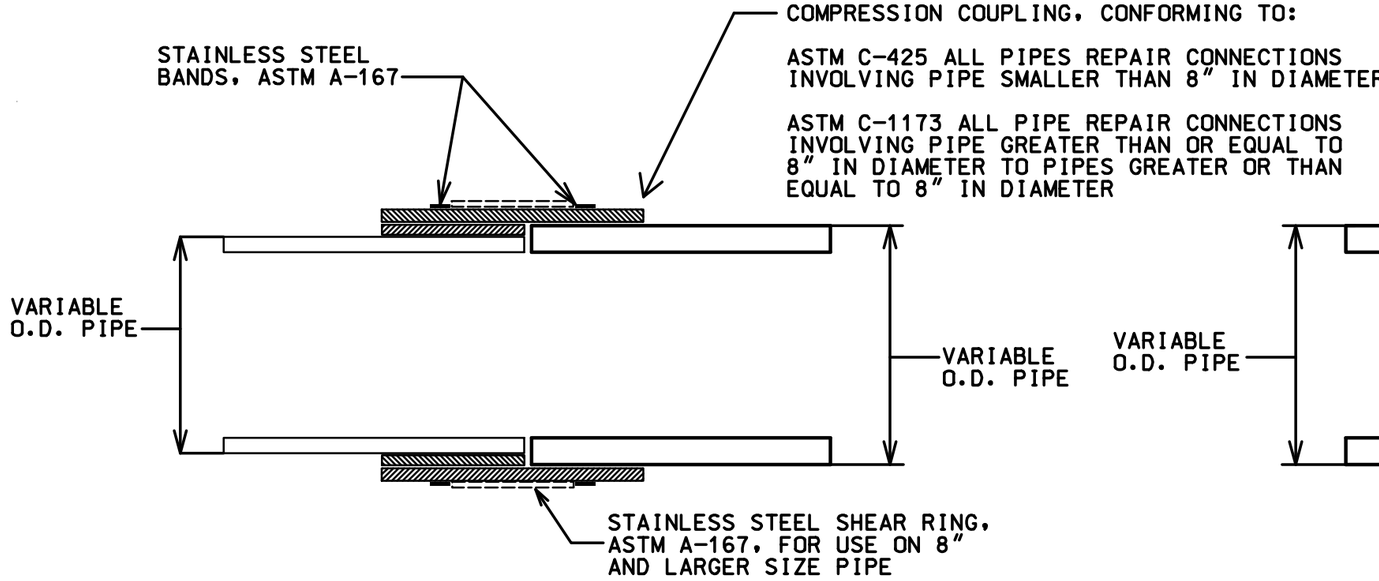
NOTCH DETAIL FOR SANITARY SEWER ACCESS STRUCTURE (6' DIAMETER) MMSD TYPE

(SANITARY MANHOLE NO. 64)

COMPRESSION COUPLING

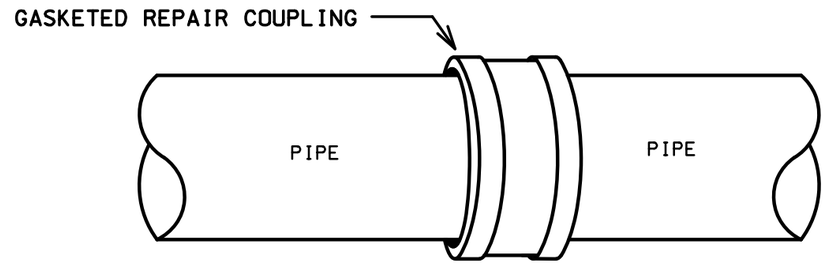
PIPES WITH DIFFERENT MATERIAL TYPES
PIPES WITH DIFFERENT OUTSIDE DIAMETERS

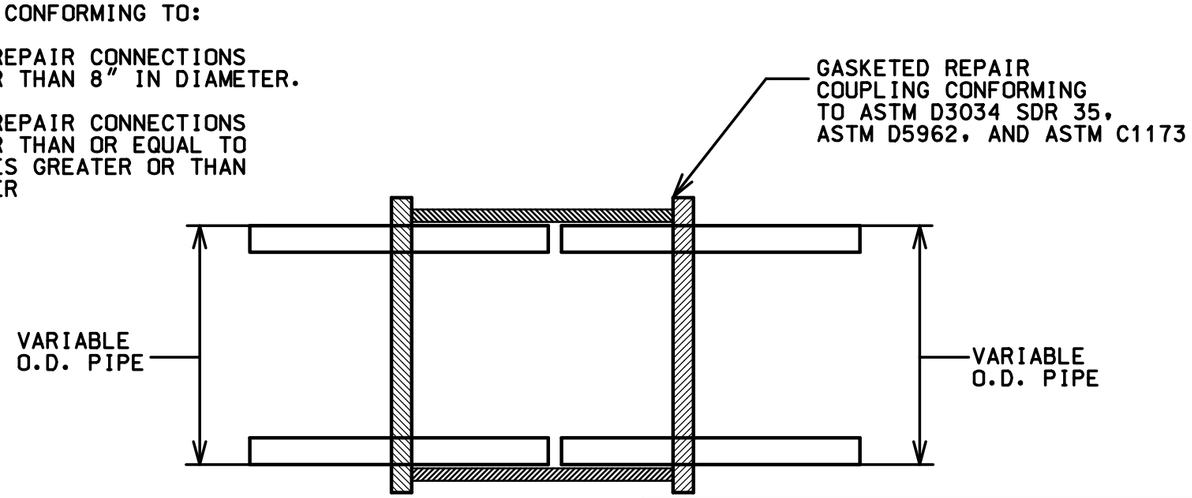




GASKETED REPAIR COUPLING

PVC TO PVC CONNECTION



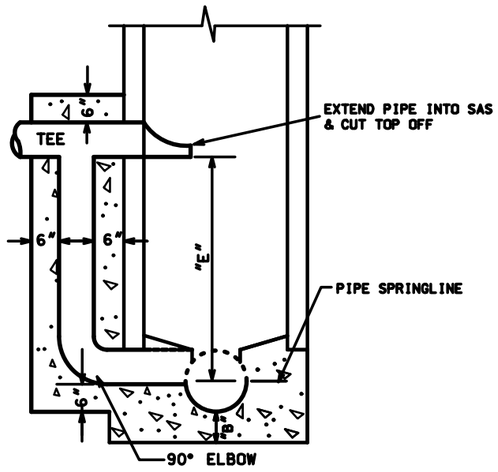


ALL REPAIRS INVOLVING PIPE CONNECTIONS 8" IN DIAMETER TO 8" IN DIAMETER OR LARGER SHALL UTILIZE THE FERNCO RC STRONGBACK OR EQUIVALENT REPAIR COUPLING. (ASTM C1173).

CITY OF MADISON
ENGINEERING DIVISION

COUPLING DETAILS

STANDARD DETAIL DRAWING 5.3.3



DETAIL A

SHOWING DROP INLET CONSTRUCTION FOR SANITARY SEWER MAINS & LATERALS

NOTES:

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

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

3) FOR CASTING DESIGNATION REFER TO STANDARD DETAIL DRAWING 5.7.16

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

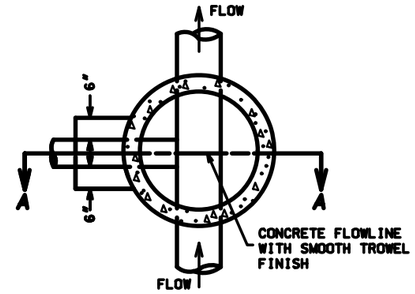
5) DROP INLET SHALL BE BUILT FOR ALL SEWER MAINS AND LATERALS WHEN "E" IS GREATER THAN 24". "E" SHOULD BE MEASURED FROM INVERT OF INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER. INSIDE DROP PER STANDARD DETAIL DRAWING 5.7.30 MAY BE INSTALLED FOR 4" AND 6" SERVICE CONNECTIONS WHERE OUTSIDE DROP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

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

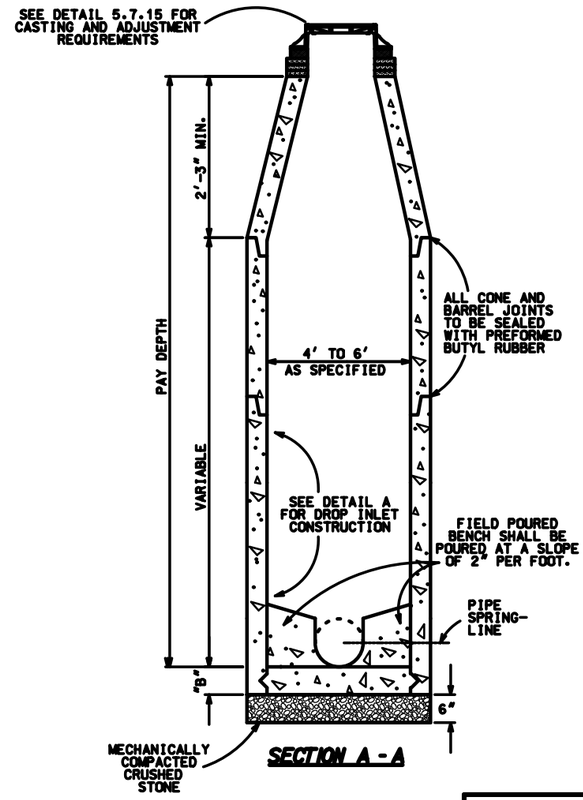
7) ALL BENCHES TO BE FIELD POURED CONCRETE WITH SMOOTH TROWEL FINISH. PRECAST BENCHES ONLY PERMITTED WITH PRIOR APPORVAL OF ENGINEER IN WRITING.

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

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



TOP VIEW



SECTION A-A

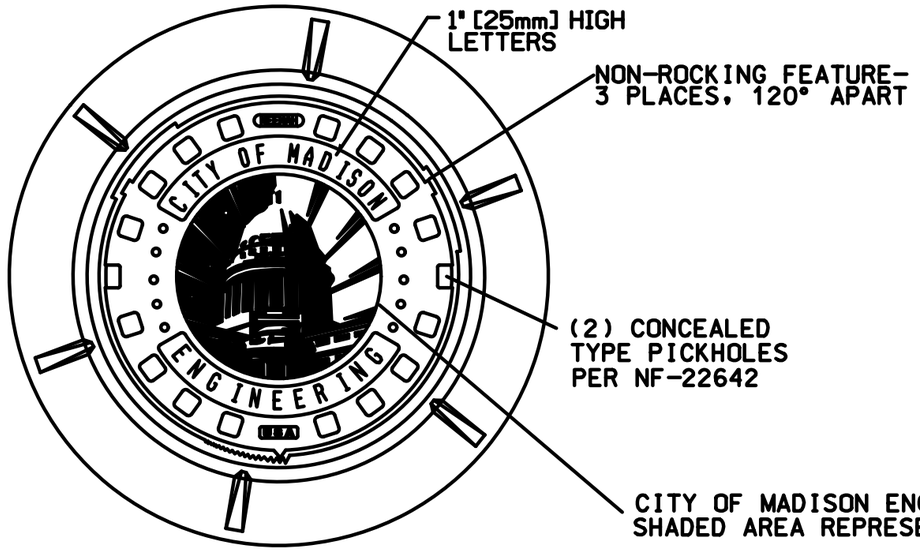
CITY OF MADISON
ENGINEERING DIVISION

SANITARY SEWER PRECAST SAS

STANDARD DETAIL DRAWING 5.7.2

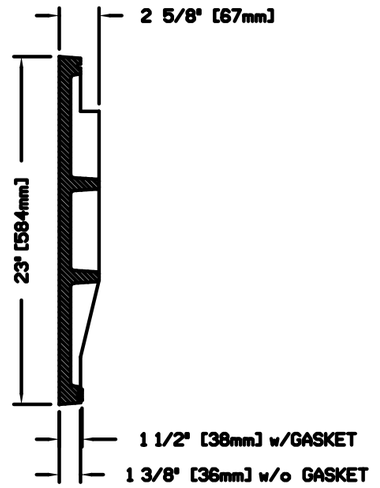
PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET	E

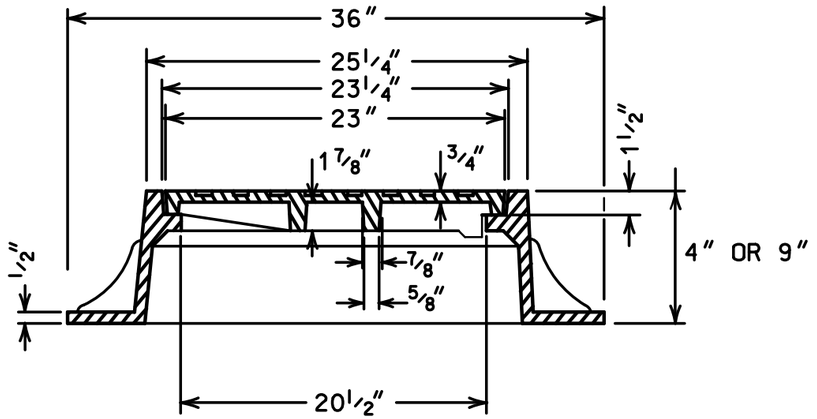
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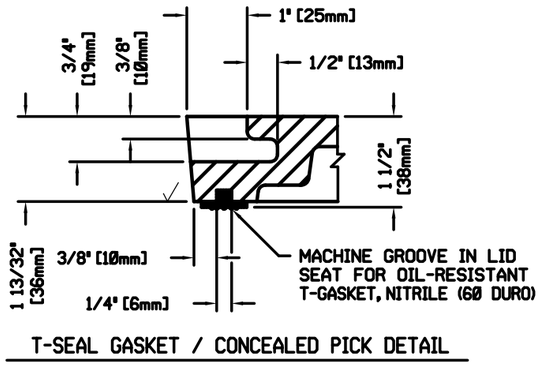


LOGO DETAIL









T-SEAL GASKET / CONCEALED PICK DETAIL

NOTES:

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

IF LOCKABLE LID IS NECESSARY, R-1920, 83/4" FRAME AND LID = 300 LBS
THERE IS NO CITY OF MADISON LOGO LID AVAILABLE FOR THIS FRAME AND CASTING.

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

1. R-1550, 9" NON-ROCKING ACCESS STRUCTURE FRAME.
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME (WHEN REQUESTED BY THE CITY CONSTRUCTION ENGINEER).
3. R-1920, 83/4" ACCESS STRUCTURE FRAME WITH LOCKING LID, TYPE 'F' LOCKS, AND CONCEALED PICK HOLES. TO BE USED IN GREENWAYS AND EASEMENTS.

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

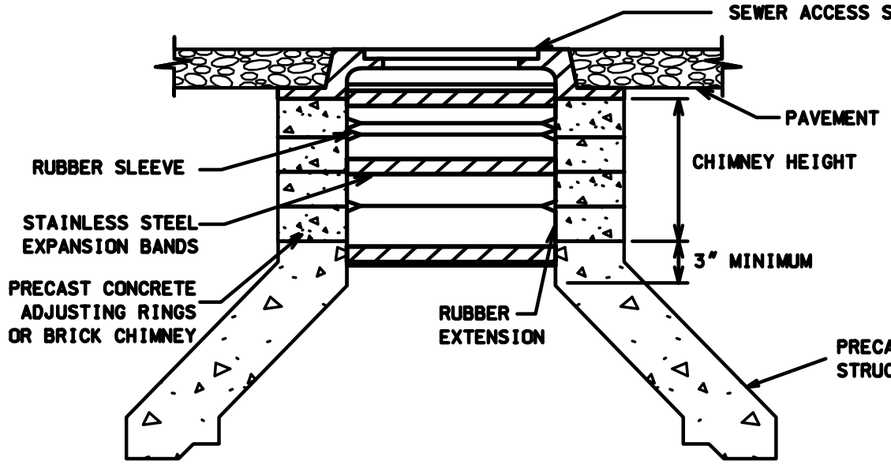
LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC]
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

CITY OF MADISON
ENGINEERING DIVISION

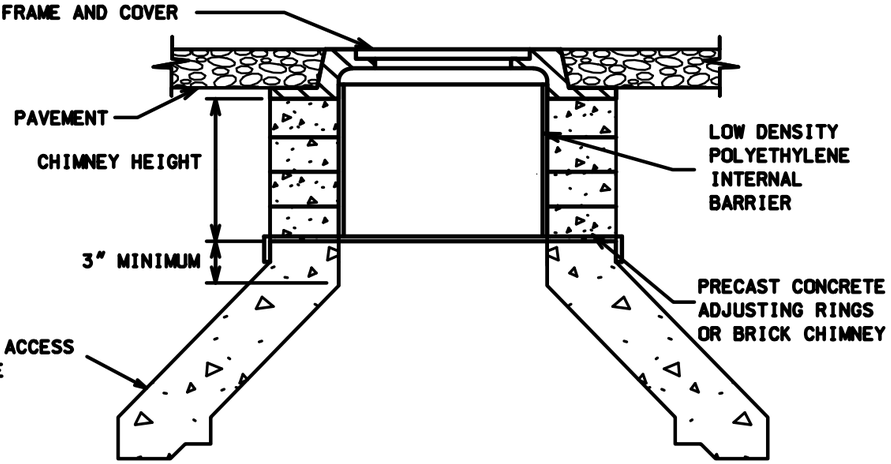
SAS FRAME & COVER

STANDARD DETAIL DRAWING 5.7.16

PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 46	E



FLEXIBLE INTERNAL RUBBER SLEEVE



LOW DENSITY POLYETHYLENE INTERNAL BARRIER

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

1) FLEXIBLE INTERNAL RUBBER SLEEVE

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

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

2) LOW DENISTY POLYETHYLENE INTERNAL BARRIER

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

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

CITY OF MADISON
ENGINEERING DIVISION

SAS INTERNAL CHIMNEY SEAL

STANDARD DETAIL DRAWING 5.7.17

PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 47	E

NOTES:

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

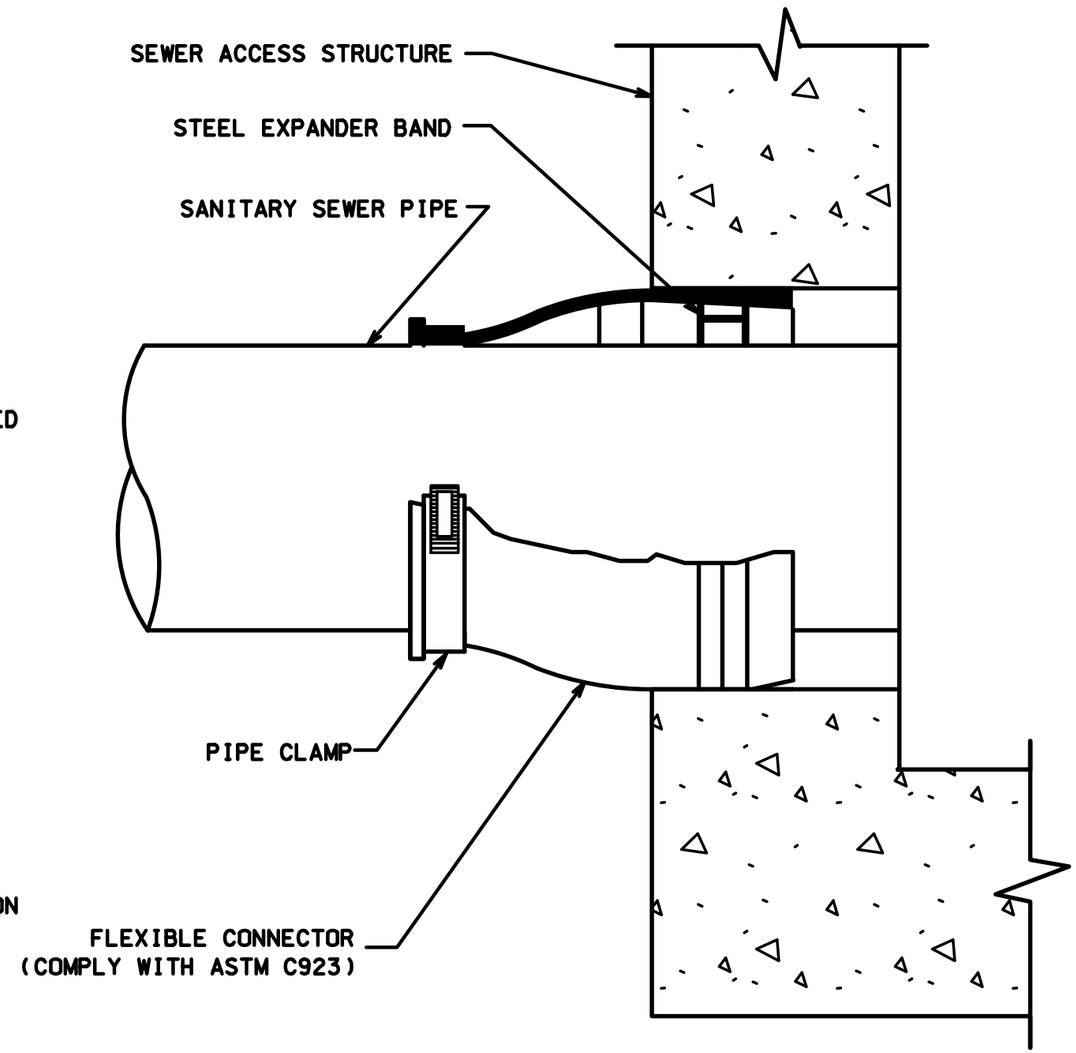
2. ALL STAINLESS STEEL ELEMENTS OF CONNECTOR SHALL BE TOTALLY NON-MAGNETIC SERIES 304 STAINLESS, EXCLUDING THE WORM SCREW FOR TIGHTENING THE STEEL BAND AROUND THE PIPE WHICH SHALL BE SERIES 305 STAINLESS. THE WORM SCREW FOR TIGHTENING THE STEEL BAND SHALL BE TORQUED BY A BREAK-AWAY TORQUE WRENCH AVAILABLE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

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

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

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

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



CITY OF MADISON
ENGINEERING DIVISION

FLEXIBLE PIPE TO S.A.S. CONNECTOR

STANDARD DETAIL DRAWING 5.7.31

PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 48	E

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
//////	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

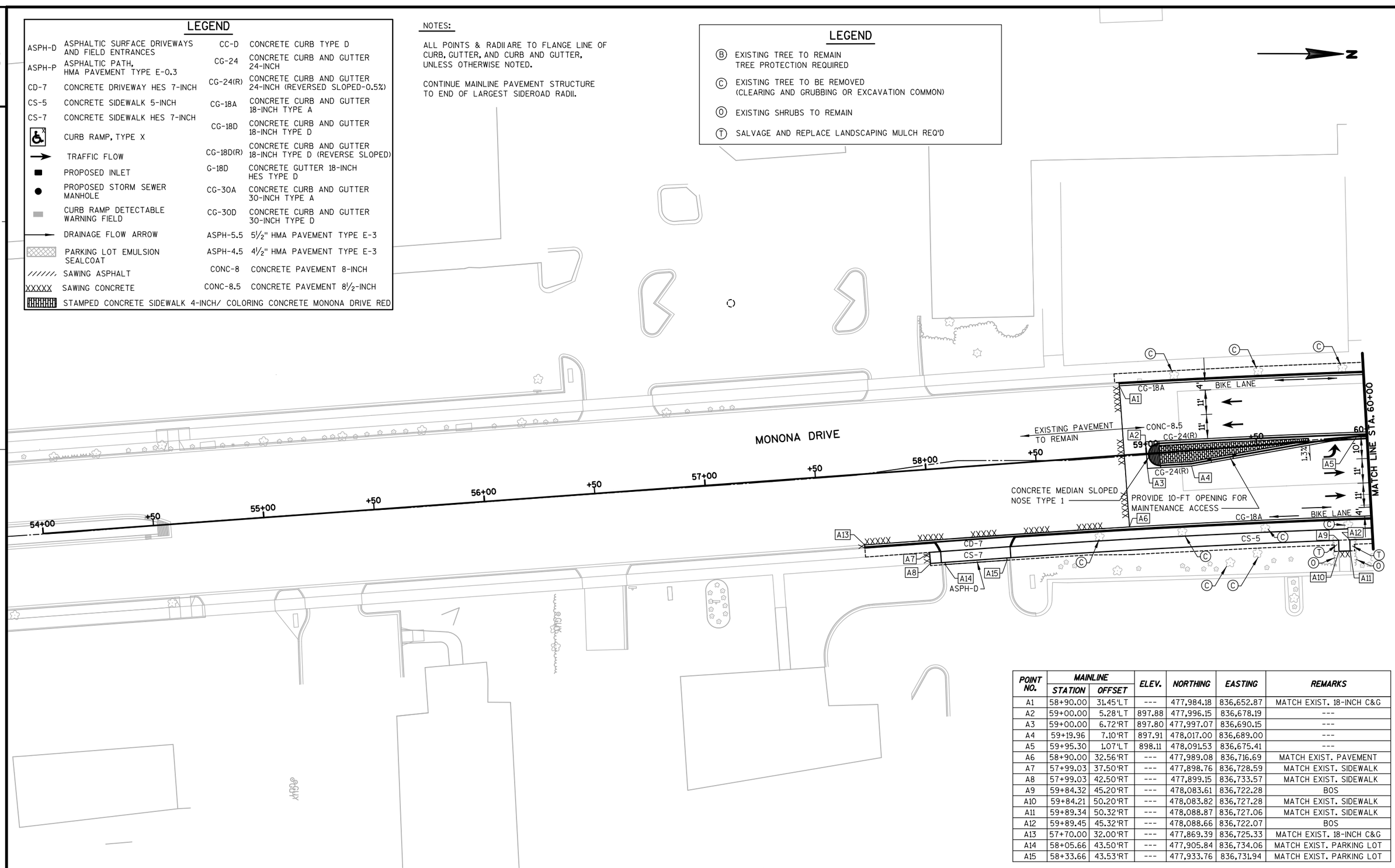
NOTES:

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

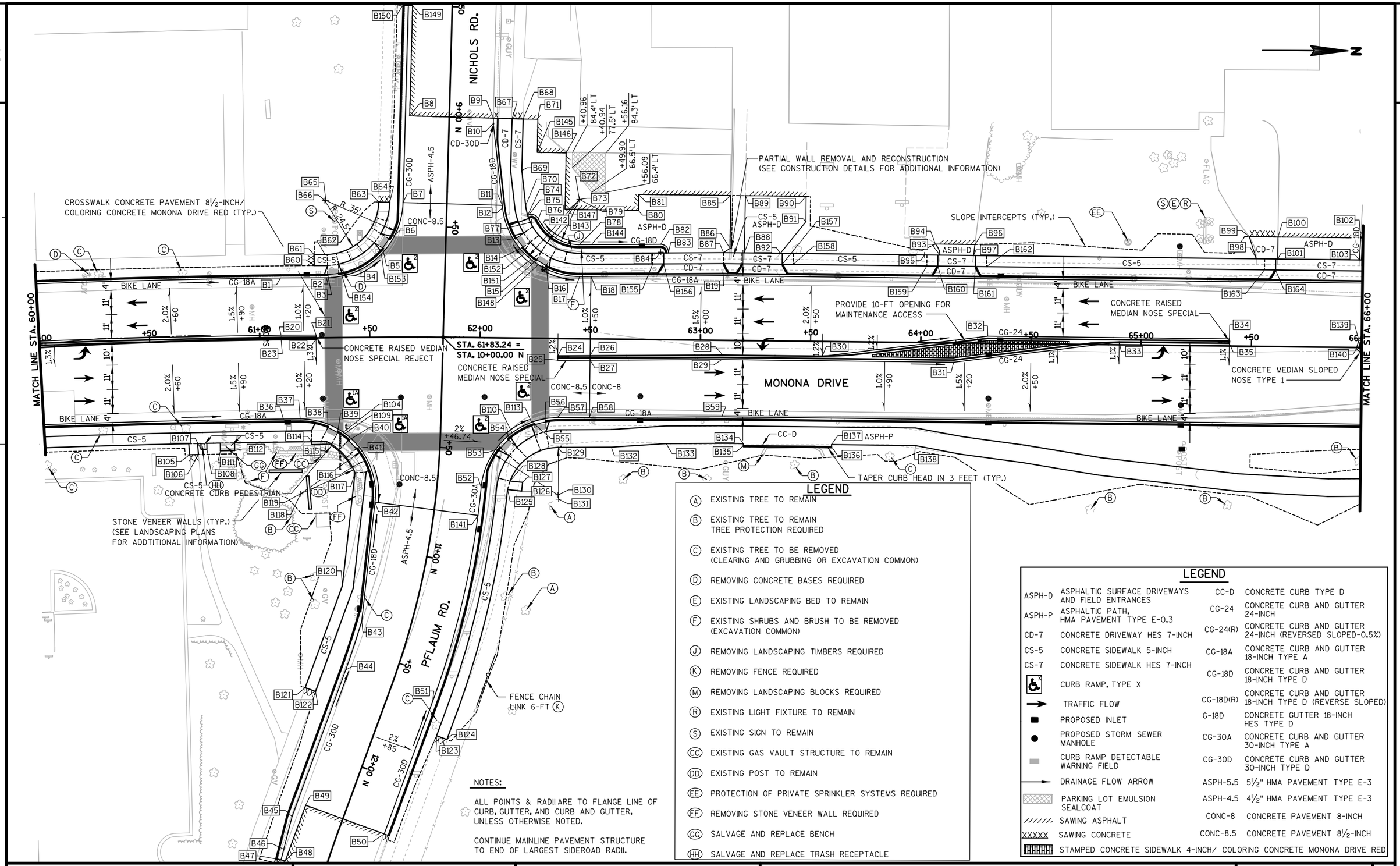
CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

LEGEND

- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (O) EXISTING SHRUBS TO REMAIN
- (T) SALVAGE AND REPLACE LANDSCAPING MULCH REQ'D



POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	NORTHING	EASTING	REMARKS
A1	58+90.00	31.45'LT	---	477,984.18	836,652.87	MATCH EXIST. 18-INCH C&G
A2	59+00.00	5.28'LT	897.88	477,996.15	836,678.19	---
A3	59+00.00	6.72'RT	897.80	477,997.07	836,690.15	---
A4	59+19.96	7.10'RT	897.91	478,017.00	836,689.00	---
A5	59+95.30	1.07'LT	898.11	478,091.53	836,675.41	---
A6	58+90.00	32.56'RT	---	477,989.08	836,716.69	MATCH EXIST. PAVEMENT
A7	57+99.03	37.50'RT	---	477,898.76	836,728.59	MATCH EXIST. SIDEWALK
A8	57+99.03	42.50'RT	---	477,899.15	836,733.57	MATCH EXIST. SIDEWALK
A9	59+84.32	45.20'RT	---	478,083.61	836,722.28	BOS
A10	59+84.21	50.20'RT	---	478,083.82	836,727.28	MATCH EXIST. SIDEWALK
A11	59+89.34	50.32'RT	---	478,088.87	836,727.06	MATCH EXIST. SIDEWALK
A12	59+89.45	45.32'RT	---	478,088.66	836,722.07	BOS
A13	57+70.00	32.00'RT	---	477,869.39	836,725.33	MATCH EXIST. 18-INCH C&G
A14	58+05.66	43.50'RT	---	477,905.84	836,734.06	MATCH EXIST. PARKING LOT
A15	58+33.66	43.53'RT	---	477,933.76	836,731.94	MATCH EXIST. PARKING LOT



LEGEND

- (A) EXISTING TREE TO REMAIN
- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (D) REMOVING CONCRETE BASES REQUIRED
- (E) EXISTING LANDSCAPING BED TO REMAIN
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (J) REMOVING LANDSCAPING TIMBERS REQUIRED
- (K) REMOVING FENCE REQUIRED
- (M) REMOVING LANDSCAPING BLOCKS REQUIRED
- (R) EXISTING LIGHT FIXTURE TO REMAIN
- (S) EXISTING SIGN TO REMAIN
- (CC) EXISTING GAS VAULT STRUCTURE TO REMAIN
- (DD) EXISTING POST TO REMAIN
- (EE) PROTECTION OF PRIVATE SPRINKLER SYSTEMS REQUIRED
- (FF) REMOVING STONE VENEER WALL REQUIRED
- (GG) SALVAGE AND REPLACE BENCH
- (HH) SALVAGE AND REPLACE TRASH RECEPTACLE

NOTES:

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

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

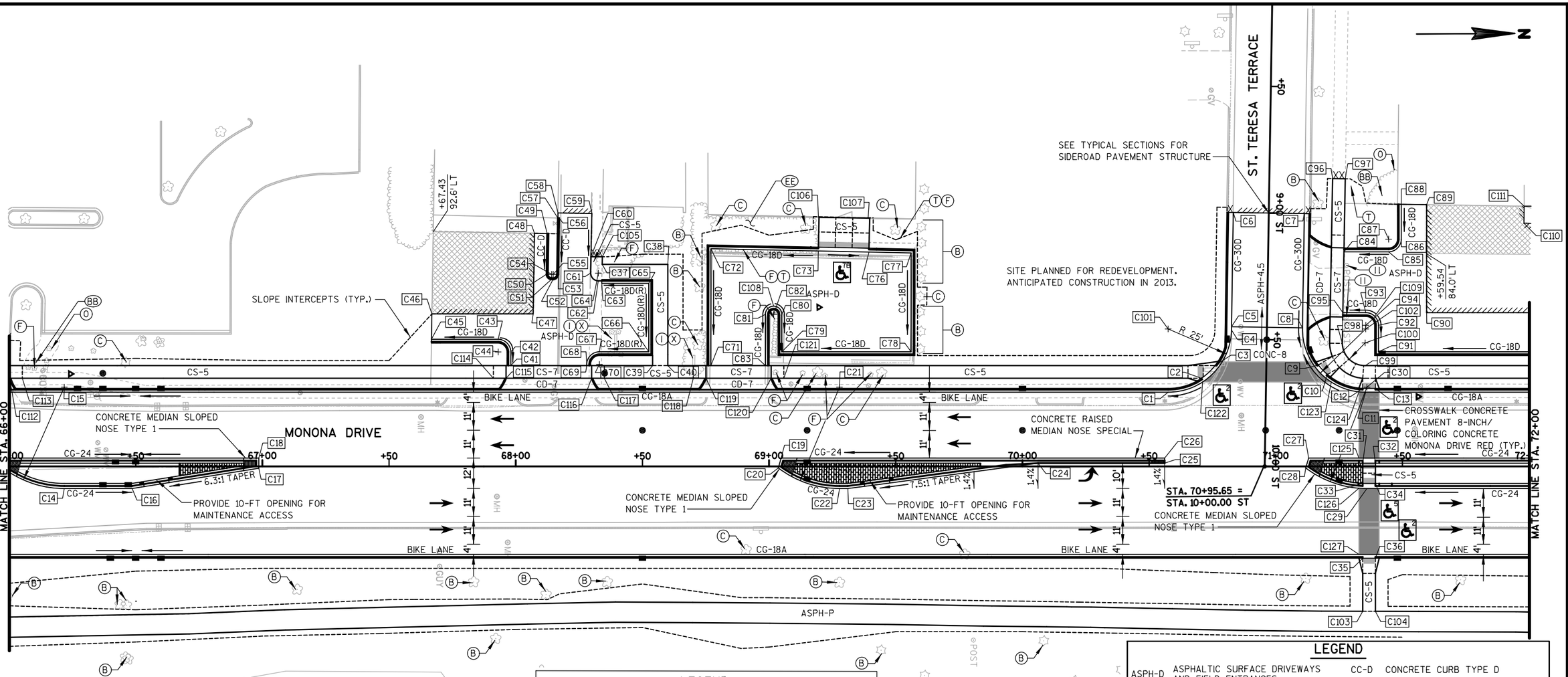
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 50	E

POINT NO.	MAINLINE		NICHOLS ROAD		PFLAUM ROAD		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
B1	61+10.00	27.45'LT	---		---	---	896.85	478,205.54	836,644.13	---
B2	61+30.51	27.22'LT	9+74.46 N	53.79'RT	---	---	896.59	478,226.24	836,643.94	---
B3	61+31.20	28.72'LT	9+72.93 N	53.16'RT	---	---	---	478,226.91	836,642.43	BOC; CURB RAMP OPENING
B4	61+36.15	29.16'LT	9+72.29 N	48.18'RT	---	---	---	478,231.90	836,641.90	BOC; CURB RAMP OPENING
B5	61+55.88	40.53'LT	9+60.24 N	28.64'RT	---	---	---	478,251.72	836,630.31	BOC; CURB RAMP OPENING
B6	61+58.77	44.58'LT	9+56.09 N	25.84'RT	---	---	---	478,254.62	836,626.23	BOC; CURB RAMP OPENING
B7	61+65.06	61.05'LT	9+39.45 N	19.93'RT	---	---	894.68	478,260.91	836,609.72	---
B8	61+68.05	100.42'LT	9+00.00 N	17.97'RT	---	---	---	478,263.80	836,570.33	MATCH EXIST. PAVEMENT
B9	62+04.91	99.60'LT	9+00.00 N	20.03'LT	---	---	---	478,301.79	836,571.22	MATCH EXIST. 30-INCH C&G
B10	62+04.87	97.15'LT	9+02.45 N	20.03'LT	---	---	891.75	478,301.73	836,573.67	---
B11	62+09.42	60.07'LT	9+39.45 N	25.19'LT	---	---	893.59	478,306.03	836,610.78	---
B12	62+09.56	58.93'LT	9+40.58 N	25.35'LT	---	---	893.68	478,306.16	836,611.92	---
B13	62+16.03	45.23'LT	9+54.18 N	32.04'LT	---	---	---	478,312.53	836,625.67	BOC; CURB RAMP OPENING
B14	62+19.02	41.22'LT	9+58.14 N	35.10'LT	---	---	---	478,315.49	836,629.69	BOC; CURB RAMP OPENING
B15	62+25.33	35.59'LT	9+63.67 N	41.50'LT	---	---	---	478,321.76	836,635.37	BOC; CURB RAMP OPENING
B16	62+29.65	33.07'LT	9+66.11 N	45.86'LT	---	---	---	478,326.06	836,637.92	BOC; CURB RAMP OPENING
B17	62+44.86	28.20'LT	9+70.73 N	61.15'LT	---	---	894.07	478,341.24	836,642.89	---
B18	62+50.00	28.29'LT	---	---	---	---	893.93	478,346.38	836,642.85	---
B19	63+10.00	29.25'LT	---	---	---	---	891.89	478,406.38	836,642.30	---
B20	61+09.72	1.45'LT	---	---	---	---	897.15	478,205.88	836,670.12	---
B21	61+25.57	1.26'LT	---	---	---	---	896.91	478,221.73	836,669.98	---
B22	61+25.55	0.74'RT	---	---	---	---	896.90	478,221.75	836,671.98	---
B23	61+09.70	0.55'RT	---	---	---	---	897.13	478,205.91	836,672.12	---
B24	62+35.34	7.95'RT	---	---	---	---	894.48	478,331.47	836,678.98	---
B25	62+35.37	9.95'RT	---	---	---	---	894.46	478,331.48	836,680.98	---
B26	62+50.00	7.72'RT	---	---	---	---	894.07	478,346.13	836,678.85	---
B27	62+50.00	9.71'RT	---	---	---	---	894.05	478,346.11	836,680.84	---
B28	63+10.29	6.75'RT	---	---	---	---	892.19	478,406.42	836,678.30	---
B29	63+09.79	8.75'RT	---	---	---	---	892.20	478,405.91	836,680.30	---
B30	63+55.37	6.75'RT	---	---	---	---	890.63	478,451.50	836,678.62	---
B31	64+15.00	8.75'RT	---	---	---	---	888.15	478,511.12	836,681.04	---
B32	64+30.37	3.25'LT	---	---	---	---	888.26	478,526.57	836,669.14	---
B33	64+90.00	1.25'LT	---	---	---	---	886.72	478,586.19	836,671.56	---
B34	65+40.00	3.25'LT	---	---	---	---	885.83	478,636.20	836,669.91	---
B35	65+40.00	1.25'LT	---	---	---	---	855.81	478,636.19	836,671.91	---
B36	61+10.00	36.55'RT	---	---	---	---	896.69	478,207.06	836,708.11	---
B37	61+17.74	36.65'RT	---	---	10+38.82 N	63.83 'RT	896.61	478,214.70	836,708.04	---
B38	61+30.37	40.78'RT	---	---	10+42.62 N	51.20 'RT	---	478,227.25	836,711.93	BOC; CURB RAMP OPENING
B39	61+34.87	43.09'RT	---	---	10+45.03 N	46.66 'RT	---	478,231.72	836,714.16	BOC; CURB RAMP OPENING
B40	61+39.83	46.79'RT	---	---	10+48.92 N	41.59 'RT	---	478,236.65	836,717.79	BOC; CURB RAMP OPENING
B41	61+43.30	50.44'RT	---	---	10+52.77 N	37.95 'RT	---	478,240.12	836,721.40	BOC; CURB RAMP OPENING

POINT NO.	MAINLINE		NICHOLS ROAD		PFLAUM ROAD		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
B42	61+51.91	74.81'RT	---	---	10+78.42 N	27.12 'RT	896.17	478,248.82	836,745.67	---
B43	61+45.31	128.62'RT	---	---	11+36.23 N	22.00 'RT	896.47	478,243.03	836,799.55	---
B44	61+37.42	150.88'RT	---	---	11+61.21 N	22.00 'RT	896.63	478,235.80	836,821.90	---
B45	61+10.52	216.93'RT	---	---	12+31.91 N	22.00 'RT	897.17	478,211.81	836,888.42	---
B46	61+06.12	'RT	---	---	12+46.25 N	20.78 'RT	897.45	478,208.10	836,903.27	---
B47	61+04.66	236.50'RT	---	---	12+50.96 N	20.54 'RT	---	478,206.87	836,908.12	MATCH EXIST. 30-INCH C&G
B48	61+06.76	237.03'RT	---	---	12+50.87 N	18.54 'RT	---	478,208.82	836,908.60	MATCH EXIST. PAVEMENT
B49	61+17.24	211.92'RT	---	---	12+25.00 N	17.98 'RT	---	478,217.94	836,883.27	MATCH EXIST. PAVEMENT
B50	61+55.56	225.33'RT	---	---	12+25.00 N	20.00 'LT	---	478,253.67	836,896.16	MATCH EXIST. 30-INCH C&G
B51	61+79.01	165.43'RT	---	---	11+61.21 N	20.00 'LT	896.58	478,275.31	836,836.15	---
B52	62+01.21	68.00'RT	---	---	10+66.31 N	20.00 'LT	895.42	478,296.94	836,738.79	---
B53	62+10.00	49.96'RT	---	---	10+48.88 N	27.66 'LT	---	478,305.83	836,720.81	BOC; CURB RAMP OPENING
B54	62+13.41	46.30'RT	---	---	10+45.39 N	30.95 'LT	---	478,309.27	836,717.18	BOC; CURB RAMP OPENING
B55	62+25.32	39.23'RT	---	---	10+38.47 N	42.71 'LT	---	478,321.23	836,710.19	BOC; CURB RAMP OPENING
B56	62+30.30	37.95'RT	---	---	10+37.11 N	47.67 'LT	---	478,326.22	836,708.94	BOC; CURB RAMP OPENING
B57	62+35.55	35.95'RT	---	---	10+35.03 N	52.89 'LT	894.17	478,331.48	836,706.98	---
B58	62+50.00	35.71'RT	---	---	---	---	893.79	478,345.93	836,706.85	---
B59	63+10.00	34.75'RT	---	---	---	---	891.94	478,405.94	836,706.30	---
B60	61+25.19	32.76'LT	---	---	---	---	---	478,220.77	836,638.49	MATCH EXIST. SIDEWALK
B61	61+25.24	37.76'LT	---	---	---	---	---	478,220.72	836,633.49	MATCH EXIST. SIDEWALK
B62	61+30.10	37.72'LT	9+63.98 N	54.63'RT	---	---	---	478,225.65	836,633.44	BOS
B63	61+54.28	61.36'LT	9+39.47 N	30.93'RT	---	---	---	478,249.92	836,609.49	MATCH EXIST. SIDEWALK
B64	61+59.18	61.20'LT	9+39.47 N	25.93'RT	---	---	---	478,254.92	836,609.60	MATCH EXIST. SIDEWALK
B65	61+30.78	62.22'LT	9+39.48 N	54.93'RT	---	---	---	478,225.92	836,608.94	R = 35'
B66	61+30.29	62.22'LT	9+39.50 N	55.43'RT	---	---	---	478,225.42	836,608.94	R = 24.5'
B67	62+13.41	99.46'LT	9+00.00 N	28.53'LT	---	---	---	478,310.28	836,571.42	MATCH EXIST. SIDEWALK
B68	62+18.41	99.38'LT	9+00.00 N	33.53'LT	---	---	---	478,315.28	836,571.54	MATCH EXIST. SIDEWALK
B69	62+18.05	76.00'LT	9+23.38 N	33.55'LT	---	---	893.27	478,314.76	836,594.91	BOS
B70	62+19.98	60.21'LT	9+39.13 N	35.75'LT	---	---	---	478,316.59	836,610.71	BOS
B71	62+25.11	99.27'LT	9+00.00 N	40.24'LT	---	---	---	478,321.99	836,571.69	MATCH EXIST. PARKING LOT
B72	62+44.30	63.20'LT	9+35.75 N	60.02'LT	---	---	---	478,340.93	836,607.90	R = 24.5'
B73	62+44.30	63.20'LT	9+35.75 N	60.02'LT	---	---	---	478,340.93	836,607.90	R = 35'
B74	62+20.97	55.71'LT	9+43.62 N	36.81'LT	---	---	894.17	478,317.55	836,615.22	---
B75	62+21.43	55.89'LT	9+43.43 N	37.27'LT	---	---	894.17	478,318.00	836,615.05	---
B76	62+25.84	54.17'LT	9+45.08 N	41.71'LT	---	---	894.21	478,322.40	836,616.80	---
B77	62+22.70	52.63'LT	9+46.67 N	38.59'LT	---	---	---	478,319.25	836,618.32	R = 3.5'
B78	62+44.63	42.65'LT	---	---	---	---	894.61	478,341.11	836,628.45	---
B79	62+44.30	63.20'LT	---	---	---	---	---	478,340.93	836,607.90	R = 20.55'
B80	62+71.18	58.47'LT	---	---	---	---	---	478,367.77	836,612.81	MATCH EXIST. PARKING LOT
B81	62+71.18	65.75'LT	---	---	---	---	---	478,367.82	836,605.53	MATCH EXIST. PARKING LOT
B82	62+81.45	43.24'LT	---	---	---	---	893.52	478,377.93	836,628.11	---

POINT NO.	MAINLINE		NICHOLS ROAD		PFLAUM ROAD		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
B83	62+85.00	39.35'LT	---	---	---	---	893.23	478,381.46	836,632.03	---
B84	62+81.53	39.74'LT	---	---	---	---	---	478,377.98	836,631.61	R = 3.5'
B85	63+13.02	65.75'LT	---	---	---	---	---	478,409.66	836,605.82	MATCH EXIST. PARKING LOT
B86	63+12.94	41.75'LT	---	---	---	---	892.48	478,409.41	836,629.83	EDGE OF ASPHALT; END OF CONCRETE WALL
B87	63+10.00	39.75'LT	---	---	---	---	---	478,406.46	836,631.80	EDGE OF PAVEMENT
B88	63+19.47	39.75'LT	---	---	---	---	---	478,415.92	836,631.87	EDGE OF PAVEMENT
B89	63+19.65	65.75'LT	---	---	---	---	---	478,416.28	836,605.87	MATCH EXIST. DRIVEWAY
B90	63+47.26	65.75'LT	---	---	---	---	---	478,443.90	836,606.06	MATCH EXIST. DRIVEWAY
B91	63+47.24	54.28'LT	---	---	---	---	---	478,443.80	836,617.54	EDGE OF PAVEMENT
B92	63+35.81	39.75'LT	---	---	---	---	---	478,432.27	836,631.98	EDGE OF PAVEMENT
B93	64+08.19	39.75'LT	---	---	---	---	---	478,504.65	836,632.49	EDGE OF PAVEMENT
B94	64+06.09	44.75'LT	---	---	---	---	---	478,502.58	836,627.47	MATCH EXIST. DRIVEWAY
B95	64+01.19	39.75'LT	---	---	---	---	---	478,497.65	836,632.44	R = 7'
B96	64+24.07	44.75'LT	---	---	---	---	---	478,520.56	836,627.60	MATCH EXIST. DRIVEWAY
B97	64+23.50	39.75'LT	---	---	---	---	---	478,519.96	836,632.60	EDGE OF PAVEMENT
B98	65+51.84	39.75'LT	---	---	---	---	---	478,648.29	836,633.49	EDGE OF CONCRETE
B99	65+48.49	49.75'LT	---	---	---	---	---	478,645.01	836,623.47	MATCH EXIST. PARKING LOT
B100	65+61.53	49.75'LT	---	---	---	---	---	478,658.05	836,623.56	MATCH EXIST. PARKING LOT
B101	65+61.53	39.75'LT	---	---	---	---	---	478,657.98	836,633.56	EDGE OF PAVEMENT
B102	65+99.07	49.75'LT	---	---	---	---	---	478,695.59	836,623.82	MATCH EXIST. 18-INCH C&G
B103	65+98.61	39.75'LT	---	---	---	---	---	478,695.06	836,633.82	---
B104	61+37.44	42.97'RT	---	---	---	---	---	478,234.25	836,714.01	CROSSWALK LAYOUT POINT
B105	60+66.47	51.64'RT	---	---	---	---	---	478,164.65	836,724.52	MATCH EXIST. SIDEWALK
B106	60+70.53	51.69'RT	---	---	---	---	---	478,168.64	836,724.42	MATCH EXIST. SIDEWALK
B107	60+71.81	49.37'RT	---	---	---	---	---	478,169.81	836,722.05	EDGE OF SIDEWALK
B108	60+74.52	49.40'RT	---	---	---	---	---	478,172.48	836,721.99	EDGE OF SIDEWALK
B109	61+38.18	43.50'RT	---	---	---	---	---	478,234.99	836,714.53	CROSSWALK LAYOUT POINT
B110	62+15.02	43.01'RT	---	---	---	---	---	478,310.90	836,713.90	CROSSWALK LAYOUT POINT
B111	60+80.68	50.30'RT	---	---	---	---	---	478,178.56	836,722.68	EDGE OF SIDEWALK
B112	60+87.29	50.37'RT	---	---	---	---	---	478,185.06	836,722.54	EDGE OF SIDEWALK
B113	62+23.80	38.18'RT	---	---	---	---	---	478,319.72	836,709.13	CROSSWALK LAYOUT POINT
B114	61+22.77	47.13'RT	---	---	10+50.54 N	58.32'RT	---	478,219.87	836,718.41	BOS
B115	61+29.83	47.16'RT	---	---	10+50.04 N	51.39'RT	---	478,226.82	836,718.31	BOS
B116	61+41.54	58.78'RT	---	---	10+62.20 N	39.00'RT	---	478,238.50	836,729.76	BOS
B117	61+42.72	61.41'RT	---	---	10+64.98 N	37.60'RT	---	478,239.69	836,732.37	BOS
B118	61+17.32	70.65'RT	---	---	10+79.09 N	61.11'RT	---	478,215.01	836,742.04	R = 34'
B119	61+17.32	70.65'RT	---	---	10+79.09 N	61.11'RT	---	478,215.01	836,742.04	R = 26.5'
B120	61+36.30	112.64'RT	---	---	11+22.11 N	34.64'RT	---	478,234.17	836,783.69	BOS
B121	61+17.96	158.60'RT	---	---	11+75.00 N	36.50'RT	---	478,217.48	836,829.96	MATCH EXIST. SIDEWALK
B122	61+22.89	160.39'RT	---	---	11+75.00 N	31.50'RT	---	478,222.19	836,831.65	MATCH EXIST. SIDEWALK
B123	61+81.03	180.78'RT	---	---	11+75.00 N	27.00'LT	---	478,277.22	836,851.50	MATCH EXIST. SIDEWALK

POINT NO.	MAINLINE		NICHOLS ROAD		PFLAUM ROAD		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
B124	61+86.04	182.47'RT	---	---	11+75.00 N	32.00'LT	---	478,281.92	836,853.20	MATCH EXIST. SIDEWALK
B125	62+13.29	68.87'RT	---	---	10+66.17 N	32.09'LT	---	478,308.99	836,739.75	BOS
B126	62+19.68	69.44'RT	---	---	10+66.20 N	38.50'LT	---	478,315.37	836,740.36	EDGE OF SIDEWALK
B127	62+19.99	65.45'RT	---	---	10+62.57 N	38.50'LT	---	478,315.72	836,736.37	EDGE OF SIDEWALK
B128	62+14.34	64.95'RT	---	---	10+62.50 N	32.82'LT	---	478,310.07	836,735.83	BOS
B129	62+36.06	49.44'RT	---	---	10+47.58 N	53.69'LT	---	478,331.90	836,720.48	BOS
B130	62+36.11	70.94'RT	---	---	10+66.31 N	55.00'LT	---	478,331.80	836,741.98	R = 35'
B131	62+36.44	72.94'RT	---	---	10+68.01 N	55.50'LT	---	478,332.11	836,743.97	R = 23.5'
B132	62+60.13	49.05'RT	---	---	---	---	---	478,355.97	836,720.26	BOS
B133	62+85.00	47.15'RT	---	---	---	---	---	478,380.85	836,718.53	BOS
B134	63+20.00	46.75'RT	---	---	---	---	---	478,415.85	836,718.37	BOS
B135	63+20.00	47.75'RT	---	---	---	---	---	478,415.85	836,719.37	BOS
B136	63+60.00	47.75'RT	---	---	---	---	---	478,455.85	836,719.65	BOS
B137	63+60.00	46.75'RT	---	---	---	---	---	478,455.85	836,718.65	BOS
B138	63+98.05	46.75'RT	---	---	---	---	---	478,493.91	836,718.92	BOS
B139	65+98.77	3.25'LT	---	---	---	---	885.20	478,694.96	836,670.32	---
B140	65+97.62	0.61'RT	---	---	---	---	885.17	478,693.79	836,674.17	---
B141	61+99.90	80.70'RT	---	---	10+78.42 N	20.00'LT	895.56	498,295.57	836,751.48	---
B142	62+27.69	51.11'LT	9+48.11 N	43.60LT	---	---	894.24	478,324.23	836,619.87	---
B143	62+33.56	45.68'LT	9+53.44 N	49.57LT	---	---	894.42	478,330.07	836,625.34	---
B144	62+50.00	42.74'LT	9+56.11 N	66.05LT	---	---	894.66	478,346.48	836,628.40	---
B145	62+24.98	84.29'LT	9+14.98 N	40.35LT	---	---	---	478,321.75	836,586.67	MATCH. EXIST. PARKING LOT
B146	62+38.12	84.17'LT	9+14.88 N	53.49LT	---	---	---	478,334.89	836,586.88	MATCH. EXIST. PARKING LOT
B147	62+37.89	58.74'LT	9+40.32 N	53.68LT	---	---	---	478,334.49	836,612.31	MATCH. EXIST. PARKING LOT
B148	62+26.01	33.36'LT	9+65.89 N	42.22LT	---	---	---	478,322.43	836,637.61	MATCH. EXIST. PARKING LOT
B149	61+69.32	150.40'LT	8+50.00 N	18.02RT	---	---	---	478,264.91	836,520.35	MATCH EXIST. PAVEMENT
B150	61+65.04	150.53'LT	8+50.00 N	22.52RT	---	---	---	478,260.42	836,520.24	MATCH EXIST. 30-INCH C&G
B151	62+22.67	35.68'LT	---	---	---	---	---	478,319.10	836,635.26	CROSSWALK LAYOUT POINT
B152	62+19.66	38.34'LT	---	---	---	---	---	478,316.11	836,632.58	CROSSWALK LAYOUT POINT
B153	61+55.37	37.72'LT	---	---	---	---	---	478,251.23	836,633.12	CROSSWALK LAYOUT POINT
B154	61+37.64	27.91'LT	---	---	---	---	---	478,233.42	836,643.13	CROSSWALK LAYOUT POINT
B155	62+77.96	34.24'LT	---	---	---	---	---	478,374.38	836,637.09	FOS
B156	62+82.96	34.32'LT	---	---	---	---	893.20	478,379.38	836,637.05	FOS AT DRIVEWAY
B157	63+36.69	34.75'LT	---	---	---	---	891.23	478,433.11	836,636.99	FOS AT DRIVEWAY
B158	63+41.69	34.75'LT	---	---	---	---	891.30	478,438.11	836,637.02	FOS
B159	64+02.34	34.75'LT	---	---	---	---	889.21	478,498.76	836,637.45	FOS
B160	64+07.34	34.75'LT	---	---	---	---	888.79	478,503.76	836,637.48	FOS AT DRIVEWAY
B161	64+24.37	34.75'LT	---	---	---	---	888.25	478,520.79	836,637.60	FOS AT DRIVEWAY
B162	64+29.37	34.75'LT	---	---	---	---	888.36	478,525.79	836,637.64	FOS
B163	65+55.58	34.75'LT	---	---	---	---	885.71	478,652.00	836,638.52	FOS
B164	65+60.58	34.75'LT	---	---	---	---	885.38	478,657.00	836,638.55	FOS AT DRIVEWAY



LEGEND

- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (I) EXISTING LANDSCAPE MULCH AND EDGING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (O) EXISTING SHRUBS TO REMAIN
- (T) SALVAGE AND REPLACE LANDSCAPING MULCH REQUIRED
- (X) EXISTING SIGN AND LIGHTING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (BB) SALVAGE AND REPLACE LANDSCAPING STONE REQUIRED
- (EE) PROTECTION OF PRIVATE SPRINKLER SYSTEMS REQUIRED
- (II) EXISTING WOODEN POSTS AND CHAIN TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION

NOTES:

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

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

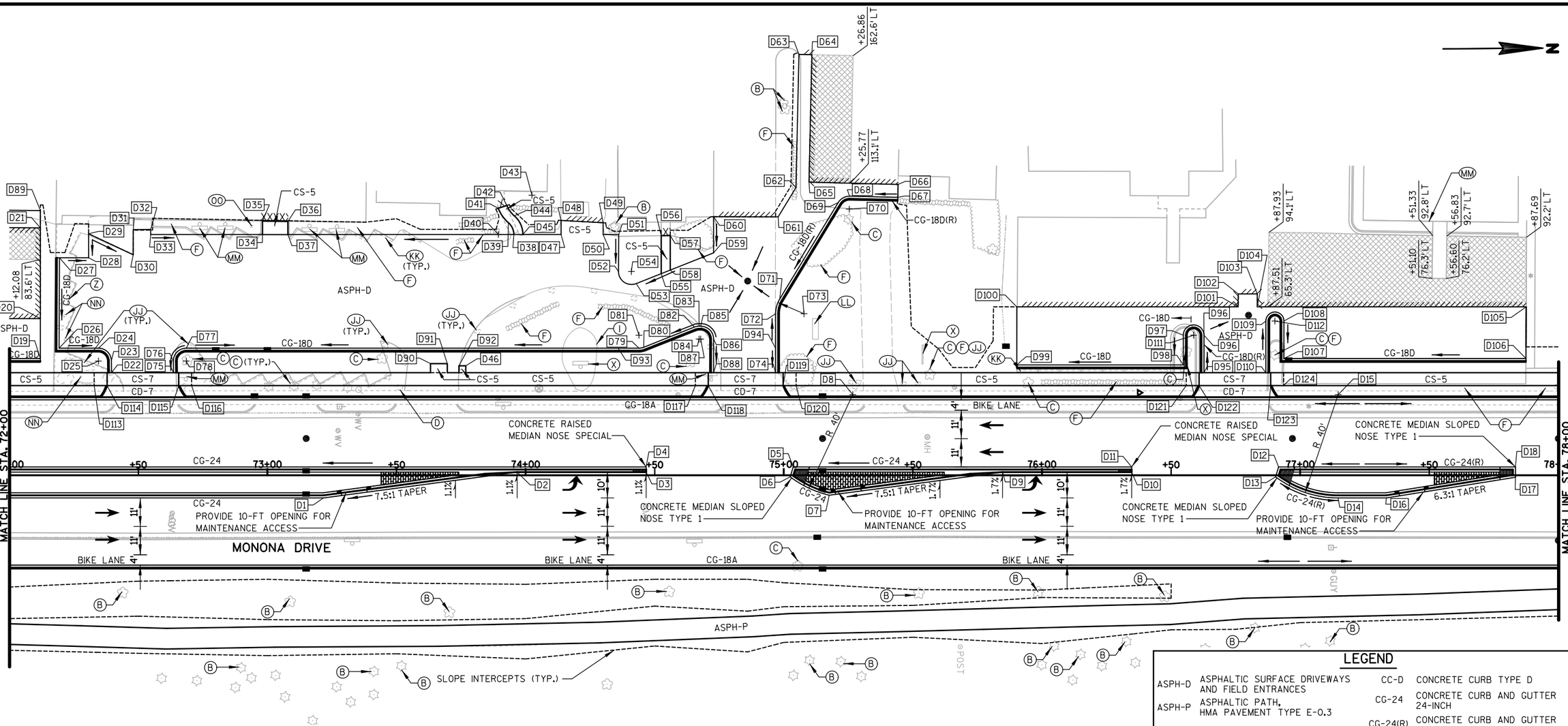
LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 53	E

POINT NO.	MAINLINE		ST. TERSEA TERRACE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
C1	70+57.51	29.25'LT	9+71.36 ST	38.60'RT	891.49	479,153.88	836,647.52	---
C2	70+70.63	34.75'LT	9+65.66 ST	25.57'RT	---	479,167.03	836,642.11	BOC; CURB RAMP OPENING
C3	70+76.01	39.75'LT	9+60.57 ST	20.28'RT	---	479,172.45	836,637.15	BOC; CURB RAMP OPENING
C4	70+82.51	53.85'LT	9+46.37 ST	14.00'RT	892.30	479,179.05	836,623.10	---
C5	70+82.53	55.10'LT	9+45.12 ST	14.00'RT	892.31	479,179.08	836,621.85	---
C6	70+83.25	100.21'LT	9+00.00 ST	14.00'RT	---	479,180.11	836,576.74	MATCH EXIST. 30-INCH C&G
C7	71+11.25	99.76'LT	9+00.00 ST	14.00'LT	---	479,208.11	836,577.39	MATCH EXIST. 30-INCH C&G
C8	71+10.53	54.65'LT	9+45.12 ST	14.00'LT	892.62	479,207.07	836,622.49	---
C9	71+16.83	40.01'LT	9+59.65 ST	20.53'LT	---	479,213.27	836,637.17	BOC; CURB RAMP OPENING
C10	71+20.36	36.30'LT	9+63.31 ST	24.13'LT	---	479,216.77	836,640.91	BOC; CURB RAMP OPENING
C11	71+35.52	29.25'LT	9+70.11 ST	39.40'LT	892.60	479,231.89	836,648.07	---
C12	71+34.32	30.78'LT	---	---	---	479,230.69	836,646.53	BOC; CURB RAMP OPENING
C13	71+39.32	30.75'LT	---	---	---	479,235.69	836,646.59	BOC; CURB RAMP OPENING
C14	66+21.81	8.75'RT	---	---	894.94	478,717.92	836,682.48	---
C15	66+21.81	31.25'LT	---	---	---	478,718.20	836,642.48	R = 40'
C16	66+48.60	8.75'RT	---	---	884.89	478,744.71	836,682.67	---
C17	66+98.60	0.75'RT	---	---	885.14	478,794.76	836,675.02	---
C18	66+98.60	3.25'LT	---	---	885.19	478,794.79	836,671.02	---
C19	69+04.77	3.25'LT	---	---	888.75	479,000.96	836,672.45	---
C20	69+03.62	0.62'RT	---	---	888.69	478,999.78	836,676.31	---
C21	69+27.80	31.25'LT	---	---	---	479,024.18	836,644.62	R = 40'
C22	69+27.80	8.75'RT	---	---	889.10	479,023.90	836,684.62	---
C23	69+31.12	8.75'RT	---	---	889.16	479,027.22	836,684.64	---
C24	70+06.16	1.26'LT	---	---	890.90	479,102.33	836,675.16	---
C25	70+56.16	1.26'LT	---	---	891.96	479,152.33	836,675.51	---
C26	70+56.16	3.25'LT	---	---	891.99	479,152.34	836,673.51	---
C27	71+12.98	3.25'LT	---	---	892.90	479,209.16	836,673.91	---
C28	71+11.83	0.61'RT	---	---	892.83	479,207.99	836,677.76	---
C29	71+36.02	8.75'RT	---	---	892.99	479,232.12	836,686.07	---
C30	71+36.02	31.25'LT	---	---	---	479,232.40	836,646.07	R = 40'
C31	71+34.32	1.25'LT	---	---	---	479,230.49	836,676.06	BOC; CURB RAMP OPENING
C32	71+39.32	1.25'LT	---	---	---	479,235.49	836,676.09	BOC; CURB RAMP OPENING
C33	71+34.32	6.71'RT	---	---	---	479,230.43	836,684.02	BOC; CURB RAMP OPENING
C34	71+39.32	6.75'RT	---	---	---	479,235.43	836,684.09	BOC; CURB RAMP OPENING
C35	71+34.32	36.25'RT	---	---	---	479,230.23	836,713.56	BOC; CURB RAMP OPENING
C36	71+39.32	36.25'RT	---	---	---	479,235.23	836,713.59	BOC; CURB RAMP OPENING
C37	68+34.13	79.75'LT	---	---	887.90	478,930.85	836,595.46	EDGE OF SIDEWALK
C38	68+60.03	79.75'LT	---	---	888.84	478,956.75	836,595.64	EDGE OF SIDEWALK
C39	68+54.03	39.75'LT	---	---	887.85	478,950.47	836,635.60	EDGE OF SIDEWALK
C40	68+60.03	39.75'LT	---	---	887.98	478,956.47	836,635.64	EDGE OF SIDEWALK
C41	67+98.03	39.75'LT	---	---	886.41	478,894.48	836,635.21	---
C42	67+98.03	45.15'LT	---	---	886.47	478,894.52	836,629.81	---
C43	67+93.03	50.15'LT	---	---	886.55	478,889.55	836,624.77	---
C44	67+93.03	45.15'LT	---	---	---	478,889.52	836,629.77	R = 5'
C45	67+66.73	50.15'LT	---	---	886.09	478,863.25	836,624.59	---
C46	67+66.89	60.15'LT	---	---	---	478,863.48	836,614.59	MATCH EXIST. PARKING LOT
C47	68+06.90	60.15'LT	---	---	---	478,903.49	836,614.87	MATCH EXIST. PARKING LOT
C48	68+07.42	91.98'LT	---	---	---	478,904.23	836,583.05	MATCH EXIST. PARKING LOT
C49	68+12.42	91.87'LT	---	---	887.25	478,909.23	836,583.20	EDGE OF ASPHALT
C50	68+12.16	75.86'LT	---	---	887.12	478,908.86	836,599.20	---
C51	68+14.12	73.83'LT	---	---	887.24	478,910.80	836,601.25	---
C52	68+14.72	73.81'LT	---	---	887.26	478,911.40	836,601.27	---
C53	68+16.76	75.78'LT	---	---	887.38	478,913.46	836,599.31	---
C54	68+14.16	75.81'LT	---	---	---	478,910.86	836,599.27	R = 2'
C55	68+14.76	75.81'LT	---	---	---	478,911.46	836,599.27	R = 2'
C56	68+17.13	98.03'LT	---	---	888.19	478,913.98	836,577.07	---
C57	68+16.63	98.04'LT	---	---	---	478,913.48	836,577.05	MATCH EXISTING
C58	68+16.66	100.04'LT	---	---	---	478,913.53	836,575.06	MATCH EXIST. DRIVEWAY
C59	68+30.05	99.82'LT	---	---	---	478,926.91	836,575.37	MATCH EXIST. DRIVEWAY
C60	68+29.69	82.75'LT	---	---	---	478,926.43	836,592.43	MATCH EXIST. SIDEWALK; FLOW LINE = 887.48
C61	68+29.59	76.30'LT	---	---	---	478,926.29	836,598.89	TOP OF SIDEWALK = 887.98; FLOW LINE = 887.48
C62	68+32.59	73.25'LT	---	---	---	478,929.27	836,601.95	TOP OF SIDEWALK = 887.98; FLOW LINE = 887.48
C63	68+33.96	72.25'LT	---	---	887.47	478,930.56	836,602.96	EDGE OF ASPHALT; EDGE OF SIDEWALK
C64	68+32.59	76.25'LT	---	---	---	478,929.29	836,598.95	R = 3'
C65	68+52.53	72.25'LT	---	---	888.03	478,949.20	836,603.09	---
C66	68+52.53	45.25'LT	---	---	887.38	478,949.01	836,630.09	---
C67	68+33.03	45.25'LT	---	---	887.14	478,929.52	836,629.95	---
C68	68+28.03	40.25'LT	---	---	887.05	478,924.48	836,634.92	---
C69	68+28.03	39.75'LT	---	---	887.04	478,924.48	836,635.42	---
C70	68+33.03	40.25'LT	---	---	---	478,929.48	836,634.95	R = 5'

POINT NO.	MAINLINE		ST. TERSEA TERRACE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
C71	68+77.05	39.75'LT	---	---	888.09	478,973.49	836,635.76	---
C72	68+77.05	85.89'LT	---	---	889.84	478,973.82	836,589.62	---
C73	69+19.43	85.00'LT	---	---	891.09	479,016.19	836,590.80	---
C76	69+39.43	84.60'LT	---	---	890.99	479,036.18	836,591.35	---
C77	69+56.05	84.25'LT	---	---	890.79	479,052.80	836,591.81	---
C78	69+56.05	45.25'LT	---	---	889.93	479,052.53	836,630.81	---
C79	69+05.05	45.25'LT	---	---	889.17	479,001.53	836,630.46	---
C80	69+05.05	60.00'LT	---	---	889.46	479,001.63	836,615.71	---
C81	68+98.55	60.00'LT	---	---	889.36	478,995.13	836,615.66	---
C82	69+01.80	60.00'LT	---	---	---	478,998.38	836,615.69	R = 3.25'
C83	68+98.55	39.75'LT	---	---	888.56	478,994.99	836,635.91	---
C84	71+26.92	84.69'LT	9+14.82ST	29.91'LT	893.72	479,223.67	836,592.56	---
C85	71+44.54	84.69'LT	9+14.53ST	47.53'LT	894.47	479,241.29	836,592.69	---
C86	71+49.54	89.69'LT	9+09.45ST	52.45'LT	894.81	479,246.33	836,587.72	---
C87	71+44.54	89.69'LT	9+09.53ST	47.45'LT	---	479,241.33	836,587.69	R = 5'
C88	71+49.54	103.42'LT	8+95.73ST	52.23'LT	895.16	479,246.43	836,573.99	---
C89	71+59.54	103.27'LT	8+95.72ST	62.23'LT	---	479,256.42	836,574.21	MATCH EXIST. PARKING LOT
C90	71+59.54	60.69'LT	9+38.29ST	62.91'LT	---	479,256.13	836,616.79	MATCH EXIST. PARKING LOT
C91	71+40.54	45.25'LT	9+54.04ST	44.16'LT	893.62	479,237.02	836,632.10	---
C92	71+40.54	55.69'LT	9+43.59ST	44.00'LT	893.66	479,237.09	836,621.66	---
C93	71+35.54	60.69'LT	9+38.67ST	38.92'LT	893.63	479,232.13	836,616.62	---
C94	71+35.54	55.69'LT	9+43.67ST	39.00'LT	---	479,232.09	836,621.62	R = 5'
C95	71+26.50	60.69'LT	9+38.82ST	29.87'LT	893.45	479,223.08	836,616.56	---
C96	71+22.44	113.59'LT	8+86.00ST	24.97'LT	---	479,219.40	836,563.64	MATCH EXIST. SIDEWALK
C97	71+27.43	113.51'LT	8+86.00ST	29.96'LT	---	479,224.39	836,563.76	MATCH EXIST. SIDEWALK
C98	71+26.28	48.58'LT	9+50.93ST	29.85'LT	---	479,222.78	836,628.67	BOS
C99	71+35.39	39.75'LT	9+59.62ST	39.10'LT	---	479,231.83	836,637.57	BOS
C100	71+35.28	48.75'LT	9+50.62ST	38.84'LT	---	479,231.78	836,628.57	R = 9'
C101	70+57.51	54.25'LT	9+46.37ST	39.00'RT	---	479,154.05	836,622.52	R = 25'
C102	71+35.52	54.25'LT	9+45.12ST	39.00'LT	---	479,232.06	836,623.07	R = 25'
C103	71+34.32	57.20'LT	---	---	---	479,230.08	836,734.51	EDGE OF SIDEWALK
C104	71+39.32	57.21'LT	---	---	---	479,235.08	836,734.56	EDGE OF SIDEWALK
C105	68+34.21	82.75'LT	---	---	---	478,930.95	836,592.46	MATCH EXIST. SIDEWALK
C106	69+19.46	98.50'LT	---	---	---	479,016.31	836,577.31	MATCH EXISTING SIDEWALK
C107	69+39.10	98.10'LT	---	---	---	479,035.95	836,577.85	MATCH EXISTING SIDEWALK
C108	69+01.80	63.25'LT	---	---	889.56	478,998.41	836,612.44	---
C109	71+39.08	59.23'LT	9+40.08ST	42.48'LT	893.69	479,235.65	836,618.11	---
C110	71+97.99	95.95'LT	---	---	---	479,294.81	836,581.80	MATCH EXIST. PARKING LOT
C111	71+98.04	102.69'LT	---	---	---	479,294.92	836,575.06	MATCH EXIST. PARKING LOT
C112	66+00.23	34.75'LT	---	---	885.02	478,696.65	836,638.83	FOS AT DRIVEWAY
C113	66+05.23	34.75'LT	---	---	885.24	478,701.65	836,638.86	FOS
C114	67+91.15	34.75'LT	---	---	886.44	478,887.56	836,640.16	FOS
C115	67+96.15	34.75'LT	---	---	886.27	478,892.56	836,640.20	FOS AT DRIVEWAY
C116	68+29.94	34.75'LT	---	---	886.99	478,926.35	836,640.43	FOS AT DRIVEWAY
C117	68+34.94	34.75'LT	---	---	887.35	478,931.35	836,640.47	FOS
C118	68+70.10	34.75'LT	---	---	888.10	478,966.51	836,640.71	FOS
C119	68+75.10	34.75'LT	---	---	887.95	478,971.51	836,640.75	FOS AT DRIVEWAY
C120	69+00.80	34.75'LT	---	---	888.51	478,997.21	836,640.93	FOS AT DRIVEWAY
C121	69+05.80	34.75'LT	---	---	888.87	479,002.21	836,640.96	FOS
C122	70+71.08	33.25'LT	---	---	---	479,167.47	836,643.62	CROSSWALK LAYOUT POINT
C123	71+21.96	33.25'LT	---	---	---	479,218.35	836,643.97	CROSSWALK LAYOUT POINT
C124	71+32.82	29.40'LT	---	---	---	479,229.18	836,647.90	CROSSWALK LAYOUT POINT
C125	71+32.82	3.25'LT	---	---	---	479,229.00	836,674.05	CROSSWALK LAYOUT POINT
C126	71+32.82	8.62'RT	---	---	---	479,228.92	836,685.92	CROSSWALK LAYOUT POINT
C127	71+32.82	34.75'RT	---	---	---	479,228.74	836,712.05	CROSSWALK LAYOUT POINT



LEGEND

- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (D) REMOVING CONCRETE BASES REQUIRED
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (I) EXISTING LANDSCAPE STONE/MULCH AND EDGING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (X) EXISTING SIGN AND LIGHTING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (Z) EXISTING LANDSCAPE BLOCKS TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (JJ) REMOVING LANDSCAPING BOULDERS REQUIRED (EXCAVATION COMMON)
- (KK) REMOVING CONCRETE BUMPERS REQUIRED
- (LL) EXISTING SIGN BASE TO REMAIN
- (MM) EXISTING SIGN TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (NN) REMOVING WOODEN POST REQUIRED
- (OO) EXISTING LIGHT TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION

NOTES:

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

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

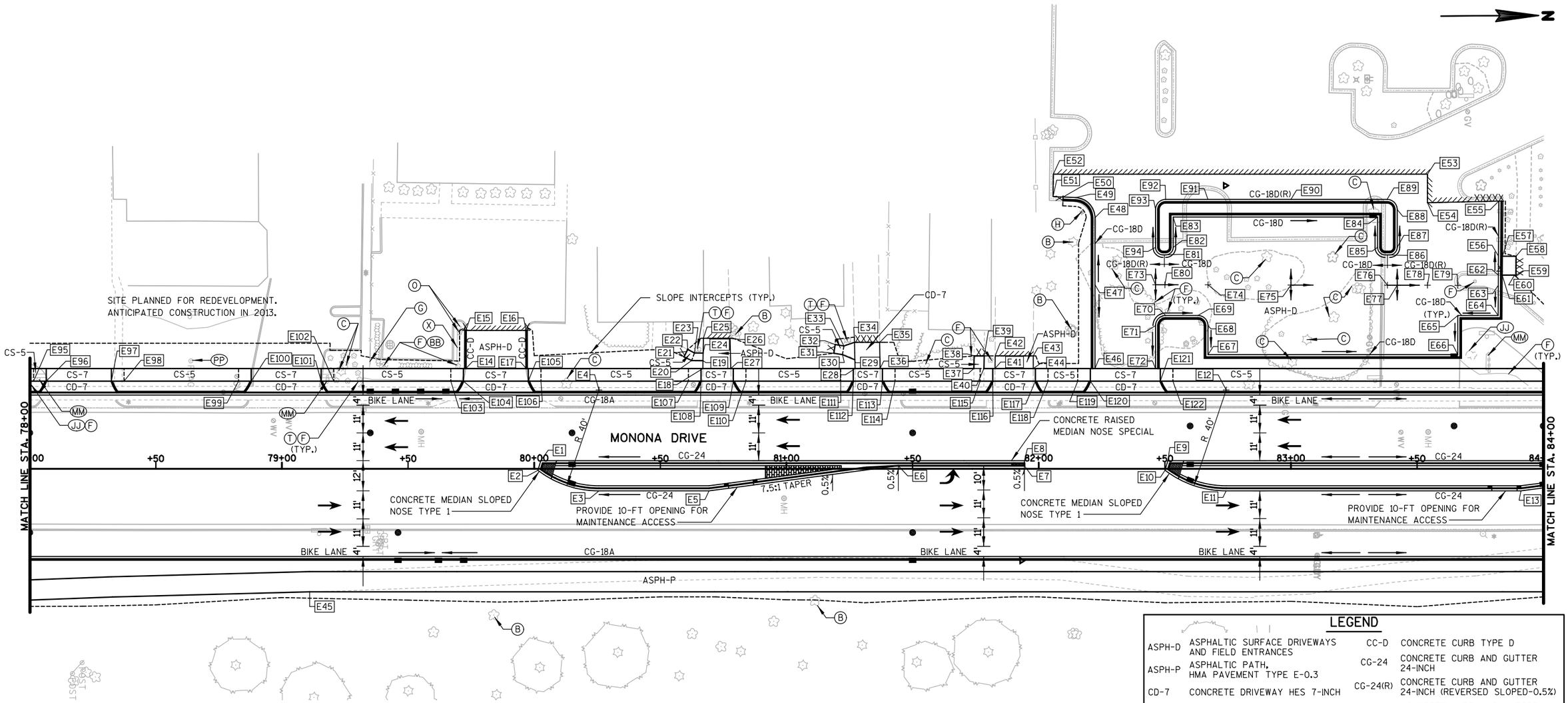
LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 55	E

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	NORTHING	EASTING	REMARKS
D1	73+21.71	8.75'RT	894.32	479,417.80	836,687.37	---
D2	73+96.71	1.25'LT	894.73	479,492.87	836,677.89	---
D3	74+46.71	1.25'LT	895.08	479,542.87	836,678.24	---
D4	74+46.71	3.25'LT	895.06	479,542.88	836,676.24	---
D5	75+03.65	3.25'LT	895.41	479,599.82	836,676.64	---
D6	75+02.51	0.60'RT	895.47	479,598.65	836,680.48	---
D7	75+17.60	7.70'RT	895.70	479,613.70	836,687.68	---
D8	75+26.71	31.25'LT	---	479,623.07	836,648.80	R = 40'
D9	75+84.73	1.25'LT	896.15	479,680.89	836,679.20	---
D10	76+34.73	1.25'LT	896.72	479,730.89	836,679.55	---
D11	76+34.73	3.25'LT	896.69	479,730.90	836,677.55	---
D12	76+91.64	3.25'LT	897.27	479,787.81	836,677.95	---
D13	76+90.51	0.58'RT	897.27	479,786.65	836,681.77	---
D14	77+14.73	8.75'RT	897.30	479,810.81	836,690.11	---
D15	77+14.73	31.25'LT	---	479,811.09	836,650.11	R = 40'
D16	77+33.40	8.75'RT	897.23	479,829.49	836,690.24	---
D17	77+83.40	0.75'RT	897.02	479,879.54	836,682.59	---
D18	77+83.40	3.25'LT	897.09	479,879.57	836,678.59	---
D19	72+12.04	45.25'LT	894.37	479,308.52	836,632.60	---
D20	72+12.04	60.69'LT	---	479,308.63	836,617.16	MATCH EXIST. PARKING LOT
D21	72+12.04	95.83'LT	---	479,308.87	836,582.02	MATCH EXIST. PARKING LOT
D22	72+39.64	39.75'LT	893.71	479,336.07	836,638.29	---
D23	72+39.55	44.34'LT	893.81	479,336.02	836,633.70	---
D24	72+34.55	49.25'LT	893.99	479,331.05	836,628.76	---
D25	72+34.55	44.25'LT	---	479,331.02	836,633.76	R = 5'
D26	72+19.29	49.25'LT	894.11	479,315.79	836,628.65	---
D27	72+19.44	84.25'LT	894.59	479,316.19	836,593.65	---
D28	72+30.71	84.25'LT	894.53	479,327.45	836,593.73	---
D29	72+30.71	93.57'LT	---	479,327.52	836,584.41	MATCH EXIST. CONCRETE
D30	72+48.03	85.45'LT	---	479,344.78	836,592.65	MATCH EXIST. CONCRETE
D31	72+48.03	95.15'LT	---	479,344.85	836,582.96	MATCH EXIST. CONCRETE
D32	72+54.82	95.24'LT	---	479,351.64	836,582.91	MATCH EXIST. CONCRETE
D33	72+54.80	93.25'LT	894.38	479,351.61	836,584.90	EDGE OF ASPHALT
D34	72+98.09	93.25'LT	894.30	479,394.89	836,585.20	EDGE OF ASPHALT; EDGE OF SIDEWALK
D35	72+98.09	98.46'LT	---	479,394.93	836,579.99	MATCH EXISTING ENTRANCE
D36	73+07.91	98.30'LT	---	479,404.75	836,580.22	MATCH EXISTING ENTRANCE
D37	73+07.91	93.25'LT	894.32	479,404.71	836,585.27	EDGE OF ASPHALT; EDGE OF SIDEWALK
D38	73+95.45	93.25'LT	894.53	479,492.26	836,585.88	EDGE OF ASPHALT; EDGE OF SIDEWALK
D39	73+93.35	97.85'LT	---	479,490.19	836,581.27	EDGE OF SIDEWALK
D40	73+89.45	93.29'LT	---	479,486.26	836,585.80	R = 6'
D41	73+89.40	103.43'LT	---	479,486.27	836,575.67	MATCH EXIST. SIDEWALK
D42	73+92.72	104.51'LT	---	479,489.61	836,574.60	MATCH EXIST. SIDEWALK
D43	74+02.44	108.49'LT	---	479,499.35	836,570.70	R = 10.5'
D44	73+95.62	100.51'LT	---	479,492.47	836,578.63	EDGE OF SIDEWALK
D45	73+98.95	93.25'LT	894.54	479,495.75	836,585.91	EDGE OF ASPHALT; EDGE OF SIDEWALK
D46	73+76.83	42.42'LT	---	479,473.28	836,636.58	EDGE OF SIDEWALK
D47	74+13.75	93.25'LT	894.58	479,510.55	836,586.01	---
D48	74+13.75	98.72'LT	---	479,510.59	836,580.54	MATCH EXISTING
D49	74+30.00	97.83'LT	---	479,526.84	836,581.54	MATCH EXISTING
D50	74+30.00	93.25'LT	895.07	479,526.81	836,586.12	---
D51	74+36.05	93.25'LT	895.14	479,532.85	836,586.17	---
D52	74+35.99	78.94'LT	894.91	479,532.69	836,600.48	---
D53	74+42.83	74.27'LT	895.06	479,539.51	836,605.19	---
D54	74+40.99	78.92'LT	---	479,537.69	836,600.53	R = 5'
D55	74+52.52	78.12'LT	895.14	479,549.22	836,601.41	EDGE OF ASPHALT; EDGE OF SIDEWALK
D56	74+52.52	92.84'LT	---	479,549.33	836,586.69	MATCH EXIST. SIDEWALK
D57	74+56.02	92.90'LT	---	479,552.82	836,586.65	MATCH EXIST. SIDEWALK
D58	74+56.02	79.51'LT	895.16	479,552.73	836,600.04	EDGE OF ASPHALT; EDGE OF SIDEWALK
D59	74+72.81	86.18'LT	895.30	479,569.56	836,593.49	EDGE OF ASPHALT
D60	74+72.81	100.13'LT	---	479,569.66	836,579.54	MATCH EXIST. PARKING LOT
D61	74+97.83	100.09'LT	---	479,594.68	836,579.75	EDGE OF ASPAHLT
D62	75+04.72	111.44'LT	---	479,601.65	836,568.45	EDGE OF ASPAHLT
D63	75+05.87	163.04'LT	---	479,603.16	836,516.87	MATCH EXIST. PARKING LOT
D64	75+10.87	162.93'LT	---	479,608.16	836,517.01	MATCH EXIST. PARKING LOT
D65	75+09.77	113.54'LT	---	479,606.72	836,566.39	MATCH EXIST. PARKING LOT
D66	75+44.24	112.66'LT	---	479,641.18	836,567.51	MATCH EXIST. PARKING LOT
D67	75+44.15	107.66'LT	---	479,641.05	836,572.51	MATCH EXISTING
D68	75+25.50	108.08'LT	895.82	479,622.40	836,571.96	---
D69	75+21.11	105.68'LT	895.78	479,618.00	836,574.34	---
D70	75+25.39	103.08'LT	---	479,622.26	836,576.96	R = 5'

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	NORTHING	EASTING	REMARKS
D71	74+98.40	68.29'LT	895.37	479,595.03	836,611.56	---
D72	74+96.81	62.58'LT	895.31	479,593.39	836,617.26	---
D73	75+07.81	62.58'LT	---	479,604.39	836,617.34	R = 11'
D74	74+96.81	39.75'LT	895.27	479,593.23	836,640.09	---
D75	72+63.64	39.75'LT	893.88	479,360.07	836,638.46	---
D76	72+63.56	44.16'LT	893.90	479,360.02	836,634.06	---
D77	72+68.56	49.25'LT	893.93	479,365.06	836,629.00	---
D78	72+68.56	44.25'LT	---	479,365.02	836,634.00	R = 5'
D79	74+43.90	49.25'LT	894.76	479,540.40	836,630.22	---
D80	74+45.75	49.60'LT	894.69	479,542.25	836,629.88	---
D81	74+43.90	54.25'LT	---	479,540.43	836,625.22	R = 5'
D82	74+65.36	57.40'LT	895.10	479,561.91	836,622.22	---
D83	74+67.21	57.75'LT	895.14	479,563.76	836,621.88	---
D84	74+67.21	52.75'LT	---	479,563.73	836,626.88	R = 5'
D85	74+67.81	57.75'LT	895.15	479,564.36	836,621.89	---
D86	74+72.81	52.75'LT	895.30	479,569.33	836,626.92	---
D87	74+67.81	52.75'LT	---	479,564.33	836,626.89	R = 5'
D88	74+72.81	39.75'LT	895.14	479,569.23	836,639.92	---
D89	72+12.04	102.57'LT	895.06	479,308.92	836,575.28	---
D90	73+63.17	43.25'LT	---	479,459.62	836,635.66	EDGE OF SIDEWALK
D91	73+69.67	43.25'LT	---	479,466.12	836,635.70	EDGE OF SIDEWALK
D92	73+74.17	42.42'LT	---	479,470.62	836,636.57	EDGE OF SIDEWALK
D93	74+35.86	49.25'LT	894.50	479,532.35	836,630.16	---
D94	74+96.81	49.25'LT	895.42	479,593.30	836,630.59	---
D95	76+62.73	-39.75'LT	896.95	479,759.15	836,641.25	---
D96	76+62.73	-54.25'LT	896.85	479,759.25	836,626.75	---
D97	76+54.73	-54.27'LT	896.75	479,751.25	836,626.67	---
D98	76+54.73	-42.77'LT	896.68	479,751.17	836,638.17	---
D99	75+90.23	-42.77'LT	895.91	479,686.68	836,637.72	---
D100	75+90.23	-65.25'LT	---	479,686.83	836,615.24	MATCH EXIST. PARKING LOT
D101	76+75.98	-65.25'LT	---	479,772.58	836,615.84	MATCH EXIST. PARKING LOT
D102	76+76.02	-70.25'LT	---	479,772.66	836,610.84	MATCH EXIST. PARKING LOT
D103	76+83.39	-70.25'LT	---	479,780.03	836,610.89	MATCH EXIST. PARKING LOT
D104	76+83.35	-65.25'LT	---	479,779.95	836,615.89	MATCH EXIST. PARKING LOT
D105	77+87.56	-65.25'LT	---	479,884.16	836,616.62	MATCH EXIST. PARKING LOT
D106	77+87.46	-45.25'LT	897.18	479,883.92	836,636.62	---
D107	76+93.73	-45.25'LT	896.71	479,790.19	836,635.96	---
D108	76+93.73	-59.75'LT	896.83	479,790.29	836,621.46	---
D109	76+86.73	-59.75'LT	896.94	479,783.29	836,621.42	---
D110	76+86.73	-39.75'LT	897.16	479,783.15	836,641.41	---
D111	76+58.73	-54.26'LT	---	479,755.25	836,626.71	R = 4'
D112	76+90.23	-59.75'LT	---	479,786.79	836,621.44	R = 3.5'
D113	72+32.88	34.75'LT	893.83	479,329.28	836,643.25	FOS
D114	72+37.88	34.75'LT	893.60	479,334.28	836,643.28	FOS AT DRIVEWAY
D115	72+65.62	34.75'LT	893.77	479,362.02	836,643.47	FOS AT DRIVEWAY
D116	72+70.62	34.75'LT	894.06	479,367.02	836,643.51	FOS
D117	74+65.75	34.77'LT	895.26	479,562.15	836,644.85	FOS
D118	74+70.75	34.77'LT	895.03	479,567.15	836,644.89	FOS AT DRIVEWAY
D119	74+99.74	34.75'LT	895.21	479,596.13	836,645.11	FOS AT DRIVEWAY
D120	75+04.74	34.75'LT	895.50	479,601.13	836,645.14	FOS
D121	76+55.87	34.75'LT	897.03	479,752.26	836,646.20	FOS
D122	76+60.87	34.75'LT	896.83	479,757.26	836,646.23	FOS AT DRIVEWAY
D123	76+88.59	34.75'LT	897.08	479,784.98	836,646.43	FOS AT DRIVEWAY
D124	76+93.59	34.75'LT	897.37	479,789.98	836,646.46	FOS



LEGEND

- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (G) EXISTING FENCE TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (H) EXISTING LIGHT POLE TO REMAIN
- (O) EXISTING SHRUBS TO REMAIN
- (T) SALVAGE AND REPLACE LANDSCAPING MULCH REQUIRED
- (X) EXISTING SIGN AND LIGHTING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (BB) SALVAGE AND REPLACE LANDSCAPING STONE REQUIRED
- (JJ) REMOVING LANDSCAPING BOULDERS REQUIRED (EXCAVATION COMMON)
- (MM) EXISTING SIGN TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (PP) EXISTING FLAG POLE TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION.

NOTES:

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

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

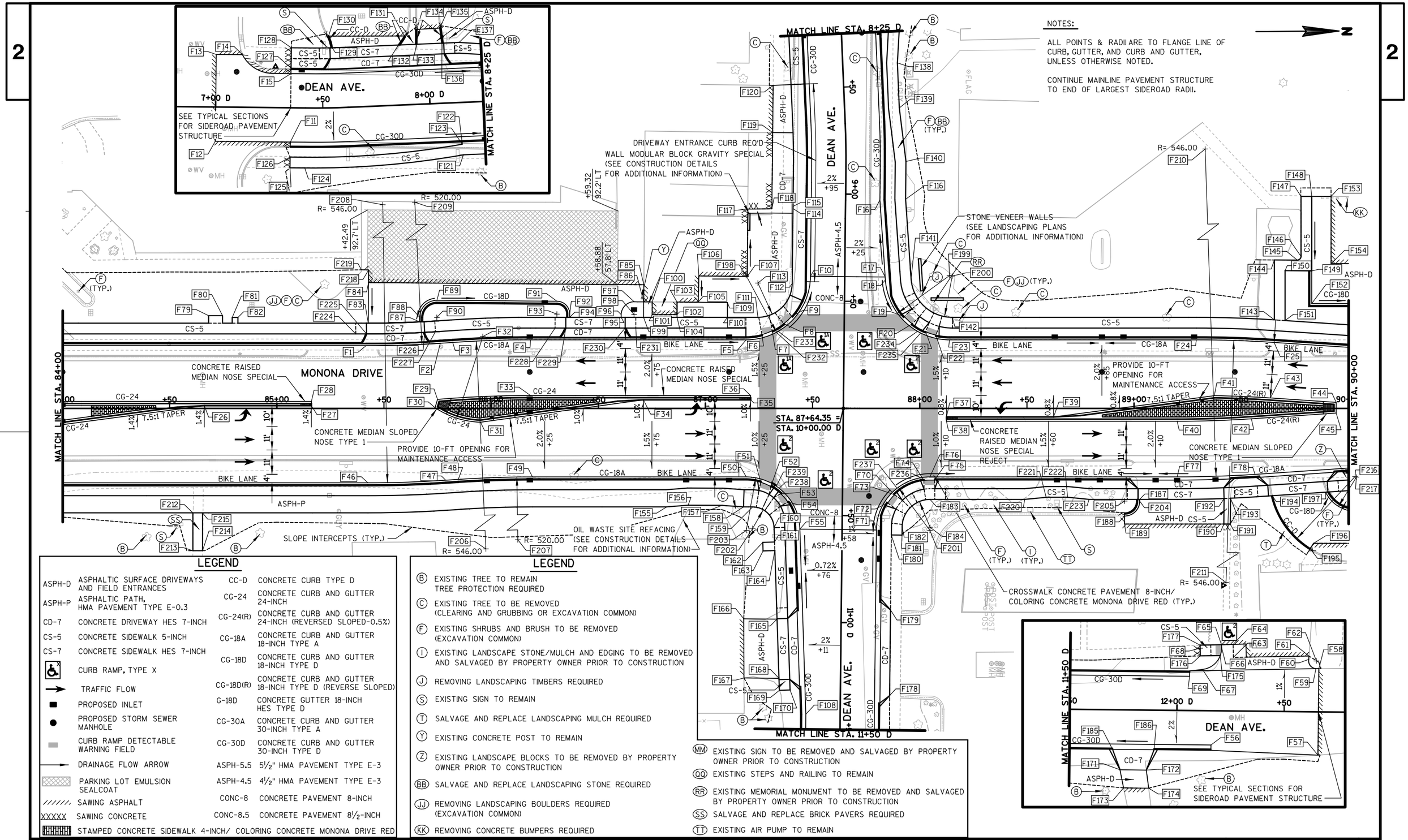
LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 57	E

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	NORTHING	EASTING	REMARKS
E1	80+02.62	3.25'LT	896.08	480,098.78	836,680.12	---
E2	80+01.48	0.60'RT	896.03	480,097.61	836,683.96	---
E3	80+25.68	8.75'RT	896.12	480,121.76	836,692.28	---
E4	80+25.68	31.25'LT	---	480,122.04	836,652.28	R = 40'
E5	80+69.32	8.75'RT	896.53	480,165.40	836,692.58	---
E6	81+44.32	1.25'LT	897.19	480,240.46	836,683.11	---
E7	81+94.32	1.25'LT	897.66	480,290.46	836,683.46	---
E8	81+94.32	3.25'LT	897.65	480,290.48	836,681.46	---
E9	82+51.22	3.25'LT	898.13	480,347.37	836,681.86	---
E10	82+50.08	0.57'RT	898.16	480,346.21	836,685.67	---
E11	82+74.32	8.75'RT	898.46	480,370.39	836,694.02	---
E12	82+74.32	31.25'LT	---	480,370.67	836,654.02	R = 40'
E13	83+91.17	8.75'RT	898.46	480,487.24	836,694.83	---
E14	79+72.86	39.75'LT	895.90	480,069.28	836,643.41	---
E15	79+72.93	54.85'LT	---	480,069.45	836,628.31	MATCH EXIST. PARKING LOT
E16	79+96.79	54.85'LT	---	480,093.31	836,628.48	MATCH EXIST. PARKING LOT
E17	79+96.86	39.75'LT	895.97	480,093.28	836,643.58	---
E18	80+66.84	39.75'LT	---	480,163.25	836,644.07	EDGE OF ASPHALT
E19	80+66.90	42.85'LT	---	480,163.34	836,640.97	EDGE OF ASPHALT
E20	80+62.44	42.93'LT	---	480,158.88	836,640.86	EDGE OF SIDEWALK
E21	80+59.35	44.37'LT	---	480,155.80	836,639.40	MATCH EXIST. SIDEWALK
E22	80+60.85	47.29'LT	---	480,157.31	836,636.49	MATCH EXIST. SIDEWALK
E23	80+63.54	45.91'LT	---	480,159.99	836,637.89	EDGE OF SIDEWALK
E24	80+66.96	45.85'LT	---	480,163.42	836,637.97	EDGE OF ASPHALT
E25	80+67.08	51.75'LT	---	480,163.58	836,632.07	MATCH EXIST. DRIVEWAY
E26	80+77.63	51.75'LT	---	480,174.13	836,632.14	MATCH EXIST. DRIVEWAY
E27	80+77.93	39.75'LT	---	480,174.35	836,644.15	EDGE OF ASPHALT
E28	81+27.22	39.75'LT	---	480,223.63	836,644.49	EDGE OF CONCRETE DRIVEWAY
E29	81+27.13	43.20'LT	---	480,223.57	836,641.04	EDGE OF CONCRETE DRIVEWAY
E30	81+22.21	45.22'LT	---	480,218.66	836,638.98	EDGE OF SIDEWALK
E31	81+18.75	45.77'LT	---	480,215.21	836,638.41	MATCH EXIST. SIDEWALK
E32	81+19.30	49.23'LT	---	480,215.78	836,634.96	MATCH EXIST. SIDEWALK
E33	81+22.76	48.68'LT	---	480,219.23	836,635.53	EDGE OF SIDEWALK
E34	81+26.96	50.12'LT	---	480,223.45	836,634.12	MATCH EXIST. DRIVEWAY
E35	81+36.96	50.12'LT	---	480,233.45	836,634.19	MATCH EXIST. DRIVEWAY
E36	81+37.10	39.75'LT	---	480,233.51	836,644.56	EDGE OF CONCRETE DRIVEWAY
E37	81+74.29	39.75'LT	---	480,270.71	836,644.82	BOS
E38	81+74.38	44.75'LT	---	480,270.83	836,639.82	MATCH EXIST. SIDEWALK
E39	81+78.38	44.75'LT	---	480,274.83	836,639.85	MATCH EXIST. SIDEWALK
E40	81+78.28	39.75'LT	---	480,274.70	836,644.85	BOS
E41	81+82.69	39.75'LT	---	480,279.11	836,644.88	EDGE OF ASPHALT DRIVEWAY
E42	81+82.72	44.75'LT	---	480,279.16	836,639.88	MATCH EXIST. DRIVEWAY
E43	81+97.84	44.75'LT	---	480,294.29	836,639.98	MATCH EXIST. DRIVEWAY
E44	81+97.82	39.75'LT	---	480,294.23	836,644.98	EDGE OF ASPAHLT DRIVEWAY
E45	79+10.97	48.75'RT	---	480,006.77	836,731.48	BOS
E46	82+22.32	39.75'LT	897.81	480,318.73	836,645.15	---
E47	82+22.32	72.98'LT	897.98	480,318.96	836,611.93	---
E48	82+22.32	99.48'LT	896.98	480,319.15	836,585.42	---
E49	82+14.66	107.47'LT	896.52	480,311.54	836,577.38	---
E50	82+09.66	107.69'LT	---	480,306.55	836,577.13	MATCH EXIST. 18-INCH C&G
E51	82+05.69	107.85'LT	---	480,302.58	836,576.94	MATCH EXIST. CURB FLANGE
E52	82+05.78	116.75'LT	---	480,302.73	836,568.04	MATCH EXIST. PARKING LOT; MATCH EXIST. CURB FLANGE
E53	83+54.11	116.75'LT	---	480,451.05	836,569.08	MATCH EXIST. PARKING LOT
E54	83+54.11	105.42'LT	---	480,450.97	836,580.40	MATCH EXIST. PARKING LOT
E55	83+82.37	106.11'LT	---	480,479.24	836,579.91	MATCH EXIST. 18-INCH C&G
E56	83+82.24	84.25'LT	897.25	480,478.96	836,601.77	---
E57	83+83.82	84.24'LT	---	480,480.53	836,601.79	BOC; CURB RAMP OPENING
E58	83+89.24	84.20'LT	---	480,485.96	836,601.87	MATCH EXIST. SIDEWALK
E59	83+89.17	76.24'LT	---	480,485.83	836,609.83	MATCH EXIST. SIDEWALK
E60	83+88.65	76.77'LT	---	480,485.31	836,609.30	MATCH EXIST. SIDEWALK
E61	83+83.75	76.77'LT	---	480,480.42	836,609.26	BOC; CURB RAMP OPENING
E62	83+82.20	76.77'LT	897.31	480,478.87	836,609.25	---
E63	83+82.18	72.67'LT	897.45	480,478.81	836,613.35	---
E64	83+82.11	60.75'LT	897.39	480,478.66	836,625.27	---
E65	83+66.11	60.75'LT	897.31	480,462.66	836,625.16	---
E66	83+66.11	45.25'LT	897.23	480,462.55	836,640.66	---
E67	82+67.11	45.25'LT	897.78	480,363.56	836,639.97	---
E68	82+67.11	56.75'LT	897.90	480,363.64	836,628.47	---
E69	82+63.11	60.75'LT	897.94	480,359.66	836,624.44	---
E70	82+50.32	60.75'LT	898.03	480,346.88	836,624.35	---

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	NORTHING	EASTING	REMARKS
E71	82+46.32	56.75'LT	898.10	480,342.85	836,628.32	---
E72	82+46.32	39.75'LT	898.01	480,342.73	836,645.32	---
E73	82+46.32	72.93'LT	898.18	480,342.96	836,612.14	---
E74	82+67.11	72.89'LT	898.06	480,363.75	836,612.33	---
E75	83+00.00	72.83'LT	897.88	480,396.64	836,612.62	---
E76	83+38.21	72.75'LT	897.68	480,434.85	836,612.96	---
E77	83+42.11	72.74'LT	897.66	480,438.75	836,613.00	---
E78	83+54.11	72.72'LT	897.60	480,450.75	836,613.10	---
E79	83+66.11	72.70'LT	897.53	480,462.75	836,613.21	---
E80	82+50.00	72.92'LT	898.16	480,346.64	836,612.17	---
E81	82+50.00	84.75'LT	897.73	480,346.72	836,600.35	---
E82	82+53.32	87.75'LT	897.62	480,350.07	836,597.37	---
E83	82+53.32	99.75'LT	897.33	480,350.15	836,585.37	---
E84	83+34.32	99.75'LT	896.88	480,431.15	836,585.94	---
E85	83+34.32	87.75'LT	897.14	480,431.06	836,597.94	---
E86	83+38.21	84.75'LT	897.26	480,434.94	836,600.96	---
E87	83+42.11	87.75'LT	897.03	480,438.85	836,597.99	---
E88	83+42.11	102.75'LT	896.40	480,438.96	836,582.99	---
E89	83+38.11	106.75'LT	896.14	480,434.98	836,578.96	---
E90	83+00.00	106.75'LT	896.34	480,396.88	836,578.70	---
E91	82+67.11	106.75'LT	896.31	480,363.99	836,578.47	---
E92	82+50.32	106.75'LT	896.29	480,347.20	836,578.35	---
E93	82+46.32	102.75'LT	896.76	480,343.17	836,582.32	---
E94	82+46.32	87.75'LT	897.47	480,343.07	836,597.32	---
E95	78+01.54	34.75'LT	897.04	479,897.92	836,647.22	FOS
E96	78+06.54	34.75'LT	896.74	479,902.92	836,647.25	FOS AT DRIVEWAY
E97	78+32.40	34.75'LT	896.57	479,928.79	836,647.43	FOS AT DRIVEWAY
E98	78+37.40	34.75'LT	896.79	479,933.79	836,647.47	FOS
E99	78+82.82	34.75'LT	896.47	479,979.21	836,647.78	FOS
E100	78+87.82	34.75'LT	896.17	479,984.21	836,647.82	FOS AT DRIVEWAY
E101	79+15.54	34.75'LT	895.98	480,011.92	836,648.01	FOS AT DRIVEWAY
E102	79+20.54	34.75'LT	896.20	480,016.92	836,648.05	FOS
E103	79+66.95	34.75'LT	896.06	480,063.33	836,648.37	FOS
E104	79+71.95	34.75'LT	895.80	480,068.33	836,648.41	FOS AT DRIVEWAY
E105	79+97.67	34.75'LT	895.88	480,094.05	836,648.59	FOS AT DRIVEWAY
E106	80+02.67	34.75'LT	896.16	480,099.05	836,648.62	FOS
E107	80+61.12	34.75'LT	896.62	480,157.50	836,649.03	FOS
E108	80+66.12	34.75'LT	896.40	480,162.50	836,649.06	FOS AT DRIVEWAY
E109	80+78.90	34.75'LT	896.51	480,175.28	836,649.15	FOS AT DRIVEWAY
E110	80+83.90	34.75'LT	896.81	480,180.28	836,649.19	FOS
E111	81+21.48	34.75'LT	897.12	480,217.86	836,649.45	FOS
E112	81+26.48	34.75'LT	896.90	480,222.86	836,649.48	FOS AT DRIVEWAY
E113	81+38.03	34.75'LT	897.00	480,234.41	836,649.57	FOS AT DRIVEWAY
E114	81+43.03	34.75'LT	897.31	480,239.41	836,649.60	FOS
E115	81+76.81	34.75'LT	897.59	480,273.19	836,649.84	FOS
E116	81+81.81	34.75'LT	897.37	480,278.19	836,649.87	FOS AT DRIVEWAY
E117	81+98.66	34.75'LT	897.51	480,295.04	836,649.99	FOS AT DRIVEWAY
E118	82+03.66	34.75'LT	897.82	480,300.04	836,650.02	FOS
E119	82+15.46	34.75'LT	897.91	480,311.84	836,650.11	FOS
E120	82+20.46	34.75'LT	897.69	480,316.84	836,650.14	FOS AT DRIVEWAY
E121	82+48.18	34.75'LT	897.92	480,344.55	836,650.33	FOS AT DRIVEWAY
E122	82+53.18	34.75'LT	898.23	480,349.55	836,650.37	FOS



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

LEGEND

- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (I) EXISTING LANDSCAPE STONE/MULCH AND EDGING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (J) REMOVING LANDSCAPING TIMBERS REQUIRED
- (S) EXISTING SIGN TO REMAIN
- (T) SALVAGE AND REPLACE LANDSCAPING MULCH REQUIRED
- (Y) EXISTING CONCRETE POST TO REMAIN
- (Z) EXISTING LANDSCAPE BLOCKS TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (BB) SALVAGE AND REPLACE LANDSCAPING STONE REQUIRED
- (JJ) REMOVING LANDSCAPING BOULDERS REQUIRED (EXCAVATION COMMON)
- (KK) REMOVING CONCRETE BUMPERS REQUIRED
- (MM) EXISTING SIGN TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (QQ) EXISTING STEPS AND RAILING TO REMAIN
- (RR) EXISTING MEMORIAL MONUMENT TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (SS) SALVAGE AND REPLACE BRICK PAVERS REQUIRED
- (TT) EXISTING AIR PUMP TO REMAIN

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

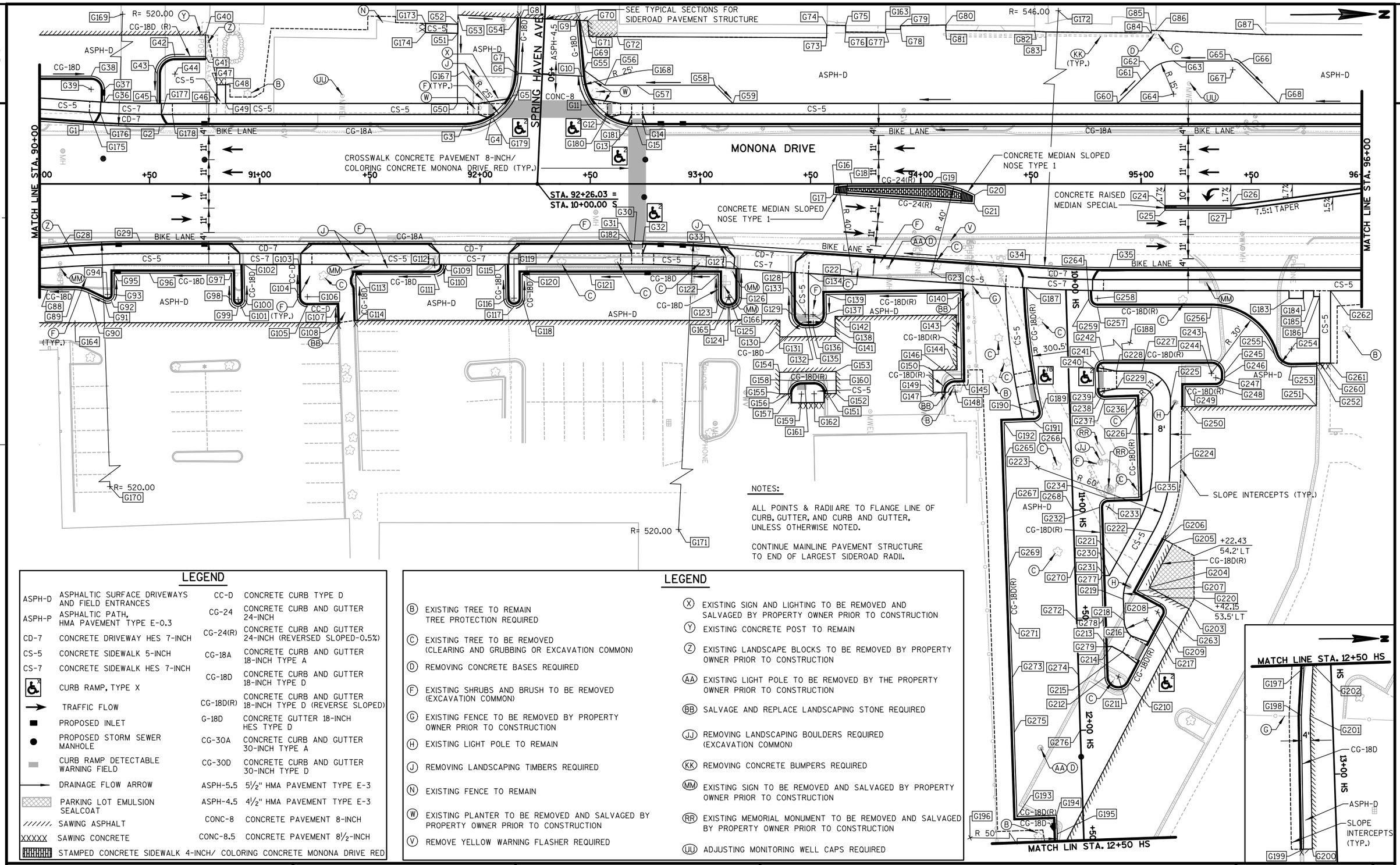
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\021206_pd.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

POINT NO.	MAINLINE		DEAN AVENUE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
F1	85+41.65	29.25'LT	---	---	896.45	480,637.98	836,657.88	---
F2	85+76.24	30.40'LT	---	---	896.16	480,672.58	836,656.97	---
F3	85+82.08	30.79'LT	---	---	896.10	480,678.42	836,656.62	---
F4	86+18.40	32.00'LT	---	---	895.79	480,714.74	836,655.67	---
F5	87+19.01	32.00'LT	9+68.48D	45.68'RT	895.04	480,815.35	836,656.37	---
F6	87+26.37	34.47'LT	9+65.94D	38.34'RT	---	480,822.74	836,653.95	BOC; CURB RAMP OPENING
F7	87+31.14	36.21'LT	9+64.14D	33.60'RT	---	480,827.51	836,652.25	BOC; CURB RAMP OPENING
F8	87+36.56	39.54'LT	9+60.75D	28.21'RT	---	480,832.95	836,648.95	BOC; CURB RAMP OPENING
F9	87+40.22	42.97'LT	9+57.29D	24.59'RT	---	480,836.64	836,645.55	BOC; CURB RAMP OPENING
F10	87+49.00	61.68'LT	9+38.48D	16.00'RT	893.76	480,845.56	836,626.90	---
F11	87+44.46	265.06'LT	7+35.00D	16.00'RT	---	480,842.43	836,423.50	MATCH EXIST. 30-INCH C&G
F12	87+44.83	300.05'LT	7+00.00D	16.00'RT	---	480,843.05	836,388.50	MATCH EXIST. PAVEMENT
F13	87+85.36	299.62'LT	7+00.00D	24.53'LT	---	480,883.57	836,389.22	MATCH EXIST. PAVEMENT
F14	87+85.23	287.37'LT	7+12.26D	24.53'LT	---	480,883.35	836,401.47	MATCH EXIST. 30-INCH C&G
F15	87+76.46	264.72'LT	7+35.00D	16.00'LT	---	480,874.43	836,424.06	MATCH EXIST. 30-INCH C&G
F16	87+81.38	97.26'LT	9+02.56D	16.00'LT	892.50	480,878.18	836,591.55	---
F17	87+83.87	61.31'LT	9+38.48D	18.87'LT	893.51	480,880.42	836,627.51	---
F18	87+83.97	59.93'LT	9+39.87D	18.98'LT	893.58	480,880.51	836,628.90	---
F19	87+92.79	42.85'LT	9+56.85D	27.98'LT	---	480,889.21	836,646.04	BOC; CURB RAMP OPENING
F20	87+96.47	39.45'LT	9+60.21D	31.70'LT	---	480,892.86	836,649.46	BOC; CURB RAMP OPENING
F21	88+02.77	35.76'LT	9+63.83D	38.04'LT	---	480,899.14	836,653.20	BOC; CURB RAMP OPENING
F22	88+07.53	34.22'LT	9+65.33D	42.82'LT	---	480,903.89	836,654.77	BOC; CURB RAMP OPENING
F23	88+13.90	32.00'LT	9+67.48D	49.20'LT	894.37	480,910.24	836,657.03	---
F24	89+29.04	32.00'LT	---	---	894.17	481,025.38	836,657.84	---
F25	89+65.36	30.79'LT	---	---	894.32	481,061.69	836,659.30	---
F26	84+66.17	1.25'LT	---	---	897.66	480,562.30	836,685.36	---
F27	85+16.17	1.25'LT	---	---	897.22	480,612.30	836,685.70	---
F28	85+16.17	3.25'LT	---	---	897.19	480,612.32	836,683.70	---
F29	85+74.97	4.18'LT	---	---	896.68	480,671.13	836,683.18	---
F30	85+73.83	0.33'LT	---	---	896.75	480,669.95	836,687.03	---
F31	85+95.06	6.44'RT	---	---	896.66	480,691.14	836,693.95	---
F32	85+96.12	33.54'LT	---	---	---	480,692.48	836,653.97	R = 40'
F33	86+18.40	6.00'LT	---	---	896.13	480,714.56	836,681.67	---
F34	86+71.08	4.00'LT	---	---	895.89	480,767.23	836,684.04	---
F35	87+21.08	4.00'LT	---	---	895.45	480,817.23	836,684.39	---
F36	87+21.08	6.00'LT	---	---	895.43	480,817.25	836,682.39	---
F37	88+12.43	4.00'RT	---	---	894.85	480,908.53	836,693.02	---
F38	88+12.43	6.00'RT	---	---	894.87	480,908.51	836,695.02	---
F39	88+62.43	4.00'RT	---	---	894.71	480,958.52	836,693.37	---
F40	89+20.12	6.00'RT	---	---	894.72	481,016.20	836,695.77	---
F41	89+37.43	5.93'LT	---	---	894.71	481,033.59	836,683.96	---
F42	89+54.71	4.85'RT	---	---	894.83	481,050.79	836,694.86	---
F43	89+63.63	4.85'LT	---	---	894.83	481,059.78	836,685.23	---
F44	89+94.31	2.80'LT	---	---	895.02	481,090.44	836,687.49	---
F45	89+94.31	2.21'RT	---	---	895.05	481,090.41	836,692.50	---
F46	85+42.52	34.75'RT	---	---	896.60	480,638.41	836,721.89	---
F47	85+78.84	33.54'RT	---	---	896.28	480,674.73	836,720.93	---
F48	85+84.67	33.15'RT	---	---	896.23	480,680.57	836,720.58	---
F49	86+19.26	32.00'RT	---	---	895.93	480,715.16	836,719.67	---
F50	87+19.06	32.00'RT	10+32.48 D	44.95'RT	895.30	480,814.96	836,720.37	---
F51	87+25.80	34.49'RT	10+34.89 D	38.18'RT	---	480,821.68	836,722.91	BOC; CURB RAMP OPENING
F52	87+30.50	36.47'RT	10+36.83 D	33.47'RT	---	480,826.36	836,724.92	BOC; CURB RAMP OPENING
F53	87+35.12	39.84'RT	10+40.15 D	28.81'RT	---	480,830.96	836,728.33	BOC; CURB RAMP OPENING
F54	87+38.44	43.71'RT	10+43.98 D	25.44'RT	---	480,834.26	836,732.22	BOC; CURB RAMP OPENING
F55	87+44.05	56.36'RT	10+56.57 D	19.70'RT	894.89	480,839.78	836,744.90	---
F56	87+46.06	215.87'RT	12+16.05D	16.00'RT	896.11	480,840.68	836,904.42	END 30-INCH C&G
F57	87+41.33	265.77'RT	12+66.00D	20.20'RT	---	480,835.60	836,954.29	MATCH EXIST. PAVEMENT
F58	87+81.74	266.20'RT	12+66.00D	20.21'LT	---	480,876.00	836,955.00	MATCH EXIST. PAVEMENT
F59	87+81.71	264.82'RT	12+64.62D	20.17'LT	896.79	480,875.98	836,953.62	---
F60	87+86.02	261.49'RT	12+61.25D	24.44'LT	---	480,880.32	836,950.32	EDGE OF ASPHALT
F61	87+87.61	261.61'RT	12+61.35D	26.03'LT	---	480,881.90	836,950.45	MATCH EXIST. PARKING LOT
F62	87+85.34	265.06'RT	12+64.82D	23.79'LT	---	480,879.60	836,953.88	R = 3.63'; EDGE OF ASPHALT
F63	87+87.09	232.34'RT	12+32.09D	25.20'LT	---	480,881.59	836,921.18	MATCH EXIST. DRIVEWAY
F64	87+93.20	232.23'RT	12+31.91D	31.30'LT	---	480,887.70	836,921.12	MATCH EXIST. DRIVEWAY
F65	87+92.85	220.77'RT	12+20.46D	30.84'LT	---	480,887.43	836,909.65	BOS; MATCH EXIST. DRIVEWAY
F66	87+91.64	220.82'RT	12+20.51D	29.63'LT	---	480,886.22	836,909.69	EDGE OF ASPHALT
F67	87+81.35	211.94'RT	12+11.75D	19.24'LT	896.29	480,875.99	836,900.74	---
F68	87+91.29	210.82'RT	12+10.52D	29.17'LT	---	480,885.93	836,899.69	R = 10'
F69	87+78.17	205.92'RT	12+05.76D	16.00'LT	896.24	480,872.85	836,894.69	END 30-INCH C&G
F70	87+87.17	39.23'RT	10+38.98 D	23.23'LT	894.82	480,883.01	836,728.07	---
F71	87+79.75	56.74'RT	10+56.57 D	16.00'LT	894.72	480,875.47	836,745.53	---
F72	87+85.06	44.16'RT	10+43.94D	21.18'LT	---	480,880.88	836,732.99	BOC; CURB RAMP OPENING
F73	87+88.23	40.29'RT	10+40.03D	24.31'LT	---	480,884.07	836,729.14	BOC; CURB RAMP OPENING
F74	88+01.96	33.67'RT	10+33.27D	37.96'LT	---	480,897.84	836,722.62	BOC; CURB RAMP OPENING

POINT NO.	MAINLINE		DEAN AVENUE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
F75	88+06.96	33.50'RT	10+33.05D	42.96'LT	---	480,902.84	836,722.48	BOC; CURB RAMP OPENING
F76	88+04.75	32.00'RT	10+31.57D	40.74'LT	894.65	480,900.65	836,720.97	---
F77	89+20.12	32.00'RT	---	---	894.20	481,016.01	836,721.77	---
F78	89+56.44	30.79'RT	---	---	894.31	481,052.34	836,720.82	---
F79	84+68.17	43.25'LT	---	---	---	480,564.60	836,643.37	EDGE OF SIDEWALK
F80	84+74.67	43.25'LT	---	---	---	480,571.10	836,643.42	EDGE OF SIDEWALK
F81	84+79.17	42.42'LT	---	---	---	480,575.59	836,644.28	EDGE OF SIDEWALK
F82	84+81.83	42.42'LT	---	---	---	480,578.26	836,644.30	EDGE OF SIDEWALK
F83	85+42.66	39.75'LT	---	---	---	480,639.06	836,647.39	EDGE OF ASPHALT
F84	85+42.77	58.69'LT	---	---	---	480,639.31	836,628.45	MATCH EXIST. PARKING LOT
F85	86+71.25	57.70'LT	---	---	---	480,767.77	836,630.34	MATCH EXIST. PARKING LOT
F86	86+71.18	49.72'LT	---	---	895.88	480,767.65	836,638.32	---
F87	85+66.66	40.36'LT	---	---	896.68	480,663.07	836,646.94	---
F88	85+66.68	42.49'LT	---	---	896.69	480,663.10	836,644.81	---
F89	85+74.74	50.45'LT	---	---	896.82	480,671.21	836,636.92	---
F90	85+74.67	42.45'LT	---	---	---	480,671.10	836,644.92	R = 8'
F91	86+30.75	50.01'LT	---	---	896.23	480,727.22	836,637.74	---
F92	86+36.70	43.99'LT	---	---	896.13	480,733.13	836,643.81	---
F93	86+30.70	44.01'LT	---	---	---	480,727.13	836,643.74	R = 6'
F94	86+36.70	42.50'LT	---	---	896.07	480,733.12	836,645.30	---
F95	86+60.70	42.50'LT	---	---	895.87	480,757.12	836,645.46	---
F96	86+60.70	43.77'LT	---	---	895.86	480,757.13	836,644.19	---
F97	86+66.75	49.75'LT	---	---	895.82	480,763.22	836,638.26	---
F98	86+66.70	43.75'LT	---	---	---	480,763.13	836,644.26	R = 6'
F99	86+71.15	42.50'LT	---	---	---	480,767.57	836,645.54	BOS
F100	86+75.15	49.69'LT	---	---	---	480,771.62	836,638.38	MATCH EXIST. PAVEMENT
F101	86+75.11	43.77'LT	---	---	---	480,771.54	836,644.30	MATCH EXIST. PAVEMENT
F102	86+86.75	43.77'LT	---	---	---	480,783.17	836,644.38	MATCH EXIST. PAVEMENT
F103	86+86.75	49.61'LT	---	---	---	480,783.22	836,638.54	MATCH EXIST. PAVEMENT
F104	86+86.75	42.50'LT	---	---	---	480,783.17	836,645.65	BOS
F105	86+96.60	49.53'LT	---	---	895.52	480,793.07	836,638.69	MATCH PREVIOUS PARKING LOT ELEV.
F106	86+96.91	61.81'LT	---	---	895.58	480,793.47	836,626.40	MATCH PREVIOUS PARKING LOT ELEV.
F107	87+19.50	61.58'LT	9+38.9D	45.50'RT	895.16	480,816.05	836,626.79	MATCH PREVIOUS PARKING LOT ELEV.
F108	87+46.84	142.80'RT	11+42.98 D	16.00'RT	895.41	480,841.96	836,831.36	---
F109	87+10.24	49.42'LT	9+51.16D	54.63'RT	895.29	480,806.71	836,638.89	---
F110	87+10.24	42.50'LT	9+58.08D	54.55'RT	---	480,806.66	836,645.81	BOS
F111	87+24.47	42.50'LT	9+57.93D	40.33'RT	---	480,820.89	836,645.91	BOS
F112	87+40.47	58.33'LT	9+41.93D	24.50'RT	---	480,837.00	836,630.19	BOS
F113	87+24.47	58.50'LT	9+41.93D	40.50'RT	---	480,821.00	836,629.91	R = 16'
F114	87+40.84	93.29'LT	9+06.96D	24.50'RT	892.81	480,837.61	836,595.23	BOS; EDGE OF RETAINING WALL
F115	87+40.85	94.30'LT	9+05.95D	24.50'RT	892.77	480,837.63	836,594.22	BOS; EDGE OF RETAINING WALL
F116	87+93.39	97.61'LT	9+02.08 D	28.00'LT	---	480,890.19	836,591.28	BOS
F117	87+19.83	93.06'LT	9+07.42 D	45.50'RT	---	480,816.61	836,595.32	MATCH EXIST. PARKING LOT
F118	87+30.99	93.18'LT	9+07.18 D	34.35'RT	---	480,827.76	836,595.28	MATCH EXIST. PARKING LOT
F119	87+31.37	128.73'LT	8+70.08D	34.00'RT	---	480,828.39	836,559.73	MATCH EXIST. PARKING LOT
F120	87+31.60	150.77'LT	8+47.79D	32.83'RT	---	480,828.77	836,537.69	MATCH EXIST. PARKING LOT
F121	87+38.50	184.31'LT	8+14.58D	24.50'RT	---	480,835.91	836,504.20	BOS
F122	87+44.48	184.90'LT	8+14.25D	18.50'RT	---	480,841.89	836,503.66	BOC
F123	87+43.47	184.89'LT	8+14.21D	19.50'RT	---	480,840.88	836,503.66	EDGE OF SIDEWALK
F124	87+32.39	258.32'LT	7+41.86D	28.00'RT	---	480,830.31	836,430.15	BOS
F125	87+32.46	265.18'LT	7+35.00D	28.00'RT	---	480,830.43	836,423.29	MATCH EXIST. SIDEWALK
F126	87+37.46	265.13'LT	7+35.00D	23.00'RT	---	480,835.43	836,423.38	MATCH EXIST. SIDEWALK
F127	87+78.96	264.69'LT	7+35.00D	18.50'LT	---	480,876.93	836,424.11	BOC; MATCH EXIST. SIDEWALK
F128	87+88.46	264.59'LT	7+35.00D	28.00'LT	---	480,886.42	836,424.27	MATCH EXIST. SIDEWALK
F129	87+88.47	245.55'LT	7+55.04D	28.00'LT	888.77	480,886.30	836,443.32	---
F130	87+93.89	247.21'LT	7+53.35D	33.45'LT	---	480,891.73	836,441.69	MATCH EXIST. PARKING LOT
F131	87+93.97	211.77'LT	7+89.52D	32.10'LT	---	480,891.57	836,477.13	MATCH EXIST. PARKING LOT
F132	87+89.75	214.57'LT	7+86.55D	28.00'LT	889.65	480,887.36	836,474.30	---
F133	87+90.11	206.05'LT	7+95.08D	28.00'LT	889.89	480,887.67	836,482.82	---
F134	87+97.05	206.05'LT	7+95.37D	34.93'LT	---	480,894.61	836,482.87	MATCH EXIST. PARKING LOT
F135	87+97.67	195.23'LT	8+06.21D	35.09'LT	---	480,895.16	836,493.70	MATCH EXIST. PARKING LOT
F136	87+90.62	194.29'LT	8+06.84D	28.00'LT	890.23	480,888.09	836,494.58	---
F137	87+90.96	186.31'LT	8+14.83D	28.00'LT	---	480,888.38	836,502.56	BOS
F138	87+89.54	161.23'LT	8+39.83D	25.50'LT	---	480,886.78	836,527.64	BOS
F139	87+90.44	140.23'LT	8+60.84D	25.50'LT	---	480,887.54	836,548.64	BOS
F140	87+93.57	115.21'LT	8+84.66D	28.01'LT	---	480,890.50	836,573.68	BOS
F141	87+95.96	60.42'LT	9+39.25D	30.97'LT	---	480,892.50	836,628.49	BOS
F142	88+15.17	42.50'LT	9+56.96D	50.36'LT	---	480,911.58	836,646.54	BOS
F143	89+65.46	41.31'LT	---	---	---	481,061.86	836,648.79	BOS
F144	89+65.46	69.29'LT	---	---	896.00	481,062.06	836,620.80	---
F145	89+76.12	69.20'LT	---	---	896.16	481,072.72	836,620.96	---
F146	89+77.88	70.95'LT	---	---	896.15	481,074.49	836,619.23	---
F147	89+77.89	98.93'LT	---	---	---	481,074.69	836,591.25	MATCH EXIST. SIDEWALK
F148	89+82.88	98.93'LT	---	---	896.22	481,079.69	836,591.29	EDGE OF ASPHALT; EDGE OF SIDEWALK

POINT NO.	MAINLINE		DEAN AVENUE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
F149	89+82.88	64.15'LT	---	---	895.95	481,079.45	836,626.07	EDGE OF ASPHALT; EDGE OF SIDEWALK
F150	89+70.46	64.25'LT	---	---	896.02	481,067.02	836,625.88	---
F151	89+70.46	40.97'LT	---	---	---	481,066.86	836,649.15	BOS
F152	89+82.88	48.93'LT	---	---	895.84	481,079.34	836,641.29	---
F153	89+91.89	98.93'LT	---	---	---	481,088.69	836,591.35	MATCH EXISTING ASPHALT
F154	89+91.88	67.56'LT	---	---	---	481,088.47	836,622.72	MATCH EXIST. PARKING LOT
F155	86+81.90	46.00'RT	---	---	---	480,777.70	836,734.11	BOS
F156	86+91.90	45.21'RT	---	---	---	480,787.70	836,733.39	BOS
F157	87+07.74	45.26'RT	---	---	---	480,803.55	836,733.55	BOS
F158	87+17.74	46.00'RT	---	---	---	480,813.54	836,734.36	BOS
F159	87+22.03	46.00'RT	10+46.45 D	41.83'RT	---	480,817.83	836,734.39	BOS
F160	87+32.03	55.68'RT	10+56.02 D	31.73'RT	---	480,827.76	836,744.14	BOS
F161	87+32.24	62.35'RT	10+62.69 D	31.45'RT	---	480,827.93	836,750.81	BOS
F162	87+26.74	62.53'RT	10+62.92 D	36.94'RT	---	480,822.43	836,750.95	EDGE OF SIDEWALK
F163	87+26.87	66.53'RT	10+66.92 D	36.77'RT	---	480,822.53	836,754.95	EDGE OF SIDEWALK
F164	87+32.37	66.35'RT	10+66.69 D	31.28'RT	---	480,828.03	836,754.81	BOS
F165	87+33.40	98.36'RT	10+98.69 D	29.91'RT	---	480,828.83	836,786.83	EDGE OF ASPHALT
F166	87+17.87	98.20'RT	10+98.69D	45.44'RT	---	480,813.31	836,786.56	MATCH EXIST. PARKING LOT
F167	87+17.98	125.85'RT	11+26.33D	45.03'RT	---	480,813.23	836,814.21	MATCH EXIST. PARKING LOT
F168	87+34.29	126.02'RT	11+26.33 D	28.72'RT	---	480,829.53	836,814.49	EDGE OF ASPAHLT
F169	87+34.47	131.61'RT	11+31.92 D	28.48'RT	---	480,829.67	836,820.09	END SIDEWALK
F170	87+39.47	131.45'RT	11+31.71 D	23.49'RT	---	480,834.67	836,819.96	END SIDEWALK
F171	87+34.51	173.39'RT	11+73.70D	28.00'RT	---	480,829.42	836,861.87	EDGE OF ASPHALT; EDGE OF CONCRETE
F172	87+34.38	185.73'RT	11+86.03D	28.00'RT	---	480,829.21	836,874.20	EDGE OF ASPHALT; EDGE OF CONCRETE
F173	87+26.05	175.10'RT	11+75.49D	36.44'RT	---	480,820.95	836,863.51	MATCH EXIST. DRIVEWAY
F174	87+25.93	186.80'RT	11+87.19D	36.44'RT	---	480,820.75	836,875.21	MATCH EXIST. DRIVEWAY
F175	87+87.84	220.21'RT	12+19.95D	25.83'LT	---	480,882.43	836,909.06	EDGE OF ASPHALT; EDGE OF SIDEWALK
F176	87+87.68	210.87'RT	12+10.61D	25.57'LT	---	480,882.33	836,899.72	MATCH EXIST. SIDEWALK
F177	87+92.68	210.78'RT	12+10.47D	30.56'LT	---	480,887.33	836,899.66	MATCH EXIST. SIDEWALK
F178	87+85.93	134.07'RT	11+33.83D	23.00'LT	---	480,881.11	836,822.91	MATCH EXIST. SIDEWALK
F179	87+86.36	94.02'RT	10+93.78D	23.00'LT	---	480,881.82	836,782.86	MATCH EXIST. SIDEWALK
F180	87+86.73	59.07'RT	10+58.83D	23.00'LT	---	480,882.43	836,747.91	MATCH EXIST. SIDEWALK
F181	87+91.73	59.12'RT	10+58.83D	28.00'LT	---	480,887.43	836,748.00	MATCH EXIST. SIDEWALK
F182	87+91.77	55.36'RT	10+55.07D	28.00'LT	---	480,887.50	836,744.24	BOS
F183	88+04.76	42.50'RT	10+42.07D	40.86'LT	---	480,900.59	836,731.47	BOS
F184	88+04.76	55.50'RT	10+55.07D	41.00'LT	---	480,900.50	836,744.47	R = 13'
F185	87+44.05	169.99'RT	---	---	---	480,838.98	836,858.54	BOC; DRIVEWAY OPENING
F186	87+43.84	189.33'RT	---	---	---	480,838.64	836,877.87	BOC; DRIVEWAY OPENING
F187	89+02.61	42.50'RT	---	---	894.63	480,998.43	836,732.15	---
F188	88+95.54	50.25'RT	---	---	---	480,991.31	836,739.86	MATCH EXIST. 18-INCH C&G
F189	88+95.54	54.00'RT	---	---	---	480,991.28	836,743.60	MATCH EXIST. DRIVEWAY
F190	89+41.89	54.00'RT	---	---	---	481,037.63	836,743.93	MATCH EXIST. DRIVEWAY
F191	89+44.89	54.00'RT	---	---	---	481,040.63	836,743.95	MATCH EXIST. SIDEWALK
F192	89+41.99	42.07'RT	---	---	894.69	481,037.81	836,732.00	---
F193	89+44.99	41.94'RT	---	---	---	481,040.82	836,731.89	BOS
F194	89+64.50	40.78'RT	---	---	894.80	481,060.34	836,730.86	---
F195	89+82.18	65.46'RT	---	---	---	481,077.84	836,755.67	MATCH EXIST. CONCRETE CURB
F196	89+83.71	63.00'RT	---	---	---	481,079.39	836,753.22	MATCH EXIST. PARKING LOT
F197	89+89.36	39.12'RT	---	---	894.93	481,085.21	836,729.38	---
F198	87+19.01	62.00'LT	9+38.48D	46.00'RT	---	480,815.56	836,626.37	R = 30'
F199	88+13.90	62.00'LT	9+37.48D	48.88'LT	---	480,910.45	836,627.03	R = 30'
F200	88+15.14	61.75'LT	9+37.72D	50.13'LT	---	480,911.69	836,627.29	R = 19.25'
F201	88+04.75	57.00'RT	10+56.57D	41.00'LT	---	480,900.47	836,745.97	R = 25'
F202	87+22.03	56.00'RT	10+56.45 D	41.72'RT	---	480,817.76	836,744.39	R = 10'
F203	87+19.06	57.00'RT	10+57.48 D	44.68'RT	---	480,814.78	836,745.37	R = 25'
F204	89+02.61	43.25'RT	---	---	897.74	480,998.42	836,732.90	---
F205	88+95.61	43.25'RT	---	---	---	480,991.42	836,732.86	R = 7'
F206	86+18.40	514.00'RT	---	---	---	480,710.93	837,201.66	R = 546'
F207	86+19.26	552.00'RT	---	---	---	480,711.53	837,239.66	R = 520'
F208	85+42.52	511.25'LT	---	---	---	480,642.21	836,175.90	R = 546'
F209	85+41.65	549.25'LT	---	---	---	480,641.61	836,137.90	R = 520'
F210	89+20.12	514.00'LT	---	---	---	481,019.83	836,175.79	R = 546'
F211	89+29.04	514.00'RT	---	---	---	481,021.56	837,203.82	R = 546'
F212	84+60.85	48.75'RT	---	---	---	480,556.64	836,735.32	BOS
F213	84+60.85	66.45'RT	---	---	---	480,556.51	836,753.02	MATCH EXIST. SIDEWALK
F214	84+65.35	66.45'RT	---	---	---	480,561.01	836,753.05	MATCH EXIST. SIDEWALK
F215	84+65.35	48.75'RT	---	---	---	480,561.14	836,735.35	BOS
F216	90+03.11	31.81'RT	---	---	---	481,099.00	836,722.16	R = 39.63'
F217	90+03.74	32.11'RT	---	---	---	481,099.64	836,722.46	R = 16'

POINT NO.	MAINLINE		DEAN AVENUE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
F218	85+42.81	64.64'LT	---	---	---	480,639.39	836,622.50	SAWCUT
F219	85+39.46	64.66'LT	---	---	---	480,636.04	836,622.45	SAWCUT
F220	88+48.95	42.50'RT	---	---	---	480,944.77	836,731.78	BOS
F221	88+58.95	41.50'RT	---	---	---	480,954.78	836,730.85	BOS
F222	88+68.95	41.50'RT	---	---	---	480,964.78	836,730.92	BOS
F223	88+78.95	42.50'RT	---	---	---	480,974.77	836,731.99	BOS
F224	85+36.85	34.73'LT	---	---	897.09	480,633.22	836,652.37	FOS
F225	85+41.85	34.75'LT	---	---	896.79	480,638.22	836,652.38	FOS AT DRIVEWAY
F226	85+68.98	35.48'LT	---	---	896.56	480,665.35	836,651.85	FOS AT DRIVEWAY
F227	85+73.97	35.74'LT	---	---	896.77	480,670.34	836,651.62	FOS
F228	86+29.82	37.50'LT	---	---	896.29	480,726.20	836,650.25	FOS
F229	86+34.82	37.50'LT	---	---	895.99	480,731.20	836,650.28	FOS AT DRIVEWAY
F230	86+62.53	37.50'LT	---	---	895.75	480,758.92	836,650.48	FOS AT DRIVEWAY
F231	86+67.53	37.50'LT	---	---	895.97	480,763.92	836,650.51	FOS
F232	87+33.08	35.51'LT	---	---	---	480,829.45	836,652.96	CROSSWALK LAYOUT POINT
F233	87+33.97	36.00'LT	---	---	---	480,830.34	836,652.48	CROSSWALK LAYOUT POINT
F234	87+98.93	36.00'LT	---	---	---	480,895.30	836,652.93	CROSSWALK LAYOUT POINT
F235	88+00.43	35.19'LT	---	---	---	480,896.80	836,653.75	CROSSWALK LAYOUT POINT
F236	88+00.43	32.38'RT	---	---	---	480,896.33	836,721.31	CROSSWALK LAYOUT POINT
F237	87+89.41	37.26'RT	---	---	---	480,885.27	836,726.12	CROSSWALK LAYOUT POINT
F238	87+34.40	37.26'RT	---	---	---	480,830.26	836,725.73	CROSSWALK LAYOUT POINT
F239	87+33.08	36.30'RT	---	---	---	480,828.95	836,724.77	CROSSWALK LAYOUT POINT



NOTES:

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

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

LEGEND

- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (D) REMOVING CONCRETE BASES REQUIRED
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (G) EXISTING FENCE TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (H) EXISTING LIGHT POLE TO REMAIN
- (J) REMOVING LANDSCAPING TIMBERS REQUIRED
- (N) EXISTING FENCE TO REMAIN
- (W) EXISTING PLANTER TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (V) REMOVE YELLOW WARNING FLASHER REQUIRED
- (X) EXISTING SIGN AND LIGHTING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (Y) EXISTING CONCRETE POST TO REMAIN
- (Z) EXISTING LANDSCAPE BLOCKS TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (AA) EXISTING LIGHT POLE TO BE REMOVED BY THE PROPERTY OWNER PRIOR TO CONSTRUCTION
- (BB) SALVAGE AND REPLACE LANDSCAPING STONE REQUIRED
- (JJ) REMOVING LANDSCAPING BOULDERS REQUIRED (EXCAVATION COMMON)
- (KK) REMOVING CONCRETE BUMPERS REQUIRED
- (MM) EXISTING SIGN TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (RR) EXISTING MEMORIAL MONUMENT TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (UU) ADJUSTING MONITORING WELL CAPS REQUIRED

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 62	E

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	SPRINGHAVEN AVENUE STATION	SPRINGHAVEN AVENUE OFFSET	HIGHSCHOOL STATION	HIGHSCHOOL OFFSET	ELEV.	NORTHING	EASTING	REMARKS
G1	90+19.94	27.15 'LT	---	---	---	---	894.71	481,116.24	836,663.32	---
G2	90+54.53	26.00 'LT	---	---	---	---	895.06	481,150.83	836,664.71	---
G3	91+92.27	26.00 'LT	9+75.54 S	34.88 'RT	---	---	897.22	481,288.57	836,665.68	---
G4	92+05.39	31.50 'LT	9+69.46 S	22.03 'RT	---	---	---	481,301.72	836,660.27	BOC; CURB RAMP OPENING
G5	92+10.77	36.50 'LT	9+64.22 S	16.88 'RT	---	---	---	481,307.13	836,655.30	BOC; CURB RAMP OPENING
G6	92+17.25	49.88 'LT	9+50.56 S	11.00 'RT	---	---	897.59	481,313.71	836,641.97	---
G7	92+17.26	50.20 'LT	9+50.24 S	11.00 'RT	---	---	897.59	481,313.72	836,641.65	---
G8	92+18.39	75.42 'LT	9+25.00 S	11.00 'RT	---	---	---	481,315.03	836,616.44	MATCH EXIST. 18-INCH C&G
G9	92+43.89	74.28 'LT	9+25.00 S	14.52 'LT	---	---	---	481,340.51	836,617.76	MATCH EXIST. 18-INCH C&G
G10	92+46.01	48.91 'LT	9+50.24 S	17.78 'LT	---	---	897.92	481,342.46	836,643.14	---
G11	92+52.43	36.50 'LT	9+62.35 S	24.75 'LT	---	---	---	481,348.80	836,655.60	BOC; CURB RAMP OPENING
G12	92+57.81	31.50 'LT	9+67.11 S	30.34 'LT	---	---	---	481,354.14	836,660.63	BOC; CURB RAMP OPENING
G13	92+68.81	27.60 'LT	9+70.52 S	41.51 'LT	---	---	---	481,365.11	836,664.61	BOC; CURB RAMP OPENING
G14	92+73.81	27.50 'LT	9+70.39 S	46.51 'LT	---	---	---	481,370.11	836,664.74	BOC; CURB RAMP OPENING
G15	92+70.93	26.00 'LT	9+72.02 S	43.69 'LT	---	---	898.81	481,367.21	836,666.22	---
G16	93+60.66	0.82 'RT	---	---	---	---	901.14	481,456.76	836,693.67	---
G17	93+60.39	4.81 'RT	---	---	---	---	901.20	481,456.46	836,697.66	---
G18	93+68.73	0.00 'RT	---	---	---	---	901.29	481,464.84	836,692.91	---
G19	94+04.93	0.00 'RT	---	---	---	---	902.00	481,501.04	836,693.16	---
G20	94+24.45	5.08 'RT	---	---	---	---	902.48	481,520.52	836,698.38	---
G21	94+24.18	9.07 'RT	---	---	---	---	902.54	481,520.23	836,702.36	---
G22	93+68.73	40.00 'RT	---	---	---	---	---	481,464.56	836,732.91	R = 40'
G23	94+04.93	40.00 'RT	---	---	---	---	---	481,500.76	836,733.16	R = 40'
G24	95+10.82	10.00 'RT	---	---	---	---	904.30	481,606.85	836,703.90	---
G25	95+10.82	12.00 'RT	---	---	---	---	904.33	481,606.84	836,705.90	---
G26	95+40.69	10.00 'RT	---	---	---	---	904.79	481,636.72	836,704.11	---
G27	95+40.82	12.00 'RT	---	---	---	---	904.82	481,636.84	836,706.11	---
G28	90+11.02	27.15 'RT	---	---	---	---	894.65	481,106.95	836,717.56	---
G29	90+45.61	26.00 'RT	---	---	---	---	894.97	481,141.55	836,716.65	---
G30	92+70.00	26.00 'RT	---	---	---	---	898.79	481,365.93	836,718.22	---
G31	92+68.81	27.50 'RT	---	---	---	---	---	481,364.73	836,719.71	BOC; CURB RAMP OPENING
G32	92+73.81	27.51 'RT	---	---	---	---	---	481,369.73	836,719.76	BOC; CURB RAMP OPENING
G33	93+04.59	27.15 'RT	---	---	---	---	899.52	481,400.51	836,719.61	---
G34	94+49.17	36.79 'RT	---	---	---	---	902.55	481,545.02	836,730.26	---
G35	94+85.60	38.00 'RT	---	---	---	---	903.32	481,581.44	836,731.72	---
G36	90+29.53	37.11 'LT	---	---	---	---	905.24	481,125.90	836,653.43	---
G37	90+29.53	42.93 'LT	---	---	---	---	905.28	481,125.94	836,647.61	---
G38	90+23.53	48.93 'LT	---	---	---	---	905.38	481,119.98	836,641.57	---
G39	90+23.53	42.93 'LT	---	---	---	---	---	481,119.94	836,647.57	R = 6'
G40	90+75.38	67.56 'LT	---	---	---	---	---	481,171.97	836,623.30	MATCH EXIST. PARKING LOT
G41	90+75.47	57.82 'LT	---	---	---	---	906.62	481,171.99	836,633.04	---
G42	90+61.52	57.82 'LT	---	---	---	---	906.24	481,158.04	836,632.94	---
G43	90+53.52	49.81 'LT	---	---	---	---	905.90	481,149.98	836,640.89	---
G44	90+61.52	49.82 'LT	---	---	---	---	---	481,157.98	836,640.94	R = 8'
G45	90+53.53	36.50 'LT	---	---	---	---	905.49	481,149.90	836,654.21	---
G46	90+80.58	36.50 'LT	---	---	---	---	---	481,176.95	836,654.40	BOS
G47	90+80.58	45.00 'LT	---	---	---	---	---	481,177.01	836,645.90	MATCH EXIST. SIDEWALK
G48	90+84.53	45.00 'LT	---	---	---	---	---	481,180.96	836,645.92	MATCH EXIST. SIDEWALK
G49	90+84.53	36.50 'LT	---	---	---	---	---	481,180.90	836,654.42	BOS
G50	91+89.71	36.50 'LT	9+65.16 S	37.91 'RT	---	---	---	481,286.08	836,655.16	BOS
G51	91+89.90	68.34 'LT	9+33.35 S	39.15 'RT	---	---	898.04	481,286.49	836,623.32	EDGE OF SIDEWALK; EDGE OF PAVEMENT
G52	91+89.93	72.44 'LT	9+29.25 S	39.30 'RT	---	---	898.12	481,286.54	836,619.22	EDGE OF SIDEWALK; EDGE OF PAVEMENT
G53	91+89.95	76.69 'LT	9+25.00 S	39.47 'RT	---	---	---	481,286.60	836,614.97	MATCH EXIST. PARKING LOT
G54	92+16.89	75.48 'LT	9+25.00 S	12.50 'RT	---	---	---	481,313.53	836,616.36	MATCH EXIST. PARKING LOT
G55	92+47.30	51.50 'LT	9+47.60 S	18.95 'LT	---	---	---	481,343.77	836,640.56	BOC
G56	92+56.65	44.75 'LT	9+53.92 S	28.59 'LT	---	---	898.32	481,353.07	836,647.38	EDGE OF ASPHALT
G57	92+71.09	44.75 'LT	9+53.28 S	43.01 'LT	---	---	898.91	481,367.51	836,647.48	EDGE OF ASPHALT
G58	93+06.54	44.75 'LT	---	---	---	---	900.54	481,402.96	836,647.72	EDGE OF ASPHALT
G59	93+14.79	36.50 'LT	---	---	---	---	---	481,411.15	836,656.03	BOS
G60	94+89.27	36.50 'LT	---	---	---	---	---	481,585.63	836,657.25	BOS
G61	95+00.05	47.28 'LT	---	---	---	---	904.57	481,596.48	836,646.54	---
G62	95+04.12	51.36 'LT	---	---	---	---	904.74	481,600.59	836,642.50	---
G63	95+14.73	55.75 'LT	---	---	---	---	905.10	481,611.22	836,638.18	---
G64	95+14.73	40.75 'LT	---	---	---	---	---	481,611.12	836,653.18	R = 15'
G65	95+41.57	55.75 'LT	---	---	---	---	905.92	481,638.06	836,638.37	---
G66	95+44.41	54.58 'LT	---	---	---	---	905.80	481,640.89	836,639.56	---
G67	95+41.57	51.75 'LT	---	---	---	---	---	481,638.04	836,642.36	R = 4'
G68	95+62.42	36.50 'LT	---	---	---	---	---	481,658.82	836,657.78	BOS
G69	92+45.40	74.21 'LT	9+25.00 S	16.03 'LT	---	---	---	481,342.02	836,617.84	MATCH EXIST. PARKING LOT
G70	92+48.86	74.05 'LT	9+25.00 S	19.50 'LT	---	---	---	481,345.49	836,618.02	MATCH EXIST. PARKING LOT
G71	92+49.46	66.90 'LT	9+32.12 S	20.42 'LT	---	---	---	481,346.04	836,625.18	MATCH EXIST. PARKING LOT
G72	92+62.30	66.81 'LT	9+31.63 S	33.25 'LT	---	---	---	481,358.88	836,625.35	MATCH EXIST. SIDEWALK
G73	93+57.27	66.31 'LT	---	---	---	---	---	481,453.84	836,626.52	MATCH EXIST. SIDEWALK
G74	93+57.37	72.00 'LT	---	---	---	---	---	481,453.98	836,620.83	MATCH EXIST. SIDEWALK
G75	93+65.97	71.87 'LT	---	---	---	---	---	481,462.58	836,621.02	MATCH EXIST. SIDEWALK
G76	93+65.89	68.87 'LT	---	---	---	---	---	481,462.48	836,624.02	MATCH EXIST. SIDEWALK
G77	93+84.08	68.78 'LT	---	---	---	---	---	481,480.66	836,624.24	MATCH EXIST. SIDEWALK
G78	93+90.83	70.17 'LT	---	---	---	---	---	481,487.43	836,622.89	MATCH EXIST. SIDEWALK
G79	93+90.79	71.74 'LT	---	---	---	---	---	481,487.40	836,621.32	MATCH EXIST. SIDEWALK

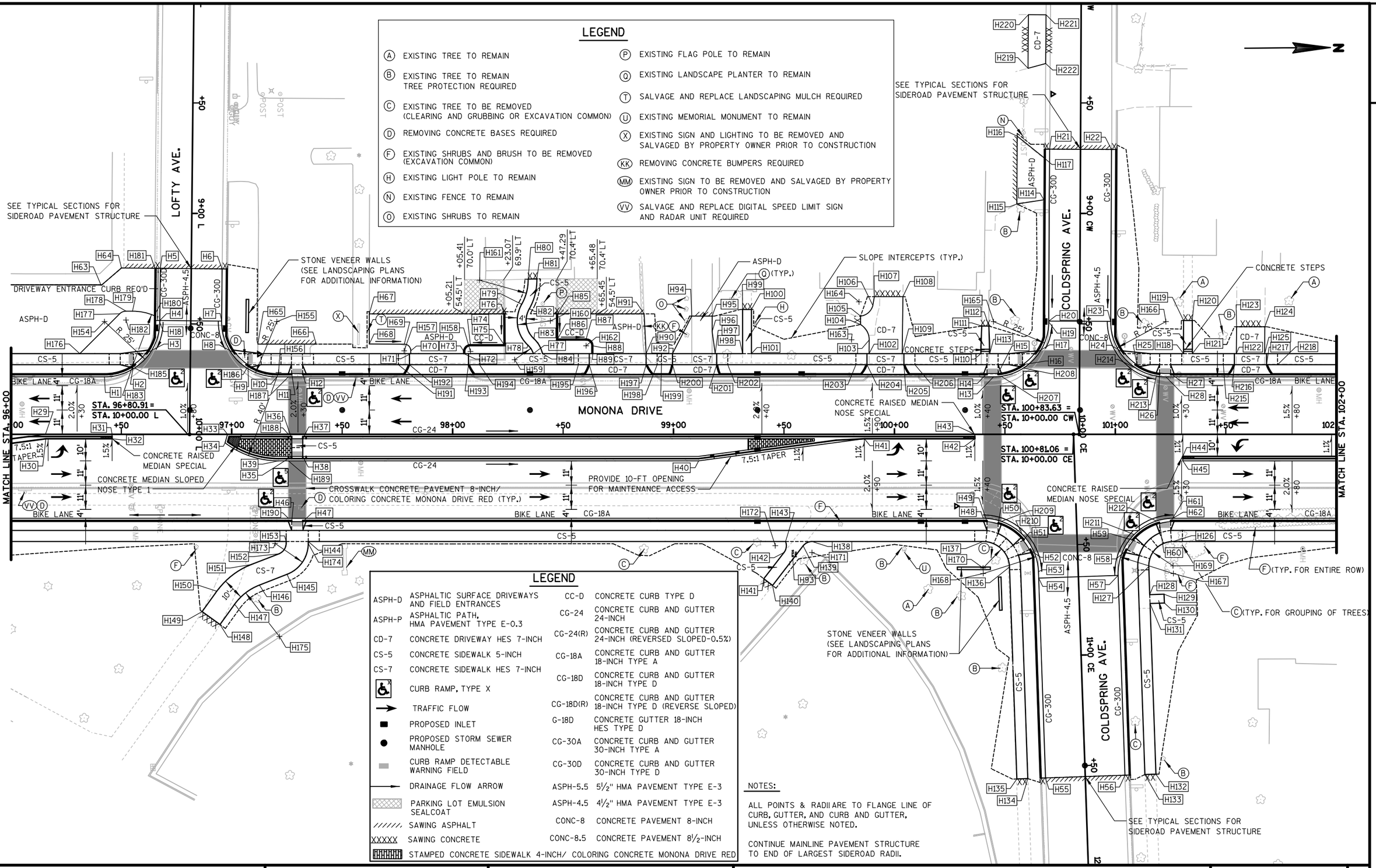
POINT NO.	MAINLINE STATION	MAINLINE OFFSET	SPRINGHAVEN AVENUE STATION	SPRINGHAVEN AVENUE OFFSET	HIGHSCHOOL STATION	HIGHSCHOOL OFFSET	ELEV.	NORTHING	EASTING	REMARKS
G80	94+11.40	72.07 'LT	---	---	---	---	---	481,508.01	836,621.13	MATCH EXIST. SIDEWALK
G81	94+11.38	69.61 'LT	---	---	---	---	---	481,507.97	836,623.60	MATCH EXIST. SIDEWALK
G82	94+51.73	69.26 'LT	---	---	---	---	---	481,548.32	836,624.23	MATCH EXIST. SIDEWALK
G83	94+56.83	68.94 'LT	---	---	---	---	---	481,553.41	836,624.59	MATCH EXIST. SIDEWALK
G84	95+04.51	68.52 'LT	---	---	---	---	---	481,601.10	836,625.34	MATCH EXIST. SIDEWALK
G85	95+04.72	69.65 'LT	---	---	---	---	---	481,601.31	836,624.21	MATCH EXIST. SIDEWALK
G86	95+06.76	69.58 'LT	---	---	---	---	---	481,603.35	836,624.30	MATCH EXIST. SIDEWALK
G87	95+56.59	67.75 'LT	---	---	---	---	---	481,653.24	836,626.48	MATCH EXIST. SIDEWALK
G88	90+03.86	48.11 'RT	---	---	---	---	896.01	481,099.64	836,738.46	---
G89	90+16.09	48.02 'RT	---	---	---	---	896.16	481,111.87	836,738.46	---
G90	90+22.18	49.37 'RT	---	---	---	---	896.24	481,117.95	836,739.85	---
G91	90+29.67	52.91 'RT	---	---	---	---	896.34	481,125.42	836,743.45	---
G92	90+32.56	52.74 'RT	---	---	---	---	896.38	481,128.31	836,743.29	---
G93	90+33.96	50.20 'RT	---	---	---	---	896.17	481,129.72	836,740.77	---
G94	90+30.96	50.20 'RT	---	---	---	---	---	481,126.72	836,740.75	R = 3'
G95	90+33.96	40.50 'RT	---	---	---	---	895.71	481,129.79	836,731.07	---
G96	90+50.00	40.50 'RT	---	---	---	---	895.89	481,145.83	836,731.18	---
G97	90+87.18	40.50 'RT	---	---	---	---	896.33	481,183.01	836,731.44	---
G98	90+87.18	52.60 'RT	---	---	---	---	896.51	481,182.93	836,743.54	---
G99	90+90.23	55.55 'RT	---	---	---	---	896.58	481,185.95	836,746.51	---
G100	90+93.18	52.51 'RT	---	---	---	---	896.44	481,188.93	836,743.49	---
G101	90+90.18	52.55 'RT	---	---	---	---	---	481,185.93	836,743.51	R = 3'
G102	90+92.93	36.50 'RT	---	---	---	---	895.97	481,188.78	836,727.48	---
G103	91+17.93	36.50 'RT	---	---	---	---	896.35	481,213.79	836,727.66	---
G104	91+18.16	51.29 'RT	---	---	---	---	896.66	481,213.92	836,742.45	---
G105	91+21.70	54.73 'RT	---	---	---	---	896.78	481,217.43	836,745.92	---
G106	91+21.66	51.23 'RT	---	---	---	---	---	481,217.42	836,742.42	R = 3.5'
G107	91+35.38	54.60 'RT	---	---	---	---	896.98	481,231.11	836,745.88	---
G108	91+35.64	63.00 'RT	---	---	---	---	---	481,231.31	836,754.28	MATCH EXIST. CONCRETE CURB
G109	91+83.44	36.50 'RT	---	---	---	---	897.50	481,279.30	836,728.11	---
G110	91+83.45	36.93 'RT	---	---	---	---	897.52	481,279.30	836,728.54	---
G111	91+79.24	41.00 'RT	---	---	---	---	897.73	481,275.07	836,732.58	---
G112	91+79.45	37.01 'RT	---	---	---	---	---	481,275.30	836,728.59	R = 4'
G113	91+43.53	41.00 'RT	---	---	---	---	897.42	481,239.35	836,732.33	---
G114	91+44.26	62.00 'RT	---	---	---	---	---	481,239.94	836,753.34	MATCH EXIST. 18-INCH C&G
G115	92+11.45	36.50 'RT	---	---	---	---	898.06	481,307.30	836,728.31	---
G116	92+11.75	52.08 'RT	---	---	---	---	898.55	481,307.50	836,743.89	---
G117	92+15.49	55.56 'RT	---	---	---	---	898.73	481,311.21	836,747.39	---
G118	92+19.15	51.71 'RT	---	---	---	---	898.68	481,314.89	836,743.58	---
G119	92+15.45	51.86 'RT	---	---	---	---	---	481,311.20	836,743.69	R = 3.7'
G120	92+19.15	41.00 'RT	---	---	---	---	898.54	481,314.97	836,732.86	---
G121	92+50.00	41.00 'RT	---	---	---	---	899.21	481,345.82	836,733.08	---
G122	93+08.15	41.00 'RT	---	---	---	---	900.25	481,403.97	836,733.48	---
G123	93+08.15	51.50 'RT	---	---	---	---	900.42	481,403.89	836,743.98	---
G124	93+12.65	56.00 'RT	---	---	---	---	900.54	481,408.36	836,748.51	---
G125	93+13.05	56.00 'RT	---	---	---	---	900.54	481,408.77	836,748.52	---
G126	93+17.55	51.47 'RT	---	---	---	---	900.43	481,413.30	836,744.02	---
G127	93+17.47	38.53 'RT	---	---	---	---	900.24	481,413.31	836,731.08	---
G128	93+41.48	40.13 'RT	---	---	---	---	900.78	481,437.31	836,732.85	---
G129	93+41.60	59.38 'RT	---	---	---	---	901.12	481,437.29	836,752.10	---
G130	93+36.11	62.00 'RT	---	---	---	---	---	481,431.78	836,754.68	MATCH EXIST. PARKING LOT
G131	93+36.06	69.49 'RT	---	---	---	---	---	481,431.68	836,762.17	MATCH EXIST. PARKING LOT
G132	93+47.68	65.34 'RT	---	---	---	---	901.29	481,443.33	836,758.10	---
G133	93+47.60	59.34 'RT	---	---	---	---	---	481,443.29	836,752.10	R = 6'
G134	93+48.98	40.63 'RT	---	---	---	---	---	481,444.81	836,733.40	BOS
G135	93+49.13	63.82 'RT	---	---	---	---	---	481,444.79	836,756.59	BOC; CURB RAMP OPENING
G136	93+51.19	65.30 'RT	---	---	---	---	901.36	481,446.84	836,758.08	---
G137	93+57.11	59.22 'RT	---	---	---	---	901.57	481,452.81	836,752.05	---
G138	93+51.12	59.30 'RT	---	---	---	---	---	481,446.81	836,752.08	R = 6'
G139	93+57.00	50.22 'RT	---	---	---	---	901.84	481,452.76	836,743.05	---
G140	94+18.00	49.45 'RT	---	---	---	---	902.45	481,513.76	836,742.70	---
G141	93+61.24	69.17 'RT	---	---	---	---	---	481,456.86	836,762.02	MATCH EXIST. PARKING LOT
G142	93+61.13	60.17 'RT	---	---	---	---	---	481,456.81	836,753.02	MATCH EXIST. PARKING LOT
G143	94+16.12	59.47 'RT	---	---	---	---	---	481,511.81	836,752.71	MATCH EXIST. PARKING LOT
G144	94+16.47	84.47 'RT	---	---	---	---	---	481,511.98	836,777.71	MATCH EXIST. PARKING LOT
G145	94+18.52	88.44 'RT	---	---	---	---	902.16	481,514.00	836,781.70	---
G146	94+15.52	88.48 'RT	---	---	---	---	902.09	481,511.01	836,781.71	---
G147	94+09.60	94.56 'RT	---	---	---	---	---	481,505.05	836,787.75	MATCH EXIST. 18-INCH C&G
G148	94+15.60	94.48 'RT	---	---	---	---	---	481,511.05	836,787.71	R = 6'
G149	94+05.60	94.60 'RT	---	---	---	---	---	481,501.05	836,787.77	MATCH EXIST. PARKING LOT
G150	94+05.48	84.61 'RT	---	---	---	---	---	481,500.99	836,777.77	MATCH EXIST. PARKING LOT
G151	93+57.61	95.22 'RT	---	---	---	---	---	481,453.05	836,788.05	MATCH EXIST. 18-INCH C&G
G152	93+61.61	95.17 'RT	---	---	---	---	---	481,457.05	836,788.03	MATCH EXIST. PARKING LOT
G153	93+61.48	85.17 'RT	---	---	---	---	---	481,456.99	836,778.02	MATCH EXIST. PARKING LOT
G154	93+35.91	85.49 'RT	---	---	---	---	---	481,431.42	836,778.17	MATCH EXIST. PARKING LOT
G155	93+35.88	95.34 'RT	---	---	---	---	---	481,431.32	836,788.02	MATCH EXIST. PARKING LOT
G156	93+39.88	95.35 'RT	---	---	---	---	---	481,435.32	836,788.06	MATCH EXIST. 18-INCH C&G
G157	93+41.38	95.36 'RT	---	---	---	---	---	481,436.82	836,788.07	BOC; CURB RAMP OPENING
G158	93+45.81	89.37 'RT	---	---	---	---	901.35	481,441.29	836,782.11	---

POINT NO.	MAINLINE		SPRINGHAVEN AVENUE		HIGHSCHOOL		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
G159	93+45.88	95.37 'RT	---	---	---	---	---	481,441.32	836,788.11	R = 6'
G160	93+51.53	89.30 'RT	---	---	---	---	901.38	481,447.01	836,782.08	---
G161	93+47.39	90.85 'RT	---	---	---	---	---	481,442.87	836,783.60	BOC; CURB RAMP OPENING
G162	93+51.61	95.29 'RT	---	---	---	---	---	481,447.05	836,788.08	R = 6'
G163	93+84.08	70.13 'LT	---	---	---	---	---	481,480.68	836,622.89	MATCH EXIST. SIDEWALK
G164	90+16.19	62.02 'RT	---	---	---	---	---	481,111.87	836,752.46	R = 14'
G165	93+12.65	51.50 'RT	---	---	---	---	---	481,408.39	836,744.02	R = 4.5'
G166	93+13.05	51.50 'RT	---	---	---	---	---	481,408.80	836,744.01	R = 4.5'
G167	91+92.27	51.00 'LT	9+50.56 S	36.00 'RT	---	---	---	481,288.74	836,640.68	R = 25'
G168	92+70.93	51.00 'LT	9+47.04 S	42.57 'LT	---	---	---	481,367.39	836,641.23	R = 25'
G169	90+54.53	546.00 'LT	---	---	---	---	---	481,154.46	836,144.73	R = 520'
G170	90+45.61	546.00 'RT	---	---	---	---	---	481,137.92	837,236.64	R = 520'
G171	92+69.97	546.00 'RT	---	---	---	---	---	481,362.27	837,238.20	R = 520'
G172	94+84.63	482.00 'LT	---	---	---	---	---	481,584.10	836,211.73	R = 520'
G173	91+75.30	72.84 'LT	---	---	---	---	---	481,271.92	836,618.72	MATCH EXIST. SIDEWALK
G174	91+75.19	68.74 'LT	---	---	---	---	---	481,271.78	836,622.82	MATCH EXIST. SIDEWALK
G175	90+22.69	32.45 'LT	---	---	---	---	895.34	481,119.03	836,658.04	FOS
G176	90+27.68	32.19 'LT	---	---	---	---	895.13	481,124.02	836,658.34	FOS AT DRIVEWAY
G177	90+55.39	31.50 'LT	---	---	---	---	895.41	481,151.72	836,659.22	FOS AT DRIVEWAY
G178	90+60.39	31.50 'LT	---	---	---	---	895.73	481,156.72	836,659.26	FOS
G179	92+05.84	30.00 'LT	---	---	---	---	---	481,302.16	836,661.77	CROSSWALK LAYOUT POINT
G180	92+57.36	30.00 'LT	---	---	---	---	---	481,353.68	836,662.13	CROSSWALK LAYOUT POINT
G181	92+67.31	26.26 'LT	---	---	---	---	---	481,363.60	836,665.94	CROSSWALK LAYOUT POINT
G182	92+67.31	26.00 'RT	---	---	---	---	---	481,363.24	836,718.20	CROSSWALK LAYOUT POINT
G183	95+67.18	52.00 'RT	---	---	---	---	---	481,662.86	836,746.31	BOS
G184	95+73.68	52.00 'RT	---	---	---	---	---	481,669.36	836,746.36	BOS
G185	95+78.34	51.17 'RT	---	---	---	---	---	481,674.03	836,745.57	BOS
G186	95+81.01	51.17 'RT	---	---	---	---	---	481,676.70	836,745.59	EDGE OF SIDEWALK
G187	94+47.99	47.23 'RT	---	---	---	---	902.97	481,543.76	836,740.69	---
G188	97+48.37	37.25 'RT	---	---	---	---	---	481,844.16	836,733.02	R = 300.5'
G189	94+55.05	102.97 'RT	---	---	10+54.44 HS	12.57'RT	902.23	481,550.44	836,796.48	---
G190	94+51.15	103.84 'RT	---	---	10+55.18 HS	16.50'RT	---	481,546.53	836,797.32	R = 4'
G191	94+51.28	107.84 'RT	---	---	10+59.18 HS	16.50'RT	902.15	481,546.63	836,801.32	---
G192	94+37.79	108.28 'RT	---	---	10+59.18 HS	30.00'RT	902.29	481,533.13	836,801.67	---
G193	94+43.63	287.19 'RT	---	---	12+38.18 HS	30.00'RT	898.61	481,537.73	836,980.61	---
G194	94+61.62	286.60 'RT	---	---	12+38.18 HS	12.00'RT	898.25	481,555.73	836,980.15	---
G195	94+61.90	295.06 'RT	---	---	12+46.65 HS	12.00'RT	898.18	481,555.94	836,988.61	---
G196	94+11.93	296.70 'RT	---	---	12+46.65 HS	62.00'RT	---	481,505.96	836,989.90	R = 50'
G197	94+61.84	299.57 'RT	---	---	12+51.15 HS	12.20'RT	898.14	481,555.86	836,993.12	---
G198	94+60.58	321.42 'RT	---	---	12+72.95 HS	14.17'RT	898.01	481,554.44	837,015.11	---
G199	94+61.62	382.04 'RT	---	---	13+33.57 HS	15.12'RT	---	481,555.06	837,075.58	MATCH EXIST. 18-INCH C&G
G200	94+65.62	381.97 'RT	---	---	13+33.63 HS	11.12'RT	---	481,559.06	837,075.54	MATCH EXIST. PAVEMENT
G201	94+64.59	321.50 'RT	---	---	12+73.16 HS	10.18'RT	---	481,558.45	837,015.07	MATCH EXIST. PAVEMENT
G202	94+65.91	298.47 'RT	---	---	12+50.19 HS	8.10'RT	---	481,559.93	836,992.05	MATCH EXIST. PAVEMENT
G203	95+21.67	192.90 'RT	---	---	11+46.49 HS	51.07'LT	---	481,616.42	836,886.87	MATCH EXIST. PAVEMENT
G204	95+03.68	183.15 'RT	---	---	11+36.16 HS	33.42'LT	---	481,598.51	836,876.99	MATCH EXIST. PAVEMENT
G205	95+14.33	163.51 'RT	---	---	11+16.88 HS	44.70'LT	---	481,609.29	836,857.43	MATCH EXIST. PAVEMENT
G206	95+10.82	161.60 'RT	---	---	11+14.86 HS	41.25'LT	---	481,605.79	836,855.50	MATCH EXIST. 18-INCH C&G
G207	94+98.26	184.76 'RT	---	---	11+37.59 HS	27.94'LT	899.45	481,593.07	836,878.57	---
G208	95+09.29	190.74 'RT	---	---	11+43.93 HS	38.77'LT	899.36	481,604.06	836,884.62	---
G209	95+07.38	194.25 'RT	---	---	11+47.38 HS	36.75'LT	---	481,602.13	836,888.12	R = 4'
G210	94+94.89	226.47 'RT	---	---	11+79.18 HS	23.21'LT	899.17	481,589.41	836,920.26	---
G211	94+89.58	223.67 'RT	---	---	11+76.20 HS	18.00'LT	---	481,584.12	836,917.42	R = 6'
G212	94+83.59	223.87 'RT	---	---	11+76.20 HS	12.00'LT	899.43	481,578.13	836,917.57	---
G213	94+84.63	210.03 'RT	---	---	11+62.41 HS	13.50'LT	900.28	481,579.27	836,903.74	EDGE OF SIDEWALK AT BOC
G214	94+86.63	209.97 'RT	---	---	11+62.41 HS	15.50'LT	900.24	481,581.27	836,903.69	EDGE OF SIDEWALK
G215	94+91.50	212.54 'RT	---	---	11+65.14 HS	20.28'LT	900.00	481,586.12	836,906.30	EDGE OF SIDEWALK
G216	94+95.41	205.15 'RT	---	---	11+57.88 HS	24.43'LT	900.03	481,590.08	836,898.94	EDGE OF SIDEWALK
G217	95+02.25	197.85 'RT	---	---	11+50.81 HS	31.50'LT	---	481,596.97	836,891.69	R = 6'; EDGE OF SIDEWALK
G218	94+92.25	198.18 'RT	---	---	11+50.81 HS	21.50'LT	900.41	481,586.97	836,891.95	EDGE OF SIDEWALK
G219	94+91.94	188.54 'RT	---	---	11+41.16 HS	21.50'LT	900.68	481,586.72	836,882.30	EDGE OF SIDEWALK
G220	95+11.93	187.88 'RT	---	---	11+41.16 HS	41.50'LT	---	481,606.72	836,881.79	R = 20'; EDGE OF SIDEWALK
G221	94+94.33	178.38 'RT	---	---	11+31.09 HS	24.22'LT	900.95	481,589.19	836,872.16	EDGE OF SIDEWALK
G222	95+05.49	157.98 'RT	---	---	11+11.07 HS	36.04'LT	901.49	481,600.49	836,851.84	EDGE OF SIDEWALK
G223	94+53.07	128.79 'RT	---	---	10+80.18 HS	15.40'RT	---	481,548.27	836,822.29	R = 60'; EDGE OF SIDEWALK
G224	95+13.06	129.23 'RT	---	---	10+82.58 HS	44.56'LT	902.10	481,608.26	836,823.14	EDGE OF SIDEWALK
G225	95+13.29	98.10 'RT	---	---	10+51.47 HS	45.80'LT	903.12	481,608.71	836,792.01	EDGE OF SIDEWALK
G226	95+00.29	98.00 'RT	---	---	10+50.95 HS	32.81'LT	---	481,595.71	836,791.82	R = 13'; EDGE OF SIDEWALK
G227	95+00.29	85.00 'RT	---	---	10+37.95 HS	33.24'LT	903.41	481,595.80	836,778.82	EDGE OF SIDEWALK
G228	94+88.81	85.00 'RT	---	---	10+37.58 HS	21.76'LT	903.24	481,584.32	836,778.74	EDGE OF SIDEWALK

POINT NO.	MAINLINE		SPRINGHAVEN AVENUE		HIGHSCHOOL		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
G229	94+88.81	93.00 'RT	---	---	10+45.57 HS	21.50'LT	903.24	481,584.26	836,786.74	EDGE OF SIDEWALK
G230	94+85.58	177.74 'RT	---	---	11+30.16 HS	15.50'LT	901.04	481,580.44	836,871.46	EDGE OF SIDEWALK
G231	94+83.58	177.81 'RT	---	---	11+30.16 HS	13.50'LT	901.08	481,578.44	836,871.51	EDGE OF SIDEWALK AT BOC
G232	94+81.07	146.89 'RT	---	---	10+99.18 HS	12.00'LT	901.34	481,576.15	836,840.58	---
G233	94+85.07	146.76 'RT	---	---	10+99.18 HS	16.00'LT	---	481,580.15	836,840.47	R = 4'
G234	94+84.94	142.76 'RT	---	---	10+95.18 HS	16.00'LT	901.51	481,580.04	836,836.47	---
G235	94+98.93	142.30 'RT	---	---	10+95.18 HS	30.00'LT	901.79	481,594.04	836,836.11	---
G236	94+97.46	97.33 'RT	---	---	10+50.18 HS	30.00'LT	902.80	481,592.88	836,791.13	---
G237	94+83.47	97.78 'RT	---	---	10+50.18 HS	16.00'LT	902.52	481,578.89	836,791.49	---
G238	94+83.34	93.79 'RT	---	---	10+46.18 HS	16.00'LT	---	481,578.78	836,787.49	R = 4'
G239	94+79.34	93.92 'RT	---	---	10+46.18 HS	12.00'LT	902.54	481,574.79	836,787.59	---
G240	94+79.02	84.13 'RT	---	---	10+36.39 HS	12.00'LT	902.72	481,574.53	836,777.81	---
G241	94+83.02	84.00 'RT	---	---	10+36.39 HS	16.00'LT	---	481,578.53	836,777.70	R = 4'
G242	94+83.02	80.00 'RT	---	---	10+32.39 HS	16.13'LT	902.90	481,578.56	836,773.70	---
G243	95+31.85	80.00 'RT	---	---	10+33.99 HS	64.94'LT	902.16	481,627.40	836,774.04	---
G244	95+31.85	86.00 'RT	---	---	10+39.98 HS	64.74'LT	---	481,627.35	836,780.04	R = 6'
G245	95+37.85	85.98 'RT	---	---	10+40.16 HS	70.74'LT	901.89	481,633.35	836,780.06	---
G246	95+37.86	88.01 'RT	---	---	10+42.19 HS	70.68'LT	901.84	481,633.35	836,782.09	---
G247	95+33.86	88.02 'RT	---	---	10+42.07 HS	66.68'LT	---	481,629.35	836,782.08	R = 4'
G248	95+33.88	92.02 'RT	---	---	10+46.07 HS	66.58'LT	901.66	481,629.34	836,786.08	---
G249	95+19.89	92.10 'RT	---	---	10+45.69 HS	52.59'LT	901.50	481,615.35	836,786.06	---
G250	95+19.88	101.10 'RT	---	---	10+54.68 HS	52.28'LT	---	481,615.27	836,795.06	MATCH EXIST. 18-INCH C&G
G251	95+79.62	100.74 'RT	---	---	10+56.31 HS	111.90'LT	---	481,674.91	836,795.15	MATCH EXIST. 18-INCH C&G
G252	95+79.78	82.78 'RT	---	---	10+38.36 HS	112.66'LT	---	481,675.22	836,777.19	MATCH EXIST. 18-INCH C&G
G253	95+68.41	82.94 'RT	---	---	10+38.14 HS	101.30'LT	902.10	481,663.84	836,777.26	---
G254	95+68.29	74.94 'RT	---	---	10+30.14 HS	101.45'LT	---	481,663.79	836,769.26	R = 8'
G255	95+60.64	77.27 'RT	---	---	10+32.22 HS	93.72'LT	902.24	481,656.12	836,771.53	---
G256	95+31.85	56.00 'RT	---	---	10+10.00 HS	65.72'LT	902.83	481,627.56	836,750.04	---
G257	94+80.22	56.00 'RT	---	---	10+08.31 HS	14.12'LT	903.42	481,575.93	836,749.68	---
G258	94+80.22	52.00 'RT	---	---	10+04.32 HS	14.25'LT	---	481,575.96	836,745.68	R = 4'
G259	94+76.23	52.22 'RT	---	---	10+04.40 HS	10.25'LT	903.50	481,571.96	836,745.87	---
G260	95+81.01	81.37 'RT	---	---	10+37.00 HS	113.94'LT	---	481,676.46	836,775.80	MATCH EXIST. SIDEWALK
G261	95+86.01	81.37 'RT	---	---	10+37.17 HS	118.94'LT	---	481,681.46	836,775.84	MATCH EXIST. SIDEWALK
G262	95+86.01	48.50 'RT	---	---	10+04.31 HS	120.05'LT	---	481,681.72	836,742.96	BOS
G263	95+10.92	196.12 'RT	---	---	11+49.36 HS	40.22'LT	899.31	481,605.65	836,890.02	---
G264	94+76.05	48.42 'RT	---	---	10+00.60 HS	10.20'LT	903.55	481,571.81	836,742.07	---
G265	94+38.30	124.09 'RT	---	---	10+75.00 HS	30.00'RT	901.94	481,533.54	836,817.48	---
G266	94+68.29	123.11 'RT	---	---	10+75.00 HS	0.00'RT	901.64	481,563.53	836,816.71	---
G267	94+39.12	149.08 'RT	---	---	11+00.00 HS	30.00'RT	901.53	481,534.18	836,842.47	---
G268	94+69.10	148.10 'RT	---	---	11+00.00 HS	0.00'RT	901.08	481,564.17	836,841.70	---
G269	94+39.94	174.10 'RT	---	---	11+25.00 HS	30.00'RT	900.97	481,534.82	836,867.47	---
G270	94+69.92	173.09 'RT	---	---	11+25.00 HS	0.00'RT	900.52	481,564.81	836,866.70	---
G271	94+40.75	199.05 'RT	---	---	11+50.00 HS	30.00'RT	900.56	481,535.47	836,892.46	---
G272	94+70.74	198.07 'RT	---	---	11+50.00 HS	0.00'RT	899.96	481,565.46	836,891.69	---
G273	94+41.57	224.04 'RT	---	---	11+75.00 HS	30.00'RT	900.00	481,536.11	836,917.45	---
G274	94+71.55	223.06 'RT	---	---	11+75.00 HS	0.00'RT	899.40	481,566.10	836,916.68	---
G275	94+42.39	249.03 'RT	---	---	12+00.00 HS	30.00'RT	899.44	481,536.75	836,942.44	---
G276	94+72.37	248.05 'RT	---	---	12+00.00 HS	0.00'RT	898.84	481,566.74	836,941.67	---
G277	94+82.08	177.86 'RT	---	---	11+30.16 HS	12.00'LT	900.57	481,576.94	836,871.55	---
G278	94+82.73	197.68 'RT	---	---	11+50.00 HS	12.00'LT	900.08	481,577.45	836,891.38	---
G279	94+83.14	210.08 'RT	---	---	11+62.41 HS	12.00'LT	899.77	481,577.77	836,903.78	---

LEGEND

- (A) EXISTING TREE TO REMAIN
- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (D) REMOVING CONCRETE BASES REQUIRED
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (H) EXISTING LIGHT POLE TO REMAIN
- (N) EXISTING FENCE TO REMAIN
- (O) EXISTING SHRUBS TO REMAIN
- (P) EXISTING FLAG POLE TO REMAIN
- (Q) EXISTING LANDSCAPE PLANTER TO REMAIN
- (T) SALVAGE AND REPLACE LANDSCAPING MULCH REQUIRED
- (U) EXISTING MEMORIAL MONUMENT TO REMAIN
- (X) EXISTING SIGN AND LIGHTING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (KK) REMOVING CONCRETE BUMPERS REQUIRED
- (MM) EXISTING SIGN TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (VV) SALVAGE AND REPLACE DIGITAL SPEED LIMIT SIGN AND RADAR UNIT REQUIRED



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

NOTES:

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

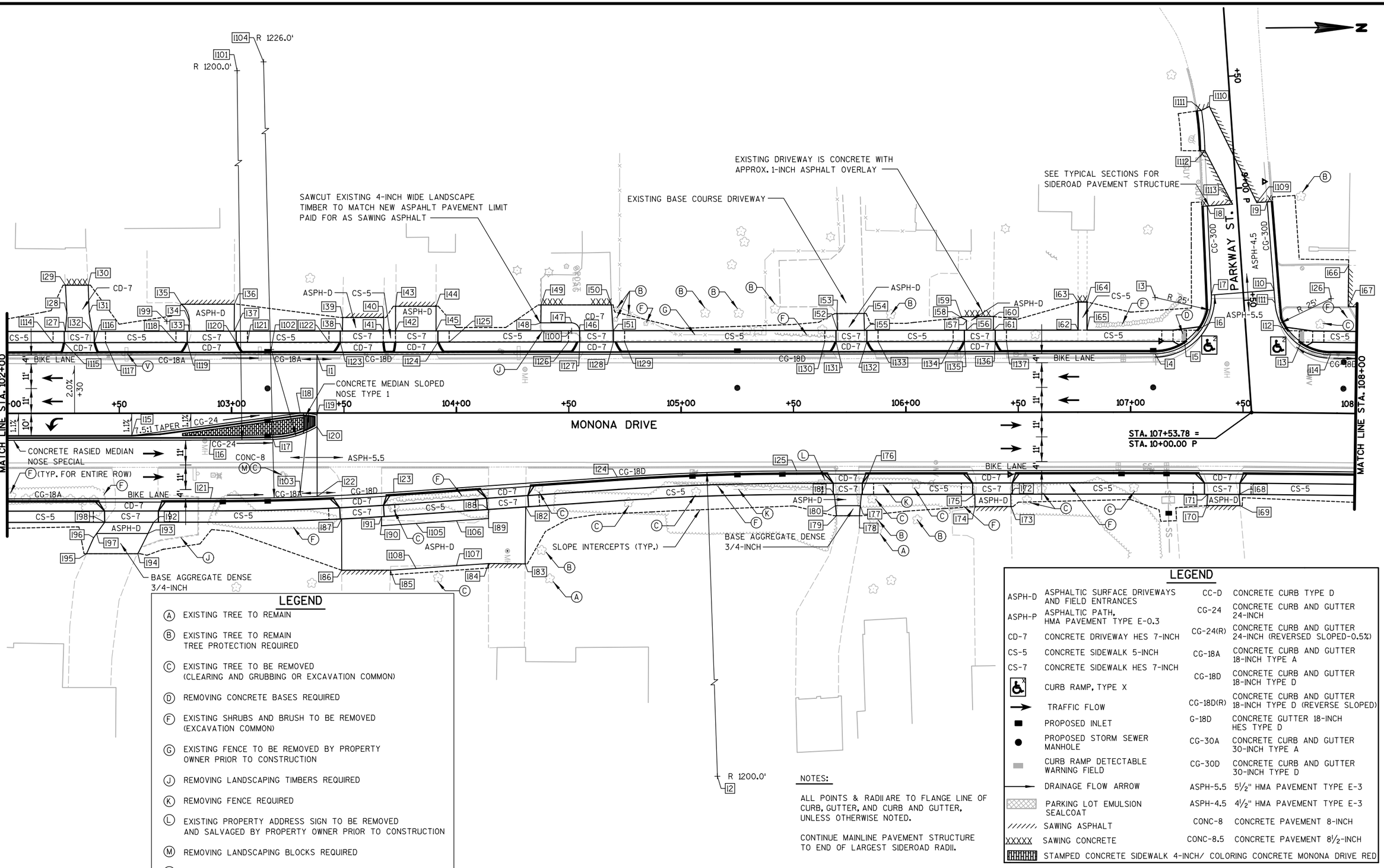
CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 65	E

POINT NO.	MAINLINE		LOFTY AVENUE		COLDSPRING AVENUE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
H1	96+42.42	26.00'LT	---	---	---	---	905.08	481,738.73	836,668.92	---
H2	96+55.54	31.50'LT	9+68.76 L	25.69'RT	---	---	---	481,751.89	836,663.52	BOC; CURB RAMP OPENING
H3	96+60.92	36.50'LT	9+63.70 L	20.36'RT	---	---	---	481,757.31	836,658.57	BOC; CURB RAMP OPENING
H4	96+67.42	51.53'LT	9+48.61 L	14.00'RT	---	---	905.43	481,763.94	836,643.59	---
H5	96+67.67	75.14'LT	9+25.00 L	14.00'RT	---	---	---	481,764.37	836,619.99	MATCH EXIST. 30-INCH C&G
H6	96+95.67	74.86'LT	9+25.00 L	14.00'LT	---	---	---	481,792.37	836,620.49	MATCH EXIST. 30-INCH C&G
H7	96+95.43	51.25'LT	9+48.61 L	14.00'LT	---	---	905.49	481,791.94	836,644.09	---
H8	97+01.94	36.50'LT	9+63.29 L	20.65'LT	---	---	---	481,798.33	836,658.90	BOC; CURB RAMP OPENING
H9	97+07.31	31.50'LT	9+68.24 L	26.08'LT	---	---	---	481,803.66	836,663.94	BOC; CURB RAMP OPENING
H10	97+20.43	26.00'LT	---	---	---	---	904.99	481,816.73	836,669.55	---
H11	97+27.13	27.50'LT	---	---	---	---	---	481,823.45	836,668.10	BOC; CURB RAMP OPENING
H12	97+32.13	27.50'LT	---	---	---	---	---	481,828.45	836,668.14	BOC; CURB RAMP OPENING
H13	100+44.87	26.00'LT	---	---	---	---	897.37	482,141.17	836,672.15	---
H14	100+41.90	27.50'LT	---	---	---	---	---	482,138.20	836,670.63	BOC; CURB RAMP OPENING
H15	100+46.90	27.59'LT	---	---	---	---	---	482,143.20	836,670.58	BOC; CURB RAMP OPENING
H16	100+57.99	31.50'LT	---	---	9+68.62 CW	25.79'RT	---	482,154.33	836,666.76	BOC; CURB RAMP OPENING
H17	100+63.37	36.50'LT	---	---	9+63.60 CW	20.44'RT	---	482,159.75	836,661.80	BOC; CURB RAMP OPENING
H18	96+67.42	50.75'LT	949.39 L	14.00'RT	---	---	905.42	481,763.93	836,644.37	---
H19	100+69.87	50.88'LT	---	---	9+49.18 CW	14.00'RT	896.37	482,166.37	836,647.47	---
H20	100+69.88	51.25'LT	---	---	9+48.82 CW	14.00'RT	896.37	482,166.37	836,647.10	---
H21	100+70.24	129.06'LT	---	---	8+71.00 CW	14.00'RT	---	482,167.36	836,569.29	MATCH EXIST. 30-INCH C&G
H22	100+98.24	128.93'LT	---	---	8+71.00 CW	14.00'LT	---	482,195.36	836,569.65	MATCH EXIST. 30-INCH C&G
H23	100+97.88	51.12'LT	---	---	9+48.82 CW	14.00'LT	895.34	482,194.37	836,647.46	---
H24	101+04.38	36.50'LT	---	---	9+63.40 CW	20.58'LT	---	482,200.76	836,662.13	BOC; CURB RAMP OPENING
H25	101+09.76	31.50'LT	---	---	9+68.38 CW	25.98'LT	---	482,206.10	836,667.17	BOC; CURB RAMP OPENING
H26	101+20.04	27.67'LT	---	---	---	---	---	482,216.34	836,671.08	BOC; CURB RAMP OPENING
H27	101+25.04	27.50'LT	---	---	---	---	---	482,221.34	836,671.30	BOC; CURB RAMP OPENING
H28	101+22.87	26.00'LT	---	---	---	---	893.70	482,219.17	836,672.78	---
H29	96+15.69	0.00'RT	---	---	---	---	905.41	481,711.79	836,694.70	---
H30	96+15.82	2.00'RT	---	---	---	---	905.45	481,711.91	836,696.70	---
H31	96+45.82	0.00'RT	---	---	---	---	905.55	481,741.92	836,694.95	---
H32	96+45.82	2.00'RT	---	---	---	---	905.58	481,741.90	836,696.95	---
H33	96+98.09	0.00'RT	---	---	---	---	905.55	481,794.19	836,695.37	---
H34	96+96.96	3.82'RT	---	---	---	---	905.61	481,793.02	836,699.18	---
H35	97+27.13	10.00'RT	---	---	---	---	---	481,823.15	836,705.60	BOC; CURB RAMP OPENING
H36	97+27.13	2.00'RT	---	---	---	---	---	481,823.21	836,697.60	BOC; CURB RAMP OPENING
H37	97+32.13	2.00'RT	---	---	---	---	---	481,828.21	836,697.64	BOC; CURB RAMP OPENING
H38	97+32.13	10.00'RT	---	---	---	---	---	481,828.15	836,705.64	BOC; CURB RAMP OPENING
H39	97+21.20	12.00'RT	---	---	---	---	905.61	481,817.20	836,707.55	---
H40	99+11.40	12.00'RT	---	---	---	---	902.46	482,007.39	836,709.08	---
H41	99+86.40	2.00'RT	---	---	---	---	899.97	482,082.47	836,699.68	---
H42	100+36.40	2.00'RT	---	---	---	---	898.03	482,132.47	836,700.08	---
H43	100+36.40	0.00'RT	---	---	---	---	898.01	482,132.48	836,698.08	---
H44	101+30.54	10.00'RT	---	---	---	---	893.66	482,226.54	836,708.84	---
H45	101+30.54	12.00'RT	---	---	---	---	893.68	482,226.52	836,710.84	---
H46	97+27.13	39.50'RT	---	---	---	---	---	481,822.91	836,735.10	BOC; CURB RAMP OPENING
H47	97+32.13	39.50'RT	---	---	---	---	---	481,827.91	836,735.14	BOC; CURB RAMP OPENING
H48	100+40.20	38.00'RT	---	---	---	---	897.59	482,135.98	836,736.11	---
H49	100+41.90	39.56'RT	---	---	---	---	---	482,137.66	836,737.69	BOC; CURB RAMP OPENING
H50	100+46.90	40.47'RT	---	---	---	---	---	482,142.66	836,738.64	BOC; CURB RAMP OPENING
H51	100+58.28	47.99'RT	---	---	10+47.19 CE	24.41'RT	---	482,153.98	836,746.25	BOC; CURB RAMP OPENING
H52	100+61.07	52.20'RT	---	---	10+51.48 CE	21.77'RT	---	482,156.73	836,750.48	BOC; CURB RAMP OPENING
H53	100+65.18	62.14'RT	---	---	10+61.56 CE	18.00'RT	895.43	482,160.77	836,760.46	---
H54	100+65.28	65.09'RT	---	---	10+64.51 CE	18.00'RT	895.27	482,160.85	836,763.40	---
H55	100+68.38	155.53'RT	---	---	11+55.00 CE	18.00'RT	---	482,163.22	836,853.86	MATCH EXIST. 30-INCH C&G
H56	101+04.36	154.29'RT	---	---	11+55.00 CE	18.00'LT	---	482,199.21	836,852.92	MATCH EXIST. 30-INCH C&G
H57	101+01.26	63.86'RT	---	---	10+64.51 CE	18.00'LT	893.74	482,196.83	836,762.46	---
H58	101+05.37	52.21'RT	---	---	10+53.01 CE	22.51'LT	---	482,201.04	836,750.84	BOC; CURB RAMP OPENING
H59	101+08.16	48.00'RT	---	---	10+48.90 CE	25.44'LT	---	482,203.86	836,746.66	BOC; CURB RAMP OPENING
H60	101+20.04	40.34'RT	---	---	---	---	---	482,215.80	836,739.09	BOC; CURB RAMP OPENING
H61	101+25.04	39.53'RT	---	---	---	---	---	482,220.80	836,738.33	BOC; CURB RAMP OPENING
H62	101+26.01	38.00'RT	---	---	---	---	893.55	482,221.79	836,736.80	---
H63	96+40.88	67.37'LT	9+33.04 L	40.71'RT	---	---	---	481,737.52	836,627.54	EDGE OF EXISTING SIDEWALK
H64	96+50.09	75.31'LT	9+25.00 L	31.58'RT	---	---	---	481,746.79	836,619.67	MATCH EXIST. PARKING LOT
H65	97+11.83	40.83'LT	9+58.86 L	30.50'LT	---	---	---	481,808.25	836,654.64	SAWING ASPHALT
H66	97+38.20	40.83'LT	---	---	---	---	---	481,834.62	836,654.85	SAWING ASPHALT
H67	97+62.29	54.50'LT	---	---	---	---	---	481,858.82	836,641.38	MATCH EXIST. PARKING LOT
H68	97+62.27	40.90'LT	---	---	---	---	905.40	481,858.69	836,654.98	EDGE OF ASPHALT
H69	97+78.09	40.80'LT	---	---	---	---	904.98	481,874.51	836,655.21	EDGE OF ASPHALT
H70	97+81.07	37.80'LT	---	---	---	---	904.85	481,877.47	836,658.23	EDGE OF ASPHALT
H71	97+81.07	36.50'LT	---	---	---	---	904.82	481,877.46	836,659.53	---
H72	98+05.07	36.50'LT	---	---	---	---	904.49	481,901.46	836,659.73	---
H73	98+05.07	37.50'LT	---	---	---	---	904.50	481,901.47	836,658.73	---
H74	98+08.07	40.50'LT	---	---	---	---	904.55	481,904.49	836,655.75	---
H75	98+23.35	40.50'LT	---	---	---	---	904.70	481,919.77	836,655.87	---
H76	98+23.22	54.50'LT	---	---	---	---	---	481,919.75	836,641.87	MATCH EXIST. CONCRETE CURB
H77	98+36.53	36.50'LT	---	---	---	---	904.22	481,932.92	836,659.98	EDGE OF SDEWALK
H78	98+34.09	40.33'LT	---	---	---	---	904.45	481,930.51	836,656.13	EDGE OF SIDEWALK
H79	98+31.25	58.84'LT	---	---	---	---	905.46	481,927.81	836,637.60	EDGE OF SIDEWALK

POINT NO.	MAINLINE		LOFTY AVENUE		COLDSPRING AVENUE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
H80	98+34.16	70.26'LT	---	---	---	---	---	481,930.81	836,626.20	MATCH EXIST. SIDEWALK
H81	98+38.15	70.35'LT	---	---	---	---	---	481,934.81	836,626.14	MATCH EXIST. SIDEWALK
H82	98+34.71	56.85'LT	---	---	---	---	905.38	481,931.26	836,639.62	EDGE OF SIDEWALK
H83	98+36.80	43.28'LT	---	---	---	---	904.37	481,933.24	836,653.21	EDGE OF SIDEWALK
H84	98+40.67	36.50'LT	---	---	---	---	904.13	481,937.05	836,660.01	EDGE OF SIDEWALK
H85	98+47.45	54.50'LT	---	---	---	---	---	481,943.98	836,642.07	MATCH EXIST. CONCRETE CURB
H86	98+47.45	43.10'LT	---	---	---	---	904.68	481,943.89	836,653.47	---
H87	98+60.44	43.10'LT	---	---	---	---	903.90	481,956.88	836,653.58	---
H88	98+63.44	40.10'LT	---	---	---	---	903.62	481,959.85	836,656.60	---
H89	98+63.44	36.50'LT	---	---	---	---	903.40	481,959.82	836,660.20	---
H90	98+87.61	36.50'LT	---	---	---	---	902.83	481,983.99	836,660.39	EDGE OF ASPHALT
H91	98+86.71	54.50'LT	---	---	---	---	---	481,983.23	836,642.38	MATCH EXIST. PARKING LOT
H92	98+99.55	36.50'LT	---	---	---	---	902.53	481,995.94	836,660.49	EDGE OF ASPHALT
H93	99+54.01	56.51'RT	---	---	---	---	901.16	482,049.64	836,753.93	---
H94	99+08.26	53.50'LT	---	---	---	---	---	482,004.78	836,643.56	MATCH EXIST. DRIVEWAY
H95	99+17.49	53.50'LT	---	---	---	---	---	482,014.01	836,643.63	MATCH EXIST. DRIVEWAY
H96	99+17.48	46.50'LT	---	---	---	---	902.63	482,013.94	836,650.63	EDGE OF ASPHALT
H97	99+18.86	36.50'LT	---	---	---	---	902.01	482,015.25	836,660.64	EDGE OF ASPHALT
H98	99+31.27	36.50'LT	---	---	---	---	---	482,027.65	836,660.74	BOS
H99	99+31.27	56.50'LT	---	---	---	---	---	482,027.82	836,640.74	MATCH EXIST. SIDEWALK
H100	99+35.25	56.50'LT	---	---	---	---	---	482,031.79	836,640.77	MATCH EXIST. SIDEWALK
H101	99+35.27	36.50'LT	---	---	---	---	---	482,031.65	836,660.77	BOS
H102	99+88.49	36.50'LT	---	---	---	---	899.92	482,084.87	836,661.20	---
H103	99+88.57	42.70'LT	---	---	---	---	---	482,085.00	836,655.00	EDGE OF ASPHALT
H104	99+84.66	49.69'LT	---	---	---	---	---	482,081.14	836,647.98	MATCH EXIST. SIDEWALK
H105	99+84.66	53.50'LT	---	---	---	---	---	482,081.17	836,644.17	MATCH EXIST. SIDEWALK
H106	99+90.24	58.29'LT	---	---	---	---	---	482,086.80	836,639.42	EDGE OF ASPHALT
H107	99+90.92	62.28'LT	---	---	---	---	---	482,087.51	836,635.44	MATCH EXIST. DRIVEWAY
H108	100+03.83	62.28'LT	---	---	---	---	---	482,100.42	836,635.54	MATCH EXIST. DRIVEWAY
H109	100+03.49	36.50'LT	---	---	---	---	899.40	482,099.87	836,661.32	---
H110	100+39.13	36.50'LT	---	---	---	---	---	482,135.51	836,661.61	BOS
H111	100+39.53	49.00'LT	---	---	---	---	---	482,136.01	836,649.11	MATCH EXIST. SIDEWALK
H112	100+42.72	49.00'LT	---	---	---	---	---	482,139.20	836,649.14	MATCH EXIST. SIDEWALK
H113	100+43.13	36.50'LT	---	---	---	---	---	482,139.51	836,661.64	BOS
H114	100+67.63	106.14'LT	---	---	8+93.94 CW	16.50'RT	---	482,164.57	836,592.20	EDGE OF ASPHALT; BOC
H115	100+55.42	104.26'LT	---	---	8+95.88 CW	28.71'RT	---	482,152.34	836,593.98	MATCH EXISTING DRIVEWAY
H116	100+55.56	134.92'LT	---	---	8+65.22 CW	28.71'RT	---	482,152.73	836,563.33	MATCH EXISTING DRIVEWAY
H117	100+67.72	125.19'LT	---	---	8+74.89 CW	16.50'RT	---	482,164.81	836,573.15	EDGE OF ASPHALT; BOC
H118	101+30.86	36.50'LT	---	---	---	---	---	482,227.24	836,662.34	BOS
H119	101+30.86	51.50'LT	---	---	---	---	---	482,227.36	836,647.34	MATCH EXIST. SIDEWALK
H120	101+34.85	51.50'LT	---	---	---	---	---	482,231.34	836,647.38	MATCH EXIST. SIDEWALK
H121	101+34.86	36.50'LT	---	---	---	---	---	482,231.24	836,662.38	BOS
H122	101+54.79	36.50'LT	---	---	---	---	892.43	482,251.17	836,662.54	---
H123	101+54.88	48.70'LT	---	---	---	---	---	482,251.35	836,650.34	MATCH EXIST. DRIVEWAY
H124	101+67.68	48.70'LT	---	---	---	---	---	482,264.15	836,650.44	MATCH EXIST. DRIVEWAY
H125	101+67.59	36.50'LT	---	---	---	---	891.74	482,263.97	836,662.64	---
H126	101+26.13	48.50'RT	---	---	---	---	---	482,221.82	836,747.30	BOS
H127	101+15.13	59.88'RT	---	---	---	---	---	482,210.74	836,758.59	BOS
H128	101+15.57	72.60'RT	---	---	10+73.74 CE	32.00'LT	---	482,211.07	836,771.32	BOS
H129	101+22.07	72.38'RT	---	---	10+73.74 CE	38.50'LT	---	482,217.57	836,771.15	EDGE OF SIDEWALK
H130	101+22.20	76.38'RT	---	---	10+77.74 CE	38.50'LT	---	482,217.67	836,775.15	EDGE OF SIDEWALK
H131	101+15.71	76.60'RT	---	---	10+77.74 CE	32.00'LT	---	482,211.18	836,775.32	BOS
H132	101+18.36	153.81'RT	---	---	11+55.00 CE	32.00'LT	---	482,213.20	836,852.55	MATCH EXIST. SIDEWALK
H133	101+13.36	153.98'RT	---	---	11+55.00 CE	27.00'LT	---	482,208.20	836,852.68	MATCH EXIST. SIDEWALK
H134	100+60.39	155.80'RT	---	---	11+55.00 CE	26.00'RT	---	482,155.22	836,854.07	MATCH EXIST. SIDEWALK
H135	100+55.39	155.97'RT	---	---	11+55.00 CE	31.00'RT	---	482,150.22	836,854.20	MATCH EXIST. SIDEWALK
H136	100+52.10	60.09'RT	---	---	10+59.06 CE	31.00'RT	---	482,147.71	836,758.30	BOS
H137	100+40.11	48.50'RT	---	---	---	---	---	482,135.81	836,746.61	BOS
H138	99+62.65	48.50'RT	---	---	---	---	---	482,058.35	836,745.99	BOS
H139	99+58.69	50.44'RT	---	---	---	---	901.17	482,054.37	836,747.90	---
H140	99+44.81	68.43'RT	---	---	---	---	---	482,040.35	836,765.77	MATCH EXIST. SIDEWALK
H141	99+40.85	65.37'RT	---	---	---	---	---	482,036.42	836,762.69	MATCH EXIST. SIDEWALK
H142	99+50.05	53.46'RT	---	---	---	---	901.26	482,045.71	836,750.84	---
H143	99+50.69	48.50'RT	---	---	---	---	---	482,046.39	836,745.89	BOS
H144	97+34.63	48.50'RT	---	---	---	---	---	481,830.34	836,744.16	BOS
H145	97+25.06	63.37'RT	---	---	---	---	904.86	481,820.65	836,758.95	EDGE OF SIDEWALK
H146	97+12.55	68.22'RT	---	---	---	---	904.21	481,808.10	836,763.70	EDGE OF SIDEWALK
H147	97+01.33	76.89'RT	---	---	---	---	903.23	481,796.81	836,772.28	EDGE OF SIDEWALK
H148	96+94.69	86.10'RT	---	---	---	---	---	481,790.09	836,781.43	MATCH EXIST. SIDEWALK
H149	96+86.58	80.24'RT	---	---	---	---	---	481,782.03	836,775.51	MATCH EXIST. SIDEWALK
H150	96+93.22	71.04'RT	---	---	---	---	903.43	481,788.75	836,766.37	---
H151	97+08.93	58.90'RT	---	---	---	---	904.41	481,804.55	836,754.35	---
H152	97+21.44	54.04'RT	---	---	---	---	905.06	481,817.10	836,749.59	---
H153	97+24.63	48.50'RT	---	---	---	---	---	481,820.34	836,744.08	BOS
H154	96+42.42	51.00'LT	9+49.39 L	39.00'RT	---	---	---	481,738.93	836,643.92	R = 25'
H155	97+20.43	51.00'LT	9+48.61 L	39.00'LT	---	---	---	481,816.93	836,644.55	R = 25'
H156	97+21.20	28.00'LT	---	---	---	---	---	481,817.52	836,667.55	R = 40'
H157	97+78.07	37.80'LT	---	---	---	---	---	481,874.47	836,658.21	R = 3'
H158	98+08.07	37.50'LT	---	---	---	---	---	481,904.47	836,658.75	R = 3'

POINT NO.	MAINLINE		LOFTY AVENUE		COLDSPRING AVENUE		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET				
H159	98+28.06	33.79'LT	---	---	---	---	---	481,924.42	836,662.62	R = 8.9'
H160	98+44.25	51.37'LT	---	---	---	---	---	481,940.76	836,645.17	R = 15.0'
H161	98+12.21	69.77'LT	---	---	---	---	---	481,908.86	836,626.51	R = 21.9'
H162	98+60.44	40.10'LT	---	---	---	---	---	481,956.85	836,656.58	R = 3'
H163	99+80.57	42.81'LT	---	---	---	---	---	482,077.00	836,654.83	R = 8'
H164	99+83.96	59.96'LT	---	---	---	---	---	482,080.53	836,637.70	R = 6.5'
H165	100+44.87	51.00'LT	---	---	9+49.18 CW	39.00'RT	---	482,141.37	836,647.15	R = 25'
H166	101+22.87	51.00'LT	---	---	9+48.82 CW	39.00'LT	---	482,219.37	836,647.78	R = 25'
H167	101+26.25	63.00'RT	---	---	10+64.51 CE	43.00'LT	---	482,221.82	836,761.80	R = 25'
H168	100+40.20	63.00'RT	---	---	10+61.56 CE	43.00'RT	---	482,135.78	836,761.11	R = 25'
H169	101+26.13	59.50'RT	---	---	10+61.01 CE	43.00'LT	---	482,221.73	836,758.30	R = 11'
H170	100+40.11	60.50'RT	---	---	10+59.06 CE	43.00'RT	---	482,135.71	836,758.61	R = 12'
H171	99+62.65	53.50'RT	---	---	---	---	---	482,058.31	836,750.99	R = 5'
H172	99+46.08	50.42'RT	---	---	---	---	---	482,041.76	836,747.78	R = 5'
H173	97+19.63	49.38'RT	---	---	---	---	---	481,815.33	836,744.92	R = 15'
H174	97+34.63	49.38'RT	---	---	---	---	---	481,830.33	836,745.04	EDGE OF SIDEWALK
H175	97+21.60	91.53'RT	---	---	---	---	---	481,816.96	836,787.08	R = 25'
H176	96+31.22	36.50'LT	---	---	---	---	---	481,727.61	836,658.33	BOS
H177	96+49.30	54.58'LT	9+45.74 L	32.17'RT	---	---	905.53	481,745.83	836,640.40	---
H178	96+52.12	55.75'LT	9+44.54 L	29.35'RT	---	---	905.51	481,748.67	836,639.25	---
H179	96+55.06	55.75'LT	9+44.51 L	26.42'RT	---	---	---	481,751.60	836,639.27	---
H180	96+64.95	53.71'LT	9+46.46 L	16.50'RT	---	---	---	481,761.48	836,641.39	EDGE OF ASPHA"LT; BOC
H181	96+65.17	75.16'LT	9+25.00 L	16.50'RT	---	---	---	481,761.87	836,619.94	EDGE OF ASPHA"LT; BOC
H182	96+52.12	51.75'LT	9+48.54 L	29.31'RT	---	---	---	481,748.64	836,643.25	R = 4'
H183	96+55.06	30.75'LT	---	---	---	---	---	481,751.40	836,664.27	R = 25'
H184	99+54.01	56.51'RT	---	---	---	---	901.16	482,049.64	836,753.93	---
H185	96+55.99	30.00'LT	---	---	---	---	---	481,752.33	836,665.03	CROSSWALK LAYOUT POINT
H186	97+06.86	30.00'LT	---	---	---	---	---	481,803.20	836,665.44	CROSSWALK LAYOUT POINT
H187	97+25.63	26.00'LT	---	---	---	---	---	481,821.94	836,669.59	CROSSWALK LAYOUT POINT
H188	97+25.63	0.00'RT	---	---	---	---	---	481,821.73	836,695.59	CROSSWALK LAYOUT POINT
H189	97+25.63	12.00'RT	---	---	---	---	---	481,821.63	836,707.59	CROSSWALK LAYOUT POINT
H190	97+25.63	38.00'RT	---	---	---	---	---	481,821.42	836,733.59	CROSSWALK LAYOUT POINT
H191	97+75.44	31.50'LT	---	---	---	---	905.05	481,871.79	836,664.49	FOS
H192	97+80.44	31.50'LT	---	---	---	---	904.73	481,876.79	836,664.53	FOS AT DRIVEWAY
H193	98+07.16	31.50'LT	---	---	---	---	904.36	481,903.50	836,664.74	FOS AT DRIVEWAY
H194	98+12.16	31.50'LT	---	---	---	---	904.54	481,908.50	836,664.78	FOS
H195	98+56.89	31.50'LT	---	---	---	---	903.70	481,953.23	836,665.14	FOS
H196	98+61.89	31.50'LT	---	---	---	---	903.34	481,958.23	836,665.18	FOS AT DRIVEWAY
H197	98+87.61	31.50'LT	---	---	---	---	902.73	481,983.95	836,665.39	FOS AT DRIVEWAY
H198	98+92.61	31.50'LT	---	---	---	---	902.87	481,988.95	836,665.43	FOS
H199	98+94.55	31.50'LT	---	---	---	---	902.82	481,990.90	836,665.45	FOS
H200	98+99.55	31.50'LT	---	---	---	---	902.43	481,995.90	836,665.49	FOS AT DRIVEWAY
H201	99+19.55	31.50'LT	---	---	---	---	901.88	482,015.90	836,665.65	FOS AT DRIVEWAY
H202	99+24.55	31.50'LT	---	---	---	---	902.00	482,020.90	836,665.69	FOS
H203	99+82.54	31.50'LT	---	---	---	---	900.24	482,078.88	836,666.15	FOS
H204	99+87.54	31.50'LT	---	---	---	---	899.82	482,083.88	836,666.19	FOS AT DRIVEWAY
H205	100+04.28	31.50'LT	---	---	---	---	899.27	482,100.61	836,666.33	FOS AT DRIVEWAY
H206	100+09.28	31.50'LT	---	---	---	---	899.35	482,105.61	836,666.37	FOS
H207	100+48.40	26.25'LT	---	---	---	---	---	482,144.69	836,671.93	CROSSWALK LAYOUT POINT
H208	100+58.44	30.00'LT	---	---	---	---	---	482,154.76	836,668.26	CROSSWALK LAYOUT POINT
H209	100+48.40	39.38'RT	---	---	---	---	---	482,144.16	836,737.56	CROSSWALK LAYOUT POINT
H210	100+57.92	45.37'RT	---	---	---	---	---	482,153.64	836,743.62	CROSSWALK LAYOUT POINT
H211	101+08.52	45.37'RT	---	---	---	---	---	482,204.24	836,744.03	CROSSWALK LAYOUT POINT
H212	101+18.54	39.22'RT	---	---	---	---	---	482,214.31	836,737.96	CROSSWALK LAYOUT POINT
H213	101+18.54	26.38'LT	---	---	---	---	---	482,214.83	836,672.37	CROSSWALK LAYOUT POINT
H214	101+09.31	30.00'LT	---	---	---	---	---	482,205.63	836,668.67	CROSSWALK LAYOUT POINT
H215	101+48.89	31.50'LT	---	---	---	---	892.31	482,245.23	836,667.49	FOS
H216	101+53.89	31.50'LT	---	---	---	---	892.38	482,250.23	836,667.53	FOS AT DRIVEWAY
H217	101+68.43	31.50'LT	---	---	---	---	891.64	482,264.76	836,667.65	FOS AT DRIVEWAY
H218	101+73.43	31.50'LT	---	---	---	---	891.65	482,269.76	836,667.69	FOS
H219	100+60.45	165.67'LT	---	---	8+34.44 CW	23.97'RT	---	482,157.86	836,532.61	MATCH EXISTING DRIVEWAY
H220	100+60.66	189.95'LT	---	---	8+10.16 CW	23.87'RT	---	482,158.27	836,508.33	MATCH EXISTING DRIVEWAY
H221	100+68.66	189.89'LT	---	---	8+10.19 CW	15.87'RT	---	482,166.27	836,508.46	---
H222	100+68.47	167.85'LT	---	---	8+32.23 CW	15.96'RT	---	482,165.90	836,530.50	---



LEGEND

- (A) EXISTING TREE TO REMAIN
- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (D) REMOVING CONCRETE BASES REQUIRED
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (G) EXISTING FENCE TO BE REMOVED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (J) REMOVING LANDSCAPING TIMBERS REQUIRED
- (K) REMOVING FENCE REQUIRED
- (L) EXISTING PROPERTY ADDRESS SIGN TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION
- (M) REMOVING LANDSCAPING BLOCKS REQUIRED
- (V) REMOVE YELLOW WARNING FLASHER REQUIRED

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

NOTES:

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

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

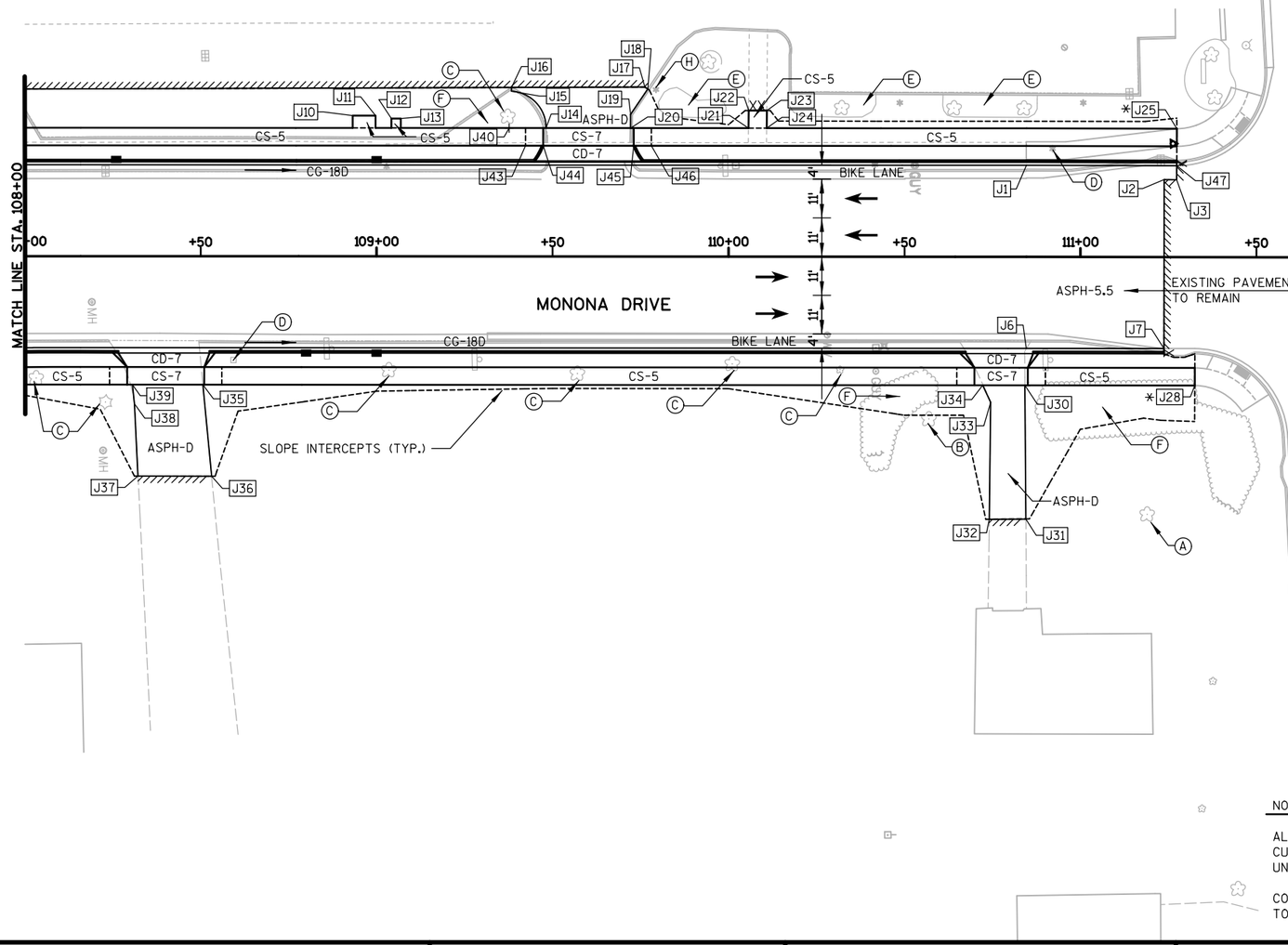
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 68	E

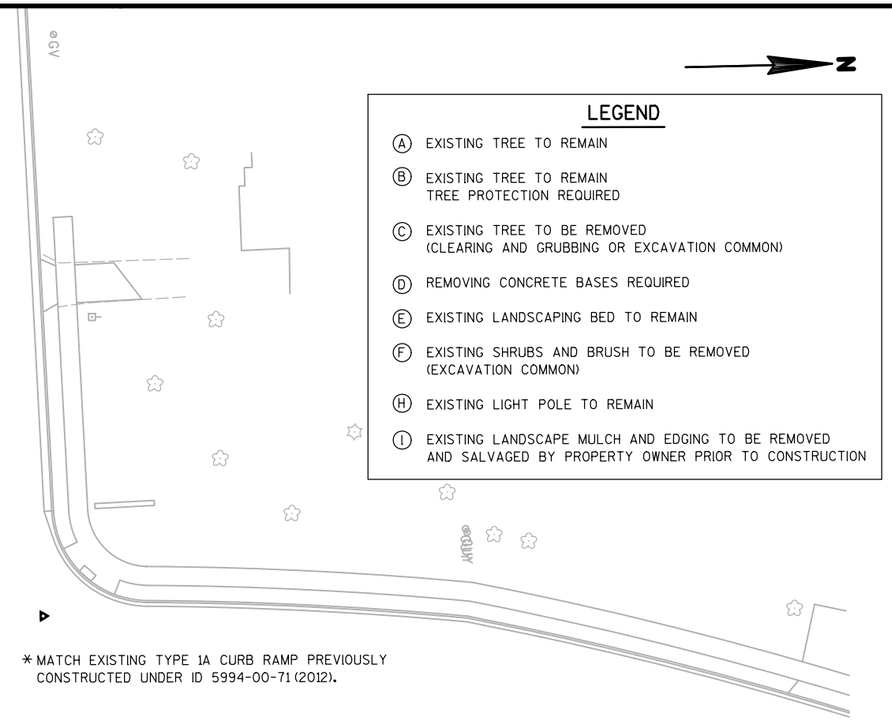
POINT NO.	MAINLINE		PARKWAY STREET		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
11	103+38.00	26.00'LT	---	---	885.05	482,434.28	836,674.51	---
12	105+15.93	161.83'RT	---	---	---	482,610.70	836,863.76	R = 1200'
13	107+10.84	51.00'LT	9+46.01 P	39.24 'RT	---	482,807.44	836,652.53	R = 25'
14	107+10.84	26.00'LT	---	---	877.99	482,807.17	836,677.53	---
15	107+23.88	31.50'LT	9+66.39 P	27.55 'RT	---	482,820.33	836,672.17	BOC; CURB RAMP OPENING
16	107+29.22	36.50'LT	9+61.79 P	21.84 'RT	---	482,825.76	836,667.24	BOC; CURB RAMP OPENING
17	107+35.64	52.17'LT	9+46.63 P	14.25 'RT	877.02	482,832.42	836,651.66	---
18	107+33.74	91.77'LT	9+07.00 P	13.26 'RT	---	482,831.04	836,612.04	MATCH EXIST. 30-INCH C&G
19	107+59.97	93.77'LT	9+07.00 P	13.37 'LT	---	482,857.63	836,610.44	MATCH EXIST. 30-INCH C&G
110	107+63.33	54.54'LT	9+46.37 P	13.74 'LT	876.89	482,860.35	836,649.72	---
111	107+63.83	48.79'LT	9+52.14 P	13.79 'LT	877.04	482,860.75	836,655.48	---
112	107+70.18	36.50'LT	9+64.90 P	19.21 'LT	---	482,866.91	836,667.89	BOC; CURB RAMP OPENING
113	107+75.52	31.50'LT	9+70.30 P	24.16 'LT	---	482,872.18	836,672.99	BOC; CURB RAMP OPENING
114	107+88.57	26.00'LT	---	---	877.42	482,885.16	836,678.75	---
115	102+55.54	10.00'RT	---	---	888.06	482,351.54	836,709.84	---
116	102+90.58	12.00'RT	---	---	886.82	482,386.56	836,712.13	---
117	103+18.54	11.67'RT	---	---	886.04	482,414.52	836,712.02	---
118	103+30.54	0.00'RT	---	---	885.74	482,426.61	836,700.45	---
119	103+38.00	0.80'RT	---	---	885.57	482,434.07	836,701.31	---
120	103+38.00	6.10'RT	---	---	885.57	482,434.03	836,706.60	---
121	102+90.59	38.00'RT	---	---	886.30	482,386.36	836,738.12	---
122	103+38.00	37.08'RT	---	---	885.06	482,433.78	836,737.59	---
123	103+72.13	35.28'RT	---	---	884.32	482,467.93	836,736.06	---
124	104+71.54	28.66'RT	---	---	882.11	482,567.38	836,730.24	---
125	105+51.36	26.00'RT	---	---	880.37	482,647.22	836,728.22	---
126	107+88.57	51.00'LT	9+51.91 P	38.79 'LT	---	482,885.69	836,653.75	R = 25'
127	102+26.05	36.50'LT	---	---	889.01	482,322.43	836,663.11	---
128	102+26.80	44.50'LT	---	---	---	482,323.24	836,655.11	---
129	102+26.11	57.06'LT	---	---	---	482,322.65	836,642.55	MATCH EXIST. DRIVEWAY
130	102+36.24	57.06'LT	---	---	---	482,332.78	836,642.63	MATCH EXIST. DRIVEWAY
131	102+36.67	44.50'LT	---	---	---	482,333.11	836,655.19	---
132	102+38.05	36.50'LT	---	---	888.53	482,334.42	836,663.20	---
133	102+81.19	36.50'LT	---	---	887.03	482,377.56	836,663.55	---
134	102+81.21	40.84'LT	---	---	---	482,377.62	836,659.22	---
135	102+77.69	48.50'LT	---	---	---	482,374.16	836,651.52	MATCH EXIST. DRIVEWAY
136	103+01.25	48.50'LT	---	---	---	482,397.72	836,651.71	MATCH EXIST. DRIVEWAY
137	103+01.19	36.50'LT	---	---	886.44	482,397.56	836,663.71	---
138	103+49.35	36.50'LT	---	---	885.25	482,445.72	836,664.10	---
139	103+49.46	42.50'LT	---	---	---	482,445.88	836,658.10	MATCH EXIST. DRIVEWAY
140	103+67.71	42.50'LT	---	---	---	482,464.13	836,658.25	MATCH EXIST. DRIVEWAY
141	103+67.60	36.50'LT	---	---	884.85	482,463.97	836,664.25	---
142	103+72.97	36.50'LT	---	---	884.72	482,469.34	836,664.29	---
143	103+73.01	47.50'LT	---	---	---	482,469.46	836,653.29	MATCH EXIST. DRIVEWAY
144	103+91.01	47.50'LT	---	---	---	482,487.46	836,653.43	MATCH EXIST. DRIVEWAY
145	103+90.97	36.50'LT	---	---	884.32	482,487.34	836,664.43	---
146	104+54.84	36.50'LT	---	---	882.91	482,551.21	836,664.95	---
147	104+51.34	40.00'LT	---	---	---	482,547.73	836,661.42	---
148	104+37.64	40.00'LT	---	---	---	482,534.04	836,661.31	---
149	104+37.72	48.00'LT	---	---	---	482,534.18	836,653.31	MATCH EXIST. DRIVEWAY
150	104+69.05	48.00'LT	---	---	---	482,565.50	836,653.56	MATCH EXIST. DRIVEWAY
151	104+69.84	36.50'LT	---	---	882.58	482,566.21	836,665.07	---
152	105+69.61	36.50'LT	---	---	880.44	482,665.97	836,665.87	---
153	105+69.38	44.00'LT	---	---	---	482,665.81	836,658.37	MATCH EXIST. DRIVEWAY
154	105+81.39	44.00'LT	---	---	---	482,677.81	836,658.46	MATCH EXIST. DRIVEWAY
155	105+81.61	36.50'LT	---	---	880.21	482,677.98	836,665.96	---
156	106+26.96	36.50'LT	---	---	879.46	482,723.32	836,666.33	---
157	106+27.01	40.92'LT	---	---	---	482,723.40	836,661.91	---
158	106+24.72	42.10'LT	---	---	---	482,721.13	836,660.71	---
159	106+24.72	42.60'LT	---	---	---	482,721.13	836,660.22	MATCH EXIST. DRIVEWAY
160	106+39.03	42.60'LT	---	---	---	482,735.43	836,660.33	MATCH EXIST. DRIVEWAY
161	106+38.96	36.50'LT	---	---	879.29	482,735.32	836,666.43	---
162	106+76.61	36.50'LT	---	---	---	482,772.97	836,666.73	BOS
163	106+76.74	49.00'LT	---	---	---	482,773.20	836,654.23	MATCH EXIST. SIDEWALK
164	106+80.66	49.00'LT	---	---	---	482,777.12	836,654.26	MATCH EXIST. SIDEWALK
165	106+80.61	36.50'LT	---	---	---	482,776.97	836,666.76	BOS
166	107+96.17	65.90'LT	9+37.68 P	47.63 'LT	---	482,893.66	836,639.02	---
167	107+96.19	47.48'LT	9+56.04 P	46.15 'LT	---	482,893.28	836,657.44	---
168	107+48.45	36.50'RT	---	---	878.13	482,843.94	836,740.51	---
169	107+48.92	41.49'RT	---	---	---	482,844.33	836,745.51	MATCH EXIST. DRIVEWAY
170	107+34.14	41.50'RT	---	---	---	482,829.64	836,745.30	MATCH EXIST. DRIVEWAY

POINT NO.	MAINLINE		PARKWAY STREET		ELEV.	NORTHING	EASTING	REMARKS
	STATION	OFFSET	STATION	OFFSET				
171	107+34.38	36.50'RT	---	---	878.23	482,829.94	836,740.31	---
172	106+46.57	36.50'RT	---	---	879.17	482,742.35	836,739.48	---
173	106+46.68	42.00'RT	---	---	---	482,742.40	836,744.98	MATCH EXIST. DRIVEWAY
174	106+30.68	42.00'RT	---	---	---	482,726.40	836,744.86	MATCH EXIST. DRIVEWAY
175	106+30.57	36.50'RT	---	---	879.40	482,726.35	836,739.36	---
176	105+80.12	36.50'RT	---	---	880.25	482,675.89	836,738.95	---
177	105+79.67	41.50'RT	---	---	---	482,675.40	836,743.95	---
178	105+79.26	46.00'RT	---	---	---	482,674.96	836,748.44	MATCH EXIST. DRIVEWAY
179	105+69.07	46.00'RT	---	---	---	482,664.77	836,748.36	MATCH EXIST. DRIVEWAY
180	105+68.62	41.50'RT	---	---	---	482,664.35	836,743.86	---
181	105+68.12	36.50'RT	---	---	880.47	482,663.89	836,738.85	---
182	104+30.78	41.90'RT	---	---	883.50	482,526.52	836,743.15	---
183	104+30.51	67.23'RT	---	---	---	482,526.04	836,768.48	MATCH EXIST. DRIVEWAY
184	104+14.21	67.06'RT	---	---	---	482,509.75	836,768.17	MATCH EXIST. DRIVEWAY
185	103+70.60	69.96'RT	---	---	---	482,466.11	836,770.73	MATCH EXIST. DRIVEWAY
186	103+48.89	69.96'RT	---	---	---	482,444.40	836,770.55	MATCH EXIST. DRIVEWAY
187	103+48.89	47.12'RT	---	---	885.27	482,444.59	836,747.72	---
188	104+14.26	43.00'RT	---	---	883.83	482,509.99	836,744.12	---
189	104+14.25	47.01'RT	---	---	884.05	482,509.95	836,748.13	---
190	103+66.63	50.18'RT	---	---	885.10	482,462.30	836,750.92	---
191	103+66.64	46.16'RT	---	---	884.87	482,462.34	836,746.89	---
192	102+65.19	48.50'RT	---	---	887.58	482,360.88	836,748.42	---
193	102+62.70	53.50'RT	---	---	---	482,358.35	836,753.40	---
194	102+58.22	62.50'RT	---	---	---	482,353.79	836,762.36	MATCH EXIST. DRIVEWAY
195	102+35.38	62.50'RT	---	---	---	482,330.96	836,762.18	MATCH EXIST. DRIVEWAY
196	102+38.53	55.29'RT	---	---	---	482,334.17	836,755.00	---
197	102+39.83	53.50'RT	---	---	---	482,335.48	836,753.22	---
198	102+43.43	48.50'RT	---	---	888.37	482,339.12	836,748.25	---
199	102+71.21	40.88'LT	---	---	---	482,367.62	836,659.09	R = 10'
1100	104+51.34	36.50'LT	---	---	---	482,547.71	836,664.92	R = 3.5'
1101	103+02.62	152.42'LT	---	---	---	482,399.92	836,547.81	R = 1200'
1102	103+17.61	28.31'LT	---	---	---	482,413.91	836,672.03	R = 40'
1103	103+30.54	35.00'RT	---	---	---	482,426.33	836,735.45	R = 40'
1104	103+14.38	156.31'LT	---	---	---	482,411.72	836,544.01	R = 1226'
1105	103+82.00	49.16'RT	---	---	884.90	482,477.68	836,750.02	---
1106	104+00.00	47.96'RT	---	---	884.52	482,495.69	836,748.96	---
1107	104+00.00	68.00'RT	---	---	885.27	482,495.53	836,769.01	---
1108	103+82.00	69.20'RT	---	---	885.67	482,477.52	836,770.06	---
1109	107+55.44	93.42'LT	9+07.00 P	8.77'LT	---	482,853.03	836,610.72	MATCH EXIST. PAVMENT
1110	107+34.41	136.08'LT	8+62.86 P	9.32'RT	---	482,832.33	836,567.74	MATCH EXIST. PAVMENT
1111	107+31.04	134.37'LT	8+64.32 P	12.88'RT	---	482,828.87	836,569.41	MATCH EXIST. 30-INCH C&G
1112	107+32.58	116.48'LT	8+82.27 P	12.62'RT	---	482,830.20	836,587.31	MATCH EXIST. 30-INCH C&G
1113	107+44.79	92.60'LT	9+07.00 P	2.04'RT	---	482,842.24	836,611.37	MATCH EXIST. PAVMENT
1114	102+20.58	31.46'LT	---	---	889.38	482,316.91	836,668.10	FOS
1115	102+25.58	31.46'LT	---	---	888.91	482,321.91	836,668.14	FOS AT DRIVEWAY
1116	102+38.92	31.50'LT	---	---	888.39	482,335.25	836,668.21	FOS AT DRIVEWAY
1117	102+43.92	31.50'LT	---	---	888.46	482,340.25	836,668.25	FOS
1118	102+75.30	31.50'LT	---	---	887.39	482,371.63	836,668.50	FOS
1119	102+80.30	31.50'LT	---	---	886.97	482,376.63	836,668.54	FOS AT DRIVEWAY
1120	103+02.05	31.50'LT	---	---	886.31	482,398.38	836,668.72	FOS AT DRIVEWAY
1121	103+07.05	31.50'LT	---	---	886.43	482,403.38	836,668.76	FOS
1122	103+43.36	31.50'LT	---	---	885.54	482,439.69	836,669.05	FOS
1123	103+48.36	31.50'LT	---	---	885.17	482,444.69	836,669.09	FOS AT DRIVEWAY
1124	103+91.81	31.50'LT	---	---	884.20	482,488.14	836,669.44	FOS AT DRIVEWAY
1125	103+96.81	31.50'LT	---	---	884.35	482,493.14	836,669.48	FOS
1126	104+49.88	31.50'LT	---	---	883.18	482,546.21	836,669.91	FOS
1127	104+54.88	31.50'LT	---	---	882.81	482,551.21	836,669.95	FOS AT DRIVEWAY
1128	104+69.88	31.50'LT	---	---	882.48	482,566.21	836,670.07	FOS AT DRIVEWAY
1129	104+74.88	31.50'LT	---	---	882.63	482,571.21	836,670.11	FOS
1130	105+63.91	31.50'LT	---	---	880.71	482,660.23	836,670.82	FOS
1131	105+68.91	31.50'LT	---	---	880.36	482,665.23	836,670.86	FOS AT DRIVEWAY
1132	105+82.65	31.50'LT	---	---	880.09	482,678.97	836,670.97	FOS AT DRIVEWAY
1133	105+87.65	31.50'LT	---	---	880.26	482,683.97	836,671.01	FOS
1134	106+21.04	31.50'LT	---	---	879.71	482,717.36	836,671.28	FOS
1135	106+26.04	31.50'LT	---	---	879.38	482,722.36	836,671.32	FOS AT DRIVEWAY
1136	106+39.77	31.50'LT	---	---	879.17	482,736.09	836,671.43	FOS AT DRIVEWAY
1137	106+44.77	31.50'LT	---	---	879.36	482,741.09	836,671.47	FOS

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	NORTHING	EASTING	REMARKS
J1	110+84.63	26.00 'RT	875.48	483,181.25	836,685.96	---
J2	111+23.76	22.00 'LT	---	483,220.27	836,690.96	MATCH EXIST. PAVEMENT
J3	111+27.31	22.00 'LT	---	483,223.83	836,691.05	MATCH EXIST. PAVEMENT
J6	110+84.62	26.00 'RT	875.48	483,179.94	836,737.94	---
J7	111+23.76	26.00 'RT	---	483,219.04	836,738.94	MATCH EXIST. 18-INCH C&G
J10	108+93.17	40.00'LT	---	482,990.18	836,667.27	EDGE OF SIDEWALK
J11	108+99.67	40.00'LT	---	482,996.67	836,667.43	EDGE OF SIDEWALK
J12	109+04.17	39.17'LT	---	483,001.15	836,668.37	EDGE OF SIDEWALK
J13	109+06.84	39.17'LT	---	483,003.82	836,668.44	EDGE OF SIDEWALK
J14	109+48.16	36.50 'LT	876.84	483,045.06	836,672.12	---
J15	109+38.30	46.96 'LT	---	483,035.46	836,661.42	---
J16	109+38.30	48.03 'LT	---	483,035.49	836,660.34	MATCH EXIST. PARKING LOT
J17	109+76.21	48.19 'LT	---	483,073.39	836,661.12	MATCH EXIST. PARKING LOT
J18	109+77.04	47.63 'LT	---	483,074.21	836,661.70	MATCH EXIST. PARKING LOT
J19	109+72.15	40.36 'LT	876.69	483,069.14	836,668.85	---
J20	109+72.16	36.50 'LT	876.69	483,069.05	836,672.70	---
J21	110+05.66	36.50 'LT	876.73	483,102.54	836,673.52	---
J22	110+05.69	41.50 'LT	---	483,102.70	836,668.53	MATCH EXIST. SIDEWALK
J23	110+10.84	41.50 'LT	---	483,107.85	836,668.65	MATCH EXIST. SIDEWALK
J24	110+10.81	36.50 'LT	---	483,107.69	836,673.65	---

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	NORTHING	EASTING	REMARKS
J25	111+27.32	36.50 'LT	---	483,224.20	836,676.55	MATCH EXIST. SIDEWALK
J28	111+32.54	36.50 'RT	---	483,227.55	836,749.66	MATCH EXIST. SIDEWALK
J30	110+84.24	36.50 'RT	875.93	483,179.31	836,748.43	---
J31	110+84.54	74.50 'RT	---	483,178.68	836,786.43	MATCH EXIST. DRIVEWAY
J32	110+74.13	74.58 'RT	---	483,168.27	836,786.25	MATCH EXIST. DRIVEWAY
J33	110+74.52	41.35 'RT	876.36	483,169.48	836,753.04	---
J34	110+72.25	36.50 'RT	876.03	483,167.32	836,748.13	---
J35	108+50.67	36.50 'RT	877.47	482,945.81	836,742.70	---
J36	108+53.16	62.50 'RT	---	482,947.66	836,768.76	MATCH EXIST. DRIVEWAY
J37	108+32.25	62.50 'RT	---	482,926.76	836,768.25	MATCH EXIST. DRIVEWAY
J38	108+31.22	41.94 'RT	877.87	482,926.23	836,747.66	---
J39	108+30.62	36.50 'RT	877.59	482,925.77	836,742.21	---
J40	109+37.66	36.48 'LT	---	483,034.56	836,671.88	R = 10.5'
J43	109+42.31	31.50'LT	877.04	483,039.09	836,676.97	FOS
J44	109+47.31	31.50'LT	876.75	483,044.09	836,677.09	FOS AT DRIVEWAY
J45	109+73.03	31.50'LT	876.58	483,069.80	836,677.72	FOS AT DRIVEWAY
J46	109+78.03	31.50'LT	876.81	483,074.80	836,677.84	FOS
J47	111+27.32	26.00'LT	---	483,223.94	836,687.05	MATCH EXIST. 18-INCH C&G





* MATCH EXISTING TYPE 1A CURB RAMP PREVIOUSLY CONSTRUCTED UNDER ID 5994-00-71 (2012).

LEGEND

- (A) EXISTING TREE TO REMAIN
- (B) EXISTING TREE TO REMAIN TREE PROTECTION REQUIRED
- (C) EXISTING TREE TO BE REMOVED (CLEARING AND GRUBBING OR EXCAVATION COMMON)
- (D) REMOVING CONCRETE BASES REQUIRED
- (E) EXISTING LANDSCAPING BED TO REMAIN
- (F) EXISTING SHRUBS AND BRUSH TO BE REMOVED (EXCAVATION COMMON)
- (H) EXISTING LIGHT POLE TO REMAIN
- (I) EXISTING LANDSCAPE MULCH AND EDGING TO BE REMOVED AND SALVAGED BY PROPERTY OWNER PRIOR TO CONSTRUCTION

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CC-D	CONCRETE CURB TYPE D
ASPH-P	ASPHALTIC PATH, HMA PAVEMENT TYPE E-0.3	CG-24	CONCRETE CURB AND GUTTER 24-INCH
CD-7	CONCRETE DRIVEWAY HES 7-INCH	CG-24(R)	CONCRETE CURB AND GUTTER 24-INCH (REVERSED SLOPED-0.5%)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-18A	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CS-7	CONCRETE SIDEWALK HES 7-INCH	CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
	CURB RAMP, TYPE X	CG-18D(R)	CONCRETE CURB AND GUTTER 18-INCH TYPE D (REVERSE SLOPED)
	TRAFFIC FLOW	G-18D	CONCRETE GUTTER 18-INCH HES TYPE D
	PROPOSED INLET	CG-30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD	ASPH-5.5	5½" HMA PAVEMENT TYPE E-3
	DRAINAGE FLOW ARROW	ASPH-4.5	4½" HMA PAVEMENT TYPE E-3
	PARKING LOT EMULSION SEALCOAT	CONC-8	CONCRETE PAVEMENT 8-INCH
	SAWING ASPHALT	CONC-8.5	CONCRETE PAVEMENT 8½-INCH
XXXXX	SAWING CONCRETE		
	STAMPED CONCRETE SIDEWALK 4-INCH/ COLORING CONCRETE MONONA DRIVE RED		

NOTES:

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

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 70	E

MAINLINE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
59+00.00	32.72'RT	897.28	31.29'LT	897.36
59+25.00	33.21'RT	897.42	30.80'LT	897.48
59+50.00	33.84'RT	897.49	30.19'LT	897.57
59+75.00	34.48'RT	897.49	29.54'LT	897.60
60+00.00	35.04'RT	897.44	28.97'LT	897.56
60+25.00	35.52'RT	897.33	28.49'LT	897.46
60+50.00	35.92'RT	897.15	28.08'LT	897.29
60+75.00	36.24'RT	896.98	27.76'LT	897.12
61+00.00	36.48'RT	896.79	27.52'LT	896.94
61+25.00	36.73'RT	896.51	27.27'LT	896.67
61+50.00	36.87'RT	896.09	27.13'LT	896.25
61+75.00	36.30'RT	895.61	27.20'LT	895.76
62+00.00	36.52'RT	895.06	27.48'LT	895.22
62+25.00	35.61'RT	894.46	27.88'LT	894.60
62+50.00	35.71'RT	893.79	28.29'LT	893.93
62+75.00	35.31'RT	893.06	28.69'LT	893.13
63+00.00	34.91'RT	892.27	29.09'LT	892.26
63+25.00	34.75'RT	891.42	29.17'LT	891.34
63+50.00	34.75'RT	890.55	29.25'LT	890.40
63+75.00	34.75'RT	889.68	29.25'LT	889.54
64+00.00	34.75'RT	888.77	29.25'LT	888.68
64+25.00	34.75'RT	887.87	29.25'LT	887.88
64+50.00	34.75'RT	887.05	29.25'LT	887.18
64+75.00	34.75'RT	886.42	29.25'LT	886.55
65+00.00	34.75'RT	885.88	29.25'LT	886.01
65+25.00	34.75'RT	885.42	29.25'LT	885.55
65+50.00	34.75'RT	885.04	29.25'LT	885.17
65+75.00	34.75'RT	884.75	29.25'LT	884.88
66+00.00	34.75'RT	884.54	29.25'LT	884.68
66+25.00	34.75'RT	884.41	29.25'LT	884.55
66+50.00	34.75'RT	884.37	29.25'LT	884.51
66+75.00	34.75'RT	884.41	29.25'LT	884.55
67+00.00	34.75'RT	884.53	29.25'LT	884.68
67+25.00	34.75'RT	884.74	29.25'LT	884.89
67+50.00	34.75'RT	885.03	29.25'LT	885.18
67+75.00	34.75'RT	885.40	29.25'LT	885.55
68+00.00	34.75'RT	885.86	29.25'LT	886.01
68+25.00	34.75'RT	886.38	29.25'LT	886.54
68+50.00	34.75'RT	886.92	29.25'LT	887.08
68+75.00	34.75'RT	887.45	29.25'LT	887.61
69+00.00	34.75'RT	887.98	29.25'LT	888.14
69+25.00	34.75'RT	888.51	29.25'LT	888.68
69+50.00	34.75'RT	889.05	29.25'LT	889.21
69+75.00	34.75'RT	889.58	29.25'LT	889.75
70+00.00	34.75'RT	890.11	29.25'LT	890.28
70+25.00	34.75'RT	890.64	29.25'LT	890.82
70+50.00	34.75'RT	891.17	29.25'LT	891.35
70+75.00	34.75'RT	891.65	29.25'LT	891.82
71+00.00	34.75'RT	892.04	29.25'LT	892.21
71+25.00	34.75'RT	892.36	29.25'LT	892.51
71+50.00	34.75'RT	892.59	29.25'LT	892.72
71+75.00	34.75'RT	892.77	29.25'LT	892.88
72+00.00	34.75'RT	892.94	29.25'LT	893.03
72+25.00	34.75'RT	893.12	29.25'LT	893.18
72+50.00	34.75'RT	893.29	29.25'LT	893.34
72+75.00	34.75'RT	893.47	29.25'LT	893.49
73+00.00	34.75'RT	893.64	29.25'LT	893.64
73+25.00	34.75'RT	893.82	29.25'LT	893.80
73+50.00	34.75'RT	893.99	29.25'LT	893.95
73+75.00	34.75'RT	894.17	29.25'LT	894.10
74+00.00	34.75'RT	894.34	29.25'LT	894.25
74+25.00	34.75'RT	894.52	29.25'LT	894.41
74+50.00	34.75'RT	894.69	29.25'LT	894.56
74+75.00	34.75'RT	894.87	29.25'LT	894.71
75+00.00	34.75'RT	895.04	29.25'LT	894.87
75+25.00	34.75'RT	895.23	29.25'LT	895.03
75+50.00	34.75'RT	895.45	29.25'LT	895.24
75+75.00	34.75'RT	895.69	29.25'LT	895.48
76+00.00	34.75'RT	895.96	29.25'LT	895.75
76+25.00	34.75'RT	896.26	29.25'LT	896.05
76+50.00	34.75'RT	896.54	29.25'LT	896.35
76+75.00	34.75'RT	896.72	29.25'LT	896.63
77+00.00	34.75'RT	896.79	29.25'LT	896.79

MAINLINE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
77+25.00	34.75'RT	896.75	29.25'LT	896.85
77+50.00	34.75'RT	896.61	29.25'LT	896.79
77+75.00	34.75'RT	896.43	29.25'LT	896.63
78+00.00	34.75'RT	896.26	29.25'LT	896.45
78+25.00	34.75'RT	896.09	29.25'LT	896.28
78+50.00	34.75'RT	895.91	29.25'LT	896.10
78+75.00	34.75'RT	895.74	29.25'LT	895.93
79+00.00	34.75'RT	895.56	29.25'LT	895.75
79+25.00	34.75'RT	895.40	29.25'LT	895.58
79+50.00	34.75'RT	895.30	29.25'LT	895.48
79+75.00	34.75'RT	895.30	29.25'LT	895.47
80+00.00	34.75'RT	895.40	29.25'LT	895.55
80+25.00	34.75'RT	895.60	29.25'LT	895.72
80+50.00	34.75'RT	895.83	29.25'LT	895.93
80+75.00	34.75'RT	896.07	29.25'LT	896.14
81+00.00	34.75'RT	896.30	29.25'LT	896.87
81+25.00	34.75'RT	896.54	29.25'LT	896.56
81+50.00	34.75'RT	896.78	29.25'LT	896.76
81+75.00	34.75'RT	897.01	29.25'LT	896.97
82+00.00	34.75'RT	897.25	29.25'LT	897.18
82+25.00	34.75'RT	897.48	29.25'LT	897.39
82+50.00	34.75'RT	897.72	29.25'LT	897.60
82+75.00	34.75'RT	897.95	29.25'LT	897.81
83+00.00	34.75'RT	898.15	29.25'LT	897.98
83+25.00	34.75'RT	898.23	29.25'LT	898.04
83+50.00	34.75'RT	898.20	29.25'LT	898.01
83+75.00	34.75'RT	898.07	29.25'LT	897.88
84+00.00	34.75'RT	897.86	29.25'LT	897.67
84+25.00	34.75'RT	897.64	29.25'LT	897.45
84+50.00	34.75'RT	897.42	29.25'LT	897.24
84+75.00	34.75'RT	897.20	29.25'LT	897.02
85+00.00	34.75'RT	896.98	29.25'LT	896.81
85+25.00	35.75'RT	896.76	29.25'LT	896.59
85+50.00	34.70'RT	896.54	29.32'LT	896.38
85+75.00	33.78'RT	896.32	30.32'LT	896.16
86+00.00	32.36'RT	896.10	31.69'LT	895.95
86+25.00	32.00'RT	895.88	32.00'LT	895.73
86+50.00	32.00'RT	895.72	32.00'LT	895.52
86+75.00	32.00'RT	895.57	32.00'LT	895.30
87+00.00	32.00'RT	895.41	32.00'LT	895.16
87+25.00	32.00'RT	895.26	32.00'LT	895.01
87+50.00	32.00'RT	895.04	32.00'LT	894.79
87+75.00	32.00'RT	894.84	32.00'LT	894.60
88+00.00	32.00'RT	894.67	32.00'LT	894.44
88+25.00	32.00'RT	894.51	32.00'LT	894.30
88+50.00	32.00'RT	894.37	32.00'LT	894.19
88+75.00	32.00'RT	894.26	32.00'LT	894.11
89+00.00	32.00'RT	894.19	32.00'LT	894.10
89+25.00	31.98'RT	894.21	32.00'LT	894.15
89+50.00	31.18'RT	894.29	31.60'LT	894.24
89+75.00	29.55'RT	894.41	30.15'LT	894.38
90+00.00	27.89'RT	894.57	28.48'LT	894.55
90+25.00	26.41'RT	894.77	26.84'LT	894.76
90+50.00	26.00'RT	895.01	26.02'LT	895.01
90+75.00	26.00'RT	895.31	26.00'LT	895.31
91+00.00	26.00'RT	895.64	26.00'LT	895.64
91+25.00	26.00'RT	896.02	26.00'LT	896.02
91+50.00	26.00'RT	896.43	26.00'LT	896.43
91+75.00	26.00'RT	896.89	26.00'LT	896.89
92+00.00	26.00'RT	897.38	26.00'LT	897.38
92+25.00	26.00'RT	897.89	26.00'LT	897.89
92+50.00	26.00'RT	898.39	26.00'LT	898.39
92+75.00	26.02'RT	898.89	26.00'LT	898.89
93+00.00	26.87'RT	899.42	26.00'LT	899.39
93+25.00	28.51'RT	899.94	26.00'LT	899.89
93+50.00	30.18'RT	900.47	26.00'LT	900.39
93+75.00	31.85'RT	900.99	26.00'LT	900.89
94+00.00	33.51'RT	901.52	26.00'LT	901.40
94+25.00	35.18'RT	902.04	26.00'LT	901.90
94+50.00	36.85'RT	902.57	26.00'LT	902.40
94+75.00	37.90'RT	903.09	26.00'LT	902.90
95+00.00	38.00'RT	903.60	26.00'LT	903.40
95+25.00	38.00'RT	904.05	26.00'LT	903.85

MAINLINE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
95+50.00	38.00'RT	904.43	26.00'LT	904.23
95+75.00	38.00'RT	904.73	26.00'LT	904.54
96+00.00	38.00'RT	904.97	26.00'LT	904.78
96+25.00	38.00'RT	905.13	26.00'LT	904.95
96+50.00	38.00'RT	905.22	26.00'LT	905.15
96+75.00	38.00'RT	905.24	26.00'LT	905.30
97+00.00	38.00'RT	905.19	26.00'LT	905.18
97+25.00	38.00'RT	905.07	26.00'LT	904.93
97+50.00	38.00'RT	904.88	26.00'LT	904.72
97+75.00	38.00'RT	904.61	26.00'LT	904.45
98+00.00	38.00'RT	904.28	26.00'LT	904.12
98+25.00	38.00'RT	903.87	26.00'LT	903.72
98+50.00	38.00'RT	903.40	26.00'LT	903.25
98+75.00	38.00'RT	902.85	26.00'LT	902.70
99+00.00	38.00'RT	902.23	26.00'LT	902.09
99+25.00	38.00'RT	901.54	26.00'LT	901.40
99+50.00	38.00'RT	900.78	26.00'LT	900.67
99+75.00	38.00'RT	899.95	26.00'LT	899.90
100+00.00	38.00'RT	899.07	26.00'LT	899.07
100+25.00	38.00'RT	898.16	26.00'LT	898.16
100+50.00	38.00'RT	897.16	26.00'LT	897.16
100+75.00	38.00'RT	896.04	26.00'LT	896.04
101+00.00	38.00'RT	894.86	26.00'LT	894.86
101+25.00	38.00'RT	893.60	26.00'LT	893.60
101+50.00	38.00'RT	892.25	26.00'LT	892.26
101+75.00	38.00'RT	890.91	26.00'LT	890.94
102+00.00	38.00'RT	889.72	26.00'LT	889.73
102+25.00	38.00'RT	888.65	26.00'LT	888.61
102+50.00	38.00'RT	887.67	26.00'LT	887.64
102+75.00	38.00'RT	886.80	26.00'LT	886.79
103+00.00	37.96'RT	886.03	26.00'LT	886.02
103+25.00	37.52'RT	885.37	26.00'LT	885.36
103+50.00	36.56'RT	884.80	26.00'LT	884.79
103+75.00	35.09'RT	884.25	26.00'LT	884.24
104+00.00	33.43'RT	883.70	26.00'LT	883.68
104+25.00	31.76'RT	883.15	26.00'LT	883.13
104+50.00	30.09'RT	882.60	26.00'LT	882.58
104+75.00	28.43'RT	882.05	26.00'LT	882.03
105+00.00	27.10'RT	881.49	26.00'LT	881.47
105+25.00	26.29'RT	880.94	26.00'LT	880.92
105+50.00	26.00'RT	880.39	26.00'LT	880.39
105+75.00	26.00'RT	879.90	26.00'LT	879.90
106+00.00	26.00'RT	879.46	26.00'LT	879.46
106+25.00	26.00'RT	879.05	26.00'LT	879.05
106+50.00	26.00'RT	878.69	26.00'LT	878.69
106+75.00	26.00'RT	878.37	26.00'LT	878.37
107+00.00	26.00'RT	878.10	26.00'LT	878.10
107+25.00	26.00'RT	877.87	26.00'LT	877.87
107+50.00	26.00'RT	877.67	26.00'LT	877.67
107+75.00	26.00'RT	877.51	26.00'LT	877.51
108+00.00	26.00'RT	877.35	26.00'LT	877.35
108+25.00	26.00'RT	877.19	26.00'LT	877.19
108+50.00	26.00'RT	877.03	26.00'LT	877.03
108+75.00	26.00'RT	876.87	26.00'LT	876.87
109+00.00	26.00'RT	876.71	26.00'LT	876.71
109+25.00	26.00'RT	876.54	26.00'LT	876.55
109+50.00	26.00'RT	876.39	26.00'LT	876.39
109+75.00	26.00'RT	876.23	26.00'LT	876.23
110+00.00	26.00'RT	876.07	26.00'LT	876.07
110+25.00	26.00'RT	875.91	26.00'LT	875.91
110+50.00	26.00'RT	875.75	26.00'LT	875.75
110+75.00	26.00'RT	875.57	26.00'LT	875.57
111+00.00	26.00'RT	875.34	26.00'LT	875.34

NICHOLS / PFLAUM ROAD PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
9+25.00 N	19.94'RT	893.96	23.18'LT	892.89
11+00.00 N	26.20'RT	896.26	20.00'LT	895.83
11+25.00 N	26.67'RT	896.39	20.00'LT	896.14
11+50.00 N	22.00'RT	896.57	20.00'LT	896.44
11+75.00 N	22.00'RT	896.72	20.00'LT	896.75
12+00.00 N	22.00'RT	896.88	20.00'LT	896.97

ST. TERESA TERRACE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
9+25.00 ST	14.00'RT	892.61	14.00'LT	892.83

DEAN AVENUE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
7+50.00 D	16.00'RT	888.15	16.00'LT	888.15
7+75.00 D	16.00'RT	888.86	16.00'LT	888.86
8+00.00 D	16.00'RT	889.57	16.00'LT	889.57
8+25.00 D	16.00'RT	890.28	16.00'LT	890.28
8+50.00 D	16.00'RT	890.99	16.00'LT	890.99
8+75.00 D	16.00'RT	891.70	16.00'LT	891.70
9+00.00 D	16.00'RT	892.45	16.00'LT	892.42
9+25.00 D	16.00'RT	893.31	17.79'LT	893.09
10+75.00 D	18.89'RT	894.82	16.00'LT	894.79
11+00.00 D	17.82'RT	894.91	16.00'LT	895.03
11+25.00 D	16.75'RT	895.17	16.00'LT	895.35
11+50.00 D	16.00'RT	895.50	16.00'LT	895.66
11+75.00 D	16.00'RT	895.81	16.00'LT	895.97
12+00.00 D	16.00'RT	896.05	16.00'LT	896.21
12+25.00 D	18.80'RT	896.17	19.05'LT	896.40
12+50.00 D	19.66'RT	896.32	19.76'LT	896.60

SPRINGHAVEN AVENUE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
9+50.00 S	11.00'RT	897.59	17.75'LT	897.92

COLDSPRING WEST AVENUE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
8+75.00 CW	14.00'RT	896.62	14.00'LT	896.41
9+00.00 CW	14.00'RT	896.53	14.00'LT	896.04
9+25.00 CW	14.00'RT	896.45	14.00'LT	895.68

COLDSPRING EAST AVENUE PAVING GRADES

STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
10+75.00 CE	18.00'RT	894.82	18.00'LT	893.35
11+00.00 CE	18.00'RT	893.80	18.00'LT	892.48
11+25.00 CE	18.00'RT	892.95	18.00'LT	891.78
11+50.00 CE	18.00'RT	892.27	18.00'LT	891.25

PARKWAY STREET PAVING GRADES

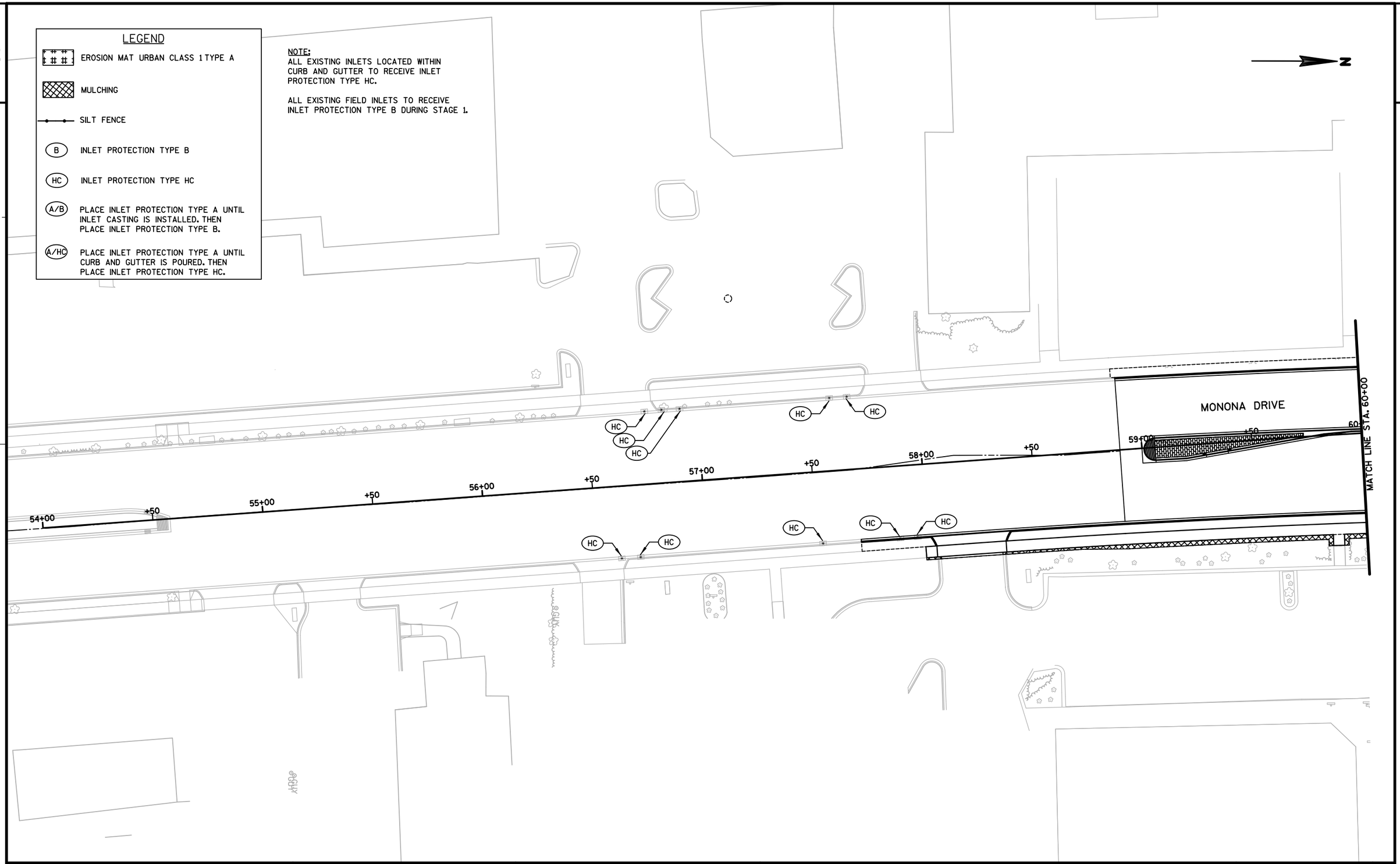
STATION	OFFSET	OUTSIDE EDGE OF PAVEMENT	OFFSET	OUTSIDE EDGLE OF PAVEMENT
9+25.00 P	13.71'RT	876.47	13.54'LT	876.39

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- (B) INLET PROTECTION TYPE B
- (HC) INLET PROTECTION TYPE HC
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- (A/HC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.



2

NEXT INLET DOWNSTREAM

HC

NICHOLS RD.

N 00+50

N 00+61

ROCK BAGS REQUIRED AT INLET SIDE OF STORM SEWER PIPE. (SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION)

A/HC

MATCH LINE STA. 60+00

61+00

62+00

63+00

64+00

65+00

MATCH LINE STA. 66+00

MONONA DRIVE

A/B

N 00+11

PFLAUM RD.

N 12+00

NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

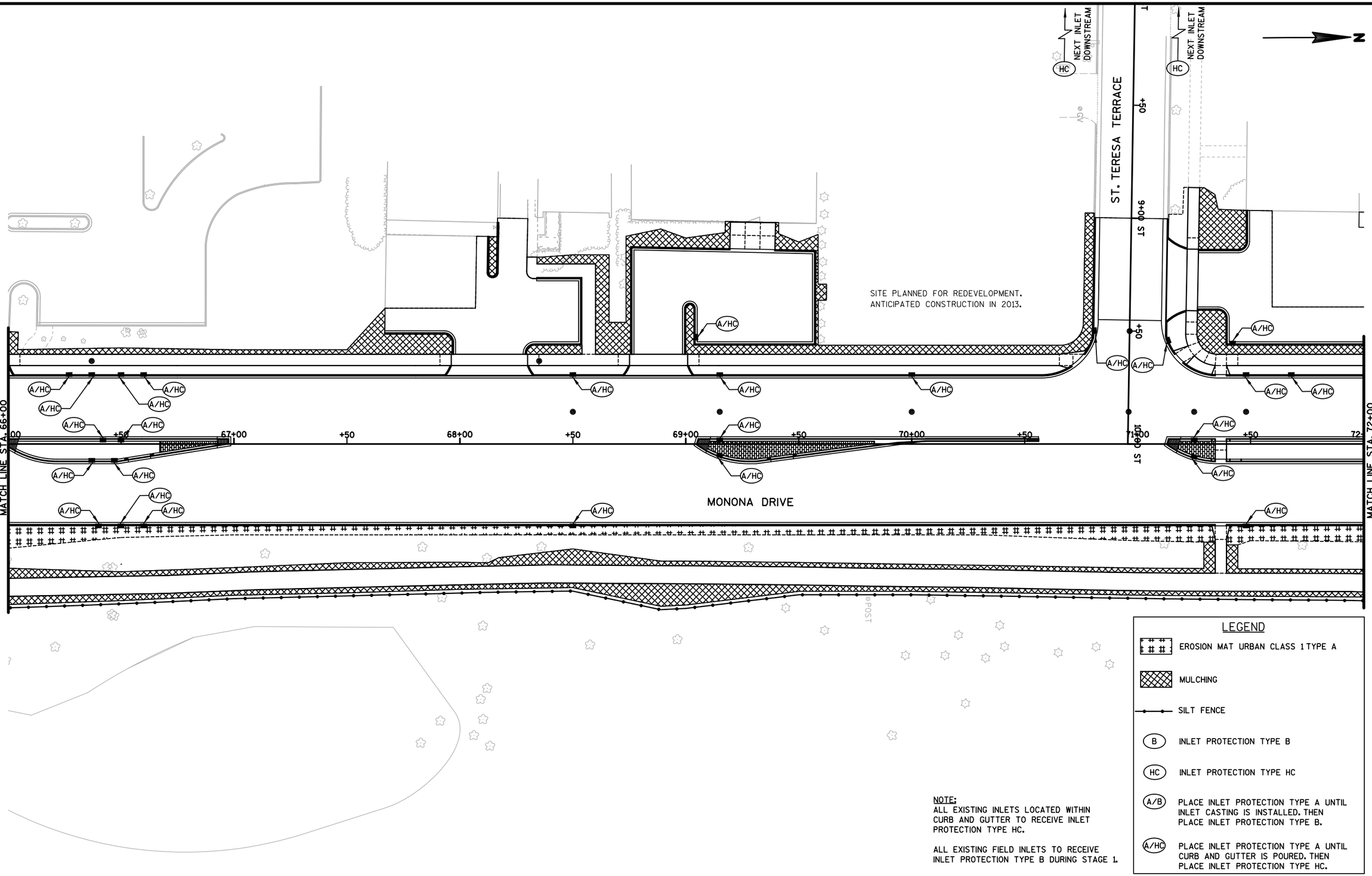
ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- (B) INLET PROTECTION TYPE B
- (HC) INLET PROTECTION TYPE HC
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- (A/HC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\022002_ec.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- (B) INLET PROTECTION TYPE B
- (HC) INLET PROTECTION TYPE HC
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- (A/HC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\022003_ec.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

MATCH LINE STA. 72+00

MATCH LINE STA. 78+00

73+00 +50 74+00 +50 75+00 +50 76+00 +50 77+00 +50

MONONA DRIVE

A/HC

A/B

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- B — INLET PROTECTION TYPE B
- HC — INLET PROTECTION TYPE HC
- A/B — PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- A/HC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 75	E

2

N

SITE PLANNED FOR REDEVELOPMENT.
ANTICIPATED CONSTRUCTION IN 2013.

MATCH LINE STA. 78+00

MATCH LINE STA. 84+00

79+00 +50 80+00 +50 81+00 +50 82+00 +50 83+00 +50

MONONA DRIVE

A/HC

B

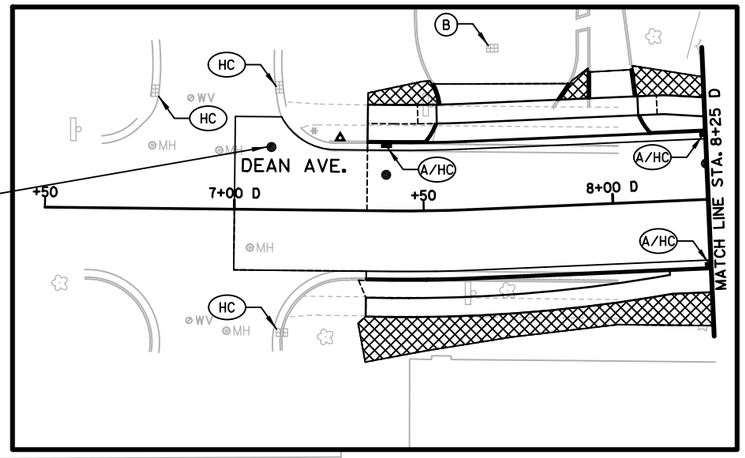
LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- B — INLET PROTECTION TYPE B
- HC — INLET PROTECTION TYPE HC
- A/B — PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- A/HC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 76	E



ROCK BAGS REQUIRED AT INLET SIDE OF STORM SEWER PIPE. (SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION)

MATCH LINE STA. 8+25 D

DEAN AVE.

9+00 D

MATCH LINE STA. 84+00

MONONA DRIVE

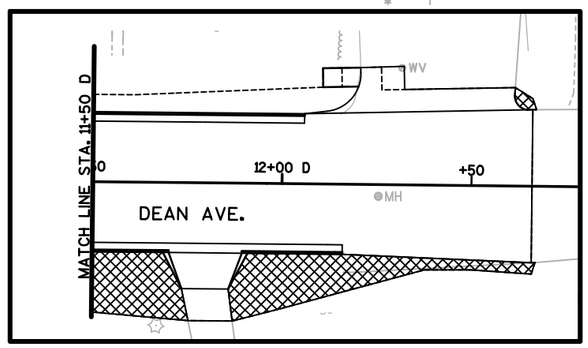
MATCH LINE STA. 90+00

10+00 D

11+00 D

MATCH LINE STA. 11+50 D

FOR PROTECTION OF EXISTING BIORETENTION BASIN



LEGEND

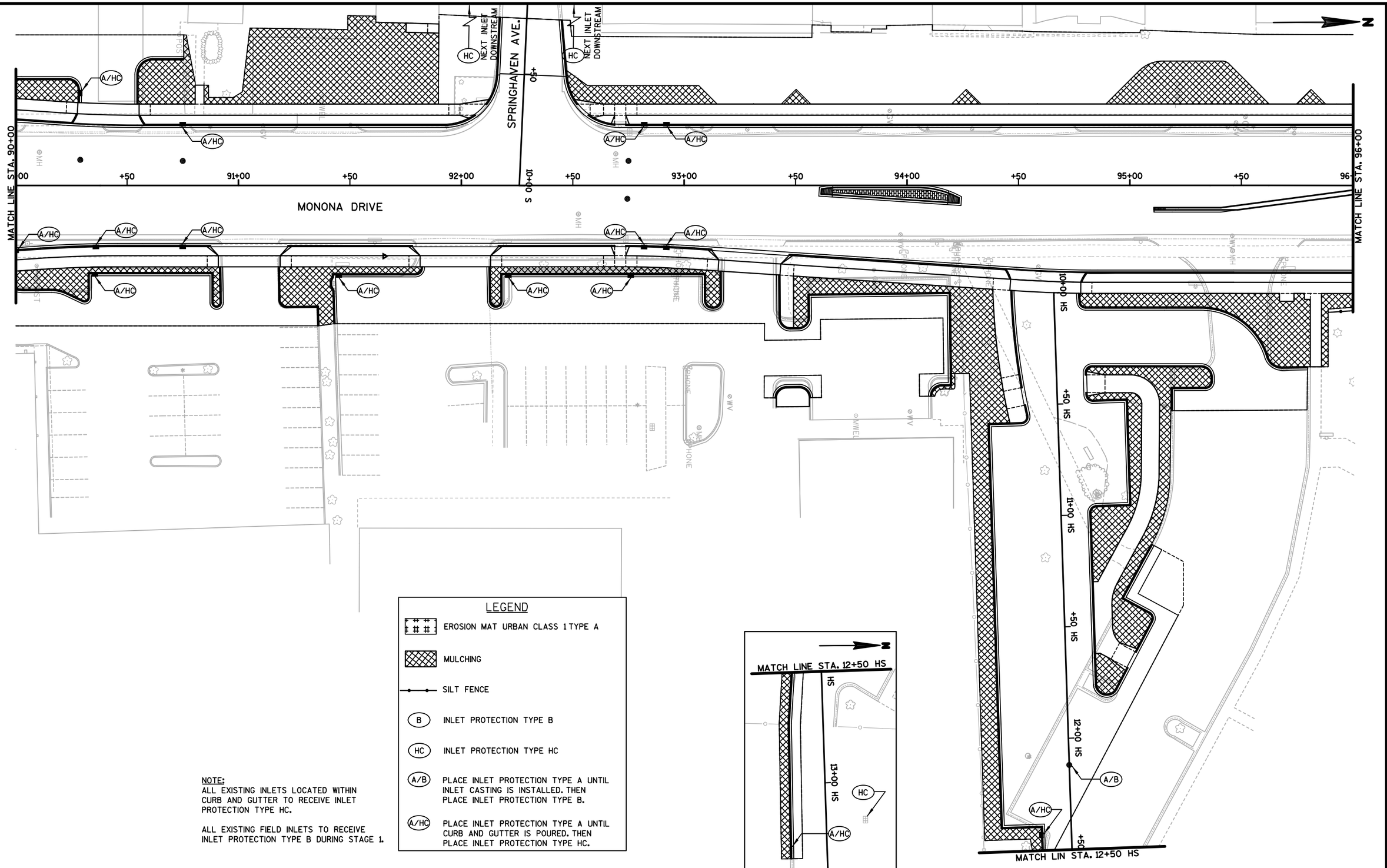
- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- (B) INLET PROTECTION TYPE B
- (HC) INLET PROTECTION TYPE HC
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- (A/HC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 77	E

2



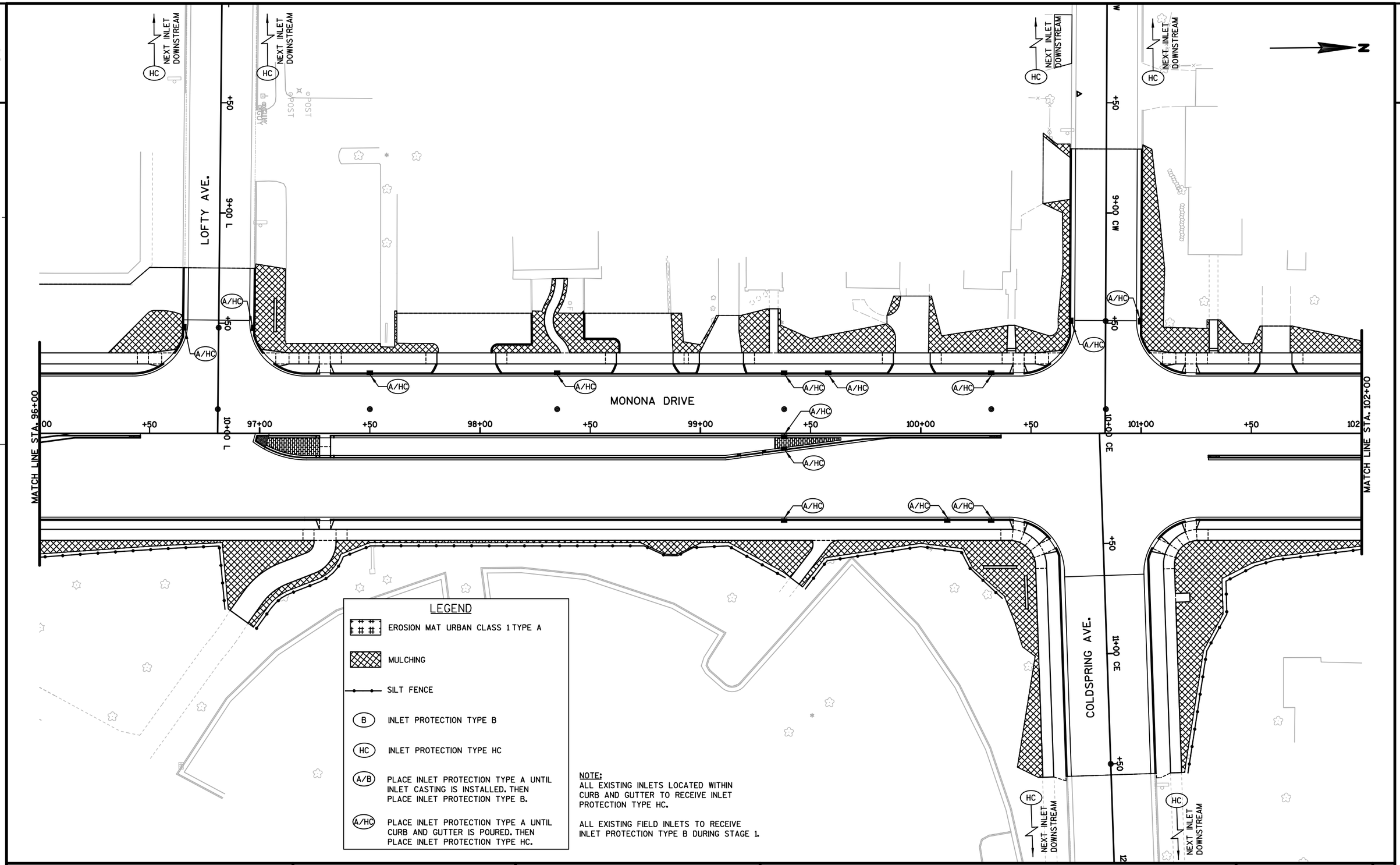
LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- (B) INLET PROTECTION TYPE B
- (HC) INLET PROTECTION TYPE HC
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- (A/HC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 78	E



LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- (B) INLET PROTECTION TYPE B
- (HC) INLET PROTECTION TYPE HC
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- (A/HC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

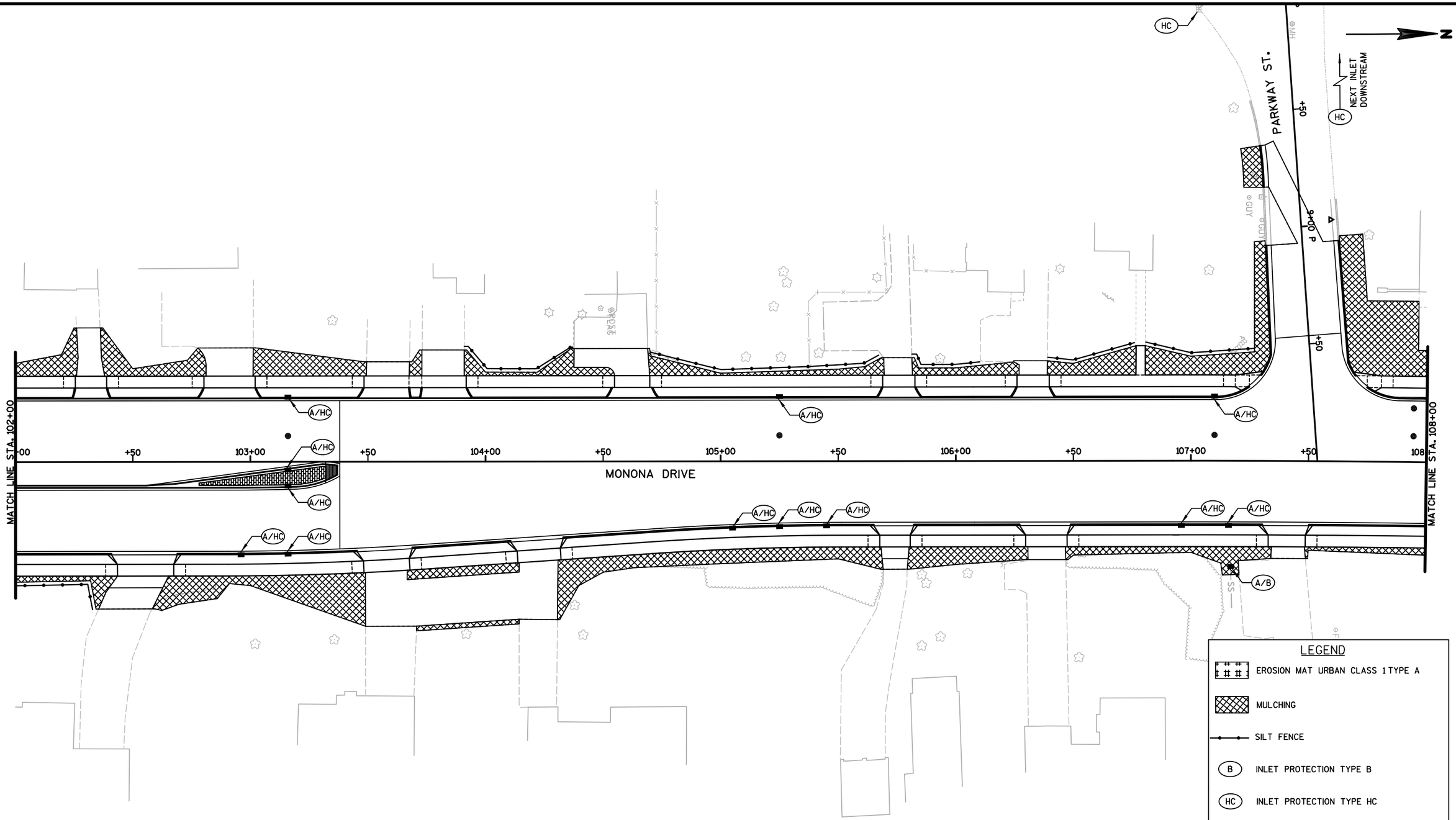
NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\022008_ec.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET 80	E

2

N

WINNEQUAH RD.

ROCK BAGS REQUIRED AT INLET SIDE OF STORM SEWER PIPE. (SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION)

HC

HC

HC

NEXT INLET DOWNSTREAM

B

A/HC

A/HC

MATCH LINE STA. 108+00

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+

MONONA DRIVE

A/HC

A/HC

HC

HC

HC

HC

NEXT INLET DOWNSTREAM

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- MULCHING
- SILT FENCE
- (B) INLET PROTECTION TYPE B
- (HC) INLET PROTECTION TYPE HC
- (A/B) PLACE INLET PROTECTION TYPE A UNTIL INLET CASTING IS INSTALLED. THEN PLACE INLET PROTECTION TYPE B.
- (A/HC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE HC.

NOTE:
ALL EXISTING INLETS LOCATED WITHIN CURB AND GUTTER TO RECEIVE INLET PROTECTION TYPE HC.

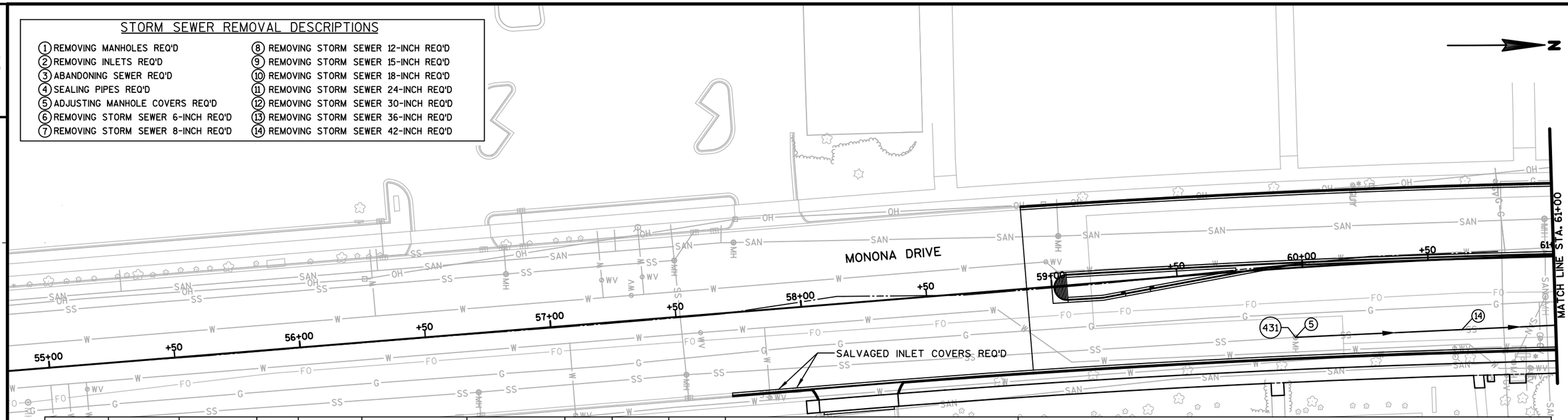
ALL EXISTING FIELD INLETS TO RECEIVE INLET PROTECTION TYPE B DURING STAGE 1.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EROSION CONTROL	SHEET	E

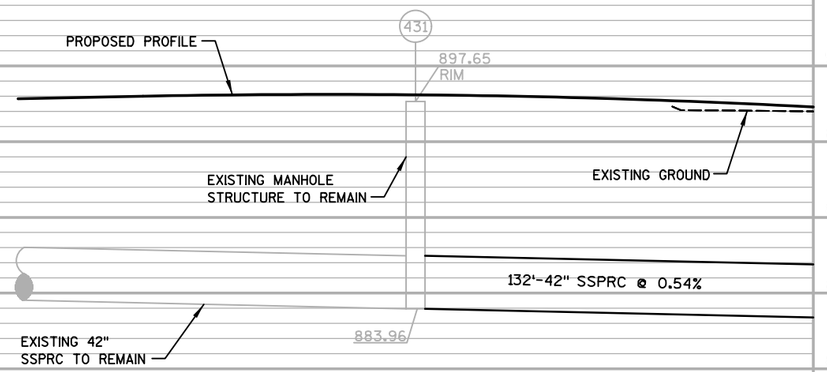
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STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
4. SEALING PIPES REQ'D
5. ADJUSTING MANHOLE COVERS REQ'D
6. REMOVING STORM SEWER 6-INCH REQ'D
7. REMOVING STORM SEWER 8-INCH REQ'D
8. REMOVING STORM SEWER 12-INCH REQ'D
9. REMOVING STORM SEWER 15-INCH REQ'D
10. REMOVING STORM SEWER 18-INCH REQ'D
11. REMOVING STORM SEWER 24-INCH REQ'D
12. REMOVING STORM SEWER 30-INCH REQ'D
13. REMOVING STORM SEWER 36-INCH REQ'D
14. REMOVING STORM SEWER 42-INCH REQ'D



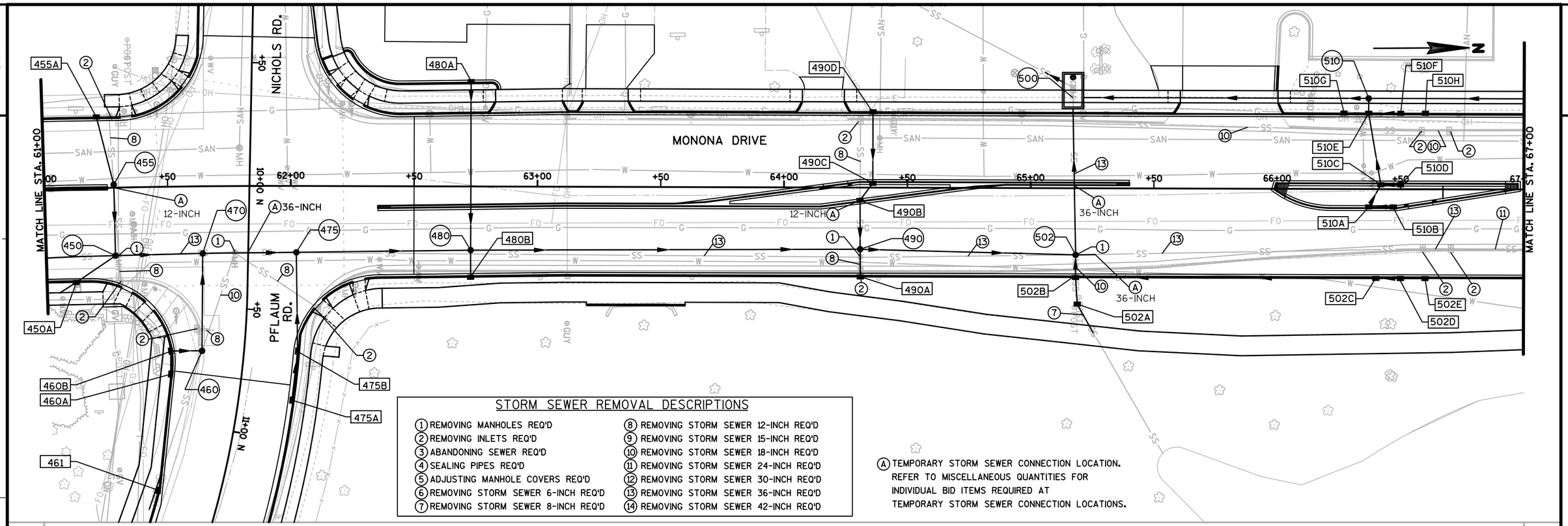
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
431	59+95	27.6' RT	132	450	-- --	----	897.65	896.40	12.44	42	883.96	883.25	132	0.54%	EXISTING MH

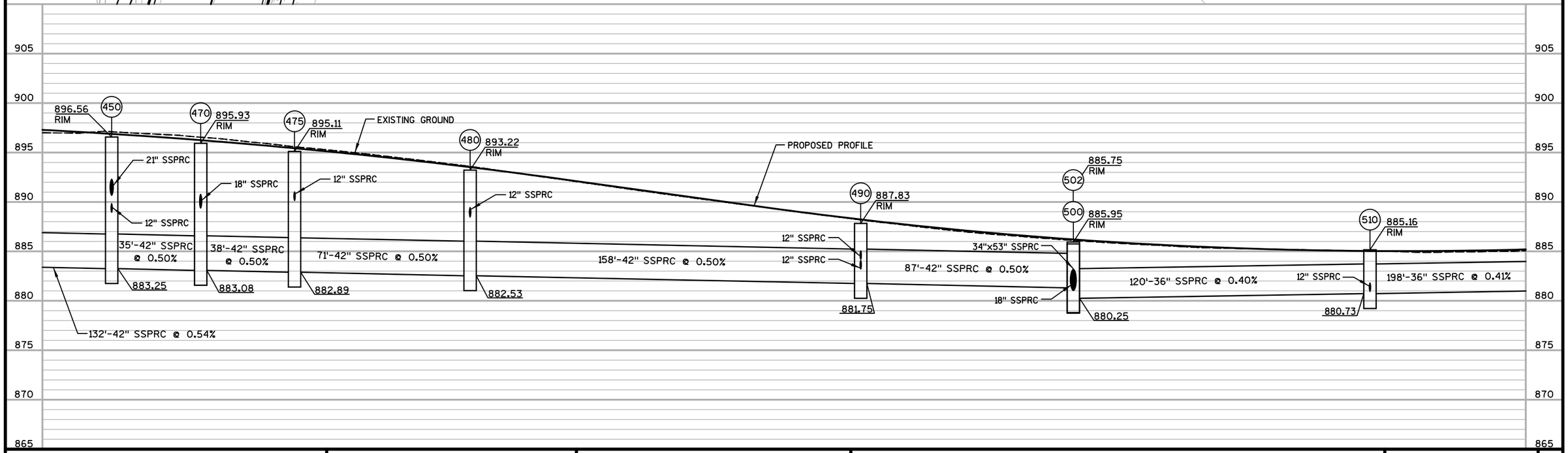


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\022501_ss.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

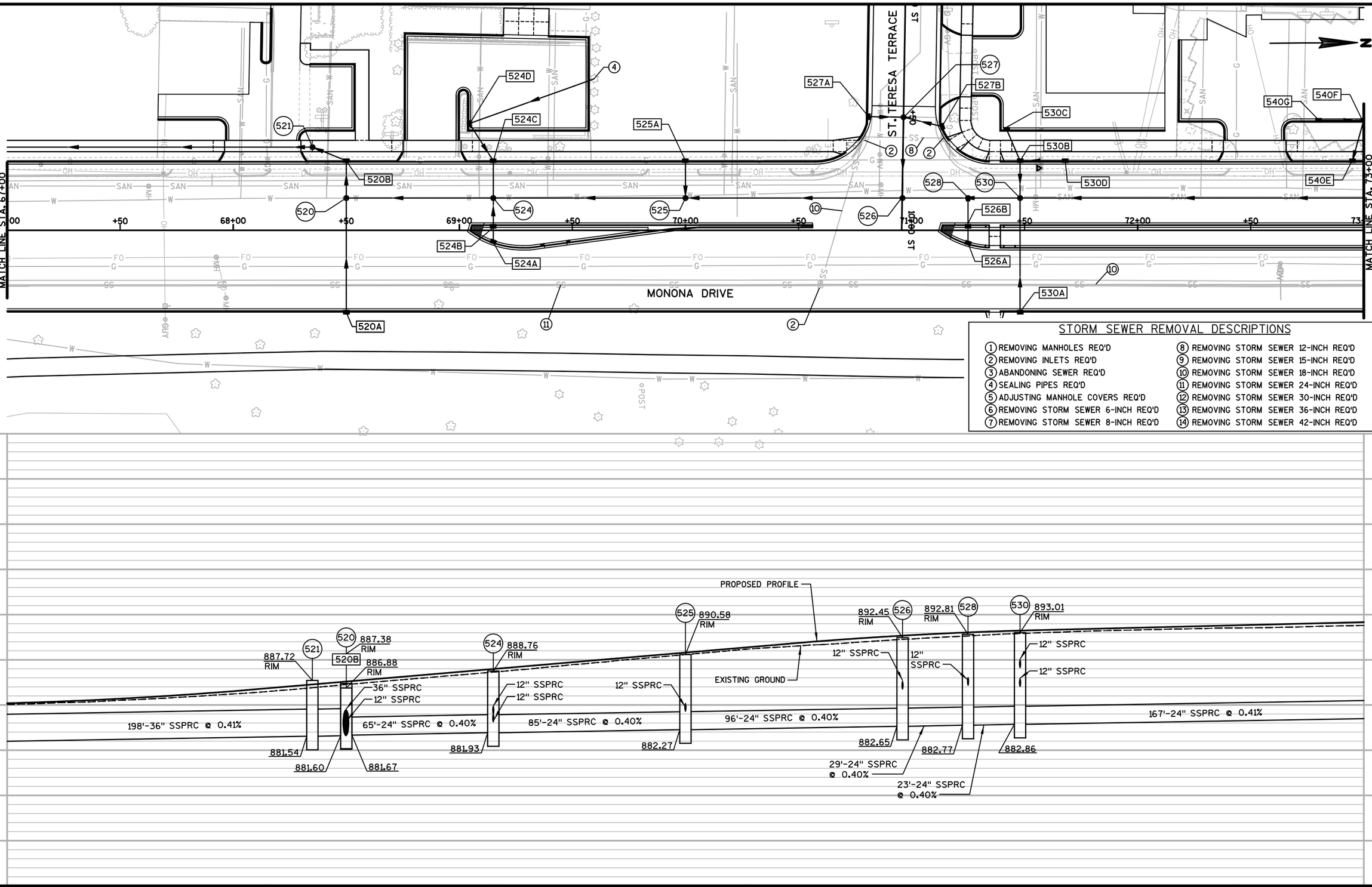
WISDOT/CADDS SHEET 41





PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET 83	E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER		MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
450	61+28	27.6' RT	35	470	--	--	7-FOOT J	896.56	895.31	13.56	42	883.25	883.08	35	0.50%	18-INCH SUMP REQ'D
450A	61+12	38.1' RT	19	450	--	H	4-FOOT --	896.43	895.60	4.61	21	890.99	890.61	19	2.00%	MH W/FLAT TOP AND 2X3 OPENING
EXISTING	61+05	42.2' RT	8	450A	--	--	----	---	---	---	21	893.70	893.54	8	2.00%	CONCRETE COLLARS FOR PIPE REQ'D, EXIST. PIPE LOCATION AND INVERT TO BE FIELD VERIFIED
455	61+28	1.2' LT	8	EXISTING	--	--	----	---	---	---	12	893.29	893.07	8	2.81%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
455	61+28	1.2' LT	29	450	--	--	4-FOOT J	896.88	895.63	6.24	12	889.39	888.23	29	4.00%	18-INCH SUMP REQ'D
455A	61+22	28.8' LT	28	455	2X3-FT	H	----	896.52	895.69	4.43	12	891.26	890.14	28	4.00%	
460	10+69 N	17.0' RT	39	470	--	--	4-FOOT J	896.02	894.77	6.16	18	890.11	889.32	39	2.03%	18-INCH SUMP REQ'D, FLAT SLAP TOP REQ'D
460A	10+80 N	28.6' RT	9	460B	2X3-FT	HS	----	895.97	895.14	4.61	12	890.53	890.34	9	2.11%	
460B	10+70 N	29.6' RT	13	460	2X3-FT	HS	----	895.94	895.11	4.77	12	890.34	890.11	13	1.77%	
461	11+31 N	24.5' RT	8	EXISTING	--	H	6-FOOT --	896.19	895.36	2.73	18	892.63	892.29	8	4.25%	CONCRETE COLLARS FOR PIPE REQ'D, MH W/FLAT TOP AND 2X3 OPENING
EXISTING	11+39 N	26.0' RT	8	461	--	--	----	---	---	---	18	893.87	893.83	8	0.51%	CONCRETE COLLARS FOR PIPE REQ'D
470	61+64	27.3' RT	38	475	--	--	7-FOOT J	895.93	894.68	13.10	42	883.08	882.89	38	0.50%	18-INCH SUMP REQ'D
475	62+02	26.9' RT	71	480	--	--	7-FOOT J	895.11	893.86	12.48	42	882.89	882.53	71	0.50%	18-INCH SUMP REQ'D
475B	10+65 N	21.6' LT	40	475	2X3-FT	H	----	895.22	894.39	3.51	12	890.88	890.08	40	2.00%	TIE IN 2-INCH PVC FROM NORTHEAST
475A	10+84 N	21.5' LT	20	475B	2X3-FT	H	----	895.44	894.61	3.53	12	891.08	890.88	20	1.00%	
480	62+73	25.9' RT	158	490	--	--	7-FOOT J	893.22	891.97	10.94	42	882.53	881.75	158	0.50%	18-INCH SUMP REQ'D
480A	62+73	42.5' LT	68	480	2X3-FT	H	----	893.09	892.26	7.08	12	885.18	884.50	68	1.00%	LOCATED IN PARKING LOT
480B	62+73	36.8' RT	11	480	2X3-FT	H	----	892.92	892.09	3.58	12	888.51	888.40	11	1.00%	
490	64+31	25.0' RT	87	502	--	--	7-FOOT J	887.83	886.58	6.34	42	881.75	881.31	87	0.50%	18-INCH SUMP REQ'D, FLAT SLAP TOP REQ'D
490A	64+31	36.3' RT	11	490	2X3-FT	H	----	887.47	886.64	3.39	12	883.25	883.14	11	1.00%	
EXISTING	64+31	5.1' RT	8	490B	--	--	----	---	---	---	12	884.40	884.29	8	1.38%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
490B	64+31	5.1' RT	20	490	2X3-FT	H	----	887.90	887.07	2.78	12	884.29	884.19	20	0.50%	
490C	64+36	1.8' LT	9	490B	2X3-FT	H	----	887.88	887.05	2.71	12	884.34	884.29	9	0.50%	
490D	64+36	30.8' LT	29	490C	2X3-FT	H	----	887.36	886.53	2.05	12	884.48	884.34	29	0.50%	
500	65+17	36.8' LT	4	EXISTING	--	--	-- J	885.95	884.70	4.45	34X53	880.25	880.20	4	1.25%	SPECIAL STRUCTURE REQ'D
500	65+06	46.9' RT	8	EXISTING	--	--	----	885.95	---	---	36	880.23	880.19	8	0.50%	
502	65+18	27.1' RT	64	500	--	--	9-FOOT J	885.69	884.44	**	34X53	881.31	880.99	64	0.50%	** SEE CONSTRUCTION DETAIL
EXISTING	65+25	26.9' RT	8	502	--	--	----	---	---	---	36	879.27	879.14	8	1.65%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
EXISTING	65+25	58.6' RT	13	502A	--	--	----	---	---	---	8	884.34	884.00	13	2.62%	CONCRETE COLLARS FOR PIPE REQ'D
502A	65+19	47.0' RT	11	502B	MED. 1 GR.	MS	----	884.60	884.60	3.24	18	881.36	881.33	11	0.27%	
502B	65+18	36.2' RT	9	502	--	H	4-FOOT --	885.34	884.51	3.18	18	881.33	881.31	9	0.22%	MH W/FLAT TOP AND 2X3 OPENING
502C	66+40	36.3' RT	122	502B	2X3-FT	HS	----	884.17	883.34	1.76	12	881.58	881.33	122	0.20%	
502D	66+50	36.3' RT	10	502C	2X3-FT	HS	----	884.17	883.33	1.59	12	881.74	881.72	10	0.20%	
502E	66+60	36.3' RT	10	502D	2X3-FT	HS	----	884.17	883.34	1.58	12	881.76	881.74	10	0.20%	
510	66+37	36.8' LT	120	500	--	--	6-FOOT J	885.16	883.91	4.68	36	880.73	880.25	120	0.40%	18-INCH SUMP REQ'D, FLAT SLAP TOP REQ'D
510A	66+37	7.3' RT	10	510C	2X3-FT	HS	----	884.70	883.87	2.22	12	881.65	881.60	10	0.50%	
510B	66+47	7.3' RT	10	510A	2X3-FT	HS	----	884.69	883.86	2.16	12	881.70	881.65	10	0.50%	
510C	66+42	1.8' LT	29	510E	2X3-FT	HS	----	884.83	884.00	2.40	12	881.60	881.02	29	2.00%	
510D	66+50	1.8' LT	8	510C	2X3-FT	HS	----	884.83	884.00	2.35	12	881.65	881.60	8	0.62%	
510E	66+37	30.8' LT	6	510	--	HS	4-FOOT --	884.32	883.49	2.47	12	881.02	880.88	6	2.33%	MH W/FLAT TOP AND 2X3 OPENING
510F	66+50	30.8' LT	13	510E	2X3-FT	HS	----	884.31	883.48	2.41	12	881.07	881.02	13	0.38%	
510G	66+27	30.8' LT	10	510E	2X3-FT	HS	----	884.34	883.51	2.46	12	881.05	881.02	10	0.30%	
510H	66+60	30.8' LT	10	510F	2X3-FT	HS	----	884.32	883.49	2.39	12	881.10	881.07	10	0.30%	



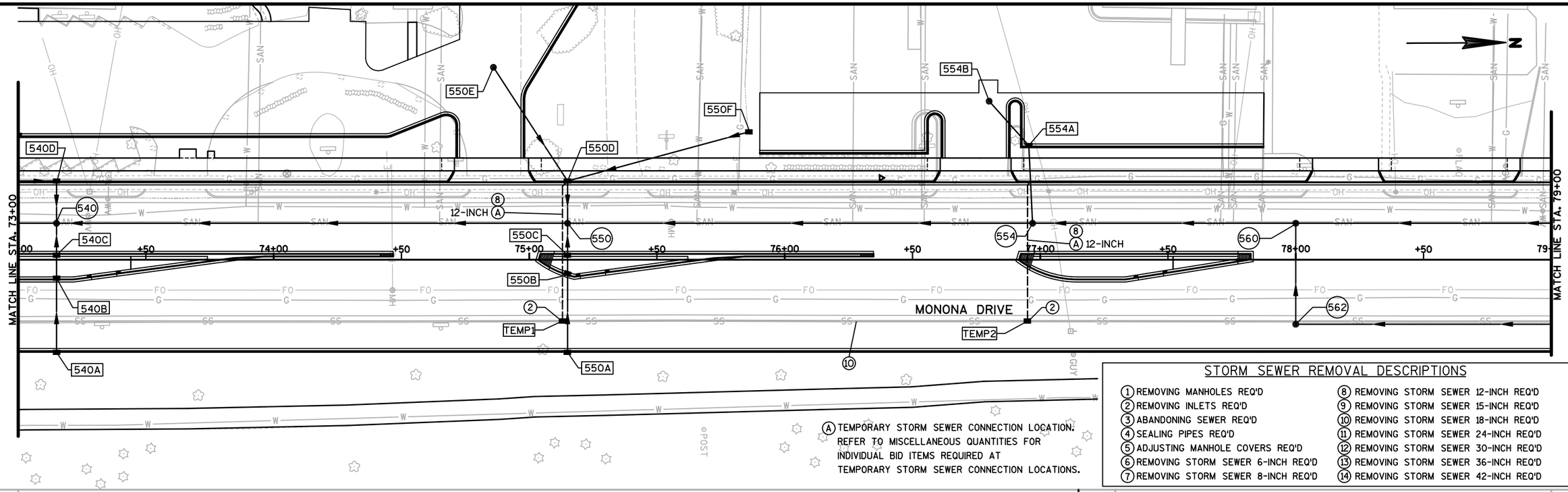
STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
4. SEALING PIPES REQ'D
5. ADJUSTING MANHOLE COVERS REQ'D
6. REMOVING STORM SEWER 6-INCH REQ'D
7. REMOVING STORM SEWER 8-INCH REQ'D
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12. REMOVING STORM SEWER 30-INCH REQ'D
13. REMOVING STORM SEWER 36-INCH REQ'D
14. REMOVING STORM SEWER 42-INCH REQ'D

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET	E

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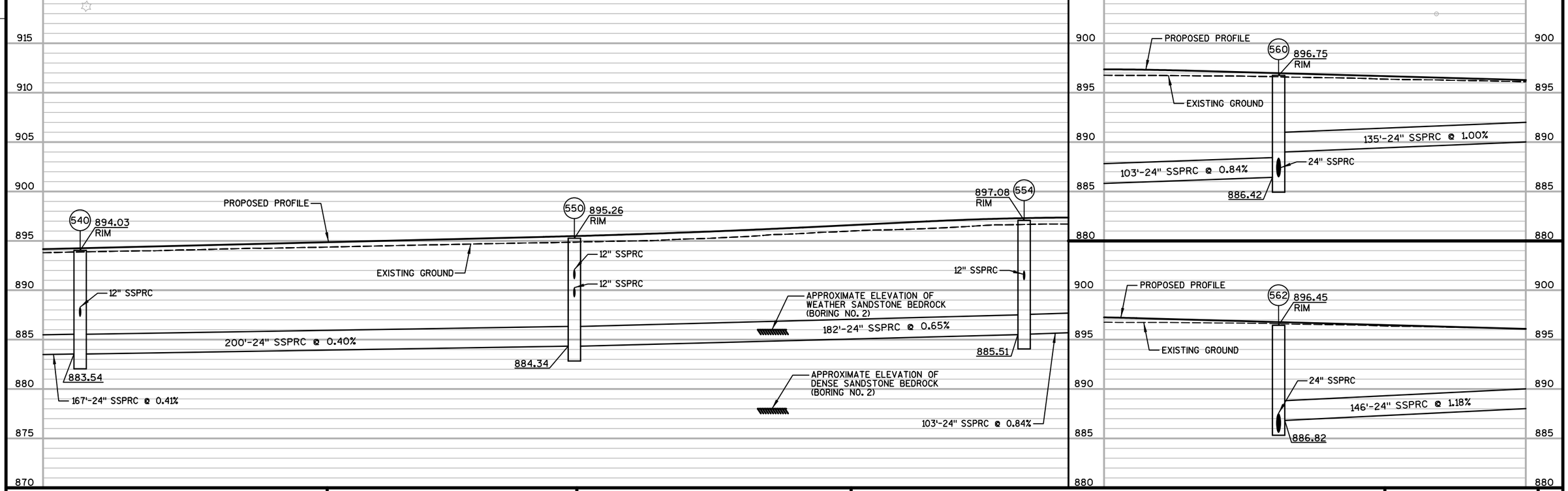
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
520	68+50	14.3' LT	17	520B	-- --	6-FOOT J	887.38	886.13	5.96	36	881.67	881.60	17	0.40%	18-INCH SUMP REQ'D, FLAT SLAP TOP REQ'D
520A	68+50	36.3' RT	50	520	2X3-FT H	----	886.72	885.89	2.34	12	883.55	883.04	50	1.02%	
520B	68+50	30.8' LT	16	521	-- H	4-FOOT --	886.88	886.05	4.44	36	881.60	881.54	16	0.42%	MH W/FLAT TOP AND 2X3 OPENING
521	68+35	36.8' LT	198	510	-- --	4-FOOT J	887.72	886.47	6.43	36	881.54	880.73	198	0.41%	18-INCH SUMP REQ'D
524	69+15	14.2' LT	65	520	-- --	4-FOOT J	888.76	887.51	7.08	24	881.93	881.67	65	0.40%	18-INCH SUMP REQ'D
524A	69+15	5.1' RT	7	524B	2X3-FT H	----	888.70	887.87	4.61	12	883.26	883.19	7	1.00%	
524B	69+15	1.8' LT	12	524	2X3-FT H	----	888.78	887.95	4.76	12	883.19	883.06	12	1.08%	
524C	69+15	30.8' LT	16	524	2X3-FT H	----	888.26	887.43	3.18	12	884.25	883.93	16	2.00%	
STUB	69+59	67.0' LT	59	524D	-- --	----	---	---	---	12	884.94	884.65	59	0.50%	
524D	69+04	47.2' LT	20	524C	2X3-FT H	----	888.84	888.01	3.36	12	884.65	884.25	20	2.00%	LOCATED IN PARKING LOT
525	70+00	14.3' LT	85	524	-- --	4-FOOT J	890.58	889.33	8.56	24	882.27	881.93	85	0.40%	18-INCH SUMP REQ'D
525A	70+00	30.8' LT	17	525	2X3-FT H	----	890.08	889.25	3.58	12	885.67	885.50	17	1.00%	
526	70+96	14.3' LT	96	525	-- --	4-FOOT J	892.45	891.20	10.05	24	882.65	882.27	96	0.40%	18-INCH SUMP REQ'D
526A	71+25	5.6' RT	7	526B	2X3-FT HS	----	892.72	891.89	4.40	12	887.49	887.35	7	2.00%	
526B	71+25	1.8' LT	12	528	2X3-FT HS	----	892.83	892.00	4.65	12	887.35	887.11	12	2.00%	
527	70+96	50.0' LT	36	526	-- --	4-FOOT J	892.46	891.21	5.32	12	887.39	886.68	36	1.97%	18-INCH SUMP REQ'D
527A	70+81	50.2' LT	16	527	2X3-FT H	----	892.03	891.20	3.55	12	887.65	887.34	16	1.94%	
527B	71+14	45.9' LT	18	527	2X3-FT HS	----	892.26	891.43	3.76	12	887.67	887.34	18	1.83%	
528	71+25	14.3' LT	29	526	-- --	4-FOOT J	892.81	891.56	10.29	24	882.77	882.65	29	0.40%	18-INCH SUMP REQ'D
530	71+48	14.3' LT	23	528	-- --	4-FOOT J	893.01	891.76	10.40	24	882.86	882.77	23	0.40%	18-INCH SUMP REQ'D
530A	71+48	36.3' RT	50	530	2X3-FT H	----	892.37	891.54	2.24	12	889.30	889.05	50	0.50%	
530B	71+48	30.8' LT	17	530	-- H	4-FOOT --	892.51	891.68	4.38	12	887.30	886.97	17	1.94%	MH W/FLAT TOP AND 2X3 OPENING
530C	71+42	44.8' LT	15	530B	2X3-FT HS	----	893.28	892.45	4.86	12	887.59	887.30	15	1.93%	
530D	71+68	30.8' LT	20	530B	2X3-FT H	----	892.63	891.80	4.40	12	887.40	887.30	20	0.50%	
540E	72+95	30.8' LT	20	540D	-- H	4-FOOT --	893.41	892.58	4.13	12	888.45	888.35	20	0.50%	MH W/FLAT TOP AND 2X3 OPENING
540F	73+00	48.6' LT	19	540E	-- H	4-FOOT --	893.41	892.58	2.61	12	889.97	888.45	19	8.00%	MH W/FLAT TOP AND 2X3 OPENING
540G	72+80	48.6' LT	20	540F	2X3-FT H	----	893.34	892.51	2.44	12	890.07	889.97	20	0.50%	LOCATED IN PARKING LOT



Ⓐ TEMPORARY STORM SEWER CONNECTION LOCATION. REFER TO MISCELLANEOUS QUANTITIES FOR INDIVIDUAL BID ITEMS REQUIRED AT TEMPORARY STORM SEWER CONNECTION LOCATIONS.

STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
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12. REMOVING STORM SEWER 30-INCH REQ'D
13. REMOVING STORM SEWER 36-INCH REQ'D
14. REMOVING STORM SEWER 42-INCH REQ'D



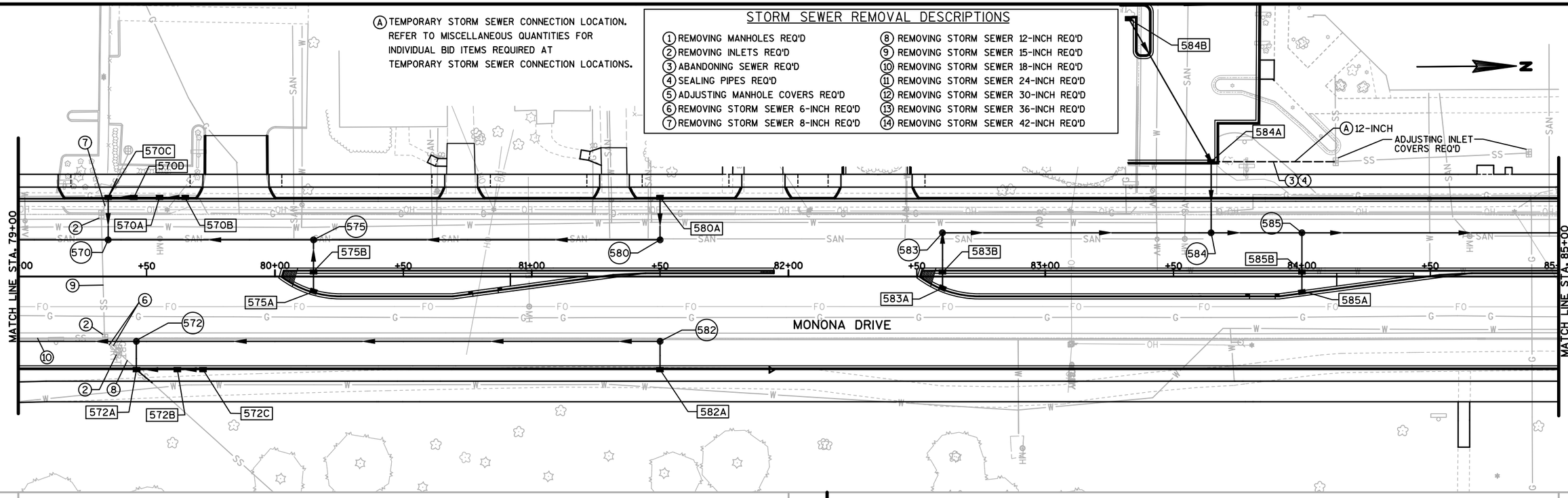
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET 87 E

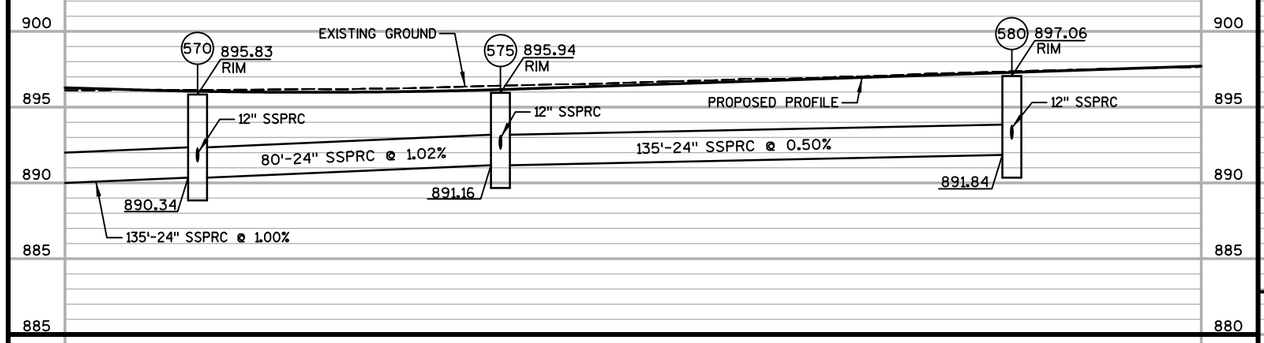
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER		MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
540	73+15	14.3' LT	167	530	--	--	4-FOOT J	894.03	892.78	10.74	24	883.54	882.86	167	0.41%	18-INCH SUMP REQ'D
540A	73+15	36.3' RT	29	540B	2X3-FT	H	----	893.55	892.72	1.97	12	890.75	890.61	29	0.48%	
540B	73+15	7.3' RT	9	540C	2X3-FT	H	----	894.07	893.24	2.63	12	890.61	890.43	9	2.00%	
540C	73+15	1.8' LT	12	540	2X3-FT	H	----	894.05	893.22	2.79	12	890.43	890.18	12	2.08%	
540D	73+15	30.8' LT	17	540	2X3-FT	H	----	893.53	892.70	4.35	12	888.35	888.03	17	1.88%	
EXISTING	75+23	24.0' RT	8	TEMP1	--	--	----	---	---	---	18	889.61	889.57	8	0.50%	
TEMP1	75+15	24.0' RT	8	EXISTING	--	DW	4-FOOT --	894.26	893.43	3.86	18	889.57	889.53	8	0.50%	TEMPORARY STRUCTURE
550	75+15	14.3' LT	200	540	--	--	4-FOOT J	895.26	894.01	11.18	24	884.34	883.54	200	0.40%	18-INCH SUMP REQ'D
550A	75+15	36.3' RT	31	550B	2X3-FT	H	----	894.95	894.12	2.47	12	891.65	891.50	31	0.48%	
550B	75+15	5.4' RT	7	550C	2X3-FT	H	----	895.43	894.60	3.10	12	891.50	891.36	7	2.00%	
550C	75+15	1.8' LT	12	550	2X3-FT	H	----	895.28	894.45	3.09	12	891.36	891.11	12	2.08%	
550D	75+15	30.8' LT	17	550	--	H	4-FOOT --	894.76	893.93	4.33	12	889.60	889.27	17	1.94%	
550D	75+15	30.8' LT	55	TEMP1	--	--	4-FOOT --	---	---	---	12	891.25	891.25	55	0.00%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
550E	74+86	75.3' LT	53	550D	--	C	4-FOOT --	894.75	893.50	2.84	12	890.66	889.60	53	2.00%	LOCATED IN PARKING LOT
550F	75+86	50.0' LT	74	550D	MED. 1 GR.	MS	----	895.35	895.35	4.64	12	890.71	889.60	74	1.50%	LOCATED IN GRASS SWALE
EXISTING	77+03	24.0' RT	8	TEMP2	--	--	----	---	---	---	18	890.52	890.48	8	0.50%	
TEMP2	76+94	24.0' RT	8	EXISTING	--	DW	4-FOOT --	895.91	895.08	4.60	18	890.48	890.44	8	0.50%	TEMPORARY STRUCTURE
554	76+97	14.3' LT	182	550	--	--	4-FOOT J	897.08	895.83	11.82	24	885.51	884.34	182	0.65%	18-INCH SUMP REQ'D
554A	76+96	44.6' LT	30	554	2X3-FT	HS	----	896.53	895.70	4.40	12	891.30	891.00	30	1.00%	LOCATED IN PARKING LOT
554B	76+80	62.0' LT	23	554A	--	C	4-FOOT --	896.58	895.33	3.80	12	891.53	891.30	23	1.00%	LOCATED IN PARKING LOT
554C	76+96	30.8' LT	55	TEMP2	--	--	----	---	---	---	12	891.16	892.00	55	-1.53%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
560	78+00	14.3' LT	103	554	--	--	5-FOOT J	896.75	895.50	10.58	24	886.42	885.56	103	0.84%	18-INCH SUMP REQ'D
562	78+00	25.3' RT	39	560	--	--	5-FOOT J	896.45	895.20	9.88	24	886.82	886.42	39	1.03%	18-INCH SUMP REQ'D

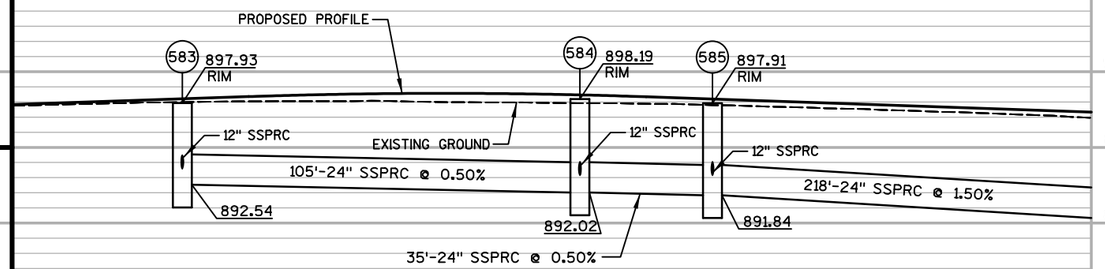
Ⓐ TEMPORARY STORM SEWER CONNECTION LOCATION. REFER TO MISCELLANEOUS QUANTITIES FOR INDIVIDUAL BID ITEMS REQUIRED AT TEMPORARY STORM SEWER CONNECTION LOCATIONS.

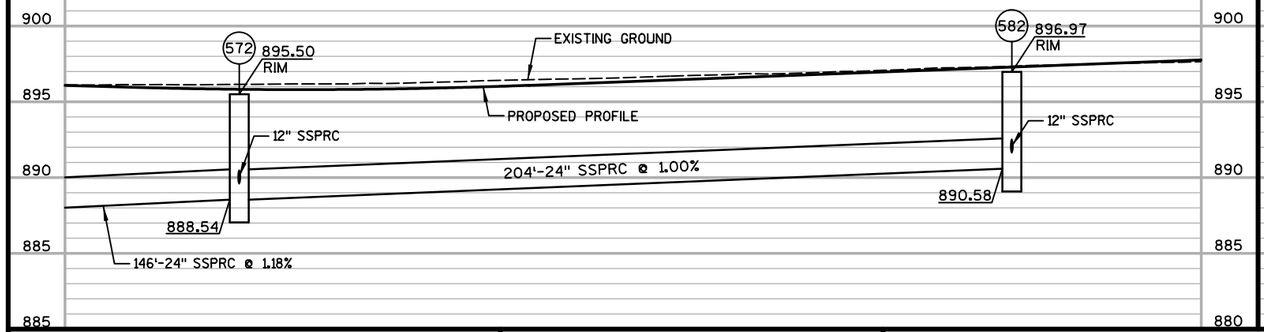
STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
4. SEALING PIPES REQ'D
5. ADJUSTING MANHOLE COVERS REQ'D
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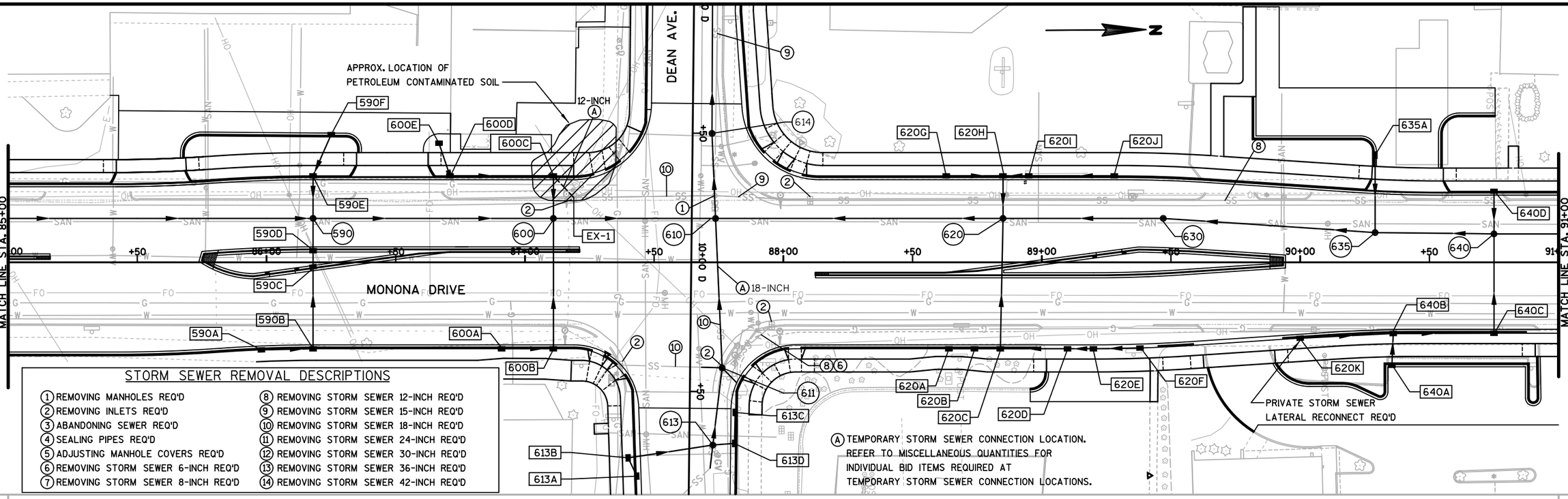




PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET 89 E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
570	79+35	14.3' LT	135	560	-- --	4-FOOT J	895.83	894.58	5.74	24	890.34	888.99	135	1.00%	18-INCH SUMP REQ'D
570A	79+55	30.8' LT	10	570D	2X3-FT HS	----	895.27	894.44	2.74	12	891.70	891.60	10	1.00%	
570B	79+65	30.8' LT	10	570A	2X3-FT HS	----	895.26	894.43	2.63	12	891.80	891.70	10	1.00%	
570C	79+35	30.8' LT	17	570	-- HS	4-FOOT --	895.33	894.50	3.00	12	891.50	891.34	17	0.94%	MH W/FLAT TOP AND 2X3 OPENING
570D	79+45	30.8' LT	10	570C	2X3-FT HS	----	895.29	894.46	2.86	12	891.60	891.50	10	1.00%	
EXISTING	79+38	38.0' LT	8	570	-- --	----	---	---	---	8	893.29	893.25	8	0.50%	PVC
572	79+46	25.3' RT	146	562	-- --	4-FOOT J	895.50	894.25	7.21	24	888.54	886.82	146	1.18%	18-INCH SUMP REQ'D
572A	79+46	36.3' RT	11	572	-- HS	4-FOOT --	895.11	894.28	4.32	12	889.96	889.54	11	3.82%	MH W/FLAT TOP AND 2X3 OPENING
572B	79+62	36.3' RT	16	572A	2X3-FT HS	----	895.09	894.26	4.13	12	890.13	889.96	16	1.06%	
572C	79+72	36.3' RT	10	572B	2X3-FT HS	----	895.10	894.27	4.04	12	890.23	890.13	10	1.00%	
EXISTING	79+52	41.4' RT	8	572A	-- --	----	---	---	---	12	892.07	892.06	8	0.13%	PVC
575	80+15	14.3' LT	80	570	-- --	4-FOOT J	895.94	894.69	5.03	24	891.16	890.34	80	1.02%	18-INCH SUMP REQ'D, FLAT SLAP TOP REQ'D
575A	80+15	5.7' RT	7	575B	2X3-FT HS	----	896.77	895.94	3.54	12	892.40	892.31	7	1.29%	
575B	80+15	1.8' LT	13	575	2X3-FT HS	----	895.96	895.13	2.82	12	892.31	892.18	13	1.00%	
580	81+50	14.2' LT	135	575	-- --	4-FOOT J	897.06	895.81	5.47	24	891.84	891.16	135	0.50%	18-INCH SUMP REQ'D, FLAT SLAP TOP REQ'D
580A	81+50	30.8' LT	17	580	2X3-FT H	----	896.56	895.73	2.73	12	893.00	892.84	17	0.94%	
582	81+50	25.3' RT	204	572	-- --	4-FOOT J	896.97	895.72	6.64	24	890.58	888.54	204	1.00%	18-INCH SUMP REQ'D
582A	81+50	36.3' RT	11	582	2X3-FT H	----	896.58	895.75	4.06	12	891.69	891.58	11	1.00%	
583	82+60	17.0' LT	105	584	-- --	4-FOOT J	897.93	896.68	5.64	24	892.54	892.02	105	0.50%	18-INCH SUMP REQ'D
583A	82+60	4.5' RT	6	583B	2X3-FT HS	----	898.09	897.26	3.51	12	893.75	893.69	6	1.00%	
583B	82+60	1.8' LT	15	583	2X3-FT HS	----	898.00	897.17	3.48	12	893.69	893.54	15	1.00%	
584	83+65	17.0' LT	35	585	-- --	4-FOOT J	898.19	896.94	6.43	24	892.02	891.84	35	0.50%	18-INCH SUMP REQ'D
584A	83+65	44.6' LT	28	584	2X3-FT HS	----	897.05	896.22	2.89	12	893.33	893.10	28	0.80%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
584B	83+33	100.4' LT	64	584A	2X3-FT HS	----	896.70	895.87	2.22	12	893.65	893.33	64	0.50%	
585	84+00	17.0' LT	218	590	-- --	4-FOOT J	897.91	896.66	6.32	24	891.84	888.57	218	1.50%	18-INCH SUMP REQ'D
585A	84+00	6.1' RT	8	585B	2X3-FT HS	----	898.16	897.33	4.00	12	893.33	893.25	8	1.00%	
585B	84+00	1.8' LT	15	585	2X3-FT HS	----	897.99	897.16	3.91	12	893.25	893.10	15	1.00%	

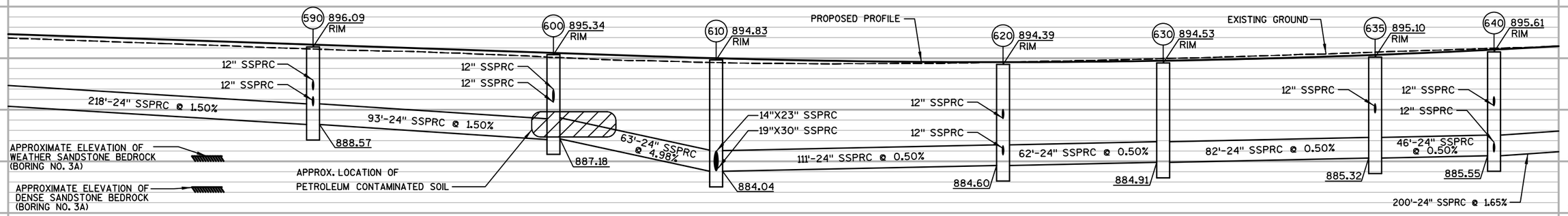
2



STORM SEWER REMOVAL DESCRIPTIONS

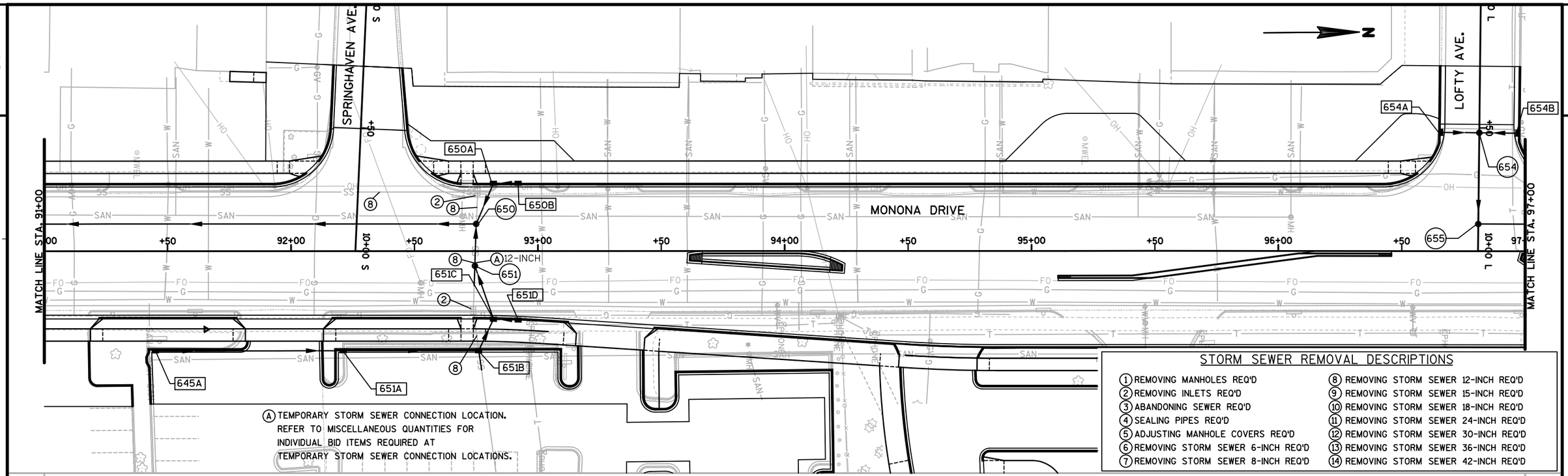
1. REMOVING MANHOLES REQ'D
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8. REMOVING STORM SEWER 12-INCH REQ'D
9. REMOVING STORM SEWER 15-INCH REQ'D
10. REMOVING STORM SEWER 18-INCH REQ'D
11. REMOVING STORM SEWER 24-INCH REQ'D
12. REMOVING STORM SEWER 30-INCH REQ'D
13. REMOVING STORM SEWER 36-INCH REQ'D
14. REMOVING STORM SEWER 42-INCH REQ'D

(A) TEMPORARY STORM SEWER CONNECTION LOCATION. REFER TO MISCELLANEOUS QUANTITIES FOR INDIVIDUAL BID ITEMS REQUIRED AT TEMPORARY STORM SEWER CONNECTION LOCATIONS.



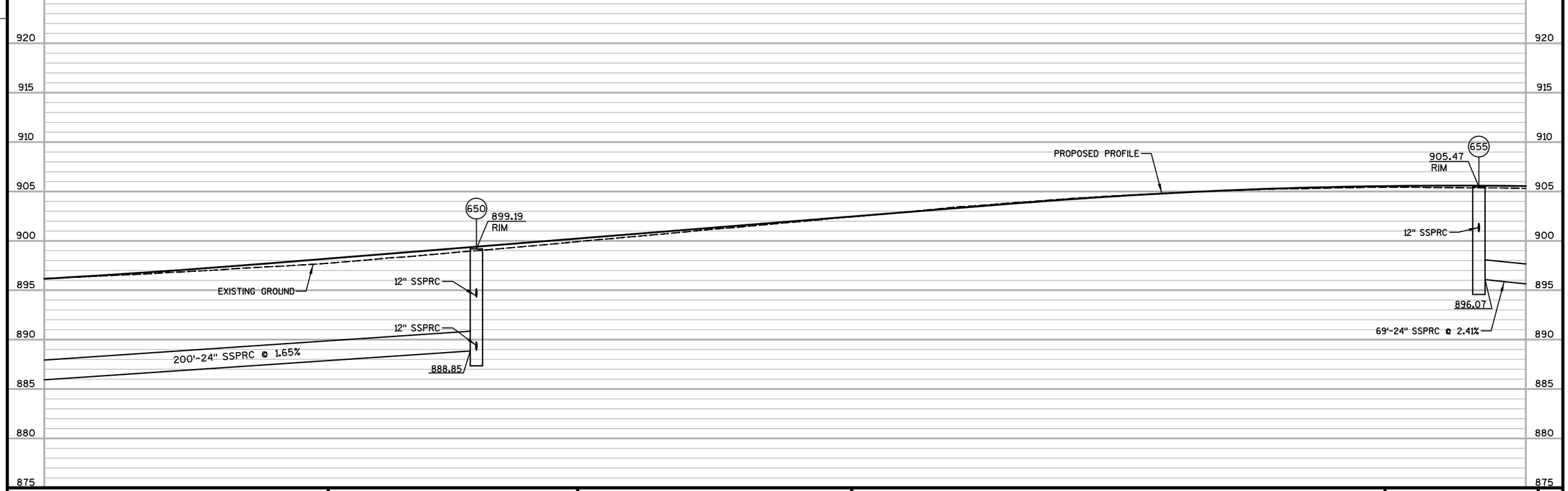
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET 91	E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
590	86+18	17.0' LT	93	600	-- --	4-FOOT J	896.09	894.84	7.77	24	888.57	887.18	93	1.50%	18-INCH SUMP REQ'D
590A	85+98	33.9' RT	20	590B	2X3-FT H	----	895.92	895.09	2.52	12	892.57	892.37	20	1.00%	
590B	86+18	33.5' RT	32	590C	2X3-FT H	----	895.74	894.91	2.54	12	892.37	892.05	32	1.00%	
590C	86+18	1.8' RT	6	590D	2X3-FT H	----	896.23	895.40	3.35	12	892.05	891.99	6	1.00%	
590D	86+18	4.5' LT	12	590	2X3-FT H	----	896.11	895.28	3.29	12	891.99	891.87	12	1.00%	
590E	86+18	33.5' LT	17	590	2X3-FT H	----	895.61	894.78	4.28	12	890.50	890.33	17	1.00%	
590F	86+25	49.5' LT	17	590E	2X3-FT H	----	895.89	895.06	4.39	12	890.67	890.50	17	1.00%	
600	87+11	17.0' LT	63	610	-- --	4-FOOT J	895.34	894.09	8.42	24	887.18	884.04	63	4.98%	18-INCH SUMP REQ'D
600A	86+91	33.5' RT	20	600B	2X3-FT H	----	895.27	894.44	3.08	12	891.36	891.26	20	0.50%	
600B	87+11	33.5' RT	51	600	2X3-FT H	----	895.15	894.32	3.06	12	891.26	891.00	51	0.50%	
600C	87+11	33.5' LT	17	600	2X3-FT H	----	894.89	894.06	3.16	12	890.90	890.73	17	1.00%	
600C	87+11	33.5' LT	12	EX-1	-- --	----	---	---	---	12	890.90	890.87	12	0.25%	TEMPORARY CONNECTION TO EXISTING INLET
600D	86+71	33.5' LT	40	600C	2X3-FT H	----	895.14	894.31	3.01	12	891.30	890.90	40	1.00%	
600E	86+67	46.1' LT	13	600D	MED. 1 GR. MS	----	895.62	894.79	3.36	12	891.43	891.30	13	1.00%	LOCATED IN GRASS AREA
610	87+74	17.0' LT	33	614	-- --	6-FOOT J	894.83	893.58	11.04	19X30	884.04	883.88	33	0.50%	18-INCH SUMP REQ'D
620	88+85	17.0' LT	111	610	-- --	4-FOOT J	894.39	893.14	10.04	24	884.60	884.04	111	0.50%	18-INCH SUMP REQ'D
620A	88+64	33.5' RT	10	620B	2X3-FT HS	----	894.10	893.27	6.99	12	886.28	886.18	10	1.00%	
620B	88+74	33.5' RT	10	620C	2X3-FT HS	----	894.06	893.23	7.05	12	886.18	886.08	10	1.00%	
620C	88+84	33.5' RT	51	620	2X3-FT HS	----	894.03	893.20	7.12	12	886.08	885.57	51	1.00%	
620D	89+10	33.5' RT	26	620C	2X3-FT DW	----	893.98	893.15	6.81	12	886.34	886.08	26	1.00%	
620E	89+20	33.5' RT	10	620D	2X3-FT DW	----	894.00	893.17	6.73	12	886.44	886.34	10	1.00%	
620F	89+38	33.2' RT	18	620E	2X3-FT DW	----	894.04	893.21	6.59	12	886.62	886.44	18	1.00%	
620G	88+63	33.5' LT	22	620H	2X3-FT HS	----	893.94	893.11	6.27	12	886.84	886.62	22	1.00%	
620H	88+85	33.5' LT	16	620	2X3-FT HS	----	893.89	893.06	3.81	12	889.25	889.09	16	1.00%	
620I	88+95	33.5' LT	10	620H	2X3-FT HS	----	893.90	893.07	3.72	12	889.35	889.25	10	1.00%	
620J	89+28	33.5' LT	33	620I	2X3-FT HS	----	893.96	893.13	3.45	12	889.68	889.35	33	1.00%	
620K	90+00	29.4' RT	62	640B	2X3-FT H	----	894.37	893.54	6.99	12	886.55	886.24	62	0.50%	PRIVATE STORM SEWER LATERAL RECONNECT REQUIRED
630	89+47	17.0' LT	62	620	-- --	4-FOOT J	894.53	893.28	9.87	24	884.91	884.60	62	0.50%	18-INCH SUMP REQ'D
635	90+29	11.5' LT	82	630	-- --	4-FOOT J	895.10	893.85	10.03	24	885.32	884.91	82	0.50%	18-INCH SUMP REQ'D
635A	90+29	41.5' LT	30	635	2X3-FT H	----	894.96	894.13	3.63	12	890.50	889.64	30	2.87%	LOCATED IN PARKING LOT
640	90+75	11.0' LT	46	635	-- --	4-FOOT J	895.61	894.36	10.31	24	885.55	885.32	46	0.50%	18-INCH SUMP REQ'D
640A	90+36	39.9' RT	12	640B	2X3-FT HS	----	895.37	894.54	8.16	12	886.38	886.24	12	1.12%	
640B	90+36	27.6' RT	39	640C	2X3-FT H	----	894.67	893.84	7.60	12	886.24	886.05	39	0.50%	
640C	90+75	27.5' RT	39	640	2X3-FT H	----	895.11	894.28	8.23	12	886.05	885.85	39	0.50%	
640D	90+75	27.5' LT	17	640	2X3-FT H	----	895.11	894.28	3.78	12	890.50	890.33	17	1.00%	



STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
4. SEALING PIPES REQ'D
5. ADJUSTING MANHOLE COVERS REQ'D
6. REMOVING STORM SEWER 6-INCH REQ'D
7. REMOVING STORM SEWER 8-INCH REQ'D
8. REMOVING STORM SEWER 12-INCH REQ'D
9. REMOVING STORM SEWER 15-INCH REQ'D
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12. REMOVING STORM SEWER 30-INCH REQ'D
13. REMOVING STORM SEWER 36-INCH REQ'D
14. REMOVING STORM SEWER 42-INCH REQ'D



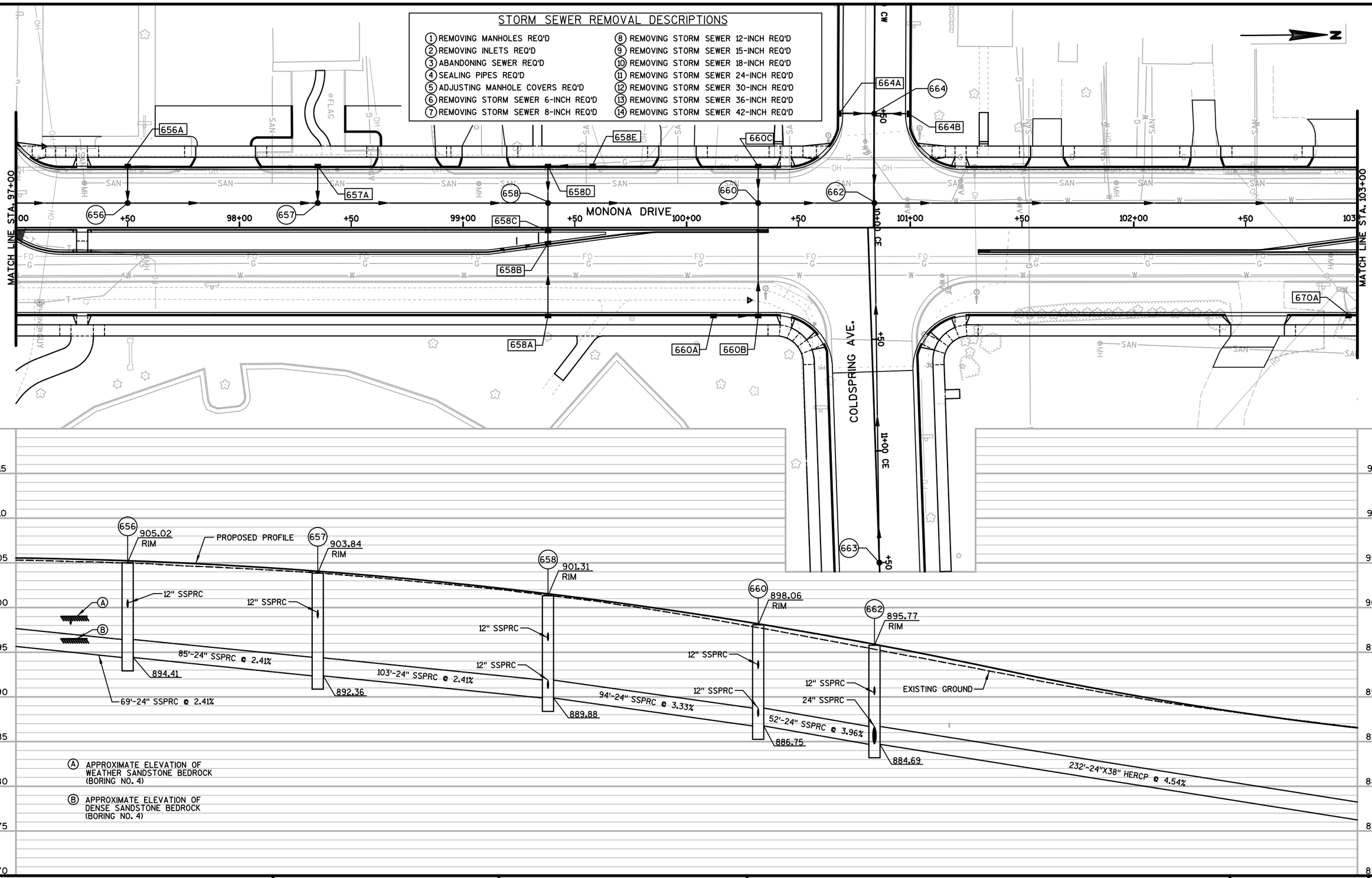
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\022512_ss.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
645A	91+45	40.4' RT	76	651A	2X3-FT HS	----	897.04	896.21	5.52	12	890.69	889.93	76	1.00%	LOCATED IN PARKING LOT
650	92+75	11.0' LT	200	640	-- --	4-FOOT J	899.19	897.94	10.59	24	888.85	885.55	200	1.65%	18-INCH SUMP REQ'D
650A	92+82	27.5' LT	18	650	2X3-FT H	----	898.83	898.00	3.58	12	894.42	894.24	18	1.00%	
650B	92+92	27.5' LT	10	650A	2X3-FT H	----	899.03	898.20	3.68	12	894.52	894.42	10	1.00%	
651	92+74	6.0' RT	17	650	-- --	4-FOOT J	899.27	898.44	10.92	12	889.02	888.85	17	1.00%	18-INCH SUMP REQ'D
651A	92+21	40.4' RT	55	651B	2X3-FT HS	----	898.26	897.43	7.50	12	889.93	889.38	55	1.00%	LOCATED IN PARKING LOT
651B	92+76	40.4' RT	14	651C	-- HS	4-FOOT --	899.30	898.47	9.09	12	889.38	889.24	14	1.00%	LOCATED IN PARKING LOT, MH W/FLAT TOP AND 2X3 OPENING
651C	92+82	27.6' RT	23	651	2X3-FT H	----	898.84	898.01	8.77	12	889.24	889.02	23	0.96%	
651D	92+92	28.0' RT	10	651C	2X3-FT H	----	899.05	898.22	8.88	12	889.34	889.24	10	1.00%	
EXISTING	92+74	14.0' RT	8	651	-- --	----	---	---	---	12	895.68	895.66	8	0.28%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
EXISTING	92+77	48.3' RT	8	651B	-- --	----	---	---	---	12	896.31	896.27	8	0.50%	CONCRETE COLLARS FOR PIPE REQ'D
654	96+81	48.0' LT	37	655	-- --	4-FOOT J	905.53	904.28	4.19	12	901.59	900.85	37	2.00%	18-INCH SUMP REQ'D
654A	96+66	48.2' LT	16	654	2X3-FT H	----	905.20	904.37	2.62	12	901.75	901.59	16	1.00%	
654B	96+97	47.8' LT	16	654	2X3-FT H	----	905.25	904.42	2.67	12	901.75	901.59	16	1.00%	
655	96+81	11.0' LT	69	656	-- --	4-FOOT J	905.47	904.22	9.65	24	896.07	894.41	69	2.41%	18-INCH SUMP REQ'D

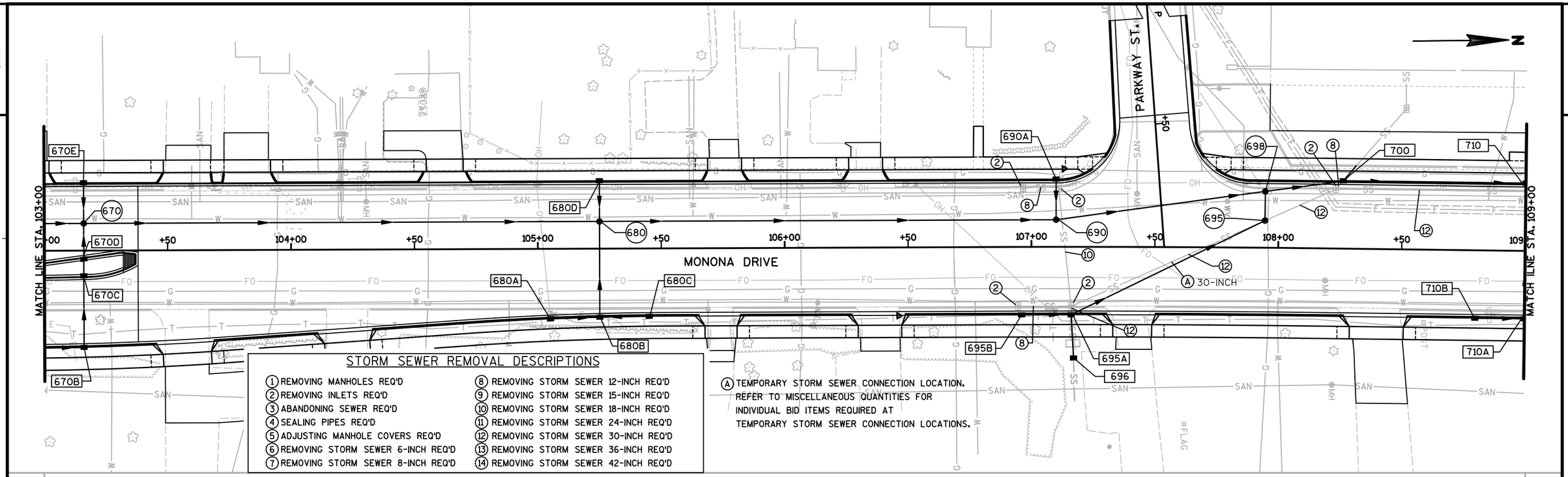
STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
4. SEALING PIPES REQ'D
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET 95 E

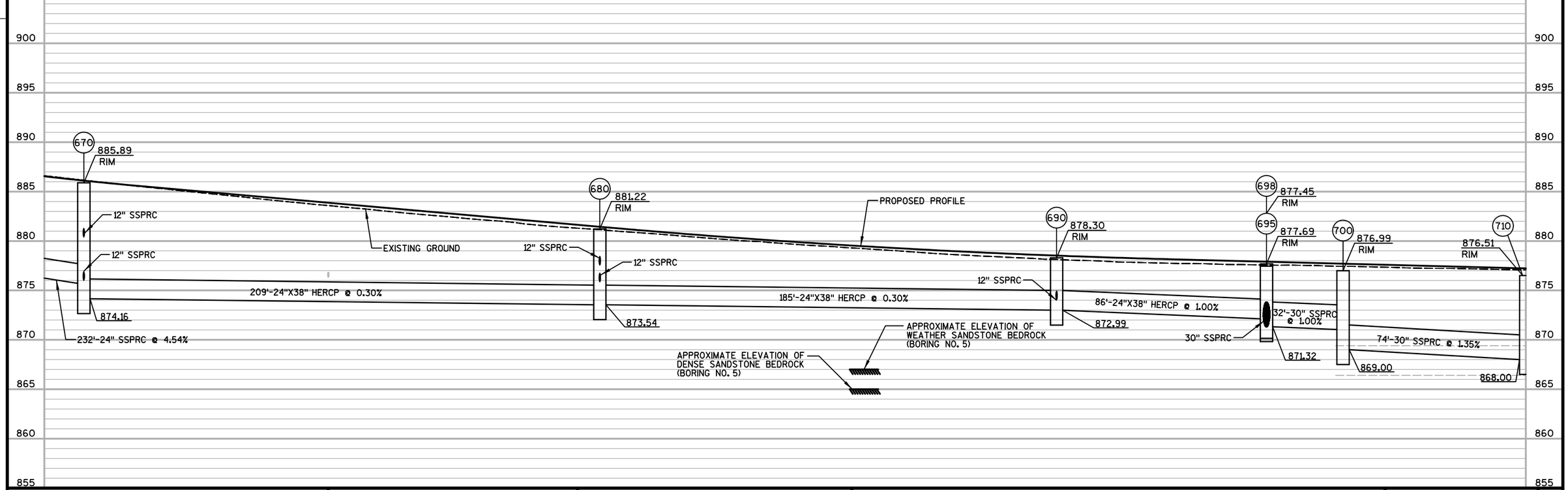
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
656	97+50	11.0' LT	85	657	-- --	4-FOOT J	905.02	903.77	10.86	24	894.41	892.36	85	2.41%	18-INCH SUMP REQ'D
656A	97+50	27.5' LT	17	656	2X3-FT H	----	904.52	903.69	3.58	12	900.11	899.94	17	1.00%	
657	98+35	11.0' LT	103	658	-- --	4-FOOT J	903.84	902.59	11.73	24	892.36	889.88	103	2.41%	18-INCH SUMP REQ'D
657A	98+35	27.5' LT	16	657	2X3-FT H	----	903.34	902.51	3.58	12	898.93	898.77	16	1.00%	
658	99+38	11.0' LT	94	660	-- --	4-FOOT J	901.31	900.06	11.68	24	889.88	886.75	94	3.33%	18-INCH SUMP REQ'D
658A	99+38	39.5' RT	33	658B	2X3-FT H	----	900.95	900.12	8.82	12	891.30	891.14	33	0.50%	
658B	99+38	6.9' RT	5	658C	2X3-FT H	----	901.47	900.64	9.50	12	891.14	891.11	5	0.50%	
658C	99+38	1.5' RT	12	658	2X3-FT H	----	901.33	900.50	9.39	12	891.11	891.05	12	0.50%	
658D	99+38	27.5' LT	17	658	2X3-FT H	----	900.81	899.98	3.58	12	896.40	896.23	17	1.00%	
658E	99+58	27.5' LT	20	658D	2X3-FT H	----	900.23	899.40	2.90	12	896.50	896.40	20	0.50%	
660	100+32	11.0' LT	52	662	-- --	4-FOOT J	898.06	896.81	11.56	24	886.75	884.69	52	3.96%	18-INCH SUMP REQ'D
660A	100+12	39.5' RT	20	660B	2X3-FT H	----	898.45	897.62	9.52	12	888.10	888.00	20	0.50%	
660B	100+32	39.5' RT	50	660	2X3-FT H	----	897.70	896.87	8.87	12	888.00	887.75	50	0.50%	
660C	100+32	27.5' LT	17	660	2X3-FT H	----	897.69	896.86	3.58	12	893.28	893.11	17	1.00%	
662	100+84	11.0' LT	232	670	-- --	6-FOOT J	895.77	894.52	11.33	24X38	884.69	874.16	232	4.54%	18-INCH SUMP REQ'D
663	11+50 CE	0.0' RT	161	662	-- --	4-FOOT J	891.98	890.73	6.73	24	885.50	884.69	161	0.50%	18-INCH SUMP REQ'D
664	100+84	51.0' LT	40	662	-- --	4-FOOT J	895.85	894.60	5.51	12	890.59	890.19	40	1.00%	18-INCH SUMP REQ'D
664A	100+68	51.1' LT	16	664	2X3-FT HS	----	896.17	895.34	4.59	12	890.75	890.59	16	1.00%	
664B	100+99	50.9' LT	16	664	2X3-FT H	----	895.14	894.31	3.56	12	890.75	890.59	16	1.00%	



STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
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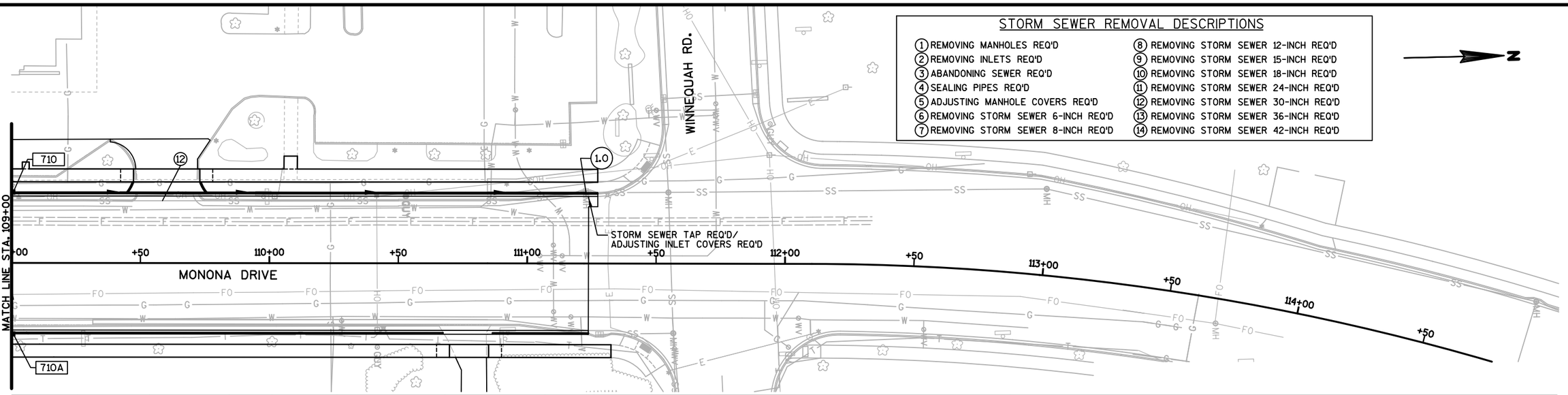
(A) TEMPORARY STORM SEWER CONNECTION LOCATION. REFER TO MISCELLANEOUS QUANTITIES FOR INDIVIDUAL BID ITEMS REQUIRED AT TEMPORARY STORM SEWER CONNECTION LOCATIONS.



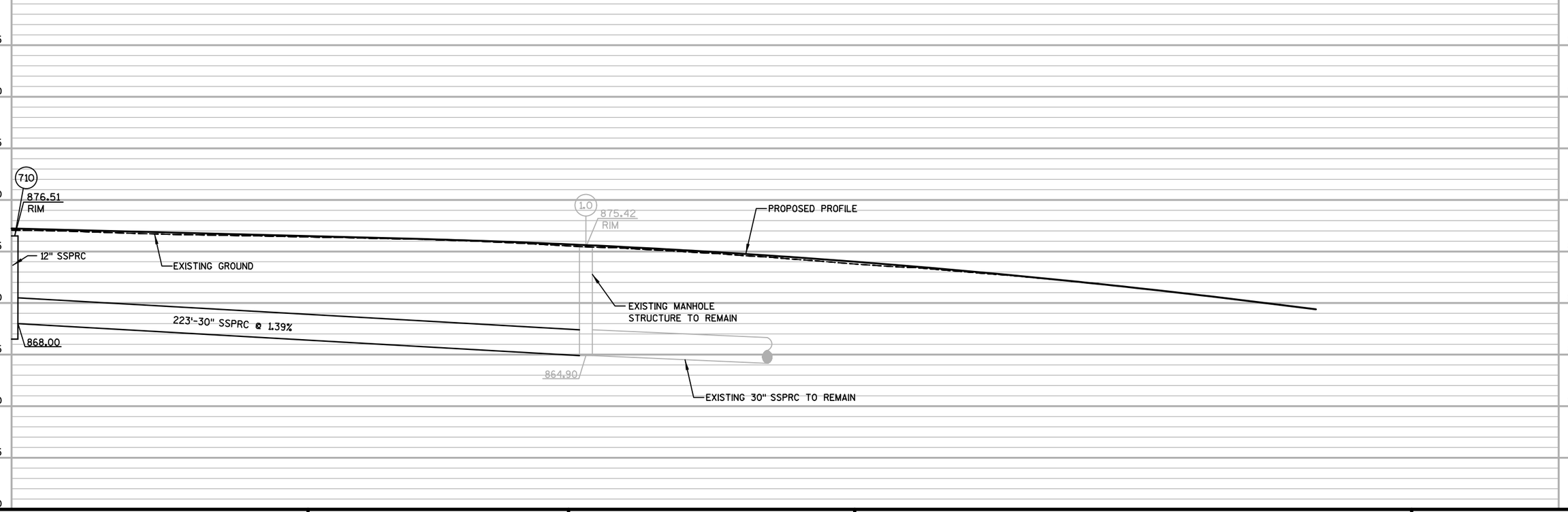
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\022516_ss.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
670	103+16	11.0' LT	209	680	-- --	6-FOOT J	885.89	884.64	11.98	24X38	874.16	873.54	209	0.30%	18-INCH SUMP REQ'D
670A	102+96	39.5' RT	20	670B	2X3-FT H	----	885.95	885.12	8.47	12	876.65	876.45	20	1.00%	
670B	103+16	39.2' RT	29	670C	2X3-FT H	----	885.40	884.57	8.12	12	876.45	876.16	29	1.00%	
670C	103+16	10.2' RT	7	670D	2X3-FT H	----	885.92	885.09	8.93	12	876.16	876.09	7	1.00%	
670D	103+16	3.5' RT	14	670	2X3-FT H	----	885.91	885.08	8.99	12	876.09	875.95	14	1.00%	
670E	103+16	27.5' LT	16	670	2X3-FT H	----	885.39	884.56	4.06	12	880.50	880.34	16	1.00%	
680	105+25	11.0' LT	185	690	-- --	6-FOOT J	881.22	879.97	7.93	24X38	873.54	872.99	185	0.30%	18-INCH SUMP REQ'D
680A	105+05	28.4' RT	20	680B	2X3-FT H	----	881.18	880.35	2.36	12	877.99	877.89	20	0.50%	
680B	105+25	27.8' RT	39	680	2X3-FT H	----	880.74	879.91	2.02	12	877.89	877.50	39	1.00%	
680C	105+45	27.5' RT	20	680B	2X3-FT H	----	880.30	879.47	1.48	12	877.99	877.89	20	0.50%	
680D	105+25	27.5' LT	17	680	2X3-FT H	----	880.72	879.89	3.91	12	875.98	875.81	17	1.00%	
690	107+10	11.0' LT	86	698	-- --	6-FOOT J	878.30	877.05	5.56	24X38	872.99	872.13	86	1.00%	18-INCH SUMP REQ'D, FLAT SLAB TOP REQ'D
690A	107+10	27.5' LT	16	690	2X3-FT H	----	877.80	876.97	2.81	12	874.16	874.00	16	1.00%	
695	107+95	11.0' LT	12	698	-- --	5-FOOT J	877.69	876.86	6.71	30	871.65	871.32	12	2.75%	
695A	107+16	27.5' RT	87	695	-- H	5-FOOT --	877.74	876.49	3.40	30	873.09	872.66	87	0.50%	MH W/FLAT TOP AND 2X3 OPENING
695B	106+95	27.5' RT	20	695A	2X3-FT H	----	877.95	877.12	3.93	12	873.19	873.09	20	0.50%	
696	107+17	45.0' RT	18	695A	-- C	5-FOOT --	877.50	876.67	3.49	30	873.18	873.09	18	0.50%	MH W/FLAT TOP FOR INLET CASTING TYPE C
698	107+95	22.9' LT	32	700	-- --	7-FOOT J	877.45	876.62	5.30	30	871.32	871.00	32	1.00%	FLAT SLAB TOP REQ'D
700	108+26	27.5' LT	74	710	-- H	8-FOOT --	876.99	876.16	7.16	30	869.00	868.00	74	1.35%	MH W/FLAT TOP AND 2X3 OPENING
EXISTING	108+31	33.6' LT	8	700	-- --	----	---	---	---	12	870.19	870.10	8	1.19%	
710B	108+80	27.5' RT	20	710A	2X3-FT H	----	876.64	875.81	1.86	12	873.95	873.85	20	0.50%	

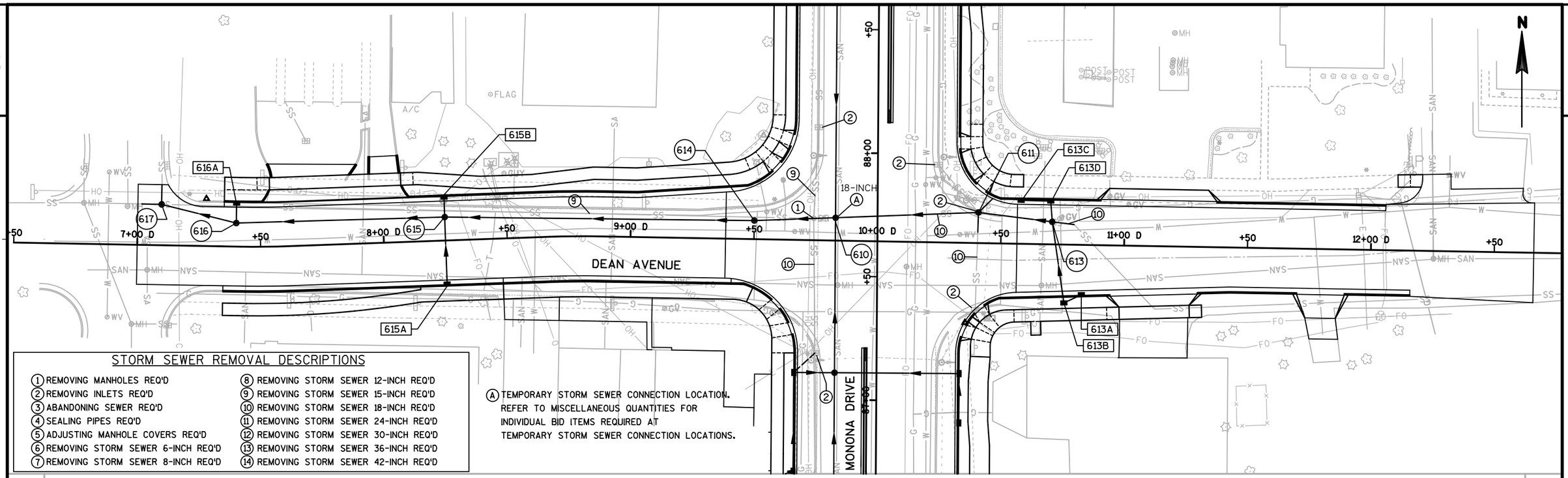


STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
710	109+00	27.5' LT	223	1	-- H	5-FOOT --	876.51	875.68	7.68	30	868.00	864.90	223	1.39%	18-INCH SUMP REQ'D, MH W/FLAT TOP AND 2X3 OPENING
710A	109+00	27.5' RT	55	710	2X3-FT H	----	876.51	875.68	1.83	12	873.85	873.30	55	1.00%	
1.0	111+23	27.5' LT	---	--	-- --	----	--	--	--	30	864.90	--	---	---	CONNECT TO EXISTING STRUCTURE; STORM SEWER TAP REQUIRED; ADJUSTING INLET COVERS REQ'D



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER	SHEET 99	E

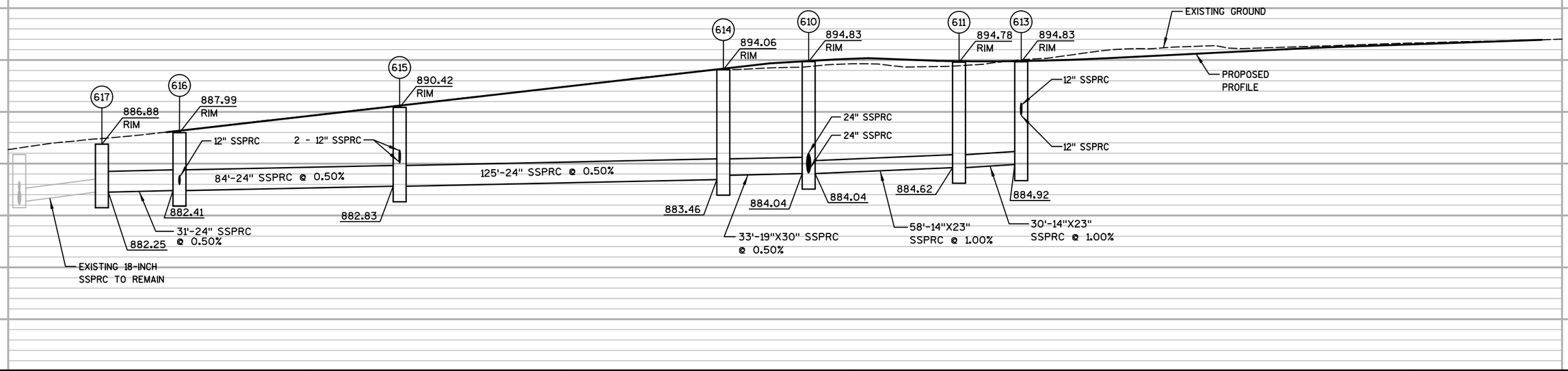
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STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
4. SEALING PIPES REQ'D
5. ADJUSTING MANHOLE COVERS REQ'D
6. REMOVING STORM SEWER 6-INCH REQ'D
7. REMOVING STORM SEWER 8-INCH REQ'D
8. REMOVING STORM SEWER 12-INCH REQ'D
9. REMOVING STORM SEWER 15-INCH REQ'D
10. REMOVING STORM SEWER 18-INCH REQ'D
11. REMOVING STORM SEWER 24-INCH REQ'D
12. REMOVING STORM SEWER 30-INCH REQ'D
13. REMOVING STORM SEWER 36-INCH REQ'D
14. REMOVING STORM SEWER 42-INCH REQ'D

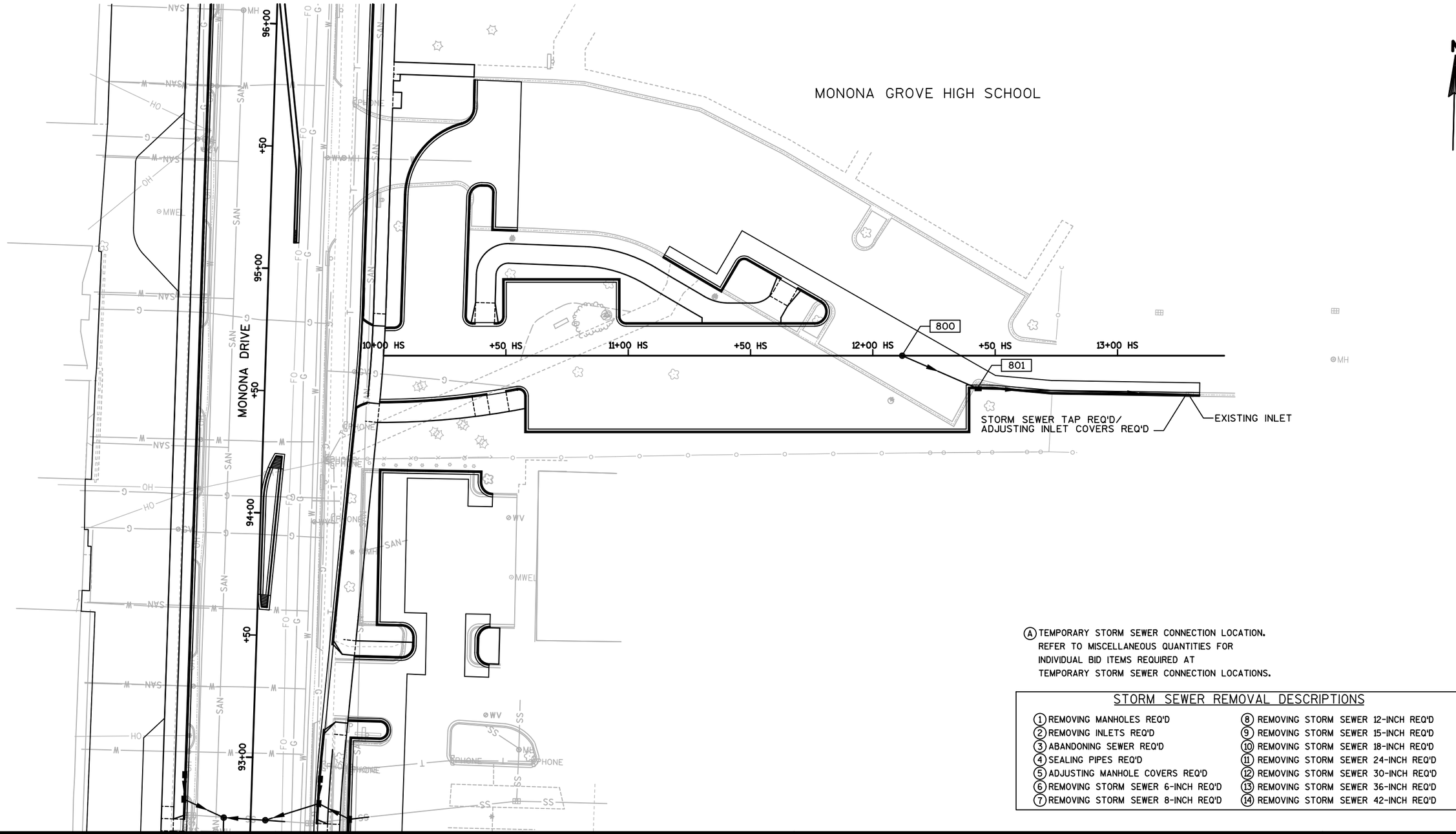
(A) TEMPORARY STORM SEWER CONNECTION LOCATION. REFER TO MISCELLANEOUS QUANTITIES FOR INDIVIDUAL BID ITEMS REQUIRED AT TEMPORARY STORM SEWER CONNECTION LOCATIONS.



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STORM SEWER - DEAN AVENUE	SHEET 100	E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
610	87+74	17.0' LT	33	614	-- --	6-FOOT J	894.83	893.58	11.04	19x30	884.04	883.88	33	0.50%	18-INCH SUMP REQ'D
611	10+41 D	12.4' LT	58	610	-- --	6-FOOT J	894.78	893.53	10.41	14X23	884.62	884.04	58	1.00%	18-INCH SUMP REQ'D
EXISTING	10+46 D	18.0' LT	8	611	-- --	----	---	---	---	12	890.99	890.73	8	3.25%	CONCRETE COLLARS FOR PIPE REQ'D, EXIST. PIPE LOCATION AND INVERT TO BE FIELD VERIFIED
EXISTING	10+41 D	4.4' LT	8	611	-- --	----	---	---	---	18	890.70	890.59	8	1.38%	TEMPORARY CONNECTION TO EXISTING STORM SEWER REQ'D; SEE PLANS FOR LOCATION
613	10+71 D	9.1' LT	30	611	-- --	6-FOOT J	894.83	893.58	10.16	14x23	884.92	884.62	30	1.00%	18-INCH SUMP REQ'D
613A	10+83 D	20.2' RT	8	613B	2X3-FT HS	----	894.63	893.80	3.61	12	890.19	890.09	8	1.25%	
613B	10+76 D	23.6' RT	33	613	SPECIAL	----	894.62	893.79	3.70	12	890.09	889.64	33	1.36%	TERRACE INLET TYPE 3 WITH INLET COVER TYPE T3
613C	10+58 D	17.6' LT	12	613D	2X3-FT HS	----	894.52	893.69	3.58	12	890.11	889.99	12	1.00%	
613D	10+70 D	17.5' LT	8	613	2X3-FT HS	----	894.56	893.73	3.74	12	889.99	889.91	8	1.00%	
EXISTING	10+80 D	8.1' LT	9	613	-- --	----	---	---	---	18	890.03	889.98	9	0.50%	CONCRETE COLLARS FOR PIPE REQ'D, EXIST. PIPE LOCATION AND INVERT TO BE FIELD VERIFIED
614	9+50 D	7.5' LT	125	615	-- --	5-FOOT J	894.06	892.81	10.85	24	883.46	882.83	125	0.50%	18-INCH SUMP REQ'D
615	8+25 D	9.5' LT	84	616	-- --	4-FOOT J	890.42	889.17	7.84	24	882.83	882.41	84	0.50%	18-INCH SUMP REQ'D
615A	8+25 D	17.5' RT	27	615	2X3-FT H	----	890.08	889.25	3.71	12	885.54	885.00	27	2.00%	
615B	8+25 D	17.6' LT	8	615	2X3-FT H	----	890.08	889.25	3.71	12	885.54	885.38	8	2.00%	
616	7+40 D	9.5' LT	31	617	-- --	5-FOOT J	887.99	886.74	5.84	24	882.41	882.25	31	0.50%	18-INCH SUMP REQ'D
616A	7+40 D	17.6' LT	8	616	2X3-FT H	----	887.66	886.83	3.83	12	883.00	882.92	8	1.00%	
617	7+10 D	16.5' LT	---	--	-- --	5-FOOT J	886.88	885.63	4.88	24	882.25	--	---	---	18-INCH SUMP REQ'D, FLAT SLAP TOP REQ'D
EXISTING	7+10 D	24.5' LT	8	617	-- --	----	---	---	---	12	882.29	882.25	8	0.50%	CONCRETE COLLARS FOR PIPE REQ'D, EXIST. PIPE LOCATION AND INVERT TO BE FIELD VERIFIED
EXISTING	7+02 D	16.6' LT	8	617	-- --	----	---	---	---	18	882.25	882.03	8	2.75%	CONCRETE COLLARS FOR PIPE REQ'D, EXIST. PIPE LOCATION AND INVERT TO BE FIELD VERIFIED

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE & COVER	MH TYPE & COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
800	12+12 HS	0.0' RT	34	801	-- C	4-FOOT --	898.57	897.32	4.09	12	894.74	894.57	34	0.50%	18-INCH SUMP REQ'D, LOCATED IN PARKING LOT
801	12+43 HS	13.5' RT	87	EXISTING	2X3-FT H	----	898.03	896.78	3.72	12	894.57	894.13	87	0.50%	18-INCH SUMP REQ'D, LOCATED IN PARKING LOT



(A) TEMPORARY STORM SEWER CONNECTION LOCATION. REFER TO MISCELLANEOUS QUANTITIES FOR INDIVIDUAL BID ITEMS REQUIRED AT TEMPORARY STORM SEWER CONNECTION LOCATIONS.

STORM SEWER REMOVAL DESCRIPTIONS

1. REMOVING MANHOLES REQ'D
2. REMOVING INLETS REQ'D
3. ABANDONING SEWER REQ'D
4. SEALING PIPES REQ'D
5. ADJUSTING MANHOLE COVERS REQ'D
6. REMOVING STORM SEWER 6-INCH REQ'D
7. REMOVING STORM SEWER 8-INCH REQ'D
8. REMOVING STORM SEWER 12-INCH REQ'D
9. REMOVING STORM SEWER 15-INCH REQ'D
10. REMOVING STORM SEWER 18-INCH REQ'D
11. REMOVING STORM SEWER 24-INCH REQ'D
12. REMOVING STORM SEWER 30-INCH REQ'D
13. REMOVING STORM SEWER 36-INCH REQ'D
14. REMOVING STORM SEWER 42-INCH REQ'D

SANITARY SEWER AND WATER PLANS PREPARED BY

WISCONSIN
MATTHEW A. YENTZ
E-30961
SUN PRAIRIE WI
PROFESSIONAL ENGINEER

7/31/2012
DATE

SIGNATURE

NOTES:
FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

PARCELS BETWEEN STA. 55+00 RT - STA. 62+00 RT SERVED BY EXISTING CITY OF MADISON SANITARY.

TEMPORARY WATER REQ'D DURING CONSTRUCTION.

N

MH-EX STA. 59+04, 20' LT
ADJUSTING MH COVERS REQ'D

MH SAN-26 STA. 60+97, 15' LT
4' SANITARY MH

STA. 60+97, 11.2' RT
CONNECT TO EXIST. 8"

MATCH LINE STA. 61+00

REMOVE MH 6355-005
ABANDON EXISTING TO SE

REMOVE MH 6355-006
CONNECT TO EXISTING 8" S
WITH COMPRESSION COUPLING
SDD 5.3.3 CITY OF MADISON
ABANDON SANITARY TO NW

MONONA DRIVE

MH SAN-27 STA. 60+97, 42' RT
4' SANITARY MH
CITY OF MADISON
SANITARY TAP EAST
CHIMNEY SEAL

EX. 8" UP SAN.

MH: 6355-005
MH: 6355-006
MH: 6355-007
MH: 6355-008

55+00 +50 56+00 +50 57+00 +50 58+00 +50 59+00 +50 60+00 +50

910 905 900 895 890 885 880 875 870 865

* PIPE SHALL CONFORM TO ASTM D3034 SDR-26

MH SAN-27 RIM=897.40
REMOVE MH-EX 6355-005
MH SAN-26 RIM=897.14

EX. 8" UP SAN.

IE 8" S = 887.65
IE 8" W = 886.69
IE 8" E = 889.65 (CONSTRUCT OUTSIDE DROP)(TAP)
IE 8" E = 887.02 (TAP)

* 58 LF - 8" @ 0.5%

IE 10" N = 886.30
IE 10" S = 886.30
IE 8" E = 886.40

SEE CONSTRUCT OUTSIDE DROP S.D.D. 5.7.2 CITY OF MADISON

MH-EX RIM=897.61

APPROXIMATE EXISTING AT&T CONDUIT LOCATION BASED ON PROVIDED AT&T TEST HOLE DEPTH INFORMATION

MH SAN-26 RIM=897.14

EXISTING GROUND

IE 10" N = 887.67
IE 10" S = 887.67

193 LF - 10" @ 0.7%

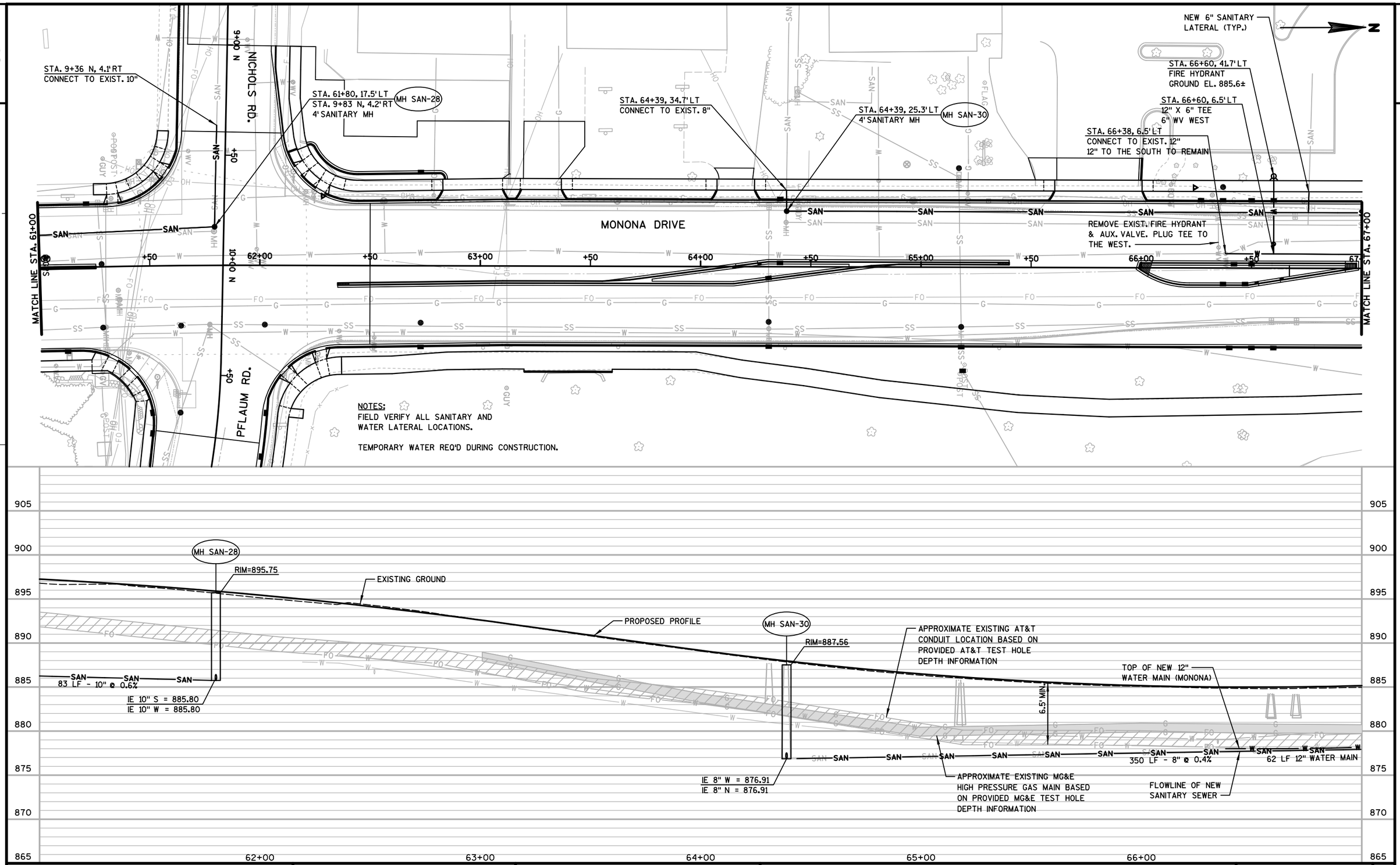
FLOWLINE OF NEW SANITARY SEWER

IE 10" N = 886.30
IE 10" S = 886.30
IE 8" E = 886.40

58+00 59+00 60+00

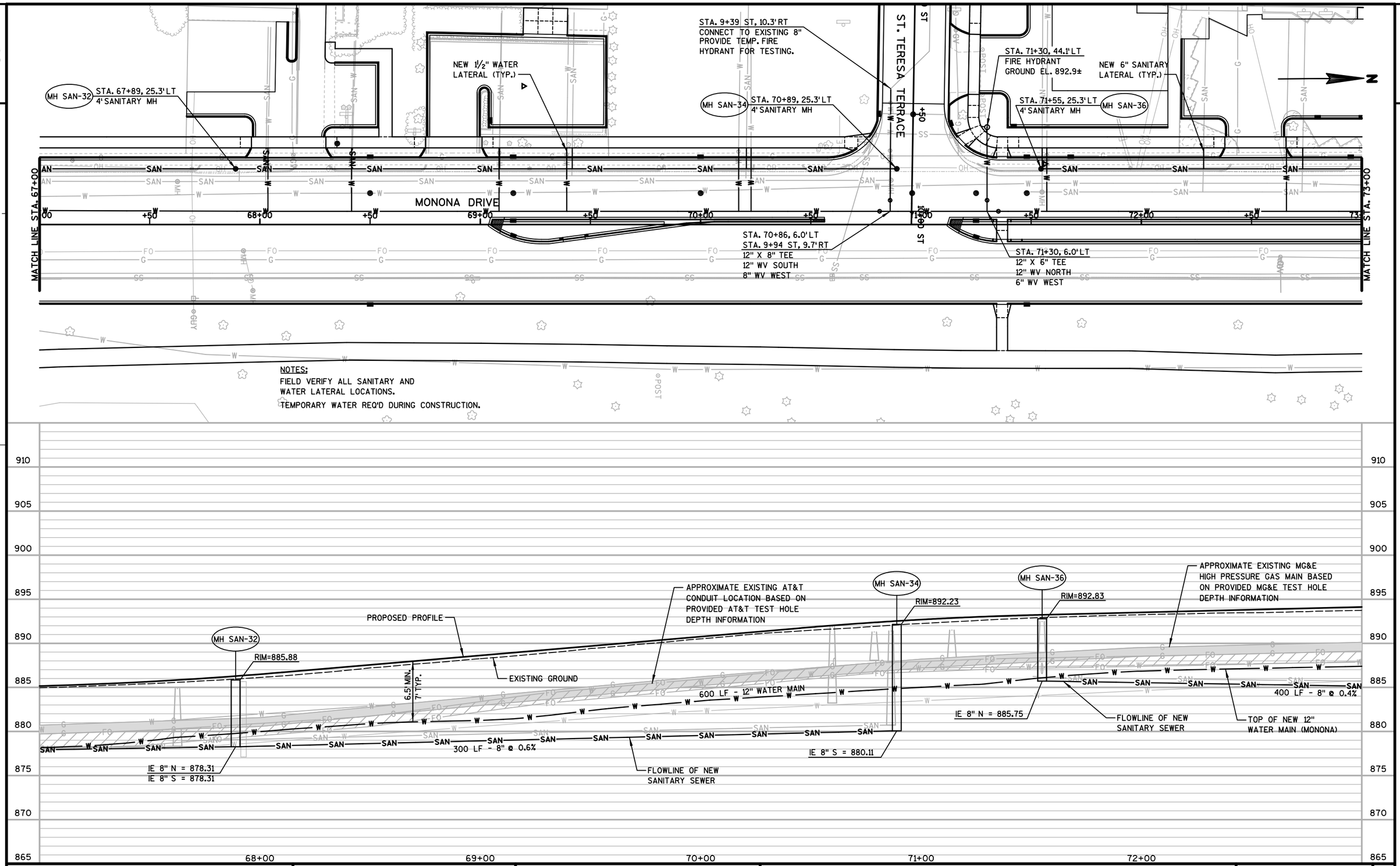
PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET E

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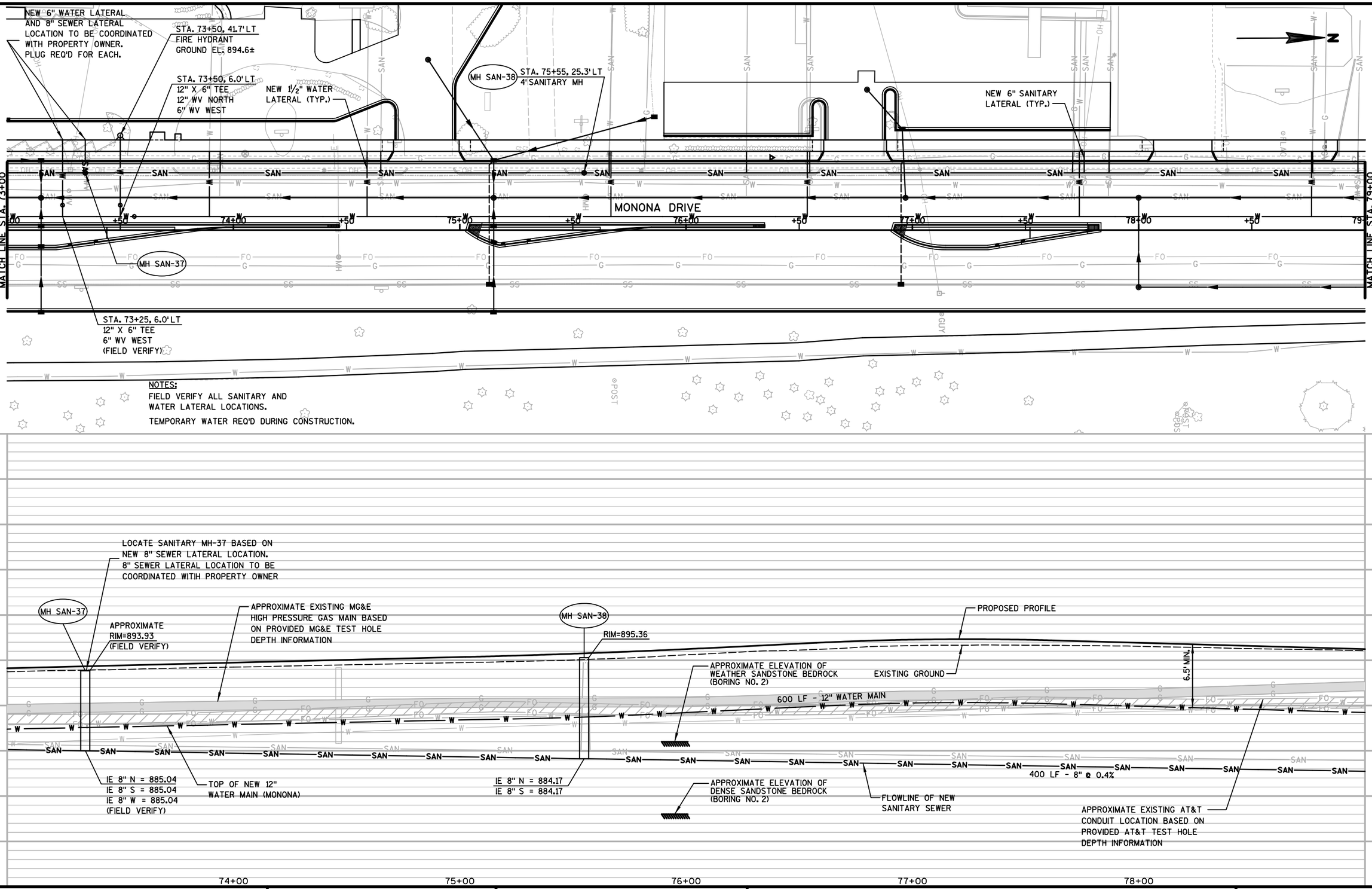
PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023002_up.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41



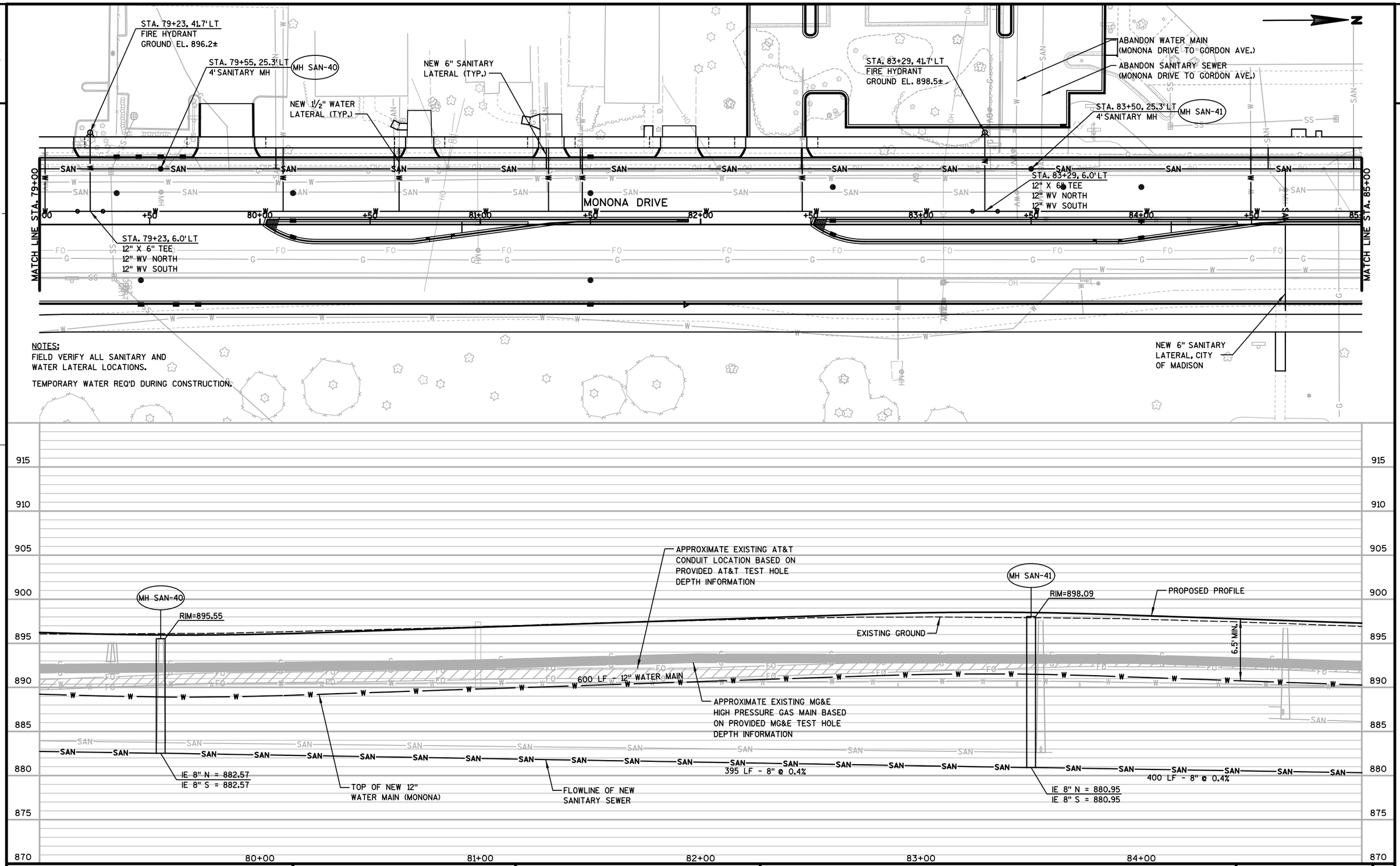
PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET	E

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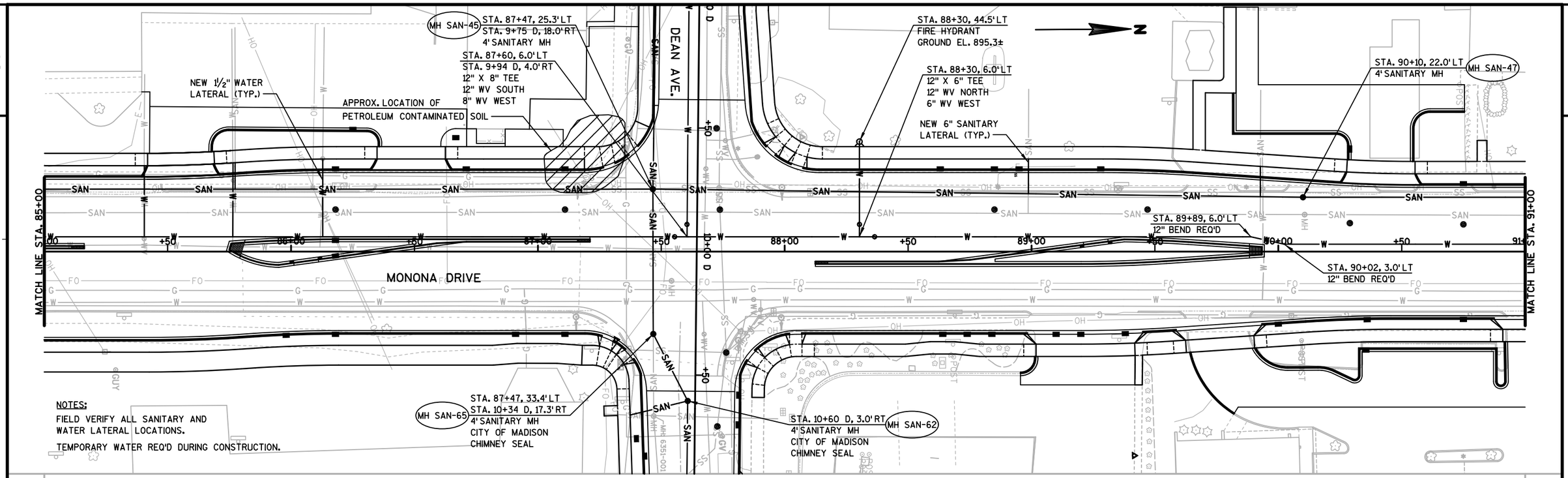


PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023004_up.dgn PLOT DATE : 10/6/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

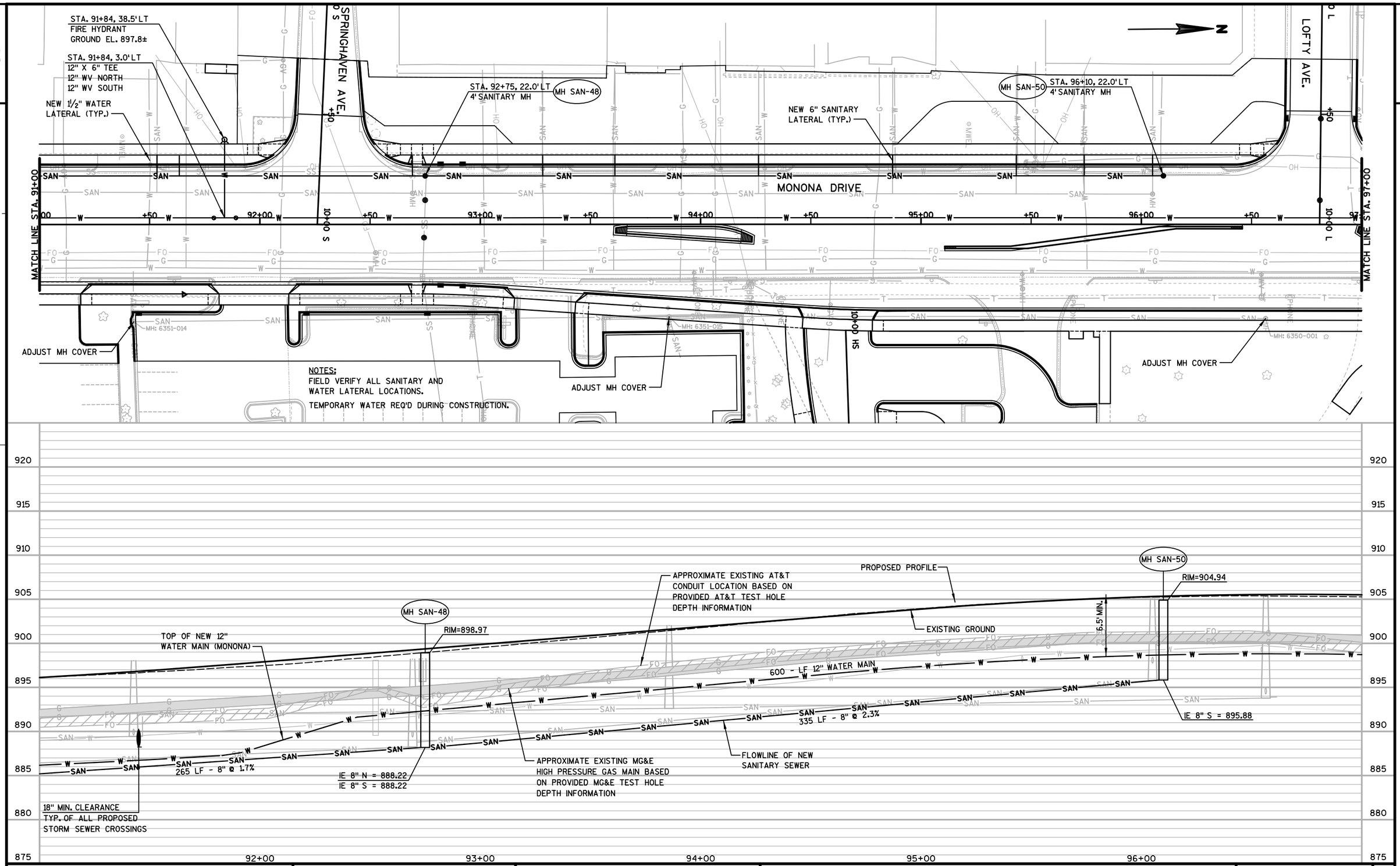


PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET 107	E



PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023006_up.dgn PLOT DATE : 10/29/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41



PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023007_up.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

2

STA. 97+24, 38.7'LT
FIRE HYDRANT
GROUND EL. 905.7±

STA. 97+20, 22.0'LT
4' SANITARY MH
MH SAN-52

STA. 97+24, 3.0'LT
12" X 6" TEE
12" WV NORTH
12" WV SOUTH

NEW 6" SANITARY LATERAL (TYP.)

STA. 99+00, 22.0'LT
4' SANITARY MH
MH SAN-54

PROVIDE WATER LATERALS FOR POTENTIAL FUTURE USE. CURRENTLY SERVED FROM REAR.

STA. 100+80, 3.0'LT
STA. 9+97 CW, 3.9'RT
12" X 8" TEE
8" WV WEST
12" WV SOUTH

9+00 CW

STA. 9+61 CW, 3.9'RT
CONNECT TO EXIST. 8"

STA. 101+20, 38.7'LT
FIRE HYDRANT
GROUND EL. 895.2±

STA. 101+20, 3.0'LT
12" X 6" TEE
12" WV NORTH
6" WV WEST

STA. 102+00, 22.0'LT
4' SANITARY MH
MH SAN-56

NEW 1½" WATER LATERAL (TYP.)

MATCH LINE STA. 97+00

MONONA DRIVE

MATCH LINE STA. 103+00

10+00 CE

COLDSPRING AVE.

+50

MH: 6350-006

ADJUST MH COVER

NOTES:
FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
TEMPORARY WATER REQ'D DURING CONSTRUCTION.

MH SAN-52
RIM=905.06
IE 8" N = 897.15

180 LF - 8" @ 0.7%

MH SAN-54
RIM=902.17
IE 8" N = 895.89
IE 8" S = 895.89

APPROXIMATE EXISTING AT&T CONDUIT LOCATION BASED ON PROVIDED AT&T TEST HOLE DEPTH INFORMATION

APPROXIMATE EXISTING MG&E HIGH PRESSURE GAS MAIN BASED ON PROVIDED MG&E TEST HOLE DEPTH INFORMATION

PROPOSED PROFILE

EXISTING GROUND

FLOWLINE OF NEW SANITARY SEWER

300 LF - 8" @ 6.0%

TOP OF NEW 12" WATER MAIN (MONONA)

600 LF - 12" WATER MAIN

MH SAN-56
RIM=889.80
IE 8" N = 877.89
IE 8" S = 877.89

6.5' MIN.

905
900
895
890
885
880
875
870

98+00 99+00 100+00 101+00 102+00

PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023008_up.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

STA. 9+12 P, 5.44'LT
CONNECT TO EXIST. 10-INCH

STA. 8+76 P, 18.4'RT
FIRE HYDRANT
GROUND EL. 876.2±
FIRE HYDRANT TO BE PLACED PERPENDICULAR TO EXISTING ROADWAY.

STA. 8+73 P, 11'LT
10" X 6" TEE
10" WV EAST
10" WV WEST

MATCH LINE STA. 9+00 P

MATCH LINE STA. 9+00 P

STA. 9+67 P, 8.7'RT
CONNECT TO EXIST. 8"

STA. 9+12 P, 5.44'LT
BEND REQ'D

STA. 104+15, 38.7'LT
FIRE HYDRANT
GROUND EL. 884.4±

STA. 104+15, 3.0'LT
12" X 6" TEE
12" WV SOUTH
12" WV SOUTH

NEW 1½" WATER LATERAL (TYP.)

STA. 104+40, 22.0'LT
4' SANITARY MH
MH SAN-58

NEW 6" SANITARY LATERAL (TYP.)

MH SAN-60
STA. 107+43, 22.0'LT
4' SANITARY MH

STA. 107+19, 41.9'LT
FIRE HYDRANT
GROUND EL. 877.8±

STA. 107+19, 3.0'LT
12" X 6" TEE
12" WV SOUTH
6" WV WEST

PARKWAY ST.

MATCH LINE STA. 103+00

MATCH LINE STA. 109+00

MONONA DRIVE

ADJUST MH COVER

MH: 6350-005

STA. 107+50, 3.0'LT
STA. 9+97, 0.6'RT
12" X 10" TEE
10" WV WEST
12" WV NORTH

MH: 6349-009

NOTES:
FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
TEMPORARY WATER REQ'D DURING CONSTRUCTION.

APPROXIMATE EXISTING MG&E HIGH PRESSURE GAS MAIN BASED ON PROVIDED MG&E TEST HOLE DEPTH INFORMATION

MH SAN-58
RIM=882.88

TOP OF NEW 12" WATER MAIN (MONONA)

PROPOSED PROFILE

6.5' MIN.

EXISTING GROUND

MH SAN-60
RIM=877.80

240 LF - 8" @ 2.5%

IE 8" N = 871.89
IE 8" S = 871.89

303 LF - 8" @ 1.3%

600 - LF 12" WATER MAIN

FLOWLINE OF NEW SANITARY SEWER

IE 8" S = 867.95
IE 8" W = 867.86

APPROXIMATE ELEVATION OF DENSE SANDSTONE BEDROCK (BORING NO. 5)

APPROXIMATE ELEVATION OF WEATHER SANDSTONE BEDROCK (BORING NO. 5)

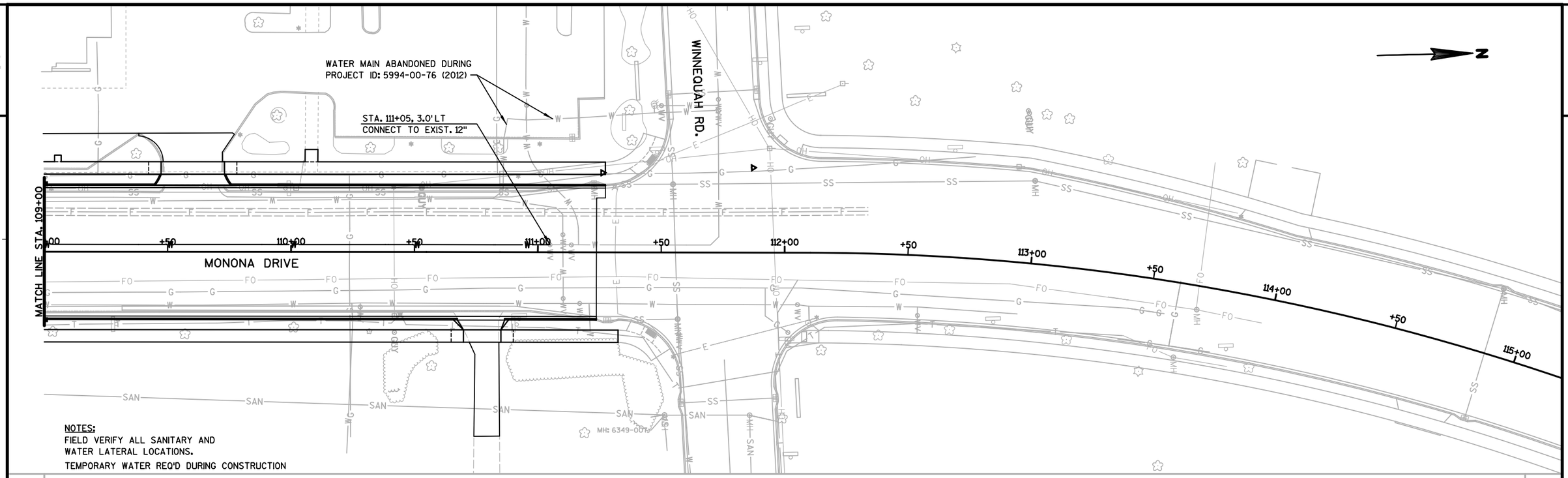
APPROXIMATE EXISTING AT&T CONDUIT LOCATION BASED ON PROVIDED AT&T TEST HOLE DEPTH INFORMATION

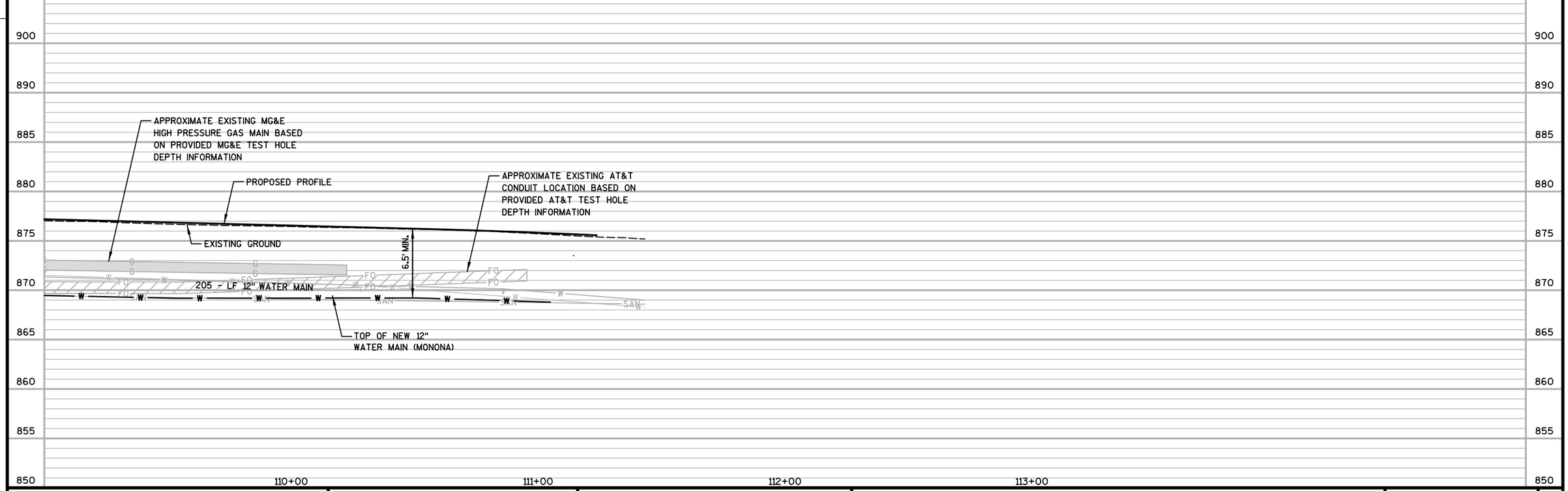
900 895 890 885 880 875 870 865 860 855

104+00 105+00 106+00 107+00 108+00

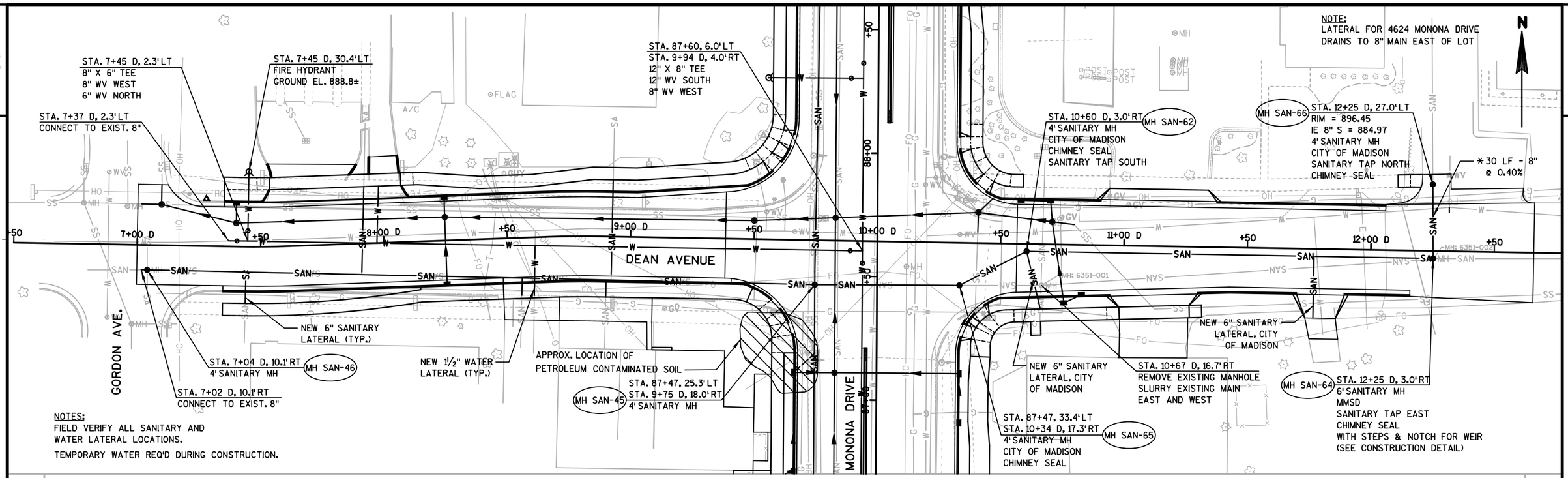
PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023009_up.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41





PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN	SHEET 112	E



PROJECT NO: 5994-00-77/78	HWY: MONONA DRIVE	COUNTY: DANE	UTILITY PLAN - DEAN AVENUE	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023011_up.dgn PLOT DATE : 10/6/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

GENERAL NOTES:

CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED UTILITIES AND SHALL ADJUST PLANT LOCATIONS AS NECESSARY TO AVOID CONFLICTS.

CONTRACTOR SHALL VERIFY THAT A MINIMUM DEPTH OF 24" OF TOPSOIL SPECIAL HAS BEEN PROVIDED FOR EACH TREE PER THE EXTENTS REQUIRED IN THE TREE PLANTING DETAIL ON SHEET L111 PRIOR TO PLANTING. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

SEE PLANT DATA TABLE ON SHEET L112 FOR PLANT SPACING REQUIREMENTS.

LANDSCAPE PLANS PREPARED BY KEN SAIKI DESIGN, MADISON, WI (608) 251-3600

WISCONSIN
DAVID KEN SAIKI
LA-76
MADISON WI
LANDSCAPE ARCHITECT

N

0' 10' 20' 40'

MONONA DRIVE

54+00 55+00 56+00 57+00 58+00 59+00 60+00

MATCH LINE STA. 60+00

HC 3

HC 2

SLOPE INTERCEPTS (TYP.)

PLANT KEY

SYM	COMMON NAME
Trees	
HC	Hackberry, 'Chicagoland'

LEGEND

- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L101	SHEET 114 E

PLANT KEY

SYM	COMMON NAME
Trees	
AM	Amur Maackia, 'Starburst'
BW	Birch, Whitespire (Shrub Form Tree)
HC	Hackberry, 'Chicagoland'
LA	Linden, American 'Sentry'
MS	Maple, 'Sienna Glenn'
PC	Pear, 'Cleveland Select'
Shrubs	
Ns	Ninebark, 'Summer Wine'
Sr	Serviceberry, 'Regent'
Sb	Spirea, Birchleaf 'Tor'

Perennials/Bulbs	
caf	Carnation, 'Arctic Fire'
cop	Chive, Ornamental 'Pink Giant'
cdo	Coneflower, Dwarf Orange 'Little Suzy'
dm	Daffodil Mix
dlb	Daylily, 'Little Business'
frg	Feather Reed Grass, 'Karl Foerster'
lb	Little Bluestem, 'The Blues'
mga	Moor Grass, Autumn
rsl	Russian Sage, 'Little Spire'
smn	Salvia, 'May Night'
sbz	Sedge, 'Blue Zinger'
saf	Sedum, 'Autumn Fire'
ssh	Switchgrass, 'Shenandoah'

N

0' 10' 20' 40'

NICHOLS RD.

MONONA DRIVE

PLANTING BED 2

SLOPE INTERCEPTS (TYP.)

MATCH LINE STA. 60+00

MATCH LINE STA. 66+00

EXISTING LAWN

WALL 1

WALL 2

PLANTING BED 1

PFLAUM RD.

PLANTING BED 1 ENLARGEMENT

MATCH EDGING INTO EXISTING BED

MATCH EDGING INTO EXISTING BED

LEGEND

- SHRUB
- PERENNIAL (GRASS)
- PERENNIAL (FORB)
- BULB

0' 4' 8' 16'

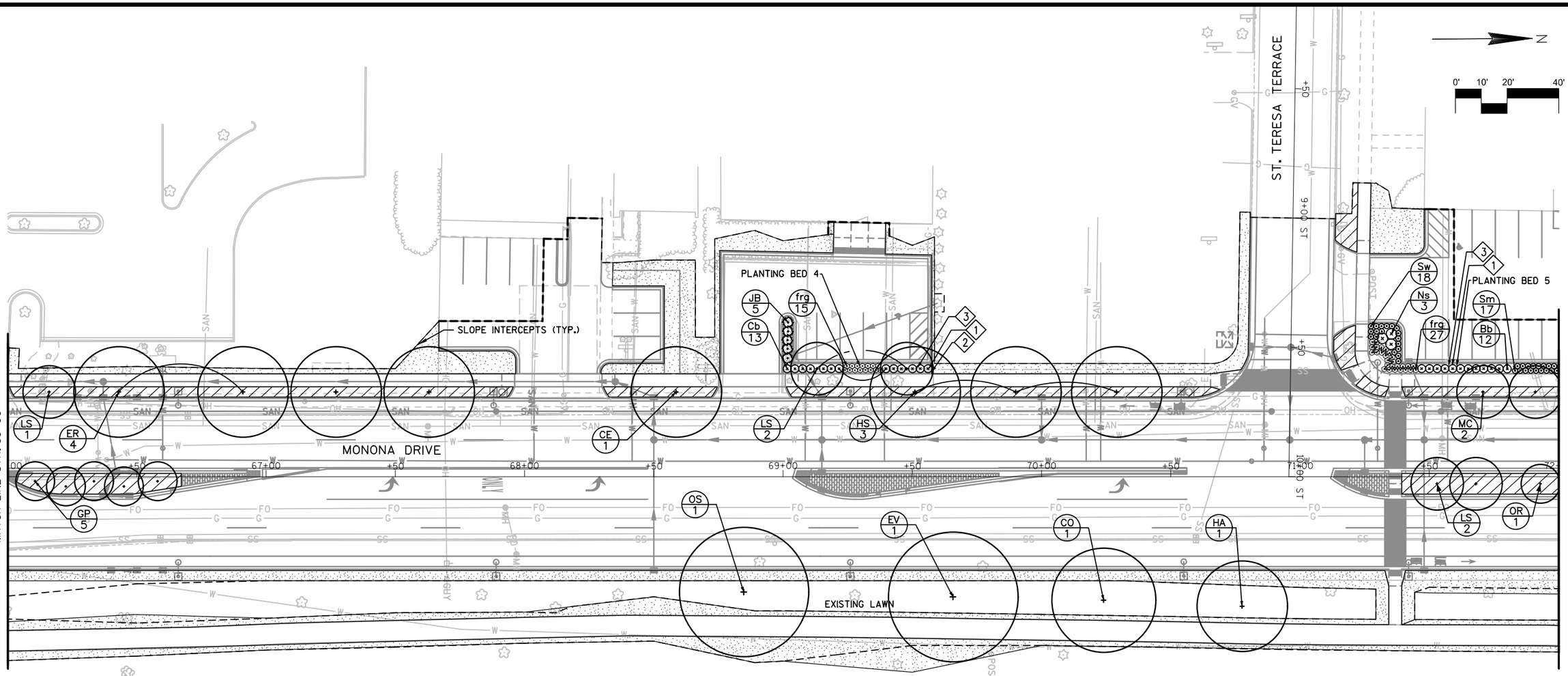
LEGEND

- PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- PLANTING MIXTURE
- SHOVEL CUT EDGING
- SHREDDED HARDWOOD BARK MULCH

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L102	SHEET 115	E

FILE NAME : Q:...1-002 Monona Drive Phase 3\CAD - Working Drawings _023102_pl.dgn | PLOT DATE : July 23, 2012 | PLOT BY : KSD | PLOT NAME : | PLOT SCALE :

WISDOT/CADDS SHEET 42



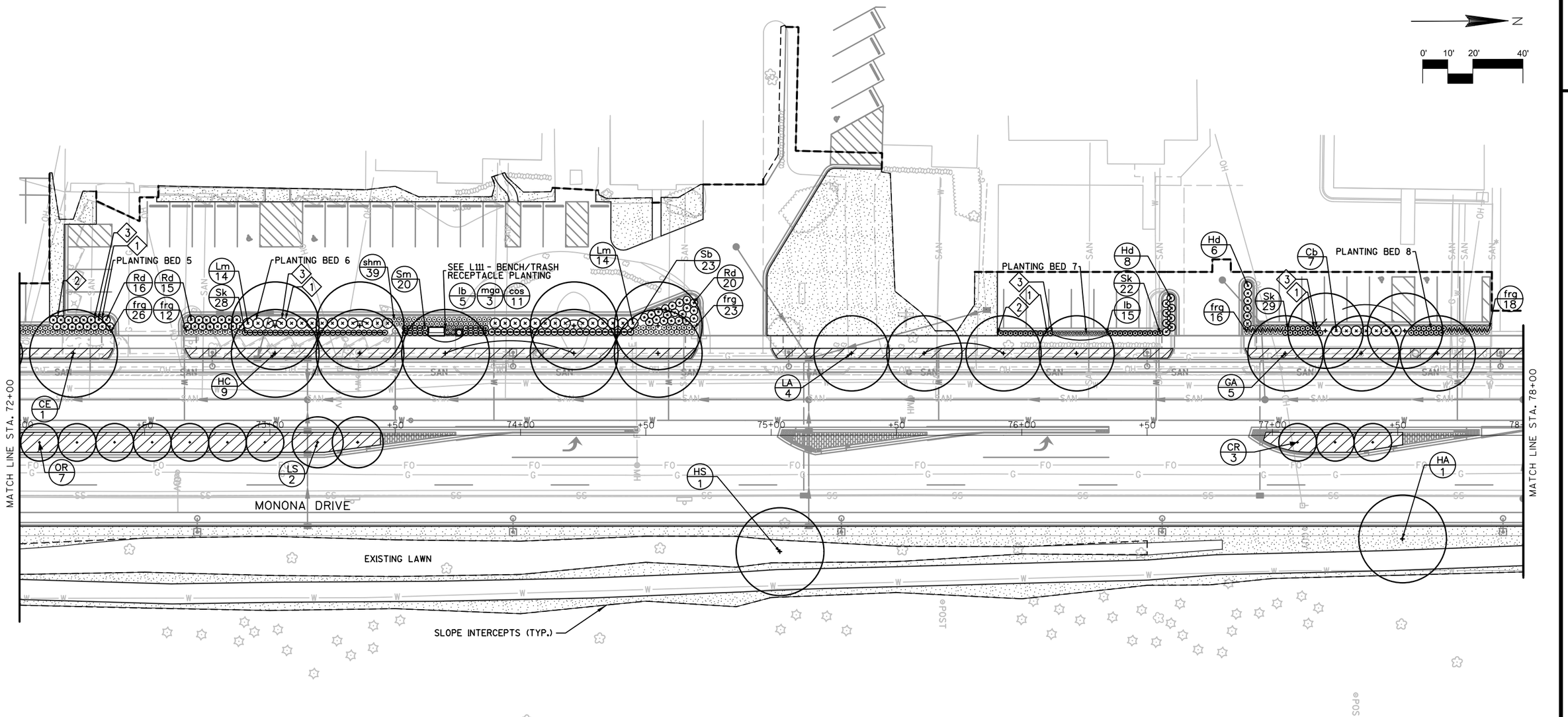
PLANT KEY

SYM	COMMON NAME
Trees	
CO	Coffeetree
CE	Coffeetree, 'Espresso'
ER	Elm, 'Regal'
EV	Elm, 'Valley Forge'
GP	Ginkgo, 'Princeton Sentry'
HA	Hackberry
HS	Honeylocust, 'Skyline'
LS	Lilac, 'Summer Snow'
MC	Maple, 'Celebration'
OR	Oak, 'Regal Prince'
OS	Oak, Swamp White
Shrubs	
Bb	Burning Bush, 'Rudy Haag'
Cb	Chokeberry, Black 'Iroquois Beauty'
JB	Juniper, 'Broadmoor'
Ns	Ninebark, 'Summer Wine'
Sm	Spirea, 'Magic Carpet'
Sw	St. John's Wort, Kalm's
Perennials	
frg	Feather Reed Grass, 'Karl Foerster'

LEGEND

- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L103	SHEET 116 E



PLANT KEY

SYM	COMMON NAME
Trees	
CE	Coffeetree, 'Espresso'
CR	Crabapple, 'Royal Raindrops'
GA	Ginkgo, 'Autumn Gold'
HA	Hackberry
HC	Hackberry, 'Chicagoland'
HS	Honeylocust, 'Skyline'
LS	Lilac, 'Summer Snow'
LA	Linden, American 'Sentry'
OR	Oak, 'Regal Prince'
Shrubs	
Cb	Chokeberry, Black 'Iroquois Beauty'
Hd	Dwarfbush Honeysuckle, 'Jewell'
Lm	Lilac, Meyeri
Rd	Rose, 'Dwarf Pavement'
Sb	Spirea, Birchleaf 'Tor'
Sk	Spirea, Korean
Sm	Spirea, 'Magic Carpet'

Perennials	
cos	Chive, Ornamental 'Summer Beauty'
frg	Feather Reed Grass, 'Karl Foerster'
lb	Little Bluestem, 'The Blues'
mga	Moor Grass, Autumn
shm	Switchgrass, 'Heavy Metal'

LEGEND

- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

2

N

0' 10' 20' 40'

MATCH LINE STA. 78+00

MATCH LINE STA. 84+00

PLANTING BED 9

PLANTING BED 10

SLOPE INTERCEPTS (TYP.)

MONONA DRIVE

Si 11
Si 5
Sb 13
Ib 24
HS 1
ER 1
HF 1
EF 1
HN 3
Hd 25
Ib 14
frg 17
Sk 19
Cb 9
Sk 21
frg 12
PK 1
HS 5
LS 2
HW 3

PLANT KEY

SYM	COMMON NAME
Trees	
EF	Elm, 'Frontier'
ER	Elm, 'Regal'
HW	Hawthorn, 'Winter King'
HS	Honeylocust, 'Skyline'
HN	Honeylocust, 'Sunburst'
HF	Horsechestnut, 'Ft. McNair'
LS	Lilac, 'Summer Snow'
PK	Pear, Korean Sun
Shrubs	
Cb	Chokeberry, Black 'Iroquois Beauty'
Hd	Honeysuckle, Dwarfbush 'Jewell'
Sb	Spirea, Birchleaf 'Tor'
Sj	Spirea, Japanese 'Froebel'
Sk	Spirea, Korean
Perennials	
frg	Feather Reed Grass, 'Karl Foerster'
lb	Little Bluestem, 'The Blues'

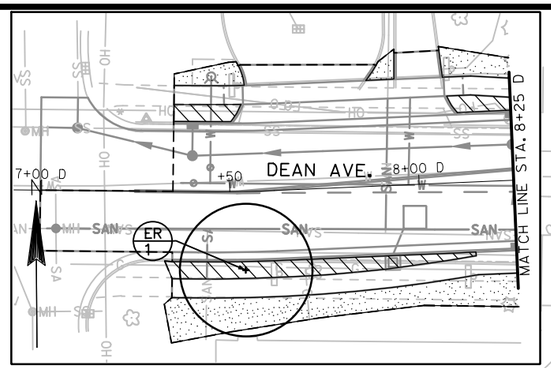
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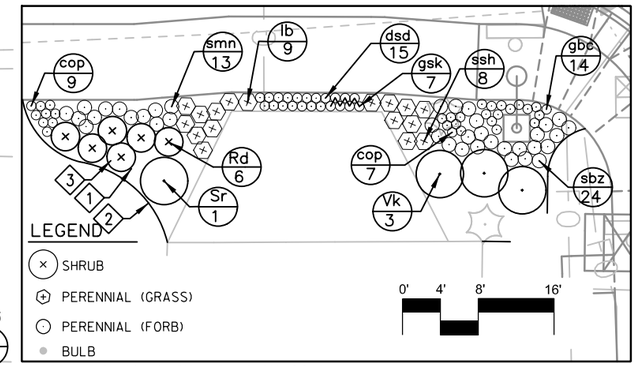
- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PLANT KEY

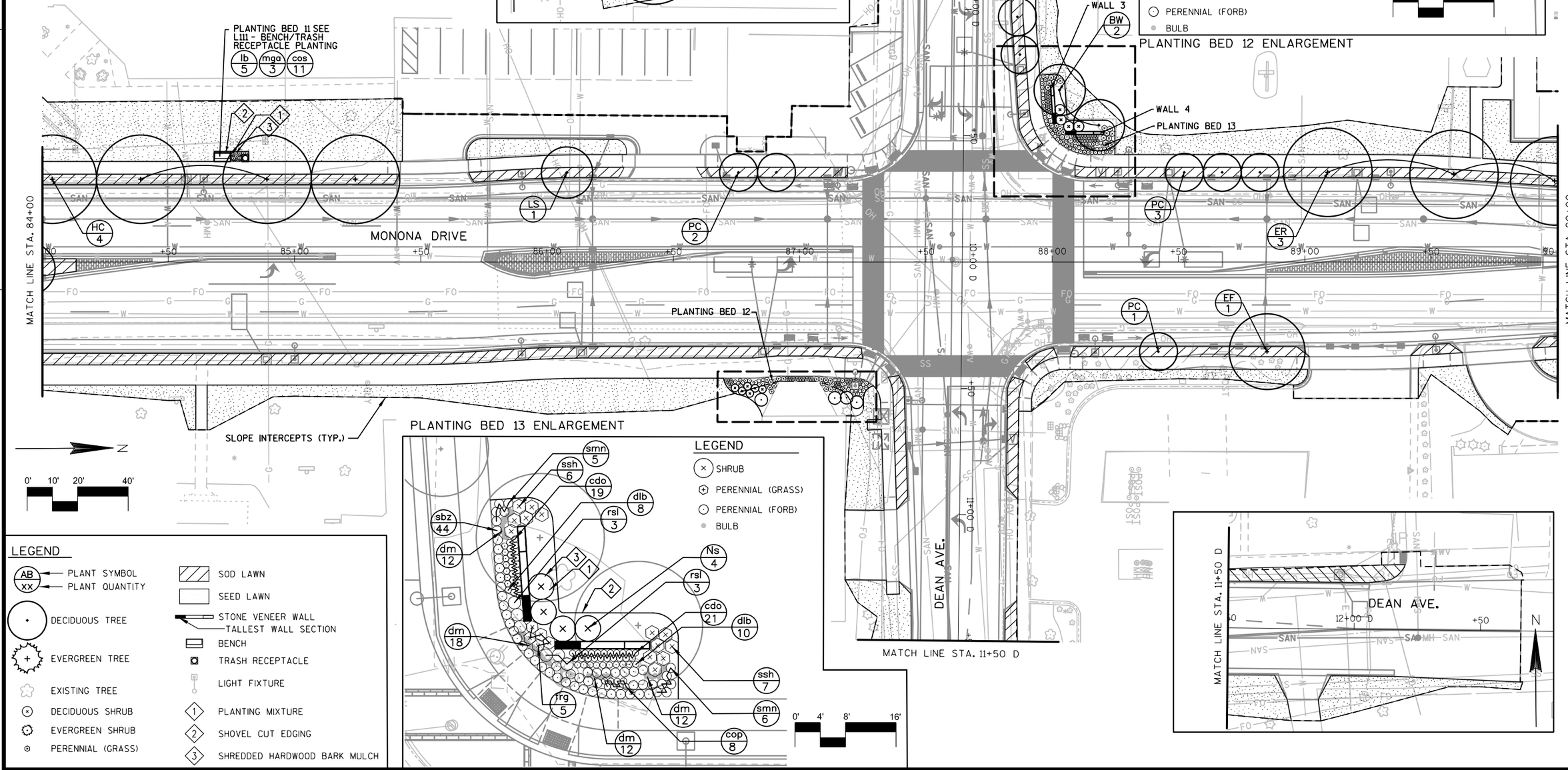
SYM	COMMON NAME
Trees	
BW	Birch, Whitespire (Shrub Form Tree)
EF	Elm, 'Frontier'
ER	Elm, 'Regal'
HC	Hackberry, 'Chicagoland'
LS	Lilac, 'Summer Snow'
PC	Pear, 'Cleveland Select'
Shrubs	
Ns	Ninebark, 'Summer Wine'
Rd	Rose, 'Dwarf Pavement'
Sr	Serviceberry, 'Regent'
Vk	Viburnum, Koreanspice Compact

Perennials/Bulbs	
cop	Chive, Ornamental 'Pink Giant'
cos	Chive, Ornamental 'Summer Beauty'
cdo	Coneflower, Dwarf Orange 'Little Suzy'
dm	Daffodil Mix
dlb	Daylily, 'Little Business'
dsd	Daylily, 'Stella de Oro'
frg	Feather Reed Grass, 'Karl Foerster'
gsk	Gayfeather, Spiked 'Kobold'
gbc	Geranium, 'Biokovo Karmina'
lb	Little Bluestem, 'The Blues'
mga	Moor Grass, Autumn
rsl	Russian Sage, 'Little Spire'
smn	Salvia, 'May Night'
sbz	Sedge, 'Blue Zinger'
ssh	Switchgrass, 'Shenandoah'





PLANTING BED 12 ENLARGEMENT



PLANTING BED 13 ENLARGEMENT

LEGEND

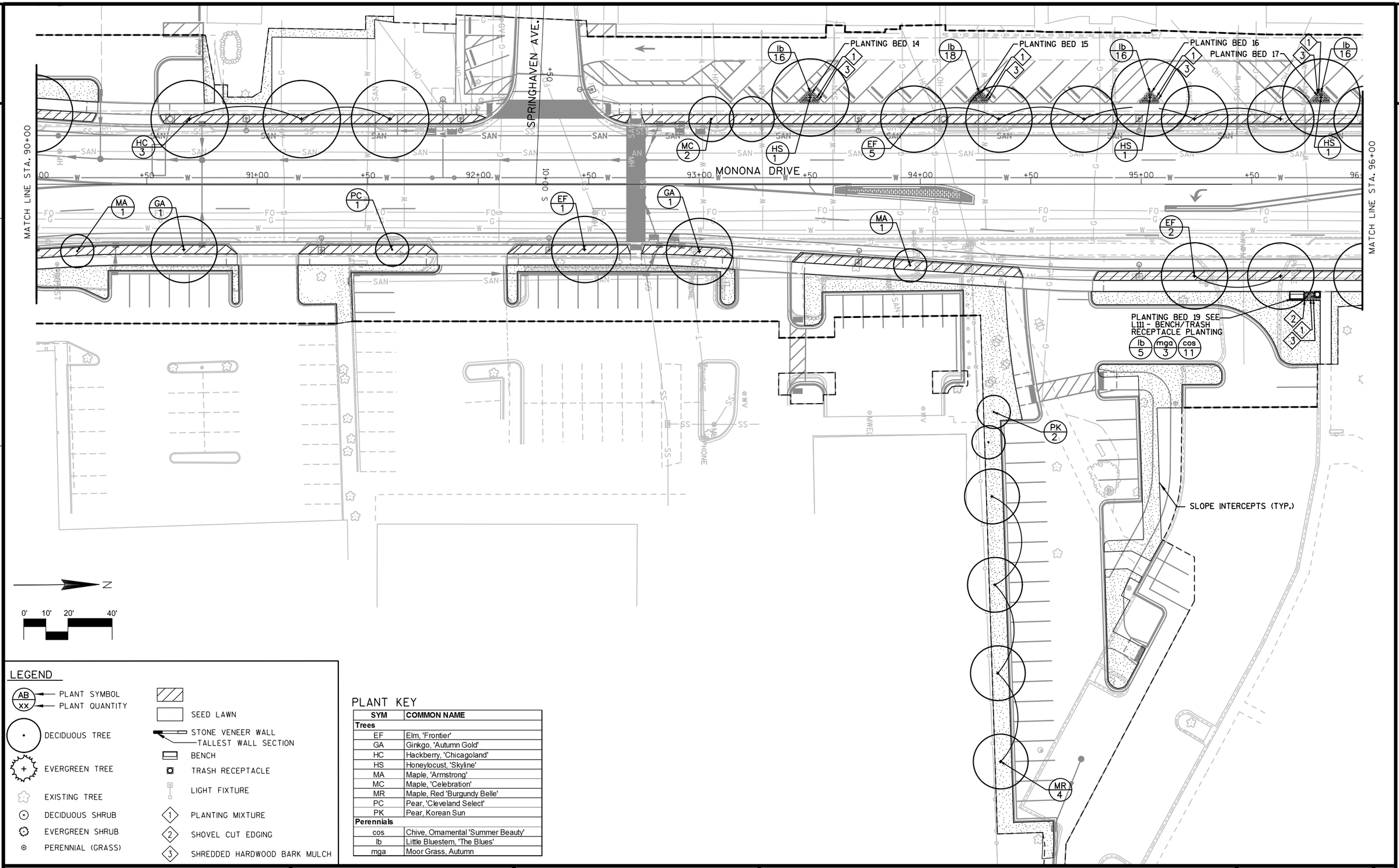
- AB / xx — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L106	SHEET 119 E

FILE NAME : Q:...1-002 Monona Drive Phase 3\CAD□ - Working Drawings _023106_pl.dgn | PLOT DATE : July 23, 2012 | PLOT BY : KSD | PLOT NAME : | PLOT SCALE :

WISDOT/CADDS SHEET 42

2



LEGEND

- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PLANT KEY

SYM	COMMON NAME
Trees	
EF	Elm, 'Frontier'
GA	Ginkgo, 'Autumn Gold'
HC	Hackberry, 'Chicagoland'
HS	Honeylocust, 'Skyline'
MA	Maple, 'Armstrong'
MC	Maple, 'Celebration'
MR	Maple, Red 'Burgundy Belle'
PC	Pear, 'Cleveland Select'
PK	Pear, Korean Sun
Perennials	
cos	Chive, Ornamental 'Summer Beauty'
lb	Little Bluestem, 'The Blues'
mga	Moor Grass, Autumn

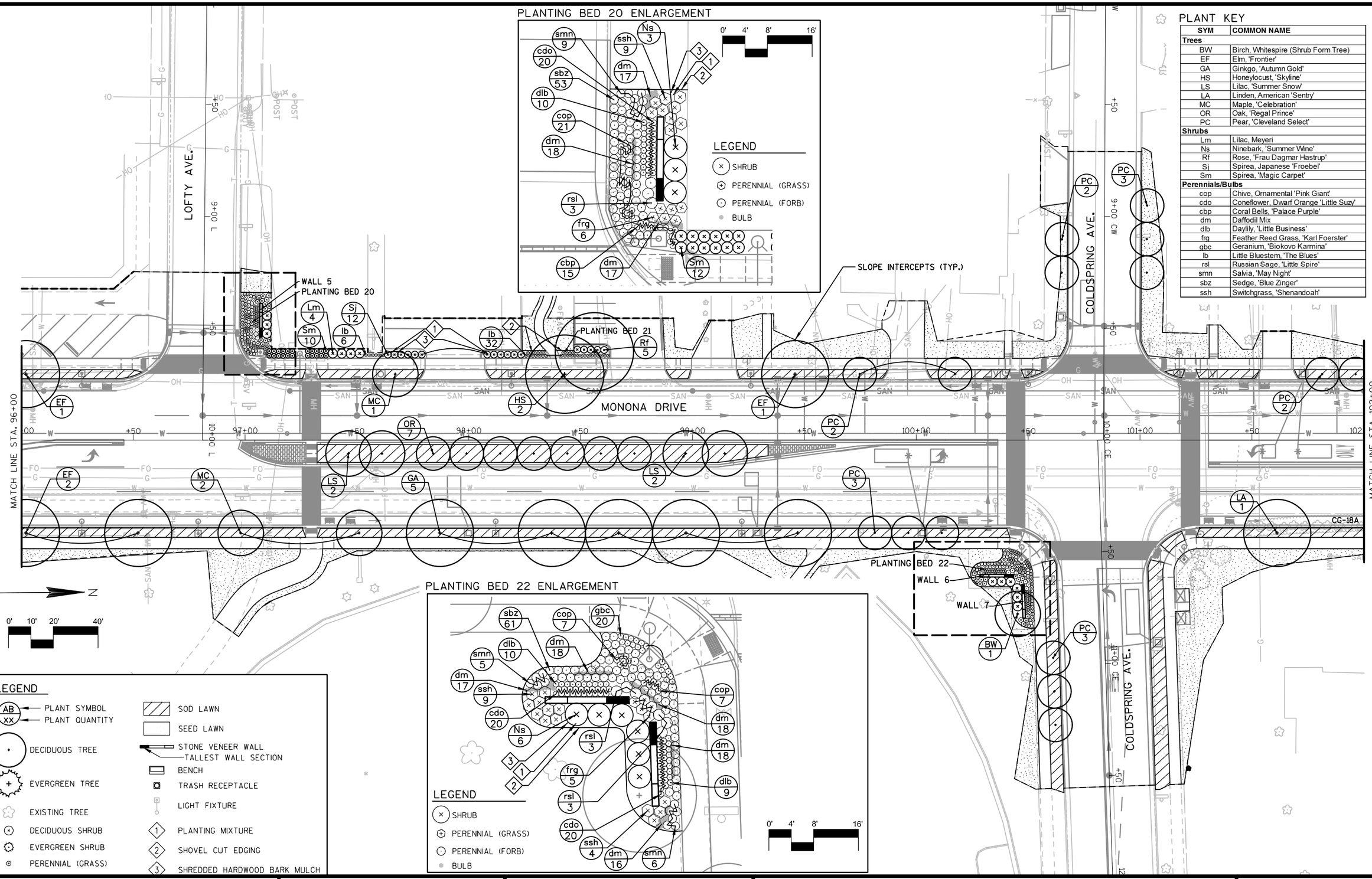
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L107	SHEET 120 E

2

PLANTING BED 20 ENLARGEMENT

PLANT KEY

SYM	COMMON NAME
Trees	
BW	Birch, Whitespire (Shrub Form Tree)
EF	Elm, 'Frontier'
GA	Ginkgo, 'Autumn Gold'
HS	Honeylocust, 'Skyline'
LS	Lilac, 'Summer Snow'
LA	Linden, American 'Sentry'
MC	Maple, 'Celebration'
OR	Oak, 'Regal Prince'
PC	Pear, 'Cleveland Select'
Shrubs	
Lm	Lilac, Meyeri
Ns	Ninebark, 'Summer Wine'
Rf	Rose, 'Frau Dagmar Hastrup'
Sj	Spirea, Japanese 'Froebel'
Sm	Spirea, 'Magic Carpet'
Perennials/Bulbs	
cop	Chive, Ornamental 'Pink Giant'
cdo	Coneflower, Dwarf Orange 'Little Suzy'
cbp	Coral Bells, 'Palace Purple'
dm	Daffodil Mix
dlb	Daylily, 'Little Business'
frg	Feather Reed Grass, 'Karl Foerster'
gbc	Geranium, 'Biokovo Karmina'
lb	Little Bluestem, 'The Blues'
rsl	Russian Sage, 'Little Spire'
smn	Salvia, 'May Night'
sbz	Sedge, 'Blue Zinger'
ssh	Switchgrass, 'Shenandoah'



N

0' 10' 20' 40'

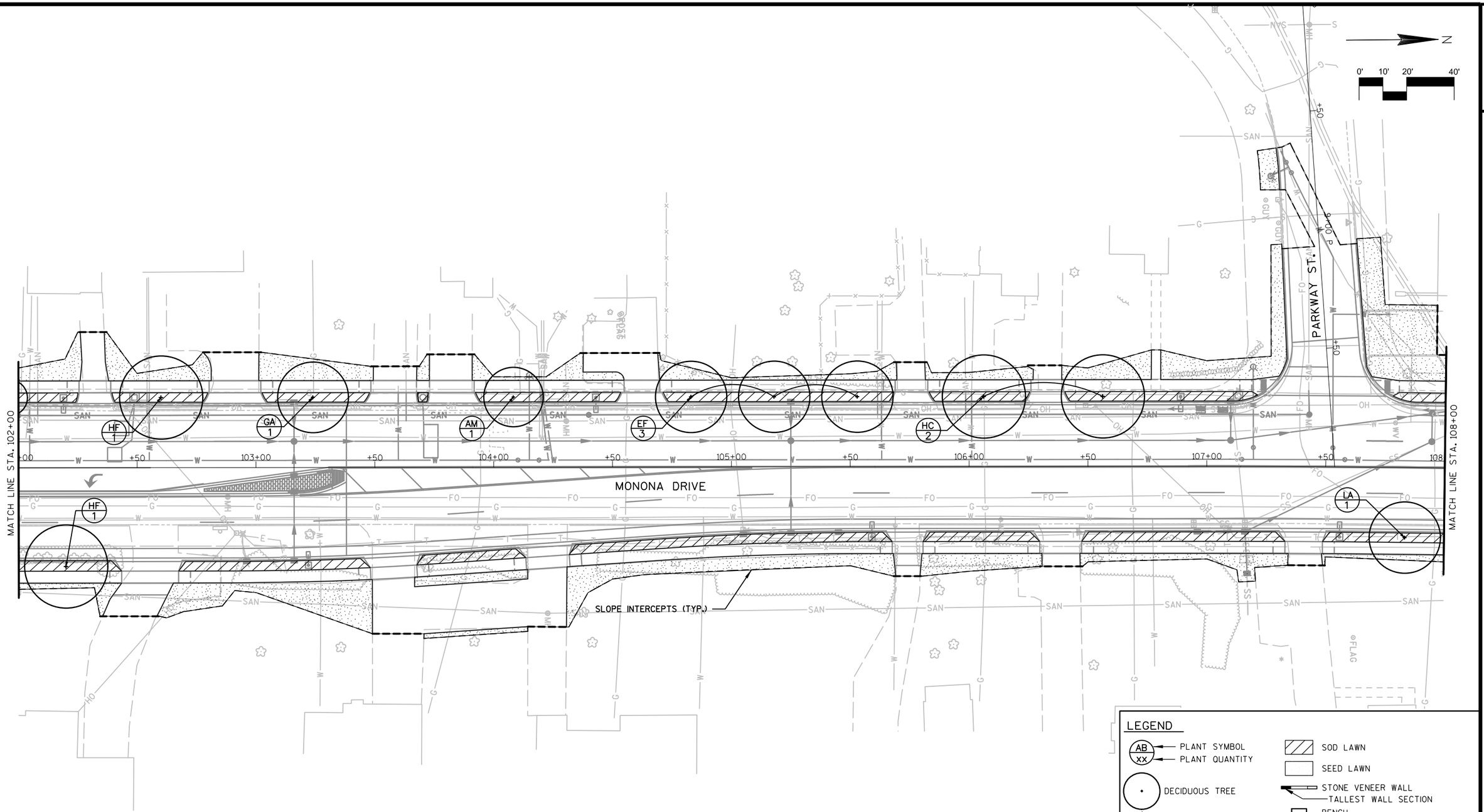
PLANTING BED 22 ENLARGEMENT

LEGEND

- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L108	SHEET 121	E

2



PLANT KEY

SYM	COMMON NAME
Trees	
AM	Amur Maackia, 'Starburst'
EF	Elm, 'Frontier'
GA	Ginkgo, 'Autumn Gold'
HC	Hackberry, 'Chicagoland'
HF	Horsechestnut, 'Ft. McNair'
LA	Linden, American 'Sentry'

LEGEND

- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L109	SHEET 122	E

2

N

0' 10' 20' 40'

PLANTING BED 23 SEE L111 - BENCH/TRASH RECEPTACLE PLANTING

lb 5 | mga 3 | cos 11

2 | 1 | 3

ER 3

HC 3

GA 1

HF 1

LA 1

EF 1

MONONA DRIVE

WINNEQUAH RD.

WINNEQUAH RD.

SLOPE INTERCEPTS (TYP.)

MATCH LINE STA. 108+00

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00

PLANT KEY

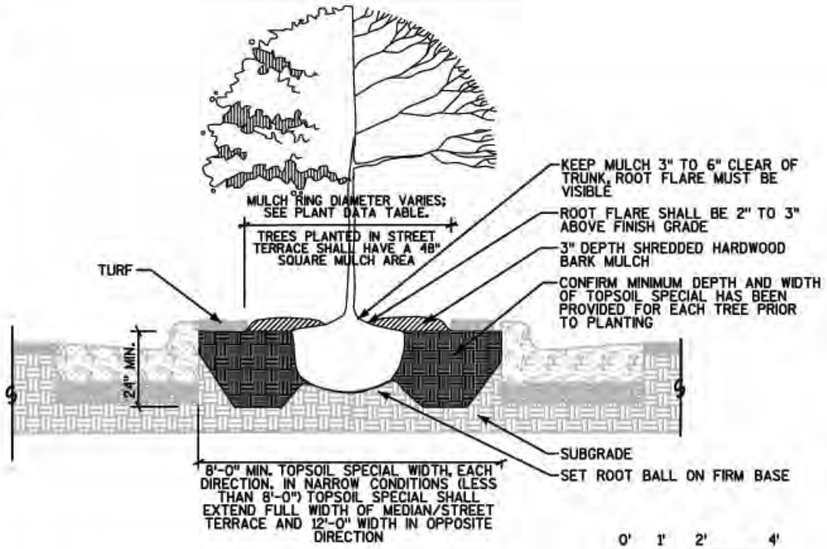
SYM	COMMON NAME
Trees	
EF	Elm, 'Frontier'
ER	Elm, 'Regal'
GA	Ginkgo, 'Autumn Gold'
HC	Hackberry, 'Chicagoland'
HF	Horsechestnut, 'Ft. McNair'
LA	Linden, American 'Sentry'
Perennials	
cos	Chive, Ornamental 'Summer Beauty'
lb	Little Bluestem, 'The Blues'
mga	Moor Grass, Autumn

LEGEND

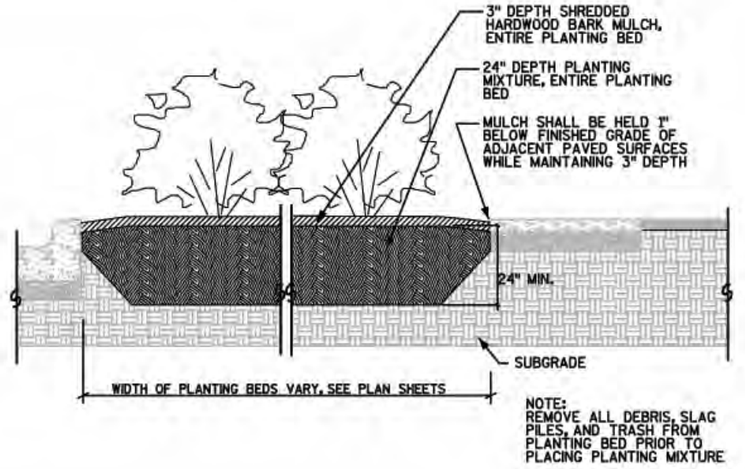
- AB / XX — PLANT SYMBOL / PLANT QUANTITY
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREE
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- PERENNIAL (GRASS)
- SOD LAWN
- SEED LAWN
- STONE VENEER WALL / TALLEST WALL SECTION
- BENCH
- TRASH RECEPTACLE
- LIGHT FIXTURE
- 1 — PLANTING MIXTURE
- 2 — SHOVEL CUT EDGING
- 3 — SHREDDED HARDWOOD BARK MULCH

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE PLAN - L110	SHEET 123 E

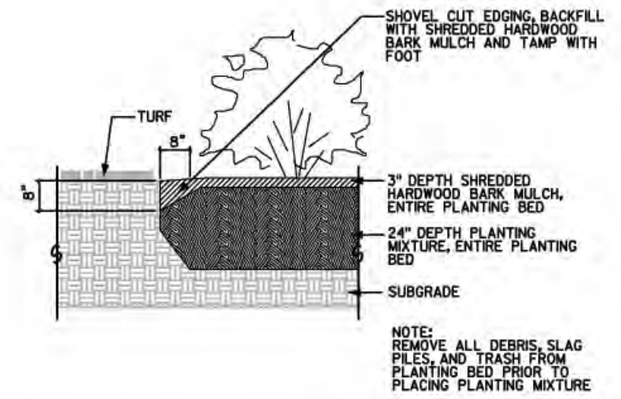
FILE NAME : Q:...1-002 Monona Drive Phase 3\CAD□ - Working Drawings_023110_pl.dgn | PLOT DATE : July 23, 2012 | PLOT BY : KSD | PLOT NAME : | PLOT SCALE :



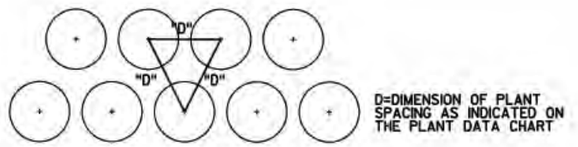
① TREE PLANTING



② PLANTING BED

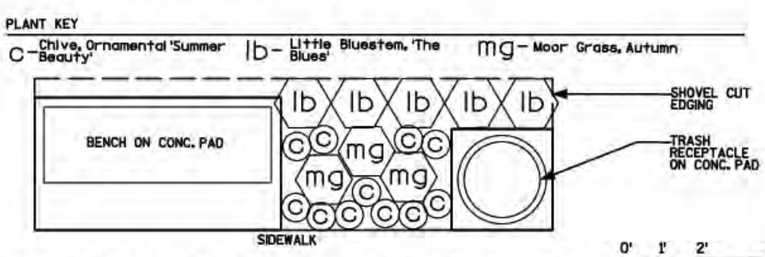


③ SHOVEL CUT EDGING

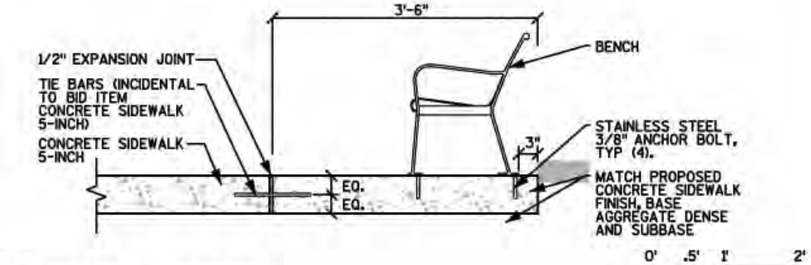


④ PLANT SPACING DIAGRAM

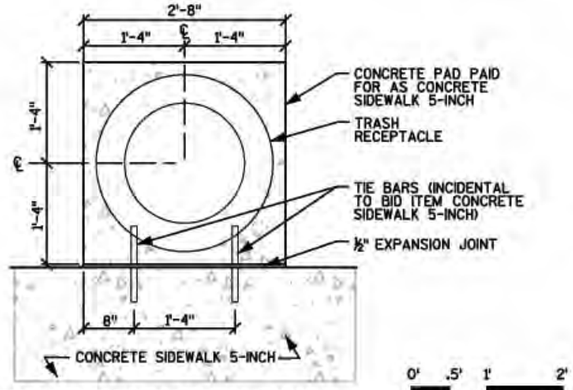
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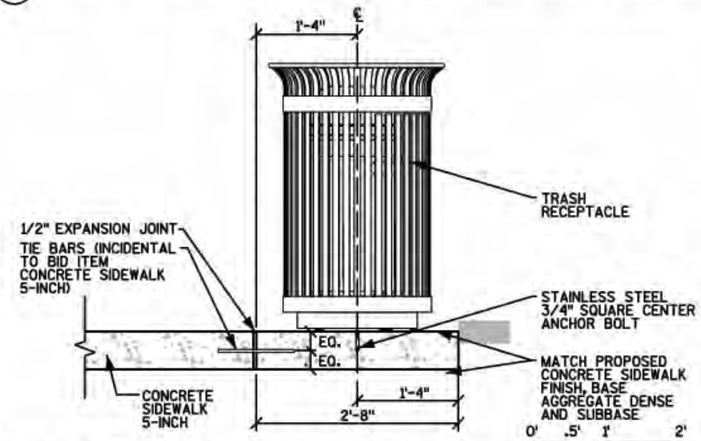
⑤ BENCH/TRASH RECEPTACLE PLANTING, TYP.



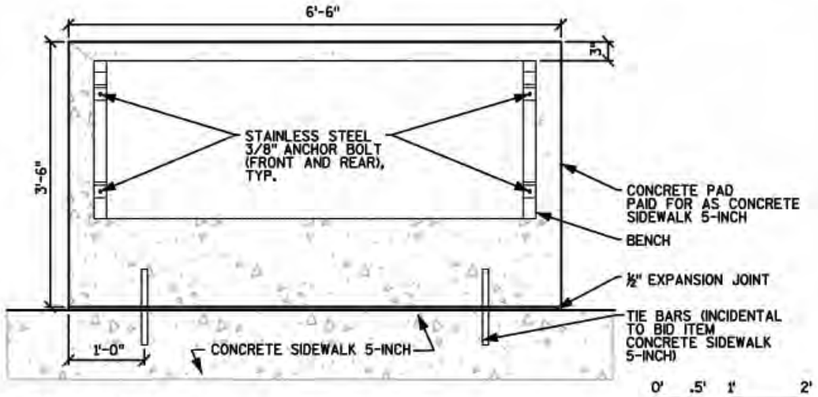
⑥ BENCH SECTION



⑦ TRASH RECEPTACLE PLAN



⑧ TRASH RECEPTACLE SECTION



⑨ BENCH PLAN

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LANDSCAPE DETAILS - L111	SHEET E

FILE NAME : Q:...1-002 Monona Drive Phase 3\CAD\... - Working Drawings_023111pl.dgn PLOT DATE : July 23, 2012 PLOT BY : KSD PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Plant Spacing	Size When Planted	Root Zone Mode	Minimum Size					Fertilizer Units Required	Mulch Ring Required	Notes
								Ball/Pot		Root	Plant Hole				
								Diameter	Depth	Spread	Diameter	Depth			
	Canopy Trees														
AM	Amur Maackia, 'Starburst'	*Maackia amurensis 'Starburst'*	1T	25'-0" Ht.	Per Plans	2" Cal.	B&B	28"	17"	----------	48"	17"	4	60"	center in street terrace
BW	Birch, Whitespire (Shrub Form Tree)	*Betula populifolia* 'Whitespire' (Shrub Form Tree)	1T	35'-0" Ht.	Per Plans	8' Ht.	B&B	28"	17"	----------	48"	17"	4	60"	----------
CO	Coffeetree	*Gymnocladus dioicus*	1T	50'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	----------
CE	Coffeetree, 'Espresso'	*Gymnocladus dioicus* 'Espresso'	1T	50'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	center in street terrace
EF	Elm, 'Frontier'	*Ulmus* 'Frontier'	1T	45'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	center in street terrace
ER	Elm, 'Regal'	*Ulmus 'Regal'*	1T	50'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	center in street terrace
EV	Elm, 'Valley Forge'	*Ulmus x* 'Valley Forge'	1T	50'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	----------
GA	Ginkgo, 'Autumn Gold'	*Ginkgo biloba* 'Autumn Gold'	1T	35'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	center in street terrace
GP	Ginkgo, 'Princeton Sentry'	*Ginkgo biloba* 'Princeton Sentry'	1T	35'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	----------
HA	Hackberry	*Celtis occidentalis*	1T	40'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	----------
HC	Hackberry, 'Chicagoland'	*Celtis occidentalis* 'Chicagoland'	1T	40'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	center in street terrace
HS	Honeylocust, 'Skyline'	*Gleditsia triacanthos* 'Skycole'	1T	55'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	center in street terrace
HN	Honeylocust, 'Sunburst'	*Gleditsia triacanthos* 'Suncole'	1T	35'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	----------
HF	Horsechestnut, 'Ft. McNair'	*Aesculus x carnea* 'Ft. McNair'	1T	35'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	center in street terrace
LA	Linden, American 'Sentry'	*Tilia americana* 'Sentry'	1T	50'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	center in street terrace
MA	Maple, 'Armstrong'	*Acer x freemanii* 'Armstrong'	1T	50'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	center in street terrace
MC	Maple, 'Celebration'	*Acer x freemanii* 'Celzam'	1T	45'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	center in street terrace
MR	Maple, Red 'Burgundy Belle'	*Acer rubrum* 'Magnificent Magenta'	1T	45'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	----------
MS	Maple, 'Sienna Glenn'	*Acer x freemanii* 'Sienna'	1T	40'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	64"	center in street terrace
OR	Oak, 'Regal Prince'	*Quercus x warei*	1T	50'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	----------
OS	Oak, Swamp White	*Quercus bicolor*	1T	75'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	52"	17"	6	64"	----------
PC	Pear, 'Cleveland Select'	*Pyrus calleryana* 'Cleveland Select'	1T	35'-0" Ht.	Per Plans	2 1/2" Cal.	B&B	28"	17"	----------	48"	17"	6	60"	center in street terrace
	Deciduous Ornamental Trees														
CR	Crabapple, 'Royal Raindrops'	*Malus* 'Royal Raindrops'	3T	20'-0" Ht.	Per Plans	2" Cal.	B&B	28"	17"	----------	48"	17"	4	60"	----------
HW	Hawthorn, 'Winter King'	*Crataegus viridis* 'Winter King'	3T	25'-0" Ht.	Per Plans	2" Cal.	B&B	28"	17"	----------	48"	17"	4	60"	----------
LS	Lilac, 'Summer Snow'	*Syringa reticulata* 'Summer Snow'	3T	20'-0" Ht.	Per Plans	2" Cal.	B&B	28"	17"	----------	48"	17"	4	60"	----------
PK	Pear, Korean Sun	*Pyrus fauriei* 'Westwood'	3T	15'-0" Ht.	Per Plans	2" Cal.	B&B	28"	17"	----------	48"	17"	4	60"	----------
	Evergreens														
JB	Juniper, 'Broadmoor'	*Juniperus sabina* 'Broadmoor'	7E	1'-0" Ht.	3'-6" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
	Deciduous Ornamental Shrubs														
Bb	Burning Bush, 'Rudy Haag'	*Euonymus alata* 'Rudy Haag'	4S	4'-0" Ht.	3'-0" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
Cb	Chokeberry, Black 'Iroquois Beauty'	*Aronia melanocarpa* 'Morton'	4S	3'-0" Ht.	4'-0" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
Hd	Honeysuckle, Dwarfbush 'Jewell'	*Diervilla lonicera* 'Jewell'	4S	3'-0" Ht.	3'-0" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
Lm	Lilac, Meyeri	*Syringa meyeri* 'Palibin'	4S	4'-0" Ht.	4'-0" o.c.	24" Ht./#3	CONT	12"	12"	----------	36"	12"	2	BED	keep center of plant 30" off sidewalk min.
Ns	Ninebark, 'Summer Wine'	*Physocarpus opulifolius* 'Seward'	4S	5'-0" Ht.	4'-0" o.c.	24" Ht./#3	CONT	12"	12"	----------	36"	12"	2	BED	keep center of plant 24" off sidewalk min.
Rd	Rose, 'Dwarf Pavement'	*Rosa rugosa* 'Dwarf Pavement'	4S	3'-0" Ht.	3'-0" o.c.	24" Ht./#3	CONT	12"	12"	----------	36"	12"	2	BED	keep center of plant 24" off sidewalk min.
Rf	Rose, 'Frau Dagmar Hastrup'	*Rosa rugosa* 'Frau Dagmar Hastrup'	4S	3'-0" Ht.	3'-0" o.c.	24" Ht./#3	CONT	12"	12"	----------	36"	12"	2	BED	keep center of plant 24" off sidewalk min.
Sb	Spirea, Birchleaf 'Tor'	*Spiraea betulifolia* 'Tor'	4S	2'-0" Ht.	2'-6" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
Sj	Spirea, Japanese 'Froebel'	*Spiraea japonica* 'Froebelii'	4S	3'-0" Ht.	3'-0" o.c.	24" Ht./#3	CONT	12"	12"	----------	36"	12"	2	BED	----------
Sk	Spirea, Korean	*Spiraea fritschiana*	4S	3'-0" Ht.	2'-0" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
Sm	Spirea, 'Magic Carpet'	*Spiraea japonica* 'Magic Carpet'	4S	2'-0" Ht.	2'-0" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
Sr	Serviceberry, 'Regent'	*Amelanchier alnifolia* 'Regent'	4S	5'-0" Ht.	5'-0" o.c.	24" Ht./#3	CONT	12"	12"	----------	36"	12"	2	BED	----------
Sw	St. John's Wort, Kalm's	*Hypericum kalmianum* 'Ames'	4S	3'-0" Ht.	2'-0" o.c.	18" Ht./#2	CONT	12"	12"	----------	36"	12"	2	BED	----------
Vk	Viburnum, Koreanspice Compact	*Viburnum carlesii* 'Compactum'	4S	4'-0" Ht.	5'-0" o.c.	24" Ht./#3	CONT	12"	12"	----------	36"	12"	2	BED	----------
	Perennials/ Ornamental Grasses														
caf	Carnation, 'Arctic Fire'	*Dianthus* 'Arctic Fire'	1V	6" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
cop	Chive, Ornamental 'Pink Giant'	*Allium schoenoprasum var sibiricum* 'Pink Giant'	1V	14" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
cos	Chive, Ornamental 'Summer Beauty'	*Allium tanguticum* 'Summer Beauty'	1V	18" Ht.	9" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
cdo	Coneflower, Dwarf Orange 'Little Suzy'	*Rudbeckia speciosa* 'Viette's Little Suzy'	1V	24" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
cbp	Coral Bells, 'Palace Purple'	*Heuchera x* 'Palace Prupie'	1V	12" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
dlb	Daylily, 'Little Business'	*Hemerocallis* 'Little Business'	1V	16" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
dsd	Daylily, 'Stella de Oro'	*Hemerocallis* 'Stella de Oro'	1V	18" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
frg	Feather Reed Grass, 'Karl Foerster'	*Calamagrostis x acutiflora* 'Karl Foerster'	1V	30" Ht.	24" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	keep center of plant 18" off sidewalk min.
gsk	Gayfeather, Spiked 'Kobold'	*Liatris spicata* 'Kobold'	1V	24" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
gbc	Geranium, 'Biokovo Karmina'	*Geranium x cantabrigiense* 'Biokovo Karmina'	1V	12" Ht.	12" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
lb	Little Bluestem 'The Blues'	*Schizachyrium scoparium* 'The Blues'	1V	24" Ht.	18" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	keep center of plant 12" off sidewalk min.
mga	Moor Grass, Autumn	*Sesleria autumnalis*	1V	14" Ht.	18" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
rsl	Russian Sage, 'Little Spire'	*Perovskia atriplicifolia* 'Little Spire'	1V	24" Ht.	24" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
smn	Salvia, 'May Night'	*Salvia nemorosa* 'May Night'	1V	16" Ht.	18" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
saf	Sedum, 'Autumn Fire'	*Sedum x* 'Autumn Fire'	1V	24" Ht.	18" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
sbz	Sedge, 'Blue Zinger'	*Carex glauca* 'Blue Zinger'	1V	8" Ht.	18" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	----------
shm	Switchgrass, 'Heavy Metal'	*Panicum virgatum* 'Heavy Metal'	1V	36" Ht.	24" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	keep center of plant 24" off sidewalk min.
ssh	Switchgrass, 'Shenandoah'	*Panicum virgatum 'Shenandoah'*	1V	36" Ht.	24" o.c.	1 gal.	CONT	8"	10"	----------	16"	10"	1	BED	keep center of plant 24" off sidewalk min.
	Bulbs														
dm	Daffodil Mix	*Narcissus Mix*	1B	18-22" Ht.	Massings of 12-18	DNI	BULB	-------	-------	-------	14"	6"	-------	BED	----------

PLANT QUANTITIES TABLE

Symbol	Common Name	Scientific Name	Size When Planted	Root Zone Mode	L101	L102	L103	L104	L105	L106	L107	L108	L109	L110	Totals
	Canopy Trees														
AM	Amur Maackia, 'Starburst'	*Maackia amurensis 'Starburst'*	2" Cal.	B&B		3							1		4
BW	Birch, Whitespire (Shrub Form Tree)	*Betula populifolia* 'Whitespire' (Shrub Form Tree)	8' Ht.	B&B		1				2		1			4
CO	Coffeetree	*Gymnocladus dioicus*	2 1/2" Cal.	B&B			1								1
CE	Coffeetree, 'Espresso'	*Gymnocladus dioicus* 'Espresso'	2 1/2" Cal.	B&B			1	1							2
EF	Elm, 'Frontier'	*Ulmus* 'Frontier'	2 1/2" Cal.	B&B					1	1	8	4	3	1	18
ER	Elm, 'Regal'	*Ulmus 'Regal'*	2 1/2" Cal.	B&B			4		1	4				3	12
EV	Elm, 'Valley Forge'	*Ulmus x* 'Valley Forge'	2 1/2" Cal.	B&B			1								1
GA	Ginkgo, 'Autumn Gold'	*Ginkgo biloba* 'Autumn Gold'	2 1/2" Cal.	B&B				5			2	5	1	1	14
GP	Ginkgo, 'Princeton Sentry'	*Ginkgo biloba* 'Princeton Sentry'	2 1/2" Cal.	B&B			5								5
HA	Hackberry	*Celtis occidentalis*	2 1/2" Cal.	B&B			1	1							2
HC	Hackberry, 'Chicagoland'	*Celtis occidentalis* 'Chicagoland'	2 1/2" Cal.	B&B	5	2		9		4	3		2	3	28
HS	Honeylocust, 'Skyline'	*Gleditsia triacanthos* 'Skycole'	2 1/2" Cal.	B&B			3	1	7		3	2			16
HN	Honeylocust, 'Sunburst'	*Gleditsia triacanthos* 'Suncole'	2 1/2" Cal.	B&B					3						3
HF	Horsechestnut, 'Ft. McNair'	*Aesculus x carnea* 'Ft. McNair'	2 1/2" Cal.	B&B					1				2	1	4
LA	Linden, American 'Sentry'	*Tilia americana* 'Sentry'	2 1/2" Cal.	B&B		3		4				1	1	1	10
MA	Maple, 'Armstrong'	*Acer x freemanii* 'Armstrong'	2 1/2" Cal.	B&B							2				2
MC	Maple, 'Celebration'	*Acer x freemanii* 'Celzam'	2 1/2" Cal.	B&B			2				2	3			7
MR	Maple, Red 'Burgundy Belle'	*Acer rubrum* 'Magnificent Magenta'	2 1/2" Cal.	B&B							4				4
MS	Maple, 'Sienna Glenn'	*Acer x freemanii* 'Sienna'	2 1/2" Cal.	B&B		1									1
OR	Oak, 'Regal Prince'	*Quercus x warei*	2 1/2" Cal.	B&B			1	7				7			15
OS	Oak, Swamp White	*Quercus bicolor*	2 1/2" Cal.	B&B			1								1
PC	Pear, 'Cleveland Select'	*Pyrus calleryana* 'Cleveland Select'	2 1/2" Cal.	B&B		10				9	1	15			35
	Deciduous Ornamental Trees														
CR	Crabapple, 'Royal Raindrops'	*Malus* 'Royal Raindrops'	2" Cal.	B&B				3							3
HW	Hawthorn, 'Winter King'	*Crataegus viridis* 'Winter King'	2" Cal.	B&B					3						3
LS	Lilac, 'Summer Snow'	*Syringa reticulata* 'Summer Snow'	2" Cal.	B&B			5	2	4	1		4			16
PK	Pear, Korean Sun	*Pyrus fauriei* 'Westwood'	2" Cal.	B&B					1		2				3
	Evergreens														
JB	Juniper, Broadmoor	*Juniperus sabina* 'Broadmoor'	18" Ht./#2	CONT			5								5
	Deciduous Ornamental Shrubs														
Bb	Burning Bush, 'Rudy Haag'	*Euonymus alata* 'Rudy Haag'	18" Ht./#2	CONT			12								12
Cb	Chokeberry, Black 'Iroquois Beauty'	*Aronia melanocarpa* 'Morton'	18" Ht./#2	CONT			13	7	9						29
Hd	Honeysuckle, Dwarfbush 'Jewell'	*Diervilla lonicera* 'Jewell'	18" Ht./#2	CONT				14	25						39
Lm	Lilac, Meyeri	*Syringa meyeri* 'Palibin'	24" Ht./#3	CONT				28				4			32
Ns	Ninebark, 'Summer Wine'	*Physocarpus opulifolius* 'Seward'	24" Ht./#3	CONT		5	3			4		9			21
Rd	Rose, 'Dwarf Pavement'	*Rosa rugosa* 'Dwarf Pavement'	24" Ht./#3	CONT				51		6					57
Rf	Rose, 'Frau Dagmar Hastrup'	*Rosa rugosa* 'Frau Dagmar Hastrup'	24" Ht./#3	CONT								5			5
Sb	Spirea, Birchleaf 'Tor'	*Spiraea betulifolia* 'Tor'	18" Ht./#2	CONT		16		23	13						52
Sj	Spirea, Japanese 'Froebel'	*Spiraea japonica* 'Froebelii'	24" Ht./#3	CONT					16			12			28
Sk	Spirea, Korean	*Spiraea fritschiana*	18" Ht./#2	CONT				79	40						119
Sm	Spirea, 'Magic Carpet'	*Spiraea japonica* 'Magic Carpet'	18" Ht./#2	CONT			17	20				22			59
Sr	Serviceberry, 'Regent'	*Amelanchier alnifolia* 'Regent'	24" Ht./#3	CONT		6				1					7
Sw	St. John's Wort, Kalm's	*Hypericum kalmianum* 'Ames'	18" Ht./#2	CONT			18								18
Vk	Viburnum, Koreanspice Compact	*Viburnum carlesii* 'Compactum'	24" Ht./#3	CONT						3					3
	Perennials / Ornamental Grasses														
caf	Carnation, 'Arctic Fire'	*Dianthus* 'Arctic Fire'	1 gal.	CONT		39									39
cop	Chive, Ornamental 'Pink Giant'	*Allium schoenoprasum var sibiricum* 'Pink Giant'	1 gal.	CONT		23				24		35			82
cos	Chive, Ornamental 'Summer Beauty'	*Allium tanguticum* 'Summer Beauty'	1 gal.	CONT				11		11	11			11	44
cdo	Coneflower, Dwarf Orange 'Little Suzy'	*Rudbeckia speciosa* 'Viette's Little Suzy'	1 gal.	CONT		38				40		60			138
cbp	Coral Bells, 'Palace Purple'	*Heuchera x* 'Palace Pruple'	1 gal.	CONT								15			15
dlb	Daylily, 'Little Business'	*Hemerocallis* 'Little Business'	1 gal.	CONT		20				18		29			67
dsd	Daylily, 'Stella de Oro'	*Hemerocallis* 'Stella de Oro'	1 gal.	CONT						15					15
frg	Feather Reed Grass, 'Karl Foerster'	*Calamagrostis x acutiflora* 'Karl Foerster'	1 gal.	CONT		5	42	95	29	5		11			187
gsk	Gayfeather, Spikec 'Kobold'	*Liatris spicata* 'Kobold'	1 gal.	CONT						7					7
gbc	Geranium, 'Biokovo Karmina'	*Geranium x cantabrigiense* 'Biokovo Karmina'	1 gal.	CONT						14		20			34
lb	Little Bluestem, 'The Blues'	*Schizachyrium scoparium* 'The Blues'	1 gal.	CONT		35		20	38	14	71	38		5	221
mga	Moor Grass, Autumn	*Sesleria autumnalis*	1 gal.	CONT		5		3		3	3			3	17
rsl	Russian Sage, 'Little Spire'	*Perovskia atriplicifolia* 'Little Spire'	1 gal.	CONT		6				6		9			21
smn	Salvia, 'May Night'	*Salvia nemorosa* 'May Night'	1 gal.	CONT		12				24		20			56
saf	Sedum, 'Autumn Fire'	*Sedum x* 'Autumn Fire'	1 gal.	CONT		9									9
sbz	Sedge, 'Blue Zinger'	*Carex glauca* 'Blue Zinger'	1 gal.	CONT		111				68		114			293
shm	Switchgrass, 'Heavy Metal'	*Panicum virgatum* 'Heavy Metal'	1 gal.	CONT				39							39
ssh	Switchgrass, 'Shenandoah'	*Panicum virgatum 'Shenandoah'*	1 gal.	CONT		17				21		22			60
	Bulbs														
dm	Daffodil Mix	*Narcissus mix*	DN I	BULB		85				54		139			278

2

N

MONONA DRIVE

54+00 +50 55+00 +50 56+00 +50 57+00 +50 58+00 +50 59+00 +50 60+00

MATCH LINE STA. 60+00

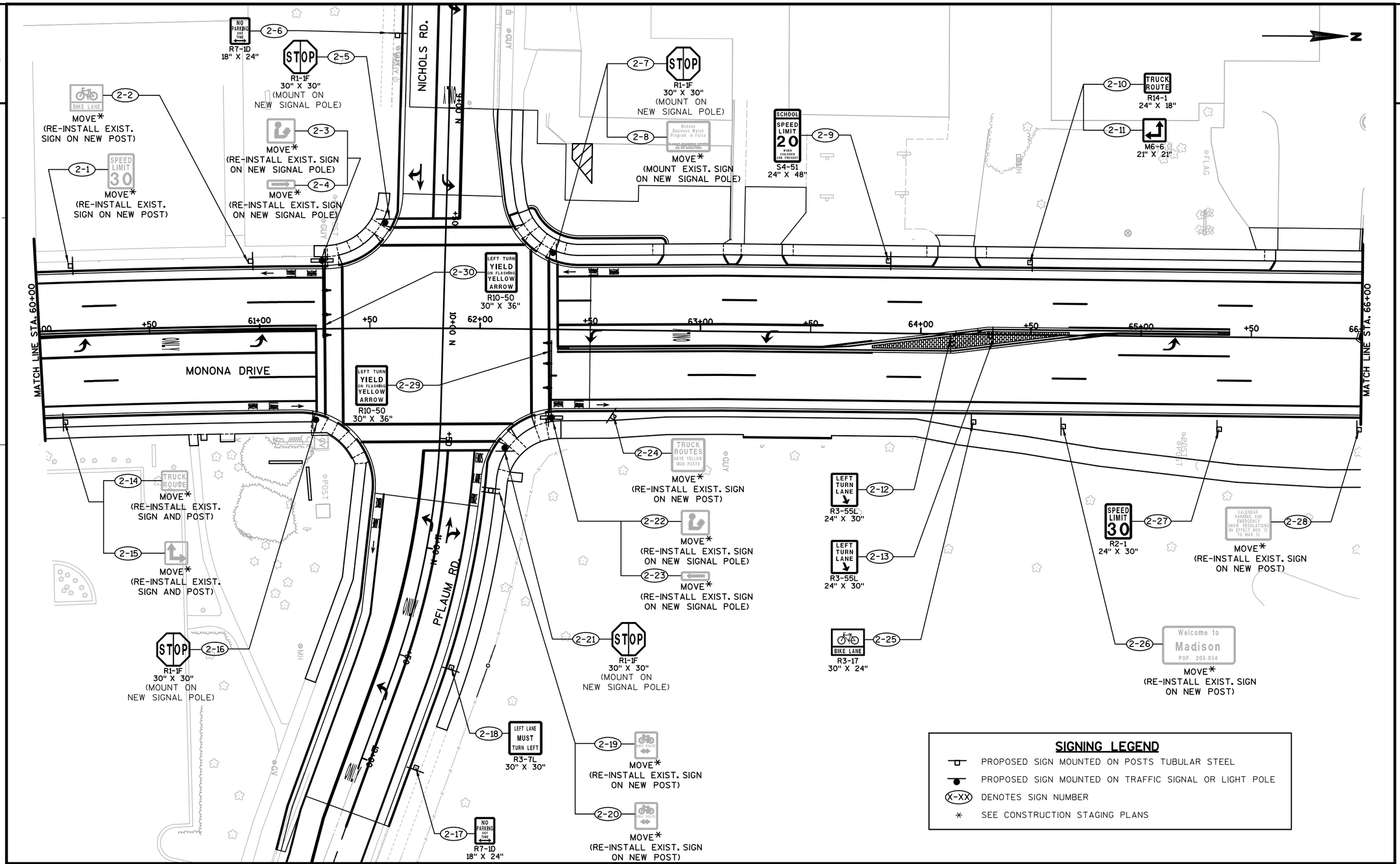
1-1 LEFT TURN LANE
R3-55L
24" X 30"

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS TUBULAR STEEL
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL OR LIGHT POLE
- (X-XX) DENOTES SIGN NUMBER
- ✳ SEE CONSTRUCTION STAGING PLANS

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023201_ps.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023202_ps.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 66+00

MATCH LINE STA. 72+00

MONONA DRIVE

ST. TERESA TERRACE

ST

66+00 +50 67+00 +50 68+00 +50 69+00 +50 70+00 +50 71+00 +50 72+00

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

3-2 R7-8A 12" X 18"

3-3 VAN ACCESSIBLE R7-8V 12" X 6"

3-4 BIKE LANE R3-17 30" X 24"

3-5 STOP R1-1 30" X 30"

3-6 TWO HOUR PARKING MOVE * (RE-INSTALL EXIST. SIGN ON NEW POST)

3-7 W11-2 30" X 30"

3-8 W16-7L 24" X 12"

3-9 R4-7 24" X 30"

3-10 LEFT TURN LANE R3-55L 24" X 30"

3-11 R4-7 24" X 30"

3-12 LEFT TURN LANE R3-55L 24" X 30"

3-13 R4-7 24" X 30"

3-14 NO PARKING ANY TIME R7-1D 18" X 24"

3-15 W11-2 30" X 30"

3-16 W16-7L 24" X 12"

3-17 BIKE LANE R3-17 30" X 24"

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS TUBULAR STEEL
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL OR LIGHT POLE
- (X-XX) DENOTES SIGN NUMBER
- * SEE CONSTRUCTION STAGING PLANS

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023203_ps.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

4-1 R7-8A 12" X 18"
4-2 R7-8V 12" X 6"
4-3 R7-8A 12" X 18"
4-4 R7-8V 12" X 6"
4-5 R7-1D 18" X 24"
4-6 R7-8A 12" X 18"
4-7 R7-8V 12" X 6"
4-8 R7-8A 12" X 18"
4-9 R7-8V 12" X 6"
4-10 R7-8A 12" X 18"
4-11 R7-8V 12" X 6"

MATCH LINE STA. 72+00

72+00 +50 73+00 +50 74+00 +50 75+00 +50 76+00 +50 77+00 +50 78+00

MONONA DRIVE

MATCH LINE STA. 78+00

4-12 LEFT TURN LANE R3-55L 24" X 30"
4-13 LEFT TURN LANE R3-55L 24" X 30"
4-14 R4-7 24" X 30"
4-15 LEFT TURN LANE R3-55L 24" X 30"
4-16 R7-1D 18" X 24"
4-17 SPEED LIMIT 30 R2-1 24" X 30"

POST

POST

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS TUBULAR STEEL
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL OR LIGHT POLE
- (X-XX) DENOTES SIGN NUMBER
- ✳ SEE CONSTRUCTION STAGING PLANS

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 130	E

2

N

5-3
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

5-2
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

STOP
5-1
R1-1
18" X 18"

MATCH LINE STA. 78+00

78+00 +50 79+00 +50 80+00 +50 81+00 +50 82+00 +50 83+00 +50 84+00

MATCH LINE STA. 84+00

MONONA DRIVE

POST

5-8
NO PARKING ANY TIME
R7-1D
18" X 24"

5-4
R4-7
24" X 30"

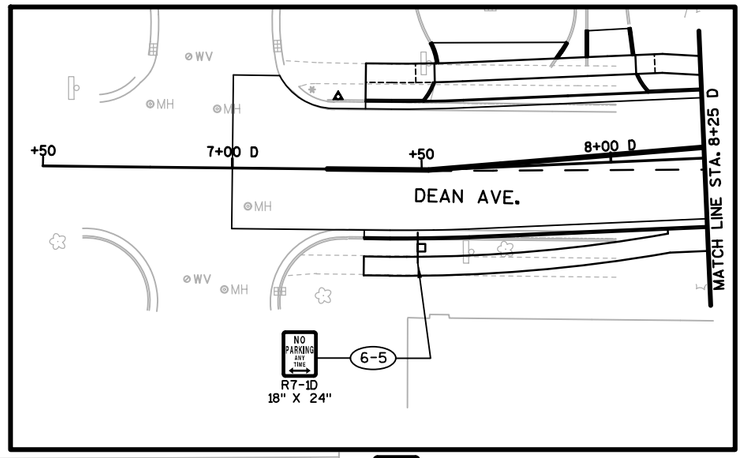
5-5
LEFT TURN LANE
R3-55L
24" X 30"

5-6
R4-7
24" X 30"

5-7
LEFT TURN LANE
R3-55L
24" X 30"

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS TUBULAR STEEL
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL OR LIGHT POLE
- X-XX DENOTES SIGN NUMBER
- * SEE CONSTRUCTION STAGING PLANS



MATCH LINE STA. 8+25 D

NO PARKING ANY TIME
R7-1D
18" X 24"
6-4

STOP
R1-1F
30" X 30"
(MOUNT ON NEW SIGNAL POLE)
6-3

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

BIKE LANE
R3-17
30" X 24"
6-2

DEAN AVE.

NO PARKING ANY TIME
R7-1D
18" X 24"
6-6

6-7
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

ATM CUSTOMER PARKING ONLY
6-10
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

NO PARKING ANY TIME
R7-1D
18" X 24"
6-9

LEFT TURN LANE
R3-55L
24" X 30"
6-12

6-8
STOP
R1-1F
30" X 30"
(MOUNT ON NEW SIGNAL POLE)

MATCH LINE STA. 84+00

+50
85+00
+50
+50
88+00
+50
89+00
MATCH LINE STA. 90+00

MONONA DRIVE

LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-50
30" X 36"
6-25

10+00 D

LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-50
30" X 36"
6-26

DOES NOT ALLOWED IN PARK
6-13
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

DEAN ROUTE HISTORIC PLAQUE
TO REMAIN

NO PARKING ANY TIME
R7-1D
18" X 24"
6-14

LEFT TURN LANE
R3-55L
24" X 30"
6-11

LAKE LOOP BIKE ROUTE
6-15
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW SIGNAL POLE)

LAKE LOOP BIKE ROUTE
6-16
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW SIGNAL POLE)

STOP
R1-1F
30" X 30"
(MOUNT ON NEW SIGNAL POLE)
6-17

PUBLIC WASTE OIL COLLECTION POINT
6-18
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

PUBLIC WASTE OIL COLLECTION POINT
6-19
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

MATCH LINE STA. 11+50 D

11+00 D

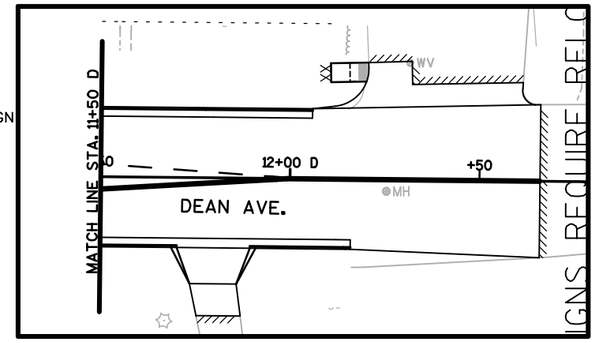
6-22
BIKE LANE
R3-17
30" X 24"

6-21
STOP
R1-1F
30" X 30"
(MOUNT ON NEW SIGNAL POLE)

6-23
NO PARKING ANY TIME
R7-1D
18" X 24"

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

LAKE LOOP BIKE ROUTE
6-20
MOVE *
(RE-INSTALL EXIST. SIGN ON NEW POST)

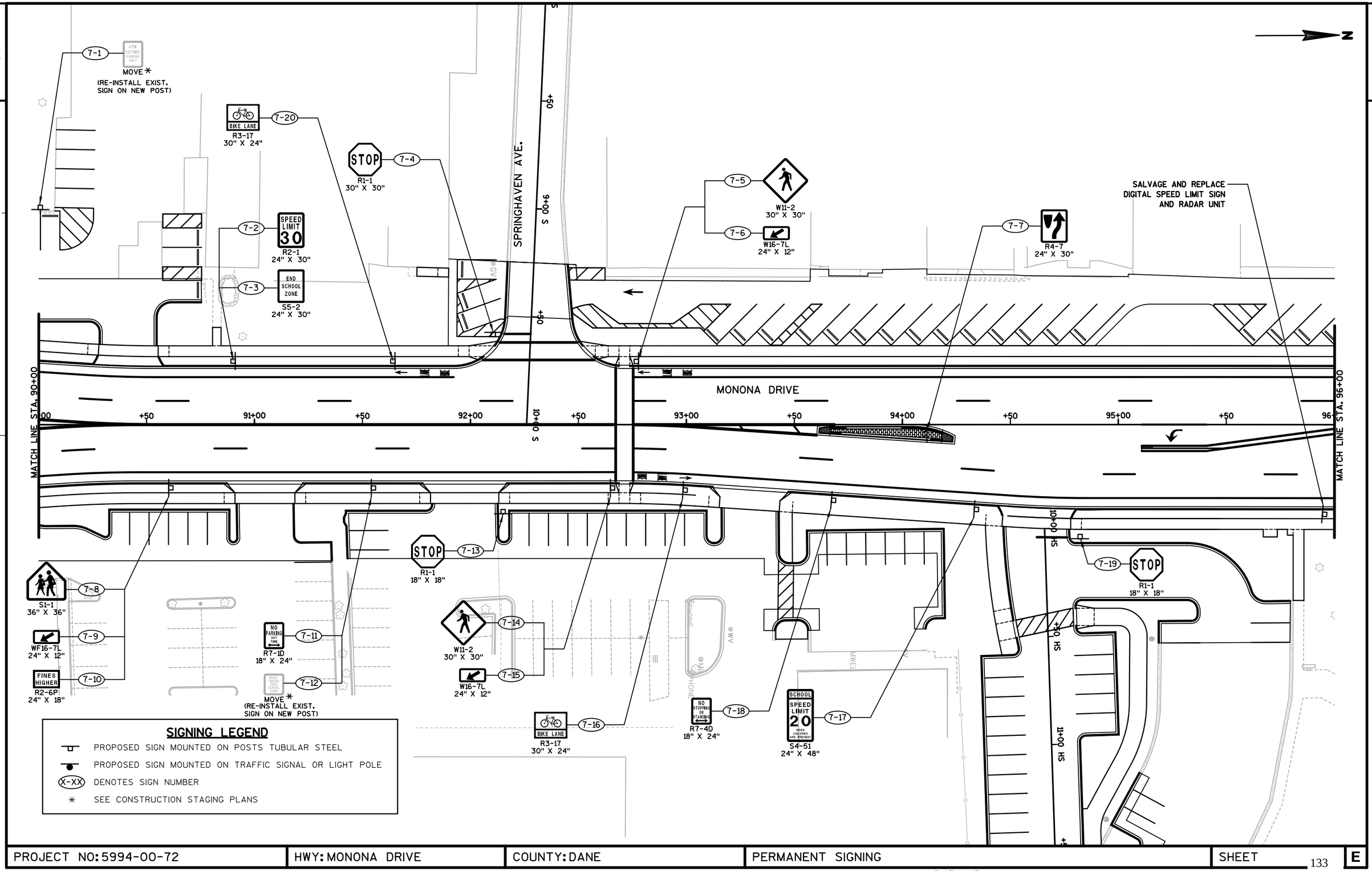


SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS TUBULAR STEEL
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL OR LIGHT POLE
- (X-XX) DENOTES SIGN NUMBER
- * SEE CONSTRUCTION STAGING PLANS

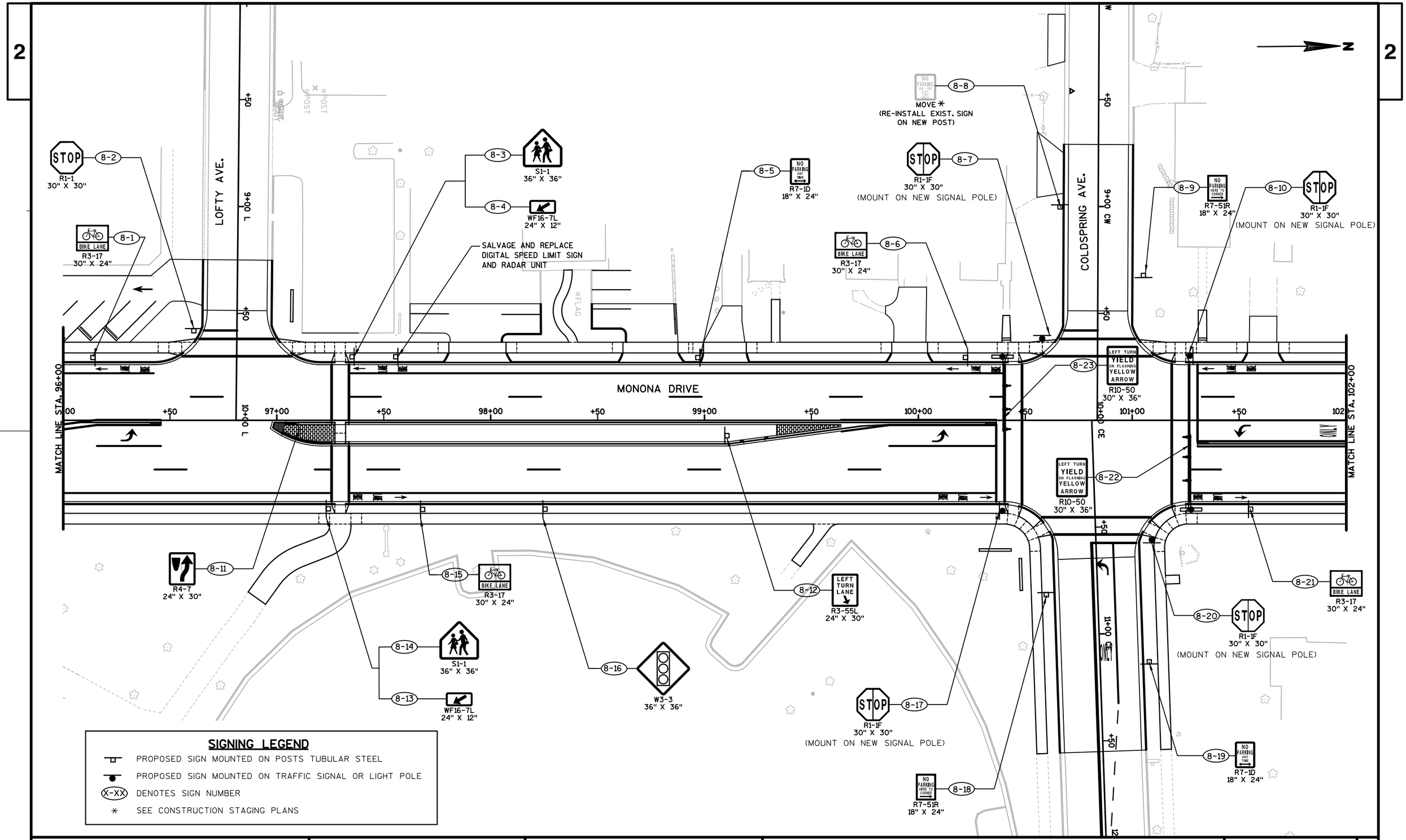
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023206_ps.dgn PLOT DATE : 10/30/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023207_ps.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023208_ps.dgn PLOT DATE : 10/30/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

9-1 S4-51 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT 24" X 48"

9-2 R7-1D NO PARKING ANY TIME 18" X 24"

9-3 W3-3 36" X 36"

9-4 S1-1 36" X 36"

9-5 AHEAD WF16-9P 24" X 8"

9-6 FINES HIGHER R2-6P 24" X 18"

9-7 R7-1D NO PARKING ANY TIME 18" X 24"

9-8 BIKE LANE R3-17 30" X 24"

9-9 STOP R1-1 30" X 30"

9-10 LEFT TURN LANE R3-55L 24" X 30"

9-11 SPEED LIMIT 30 R2-1 24" X 30"

9-12 END SCHOOL ZONE S5-2 24" X 30"

9-13 NO PARKING ANY TIME R7-1D 18" X 24"

MATCH LINE STA. 102+00

MATCH LINE STA. 108+00

100 +50 103+00 +50 104+00 +50 105+00 +50 106+00 +50 107+00 +50 108

MONONA DRIVE

PARKWAY ST.

9+00 P

+50

+50

A

HWY

CITY

ROAD

SS

FLAG

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS TUBULAR STEEL
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL OR LIGHT POLE
- (X-XX) DENOTES SIGN NUMBER
- ✳ SEE CONSTRUCTION STAGING PLANS

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023209_ps.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

WINNEQUAH RD.

MONONA DRIVE

MATCH LINE STA. 108+00

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+

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

10-2 SPEED LIMIT 30
R2-1
24" X 30"

10-3 BIKE LANE
R3-17
30" X 24"

10-4
W11-2
30" X 30"

10-5 NO PARKING ANY TIME
R7-1D
18" X 24"

10-6
W11-2
30" X 30"

10-7
W16-7L
24" X 12"

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS TUBULAR STEEL
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL OR LIGHT POLE
- (X-XX) DENOTES SIGN NUMBER
- ✳ SEE CONSTRUCTION STAGING PLANS

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023210_ps.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

KEY NOTES

(1) SALVAGE AND REPLACE DECORATIVE LIGHT POLE AND LUMINAIRE REQUIRED. EXISTING DECORATIVE LIGHT POLE AND LUMINAIRE SHALL BE REMOVED DURING CONSTRUCTION IN THE AREA. EXISTING WIRING SHALL BE COILED BACK FOR USE IN REINSTALLATION. POLE AND LUMINAIRE SHALL BE REINSTALLED AND POWERED FROM EXISTING CONTROL CABINET LC-4 LOCATED AT INTERSECTION OF MONONA DRIVE AND ACACIA LANE. CIRCUITING SHALL REMAIN AS IS.

GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

N

MONONA DRIVE

54+00 +50 55+00 +50 56+00 +50 57+00 +50 58+00 +50 59+00 +50 60+00

MATCH LINE STA. 60+00

(1) STA. 58+95, 35.20'LT
EXLP-1, LC-4
III-175-3-5-5-X
FESTOON OUTLET CRT. 13

(1) STA. 59+62, 37.99'RT
EXLP-2, LC-4
III-175-3-5-6-X
FESTOON OUTLET CRT. 12

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

STA. XX+X'XXX', XX.XX'LT, LP-XX, LC-2
- STATION AND OFFSET DISTANCE FROM REFERENCE LINE
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III, 250, 12, 5, 1, 3, 1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE
- PULL BOX TYPE 1

LP-XX, LC-2, 1, 3, 1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023501_lp.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

KEY NOTES

(1) SALVAGE AND REPLACE DECORATIVE LIGHT POLE AND LUMINAIRE REQUIRED. EXISTING DECORATIVE LIGHT POLE AND LUMINAIRE SHALL BE REMOVED DURING CONSTRUCTION IN THE AREA. EXISTING WIRING SHALL BE COILED BACK FOR USE IN REINSTALLATION. POLE AND LUMINAIRE SHALL BE REINSTALLED AND POWERED FROM EXISTING CONTROL CABINET LC-4 LOCATED AT INTERSECTION OF MONONA DRIVE AND ACACIA LANE. CIRCUITING SHALL REMAIN AS IS.

(2) REMOVING DECORATIVE LIGHT POLE AND LUMINAIRE REQ'D

GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

NICHOLS RD.

STA. 9+38 N, 24.76'RT
LP-7, LC-5
III-160-3-5-1-X
FESTOON OUTLET CRT. 9

STA. 61+12, 31.26'LT
LP-6, LC-5
III-160-3-5-3-X
FESTOON OUTLET CRT. 9

STA. 60+24, 32.34'LT (1)
EXLP-3, LC-4
III-175-3-5-7-X
FESTOON OUTLET CRT. 13

PB-200

PB-201

STA. 62+52, 32.15'LT
LP-11, LC-5
III-160-3-5-3-X
FESTOON OUTLET CRT. 9

PB-202

CONDUIT RIGID NON-METALLIC SCHEDULE 80, 3-INCH

STA. 63+87, 33.08'LT
LP-13, LC-5
III-160-3-5-1-X
FESTOON OUTLET CRT. 9

STA. 65+25, 33.08'LT
LP-15, LC-5
III-160-3-5-3-X
FESTOON OUTLET CRT. 9

MATCH LINE STA. 60+00

MONONA DRIVE

CONDUIT RIGID NON-METALLIC SCHEDULE 80, 3-INCH

(1) STA. 60+91, 40.24'RT
EXLP-4, LC-4
III-175-3-5-8-X
FESTOON OUTLET CRT. 12

PB-216

PB-217

STA. 10+86 N, 30.76'RT
LP-5, LC-5
III-160-3-5-2-X
FESTOON OUTLET CRT. 10

PB-218

STA. 62+44, 39.64'RT
LP-9, LC-5
III-160-3-5-2-X
FESTOON OUTLET CRT. 10

STA. 10+66 N, 24.83'LT
LP-8, LC-5
III-160-3-5-4-X
FESTOON OUTLET CRT. 10

STA. 64+14, 38.58'RT
LP-12, LC-5
III-160-3-5-4-X
FESTOON OUTLET CRT. 10

STA. 65+26, 39.24'RT
LP-14, LC-5
III-160-3-5-2-X
FESTOON OUTLET CRT. 10

PFLAUM RD.

MATCH LINE STA. 66+00

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

STA. XX+X'XXX', XX.XX' LT,
LP-XX, LC-2
- STATION AND OFFSET DISTANCE FROM REFERENCE LINE
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-250-12-5-1.3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE

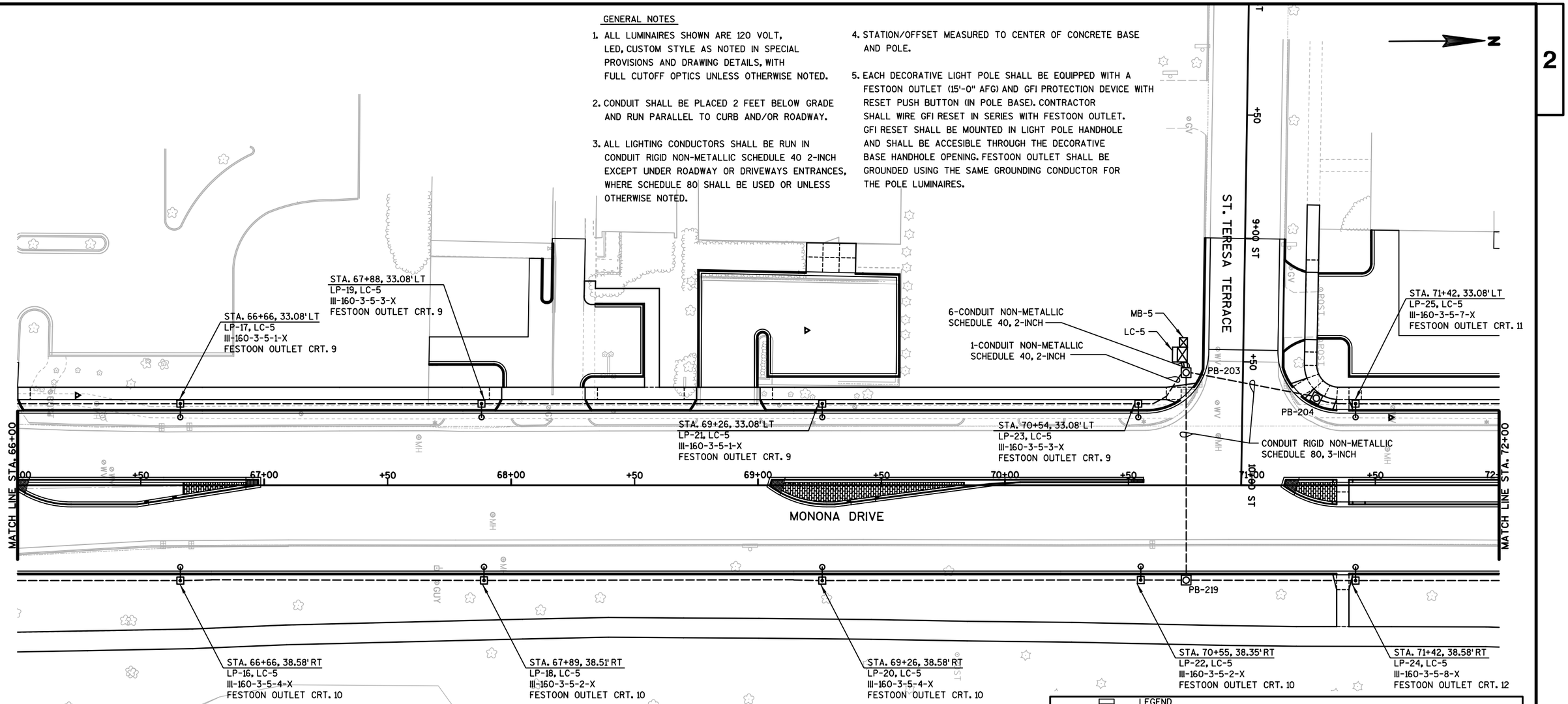
PULL BOX TYPE 1

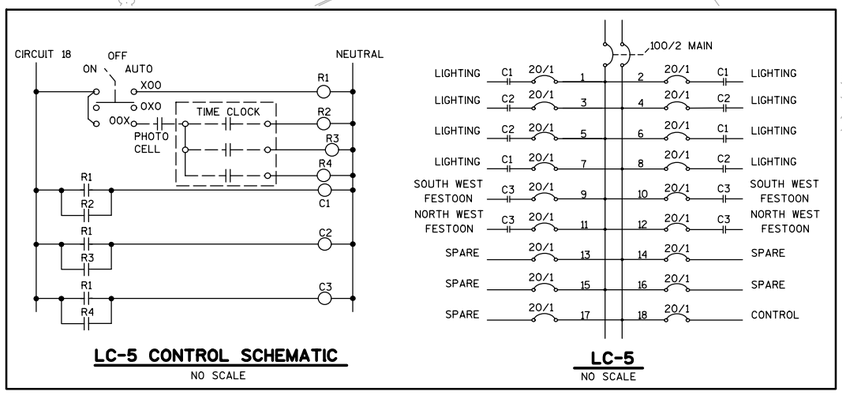
LP-XX, LC-2-1.3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET 138	E

GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.





LC-5 CONTROL SCHEMATIC
NO SCALE

LC-5
NO SCALE

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

STA. XX+X'XXX', XX.XX' LT,
LP-XX, LC-2
- STATION AND OFFSET DISTANCE FROM REFERENCE LINE
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-250-12-5-1,3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE

PULL BOX TYPE 1

LP-XX, LC-2-1,3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

2

N

STA. 72+77, 33.08'LT
LP-27, LC-5
III-160-3-5-5-X
FESTOON OUTLET CRT. 11

STA. 73+97, 33.08'LT
LP-29, LC-5
III-160-3-5-7-X
FESTOON OUTLET CRT. 11

STA. 75+07, 33.08'LT
LP-31, LC-5
III-160-3-5-5-X
FESTOON OUTLET CRT. 11

STA. 76+50, 33.08'LT
LP-33, LC-5
III-160-3-5-7-X
FESTOON OUTLET CRT. 11

STA. 77+91, 33.08'LT
LP-35, LC-5
III-160-3-5-5-X
FESTOON OUTLET CRT. 11

MATCH LINE STA. 72+00

72+00 +50 73+00 +50 74+00 +50 75+00 +50 76+00 +50 77+00 +50 78+00

MONONA DRIVE

MATCH LINE STA. 78+00

STA. 72+71, 38.58'RT
LP-26, LC-5
III-160-3-5-6-X
FESTOON OUTLET CRT. 12

STA. 73+97, 38.58'RT
LP-28, LC-5
III-160-3-5-8-X
FESTOON OUTLET CRT. 12

STA. 75+28, 38.58'RT
LP-30, LC-5
III-160-3-5-6-X
FESTOON OUTLET CRT. 12

STA. 76+56, 38.58'RT
LP-32, LC-5
III-160-3-5-8-X
FESTOON OUTLET CRT. 12

STA. 77+92, 38.58'RT
LP-34, LC-5
III-160-3-5-6-X
FESTOON OUTLET CRT. 12

GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.

2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.

3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.

4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.

5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

STA. XX+X'XXX', XX.XX'LT — STATION AND OFFSET DISTANCE FROM REFERENCE LINE

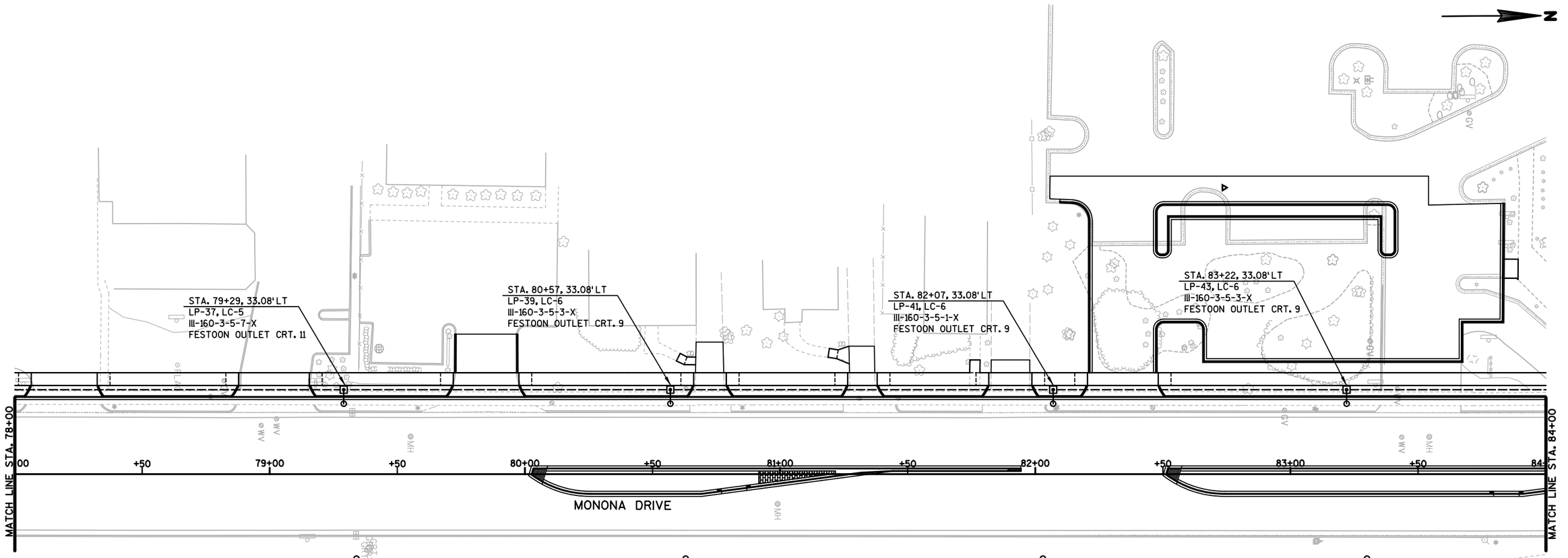
LP-XX, LC-2 — CONTROL CABINET DESIGNATION; LIGHT POLE NUMBER

III-250-12-5-1,3-1 — LIGHT UNIT NUMBER IN CIRCUIT; CIRCUIT NUMBERS; BASE TYPE; MAST ARM BRACKET LENGTH IN FEET; LAMP WATTAGE; DISTRIBUTION TYPE; PULL BOX TYPE 1

LP-XX, LC-2, 1,3-1 — LIGHT UNIT NUMBER IN CIRCUIT; CIRCUIT NUMBERS; CONTROL CABINET DESIGNATION; LIGHT POLE NUMBER

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET 140	E

2



GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

STA. XX+X'XXX', XX.XX'LT,
LP-XX, LC-2

- STATION AND OFFSET DISTANCE FROM REFERENCE LINE
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III, 250, 12-5-1,3-1

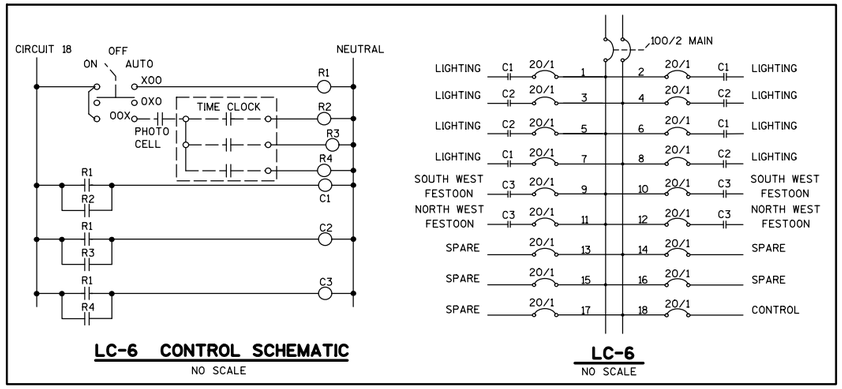
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE
- PULL BOX TYPE 1

LP-XX, LC-2, 1,3-1

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

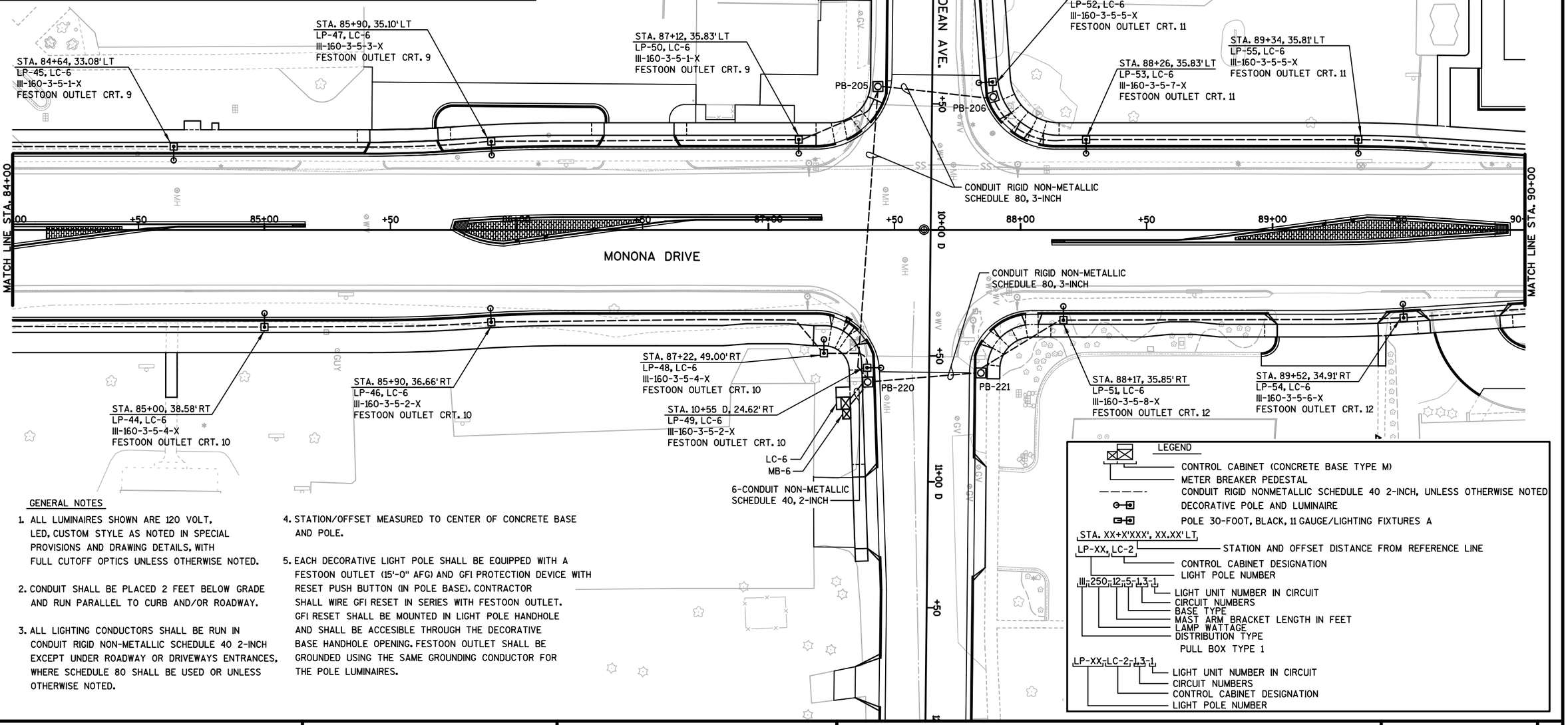
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET	E

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LC-6 CONTROL SCHEMATIC
NO SCALE

LC-6
NO SCALE

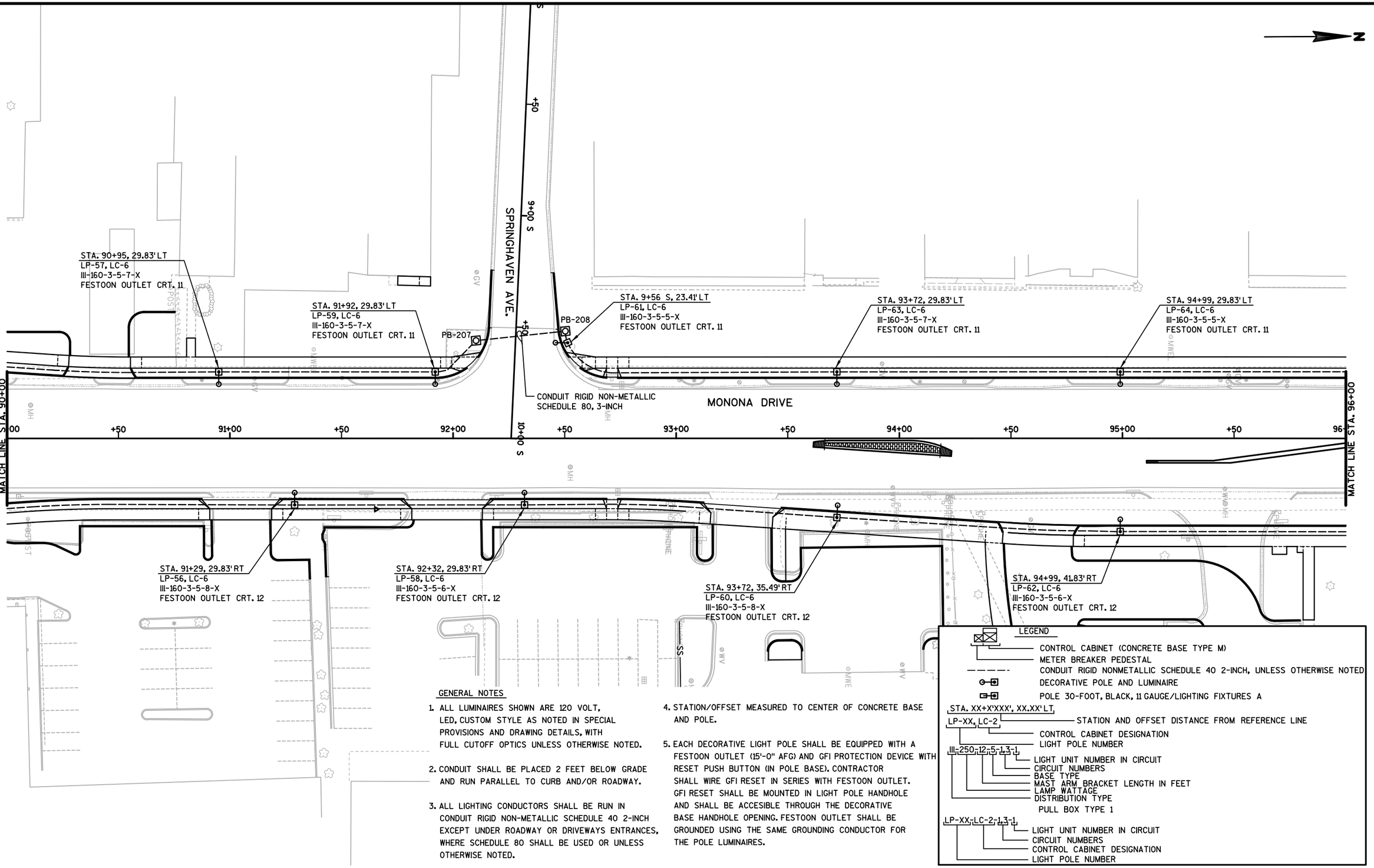


GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023506_lp.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

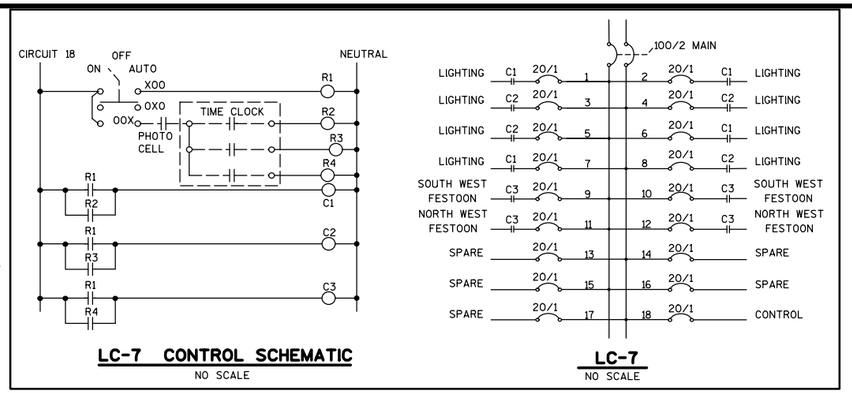
STA. XX+X'XXX', XX.XX' LT
: STATION AND OFFSET DISTANCE FROM REFERENCE LINE

LP-XX, LC-2
: CONTROL CABINET DESIGNATION
: LIGHT POLE NUMBER

III, 250, 12, 5, 1, 3, 1
: LIGHT UNIT NUMBER IN CIRCUIT
: CIRCUIT NUMBERS
: BASE TYPE
: MAST ARM BRACKET LENGTH IN FEET
: LAMP WATTAGE
: DISTRIBUTION TYPE
: PULL BOX TYPE 1

LP-XX, LC-2, 1, 3, 1
: LIGHT UNIT NUMBER IN CIRCUIT
: CIRCUIT NUMBERS
: CONTROL CABINET DESIGNATION
: LIGHT POLE NUMBER

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET 143	E



LC-7 CONTROL SCHEMATIC
NO SCALE

LC-7
NO SCALE

LOFTY AVE.

MONONA DRIVE

COLDSPRING AVE.

STA. 96+27, 29.83'LT
LP-66, LC-7
III-160-3-5-1-X
FESTOON OUTLET CRT. 9

STA. 9+60.41 L, 25.48'LT
LP-68, LC-7
III-160-3-5-3-X
FESTOON OUTLET CRT. 9

STA. 98+19, 29.83'LT
LP-70, LC-7
III-160-3-5-1-X
FESTOON OUTLET CRT. 9

STA. 99+26, 29.83'LT
LP-72, LC-7
III-160-3-5-3-X
FESTOON OUTLET CRT. 9

STA. 100+23, 29.79'LT
LP-74, LC-7
III-160-3-5-1-X
FESTOON OUTLET CRT. 9

STA. 101+03.36, 46.98'LT
LP-76, LC-7
III-160-3-5-5-X
FESTOON OUTLET CRT. 11

PB-209
PB-210
PB-211
PB-212
PB-213
PB-222
PB-223
PB-224

CONDUIT RIGID NON-METALLIC SCHEDULE 80, 3-INCH

STA. 96+27, 41.83'RT
LP-65, LC-7
III-160-3-5-4-X
FESTOON OUTLET CRT. 10

STA. 96+79, 41.83'RT
LP-67, LC-7
III-160-3-5-2-X
FESTOON OUTLET CRT. 10

STA. 98+12, 41.83'RT
LP-69, LC-7
III-160-3-5-4-X
FESTOON OUTLET CRT. 10

STA. 99+22, 41.83'RT
LP-71, LC-7
III-160-3-5-2-X
FESTOON OUTLET CRT. 10

STA. 10+52.11 CE, 35.81'RT
LP-73, LC-7
III-160-3-5-4-X
FESTOON OUTLET CRT. 10

STA. 10+54.54 CE, 36.75'LT
LP-75, LC-7
III-160-3-5-6-X
FESTOON OUTLET CRT. 12

6-CONDUIT NON-METALLIC SCHEDULE 40, 2-INCH

LC-7

MB-7

MATCH LINE STA. 96+00

MATCH LINE STA. 102+00

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A
- STA. XX+X'XXX', XX.XX' LT — STATION AND OFFSET DISTANCE FROM REFERENCE LINE
- LP-XX, LC-2 — CONTROL CABINET DESIGNATION / LIGHT POLE NUMBER
- III 250 12 5 1,3-1 — LIGHT UNIT NUMBER IN CIRCUIT / CIRCUIT NUMBERS / BASE TYPE / MAST ARM BRACKET LENGTH IN FEET / LAMP WATTAGE / DISTRIBUTION TYPE / PULL BOX TYPE 1
- LP-XX, LC-2, 1,3-1 — LIGHT UNIT NUMBER IN CIRCUIT / CIRCUIT NUMBERS / CONTROL CABINET DESIGNATION / LIGHT POLE NUMBER

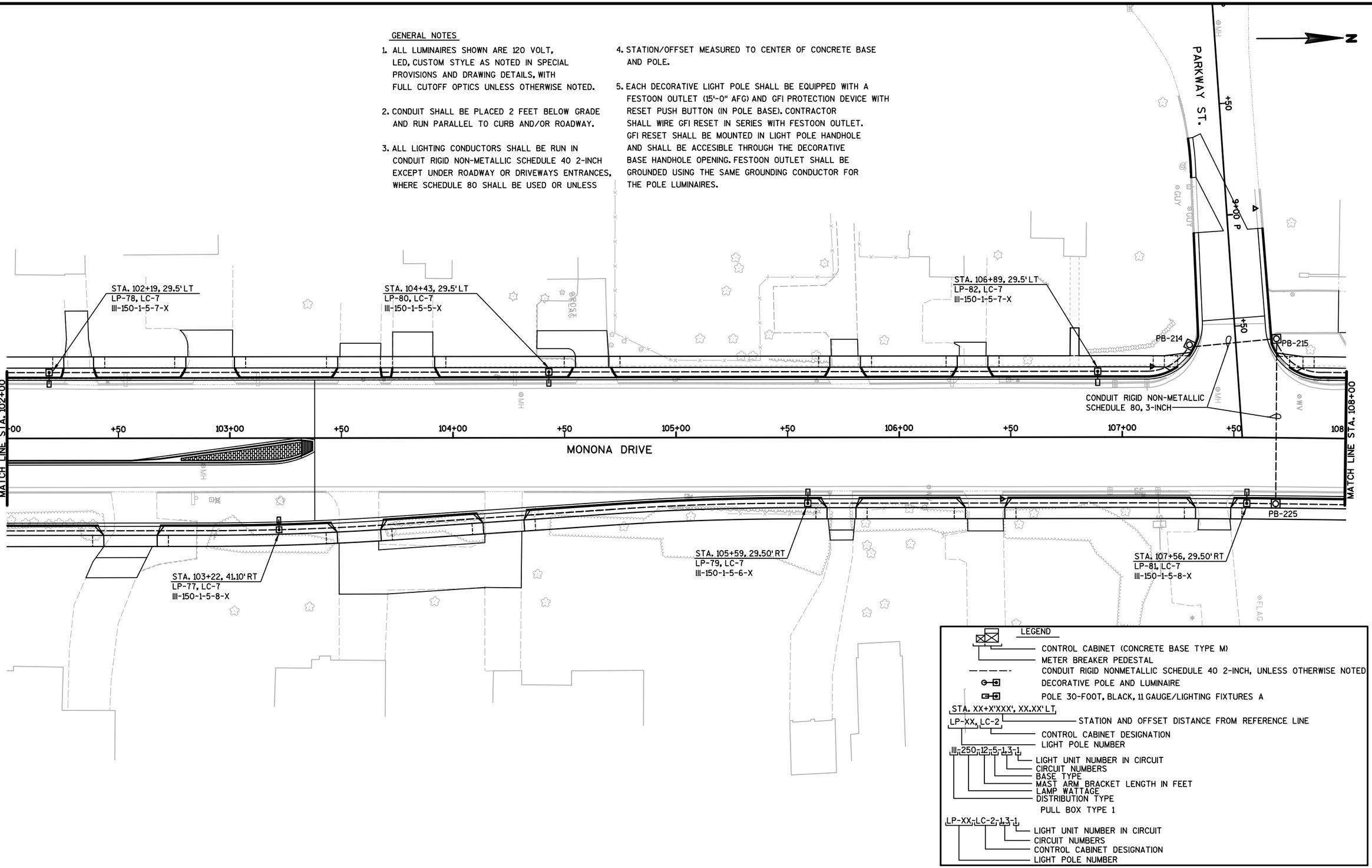
GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET 144	E

GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS
4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.
5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.



LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

STA. XX+X'XXX', XX.XX' LT, LP-XX, LC-2
- STATION AND OFFSET DISTANCE FROM REFERENCE LINE
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-250-12-5-1.3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE

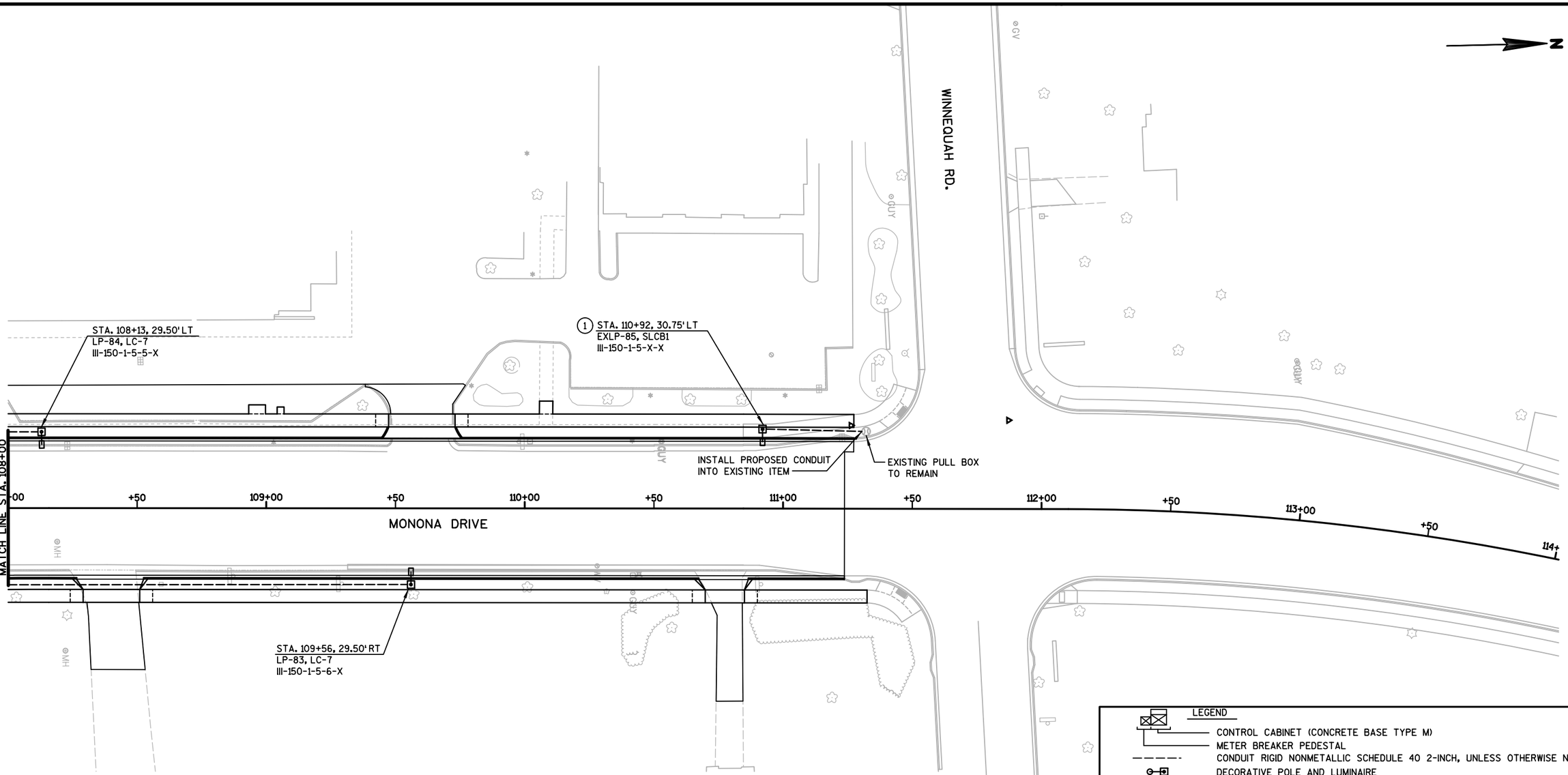
PULL BOX TYPE 1

LP-XX-LC-2-1.3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023509_lp.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



KEY NOTES

(1) SALVAGE AND REPLACE DECORATIVE LIGHT POLE AND LUMINAIRE REQUIRED. EXISTING DECORATIVE LIGHT POLE AND LUMINAIRE SHALL BE REMOVED DURING CONSTRUCTION IN THE AREA. EXISTING WIRING SHALL BE COILED BACK FOR USE IN REINSTALLATION. POLE AND LUMINAIRE SHALL BE REINSTALLED AND POWERED FROM EXISTING CONTROL CABINET LC-4 LOCATED AT INTERSECTION OF MONONA DRIVE AND ACACIA LANE. CIRCUITING SHALL REMAIN AS IS.

GENERAL NOTES

1. ALL LUMINAIRES SHOWN ARE 120 VOLT, LED, CUSTOM STYLE AS NOTED IN SPECIAL PROVISIONS AND DRAWING DETAILS, WITH FULL CUTOFF OPTICS UNLESS OTHERWISE NOTED.

2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.

3. ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAYS ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED OR UNLESS OTHERWISE NOTED.

4. STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.

5. EACH DECORATIVE LIGHT POLE SHALL BE EQUIPPED WITH A FESTOON OUTLET (15'-0" AFG) AND GFI PROTECTION DEVICE WITH RESET PUSH BUTTON (IN POLE BASE). CONTRACTOR SHALL WIRE GFI RESET IN SERIES WITH FESTOON OUTLET. GFI RESET SHALL BE MOUNTED IN LIGHT POLE HANDHOLE AND SHALL BE ACCESIBLE THROUGH THE DECORATIVE BASE HANDHOLE OPENING. FESTOON OUTLET SHALL BE GROUNDED USING THE SAME GROUNDING CONDUCTOR FOR THE POLE LUMINAIRES.

LEGEND

- CONTROL CABINET (CONCRETE BASE TYPE M)
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- DECORATIVE POLE AND LUMINAIRE
- POLE 30-FOOT, BLACK, 11 GAUGE/LIGHTING FIXTURES A

STA. XX+X'XXX', XX.XX' LT,
LP-XX, LC-2
- STATION AND OFFSET DISTANCE FROM REFERENCE LINE
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-250-12-5-1-3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE
- PULL BOX TYPE 1

LP-XX, LC-2, 1-3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

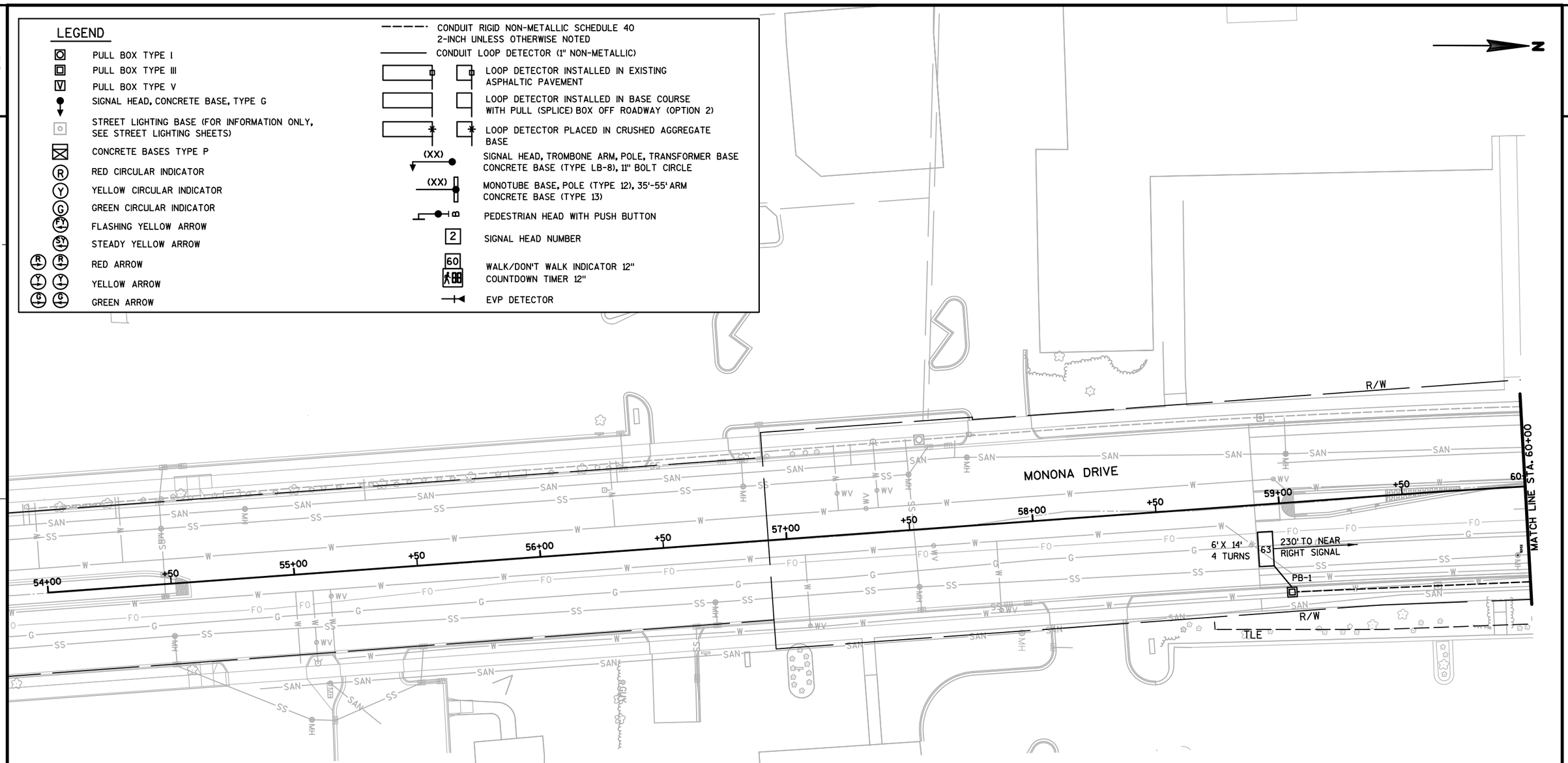
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	LIGHTING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\023510_lp.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

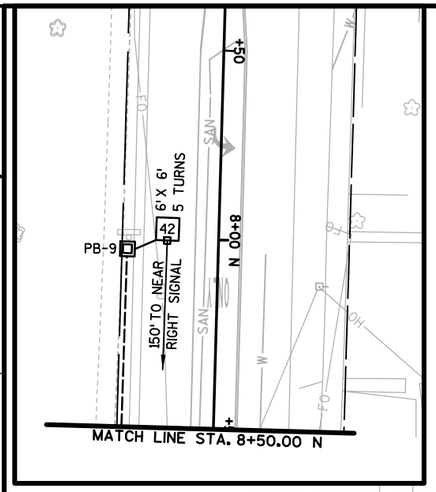
- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (FY) FLASHING YELLOW ARROW
- (SY) STEADY YELLOW ARROW
- (R) (R) RED ARROW
- (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW

- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- CONDUIT LOOP DETECTOR (1" NON-METALLIC)
- LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
- LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
- (XX) SIGNAL HEAD, TROMBONE ARM, POLE, TRANSFORMER BASE CONCRETE BASE (TYPE LB-8), 11" BOLT CIRCLE
- (XX) MONOTUBE BASE, POLE (TYPE 12), 35'-55' ARM CONCRETE BASE (TYPE 13)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- 2 SIGNAL HEAD NUMBER
- 60 WALK/DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- EVP DETECTOR



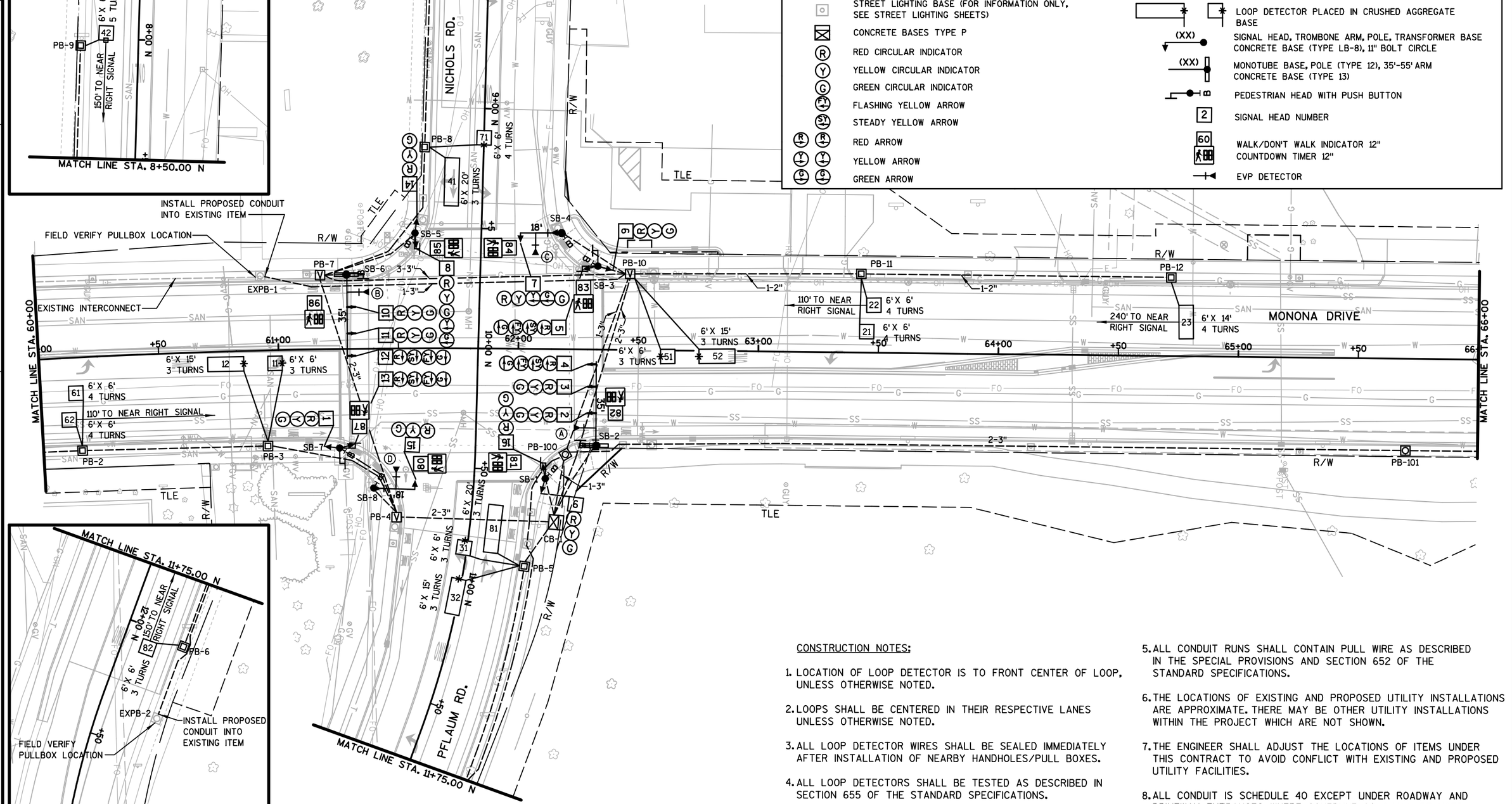
CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
2. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
3. ALL LOOP DETECTOR WIRES SHALL BE SEALED IMMEDIATELY AFTER INSTALLATION OF NEARBY HANDHOLES/PULL BOXES.
4. ALL LOOP DETECTORS SHALL BE TESTED AS DESCRIBED IN SECTION 655 OF THE STANDARD SPECIFICATIONS.
5. ALL CONDUIT RUNS SHALL CONTAIN PULL WIRE AS DESCRIBED IN THE SPECIAL PROVISIONS AND SECTION 652 OF THE STANDARD SPECIFICATIONS.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
8. ALL CONDUIT IS SCHEDULE 40 EXCEPT UNDER ROADWAY AND DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.



LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- FLASHING YELLOW ARROW
- STEADY YELLOW ARROW
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- CONDUIT LOOP DETECTOR (1" NON-METALLIC)
- LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
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- PEDESTRIAN HEAD WITH PUSH BUTTON
- 2 SIGNAL HEAD NUMBER
- 60 WALK/DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- EVP DETECTOR



CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
2. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
3. ALL LOOP DETECTOR WIRES SHALL BE SEALED IMMEDIATELY AFTER INSTALLATION OF NEARBY HANDHOLES/PULL BOXES.
4. ALL LOOP DETECTORS SHALL BE TESTED AS DESCRIBED IN SECTION 655 OF THE STANDARD SPECIFICATIONS.
5. ALL CONDUIT RUNS SHALL CONTAIN PULL WIRE AS DESCRIBED IN THE SPECIAL PROVISIONS AND SECTION 652 OF THE STANDARD SPECIFICATIONS.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
8. ALL CONDUIT IS SCHEDULE 40 EXCEPT UNDER ROADWAY AND DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 148	E

MONONA DRIVE & NICHOLS ROAD INTERSECTION
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NO.	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CONTROL CABINET TO SB-1	12/C	6	WB	R	R	Ø 8
				Y	O	
				G	G	
		16	EB	R	R/BLK	Ø 4
				Y	O/BLK	
				G	G/BLK	
		81	Ø6 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-2	9/C	2	NB	R	R	Ø6
				Y	O	
				G	G	
		3	NB	R	R	Ø6
				Y	O	
				G	G	
		4	NBL	← R	R	Ø 1
				←SY	O	
				←FY	G	
				← G	G/BLK	
		82	Ø8 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-3	15/C	5	NBL	← R	R/BLK	Ø 1
				←SY	O/BLK	
				←FY	G/BLK	
				← G	W	
		9	SB	R	R	Ø 2
				Y	O	
				G	G	
		83	Ø8 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON
		84	Ø2 PED	D/WALK	BLU/BLK	
				WALK	BLK/W	
CONTROL CABINET TO SB-4	9/C	7	WBL/T	R	R	Ø3/8
				Y	O	
				← Y	O/BLK	
				← G	G/BLK	
				G	G	
			Ø2 PED	PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-5	12/C	8	WBL/T	R	R/BLK	Ø3/8
				Y	O/BLK	
				G	G/BLK	
				← Y	BLU	
				← G	BLU/BLK	
		14	EB	R	R	Ø 4
				Y	O	
				G	G	
		85	Ø2 PED	D/WALK	BLK	
				WALK	W	
				PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-6	9/C	10	SB	R	R	Ø 2
				Y	O	
				G	G	
		11	SB	R	R	Ø 2
				Y	O	
				G	G	
		12	SBL	← R	R	Ø 5
				←SY	O	
				←FY	G	
				← G	G/BLK	
		86	Ø4 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON

MONONA DRIVE & NICHOLS ROAD INTERSECTION
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NO.	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CONTROL CABINET TO SB-7	15/C	1	NB	R	R	Ø6
				Y	O	
				G	G	
		13	SBL	← R	R/BLK	Ø5
				←SY	O/BLK	
				←FY	G/BLK	
				← G	W	
		80	Ø6 PED	D/WALK	BLK	
				WALK	BLU	
		87	Ø4 PED	D/WALK	BLU/BLK	
				WALK	BLK/W	
				PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-8	7/C	15	EB	R	R	Ø4
				Y	O	
				G	G	
			Ø6 PED	PED BUTTON	W/BLK	BUTTON

1. ENSURE THE GROUNDED CONDUCTORS AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
2. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.

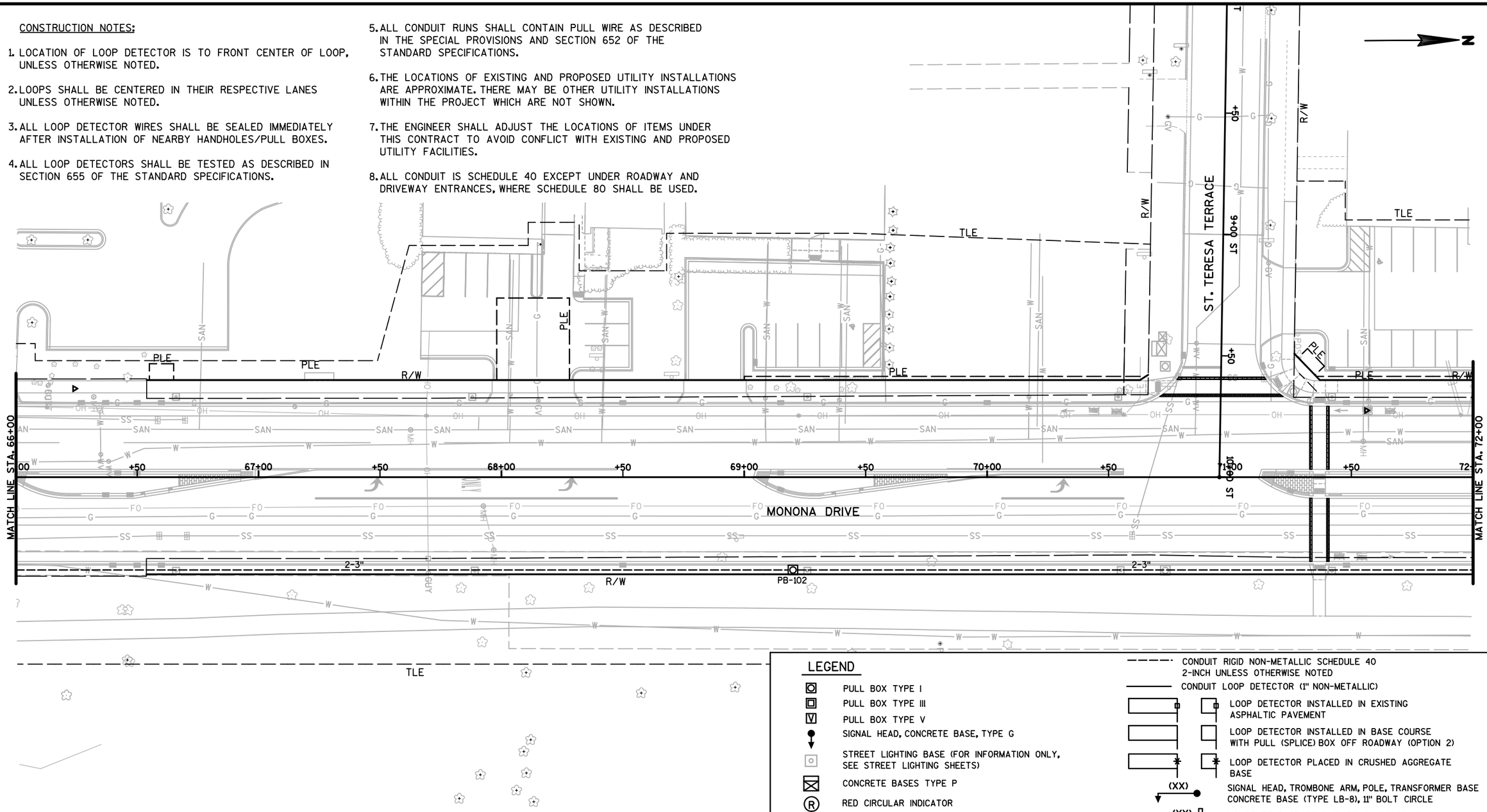
BLK = BLACK
W = WHITE
R = RED
G = GREEN
O = ORANGE
BLU = BLUE

TRAFFIC CONTROL SIGNAL
MONONA DRIVE &
NICHOLS ROAD
DANE COUNTY
SIGNAL NO. S1344
DESIGNED BY: STRAND
REVISED BY:
PAGE 4 OF 4

PROJECT NO: 5994-00-72 | HWY: MONONA DRIVE | COUNTY: DANE | CABLE ROUTING | SHEET 149 | E

CONSTRUCTION NOTES:

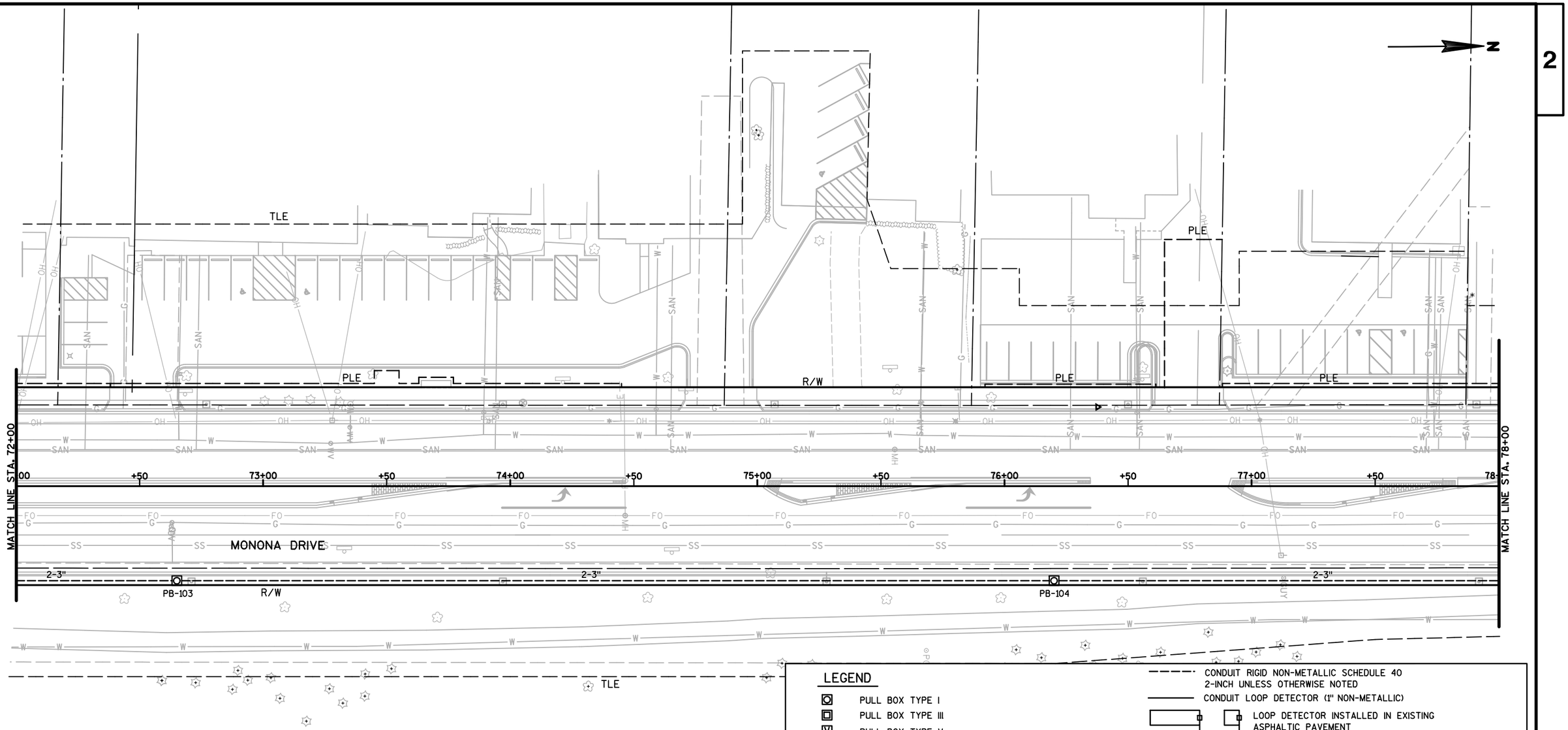
1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
2. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
3. ALL LOOP DETECTOR WIRES SHALL BE SEALED IMMEDIATELY AFTER INSTALLATION OF NEARBY HANDHOLES/PULL BOXES.
4. ALL LOOP DETECTORS SHALL BE TESTED AS DESCRIBED IN SECTION 655 OF THE STANDARD SPECIFICATIONS.
5. ALL CONDUIT RUNS SHALL CONTAIN PULL WIRE AS DESCRIBED IN THE SPECIAL PROVISIONS AND SECTION 652 OF THE STANDARD SPECIFICATIONS.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
8. ALL CONDUIT IS SCHEDULE 40 EXCEPT UNDER ROADWAY AND DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.



LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- FLASHING YELLOW ARROW
- STEADY YELLOW ARROW
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- CONDUIT LOOP DETECTOR (1" NON-METALLIC)
- LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
- LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
- (XX) SIGNAL HEAD, TROMBONE ARM, POLE, TRANSFORMER BASE CONCRETE BASE (TYPE LB-8), 11" BOLT CIRCLE
- (XX) MONOTUBE BASE, POLE (TYPE 12), 35'-55' ARM CONCRETE BASE (TYPE 13)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- 2 SIGNAL HEAD NUMBER
- 60 WALK/DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- EVP DETECTOR

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL UNDERGROUND EQUIPMENT	SHEET 150	E



CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
2. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
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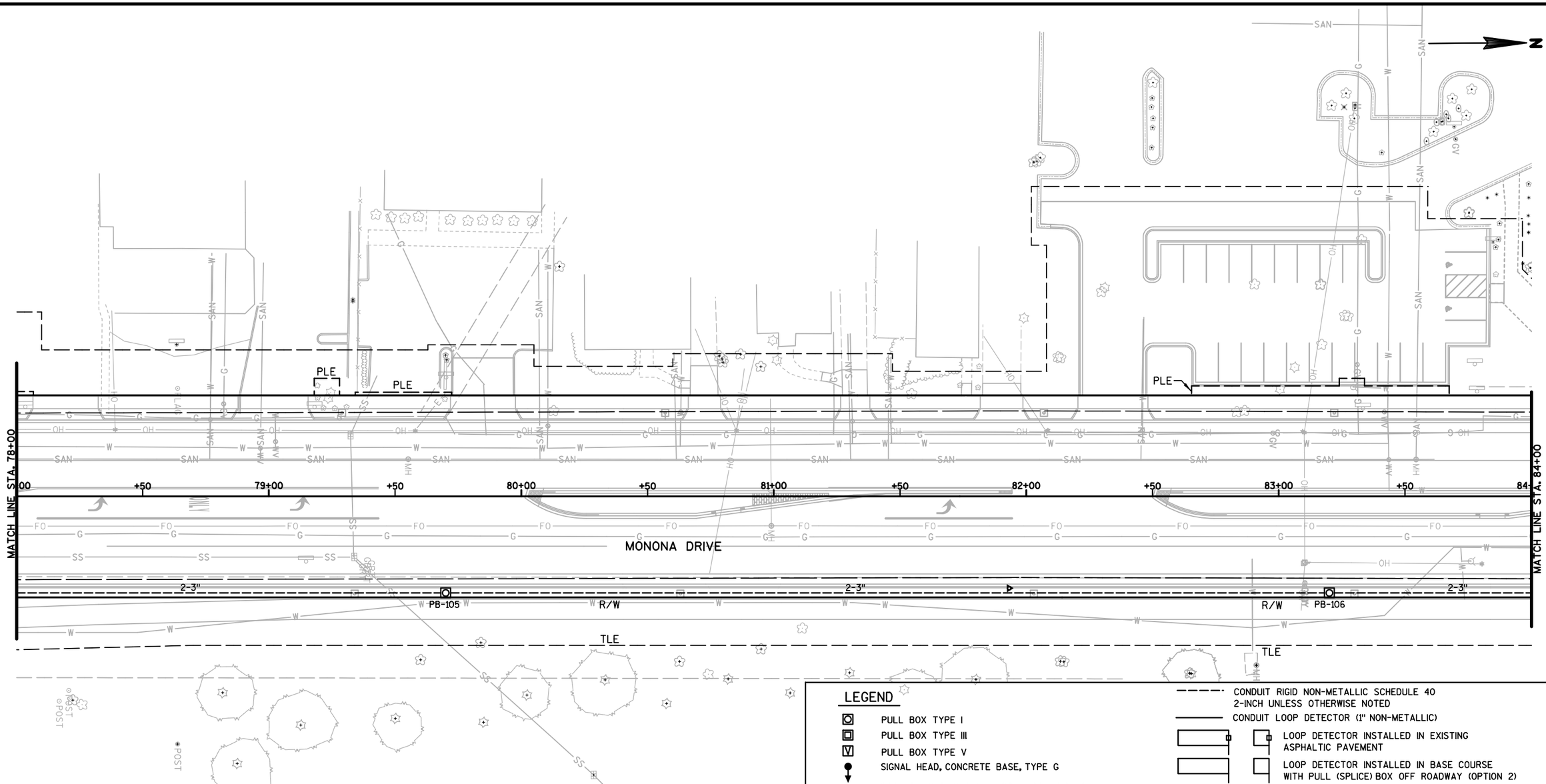
LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (FY) FLASHING YELLOW ARROW
- (SY) STEADY YELLOW ARROW
- (R) (R) RED ARROW
- (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW

- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- CONDUIT LOOP DETECTOR (1" NON-METALLIC)
- LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
- LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
- (XX) SIGNAL HEAD, TROMBONE ARM, POLE, TRANSFORMER BASE CONCRETE BASE (TYPE LB-8), 11" BOLT CIRCLE
- (XX) MONOTUBE BASE, POLE (TYPE 12), 35'-55' ARM CONCRETE BASE (TYPE 13)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- 2 SIGNAL HEAD NUMBER
- 60 WALK/DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- EVP DETECTOR

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024004_sp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
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LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
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- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (FY) FLASHING YELLOW ARROW
- (SY) STEADY YELLOW ARROW
- (R) (R) RED ARROW
- (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW

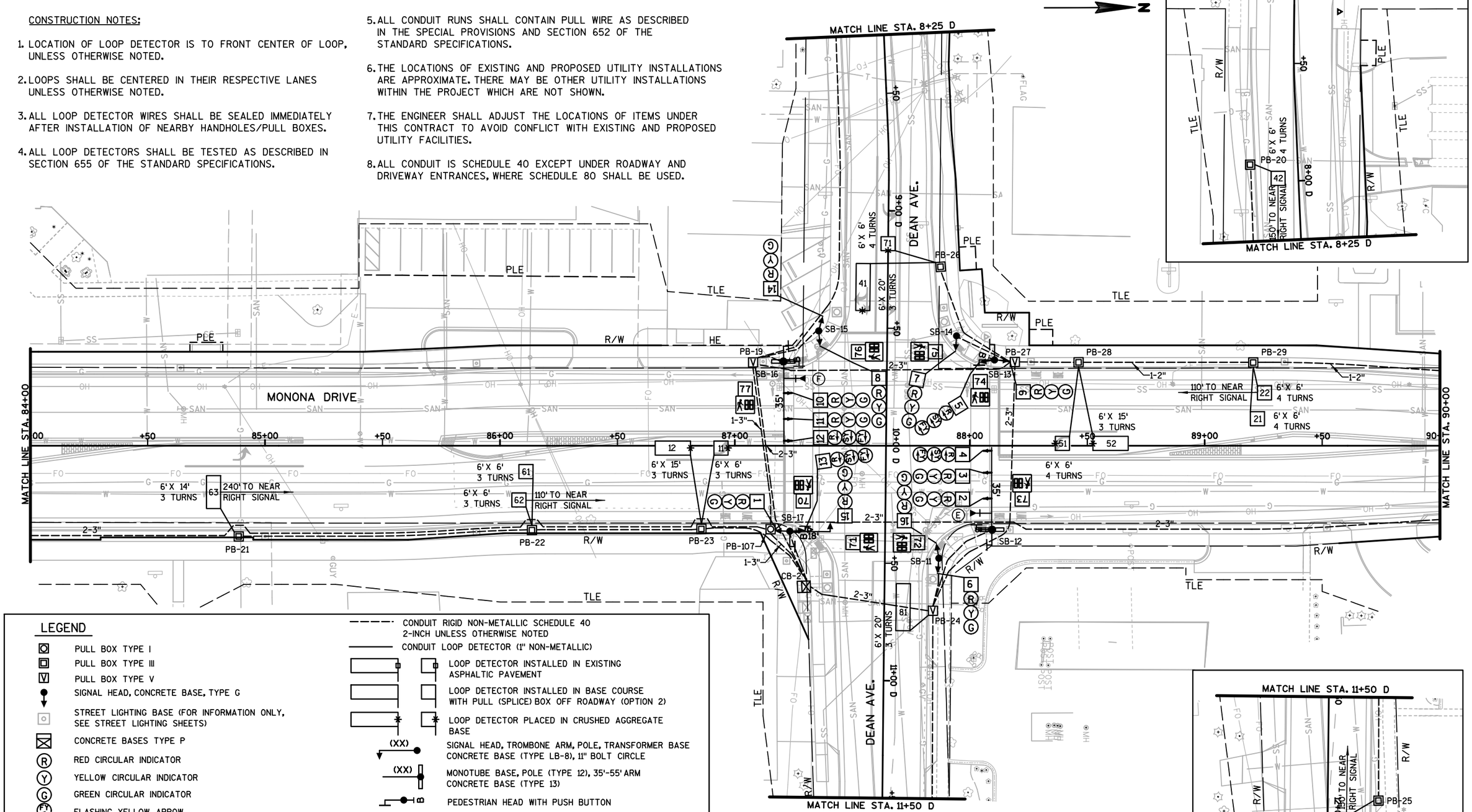
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- EVP DETECTOR

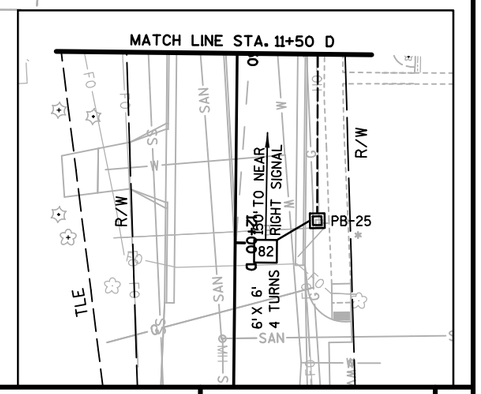
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024005_sp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
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LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- FLASHING YELLOW ARROW
- STEADY YELLOW ARROW
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- CONDUIT LOOP DETECTOR (1" NON-METALLIC)
- LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
- LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
- (XX) SIGNAL HEAD, TROMBONE ARM, POLE, TRANSFORMER BASE CONCRETE BASE (TYPE LB-8), 11" BOLT CIRCLE
- (XX) MONOTUBE BASE, POLE (TYPE 12), 35'-55' ARM CONCRETE BASE (TYPE 13)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- 2 SIGNAL HEAD NUMBER
- 60 WALK/DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- EVP DETECTOR

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 153 E

CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
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N

SPRINGHAVEN AVE.

MONONA DRIVE

MATCH LINE STA. 90+00

MATCH LINE STA. 96+00

PB-30

1-2"

240' TO NEAR RIGHT SIGNAL

23

6' X 14' 4 TURNS

PB-108

2-3"

PB-109

FA-1

ELECTRICAL SERVICE METER BREAKER PEDESTAL REQ'D

INSTALL ON CONCRETE BASES TYPE 1
(1) PEDESTAL BASES
(1) TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT
(1) TRAFFIC SIGNAL FACE 1 - 12-INCH VERTICAL
(1) BACKPLATES SIGNAL FACE 1 SECTION 12-INCH
(1) TRAFFIC SIGNAL FLASHER CABINET ASSEMBLY

LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (FY) FLASHING YELLOW ARROW
- (SY) STEADY YELLOW ARROW
- (FR) (R) RED ARROW
- (FY) (Y) YELLOW ARROW
- (FG) (G) GREEN ARROW

- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
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- LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
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- PEDESTRIAN HEAD WITH PUSH BUTTON
- 2 SIGNAL HEAD NUMBER
- 60 WALK/DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- EVP DETECTOR

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN / TRAFFIC SIGNAL FLASHER ASSEMBLY	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024007_sp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

MONONA DRIVE & DEAN AVENUE INTERSECTION
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NO.	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CONTROL CABINET TO SB-11	9/C	6	WB	R	R	Ø 8
				Y	O	
				G	G	
		16	EB	R	R/BLK	Ø 4
				Y	W	
				G	G/BLK	
CONTROL CABINET TO SB-12	9/C	2	NB	R	R	Ø 6
				Y	O	
				G	G	
		3	NB	R	R	Ø 6
				Y	O	
				G	G	
		4	NBL	← R	R	Ø 1
				←SY	O	
				←FY	G	
		72	Ø6 PED	D/WALK	BLU	
				WALK	BLK	
		73	Ø8 PED	D/WALK	W	
				WALK	R/BLK	
				PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-13	15/C	5	NBL	← R	R	Ø 1
				←SY	O	
				←FY	G	
		9	SB	R	R/BLK	Ø 2
				Y	O/BLK	
				G	G/BLK	
		74	Ø8 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON
		75	Ø2 PED	D/WALK	BLU/BLK	
				WALK	BLK/W	
CONTROL CABINET TO SB-14	7/C	7	WB	R	R	Ø 8
				Y	O	
				G	G	
CONTROL CABINET TO SB-15	9/C	8	WB	R	R	Ø 8
				Y	O	
				G	G	
		14	EB	R	R/BLK	Ø 4
				Y	W	
				G	G/BLK	
CONTROL CABINET TO SB-16	9/C	10	SB	R	R	Ø 2
				Y	O	
				G	G	
		11	SB	R	R	Ø 2
				Y	O	
				G	G	
		12	SBL	R	R	Ø 5
				SY	O	
				FY	G	
		76	Ø2 PED	D/WALK	BLK	
				WALK	BLU	
		77	Ø4 PED	D/WALK	W	
				WALK	R/BLK	
				PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-17	19/C	1	NB	R	R	Ø 6
				Y	O	
				G	G	
		13	SBL	← R	R/BLK	Ø 5
				←SY	O/BLK	
				←FY	G/BLK	
		15	EB	R	R/W	Ø 4
				Y	G/W	
				G	B/W	
		70	Ø4 PED	D/WALK	W	
				WALK	BLK	
				PED BUTTON	BLU	BUTTON
		71	Ø6 PED	D/WALK	BLU/BLK	
				WALK	BLK/W	

BLK = BLACK
W = WHITE
R = RED
G = GREEN
O = ORANGE
BLU = BLUE

1. ENSURE THE GROUNDED CONDUCTORS AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
2. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.

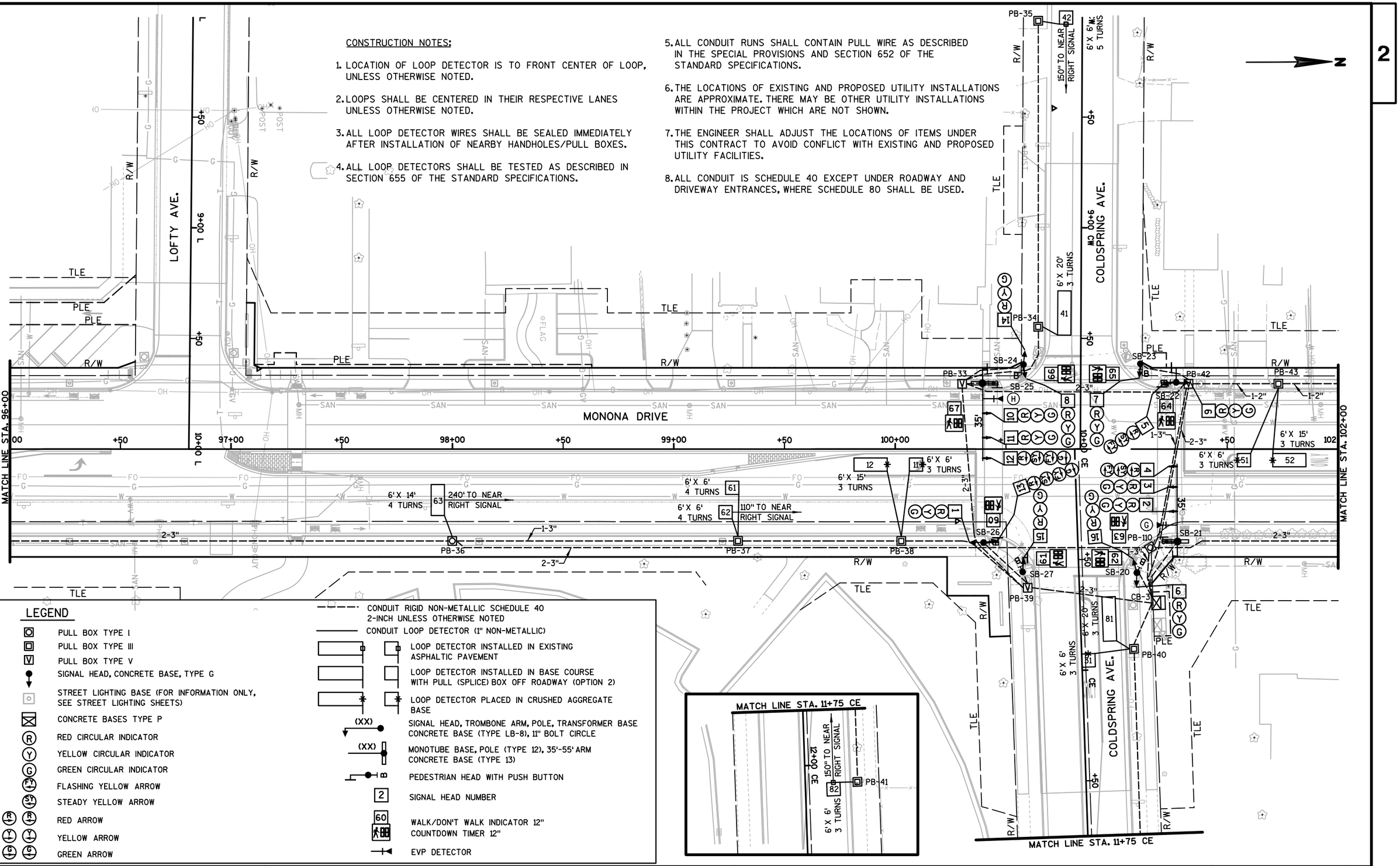
TRAFFIC CONTROL SIGNAL
MONONA DRIVE &
DEAN AVENUE
DANE COUNTY
SIGNAL NO. S1344
DESIGNED BY: STRAND
REVISED BY:
PAGE 4 OF 4

PROJECT NO: 5994-00-72 | HWY: MONONA DRIVE | COUNTY: DANE | CABLE ROUTING | SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024007a_cr.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. LOCATION OF LOOP DETECTOR IS TO FRONT CENTER OF LOOP, UNLESS OTHERWISE NOTED.
2. LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
3. ALL LOOP DETECTOR WIRES SHALL BE SEALED IMMEDIATELY AFTER INSTALLATION OF NEARBY HANDHOLES/PULL BOXES.
4. ALL LOOP DETECTORS SHALL BE TESTED AS DESCRIBED IN SECTION 655 OF THE STANDARD SPECIFICATIONS.
5. ALL CONDUIT RUNS SHALL CONTAIN PULL WIRE AS DESCRIBED IN THE SPECIAL PROVISIONS AND SECTION 652 OF THE STANDARD SPECIFICATIONS.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
8. ALL CONDUIT IS SCHEDULE 40 EXCEPT UNDER ROADWAY AND DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.



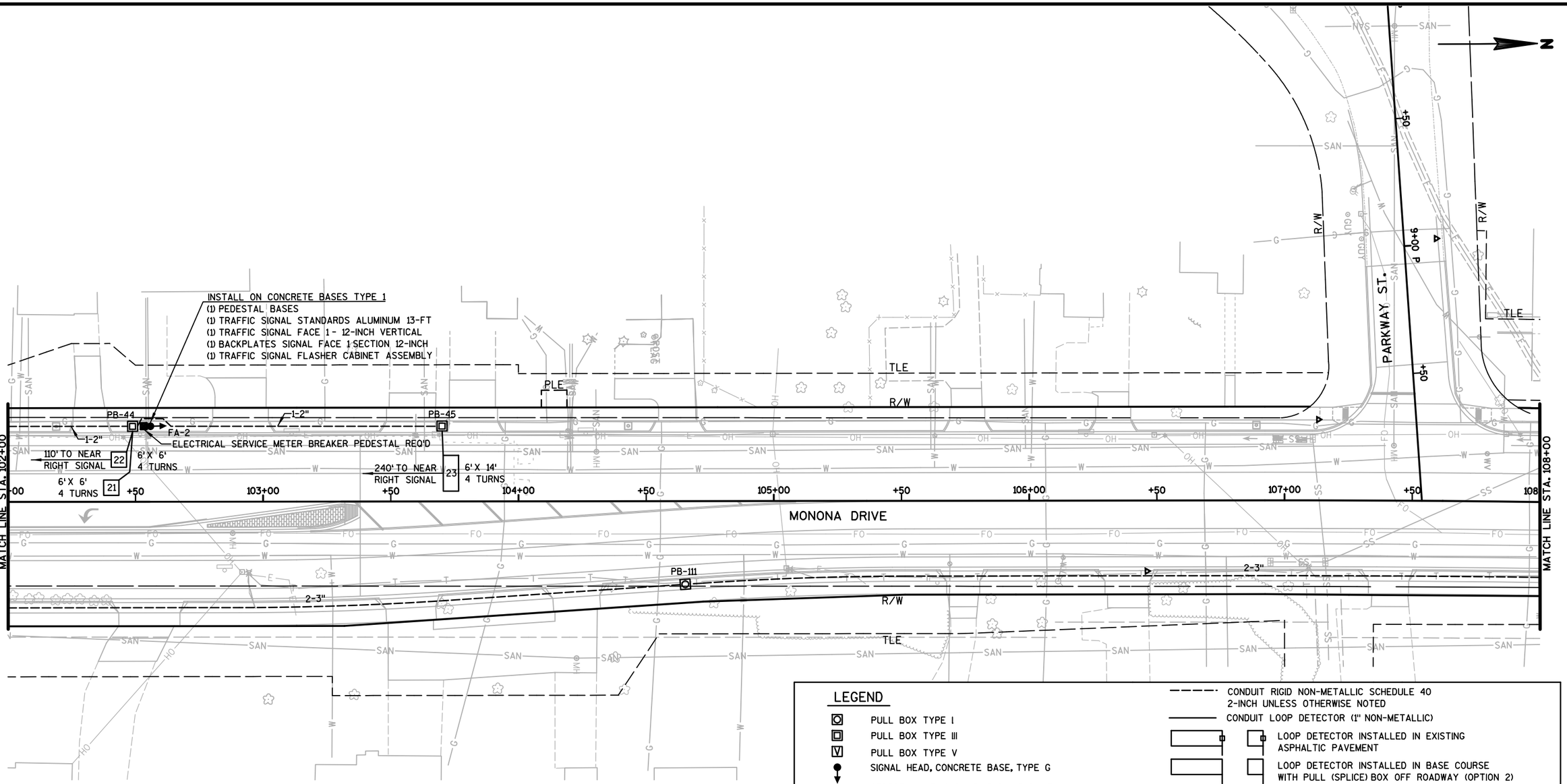
LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- FLASHING YELLOW ARROW
- STEADY YELLOW ARROW
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

- CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED
- CONDUIT LOOP DETECTOR (1" NON-METALLIC)
- LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
- LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
- LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
- (XX) SIGNAL HEAD, TROMBONE ARM, POLE, TRANSFORMER BASE CONCRETE BASE (TYPE LB-8), 11" BOLT CIRCLE
- (XX) MONOTUBE BASE, POLE (TYPE 12), 35'-55' ARM CONCRETE BASE (TYPE 13)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- 2 SIGNAL HEAD NUMBER
- 60 WALK/DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- EVP DETECTOR

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024008_sp.dgn PLOT DATE : 8/30/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



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7. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
8. ALL CONDUIT IS SCHEDULE 40 EXCEPT UNDER ROADWAY AND DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.

LEGEND

- PULL BOX TYPE I
- PULL BOX TYPE III
- PULL BOX TYPE V
- SIGNAL HEAD, CONCRETE BASE, TYPE G
- STREET LIGHTING BASE (FOR INFORMATION ONLY, SEE STREET LIGHTING SHEETS)
- CONCRETE BASES TYPE P
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (FY) FLASHING YELLOW ARROW
- (SY) STEADY YELLOW ARROW
- (R) (R) RED ARROW
- (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW

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- EVP DETECTOR

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN / TRAFFIC SIGNAL FLASHER ASSEMBLY	SHEET 157	E

MONONA DRIVE & COLDSPRING AVENUE INTERSECTION TRAFFIC SIGNAL CABLING CHART NO. 14 CABLE						
CABLE RUN	CABLE	HEAD NO.	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CONTROL CABINET TO SB-20	9/C	6	WB	R	R	Ø 8
				Y	O	
				G	G	
		16	EB	R	R/BLK	Ø 4
				Y	W	
				G	G/BLK	
			Ø6 PED	PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-21	9/C	2	NB	R	R	Ø6
				Y	O	
				G	G	
		3	NB	R	R	Ø6
				Y	O	
				G	G	
		4	NBL	← R	R	Ø1
				←SY	O	
				←FY	G	
		62	Ø6 PED	D/WALK	G/BLK	
				WALK	BLK	
		63	Ø8 PED	D/WALK	BLU	
				WALK	W/BLK	
				PED BUTTON	BLU	BUTTON
CONTROL CABINET TO SB-22	15/C	5	NBL	← R	R	Ø1
				←SY	O	
				←FY	G	
		9	SB	FY	R/BLK	Ø2
				G	O/BLK	
				R	G/BLK	
		64	Ø8 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON
		65	Ø2 PED	D/WALK	W	
				WALK	BLU/BLK	
CONTROL CABINET TO SB-23	7/C	7	WB	R	R	Ø 8
				Y	O	
				G	G	
			Ø2 PED	PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-24	9/C	8	WB	R	R	Ø 8
				Y	O	
				G	G	
		14	EB	R	R/BLK	Ø 4
				Y	W	
				G	G/BLK	
			Ø2 PED	PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-25	12/C	10	SB	R	R	Ø2
				Y	O	
				G	G	
		11	SB	R	R	Ø2
				Y	O	
				G	G	
		12	SBL	← R	R	Ø5
				←SY	O	
				←FY	G	
				← G	G/BLK	
		66	Ø2 PED	D/WALK	BLK	
				WALK	BLU	
		67	Ø4 PED	D/WALK	W	
				WALK	BLU/BLK	
				PED BUTTON	W/BLK	BUTTON

MONONA DRIVE & COLDSPRING AVENUE INTERSECTION TRAFFIC SIGNAL CABLING CHART NO. 14 CABLE						
CABLE RUN	CABLE	HEAD NO.	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CONTROL CABINET TO SB-26	15/C	1	NB	R	R	Ø6
				Y	O	
				G	G	
		13	SBL	← R	R/BLK	Ø5
				←SY	O/BLK	
				←FY	G/BLK	
				← G	W	
		60	Ø4 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON
CONTROL CABINET TO SB-27	7/C	15	EB	R	R	Ø4
				Y	O	
				G	G	
		61	Ø6 PED	D/WALK	BLK	
				WALK	BLU	
				PED BUTTON	W/BLK	BUTTON

1. ENSURE THE GROUNDED CONDUCTORS AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
2. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.

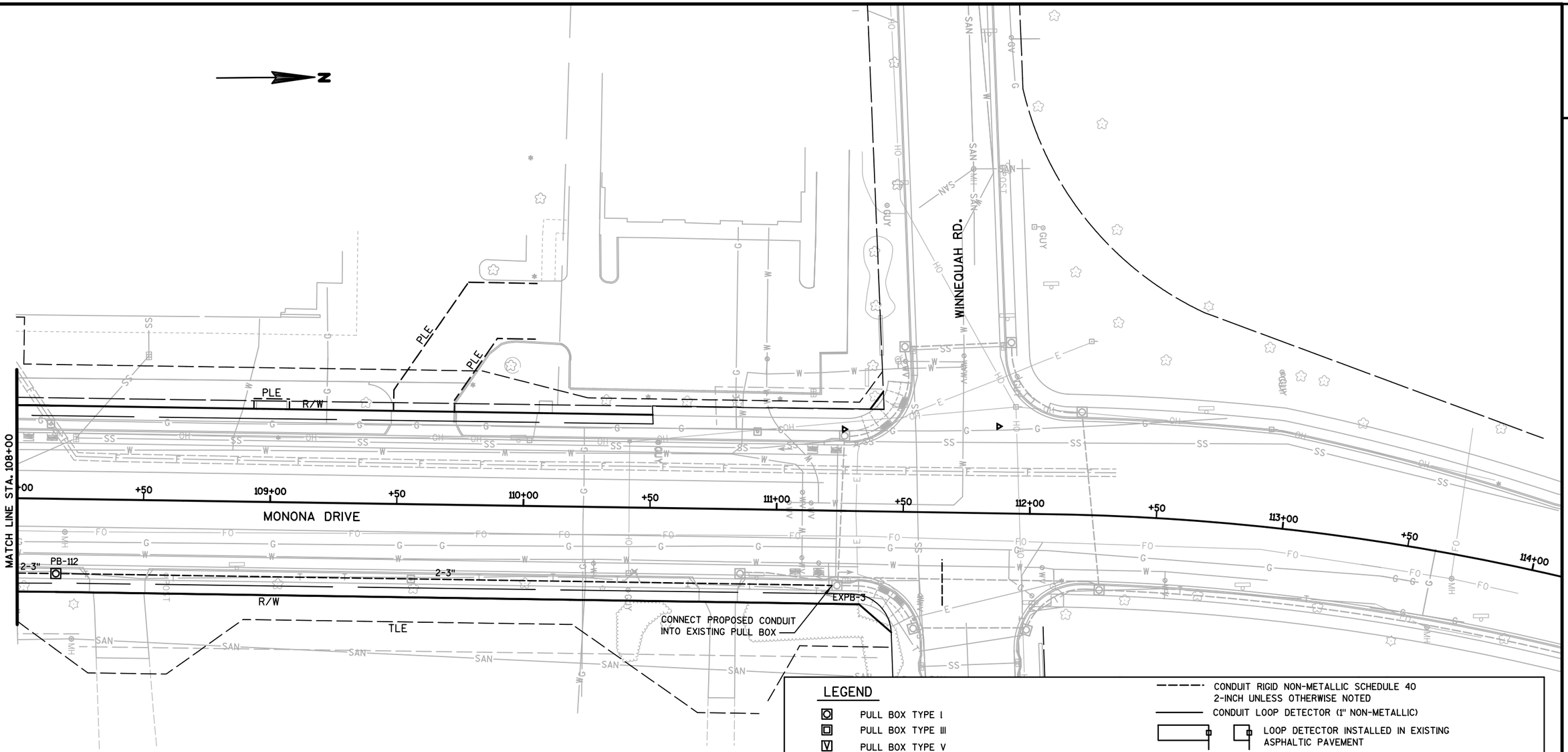
BLK = BLACK
W = WHITE
R = RED
G = GREEN
O = ORANGE
BLU = BLUE

TRAFFIC CONTROL SIGNAL
MONONA DRIVE &
COLDSPRING AVENUE
DANE COUNTY
SIGNAL NO. S1344
DESIGNED BY: STRAND
REVISED BY:
PAGE 4 OF 4

PROJECT NO: 5994-00-72 | HWY: MONONA DRIVE | COUNTY: DANE | CABLE ROUTING | SHEET | E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024009a_cr.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



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LEGEND

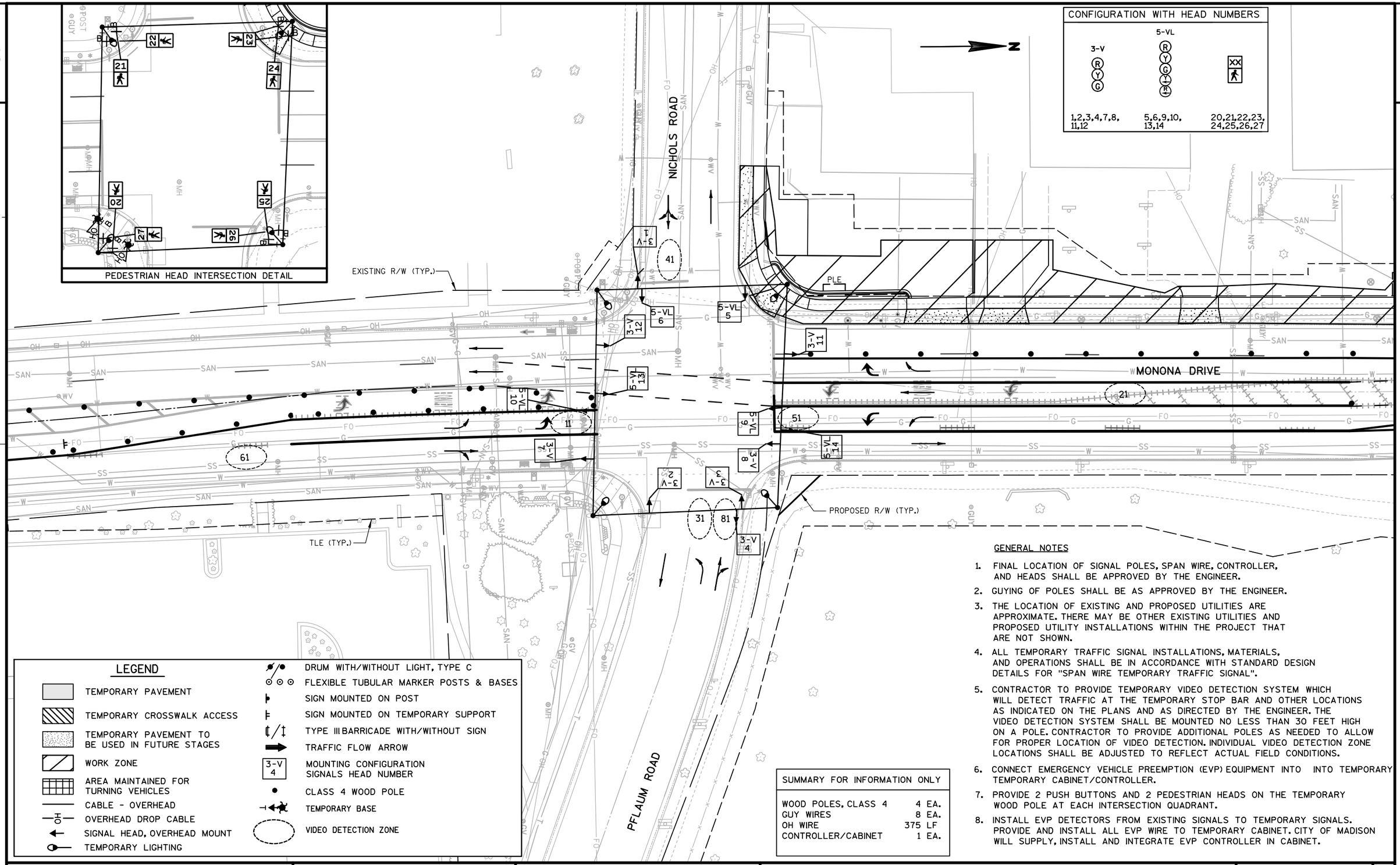
- PULL BOX TYPE I
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- EVP DETECTOR

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024010_sp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PEDESTRIAN HEAD INTERSECTION DETAIL



LEGEND

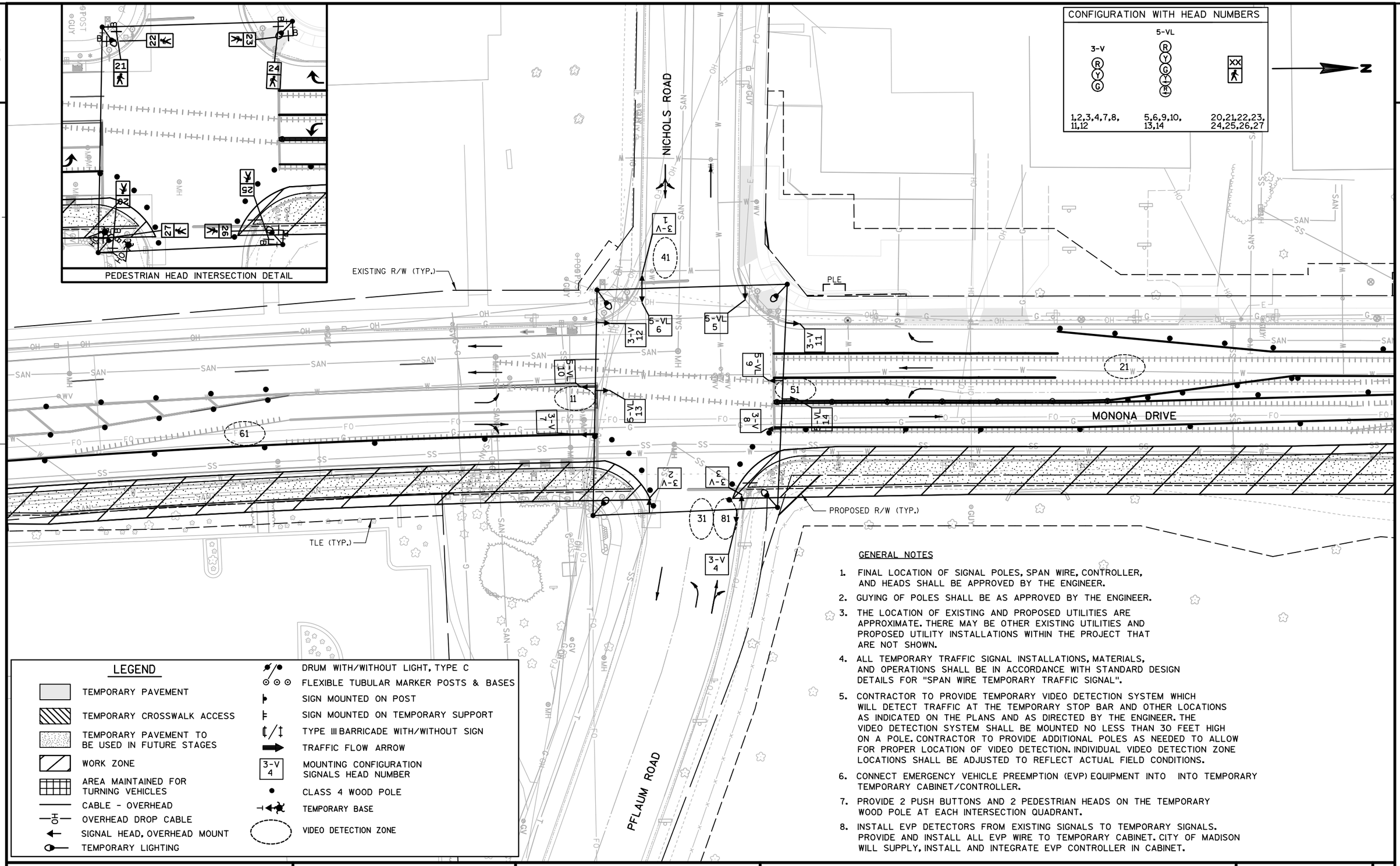
- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- CABLE - OVERHEAD
- OVERHEAD DROP CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY LIGHTING
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH/WITHOUT SIGN
- TRAFFIC FLOW ARROW
- 3-V 4 — MOUNTING CONFIGURATION SIGNALS HEAD NUMBER
- CLASS 4 WOOD POLE
- TEMPORARY BASE
- VIDEO DETECTION ZONE

SUMMARY FOR INFORMATION ONLY	
WOOD POLES, CLASS 4	4 EA.
GUY WIRES	8 EA.
OH WIRE	375 LF
CONTROLLER/CABINET	1 EA.

GENERAL NOTES

1. FINAL LOCATION OF SIGNAL POLES, SPAN WIRE, CONTROLLER, AND HEADS SHALL BE APPROVED BY THE ENGINEER.
2. GUYING OF POLES SHALL BE AS APPROVED BY THE ENGINEER.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. ALL TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, MATERIALS, AND OPERATIONS SHALL BE IN ACCORDANCE WITH STANDARD DESIGN DETAILS FOR "SPAN WIRE TEMPORARY TRAFFIC SIGNAL".
5. CONTRACTOR TO PROVIDE TEMPORARY VIDEO DETECTION SYSTEM WHICH WILL DETECT TRAFFIC AT THE TEMPORARY STOP BAR AND OTHER LOCATIONS AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE VIDEO DETECTION SYSTEM SHALL BE MOUNTED NO LESS THAN 30 FEET HIGH ON A POLE. CONTRACTOR TO PROVIDE ADDITIONAL POLES AS NEEDED TO ALLOW FOR PROPER LOCATION OF VIDEO DETECTION. INDIVIDUAL VIDEO DETECTION ZONE LOCATIONS SHALL BE ADJUSTED TO REFLECT ACTUAL FIELD CONDITIONS.
6. CONNECT EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT INTO INTO TEMPORARY TEMPORARY CABINET/CONTROLLER.
7. PROVIDE 2 PUSH BUTTONS AND 2 PEDESTRIAN HEADS ON THE TEMPORARY WOOD POLE AT EACH INTERSECTION QUADRANT.
8. INSTALL EVP DETECTORS FROM EXISTING SIGNALS TO TEMPORARY SIGNALS. PROVIDE AND INSTALL ALL EVP WIRE TO TEMPORARY CABINET. CITY OF MADISON WILL SUPPLY, INSTALL AND INTEGRATE EVP CONTROLLER IN CABINET.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 PHASE II	SHEET 160	E



LEGEND

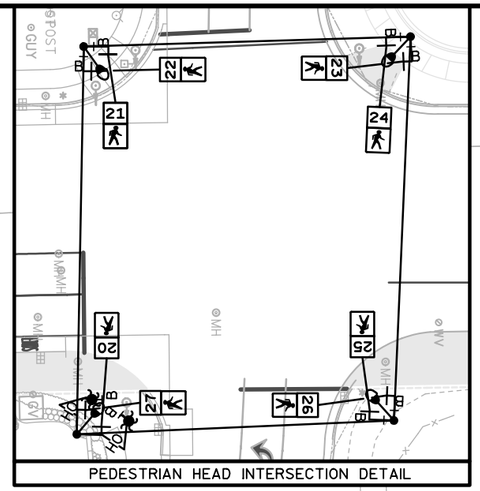
- TEMPORARY PAVEMENT
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- TEMPORARY BASE
- VIDEO DETECTION ZONE

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8. INSTALL EVP DETECTORS FROM EXISTING SIGNALS TO TEMPORARY SIGNALS. PROVIDE AND INSTALL ALL EVP WIRE TO TEMPORARY CABINET. CITY OF MADISON WILL SUPPLY, INSTALL AND INTEGRATE EVP CONTROLLER IN CABINET.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024011_sptemp.S2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42



PEDESTRIAN HEAD INTERSECTION DETAIL

CONFIGURATION WITH HEAD NUMBERS

3-V	5-VL	XX
1,2,3,4,7,8, 11,12	5,6,9,10, 13,14	20,21,22,23, 24,25,26,27

N

NICHOLS ROAD

MONONA DRIVE

PFLAUM ROAD

EXISTING R/W (TYP.)

PROPOSED R/W (TYP.)

TLE (TYP.)

PLE

5-VL 6 — 41

5-VL 5

3-V 1

3-Y 12

3-Y 11

5-VL 10

5-VL 13

11

61

21

51

5-VL 9

3-V 8

3-V 3

3-V 2

5-VL 14

3-V 7

31

81

3-V 4

LEGEND

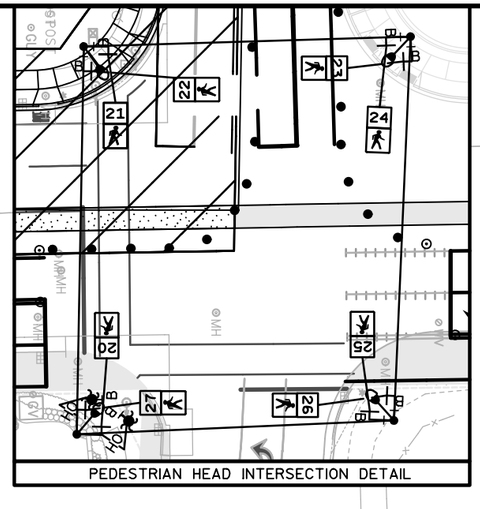
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- TRAFFIC FLOW ARROW
- 3-V 4 — MOUNTING CONFIGURATION SIGNALS HEAD NUMBER
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- TEMPORARY BASE
- VIDEO DETECTION ZONE

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 PHASE I	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024012_sptemp.S3 phase I.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PEDESTRIAN HEAD INTERSECTION DETAIL

CONFIGURATION WITH HEAD NUMBERS

3-V	5-VL	
R Y G	R Y G Y R	XX
1,2,3,4,7,8, 11,12	5,6,9,10, 13,14	20,21,22,23, 24,25,26,27

N

NICHOLS ROAD

EXISTING R/W (TYP.)

PROPOSED R/W (TYP.)

TLE (TYP.)

PLE

MONONA DRIVE

PFLAUM ROAD

3-V 1 · 5-VL 6 · 41 · 5-VL 5 · 3-V 11 · 5-VL 10 · 11 · 3-V 12 · 5-VL 13 · 5-VL 9 · 51 · 3-V 2 · 3-V 3 · 3-V 8 · 5-VL 14 · 3-V 7 · 31 · 81 · 3-V 4 · 61 · 21

LEGEND

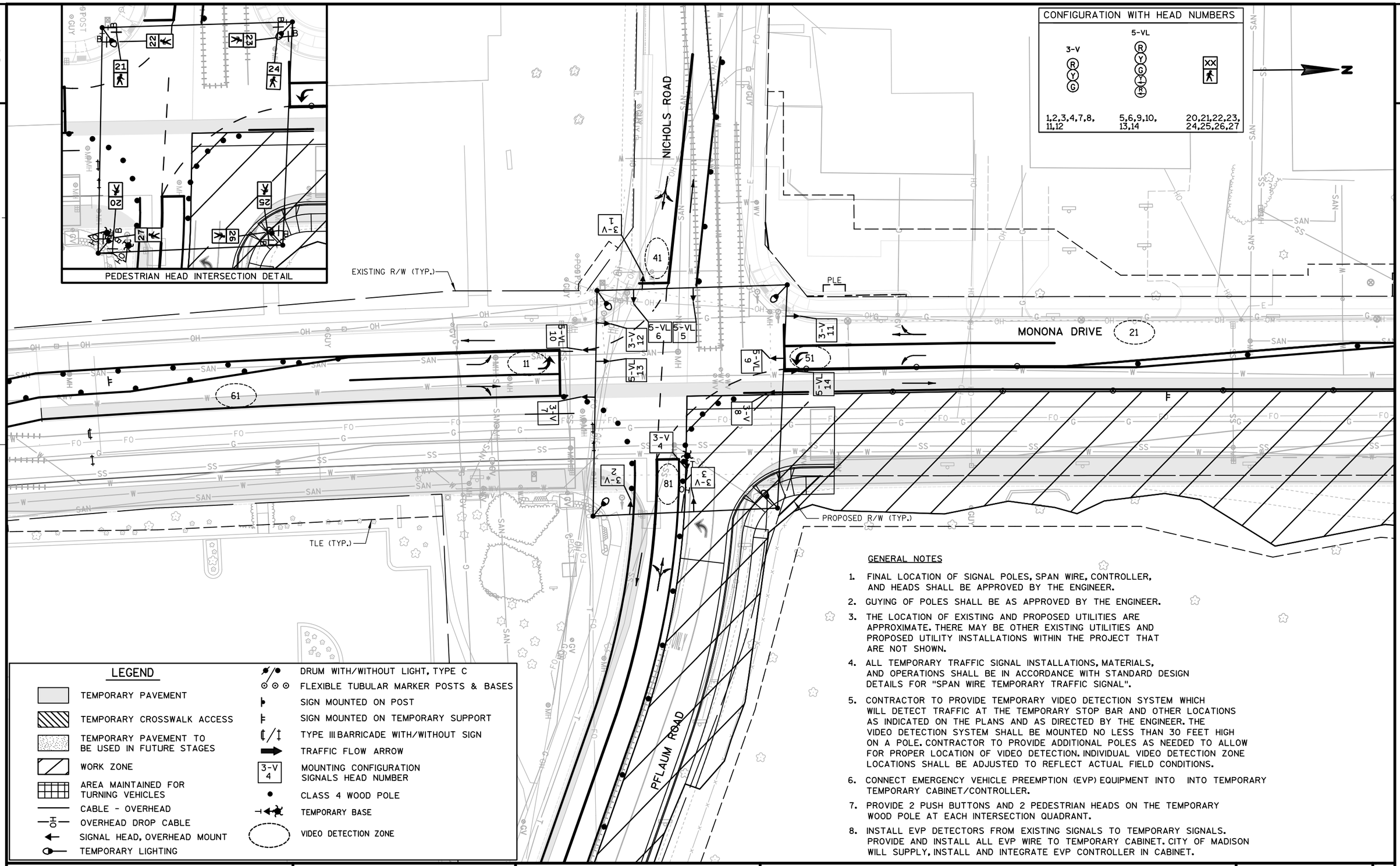
- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- CABLE - OVERHEAD
- OVERHEAD DROP CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY LIGHTING
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH/WITHOUT SIGN
- TRAFFIC FLOW ARROW
- 3-V 4 — MOUNTING CONFIGURATION SIGNALS HEAD NUMBER
- CLASS 4 WOOD POLE
- TEMPORARY BASE
- VIDEO DETECTION ZONE

GENERAL NOTES

1. FINAL LOCATION OF SIGNAL POLES, SPAN WIRE, CONTROLLER, AND HEADS SHALL BE APPROVED BY THE ENGINEER.
2. GUYING OF POLES SHALL BE AS APPROVED BY THE ENGINEER.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. ALL TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, MATERIALS, AND OPERATIONS SHALL BE IN ACCORDANCE WITH STANDARD DESIGN DETAILS FOR "SPAN WIRE TEMPORARY TRAFFIC SIGNAL".
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 PHASE II	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024012_sptemp.S3 phase II.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



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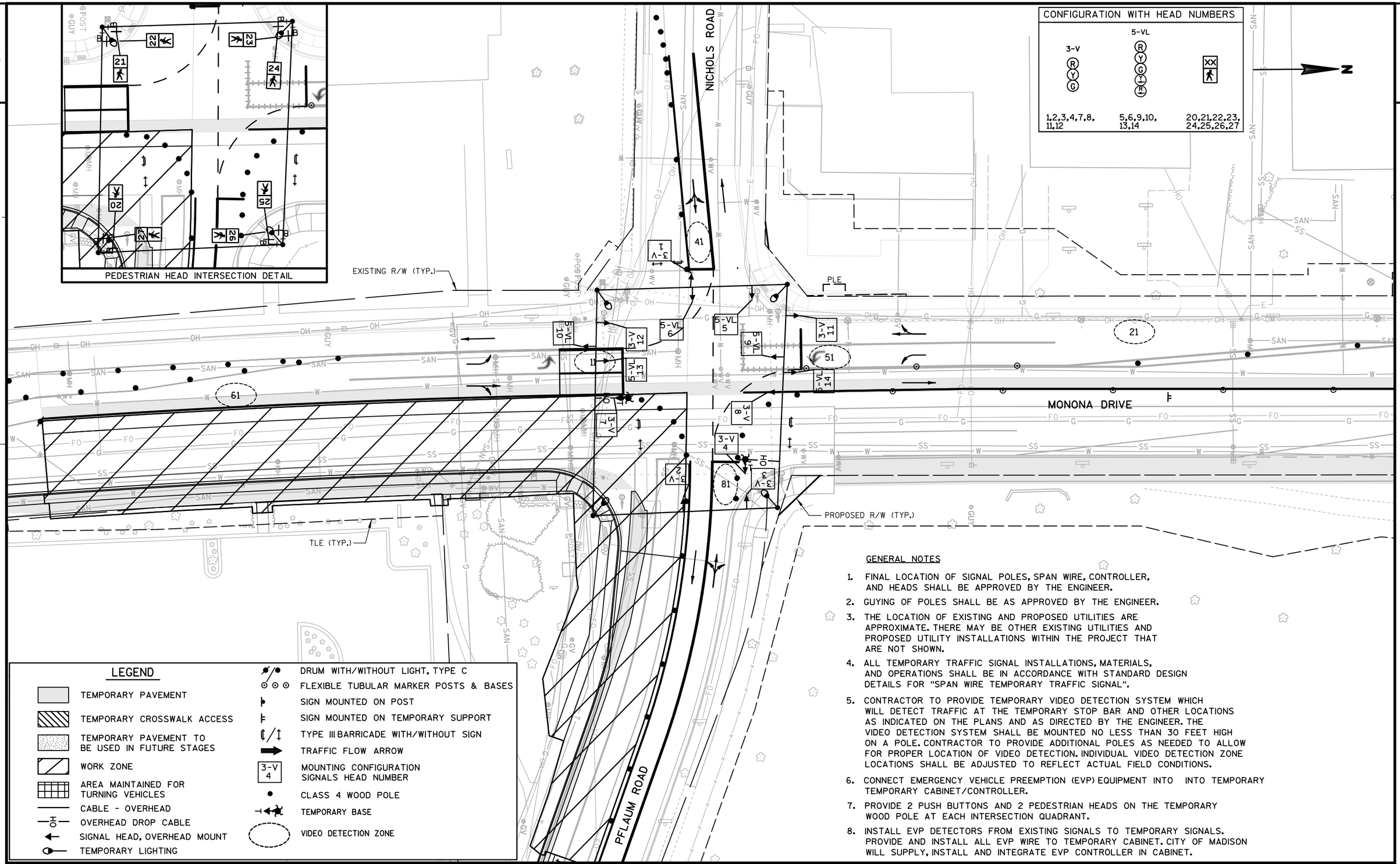
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 PHASE III	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024012_sptemp.S3 phase III.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



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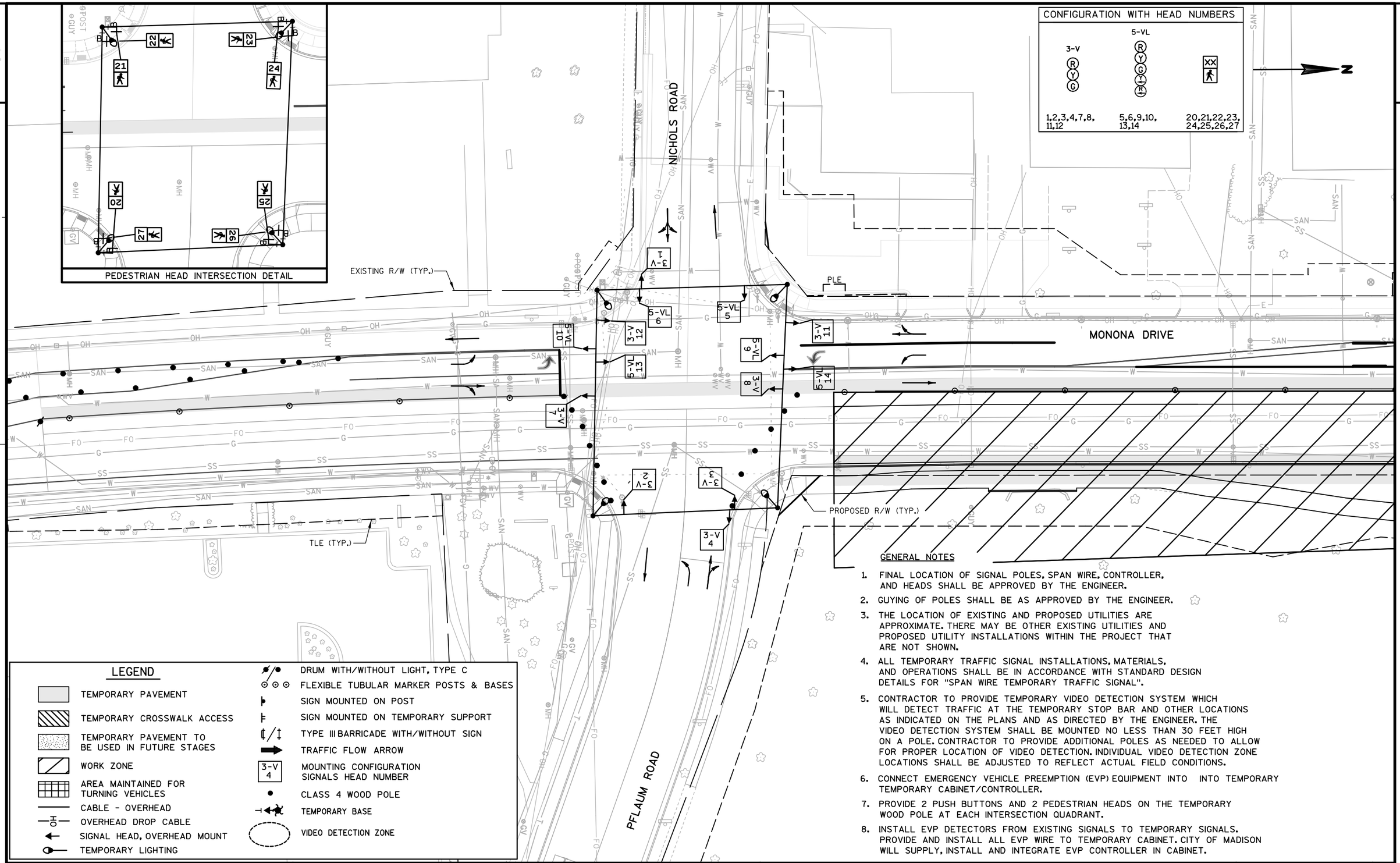
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 PHASE IV	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024012_sptemp.S3 phase IV.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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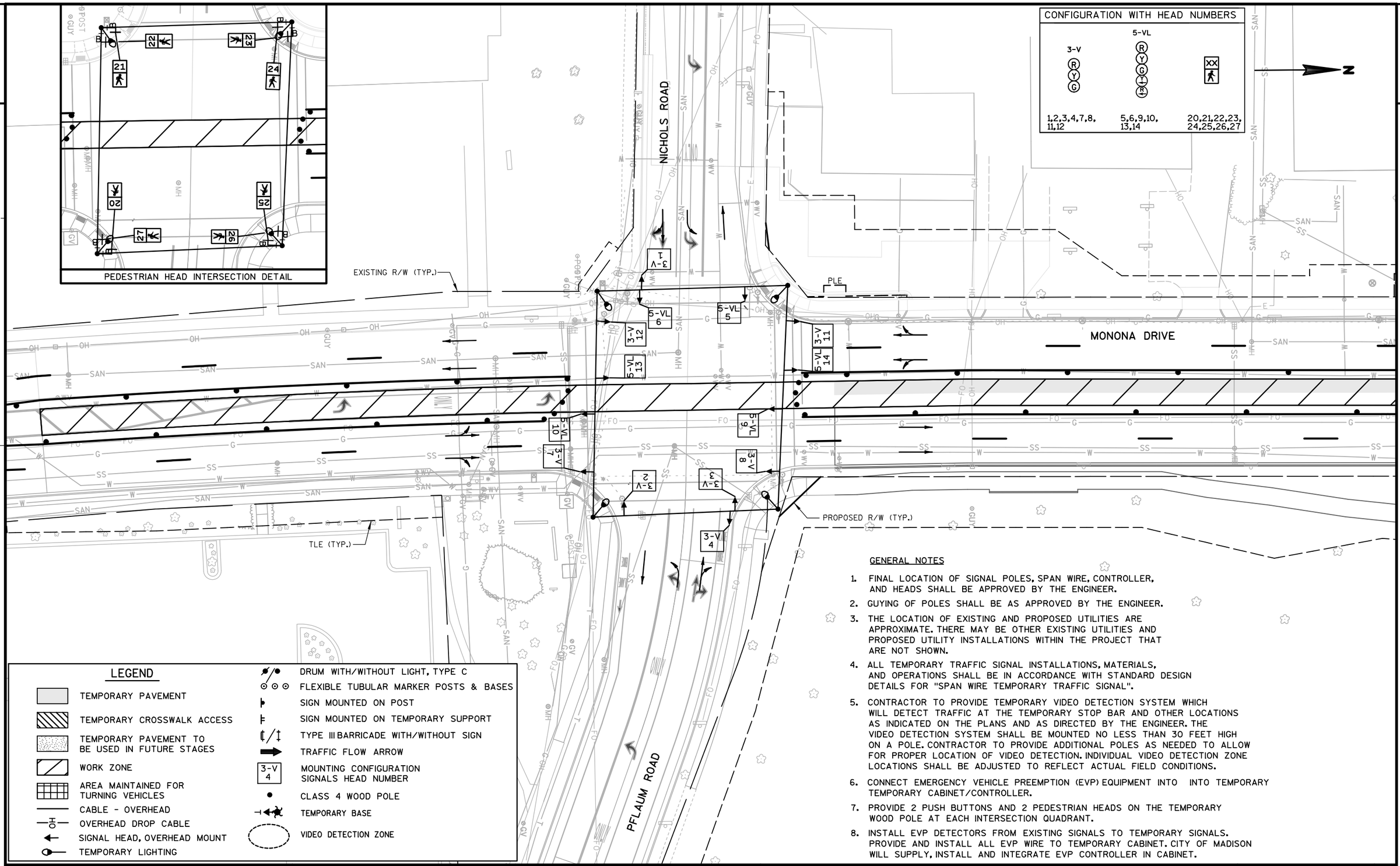
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4 PHASE I	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024013 sptemp.S4.dgn PLOT DATE : 8/30/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PEDESTRIAN HEAD INTERSECTION DETAIL



LEGEND

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- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024013 sptemp.S6.dgn PLOT DATE : 8/30/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION

RING 1

	HEAD NUMBERS	Ø1 R/W	Ø1 CLEAR TO **	Ø2 R/W	Ø2 CLEAR TO **	Ø3 R/W	Ø3 CLEAR TO **	Ø4 R/W	Ø4 CLEAR TO **	FLASH
Ø1	9,10	G	Y -	-	- -	-	- -	-	- -	
Ø2	11,12,13,14	R	R R	G	Y R	R	R R	R	R R	R
Ø3	5,6	-	- -	-	- -	G	Y -	-	- -	
Ø4	1,2,3	R	R R	R	R R	R	R R	G	Y R	R
Ø5	13,14	-	- -	-	- -	-	- -	-	- -	
Ø6	7,8,9,10	R	R R	R	R R	R	R R	R	R R	R
Ø7						R	R R	R	R R	
Ø8	4,5,6	R	R R	R	R R	R	R R	R	R R	R
Ø2P	22,23	DW	DW DW	*	DW DW	DW	DW DW	DW	DW DW	
Ø4P	20,21	DW	DW DW	DW	DW DW	DW	DW DW	*	DW DW	
Ø6P	26,27	DW	DW DW	DW	DW DW	DW	DW DW	DW	DW DW	
Ø8P	24,25	DW	DW DW	DW	DW DW	DW	DW DW	DW	DW DW	

NOT USED

RING 2

	HEAD NUMBERS	Ø5 R/W	Ø5 CLEAR TO **	Ø6 R/W	Ø6 CLEAR TO **	Ø7 R/W	Ø7 CLEAR TO **	Ø8 R/W	Ø8 CLEAR TO **
Ø1	9,10	-	- -	-	- -			-	- -
Ø2	11,12,13,14	R	R R	R	R R			R	R R
Ø3	5,6	-	- -	-	- -			-	- -
Ø4	1,2,3	R	R R	R	R R			R	R R
Ø5	13,14	G	Y -	-	- -			-	- -
Ø6	7,8,9,10	R	R R	G	Y R			R	R R
Ø7									
Ø8	4,5,6	R	R R	R	R R			G	Y R
Ø2P	22,23	DW	DW DW	DW	DW DW			DW	DW DW
Ø4P	20,21	DW	DW DW	DW	DW DW			DW	DW DW
Ø6P	26,27	DW	DW DW	*	DW DW			DW	DW DW
Ø8P	24,25	DW	DW DW	DW	DW DW			*	DW DW

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

BARRIER

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
Ø1	5 OR 6	2,3,4,8
Ø2	5 OR 6	1,3,4,8
Ø3	8	1,2,4,5,6
Ø4	8	1,2,3,5,6
Ø5	1 OR 2	
Ø6	1 OR 2	4,8
Ø7		
Ø8	4	1,2,3,5,6

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		5		
2		6	MIN	X
3				
4		8	MIN	X
5		1		
6		2	MIN	X
7				
8		4	MIN	X

OVERLAPS

O.L. "A" =
O.L. "B" =
O.L. "C" =
O.L. "D" =
NONE

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM *: SS- -	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
3. PHASE 1 AND 5 SHALL BE TURNED OFF DURING STAGE 6.
4. PHASE 3 SHALL BE TURNED OFF DURING STAGE 3 PHASE III AND STAGE 3 PHASE IV.

CTH BB (MONONA DRIVE) &
NICHOLS/PFLAUM ROAD
CITY OF MONONA
DANE COUNTY

SIGNAL NO.

CONTROLLER TYPE:

DATE 7/12 PAGE NO. OF

PROJECT NO: 5994-00-72 | HWY: MONONA DRIVE | COUNTY: DANE | TEMPORARY SEQUENCE OF OPERATIONS - MONONA DR. & PFLAUM RD | SHEET NO: 168 | E

2

SUMMARY FOR INFORMATION ONLY	
WOOD POLES, CLASS 4	4 EA.
GUY WIRES	8 EA.
OH WIRE	335 LF
CONTROLLER/CABINET	1 EA.

CONFIGURATION WITH HEAD NUMBERS	
3-V (R, Y, G)	XX
1,2,3,4,5,6, 7,8,9,10,11,12	20,21,22,23, 24,25,26,27

PEDESTRIAN HEAD INTERSECTION DETAIL

DEAN AVENUE

MONONA DRIVE

PLE

TLE (TYP.)

HE

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

41 61 81 21

3-V 1 · 3-V 2 · 3-V 3 · 3-V 4 · 3-V 5 · 3-V 6 · 3-V 7 · 3-V 8 · 3-V 9 · 3-V 10 · 3-V 11 · 3-V 12

LEGEND

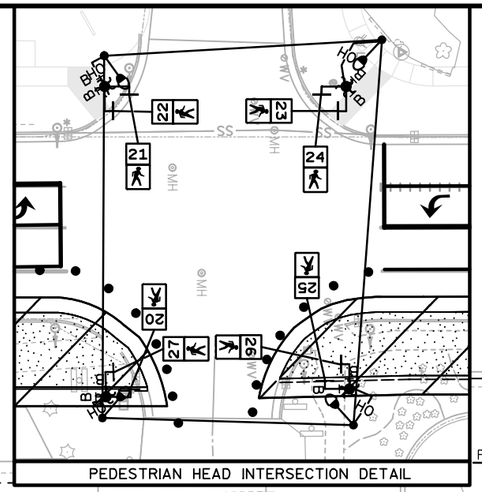
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 PHASE II	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024014_sptemp.S1.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONFIGURATION WITH HEAD NUMBERS

3-V (R, Y, G) — XX

1,2,3,4,5,6, 7,8,9,10,11,12 — 20,21,22,23, 24,25,26,27

DEAN AVENUE

MONONA DRIVE

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

TLE (TYP.)

PLE

HE

41 61 81 21

3-V 1 · 3-V 2 · 3-V 3 · 3-V 4 · 3-V 5 · 3-V 6 · 3-V 7 · 3-V 8 · 3-V 9 · 3-V 10 · 3-V 11 · 3-V 12

LEGEND

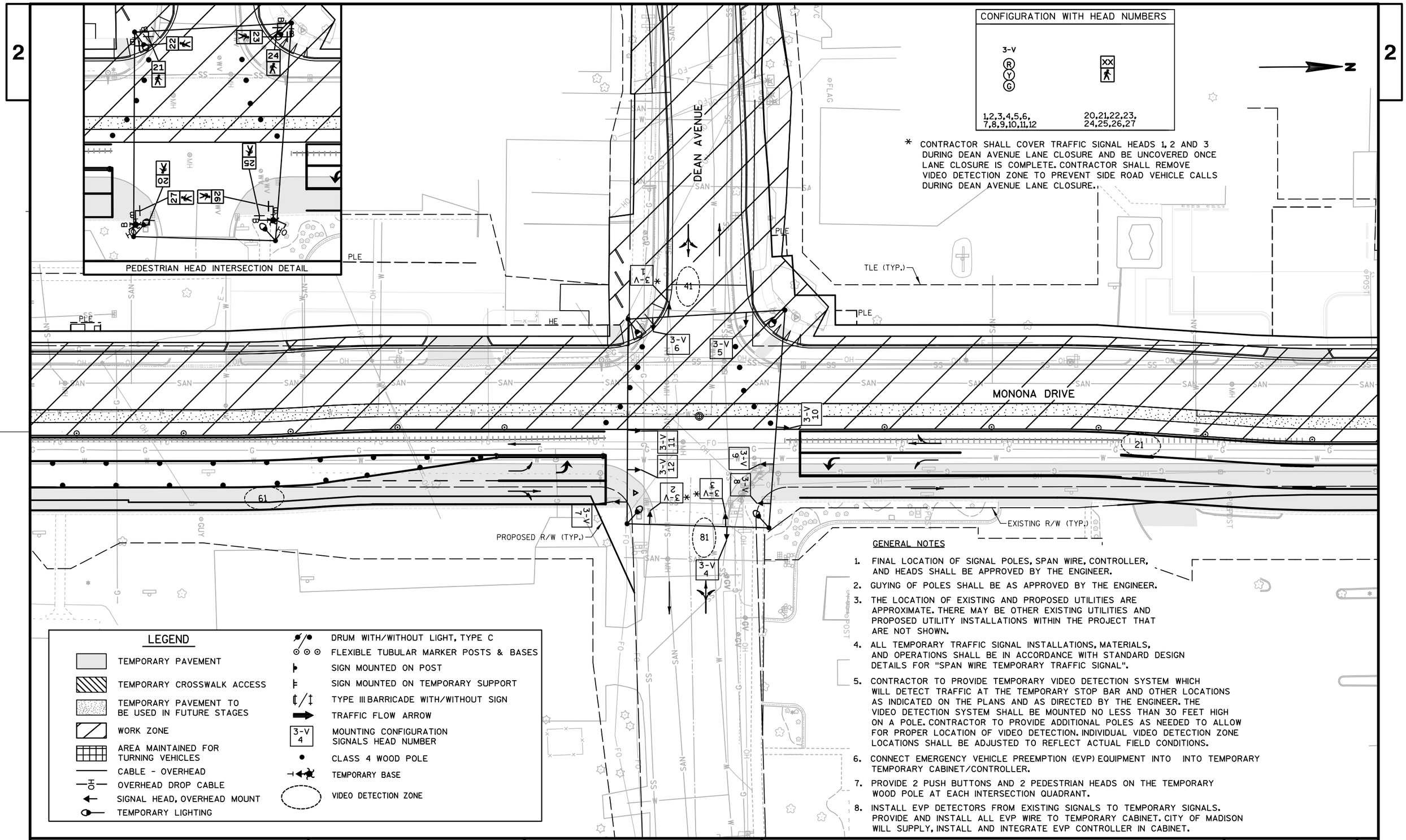
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2. GUYING OF POLES SHALL BE AS APPROVED BY THE ENGINEER.
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024015_sptemp.S2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PEDESTRIAN HEAD INTERSECTION DETAIL

CONFIGURATION WITH HEAD NUMBERS

3-V (R, Y, G) — XX

1,2,3,4,5,6, 7,8,9,10,11,12 — 20,21,22,23, 24,25,26,27

* CONTRACTOR SHALL COVER TRAFFIC SIGNAL HEADS 1, 2 AND 3 DURING DEAN AVENUE LANE CLOSURE AND BE UNCOVERED ONCE LANE CLOSURE IS COMPLETE. CONTRACTOR SHALL REMOVE VIDEO DETECTION ZONE TO PREVENT SIDE ROAD VEHICLE CALLS DURING DEAN AVENUE LANE CLOSURE.

LEGEND

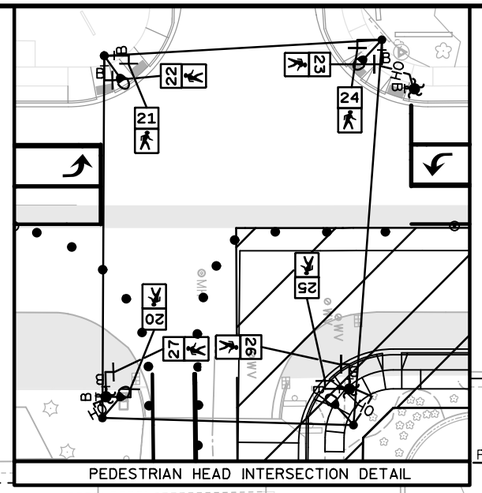
- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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- OVERHEAD DROP CABLE
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- TEMPORARY LIGHTING
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- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
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- 3-V 4 — MOUNTING CONFIGURATION SIGNALS HEAD NUMBER
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- TEMPORARY BASE
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024016_sptemp.S3.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONFIGURATION WITH HEAD NUMBERS	
3-V (R, Y, G)	XX
1,2,3,4,5,6, 7,8,9,10,11,12	20,21,22,23, 24,25,26,27

* CONTRACTOR SHALL COVER TRAFFIC SIGNAL HEADS 4, 5 AND 6 UNTIL DEAN AVENUE REOPENS TO TWO-WAY TRAFFIC.

DEAN AVENUE

MONONA DRIVE

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

TLE (TYP.)

PLE

HE

LEGEND

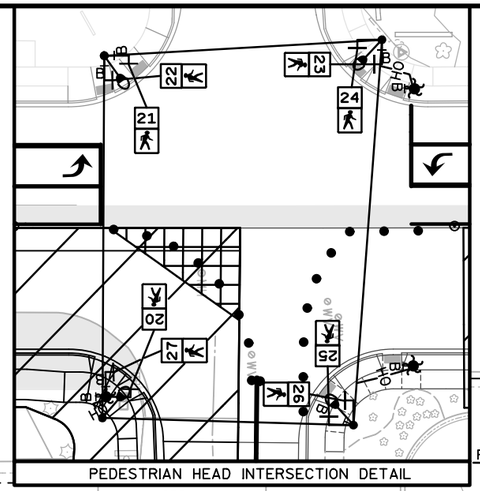
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- TEMPORARY LIGHTING
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
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- TEMPORARY BASE
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024017 sptemp.S4 phase I.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONFIGURATION WITH HEAD NUMBERS	
3-V (R, Y, G)	XX
1,2,3,4,5,6, 7,8,9,10,11,12	20,21,22,23, 24,25,26,27

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DEAN AVENUE

MONONA DRIVE

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

TLE (TYP.)

PLE

HE

41 61 21

3-V 1 · 3-V 2 · 3-V 3 · 3-V 4 · 3-V 5 · 3-V 6 · 3-V 7 · 3-V 8 · 3-V 9 · 3-V 10 · 3-V 11 · 3-V 12

LEGEND

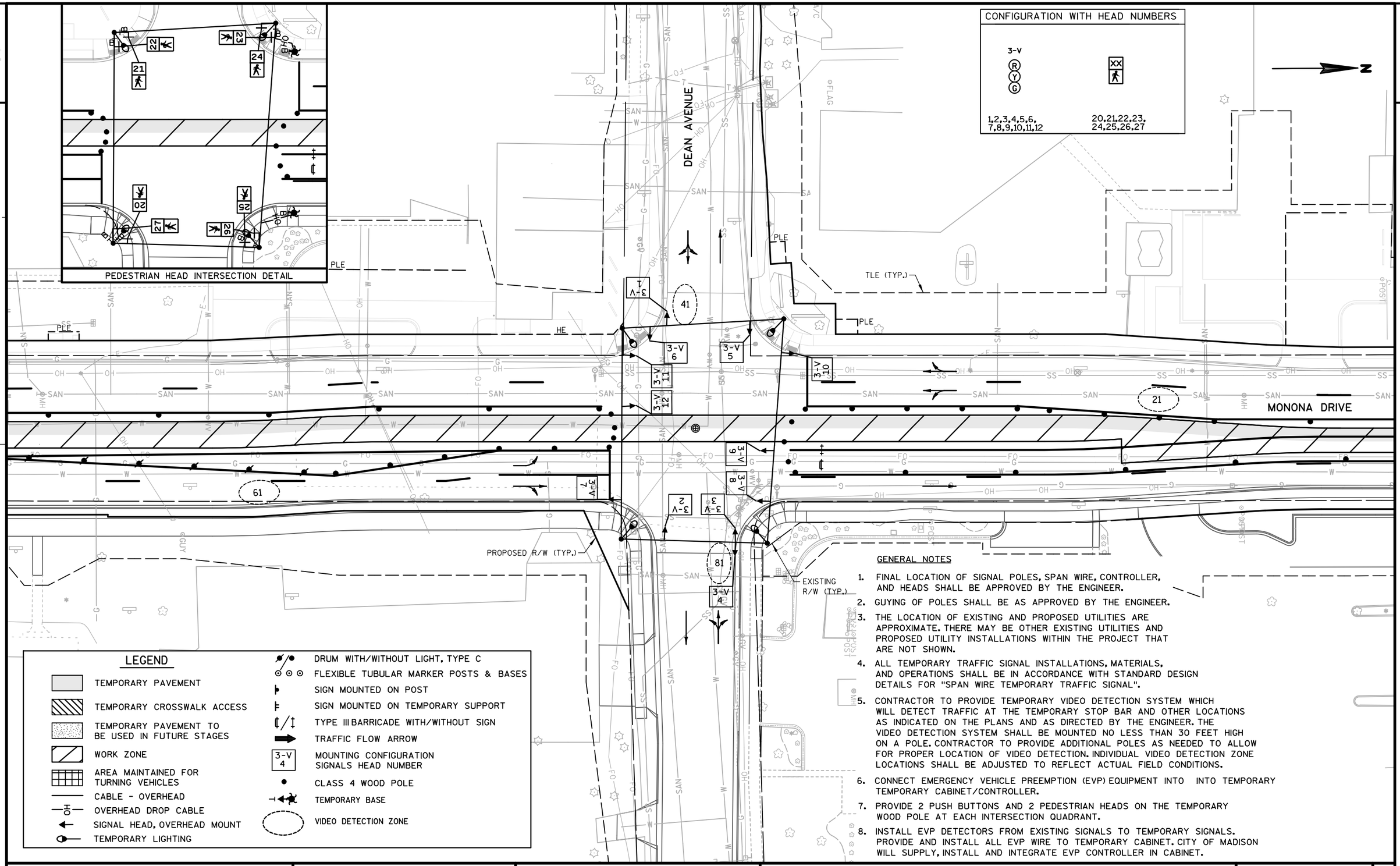
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4 PHASE II	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024017 sptemp.S4 phase II.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
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- AREA MAINTAINED FOR TURNING VEHICLES
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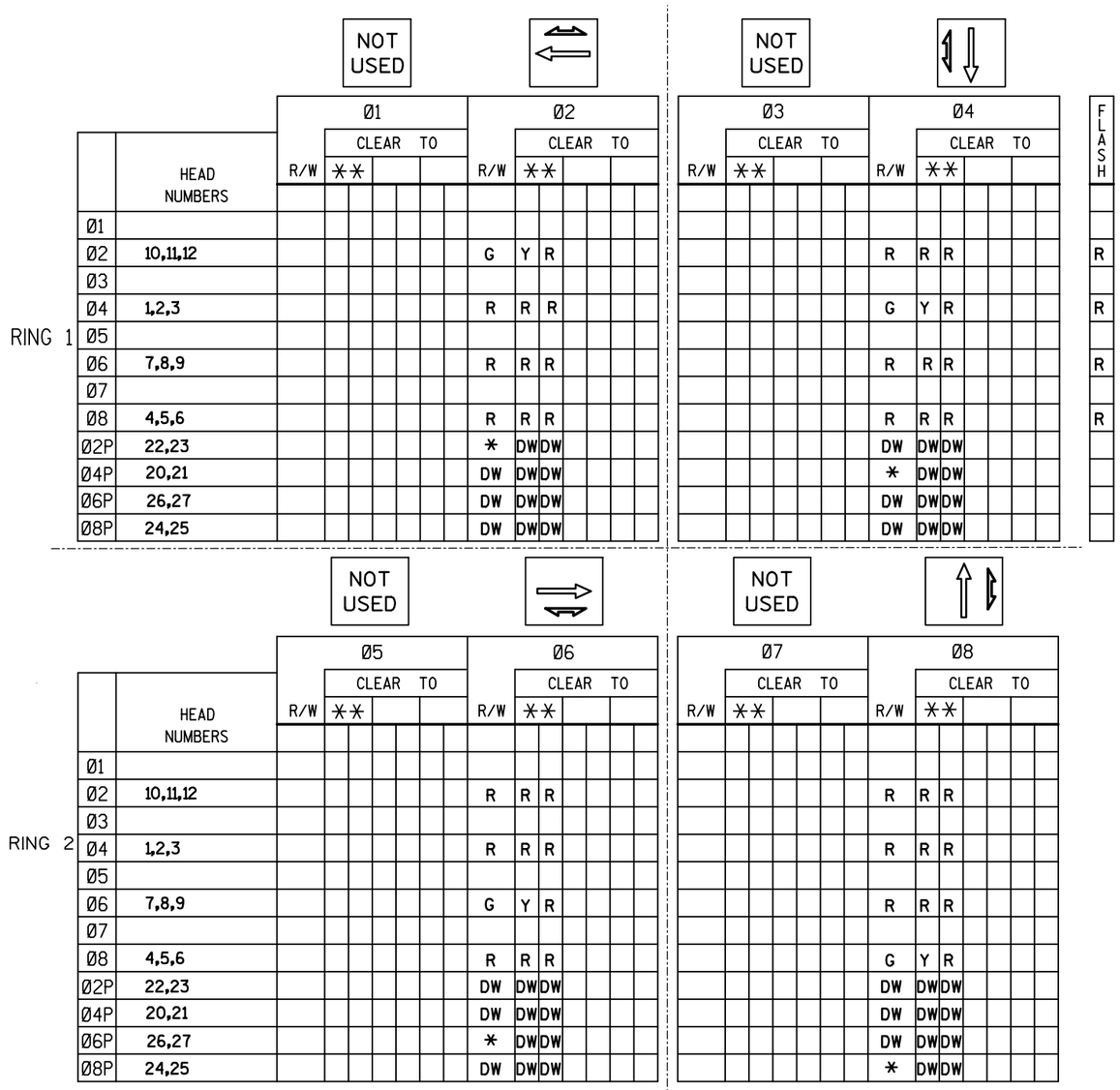
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024017 sptemp.S6.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION



** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
Ø1		
Ø2	6	4,8
Ø3		
Ø4	8	2,6
Ø5		
Ø6	2	4,8
Ø7		
Ø8	4	2,6

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				
4		8	MIN	X
5				
6		2	MIN	X
7				
8		4	MIN	X

OVERLAPS

O.L. "A" =
O.L. "B" =
O.L. "C" =
O.L. "D" =
NONE

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM *:	SS- -

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)

CTH BB (MONONA DRIVE) &
DEAN AVENUE
CITY OF MONONA
DANE COUNTY

SIGNAL NO.

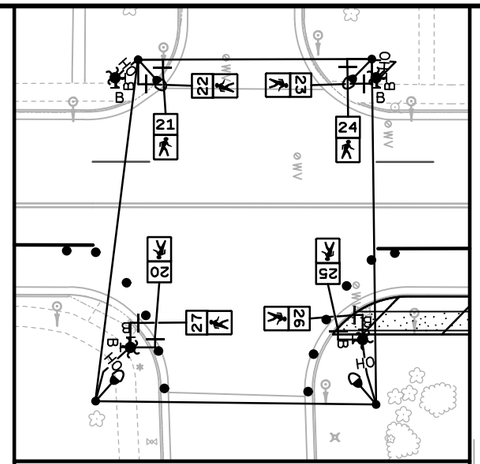
CONTROLLER TYPE:

DATE 7/12 PAGE NO. OF

PROJECT NO: 5994-00-72 | HWY: MONONA DRIVE | COUNTY: DANE | TEMPORARY SEQUENCE OF OPERATIONS - MONONA DR. & DEAN AVE. | SHEET NO: 175 | E

SUMMARY FOR INFORMATION ONLY	
WOOD POLES, CLASS 4	4 EA.
GUY WIRES	8 EA.
OH WIRE	325 LF
CONTROLLER/CABINET	1 EA.

CONFIGURATION WITH HEAD NUMBERS		
3-V (R Y G)	5-VL (R Y G Y+ 12)	XX
1,2,3,4,5,6,7, 8,9,10,11	12,13	20,21,22,23, 24,25,26,27



COLD SPRINGS AVENUE

MONONA DRIVE

EXISTING R/W (TYP.)

PROPOSED R/W (TYP.)

TLE (TYP.)

PLE

41 51 61 81 21

3-V 1 · 3-V 2 · 3-V 3 · 3-V 4 · 3-V 5 · 3-V 6 · 3-V 7 · 3-V 8 · 3-V 9 · 3-V 10 · 3-V 11 · 5-VL 12 · 5-VL 13

LEGEND

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- VIDEO DETECTION ZONE

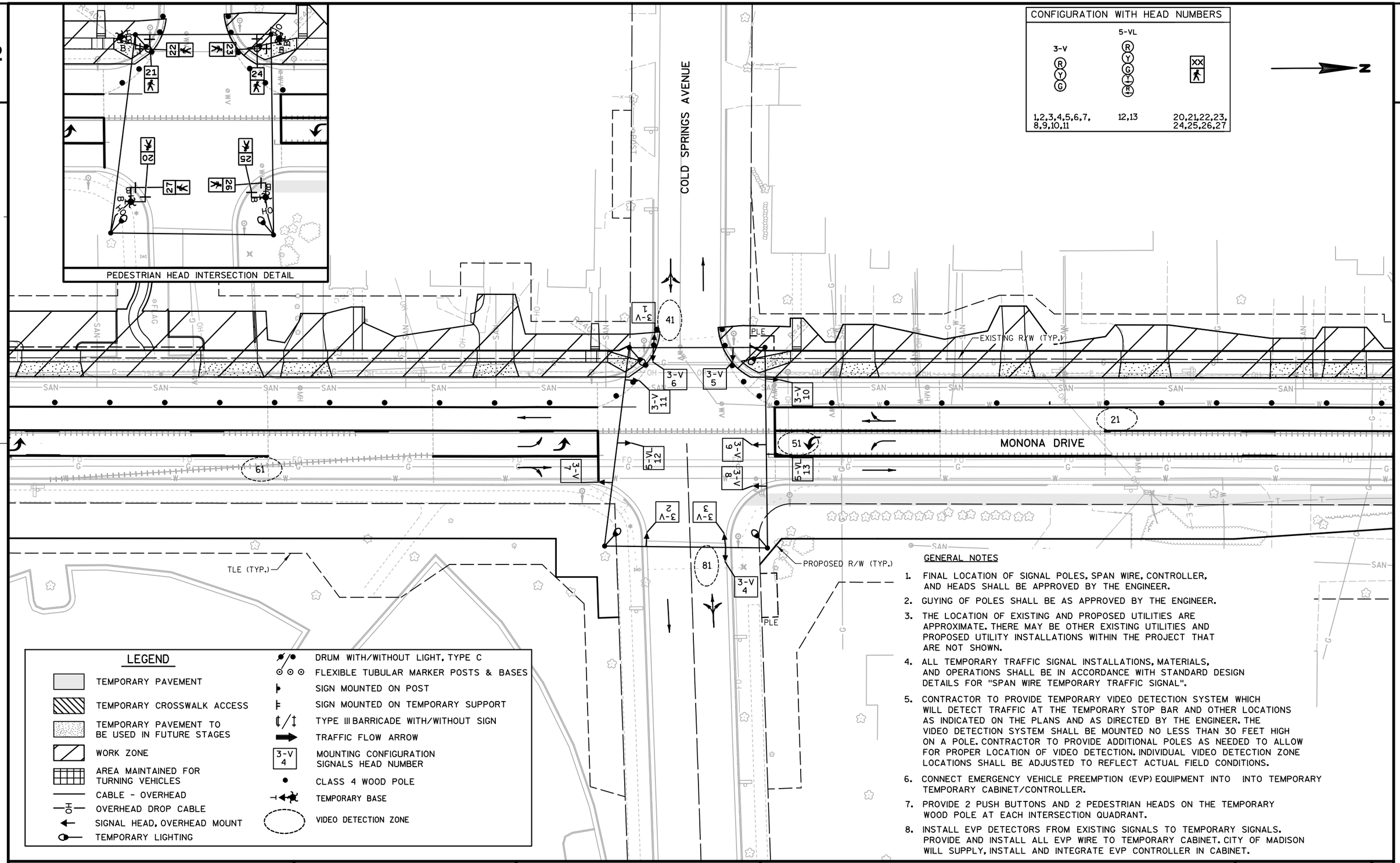
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 PHASE I	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024018_sptemp.S1 phase I.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONFIGURATION WITH HEAD NUMBERS		
3-V (R Y G)	5-VL (R Y G Y G)	XX
1,2,3,4,5,6,7, 8,9,10,11	12,13	20,21,22,23, 24,25,26,27



LEGEND

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- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
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- 3-V 4 — MOUNTING CONFIGURATION SIGNALS HEAD NUMBER
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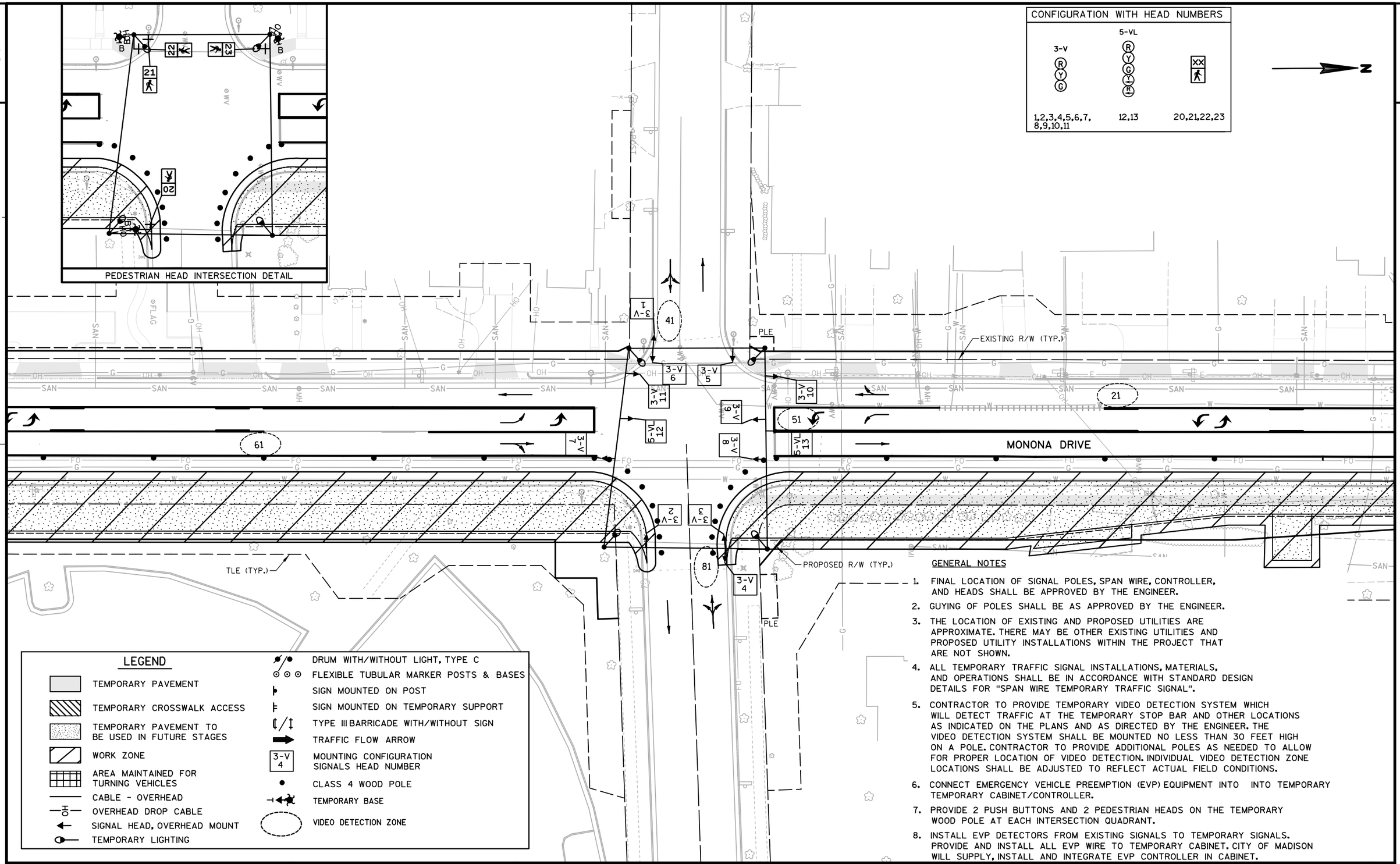
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 PHASE II	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024018_sptemp.S1 phase II.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CONFIGURATION WITH HEAD NUMBERS

3-V	5-VL	XX
R Y G	R Y G Y+G	
1,2,3,4,5,6,7, 8,9,10,11	12,13	20,21,22,23

N



LEGEND

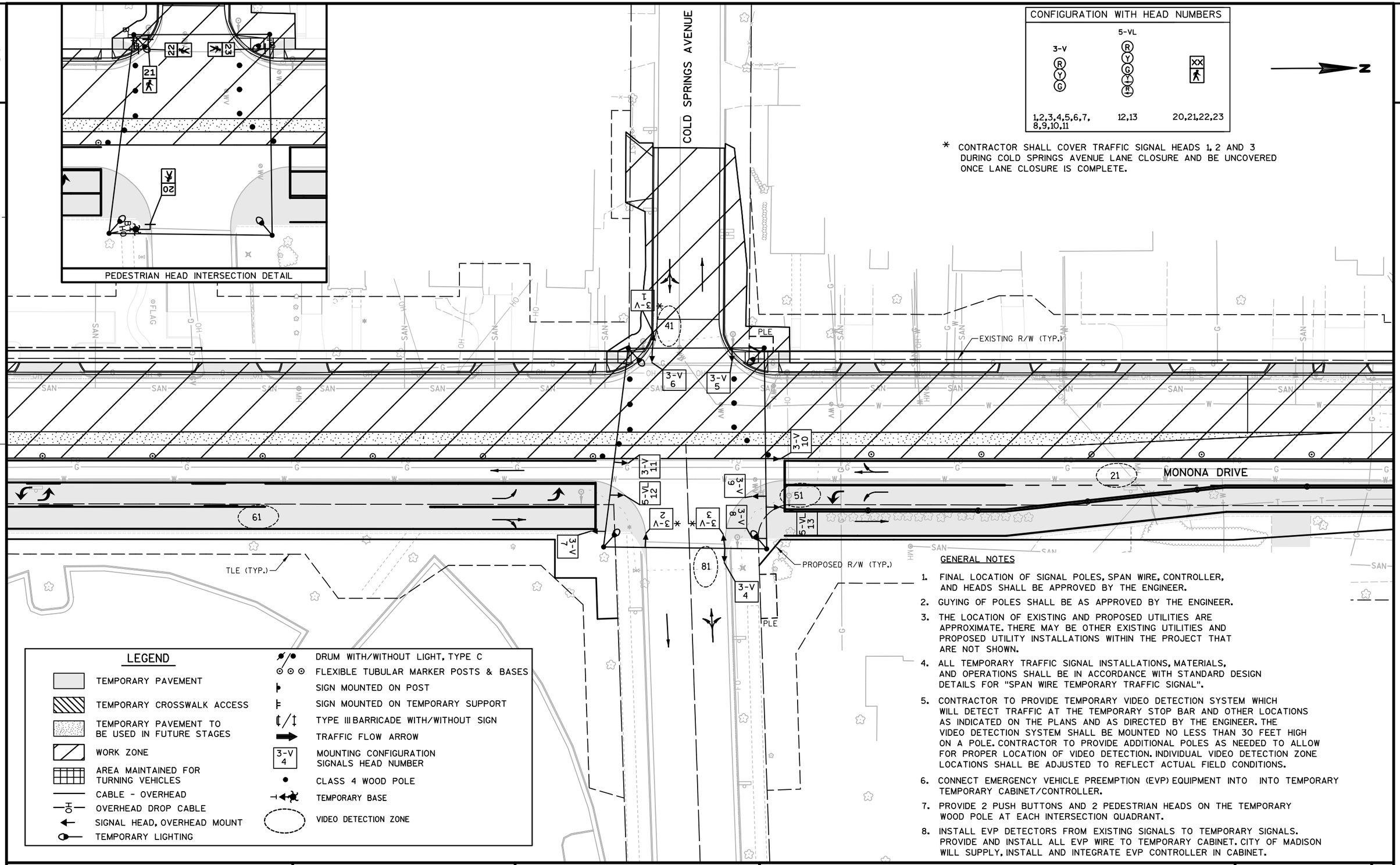
- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- CABLE - OVERHEAD
- OVERHEAD DROP CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY LIGHTING
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH/WITHOUT SIGN
- TRAFFIC FLOW ARROW
- 3-V 4 — MOUNTING CONFIGURATION SIGNALS HEAD NUMBER
- CLASS 4 WOOD POLE
- TEMPORARY BASE
- VIDEO DETECTION ZONE

GENERAL NOTES

1. FINAL LOCATION OF SIGNAL POLES, SPAN WIRE, CONTROLLER, AND HEADS SHALL BE APPROVED BY THE ENGINEER.
2. GUYING OF POLES SHALL BE AS APPROVED BY THE ENGINEER.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. ALL TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, MATERIALS, AND OPERATIONS SHALL BE IN ACCORDANCE WITH STANDARD DESIGN DETAILS FOR "SPAN WIRE TEMPORARY TRAFFIC SIGNAL".
5. CONTRACTOR TO PROVIDE TEMPORARY VIDEO DETECTION SYSTEM WHICH WILL DETECT TRAFFIC AT THE TEMPORARY STOP BAR AND OTHER LOCATIONS AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE VIDEO DETECTION SYSTEM SHALL BE MOUNTED NO LESS THAN 30 FEET HIGH ON A POLE. CONTRACTOR TO PROVIDE ADDITIONAL POLES AS NEEDED TO ALLOW FOR PROPER LOCATION OF VIDEO DETECTION. INDIVIDUAL VIDEO DETECTION ZONE LOCATIONS SHALL BE ADJUSTED TO REFLECT ACTUAL FIELD CONDITIONS.
6. CONNECT EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT INTO INTO TEMPORARY TEMPORARY CABINET/CONTROLLER.
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8. INSTALL EVP DETECTORS FROM EXISTING SIGNALS TO TEMPORARY SIGNALS. PROVIDE AND INSTALL ALL EVP WIRE TO TEMPORARY CABINET. CITY OF MADISON WILL SUPPLY, INSTALL AND INTEGRATE EVP CONTROLLER IN CABINET.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET	E

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CONFIGURATION WITH HEAD NUMBERS

3-V	5-VL	XX
R Y G	R Y G Y+A	
1,2,3,4,5,6,7, 8,9,10,11	12,13	20,21,22,23

N

* CONTRACTOR SHALL COVER TRAFFIC SIGNAL HEADS 1, 2 AND 3 DURING COLD SPRINGS AVENUE LANE CLOSURE AND BE UNCOVERED ONCE LANE CLOSURE IS COMPLETE.

LEGEND

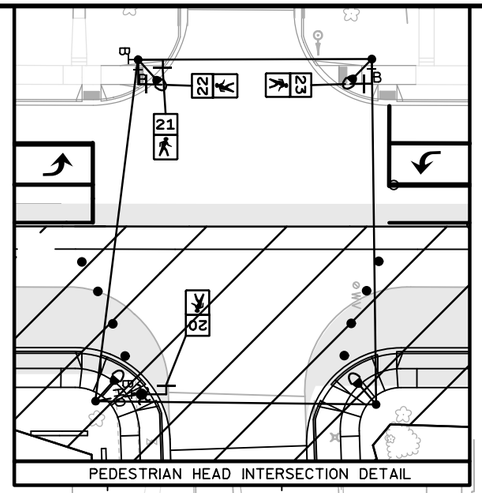
- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
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- OVERHEAD DROP CABLE
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- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH/WITHOUT SIGN
- TRAFFIC FLOW ARROW
- 3-V 4 — MOUNTING CONFIGURATION SIGNALS HEAD NUMBER
- CLASS 4 WOOD POLE
- TEMPORARY BASE
- VIDEO DETECTION ZONE

GENERAL NOTES

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET	E

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CONFIGURATION WITH HEAD NUMBERS

3-V	5-VL	
R Y G	R Y G Y (12)	XX
1,2,3,4,5,6,7, 8,9,10,11	12,13	20,21,22,23

* CONTRACTOR SHALL COVER TRAFFIC SIGNAL HEADS 4, 5 AND 6 DURING COLD SPRINGS AVENUE LANE CLOSURE AND BE UNCOVERED ONCE LANE CLOSURE IS COMPLETE.

COLD SPRINGS AVENUE

MONONA DRIVE

EXISTING R/W (TYP.)

PROPOSED R/W (TYP.)

TLE (TYP.)

PLE

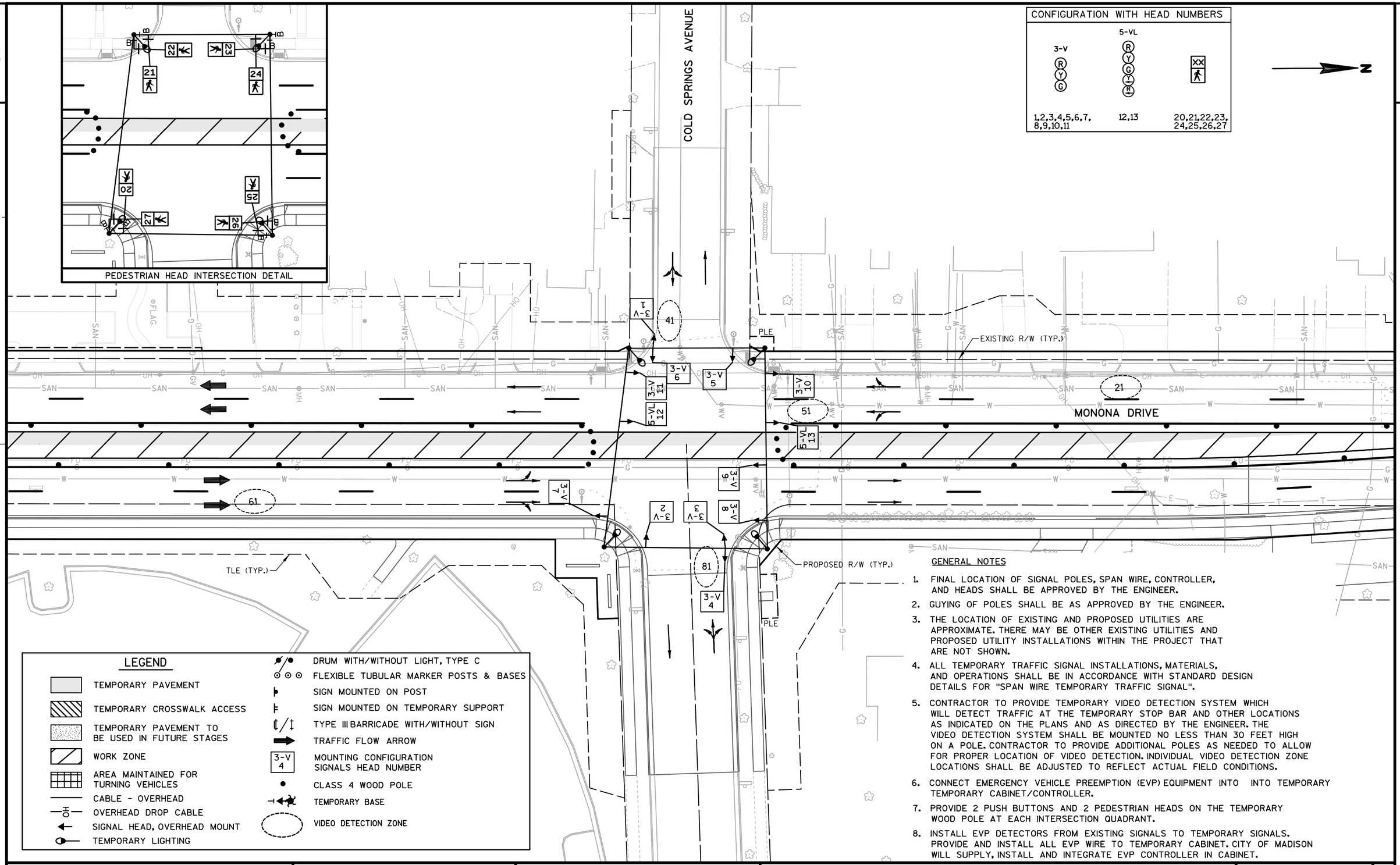
LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY CROSSWALK ACCESS
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- CABLE - OVERHEAD
- OVERHEAD DROP CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY LIGHTING
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH/WITHOUT SIGN
- TRAFFIC FLOW ARROW
- MOUNTING CONFIGURATION SIGNALS HEAD NUMBER (e.g. 3-V 4)
- CLASS 4 WOOD POLE
- TEMPORARY BASE
- VIDEO DETECTION ZONE

GENERAL NOTES

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8. INSTALL EVP DETECTORS FROM EXISTING SIGNALS TO TEMPORARY SIGNALS. PROVIDE AND INSTALL ALL EVP WIRE TO TEMPORARY CABINET. CITY OF MADISON WILL SUPPLY, INSTALL AND INTEGRATE EVP CONTROLLER IN CABINET.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 180 E



GENERAL NOTES

1. FINAL LOCATION OF SIGNAL POLES, SPAN WIRE, CONTROLLER, AND HEADS SHALL BE APPROVED BY THE ENGINEER.
2. GUYING OF POLES SHALL BE AS APPROVED BY THE ENGINEER.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 6	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024021_sptemp.S6.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION

N

RING		HEAD NUMBERS	Ø1 R/W	Ø1 CLEAR TO **	Ø2 R/W	Ø2 CLEAR TO **	Ø3 R/W	Ø3 CLEAR TO **	Ø4 R/W	Ø4 CLEAR TO **	FLASH
	Ø1										
	Ø2	10,11,12,13			G	Y R			R	R R	R
	Ø3										
	Ø4	1,2,3			R	R R			G	Y R	R
1	Ø5	12,13			-	- -			-	- -	
	Ø6	7,8,9			R	R R			R	R R	R
	Ø7										
	Ø8	4,5,6			R	R R			R	R R	R
	Ø2P	22,23			*	DW DW			DW	DW DW	
	Ø4P	20,21			DW	DW DW			*	DW DW	
	Ø6P	26,27			DW	DW DW			DW	DW DW	
	Ø8P	24,25			DW	DW DW			DW	DW DW	

RING		HEAD NUMBERS	Ø5 R/W	Ø5 CLEAR TO **	Ø6 R/W	Ø6 CLEAR TO **	Ø7 R/W	Ø7 CLEAR TO **	Ø8 R/W	Ø8 CLEAR TO **
	Ø1									
	Ø2	10,11,12,13	R	R R	R	R R			R	R R
	Ø3									
	Ø4	1,2,3	R	R R	R	R R			R	R R
2	Ø5	12,13	G	Y -	-	- -			-	- -
	Ø6	7,8,9	R	R R	G	Y R			R	R R
	Ø7									
	Ø8	4,5,6	R	R R	R	R R			G	Y R
	Ø2P	22,23	DW	DW DW	DW	DW DW			DW	DW DW
	Ø4P	20,21	DW	DW DW	DW	DW DW			DW	DW DW
	Ø6P	26,27	DW	DW DW	*	DW DW			DW	DW DW
	Ø8P	24,25	DW	DW DW	DW	DW DW			*	DW DW

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

BARRIER

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
Ø1		
Ø2	5 or 6	4,8
Ø3		
Ø4	8	2,5,6
Ø5	2	4,6,8
Ø6	2	4,5,8
Ø7		
Ø8	4	2,5,6

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				
4		8	MIN	X
5		2		
6		2	MIN	X
7				
8		4	MIN	X

OVERLAPS

O.L. "A" =
O.L. "B" =
O.L. "C" =
O.L. "D" =
NONE

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM *: SS- -	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
3. PEDESTRIAN PHASES 6 AND 8 SHALL BE TURNED OFF AND EQUIPMENT COVERED DURING STAGE 2 AND 3.
4. PHASE 5 SHALL BE TURNED OFF DURING STAGE 6.

CTH BB (MONONA DRIVE) &
COLD SPRINGS AVENUE
CITY OF MONONA
DANE COUNTY

SIGNAL NO.

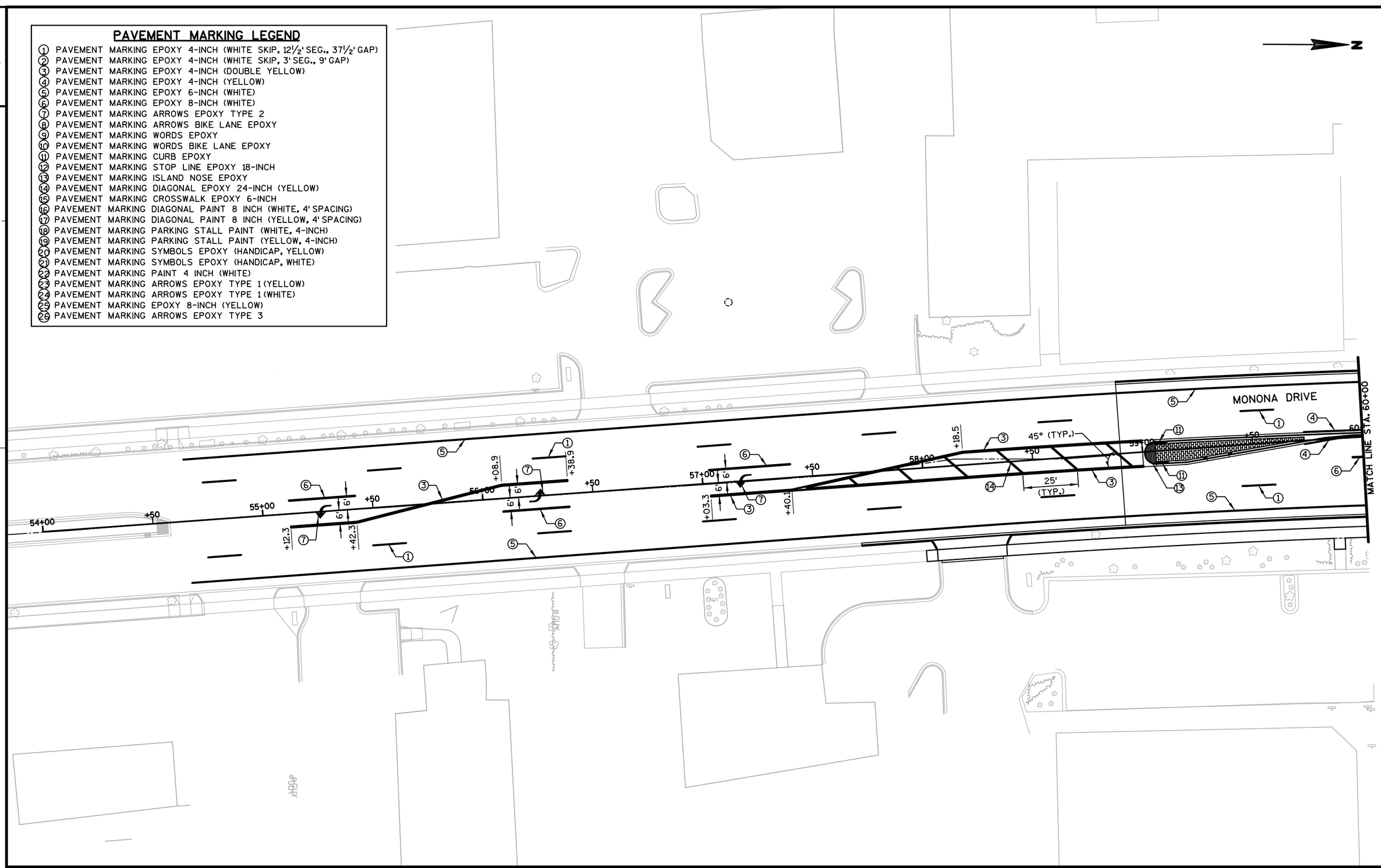
CONTROLLER TYPE:

DATE 7/12 PAGE NO. OF

PROJECT NO: 5994-00-72 | HWY: MONONA DRIVE | COUNTY: DANE | TEMPORARY SEQUENCE OF OPERATIONS - MONONA DR. & COLDSPRINGS | SHEET NO: 182 | E

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
3. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
4. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING WORDS EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING CURB EPOXY
12. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (YELLOW)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
16. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (WHITE, 4' SPACING)
17. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (YELLOW, 4' SPACING)
18. PAVEMENT MARKING PARKING STALL PAINT (WHITE, 4-INCH)
19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

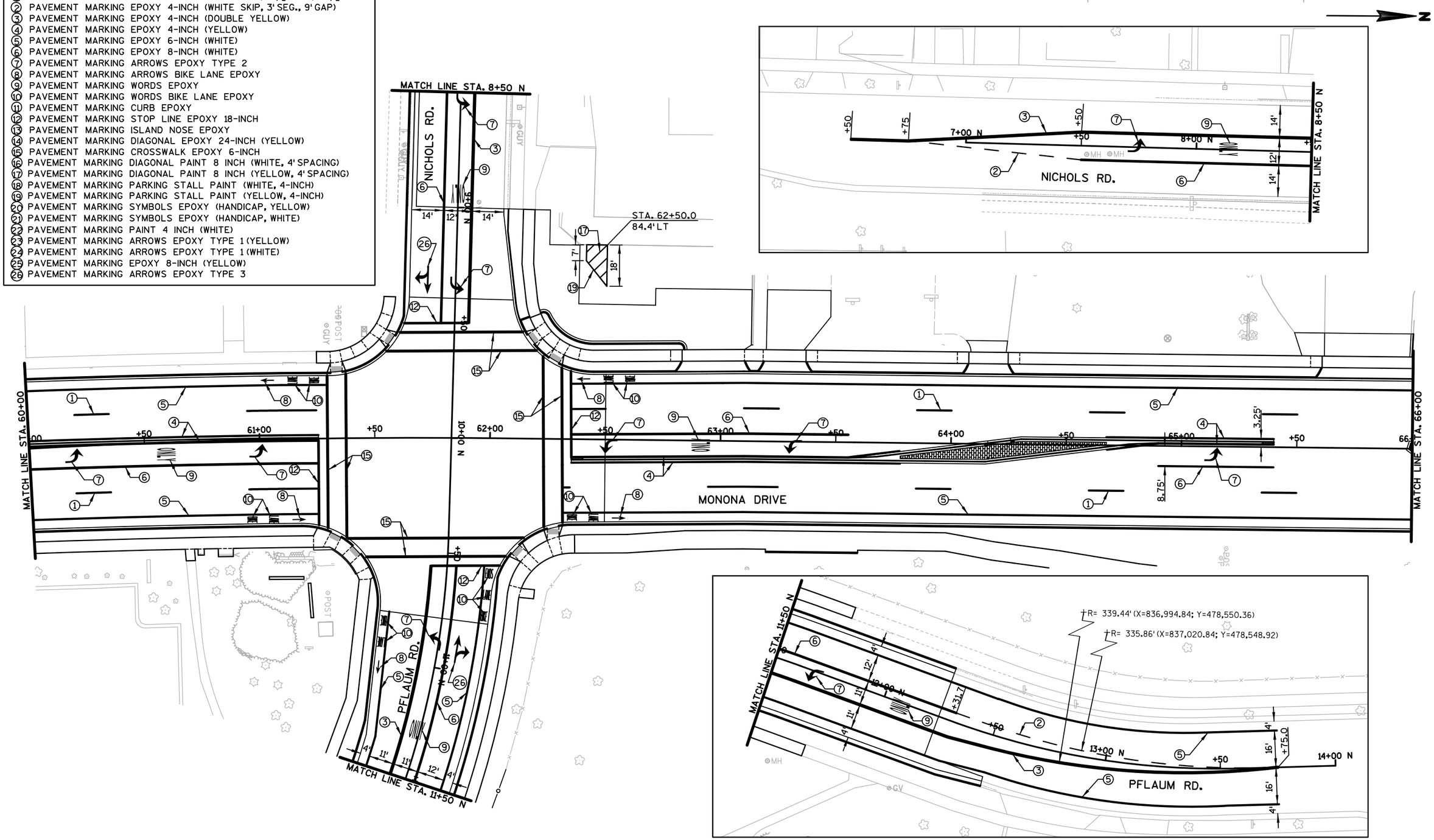


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

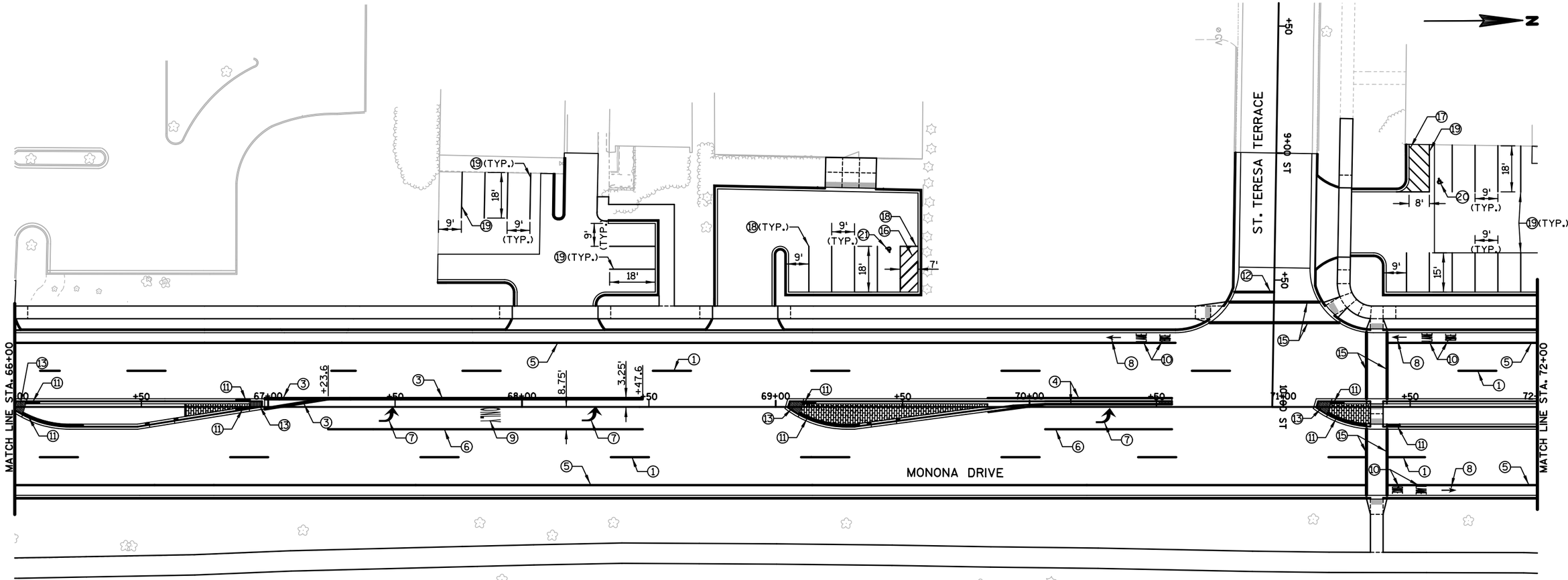
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WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
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5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING WORDS EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING CURB EPOXY
12. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (YELLOW)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
16. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (WHITE, 4' SPACING)
17. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (YELLOW, 4' SPACING)
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19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
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24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3



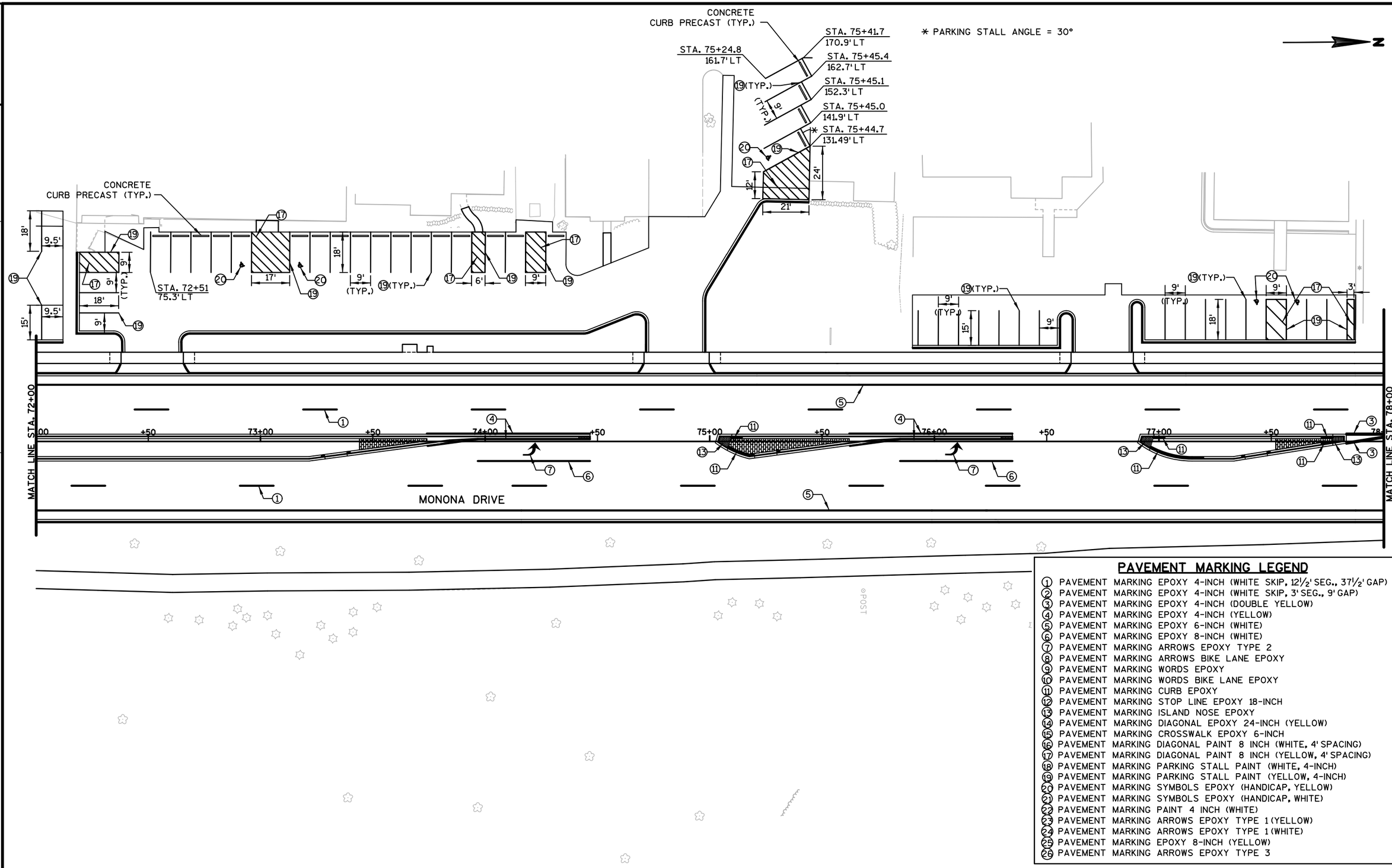
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 184	E



PAVEMENT MARKING LEGEND

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8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
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10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
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24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

2

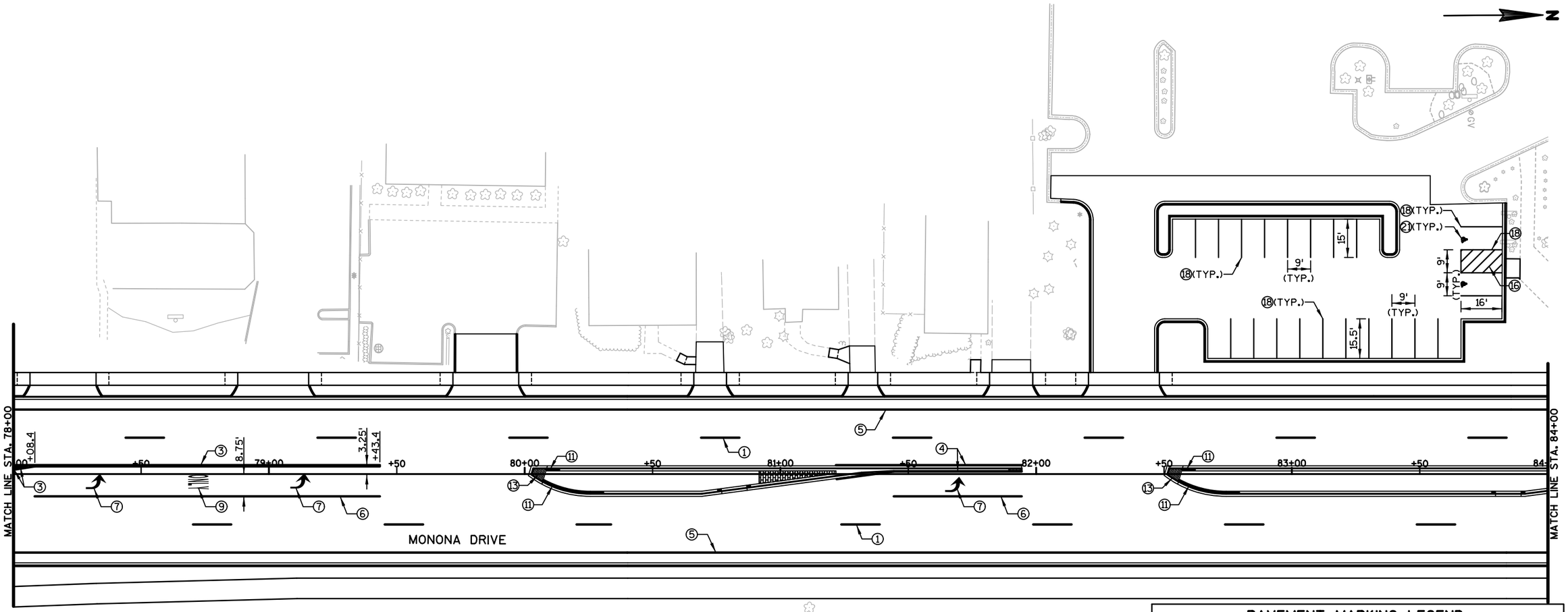


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19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 186	E

2

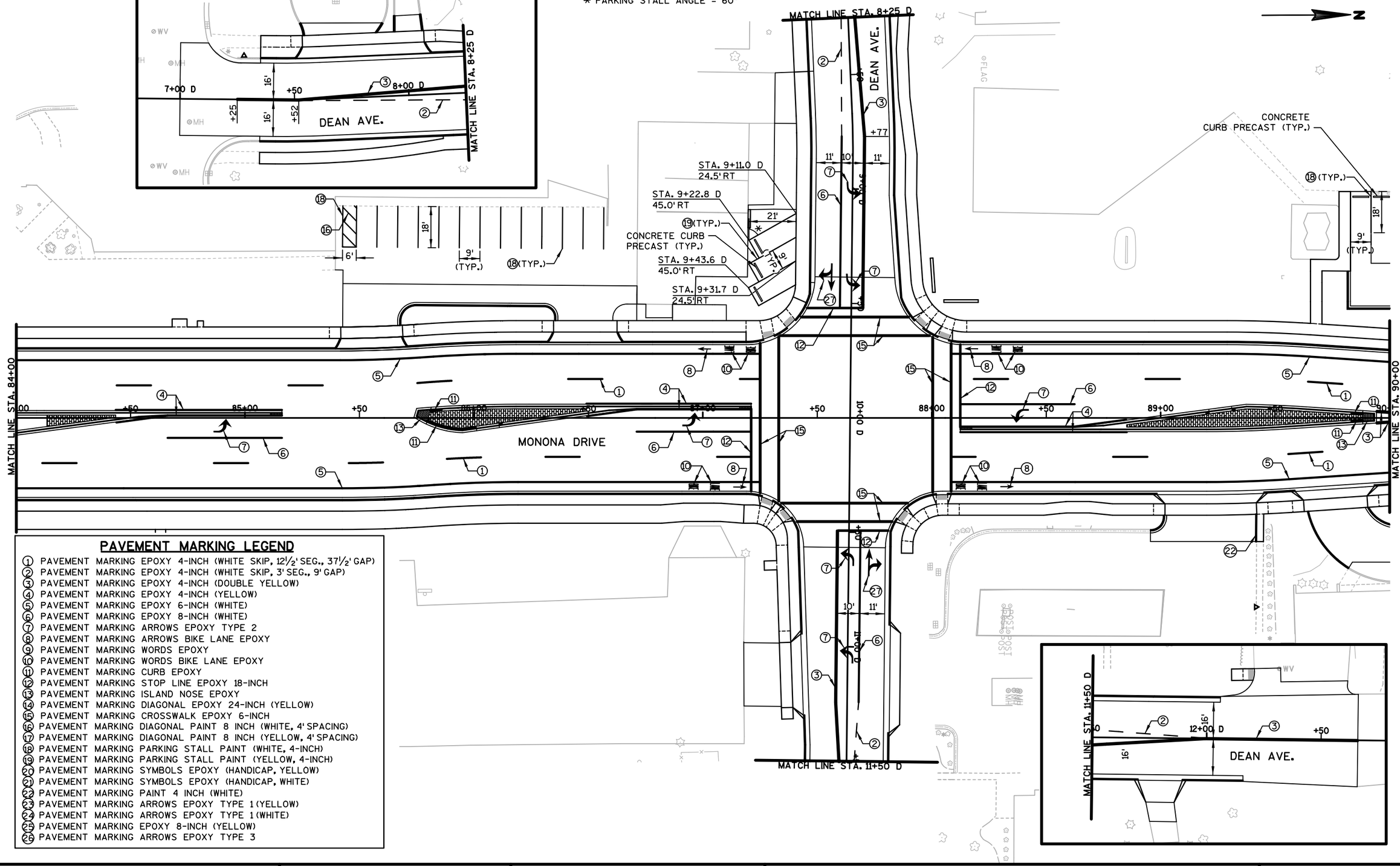


PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
3. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
4. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING WORDS EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING CURB EPOXY
12. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (YELLOW)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
16. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (WHITE, 4' SPACING)
17. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (YELLOW, 4' SPACING)
18. PAVEMENT MARKING PARKING STALL PAINT (WHITE, 4-INCH)
19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

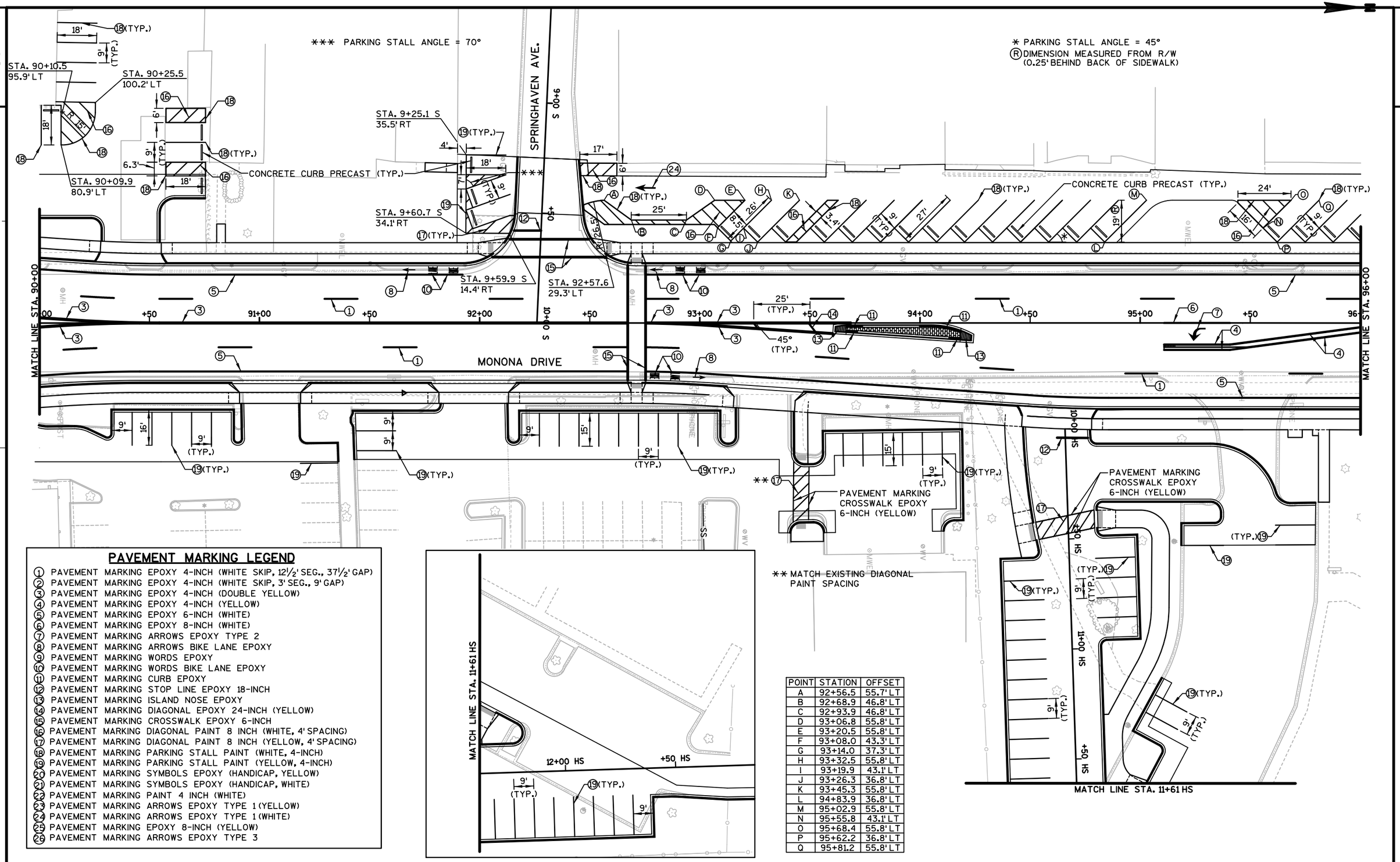
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* PARKING STALL ANGLE = 60°



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
3. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
4. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING WORDS EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING CURB EPOXY
12. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (YELLOW)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
16. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (WHITE, 4' SPACING)
17. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (YELLOW, 4' SPACING)
18. PAVEMENT MARKING PARKING STALL PAINT (WHITE, 4-INCH)
19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3



PAVEMENT MARKING LEGEND

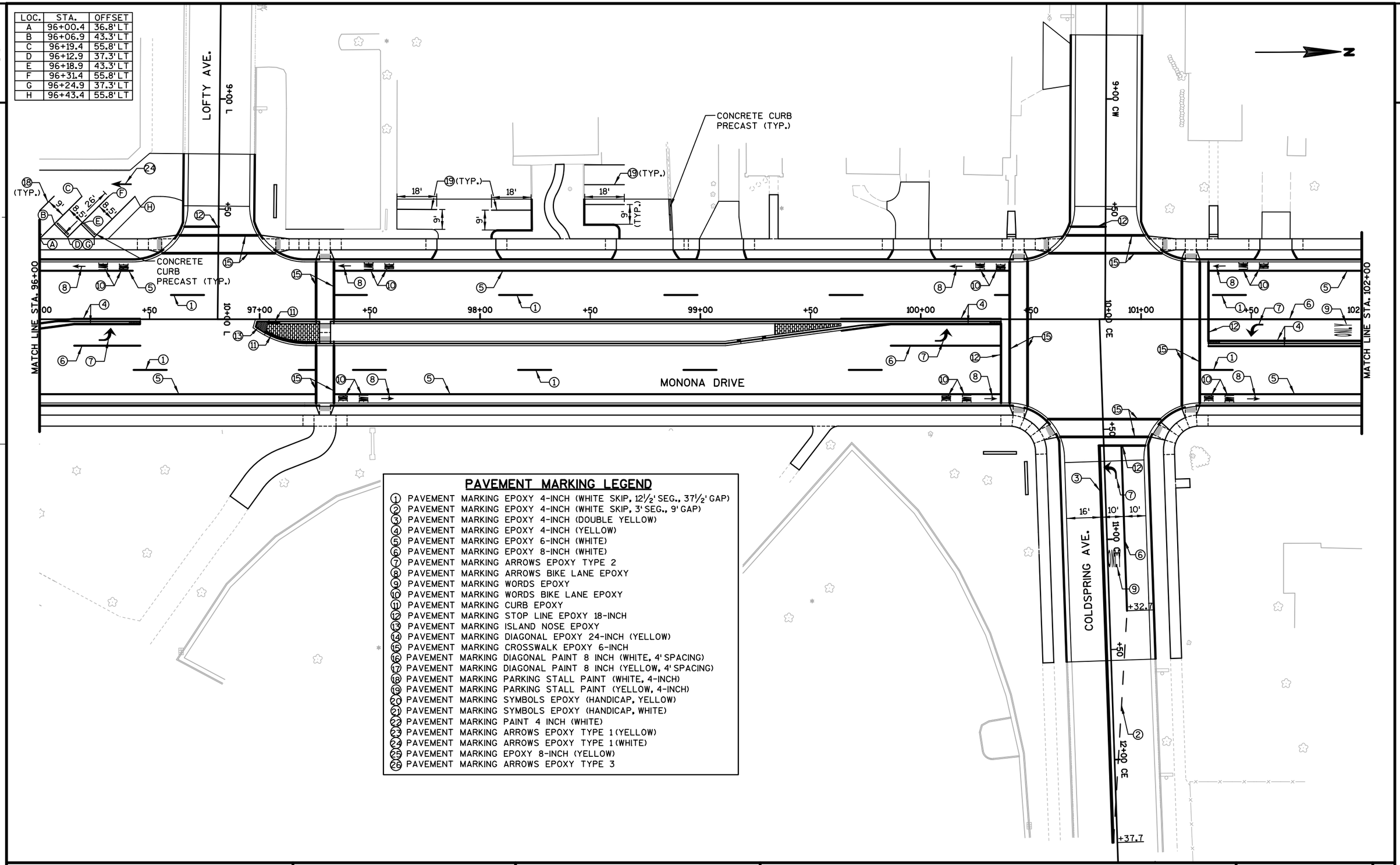
1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
3. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
4. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING WORDS EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING CURB EPOXY
12. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (YELLOW)
15. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
16. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (WHITE, 4' SPACING)
17. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (YELLOW, 4' SPACING)
18. PAVEMENT MARKING PARKING STALL PAINT (WHITE, 4-INCH)
19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

POINT	STATION	OFFSET
A	92+56.5	55.7' LT
B	92+68.9	46.8' LT
C	92+93.9	46.8' LT
D	93+06.8	55.8' LT
E	93+20.5	55.8' LT
F	93+08.0	43.3' LT
G	93+14.0	37.3' LT
H	93+32.5	55.8' LT
I	93+19.9	43.1' LT
J	93+26.3	36.8' LT
K	93+45.3	55.8' LT
L	94+83.9	36.8' LT
M	95+02.9	55.8' LT
N	95+55.8	43.1' LT
O	95+68.4	55.8' LT
P	95+62.2	36.8' LT
Q	95+81.2	55.8' LT

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\024507_pm.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LOC.	STA.	OFFSET
A	96+00.4	36.8' LT
B	96+06.9	43.3' LT
C	96+19.4	55.8' LT
D	96+12.9	37.3' LT
E	96+18.9	43.3' LT
F	96+31.4	55.8' LT
G	96+24.9	37.3' LT
H	96+43.4	55.8' LT



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
3. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
4. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING WORDS EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING CURB EPOXY
12. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (YELLOW)
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16. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (WHITE, 4' SPACING)
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19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
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21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 190	E

2

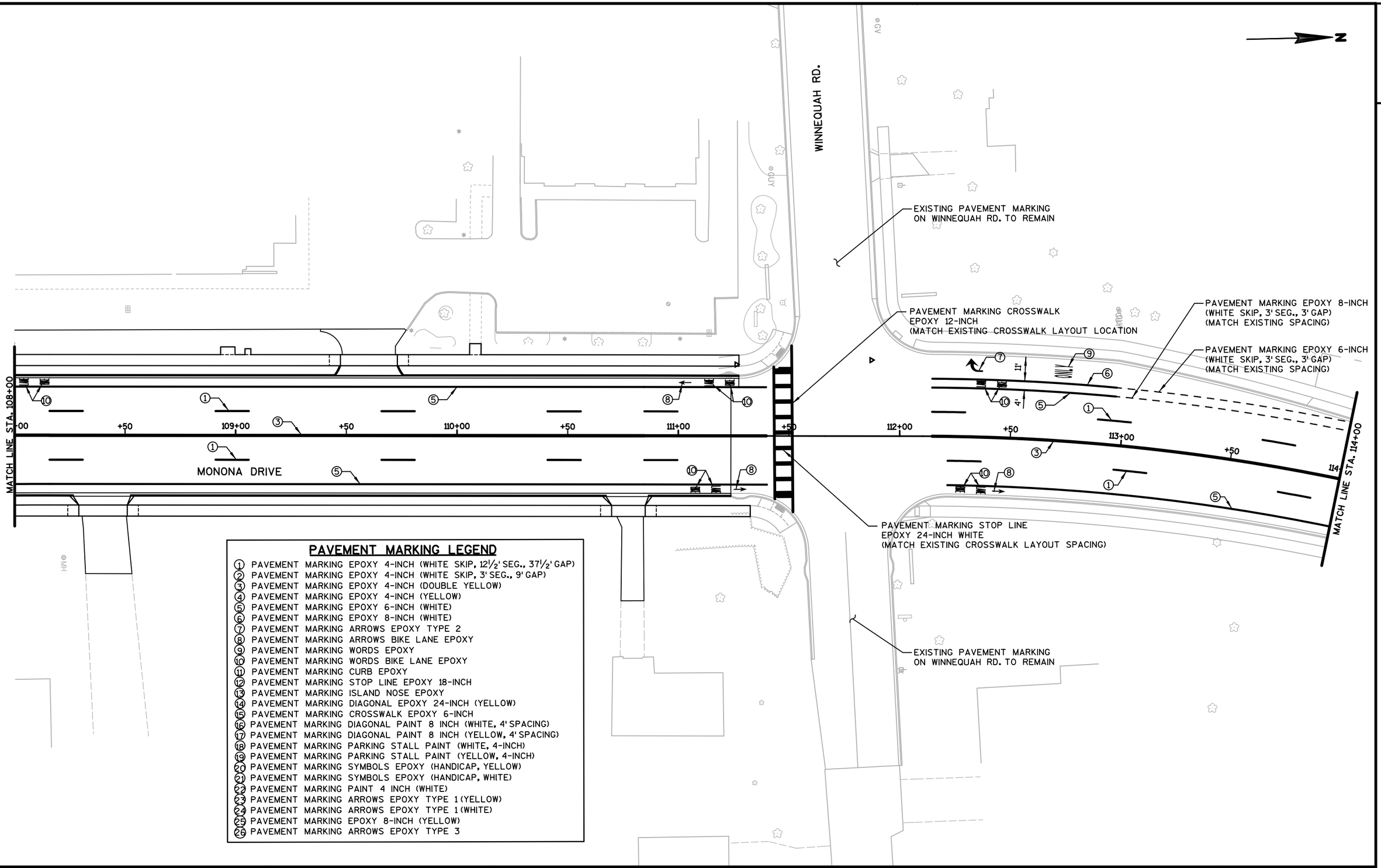


PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
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5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
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11. PAVEMENT MARKING CURB EPOXY
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18. PAVEMENT MARKING PARKING STALL PAINT (WHITE, 4-INCH)
19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1(YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1(WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 191	E

2



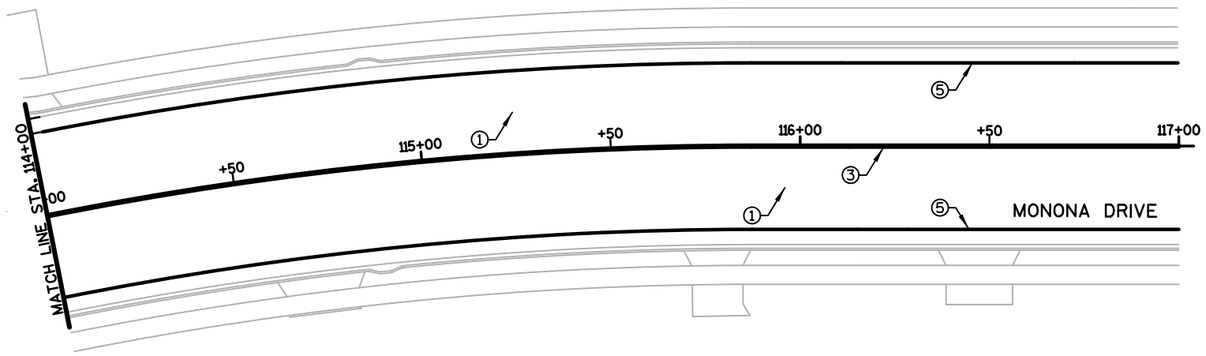
PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
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26. PAVEMENT MARKING ARROWS EPOXY TYPE 3

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

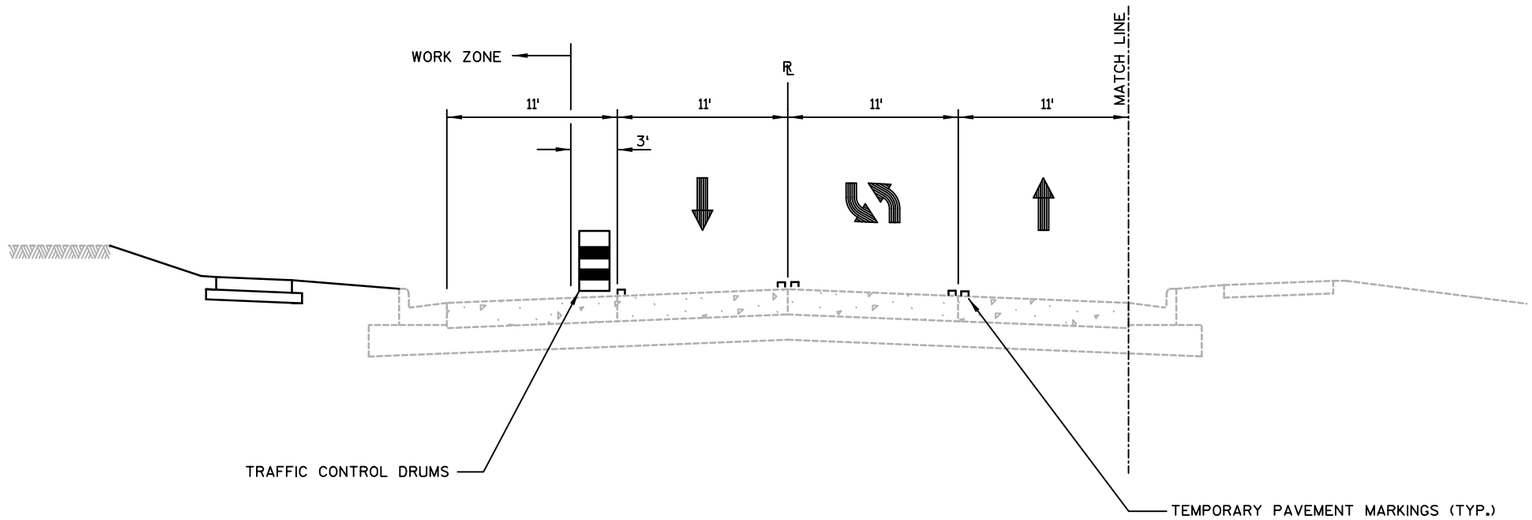
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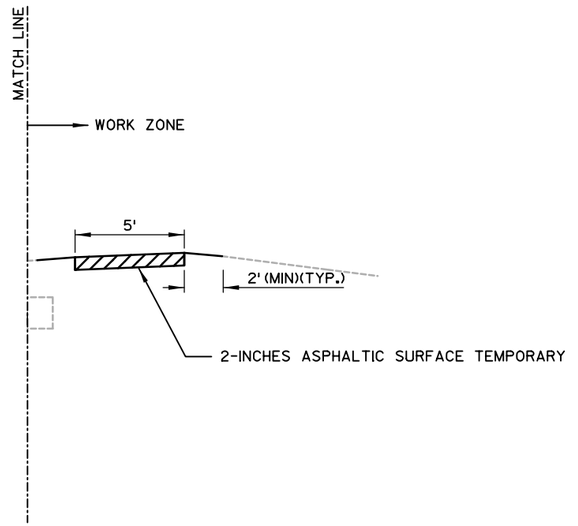


PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 12½' SEG., 37½' GAP)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIP, 3' SEG., 9' GAP)
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4. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
5. PAVEMENT MARKING EPOXY 6-INCH (WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
7. PAVEMENT MARKING ARROWS EPOXY TYPE 2
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING WORDS EPOXY
10. PAVEMENT MARKING WORDS BIKE LANE EPOXY
11. PAVEMENT MARKING CURB EPOXY
12. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
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16. PAVEMENT MARKING DIAGONAL PAINT 8 INCH (WHITE, 4' SPACING)
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18. PAVEMENT MARKING PARKING STALL PAINT (WHITE, 4-INCH)
19. PAVEMENT MARKING PARKING STALL PAINT (YELLOW, 4-INCH)
20. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, YELLOW)
21. PAVEMENT MARKING SYMBOLS EPOXY (HANDICAP, WHITE)
22. PAVEMENT MARKING PAINT 4 INCH (WHITE)
23. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (YELLOW)
24. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
25. PAVEMENT MARKING EPOXY 8-INCH (YELLOW)
26. PAVEMENT MARKING ARROWS EPOXY TYPE 3



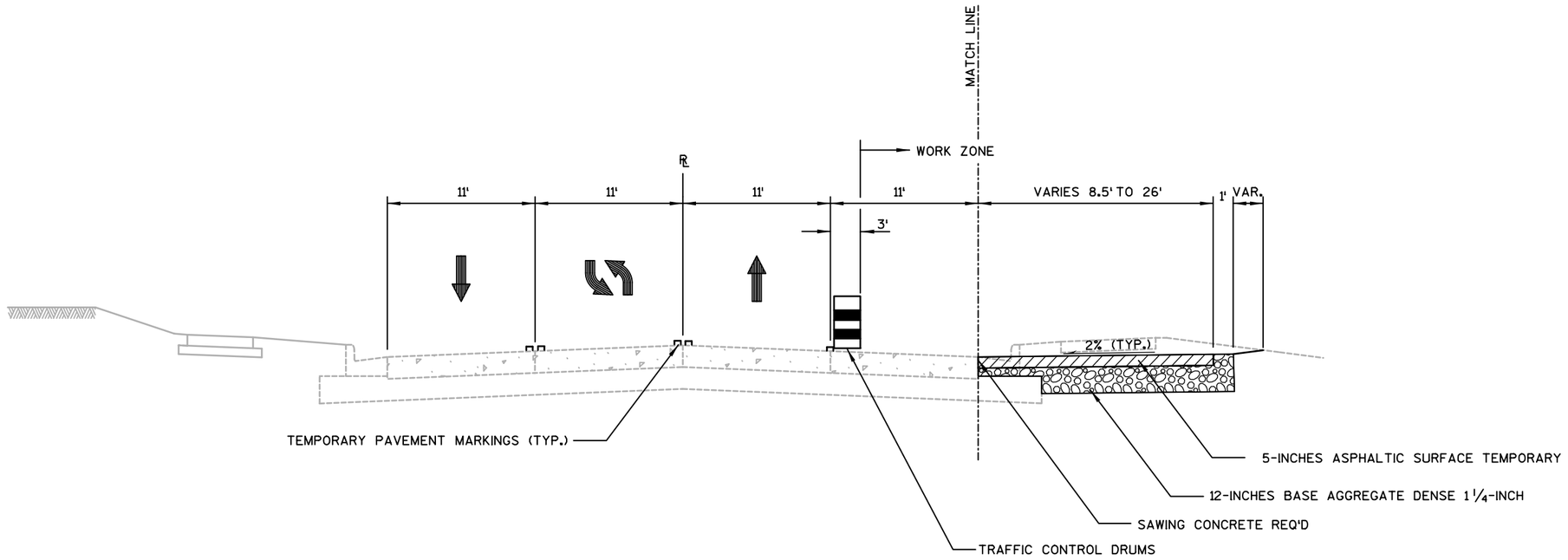
CONSTRUCTION STAGE 1 PHASE 2 TYPICAL SECTION
MONONA DRIVE
STA. 58+90 TO STA. 111+24



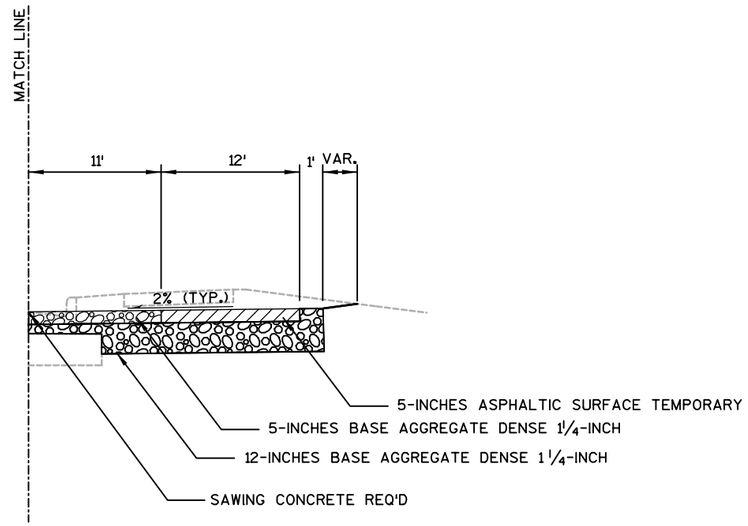
STAGE 1 PHASE 1
STA. 101+09 TO 111+24

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1	SHEET 194	E

2

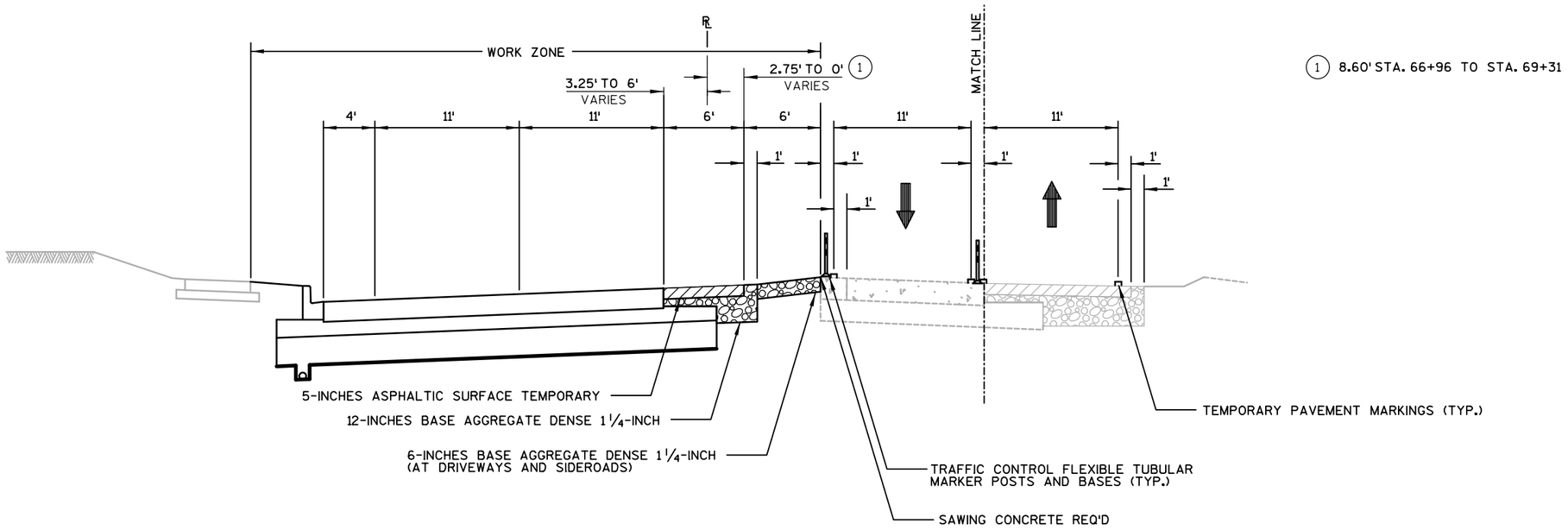


CONSTRUCTION STAGE 2 TYPICAL SECTION
MONONA DRIVE
STA. 58+90 TO STA. 111+24

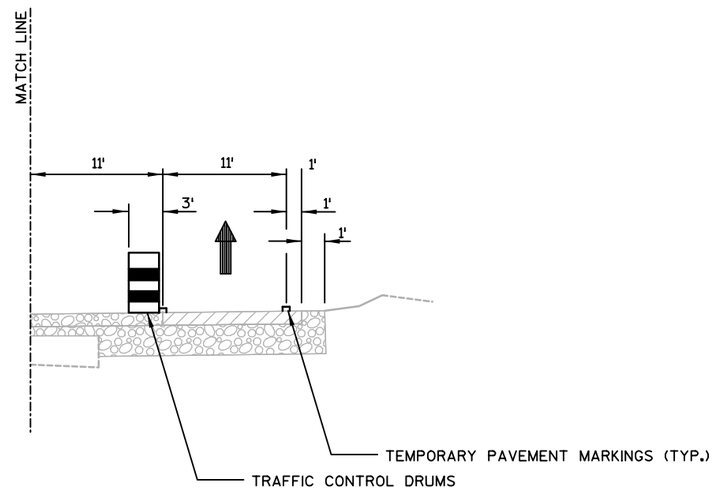


STA. 79+18 TO STA. 82+62
STA. 83+67 TO STA. 86+48

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2	SHEET 195	E

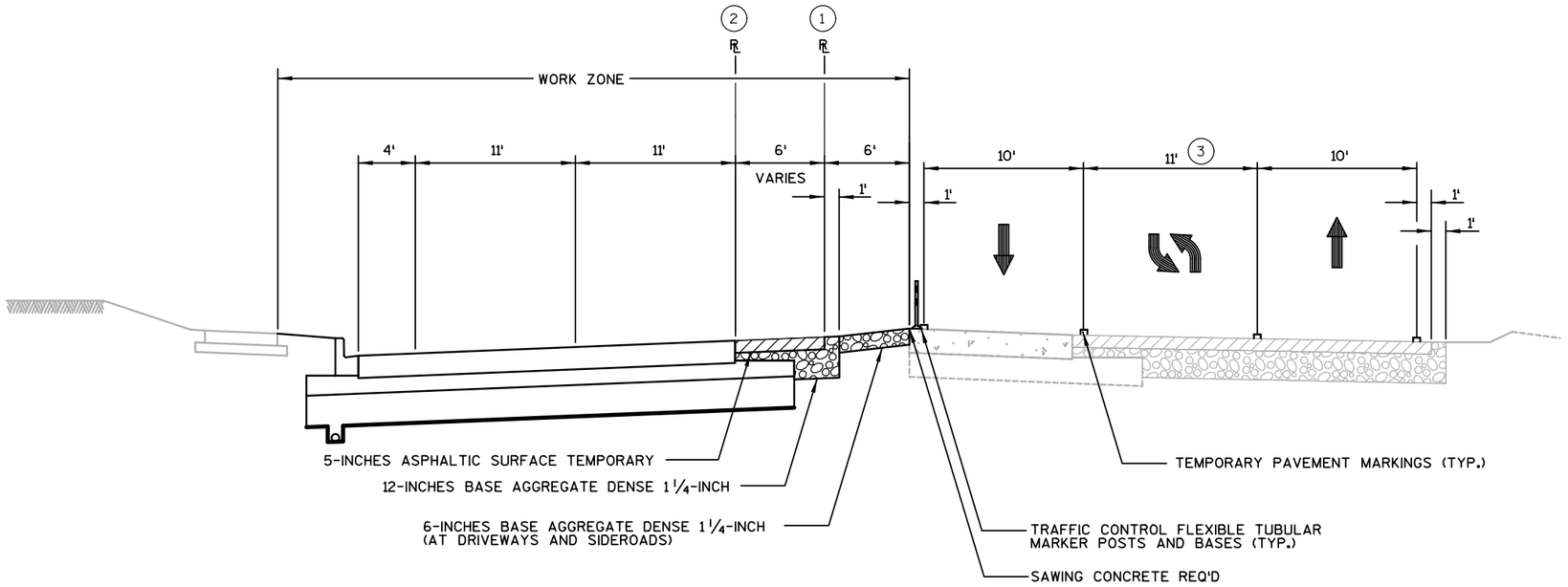


CONSTRUCTION STAGE 3 TYPICAL SECTION
MONONA DRIVE
STA. 58+90 TO STA. 87+72



STA. 79+18 TO STA. 82+62
STA. 83+67 TO STA. 86+48

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET 196	E

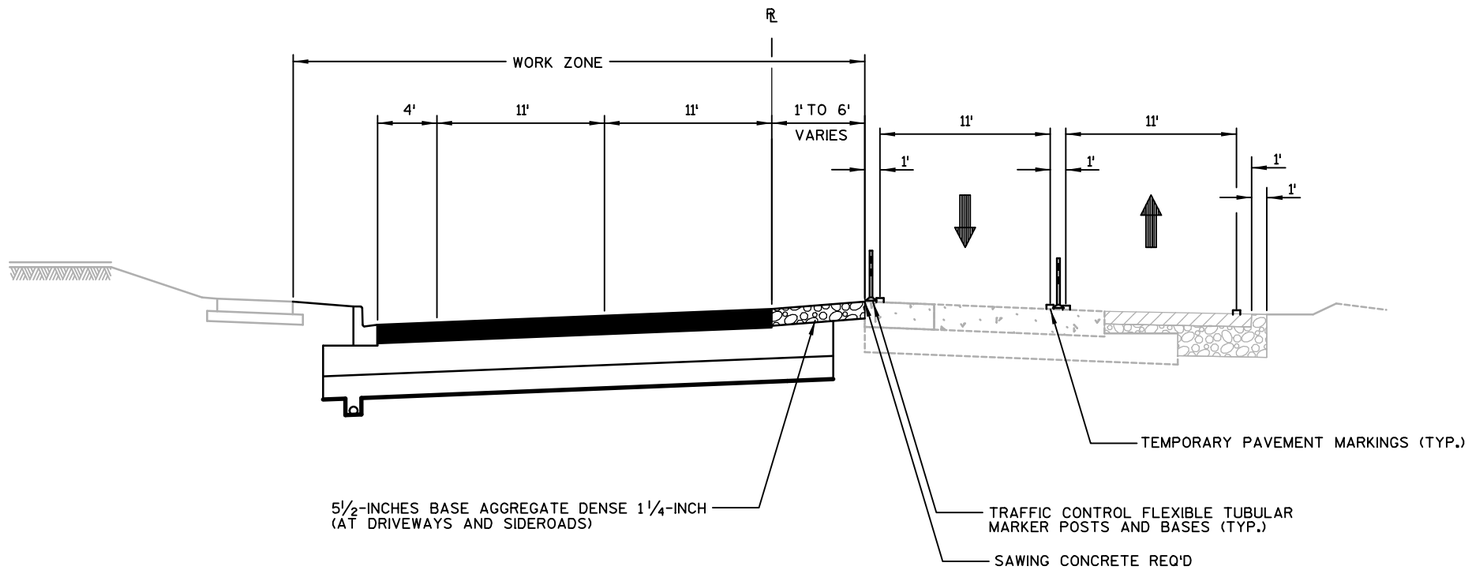


CONSTRUCTION STAGE 3 TYPICAL SECTION
MONONA DRIVE
STA. 87+72 TO STA. 103+32

(1) STA. 87+72 TO STA. 90+54

(2) STA. 90+54 TO STA. 103+32

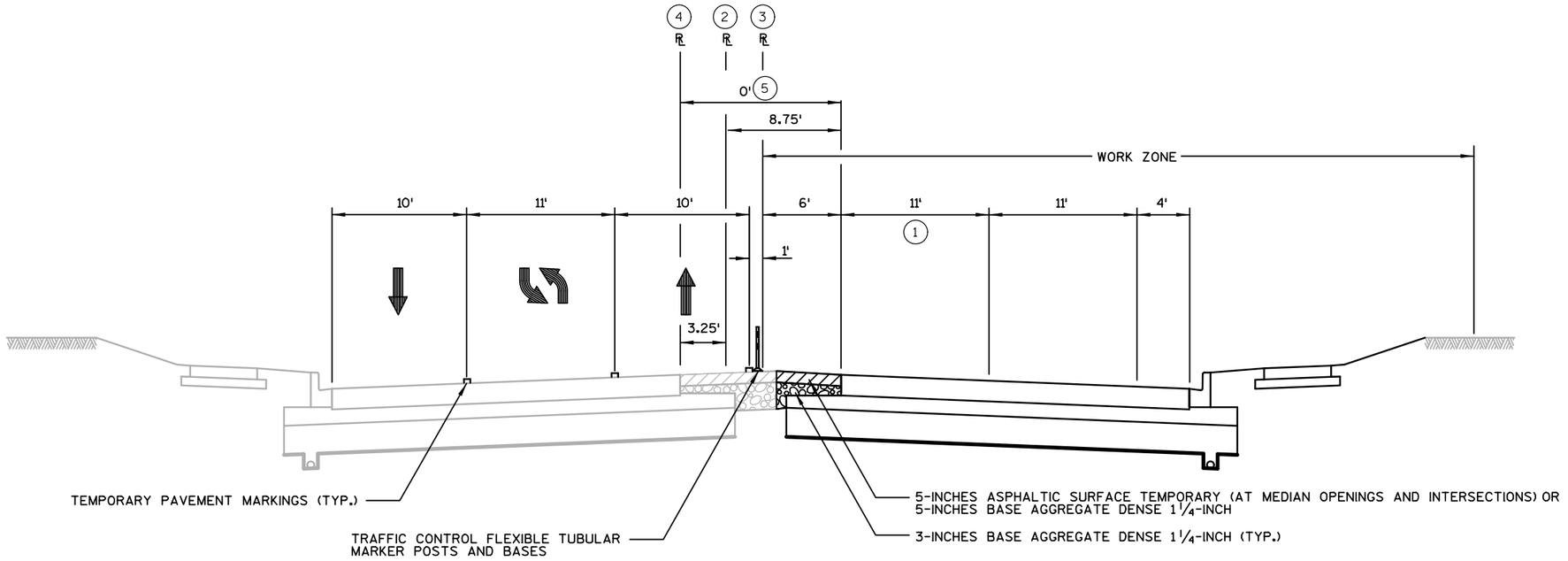
(3) STA. 100+81 TO 103+32
SOUTHBOUND LEFT-TURN ONLY



CONSTRUCTION STAGE 3 TYPICAL SECTION
MONONA DRIVE
STA. 103+32 TO STA. 111+24

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026001_d.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 4 TYPICAL SECTION
MONONA DRIVE

STA. 58+90 TO STA. 103+32

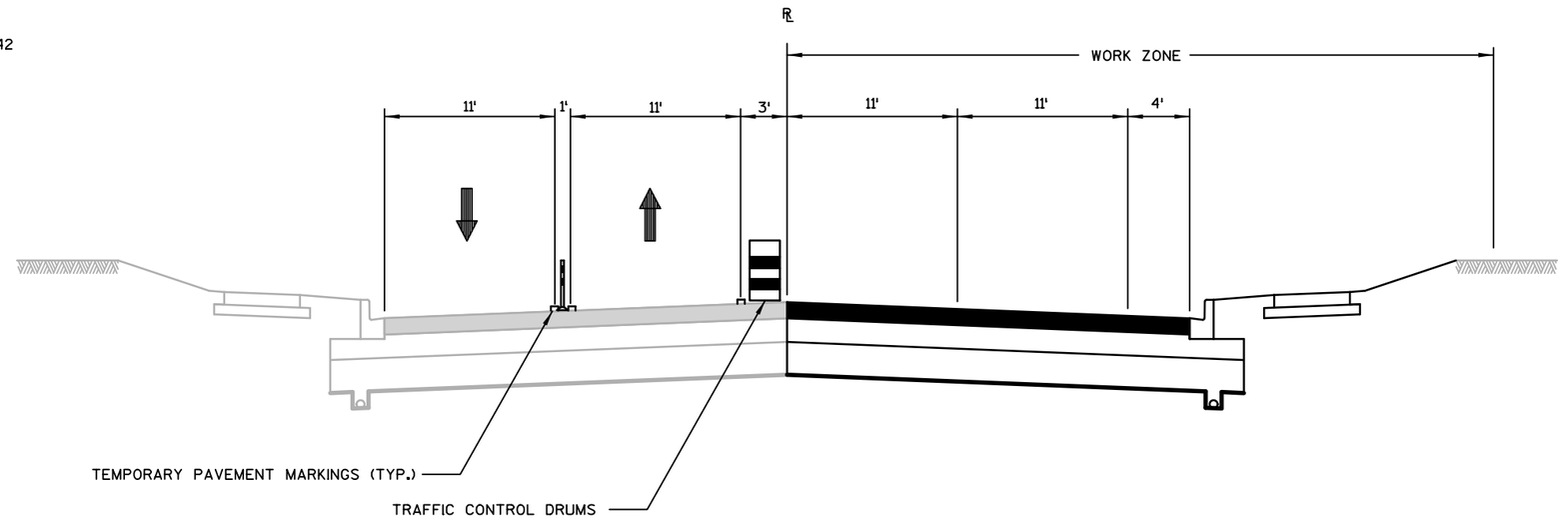
(1) CONSTRUCT 11-FOOT LANE DURING STAGE 5. STA. 89+55 TO STA. 94+00

(2) BEGIN CONSTRUCTION TO STA. 85+42

(3) STA. 85+42 TO STA. 90+54

(4) STA. 90+54 TO STA. 103+32

(5) 0' STA. 90+54 TO STA. 92+71

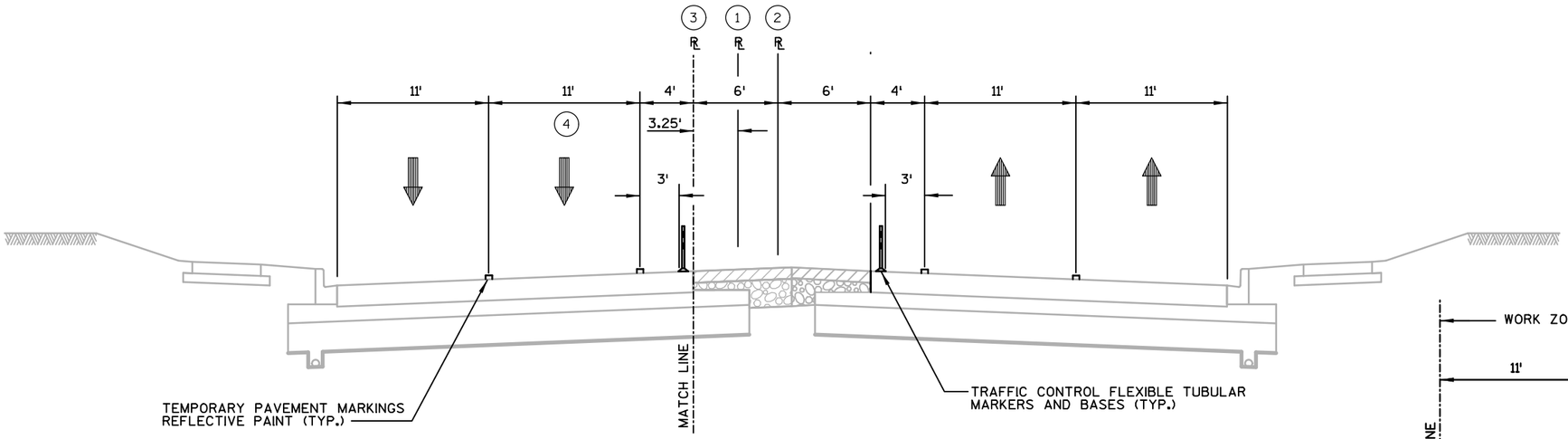


CONSTRUCTION STAGE 4 TYPICAL SECTION
MONONA DRIVE

STA. 103+32 TO STA. 111+24

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026001_e.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 5/WINTER WORK SUSPENSION TYPICAL SECTION (5)

MONONA DRIVE

STA. 58+90 TO STA. 103+32

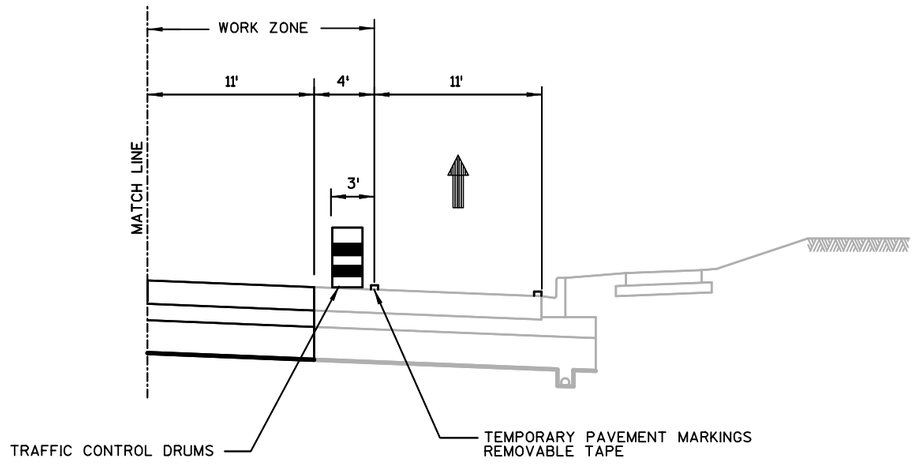
(1) BEGIN CONSTRUCTION TO STA. 85+42

(2) STA. 85+42 TO STA. 90+54

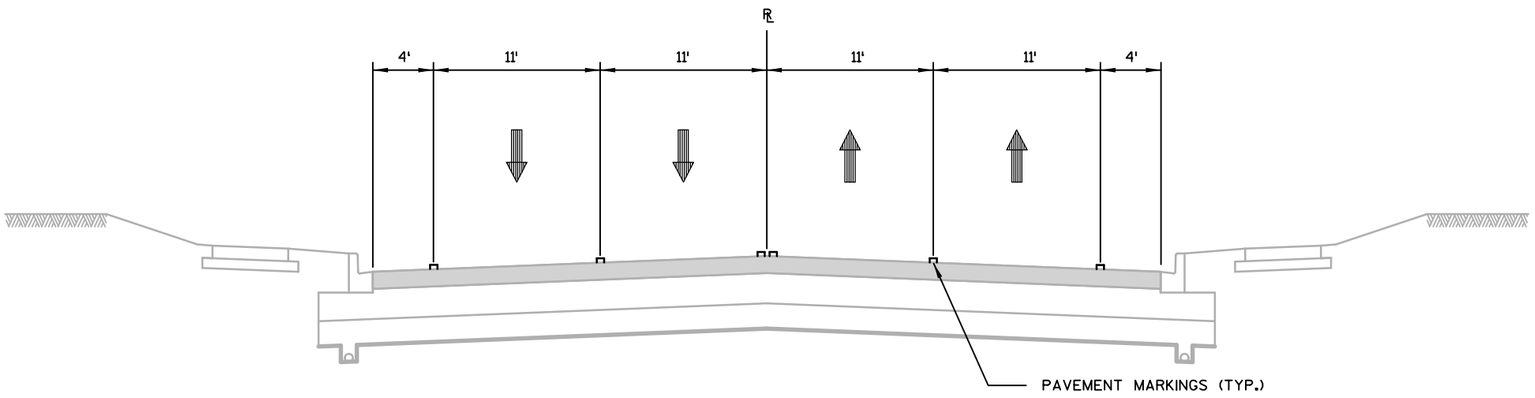
(3) STA. 90+54 TO STA. 103+32

(4) A SINGLE LANE CLOSURE IS PERMITTED DURING CONSTRUCTION OF THE INSIDE NORTHBOUND LANE BETWEEN STA. 89+55 TO STA. 94+00 IN ACCORDANCE TO SDD "TRAFFIC OCNTROL, SIGNLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" PRIOR TO THE WINTER SUSPENSION.

(5) CONSTRUCT THE INSIDE NORTHBOUND LANE BETWEEN STA. 89+55 TO STA. 94+00 PRIOR TO THE WINTER WORK SUSPENSION.



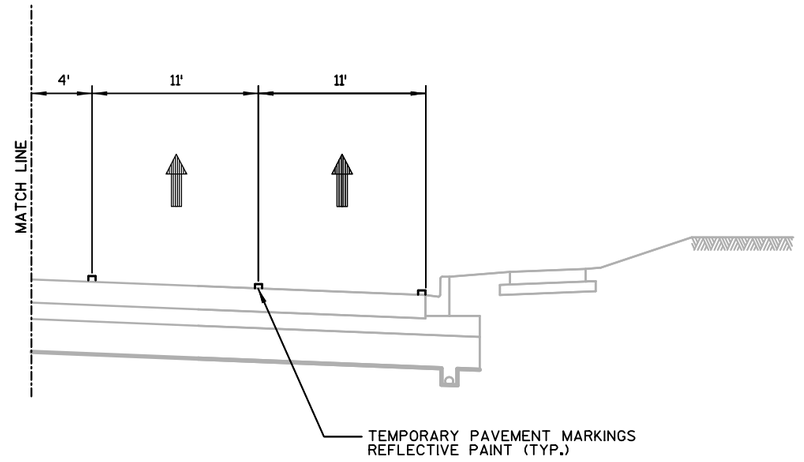
STA. 89+55 TO STA. 94+00 (COMPLETE PRIOR TO WINTER WORK SUSPENSION) (5)



CONSTRUCTION STAGE 5/WINTER WORK SUSPENSION TYPICAL SECTION

MONONA DRIVE

STA. 103+32 TO STA. 111+24



STA. 89+55 TO STA. 94+00 (WINTER WORK SUSPENSION)

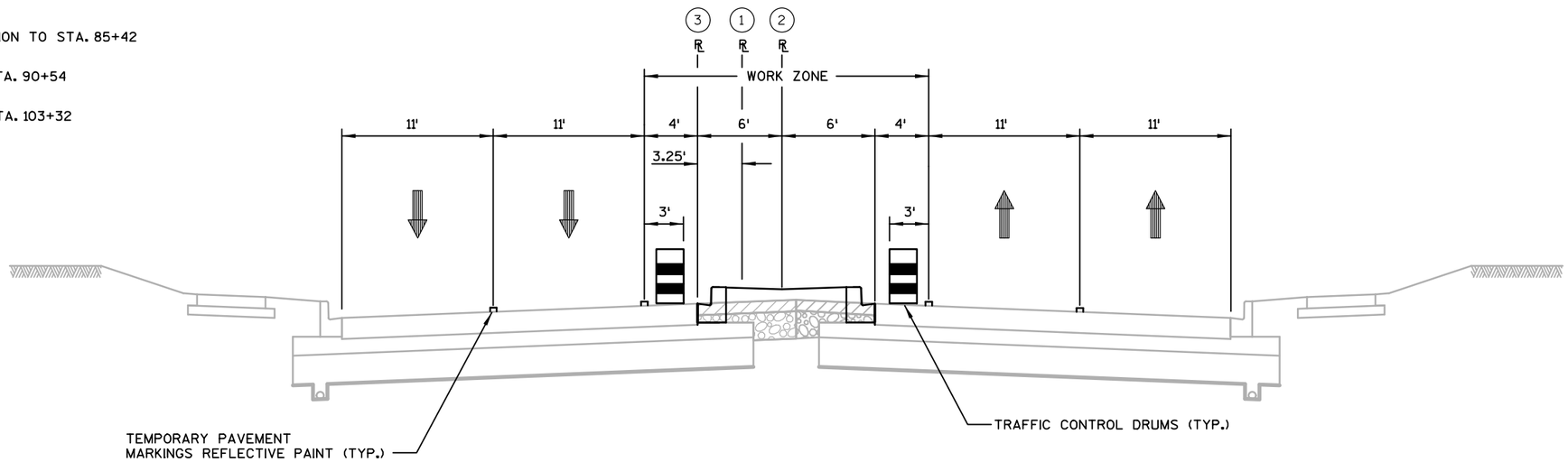
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 5/WINTER SUSPENSION	SHEET 199	E

2

(1) BEGIN CONSTRUCTION TO STA. 85+42

(2) STA. 85+42 TO STA. 90+54

(3) STA. 90+54 TO STA. 103+32



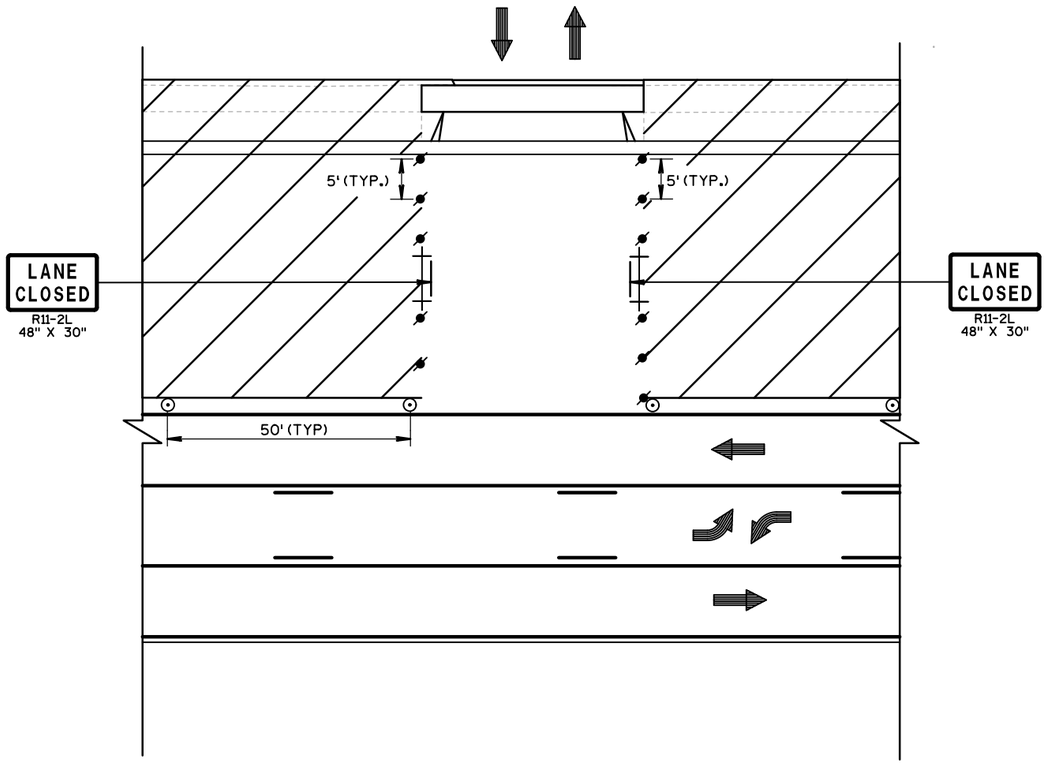
CONSTRUCTION STAGE 6 TYPICAL SECTION

MONONA DRIVE

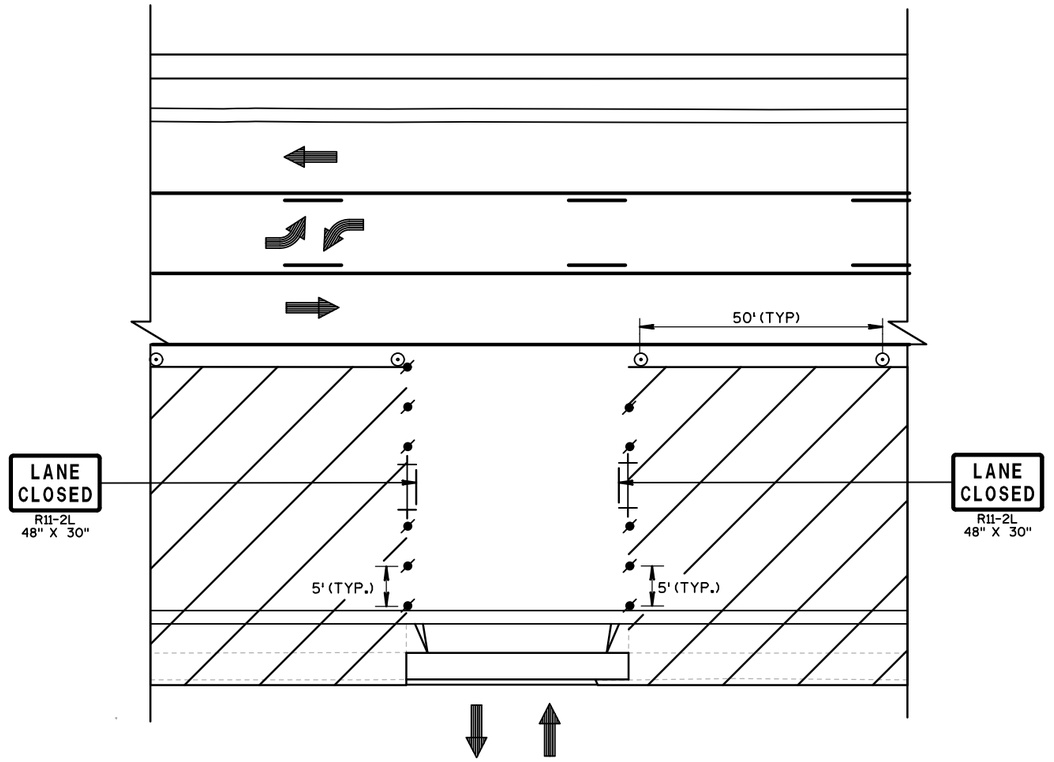
STA. 58+90 TO STA. 103+32

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026001_g.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TEMPORARY ACCESS TO DRIVEWAY DETAIL - STAGE 1 AND 3



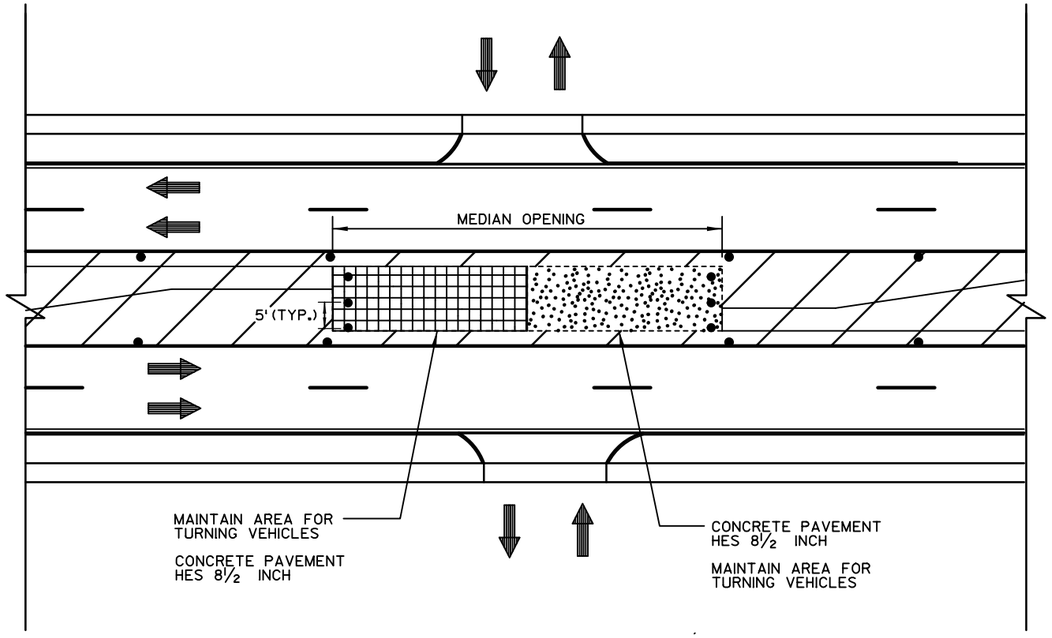
TEMPORARY ACCESS TO DRIVEWAY DETAIL - STAGE 4

LEGEND

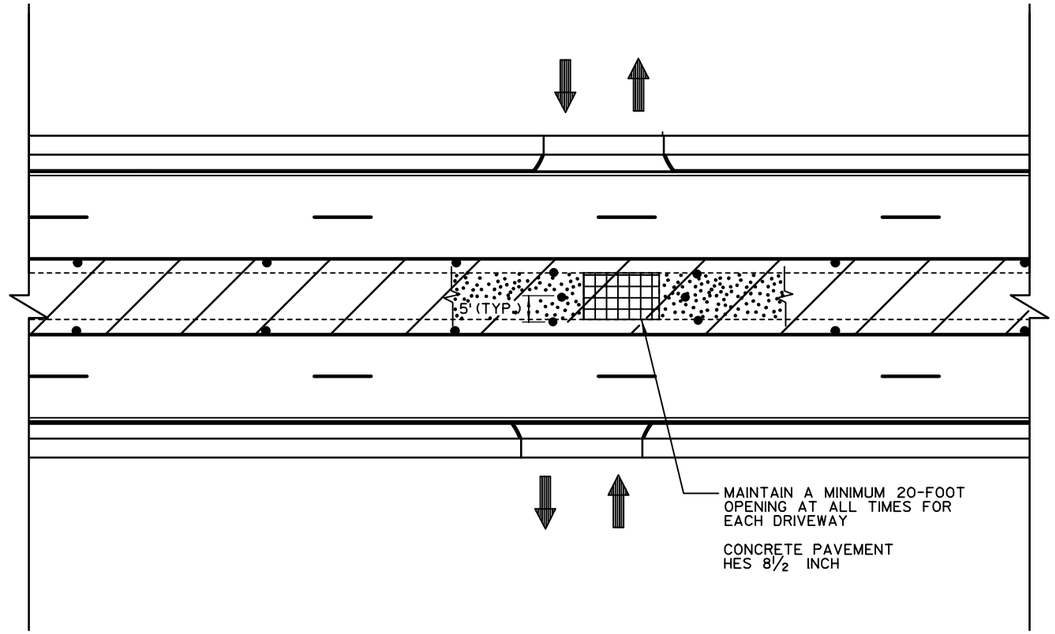
- WORK ZONE
- TRAFFIC FLOW ARROW
- DRUM WITH/WITHOUT LIGHT, TYPE C
- TYPE III BARRICADE WITH/WITHOUT SIGN
- FLEXIBLE TUBULAR MARKERS

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING DETAILS	SHEET 201	E

2



MAINTAIN MEDIAN OPENING DETAIL - STAGE 6



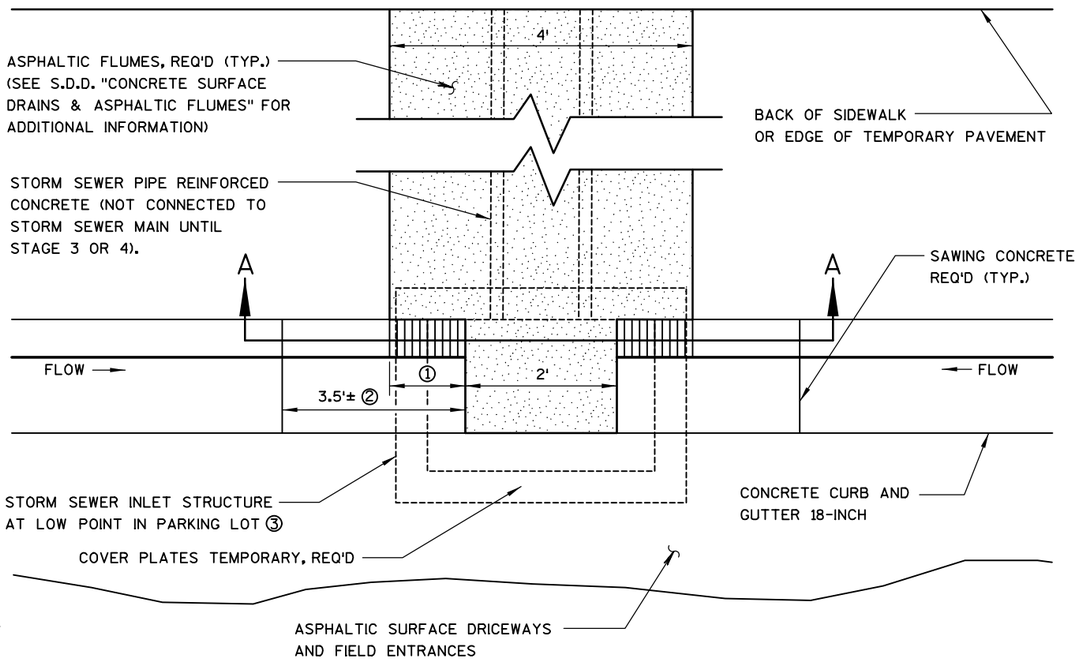
MAINTAIN MEDIAN OPENINGS FOR DRIVEWAYS DETAIL - STAGE 6

LEGEND

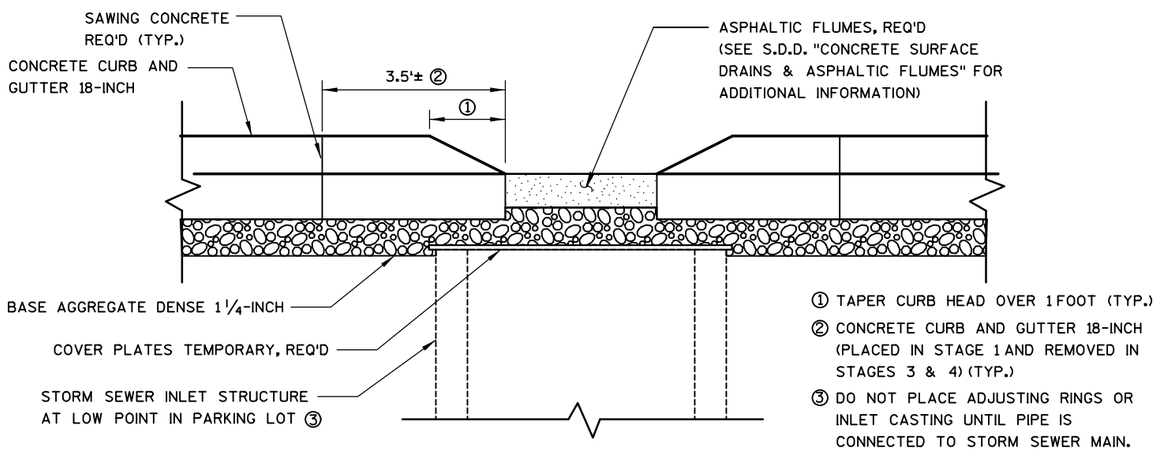
- WORK ZONE
- TRAFFIC FLOW ARROW
- DRUM WITH/WITHOUT LIGHT, TYPE C

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONSTRUCTION STAGING DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026002_b.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

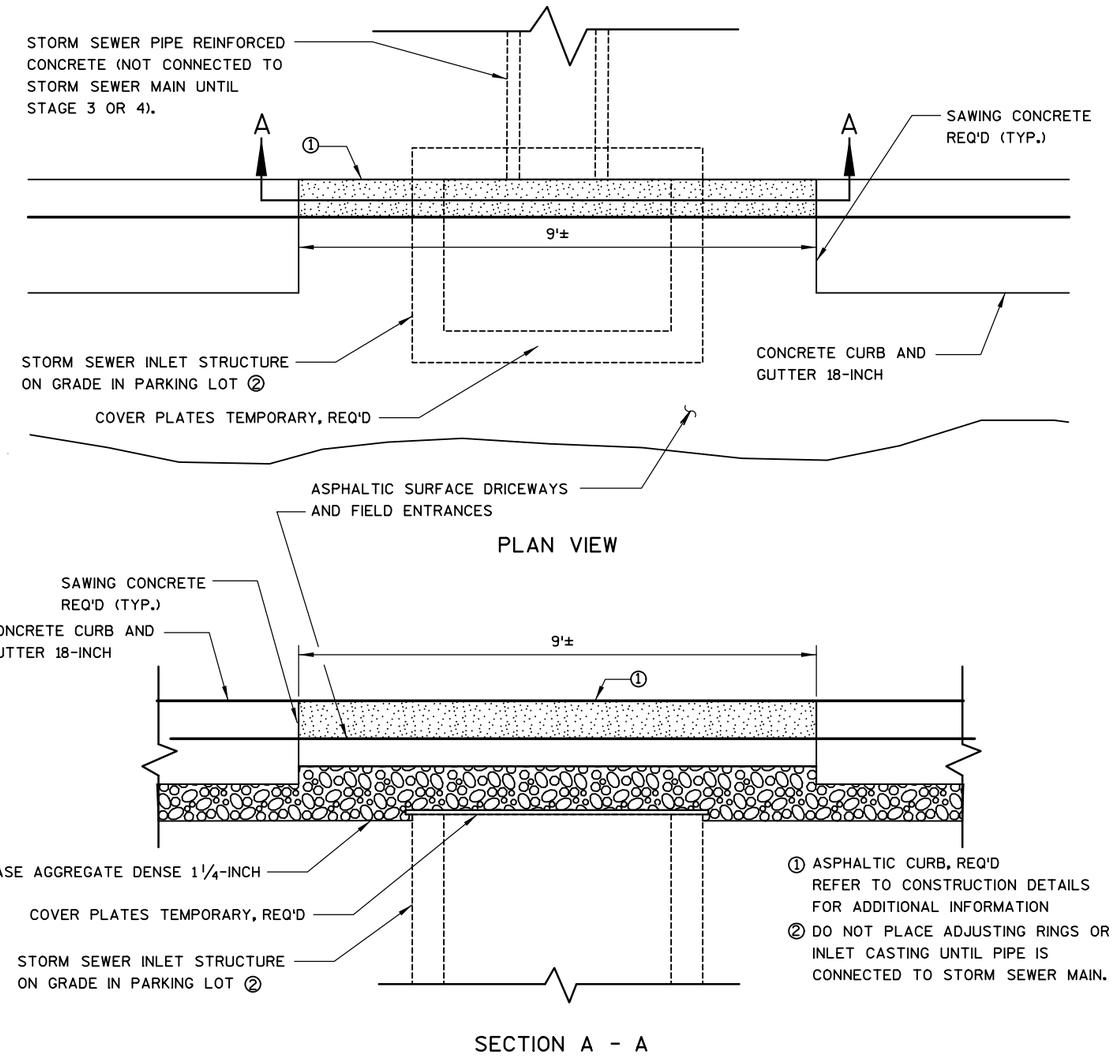


PLAN VIEW



SECTION A - A

INLETS AT LOW POINTS IN PARKING LOTS NOT CONNECTED TO MAIN DURING STAGING



INLETS ON GRADE IN PARKING LOTS NOT CONNECTED TO MAIN DURING STAGING

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE EDGELINE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW DASH)
4. TEMPORARY PAVEMENT MARKING 4-INCH (DOUBLE YELLOW)
5. TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE EDGELINE)
6. TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (YELLOW CENTERLINE)
7. TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH (WHITE LANELINE)
8. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE)
9. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)
10. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (3-FOOT DASH, 12-FOOT GAP) (WHITE)
11. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE LANELINE)
12. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW DASH)
13. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
14. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
15. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH (WHITE)
16. TEMPORARY PAVEMENT MARKING ARROWS
17. TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE
18. TEMPORARY PAVEMENT MARKING WORDS
19. TEMPORARY PAVEMENT MARKING WORDS REMOVABLE TAPE
20. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH
21. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE 3-FOOT DASH, 6-FOOT GAP)
22. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE STOP LINE 18-INCH

TEMPORARY PAVEMENT MARKING LEGEND (TYPICAL ALL SHEETS)

TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- -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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- -SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- -PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- -ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
- -ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
- -FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
- -MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LOFTY AVE.

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

REMOVE AFTER TEMPORARY SIGNALS ARE INSTALLED AND OPERATING E11-7

COLDSPRING AVE.

MATCH LINE STA. 96+00

MONONA DRIVE

25' (TYP.)

+94.8

+59.8

FOR LANE CLOSURE USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY"

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

MOVE SIGN TO HERE E11-13

EXISTING SIGN TO BE MOVED E11-13

REMOVE AFTER TEMPORARY SIGNALS ARE INSTALLED AND OPERATING E11-14

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

10' (TYP.)

11'

50'

E11-16

REMOVE AFTER TEMPORARY SIGNALS ARE INSTALLED AND OPERATING

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

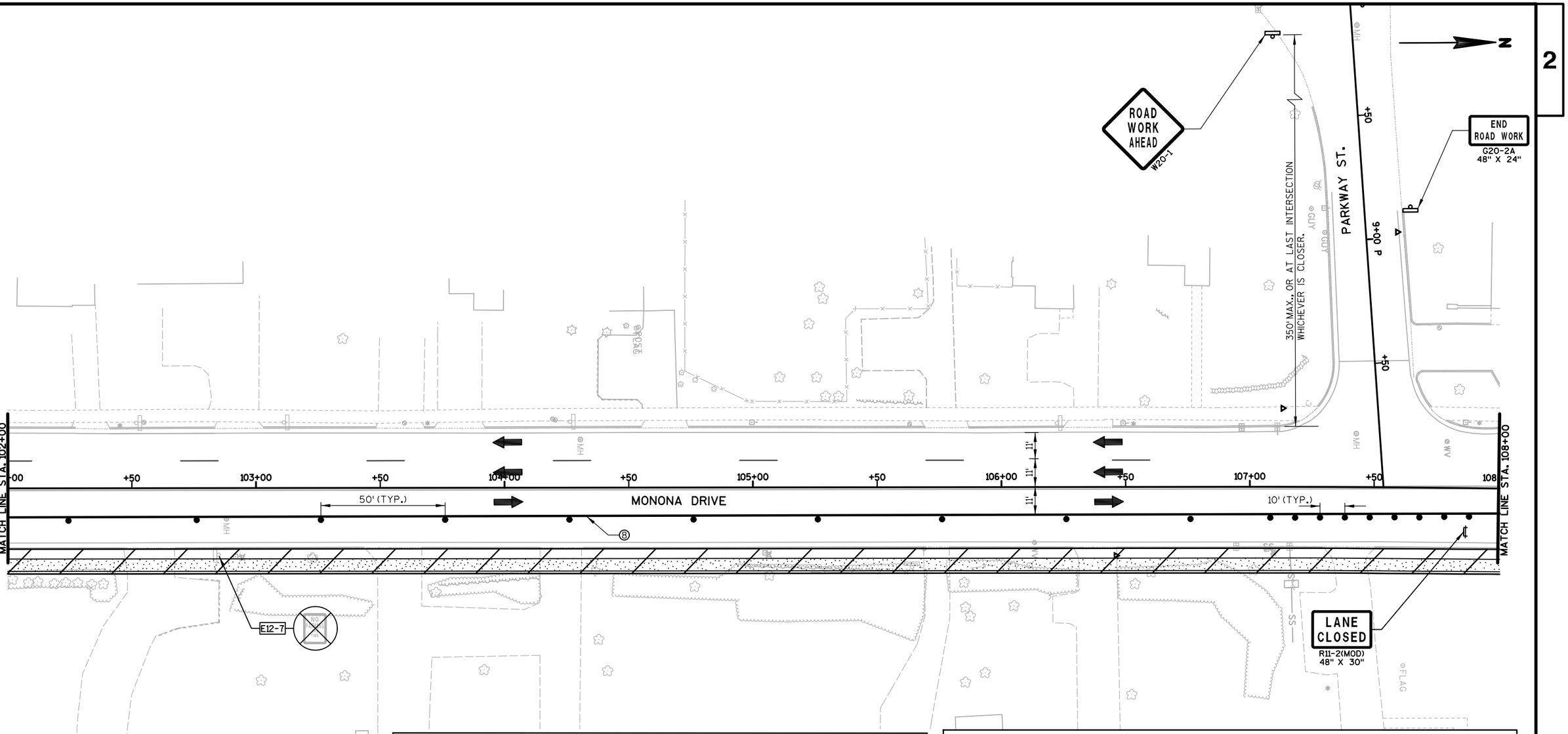
MATCH LINE STA. 102+00

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE 1	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026101_s1_P1.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
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-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

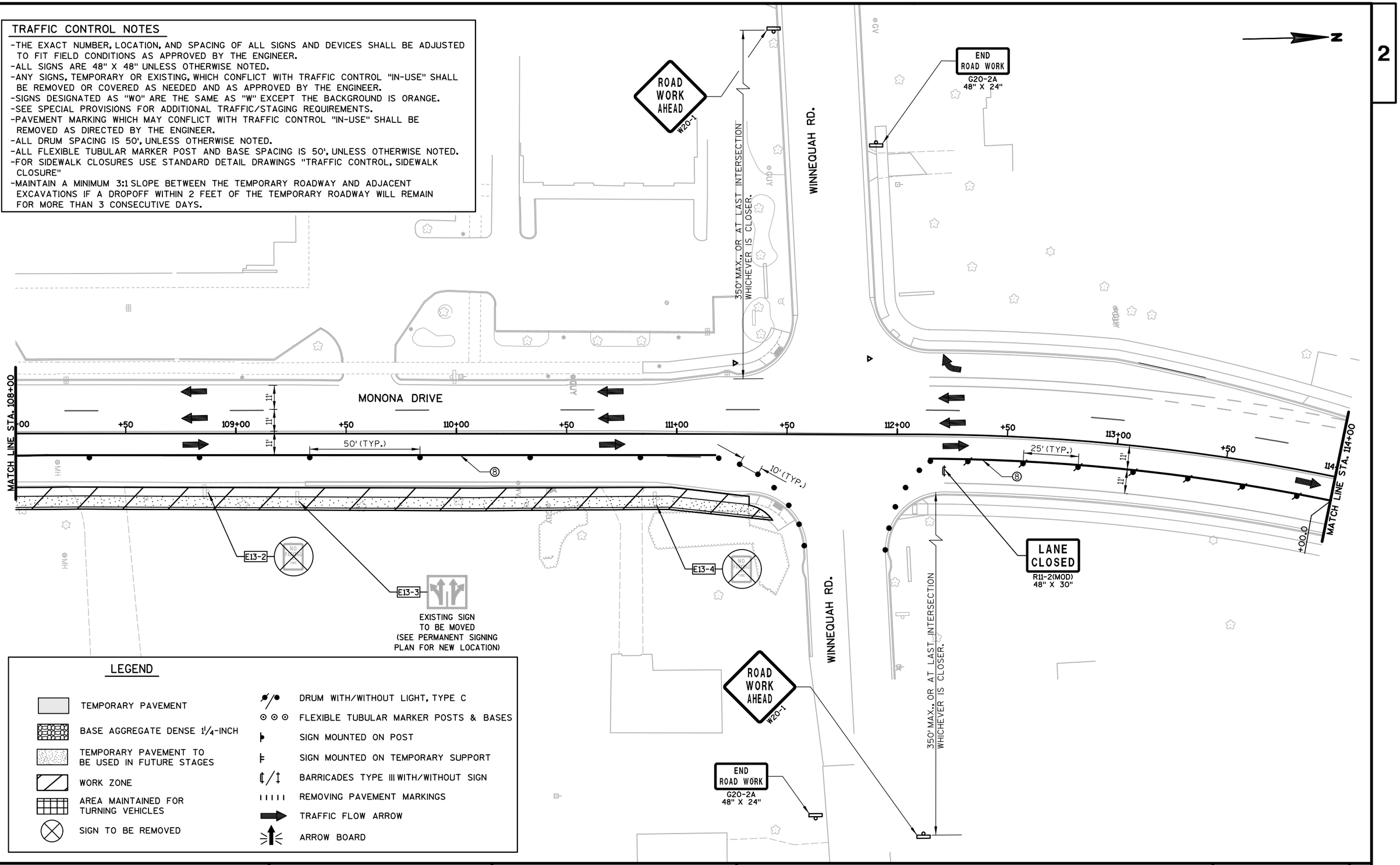
- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026102_s1_P1.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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LEGEND

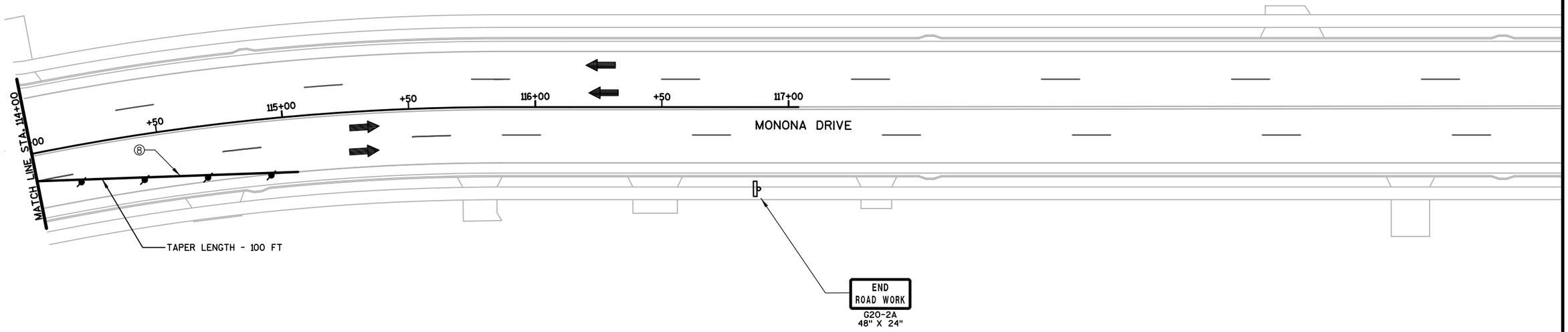
- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE 1	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026103_s1_P1.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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.
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-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.



LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026104_s1_P1.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

N

MONONA DRIVE

54+00 +50 55+00 +50 56+00 +50 57+00 +50 58+00 +50 59+00 +50 60+00

11' 11' 11' 11'

25'(TYP.) 25'(TYP.)

+01.5 +66.5 +02.1

100'

⑨ ⑨ ⑨ ②

MATCH LINE STA. 60+00

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

LEFT TURN LANE
R3-55L
24" X 30"

FOR LANE CLOSURE
USE STANDARD DETAIL DRAWING
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY"

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 209	E

TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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N

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

NICHOLS RD.

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

E5-8

REMOVE AFTER TEMPORARY SIGNALS ARE INSTALLED AND OPERATING

MOVE SIGN TO HERE E5-9

E5-9 E5-10

EXISTING SIGN TO BE MOVED

EXISTING SIGN TO BE MOVED (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)

E5-11

E5-12

EXISTING SIGN TO BE MOVED

MOVE SIGN TO HERE E5-12

E5-5 E5-6

EXISTING SIGNS TO BE MOVED (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)

E5-7

REMOVE AFTER TEMPORARY SIGNALS ARE INSTALLED AND OPERATING

MATCH LINE STA. 60+00

61+00 62+00 63+00 64+00 65+00 66+00

MONONA DRIVE

REMOVING CURB REQ'D (TYP.)

25' (TYP.)

11' 12'

+83.8

E5-16

REMOVE AFTER TEMPORARY SIGNALS ARE INSTALLED AND OPERATING

E5-17 E5-18

EXISTING SIGNS TO BE MOVED (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)

SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT

E5-23

MOVE SIGN TO HERE

EXISTING SIGN TO BE MOVED

E5-24 E5-25

TRUCK ROUTE

MOVE SIGNS TO HERE

EXISTING SIGNS TO BE MOVED

E5-15

REMOVE WHEN TEMPORARY SIGNALS ARE INSTALLED

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

PFLAUM RD.

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

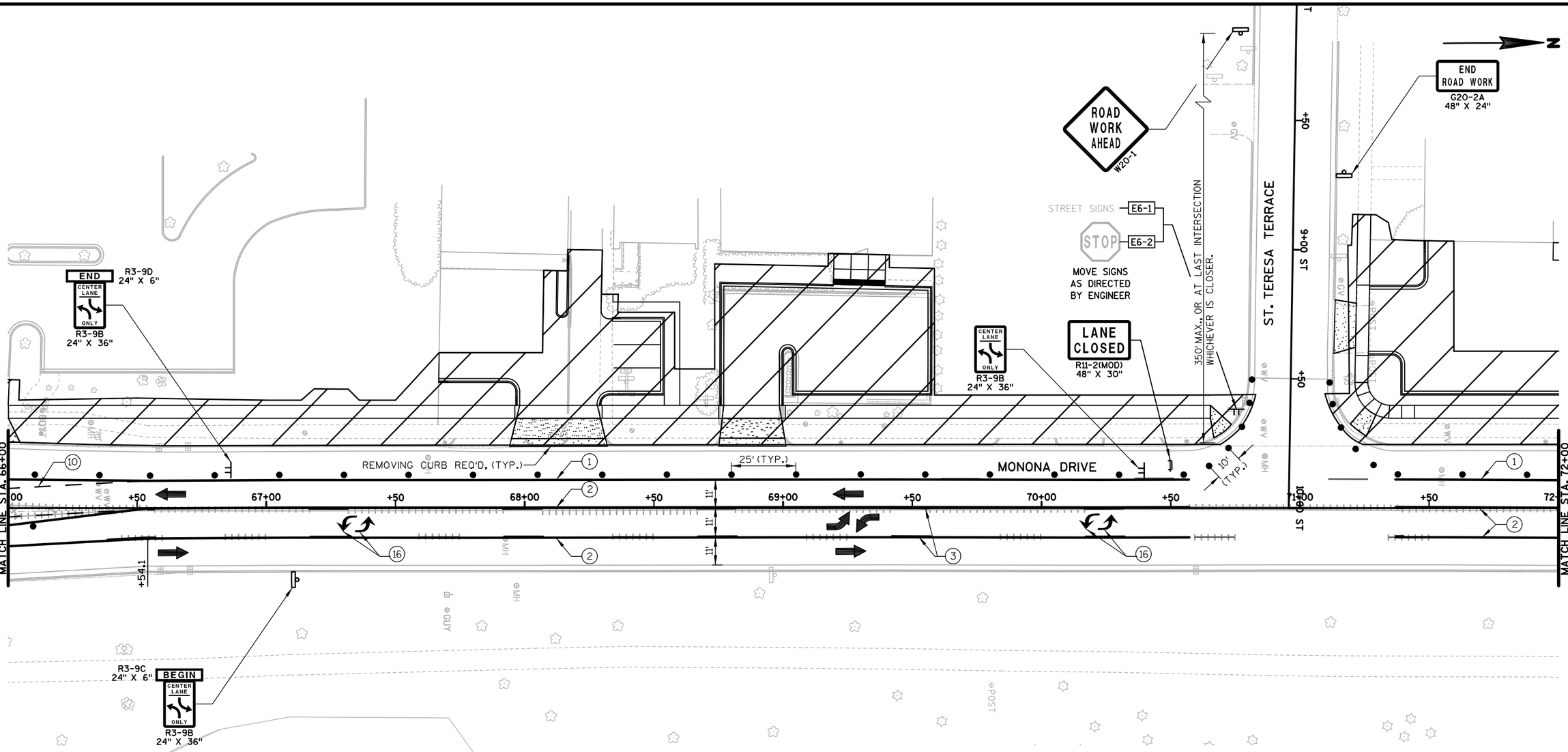
ROAD WORK AHEAD W20-1

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026105_s1_P2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TRAFFIC CONTROL NOTES

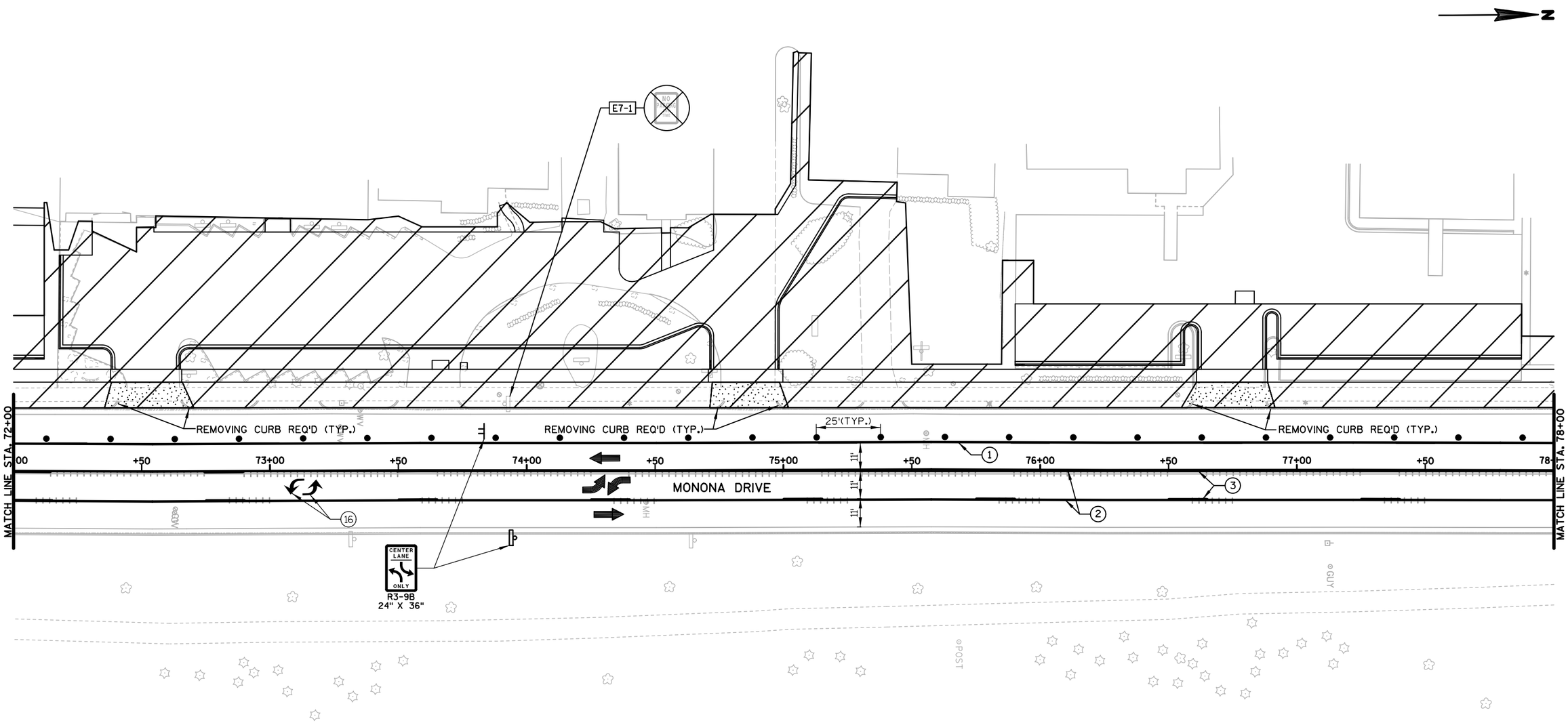
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-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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-SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
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-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

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- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 211	E

2



TRAFFIC CONTROL NOTES

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- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 212	E

2

N

STOP E8-1

MOVE SIGN AS DIRECTED BY ENGINEER REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 2

EXISTING SIGN AND SUPPORT TO BE MOVED (SEE PERMANENT SIGN PLAN FOR NEW LOCATION) E8-2 E8-3

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

CENTER LANE ONLY
R3-9B
24" X 36"

REMOVING CURB REQ'D. (TYP.)

REMOVING CURB REQ'D. (TYP.)

25'(TYP.)

STA. 78+00

MATCH LINE

79+00 +50 80+00 +50 81+00 +50 82+00 +50 83+00 +50

STA. 84+00

MATCH LINE

MONONA DRIVE

11' 11' 11'

1 2 3 16

POST

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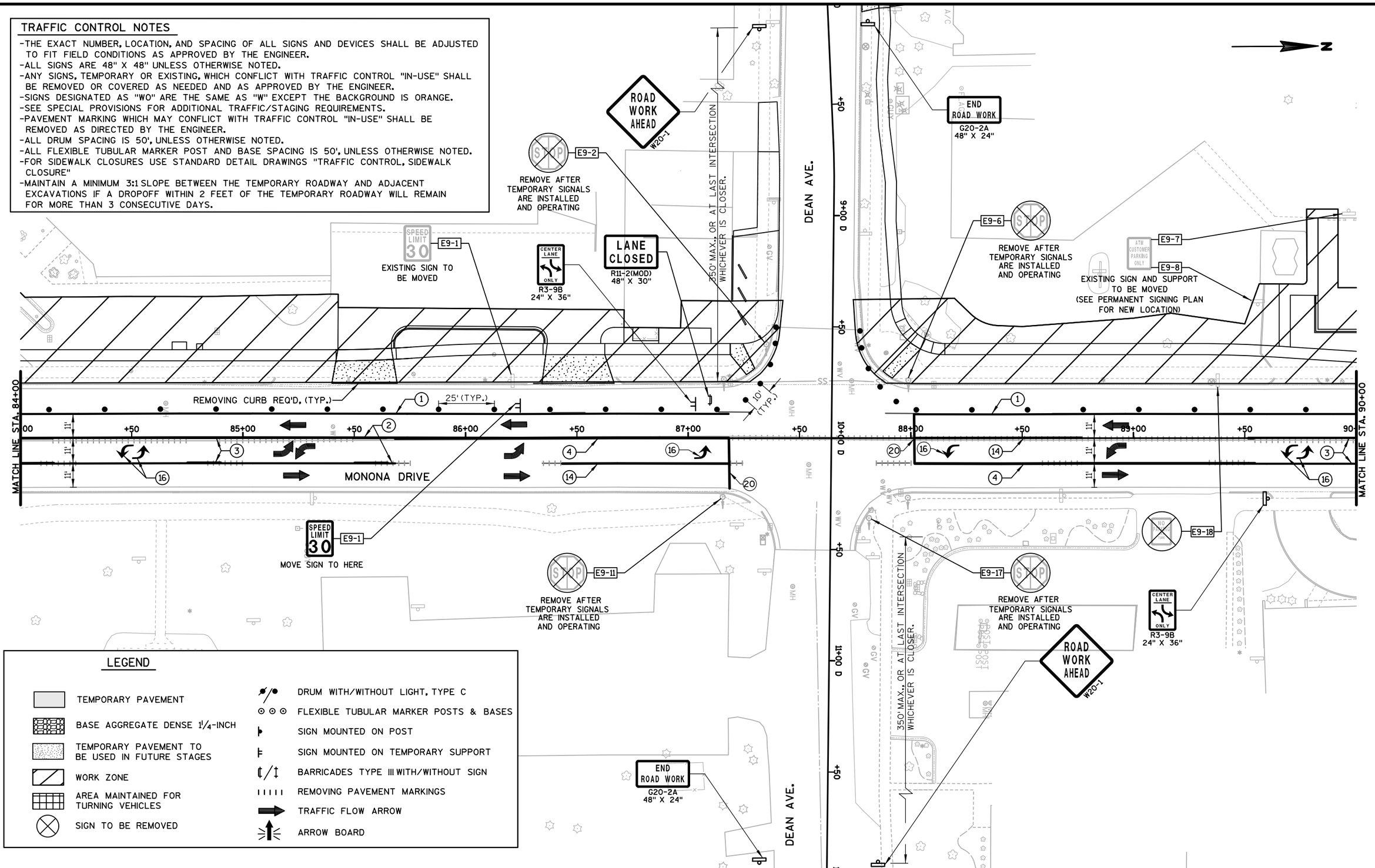
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- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 213	E

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026109_s1_P2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

STREET SIGNS E10-1 E10-2

STOP

MOVE SIGNS AS DIRECTED BY ENGINEER

ROAD WORK AHEAD W20-1

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

CENTER LANE ONLY R3-9B 24" X 36"

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

SPRINGHAVEN AVE.

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

E10-3 EXISTING SIGN TO BE MOVED

E10-3 MOVE SIGN TO HERE

REMOVING CURB REQ'D, (TYP.)

25' (TYP.)

10' (TYP.)

MONONA DRIVE

MATCH LINE STA. 90+00

MATCH LINE STA. 96+00

91+00 92+00 93+00 94+00 95+00

+50

S 9+00 S 10+00

11'

CENTER LANE ONLY R3-9B 24" X 36"

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- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 215	E

TRAFFIC CONTROL NOTES

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ROAD WORK AHEAD W20-1

STREET SIGNS E11-1 / E11-2

STOP

MOVE SIGNS AS DIRECTED BY ENGINEER

CENTER LANE ONLY R3-9B 24" X 36"

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

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LOFTY AVE.

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

E11-3 / E11-4

EXISTING SIGN TO BE MOVED

SALVAGE AND REPLACE DIGITAL SPEED LIMIT SIGN AND RADAR UNIT (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)

CENTER LANE ONLY R3-9B 24" X 36"

E11-5

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

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

COLDSPRING AVE.

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

E11-10

EXISTING SIGN TO BE MOVED

MATCH LINE STA. 96+00

MATCH LINE STA. 102+00

25' (TYP.)

REMOVING CURB REQ'D, (TYP.)

10' (TYP.)

MONONA DRIVE

97+00 98+00 99+00 100+00 101+00

E11-3

MOVE SIGN TO HERE

E11-10

MOVE SIGN TO HERE

CENTER LANE ONLY R3-9B 24" X 36"

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

ROAD WORK AHEAD W20-1

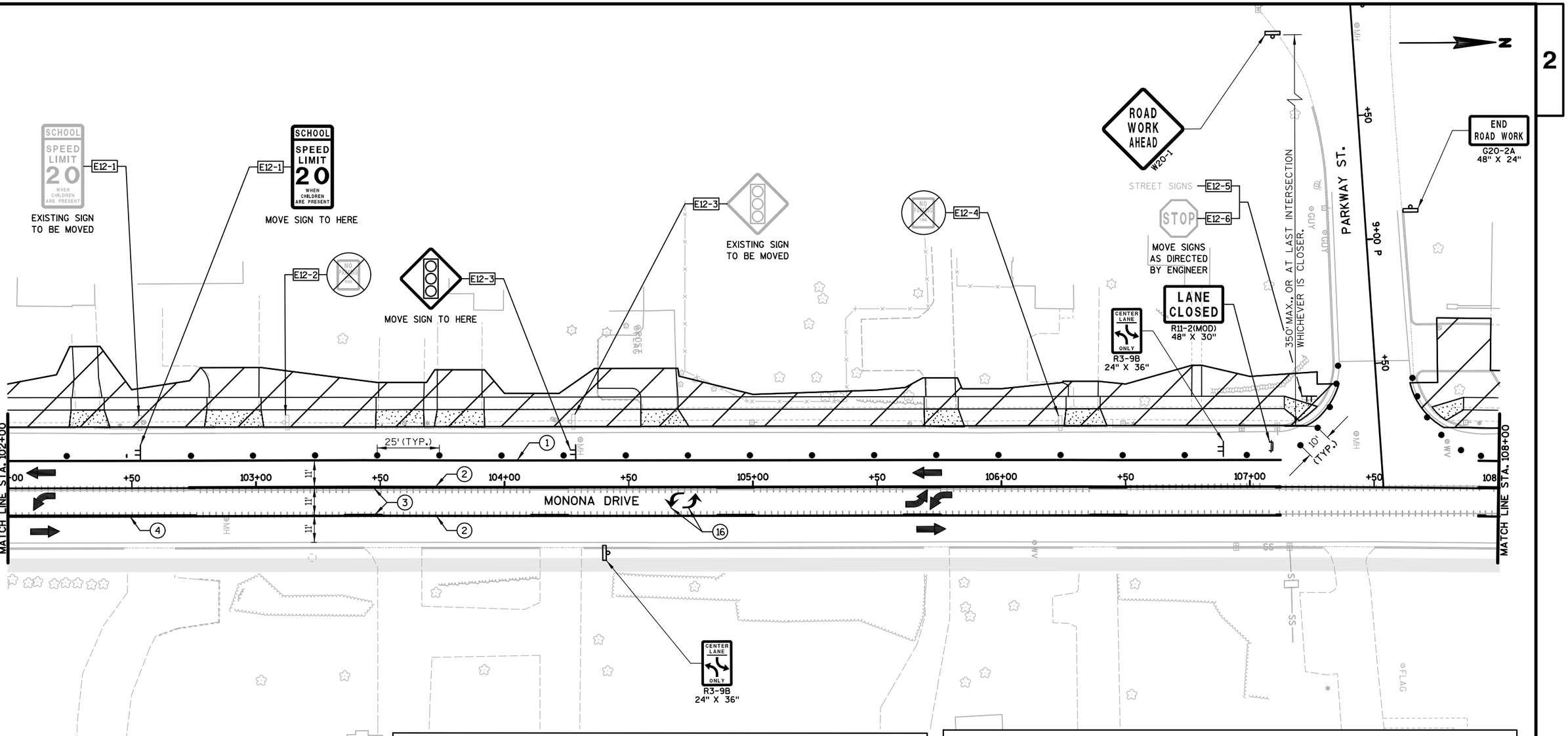
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026111_s1_P2.dgn PLOT DATE : 10/26/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TRAFFIC CONTROL NOTES

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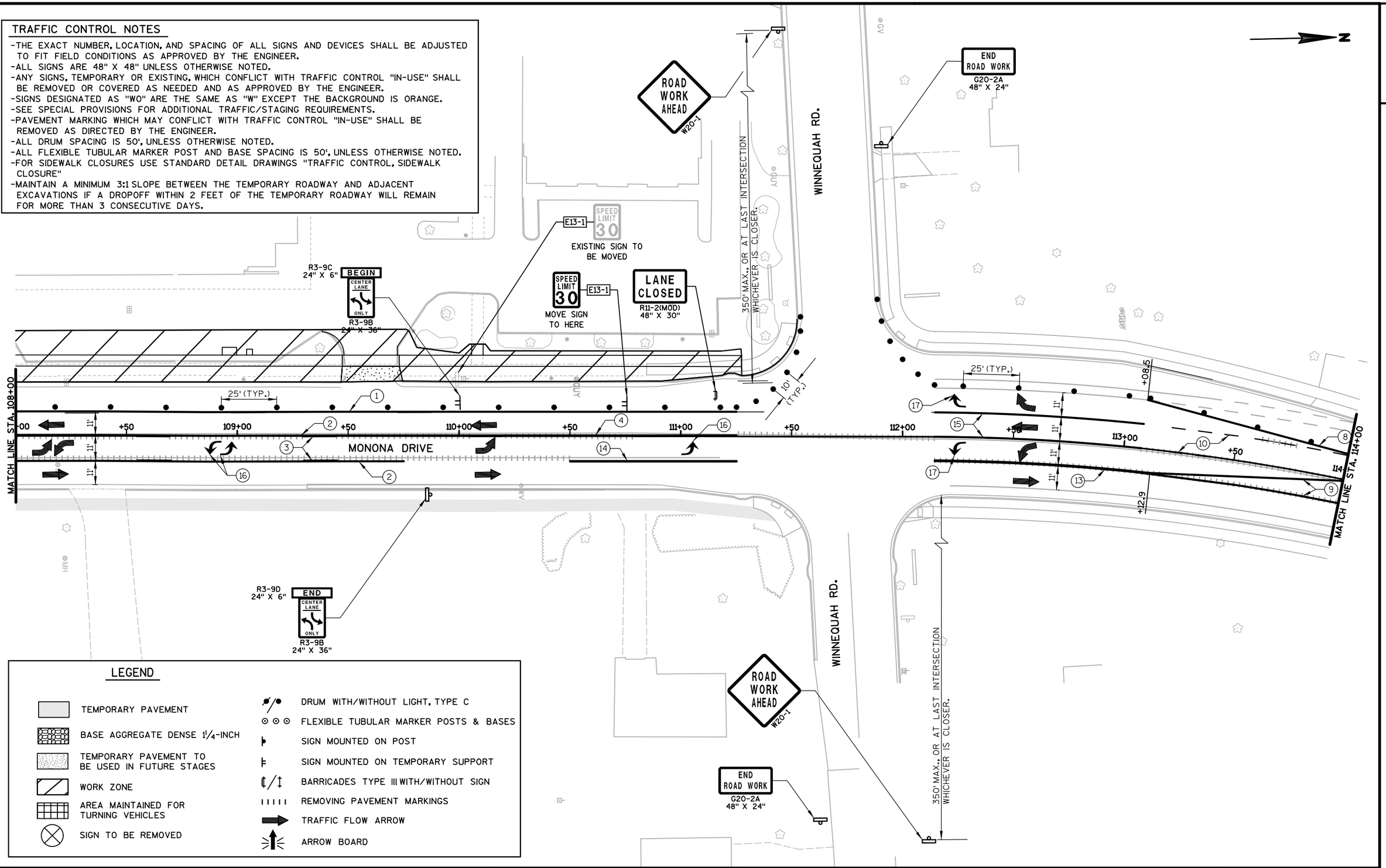
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 217	E

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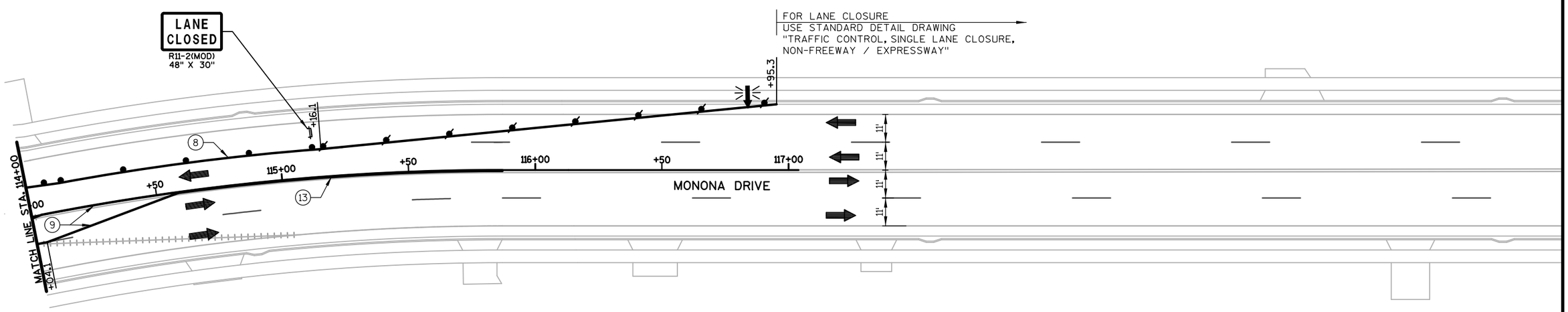
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 218	E

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 1 PHASE II	SHEET 219	E

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- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

Ⓐ REMOVING INLET COVERS, REQ'D
INLET COVERS TYPE DW, REQ'D

N

MONONA DRIVE

54+00 +50 55+00 +50 56+00 +50 57+00 +50 58+00 +50 59+00 +50 60+00

25' (TYP.) 25' (TYP.) 50' (TYP.)

11' 11' 11' 11' 11' 11'

+59.3 +97.9 +73.5 +89.9

MATCH LINE STA. 60+00

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

+90
42.6' RT

FOR LANE CLOSURE
USE STANDARD DETAIL DRAWING
"TRAFFIC CONTROL, SINGLE LANE CLOSURE,
NON-FREEWAY / EXPRESSWAY"

E5-13 BIKE LANE
E5-14 ENDS

MOVE SIGNS TO HERE
REMOVE WHEN NEW SIGN
IS INSTALLED PRIOR TO
STAGE 5

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET 220	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

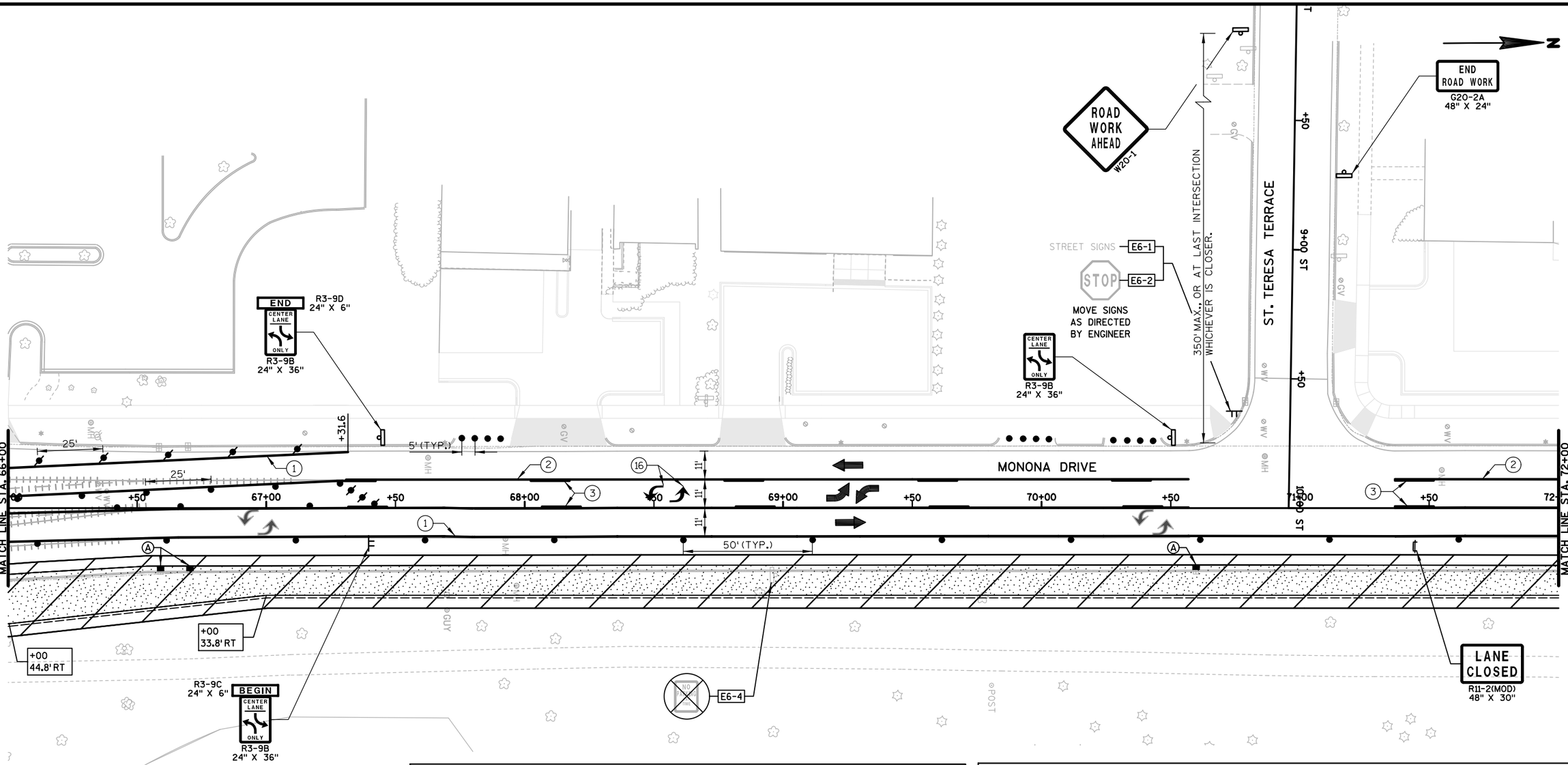
ROAD WORK AHEAD W20-1
350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.
E5-3 TRUCK ROUTE E5-4
MOVE SIGNS TO HERE
EXISTING SIGNS TO BE MOVED
NICHOLS RD.
END ROAD WORK G20-2A 48" X 24"
E5-9 MOVE SIGN TO HERE
SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT E5-23
MOVE SIGN TO HERE
TRUCK ROUTE E5-24 E5-25
MOVE SIGNS TO HERE
E5-12 MOVE SIGN TO HERE
MATCH LINE STA. 60+00
MONONA DRIVE
MATCH LINE STA. 66+00
50' (TYP.)
25' (TYP.)
ASPHALTIC CURB REQ'D
BIKE LANE ENDS E5-13 E5-14
EXISTING SIGNS TO BE MOVED (SEE PREVIOUS PLAN SHEET)
END ROAD WORK G20-2A 48" X 24"
PFLAUM RD.
350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.
LANE CLOSED R11-2(MOD) 48" X 30"
E5-19 TRUCK ROUTES HAVE YELLOW SIGN POSTS
EXISTING SIGN TO BE MOVED (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)
E5-20
E5-21 CALENDAR PARKING AND EMERGENCY SNOW REGULATIONS IN EFFECT NOV. 15 TO MAR. 15
EXISTING SIGN TO BE MOVED (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)
E5-22 Welcome to Madison POP. 208,054
EXISTING SIGN TO BE MOVED (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)
E5-26 SPEED LIMIT 30
EXISTING SIGN TO BE MOVED
MOVE SIGN TO HERE
ROAD WORK AHEAD W20-1
Ⓐ REMOVING INLET COVERS, REQ'D
INLET COVERS TYPE DW, REQ'D

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026202_s2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



Ⓐ REMOVING INLET COVERS, REQ'D
INLET COVERS TYPE DW, REQ'D

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
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- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026203_s2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

CENTER LANE ONLY
R3-9B
24" X 36"

MATCH LINE STA. 72+00

+50 | 73+00 | +50 | 74+00 | +50 | 75+00 | +50 | 76+00 | +50 | 77+00 | +50 | 78+00

MATCH LINE STA. 78+00

11' 11' 11'

MONONA DRIVE

50' (TYP.)

(2) (3) (16) (1) (A)

E7-2

SPEED LIMIT 30
E7-3
EXISTING SIGN TO BE MOVED

SPEED LIMIT 30
E7-3
MOVE SIGN TO HERE

+36
33.8' RT

+36
44.8' RT

Ⓐ REMOVING INLET COVERS, REQ'D
INLET COVERS TYPE DW, REQ'D

TRAFFIC CONTROL NOTES

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LEGEND

- TEMPORARY PAVEMENT
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- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET 223	E

2

N

CENTER LANE ONLY
R3-9B
24" X 36"

MATCH LINE STA. 78+00

00 +50 79+00 +50 80+00 +50 81+00 +50 82+00 +50 83+00 +50 84+00

MATCH LINE STA. 84+00

MONONA DRIVE

11' 11' 11'

5' (TYP.)

50' (TYP.)

(A) (1) (2) (3) (16)

E8-4

+23
32.8' RT

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

+00
32.8' RT

+61
23.7' RT

+72
32.8' RT

FLAG GV WV HH POST

(A) REMOVING INLET COVERS, REQ'D
INLET COVERS TYPE DW, REQ'D

TRAFFIC CONTROL NOTES

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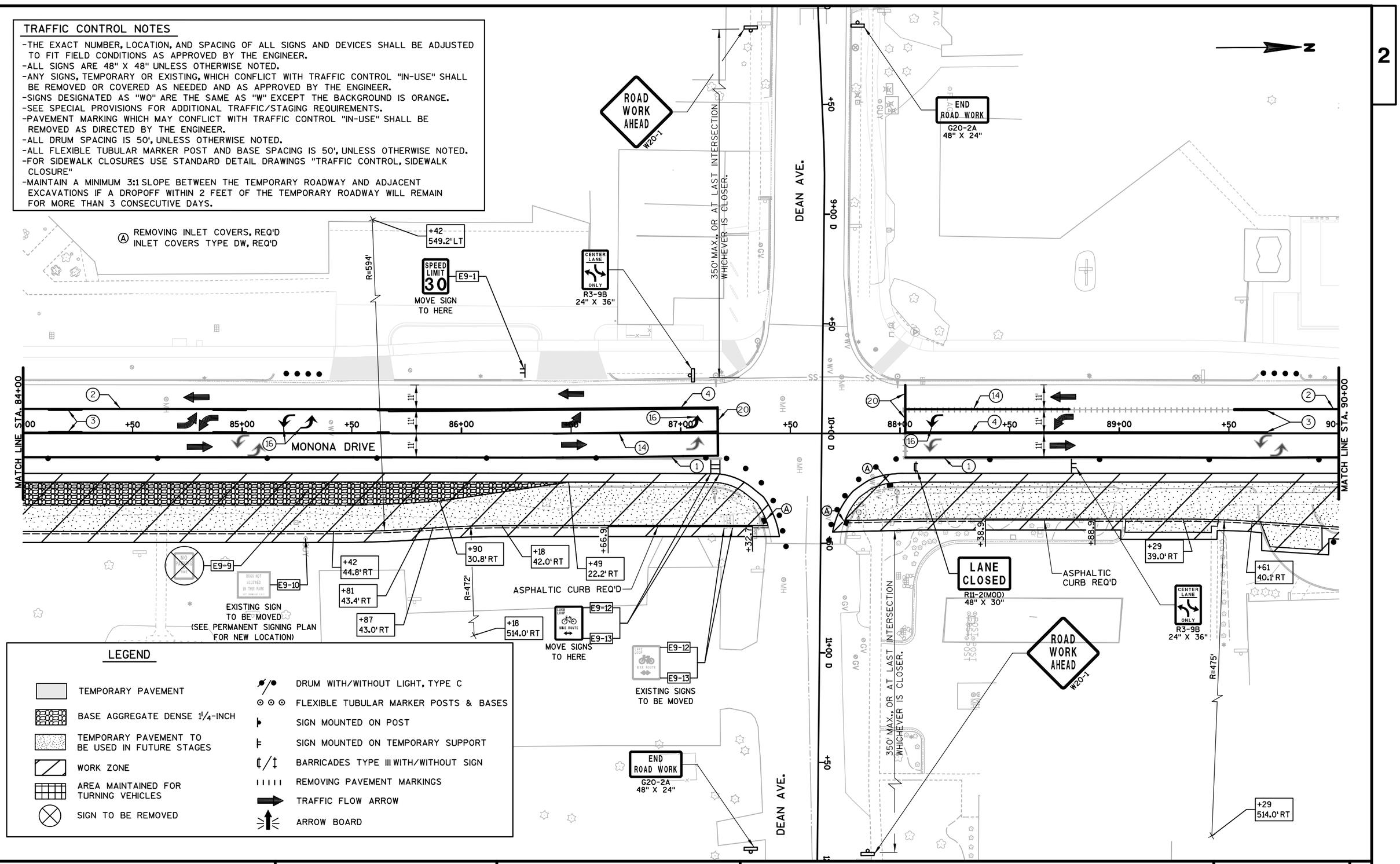
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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- DRUM WITH/WITHOUT LIGHT, TYPE C
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- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET 224	E

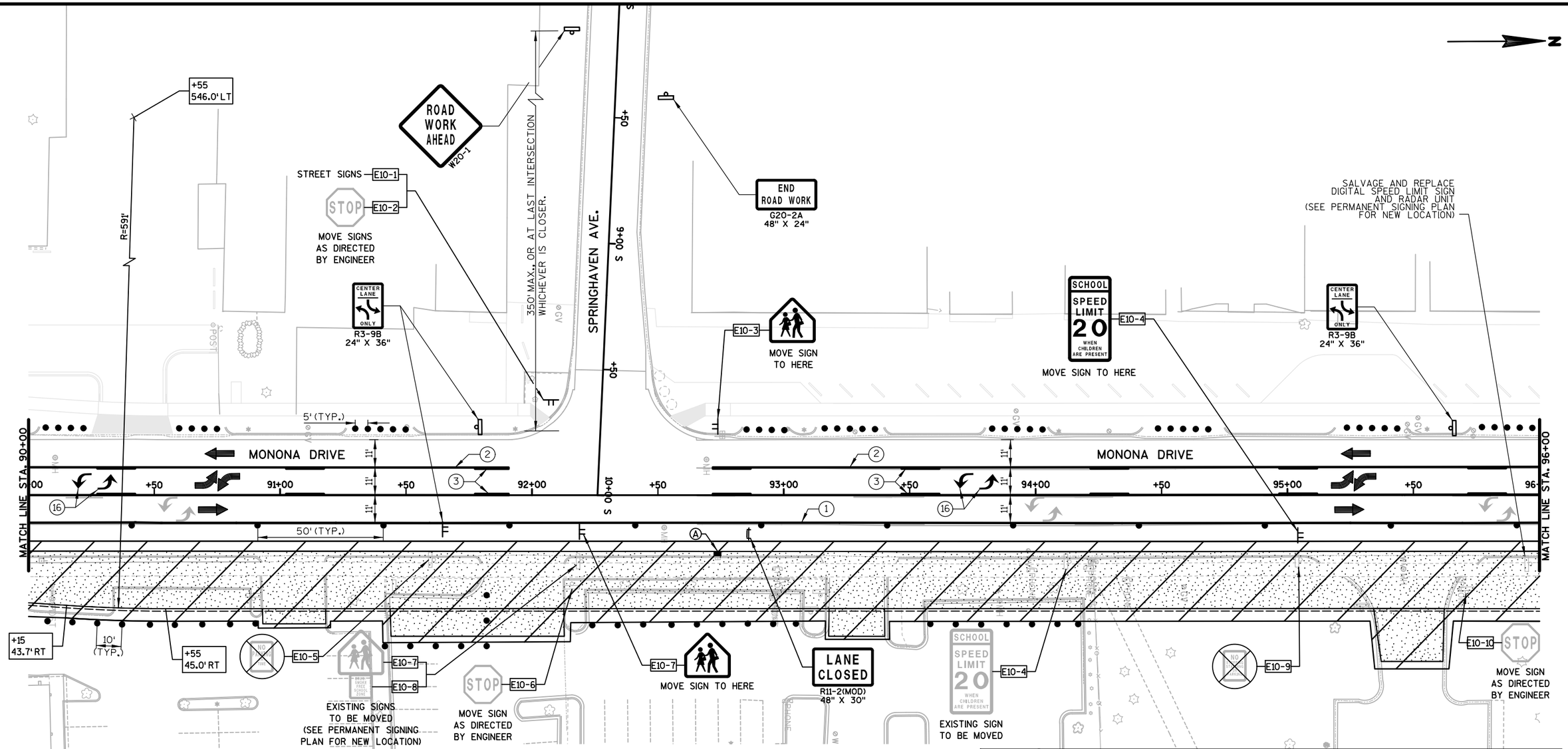
TRAFFIC CONTROL NOTES

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026206_s2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



Ⓐ REMOVING INLET COVERS, REQ'D
INLET COVERS TYPE DW, REQ'D

TRAFFIC CONTROL NOTES

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

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET 226 E

TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LOFTY AVE.

STREET SIGNS E11-1 STOP E11-2

MOVE SIGNS AS DIRECTED BY ENGINEER

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

E11-3 MOVE SIGN TO HERE

CENTER LANE ONLY R3-9B 24" X 36"

COLDSPRING AVE.

E11-10 MOVE SIGN TO HERE

MATCH LINE STA. 96+00

MONONA DRIVE

MATCH LINE STA. 102+00

E11-11 EXISTING SIGN TO BE MOVED

E11-11 MOVE SIGN TO HERE

E11-12 EXISTING SIGN TO BE MOVED

E11-12 MOVE SIGN TO HERE

E11-13 MOVE SIGN TO HERE

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

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

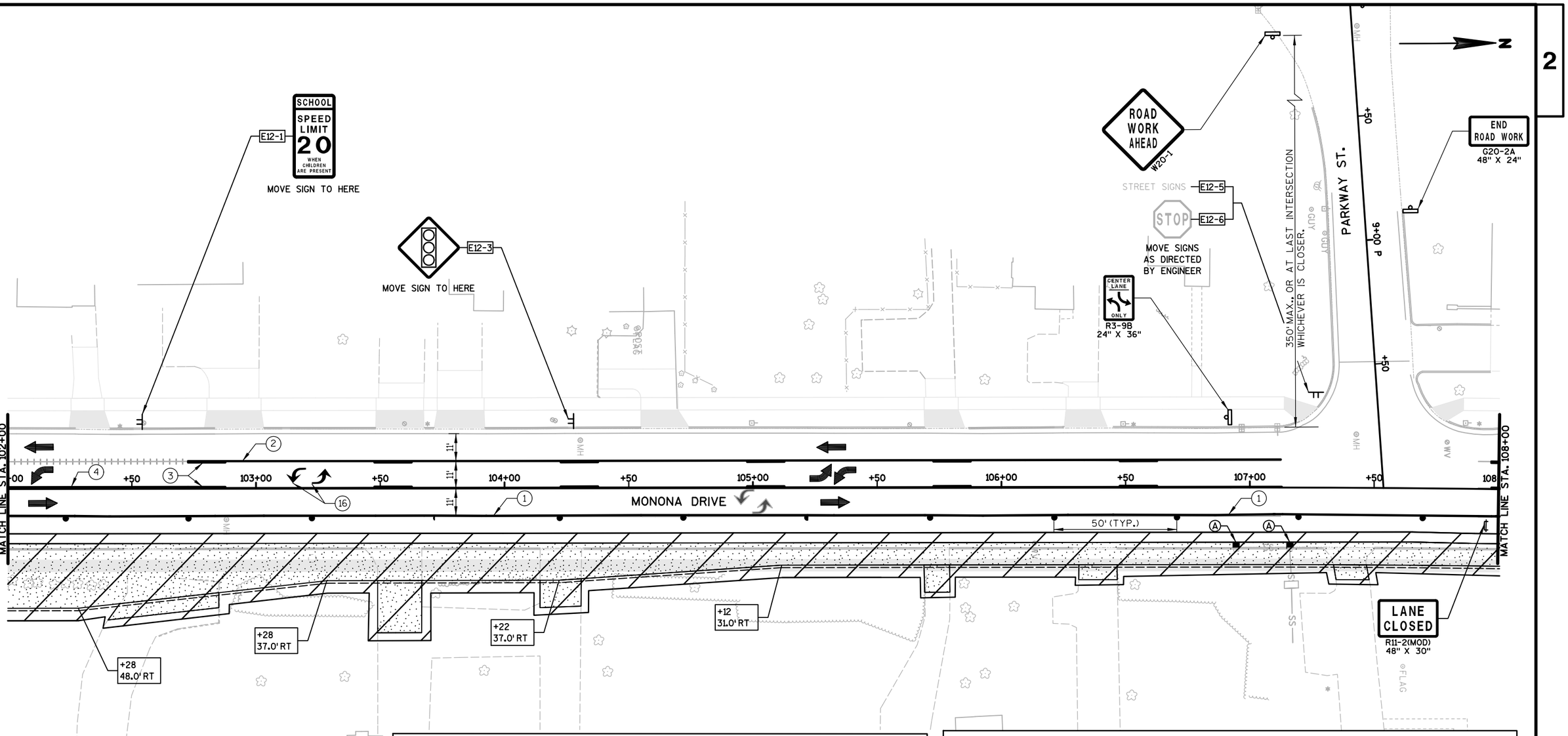
ROAD WORK AHEAD W20-1

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026208_s2.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



Ⓐ REMOVING INLET COVERS, REQ'D
INLET COVERS TYPE DW, REQ'D

TRAFFIC CONTROL NOTES

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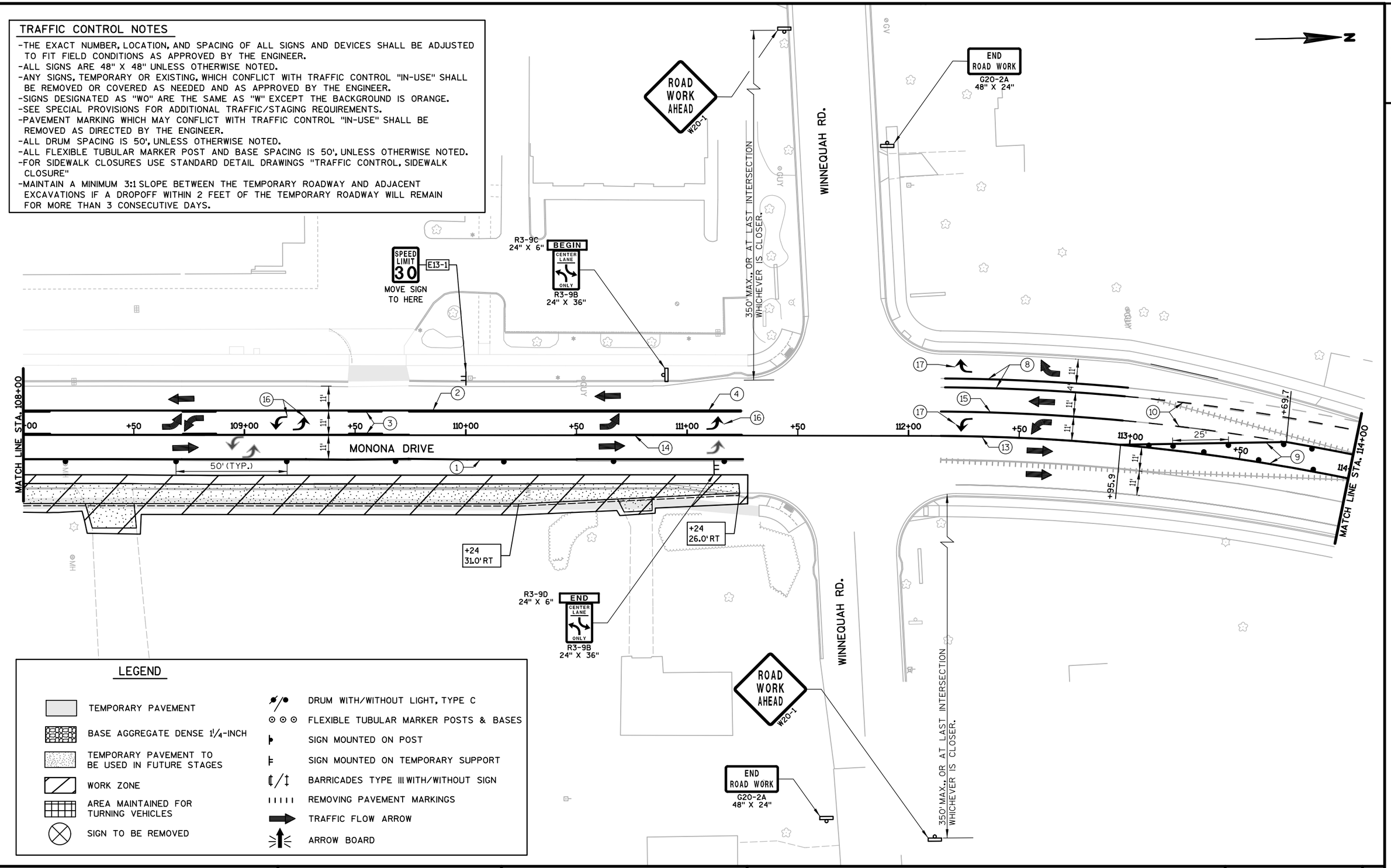
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET 228	E

TRAFFIC CONTROL NOTES

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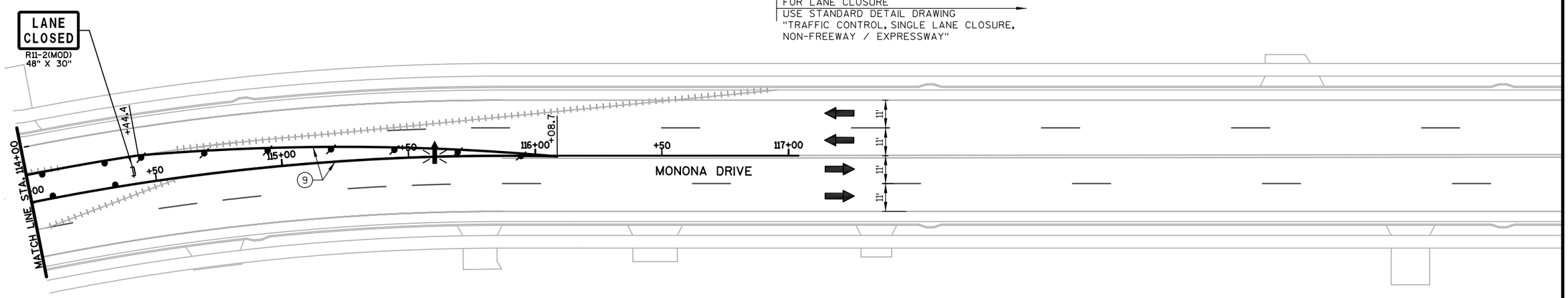
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 2	SHEET 229	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

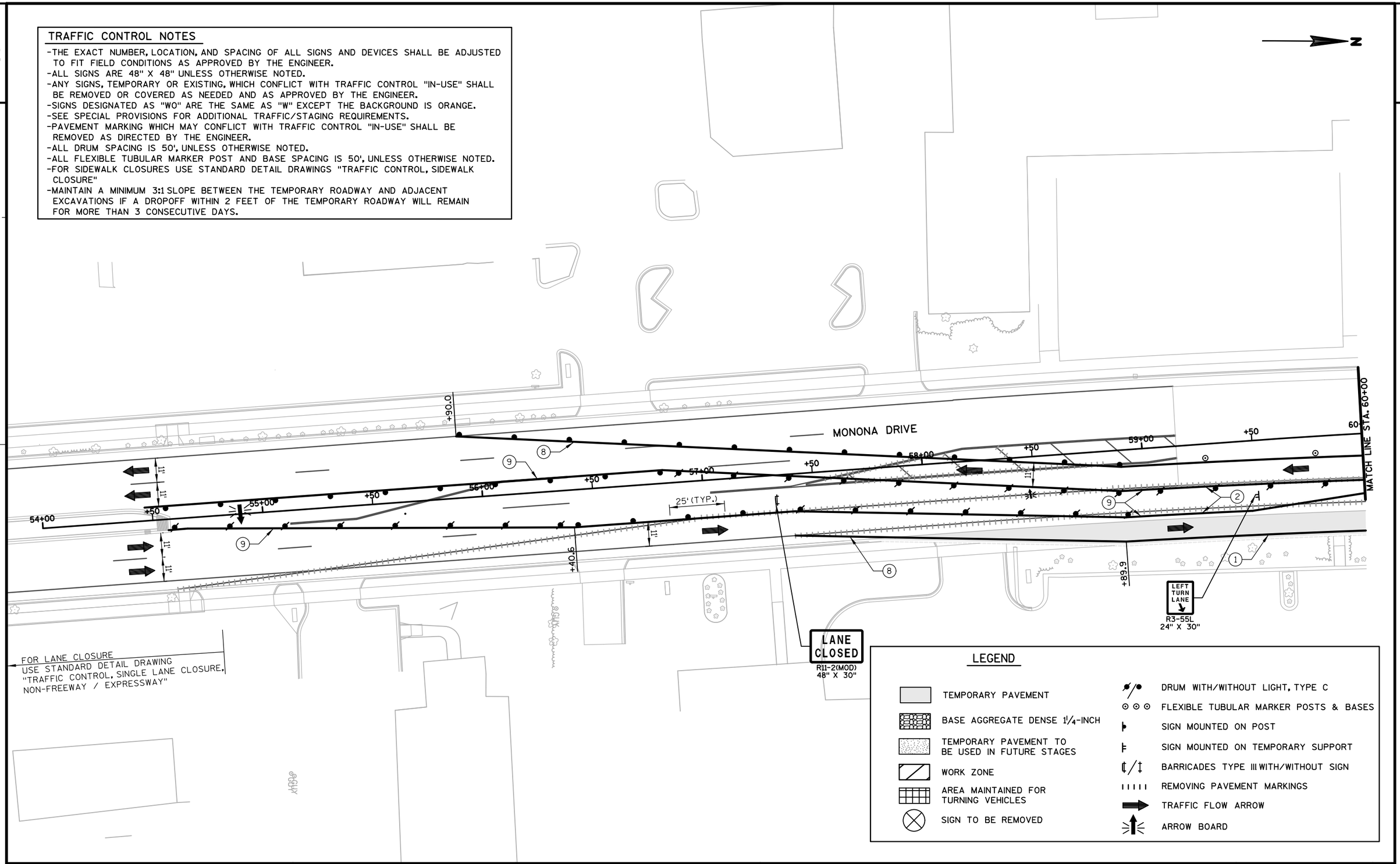


LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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LEGEND

- TEMPORARY PAVEMENT
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- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE I & PHASE II	SHEET 231	E

TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
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MATCH LINE STA. 8+50 N

NICHOLS RD.

N 00+60

ROAD CLOSED
R11-2
48" X 30"

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

E5-9
MOVE SIGN TO HERE
REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 3 PHASE III

SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
E5-23
MOVE SIGN TO HERE
REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 3 PHASE III

E5-24 TRUCK ROUTE
E5-25
MOVE SIGNS TO HERE
REMOVE WHEN NEW SIGNS ARE INSTALLED PRIOR TO STAGE 3 PHASE III

E5-12
MOVE SIGN TO HERE
REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 3

MATCH LINE STA. 60+00

MATCH LINE STA. 66+00

MONONA DRIVE

25' (TYP.)

E5-26 SPEED LIMIT 30
MOVE SIGN TO HERE

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

PFLAUM RD.

N 00+60

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

25' (TYP.)

ROAD WORK AHEAD
W20-1

E5-3 TRUCK ROUTE
E5-4
MOVE SIGNS TO HERE

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

12+00

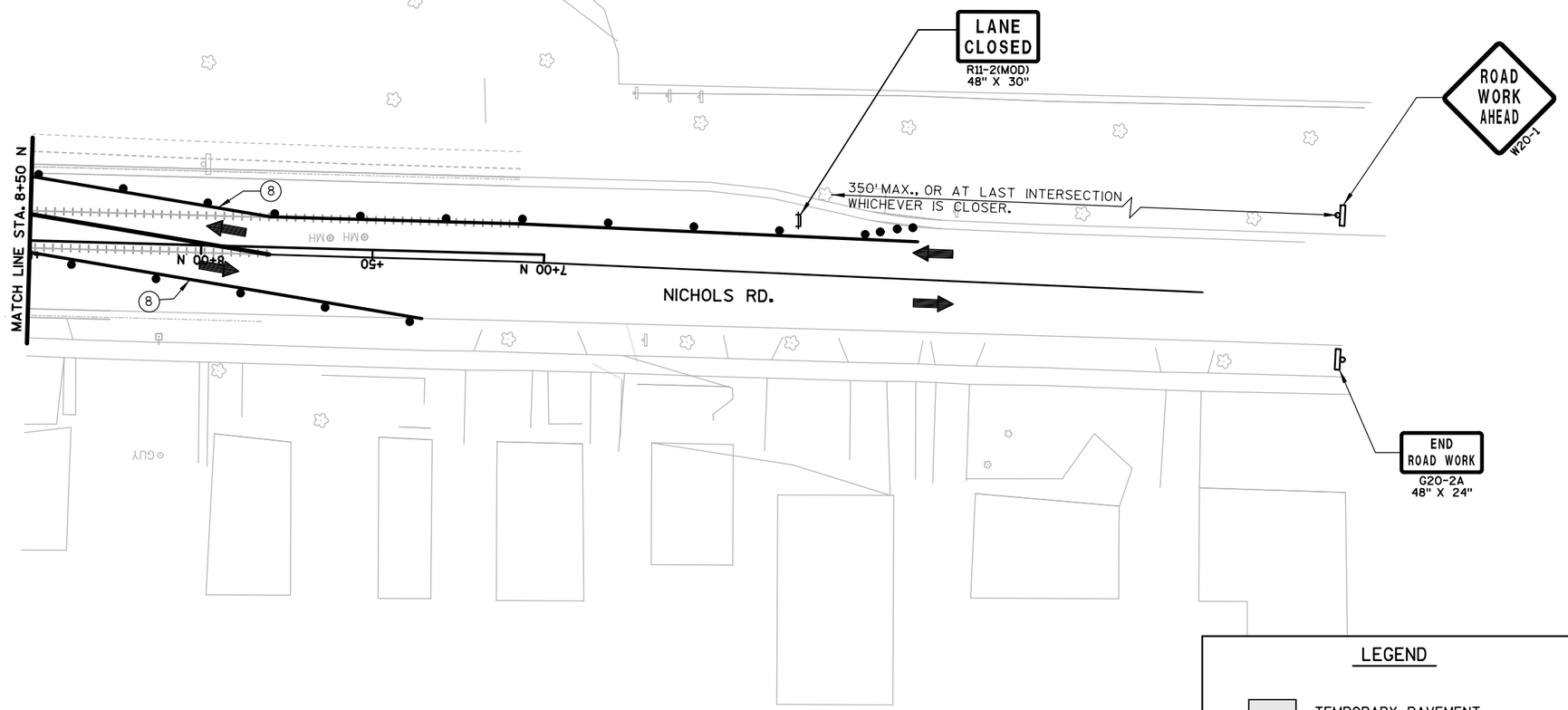
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
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- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE I	SHEET 232	E

TRAFFIC CONTROL NOTES

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LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE 1	SHEET 233	E

TRAFFIC CONTROL NOTES

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MATCH LINE STA. 8+50 N

NICHOLS RD.

N 00+60

N 00+00

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

E5-2

BIKE LANE

EXISTING SIGN TO BE MOVED
(SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)

ROAD CLOSED
R11-2
48" X 30"

SPEED LIMIT 30

E5-1

EXISTING SIGN TO BE MOVED

E5-1

SPEED LIMIT 30

MOVE SIGN TO HERE
REMOVE WHEN SIGN IS RE-INSTALLED PRIOR TO STAGE 3 PHASE III

MATCH LINE STA. 60+00

MONONA DRIVE

25'

11'

11'

1'

11'

10' (TYP.)

50' (TYP.)

25' (TYP.)

60+00 +50 61+00 +50 62+00 +50 63+00 +50 64+00 +50 65+00 +50 66+00

MATCH LINE STA. 66+00

POST

GUY

FLAG

MH

GV

PFLAUM RD.

N 00+00

350' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

ROAD WORK AHEAD
W20-1

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

LEGEND

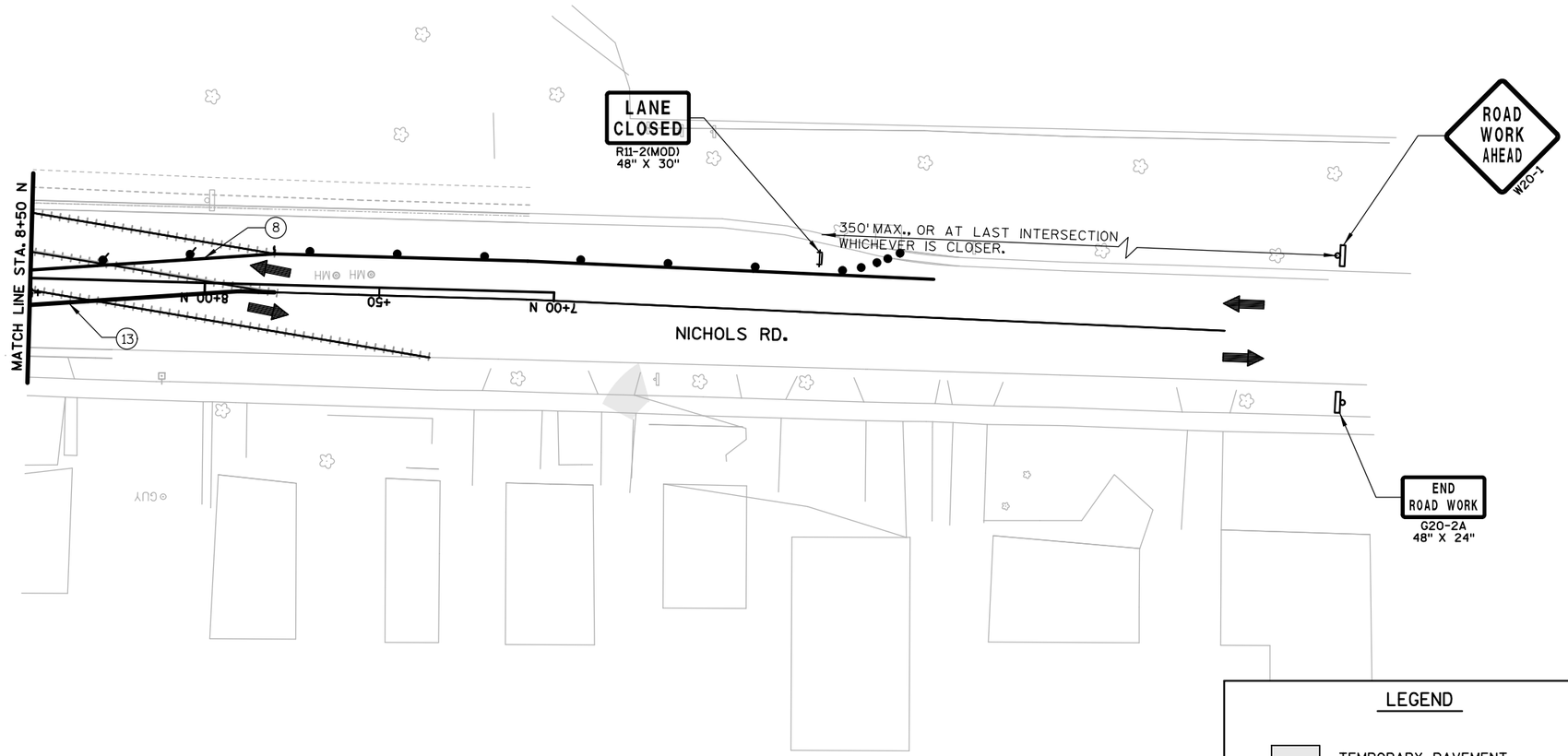
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- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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- DRUM WITH/WITHOUT LIGHT, TYPE C
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- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE II	SHEET 234	E

TRAFFIC CONTROL NOTES

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
- MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

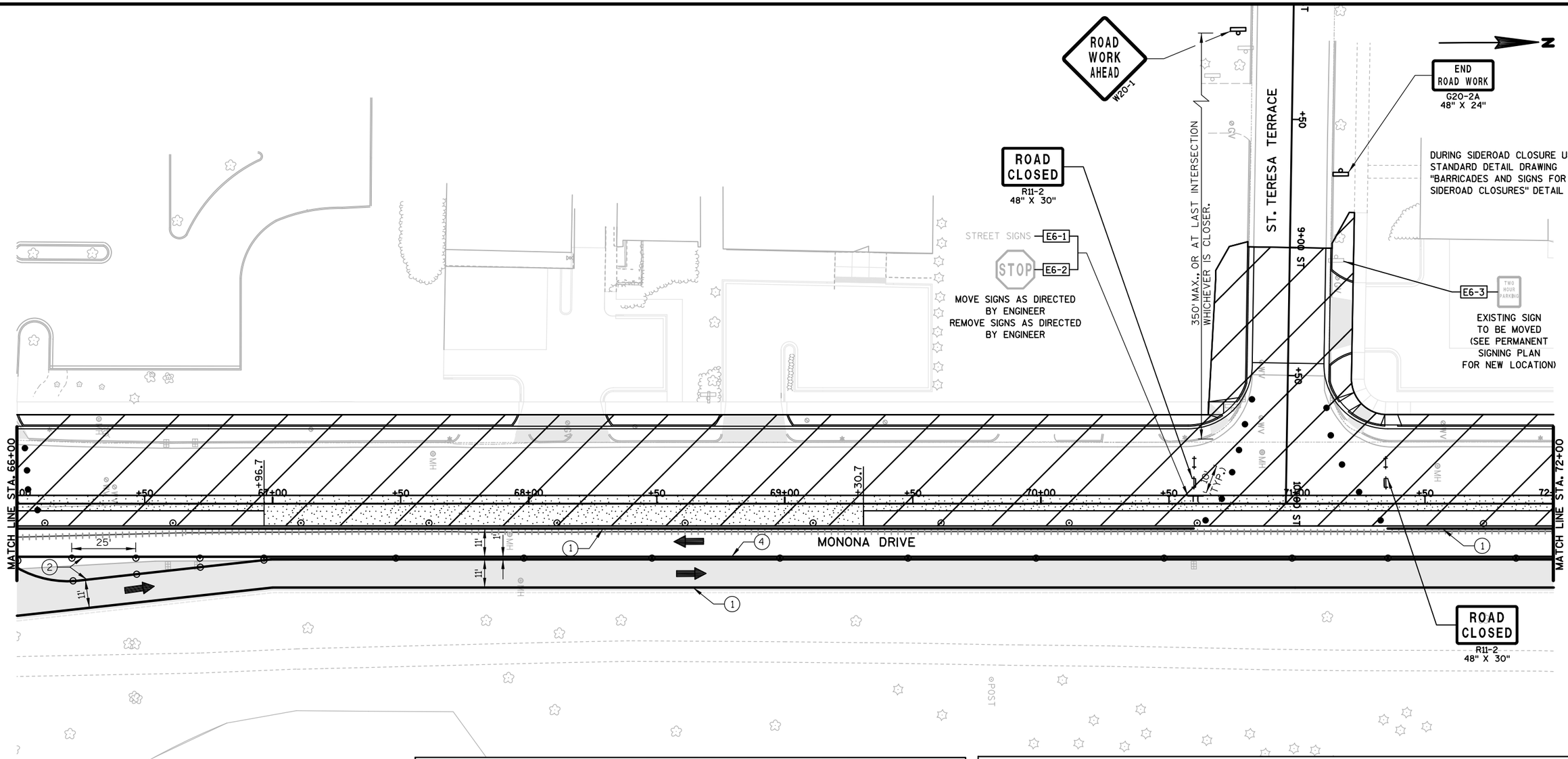
N



LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE II	SHEET 235	E



TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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LEGEND

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- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE I & PHASE II	SHEET 236	E

TRAFFIC CONTROL NOTES

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

MONONA DRIVE

54+00 +50 55+00 +50 56+00 +50 57+00 +50 58+00 +50 59+00 +50 60+00

+69.2 +88.9 +31.0 11'

25' (TYP.)

MATCH LINE STA. 60+00

LEFT TURN LANE
R3-55L
24" X 30"

ROAD CLOSED
R11-2
48" X 30" (2)

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

FOR LANE CLOSURE
USE STANDARD DETAIL DRAWING
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY"

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE III & PHASE IV	SHEET 237	E

TRAFFIC CONTROL NOTES

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N

ROAD WORK AHEAD W20-1

SEE PAVEMENT MARKING SHEET FOR ADDITIONAL DETAILS

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

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

NICHOLS RD.

25' (TYP.)

MONONA DRIVE

ROAD CLOSED R11-2 48" X 30"

10' (TYP.)

PFLAUM RD.

MATCH LINE STA. 60+00

MATCH LINE STA. 66+00

MATCH LINE STA. 11+50 N

E5-3 TRUCK ROUTE
E5-4

MOVE SIGNS TO HERE
REMOVE WHEN NEW SIGNS
ARE INSTALLED PRIOR TO STAGE 4

W01-4R

E5-26 SPEED LIMIT 30

MOVE SIGN TO HERE

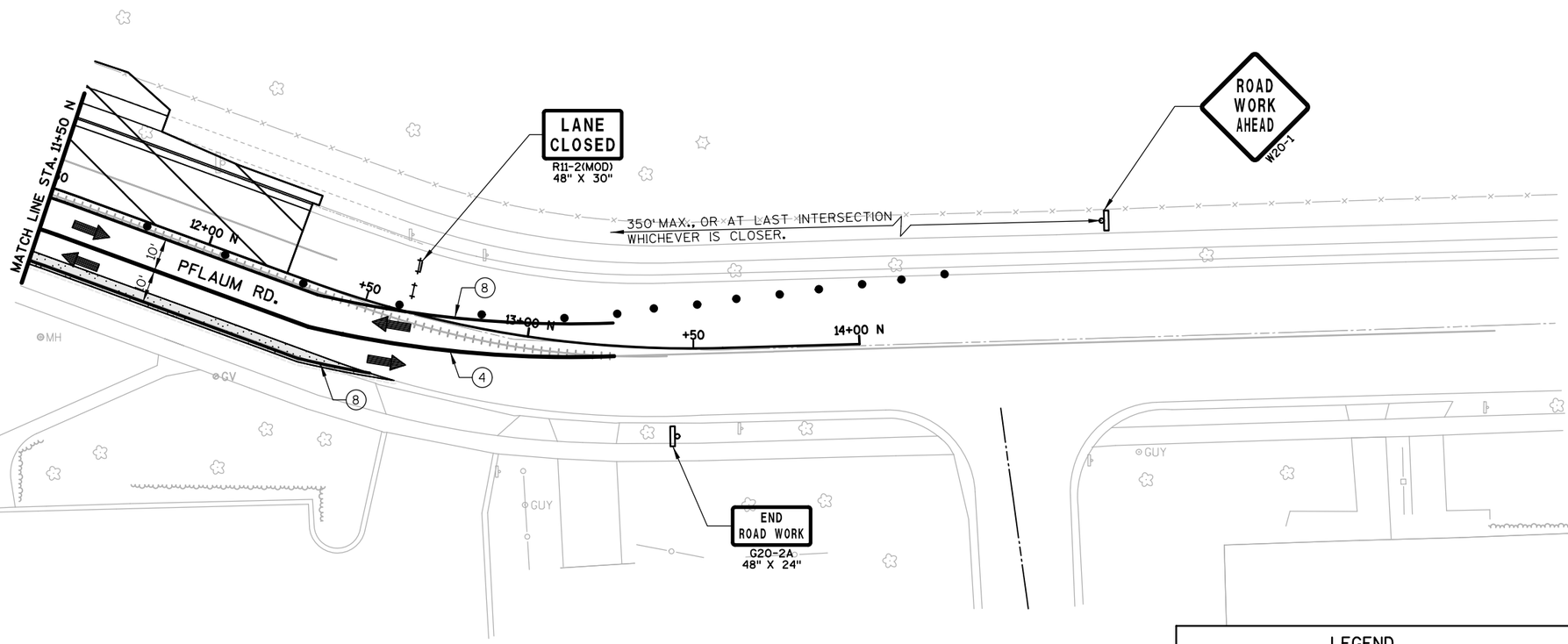
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE III	SHEET 238	E

TRAFFIC CONTROL NOTES

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-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.



LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
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- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE III	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026301_s3_1.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRAFFIC CONTROL NOTES

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- -FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
- -MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

SEE PAVEMENT MARKING SHEET FOR ADDITIONAL DETAILS

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

NICHOLS RD.

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

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

25' (TYP.)

N 00+50

N 00+11

MATCH LINE STA. 60+00

MATCH LINE STA. 66+00

MONONA DRIVE

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED R11-2 48" X 30"

W01-4R

PFLAUM RD.

MATCH LINE STA. 11+50 N

61+00 62+00 63+00 64+00 65+00 +50

11'

10'

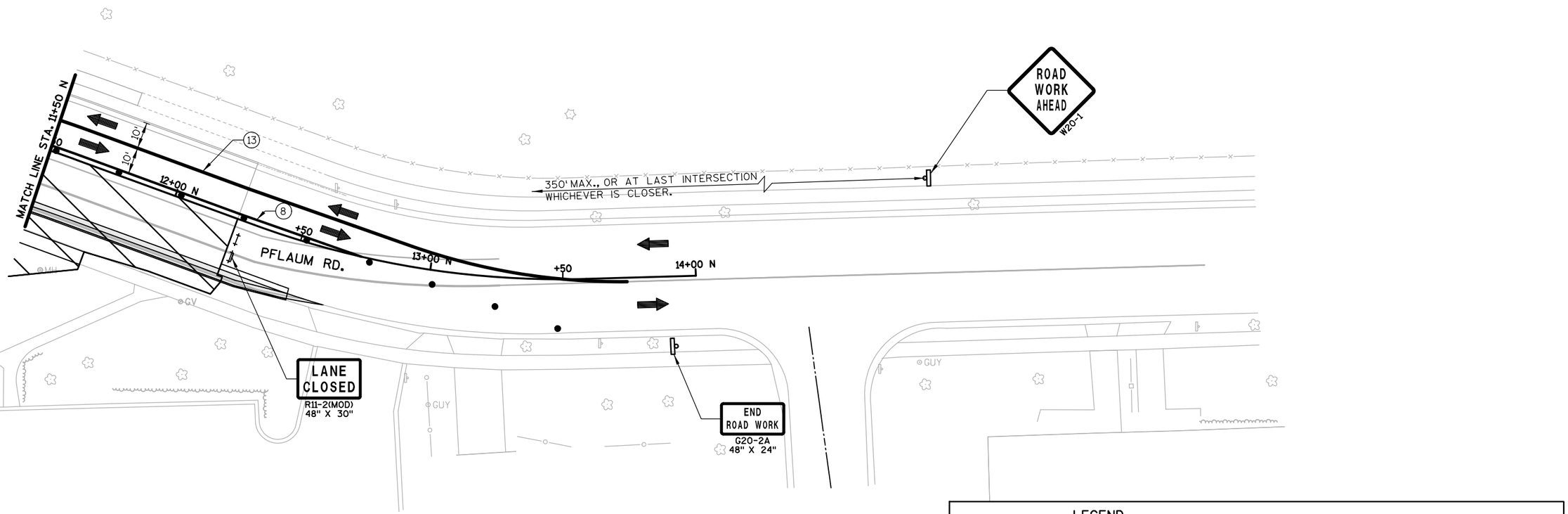
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE IV	SHEET 240	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

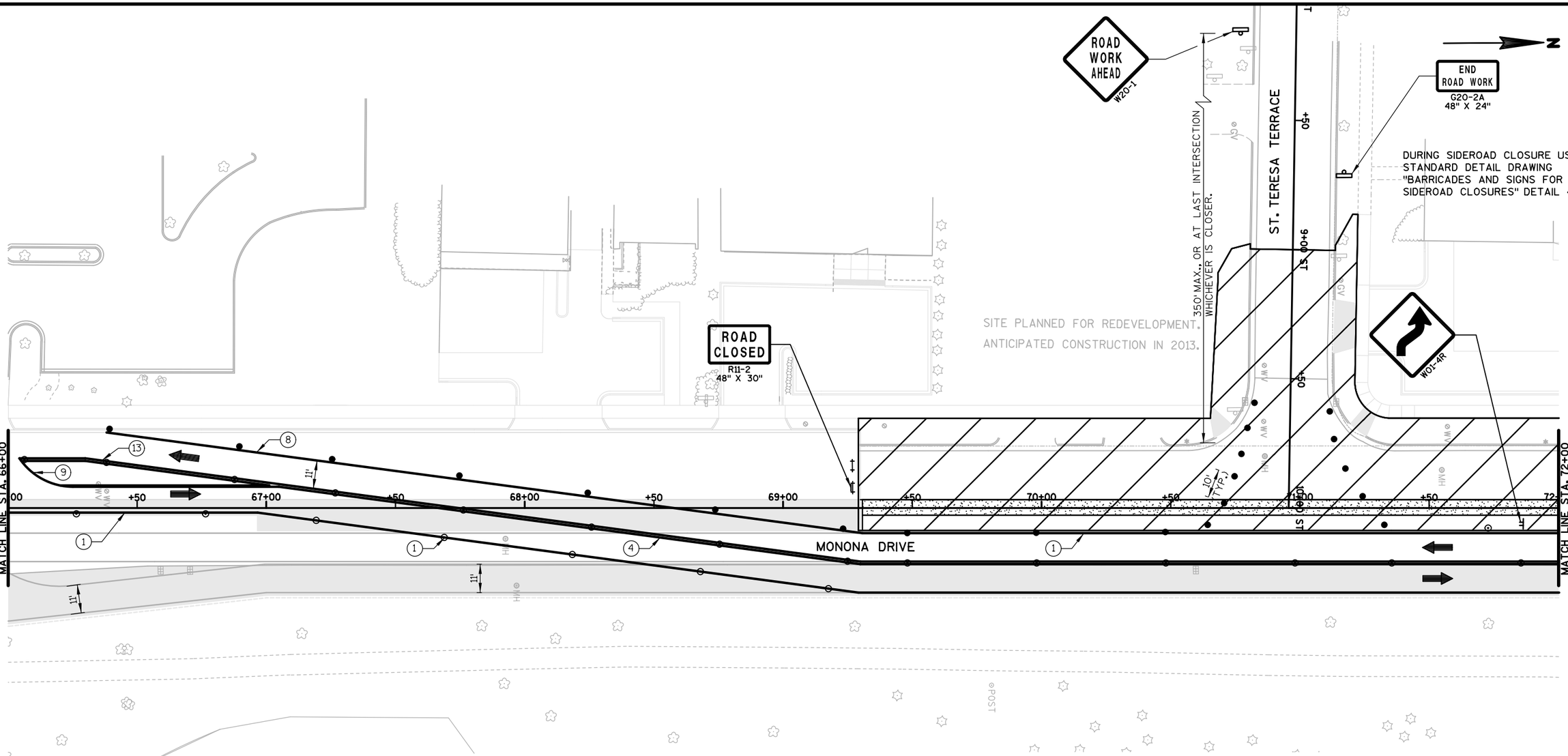


LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE IV	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026301_s3_k.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TRAFFIC CONTROL NOTES

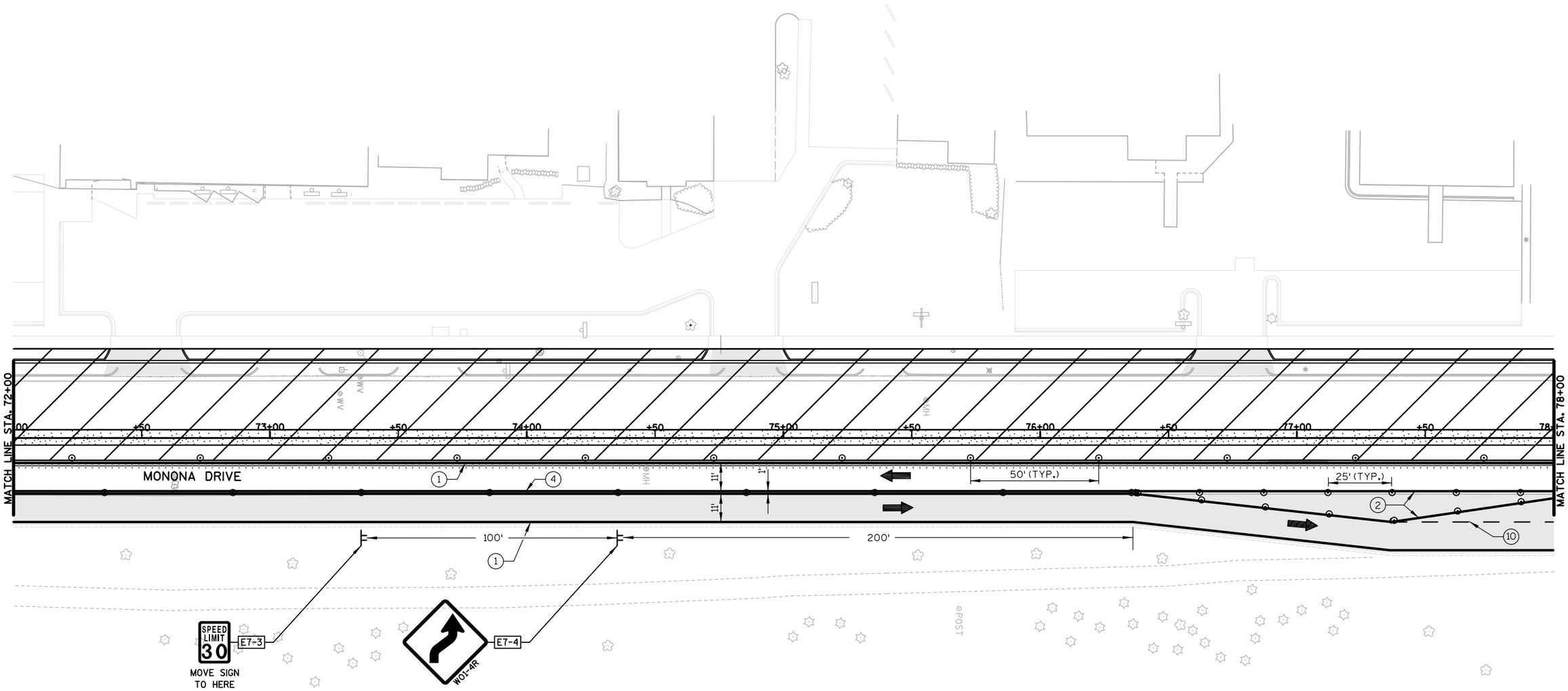
-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
-SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3 PHASE III & PHASE IV	SHEET 242	E

2



TRAFFIC CONTROL NOTES

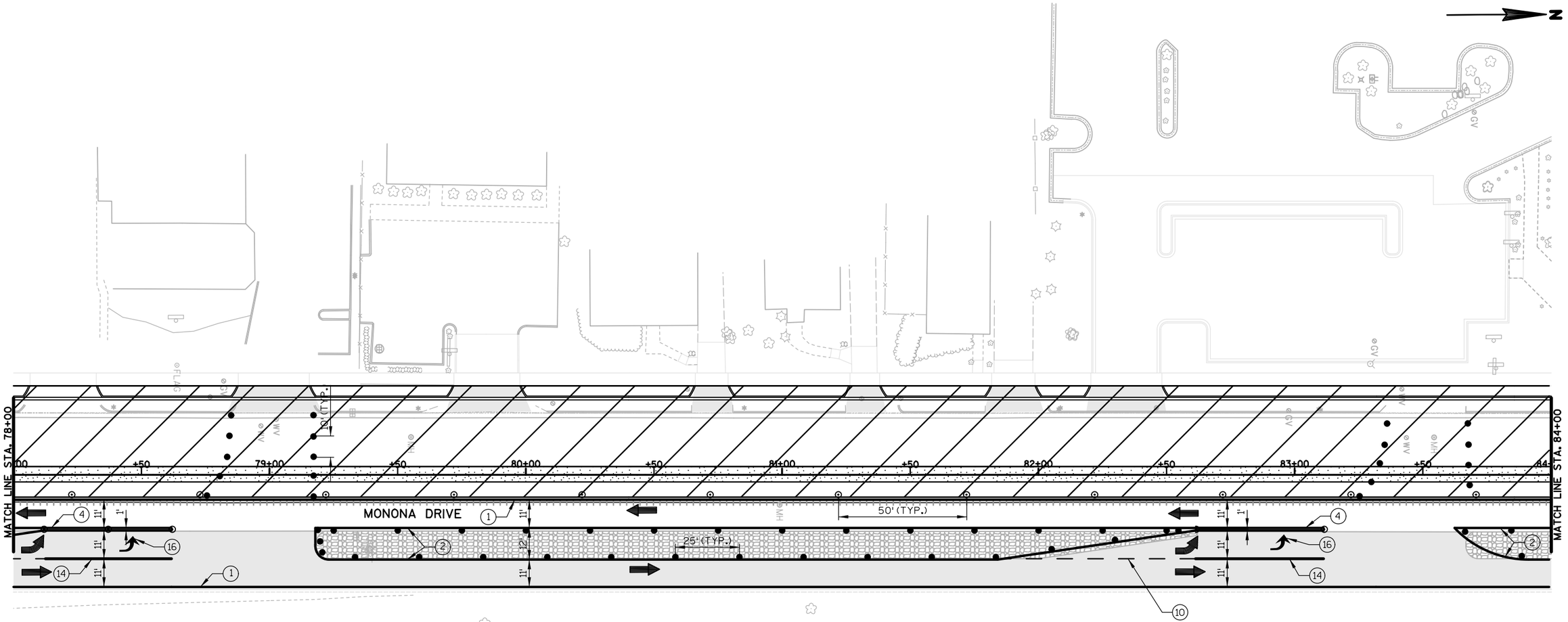
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LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3	SHEET 243	E

2



TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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.
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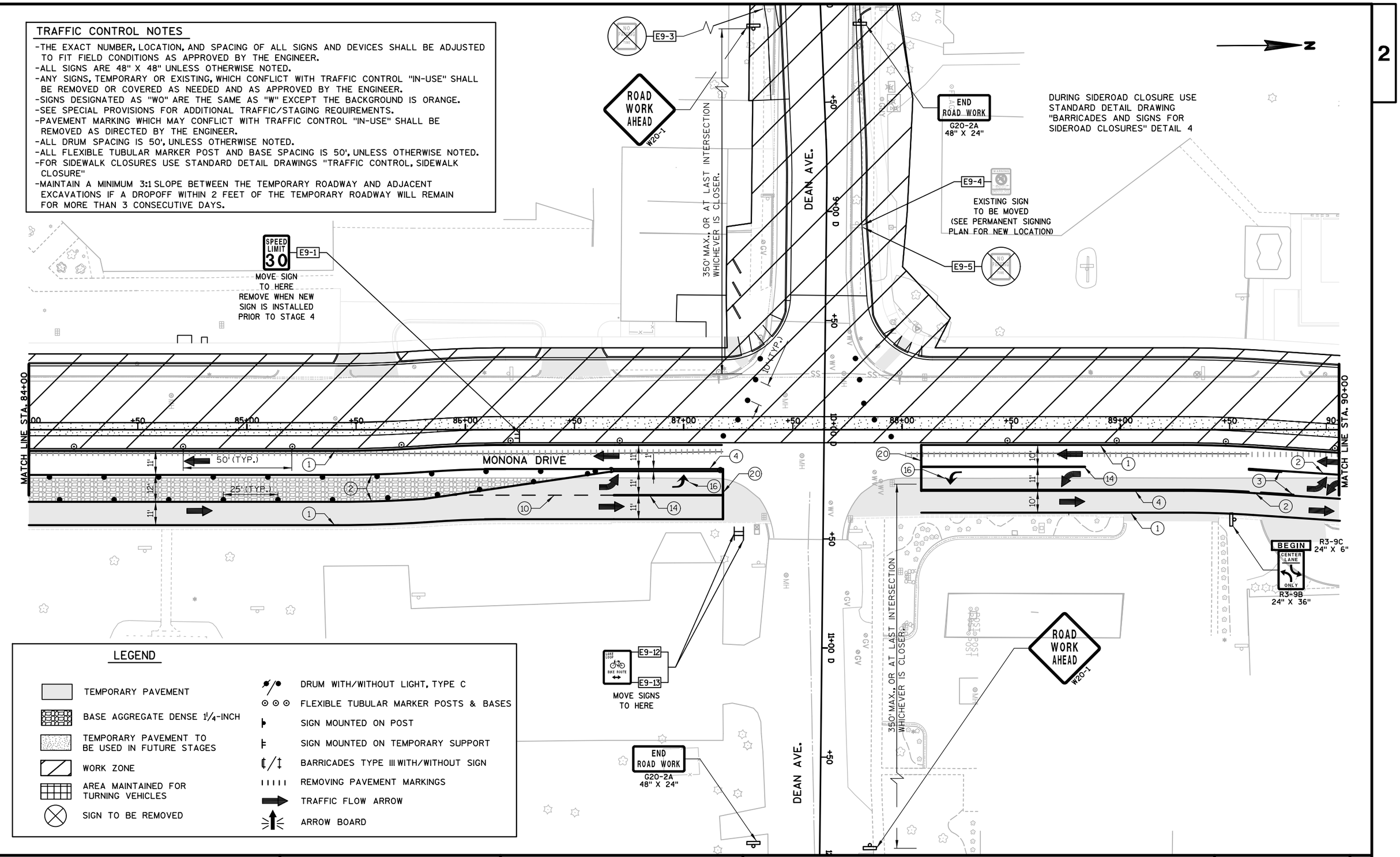
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3	SHEET 244	E

TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- -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.
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LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026306_s3.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

N

ROAD WORK AHEAD W20-1

STREET SIGNS E10-1, E10-2

STOP

MOVE SIGNS AS DIRECTED BY ENGINEER
REMOVE SIGNS AS DIRECTED BY ENGINEER

350' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

SPRINGHAVEN AVE.

DURING SIDEROAD CLOSURE USE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4

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

E10-3

MOVE SIGN TO HERE
REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 4

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

MATCH LINE STA. 90+00

MATCH LINE STA. 96+00

90+00 +50 91+00 +50 92+00 +50 93+00 +50 94+00 +50 95+00 +50 96

10' (TYP.)

MONONA DRIVE

50' (TYP.)

10' 11' 10'

CENTER LANE ONLY
R3-9B
24" X 36"

E10-6 STOP
MOVE SIGN AS DIRECTED BY ENGINEER

E10-7
MOVE SIGN TO HERE

SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
E10-4

REMOVE BARRELS ONCE MONONA GROVE HIGH SCHOOL PARKING LOT EXPANSION AND TEMPORARY CONNECTION IS COMPLETE

E10-10 STOP
MOVE SIGN AS DIRECTED BY ENGINEER

TRAFFIC CONTROL NOTES

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- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- -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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- -SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- -PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- -ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
- -ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
- -FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
- -MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3	SHEET 246	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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ROAD WORK AHEAD W20-1
STREET SIGNS E11-1
STOP E11-2
MOVE SIGNS AS DIRECTED BY ENGINEER REMOVE SIGNS AS DIRECTED BY ENGINEER
350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.
LOFTY AVE.
END ROAD WORK G20-2A 48" X 24"
DURING SIDEROAD CLOSURE USE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4
ROAD CLOSED R11-2 48" X 30"
E11-3 MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 4
BEGIN CENTER LANE ONLY R3-9B 24" X 36" R3-9C 24" X 6"
NO PARKING E11-6 EXISTING SIGN TO BE MOVED (SEE PERMANENT SIGNING PLAN FOR NEW LOCATION)
COLDSPRING AVE.
E11-8
E11-10 MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 4
MATCH LINE STA. 96+00
MATCH LINE STA. 102+00
MONONA DRIVE
50' (TYP.)
CENTER LANE ONLY R3-9B 24" X 36"
E11-11 MOVE SIGN TO HERE
END CENTER LANE ONLY R3-9D 24" X 6" R3-9B 24" X 36"
E11-12 MOVE SIGN TO HERE
E11-13 MOVE SIGN TO HERE
W01-4R
ROAD WORK AHEAD W20-1

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026308_s3.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

STREET SIGNS E12-5

STOP E12-6

MOVE SIGNS AS DIRECTED BY ENGINEER REMOVE SIGNS AS DIRECTED BY ENGINEER

SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT

E12-1

MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 4

E12-3

MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 4

DURING SIDEROAD CLOSURE USE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4

PARKWAY ST.

MONONA DRIVE

MATCH LINE STA. 102+00

MATCH LINE STA. 108+00

102+00 +50 103+00 +50 104+00 +50 105+00 +50 106+00 +50 107+00 +50 108

9+00 +50

50' (TYP.)

11' 1' 11'

14 10 1 4 1

W01-4R

W01-4R

HYD GUY DECID MH WV FLAG

TRAFFIC CONTROL NOTES

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LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3	SHEET 248	E

TRAFFIC CONTROL NOTES

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N

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

WINNEQUAH RD.

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

SPEED LIMIT 30 E13-1

MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 4

ROAD CLOSED R11-2 48" X 30"

MATCH LINE STA. 108+00

50' (TYP.)

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 113+00 +50 114+00

MATCH LINE STA. 114+00

+95.9 +51.0

25' (TYP.)

11' 11' 11' 11' 11' 11' 4'

MONONA DRIVE

1 4 8 10 12 13

ROAD WORK AHEAD W20-1

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

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

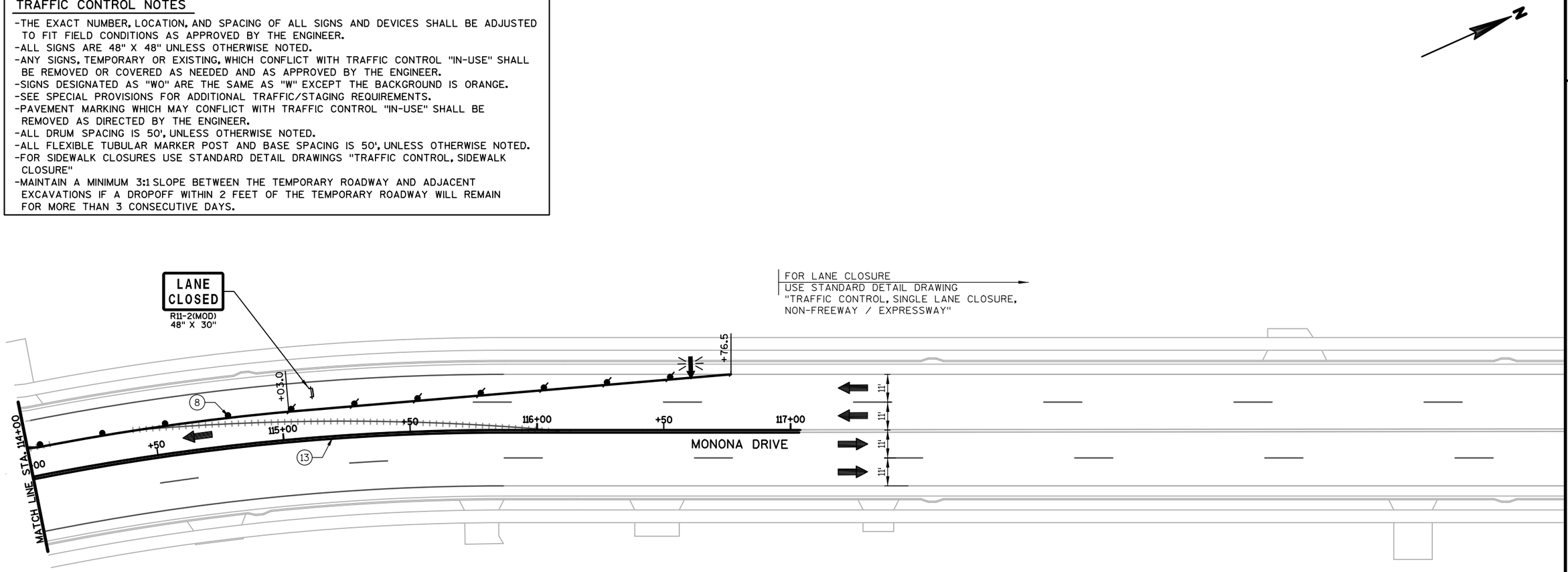
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 3	SHEET 249	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.



LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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N

MONONA DRIVE

54+00 +50 55+00 +50 56+00 +50 57+00 +50 58+00 +50 59+00 +50 60+00

+55.1 +69.2 +88.9 +90.1

11' 10' 10'

25' (TYP.) 25' (TYP.)

MATCH LINE STA. 60+00

LEFT TURN LANE
R3-56
24" X 30"

F

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

ROAD CLOSED
R11-2
48" X 30"

FOR LANE CLOSURE
USE STANDARD DETAIL DRAWING
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY"

LEGEND

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- BASE AGGREGATE DENSE 1¼-INCH
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- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
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- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 251	E

TRAFFIC CONTROL NOTES

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N

NICHOLS RD.

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

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

SEE PAVEMENT MARKING SHEET FOR ADDITIONAL DETAILS

MONONA DRIVE

MATCH LINE STA. 60+00

MATCH LINE STA. 66+00

61+00 62+00 63+00 64+00 65+00

50'

10' TYP.

ROAD CLOSED R11-2 48" X 30"

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

SEE PAVEMENT MARKING SHEET FOR ADDITIONAL DETAILS

PFLAUM RD.

N 00+11

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

ROAD WORK AHEAD W20-1

ROAD CLOSED R11-2 48" X 30"

END CENTER LANE ONLY R3-9D 24" X 6"

R3-9B 24" X 36"

SPEED LIMIT 30 E5-26

MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 5

R3-9C 24" X 6"

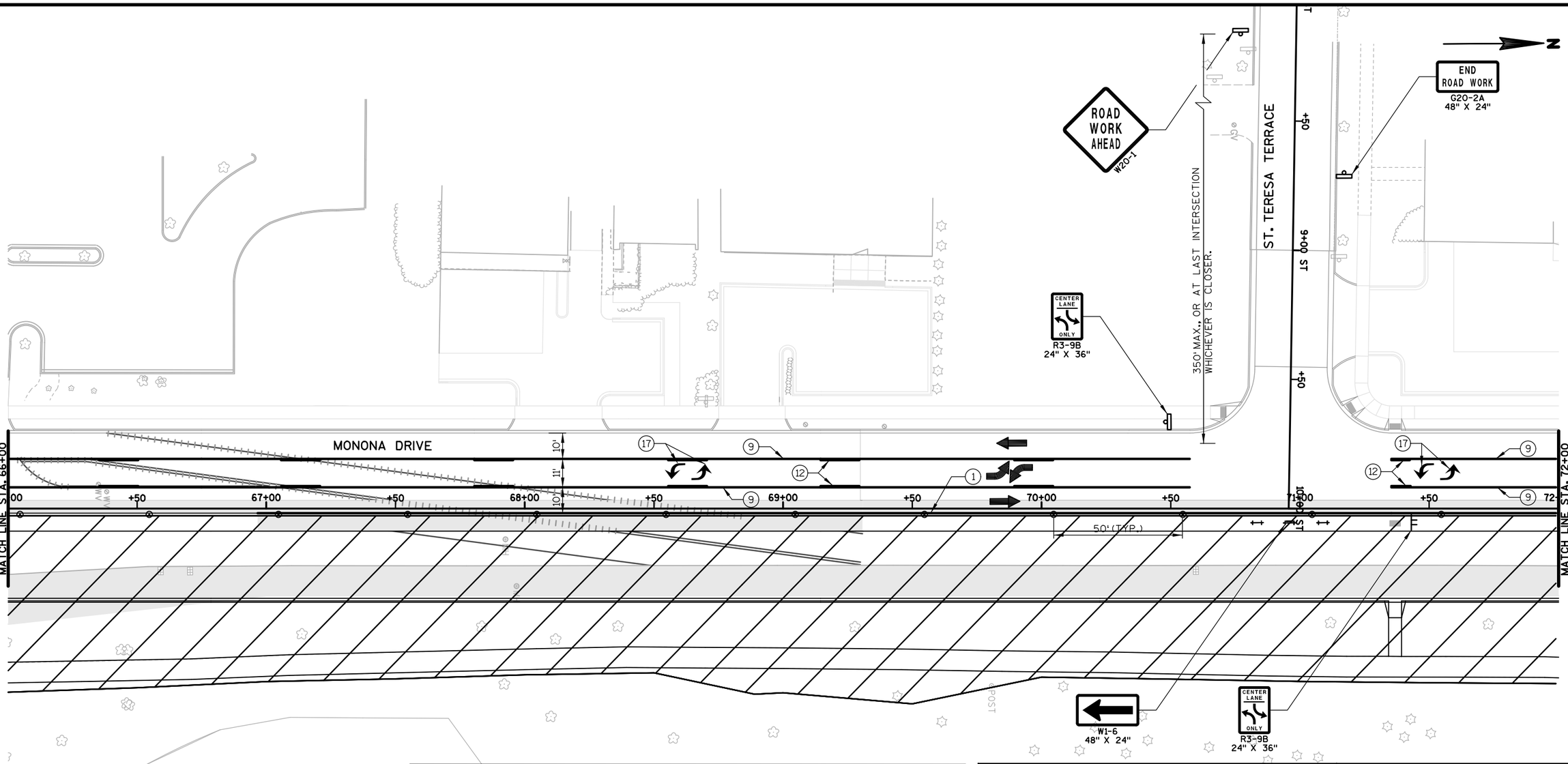
BEGIN CENTER LANE ONLY R3-9B 24" X 36"

LEGEND

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- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 252	E

2



TRAFFIC CONTROL NOTES

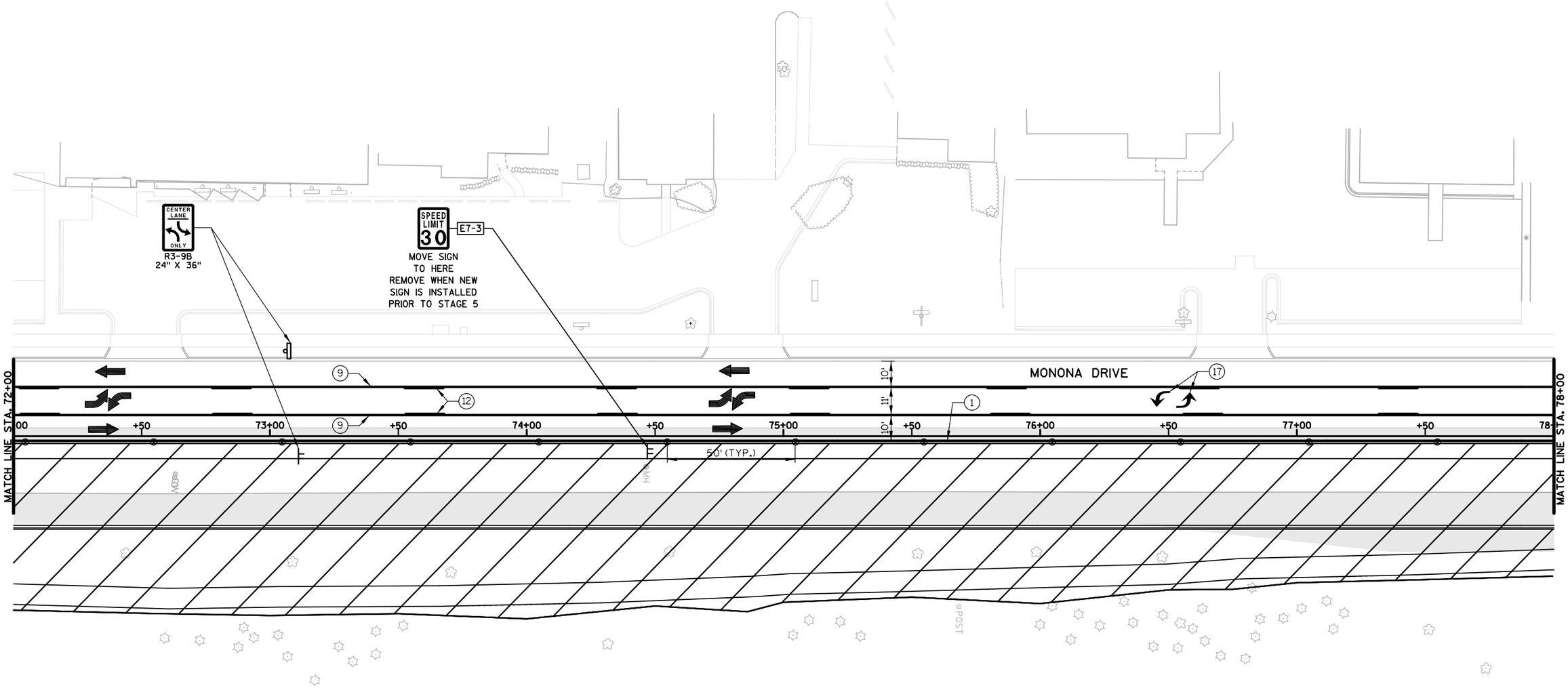
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 253	E

2



TRAFFIC CONTROL NOTES

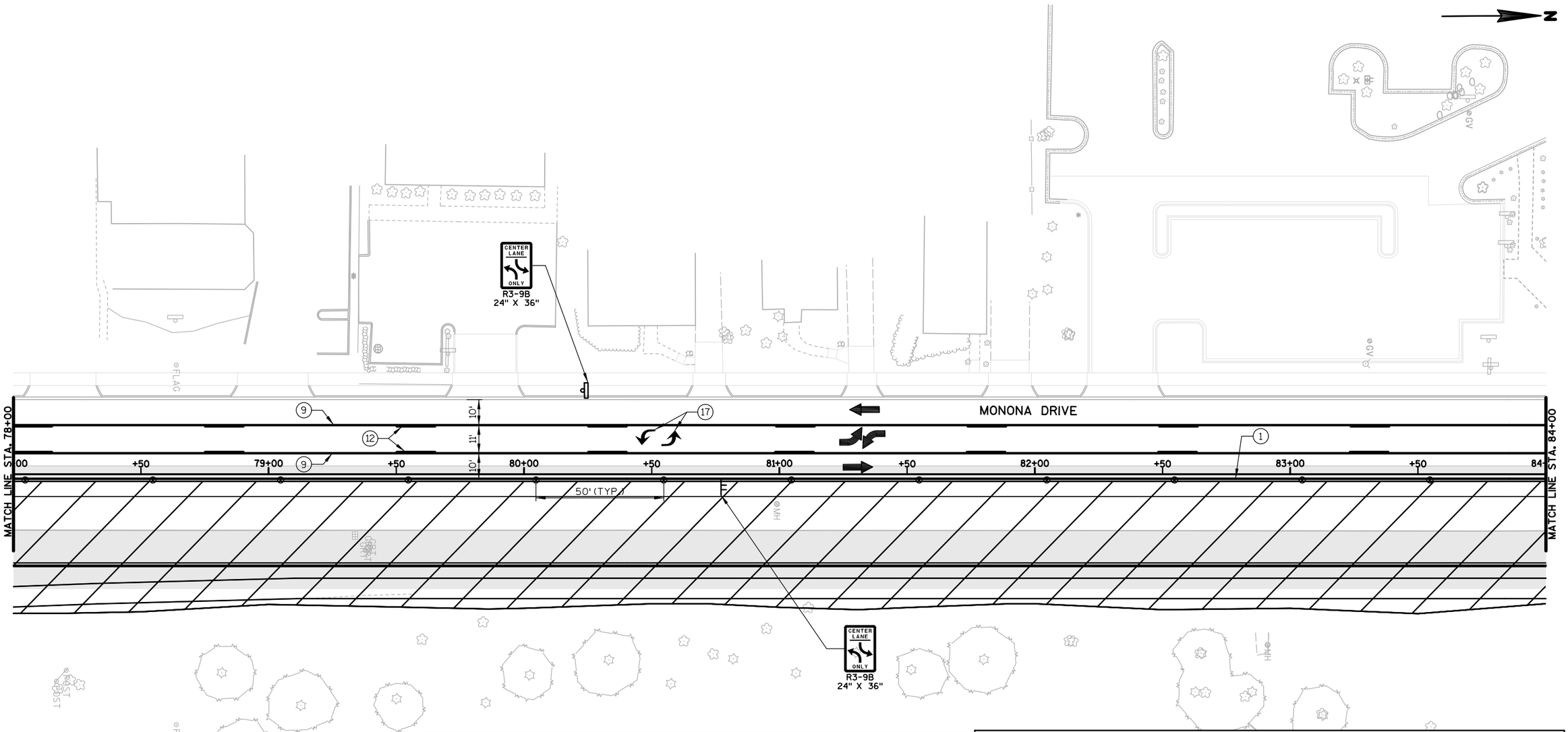
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 254	E

2



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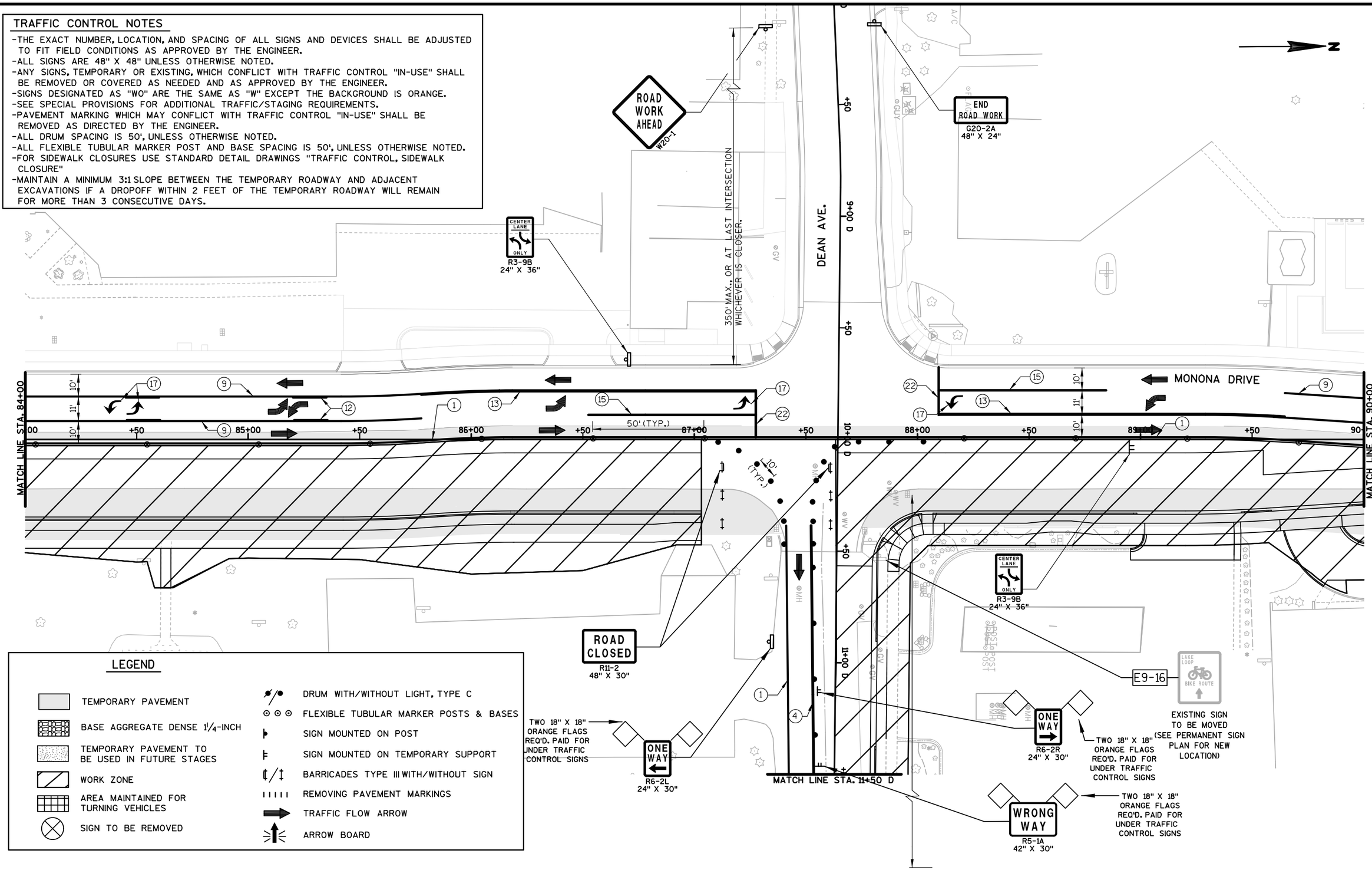
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET	E

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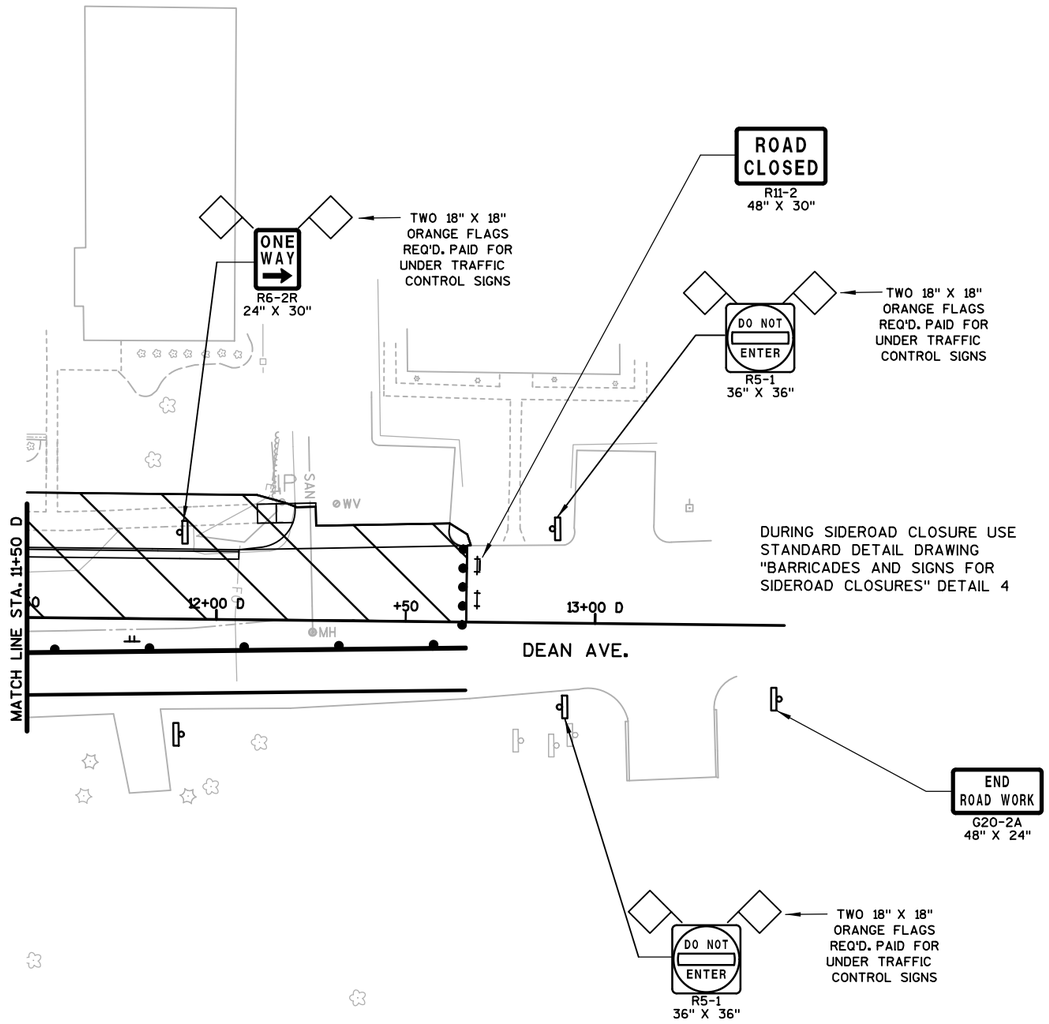


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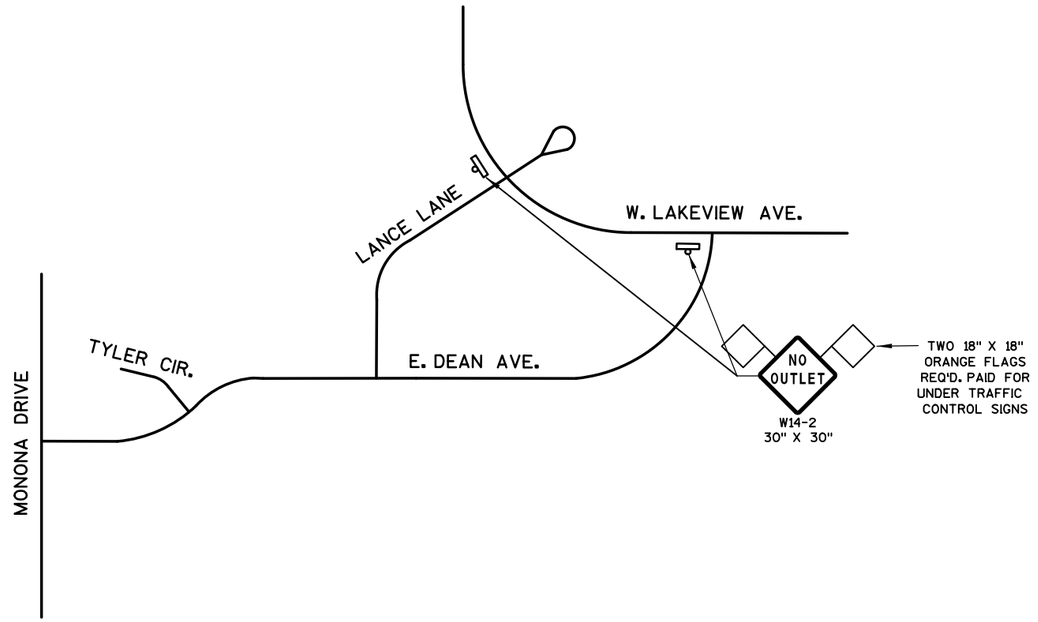
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4 PHASE I	SHEET E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026406_s4_P1.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



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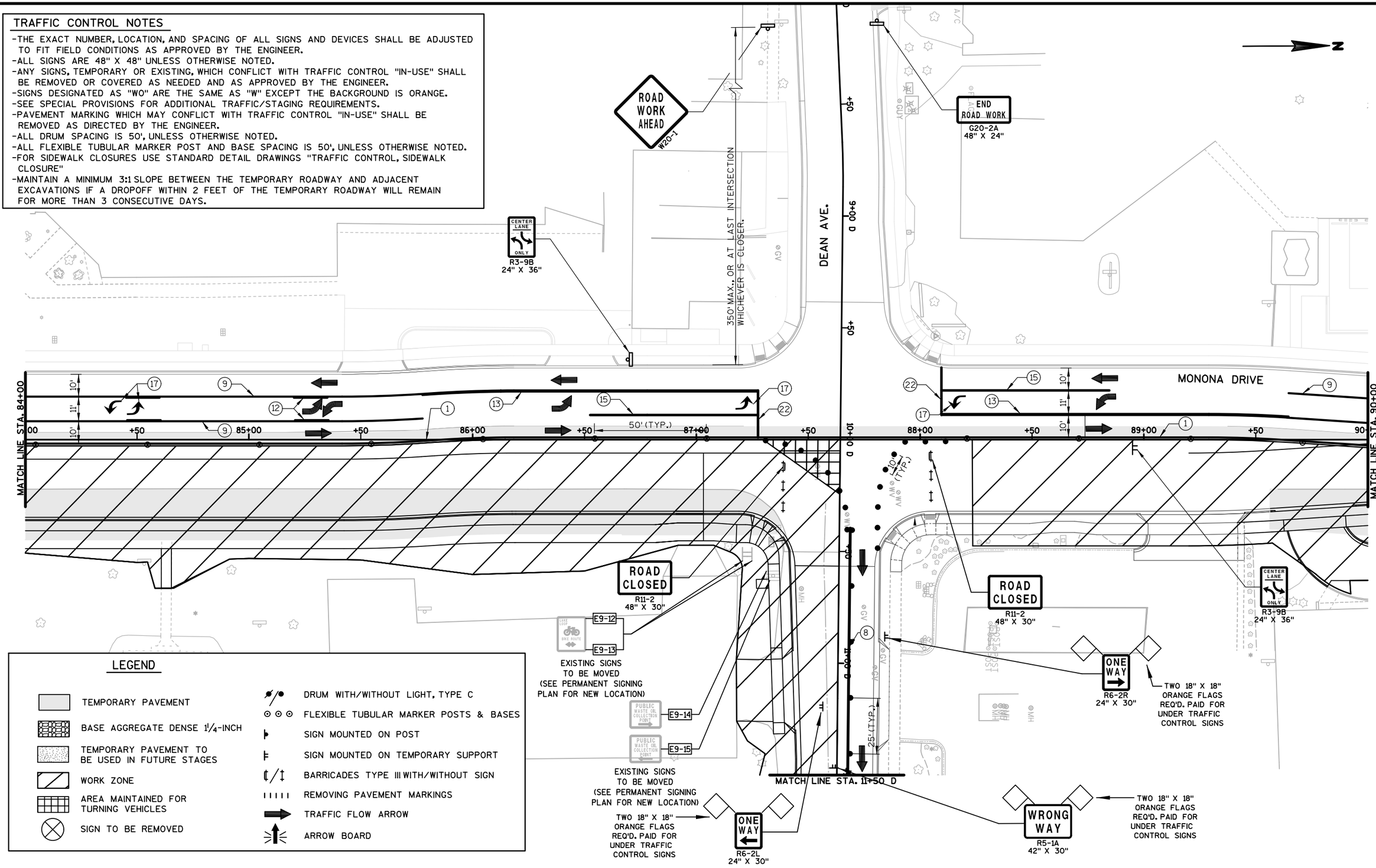


LEGEND

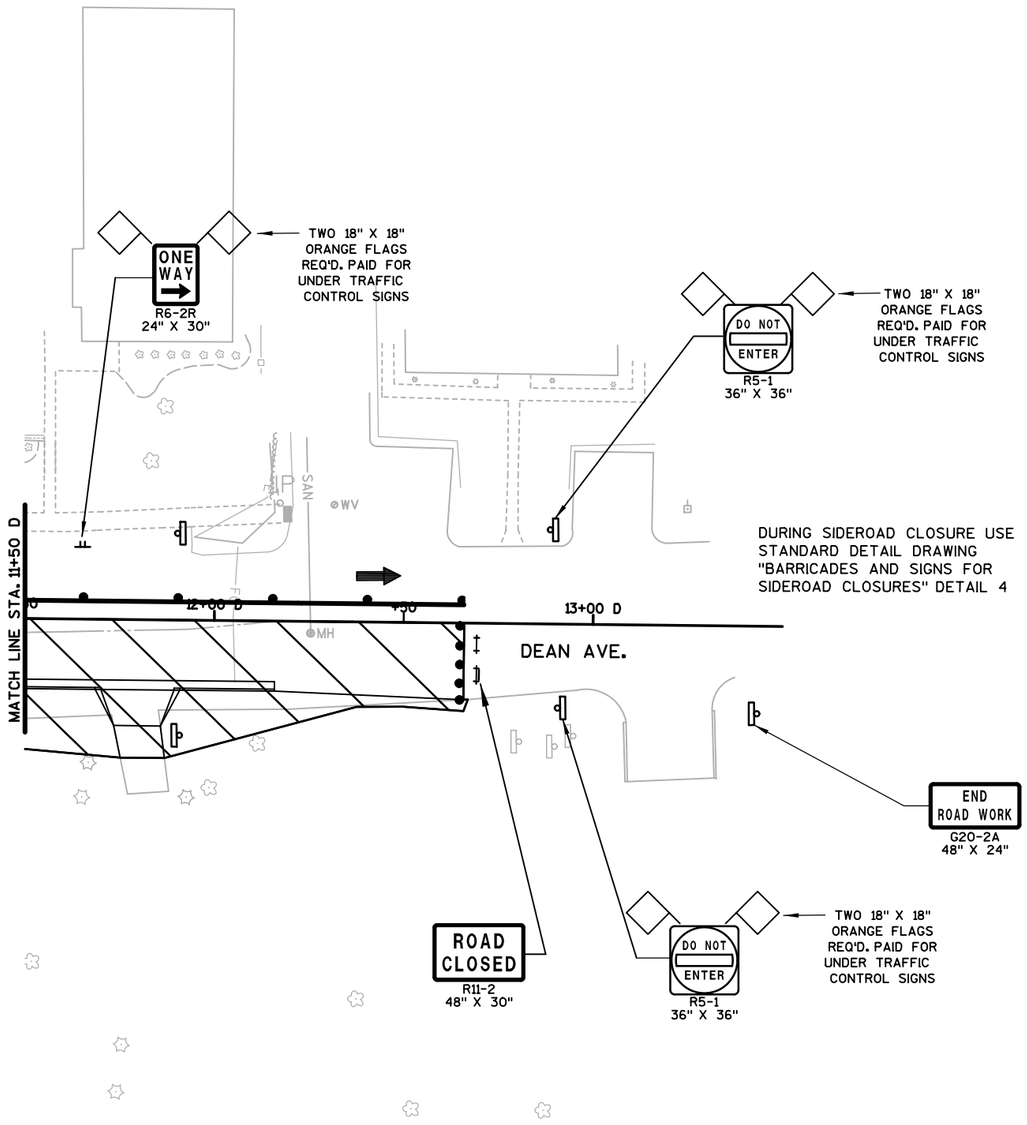
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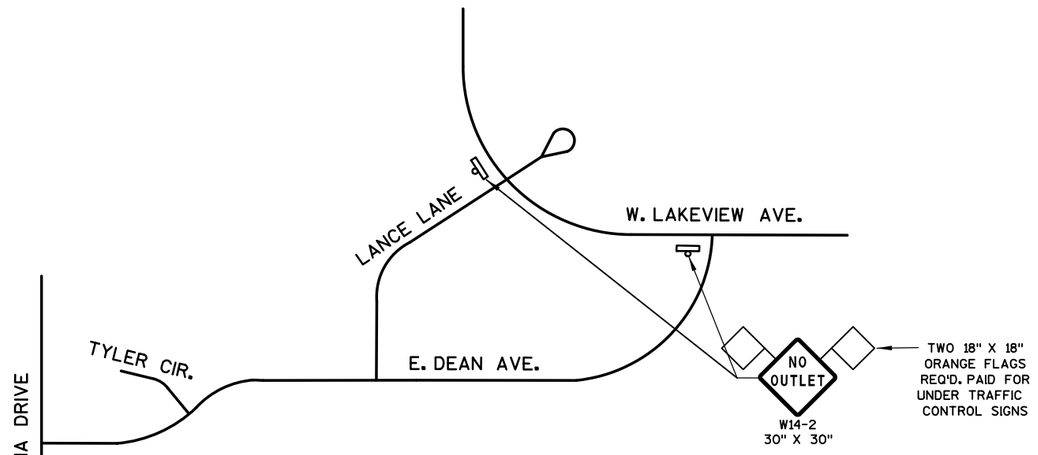


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4 PHASE II	SHEET 258	E



TRAFFIC CONTROL NOTES

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N

ROAD WORK AHEAD
W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

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

SPRINGHAVEN AVE.

CENTER LANE ONLY
R3-9B
24" X 36"

E10-7
MOVE SIGN TO HERE
REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 5

SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
E10-4
MOVE SIGN TO HERE
REMOVE SIGN WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 5

MONONA DRIVE

MATCH LINE STA. 90+00

MATCH LINE STA. 96+00

90+00 91+00 92+00 93+00 94+00 95+00 96+00 +50

10' 11' 10' (TYP.)

50' (TYP.)

10' (TYP.)

W1-6
48" X 24"

CENTER LANE ONLY
R3-9B
24" X 36"

E10-6 STOP
MOVE SIGN AS DIRECTED BY ENGINEER
REMOVE SIGN AS DIRECTED BY ENGINEER

SH 00+00

SH 00+50

SH 01+00

E10-10 STOP
MOVE SIGN AS DIRECTED BY ENGINEER
REMOVE SIGN AS DIRECTED BY ENGINEER

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 260	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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.
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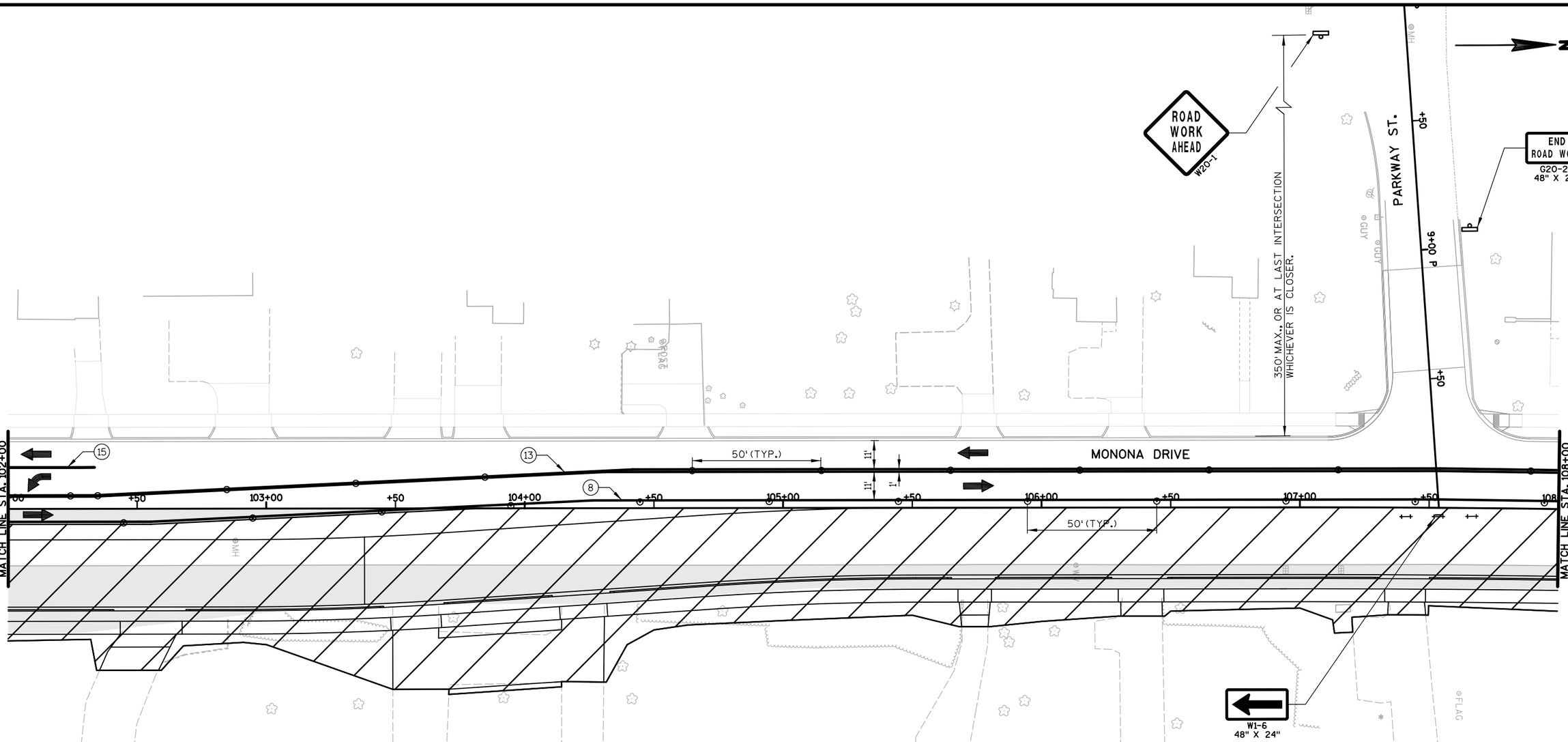
ROAD WORK AHEAD W20-1
350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.
LOFTY AVE.
END ROAD WORK G20-2A 48" X 24"
CENTER LANE ONLY R3-9B 24" X 36"
W1-6 48" X 24"
MONONA DRIVE
COLDSPRING AVE.
MATCH LINE STA. 96+00
MATCH LINE STA. 102+00
50' (TYP.)
E11-11 MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 5
E11-12 MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 5
R3-9D 24" X 6" END CENTER LANE ONLY
E11-13 MOVE SIGN TO HERE REMOVE WHEN NEW SIGN IS INSTALLED PRIOR TO STAGE 5
ROAD CLOSED R11-2 48" X 30"
E11-15
E11-17
END ROAD WORK G20-2A 48" X 24"
DURING SIDEROAD CLOSURE USE STANDARD DETAIL DRAWING "BARRICADE AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4
W01-4R
ROAD WORK AHEAD W20-1

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 261 E

2



TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
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- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
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- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 262	E

LEGEND

- TEMPORARY PAVEMENT
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- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
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- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

N

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

WINNEQUAH RD.

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

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

MONONA DRIVE

MATCH LINE STA. 108+00

50' (TYP.)

11'

1'

108+00 109+00 110+00 111+00 112+00 113+00 114+00

+50

+00.0

25' (TYP.)

10' (TYP.)

MATCH LINE STA. 114+00

W01-4R

ROAD CLOSED R11-2 48" X 30"

ROAD CLOSED R11-2 48" X 30"

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

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

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

TRAFFIC CONTROL NOTES

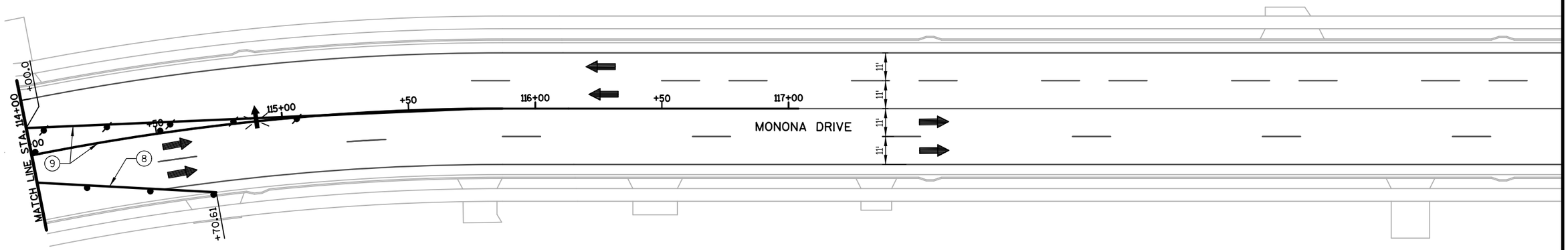
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 4	SHEET 263	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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FOR LANE CLOSURE
USE STANDARD DETAIL DRAWING
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY"



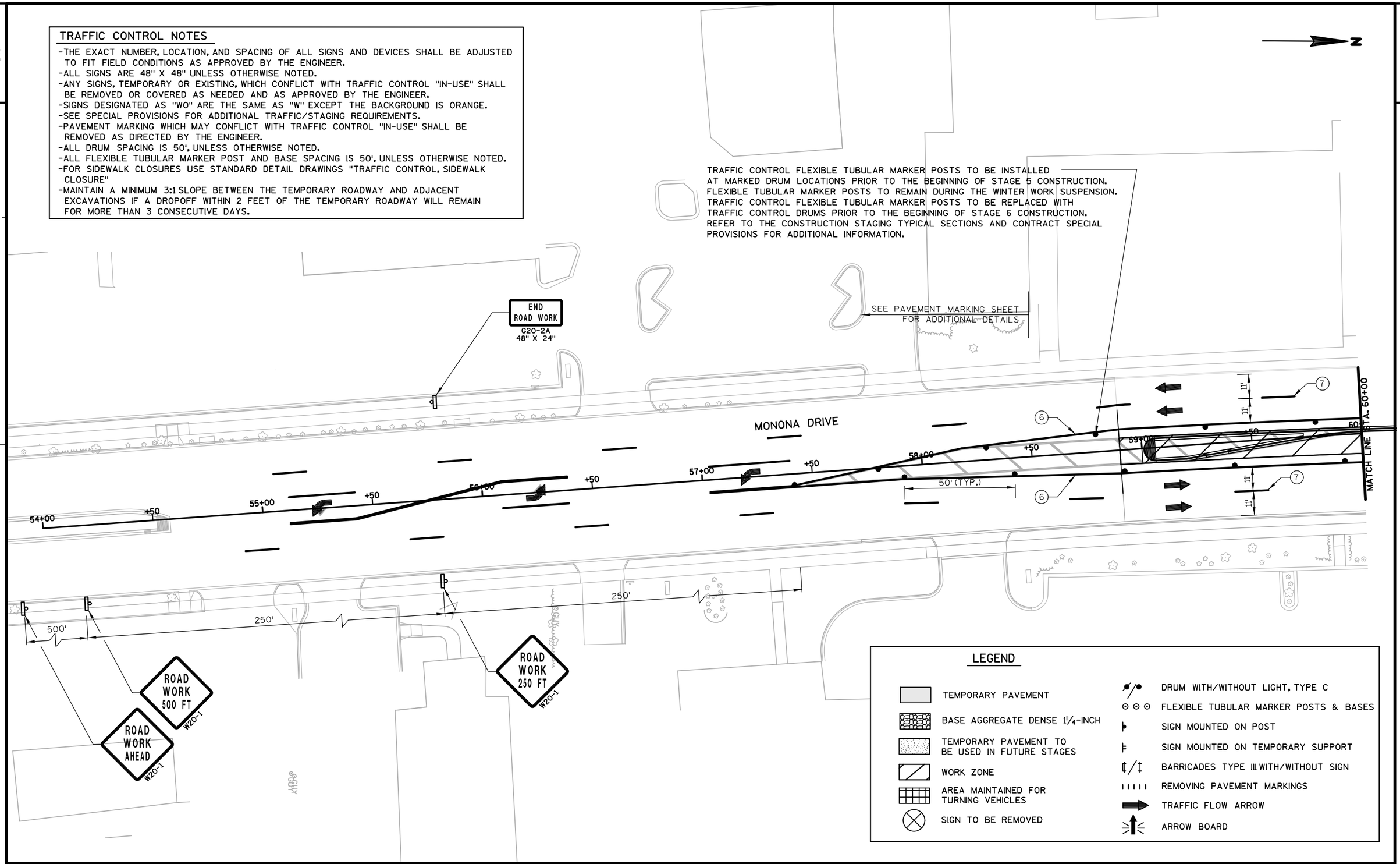
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
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TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE INSTALLED AT MARKED DRUM LOCATIONS PRIOR TO THE BEGINNING OF STAGE 5 CONSTRUCTION. FLEXIBLE TUBULAR MARKER POSTS TO REMAIN DURING THE WINTER WORK SUSPENSION. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE REPLACED WITH TRAFFIC CONTROL DRUMS PRIOR TO THE BEGINNING OF STAGE 6 CONSTRUCTION. REFER TO THE CONSTRUCTION STAGING TYPICAL SECTIONS AND CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 265	E

TRAFFIC CONTROL NOTES

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ROAD WORK AHEAD W20-1

350' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

NICHOLS RD.

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

MATCH LINE STA. 60+00

MATCH LINE STA. 66+00

50' (TYP.)

11'

MAINTAIN MEDIAN OPENING, SEE DETAIL.

MONONA DRIVE

10' (TYP.)

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE INSTALLED AT MARKED DRUM LOCATIONS PRIOR TO THE BEGINNING OF STAGE 5 CONSTRUCTION. FLEXIBLE TUBULAR MARKER POSTS TO REMAIN DURING THE WINTER WORK SUSPENSION. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE REPLACED WITH TRAFFIC CONTROL DRUMS PRIOR TO THE BEGINNING OF STAGE 6 CONSTRUCTION. REFER TO THE CONSTRUCTION STAGING TYPICAL SECTIONS AND CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

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

PFLAUM RD.

350' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

ROAD WORK AHEAD W20-1

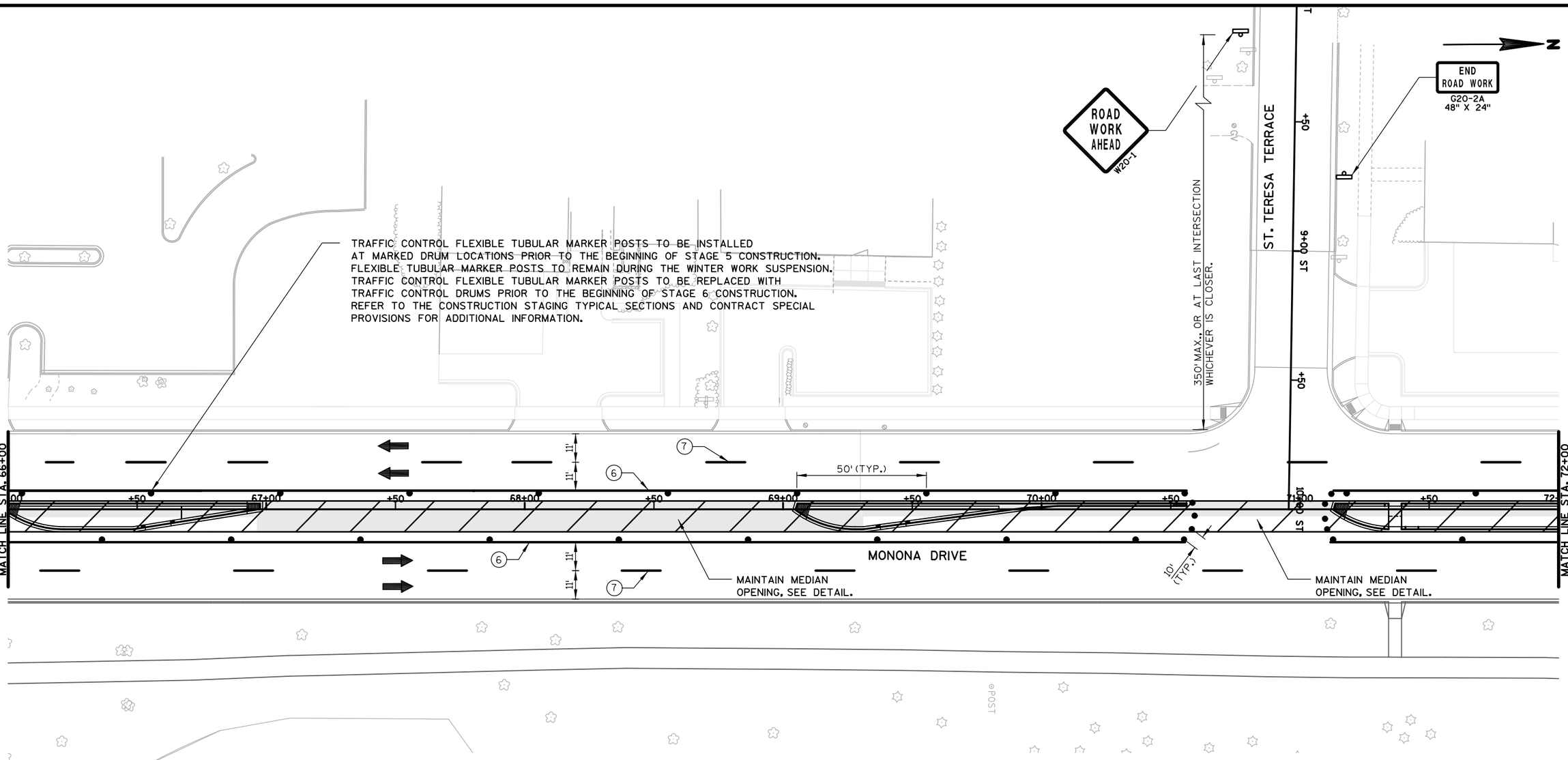
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
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- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 266	E

2

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE INSTALLED AT MARKED DRUM LOCATIONS PRIOR TO THE BEGINNING OF STAGE 5 CONSTRUCTION. FLEXIBLE TUBULAR MARKER POSTS TO REMAIN DURING THE WINTER WORK SUSPENSION. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE REPLACED WITH TRAFFIC CONTROL DRUMS PRIOR TO THE BEGINNING OF STAGE 6 CONSTRUCTION. REFER TO THE CONSTRUCTION STAGING TYPICAL SECTIONS AND CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



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LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
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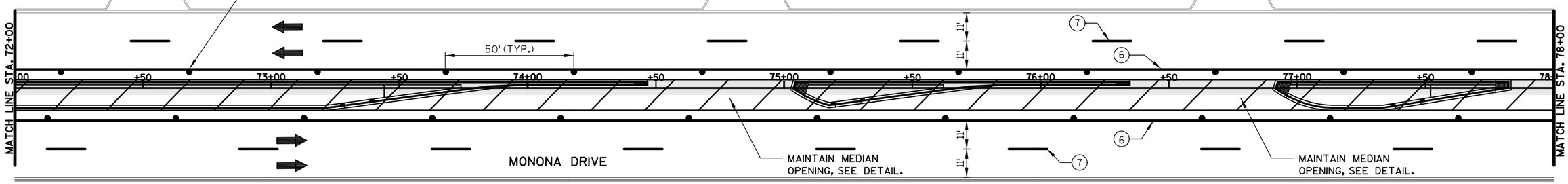
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET	E

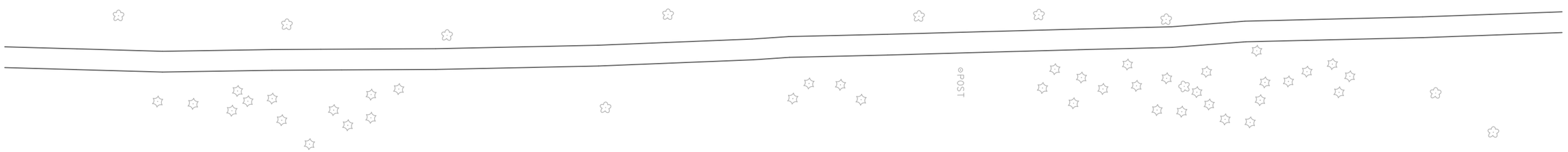
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026603_s6.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE INSTALLED AT MARKED DRUM LOCATIONS PRIOR TO THE BEGINNING OF STAGE 5 CONSTRUCTION. FLEXIBLE TUBULAR MARKER POSTS TO REMAIN DURING THE WINTER WORK SUSPENSION. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE REPLACED WITH TRAFFIC CONTROL DRUMS PRIOR TO THE BEGINNING OF STAGE 6 CONSTRUCTION. REFER TO THE CONSTRUCTION STAGING TYPICAL SECTIONS AND CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.





TRAFFIC CONTROL NOTES

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LEGEND

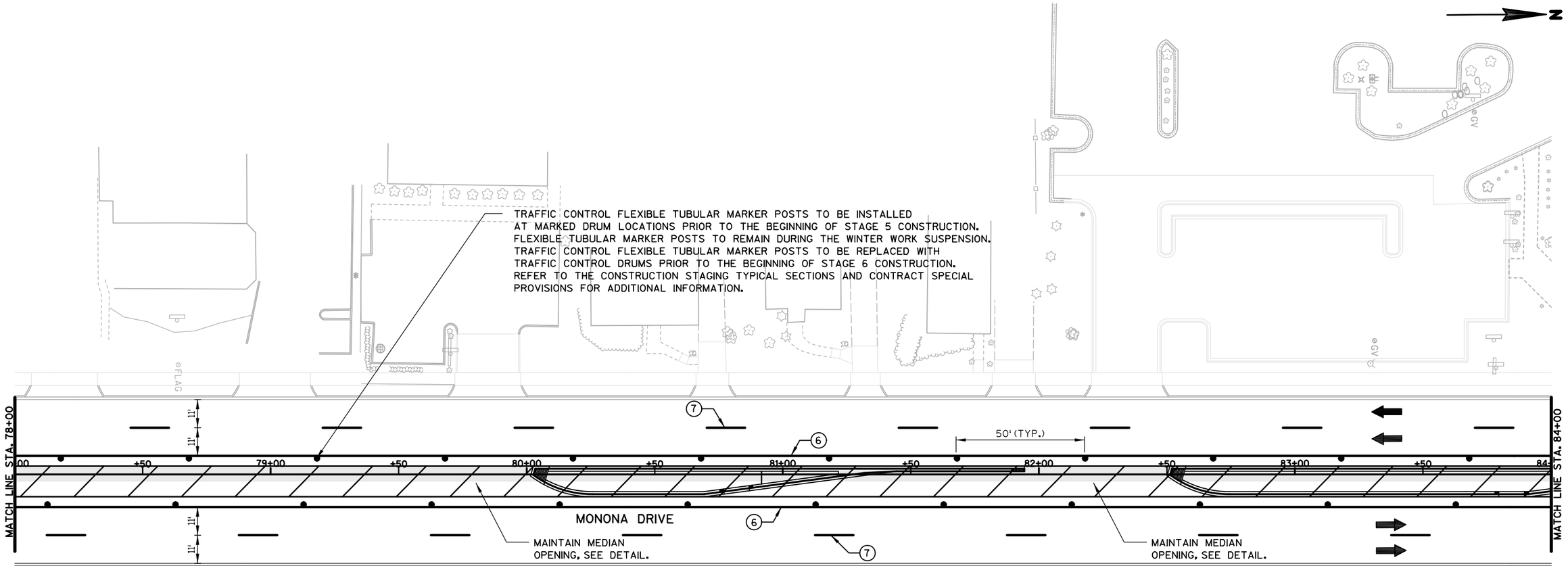
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- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 268	E

2

N

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE INSTALLED AT MARKED DRUM LOCATIONS PRIOR TO THE BEGINNING OF STAGE 5 CONSTRUCTION. FLEXIBLE TUBULAR MARKER POSTS TO REMAIN DURING THE WINTER WORK SUSPENSION. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE REPLACED WITH TRAFFIC CONTROL DRUMS PRIOR TO THE BEGINNING OF STAGE 6 CONSTRUCTION. REFER TO THE CONSTRUCTION STAGING TYPICAL SECTIONS AND CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



TRAFFIC CONTROL NOTES

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-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 269	E

TRAFFIC CONTROL NOTES

-THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
-ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
-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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
-SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
-PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
-ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
-ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
-FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
-MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE INSTALLED AT MARKED DRUM LOCATIONS PRIOR TO THE BEGINNING OF STAGE 5 CONSTRUCTION. FLEXIBLE TUBULAR MARKER POSTS TO REMAIN DURING THE WINTER WORK SUSPENSION. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE REPLACED WITH TRAFFIC CONTROL DRUMS PRIOR TO THE BEGINNING OF STAGE 6 CONSTRUCTION. REFER TO THE CONSTRUCTION STAGING TYPICAL SECTIONS AND CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

DEAN AVE.

MAINTAIN MEDIAN OPENING, SEE DETAIL.

MATCH LINE STA. 84+00

STAGE 5

TO BE INSTALLED PRIOR TO WINTER WORK SUSPENSION

FOR LANE CLOSURE USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY / EXPRESSWAY"

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

MONONA DRIVE

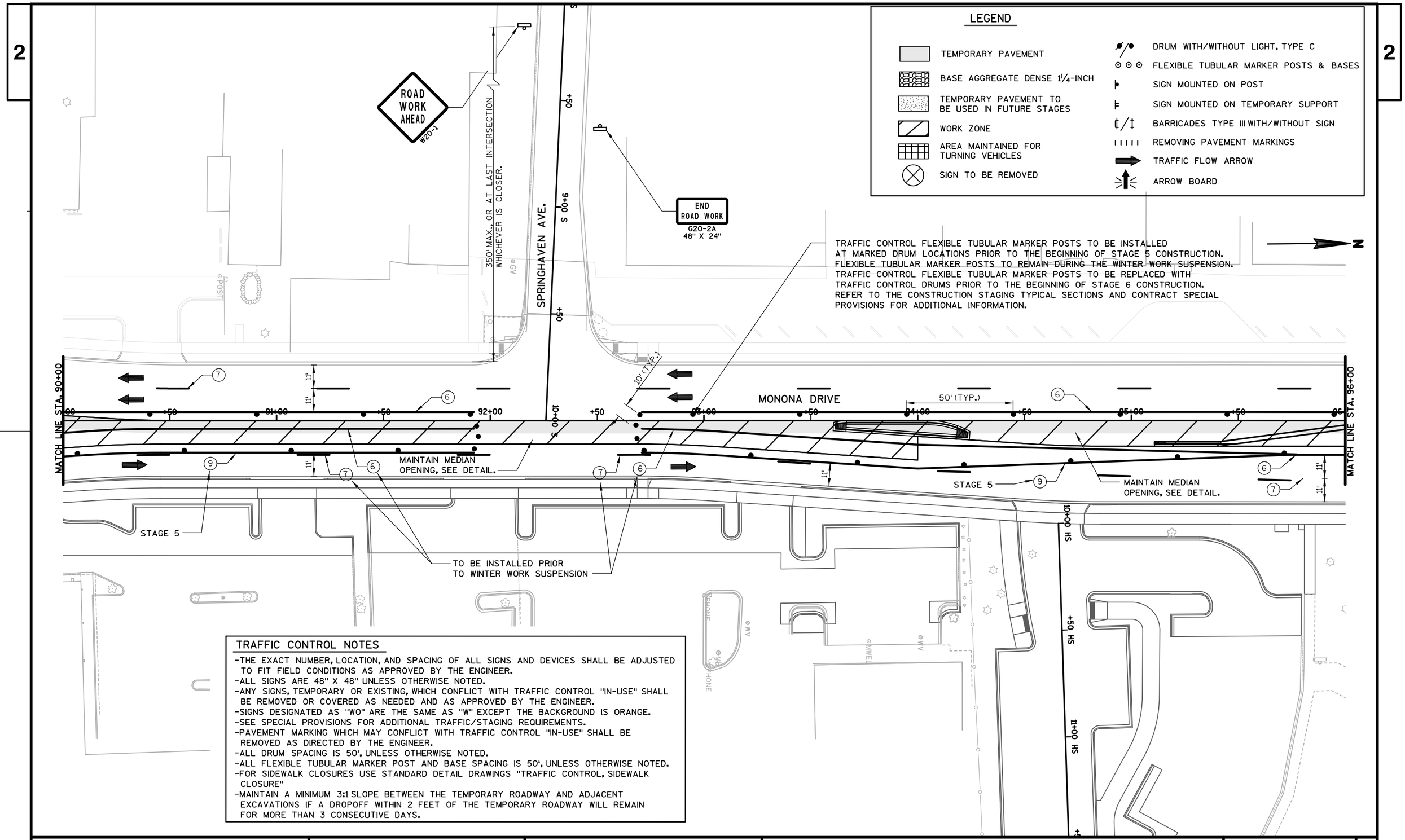
LANE CLOSED R11-2(MOD) 48" X 30"

MATCH LINE STA. 90+00

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 270 E



TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- -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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- -SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- -PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- -ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
- -ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
- -FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
- -MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\026607_s6.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- -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.
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TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE INSTALLED AT MARKED DRUM LOCATIONS PRIOR TO THE BEGINNING OF STAGE 5 CONSTRUCTION. FLEXIBLE TUBULAR MARKER POSTS TO REMAIN DURING THE WINTER WORK SUSPENSION. TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS TO BE REPLACED WITH TRAFFIC CONTROL DRUMS PRIOR TO THE BEGINNING OF STAGE 6 CONSTRUCTION. REFER TO THE CONSTRUCTION STAGING TYPICAL SECTIONS AND CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

ROAD WORK AHEAD W20-1

350' MAX., OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LOFTY AVE.

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

MONONA DRIVE

50' (TYP.)

11"

MATCH LINE STA. 96+00

10' (TYP.)

MAINTAIN MEDIAN OPENING, SEE DETAIL.

COLDSPRINGS AVE.

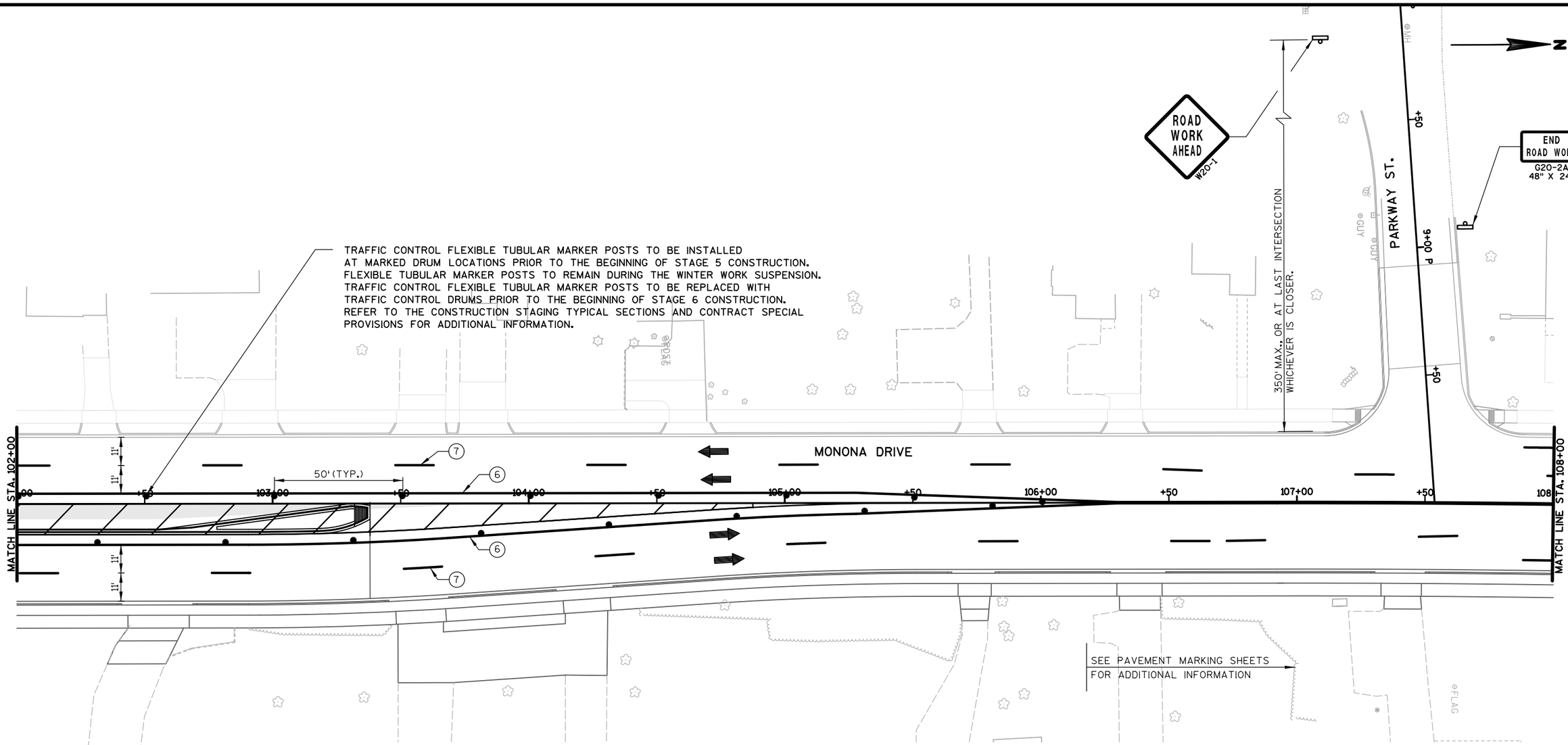
MATCH LINE STA. 102+00

N

LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 272	E



TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- -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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- -SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- -PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- -ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
- -ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
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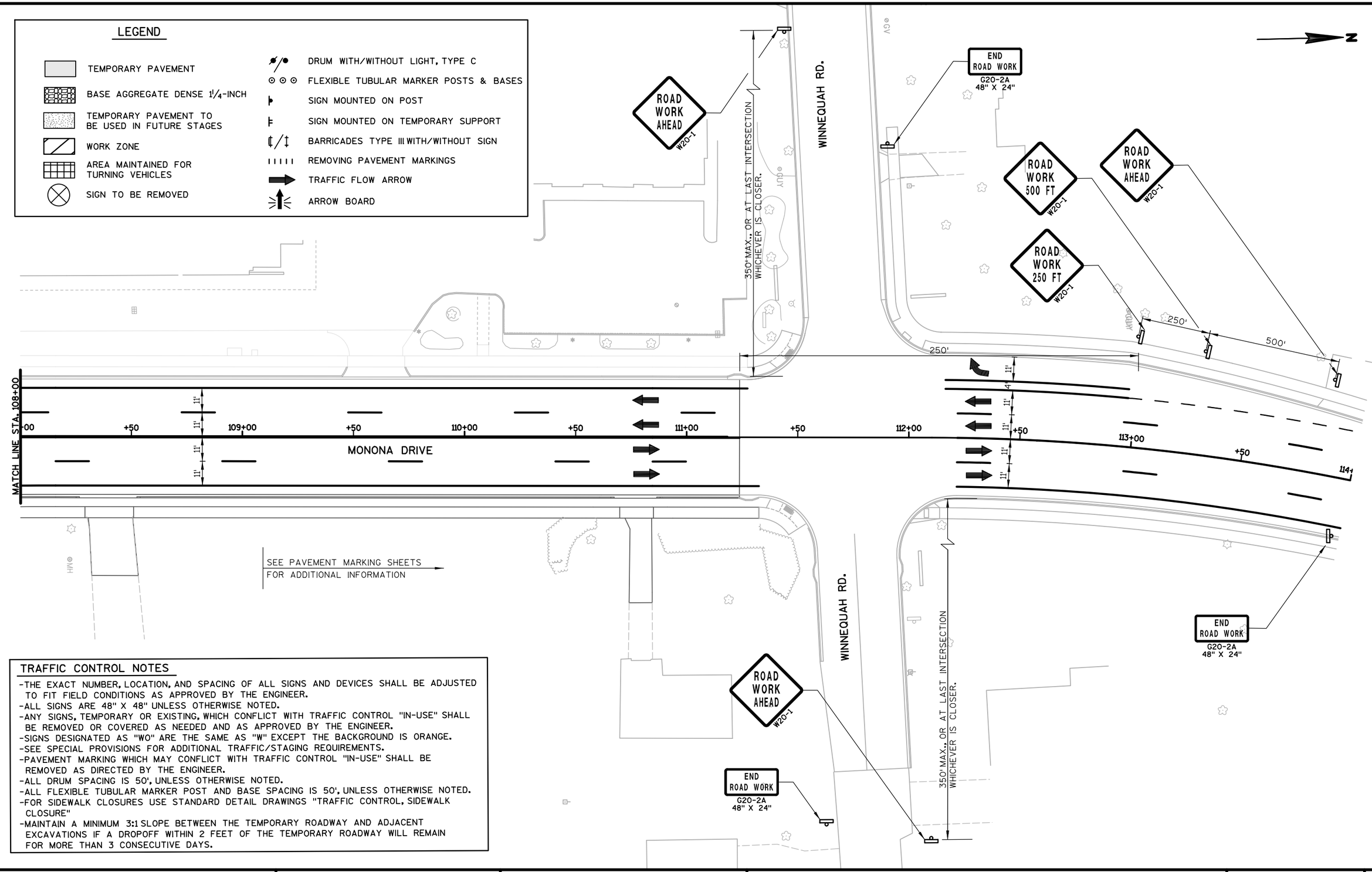
LEGEND

- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
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- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- ARROW BOARD

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 273	E

LEGEND

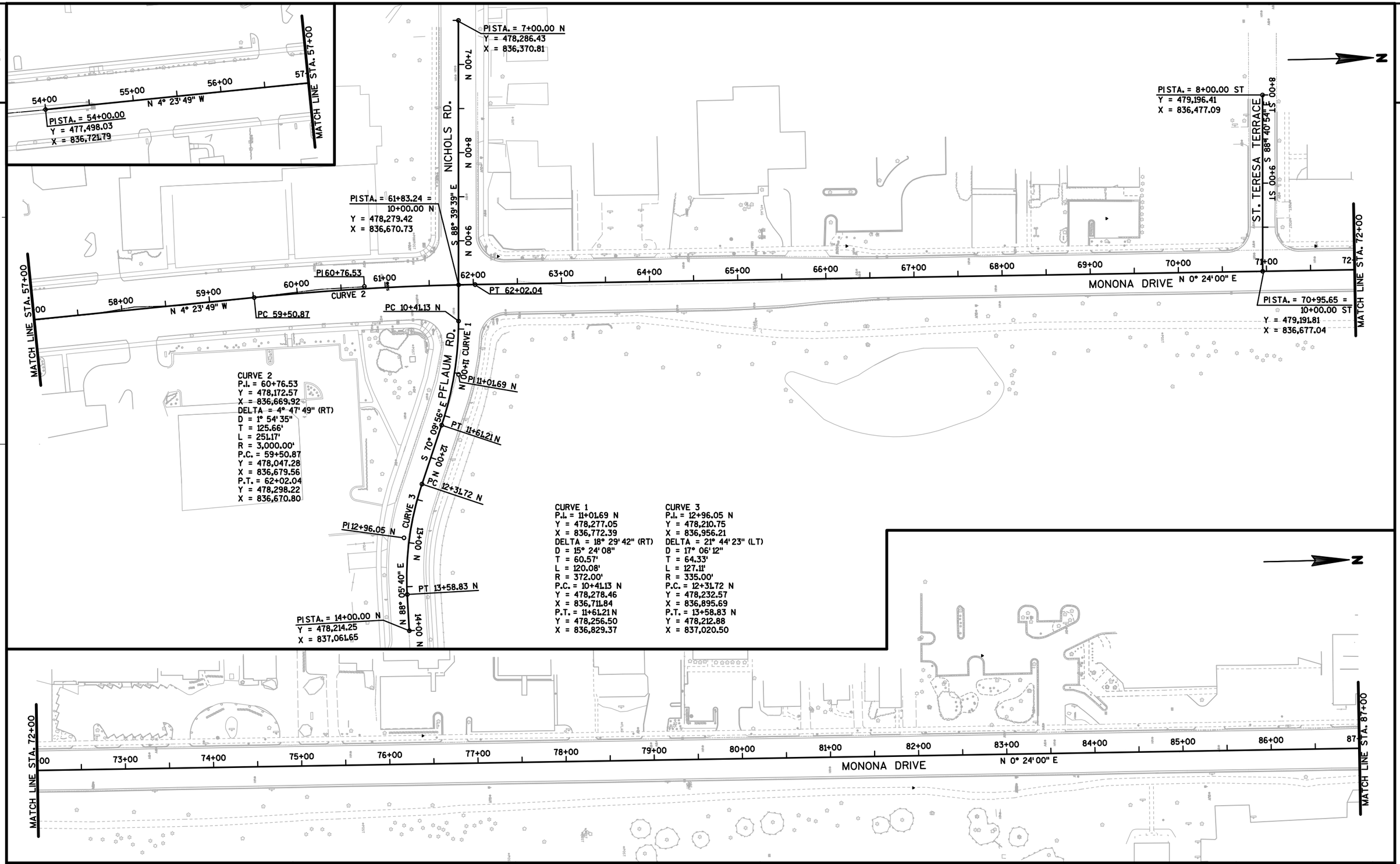
- TEMPORARY PAVEMENT
- BASE AGGREGATE DENSE 1¼-INCH
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- SIGN TO BE REMOVED
- DRUM WITH/WITHOUT LIGHT, TYPE C
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
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- TRAFFIC FLOW ARROW
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TRAFFIC CONTROL NOTES

- -THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- -ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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- -PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- -ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
- -ALL FLEXIBLE TUBULAR MARKER POST AND BASE SPACING IS 50', UNLESS OTHERWISE NOTED.
- -FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE"
- -MAINTAIN A MINIMUM 3:1 SLOPE BETWEEN THE TEMPORARY ROADWAY AND ADJACENT EXCAVATIONS IF A DROPOFF WITHIN 2 FEET OF THE TEMPORARY ROADWAY WILL REMAIN FOR MORE THAN 3 CONSECUTIVE DAYS.

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	STAGING PLANS - STAGE 5/STAGE 6	SHEET 274	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	ALIGNMENT DATA SHEET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\027201_ad.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PISTA. = 6+50.00 D
Y = 480,859.92
X = 836,338.79

CURVE 6
P.I. = 7+51.82 D
Y = 480,858.13
X = 836,440.60
DELTA = 3° 04' 05" (LT)
D = 15° 24' 08"
T = 9.96'
L = 19.92'
R = 372.00'
P.C. = 7+41.86 D
Y = 480,858.31
X = 836,430.64
P.T. = 7+61.78 D
Y = 480,858.49
X = 836,450.56

CURVE 7
P.I. = 8+77.00 D
Y = 480,862.63
X = 836,565.70
DELTA = 3° 04' 05" (RT)
D = 15° 24' 08"
T = 9.96'
L = 19.92'
R = 372.00'
P.C. = 8+67.04 D
Y = 480,862.28
X = 836,555.74
P.T. = 8+86.96 D
Y = 480,862.46
X = 836,575.66

PISTA. = 8+00.00 S
Y = 481,332.48
X = 836,492.18

PISTA. = 8+00.00 L
Y = 481,780.63
X = 836,495.26

PISTA. = 8+00.00 CW
Y = 482,182.27
X = 836,498.48

PISTA. = 95+46.57
Y = 481,642.67
X = 836,694.15

PISTA. = 87+64.35 = 10+00.00 D
Y = 480,860.47
X = 836,688.69

PISTA. = 92+26.03 = 10+00.00 S
Y = 481,322.13
X = 836,691.91

PISTA. = 96+80.91 = 10+00.00 L
Y = 481,777.01
X = 836,695.23

PISTA. = 100+81.06 = 10+00.00 CE
Y = 482,177.15
X = 836,698.44

PISTA. = 100+83.63 = 10+00.00 CW
Y = 482,179.72
X = 836,698.46

PISTA. = 10+00.00 HS
Y = 481,561.60
X = 836,741.74

PISTA. = 12+50.00 CE
Y = 482,183.71
X = 836,948.36

PISTA. = 13+50.00 D
Y = 480,854.32
X = 837,038.63

PISTA. = 8+00.00 P
Y = 482,837.88
X = 836,504.43

PISTA. = 13+43.63 HS
Y = 481,570.43
X = 837,085.25

CURVE 4
P.I. = 107+54.12
Y = 482,850.18
X = 836,703.85
DELTA = 0° 56' 39" (RT)
D = 0° 45' 50"
T = 61.79'
L = 123.57'
R = 7,500.00'
P.C. = 106+92.33
Y = 482,788.39
X = 836,703.35
P.T. = 108+15.90
Y = 482,911.95
X = 836,705.36

CURVE 5
P.I. = 114+01.26
Y = 483,497.12
X = 836,720.05
DELTA = 22° 46' 39" (RT)
D = 6° 02' 51"
T = 190.84'
L = 376.65'
R = 947.45'
P.C. = 112+10.42
Y = 483,306.34
X = 836,715.17
P.T. = 115+87.07
Y = 483,671.14
X = 836,798.42

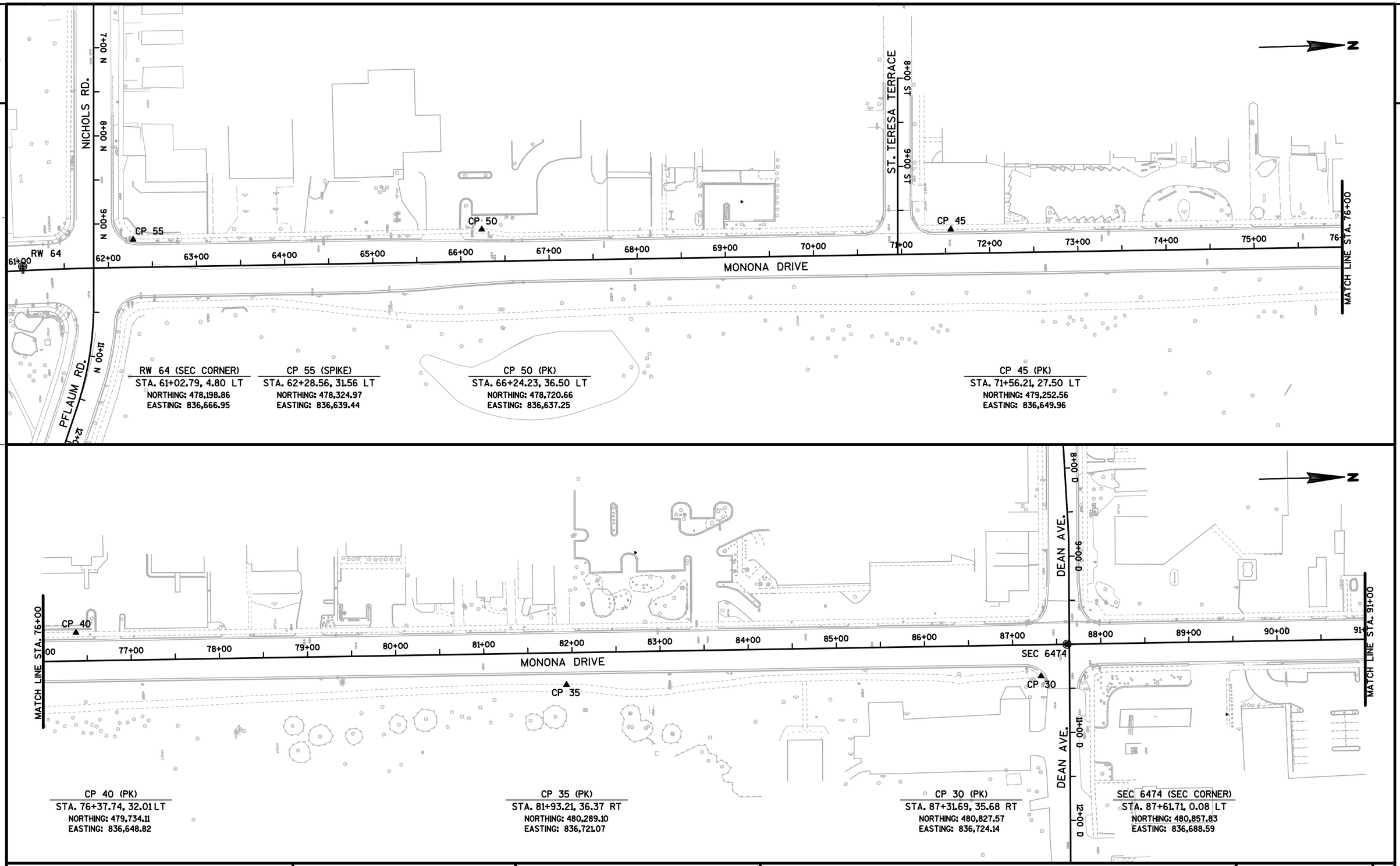
PISTA. = 107+53.78 = 10+00.00 P
Y = 482,849.84
X = 836,704.08

PISTA. = 110+84.63
Y = 483,180.60
X = 836,711.95

PISTA. = 117+03.95
Y = 483,777.71
X = 836,846.41

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	ALIGNMENT DATA SHEET	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\027202_ad.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



RW 64 (SEC CORNER)
STA. 61+02.79, 4.80 LT
NORTHING: 478,198.86
EASTING: 836,666.95

CP 55 (SPIKE)
STA. 62+28.56, 31.56 LT
NORTHING: 478,324.97
EASTING: 836,639.44

CP 50 (PK)
STA. 66+24.23, 36.50 LT
NORTHING: 478,720.66
EASTING: 836,637.25

CP 45 (PK)
STA. 71+56.21, 27.50 LT
NORTHING: 479,252.56
EASTING: 836,649.96

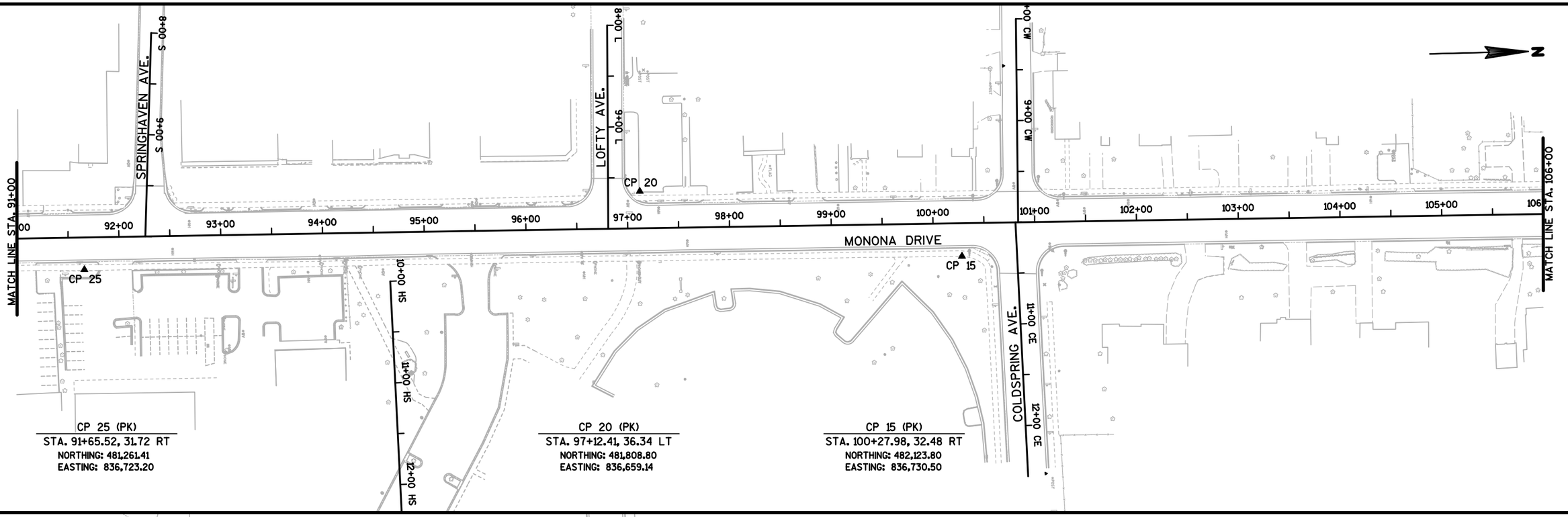
CP 40 (PK)
STA. 76+37.74, 32.01 LT
NORTHING: 479,734.11
EASTING: 836,648.82

CP 35 (PK)
STA. 81+93.21, 36.37 RT
NORTHING: 480,289.10
EASTING: 836,721.07

CP 30 (PK)
STA. 87+31.69, 35.68 RT
NORTHING: 480,827.57
EASTING: 836,724.14

SEC 6474 (SEC CORNER)
STA. 87+61.71, 0.08 LT
NORTHING: 480,857.83
EASTING: 836,688.59

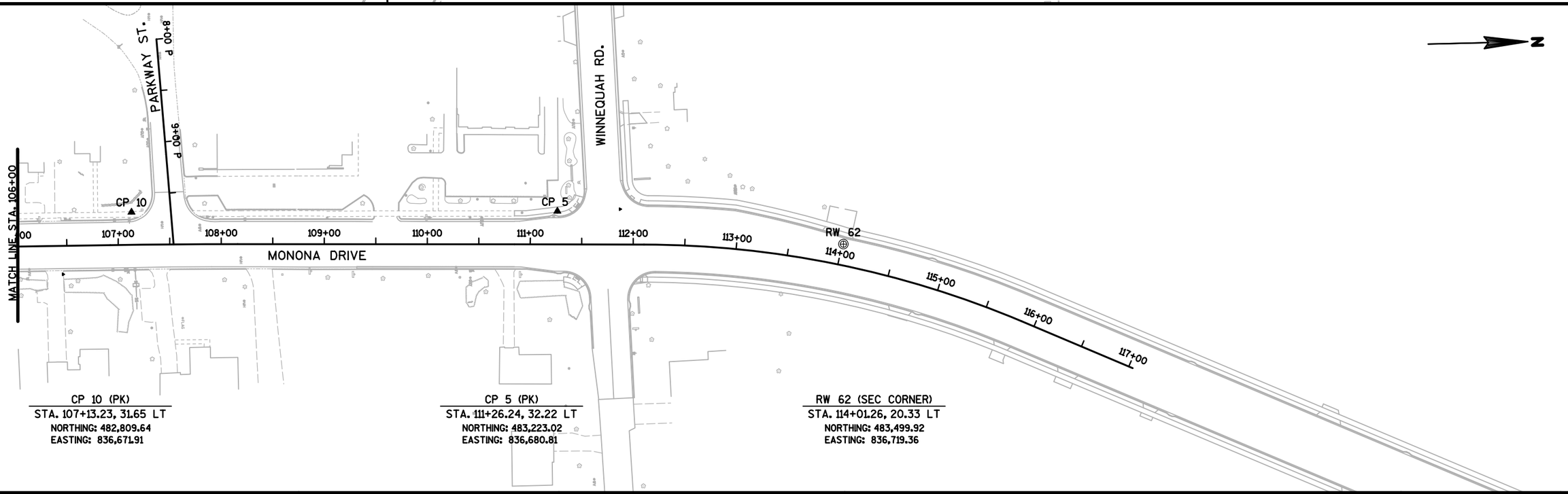
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONTROL POINT DATA SHEET	SHEET 277	E



CP 25 (PK)
STA. 91+65.52, 31.72 RT
NORTHING: 481,261.41
EASTING: 836,723.20

CP 20 (PK)
STA. 97+12.41, 36.34 LT
NORTHING: 481,808.80
EASTING: 836,659.14

CP 15 (PK)
STA. 100+27.98, 32.48 RT
NORTHING: 482,123.80
EASTING: 836,730.50



CP 10 (PK)
STA. 107+13.23, 31.65 LT
NORTHING: 482,809.64
EASTING: 836,671.91

CP 5 (PK)
STA. 111+26.24, 32.22 LT
NORTHING: 483,223.02
EASTING: 836,680.81

RW 62 (SEC CORNER)
STA. 114+01.26, 20.33 LT
NORTHING: 483,499.92
EASTING: 836,719.36

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CONTROL POINT DATA SHEET	SHEET 278	E

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
0010	201.0120	CLEARING	ID	1,302.000	1,302.000		
0020	201.0220	GRUBBING	ID	1,302.000	1,302.000		
0030	204.0100	REMOVING PAVEMENT	SY	31,776.000	31,776.000		
0040	204.0130	REMOVING CURB	LF	850.000	850.000		
0050	204.0150	REMOVING CURB & GUTTER	LF	8,711.000	8,711.000		
0060	204.0155	REMOVING CONCRETE SIDEWALK	SY	4,649.000	4,649.000		
0070	204.0170	REMOVING FENCE	LF	75.000	75.000		
0080	204.0185	REMOVING MASONRY	CY	0.600	0.600		
0090	204.0195	REMOVING CONCRETE BASES	EACH	41.000	41.000		
0100	204.0210	REMOVING MANHOLES	EACH	8.000	5.000	3.000	
0110	204.0220	REMOVING INLETS	EACH	30.000	30.000		
0120	204.0245	REMOVING STORM SEWER (SIZE) 01. 6-INCH	LF	35.000	35.000		
0130	204.0245	REMOVING STORM SEWER (SIZE) 02. 8-INCH	LF	16.000	16.000		
0140	204.0245	REMOVING STORM SEWER (SIZE) 03. 12-INCH	LF	930.000	930.000		
0150	204.0245	REMOVING STORM SEWER (SIZE) 04. 15-INCH	LF	321.000	321.000		
0160	204.0245	REMOVING STORM SEWER (SIZE) 05. 18-INCH	LF	1,400.000	1,400.000		
0170	204.0245	REMOVING STORM SEWER (SIZE) 06. 24-INCH	LF	390.000	390.000		
0180	204.0245	REMOVING STORM SEWER (SIZE) 07. 30-INCH	LF	415.000	415.000		
0190	204.0245	REMOVING STORM SEWER (SIZE) 08. 36-INCH	LF	608.000	608.000		
0200	204.0245	REMOVING STORM SEWER (SIZE) 09. 42-INCH	LF	135.000	135.000		
0210	204.0280	SEALING PIPES	EACH	2.000	2.000		
0220	204.0291.S	ABANDONING SEWER	CY	1.400	1.400		
0230	204.9060.S	REMOVING (ITEM DESCRIPTION) 01. INLET COVERS	EACH	14.000	14.000		
0240	204.9060.S	REMOVING (ITEM DESCRIPTION) 02. CONCRETE BUMPERS	EACH	24.000	24.000		
0250	204.9060.S	REMOVING (ITEM DESCRIPTION) 03. WOODEN POST	EACH	3.000	3.000		
0260	204.9060.S	REMOVING (ITEM DESCRIPTION) 04. COMMERCIAL SIGNS	EACH	7.000	7.000		
0270	204.9060.S	REMOVING (ITEM DESCRIPTION) 05. STONE VENEER WALL	EACH	2.000	2.000		
0280	204.9060.S	REMOVING (ITEM DESCRIPTION) 06. DECORATIVE LIGHT POLE AND LUMINAIRE	EACH	1.000	1.000		
0290	204.9060.S	REMOVING (ITEM DESCRIPTION) 07. YELLOW WARNING FLASHER UNIT	EACH	2.000	2.000		
0300	204.9090.S	REMOVING (ITEM DESCRIPTION) 01. LANDSCAPING TIMBERS	LF	235.000	235.000		
0310	204.9090.S	REMOVING (ITEM DESCRIPTION) 02. LANDSCAPING BLOCKS	LF	44.000	44.000		
0320	204.9165.S	REMOVING (ITEM DESCRIPTION) 01.CONCRETE STEPS	SF	46.000	46.000		
0330	205.0100	EXCAVATION COMMON	CY	48,974.000	48,974.000		
0340	205.0501.S	EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	TON	75.000	75.000		
0350	209.0100	BACKFILL GRANULAR	CY	17,936.000		12,436.000	5,500.000
0360	209.0300.S	BACKFILL COARSE AGGREGATE (SIZE) 01. SIZE NO. 1	CY	78.000	78.000		
0370	213.0100	FINISHING ROADWAY (PROJECT) 01. 5994-00-72	EACH	1.000	1.000		
0380	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1,283.000	1,283.000		
0390	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	33,899.000	33,899.000		
0400	305.0130	BASE AGGREGATE DENSE 3-INCH	TON	764.000	764.000		
0410	312.0110	SELECT CRUSHED MATERIAL	TON	32,635.000	32,635.000		
0420	415.0080	CONCRETE PAVEMENT 8-INCH	SY	22,770.000	22,770.000		
0430	415.0085	CONCRETE PAVEMENT 8 1/2-INCH	SY	2,920.000	2,920.000		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
0440	415.0210	CONCRETE PAVEMENT GAPS	EACH	51.000	51.000		
0450	415.1080	CONCRETE PAVEMENT HES 8-INCH	SY	4,573.000	4,573.000		
0460	416.0270	CONCRETE DRIVEWAY HES 7-INCH	SY	941.000	941.000		
0470	416.0610	DRILLED TIE BARS	EACH	47.000	47.000		
0480	416.0620	DRILLED DOWEL BARS	EACH	1,993.000	1,993.000		
0490	440.4410.S	INCENTIVE IRI RIDE	DOL	1,200.000	1,200.000		
0500	455.0105	ASPHALTIC MATERIAL PG58-28	TON	20.000	20.000		
0510	455.0115	ASPHALTIC MATERIAL PG64-22	TON	67.000	67.000		
0520	455.0120	ASPHALTIC MATERIAL PG64-28	TON	57.000	57.000		
0530	455.0605	TACK COAT	GAL	264.000	264.000		
0540	460.1100	HMA PAVEMENT TYPE E-0.3	TON	365.000	365.000		
0550	460.1103	HMA PAVEMENT TYPE E-3	TON	2,332.000	2,332.000		
0560	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	1,740.000	1,740.000		
0570	460.4110.S	REHEATING HMA LONGITUDINAL JOINTS	LF	7,170.000	7,170.000		
0580	465.0110	ASPHALTIC SURFACE PATCHING	TON	50.000	50.000		
0590	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	1,836.000	1,836.000		
0600	465.0125	ASPHALTIC SURFACE TEMPORARY	TON	3,664.000	3,664.000		
0610	465.0310	ASPHALTIC CURB	LF	231.000	231.000		
0620	465.0315	ASPHALTIC FLUMES	SY	24.000	24.000		
0630	520.8000	CONCRETE COLLARS FOR PIPE	EACH	25.000	25.000		
0640	601.0110	CONCRETE CURB TYPE D	LF	282.000	282.000		
0650	601.0199.S	CONCRETE CURB PRECAST	EACH	55.000	55.000		
0660	601.0405	CONCRETE CURB & GUTTER 18-INCH TYPE A	LF	7,857.000	7,857.000		
0670	601.0407	CONCRETE CURB & GUTTER 18-INCH TYPE D	LF	4,702.000	4,702.000		
0680	601.0409	CONCRETE CURB & GUTTER 30-INCH TYPE A	LF	21.000	21.000		
0690	601.0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	1,302.000	1,302.000		
0700	601.0600	CONCRETE CURB PEDESTRIAN	LF	23.000	23.000		
0710	602.0410	CONCRETE SIDEWALK 5-INCH	SF	44,630.000	44,630.000		
0720	602.1500	CONCRETE STEPS	SF	24.000	24.000		
0730	603.8000	CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	LF	550.000	550.000		
0740	603.8125	CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	LF	550.000	550.000		
0750	607.5000	STORM SEWER ROCK EXCAVATION	CY	650.000	650.000		
0760	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	1,173.000	1,173.000		
0770	608.0318	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	LF	8.000	8.000		
0780	608.0324	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	2,565.000	2,565.000		
0790	608.0330	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH	LF	297.000	297.000		
0800	608.0342	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH	LF	434.000	434.000		
0810	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	LF	2,374.000	2,374.000		
0820	608.0418	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	LF	124.000	124.000		
0830	608.0421	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 21-INCH	LF	27.000	27.000		
0840	608.0424	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	LF	943.000	943.000		
0850	608.0430	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH	LF	149.000	149.000		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
0860	608.0436	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH	LF	367.000	367.000		
0870	608.0442	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 42-INCH	LF	87.000	87.000		
0880	610.0114	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 14X23-INCH	LF	88.000	88.000		
0890	610.0119	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH	LF	66.000	66.000		
0900	610.0124	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH	LF	626.000	626.000		
0910	610.0424	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH	LF	86.000	86.000		
0920	610.0434	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH	LF	68.000	68.000		
0930	611.0530	MANHOLE COVERS TYPE J	EACH	61.000	61.000		
0940	611.0612	INLET COVERS TYPE C	EACH	4.000	4.000		
0950	611.0624	INLET COVERS TYPE H	EACH	88.000	88.000		
0960	611.0639	INLET COVERS TYPE H-S	EACH	48.000	48.000		
0970	611.0642	INLET COVERS TYPE MS	EACH	3.000	3.000		
0980	611.2004	MANHOLES 4-FT DIAMETER	EACH	58.000	58.000		
0990	611.2005	MANHOLES 5-FT DIAMETER	EACH	9.000	9.000		
1000	611.2006	MANHOLES 6-FT DIAMETER	EACH	7.000	7.000		
1010	611.2007	MANHOLES 7-FT DIAMETER	EACH	6.000	6.000		
1020	611.2008	MANHOLES 8-FT DIAMETER	EACH	1.000	1.000		
1030	611.3230	INLETS 2X3-FT	EACH	124.000	124.000		
1040	611.3901	INLETS MEDIAN 1 GRATE	EACH	3.000	3.000		
1050	611.8110	ADJUSTING MANHOLE COVERS	EACH	8.000	1.000	7.000	
1060	611.8115	ADJUSTING INLET COVERS	EACH	4.000	4.000		
1070	611.8120.S	COVER PLATES TEMPORARY	EACH	7.000	7.000		
1080	611.9710	SALVAGED INLET COVERS	EACH	2.000	2.000		
1090	612.0208	PIPE UNDERDRAIN UNPERFORATED 8-INCH	LF	8.000	8.000		
1100	612.0212	PIPE UNDERDRAIN UNPERFORATED 12-INCH	LF	8.000	8.000		
1110	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	2,628.000	2,628.000		
1120	616.0206	FENCE CHAIN LINK 6-FT	LF	25.000	25.000		
1130	616.0700.S	FENCE SAFETY	LF	2,400.000	2,400.000		
1140	619.1000	MOBILIZATION	EACH	1.000	0.800	0.100	0.100
1150	620.0300	CONCRETE MEDIAN SLOPED NOSE	SF	570.000	570.000		
1160	623.0200	DUST CONTROL SURFACE TREATMENT	SY	45,310.000	45,310.000		
1170	624.0100	WATER	MGAL	163.000	163.000		
1180	625.0100	TOPSOIL	SY	15,100.000	15,100.000		
1190	627.0200	MULCHING	SY	11,186.000	11,186.000		
1200	628.1504	SILT FENCE	LF	3,430.000	3,430.000		
1210	628.1520	SILT FENCE MAINTENANCE	LF	6,860.000	6,860.000		
1220	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	5.000	5.000		
1230	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	15.000	15.000		
1240	628.2006	EROSION MAT URBAN CLASS I TYPE A	SY	1,440.000	1,440.000		
1250	628.6510	SOIL STABILIZER TYPE B	ACRE	2.300	2.300		
1260	628.7005	INLET PROTECTION TYPE A	EACH	148.000	148.000		
1270	628.7010	INLET PROTECTION TYPE B	EACH	9.000	9.000		
1280	628.7570	ROCK BAGS	EACH	150.000	150.000		
1290	629.0210	FERTILIZER TYPE B	CWT	10.100	10.100		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
1300	630.0140	SEEDING MIXTURE NO. 40	LB	199.000	199.000		
1310	630.0200	SEEDING TEMPORARY	LB	300.000	300.000		
1320	631.0300	SOD WATER	MGAL	107.000	107.000		
1330	631.1000	SOD LAWN	SY	4,645.000	4,645.000		
1340	632.0101	TREES (SPECIES, ROOT, SIZE) 01. AMUR MAACKIA, 'STARBURST', B&B, 2 - INCH CAL.	EACH	4.000	4.000		
1350	632.0101	TREES (SPECIES, ROOT, SIZE) 02. BIRCH, WHITESPIRE (SHRUB FORM TREE), B&B , 8 - FOOT HT.	EACH	4.000	4.000		
1360	632.0101	TREES (SPECIES, ROOT, SIZE) 03. COFFEETREE, B&B, 2 1/2 - INCH CAL.	EACH	1.000	1.000		
1370	632.0101	TREES (SPECIES, ROOT, SIZE) 04. COFFEETREE, 'ESPRESSO', B&B, 2 1/2 - INCH CAL.	EACH	2.000	2.000		
1380	632.0101	TREES (SPECIES, ROOT, SIZE) 05. ELM, 'FRONTIER', B&B, 2 1/2 - INCH CAL.	EACH	18.000	18.000		
1390	632.0101	TREES (SPECIES, ROOT, SIZE) 06. ELM, 'REGAL', B&B, 2 1/2 - INCH CAL.	EACH	12.000	12.000		
1400	632.0101	TREES (SPECIES, ROOT, SIZE) 07. ELM, 'VALLEY FORGE', B&B, 2 1/2 - INCH CAL.	EACH	1.000	1.000		
1410	632.0101	TREES (SPECIES, ROOT, SIZE) 08. GINKGO, 'AUTUMN GOLD', B&B, 2 1/2 - INCH CAL.	EACH	14.000	14.000		
1420	632.0101	TREES (SPECIES, ROOT, SIZE) 09. GINKGO, 'PRINCETON SENTRY', B&B, 2 1/2 - INCH CAL.	EACH	5.000	5.000		
1430	632.0101	TREES (SPECIES, ROOT, SIZE) 10. HACKBERRY, B&B, 2 1/2 - INCH CAL.	EACH	2.000	2.000		
1440	632.0101	TREES (SPECIES, ROOT, SIZE) 11. HACKBERRY, 'CHICAGOLAND', B&B, 2 1/2 - INCH CAL.	EACH	28.000	28.000		
1450	632.0101	TREES (SPECIES, ROOT, SIZE) 12. HONEYLOCUST, 'SKYLINE', B&B, 2 1/2 - INCH CAL.	EACH	16.000	16.000		
1460	632.0101	TREES (SPECIES, ROOT, SIZE) 13. HONEYLOCUST, 'SUNBURST', B&B, 2 1/2 - INCH CAL.	EACH	3.000	3.000		
1470	632.0101	TREES (SPECIES, ROOT, SIZE) 14. HORSECHESTNUT, 'FT. MCNAIR', B&B, 2 1/2 - INCH CAL.	EACH	4.000	4.000		
1480	632.0101	TREES (SPECIES, ROOT, SIZE) 15. LINDEN, AMERICAN 'SENTRY', B&B, 2 1/2 - INCH CAL.	EACH	10.000	10.000		
1490	632.0101	TREES (SPECIES, ROOT, SIZE) 16. MAPLE, 'ARMSTRONG' B&B, 2 1/2 - INCH CAL.	EACH	2.000	2.000		
1500	632.0101	TREES (SPECIES, ROOT, SIZE) 17. MAPLE, 'CELEBRATION', B&B, 2 1/2 - INCH CAL.	EACH	7.000	7.000		
1510	632.0101	TREES (SPECIES, ROOT, SIZE) 18. MAPLE, RED 'BURGUNDY BELLE', B&B, 2 1/2 - INCH CAL.	EACH	4.000	4.000		
1520	632.0101	TREES (SPECIES, ROOT, SIZE) 19. MAPLE, 'SIENNA GLENN', B&B, 2 1/2 - INCH CAL.	EACH	1.000	1.000		
1530	632.0101	TREES (SPECIES, ROOT, SIZE) 20. OAK, 'REGAL PRINCE', B&B, 2 1/2 - INCH CAL.	EACH	15.000	15.000		
1540	632.0101	TREES (SPECIES, ROOT, SIZE) 21. OAK, SWAMP WHITE, B&B, 2 1/2 - INCH CAL.	EACH	1.000	1.000		
1550	632.0101	TREES (SPECIES, ROOT, SIZE) 22. PEAR, 'CLEVELAND SELECT', B&B, 2 1/2 - INCH CAL.	EACH	35.000	35.000		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
1560	632.0101	TREES (SPECIES, ROOT, SIZE) 23. CRABAPPLE, 'ROYAL RAINDROPS', B&B, 2 - INCH CAL.	EACH	3.000	3.000		
1570	632.0101	TREES (SPECIES, ROOT, SIZE) 24. HAWTHORN, 'WINTER KING', B&B, 2 - INCH CAL.	EACH	3.000	3.000		
1580	632.0101	TREES (SPECIES, ROOT, SIZE) 25. LILAC, 'SUMMER SNOW', B&B, 2-INCH CAL.	EACH	16.000	16.000		
1590	632.0101	TREES (SPECIES, ROOT, SIZE) 26. PEAR, KOREAN SUN, B&B, 2 - INCH CAL.	EACH	3.000	3.000		
1600	632.0101	TREES (SPECIES, ROOT, SIZE) 27. JUNIPER, BROADMOOR, CONTAINER, 18 - INCH HT.	EACH	5.000	5.000		
1610	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 01. BURNING BUSH, 'RUDY HAAG', CONTAINER, 18 - INCH HT.	EACH	12.000	12.000		
1620	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 02. CHOKEBERRY, BLACK 'IROQUOIS BEAUTY', CONTAINER, 18 - INCH HT.	EACH	29.000	29.000		
1630	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 03. HONEYSUCKLE, DWARFBUSH 'JEWELL', CONTAINER, 18 - INCH HT.	EACH	39.000	39.000		
1640	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 04. LILAC, MEYERI, CONTAINER, 24 - INCH HT.	EACH	32.000	32.000		
1650	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 05. NINEBARK, 'SUMMER WINE', CONTAINER, 24 - INCH HT.	EACH	21.000	21.000		
1660	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 06. ROSE, 'DWARF PAVEMENT', CONTAINER, 24 - INCH HT.	EACH	57.000	57.000		
1670	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 07. ROSE, 'FRAU DAGMAR HASTRUP', CONTAINER, 24 - INCH HT.	EACH	5.000	5.000		
1680	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 08. SPIREA, BIRCHLEAF 'TOR', CONTAINER, 18 - INCH HT.	EACH	52.000	52.000		
1690	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 09. SPIREA, JAPANESE 'FROEBEL', CONTAINER, 24 - INCH HT.	EACH	28.000	28.000		
1700	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 10. SPIREA, KOREAN, CONTAINER, 18 - INCH HT.	EACH	119.000	119.000		
1710	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 11. SPIREA, 'MAGIC CARPET', CONTAINER, 18 - INCH HT.	EACH	59.000	59.000		
1720	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 12. SERVICEBERRY, 'REGENT' , CONTAINER, 24 - INCH HT.	EACH	7.000	7.000		
1730	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 13. ST. JOHN'S WORT, KALM'S, CONTAINER, 18 - INCH HT.	EACH	18.000	18.000		
1740	632.0201	SHRUBS (SPECIES, ROOT, SIZE) 14. VIBURNUM, KOREANSPICE COMPACT, CONTAINER, 24 - INCH HT.	EACH	3.000	3.000		
1750	632.9101	LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES	EACH	26.000	26.000		
1760	637.0202	SIGNS REFLECTIVE TYPE II	SF	528.450	528.450		
1770	637.0402	SIGNS REFLECTIVE FOLDING TYPE II	SF	62.160	62.160		
1780	638.2102	MOVING SIGNS TYPE II	EACH	124.000	124.000		
1790	638.2602	REMOVING SIGNS TYPE II	EACH	65.000	65.000		
1800	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	62.000	62.000		
1810	638.4000	MOVING SMALL SIGN SUPPORTS	EACH	83.000	83.000		

3

DATE 20NOV12 — 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
1820	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000		
1830	643.0200	TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE (PROJECT) 01. 5994-00-72	DAY	430.000	430.000		
1840	643.0300	TRAFFIC CONTROL DRUMS	DAY	195,848.000	195,848.000		
1850	643.0410	TRAFFIC CONTROL BARRICADES TYPE II	DAY	3,498.000	3,498.000		
1860	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	14,281.000	14,281.000		
1870	643.0500	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	EACH	1,103.000	1,103.000		
1880	643.0600	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	EACH	1,103.000	1,103.000		
1890	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	28,328.000	28,328.000		
1900	643.0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	55,669.000	55,669.000		
1910	643.0800	TRAFFIC CONTROL ARROW BOARDS	DAY	654.000	654.000		
1920	643.0900	TRAFFIC CONTROL SIGNS	DAY	36,275.000	36,275.000		
1930	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	560.000	560.000		
1940	645.0135	GEOTEXTILE FABRIC TYPE SR	SY	40,920.000	40,920.000		
1950	646.0103	PAVEMENT MARKING PAINT 4-INCH	LF	12.000	12.000		
1960	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	13,593.000	13,593.000		
1970	646.0116	PAVEMENT MARKING EPOXY 6-INCH	LF	11,975.000	11,975.000		
1980	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	1,984.000	1,984.000		
1990	646.0600	REMOVING PAVEMENT MARKINGS	LF	36,110.000	36,110.000		
2000	647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	EACH	2.000	2.000		
2010	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	35.000	35.000		
2020	647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	EACH	4.000	4.000		
2030	647.0206	PAVEMENT MARKING ARROWS BIKE LANE EPOXY	EACH	27.000	27.000		
2040	647.0256	PAVEMENT MARKING SYMBOLS EPOXY	EACH	9.000	9.000		
2050	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	11.000	11.000		
2060	647.0406	PAVEMENT MARKING WORDS BIKE LANE EPOXY	EACH	59.000	59.000		
2070	647.0456	PAVEMENT MARKING CURB EPOXY	LF	344.000	344.000		
2080	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	434.000	434.000		
2090	647.0576	PAVEMENT MARKING STOP LINE EPOXY 24-INCH	LF	73.000	73.000		
2100	647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	EACH	16.000	16.000		
2110	647.0653	PAVEMENT MARKING PARKING STALL PAINT	LF	5,057.000	5,057.000		
2120	647.0713	PAVEMENT MARKING DIAGONAL PAINT 8-INCH	LF	999.000	999.000		
2130	647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	LF	139.000	139.000		
2140	647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	2,201.000	2,201.000		
2150	647.0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	LF	135.000	135.000		
2160	647.0955	REMOVING PAVEMENT MARKINGS ARROWS	EACH	40.000	40.000		
2170	647.0965	REMOVING PAVEMENT MARKINGS WORDS	EACH	2.000	2.000		
2180	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	53,326.000	53,326.000		
2190	649.0200	TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH	LF	10,604.000	10,604.000		
2200	649.0400	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH	LF	27,309.000	27,309.000		
2210	649.0701	TEMPORARY PAVEMENT MARKING 8-INCH	LF	5,525.000	5,525.000		
2220	649.0801	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 8-INCH	LF	1,040.000	1,040.000		
2230	649.1100	TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH	LF	421.000	421.000		
2240	649.1200	TEMPORARY PAVEMENT MARKING STOP LINE REMOVABLE TAPE 18-INCH	LF	319.000	319.000		
2250	649.1700	TEMPORARY PAVEMENT MARKING ARROWS	EACH	70.000	70.000		
2260	649.1800	TEMPORARY PAVEMENT MARKING ARROWS REMOVABLE TAPE	EACH	42.000	42.000		
2270	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	209.000	209.000		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
2280	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	5,235.000	5,235.000		
2290	650.5000	CONSTRUCTION STAKING BASE	LF	1,766.000	1,766.000		
2300	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	19,124.000	19,124.000		
2310	650.7000	CONSTRUCTION STAKING CONCRETE PAVEMENT	LF	4,445.000	4,445.000		
2320	650.8500	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 5994-00-72	LS	1.000	1.000		
2330	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5994-00-72	LS	1.000	1.000		
2340	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	6,875.000	6,875.000		
2350	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	10,788.000	10,788.000		
2360	652.0235	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	LF	9,350.000	9,350.000		
2370	652.0325	CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH	LF	1,610.000	1,610.000		
2380	652.0335	CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH	LF	4,630.000	4,630.000		
2390	652.0700.S	INSTALL CONDUIT INTO EXISTING ITEM	EACH	3.000	3.000		
2400	652.0800	CONDUIT LOOP DETECTOR	LF	2,930.000	2,930.000		
2410	652.0900	LOOP DETECTOR SLOTS	LF	90.000	90.000		
2420	653.0905	REMOVING PULL BOXES	EACH	17.000	17.000		
2430	654.0101	CONCRETE BASES TYPE 1	EACH	4.000	4.000		
2440	654.0105	CONCRETE BASES TYPE 5	EACH	75.000	75.000		
2450	654.0113	CONCRETE BASES TYPE 13	EACH	6.000	6.000		
2460	655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	LF	1,685.000	1,685.000		
2470	655.0240	CABLE TRAFFIC SIGNAL 7-14 AWG	LF	588.000	588.000		
2480	655.0250	CABLE TRAFFIC SIGNAL 9-14 AWG	LF	999.000	999.000		
2490	655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	LF	450.000	450.000		
2500	655.0270	CABLE TRAFFIC SIGNAL 15-14 AWG	LF	669.000	669.000		
2510	655.0280	CABLE TRAFFIC SIGNAL 19-14 AWG	LF	32.000	32.000		
2520	655.0410	COMMUNICATION CABLE INSTALLED IN CONDUIT	LF	8,950.000	8,950.000		
2530	655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	LF	10,390.000	10,390.000		
2540	655.0610	ELECTRICAL WIRE LIGHTING 12 AWG	LF	32,146.000	32,146.000		
2550	655.0615	ELECTRICAL WIRE LIGHTING 10 AWG	LF	35,211.000	35,211.000		
2560	655.0620	ELECTRICAL WIRE LIGHTING 8 AWG	LF	19,531.000	19,531.000		
2570	655.0625	ELECTRICAL WIRE LIGHTING 6 AWG	LF	14,621.000	14,621.000		
2580	655.0630	ELECTRICAL WIRE LIGHTING 4 AWG	LF	8,792.000	8,792.000		
2590	655.0635	ELECTRICAL WIRE LIGHTING 2 AWG	LF	90.000	90.000		
2600	655.0700	LOOP DETECTOR LEAD IN CABLE	LF	7,247.000	7,247.000		
2610	655.0800	LOOP DETECTOR WIRE	LF	9,372.000	9,372.000		
2620	656.0100	ELECTRICAL SERVICE METER SOCKET (LOCATION) 01. LC-5	LS	1.000	1.000		
2630	656.0100	ELECTRICAL SERVICE METER SOCKET (LOCATION) 02. LC-6	LS	1.000	1.000		
2640	656.0100	ELECTRICAL SERVICE METER SOCKET (LOCATION) 03. LC-7	LS	1.000	1.000		
2650	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01. NICHOLS & MONONA DR.	LS	1.000	1.000		
2660	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 02. DEAN & MONONA DR.	LS	1.000	1.000		
2670	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 03. COLDSRPING & MONONA DR.	LS	1.000	1.000		

DATE 20NOV12 — 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
2680	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 04. STATION 94+33 RT	LS	1.000	1.000		
2690	656.0200	ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 05. STATION 102+56 LT	LS	1.000	1.000		
2700	657.0100	PEDESTAL BASES	EACH	15.000	15.000		
2710	657.0420	TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT	EACH	12.000	12.000		
2720	657.0425	TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT	EACH	4.000	4.000		
2730	658.0103	TRAFFIC SIGNAL FACE 1-12 INCH VERTICAL	EACH	2.000	2.000		
2740	658.0110	TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL	EACH	39.000	39.000		
2750	658.0115	TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL	EACH	6.000	6.000		
2760	658.0120	TRAFFIC SIGNAL FACE 5-12 INCH VERTICAL	EACH	1.000	1.000		
2770	658.0155	TRAFFIC SIGNAL FACE 3-12 INCH HORIZONTAL	EACH	1.000	1.000		
2780	658.0165	TRAFFIC SIGNAL FACE 5-12 INCH HORIZONTAL	EACH	1.000	1.000		
2790	658.0210	BACKPLATES SIGNAL FACE 1 SECTION 12-INCH	EACH	2.000	2.000		
2800	658.0215	BACKPLATES SIGNAL FACE 3 SECTION 12-INCH	EACH	40.000	40.000		
2810	658.0220	BACKPLATES SIGNAL FACE 4 SECTION 12-INCH	EACH	6.000	6.000		
2820	658.0225	BACKPLATES SIGNAL FACE 5 SECTION 12-INCH	EACH	2.000	2.000		
2830	658.0412	PEDESTRIAN SIGNAL FACE 12-INCH	EACH	21.000	21.000		
2840	658.0500	PEDESTRIAN PUSH BUTTONS	EACH	20.000	20.000		
2850	658.0660	LED MODULES COUNTDWN TIMER 12-INCH	EACH	21.000	21.000		
2860	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 01. NICHOLS & MONONA DR.	LS	1.000	1.000		
2870	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 02. DEAN & MONONA DR.	LS	1.000	1.000		
2880	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 03. COLDSPRING & MONONA DR.	LS	1.000	1.000		
2890	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 04. STATION 94+33 RT	LS	1.000	1.000		
2900	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 05. STATION 102+56 LT	LS	1.000	1.000		
2910	661.0200	TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 01. MONONA DRIVE & NICHOLS ROAD	LS	1.000	1.000		
2920	661.0200	TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 02. MONONA DRIVE& DEAN AVENUE	LS	1.000	1.000		
2930	661.0200	TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 03. MONONA DRIVE & COLDSPRING AVENUE	LS	1.000	1.000		
2940	690.0150	SAWING ASPHALT	LF	3,966.000	3,966.000		
2950	690.0250	SAWING CONCRETE	LF	15,383.000	15,383.000		
2960	715.0415	INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	9,472.000	9,472.000		
2970	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5. 00/HR	HRS	1,200.000	1,200.000		
2980	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	1,550.000	1,550.000		
2990	SPV.0035	SPECIAL 01. PLANTING MIXTURE	CY	611.000	611.000		
3000	SPV.0035	SPECIAL 02. TOPSOIL SPECIAL	CY	801.000	801.000		
3010	SPV.0035	SPECIAL 03. COLORING CONCRETE MONONA DRIVE RED	CY	240.000	240.000		
3020	SPV.0060	SPECIAL 01. INLET COVERS TYPE DW	EACH	21.000	21.000		
3030	SPV.0060	SPECIAL 02. INLET COVERS TYPE T3	EACH	1.000	1.000		
3040	SPV.0060	SPECIAL 03. TERRACE INLET TYPE 3	EACH	1.000	1.000		
3050	SPV.0060	SPECIAL 04. INLET PROTECTION TYPE HC	EACH	212.000	212.000		
3060	SPV.0060	SPECIAL 05. MANHOLES 9-FT DIAMETER	EACH	1.000	1.000		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
3070	SPV.0060	SPECIAL 06. LIGHTING CONTROL CABINET BLACK	EACH	3.000	3.000		
3080	SPV.0060	SPECIAL 07. PRIVATE STORM SEWER LATERAL RECONNECT	EACH	1.000	1.000		
3090	SPV.0060	SPECIAL 08. SIGN POST 12-FT	EACH	13.000	13.000		
3100	SPV.0060	SPECIAL 09. SIGN POST 14-FT	EACH	18.000	18.000		
3110	SPV.0060	SPECIAL 10. SIGN POST 16-FT	EACH	4.000	4.000		
3120	SPV.0060	SPECIAL 11. ROOT PRUNING EXISTING TREES	EACH	60.000	60.000		
3130	SPV.0060	SPECIAL 12. SALVAGE AND REPLACE DIGITAL SPEED LIMIT SIGN AND RADAR UNIT	EACH	2.000	2.000		
3140	SPV.0060	SPECIAL 13. SALVAGE AND REPLACE DECORATIVE LIGHT POLE AND LUMINAIRE	EACH	4.000	4.000		
3150	SPV.0060	SPECIAL 14. SALVAGE AND REPLACE CITY OF MADISON LIGHT POLE AND LUMINAIRE	EACH	1.000	1.000		
3160	SPV.0060	SPECIAL 15. ADJUSTING MONITORING WELL CAPS	EACH	2.000	2.000		
3170	SPV.0060	SPECIAL 16. SALVAGE AND REPLACE BENCH	EACH	1.000	1.000		
3180	SPV.0060	SPECIAL 17. SALVAGE AND REPLACE TRASH RECEPTACLE	EACH	1.000	1.000		
3190	SPV.0060	SPECIAL 18. STORM SEWER TAP	EACH	2.000	2.000		
3200	SPV.0060	SPECIAL 19. CONSTRUCTION STAKING CURB RAMP LAYOUT	EACH	47.000	47.000		
3210	SPV.0060	SPECIAL 20. TRAFFIC SIGNAL CONTROL CABINET, BLACK	EACH	3.000	3.000		
3220	SPV.0060	SPECIAL 21. PULL BOX TYPE I	EACH	40.000	40.000		
3230	SPV.0060	SPECIAL 22. PULL BOX TYPE III	EACH	27.000	27.000		
3240	SPV.0060	SPECIAL 23. PULL BOX TYPE V	EACH	9.000	9.000		
3250	SPV.0060	SPECIAL 24. DECORATIVE LIGHT POLE AND LUMINAIRE	EACH	71.000	71.000		
3260	SPV.0060	SPECIAL 25. POLE 20-FOOT, BLACK, 7 GAUGE	EACH	3.000	3.000		
3270	SPV.0060	SPECIAL 26. POLE 30-FOOT, BLACK, 11 GAUGE	EACH	8.000	8.000		
3280	SPV.0060	SPECIAL 27. MONOTUBE POLE, TYPE 12, BLACK	EACH	6.000	6.000		
3290	SPV.0060	SPECIAL 28. MONOTUBE ARM, 35-FOOT, BLACK	EACH	6.000	6.000		
3300	SPV.0060	SPECIAL 29. TRAFFIC SIGNAL TROMBONE ARM BLACK, ALUMINUM 18-FOOT	EACH	3.000	3.000		
3310	SPV.0060	SPECIAL 30. CONCRETE BASE TYPE G	EACH	13.000	13.000		
3320	SPV.0060	SPECIAL 31. CONCRETE BASE TYPE LB-3	EACH	8.000	8.000		
3330	SPV.0060	SPECIAL 32. CONCRETE BASE TYPE LB-8	EACH	3.000	3.000		
3340	SPV.0060	SPECIAL 33. CONCRETE BASE TYPE M	EACH	3.000	3.000		
3350	SPV.0060	SPECIAL 34. CONCRETE BASE TYPE P	EACH	3.000	3.000		
3360	SPV.0060	SPECIAL 35. TRAFFIC SIGNAL MASTER CONTROLLER	EACH	1.000	1.000		
3370	SPV.0060	SPECIAL 36. NEMA-PLUS CONFLICT MONITOR	EACH	3.000	3.000		
3380	SPV.0060	SPECIAL 37. SANITARY MANHOLE	EACH	20.000		20.000	
3390	SPV.0060	SPECIAL 38. SANITARY MANHOLE COVER	EACH	20.000		20.000	
3400	SPV.0060	SPECIAL 39. GATE VALVE AND VALVE BOX, 6-INCH	EACH	8.000			8.000
3410	SPV.0060	SPECIAL 40. GATE VALVE AND VALVE BOX, 8-INCH	EACH	4.000			4.000
3420	SPV.0060	SPECIAL 41. GATE VALVE AND VALVE BOX, 10-INCH	EACH	3.000			3.000
3430	SPV.0060	SPECIAL 42. GATE VALVE AND VALVE BOX, 12-INCH	EACH	19.000			19.000
3440	SPV.0060	SPECIAL 43. HYDRANTS	EACH	13.000			13.000
3450	SPV.0060	SPECIAL 44. LIGHTING FIXTURES TYPE-A	EACH	8.000	8.000		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
3460	SPV.0060	SPECIAL 45. RELOCATING HYDRANT	EACH	1.000			1.000
3470	SPV.0060	SPECIAL 46. SANITARY SEWER ACCESS STRUCTURE (4' DIAMETER)-MADISON TYPE	EACH	4.000		4.000	
3480	SPV.0060	SPECIAL 47. STONE VENEER WALL	EACH	7.000	7.000		
3490	SPV.0060	SPECIAL 48. BENCH	EACH	5.000	5.000		
3500	SPV.0060	SPECIAL 49. TRASH RECEPTACLE	EACH	5.000	5.000		
3510	SPV.0060	SPECIAL 50. BULBS	EACH	278.000	278.000		
3520	SPV.0060	SPECIAL 51. PERENNIALS, CARNATION (ARCTIC FIRE), CG, 1 GAL	EACH	39.000	39.000		
3530	SPV.0060	SPECIAL 52. PERENNIALS, CHIVE, ORNAMENTAL (PINK GIANT), CG, 1 GAL	EACH	82.000	82.000		
3540	SPV.0060	SPECIAL 53. PERENNIALS, CHIVE, ORNAMENTAL (SUMMER BEAUTY), CG, 1 GAL	EACH	44.000	44.000		
3550	SPV.0060	SPECIAL 54. PERENNIALS, CONEFLOWER, DWARF ORANGE (LITTLE SUZY), CG, 1 GAL	EACH	138.000	138.000		
3560	SPV.0060	SPECIAL 55. PERENNIALS, SWITCHGRASS (HEAVY METAL), CG, 1 GAL	EACH	39.000	39.000		
3570	SPV.0060	SPECIAL 56. PERENNIALS, CORAL BELLS (PALACE PURPLE), CG, 1 GAL	EACH	15.000	15.000		
3580	SPV.0060	SPECIAL 57. PERENNIALS, DAYLILY (LITTLE BUSINESS), CG, 1 GAL	EACH	67.000	67.000		
3590	SPV.0060	SPECIAL 58. PERENNIALS, DAYLILY (STELLA DE ORO), CG, 1 GAL	EACH	15.000	15.000		
3600	SPV.0060	SPECIAL 59. PERENNIALS, FEATHER REED GRASS (KARL FOERSTER), CG, 1 GAL	EACH	187.000	187.000		
3610	SPV.0060	SPECIAL 60. PERENNIALS, GAYFEATHER, SPIKED (KOBOLD), CG, 1 GAL	EACH	7.000	7.000		
3620	SPV.0060	SPECIAL 61. PERENNIALS, GERANIUM (BIOKOVO KARMINA), CG, 1 GAL	EACH	34.000	34.000		
3630	SPV.0060	SPECIAL 62. PERENNIALS, LITTLE BLUESTEM (THE BLUES), CG, 1 GAL	EACH	221.000	221.000		
3640	SPV.0060	SPECIAL 63. PERENNIALS, MOOR GRASS (AUTUMN), CG, 1 GAL	EACH	17.000	17.000		
3650	SPV.0060	SPECIAL 64. PERENNIALS, SWITCHGRASS (SHENANDOAH), CG, 1 GAL	EACH	60.000	60.000		
3660	SPV.0060	SPECIAL 65. PERENNIALS, RUSSIAN SAGE (LITTLE SPIRE), CG, 1 GAL	EACH	21.000	21.000		
3670	SPV.0060	SPECIAL 66. PERENNIALS, SALVIA (MAY NIGHT), CG, 1 GAL	EACH	56.000	56.000		
3680	SPV.0060	SPECIAL 67. PERENNIALS, SEDUM (AUTUMN FIRE), CG, 1 GAL	EACH	9.000	9.000		
3690	SPV.0060	SPECIAL 68. PERENNIALS, SEDGE (BLUE ZINGER), CG, 1 GAL	EACH	293.000	293.000		
3700	SPV.0060	SPECIAL 69. SANITARY TAP, CITY OF MADISON	EACH	4.000		4.000	
3710	SPV.0060	SPECIAL 70. COMPRESSION COUPLING, CITY OF MADISON	EACH	1.000		1.000	
3720	SPV.0060	SPECIAL 71. LOCATE AND REESTABLISH SECTION CORNER MONUMNETS	EACH	2.000	2.000		
3730	SPV.0060	SPECIAL 72. MANHOLE STRUCTURE 500	EACH	1.000	1.000		
3740	SPV.0060	SPECIAL 73. UTILITY LINE OPENING (ULO)	EACH	68.000	50.000	8.000	10.000
3750	SPV.0060	SPECIAL 74. REFLECTIVE SIGN POST 14-FT	EACH	70.000	70.000		
3760	SPV.0060	SPECIAL 75. REFLECTIVE SIGN POST 16-FT	EACH	4.000	4.000		
3770	SPV.0060	SPECIAL 76. CURB STOP RELOCATION	EACH	37.000			37.000
3780	SPV.0060	SPECIAL 77. SANITARY SEWER INTERNAL CHIMNEY SEAL, CITY OF MADISON	EACH	5.000		5.000	
3790	SPV.0060	SPECIAL 78. SLOW RELEASE WATERING BAG	EACH	219.000	219.000		

DATE 20NOV12 — 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
3800	SPV.0060	SPECIAL 79. SANITARY SEWER ACCESS STRUCTURE (6' DIAMETER)-MMSD TYPE	EACH	1.000		1.000	
3810	SPV.0060	SPECIAL 80. PRECAST SIGN POST BASE	EACH	100.000	100.000		
3820	SPV.0060	SPECIAL 81. SANITARY LATERAL ELECTRONIC MARKERS	EACH	5.000		5.000	
3830	SPV.0090	SPECIAL 01. CONCRETE PAVEMENT JOINT SEALING	LF	1,291.000	1,291.000		
3840	SPV.0090	SPECIAL 02. CONCRETE CURB & GUTTER HES 18-INCH TYPE A	LF	1,127.000	1,127.000		
3850	SPV.0090	SPECIAL 03. CONCRETE CURB & GUTTER HES 18-INCH TYPE D	LF	312.000	312.000		
3860	SPV.0090	SPECIAL 04. CONCRETE CURB & GUTTER 24-INCH	LF	3,105.000	3,105.000		
3870	SPV.0090	SPECIAL 05. CONCRETE GUTTER HES 18-INCH TYPE D	LF	50.000	50.000		
3880	SPV.0090	SPECIAL 06. CONCRETE RAISED MEDIAN NOSE SPECIAL	LF	878.000	878.000		
3890	SPV.0090	SPECIAL 07. CONCRETE RAISED MEDIAN NOSE SPECIAL REJECT	LF	223.000	223.000		
3900	SPV.0090	SPECIAL 08. CONCRETE RAISED MEDIAN SPECIAL	LF	135.000	135.000		
3910	SPV.0090	SPECIAL 09. CONSTRUCTION STAKING CONCRETE SIDEWALK - STAGE 1, PHASE 2	LF	4,870.000	4,870.000		
3920	SPV.0090	SPECIAL 10. PROTECTION OF PRIVATE SPRINKLER SYSTEMS	LF	206.000	206.000		
3930	SPV.0090	SPECIAL 11. SANITARY SEWER MAIN, POLYVINYL CHLORIDE (PVC), 8-INCH	LF	4,419.000		4,419.000	
3940	SPV.0090	SPECIAL 12. SANITARY SEWER MAIN, POLYVINYL CHLORIDE (PVC), 10-INCH	LF	323.000		323.000	
3950	SPV.0090	SPECIAL 13. SANITARY SEWER LATERAL, POLYVINYL CHLORIDE (PVC), 6-INCH	LF	619.000		619.000	
3960	SPV.0090	SPECIAL 14. WATER MAIN, DUCTILE IRON (DI), 6-INCH	LF	439.000			439.000
3970	SPV.0090	SPECIAL 15. WATER MAIN, DUCTILE IRON (DI), 8-INCH	LF	348.000			348.000
3980	SPV.0090	SPECIAL 16. WATER MAIN, DUCTILE IRON (DI), 10-INCH	LF	135.000			135.000
3990	SPV.0090	SPECIAL 17. WATER MAIN, DUCTILE IRON (DI), 12-INCH	LF	4,468.000			4,468.000
4000	SPV.0090	SPECIAL 18. WATER SERVICE, COPPER, 1 1/2 INCH	LF	1,132.000			1,132.000
4010	SPV.0090	SPECIAL 19. SHOVEL CUT EDGING	LF	520.000	520.000		
4020	SPV.0090	SPECIAL 20. SAWING CURB HEAD	LF	163.000	163.000		
4030	SPV.0090	SPECIAL 21. CONCRETE CURB & GUTTER HES 30-INCH TYPE D	LF	343.000	343.000		
4040	SPV.0090	SPECIAL 22. SANITARY SEWER MAIN, POLYVINYL CHLORIDE (PVC), 8-INCH, SDR-26	LF	353.000		353.000	
4050	SPV.0090	SPECIAL 23. SANITARY SEWER ROCK EXCAVATION	LF	2,500.000		2,500.000	
4060	SPV.0090	SPECIAL 24. WATER MAIN ROCK EXCAVATION	LF	700.000			700.000
4070	SPV.0090	SPECIAL 25. SANITARY SEWER LATERAL, POLYVINYL CHLORIDE (PVC), 8 INCH	LF	15.000		15.000	
4080	SPV.0090	SPECIAL 26. CITY OF MADISON SANITARY SEWER LATERAL, POLYVINYL CHLORIDE (PVC), 6-IN	LF	117.000		117.000	
4090	SPV.0105	SPECIAL 01. CONCRETE PAVEMENT JOINT LAYOUT	LS	1.000	1.000		

3

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
4100	SPV.0105	SPECIAL 03. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & NICHOLS ROAD	LS	1.000	1.000		
4110	SPV.0105	SPECIAL 04. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & ST. TERESA TERRACE)	LS	1.000	1.000		
4120	SPV.0105	SPECIAL 05. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & DEAN AVENUE)	LS	1.000	1.000		
4130	SPV.0105	SPECIAL 06. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & SPRINGHAVEN AVENUE)	LS	1.000	1.000		
4140	SPV.0105	SPECIAL 07. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & LOFTY AVENUE)	LS	1.000	1.000		
4150	SPV.0105	SPECIAL 08. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & COLDSPRING AVENUE)	LS	1.000	1.000		
4160	SPV.0105	SPECIAL 09. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & PARKWAY STREET)	LS	1.000	1.000		
4170	SPV.0105	SPECIAL 10. TEMPORARY CROSSWALK ACCESS (MONONA DRIVE & WINNEQUAH ROAD)	LS	1.000	1.000		
4180	SPV.0105	SPECIAL 11. RESEARCH AND LOCATE EXISTING PROPERTY MONUMENTS	LS	1.000	1.000		
4190	SPV.0105	SPECIAL 12. VERIFY AND REPLACE EXISTING PROPERTY MONUMENTS	LS	1.000	1.000		
4200	SPV.0105	SPECIAL 13. OPTICAL SIGNAL PREEMPT	LS	1.000	1.000		
4210	SPV.0105	SPECIAL 14. TEMPORARY WATER, PROJECT 5994-00-78	LS	1.000			1.000
4220	SPV.0105	SPECIAL 15. ABANDONING WATER MAIN, PROJECT 5994-00-78	LS	1.000			1.000
4230	SPV.0105	SPECIAL 16. ABANDONING CITY OF MONONA SANITARY SEWER, PROJECT ID 5994-00-77	LS	1.000		1.000	
4240	SPV.0105	SPECIAL 17. ABANDONING CITY OF MADISON SANITARY SEWER, PROJECT 5994-00-77	LS	1.000		1.000	
4250	SPV.0105	SPECIAL 18. TEMP. LIGHTING FOR NON-SIGNALIZED INTERSECTIONS (ST. TERESA TERRACE)	LS	1.000	1.000		
4260	SPV.0105	SPECIAL 19. TEMP. LIGHTING FOR NON-SIGNALIZED INTERSECTIONS (SPRINGHAVEN AVENUE)	LS	1.000	1.000		
4270	SPV.0105	SPECIAL 20. TEMP. LIGHTING FOR NON-SIGNALIZED INTERSECTIONS (LOFTY AVENUE)	LS	1.000	1.000		
4280	SPV.0105	SPECIAL 21. TEMP. LIGHTING FOR NON-SIGNALIZED INTERSECTIONS (PARKWAY STREET)	LS	1.000	1.000		
4290	SPV.0105	SPECIAL 22. OIL DISPOSAL STONE VENEER WALL	LS	1.000	1.000		
4300	SPV.0105	SPECIAL 23. WASTEWATER CONTROL, CITY OF MADISON	LS	1.000		1.000	
4310	SPV.0105	SPECIAL 24. WASTEWATER CONTROL, CITY OF MONONA	LS	1.000		1.000	
4320	SPV.0105	SPECIAL 25. TRAFFIC SIGNAL FLASHER CABINET ASSEMBLY (STATION 94+33)	LS	1.000	1.000		
4330	SPV.0105	SPECIAL 26. TRAFFIC SIGNAL FLASHER CABINET ASSEMBLY (STATION 102+56)	LS	1.000	1.000		
4340	SPV.0105	SPECIAL 27. CONSTRUCTION STAKING SANITARY SEWER CITY OF MADISON	LS	1.000		1.000	
4350	SPV.0120	SPECIAL 01. WATER FOR SEEDED AREAS	MGAL	232.000	232.000		
4360	SPV.0165	SPECIAL 01. CONCRETE SIDEWALK HES 7-INCH	SF	7,380.000	7,380.000		
4370	SPV.0165	SPECIAL 02. STAMPED CONCRETE SIDEWALK 4-INCH	SF	3,270.000	3,270.000		

DATE 20NOV12 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	5994-00-72 QUANTITY	5994-00-77 QUANTITY	5994-00-78 QUANTITY
4380	SPV.0165	SPECIAL 03. CAST IRON TRUNCATED DOMES YELLOW	SF	448.000	448.000		
4390	SPV.0165	SPECIAL 04. SALVAGE AND REPLACE BRICK PAVERS	SF	80.000	80.000		
4400	SPV.0165	SPECIAL 05. WALL MODULAR BLOCK GRAVITY SPECIAL	SF	20.000	20.000		
4410	SPV.0180	SPECIAL 01. PARKING LOT EMULSION SEALCOAT	SY	1,155.000	1,155.000		
4420	SPV.0180	SPECIAL 02. SALVAGE AND REPLACE LANDSCAPING MULCH	SY	66.000	66.000		
4430	SPV.0180	SPECIAL 03. SALVAGE AND REPLACE LANDSCAPING STONE	SY	317.000	317.000		
4440	SPV.0180	SPECIAL 04. CONSTRUCTION STAKING PARKING LOTS SUBGRADE AND BASE	SY	9,666.000	9,666.000		
4450	SPV.0180	SPECIAL 05. CROSSWALK CONCRETE PAVEMENT 8-INCH	SY	654.000	654.000		
4460	SPV.0180	SPECIAL 06. CROSSWALK CONCRETE PAVEMENT 8 1/2-INCH	SY	234.000	234.000		
4470	SPV.0180	SPECIAL 07. SHREDDED HARDWOOD BARK MULCH	SY	914.000	914.000		
4480	SPV.0180	SPECIAL 08. TEMPORARY SURFACE SAME DAY	SY	135.000	135.000		
4490	SPV.0195	SPECIAL 01. EXCAVATION HAULING AND DISPOSAL OF CHLORINATED SOLVENT CONTAMINATED SOIL	TON	2,450.000	2,450.000		
4500	SPV.0200	SPECIAL 01. CONSTRUCT OUTSIDE DROP (8" SDR-35)	VF	2.300		2.300	

CLEARING AND GRUBBING

CATEGORY	STATION	OFFSET	201.0120 CLEARING ID	201.0220 GRUBBING ID
0010	61+45	118 'RT	15	15
	61+81	176 'RT	3	3
	63+87	52 'RT	28	28
	66+46	41 'LT	16	16
	68+72	48 'LT	5	5
	68+79	95 'LT	6	6
	68+91	33 'RT	40	40
	69+14	94 'LT	3	3
	69+19	37 'LT	5	5
	69+44	37 'LT	4	4
	69+50	93 'LT	4	4
	69+60	67 'LT	4	4
	69+77	35 'RT	40	40
	71+19	50 'LT	22	22
	72+69	45 'LT	22	22
	73+01	34 'LT	4	4
	73+10	35 'LT	4	4
	73+19	35 'LT	4	4
	73+31	34 'LT	4	4
	73+44	45 'LT	22	22
	74+64	44 'LT	34	34
	75+05	35 'RT	40	40
	75+25	99 'LT	4	4
	75+57	39 'LT	14	14
	75+95	36 'LT	8	8
	76+56	48 'LT	8	8
	76+90	47 'LT	6	6
	79+24	39 'LT	3	3
	79+24	41 'LT	3	3
	80+13	34 'LT	38	38
	81+55	41 'LT	18	18
	85+22	58 'LT	8	8
	86+39	32 'RT	40	40
	87+39	159 'LT	40	40
	87+39	228 'LT	24	24
	87+79	105 'LT	50	50
	87+80	158 'LT	36	36
	88+06	62 'LT	7	7
	88+18	47 'LT	8	8
	88+45	45 'LT	8	8
	89+15	43 'LT	26	26
	91+29	42 'RT	14	14
	95+07	68 'LT	15	15
	98+87	52 'RT	5	5
	99+38	49 'RT	5	5

CONT'D ABOVE

CLEARING AND GRUBBING (CONT'D)

CATEGORY	STATION	OFFSET	201.0120 CLEARING ID	201.0220 GRUBBING ID
0010 (CONT'D)	100+46	57 'RT	24	24
	101+09	130 'RT	3	3
	101+25	51 'RT	8	8
	101+27	56 'RT	10	10
	101+28	50 'RT	14	14
	101+30	45 'RT	14	14
	103+23	28 'RT	18	18
	103+72	42 'RT	5	5
	103+92	73 'RT	12	12
	104+37	34 'RT	10	10
	104+77	40 'RT	12	12
	105+07	35 'RT	18	18
	105+85	38 'RT	6	6
	106+05	32 'RT	32	32
	106+60	34 'RT	14	14
	107+01	33 'RT	30	30
	107+84	40 'LT	12	12
	108+03	35 'RT	34	34
	109+04	32 'RT	32	32
	109+57	33 'RT	22	22
	110+01	30 'RT	22	22
	110+32	32 'RT	24	24
	SUBTOTAL (0010)		1,093	1,093
0040	82+30	81 'LT	15	15
	82+90	84 'LT	15	15
	83+01	42 'LT	6	6
	83+06	51 'LT	6	6
	83+17	60 'LT	18	18
	83+26	72 'LT	15	15
	83+17	84 'LT	15	15
	83+33	102 'LT	6	6
	94+35	70 'RT	10	10
	94+39	81 'RT	10	10
	94+54	63 'RT	15	15
	94+62	128 'RT	24	24
	94+62	167 'RT	17	17
	94+86	225 'RT	6	6
	94+98	139 'RT	17	17
	95+01	99 'RT	4	4
	95+19	53 'RT	10	10
	SUBTOTAL (0040)		209	209
	TOTALS		1,302	1,302

REMOVING PAVEMENT

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0100 SY
0010	STAGE 1	61+83 - 70+95	LT	90
		70+95 - 87+64	LT	200
		87+64 - 92+26	LT	170
		92+26 - 96+81	LT	250
		96+81 - 100+81	LT	75
		100+81 - 107+54	LT	150
		107+54 - 111+24	LT	6
		SUBTOTAL (STAGE 1)		941
	STAGE 2	58+90 - 61+83	RT	15
		87+64 - 92+26	RT	20
		92+26 - 96+81	RT	25
		107+54 - 111+24	RT	15
		SUBTOTAL (STAGE 2)		75
	STAGE 3	58+90 - 61+83	RT/LT	2,400
		61+83 - 70+95	RT/LT	4,050
		70+95 - 87+64	LT	6,300
		87+64 - 92+26	LT	1,850
		92+26 - 96+81	LT	2,000
		96+81 - 100+81	LT	1,700
		100+81 - 107+54	LT	2,650
		107+54 - 111+24	LT	1,300
		SUBTOTAL (STAGE 3)		22,250
	STAGE 4	61+83 - 70+95	RT	1,600
		70+95 - 87+64	RT	2,600
		87+64 - 92+26	RT	720
		92+26 - 96+81	RT	520
		96+81 - 100+81	RT	510
		100+81 - 107+54	RT	1,000
		107+54 - 111+24	RT	680
		SUBTOTAL (STAGE 4)		7,630
		SIDEWALK CROSSINGS	RT/LT	880
			TOTAL	31,776

EARTHWORK SUMMARY

DIVISION	CATEGORY	STAGE	STATION - STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2) CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) 5% OF CUT CY	UNUSABLE PAVEMENT MATERIAL CY	AVAILABLE MATERIAL (4) CY	REDUCED EBS IN FILL (5) FACTOR 0.80 CY	EXPANDED EBS BACKFILL (6) FACTOR 1.30 CY	UNEXPANDED FILL CY	EXPANDED FILL (7) FACTOR 1.25 CY	MASS ORDINATE +/- (8)	WASTE CY	312.0110* SELECT CRUSHED MATERIAL (9) TON
1	0010	STAGE 1 PHASE 1	18+53 - 219+79	MAINLINE	48	2	0	48	2	3	5	6	41	41	5
2	0010	STAGE 1 PHASE 2	62+50 - 113+50	MAINLINE	2,015	101	441	1,574	81	131	104	131	1,443	1,443	230
3	0010	STAGE 2	58+00 - 111+18	MAINLINE	9,918	496	396	9,522	397	645	38	48	9,474	9,474	1,150
4	0010	STAGE 3 PHASE I & II	58+00 - 111+23	MAINLINE	14,255	713	4,835	9,420	570	927	16	21	9,400	9,400	1,600
4	0010	STAGE 3 PHASE III & IV	58+90 - 62+50	MAINLINE	905	45	331	574	36	59	31	39	535	535	100
5	0010	STAGE 4	62+50 - 111+25	MAINLINE	12,226	611	1,908	10,318	489	795	265	332	9,986	9,986	1,400
6	0010	STAGE 5	89+55 - 94+00	MAINLINE	186	9	33	154	7	12	0	0	154	154	20
7	0010	STAGE 6	58+00 - 105+00	MAINLINE	1,319	66	387	932	53	86	198	247	685	685	150
8	0010	---	---	SIDEROADS	2,459	123	429	2,030	98	160	89	111	1,919	1,919	280
	SUBTOTALS (0010)				43,333	2,167	8,760	34,572	1,733	2,817	748	934	33,637	33,637	4,935
9	0020	---	---	PARKING LOTS LT	2,254	113	468	1,785	90	147	---	---	2,254	2,254	260
9	0020	---	---	PARKING LOTS RT	319	16	77	242	13	21	---	---	319	319	35
	SUBTOTALS (0020)				2,573	129	546	2,027	103	167	0	0	2,573	2,573	295
9	0040	---	---	PARKING LOTS LT	144	7	50	94	6	9	---	---	144	144	15
9	0040	---	---	PARKING LOTS RT	591	30	51	541	24	38	---	---	591	591	65
	SUBTOTALS (0040)				735	37	101	635	29	48	0	0	735	735	80
	TOTALS				46,641	2,333	9,406	37,234	1,866	3,032	748	934	36,946	36,946	5,310

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.

2) SALVAGED PAVEMENT MATERIAL IS INCLUDED IN CUT.

3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.

4) AVAILABLE MATERIAL = CUT - UNUASABLE PAVEMENT MATERIAL.

5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.8.

6) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL FACTOR = 1.30.

7) EXPANDED FILL = UNEXPANDED FILL * EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.

8) MASS ORDINATE: MASS ORDINATE = (CUT - UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)
PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

9) USED FOR BACKFILL OF EBS

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PARTIAL WALL REMOVAL AND RECONSTRUCTION SUMMARY

CATEGORY	STATION	LOCATION	204.0185 REMOVING MASONRY CY	*690.0250 SAWING CONCRETE LF
0020	63+15	LT	0.60	9

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING FENCE

CATEGORY	STATION	OFFSET	204.0170 LF
0020	105+43	34.3' RT	40
	105+93	31.9' RT	10
	11+45 N	39.8' LT	25
		TOTAL	75

REMOVING CURB

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0130 LF
0020	STAGE 1	58+90 - 61+83	LT	65
		61+83 - 70+95	LT	270
		70+95 - 87+64	LT	25
		107+54 - 111+24	LT	250
		SUBTOTAL (STAGE 1)		610
	STAGE 2	87+64 - 92+26	RT	190
		SUBTOTAL (STAGE 2)		190
	STAGE 4	87+64 - 92+26	RT	50
		SUBTOTAL (STAGE 4)		50
			TOTAL	850

REMOVING CONCRETE SIDEWALK

CATEGORY		STATION - STATION	LOCATION	204.0155 SY
0010	STAGE 1	58+90 - 87+64	LT	1,520
		87+64 - 111+24	LT	1,410
		SUBTOTAL (STAGE 1)		2,930
	STAGE 2	58+90 - 87+64	RT	250
		87+64 - 111+24	RT	775
		SUBTOTAL (STAGE 2)		1,025
	STAGE 3	58+90 - 87+64	LT	97
		58+90 - 87+64	RT	130
		SUBTOTAL (STAGE 3)		227
	STAGE 4	87+64 - 111+24	RT	135
		SUBTOTAL (STAGE 4)		135
		SUBTOTAL (0010)		4,317
0020	STAGE 1	58+90 - 87+64	LT	29
		87+64 - 111+24	LT	61
		SUBTOTAL (STAGE 1)		90
	STAGE 2	58+90 - 87+64	RT	2
		87+64 - 111+24	RT	120
		SUBTOTAL (STAGE 2)		122
		SUBTOTAL (0020)		212
0040	STAGE 4	87+64 - 111+24	RT	120
		SUBTOTAL (0040)		120
			TOTAL	4,649

REMOVING CURB AND GUTTER

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0150 LF
0010	STAGE 2	58+90 - 61+83	RT	390
		61+83 - 70+95	RT	890
		70+95 - 87+64	RT	1,650
		87+64 - 92+26	RT	470
		92+26 - 96+81	RT	450
		96+81 - 100+81	RT	410
		100+81 - 107+54	RT	680
		107+54 - 111+24	RT	360
		SUBTOTAL (STAGE 2)		5,300
	STAGE 3	58+90 - 61+83	LT	90
		58+90 - 61+83	RT	170
		61+83 - 70+95	LT	90
		61+83 - 70+95	RT	150
		70+95 - 87+64	LT	270
		87+64 - 92+26	LT	240
		92+26 - 96+81	LT	50
		96+81 - 100+81	LT	130
		100+81 - 107+54	LT	160
		107+54 - 111+24	LT	45
		SUBTOTAL (STAGE 3)		1,395
	STAGE 4	96+81 - 100+81	RT	95
		100+81 - 107+54	RT	95
		SUBTOTAL (STAGE 3)		190
		SUBTOTAL (0010)		6,885
0020	STAGE 1	58+90 - 61+83	LT	310
		61+83 - 70+95	LT	500
		70+95 - 87+64	LT	40
		SUBTOTAL (STAGE 1)		850
	STAGE 2	87+64 - 92+26	RT	180
		92+26 - 96+81	RT	410
		SUBTOTAL (STAGE 2)		590
	STAGE 4	87+64 - 92+26	RT	6
		92+26 - 96+81	RT	95
		SUBTOTAL (STAGE 4)		101
		SUBTOTAL (0020)		1,541
0040	STAGE 1	61+83 - 70+95	LT	260
		SUBTOTAL (STAGE 1)		260
	STAGE 4	92+26 - 96+81	RT	25
		SUBTOTAL (STAGE 4)		25
		SUBTOTAL (0040)		285
			TOTAL	8,711

REMOVING CONCRETE BASES

CATEGORY	STATION	OFFSET	204.0195 EACH
0010	61+13	41.0 'RT	1
	61+44	41.0 'RT	1
	61+46	33.0 'LT	1
	61+46	45.0 'LT	1
	61+53	50.0 'RT	1
	61+57	43.0 'LT	1
	62+15	43.0 'LT	1
	62+16	48.0 'RT	1
	62+25	34.0 'LT	1
	62+26	40.0 'RT	1
	87+15	26.0 'RT	1
	87+16	26.0 'LT	1
	87+34	46.0 'RT	1
	87+35	42.0 'LT	1
	87+36	43.0 'RT	1
	87+81	36.0 'RT	1
	87+81	42.0 'LT	1
	87+99	26.0 'LT	1
	87+99	27.0 'RT	1
	SUBTOTAL (0010)		19
0020	60+24	32.0 'LT	1
	61+38	31.0 'LT	1
	73+51	34.0 'LT	1
	93+85	38.0 'RT	1
	95+06	69.0 'LT	1
	96+06	26.0 'RT	1
	97+06	35.0 'LT	1
	97+31	33.0 'RT	1
	97+56	26.0 'LT	1
	107+24	34.0 'LT	1
	108+59	29.0 'RT	1
	110+95	31.0 'LT	1
	SUBTOTAL (0020)		12
0040	12+08 HS	18.0 'RT	1
	SUBTOTAL (0040)		1
0050	100+35	27.0 'RT	1
	100+40	27.0 'LT	1
	100+57	43.0 'RT	1
	100+63	41.0 'LT	1
	101+04	45.0 'LT	1
	101+06	48.0 'RT	1
	101+09	62.0 'RT	1
	101+29	27.0 'LT	1
	101+29	29.0 'RT	1
	SUBTOTAL (0050)		9
		TOTAL	41

3

REMOVING MANHOLES

CATEGORY	STATION	OFFSET	204.0210 *EACH
0010	87+73	25.8 'LT	1
	61+30	27.4 'RT	1
	61+77	26.8 'RT	1
	64+31	28.2 'RT	1
	65+18	27.1 'RT	1
		TOTAL	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING INLETS

CATEGORY	STATION	OFFSET	204.0220 EACH
0010	61+27	28.8 'LT	1
	61+30	38.1 'RT	1
	61+62	58.4 'RT	1
	62+11	49.6 'RT	1
	64+31	27.4 'LT	1
	64+31	34.0 'RT	1
	66+59	23.4 'LT	1
	66+59	24.1 'RT	1
	66+70	23.7 'LT	1
	66+71	24.2 'RT	1
	70+60	24.0 'RT	1
	70+79	41.2 'LT	1
	71+14	40.8 'LT	1
	75+15	24.0 'RT	1
	76+94	24.0 'RT	1
	79+32	24.2 'LT	1
	79+34	24.0 'RT	1
	79+39	29.3 'RT	1
	87+19	25.0 'LT	1
	87+37	39.8 'RT	1
	87+76	40.9 'RT	1
	87+96	24.6 'RT	1
	88+10	24.0 'LT	1
	92+74	24.1 'RT	1
	92+76	24.0 'LT	1
	106+95	24.1 'RT	1
	106+97	23.9 'LT	1
	107+11	24.2 'LT	1
	107+16	24.1 'RT	1
	108+23	24.1 'LT	1
		TOTAL	30

REMOVING STORM SEWER

CATEGORY	STATION - STATION	OFFSET	204.0245 .01 6-INCH LF	.02 8-INCH LF	.03 12-INCH LF	.04 15-INCH LF	.05 18-INCH LF	.06 24-INCH LF	.07 30-INCH LF	.08 36-INCH LF	.09 42-INCH LF
0010	61+27 - 61+30	RT/LT	---	---	67	---	---	---	---	---	---
	61+61 - 61+66	RT	---	---	5	---	---	---	---	---	---
	61+63 - 61+77	RT	---	---	---	---	42	---	---	---	---
	61+78 - 62+11	RT	---	---	40	---	---	---	---	---	---
	64+31 - 64+31	RT/LT	---	---	61	---	---	---	---	---	---
	65+17 - 66+70	LT	---	---	---	---	150	---	---	---	---
	65+18 - 65+19	RT	---	---	---	---	20	---	---	---	---
	65+19 - 65+24	RT	---	10	---	---	---	---	---	---	---
	66+70 - 70+60	RT	---	---	---	---	---	390	---	---	---
	70+60 - 70+79	RT/LT	---	---	---	---	68	---	---	---	---
	70+60 - 79+32	RT	---	---	---	---	870	---	---	---	---
	70+79 - 71+14	LT	---	---	35	---	---	---	---	---	---
	75+13 - 75+13	RT/LT	---	---	56	---	---	---	---	---	---
	76+95 - 76+95	RT/LT	---	---	55	---	---	---	---	---	---
	79+32 - 79+34	RT/LT	---	---	---	48	---	---	---	---	---
	79+32 - 79+35	LT	---	6	---	---	---	---	---	---	---
	79+34 - 79+46	RT	---	---	17	---	---	---	---	---	---
	79+35 - 79+39	RT	5	---	---	---	---	---	---	---	---
	79+36 - 79+39	RT	5	---	---	---	---	---	---	---	---
	87+19 - 87+73	LT	---	---	---	---	55	---	---	---	---
	87+37 - 87+76	RT	---	---	---	---	40	---	---	---	---
	87+73 - 87+76	RT/LT	---	---	---	---	67	---	---	---	---
	87+74 - 87+76	RT	---	---	---	---	17	---	---	---	---
	87+73 - 87+74	LT	---	---	---	36	---	---	---	---	---
	87+73 - 88+10	LT	---	---	---	37	---	---	---	---	---
	87+76 - 87+95	RT	---	---	25	---	---	---	---	---	---
	87+76 - 87+95	RT	25	---	---	---	---	---	---	---	---
	88+10 - 92+75	LT	---	---	465	---	---	---	---	---	---
	92+76 - 92+76	RT/LT	---	---	65	---	---	---	---	---	---
	106-94 - 107+16	RT	---	---	21	---	---	---	---	---	---
	106+97 - 107+11	LT	---	---	14	---	---	---	---	---	---
	107+11 - 107+16	RT/LT	---	---	---	---	49	---	---	---	---
	107+16 - 111+23	RT/LT	---	---	---	---	---	---	415	---	---
	108+23 - 108+26	LT	---	---	4	---	---	---	---	---	---
SUBTOTAL (0010)			35	16	930	121	1,378	390	415	0	0
0020	59+95 - 61+29	RT	---	---	---	---	---	---	---	---	135
	61+30 - 66+70	RT	---	---	---	---	---	---	---	540	---
	65+17 - 65+18	RT/LT	---	---	---	---	---	---	---	68	---
	7+40 D - 9+38 D	LT	---	---	---	200	---	---	---	---	---
	10+57 D - 10+80 D	LT	---	---	---	---	22	---	---	---	---
SUBTOTAL (0020)			0	0	0	200	22	0	0	608	135
		TOTALS	35	16	930	321	1,400	390	415	608	135

REMOVING CONCRETE BUMPERS

CATEGORY	STATION - STATION	LOCATION	204.9060.S.02 EACH
0040	73+31 - 73+60	90.0 'LT	3
	75+90 - 76+49	40.5 'LT	7
	89+87 - 90+07	97.5 'LT	2
	94+10 - 95+04	67.0 'LT	10
	98+85 - 98+87	48.5 'LT	2
		TOTAL	24

REMOVING WOODEN POST

CATEGORY	STATION	LOCATION	204.9060.S.03 EACH
0040	72+22	52.7 'LT	1
	72+22	61.8 'LT	1
	72+28	38.2 'LT	1
		TOTAL	3

REMOVING COMMERCIAL SIGNS

CATEGORY	LOCATION	204.9060.S.04 EACH
0040	UNDISTRIBUTED	7

REMOVING YELLOW WARNING FLASHER UNIT

CATEGORY	STATION	OFFSET	204.9060.S.07 EACH
0020	94+13	26.1' RT	1
	102+52	26.2' LT	1
		TOTAL	2

REMOVING STONE VENEER WALL

CATEGORY	STATION	LOCATION	204.9060.S.05 EACH
0020	61+15	52.3 'RT	1
	61+42	66.6 'RT	1
		TOTAL	2

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	5994-00-72	1

REMOVING DECORATIVE LIGHT POLE AND LUMINAIRE

CATEGORY	STATION	LOCATION	204.9060.S.06 EACH
0020	61+37	30.9' LT	1

REMOVING LANDSCAPING TIMBERS

CATEGORY	STATION - STATION	LOCATION	204.9090.S.01 LF
0040	62+18 - 62+79	38.8 'LT	68
	87+98 - 88+04	52.1 'LT	8
	88+12 - 88+20	41.4 'LT	8
	91+42 - 91+80	32.9 'RT	44
	91+96 - 92+12	48.6 'LT	31
	93+02 - 93+17	33.3 'RT	15
	102+60 - 102+86	55.0 'RT	50
	104+37 - 104+54	35.1 'LT	11
		TOTAL	235

REMOVING LANDSCAPING BLOCKS

CATEGORY	STATION - STATION	LOCATION	204.9090.S.02 LF
0040	63+27 - 63+57	48.5 'RT	34
	103+21 - 103+24	28.0 'RT	10
		TOTAL	44

REMOVING CONCRETE STEPS

CATEGORY	STATION	LOCATION	204.9165.S.01 SF
0020	100+41	LT	14
	101+33	LT	32
		TOTAL	46

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

CATEGORY	STATION	LOCATION	205.0501.S TON
0030	87+22	39.0 'LT	75

EXCAVATION, HAULING, AND DISPOSAL OF CHLORINATED SOLVENT CONTAMINATED SOIL

CATEGORY	STATION - STATION	LOCATION	SPV.0195.01 TON
0030	92+50 - 94+75	RT	2,450

REMOVING PULL BOXES

CATEGORY	STATION	OFFSET	653.0905 EACH
0010	61+33	30.9' LT	1
	61+40	39.4' RT	1
	61+60	58.1' LT	1
	62+21	33.5' LT	1
	62+22	40.1' RT	1
	62+56	29.4' LT	1
	63+62	29.8' LT	1
	64+96	30.2' LT	1
	85+78	26.0' RT	1
	87+78	46.5' RT	1
	89+35	25.2' LT	1
	8+95 D	26.0' RT	1
	SUBTOTAL (0010)		12
0050	98+04	25.1' RT	1
	103+99	25.8' LT	1
	9+03 CW	17.7' RT	1
	10+63 CE	15.8' RT	1
	10+64 CE	25.8' RT	1
	SUBTOTAL (0050)		5
		TOTAL	17

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

CATEGORY	LOCATION	460.4110.S LF	REMARKS
0010	MAINLINE	4,720	STAGE 3 - STAGE 6
	SIDEROADS	2,450	STAGE 3 & STAGE 4
	TOTAL	7,170	

BASE AGGREGATE DENSE

CATEGORY	STAGE	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	312.0110* SELECT CRUSHED MATERIAL TON
0010	STAGE 1	61+83 - 70+95	LT	100	160	---	---
		70+95 - 87+64	LT	200	260	---	---
		87+64 - 92+26	LT	60	25	---	---
		92+26 - 96+81	LT	55	25	---	---
		96+81 - 100+81	LT	35	75	---	---
		100+81 - 107+54	LT	65	75	---	---
		107+54 - 111+24	LT	55	15	---	---
		9+00 ST - 10+00 ST	LT	4	15	---	---
		7+00 D - 10+00 D	RT	---	65	---	---
		7+00 D - 10+00 D	LT	20	45	---	---
		SUBTOTALS (STAGE 1 (0010))		594	760	0	0
	STAGE 2	58+90 - 61+83	RT	---	270	---	---
		61+83 - 70+95	RT	---	920	---	---
		70+95 - 87+64	RT	---	2,550	---	---
		87+64 - 92+26	RT	---	790	---	---
		92+26 - 96+81	RT	---	860	---	---
		96+81 - 100+81	RT	---	670	---	---
		100+81 - 107+54	RT	---	850	---	---
		107+54 - 111+24	RT	---	280	---	---
		SUBTOTALS (STAGE 2 (0010))		0	7,190	0	0
	STAGE 3	58+90 - 61+83	LT	7	500	---	800
		58+90 - 61+83	RT	65	430	---	850
		61+83 - 70+95	LT	1	1,500	---	2,350
		61+83 - 70+95	RT	30	130	4	250
		70+95 - 87+64	LT	4	2,650	---	4,250
		87+64 - 92+26	LT	2	770	---	1,250
		92+26 - 96+81	LT	3	760	---	1,200
		96+81 - 100+81	LT	4	660	---	1,050
		100+81 - 107+54	LT	5	940	---	1,750
		107+54 - 111+24	LT	2	460	---	920
		8+50 N - 10+00 N	LT	---	75	---	---
		8+50 N - 10+00 N	RT	---	120	---	---
		10+00 N -12+51 N	LT	---	270	---	---
		10+00 N -12+51 N	RT	---	380	---	---
		9+00 ST - 10+00 ST	LT	---	60	---	---
		9+00 ST - 10+00 ST	RT	---	60	---	---
		7+00 D - 10+00 D	LT	---	370	---	---
		7+00 D - 10+00 D	RT	15	350	---	---
		9+25 S - 10+00 S	LT	---	35	---	---
		9+25 S - 10+00 S	RT	---	25	---	---
		9+25 L - 10+00 L	LT	---	30	---	---
		9+25 L - 10+00 L	RT	---	30	---	---
		8+71 CW - 10+00 CW	LT	---	110	---	---
		8+71 CW - 10+00 CW	RT	---	130	---	---
		8+62 P - 10+00 P	LT	---	60	---	---
		8+62 P - 10+00 P	RT	---	85	---	---
		SUBTOTALS (STAGE 3 (0010))		138	10,990	4	14,670
	STAGE 4	61+83 - 70+95	RT	---	1,200	260	2,100
		70+95 - 87+64	RT	10	2,400	500	4,200
		87+64 - 92+26	RT	50	510	---	970
		92+26 - 96+81	RT	70	500	---	990

CONT'D ABOVE

BASE AGGREGATE DENSE (CONT'D)

CATEGORY	STAGE	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	312.0110* SELECT CRUSHED MATERIAL TON
0010	STAGE 4 (CONT'D)	96+81 - 100+81	RT	60	520	---	1,050
		100+81 - 107+54	RT	80	930	---	1,550
		107+54 - 111+24	RT	55	430	---	730
		10+00 D - 12+66 D	LT	1	330	---	---
		10+00 D - 12+66 D	RT	8	360	---	---
		10+00 CE - 11+55 CE	RT	15	150	---	---
		10+00 CE - 11+55 CE	LT	15	150	---	---
		10+00 CE - 11+55 CE	RT	---	---	---	---
		SUBTOTALS (STAGE 4 (0010))		364	7,480	760	11,590
	STAGE 5	87+64 - 92+26	MEDIAN	---	40	---	80
		92+26 - 96+81	MEDIAN	---	35	---	70
		SUBTOTALS (STAGE 5 (0010))		0	75	0	150
	STAGE 6	58+90 - 61+83	MEDIAN	9	40	---	75
		61+83 - 70+95	MEDIAN	20	120	---	240
		70+95 - 87+64	MEDIAN	25	170	---	350
		87+64 - 92+26	MEDIAN	10	25	---	45
		92+26 - 96+81	MEDIAN	4	35	---	70
		96+81 - 100+81	MEDIAN	6	25	---	55
		100+81 - 107+54	MEDIAN	6	40	---	80
		SUBTOTALS (STAGE 6 (0010))		80	455	0	915
		SUBTOTALS (0010)		1,176	26,950	764	27,325
0020	STAGE 1	61+83 - 70+95	LT	5	800	---	---
		70+95 - 87+64	LT	6	1,600	---	---
		87+64 - 92+26	LT	10	210	---	---
		92+26 - 96+81	LT	---	700	---	---
		96+81 - 100+81	LT	7	130	---	---
		100+81 - 107+54	LT	3	70	---	---
		107+54 - 111+24	LT	---	20	---	---
		SUBTOTALS (STAGE 1 (0020))		31	3,530	0	0
	STAGE 3	58+90 - 61+83	LT	---	---	---	---
		58+90 - 61+83	RT	---	3	---	---
		61+83 - 70+95	LT	---	15	---	---
		61+83 - 70+95	RT	---	---	---	---
		70+95 - 87+64	LT	---	25	---	---
		87+64 - 92+26	LT	---	3	---	---
		92+26 - 96+81	LT	---	---	---	---
		96+81 - 100+81	LT	---	8	---	---
		100+81 - 107+54	LT	---	15	---	---
		107+54 - 111+24	LT	---	2	---	---
		8+50 N - 10+00 N	LT	---	5	---	---
		9+00 ST - 10+00 ST	LT	---	8	---	---
		8+71 CW - 10+00 CW	RT	---	---	---	---
		SUBTOTALS (STAGE 3 (0020))		0	84	0	0

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BASE AGGREGATE DENSE (CONT'D)

CATEGORY	STAGE	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	312.0110* SELECT CRUSHED MATERIAL TON
0020	STAGE 4	87+64 - 92+26	RT	---	400	---	---
		92+26 - 96+81	RT	---	480	---	---
		96+81 - 100+81	RT	---	25	---	---
		100+81 - 107+54	RT	6	140	---	---
		107+54 - 111+24	RT	---	60	---	---
		SUBTOTALS (STAGE 4 (0020))		30	1,945	0	0
	STAGE 6	58+90 - 61+83	MEDIAN	---	---	---	---
		61+83 - 70+95	MEDIAN	---	---	---	---
		70+95 - 87+64	MEDIAN	---	---	---	---
		87+64 - 92+26	MEDIAN	---	---	---	---
		92+26 - 96+81	MEDIAN	---	---	---	---
		96+81 - 100+81	MEDIAN	---	---	---	---
		100+81 - 107+54	MEDIAN	---	---	---	---
		SUBTOTALS (STAGE 6 (0020))		0	0	0	0
		SUBTOTALS (0020)		61	5,559	0	0
0040	STAGE 1	70+95 - 87+64	LT	1	620	---	---
		SUBTOTALS (STAGE 1 (0040))		1	620	0	0
	STAGE 4	92+26 - 96+81	RT	45	770	---	---
		SUBTOTALS (STAGE 4 (0040))		45	770	0	0
		SUBTOTALS (0040)		46	1,390	0	0
		TOTALS		1,283	33,899	764	27,325

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC CURB

CATEGORY	STAGE	STATION - STATION	LOCATION	465.0310 LF	REMARK
0010	STAGE 2	60+24.4 - 60+75.2	RT	50	
		86+66.9 - 87+32.7	RT	66	
		88+38.9 - 88+88.9	RT	50	
		SUBTOTAL (STAGE 2 (0010))		166	
		SUBTOTAL (0010)		166	
0020	STAGE 1	58+90.0 - 111+24.0	LT	65	PARKING LOT INLET LOCATIONS
		SUBTOTAL (STAGE 1 (0020))		65	
		SUBTOTAL (0020)		65	
			TOTAL	231	

ASPHALTIC FLUMES

CATEGORY	STAGE	STATION	LOCATION	465.0315 SY
0020	STAGE 1	62+73	42.2' LT	4
		69+06	44.5' LT	2
		71+42	44.6' LT	2
		72+80	48.5' LT	4
		73+00	48.6' LT	4
		86+25	49.3' LT	8
			TOTAL	24

CONCRETE DRIVEWAY HES 7-INCH

CATEGORY	STATION	OFFSET	416.0270 SY
0020	58+20	35.2' RT	15
	62+96	32.2' LT	15
	63+28	32.4' LT	10
	64+16	32.4' LT	10
	65+80	32.5' LT	35
	68+13	32.4' LT	20
	68+88	32.4' LT	15
	72+52	32.4' LT	15
	74+85	32.4' LT	15
	76+75	32.4' LT	15
	78+19	32.4' LT	15
	79+02	32.4' LT	15
	79+85	32.4' LT	15
	80+73	32.4' LT	7
	81+32	32.4' LT	20
	81+90	32.4' LT	10
	82+34	32.4' LT	15
	85+55	32.7' LT	15
	86+49	35.2' LT	15
	89+22	35.4' RT	20
	89+76	32.9' RT	15
	90+42	29.4' LT	15
	91+05	29.4' RT	15
	91+97	29.4' RT	15
	93+29	32.2' RT	15
	94+62	40.6' RT	15
	97+94	29.2' LT	15
	98+75	29.2' LT	15
	99+10	29.2' LT	10
	99+96	29.2' LT	55
	101+61	29.1' LT	25
	102+32	29.2' LT	30
	102+55	41.4' RT	10
	102+91	29.2' LT	10
	103+57	29.2' LT	10
	103+57	39.6' RT	10
	103+83	29.2' LT	10
	104+22	35.4' RT	10
	104+62	29.1' LT	45
	105+74	29.4' RT	7
	105+76	29.1' LT	8
	106+33	29.1' LT	8
	106+38	29.4' RT	9
	107+41	24.9' RT	9
	108+40	29.4' RT	10
	109+60	29.2' LT	15
	110+77	29.3' RT	8
	9+22 N	26.6' LT	30
	9+26 ST	20.2' LT	30
	7+91 D	20.5' LT	30
	8+90 D	30.0' RT	40
	11+13 D	20.7' RT	15
	11+14 D	20.7' LT	25
	11+80 D	22.9' RT	20
	8+22 CW	23.9' RT	20
	TOTAL		941

CONCRETE PAVEMENT ITEMS

CATEGORY		STATION - STATION	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.1080 CONCRETE PAVEMENT HES 8-INCH SY	SPV.0180.05 CROSSWALK CONCRETE PAVEMENT 8-INCH SY	SPV.0180.06 CROSSWALK CONCRETE PAVEMENT 8 1/2-INCH SY	*SPV.0035.03 COLORING CONCRETE MONONA DRIVE RED CY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	415.0210 CONCRETE PAVEMENT GAPS EACH
0010	STAGE 3	58+90 - 61+83	LT	---	960	---	---	47	11	---	104	0
		58+90 - 61+83	RT	---	995	---	---	61	14	47	161	0
		61+83 - 70+95	LT	1,860	315	635	18	56	17	---	165	5
		61+83 - 70+95	RT	---	315	---	---	49	12	---	108	0
		70+95 - 87+64	LT	3,560	---	1,390	90	---	20	---	196	11
		87+64 - 92+26	LT	1,360	---	115	66	---	15	---	146	1
		92+26 - 96+81	LT	1,430	---	---	64	---	14	---	142	0
		96+81 - 100+81	LT	865	---	405	84	---	19	---	183	3
		100+81 - 107+54	LT	440	---	345	42	---	9	---	92	3
		SUBTOTALS (STAGE 3 (0010))		9,515	2,585	2,890	364	213	131	47	1,297	23
	STAGE 4	61+83 - 70+95	RT	2,440	---	---	---	---	---	---	---	0
		70+95 - 87+64	RT	4,890	---	---	71	---	16	---	145	0
		87+64 - 92+26	RT	745	---	315	42	---	9	---	94	4
		92+26 - 96+81	RT	920	---	185	13	---	3	---	50	2
		96+81 - 100+81	RT	1,230	---	---	67	---	15	---	143	0
		100+81 - 107+54	RT	690	---	115	43	---	10	---	97	1
		SUBTOTALS (STAGE 4 (0010))		10,915	0	615	236	0	53	0	529	7
	STAGE 5	87+64 - 92+26	RT	180	---	160	---	---	---	---	---	0
		92+26 - 96+81	RT	110	---	110	---	---	---	---	---	0
		SUBTOTALS (STAGE 5 (0010))		290	0	270	0	0	0	0	0	0
	STAGE 6	58+90 - 61+83	MEDIAN	---	260	---	---	10	2	---	39	0
		61+83 - 70+95	MEDIAN	600	75	190	---	11	3	---	26	4
		70+95 - 87+64	MEDIAN	785	---	425	11	---	2	---	26	9
		87+64 - 92+26	MEDIAN	125	---	27	11	---	2	---	24	3
		92+26 - 96+81	MEDIAN	200	---	82	10	---	2	---	---	4
		96+81 - 100+81	MEDIAN	130	---	44	11	---	2	---	26	1
		100+81 - 107+54	MEDIAN	210	---	30	11	---	2	---	26	0
		SUBTOTALS (STAGE 6 (0010))		2,050	335	798	54	21	15	0	167	21
		TOTALS		22,770	2,920	4,573	654	234	199	47	1,993	51

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	455.0105 ASPHALTIC MATERIAL PG 58-28 TON	455.0115 ASPHALTIC MATERIAL PG 64-22 TON	455.0120 ASPHALTIC MATERIAL PG 64-28 TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1103 HMA PAVEMENT TYPE E-3 TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (PARKING LOTS) TON
0010	STAGE 3	100+81 - 107+54	LT	---	11	9	31	---	380	---	---
		107+54 - 111+24	LT	---	10	8	28	---	340	---	---
		8+50 N - 10+00 N	LT	---	1	1	2	---	24	---	---
		8+50 N - 10+00 N	RT	---	1	1	3	---	24	---	---
		10+00 N -12+51 N	LT	---	2	2	8	---	82	---	---
		10+00 N -12+51 N	RT	---	3	3	10	---	94	---	---
		9+00 ST - 10+00 ST	LT	---	1	1	2	---	17	---	---
		9+00 ST - 10+00 ST	RT	---	1	1	2	---	17	---	---
		9+25 S - 10+00 S	LT	---	0	0	1	---	11	---	---
		9+25 S - 10+00 S	RT	---	0	0	1	---	8	---	---

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ASPHALTIC ITEMS (CONT'D)

CATEGORY	STAGE	STATION - STATION	LOCATION	455.0105 ASPHALTIC MATERIAL PG 58-28 TON	455.0115 ASPHALTIC MATERIAL PG 64-22 TON	455.0120 ASPHALTIC MATERIAL PG 64-28 TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1103 HMA PAVEMENT TYPE E-3 TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (PARKING LOTS) TON
0010 (CONT'D)	STAGE 3	9+25 L - 10+00 L	LT	---	0	0	1	---	9	---	---
		9+25 L - 10+00 L	RT	---	0	0	1	---	9	---	---
		8+71 CW - 10+00 CW	LT	---	1	1	3	---	30	---	---
		8+71 CW - 10+00 CW	RT	---	1	1	3	---	30	---	---
		7+00 D - 10+00 D	LT	---	3	3	11	---	110	---	---
		7+00 D - 10+00 D	RT	---	3	3	11	---	105	---	---
		8+62 P - 10+00 P	LT	---	0	0	2	---	15	---	---
		8+62 P - 10+00 P	RT	---	0	0	2	---	15	---	---
		SUBTOTALS (STAGE 3 (0010))		0	38	33	120	0	1,320	0	0
	STAGE 4	61+83 - 70+95	RT	7	---	---	19	125	---	---	---
		70+95 - 87+64	RT	13	---	---	36	240	---	---	---
		100+81 - 107+54	RT	---	11	8	30	---	365	---	---
		107+54 - 111+24	RT	---	10	7	27	---	325	---	---
		10+00 D - 12+66 D	LT	---	3	3	10	---	98	---	---
		10+00 D - 12+66 D	RT	---	3	3	10	---	100	---	---
		10+00 CE - 11+55 CE	RT	---	1	1	5	---	45	---	---
		10+00 CE - 11+55 CE	LT	---	1	1	5	---	45	---	---
		SUBTOTALS (STAGE 4 (0010))		20	29	23	141	365	978	0	0
	STAGE 6	100+81 - 107+54	MEDIAN	---	1	1	3	---	34	---	---
		SUBTOTALS (STAGE 6 (0010))		0	1	1	3	0	34	0	0
		SUBTOTALS (0010)		20	67	57	264	365	2332	0	0
0020	STAGE 1	61+83 - 70+95	LT	---	---	---	---	---	---	10	180
		70+95 - 87+64	LT	---	---	---	---	---	---	39	475
		87+64 - 92+26	LT	---	---	---	---	---	---	---	67
		92+26 - 96+81	LT	---	---	---	---	---	---	---	245
		96+81 - 100+81	LT	---	---	---	---	---	---	5	33
		100+81 - 107+54	LT	---	---	---	---	---	---	15	---
		107+54 - 111+24	LT	---	---	---	---	---	---	7	---
		7+00 D - 10+00 D	LT	---	---	---	---	---	---	5	---
		7+00 D - 10+00 D	RT	---	---	---	---	---	---	4	---
		SUBTOTALS (STAGE 1 (0020))		0	0	0	0	0	0	85	1,000
	STAGE 3	58+90 - 61+83	RT	---	---	---	---	---	---	1	---
		SUBTOTALS (STAGE 3 (0020))		0	0	0	0	0	0	1	0
	STAGE 4	87+64 - 92+26	RT	---	---	---	---	---	---	11	105
		92+26 - 96+81	RT	---	---	---	---	---	---	---	135
		100+81 - 107+54	RT	---	---	---	---	---	---	7	38
		107+54 - 111+24	RT	---	---	---	---	---	---	20	---
		10+00 D - 12+66 D	LT	---	---	---	0	---	---	7	---
		10+00 D - 12+66 D	RT	---	---	---	0	---	---	12	---
		SUBTOTALS (STAGE 4 (0020))		0	0	0	0	0	0	57	278
		SUBTOTAL (0020)		0	0	0	0	0	0	143	1,278

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ASPHALTIC ITEMS (CONT'D)

CATEGORY	STAGE	STATION - STATION	LOCATION	455.0105 ASPHALTIC MATERIAL PG 58-28 TON	455.0115 ASPHALTIC MATERIAL PG 64-22 TON	455.0120 ASPHALTIC MATERIAL PG 64-28 TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3 TON	460.1103 HMA PAVEMENT TYPE E-3 TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (PARKING LOTS) TON
0040	STAGE 1	70+95 - 87+64	LT	---	---	---	---	---	---	---	185
		SUBTOTALS (STAGE 1 (0040))		0	0	0	0	0	0	0	185
	STAGE 4	92+26 - 96+81	RT	---	---	---	---	---	---	---	230
		SUBTOTALS (STAGE 4 (0040))		0	0	0	0	0	0	0	230
		SUBTOTAL (0040)		0	0	0	0	0	0	0	415
		TOTALS		20	67	57	265	365	2,332	143	1,693

ASPHALTIC SURFACE PATCHING

CATEGORY	LOCATION	465.0110 TON	REMARKS
0010	UNDISTRIBUTED	50	FILLING POT HOLES ON EXISTING PAVEMENT

CONCRETE CURB PRECAST

CATEGORY	STATION - STATION	LOCATION	601.0199.S EACH
0020	72+52 - 74+35	91.8 'LT	17
	75+42 - 75+44	150.0 'LT	4
	89+83 - 90+09	96.4 'LT	3
	90+73 - 90+74	74.0 'LT	3
	93+09 - 96+26	41.3 'LT	20
	98+86 - 98+87	47.5 'LT	2
	9+22 D - 9+50 D	40.5 'RT	3
	9+26 S - 9+57 S	31.3 'RT	3
		TOTAL	55

ADJUSTING MANHOLE COVERS

CATEGORY	STATION	LOCATION	611.8110 *EACH
0010	59+95.4	27.6' RT	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER ROCK EXCAVATION

CATEGORY	LOCATION	607.5000 CY
0010	96+80 - 104+00	650

CONCRETE STEPS

CATEGORY	STATION	LOCATION	602.1500 SF
0020	100+41	39.5' LT	12
	101+32	39.5' LT	12
		TOTAL	24

CONCRETE BARRIER SUMMARY

CATEGORY	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	REMARKS
0010	UNDISTRIBUTED	550	550	CONSTRUCTION STAGING

ASPHALTIC SURFACE TEMPORARY

CATEGORY	STAGE	STATION - STATION	LOCATION	465.0125 TON	REMARKS
0010	STAGE 1	61+83 - 70+95	LT	31	TEMP. DRIVE
		70+95 - 87+64	LT	70	TEMP. DRIVE
		87+64 - 92+26	LT	5	TEMP. DRIVE
		96+81 - 100+81	LT	14	TEMP. DRIVE
		100+81 - 107+54	LT	21	TEMP. DRIVE
		100+81 - 107+54	RT	39	TEMP. SIDEWALK
		107+54 - 111+24	LT	4	TEMP. DRIVE
		107+54 - 111+24	RT	24	TEMP. SIDEWALK
		58+90 - 111+24	LT	11	TEMP. CROSSWALK
		8+50 N - 10+00 N	LT	6	TEMP. DRIVE
		9+00 ST - 10+00 ST	LT	3	TEMP. DRIVE
		7+00 D - 10+00 D	LT	7	TEMP. DRIVE
		SUBTOTAL (STAGE 1)		236	
	STAGE 2	58+90 - 61+83	RT	98	TEMP. ROAD
		61+83 - 70+95	RT	350	TEMP. ROAD
		70+95 - 87+64	RT	745	TEMP. ROAD
		87+64 - 92+26	RT	270	TEMP. ROAD
		87+64 - 92+26	RT	31	TEMP. DRIVE
		92+26 - 96+81	RT	315	TEMP. ROAD
		92+26 - 96+81	RT	17	TEMP. DRIVE
		96+81 - 100+81	RT	265	TEMP. ROAD
		100+81 - 107+54	RT	300	TEMP. ROAD
		100+81 - 107+54	RT	23	TEMP. DRIVE
		107+54 - 111+24	RT	94	TEMP. ROAD
		107+54 - 111+24	RT	7	TEMP. DRIVE
		SUBTOTAL (STAGE 2)		2,515	
	STAGE 3	58+90 - 61+83	LT/RT	54	TEMP. ROAD
		61+83 - 70+95	LT/RT	210	TEMP. ROAD
		70+95 - 87+64	LT/RT	305	TEMP. ROAD
		87+64 - 92+26	LT/RT	85	TEMP. ROAD
		92+26 - 96+81	LT/RT	83	TEMP. ROAD
		96+81 - 100+81	LT/RT	73	TEMP. ROAD
		100+81 - 107+54	LT/RT	44	TEMP. ROAD
		8+50 N - 10+00 N	LT/RT	10	TEMP. ROAD
		10+00 N - 12+51 N	LT/RT	30	TEMP. ROAD
		SUBTOTAL (STAGE 3)		894	
		58+90 - 111+24	LT	20	UNDESTRIBUTED HYDRANT INSTALL
		TOTAL		3,664	

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	SPV.0165.01 CONCRETE SIDEWALK HES 7-INCH SF	SPV.0165.02 STAMPED CONCRETE SIDEWALK 4-INCH SF	*SPV.0035.03 COLORING CONCRETE MONONA DRIVE RED CY
0010	58+90 - 61+83	RT	1,650	160	---	---
	58+90 - 61+83	LT	290	---	---	---
	61+83 - 70+95	RT	300	---	---	---
	61+83 - 70+95	LT	3,550	810	---	---
	70+95 - 87+64	RT	460	---	---	---
	70+95 - 87+64	LT	6,950	1,450	---	---
	70+95 - 87+64	MEDIAN	40	---	---	---
	87+64 - 92+26	RT	1,650	640	---	---
	87+64 - 92+26	LT	2,050	140	---	---
	92+26 - 96+81	RT	2,000	290	---	---
	92+26 - 96+81	LT	2,050	---	---	---
	96+81 - 100+81	LT	1,400	450	---	---
	96+81 - 100+81	RT	2,000	---	---	---
	96+81 - 100+81	MEDIAN	40	---	---	---
	100+81 - 107+54	RT	2,800	540	---	---
	100+81 - 107+54	LT	2,500	650	---	---
	107+54 - 111+24	RT	1,700	190	---	---
	107+54 - 111+24	LT	1,700	130	---	---
	8+50 N - 10+00 N	LT	---	230	---	---
	10+00 N - 12+51 N	LT	630	---	---	---
	10+00 N - 12+51 N	RT	510	---	---	---
	9+00 ST - 10+00 ST	LT	140	140	---	---
	7+00 D - 10+00 D	LT	800	270	---	---
	7+00 D - 10+00 D	RT	610	600	---	---
	10+00 D - 12+66 D	LT	50	---	---	---
	10+00 D - 12+66 D	RT	250	140	---	---
	10+00 CE - 11+55 CE	LT	490	---	---	---
	10+00 CE - 11+55 CE	RT	470	---	---	---
	58+90 - 111+24	LT	3,600	---	---	---
	SUBTOTAL (0010)		40,680	6,830	0	0
0020	58+90 - 61+83	RT	75	---	---	---
	58+90 - 61+83	MEDIAN	---	---	360	4
	61+83 - 70+95	LT	400	---	---	---
	61+83 - 70+95	MEDIAN	---	---	800	10
	70+95 - 87+64	LT	220	---	---	---
	70+95 - 87+64	MEDIAN	---	---	1,000	13
	87+64 - 92+26	LT	450	---	---	---
	87+64 - 92+26	RT	35	---	---	---
	87+64 - 92+26	MEDIAN	---	---	490	6
	92+26 - 96+81	RT	450	---	---	---
	92+26 - 96+81	MEDIAN	---	---	140	2
	96+81 - 100+81	LT	260	---	---	---
	96+81 - 100+81	RT	120	550	---	---
	96+81 - 100+81	MEDIAN	---	---	250	3
	100+81 - 107+54	LT	100	---	---	---
	100+81 - 107+54	MEDIAN	---	---	230	3
	SUBTOTAL (0020)		2,110	550	3,270	41
0040	70+95 - 87+64	LT	40	---	---	---
	92+26 - 96+81	RT	1,800	---	---	---
	SUBTOTAL (0040)		1,840	0	0	0
	TOTALS		44,630	7,380	3,270	41

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CURB AND GUTTER

CATEGORY	STAGE	STATION - STATION	LOCATION	601.0110 CONCRETE CURB TYPE D LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D (REVERSED SLOPED) LF	SPV.0090.03 CONCRETE CURB & GUTTER HES 18-INCH TYPE D LF	SPV.0090.05 CONCRETE GUTTER HES 18-INCH TYPE D LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	SPV.0090.02 CONCRETE CURB & GUTTER HES 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.21 CONCRETE CURB & GUTTER HES 30-INCH TYPE D LF	SPV.0090.04 CONCRETE CURB & GUTTER 24-INCH LF	SPV.0090.04 CONCRETE CURB & GUTTER 24-INCH (REVERSED SLOPED LF	650.5500 CURB GUTTER & CURB AND GUTTER CONSTRUCTION STAKING LF
0010	STAGE 3	58+90 - 61+83	RT	---	48	---	---	---	365	37	---	120	23	---	---	---	593
		58+90 - 61+83	LT	---	---	---	---	---	295	---	---	89	---	---	---	---	384
		61+83 - 70+95	RT	---	---	---	---	---	57	---	21	150	---	---	---	---	228
		61+83 - 70+95	LT	---	---	---	---	---	695	245	---	45	---	---	---	---	985
		70+95 - 87+64	LT	---	---	---	---	---	1,310	355	---	120	---	125	---	---	1,910
		87+64 - 92+26	LT	---	---	---	---	25	425	33	---	145	---	60	---	---	688
		92+26 - 96+81	LT	---	---	---	---	25	445	---	---	---	---	24	---	---	494
		96+81 - 100+81	LT	---	---	---	---	---	285	115	---	79	---	23	---	---	502
		100+81 - 107+54	LT	---	300	---	110	---	190	64	---	135	---	---	---	---	799
		107+54 - 111+24	LT	---	340	---	31	---	---	---	---	39	---	---	---	---	410
		SUBTOTALS (STAGE 3 (0010))		0	688	0	141	50	4,067	849	21	922	23	232	0	0	6,993
	STAGE 4	61+83 - 70+95	RT	---	---	---	---	---	845	---	---	---	---	---	---	---	845
		70+95 - 87+64	RT	---	---	---	---	---	1,670	---	---	---	---	---	---	---	1,670
		87+64 - 92+26	RT	---	---	---	---	---	280	175	---	---	---	---	---	---	455
		92+26 - 96+81	RT	---	---	---	---	---	380	36	---	---	---	---	---	---	416
		96+81 - 100+81	RT	---	---	---	---	---	395	---	---	93	---	---	---	---	488
		100+81 - 107+54	RT	---	295	---	120	---	220	31	---	90	---	---	---	---	756
		107+54 - 111+24	RT	---	320	---	51	---	---	---	---	---	---	---	---	---	371
		SUBTOTALS (STAGE 4 (0010))		0	615	0	171	0	3,790	242	0	183	0	0	0	0	5,001
	STAGE 6	58+90 - 61+83	MEDIAN	---	---	---	---	---	---	---	---	---	---	---	---	135	135
		61+83 - 70+95	MEDIAN	---	---	---	---	---	---	---	---	---	---	---	505	---	505
		70+95 - 87+64	MEDIAN	---	---	---	---	---	---	---	---	---	---	---	1,360	165	1,525
		87+64 - 92+26	MEDIAN	---	---	---	---	---	---	---	---	---	---	---	---	205	205
		92+26 - 96+81	MEDIAN	---	---	---	---	---	---	---	---	---	---	---	---	105	105
		96+81 - 100+81	MEDIAN	---	---	---	---	---	---	---	---	---	---	---	520	---	520
		100+81 - 107+54	MEDIAN	---	---	---	---	---	---	---	---	---	---	---	110	---	110
		SUBTOTALS (STAGE 6 (0010))		0	0	0	0	0	0	0	0	0	0	0	2,495	610	3,105
		SUBTOTALS (0010)		0	1,303	0	312	50	7,857	1,091	21	1,105	23	232	2,495	610	15,099
0020	STAGE 1	61+83 - 70+95	LT	45	390	76	---	---	---	---	---	---	---	---	---	---	511
		70+95 - 87+64	LT	30	775	140	---	---	---	---	---	---	---	---	---	---	945
		87+64 - 92+26	LT	25	71	38	---	---	---	---	---	---	---	---	---	---	134
		96+81 - 100+81	LT	68	---	---	---	---	---	---	---	---	---	---	---	---	68
		SUBTOTALS (STAGE 1 (0020))		168	1,236	254	0	0	0	0	0	0	0	0	0	0	1,658
	STAGE 4	61+83 - 70+95	RT	40	---	---	---	---	---	---	---	---	---	---	---	---	40
		70+95 - 87+64	RT	---	---	---	---	---	---	---	---	98	---	61	---	---	159
		87+64 - 92+26	RT	74	265	---	---	---	---	---	---	99	---	50	---	---	488
		92+26 - 96+81	RT	---	150	370	---	---	---	36	---	---	---	---	---	---	556
		SUBTOTALS (STAGE 4 (0020))		114	415	370	0	0	0	36	0	197	0	111	0	0	1,243
		SUBTOTALS (0020)		282	1,651	624	0	0	0	36	0	197	0	111	0	0	2,901
0040	STAGE 1	70+95 - 87+64	LT	---	310	180	---	---	---	---	---	---	---	---	---	---	490
		SUBTOTALS (STAGE 1 (0040))		0	310	180	0	0	0	0	0	0	0	0	0	0	490
	STAGE 4	92+26 - 96+81	RT	---	94	540	---	---	---	---	---	---	---	---	---	---	634
		SUBTOTALS (STAGE 4 (0040))		0	94	540	0	0	0	0	0	0	0	0	0	0	634
		SUBTOTALS (0040)		0	404	720	0	0	0	0	0	0	0	0	0	0	1,124
		TOTALS		282	3,358	1,344	312	50	7,857	1,127	21	1,302	23	343	2,495	610	19,124

			STORM SEWER PIPE REINFORCED CONCRETE																	612.0208	612.0212	520.8000
			608.0312	608.0318	608.0324	608.0330	608.0342	608.0412	608.0418	608.0421	608.0424	608.0430	608.0436	608.0442	610.0114	610.0119	610.0124	610.0424	610.0434	PIPE UNDERDRAIN	PIPE UNDERDRAIN	CONCRETE
			CLASS III					CLASS IV							HORIZONTAL ELLIPTICAL CLASS HE-III			HORIZONTAL ELLIPTICAL CLASS HE-IV		UNPERFORATED	UNPERFORATED	COLLARS
	FROM	TO	12-INCH	18-INCH	24-INCH	30-INCH	42-INCH	12-INCH	18-INCH	21-INCH	24-INCH	30-INCH	36-INCH	42-INCH	14X23-INCH	19X30-INCH	24X38-INCH	24X38-INCH	34X53-INCH	8-INCH	12-INCH	FOR PIPE
CATEGORY	STRUCTURE	STRUCTURE	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH
0010	431	450	---	---	---	---	132	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	450	470	---	---	---	---	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	450A	450	---	---	---	---	---	---	---	19	---	---	---	---	---	---	---	---	---	---	---	---
	455	EXISTING	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	455	450	29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	455A	455	28	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	460	470	---	---	---	---	---	---	39	---	---	---	---	---	---	---	---	---	---	---	---	---
	460A	460B	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	460B	460	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	461	EXISTING	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	1
	EXISTING	461	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	1
	470	475	---	---	---	---	38	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	475	480	---	---	---	---	71	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	475B	475	---	---	---	---	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	475A	475B	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	480	490	---	---	---	---	158	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	480B	480	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	490	502	---	---	---	---	---	---	---	---	---	---	---	87	---	---	---	---	---	---	---	---
	490A	490	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	490B	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	490B	490	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	490C	490B	---	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	490D	490C	---	---	---	---	---	29	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	502	---	---	---	---	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	1
	EXISTING	502A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	500	EXISTING	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	---	---	---
	500	EXISTING	---	---	---	---	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---
	502	500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	64	---	---	---
	502B	502	---	---	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	---
	502C	502B	---	---	---	---	---	122	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	502D	502C	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	502E	502D	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510	500	---	---	---	---	---	---	---	---	---	---	120	---	---	---	---	---	---	---	---	---
	510A	510C	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510B	510A	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510C	510E	---	---	---	---	---	29	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510D	510C	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510E	510	---	---	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510F	510E	---	---	---	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510G	510E	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	510H	510F	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	520	520B	---	---	---	---	---	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---
	520A	520	---	---	---	---	---	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	520B	521	---	---	---	---	---	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---
	521	510	---	---	---	---	---	---	---	---	---	---	198	---	---	---	---	---	---	---	---	---
	524	520	---	---	65	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	524A	524B	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	524B	524	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	524C	524	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	525	524	---	---	85	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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STORM SEWER (CONT'D)

CATEGORY	FROM STRUCTURE	TO STRUCTURE	STORM SEWER PIPE REINFORCED CONCRETE																	612.0208 PIPE UNDERDRAIN UNPERFORATED 8-INCH LF	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
			608.0312 CLASS III 12-INCH LF	608.0318 CLASS III 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0330 CLASS III 30-INCH LF	608.0342 CLASS III 42-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0421 CLASS IV 21-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	610.0114 HORIZONTAL ELLIPTICAL CLASS HE-III 14X23-INCH LF	610.0119 HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	610.0124 HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	610.0424 HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	610.0434 HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF			
0010	525A	525	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(CONT'D)	526	525	---	---	96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	526A	526B	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	526B	528	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	527	526	---	---	---	---	---	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	527A	527	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	527B	527	---	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	528	526	---	---	29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	530	528	---	---	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	530A	530	---	---	---	---	---	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	530B	530	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	530D	530B	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540E	540D	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540	530	---	---	167	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540A	540B	---	---	---	---	---	29	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540B	540C	---	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540C	540	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540D	540	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	TEMP1	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	1
	TEMP1	EXISTING	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	1
	550	540	---	---	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	550A	550B	---	---	---	---	---	31	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	550B	550C	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	550C	550	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	550D	550	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	554	550	---	---	182	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	560	554	---	---	103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	562	560	---	---	39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	570	560	---	---	---	---	---	---	---	---	135	---	---	---	---	---	---	---	---	---	---	---
	570A	570D	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	570B	570A	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	570C	570	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	570D	570C	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	570	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	---	1
	572	562	---	---	146	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	572A	572	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	572B	572A	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	572C	572B	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	572A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	1
	575	570	---	---	---	---	---	---	---	---	80	---	---	---	---	---	---	---	---	---	---	---
	575A	575B	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	575B	575	---	---	---	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	580	575	---	---	---	---	---	---	---	---	135	---	---	---	---	---	---	---	---	---	---	---
	580A	580	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	582	572	---	---	---	---	---	---	---	---	204	---	---	---	---	---	---	---	---	---	---	---
	582A	582	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	583	584	---	---	---	---	---	---	---	---	105	---	---	---	---	---	---	---	---	---	---	---
	583A	583B	---	---	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	583B	583	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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			STORM SEWER PIPE REINFORCED CONCRETE																	612.0208	612.0212	520.8000
			608.0312	608.0318	608.0324	608.0330	608.0342	608.0412	608.0418	608.0421	608.0424	608.0430	608.0436	608.0442	610.0114	610.0119	610.0124	610.0424	610.0434	PIPE UNDERDRAIN	PIPE UNDERDRAIN	CONCRETE
			CLASS III					CLASS IV							HORIZONTAL ELLIPTICAL CLASS HE-III			HORIZONTAL ELLIPTICAL CLASS HE-IV		UNPERFORATED	UNPERFORATED	COLLARS
	FROM	TO	12-INCH	18-INCH	24-INCH	30-INCH	42-INCH	12-INCH	18-INCH	21-INCH	24-INCH	30-INCH	36-INCH	42-INCH	14X23-INCH	19X30-INCH	24X38-INCH	24X38-INCH	34X53-INCH	8-INCH	12-INCH	FOR PIPE
CATEGORY	STRUCTURE	STRUCTURE	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH
0010	584	585	---	---	---	---	---	---	---	---	35	---	---	---	---	---	---	---	---	---	---	---
(CONT'D)	584A	584	---	---	---	---	---	28	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	584B	584A	---	---	---	---	---	64	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	585	590	---	---	---	---	---	---	---	---	218	---	---	---	---	---	---	---	---	---	---	---
	585A	585B	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	585B	585	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	590	600	---	---	93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	590A	590B	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	590B	590C	---	---	---	---	---	32	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	590C	590D	---	---	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	590D	590	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	590E	590	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600	610	---	---	63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600A	600B	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600B	600	---	---	---	---	---	51	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600C	600	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600C	EX-1	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600D	600C	---	---	---	---	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	610	614	---	---	---	---	---	---	---	---	---	---	---	---	---	33	---	---	---	---	---	---
	620	610	---	---	111	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620A	620B	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620B	620C	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620C	620	51	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620D	620C	26	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620E	620D	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620F	620E	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620G	620H	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620H	620	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620I	620H	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620J	620I	---	---	---	---	---	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	620K	640B	62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	630	620	---	---	62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	635	630	---	---	82	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	640	635	---	---	46	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	640B	640C	39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	640C	640	39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	640D	640	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	650	640	---	---	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	650A	650	---	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	650B	650A	---	---	---	---	---	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	651	650	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	651C	651	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	651D	651C	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	651	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	EXISTING	651B	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	654	655	---	---	---	---	---	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	654A	654	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	654B	654	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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			STORM SEWER PIPE REINFORCED CONCRETE																	612.0208	612.0212	520.8000
			608.0312	608.0318	608.0324	608.0330	608.0342	608.0412	608.0418	608.0421	608.0424	608.0430	608.0436	608.0442	610.0114	610.0119	610.0124	610.0424	610.0434	PIPE UNDERDRAIN	PIPE UNDERDRAIN	CONCRETE
			CLASS III					CLASS IV							HORIZONTAL ELLIPTICAL CLASS HE-III			HORIZONTAL ELLIPTICAL CLASS HE-IV		UNPERFORATED	UNPERFORATED	COLLARS
	FROM	TO	12-INCH	18-INCH	24-INCH	30-INCH	42-INCH	12-INCH	18-INCH	21-INCH	24-INCH	30-INCH	36-INCH	42-INCH	14X23-INCH	19X30-INCH	24X38-INCH	24X38-INCH	34X53-INCH	8-INCH	12-INCH	FOR PIPE
CATEGORY	STRUCTURE	STRUCTURE	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH
0010	656	657	---	---	85	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(CONT'D)	656A	656	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	657	658	---	---	103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	657A	657	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	658	660	---	---	94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	658A	658B	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	658B	658C	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	658C	658	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	658D	658	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	658E	658D	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	660	662	---	---	52	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	660A	660B	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	660B	660	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	660C	660	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	662	670	---	---	---	---	---	---	---	---	---	---	---	---	---	---	232	---	---	---	---	---
	664	662	---	---	---	---	---	40	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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	664B	664	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	670	680	---	---	---	---	---	---	---	---	---	---	---	---	---	---	209	---	---	---	---	---
	670A	670B	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	670B	670C	29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	670C	670D	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	670D	670	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	670E	670	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	680	690	---	---	---	---	---	---	---	---	---	---	---	---	---	---	185	---	---	---	---	---
	680A	680B	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	680B	680	---	---	---	---	---	39	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	680C	680B	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	680D	680	---	---	---	---	---	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	690	698	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	86	---	---	---	---
	690A	690	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	695	698	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---
	695A	695	---	---	---	---	---	---	---	---	---	87	---	---	---	---	---	---	---	---	---	---
	695B	695A	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	696	695A	---	---	---	---	---	---	---	---	---	18	---	---	---	---	---	---	---	---	---	---
	698	700	---	---	---	---	---	---	---	---	---	32	---	---	---	---	---	---	---	---	---	---
	700	710	---	---	---	74	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	700	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	710B	710A	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	710	1	---	---	---	223	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	710A	710	---	---	---	---	---	55	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1	--	---	---	---	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	610	614	---	---	---	---	---	---	---	---	---	---	---	---	---	33	---	---	---	---	---	---
	611	610	---	---	---	---	---	---	---	---	---	---	---	---	58	---	---	---	---	---	---	---
	EXISTING	611	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	EXISTING	611	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	613	611	---	---	---	---	---	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---
	613A	613B	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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STORM SEWER (CONT'D)

CATEGORY	FROM STRUCTURE	TO STRUCTURE	STORM SEWER PIPE REINFORCED CONCRETE																	612.0208 PIPE UNDERDRAIN UNPERFORATED 8-INCH LF	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
			608.0312 CLASS III 12-INCH LF	608.0318 CLASS III 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0330 CLASS III 30-INCH LF	608.0342 CLASS III 42-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0421 CLASS IV 21-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	610.0114 HORIZONTAL ELLIPTICAL CLASS HE-III 14X23-INCH LF	610.0119 HORIZONTAL ELLIPTICAL CLASS HE-III 19X30-INCH LF	610.0124 HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	610.0424 HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	610.0434 HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF			
0010	613B	613	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(CONT'D)	613C	613D	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	613D	613	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	613	---	---	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	1
	614	615	---	---	125	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	615	616	---	---	84	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	615A	615	27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	615B	615	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	616	617	---	---	---	---	---	---	---	---	31	---	---	---	---	---	---	---	---	---	---	---
	616A	616	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	617	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	EXISTING	617	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	1
SUBTOTAL (0010)			886	8	2,404	297	434	1,740	97	19	943	149	367	87	88	66	626	86	68	8	8	18
0020	EXISTING	450A	---	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	1
	480A	480	68	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	502A	502B	---	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---
	STUB	524D	---	---	---	---	---	59	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	524D	524C	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	530C	530B	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540F	540E	---	---	---	---	---	19	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	540G	540F	---	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	550D	TEMP1	---	---	---	---	---	55	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	550E	550D	---	---	---	---	---	53	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	550F	550D	---	---	---	---	---	74	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	EXISTING	TEMP2	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	1
	TEMP2	EXISTING	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	1
	554A	554	30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	554B	554A	---	---	---	---	---	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	554C	TEMP2	---	---	---	---	---	55	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	590F	590E	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600E	600D	---	---	---	---	---	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	635A	635	---	---	---	---	---	30	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	640A	640B	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	645A	651A	76	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	651A	651B	55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	651B	651C	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SUBTOTAL (0020)			287	0	0	0	0	421	27	8	0	0	0	0	0	0	0	0	0	0	0	5

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STORM SEWER (CONT'D)

			STORM SEWER PIPE REINFORCED CONCRETE																612.0208	612.0212	520.8000
			608.0312	608.0318	608.0324	608.0330	608.0342	608.0412	608.0418	608.0421	608.0424	608.0430	608.0436	608.0442	610.0114	610.0119	610.0124	610.0424	610.0434	PIPE UNDERDRAIN	PIPE UNDERDRAIN	CONCRETE
			CLASS III					CLASS IV							HORIZONTAL ELLIPTICAL CLASS HE-III			HORIZONTAL ELLIPTICAL CLASS HE-IV		UNPERFORATED	UNPERFORATED	COLLARS
	FROM	TO	12-INCH	18-INCH	24-INCH	30-INCH	42-INCH	12-INCH	18-INCH	21-INCH	24-INCH	30-INCH	36-INCH	42-INCH	14X23-INCH	19X30-INCH	24X38-INCH	24X38-INCH	34X53-INCH	8-INCH	12-INCH	FOR PIPE
CATEGORY	STRUCTURE	STRUCTURE	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH
0040	584A	584	---	---	---	---	---	28	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	584B	584A	---	---	---	---	---	64	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	663	662	---	---	161	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	800	801	---	---	---	---	---	34	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	801	EXISTING	---	---	---	---	---	87	---	---	---	---	---	---	---	---	---	---	---	---	---	1
	SUBTOTAL (0040)		0	0	161	0	0	213	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	TOTALS		1,172	8	2,565	297	434	2,374	124	27	943	149	367	87	88	66	626	86	68	8	8	25

INLETS, MANHOLES, MANHOLE COVERS, AND INLET COVERS

				611.2004	611.2005	611.2006	611.2007	611.2008	SPV.0060.05	611.3230	611.3901	SPV.0060.03	611.0530	611.0612	611.0624	611.0639	611.0642	*SPV.0060.01	SPV.0060.02	650.4000
											INLETS		MANHOLE							CONSTRUCTION
	STRUCT.			MANHOLES	MANHOLES	MANHOLES	MANHOLES	MANHOLES	MANHOLES	INLETS	MEDIAN	TERRACE	COVERS	INLET	INLET	INLET	INLET	INLET	INLET	STAKING
				4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	7-FT DIAMETER	8-FT DIAMETER	9-FT DIAMETER	2X3-FT	1 GRATE	INLET	TYPE J	COVERS	COVERS	COVERS	COVERS	COVERS	COVERS	STORM SEWER
CATEGORY	ID#	STATION	OFFSET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	TYPE C	TYPE H	TYPE H-S	TYPE MS	TYPE DW	TYPE T3	EACH
0010	431	59+95	27.6' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	450	61+28	27.6' RT	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
	450A	61+12	38.1' RT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	455	61+28	1.2' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	455A	61+22	28.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	460	10+69	17.0' RT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	460A	10+80	28.6' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	460B	10+70	29.6' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	461	11+31	24.5' RT	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	470	61+64	27.3' RT	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
	475	62+02	26.9' RT	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
	475B	10+65	21.6' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	475A	10+84	21.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	480	62+73	25.9' RT	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
	480B	62+73	36.8' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	490	64+31	25.0' RT	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
	490A	64+31	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	490B	64+31	5.1' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	490C	64+36	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	490D	64+36	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	500	65+17	36.8' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
	502	65+18	27.1' RT	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	1
	502B	65+18	36.2' RT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	502C	66+40	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	502D	66+50	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	502E	66+60	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	510	66+37	36.8' LT	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1

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CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.05 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.03 TERRACE INLET TYPE 3 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	*SPV.0060.01 INLET COVERS TYPE DW EACH	SPV.0060.02 INLET COVERS TYPE T3 EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	510A	66+37	7.3' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
(CONT'D)	510B	66+47	7.3' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	510C	66+42	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	510D	66+50	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	510E	66+37	30.8' LT	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	510F	66+50	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	510G	66+27	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	510H	66+60	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	520	68+50	14.3' LT	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	520A	68+50	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	520B	68+50	30.8' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	521	68+35	36.8' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	524	69+15	14.2' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	524A	69+15	5.1' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	524B	69+15	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	525	70+00	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	525A	70+00	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	526	70+96	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	526A	71+25	5.6' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	526B	71+25	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	527	70+96	50.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	527A	70+81	50.2' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	527B	71+14	45.9' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	528	71+25	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	530	71+48	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	530A	71+48	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	530B	71+48	30.8' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	530D	71+68	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	540E	72+95	30.8' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	540	73+15	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	540A	73+15	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	540B	73+15	7.3' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	540C	73+15	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	540D	73+15	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	550	75+15	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	550A	75+15	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	550B	75+15	5.4' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	550C	75+15	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	550D	75+15	30.8' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	550D	75+15	30.8' LT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	554C	76+96	30.8' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	560	78+00	14.3' LT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	562	78+00	25.3' RT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1

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INLETS, MANHOLES, MANHOLE COVERS, AND INLET COVERS (CONT'D)

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.05 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.03 TERRACE INLET TYPE 3 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	*SPV.0060.01 INLET COVERS TYPE DW EACH	SPV.0060.02 INLET COVERS TYPE T3 EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	570	79+35	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
(CONT'D)	570A	79+55	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	570B	79+65	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	570C	79+35	30.8' LT	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	570D	79+45	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	572	79+46	25.3' RT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	572A	79+46	36.3' RT	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	572B	79+62	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	572C	79+72	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	575	80+15	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	575A	80+15	5.7' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	575B	80+15	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	580	81+50	14.2' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	580A	81+50	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	582	81+50	25.3' RT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	582A	81+50	36.3' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	583	82+60	17.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	583A	82+60	4.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	583B	82+60	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	585	84+00	17.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	585A	84+00	6.1' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	585B	84+00	1.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	590	86+18	17.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	590A	85+98	33.9' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	590B	86+18	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	590C	86+18	1.8' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	590D	86+18	4.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	590E	86+18	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	600	87+11	17.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	600A	86+91	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	600B	87+11	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	600C	87+11	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	600C	87+11	33.5' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	600D	86+71	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	610	87+74	17.0' LT	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	620	88+85	17.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	620A	88+64	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	620B	88+74	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	620C	88+84	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	620D	89+10	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
	620E	89+20	33.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
	620F	89+38	33.2' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
	620G	88+63	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	1
	620H	88+85	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	1
	620I	88+95	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	1
	620J	89+28	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	1

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INLETS, MANHOLES, MANHOLE COVERS, AND INLET COVERS (CONT'D)

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.05 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.03 TERRACE INLET TYPE 3 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	*SPV.0060.01 INLET COVERS TYPE DW EACH	SPV.0060.02 INLET COVERS TYPE T3 EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	620K	90+00	29.4' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
(CONT'D)	630	89+47	17.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	635	90+29	11.5' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	640	90+75	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	640B	90+36	27.6' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	640C	90+75	27.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	640D	90+75	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	650	92+75	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	650A	92+82	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	650B	92+92	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	651	92+74	6.0' RT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	651C	92+82	27.6' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	651D	92+92	28.0' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	654	96+81	48.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	654A	96+66	48.2' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	654B	96+97	47.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	655	96+81	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	656	97+50	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	656A	97+50	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	657	98+35	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	657A	98+35	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	658	99+38	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	658A	99+38	39.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	658B	99+38	6.9' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	658C	99+38	1.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	658D	99+38	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	658E	99+58	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	660	100+32	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	660A	100+12	39.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	660B	100+32	39.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	660C	100+32	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	662	100+84	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	664	100+84	51.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	664A	100+68	51.1' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	664B	100+99	50.9' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1

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INLETS, MANHOLES, MANHOLE COVERS, AND INLET COVERS (CONT'D)

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.05 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.03 TERRACE INLET TYPE 3 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	*SPV.0060.01 INLET COVERS TYPE DW EACH	SPV.0060.02 INLET COVERS TYPE T3 EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	670	103+16	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
(CONT'D)	670A	102+96	39.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	670B	103+16	39.2' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	670C	103+16	10.2' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	670D	103+16	3.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	670E	103+16	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	680	105+25	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	680A	105+05	28.4' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	680B	105+25	27.8' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	680C	105+45	27.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	680D	105+25	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	690	107+10	11.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	690A	107+10	27.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	695	107+95	11.0' LT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	695A	107+16	27.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	695B	106+95	27.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	696	107+17	45.0' RT	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	698	107+95	22.9' LT	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
	700	108+26	27.5' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	1
	EXISTING	108+31	33.6' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	710B	108+80	27.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	710	109+00	27.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	710A	109+00	27.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	1	111+23	27.5' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	610	87+74	17.0' LT	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	611	10+41	12.4' LT	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	613	10+71	9.1' LT	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	613A	10+83	20.2' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	613B	10+76	23.6' RT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
	613C	10+58	17.6' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	613D	10+70	17.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	614	9+50	7.5' LT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	615	8+25	9.5' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	615A	8+25	17.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	615B	8+25	17.6' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	616	7+40	9.5' LT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	616A	7+40	17.6' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	617	7+10	16.5' LT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	SUBTOTAL (0010)			48	9	7	6	1	1	110	0	1	58	1	80	40	0	3	1	182

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INLETS, MANHOLES, MANHOLE COVERS, AND INLET COVERS (CONT'D)

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.05 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.03 TERRACE INLET TYPE 3 EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	*SPV.0060.01 INLET COVERS TYPE DW EACH	SPV.0060.02 INLET COVERS TYPE T3 EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0020	480A	62+73	42.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	502A	65+19	47.0' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	524C	69+15	30.8' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	524D	69+04	47.2' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	530C	71+42	44.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	540F	73+00	48.6' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	540G	72+80	48.6' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	TEMP1	75+15	24.0' RT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1
	550E	74+86	75.3' LT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	550F	75+86	50.0' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	TEMP2	76+94	24.0' RT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1
	554	76+97	14.3' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	554A	76+96	44.6' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	554B	76+80	62.0' LT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	590F	86+25	49.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	600E	86+67	46.1' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	635A	90+29	41.5' LT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	640A	90+36	39.9' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	645A	91+45	40.4' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	651A	92+21	40.4' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	651B	92+76	40.4' RT	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	SUBTOTAL (0020)			7	0	0	0	0	0	11	3	0	1	2	7	6	3	2	0	21
0040	584	83+65	17.0' LT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	584A	83+65	44.6' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	584B	83+33	100.4' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	663	11+50	0.0' RT	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	800	12+12	0.0' RT	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	801	12+43	13.5' RT	---	---	---	---	---	---	1	---	---	---	---	1	---	---	---	---	1
	SUBTOTAL (0040)			3	0	0	0	0	0	3	0	0	2	1	1	2	0	0	0	6
	TOTALS			58	9	7	6	1	1	124	3	1	61	4	88	48	3	5	1	209

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SEALING PIPES

CATEGORY	STATION	LOCATION	204.0280 EACH	REMARKS
0010	69+60	67.0 'LT	1	TEMP. SEAL NORTH END
	83+89	45.0 'LT	1	
		TOTAL	2	

ABANDONING SEWER

CATEGORY	STATION	LOCATION	204.0291.S CY
0010	83+89	45.0 'LT	1.4

CAST IRON TRUNCATED DOMES YELLOW

CATEGORY	STATION	LOCATION	SPV.0165.03 SF
0010	61+34	31' RT	8
	61+32	44' RT	8
	61+40	50' RT	8
	61+56	44' LT	8
	62+19	44' LT	8
	62+13	50' RT	8
	62+28	41' RT	8
	62+29	36' LT	8
	70+69	37' LT	8
	71+21	39' LT	8
	71+37	33' LT	8
	71+37	1' RT	8
	71+37	5' RT	8
	71+37	38' RT	8
	87+28	38' LT	8
	87+29	37' RT	8
	87+39	43' RT	8
	87+37	43' LT	8
	87+88	44' RT	8
	87+90	218' RT	8
	87+96	43' LT	8
	88+06	37' LT	8
	88+04	36' RT	8
	92+04	34' LT	8
	92+60	34' LT	8
	92+71	30' LT	8
	92+71	30' RT	8
	96+54	34' LT	8
	97+09	34' LT	8
	97+30	30' LT	8
	97+30	4' RT	8
	97+30	8' RT	8
	97+30	41' RT	8
	100+44	30' LT	8
	100+44	42' RT	8
	100+56	34' LT	8
	100+58	51' RT	8

CONT'D ABOVE

CAST IRON TRUNCATED DOMES YELLOW (CONT'D)

CATEGORY	STATION	LOCATION	SPV.0165.03 SF
0010	101+09	51' RT	8
(CONT'D)	101+12	34' LT	8
	101+23	30' LT	8
	101+23	42' RT	8
	107+23	34' LT	8
	107+77	34' LT	8
	SUBTOTAL (0010)		344
0020	69+29	88' LT	40
	93+45	60' RT	8
	93+44	95' RT	8
	SUBTOTAL (0020)		56
0040	94+50	95' RT	16
	94+83	89' RT	16
	94+99	212' RT	16
	SUBTOTAL (0040)		48
		TOTAL	448

REMOVING INLET COVERS

CATEGORY	STATION	LOCATION	204.9060.S.01 EACH
0010	61+30	37.7 'RT	1
	64+31	32.8 'RT	1
	66+59	23.4 'RT	1
	66+70	23.4 'RT	1
	70+60	22.9 'RT	1
	75+16	24.0 'RT	1
	76+95	24.0 'RT	1
	79+34	22.8 'RT	1
	87+38	39.8 'RT	1
	87+76	40.6 'RT	1
	87+95	23.6 'RT	1
	92+74	23.2 'RT	1
	106+94	23.1 'RT	1
	107+16	23.1 'RT	1
		TOTAL	14

COVER PLATES TEMPORARY

CATEGORY	STAGE	STATION	LOCATION	611.8120.S EACH
0010	STAGE 1	62+73.0	42.5 'LT	1
		69+04.5	47.2 'LT	1
		71+42.0	44.7 'LT	1
		72+80.0	48.6 'LT	1
		73+00.0	48.6 'LT	1
		86+25.0	49.5 'LT	1
		90+28.9	41.5 'LT	1
			TOTAL	7

SALVAGED INLET COVERS

CATEGORY	STATION	LOCATION	611.9710 EACH
0010	57+88	32.9 'RT	1
	57+96	32.9 'RT	1
		TOTAL	2

ADJUSTING INLET COVERS

CATEGORY	STATION	LOCATION		611.8115 EACH
0010	84+13.1	44.7	'LT	1
	84+88.4	48.0	'LT	1
	111+22.8	27.5	'LT	1
	13+29.5 HS	15.9	'RT	1
			TOTAL	4

FENCE CHAIN LINK 6-FT

CATEGORY	STATION	LOCATION	616.0206 LF
0020	11+45 N	39.8' LT	25

PIPE UNDERDRAIN ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	209.0300.S BACKFILL COARSE AGGREGATE 01. SIZE NO. 1 CY
0010	STAGE 3	61+21 - 62+10	LT	110	3
		62+05 - 62+50	RT	54	2
		64+77 - 68+10	LT	335	10
		77+85 - 81+15	LT	330	10
		87+87 - 90+78	LT	310	9
		92+48 - 92+82	LT	45	1
		107+10 - 107+32	LT	37	1
		107+66 - 108+26	LT	77	2
		10+59 N - 12+25 N	LT	175	5
		SUBTOTALS (STAGE 3)		1,473	43
	STAGE 4	62+50 - 63+37	RT	87	3
		64+90 - 68+10	RT	320	10
		77+96 - 81+22	RT	330	10
		87+83 - 90+88	RT	315	9
		100+32 - 100+62	RT	46	1
		10+50 D - 11+05 D	LT	57	2
		SUBTOTALS (STAGE 3)		1,155	35
			TOTALS	2,628	78

FENCE SAFETY

CATEGORY	STATION - STATION	LOCATION	616.0700.S LF
0010	61+83 - 70+95	LT	225
	61+83 - 70+95	RT	425
	70+95 - 87+64	LT	150
	70+95 - 87+64	RT	600
	87+64 - 92+26	LT	25
	92+26 - 96+81	RT	125
	96+81 - 100+81	RT	75
	100+81 - 107+54	LT	225
	100+81 - 107+54	RT	75
	107+54 - 111+24	LT	25
	107+54 - 111+24	RT	25
	10+00 N - 12+51 N	LT	25
	10+00 N - 12+51 N	RT	50
	9+00 ST - 10+00 ST	LT	25
	7+00 D - 10+00 D	LT	50
	7+00 D - 10+00 D	RT	25
	10+00 D - 12+66 D	RT	100
	8+71 CW - 10+00 CW	RT	50
	10+00 CE - 11+55 CE	LT	25
	10+00 CE - 11+55 CE	RT	50
	8+62 P - 10+00 P	LT	25
		TOTAL	2,400

MOBILIZATION

PROJECT	CATEGORY	619.1000 *EACH
5994-00-72	0010	0.6
	SUBTOTAL (0010)	0.6
	0020	0.2
	SUBTOTAL (0020)	0.2
	TOTAL	0.8

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

WATER

CATEGORY	STATION - STATION	624.0100 MGAL
0010	58+90 - 111+24	143
	SUBTOTAL (0010)	143
0020	58+90 - 111+24	16
	SUBTOTAL (0020)	16
0040	58+90 - 111+24	4
	SUBTOTAL (0040)	4
	TOTAL	164

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	OFFSET	620.0300 SF	REMARKS
0010	59+06.0	0.8 'RT	70	TYPE 1
	66+04.0	0.4 'RT	35	TYPE 1
	66+92.6	0.8 'LT	25	TYPE 1
	69+10.0	0.4 'RT	35	TYPE 1
	71+18.2	0.4 'RT	35	TYPE 1
	75+08.8	0.4 'RT	35	TYPE 1
	76+96.8	0.4 'RT	35	TYPE 1
	77+77.4	0.8 'LT	25	TYPE 1
	80+07.8	0.4 'RT	35	TYPE 1
	82+56.4	0.4 'RT	35	TYPE 1
	85+80.3	1.0 'LT	35	TYPE 1
	89+88.3	0.3 'LT	30	TYPE 1
	93+66.6	2.6 'RT	30	TYPE 1
	94+18.4	5.5 'RT	30	TYPE 1
	97+03.3	3.6 'RT	35	TYPE 1
	103+32.0	4.5 'RT	45	TYPE 1
		TOTAL	570	

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION - STATION	LOCATION	623.0200 SY
0010	58+90 - 61+83	MAINLINE	2,600
	61+83 - 70+95	MAINLINE	7,450
	70+95 - 87+64	MAINLINE	13,000
	87+64 - 92+26	MAINLINE	3,500
	92+26 - 96+81	MAINLINE	3,500
	96+81 - 100+81	MAINLINE	3,250
	100+81 - 107+54	MAINLINE	5,050
	107+54 - 111+24	MAINLINE	2,450
	8+50 N - 12+51 N	SIDEROAD	1,100
	9+00 ST - 10+00 ST	SIDEROAD	190
	7+00 D - 12+66 D	SIDEROAD	2,050
	9+25 S - 10+00 S	SIDEROAD	95
	9+25 L - 10+00 L	SIDEROAD	95
	8+71 CW - 11+55 CE	SIDEROAD	770
	8+62 P - 10+00 P	SIDEROAD	210
		TOTAL	45,310

MULCHING

CATEGORY	STATION - STATION	LOCATION	627.0200 SY
0010	57+70 - 61+83	LT	25
	57+70 - 61+83	RT	170
	61+83 - 70+95	LT	480
	61+83 - 70+95	RT	650
	70+95 - 87+64	LT	1,550
	70+95 - 87+64	RT	920
	87+64 - 92+26	LT	710
	87+64 - 92+26	RT	220
	92+26 - 96+81	LT	240
	92+26 - 96+81	RT	400
	96+81 - 100+81	LT	280
	96+81 - 100+81	RT	240
	100+81 - 107+54	LT	390
	100+81 - 107+54	RT	440
	107+54 - 111+24	LT	300
	107+54 - 111+24	RT	260
	10+00 N - 12+51 N	RT	110
	10+00 N - 12+51 N	LT	85
	9+00 ST - 10+00 ST	LT	50
	9+00 ST - 10+00 ST	RT	20
	7+00 D - 10+00 D	LT	120
	7+00 D - 10+00 D	RT	100
	10+00 D - 12+66 D	LT	2
	10+00 D - 12+66 D	RT	230
	9+25 L - 10+00 L	LT	35
	8+71 CW - 10+00 CW	LT	70
	8+71 CW - 10+00 CW	RT	30
	10+00 CE - 11+55 CE	LT	110
	10+00 CE - 11+55 CE	RT	85
	8+62 P - 10+00 P	LT	75
	8+62 P - 10+00 P	RT	40
	UNDISTRIBUTED	LT/RT	2,109
	SUBTOTALS (0010)		10,546
0040	70+95 - 87+64	LT	210
	92+26 - 96+81	RT	430
	SUBTOTALS (0040)		640
		TOTAL	11,186

SOIL STABILIZER TYPE B

CATEGORY	LOCATION	628.6510 ACRE
0010	UNDISTRIBUTED	2.2
	(SUBTOTAL(0010))	2.2
0040	UNDISTRIBUTED	0.1
	(SUBTOTAL(0040))	0.1
	TOTAL	2.3

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	57+70 - 61+83	LT	140	0.1	---	1	1	3	120
	57+70 - 61+83	RT	320	0.2	3	5	4	3	140
	57+70 - 61+83	MEDIAN	30	---	---	---	---	1	30
	61+83 - 70+95	LT	790	0.5	9	15	10	7	290
	61+83 - 70+95	RT	1,250	0.8	20	30	25	1	60
	61+83 - 70+95	MEDIAN	100	0.1	---	---	---	2	100
	70+95 - 87+64	LT	2,250	1.4	30	45	40	15	560
	70+95 - 87+64	RT	1,950	1.2	25	40	35	9	410
	70+95 - 87+64	MEDIAN	470	0.3	---	---	---	10	470
	87+64 - 92+26	LT	870	0.6	15	20	15	4	160
	87+64 - 92+26	RT	350	0.2	4	6	5	3	120
	87+64 - 92+26	MEDIAN	45	---	---	---	---	1	45
	92+26 - 96+81	LT	400	0.3	4	6	5	4	170
	92+26 - 96+81	RT	600	0.4	7	10	9	4	200
	96+81 - 100+81	LT	390	0.2	5	8	7	2	100
	96+81 - 100+81	RT	380	0.2	4	7	5	3	140
	96+81 - 100+81	MEDIAN	180	0.1	---	---	---	4	180
	100+81 - 107+54	LT	580	0.4	7	10	9	4	200
	100+81 - 107+54	RT	660	0.4	8	10	10	5	230
	107+54 - 111+24	LT	430	0.3	5	8	6	3	140
	107+54 - 111+24	RT	390	0.2	4	7	5	3	150
	8+50 N - 10+00 N	LT	30	---	---	---	---	1	30
	8+50 N - 10+00 N	RT	35	---	---	---	---	1	35
	10+00 N - 12+51 N	LT	170	0.1	2	2	2	2	85
	10+00 N - 12+51 N	RT	220	0.1	2	3	2	2	110
	9+00 ST - 10+00 ST	LT	75	---	1	1	1	1	30
	9+00 ST - 10+00 ST	RT	20	---	---	1	---	---	---
	7+00 D - 10+00 D	LT	190	0.1	2	3	3	2	70
	7+00 D - 10+00 D	RT	140	0.1	2	3	2	1	35
	10+00 D - 12+66 D	LT	75	---	---	---	---	2	70
	10+00 D - 12+66 D	RT	240	0.2	4	6	5	1	25
	9+25 L - 10+00 L	LT	35	---	1	1	1	---	---
	8+71 CW - 10+00 CW	LT	70	---	1	2	2	---	---
	8+71 CW - 10+00 CW	RT	30	---	---	1	1	---	---
	10+00 CE - 11+55 CE	LT	260	0.2	2	3	3	2	75
	10+00 CE - 11+55 CE	RT	210	0.1	2	2	2	1	65
	8+62 P - 10+00 P	LT	75	---	1	2	2	---	---
	8+62 P - 10+00 P	RT	40	---	1	1	1	---	---
	UNDISTRIBUTED		---	0.9	17	26	---	---	---
	SUBTOTALS (0010)		14,490	9.7	188	285	218	107	4,645
0040	70+95 - 87+64	LT	180	0.1	3	5	4	---	---
	92+26 - 96+81	RT	430	0.3	8	10	10	---	---
	SUBTOTALS (0040)		610	0.4	11	15	14	0	0
	TOTALS		15,100	10	199	300	232	107	4,645

SILT FENCE SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	61+83 - 70+95	LT	190	380
	61+83 - 70+95	RT	600	1,200
	70+95 - 87+64	LT	30	60
	70+95 - 87+64	RT	1,150	2,300
	87+64 - 92+26	LT	160	320
	87+64 - 92+26	RT	40	80
	92+26 - 96+81	RT	120	240
	96+81 - 100+81	RT	370	740
	100+81 - 107+54	LT	270	540
	100+81 - 107+54	RT	90	180
	10+00 CE - 11+55 CE	LT	100	200
	UNDISTRIBUTED	LT/RT	310	620
		TOTALS	3,430	6,860

MOBILIZATIONS EROSION CONTROL

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	STAGE 1	1	3
	STAGE 2	1	3
	STAGE 3	1	3
	STAGE 4	1	3
	STAGE 6	1	3
	TOTALS	5	15

EROSION MAT ITEMS

CATEGORY	STATION - STATION	LOCATION	628.2006 EROSION MAT URBAN CLASS I TYPE A SY
0010	61+83 - 70+95	RT	540
	70+95 - 87+64	RT	610
	UNDISTRIBUTED	RT	290
	TOTAL		1,440

ROCK BAGS

CATEGORY	STATION - STATION	LOCATION	628.7570 ROCK BAGS (AT STORM SEWER PIPES) EACH	628.7570 ROCK BAGS (AT TEMPORARY DITCH CHECKS) EACH
0010	65+17 - 65+17	40.9' LT	7	---
	111+23 - 111+23	27.5' LT	5	---
	7+10 D - 7+10 D	16.5' LT	3	---
	UNDISTRIBUTED	---	---	135
	SUBTOTALS		15	135
	TOTALS		150	

INLET PROTECTION SUMMARY

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	SPV.0060.04 INLET PROTECTION TYPE HC EACH
0010	56+61	33.0' RT	---	---	1
	56+70	33.0' RT	---	---	1
	56+76	33.0' LT	---	---	1
	56+84	33.0' LT	---	---	1
	56+92	33.0' LT	---	---	1
	57+53	33.0 'RT	---	---	1
	57+60	33.0' LT	---	---	1
	57+68	33.0' LT	---	---	1
	57+88	33.0' RT	---	---	1
	57+96	33.0' RT	---	---	1
	61+12	38.1' RT	1	---	1
	61+22	28.8' LT	1	---	1
	61+27	28.8' LT	---	---	1
	61+30	38.1' RT	---	---	1
	61+62	58.4' RT	---	---	1
	62+11	49.6' RT	---	---	1
	62+73	42.5' LT	1	---	1
	62+73	36.8' RT	1	---	1
	64+31	27.4' LT	---	---	1
	64+31	5.1' RT	1	---	1
	64+31	34.0' RT	---	---	1
	64+31	36.3' RT	1	---	1
	64+36	1.8' LT	1	---	1
	64+36	30.8' LT	1	---	1
	65+18	36.2' RT	1	---	1
	65+19	47.0' RT	1	1	---
	66+27	30.8' LT	1	---	1
	66+37	36.8' LT	1	---	1
	66+37	7.3' RT	1	---	1
	66+40	36.3' RT	1	---	1
	66+42	1.8' LT	1	---	1
	66+47	7.3' RT	1	---	1
	66+50	30.8' LT	1	---	1
	66+50	1.8' LT	1	---	1
	66+50	36.3' RT	1	---	1
	66+58	23.4' LT	---	---	1
	66+59	24.1' RT	---	---	1
	66+60	30.8' LT	1	---	1
	66+60	36.3' RT	1	---	1
	66+70	23.7' LT	---	---	1
	66+71	24.2' RT	---	---	1
	68+50	30.8' LT	1	---	1
	68+50	36.3' RT	1	---	1
	69+04	47.2' LT	1	---	1
	69+15	30.8' LT	1	---	1
	69+15	1.8' LT	1	---	1
	69+15	5.1' RT	1	---	1
	70+00	30.8' LT	1	---	1
	70+60	24.0' RT	---	---	1
	70+79	41.2' LT	---	---	1

CONT'D NEXT PAGE

INLET PROTECTION SUMMARY (CON'TD)

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	SPV.0060.04 INLET PROTECTION TYPE HC EACH
0010 (CONT'D)	70+81	50.2' LT	1	---	1
	71+14	45.9' LT	1	---	1
	71+14	40.8' LT	---	---	1
	71+25	1.8' LT	1	---	1
	71+25	5.6' RT	1	---	1
	71+42	44.8' LT	1	---	1
	71+48	14.3' LT	1	---	1
	71+48	36.3' RT	1	---	1
	71+68	30.8' LT	1	---	1
	72+80	48.6' LT	1	---	1
	72+95	30.8' LT	1	---	1
	73+00	48.6' LT	1	---	1
	73+15	30.8' LT	1	---	1
	73+15	1.8' LT	1	---	1
	73+15	7.3' RT	1	---	1
	73+15	36.3' RT	1	---	1
	74+86	75.3' LT	1	1	---
	75+15	30.8' LT	1	---	1
	75+15	1.8' LT	1	---	1
	75+15	5.4' RT	1	---	1
	75+15	24.0' RT	---	---	1
	75+15	36.3' RT	1	---	1
	75+86	50.0' LT	1	1	---
	76+80	62.0' LT	1	1	---
	76+94	24.0' RT	---	---	1
	76+96	44.6' LT	1	---	1
	79+32	24.2' LT	---	---	1
	79+34	24.0' RT	---	---	1
	79+35	30.8' LT	1	---	1
	79+39	29.3' RT	---	---	1
	79+43	49.2' LT	---	1	---
	79+45	30.8' LT	1	---	1
	79+46	36.3' RT	1	---	1
	79+55	30.8' LT	1	---	1
	79+62	36.3' RT	1	---	1
	79+65	30.8' LT	1	---	1
	79+72	36.3' RT	1	---	1
	80+15	1.8' LT	1	---	1
	80+15	5.7' RT	1	---	1
	81+50	30.8' LT	1	---	1
	81+50	36.3' RT	1	---	1
	82+60	1.8' LT	1	---	1
	82+60	4.5' RT	1	---	1
	84+00	1.8' LT	1	---	1
	84+00	6.1' RT	1	---	1
	84+13	44.7' LT	---	---	1
	84+88	48.0' LT	---	---	1
	85+98	33.9' RT	1	---	1
	86+18	33.5' LT	1	---	1
	86+18	4.5' LT	1	---	1

CONT'D ABOVE

INLET PROTECTION SUMMARY (CON'TD)

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	SPV.0060.04 INLET PROTECTION TYPE HC EACH
0010 (CONT'D)	86+18	1.8' RT	1	---	1
	86+18	33.5' RT	1	---	1
	86+25	49.5' LT	1	---	1
	86+67	46.1' LT	1	---	1
	86+71	33.5' LT	1	---	1
	86+91	33.5' RT	1	---	1
	87+11	33.5' LT	1	---	1
	87+11	33.5' RT	1	---	1
	87+19	25.0' LT	---	---	1
	87+37	39.8' RT	---	---	1
	87+76	40.9' RT	---	---	1
	87+96	24.6' RT	---	---	1
	88+10	24.0' LT	---	---	1
	88+63	33.5' LT	1	---	1
	88+64	33.5' RT	1	---	1
	88+74	33.5' RT	1	---	1
	88+84	33.5' RT	1	---	1
	88+85	33.5' LT	1	---	1
	88+95	33.5' RT	1	---	1
	89+10	33.5' RT	1	---	1
	89+20	33.5' RT	1	---	1
	89+28	33.5' LT	1	---	1
	89+38	33.2' RT	1	---	1
	90+00	29.4' RT	1	---	1
	90+29	41.5' LT	1	---	1
	90+36	27.6' RT	1	---	1
	90+36	39.9' RT	1	---	1
	90+75	27.5' LT	1	---	1
	90+75	27.5' RT	1	---	1
	91+45	40.4' RT	1	---	1
	92+21	40.4' RT	1	---	1
	92+74	24.0' LT	---	---	1
	92+76	24.1' RT	---	---	1
	92+76	40.4' RT	1	---	1
	92+82	27.5' LT	1	---	1
	92+82	27.6' RT	1	---	1
	92+92	27.5' LT	1	---	1
	92+92	28.0' RT	1	---	1
	96+66	48.2' LT	1	---	1
	96+97	47.8' LT	1	---	1
	97+50	27.5' LT	1	---	1
	98+35	27.5' LT	1	---	1
	99+38	27.5' LT	1	---	1
	99+38	1.5' RT	1	---	1
	99+38	6.9' RT	1	---	1
	99+38	39.5' RT	1	---	1
	99+58	27.5' LT	1	---	1
	100+12	39.5' RT	1	---	1
	100+32	27.5' LT	1	---	1
	100+32	39.5' RT	1	---	1

CONT'D ABOVE

INLET PROTECTION SUMMARY (CON'TD)

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	SPV.0060.04 INLET PROTECTION TYPE HC EACH
0010 (CONT'D)	100+68	51.1' LT	1	---	1
	100+99	50.9' LT	1	---	1
	102+96	39.5' RT	1	---	1
	103+16	27.5' LT	1	---	1
	103+16	3.5' RT	1	---	1
	103+16	10.2' RT	1	---	1
	103+16	39.2' RT	1	---	1
	105+05	28.4' RT	1	---	1
	105+25	27.5' LT	1	---	1
	105+25	27.8' RT	1	---	1
	105+45	27.5' RT	1	---	1
	106+95	24.1' RT	---	---	1
	106+95	27.5' RT	1	---	1
	106+97	23.9' LT	---	---	1
	107+10	27.5' LT	1	---	1
	107+11	24.2' LT	---	---	1
	107+16	24.1' RT	---	---	1
	107+16	27.5' RT	1	---	1
	107+17	45.0' RT	1	1	---
	108+23	24.1' RT	---	---	1
	108+26	27.5' LT	1	---	1
	108+51	57.0' LT	---	1	---
	108+80	27.5' RT	1	---	1
	109+00	27.5' LT	1	---	1
	109+00	27.5' RT	1	---	1
	111+23	27.5'LT	---	---	1
	111+28	27.5' RT	---	---	1
	111+53	64.0' LT	---	---	1
	111+58	60.9' RT	---	---	1
	111+89	65.9' LT	---	---	1
	111+96	58.8' RT	---	---	1
	10+65 N	21.6' LT	1	---	1
	10+69 N	17.0' RT	1	---	1
	10+80 N	28.6' RT	1	---	1
	10+84 N	21.5' LT	1	---	1
	11+31 N	24.5' RT	1	---	1
	6+79 D	31.1' LT	---	---	1
	7+12 D	32.3' LT	---	---	1
	7+13 D	32.5' RT	---	---	1
	7+40 D	17.6' LT	1	---	1
	7+70 D	42.3' LT	---	1	---
	8+25 D	17.6' LT	1	---	1
	8+25 D	17.5' RT	1	---	1
	10+58 D	17.6' LT	1	---	1
	10+70 D	17.5' LT	1	---	1
	10+76 D	23.6' RT	1	---	1
	10+83 D	20.2' RT	1	---	1
	NICHOLS RD		---	---	2
	PFLAUM RD		---	---	2
	ST. TERESA		---	---	2

CONT'D NEXT PAGE

INLET PROTECTION SUMMARY (CON'TD)

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	SPV.0060.04 INLET PROTECTION TYPE HC EACH
0010 (CONT'D)	SPRINGHAVEN AVE		---	---	2
	LOFTY AVE		---	---	2
	COLDSPRING		---	---	4
	PARKWAY ST		---	---	2
	MONONA DR	NORTH OF STA 112+00	---	---	2
	SUBTOTALS (0010)		143	8	207
0040	83+33	100.4' LT	1	---	1
	83+65	44.6' LT	1	---	1
	12+12 HS	0.0' LT	1	1	---
	12+43 HS	13.5' RT	1	---	1
	13+17 HS	17.6' LT	---	---	1
	13+30 HS	15.9' RT	1	---	1
	SUBTOTALS (0040)		5	1	5
	TOTALS		148	9	212

MOVING/REMOVING SIGN ITEMS

CATEGORY	STAGE	SIGN NUMBER	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	REMARKS
0010	STAGE 1	E5-7	---	1	---	---	
		E5-8	---	1	---	---	
		E5-9	1	---	---	1	
		E5-11	---	1	1	---	
		E5-12	1	---	---	1	
		E5-15	---	1	---	---	
		E5-16	---	1	---	---	
		E6-2	1	---	---	1	
		E7-1	---	1	1	---	
		E9-1	1	---	---	1	
		E9-2	---	1	---	---	
		E9-6	---	1	---	---	
		E9-11	---	1	---	---	
		E9-17	---	1	---	---	
		E9-18	---	1	1	---	
		E10-2	1	---	---	1	
		E10-3	1	---	---	1	
		E11-2	1	---	---	1	
		E11-3	1	---	---	1	
		E11-4	---	1	---	---	
		E11-5	---	1	1	---	
		E11-7	---	1	---	---	
		E11-9	---	1	---	---	

CONT'D ABOVE

MOVING/REMOVING SIGN ITEMS (CONT'D)

CATEGORY	STAGE	SIGN NUMBER	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	REMARKS
0010 (CONT'D)	STAGE 1	E11-10	1	---	---	1	
		E11-13	1	---	---	---	
		E11-14	---	1	---	---	
		E11-16	---	1	---	---	
		E12-1	1	---	---	1	
		E12-2	---	1	1	---	
		E12-3	1	---	---	1	
		E12-4	---	1	1	---	
		E12-6	1	---	---	1	
		E13-1	1	---	---	1	
		E13-3	1	---	1	---	
		SUBTOTALS (STAGE 1 (0010))	15	19	7	13	
	STAGE 2	E5-3	1	---	---	1	
		E5-4	1	---	---	---	MOUNT WITH SIGN E5-3
		E5-9	1	---	---	1	
		E5-13	1	1	1	1	
		E5-14	1	1	---	---	MOUNT WITH SIGN E5-13
		E5-19	1	---	---	1	
		E5-20	---	1	1	---	
		E5-23	1	---	---	1	
		E5-24	1	---	---	1	
		E5-25	1	---	---	---	MOUNT WITH SIGN E5-24
		E5-26	1	---	---	1	
		E6-2	1	---	---	1	
		E6-4	---	1	1	---	
		E7-2	---	1	1	---	
		E7-3	1	---	---	1	
		E8-4	---	1	1	---	
		E9-1	1	---	---	1	
		E9-9	---	1	1	---	
		E10-2	1	---	---	1	
		E10-3	1	---	---	1	
		E10-4	1	---	---	1	
		E10-5	---	1	1	---	
		E10-6	1	---	---	1	
		E10-7	1	---	---	1	
		E10-9	---	1	1	---	
		E11-2	1	---	---	1	
		E11-3	1	---	---	1	
		E11-10	1	---	---	1	
		E11-11	1	---	---	1	
		E11-12	1	---	---	1	
		E11-13	1	---	---	1	
		E12-1	1	---	---	1	
		E12-3	1	---	---	1	
		E12-6	1	---	---	1	
		E13-1	1	---	---	1	
		SUBTOTALS (STAGE 2 (0010))	28	9	8	25	

CONT'D NEXT PAGE

MOVING/REMOVING SIGN ITEMS (CONT'D)

CATEGORY	STAGE	SIGN NUMBER	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	REMARKS
0010 (CONT'D)	STAGE 3	E5-1	2	---	1	1	
		E5-2	1	---	1	---	
		E5-3	2	1	1	2	
		E5-4	2	1	---	---	MOUNT WITH SIGN E5-3
		E5-9	1	1	1	1	
		E5-12	1	1	1	1	
		E5-23	1	1	1	1	
		E5-24	1	1	1	1	
		E5-25	1	1	---	---	MOUNT WITH SIGN E5-24
		E5-26	2	---	---	2	
		E6-2	1	1	1	1	
		E6-3	1	---	1	---	
		E7-3	1	---	---	1	
		E9-1	1	1	1	1	
		E9-3	---	1	1	---	
		E9-5		1	---	---	
		E10-2	1	1	1	1	
		E10-3	1	1	1	1	
		E10-4	1	---	---	1	
		E10-6	1	---	---	1	
		E10-7	1	---	---	1	
		E11-2	1	1	1	1	
		E11-3	1	1	1	1	
		E11-6	1	---	---	1	
		E11-8	---	1	1	---	
		E11-10	1	1	1	1	
		E11-11	1	---	---	1	
		E11-12	1	---	---	1	
		E11-13	1	---	---	1	
		E12-1	1	1	1	1	
		E12-3	1	1	1	1	
		E12-6	1	1	1	1	
		E13-1	1	1	1	1	
		SUBTOTALS (STAGE 3 (0010))	34	21	21	28	
	STAGE 4	E5-26	1	1	1	1	
		E7-3	1	1	1	1	
		E10-4	1	1	1	1	
		E10-6	1	1	1	1	
		E10-7	1	1	1	1	
		E11-11	1	1	1	1	
		E11-12	1	1	1	1	
		E11-13	1	1	1	1	
		E11-15	---	1	1	---	
		E11-17	---	1	1	---	
		SUBTOTALS (STAGE 4 (0010))	8	10	10	8	
		SUBTOTAL (0010)	85	59	46	74	
0020	STAGE 1	E5-5	1	---	1	---	
		E5-6	1	---	---	---	MOUNT WITH SIGN E5-5
		E5-10	1	---	---	---	
		E5-17	1	---	---	1	
		E5-18	1	---	---	---	MOUNT WITH SIGN E5-17

CONT'D ABOVE

MOVING/REMOVING SIGN ITEMS (CONT'D)

CATEGORY	STAGE	SIGN NUMBER	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	REMARKS
0020 (CONT'D)	STAGE 1	E6-1	1	---	---	---	MOUNT WITH SIGN E6-2
		E9-7	1	---	1	---	
		E9-8	1	---	1	---	
		E10-1	1	---	---	---	
		E11-1	1	---	---	---	
		E12-5	1	---	---	---	MOUNT WITH SIGN E12-6
		E12-7	---	1	1	---	
		E13-2	---	1	1	---	
		E13-4	---	1	1	---	
		SUBTOTALS (STAGE 1 (0020))	11	3	6	1	
	STAGE 2	E5-21	1	---	---	1	
		E5-22	1	---	---	1	
		E6-1	1	---	---	---	MOUNT WITH SIGN E6-2
		E8-4	---	1	1	---	
		E9-10	1	---	1	---	
		E9-12	1	---	1	---	
		E9-13	1	---	---	---	MOUNT WITH SIGN E9-12
		E10-1	1	---	---	---	MOUNT WITH SIGN E10-2
		E10-8	1	---	---	---	
		E10-10	1	---	---	1	
		E11-1	1	---	---	---	MOUNT WITH SIGN E11-2
		E12-5	1	---	---	---	MOUNT WITH SIGN E12-6
		SUBTOTALS (STAGE 2 (0020))	11	1	3	3	
	STAGE 3	E6-1	1	---	---	---	MOUNT WITH SIGN E6-2
		E9-4	1	---	1	---	
		E9-12	1	---	---	1	
		E9-13	1	---	---	---	MOUNT WITH SIGN E9-12
		E10-1	1	---	---	---	MOUNT WITH SIGN E10-2
		E10-10	1	---	---	1	
		E11-1	1	---	---	---	MOUNT WITH SIGN E11-2
		E12-5	1	---	---	---	MOUNT WITH SIGN E12-6
		SUBTOTALS (STAGE 3 (0020))	8	---	1	2	
	STAGE 4	E9-12	1	---	---	1	
		E9-13	1	---	---	---	MOUNT WITH SIGN E9-12
		E9-14	1	---	1	---	
		E9-15	1	---	---	---	MOUNT WITH SIGN E9-15
		E9-16	1	---	1	---	
		E10-10	1	1	1	1	
		SUBTOTALS (STAGE 4 (0020))	6	1	3	2	
		SUBTOTAL (0020)	36	5	13	8	
0040	STAGE 1	E8-1	1	1	1	1	
		E8-2	1	---	1	---	
		E8-3	1	---	1	---	
		SUBTOTALS (STAGE 1 (0040))	3	1	3	1	
		SUBTOTAL (0040)	3	1	3	1	
		TOTALS	124	65	62	83	

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	SPV.0060.08 SIGN POST 12-FT EACH	SPV.0060.09 SIGN POST 14-FT EACH	SPV.0060.10 SIGN POST 16-FT EACH	SPV.0060.74 REFLECTIVE SIGN POST 14-FT EACH	SPV.0060.75 REFLECTIVE SIGN POST 16-FT EACH	SPV.0060.80 PRECAST SIGN POST BASE EACH	REMARKS
0010	1-1	59+20	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	1	---	---	---	---	
	2-1	60+16	LT	---	SPEED LIMIT 30 MPH	24" x 30"	---	---	---	1	---	---	---	1	
	2-2	60+97	LT	---	BIKE LANE	30" x 24"	---	---	---	1	---	---	---	1	
	2-5	61+57	LT	R1-1F	FOLDING STOP	30" x 30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	2-6	61+63	LT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	2-7	62+33	LT	R1-1F	FOLDING STOP	30" x 30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	2-9	63+85	LT	S4-51	SCHOOL SPEED LIMIT 20 MPH	24" x 48"	8.00	---	---	---	---	---	1	1	
	2-10	64+49	LT	R14-1	TRUCK ROUTE	24" x 18"	3.00	---	---	---	---	1	---	1	
	2-11	64+49	LT	M6-6	ARROW LEFT AND AHEAD	21" x 21"	3.06	---	---	---	---	---	---	---	MOUNT ON SIGN POST 2-10
	2-12	64+14	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	---	
	2-13	64+32	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	---	
	2-14	60+10	RT	---	TRUCK ROUTE	24" x 18"	---	---	---	---	---	---	---	1	MOUNT ON EXISTING POST
	2-15	60+10	RT	---	ARROW AHEAD AND RIGHT	21" x 21"	---	---	---	---	---	---	---	---	MOUNT ON SIGN POST 2-14
	2-16	61+25	RT	R1-1F	FOLDING STOP	30" x 30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	2-17	61+71	RT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	2-18	61+88	RT	R3-7L	LEFT LANE MUST TURN LEFT	30" x 30"	6.25	---	---	---	---	1	---	1	
	2-21	62+12	RT	R1-1F	FOLDING STOP	30" x 30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	2-24	62+60	RT	---	TRUCK ROUTES HAVE YELLOW SIGN POSTS	30" x 30"	---	---	---	---	---	1	---	1	
	2-25	64+24	RT	R3-17	BIKE LANE	30" x 24"	5.00	---	---	---	---	1	---	1	
	2-27	65+36	RT	R2-1	SPEED LIMIT 30 MPH	24" x 30"	5.00	---	---	---	---	1	---	1	
	2-29	62+33	SIGNAL ARM	R10-50	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30" x 36"	7.50	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL ARM
	2-30	61+29	SIGNAL ARM	R10-50	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30" x 36"	7.50	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL ARM
	3-1	67+50	LT	R2-1	SPEED LIMIT 30 MPH	24" x 30"	5.00	---	---	---	---	1	---	1	
	3-4	70+29	LT	R3-17	BIKE LANE	30" x 24"	5.00	---	---	---	---	1	---	1	
	3-5	70+76	LT	R1-1	STOP	30" x 30"	5.18	---	---	1	---	---	---	1	
	3-6	71+15	LT	---	TWO HOUR PARKING	18" x 24"	---	---	---	---	---	1	---	1	
	3-7	71+45	LT	W11-2	PED CROSSING	30" x 30"	6.25	---	---	1	---	---	---	1	
	3-8	71+45	LT	W16-7L	DIAGONAL ARROW LEFT	24" x 12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 3-7
	3-9	66+11	MED	R4-7	KEEP RIGHT	24" x 30"	5.00	---	---	---	---	1	---	1	
	3-10	66+48	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	1	
	3-11	69+17	MED	R4-7	KEEP RIGHT	24" x 30"	5.00	---	---	---	---	1	---	---	
	3-12	69+30	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	---	
	3-13	71+43	MED	R4-7	KEEP RIGHT	24" x 30"	5.00	---	---	---	---	1	---	1	
	3-14	68+97	RT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	3-15	71+31	RT	W11-2	PED CROSSING	30" x 30"	6.25	---	---	1	---	---	---	1	
	3-16	71+31	RT	W16-7L	DIAGONAL ARROW LEFT	24" x 12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 3-15
	3-17	71+70	RT	R3-17	BIKE LANE	30" x 24"	5.00	---	---	---	---	1	---	1	
	4-5	73+92	LT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	4-12	73+21	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	1	
	4-13	75+18	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	---	
	4-14	77+05	MED	R4-7	KEEP RIGHT	24" x 30"	5.00	---	---	---	---	1	---	1	
	4-15	77+33	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	1	
	4-16	73+33	RT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	4-17	74+65	RT	R2-1	SPEED LIMIT 30 MPH	24" x 30"	5.00	---	---	---	---	1	---	1	
	5-4	80+15	MED	R4-7	KEEP RIGHT	24" x 30"	5.00	---	---	---	---	1	---	1	
	5-5	80+68	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	1	
	5-6	82+64	MED	R4-7	KEEP RIGHT	24" x 30"	5.00	---	---	---	---	1	---	1	
	5-7	83+90	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	1	
	5-8	79+14	RT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	6-1	86+01	LT	R2-1	SPEED LIMIT 30 MPH	24" x 30"	5.00	---	---	---	---	1	---	1	
	6-2	86+96	LT	R3-17	BIKE LANE	30" x 24"	5.00	---	---	---	---	1	---	1	
	6-3	87+36	LT	R1-1F	FOLDING STOP	30" x 30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	6-4	87+39	LT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	---	
					SHEET TOTALS		197.99	25.90	---	6	---	34	1	35	

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN			637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	SPV.0060.08 SIGN POST 12-FT EACH	SPV.0060.09 SIGN POST 14-FT EACH	SPV.0060.10 SIGN POST 16-FT EACH	SPV.0060.74 REFLECTIVE SIGN POST 14-FT EACH	SPV.0060.75 REFLECTIVE SIGN POST 16-FT EACH	SPV.0060.80 PRECAST SIGN POST BASE EACH	REMARKS
0010	6-5	7+62 D	LT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	---	---	1	---	1	
CONT'D	6-6	87+87	LT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	---	---	1	---	1	
	6-8	88+10	LT	R1-1F	FOLDING STOP	30"	x	30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	6-9	89+37	LT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	---	---	1	---	1	
	6-11	85+95	MED	R3-55L	LEFT TURN LANE	24"	x	30"	5.00	---	---	---	---	1	---	---	
	6-12	89+39	MED	R3-55L	LEFT TURN LANE	24"	x	30"	5.00	---	---	---	---	1	---	---	
	6-14	85+33	RT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	---	---	1	---	1	
	6-17	87+25	RT	R1-1F	FOLDING STOP	30"	x	30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	6-21	87+87	RT	R1-1F	FOLDING STOP	30"	x	30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	6-22	88+37	RT	R3-17	BIKE LANE	30"	x	24"	5.00	---	---	---	---	1	---	1	
	6-23	88+80	RT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	---	---	1	---	1	
	6-24	89+50	RT	R2-1	SPEED LIMIT 30 MPH	24"	x	30"	5.00	---	---	---	---	1	---	1	
	6-25	87+21	SIGNAL ARM	R10-50	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30"	x	36"	7.50	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL ARM
	6-26	88+10	SIGNAL ARM	R10-50	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30"	x	36"	7.50	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL ARM
	7-2	90+90	LT	R2-1	SPEED LIMIT 30 MPH	24"	x	30"	5.00	---	---	---	---	1	---	1	
	7-4	92+11	LT	R1-1	STOP	30"	x	30"	5.18	---	---	1	---	---	---	1	
	7-5	92+77	LT	W11-2	PED CROSSING	30"	x	30"	6.25	---	---	1	---	---	---	1	
	7-6	92+77	LT	W16-7L	DIAGONAL ARROW LEFT	24"	x	12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 7-5
	7-7	94+10	MED	R4-7	KEEP RIGHT	24"	x	30"	5.00	---	---	---	---	1	---	---	
	7-8	90+75	RT	S1-1	SCHOOL ADVANCE	36"	x	36"	9.00	---	---	---	1	---	---	1	
	7-9	90+75	RT	WF16-7L	DIAGONAL ARROW LEFT	24"	x	12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 7-8
	7-10	90+75	RT	R2-6P	FINES HIGHER	24"	x	18"	3.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 7-8
	7-11	91+61	RT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	---	---	1	---	1	
	7-14	92+66	RT	W11-2	PED CROSSING	30"	x	30"	6.25	---	---	1	---	---	---	1	
	7-15	92+66	RT	W16-7L	DIAGONAL ARROW LEFT	24"	x	12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 7-14
	7-16	93+04	RT	R3-17	BIKE LANE	30"	x	24"	5.00	---	---	---	---	1	---	1	
	7-17	94+33	RT	S4-51	SCHOOL SPEED LIMIT 20 MPH	24"	x	48"	8.00	---	---	---	---	---	---	1	MOUNT ON TRAFFIC SIGNAL FLASHER ASSEMBLY
	7-18	93+67	RT	R7-4D	NO STOPPING OR STANDING DOUBLE ARROW	18"	x	24"	3.00	---	---	---	---	1	---	1	
	7-20	91+64	LT	R3-17	BIKE LANE	30"	x	24"	5.00	---	---	---	---	1	---	1	
	8-1	96+14	LT	R3-17	BIKE LANE	30"	x	24"	5.00	---	---	---	---	1	---	1	
	8-2	96+61	LT	R1-1	STOP	30"	x	30"	5.18	---	---	1	---	---	---	1	
	8-3	97+35	LT	S1-1	SCHOOL ADVANCE	36"	x	36"	9.00	---	---	---	1	---	---	1	
	8-4	97+35	LT	WF16-7L	DIAGONAL ARROW LEFT	24"	x	12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 8-3
	8-5	98+97	LT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	---	---	1	---	1	
	8-6	100+12	LT	R3-17	BIKE LANE	30"	x	24"	5.00	---	---	---	---	1	---	1	
	8-7	100+58	LT	R1-1F	FOLDING STOP	30"	x	30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	8-8	100+66	LT	---	NO PARKING 8AM-4PM EXCEPT POLICE	18"	x	24"	---	---	---	1	---	---	---	1	
	8-9	101+04	LT	R7-51R	NO PARKING HERE TO CORNER ARROW RIGHT	18"	x	24"	3.00	---	---	1	---	---	---	1	
	8-10	101+27	LT	R1-1F	FOLDING STOP	30"	x	30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	8-11	97+11	MED	R4-7	KEEP RIGHT	24"	x	30"	5.00	---	---	---	---	1	---	---	
	8-12	99+10	MED	R3-55L	LEFT TURN LANE	24"	x	30"	5.00	---	---	---	---	1	---	1	
	8-13	97+24	RT	WF16-7L	DIAGONAL ARROW LEFT	24"	x	12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 8-14
	8-14	97+24	RT	S1-1	SCHOOL ADVANCE	36"	x	36"	9.00	---	---	---	1	---	---	1	
	8-15	97+62	RT	R3-17	BIKE LANE	30"	x	24"	5.00	---	---	---	---	1	---	1	
	8-16	98+25	RT	W3-3	SIGNAL AHEAD	36"	x	36"	9.00	---	---	---	---	---	1	1	
	8-17	100+39	RT	R1-1F	FOLDING STOP	30"	x	30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	8-18	100+60	RT	R7-51R	NO PARKING HERE TO CORNER ARROW RIGHT	18"	x	24"	3.00	---	---	1	---	---	---	1	
	8-19	101+08	RT	R7-1D	NO PARKING ANY TIME	18"	x	24"	3.00	---	---	1	---	---	---	1	
	8-20	101+09	RT	R1-1F	FOLDING STOP	30"	x	30"	---	5.18	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	8-21	101+55	RT	R3-17	BIKE LANE	30"	x	24"	5.00	---	---	---	---	1	---	1	
	8-22	101+27	SIGNAL ARM	R10-50	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30"	x	36"	7.50	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL ARM
					SHEET TOTALS				205.36	36.26	---	8	3	22	1	31	

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	SPV.0060.08 SIGN POST 12-FT EACH	SPV.0060.09 SIGN POST 14-FT EACH	SPV.0060.10 SIGN POST 16-FT EACH	SPV.0060.74 REFLECTIVE SIGN POST 14-FT EACH	SPV.0060.75 REFLECTIVE SIGN POST 16-FT EACH	SPV.0060.80 PRECAST SIGN POST BASE EACH	REMARKS
0010	8-23	100+39	SIGNAL ARM	R10-50	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30" x 36"	7.50	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL ARM
CONT'D	9-1	102+56	LT	S4-51	SCHOOL SPEED LIMIT 20 MPH	24" x 48"	8.00	---	---	---	---	---	---	1	MOUNT ON TRAFFIC SIGNAL FLASHER ASSEMBLY
	9-2	103+11	LT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	9-3	104+26	LT	W3-3	SIGNAL AHEAD	36" x 36"	9.00	---	---	---	---	---	1	1	
	9-4	105+27	LT	S1-1	SCHOOL ADVANCE	36" x 36"	9.00	---	---	---	1	---	---	1	
	9-5	105+27	LT	WF16-9P	AHEAD	24" x 8"	1.33	---	---	---	---	---	---	---	MOUNT ON SIGN POST 9-4
	9-6	105+27	LT	R2-6P	FINES HIGHER	24" x 18"	3.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 9-4
	9-7	106+04	LT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	9-8	106+83	LT	R3-17	BIKE LANE	30" x 24"	5.00	---	---	---	---	1	---	1	
	9-9	107+29	LT	R1-1	STOP	30" x 30"	5.18	---	---	1	---	---	---	1	
	9-10	103+29	MED	R3-55L	LEFT TURN LANE	24" x 30"	5.00	---	---	---	---	1	---	---	
	9-11	102+95	RT	R2-1	SPEED LIMIT 30 MPH	24" x 30"	5.00	---	---	---	---	1	---	1	
	9-13	103+90	RT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	10-1	108+85	LT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	10-2	109+97	LT	R2-1	SPEED LIMIT 30 MPH	24" x 30"	5.00	---	---	---	---	1	---	1	
	10-3	110+99	LT	R3-17	BIKE LANE	30" x 24"	5.00	---	---	---	---	1	---	1	
	10-4	112+16	LT	W11-2	PED CROSSING	30" x 30"	6.25	---	---	1	---	---	---	1	
	10-5	108+87	RT	R7-1D	NO PARKING ANY TIME	18" x 24"	3.00	---	---	---	---	1	---	1	
	10-6	111+29	RT	W11-2	PED CROSSING	30" x 30"	6.25	---	---	1	---	---	---	1	
	10-7	111+29	RT	W16-7L	DIAGONAL ARROW LEFT	24" x 12"	2.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 10-6
					SHEET TOTALS		97.51	---	---	3	1	10	1	15	
					SUBTOTAL (CATEGORY 0010)		500.87	62.16	---	17	4	66	3	81	
0020	2-3	61+29	LT	---	LIBRARY	--- --- ---	---	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	2-4	61+29	LT	---	ARROW RIGHT	--- --- ---	---	---	---	---	---	---	---	---	MOUNT BELOW 2-3 ON NEW SIGNAL POLE
	2-8	62+33	LT	---	BUSINESS	--- --- ---	---	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	2-19	62+06	RT	---	BIKE ROUTE	24" x 30"	---	---	---	---	---	1	---	1	
	2-20	62+06	RT	---	BIKE ROUTE	24" x 30"	---	---	---	---	---	---	---	---	MOUNT ON SIGN POST 2-19
	2-22	62+33	RT	---	LIBRARY	--- --- ---	---	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	2-23	62+33	RT	---	ARROW LEFT	--- --- ---	---	---	---	---	---	---	---	---	MOUNT BELOW 2-22 ON NEW SIGNAL POLE
	2-26	64+65	RT	---	WELCOME TO MADISON	48" x 48"	---	---	---	---	---	---	1	1	
	2-28	65+99	RT	---	CALENDAR PARKING REGULATIONS	30" x 30"	---	---	---	---	---	1	---	1	
	3-2	69+45	LT	R7-8A	RESERVED PARKING HANDICAPPED	12" x 18"	1.50	---	1	---	---	---	---	1	
	3-3	69+45	LT	R7-8V	VAN ACCESSIBLE	12" x 6"	0.50	---	---	---	---	---	---	---	MOUNT ON SIGN POST 3-2
	4-1	72+91	LOT	R7-8A	RESERVED PARKING HANDICAPPED	12" x 18"	1.50	---	1	---	---	---	---	1	
	4-2	72+91	LOT	R7-8V	VAN ACCESSIBLE	12" x 6"	0.50	---	---	---	---	---	---	---	MOUNT ON SIGN POST 4-1
	4-3	73+17	LOT	R7-8A	RESERVED PARKING HANDICAPPED	12" x 18"	1.50	---	1	---	---	---	---	1	
	4-4	73+17	LOT	R7-8V	VAN ACCESSIBLE	12" x 6"	0.50	---	---	---	---	---	---	---	MOUNT ON SIGN POST 4-3
	4-6	75+44	LOT	R7-8A	RESERVED PARKING HANDICAPPED	12" x 18"	1.50	---	1	---	---	---	---	1	
	4-7	75+44	LOT	R7-8V	VAN ACCESSIBLE	12" x 6"	0.50	---	---	---	---	---	---	---	MOUNT ON SIGN POST 4-6
	4-8	77+43	LOT	R7-8A	RESERVED PARKING HANDICAPPED	12" x 18"	1.50	---	1	---	---	---	---	1	
	4-9	77+43	LOT	R7-8V	VAN ACCESSIBLE	12" x 6"	0.50	---	---	---	---	---	---	---	MOUNT ON SIGN POST 4-8
	4-10	77+69	LOT	R7-8A	RESERVED PARKING HANDICAPPED	12" x 18"	1.50	---	1	---	---	---	---	1	
	4-11	77+69	LOT	R7-8V	VAN ACCESSIBLE	12" x 6"	0.50	---	---	---	---	---	---	---	MOUNT ON SIGN POST 4-10
	6-7	87+87	LT	---	NEIGHBORHOOD WATCH	21" x 24"	---	---	---	---	---	---	---	---	MOUNT ON SIGN POST 6-6
					SHEET TOTALS		12.00	---	6	---	---	2	1	9	

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.0202 SIGNS REFLECTIVE TYPE II SF	637.0402 SIGNS REFLECTIVE FOLDING TYPE II SF	SPV.0060.08 SIGN POST 12-FT EACH	SPV.0060.09 SIGN POST 14-FT EACH	SPV.0060.10 SIGN POST 16-FT EACH	SPV.0060.74 REFLECTIVE SIGN POST 14-FT EACH	SPV.0060.75 REFLECTIVE SIGN POST 16-FT EACH	SPV.0060.80 PRECAST SIGN POST BASE EACH	REMARKS
0020	6-10	89+92	LOT	---	ATM CUSTOMER PARKING ONLY	12" x 18"	---	---	1	---	---	---	---	1	
CONT'D	6-13	85+17	RT	---	DOGS NOT ALLOWED	18" x 24"	---	---	---	1	---	---	---	1	
	6-15	87+25	RT	---	LAKE LOOP BIKE ROUTE	24" x 30"	---	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	6-16	87+25	RT	---	LAKE LOOP BIKE ROUTE	24" x 30"	---	---	---	---	---	---	---	---	MOUNT ON NEW SIGNAL POLE
	6-18	87+34	RT	---	PUBLIC WASTE OIL COLLECTION POINT	30" x 30"	---	---	---	---	---	1	---	1	
	6-19	87+34	RT	---	PUBLIC WASTE OIL COLLECTION POINT	30" x 30"	---	---	---	---	---	---	---	---	MOUNT ON SIGN POST 6-18
	6-20	87+84	RT	---	LAKE LOOP BIKE ROUTE ARROW AHEAD	24" x 30"	---	---	---	---	---	1	---	1	
	7-1	90+01	LOT	---	ATM CUSTOMER PARKING ONLY	12" x 18"	---	---	1	---	---	---	---	1	
	7-3	90+90	LT	S5-2	END SCHOOL ZONE	24" x 30"	5.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 7-2
	7-12	91+61	RT	---	DRUG/SMOKE FREE SCHOOL ZONE	12" x 24"	---	---	---	---	---	---	---	---	MOUNT ON SIGN POST 7-11
	7-13	92+15	LOT	R1-1	STOP	18" x 18"	1.86	---	1	---	---	---	---	1	
	7-19	94+82	LOT	R1-1	STOP	18" x 18"	1.86	---	1	---	---	---	---	1	
	9-12	102+95	RT	S5-2	END SCHOOL ZONE	24" x 30"	5.00	---	---	---	---	---	---	---	MOUNT ON SIGN POST 9-11
					SHEET TOTALS		13.72	---	4	1	---	2	---	7	
					SUBTOTAL (CATEGORY 0020)		25.72	---	10	1	---	4	1	16	
0040	5-1	82+17	LOT	R1-1	STOP	18" x 18"	1.86	---	1	---	---	---	---	1	
	5-2	83+86	LOT	---	RESERVED PARKING HANDICAPPED	12" x 18"	---	---	1	---	---	---	---	1	
	5-3	83+86	LOT	---	RESERVED PARKING HANDICAPPED	12" x 18"	---	---	1	---	---	---	---	1	
					SUBTOTALS (CATEGORY 0040)		1.86	---	3	---	---	---	---	3	
					TOTALS		528.45	62.16	13	18	4	70	4	100	

TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE

CATEGORY	PROJECT	643.0200 DAYS
0010	01. 5994-00-72	430

TRAFFIC CONTROL

CATEGORY	STAGE	STATION - STATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS		643.0410 TRAFFIC CONTROL BARRICADES TYPE II		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		643.0900 TRAFFIC CONTROL SIGNS		643.1050 TRAFFIC CONTROL SIGNS PCMS		643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES
				EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	EACH
0010	STAGE 1-PHASE 1	96+81 - 100+81	10	18	180	1	10	2	20	4	40	7	70	1	10	10	100	1	10	---	---
		100+81 - 107+54	10	19	190	---	---	1	10	2	20	---	---	---	---	1	10	---	---	---	---
		107+54 - 114+00	10	34	340	1	10	2	20	4	40	11	110	---	---	7	70	1	10	---	---
		SIDEROADS	10	16	160	---	---	----	----	---	---	---	---	---	---	8	80	---	---	---	---
		SUBTOTALS (STAGE 1 (PHASE 1))	40	87	870	2	20	5	50	10	100	18	180	1	10	26	260	2	20	0	0
	STAGE 1-PHASE 2	54+64 - 61+83	51	61	3,111	---	---	2	102	4	204	6	306	1	51	11	561	1	51	---	---
		61+83 - 70+95	51	102	5,202	---	---	11	561	22	1,122	60	3,060	---	---	16	816	---	---	---	---
		70+95 - 87+64	51	200	10,200	4	204	24	1,224	48	2,448	132	6,732	---	---	27	1,377	---	---	---	---
		87+64 - 92+26	51	32	1,632	---	---	3	153	6	306	12	612	---	---	5	255	---	---	---	---
		92+26 - 96+81	51	19	969	---	---	1	51	2	102	---	---	---	---	2	102	---	---	---	---
		96+81 - 100+81	51	53	2,703	---	---	7	357	14	714	36	1,836	---	---	8	408	---	---	---	---
		100+81 - 107+54	51	111	5,661	---	---	15	765	30	1,530	84	4,284	---	---	17	867	---	---	---	---
		107+54 - 114+00	51	62	3,162	---	---	4	204	8	408	20	1,020	1	51	15	765	1	51	---	---
		STORM SEWER X-ING	51	40	2,040	---	---	6	306	12	612	40	2,040	2	102	8	408	2	102	---	---
		SIDEROADS	51	48	2,448	6	306	---	---	---	---	---	---	---	---	32	1,632	---	---	---	---
		PARKING LOTS	51	100	5,100	6	306	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 1 (PHASE 2))	561	828	42,228	16	816	73	3,723	146	7,446	390	19,890	4	204	141	7,191	4	204	0	0
	STAGE 2	54+64 - 61+83	25	62	1,550	2	50	1	25	2	50	10	250	1	25	10	250	1	25	---	---
		61+83 - 70+95	25	73	1,825	1	25	1	25	2	50	10	250	---	---	6	150	---	---	7	7
		70+95 - 87+64	25	55	1,375	2	50	2	50	4	100	---	---	---	---	7	175	---	---	---	---
		87+64 - 92+26	25	27	675	1	25	1	25	2	50	---	---	---	---	5	125	---	---	---	---
		92+26 - 96+81	25	43	1,075	1	25	1	25	2	50	---	---	---	---	3	75	---	---	---	---
		96+81 - 100+81	25	9	225	2	50	---	---	---	---	---	---	---	---	3	75	---	---	---	---
		100+81 - 107+54	25	15	375	2	50	1	25	2	50	---	---	---	---	4	100	---	---	---	---
		107+54 - 114+00	25	34	850	---	---	2	50	4	100	7	175	1	25	16	400	1	25	---	---
		SIDEROADS	25	26	650	5	125	---	---	---	---	---	---	---	---	29	725	---	---	---	---
		PARKING LOTS	25	33	825	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 2)	250	377	9,425	16	400	9	225	18	450	27	675	2	50	83	2,075	2	50	7	7
	STAGE 3-PHASE 1	54+64 - 61+83	29	71	2,059	2	58	3	87	6	174	32	928	1	29	11	319	1	29	9	9
		61+83 - 70+95	29	83	2,407	2	58	14	406	28	812	60	1,740	---	---	12	348	---	---	55	55
		70+95 - 87+64	29	215	6,235	2	58	11	319	22	638	132	3,828	---	---	25	725	---	---	63	63
		87+64 - 92+26	29	23	667	2	58	4	116	8	232	12	348	---	---	8	232	---	---	8	8
		92+26 - 96+81	29	12	348	2	58	4	116	8	232	---	---	---	---	5	145	---	---	8	8
		96+81 - 100+81	29	11	319	2	58	10	290	20	580	36	1,044	---	---	11	319	---	---	7	7
		100+81 - 107+54	29	89	2,581	2	58	9	261	18	522	84	2,436	---	---	20	580	---	---	23	23
		107+54 - 114+00	29	42	1,218	---	---	5	145	10	290	19	551	1	29	13	377	1	29	16	16
		NICHOLS RD	29	23	667	---	---	3	87	6	174	---	---	---	---	4	116	---	---	---	---
		SIDEROADS	29	9	9	---	---	13	377	20	580	---	---	---	---	35	1,015	---	---	---	---
		SUBTOTALS (STAGE 3 (PHASE 1))	290	578	16,510	14	406	76	2,204	146	4,234	375	10,875	2	58	144	4,176	2	58	189	189
	STAGE 3-PHASE 2	54+64 - 61+83	10	71	710	2	20	3	30	6	60	32	320	1	10	11	110	1	10	---	---
		61+83 - 70+95	10	83	830	2	20	14	140	28	280	60	600	---	---	12	120	---	---	---	---
		70+95 - 87+64	10	215	2,150	2	20	11	110	22	220	132	1,320	---	---	25	250	---	---	---	---
		87+64 - 92+26	10	23	230	2	20	4	40	8	80	12	120	---	---	8	80	---	---	---	---
		92+26 - 96+81	10	12	120	2	20	4	40	8	80	---	---	---	---	5	50	---	---	---	---
		96+81 - 100+81	10	11	110	2	20	10	100	20	200	36	360	---	---	11	110	---	---	---	---
		100+81 - 107+54	10	89	890	2	20	9	90	18	180	84	840	---	---	20	200	---	---	---	---
		107+54 - 114+00	10	42	420	---	---	5	50	10	100	19	190	1	10	13	130	1	10	---	---
		NICHOLS RD	10	23	230	---	---	3	30	6	60	---	---	---	---	4	40	---	---	---	---
		SIDEROADS	10	---	---	---	---	13	130	20	200	---	---	---	---	35	350	---	---	---	---
		SUBTOTALS (STAGE 3 (PHASE 2))	100	569	5,690	14	140	76	760	146	1,460	375	3,750	2	20	144	1,440	2	20	0	0

CONT'D NEXT PAGE

TRAFFIC CONTROL (CONT'D)

CATEGORY	STAGE	STATION - STATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH	643.0800 TRAFFIC CONTROL ARROW BOARDS DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH
0010 (CONT'D)	STAGE 3-PHASE 3	54+64 - 61+83	29	75	2,175	2	58	5	145	10	290	17	493	2	58	14	406	1	29	4	4
		61+83 - 70+95	29	35	1,015	2	58	6	174	12	348	12	348	---	---	7	203	---	---	35	35
		70+95 - 87+64	29	215	6,235	2	58	11	319	22	638	132	3,828	---	---	25	725	---	---	63	63
		87+64 - 92+26	29	23	667	2	58	4	116	8	232	12	348	---	---	8	232	---	---	8	8
		92+26 - 96+81	29	12	348	2	58	4	116	8	232	---	---	---	---	5	145	---	---	8	8
		96+81 - 100+81	29	11	319	2	58	10	290	20	580	36	1,044	---	---	11	319	---	---	7	7
		100+81 - 107+54	29	89	2,581	2	58	9	261	18	522	84	2,436	---	---	20	580	---	---	23	23
		107+54 - 114+00	29	42	1,218	---	---	5	145	10	290	19	551	1	29	13	377	1	29	---	---
		PFLAUM RD	29	19	551	---	---	2	58	4	116	---	---	---	---	1	29	---	---	---	---
		SIDEROADS	29	5	145	---	---	10	290	20	580	---	---	---	---	34	986	---	---	---	---
		SUBTOTALS (STAGE 3 (PHASE 3))	290	526	15,254	14	406	66	1,914	132	3,828	312	9,048	3	87	138	4,002	2	58	148	148
	STAGE 3-PHASE 4	54+64 - 61+83	10	75	750	2	20	5	50	10	100	17	170	2	20	14	140	1	10	---	---
		61+83 - 70+95	10	35	350	2	20	6	60	12	120	12	120	---	---	7	70	---	---	---	---
		70+95 - 87+64	10	215	2,150	2	20	11	110	22	220	132	1,320	---	---	25	250	---	---	---	---
		87+64 - 92+26	10	23	230	2	20	4	40	8	80	12	120	---	---	8	80	---	---	---	---
		92+26 - 96+81	10	12	120	2	20	4	40	8	80	---	---	---	---	5	50	---	---	---	---
		96+81 - 100+81	10	11	110	2	20	10	100	20	200	36	360	---	---	11	110	---	---	---	---
		100+81 - 107+54	10	89	890	2	20	9	90	18	180	84	840	---	---	20	200	---	---	---	---
		107+54 - 114+00	10	42	420	---	---	5	50	10	100	19	190	1	10	13	130	1	10	---	---
		PFLAUM RD	10	14	140	---	---	2	20	4	40	---	---	---	---	1	10	---	---	---	---
		SIDEROADS	10	10	100	---	---	10	100	20	200	---	---	---	---	34	340	---	---	---	---
		SUBTOTALS (STAGE 3 (PHASE 4))	100	526	5,260	14	140	66	660	132	1,320	312	3,120	3	30	138	1,380	2	20	0	0
	STAGE 4-PHASE 1	54+64 - 61+83	65	94	6,110	---	---	9	585	18	1,170	17	1,105	2	130	17	1,105	1	65	5	5
		61+83 - 70+95	65	---	---	2	130	6	390	12	780	---	---	---	---	9	585	---	---	8	8
		70+95 - 87+64	65	8	520	2	130	3	195	6	390	---	---	---	---	8	520	---	---	33	33
		87+64 - 92+26	65	46	2,990	2	130	9	585	18	1,170	36	2,340	---	---	11	715	---	---	8	8
		92+26 - 96+81	65	36	2,340	2	130	6	390	12	780	36	2,340	---	---	10	650	---	---	9	9
		96+81 - 100+81	65	4	260	2	130	3	195	6	390	---	---	---	---	6	390	---	---	7	7
		100+81 - 107+54	65	28	1,820	2	130	7	455	14	910	24	1,560	---	---	8	520	---	---	27	27
		107+54 - 114+00	65	39	2,535	---	---	7	455	14	910	8	520	1	65	13	845	1	65	18	18
		DEAN AVE (PHASE I)	65	14	910	2	130	6	390	12	780	---	---	---	---	10	650	---	---	---	---
		DEAN AVE (PHASE II)	65	8	520	2	130	6	390	12	780	---	---	---	---	10	650	---	---	---	---
		PARKING LOTS	65	100	6,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		SIDEROADS	65	4	260	2	130	11	715	22	1,430	---	---	---	---	29	1,885	---	---	---	---
		SUBTOTALS (STAGE 4 (PHASE 1))	780	381	24,765	18	1,170	73	4,745	146	9,490	121	7,865	3	195	131	8,515	2	130	115	115
	STAGE 5	54+64 - 61+83	163	---	---	---	---	---	---	---	---	---	---	---	---	4	652	---	---	20	20
		61+83 - 70+95	163	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	43	43
		70+95 - 87+64	163	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	82	82
		87+64 - 92+26	163	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	27
		92+26 - 96+81	163	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	23	23
		96+81 - 100+81	163	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22	22
		100+81 - 107+54	163	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	23	23
		107+54 - 114+00	163	---	---	---	---	---	---	---	---	---	---	---	---	4	652	---	---	---	---
		MEDIAN OPENINGS	163	290	47,270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	404	404
		SIDEROADS	163	---	---	---	---	---	---	---	---	---	---	---	---	28	4,564	---	---	---	---
		SUBTOTALS (STAGE 5)	1,630	290	47,270	0	0	0	0	0	0	0	0	0	0	36	5,868	0	0	644	644

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TRAFFIC CONTROL (CONT'D)

CATEGORY	STAGE	STATION - STATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH	643.0800 TRAFFIC CONTROL ARROW BOARDS DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH
0010 (CONT'D)	STAGE 6	54+64 - 61+83	38	20	760	---	---	---	---	---	---	---	---	---	---	4	152	---	---	---	---
		61+83 - 70+95	38	43	1,634	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		70+95 - 87+64	38	82	3,116	---	---	---	---	---	---	7	266	---	---	---	---	---	---	---	---
		87+64 - 92+26	38	27	1,026	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		92+26 - 96+81	38	23	874	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		96+81 - 100+81	38	22	836	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		100+81 - 107+54	38	23	874	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		107+54 - 114+00	38	---	---	---	---	---	---	---	---	---	---	---	---	4	152	---	---	---	---
		MEDIAN OPENINGS	38	512	19,456	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		SIDEROADS	38	---	---	---	---	---	---	---	---	---	---	---	---	28	1,064	---	---	---	---
		SUBTOTALS (STAGE 6)	380	752	28,576	0	0	0	0	0	0	7	266	0	0	36	1,368	0	0	0	0
		TOTALS			195,848		3,498		14,281		28,328		55,669		654		36,275		560	1,103	1,103

REMOVING PAVEMENT MARKINGS

CATEGORY	STAGE	STATION - STATION	LOCATION	646.0600 LF	647.0955 ARROWS EACH	647.0965 WORDS EACH
0010	STAGE 1-PHASE 1	96+81 - 100+81	RT	25	---	---
		SUBTOTALS (STAGE 1 (PHASE 1))		25	0	0
	STAGE 1-PHASE 2	54+64 - 61+83	LT/RT	310	4	1
		61+83 - 70+95	LT/RT	2,550	2	1
		70+95 - 87+64	RT	3,600	---	---
		87+64 - 92+26	RT	1,000	---	---
		92+26 - 96+81	RT	990	---	---
		96+81 - 100+81	RT	810	---	---
		100+81 - 107+54	RT	1,450	---	---
		107+54 - 114+00	LT/RT	1,400	---	---
		SUBTOTALS (STAGE 1 (PHASE 2))		12,110	6	2
	STAGE 2	54+64 - 61+83	LT/RT	580	1	---
		61+83 - 70+95	LT/RT	2,600	6	---
		70+95 - 87+64	LT/RT	930	7	---
		87+64 - 92+26	LT/RT	580	5	---
		92+26 - 96+81	LT/RT	130	4	---
		96+81 - 100+81	LT/RT	510	3	---
		100+81 - 107+54	LT/RT	650	3	---
		107+54 - 114+00	LT/RT	480	3	---
		SUBTOTALS (STAGE 2)		6,460	32	0
	STAGE 3-PHASE 1/2	54+64 - 61+83	LT/RT	945	1	---
		61+83 - 70+95	LT/RT	1,235	---	---
		70+95 - 87+64	LT/RT	1,620	---	---
		87+64 - 92+26	LT/RT	235	---	---
		100+81 - 107+54	LT/RT	40	---	---
		107+54 - 114+00	LT/RT	370	1	---
		NICHOLS RD	LT/RT	780	---	---
		CROSSWALKS	LT/RT	455	---	---
		SUBTOTALS (STAGE 3 (PHASE 1/2))		5,680	2	0

CONT'D ABOVE

REMOVING PAVEMENT MARKINGS (CONT'D)

CATEGORY	STAGE	STATION - STATION	LOCATION	646.0600 LF	647.0955 ARROWS EACH	647.0965 WORDS EACH
0010 (CONT'D)	STAGE 3-PHASE 3/4	PFLAUM RD	LT/RT	215		
		SUBTOTALS (STAGE 3 (PHASE 3/4))		215	0	0
	STAGE 4-PHASE 1/2	61+83 - 70+95	LT/RT	180	---	---
		CROSSWALKS	LT/RT	455	---	---
		SUBTOTALS (STAGE 4 (PHASE 1/2))		635	0	0
	STAGE 6	54+64 - 61+83	LT/RT	1,020	---	---
		61+83 - 70+95	LT/RT	2,230	---	---
		70+95 - 87+64	LT/RT	4,030	---	---
		87+64 - 92+26	LT/RT	1,060	---	---
		92+26 - 96+81	LT/RT	970	---	---
		96+81 - 100+81	LT/RT	855	---	---
		100+81 - 107+54	LT/RT	820	---	---
		SUBTOTALS (STAGE 6)		10,985	0	0
		TOTALS		36,110	40	2

TEMPORARY PAVEMENT MARKING

			649.0100 4-INCH				649.0200 REFLECTIVE PAINT 4-INCH			649.0400 REMOVABLE TAPE 4-INCH						
			(WHITE)	(YELLOW)	(YELLOW DASH)	(DOUBLE YELLOW)	(WHITE)	(YELLOW)	(WHITE DASH)	(WHITE)	(YELLOW)	(3-FT DASH, 6-FT GAP)	(3-FT DASH, 12-FT GAP)	(WHITE LANELINE)	(YELLOW DASH)	(DOUBLE YELLOW)
CATEGORY	STAGE	STATION - STATION	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
0010	STAGE 1-PHASE 1	96+81 - 100+81	---	---	---	---	---	---	---	250	---	---	---	---	---	---
		100+81 - 107+54	---	---	---	---	---	---	---	635	---	---	---	---	---	---
		107+54 - 114+00	---	---	---	---	---	---	---	640	---	---	---	---	---	---
		SUBTOTALS (STAGE 1 (PHASE 1))	0	0	0	0	0	0	0	1,525	0	0	0	0	0	0
	STAGE 1-PHASE 2	54+64 - 61+83	---	220	---	---	---	---	---	---	460	60	66	---	---	---
		61+83 - 70+95	835	1,180	240	260	---	---	---	---	---	27	---	---	---	---
		70+95 - 87+64	1,580	2,860	715	300	---	---	---	---	---	---	---	---	---	---
		87+64 - 92+26	390	480	120	300	---	---	---	---	---	---	---	---	---	---
		92+26 - 96+81	380	750	125	---	---	---	---	---	---	---	---	---	---	---
		96+81 - 100+81	320	350	190	300	---	---	---	---	---	---	---	---	---	---
		100+81 - 107+54	590	880	150	300	---	---	---	---	---	---	---	---	---	---
		107+54 - 114+00	335	370	225	300	---	---	---	405	330	---	18	---	---	460
		SUBTOTALS (STAGE 1 (PHASE 2))	4,430	7,090	1,765	1,760	0	0	0	405	790	87	84	0	0	460
	STAGE 2	54+64 - 61+83	225	---	---	55	---	---	---	455	130	60	66	---	---	---
		61+83 - 70+95	1,240	905	165	300	---	---	---	---	---	27	---	---	---	---
		70+95 - 87+64	1,580	1,430	475	300	---	---	---	---	---	---	---	---	---	---
		87+64 - 92+26	425	240	715	165	---	---	---	---	---	---	---	---	---	---
		92+26 - 96+81	455	360	180	---	---	---	---	---	---	---	---	---	---	---
		96+81 - 100+81	320	170	87	150	---	---	---	---	---	---	---	---	---	---
		100+81 - 107+54	630	445	225	165	---	---	---	---	---	---	---	---	---	---
		107+54 - 114+00	370	180	89	150	---	---	---	320	660	---	36	---	---	170
		SUBTOTALS (STAGE 2)	5,245	3,730	1,936	1,285	0	0	0	775	790	87	102	0	0	170
	STAGE 3-PHASE 1/2	54+64 - 61+83	550	250	---	180	---	---	---	375	925	---	---	---	---	---
		61+83 - 70+95	1,740	570	---	1,100	---	---	---	---	---	---	---	---	---	---
		70+95 - 87+64	3,250	1,700	---	1,380	---	---	---	---	---	---	45	---	---	---
		87+64 - 92+26	810	485	120	300	---	---	---	---	---	---	---	---	---	---
		92+26 - 96+81	840	910	230	---	---	---	---	---	---	---	---	---	---	---
		96+81 - 100+81	690	420	105	300	---	---	---	---	---	---	---	---	---	---
		100+81 - 107+54	1,260	---	---	1,260	---	---	---	---	---	---	100	---	---	---
		107+54 - 114+00	740	---	---	740	---	---	---	635	---	---	19	---	19	1,000
		NICHOLS RD	---	---	---	---	---	---	---	865	---	---	140	---	---	810
		SUBTOTALS (STAGE 3 (PHASE 1/2))	9,880	4,335	455	5,260	0	0	0	1,875	925	0	304	0	19	1,810
	STAGE 3-PHASE 3/4	54+64 - 61+83	235	---	---	---	---	---	---	410	940	---	---	---	---	200
		61+83 - 70+95	1,150	---	---	345	---	---	---	205	420	---	---	---	---	330
		PFLAUM RD	220	---	---	---	---	---	---	530	---	---	110	---	---	1,260
		SIDEROADS	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 3 (PHASE 3/4))	1,605	0	0	345	0	0	0	1,145	1,360	0	110	0	0	1,790
	STAGE 4-PHASE 1/2	61+83 - 70+95	395	---	---	---	---	---	---	---	1,140	---	---	---	285	---
		70+95 - 87+64	1,605	---	---	---	---	---	---	---	2,890	---	---	---	725	300
		87+64 - 92+26	425	---	---	---	---	---	---	---	465	---	---	---	120	310
		92+26 - 96+81	455	---	---	---	---	---	---	---	545	---	---	---	140	---
		96+81 - 100+81	365	---	---	---	---	---	---	---	350	---	---	---	87	300
		100+81 - 107+54	270	---	---	---	---	---	---	405	---	---	---	---	---	1,265
		107+54 - 114+00	---	---	---	---	---	---	---	720	400	67	---	---	27	920
		DEAN AVE	230	---	---	460	---	---	---	230	---	---	---	---	---	---
		SUBTOTALS (STAGE 4 (PHASE 1/2))	3,745	0	0	460	0	0	0	1,355	5,790	67	0	0	1,384	3,095

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TEMPORARY PAVEMENT MARKING (CONT'D)

CATEGORY	STAGE	STATION - STATION	649.0100 4-INCH (WHITE) LF	649.0100 4-INCH (YELLOW) LF	649.0100 4-INCH (YELLOW DASH) LF	649.0100 4-INCH (DOUBLE YELLOW) LF	649.0200 REFLECTIVE PAINT 4-INCH (WHITE) LF	649.0200 REFLECTIVE PAINT 4-INCH (YELLOW) LF	649.0200 REFLECTIVE PAINT 4-INCH (WHITE DASH) LF	649.0400 REMOVABLE TAPE 4-INCH (WHITE) LF	649.0400 REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0400 REMOVABLE TAPE 4-INCH (3-FT DASH, 6-FT GAP) LF	649.0400 REMOVABLE TAPE 4-INCH (3-FT DASH, 12-FT GAP) LF	649.0400 REMOVABLE TAPE 4-INCH (WHITE LANELINE) LF	649.0400 REMOVABLE TAPE 4-INCH (YELLOW DASH) LF	649.0400 REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) LF
0010 (CONT'D)	STAGE 5	54+64 - 61+83	---	---	---	---	---	805	120	---	---	---	---	---	---	---
		61+83 - 70+95	---	---	---	---	---	1,720	410	---	---	---	---	---	---	---
		70+95 - 87+64	---	---	---	---	---	2,900	735	---	320	---	---	---	---	---
		87+64 - 92+26	---	---	---	---	---	380	105	---	385	---	---	---	---	---
		92+26 - 96+81	---	---	---	---	---	445	140	---	300	---	---	---	---	---
		96+81 - 100+81	---	---	---	---	---	680	175	---	---	---	---	---	---	---
		100+81 - 107+54	---	---	---	---	---	680	140	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 5)	0	0	0	0	0	7,610	1,825	0	1,005	0	0	0	0	0
	STAGE 6	70+95 - 87+64	---	---	---	---	---	240	60	---	---	---	---	---	---	---
		87+64 - 92+26	---	---	---	---	---	380	101	---	---	---	---	---	---	---
		92+26 - 96+81	---	---	---	---	---	300	88	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 6)	0	0	0	0	0	920	249	0	0	0	0	0	0	0
		TOTALS			53,326			10,604					27,309			

TEMPORARY PAVEMENT MARKING (CONT'D)

CATEGORY	STAGE	STATION - STATION	649.0701 8-INCH LF	649.0801 REMOVABLE TAPE 8-INCH LF	649.1100 STOP LINE 18-INCH LF	649.1200 STOP LINE REMOVABLE TAPE 18-INCH LF	649.1700 ARROWS EACH	649.1800 ARROWS REMOVABLE TAPE EACH	649.1900 WORDS EACH	649.2000 WORDS REMOVABLE TAPE EACH
0010	STAGE 1-PHASE 2	54+64 - 61+83	140	---	---	---	1	---	---	---
		61+83 - 70+95	520	---	20	20	6	---	---	---
		70+95 - 87+64	75	---	22	22	7	---	---	---
		87+64 - 92+26	75	---	22	22	5	---	---	---
		92+26 - 96+81		---	---	---	4	---	---	---
		96+81 - 100+81	75	---	22	22	3	---	---	---
		100+81 - 107+54	75	---	22	22	3	---	---	---
		107+54 - 114+00	75	190	---	---	---	2	---	---
		CROSSWALKS	910	---	---	---	---	---	---	
		SIDEROADS	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 1 (PHASE 2))	1,945	190	108	108	29	2	0	0
	STAGE 2	54+64 - 61+83	140	---	11	11	1	---	---	---
		61+83 - 70+95	250	---	---	---	4	---	---	---
		70+95 - 87+64	75	---	11	11	7	---	---	---
		87+64 - 92+26	75	---	11	---	3	---	---	---
		92+26 - 96+81	---	---	---	---	2	---	---	---
		96+81 - 100+81	75	---	11	---	3	---	---	---
		100+81 - 107+54	75	---	11	---	3	---	---	---
		107+54 - 114+00	75	80	---	---	3	2	---	---
		CROSSWALKS	360	---	---	---	---	---	---	---
		SIDEROADS	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 2)	1,125	80	55	22	26	2	0	0

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TEMPORARY PAVEMENT MARKING (CONT'D)

CATEGORY	STAGE	STATION - STATION	649.0701 8-INCH LF	649.0801 REMOVABLE TAPE 8-INCH LF	649.1100 STOP LINE 18-INCH LF	649.1200 STOP LINE REMOVABLE TAPE 18-INCH LF	649.1700 ARROWS EACH	649.1800 ARROWS REMOVABLE TAPE EACH	649.1900 WORDS EACH	649.2000 WORDS REMOVABLE TAPE EACH
0010 (CONT'D)	STAGE 3-PHASE 1/2	54+64 - 61+83	85	---	22	---	1	---	---	---
		61+83 - 70+95	150	---	62	---	2	---	---	---
		70+95 - 87+64	150	---	22	---	3	---	---	---
		87+64 - 92+26	75	---	21	---	3	---	---	---
		92+26 - 96+81	---	---	---	---	2	---	---	---
		96+81 - 100+81	75	---	21	---	3	---	---	---
		100+81 - 107+54	100	---	22	---	1	---	---	---
		107+54 - 114+00	---	---	---	---	---	---	---	---
		NICHOLS RD	---	---	---	20	---	---	---	---
		CROSSWALKS	910	---		---		---	---	---
		SIDEROADS	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 3 (PHASE 1/2))	1,545	0	170	20	15	0	0	0
	STAGE 3-PHASE 3/4	54+64 - 61+83	---	95	---	21	---	1	---	---
		61+83 - 70+95	---	170	---	21	---	17	---	---
		PFLAUM RD	---	---	---	20	---	---	---	---
		SUBTOTALS (STAGE 3 (PHASE 3/4))	0	265	0	62	0	18	0	0
	STAGE 4-PHASE 1/2	54+64 - 61+83	---	---	---	22	---	---	---	---
		61+83 - 70+95	---	115	---	---	---	2	---	---
		70+95 - 87+64	---	75	---	42	---	9	---	---
		87+64 - 92+26	---	75	---	---	---	3	---	---
		92+26 - 96+81	---	---	---	---	---	2	---	---
		96+81 - 100+81	---	75	---	21	---	3	---	---
		100+81 - 107+54	---	115	---	---	---	1	---	---
		107+54 - 114+00	---	---	---	---	---	---	---	---
		CROSSWALKS	910	---	---	---	---	---	---	---
		DEAN AVE	---	---	---	---	---	---	---	---
		SUBTOTALS (STAGE 4 (PHASE 1/2))	910	455	0	85	0	20	0	0
	STAGE 5	54+64 - 61+83	---	---	22	22	---	---	---	---
		61+83 - 70+95	---	---	22	---	---	---	---	---
		70+95 - 87+64	---	50	22	---	---	---	---	---
		87+64 - 92+26	---	---	22	---	---	---	---	---
		SUBTOTALS (STAGE 5)	0	50	88	22	0	0	0	0
		TOTALS	5,525	1,040	421	319	70	42	0	0

GEOTEXTILE FABRIC TYPE SR

CATEGORY	STAGE	STATION - STATION	LOCATION	645.0135 SY
0010	STAGE 3	57+70 - 61+83	LT	1,200
		57+70 - 61+83	RT	1,300
		61+83 - 70+95	LT	3,550
		61+83 - 70+95	RT	380
		70+95 - 87+64	LT	6,350
		87+64 - 92+26	LT	1,850
		92+26 - 96+81	LT	1,800
		96+81 - 100+81	LT	1,600
		100+81 - 107+54	LT	2,600
		107+54 - 111+24	LT	1,350
		SUBTOTALS (STAGE 3)		21,980
	STAGE 4	61+83 - 70+95	RT	3,150
		70+95 - 87+64	RT	6,250
		87+64 - 92+26	RT	1,450
		92+26 - 96+81	RT	1,500
		96+81 - 100+81	RT	1,550
		100+81 - 107+54	RT	2,350
		107+54 - 111+24	RT	1,100
		SUBTOTALS (STAGE 4)		17,350
	STAGE 5	87+64 - 92+26	MEDIAN	120
		92+26 - 96+81	MEDIAN	100
		SUBTOTALS (STAGE 5)		220
	STAGE 6	57+70 - 61+83	MEDIAN	110
		61+83 - 70+95	MEDIAN	360
		70+95 - 87+64	MEDIAN	520
		87+64 - 92+26	MEDIAN	70
		92+26 - 96+81	MEDIAN	110
		96+81 - 100+81	MEDIAN	80
		100+81 - 107+54	MEDIAN	120
		SUBTOTALS (STAGE 6)		1,370
		TOTALS		40,920

CONSTRUCTION STAKING

CATEGORY	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.7000 CONCRETE PAVEMENT LF	650.9920 SLOPE STAKES LF	SPV.0180.04 PARKING LOTS SUBGRADE AND BASE SY
0010	58+90 - 61+83	MAINLINE	295	---	295	295	---
	61+83 - 70+95	MAINLINE	910	---	910	910	---
	70+95 - 87+64	MAINLINE	1,670	---	1,670	1,670	---
	87+64 - 92+26	MAINLINE	460	---	460	460	---
	92+26 - 96+81	MAINLINE	455	---	455	455	---
	96+81 - 100+81	MAINLINE	400	---	400	400	---
	100+81 - 107+54	MAINLINE	675	415	255	675	---
	107+54 - 111+24	MAINLINE	370	370	---	370	---
	8+50 N - 10+00 N	SIDEROAD	---	39	---	150	---
	10+00 N -12+51 N	SIDEROAD	---	145	---	250	---
	9+00 ST - 10+00 ST	SIDEROAD	---	45	---	100	---
	7+00 D - 10+00 D	SIDEROAD	---	240	---	300	---
	10+00 D - 12+66 D	SIDEROAD	---	210	---	265	---
	9+25 S - 10+00 S	SIDEROAD	---	25	---	75	---
	9+25 L - 10+00 L	SIDEROAD	---	24	---	75	---
	8+71 CW - 10+00 CW	SIDEROAD	---	78	---	130	---
	10+00 CE - 11+55 CE	SIDEROAD	---	91	---	155	---
	8+62 P - 10+00 P	SIDEROAD	---	84	---	140	---
	SUBTOTAL (0010)		5,235	1,766	4,445	6,875	0
0020	61+83 - 70+95	LT LOTS	---	---	---	---	1,020
	70+95 - 87+64	RT LOTS	---	---	---	---	2,690
	70+95 - 87+64	RT LOTS	---	---	---	---	64
	87+64 - 92+26	LT LOTS	---	---	---	---	375
	87+64 - 92+26	RT LOTS	---	---	---	---	600
	92+26 - 96+81	LT LOTS	---	---	---	---	1,270
	92+26 - 96+81	RT LOTS	---	---	---	---	705
	96+81 - 100+81	LT LOTS	---	---	---	---	245
	100+81 - 107+54	LT LOTS	---	---	---	---	155
	100+81 - 107+54	RT LOTS	---	---	---	---	235
	107+54 - 111+24	LT LOTS	---	---	---	---	37
	107+54 - 111+24	RT LOTS	---	---	---	---	100
	SUBTOTAL (0020)		0	0	0	0	7,496
0040	70+95 - 87+64	LT	---	---	---	---	970
	92+26 - 96+81	RT	---	---	---	---	1,200
	SUBTOTAL (0040)		0	0	0	0	2,170
	TOTALS		5,235	1,766	4,445	6,875	9,666

FIELD OFFICE TYPE C

CATEGORY	PROJECT	642.5201 EACH
0010	5994-00-72	1

SALVAGE AND REPLACE DECORATIVE LIGHT POLE AND LUMINAIRE

CATEGORY	STATION	LOCATION	SPV.0060.13 EACH
0020	58+95	35.2 'LT	1
	59+62	38.0 'RT	1
	60+24	32.3 'LT	1
	60+91	40.2 'RT	1
		TOTAL	4

PAVEMENT MARKING

CATEGORY	STATION - STATION	LOCATION	646.0103 PAINT 4-INCH (WHITE) LF	646.0106 EPOXY 4-INCH (WHITE SKIP 12.5' SEG. 37.5' GAP) LF	646.0106 EPOXY 4-INCH (WHITE SKIP 3' SEG. 9' GAP) LF	646.0106 EPOXY 4-INCH (YELLOW) LF	646.0106 EPOXY 4-INCH (DOUBLE YELLOW) LF	646.0116 EPOXY 6-INCH (WHITE) LF	646.0116 EPOXY 6-INCH (WHITE SKIP 3' SEG. 3' GAP) LF	646.0126 EPOXY 8-INCH (WHITE SKIP 3' SEG. 3' GAP) LF	646.0126 EPOXY 8-INCH (WHITE) LF	647.0156 ARROWS EPOXY TYPE 1 (WHITE) EACH	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0176 ARROWS EPOXY TYPE 3 EACH	647.0206 ARROWS BIKE LANE EPOXY EACH	647.0256 SYMBOLS EPOXY (WHITE) EACH	647.0256 SYMBOLS EPOXY (YELLOW) EACH
0010	54+64 - 61+83	MAINLINE TO NICHOLS	---	315	---	305	955	1,320	---	---	225	---	5	---	2	---	---
	61+83 - 70+95	NICHOLS TO ST. TERESA	---	430	---	575	340	1,690	---	---	345	---	6	---	3	---	---
	70+95 - 87+64	ST. TERESA TO DEAN	---	790	---	725	365	3,210	---	---	385	---	7	---	4	---	---
	87+64 - 92+26	DEAN TO SPRINGHAVEN	---	210	---	145	545	800	---	---	50	---	1	---	3	---	---
	92+26 - 96+81	SPRINGHAVEN TO LOFTY	---	225	---	270	405	815	---	---	60	---	2	---	3	---	---
	96+81 - 100+81	LOFTY TO COLDSPRING	---	180	---	145	---	655	---	---	50	---	1	---	4	---	---
	100+81 - 107+54	COLDSPRING TO PARKWAY	---	315	---	295	1,230	1,210	---	---	125	---	2	---	3	---	---
	107+54 - 114+00	PARKWAY TO WINNEQUAH	---	425	---	---	1,750	1,600	55	55	84	---	1	---	4	---	---
	8+50 N - 10+00 N	NICHOLS	---	---	25	---	600	---	---	---	200	---	3	1	---	---	---
	10+00 N -12+51 N	PFLAUM	---	---	47	---	635	620	---	---	180	---	2	1	1	---	---
	9+00 ST - 10+00 ST	ST. TERESA TERRACE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7+00 D - 10+00 D	DEAN (WEST)	---	---	42	---	455	---	---	---	75	---	2	1	---	---	---
	10+00 D - 12+66 D	DEAN (EAST)	---	---	19	---	435	---	---	---	75	---	2	1	---	---	---
	9+25 S - 10+00 S	SPRINGHAVEN	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	9+25 L - 10+00 L	LOFTY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8+71 CW - 10+00 CW	COLDSRPING (WEST)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10+00 CE - 11+55 CE	COLDSPRING (EAST)	---	---	35	---	360	---	---	---	75	---	1	---	---	---	---
	8+62 P - 10+00 P	PARKWAY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		SUBTOTAL (0010)	0	2,890	168	2,460	8,075	11,920	55	55	1,929	0	35	4	27	0	0
0020	61+83 - 70+95	NICHOLS TO ST. TERESA	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
	70+95 - 87+64	ST. TERESA TO DEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
	87+64 - 92+26	DEAN TO SPRINGHAVEN	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	92+26 - 96+81	SPRINGHAVEN TO LOFTY	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---
		SUBTOTAL (0020)	12	0	0	0	0	0	0	0	0	2	0	0	0	1	6
0040	70+95 - 87+64	ST. TERESA TO DEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---
	92+26 - 96+81	SPRINGHAVEN TO LOFTY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		SUBTOTAL (0040)	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
		TOTALS	12	2,890	168	2,460	8,075	11,920	55	55	1,929	2	35	4	27	3	6
		ITEM TOTALS		13,593				11,975		1,984						9	

LIGHTING CONTROL CABINET SUMMARY

CATEGORY	CABINET NO.	STATION	LOCATION	SPV.0060.33 CONCRETE BASE TYPE M EACH	655.0635 ELECTRIC WIRE LIGHTING 2 AWG LF	656.0100 ELECTRICAL SERVICE METER SOCKET LS	SPV.0060.06 LIGHTING CONTROL CABINET BLACK EACH
0020	LC-5	9+47 ST	25' RT	1	30	1	1
	LC-6	10+69 D	33' RT	1	30	1	1
	LC-7	10+81 CE	35' LT	1	30	1	1
			TOTALS	3	90	3	3

INLET COVERS TYPE DW

CATEGORY	STATION	LOCATION	*SPV.0060.01 EACH
0010	57+88	32.9 'RT	1
	57+96	32.9 'RT	1
	61+30	37.7 'RT	1
	64+31	32.8 'RT	1
	66+59	23.4 'RT	1
	66+70	23.4 'RT	1
	70+60	22.9 'RT	1
	75+16	24.0 'RT	1
	76+95	24.0 'RT	1
	79+34	22.8 'RT	1
	87+38	39.8 'RT	1
	87+76	40.6 'RT	1
	87+95	23.6 'RT	1
	92+74	23.2 'RT	1
	106+94	23.1 'RT	1
	107+16	23.1 'RT	1
		TOTAL	16

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PAVEMENT MARKING

CATEGORY	STATION - STATION	LOCATION	647.0356 WORDS EPOXY EACH	647.0406 WORDS BIKE LANE EPOXY EACH	647.0456 CURB EPOXY LF	647.0566 STOP LINE EPOXY 18-INCH LF	647.0576 STOP LINE EPOXY 24-INCH WHITE LF	647.0606 ISLAND NOSE EPOXY EACH	647.0653 PARKING STALL PAINT (WHITE) LF	647.0653 PARKING STALL PAINT (YELLOW) LF	647.0713 DIAGONAL PAINT 8-INCH (WHITE) LF	647.0713 DIAGONAL PAINT 8-INCH (YELLOW) LF	647.0746 DIAGONAL EPOXY 24-INCH LF	647.0766 CROSSWALK EPOXY 6-INCH (WHITE) LF	647.0766 CROSSWALK EPOXY 6-INCH (YELLOW) LF	647.0776 CROSSWALK EPOXY 12-INCH LF
0010	54+64 - 61+83	MAINLINE TO NICHOLS	1	4	10	37	---	1	---	---	---	---	75	270	---	---
	61+83 - 70+95	NICHOLS TO ST. TERESA	2	6	69	38	---	3	---	---	---	---	---	305	---	---
	70+95 - 87+64	ST. TERESA TO DEAN	1	8	165	36	---	7	---	---	---	---	---	380	---	---
	87+64 - 92+26	DEAN TO SPRINGHAVEN	---	6	10	36	---	1	---	---	---	---	---	270	---	---
	92+26 - 96+81	SPRINGHAVEN TO LOFTY	---	6	36	---	---	2	---	---	---	---	7	200	---	---
	96+81 - 100+81	LOFTY TO COLDSPRING	---	8	29	36	---	1	---	---	---	---	---	355	---	---
	100+81 - 107+54	COLDSPRING TO PARKWAY	1	6	25	36	---	1	---	---	---	---	57	280	---	---
	107+54 - 114+00	PARKWAY TO WINNEQUAH	1	10	---	---	73	---	---	---	---	---	---	35	---	135
	8+50 N - 10+00 N	NICHOLS	2	---	---	28	---	---	---	---	---	---	---	---	---	---
	10+00 N -12+51 N	PFLAUM	2	5	---	30	---	---	---	---	---	---	---	---	---	---
	9+00 ST - 10+00 ST	ST. TERESA TERRACE	---	---	---	15	---	---	---	---	---	---	---	---	---	---
	7+00 D - 10+00 D	DEAN (WEST)	---	---	---	24	---	---	---	---	---	---	---	---	---	---
	10+00 D - 12+66 D	DEAN (EAST)	---	---	---	22	---	---	---	---	---	---	---	---	---	---
	9+25 S - 10+00 S	SPRINGHAVEN	---	---	---	12	---	---	---	---	---	---	---	---	---	---
	9+25 L - 10+00 L	LOFTY	---	---	---	16	---	---	---	---	---	---	---	---	---	---
	8+71 CW - 10+00 CW	COLDSRPING (WEST)	---	---	---	16	---	---	---	---	---	---	---	---	---	---
	10+00 CE - 11+55 CE	COLDSPRING (EAST)	1	---	---	21	---	---	---	---	---	---	---	---	---	---
	8+62 P - 10+00 P	PARKWAY	---	---	---	17	---	---	---	---	---	---	---	---	---	---
		SUBTOTAL (0010)	11	59	344	420	73	16	0	0	0	0	139	2,095	0	135
0020	61+83 - 70+95	NICHOLS TO ST. TERESA	---	---	---	---	---	---	97	155	41	29	---	---	---	---
	70+95 - 87+64	ST. TERESA TO DEAN	---	---	---	---	---	---	260	1,350	27	465	---	---	---	---
	87+64 - 92+26	DEAN TO SPRINGHAVEN	---	---	---	---	---	---	345	130	95	---	---	---	---	---
	92+26 - 96+81	SPRINGHAVEN TO LOFTY	---	---	---	14	---	---	1,270	225	140	44	---	---	53	---
	96+81 - 100+81	LOFTY TO COLDSPRING	---	---	---	---	---	---	---	90	---	---	---	---	---	---
	107+54 - 114+00	PARKWAY TO WINNEQUAH	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	7+00 D - 10+00 D	DEAN (WEST)	---	---	---	---	---	---	---	115	---	---	---	---	---	---
	9+25 S - 10+00 S	SPRINGHAVEN	---	---	---	---	---	---	---	170	---	56	---	---	---	---
		SUBTOTAL (0020)	0	0	0	14	0	0	1,972	2,235	303	594	0	0	53	0
0040	70+95 - 87+64	ST. TERESA TO DEAN	---	---	---	---	---	---	350	---	48	---	---	---	---	---
	92+26 - 96+81	SPRINGHAVEN TO LOFTY	---	---	---	---	---	---	---	500	---	54	---	---	53	---
		SUBTOTAL (0040)	0	0	0	0	0	0	350	500	48	54	0	0	53	0
		TOTALS	11	59	344	434	73	16	2,322	2,735	351	648	139	2,095	106	135
		ITEM TOTALS							5,057		999			2,201		

ROOT PRUNING EXISTING TREES

CATEGORY	LOCATION	SPV.0060.11 EACH
0020	UNDISTRIBUTED	60

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.73 *EACH
0010	UNDISTRIBUTED	50

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PRIVATE STORM SEWER LATERAL RECONNECT

CATEGORY	STATION	LOCATION	SPV.0060.07 EACH
0040	90+00	29.4 'RT	1

INSTALL PROPOSED CONDUIT INTO EXISTING ITEM

CATEGORY	STATION	OFFSET	652.0700.S EACH
0020	60+95.1	30.7' LT	1
	111+22.4	29.5' RT	1
	12+33.0 N	24.4' LT	1
		TOTAL	3

SALVAGE AND REPLACE DIGITAL SPEED LIMIT SIGN AND RADAR UNIT

CATEGORY	STATION	LOCATION	SPV.0060.12 EACH
0020	96+06	26.2 'RT	1
	97+56	25.7 'LT	1
		TOTAL	2

TRAFFIC SIGNAL CONDUIT SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	*652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF
0010	PB-1	PB-2	115	---	---	---
	PB-2	PB-3	77	---	---	---
	PB-3	PB-4	67	---	---	---
	PB-4	SB-8	16	---	---	---
	PB-4	SB-7	39	---	---	---
	PB-4	CB-1	---	---	---	130
	PB-4	PB-7	---	---	---	210
	CB-1	PB-5	22	---	---	---
	PB-5	PB-6	120	---	---	---
	CB-1	SB-1	19	---	---	---
	CB-1	SB-2	37	---	---	---
	CB-1	PB-10	---	---	---	215
	CB-1	PB-100	---	---	---	29
	PB-100	PB-10	---	---	---	80
	PB-100	EXPB-2	---	210	---	---
	PB-7	SB-6	11	---	---	---
	PB-7	SB-5	44	---	---	---
	PB-7	PB-8	79	---	---	---
	PB-8	PB-9	115	---	---	---
	PB-7	PB-10	---	---	---	390
	PB-10	EXPB-1	---	---	---	155
	PB-10	SB-3	14	---	---	---
	PB-10	SB-4	33	---	---	---
	PB-10	PB-11	35	---	62	---
	PB-11	PB-12	---	110	---	20
	PB-19	SB-16	7	---	---	---
	PB-19	SB-15	32	---	---	---
	PB-19	PB-20	76	---	115	---
	PB-19	PB-27	---	---	---	225
	PB-19	CB-2	---	56	---	140
	PB-19	PB-107	---	---	---	72
	PB-107	CB-2	---	29	---	---
	CB-2	SB-17	26	---	---	---
	CB-2	PB-23	57	---	---	---
	PB-23	PB-22	72	---	---	---
	PB-22	PB-21	125	---	---	---
	CB-2	PB-24	---	---	---	110
	PB-24	PB-25	79	---	46	---
	PB-24	SB-11	23	---	---	---
	PB-24	SB-12	46	---	---	---
	PB-24	PB-27	---	100	---	140
	PB-27	SB-13	9	---	---	---
	PB-27	SB-14	27	---	---	---
	PB-27	PB-26	55	---	---	---
	PB-27	PB-28	27	---	---	---
	PB-28	PB-29	74	---	---	---
	PB-29	PB-30	110	---	31	---
	PB-100	PB-101	---	700	---	---
	PB-101	PB-102	---	700	---	---
	PB-102	PB-103	---	690	---	---
	PB-103	PB-104	---	710	---	---
	PB-104	PB-105	---	700	---	---
	PB-105	PB-106	---	700	---	---
	PB-106	PB-107	---	800	---	---
	PB-107	PB-108	---	325	---	375

CONT'D ABOVE

TRAFFIC SIGNAL CONDUIT SUMMARY (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF
0010 (CONT.)	PB-108	PB-109	---	490	---	210
	PB-109	PB-36	---	700	---	72
	PB-36	PB-110	---	510	---	125
	PB-110	PB-111	---	545	---	155
	PB-111	PB-112	---	575	---	125
	PB-112	EXPB-3	---	520	---	96
	SUBTOTAL (0010)		1,688	9,170	254	3,074
0050	PB-33	SB-25	9	---	---	---
	PB-33	SB-24	30	---	---	---
	PB-33	PB-34	52	---	---	---
	PB-33	PB-42	---	---	---	210
	PB-34	PB-35	86	---	52	---
	PB-33	PB-39	---	66	---	140
	PB-39	SB-27	8	---	---	---
	PB-39	SB-26	57	---	---	---
	PB-39	PB-38	64	---	---	---
	PB-38	PB-37	74	---	---	---
	PB-37	PB-36	130	---	---	---
	PB-39	CB-3	---	27	---	90
	CB-3	PB-40	23	---	---	---
	PB-40	PB-41	115	---	---	---
	CB-3	SB-20	16	---	---	---
	CB-3	SB-21	33	---	---	---
	CB-3	PB-42	---	87	---	215
	PB-42	PB-43	23	---	18	---
	PB-43	PB-44	60	---	16	---
	PB-44	PB-45	72	---	49	---
	SUBTOTAL (0050)		852	180	135	655
	TOTALS		2,540	9,350	389	3,729

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CABLE SUMMARY

CATEGORY	INTERSECTION	LOCATION FROM	LOCATION TO	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
0010	NICHOLS	CB-1	SB-1	---	---	---	25	---	---
		SB-1	HEAD 6	19	---	---	---	---	---
		SB-1	HEAD 16	19	---	---	---	---	---
		SB-1	81	12	---	---	---	---	---
		SB-1	BUTTON	6	---	---	---	---	---

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TRAFFIC SIGNAL CABLE SUMMARY (CONT.)

				655.0230	655.0240	655.0250	655.0260	655.0270	655.0280
				CABLE TRAFFIC SIGNAL					
		LOCATION		5-14 AWG	7-14 AWG	9-14 AWG	12-14 AWG	15-14 AWG	19-14 AWG
CATEGORY	INTERSECTION	FROM	TO	LF	LF	LF	LF	LF	LF
0010	NICHOLS	CB-1	SB-2	---	---	43	---	---	---
(CONT'D)		SB-2	HEAD 2	39	---	---	---	---	---
		HEAD 2	HEAD 3	15	---	---	---	---	---
		HEAD 3	HEAD 4	15	---	---	---	---	---
		SB-2	82	12	---	---	---	---	---
		SB-2	BUTTON	6	---	---	---	---	---
		CB-1	SB-3	---	---	---	---	135	---
		SB-3	HEAD 5	22	---	---	---	---	---
		SB-3	HEAD 9	22	---	---	---	---	---
		SB-3	83	12	---	---	---	---	---
		SB-3	84	12	---	---	---	---	---
		SB-3	BUTTON	6	---	---	---	---	---
		CB-1	SB-4	---	---	155	---	---	---
		SB-4	HEAD 7	---	46	---	---	---	---
		SB-4	BUTTON	6	---	---	---	---	---
		CB-1	SB-5	---	---	---	235	---	---
		SB-5	HEAD 8	23	23	---	---	---	---
		SB-5	HEAD 14	22	---	---	---	---	---
		SB-5	85	12	---	---	---	---	---
		SB-5	BUTTON	6	---	---	---	---	---
		CB-1	SB-6	---	---	200	---	---	---
		SB-6	HEAD 10	39	---	---	---	---	---
		HEAD 10	HEAD 11	15	---	---	---	---	---
		HEAD 11	HEAD 12	15	---	---	---	---	---
		SB-6	86	12	---	---	---	---	---
		SB-6	BUTTON	6	---	---	---	---	---
		CB-1	SB-7	---	---	---	---	115	---
		SB-7	HEAD 1	22	---	---	---	---	---
		SB-7	HEAD 13	22	---	---	---	---	---
		SB-7	80	12	---	---	---	---	---
		SB-7	80	12	---	---	---	---	---
		SB-7	BUTTON	6	---	---	---	---	---
		CB-1	SB-8	---	93	---	---	---	---
		SB-8	HEAD 15	44	---	---	---	---	---
		SB-8	BUTTON	6	---	---	---	---	---
		SUBTOTAL (NICHOLS (0010))		497	162	398	260	250	---
	DEAN	CB-2	SB-11	---	---	87	---	---	---
		SB-11	HEAD 6	19	---	---	---	---	---
		SB-11	HEAD 16	19	---	---	---	---	---
		CB-2	SB-12	---	---	110	---	---	---
		SB-12	HEAD 2	39	---	---	---	---	---
		HEAD 2	HEAD 3	15	---	---	---	---	---
		HEAD 3	HEAD 4	15	---	---	---	---	---
		SB-12	72	12	---	---	---	---	---
		SB-12	73	12	---	---	---	---	---
		SB-12	BUTTON	6	---	---	---	---	---
		CB-2	SB-13	---	---	---	---	200	---
		SB-13	HEAD 5	19	---	---	---	---	---
		SB-13	HEAD 9	19	---	---	---	---	---
		SB-13	74	12	---	---	---	---	---
		SB-13	75	12	---	---	---	---	---

CONT'D ABOVE

TRAFFIC SIGNAL CABLE SUMMARY (CONT.)

				655.0230	655.0240	655.0250	655.0260	655.0270	655.0280
				CABLE TRAFFIC SIGNAL					
		LOCATION		5-14 AWG	7-14 AWG	9-14 AWG	12-14 AWG	15-14 AWG	19-14 AWG
CATEGORY	INTERSECTION	FROM	TO	LF	LF	LF	LF	LF	LF
0010	DEAN	SB-13	BUTTON	6	---	---	---	---	---
(CONT'D)		CB-2	SB-14	---	220	---	---	---	---
		SB-14	HEAD 7	19	---	---	---	---	---
		CB-2	SB-15	---	---	145	---	---	---
		SB-15	HEAD 8	19	---	---	---	---	---
		SB-15	HEAD 14	19	---	---	---	---	---
		CB-2	SB-16	115	---	---	---	---	---
		SB-16	HEAD 10	39	---	---	---	---	---
		HEAD 10	HEAD 11	15	---	---	---	---	---
		HEAD 11	HEAD 12	15	---	---	---	---	---
		SB-16	76	12	---	---	---	---	---
		SB-16	77	12	---	---	---	---	---
		SB-16	BUTTON	6	---	---	---	---	---
		CB-2	SB-17	---	---	---	---	---	32
		SB-17	HEAD 1	19	---	---	---	---	---
		SB-17	HEAD 13	19	---	---	---	---	---
		SB-17	HEAD 15	46	---	---	---	---	---
		SB-17	70	12	---	---	---	---	---
		SB-17	71	12	---	---	---	---	---
		SB-17	BUTTON	6	---	---	---	---	---
		SUBTOTAL (DEAN (0010))		590	220	342	---	200	32
		SUBTOTAL (0010)		1,087	382	740	260	450	32
0050	COLDSPRING	CB-3	SB-20	---	---	23	---	---	---
		SB-20	HEAD 6	19	---	---	---	---	---
		SB-20	HEAD 16	19	---	---	---	---	---
		SB-20	BUTTON	6	---	---	---	---	---
		CB-3	SB-21	---	---	26	---	---	---
		SB-21	HEAD 2	39	---	---	---	---	---
		HEAD 2	HEAD 3	15	---	---	---	---	---
		HEAD 3	HEAD 4	15	---	---	---	---	---
		SB-21	62	12	---	---	---	---	---
		SB-21	63	12	---	---	---	---	---
		SB-21	BUTTON	6	---	---	---	---	---
		CB-3	SB-22	120	---	---	---	120	---
		SB-22	HEAD 5	19	---	---	---	---	---
		SB-22	HEAD 9	19	---	---	---	---	---
		SB-22	64	12	---	---	---	---	---
		SB-22	65	12	---	---	---	---	---
		SB-22	BUTTON	6	---	---	---	---	---
		CB-3	SB-23	---	140	---	---	---	---
		SB-23	HEAD 7	19	---	---	---	---	---
		SB-23	BUTTON	6	---	---	---	---	---
		CB-3	SB-24	---	---	210	---	---	---
		SB-24	HEAD 8	19	---	---	---	---	---
		SB-24	HEAD 14	19	---	---	---	---	---
		SB-24	BUTTON	6	---	---	---	---	---
		CB-3	SB-25	---	---	---	190	---	---

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TRAFFIC SIGNAL CABLE SUMMARY (CONT.)

CATEGORY	INTERSECTION	LOCATION FROM	LOCATION TO	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
0050 (CONT'D)	COLDSPRING	SB-25	HEAD 10	39	---	---	---	---	---
		HEAD 10	HEAD 11	15	---	---	---	---	---
		HEAD 11	HEAD 12	15	---	---	---	---	---
		SB-25	66	12	---	---	---	---	---
		SB-25	67	12	---	---	---	---	---
		SB-25	BUTTON	6	---	---	---	---	---
		CB-3	SB-26	---	---	---	---	99	---
		SB-26	HEAD 1	22	---	---	---	---	---
		SB-26	HEAD 13	22	---	---	---	---	---
		SB-26	60	12	---	---	---	---	---
		SB-26	61	12	---	---	---	---	---
		SB-26	BUTTON	6	---	---	---	---	---
		CB-3	SB-27	---	66	---	---	---	---
		SB-27	HEAD 15	19	---	---	---	---	---
		SB-27	BUTTON	6	---	---	---	---	---
		SUBTOTAL (COLDSPRING (0050))		598	206	259	190	219	---
		SUBTOTAL (0050)		598	206	259	190	219	---
			TOTALS	1,685	588	999	450	669	32

TRAFFIC SIGNAL BASES

CATEGORY	BASE NO.	STATION	LOCATION	654.0113 CONCRETE BASES TYPE 13 EACH	657.0100 PEDESTAL BASES *EACH	SPV.0060.30 CONCRETE BASE TYPE G EACH	SPV.0060.32 CONCRETE BASE TYPE LB-8 EACH	SPV.0060.34 CONCRETE BASE TYPE P EACH
0010	CB-1	10+68.9 N	34.5'LT	---	---	---	---	1
	SB-1	62+11.8	54.0'RT	---	1	1	---	---
	SB-2	62+32.9	40.0'RT	1	---	---	---	---
	SB-3	62+32.7	34.8'LT	---	1	1	---	---
	SB-4	62+17.5	48.4'LT	---	---	---	1	---
	SB-5	61+57.1	48.0'LT	---	1	1	---	---
	SB-6	61+28.7	31.0'LT	1	---	---	---	---
	SB-7	61+24.9	41.2'RT	---	1	1	---	---
	SB-8	61+39.1	58.1'RT	---	---	---	1	---
	SUBTOTALS (NICHOLS (0010))			2	4	4	2	1
	CB-2	10+60.4 D	33.4'RT	---	---	---	---	1
	SB-11	87+86.9	47.9'RT	---	1	1	---	---
	SB-12	88+09.5	35.7'RT	1	---	---	---	---
	SB-13	88+10.5	36.5'LT	---	1	1	---	---
	SB-14	87+94.3	46.8'LT	---	1	1	---	---
	SB-15	87+35.7	48.9'LT	---	1	1	---	---
	SB-16	87+20.6	35.9'LT	1	---	---	---	---
	SB-17	87+24.6	36.8'RT	---	---	---	1	---
	SUBTOTALS (DEAN (0010))			2	4	4	1	1
	SUBTOTALS (0010)			4	8	8	3	2
0050	CB-3	10+70.7 CE	34.5'LT	---	---	---	---	1
	SB-20	101+09.2	55.8'RT	---	1	1	---	---
	SB-21	101+27.6	41.7'RT	1	---	---	---	---
	SB-22	101+26.9	30.2'LT	---	1	1	---	---
	SB-23	101+10.7	38.6'LT	---	1	1	---	---
	SB-24	100+57.9	38.2'LT	---	1	1	---	---
	SB-25	100+39.4	29.7'LT	1	---	---	---	---
	SB-26	100+39.9	42.2'RT	---	1	1	---	---
	SB-27	100+57.6	55.5'RT	---	---	---	---	---
	SUBTOTALS COLDSPRING (0050)			2	5	5	0	1
	SUBTOTALS (0050)			2	5	5	0	1
	TOTALS			6	13	13	3	3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CONTROLLER, SIGNAL MOUNTING HARDWARE

CATEGORY	LOCATION	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL *LS	658.5069 SIGNAL MOUNTING HARDWARE *LS	SPV.0060.20 TRAFFIC SIGNAL CONTROL CABINET, BLACK EACH	SPV.0060.35 TRAFFIC SIGNAL MASTER CONTROLLER EACH	SPV.0060.36 NEMA-PLUS CONFLICT MONITOR EACH
0010	NICHOLS & MONONA DR.	1	1	1	---	1
	DEAN & MONONA DR.	1	1	1	1	1
	SUBTOTAL (0010)	2	2	2	1	2
0050	COLDSPRING & MONONA DR.	1	1	1	---	1
	SUBTOTAL (0050)	1	1	1	0	1
	TOTALS	3	3	3	1	3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE BASES TYPE 1

CATEGORY	STATION	OFFSET	654.0101 *EACH
0020	95+96	41.5' RT	1
	97+56	29.7' RT	1
		TOTAL	2

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LOOP DETECTOR INSTALLATION

CATEGORY	INTERSECTION	LOOP NO.	STATION	LOCATION	SIZE FT x FT	NO. OF TURNS	652.0800 CONDUIT LOOP DETECTOR LF	652.0900 LOOP DETECTOR SLOTS LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF	SSD INSTALLATION REFERENCE
0010	NICHOLS	11	61+02	5.5' RT	6X6	3	58	---	150	140	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		12	60+85	5.2' RT	6X15	3	77	---	---	195	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		21	63+42	8.8' LT	6X6	4	70	---	225	280	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		22	63+45	19.7' LT	6X6	4	50	---	---	200	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		23	64+75	14.2' LT	6X14	4	68	---	360	270	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		31	10+80 N	1.2' RT	6X6	3	49	---	34	120	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		32	10+97 N	1.2' RT	6X15	3	69	---	---	180	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		41	9+41 N	12.9' RT	6X20	3	76	---	275	230	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		42	8+01 N	13.5' RT	6X6	5	35	30	395	140	LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
		51	62+59	2.6' RT	6X6	3	60	---	120	145	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		52	62+75	2.3' RT	6X15	3	87	---	---	215	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		61	60+18	14.9' RT	6X6	4	70	---	235	280	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		62	60+14	25.8' RT	6X6	4	48	---	---	190	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		63	58+96	18.2' RT	6X14	4	70	---	355	280	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		71	9+15 N	0.0' LT	6X6	4	47	---	275	140	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		81	10+64 N	10.0' LT	6X20	3	80	---	34	240	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		82	12+05 N	10.7' LT	6X6	3	50	---	160	150	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		SUBTOTAL (NICHOLS/PFLAUM (0010))					1,064	30	2,618	3,395	
	DEAN	11	86+97	1.0' RT	6X6	3	58	---	73	140	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		12	86+81	1.0' RT	6X15	3	76	---	---	195	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		21	89+19	11.5' LT	6X6	4	70	---	300	280	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		22	89+22	22.5' LT	6X6	4	48	---	---	190	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		23	90+52	11.0' LT	6X14	4	68	---	445	270	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		41	9+43 D	10.5' RT	6X20	3	84	---	250	220	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		42	8+02 D	8.8' RT	6X6	4	48	---	310	190	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		51	88+36	1.0' LT	6X6	4	58	---	225	165	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		52	88+52	1.0' LT	6X15	3	76	---	---	195	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		61	86+14	11.0' RT	6X6	3	72	---	150	215	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		62	86+11	23.1' RT	6X6	3	48	---	---	145	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		63	84+81	19.8' RT	6X14	3	72	---	280	215	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		71	9+17 D	0.0' RT	6X6	4	46	---	---	140	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		81	10+59 D	8.0' LT	6X20	3	82	---	64	245	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		82	11+99 D	8.0' LT	6X6	4	52	---	195	210	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		SUBTOTAL (DEAN (0010))					958	0	2,292	3,015	
		SUBTOTAL (0010)					2,022	30	4,910	6,410	
0050	COLDSPRING	11	100+12	7.0' RT	6X6	3	58	---	140	140	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		12	99+96	7.0' RT	6X15	3	76	---	---	195	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		21	102+38	5.5' LT	6X6	4	74	---	240	295	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		22	102+41	16.5' LT	6X6	4	48	---	---	190	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		23	103+71	11.0' LT	6X14	4	66	---	370	265	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		31	10+93 CE	3.0' LT	6X6	3	44	---	36	110	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		41	9+49 CW	7.5' RT	6X20	3	76	---	240	230	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		42	8+08 CW	7.4' RT	6X6	5	36	30	380	145	LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
		51	101+55	5.0' RT	6X6	3	60	---	160	145	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE
		52	101+71	5.0' RT	6X15	3	76	---	---	195	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE

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LOOP DETECTOR INSTALLATION (CONT'D)

CATEGORY		LOOP NO.	STATION	LOCATION	SIZE FT x FT	NO. OF TURNS	652.0800 CONDUIT LOOP DETECTOR LF	652.0900 LOOP DETECTOR SLOTS LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF	SSD INSTALLATION REFERENCE
0050 (CONT'D)	COLDSPRING	61	99+29	17.5'RT	6X6	4	70	---	220	280	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		62	99+26	28.5'RT	6X6	4	48	---	---	190	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		63	97+96	23.0'RT	6X14	4	68	---	355	270	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		81	10+67 CE	13.0'LT	6X20	3	74	---	36	220	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		82	12+08 CE	12.7'LT	6X6	3	34	30	160	92	LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
		SUBTOTAL (COLDSPRING (0050))					908	60	2,337	2,962	
		(SUBTOTAL (0050))					908	60	2,337	2,962	
						TOTALS	2,930	90	7,247	9,372	

TRAFFIC SIGNAL PULL BOX

CATEGORY	PULL BOX NO.	STATION	LOCATION	SPV.0060.21 PULL BOX TYPE I *EACH	SPV.0060.22 PULL BOX TYPE III EACH	SPV.0060.23 PULL BOX TYPE V EACH
0010	PB-1	59+03	36.2' RT	---	1	---
	PB-2	60+16	38.8' RT	---	1	---
	PB-3	60+95	39.9' RT	---	1	---
	PB-4	61+49	70.3' RT	---	---	1
	PB-5	10+87 N	24.7' LT	---	1	---
	PB-6	12+03 N	24.5' LT	---	1	---
	PB-7	61+18	30.9' LT	---	---	1
	PB-8	9+17	24.7' RT	---	1	---
	PB-9	8+03	24.0' RT	---	1	---
	PB-10	62+46	31.7' LT	---	---	1
	PB-11	63+43	32.8' LT	---	1	---
	PB-12	64+72	32.7' LT	---	1	---
	PB-19	87+08	35.5' LT	---	---	1
	PB-20	7+92 D	20.3' RT	---	1	---
	PB-21	84+89	38.6' RT	---	1	---
	PB-22	86+14	35.9' RT	---	1	---
	PB-23	86+86	35.4' RT	---	1	---
	PB-24	10+70 D	20.7' LT	---	---	1
	PB-25	11+94 D	21.6' LT	---	1	---
	PB-26	9+24 D	22.4' LT	---	1	---
	PB-27	88+19	35.6' LT	---	---	1
	PB-28	88+46	35.5' LT	---	1	---
	PB-29	89+21	35.5' LT	---	1	---
	PB-30	90+61	29.6' LT	---	1	---
	PB-36	98+00	41.5' RT	1	---	---

CONT'D TO RIGHT

TRAFFIC SIGNAL PULL BOX (CONT'D)

CATEGORY	PULL BOX NO.	STATION	LOCATION	SPV.0060.21 PULL BOX TYPE I *EACH	SPV.0060.22 PULL BOX TYPE III EACH	SPV.0060.23 PULL BOX TYPE V EACH
0010 (CONT'D)	PB-100	62+20	43.8' RT	1	---	---
	PB-101	65+70	38.3' RT	1	---	---
	PB-102	69+20	38.3' RT	1	---	---
	PB-103	72+65	38.3' RT	1	---	---
	PB-104	76+20	38.3' RT	1	---	---
	PB-105	79+70	38.3' RT	1	---	---
	PB-106	83+20	38.3' RT	1	---	---
	PB-107	87+15	35.5' RT	1	---	---
	PB-108	90+65	29.5' RT	1	---	---
	PB-109	94+15	38.0' RT	1	---	---
	PB-110	101+15	44.5' RT	1	---	---
	PB-111	104+65	32.6' RT	1	---	---
	PB-112	108+16	29.5' RT	1	---	---
SUBTOTALS (0010)				14	18	6
0050	PB-33	100+30	29.5' LT	---	---	1
	PB-34	9+45 CW	19.3' RT	---	1	---
	PB-35	8+07 CW	19.9' RT	---	1	---
	PB-37	99+29	41.5' RT	---	1	---
	PB-38	100+03	41.5' RT	---	1	---
	PB-39	100+60	62.7' RT	---	---	1
	PB-40	10+91 CE	23.7' LT	---	1	---
	PB-41	12+08 CE	23.5' LT	---	1	---
	PB-42	101+32	29.5' LT	---	---	1
	PB-43	101+73	29.5' LT	---	1	---
	PB-44	102+49	29.6' LT	---	1	---
	PB-45	103+70	29.4' LT	---	1	---
SUBTOTALS (0050)				0	9	3
			TOTALS	14	27	9

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL EVP DETECTOR CABLE

** FOR INFORMATION ONLY

CATEGORY	INTERSECTION	LOCATION FROM	LOCATION TO	LF
0010	NICHOLS	CB-1	A	78
		CB-1	B	230
		CB-1	C	195
		CB-1	D	130
	SUBTOTAL NICHOLS (0010)			633
	DEAN	CB-2	E	145
		CB-2	F	165
	SUBTOTAL DEAN (0010)			310
	SUBTOTAL (0010)			943
0050	COLDSPRING	CB-3	G	62
		CB-3	H	225
	SUBTOTAL COLDSPRING (0050)			287
	SUBTOTAL (0050)			287
			TOTAL	1,230

** ITEMS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND PAID FOR UNDER THE BID ITEM EVP DETECTOR.

3

TRAFFIC SIGNAL EQUIPMENT GROUNDING AND GROUNDED CONDUCTORS

CATEGORY	LOCATION FROM	LOCATION TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG GREEN LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG WHITE LF
0010	CB-1	SB-1	49	49
	SB-1	SB-2	46	46
	SB-2	SB-3	330	330
	SB-3	SB-4	105	105
	SB-4	SB-5	440	440
	SB-5	SB-6	120	120
	SB-6	SB-7	340	340
	SB-7	SB-8	120	120
	SB-8	CB-1	185	185
	SB-8	PB-4	43	43
	SB-6	PB-7	34	34
	SB-3	PB-10	40	40
	SUBTOTAL(NICHOLS (0010))		1,852	1,852
	CB-2	SB-11	180	180
	SB-11	SB-12	150	150
	SB-12	SB-13	375	375
	SB-13	SB-14	84	84
	SB-14	SB-15	370	370
	SB-15	SB-16	100	100
	SB-16	SB-17	305	305
	SB-17	CB-2	62	62
	SB-16	PB-19	40	40

CONT'D RIGHT

TRAFFIC SIGNAL EQUIPMENT GROUNDING AND GROUNDED CONDUCTORS (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG GREEN LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG WHITE LF
0010	SB-11	PB-24	58	58
(CONT'D)	SB-13	PB-27	30	30
	SUBTOTALS (DEAN (0010))		1,754	1,754
	SUBTOTALS (0010)		3,606	3,606
0050	CB-3	SB-20	45	45
	SB-20	SB-21	110	110
	SB-21	SB-22	305	305
	SB-22	SB-23	73	73
	SB-23	SB-24	340	340
	SB-24	SB-25	90	90
	SB-25	SB-26	305	305
	SB-26	SB-27	84	84
	SB-27	CB-3	155	155
	SB-25	PB-33	30	30
	SB-27	PB-39	28	28
	SB-22	PB-42	24	24
	SUBTOTALS (COLDSPRING (0050))		1,589	1,589
	SUBTOTALS (0050)		1,589	1,589
		TOTALS	5,195	5,195

TRAFFIC SIGNAL FACES SUMMARY

CATEGORY	INTERSECTION	BASE NO.	HEAD NO.	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL EACH	658.0115 TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL EACH	658.0120 TRAFFIC SIGNAL FACE 5-12 INCH VERTICAL EACH	658.0155 TRAFFIC SIGNAL FACE 3-12 INCH HORIZONTAL EACH	658.0165 TRAFFIC SIGNAL FACE 5-12 INCH HORIZONTAL EACH	658.0215 BACKPLATES SIGNAL FACE 3 SECTION 12-INCH EACH	658.0220 BACKPLATES SIGNAL FACE 4 SECTION 12-INCH EACH	658.0225 BACKPLATES SIGNAL FACE 5 SECTION 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	658.0660 LED MODULES COUNTDOWN TIMER 12-INCH EACH
0010	NICHOLS	SB-1	6	1	---	---	---	---	1	---	---	---	---
			16	1	---	---	---	---	1	---	---	---	---
			81	---	---	---	---	---	---	---	---	1	1
		SB-2	2	1	---	---	---	---	1	---	---	---	---
			3	1	---	---	---	---	1	---	---	---	---
			4	---	1	---	---	---	---	1	---	---	---
			82	---	---	---	---	---	---	---	---	1	1
		SB-3	5	---	1	---	---	---	---	1	---	---	---
			9	1	---	---	---	---	1	---	---	---	---
			83	---	---	---	---	---	---	---	---	1	1
			84	---	---	---	---	---	---	---	---	1	1
		SB-4	7	---	---	---	---	1	---	---	1	---	---
		SB-5	8	---	---	1	---	---	---	---	1	---	---
			14	1	---	---	---	---	1	---	---	---	---
		SB-6	10	1	---	---	---	---	1	---	---	---	---

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TRAFFIC SIGNAL FACES SUMMARY (CONT'D)

CATEGORY		BASE NO.	HEAD NO.	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL EACH	658.0115 TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL EACH	658.0120 TRAFFIC SIGNAL FACE 5-12 INCH VERTICAL EACH	658.0155 TRAFFIC SIGNAL FACE 3-12 INCH HORIZONTAL EACH	658.0165 TRAFFIC SIGNAL FACE 5-12 INCH HORIZONTAL EACH	658.0215 BACKPLATES SIGNAL FACE 3 SECTION 12-INCH EACH	658.0220 BACKPLATES SIGNAL FACE 4 SECTION 12-INCH EACH	658.0225 BACKPLATES SIGNAL FACE 5 SECTION 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	658.0660 LED MODULES COUNTDOWN TIMER 12-INCH EACH
0010 (CONT'D)	NICHOLS		11	1	---	---	---	---	1	---	---	---	---
			12	---	1	---	---	---	---	1	---	---	---
			85	---	---	---	---	---	---	---	---	1	1
			86	---	---	---	---	---	---	---	---	1	1
		SB-7	1	1	---	---	---	---	1	---	---	---	---
			13	---	1	---	---	---	---	1	---	---	---
			87	---	---	---	---	---	---	---	---	1	1
		SB-8	15	---	---	---	1	---	1	---	---	---	---
			80	---	---	---	---	---	---	---	---	1	1
		SUBTOTAL NICHOLS (0010)		9	4	1	1	1	10	4	2	8	8
	DEAN	SB-11	6	1	---	---	---	---	1	---	---	---	---
			16	1	---	---	---	---	1	---	---	---	---
		SB-12	2	1	---	---	---	---	1	---	---	---	---
			3	1	---	---	---	---	1	---	---	---	---
			4	1	---	---	---	---	1	---	---	---	---
			72	---	---	---	---	---	---	---	---	1	1
			73	---	---	---	---	---	---	---	---	1	1
		SB-13	5	1	---	---	---	---	1	---	---	---	---
			9	1	---	---	---	---	1	---	---	---	---
			74	---	---	---	---	---	---	---	---	1	1
			75	---	---	---	---	---	---	---	---	1	1
		SB-14	7	1	---	---	---	---	1	---	---	---	---
		SB-15	8	1	---	---	---	---	1	---	---	---	---
			14	1	---	---	---	---	1	---	---	---	---
		SB-16	10	1	---	---	---	---	1	---	---	---	---
			11	1	---	---	---	---	1	---	---	---	---
			12	1	---	---	---	---	1	---	---	---	---
			76	---	---	---	---	---	---	---	---	---	---
			77	---	---	---	---	---	---	---	---	---	---
		SB-17	1	1	---	---	---	---	1	---	---	---	---
			13	1	---	---	---	---	1	---	---	---	---
			15	1	---	---	---	---	1	---	---	---	---
			70	---	---	---	---	---	---	---	---	---	---
			71	---	---	---	---	---	---	---	---	1	1
		SUBTOTAL DEAN (0010)		16	0	0	0	0	16	0	0	5	5
		SUBTOTAL (0010)		25	4	1	1	1	26	4	2	13	13
0050	COLDSPRING	SB-20	6	1	---	---	---	---	1	---	---	---	---
			16	1	---	---	---	---	1	---	---	---	---
		SB-21	2	1	---	---	---	---	1	---	---	---	---
			3	1	---	---	---	---	1	---	---	---	---
			4	1	---	---	---	---	1	---	---	---	---
			62	---	---	---	---	---	---	---	---	1	1
			63	---	---	---	---	---	---	---	---	1	1
		SB-22	5	1	---	---	---	---	1	---	---	---	---
			9	1	---	---	---	---	1	---	---	---	---
			64	---	---	---	---	---	---	---	---	1	1
			65	---	---	---	---	---	---	---	---	1	1
		SB-23	7	1	---	---	---	---	1	---	---	---	---
		SB-24	8	1	---	---	---	---	1	---	---	---	---
			14	1	---	---	---	---	1	---	---	---	---
		SB-25	10	1	---	---	---	---	1	---	---	---	---

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TRAFFIC SIGNAL FACES SUMMARY (CONT'D)

CATEGORY		BASE NO.	HEAD NO.	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL EACH	658.0115 TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL EACH	658.0120 TRAFFIC SIGNAL FACE 5-12 INCH VERTICAL EACH	658.0155 TRAFFIC SIGNAL FACE 3-12 INCH HORIZONTAL EACH	658.0165 TRAFFIC SIGNAL FACE 5-12 INCH HORIZONTAL EACH	658.0215 BACKPLATES SIGNAL FACE 3 SECTION 12-INCH EACH	658.0220 BACKPLATES SIGNAL FACE 4 SECTION 12-INCH EACH	658.0225 BACKPLATES SIGNAL FACE 5 SECTION 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	658.0660 LED MODULES COUNTDOWN TIMER 12-INCH EACH
0050 (CONT'D)	COLDSPRING		11	1	---	---	---	---	1	---	---	---	---
			12	---	1	---	---	---	---	1	---	---	---
			66	---	---	---	---	---	---	---	---	1	1
			67	---	---	---	---	---	---	---	---	1	1
		SB-26	1	1	---	---	---	---	1	---	---	---	---
			13	---	1	---	---	---	---	1	---	---	---
			60	---	---	---	---	---	---	---	---	1	1
		SB-27	15	1	---	---	---	---	1	---	---	---	---
			61	---	---	---	---	---	---	---	---	1	1
		SUBTOTAL COLDSPRING (0050)		14	2	0	0	0	14	2	0	8	8
		SUBTOTAL (0050)		14	2	0	0	0	14	2	0	8	8
		TOTALS		39	6	1	1	1	40	6	2	21	21

TRAFFIC SIGNAL POLES

CATEGORY	INTERSECTION	BASE NO.	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT *EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.25 POLE 20-FOOT BLACK, 7 GAUGE EACH	SPV.0060.27 MONOTUBE POLE, TYPE 12 BLACK EACH	SPV.0060.28 MONOTUBE ARM, 35-FOOT BLACK EACH	SPV.0060.29 TRAFFIC SIGNAL TROMBONE ARMS BLACK, ALUMINUM 18-FOOT EACH	** FOR INFORMATION ONLY EVP DETECTOR EACH
0010	NICHOLS	SB-1	1	---	1	---	---	---	---	---
		SB-2	---	---	1	---	1	1	---	1
		SB-3	---	1	1	---	---	---	---	---
		SB-4	---	---	1	1	---	---	1	1
		SB-5	---	1	1	---	---	---	---	---
		SB-6	---	---	1	---	1	1	---	1
		SB-7	---	1	1	---	---	---	---	---
		SB-8	---	---	1	1	---	---	1	1
		SUBTOTAL (NICHOLS (0010))	1	3	8	2	2	2	2	4
	DEAN	SB-11	1	---	---	---	---	---	---	---
		SB-12	---	---	1	---	1	1	---	1
		SB-13	1	---	1	---	---	---	---	---
		SB-14	1	---	---	---	---	---	---	---
		SB-15	1	---	---	---	---	---	---	---
		SB-16	---	---	1	---	1	1	---	1
		SB-17	---	---	1	1	---	---	1	---
		SUBTOTAL (DEAN (0010))	4	0	4	1	2	2	1	2
		SUBTOTAL (0010)	5	3	12	3	4	4	3	6

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TRAFFIC SIGNAL POLES (CONT'D)

CATEGORY		BASE NO.	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT *EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.25 POLE 20-FOOT BLACK, 7 GAUGE EACH	SPV.0060.27 MONOTUBE POLE, TYPE 12, BLACK EACH	SPV.0060.28 MONOTUBE ARM, 35-FOOT BLACK EACH	SPV.0060.29 TRAFFIC SIGNAL TROMBONE ARM BLACK, ALUMINUM 18-FOOT EACH	** FOR INFORMATION ONLY EVP DETECTOR EACH
0050	COLDSPRING	SB-20	1	---	1	---	---	---	---	---
		SB-21	---	---	1	---	1	1	---	1
		SB-22	1	---	1	---	---	---	---	---
		SB-23	1	---	1	---	---	---	---	---
		SB-24	1	---	1	---	---	---	---	---
		SB-25	---	---	1	---	1	1	---	1
		SB-26	---	1	1	---	---	---	---	---
		SB-27	1	---	1	---	---	---	---	---
		SUBTOTAL (COLDSPRING (0050))	5	1	8	0	2	2	0	2
		SUBTOTAL (0050)	5	1	8	0	2	2	0	2
		TOTALS	10	4	20	3	6	6	3	8

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

** ITEMS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND PAID FOR UNDER THE BID ITEM OPTICOM SIGNAL PREEMPT.

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

CATEGORY	LOCATION	661.0200 LS
0010	NICHOLS/PFLAUM	1
	DEAN AVENUE	1
	SUBTOTAL (0010)	2
0050	COLDSPRING AVENUE	1
	SUBTOTAL (0050)	1
	TOTAL	3

COMMUNICATIONS CABLE INSTALLED IN CONDUIT

CATEGORY	LOCATION FROM	LOCATION TO	655.0410 LF	REMARK
0020	EXTC-3	CB-1	2,150	EXTC-3 LOCATED SW QUADRANT OWEN RD. / MONONA DR.
	CB-1	CB-2	2,600	
	CB-2	CB-3	1,500	
	CB-3	EXTSCB1	2,700	EXTSCB1 LOCATED SE QUADRANT BUCKEYE RD. / MONONA DR.
		TOTALS	8,950	

TRAFFIC SIGNAL FLASHER ASSEMBLY SUMMARY

CATEGORY	BASE NO.	STATION	LOCATION	654.0101 CONCRETE BASE TYPE 1 *EACH	657.0100 PEDESTAL BASES *EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT *EACH	658.0103 TRAFFIC SIGNAL FACE 1-12 INCH VERTICAL EACH	658.0210 BACKPLATES SIGNAL FACE 1 SECTION 12-INCH EACH	658.5069 SIGNAL MOUNTING HARDWARE *LS	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL *LS	SPV.0105.25 TRAFFIC SIGNAL FLASHER CABINET ASSEMBLY (STATION 94+33) LS	SPV.0105.26 TRAFFIC SIGNAL FLASHER CABINET ASSEMBLY (STATION 102+56) LS
0020	FA-1	94+33	39.2'RT	1	1	1	1	1	1	1	1	---
	FA-2	102+56	29.5'LT	1	1	1	1	1	1	1	---	1
			TOTALS	2	2	2	2	2	2	2	1	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONDUIT SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	*652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	*652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF
0020	EXLP-1	EXLP-3	65	---	---
	LP-6	PB-200	60	---	---
	PB-200	LP-7	9	---	---
	PB-200	PB-201	---	---	56
	PB-201	LP-11	44	---	---
	LP-11	PB-202	4	---	---
	PB-202	PB-218	---	---	72
	PB-202	LP-13	73	58	---
	LP-13	LP-15	115	21	---
	LP-15	LP-17	97	44	---
	LP-17	LP-19	120	---	---
	LP-19	LP-21	70	68	---
	LP-21	LP-23	130	---	---
	LP-23	PB-203	25	---	---
	PB-203	LC-5	44	---	---
	PB-203	PB-219	---	---	84
	PB-203	PB-204	---	---	56
	PB-204	LP-25	16	---	---
	LP-25	LP-27	105	32	---
	LP-27	LP-29	120	---	---
	LP-29	LP-31	77	33	---
	LP-31	LP-33	145	---	---
	LP-33	LP-35	110	32	---
	LP-35	LP-37	76	62	---
	LP-37	LP-39	98	30	---
	LP-39	LP-41	96	54	---
	LP-41	LP-43	83	32	---
	LP-43	LP-45	140	---	---
	LP-45	LP-47	95	31	---
	LP-47	LP-50	90	32	---
	LP-50	PB-205	42	---	---
	PB-205	PB-220	---	---	115
	PB-205	PB-206	---	---	46
	PB-206	LP-52	6	---	---
	PB-206	LP-53	44	---	---
	LP-53	LP-55	110	---	---
	LP-55	LP-57	130	32	---
	LP-57	LP-59	97	---	---
	LP-59	PB-207	24	---	---
	PB-207	PB-208	---	---	40
	PB-208	LP-61	5	---	---
	LP-61	LP-63	125	---	---
	LP-63	LP-64	125	---	---
	LP-64	LP-66	130	---	---
	LP-66	PB-209	37	---	---
	PB-209	PB-210	---	---	41
	PB-210	LP-68	8	---	---
	LP-68	LP-70	84	31	---
	LP-70	LP-72	54	53	---
	LP-72	LP-74	77	21	---

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LIGHTING CONDUIT SUMMARY (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	*652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	*652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF
0020 (CONT'D)	LP-74	PB-211	48	---	---
	PB-211	PB-212	---	---	40
	PB-212	LP-76	6	---	---
	PB-212	PB-213	38	---	---
	PB-213	PB-224	---	---	71
	PB-213	LP-78	62	19	---
	LP-78	LP-80	135	90	---
	LP-80	LP-82	190	57	---
	LP-82	PB-214	46	---	---
	PB-214	PB-215	---	---	39
	PB-215	PB-225	---	---	74
	PB-215	LP-84	51	---	---
	EXLP-85	EXPB-1	40	---	---
	EXLP-2	LP-4	125	---	---
	LP-5	PB-216	7	---	---
	PB-216	PB-217	---	---	56
	PB-217	LP-8	13	---	---
	LP-8	LP-9	54	---	---
	LP-9	PB-218	12	---	---
	PB-218	LP-12	40	---	---
	LP-12	LP-14	110	---	---
	LP-14	LP-16	140	---	---
	LP-16	LP-18	125	---	---
	LP-18	LP-20	135	---	---
	LP-20	LP-22	130	---	---
	LP-22	PB-219	18	---	---
	PB-219	LP-24	69	---	---
	LP-24	LP-26	130	---	---
	LP-26	LP-28	125	---	---
	LP-28	LP-30	130	---	---
	LP-30	LP-32	130	---	---
	LP-32	LP-34	135	---	---
	LP-34	LP-36	140	---	---
	LP-38	LP-40	140	---	---
	LP-40	LP-42	125	---	---
	LP-42	LP-44	170	---	---
	LP-44	LP-46	90	---	---
	LP-46	LP-48	135	---	---
	LP-48	LP-49	25	---	---
	LP-49	PB-220	12	---	---
	PB-220	LC-6	86	---	---
	PB-220	PB-221	---	---	52
	PB-221	LP-51	45	---	---
	LP-51	LP-54	88	47	---
	LP-54	LP-56	110	68	---
	LP-56	LP-58	66	37	---
	LP-58	LP-60	105	33	---
	LP-60	LP-62	91	36	---
	LP-62	LP-65	130	---	---
	LP-65	LP-67	52	---	---

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LIGHTING CONDUIT SUMMARY (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	*652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	*652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF
0020 (CONT'D)	LP-67	LP-69	135	---	---
	LP-69	LP-71	110	---	---
	LP-71	LP-73	130	---	---
	LP-73	PB-222	15	---	---
	PB-222	PB-223	---	---	59
	PB-223	LC-7	60	---	---
	PB-223	LP-75	17	---	---
	PB-223	PB-224	69	---	---
	PB-224	LP-77	155	30	---
	LP-77	LP-79	190	49	---
	LP-79	LP-81	135	62	---
	LP-81	PB-225	13	---	---
	PB-225	LP-83	160	27	---
		TOTALS	8,248	1,221	901

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING PULL BOXES

CATEGORY	PULL BOX NO.	STATION	LOCATION	SPV.0060.21 PULL BOX TYPE I *EACH
0020	PB-200	61+60	54' LT	1
	PB-201	62+16	50' LT	1
	PB-202	62+56	32' LT	1
	PB-203	70+73	46' LT	1
	PB-204	71+26	35' LT	1
	PB-205	87+43	57' LT	1
	PB-206	87+89	53' LT	1
	PB-207	92+10	44' LT	1
	PB-208	92+50	48' LT	1
	PB-209	96+61	42' LT	1
	PB-210	97+01	43' LT	1
	PB-211	100+65	44' LT	1
	PB-212	101+05	42' LT	1
	PB-213	101+38	29' LT	1
	PB-214	107+30	41' LT	1
	PB-215	107+69	44' LT	1
	PB-216	61+48	74' RT	1
	PB-217	62+05	81' RT	1
	PB-218	62+56	39' RT	1
	PB-219	70+73	38' RT	1
	PB-220	87+39	60' RT	1
	PB-221	87+84	57' RT	1
	PB-222	100+60	59' RT	1
	PB-223	101+08	71' RT	1
	PB-224	101+38	41' RT	1
	PB-225	107+69	30' RT	1
			TOTAL	26

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

EQUIPMENT GROUNDING CONDUCTORS

CATEGORY	LOCATION FROM	LOCATION TO	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0625 ELECTRICAL WIRE LIGHTING 6AWG LF	*655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
0020	LC-5	PB-203	---	---	---	20
	PB-203	LP-23	---	---	---	31
	LP-23	LP-21	---	---	---	130
	LP-21	LP-19	---	---	---	140
	LP-19	LP-17	---	---	---	120
	LP-17	LP-15	---	---	---	140
	LP-15	LP-13	---	---	---	140
	LP-13	PB-202	---	---	---	135
	PB-202	LP-11	---	---	---	10
	LP-11	LP-201	---	---	---	44
	PB-201	PB-200	---	---	---	68
	PB-200	LP-7	---	---	---	15
	LP-7	LP-6	---	---	---	46
	LC-5	PB-203	---	---	---	19
	PB-203	PB-219	---	---	---	96
	PB-219	LP-22	---	---	---	24
	LP-22	LP-20	---	---	---	130
	LP-20	LP-18	---	---	---	135
	LP-18	LP-16	---	---	---	125
	LP-16	LP-14	---	---	---	140
	LP-14	LP-12	---	---	---	110
	LP-12	PB-218	---	---	---	165
	PB-218	LP-9	---	---	---	18
	LP-9	LP-8	---	---	---	54
	LP-8	PB-217	---	---	---	19
	PB-217	PB-216	---	---	---	68
	PB-216	LP-5	---	---	---	13
	LC-5	PB-203	---	---	19	---
	PB-203	PB-204	---	---	68	---
	PB-204	LP-25	---	---	22	---
	LP-25	LP-27	---	---	135	---
	LP-27	LP-29	---	---	120	---
	LP-29	LP-31	---	---	110	---
	LP-31	LP-33	---	---	145	---
	LP-33	LP-35	---	---	140	---
	LP-35	LP-37	---	---	140	---
	LC-5	PB-203	---	---	20	---
	PB-203	PB-219	---	---	96	---
	PB-219	LP-24	---	---	75	---
	LP-24	LP-26	---	---	130	---
	LP-26	LP-28	---	---	125	---
	LP-28	LP-30	---	---	130	---
	LP-30	LP-32	---	---	130	---
	LP-32	LP-34	---	---	135	---
	LP-34	LP-36	---	---	140	---
	LC-6	PB-220	---	26	---	---
	PB-220	LP-49	---	18	---	---
	LP-49	LP-48	---	25	---	---
	LP-48	LP-46	---	135	---	---
	LP-46	LP-44	---	90	---	---

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EQUIPMENT GROUNDING CONDUCTORS (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0625 ELECTRICAL WIRE LIGHTING 6AWG LF	*655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
0020 (CONT'D)	LP-44	LP-42	---	170	---	---
	LP-42	LP-40	---	125	---	---
	LP-40	LP-38	---	140	---	---
	LC-6	PB-220	---	26	---	---
	PB-220	PB-205	---	125	---	---
	PB-205	LP-50	---	46	---	---
	LP-50	LP-47	---	125	---	---
	LP-47	LP-45	---	125	---	---
	LP-45	LP-43	---	140	---	---
	LP-43	LP-41	---	115	---	---
	LP-41	LP-39	---	150	---	---
	LC-6	PB-220	---	---	20	---
	PB-220	PB-221	---	---	64	---
	PB-221	LP-51	---	---	51	---
	LP-51	LP-54	---	---	135	---
	LP-54	LP-56	---	---	175	---
	LP-56	LP-58	---	---	105	---
	LP-58	LP-60	---	---	140	---
	LP-60	LP-62	---	---	125	---
	LC-6	PB-220	---	---	26	---
	PB-220	PB-205	---	---	125	---
	PB-205	PB-206	---	---	58	---
	PB-206	LP-52	---	---	12	---
	LP-52	LP-53	---	---	56	---
	LP-53	LP-55	---	---	110	---
	LP-55	LP-57	---	---	160	---
	LP-57	LP-59	---	---	97	---
	LP-59	PB-207	---	---	30	---
	PB-207	PB-208	---	---	52	---
	PB-208	LP-61	---	---	11	---
	LP-61	LP-63	---	---	50	---
	LP-63	LP-54	---	---	125	---
	LC-7	PB-223	22	---	---	---
	PB-223	PB-222	71	---	---	---
	PB-222	LP-73	21	---	---	---
	LP-73	LP-71	130	---	---	---
	LP-71	LP-69	110	---	---	---
	LP-69	LP-67	135	---	---	---
	LP-67	LP-65	52	---	---	---
	LC-7	PB-223	22	---	---	---
	PB-223	PB-224	47	---	---	---
	PB-224	PB-213	83	---	---	---
	PB-213	LP-78	87	---	---	---
	LP-78	LP-80	225	---	---	---
	LP-80	LP-82	245	---	---	---
	LP-82	PB-214	52	---	---	---
	PB-214	PB-215	51	---	---	---
	PB-215	LP-84	57	---	---	---
	LC-7	PB-223	---	22	---	---
	PB-223	PB-224	---	47	---	---

CONT'D ABOVE

EQUIPMENT GROUNDING CONDUCTORS (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0625 ELECTRICAL WIRE LIGHTING 6AWG LF	*655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
0020 (CONT'D)	PB-224	PB-213	---	83	---	---
	PB-213	PB-212	---	44	---	---
	PB-212	LP-76	---	12	---	---
	PB-212	PB-211	---	52	---	---
	PB-211	LP-74	---	54	---	---
	LP-74	LP-72	---	97	---	---
	LP-72	LP-70	---	105	---	---
	LP-70	LP-68	---	115	---	---
	LP-68	PB-210	---	14	---	---
	PB-210	PB-209	---	53	---	---
	PB-209	LP-66	---	43	---	---
	LC-7	PB-223	---	22	---	---
	PB-223	PB-224	---	47	---	---
	PB-224	LP-77	---	190	---	---
	LP-77	LP-79	---	235	---	---
	LP-79	LP-81	---	195	---	---
	LP-81	PB-225	---	19	---	---
	PB-225	LP-83	---	195	---	---
		TOTALS	1,410	3,225	3,607	2,155

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE, LIGHTING (FESTOON OUTLETS)

CATEGORY	LOCATION FROM	LOCATION TO	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG (GROUND) LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (GROUND) LF	*655.0625 ELECTRICAL WIRE LIGHTING 6AWG LF	*655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (GROUND) LF	*655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	*655.0630 ELECTRICAL WIRE LIGHTING 4 AWG (GROUND) LF
0020	LC-5	LP-23	---	---	---	---	---	---	---	---	94	47
	LP-23	LP-21	---	---	---	---	---	---	---	---	270	135
	LP-21	LP-19	---	---	---	---	---	---	---	---	290	145
	LP-19	LP-17	---	---	---	---	---	---	---	---	255	130
	LP-17	LP-15	---	---	---	---	---	---	---	---	295	145
	LP-15	LP-13	---	---	---	---	---	---	---	---	290	145
	LP-13	LP-11	---	---	---	---	---	---	---	---	295	145
	LP-11	LP-7	---	---	---	---	---	---	---	---	255	130
	LP-7	LP-6	---	---	---	---	---	---	---	---	105	52
	LC-5	LP-25	---	---	---	---	---	---	200	100	---	---
	LP-25	LP-27	---	---	---	---	---	---	280	140	---	---
	LP-27	LP-29	---	---	---	---	---	---	250	125	---	---
	LP-29	LP-31	---	---	---	---	---	---	230	115	---	---
	LP-31	LP-33	---	---	---	---	---	---	300	150	---	---
	LP-33	LP-35	---	---	---	---	---	---	295	145	---	---
	LP-35	LP-37	---	---	---	---	---	---	290	145	---	---
	LC-5	LP-22	---	---	---	---	---	---	---	---	260	130
	LP-22	LP-20	---	---	---	---	---	---	---	---	270	135
	LP-20	LP-18	---	---	---	---	---	---	---	---	285	145
	LP-18	LP-16	---	---	---	---	---	---	---	---	260	130
	LP-16	LP-14	---	---	---	---	---	---	---	---	290	145
	LP-14	LP-12	---	---	---	---	---	---	---	---	235	120
	LP-12	LP-9	---	---	---	---	---	---	---	---	365	180
	LP-9	LP-8	---	---	---	---	---	---	---	---	120	60
	LP-8	LP-5	---	---	---	---	---	---	---	---	190	94
	LC-5	LP-24	---	---	---	---	---	---	360	180	---	---
	LP-24	LP-26	---	---	---	---	---	---	270	135	---	---
	LP-26	LP-28	---	---	---	---	---	---	265	130	---	---
	LP-28	LP-30	---	---	---	---	---	---	275	135	---	---
	LP-30	LP-32	---	---	---	---	---	---	270	135	---	---
	LP-32	LP-34	---	---	---	---	---	---	285	140	---	---
	LP-34	LP-36	---	---	---	---	---	---	295	150	---	---
	LC-6	LP-50	---	---	---	---	380	190	---	---	---	---
	LP-50	LP-47	---	---	---	---	260	130	---	---	---	---
	LP-47	LP-45	---	---	---	---	265	130	---	---	---	---
	LP-45	LP-43	---	---	---	---	295	150	---	---	---	---
	LP-43	LP-41	---	---	---	---	240	120	---	---	---	---
	LP-41	LP-39	---	---	---	---	310	155	---	---	---	---
	LC-6	LP-52	---	---	---	---	---	---	415	205	---	---
	LP-52	LP-53	---	---	---	---	---	---	125	62	---	---
	LP-53	LP-55	---	---	---	---	---	---	230	115	---	---
	LP-55	LP-57	---	---	---	---	---	---	335	165	---	---
	LP-57	LP-59	---	---	---	---	---	---	205	105	---	---
	LP-59	LP-61	---	---	---	---	---	---	175	88	---	---
	LP-61	LP-63	---	---	---	---	---	---	265	130	---	---
	LP-63	LP-64	---	---	---	---	---	---	265	135	---	---
	LC-6	LP-49	---	---	---	---	82	41	---	---	---	---
	LP-49	LP-48	---	---	---	---	62	31	---	---	---	---
	LP-48	LP-46	---	---	---	---	280	140	---	---	---	---
	LP-46	LP-44	---	---	---	---	190	96	---	---	---	---

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ELECTRICAL WIRE, LIGHTING (FESTOON OUTLETS) (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG (GROUND) LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (GROUND) LF	*655.0625 ELECTRICAL WIRE LIGHTING 6AWG LF	*655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (GROUND) LF	*655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	*655.0630 ELECTRICAL WIRE LIGHTING 4 AWG (GROUND) LF
0020 (CONT'D)	LP-44	LP-42	---	---	---	---	350	175	---	---	---	---
	LP-42	LP-40	---	---	---	---	265	135	---	---	---	---
	LP-40	LP-38	---	---	---	---	290	145	---	---	---	---
	LC-6	LP-51	---	---	---	---	---	---	265	135	---	---
	LP-51	LP-54	---	---	---	---	---	---	280	140	---	---
	LP-54	LP-56	---	---	---	---	---	---	145	74	---	---
	LP-56	LP-58	---	---	---	---	---	---	220	110	---	---
	LP-58	LP-60	---	---	---	---	---	---	290	145	---	---
	LP-60	LP-62	---	---	---	---	---	---	265	135	---	---
	LC-7	LP-74	---	---	---	---	565	280	---	---	---	---
	LP-74	LP-72	---	---	---	---	205	105	---	---	---	---
	LP-72	LP-70	---	---	---	---	225	115	---	---	---	---
	LP-70	LP-68	---	---	---	---	240	120	---	---	---	---
	LP-68	LP-66	---	---	---	---	210	105	---	---	---	---
	LC-7	LP-76	415	205	---	---	---	---	---	---	---	---
	LC-7	LP-73	---	---	210	105	---	---	---	---	---	---
	LP-73	LP-71	---	---	275	135	---	---	---	---	---	---
	LP-71	LP-69	---	---	230	115	---	---	---	---	---	---
	LP-69	LP-67	---	---	280	140	---	---	---	---	---	---
	LP-67	LP-65	---	---	115	58	---	---	---	---	---	---
	LC-7	LP-75	83	41	---	---	---	---	---	---	---	---
		TOTALS	498	246	1,110	553	4,714	2,363	7,345	3,669	4,424	2,213
		ITEM TOTALS	744		1,663		7,077		11,014		6,637	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE, LIGHTING (LUMINAIRES)

CATEGORY	LOCATION FROM	LOCATION TO	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG (GROUND) LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (GROUND) LF
0020	LC-5	LP-21	---	---	---	---	355	180
	LP-21	LP-17	---	---	---	---	540	270
	LP-17	LP-13	---	---	---	---	575	290
	LP-13	LP-7	---	---	---	---	540	270
	LC-5	LP-23	---	---	94	47	---	---
	LP-23	LP-19	---	---	550	275	---	---
	LP-19	LP-15	---	---	545	270	---	---
	LP-15	LP-11	---	---	575	290	---	---
	LP-11	LP-6	---	---	305	150	---	---
	LC-5	LP-27	475	240	---	---	---	---
	LP-27	LP-31	480	240	---	---	---	---
	LP-31	LP-35	585	295	---	---	---	---
	LC-5	LP-25	---	---	200	100	---	---
	LP-25	LP-29	---	---	530	265	---	---
	LP-29	LP-33	---	---	525	260	---	---

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ELECTRICAL WIRE, LIGHTING (LUMINAIRES) (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG (GROUND) LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (GROUND) LF
0020 (CONT'D)	LP-33	LP-37	---	---	575	290	---	---
	LC-5	LP-22	---	---	---	---	260	130
	LP-22	LP-18	---	---	---	---	550	275
	LP-18	LP-14	---	---	---	---	545	270
	LP-14	LP-9	---	---	---	---	595	295
	LP-9	LP-5	---	---	---	---	300	150
	LC-5	LP-20	---	---	525	265	---	---
	LP-20	LP-16	---	---	540	270	---	---
	LP-16	LP-12	---	---	520	260	---	---
	LP-12	LP-8	---	---	475	240	---	---
	LC-5	LP-26	---	---	625	315	---	---
	LP-26	LP-30	---	---	530	265	---	---
	LP-30	LP-34	---	---	545	275	---	---
	LC-5	LP-24	---	---	360	180	---	---
	LP-24	LP-28	---	---	530	265	---	---
	LP-28	LP-32	---	---	535	270	---	---
	LP-32	LP-36	---	---	575	285	---	---
	LC-6	LP-50	380	190	---	---	---	---
	LP-50	LP-45	520	260	---	---	---	---
	LP-45	LP-41	530	265	---	---	---	---
	LC-6	LP-47	---	---	635	315	---	---
	LP-47	LP-43	---	---	555	275	---	---
	LP-43	LP-39	---	---	550	275	---	---
	LC-6	LP-52	---	---	415	210	---	---
	LP-52	LP-55	---	---	315	160	---	---
	LP-55	LP-61	---	---	705	350	---	---
	LP-61	LP-64	---	---	505	255	---	---
	LC-6	LP-53	---	---	490	245	---	---
	LP-53	LP-57	---	---	555	280	---	---
	LP-57	LP-59	---	---	195	97	---	---
	LP-59	LP-63	---	---	435	215	---	---
	LC-6	LP-49	52	26	---	---	---	---
	LP-49	LP-46	320	160	---	---	---	---
	LP-46	LP-42	520	260	---	---	---	---
	LP-42	LP-38	535	265	---	---	---	---
	LC-6	LP-48	140	69	---	---	---	---
	LP-48	LP-44	465	235	---	---	---	---
	LP-44	LP-40	610	305	---	---	---	---
	LC-6	LP-54	---	---	540	270	---	---
	LP-54	LP-58	---	---	580	290	---	---
	LP-58	LP-62	---	---	555	275	---	---
	LC-6	LP-51	265	135	---	---	---	---
	LP-51	LP-56	640	320	---	---	---	---
	LP-56	LP-60	505	250	---	---	---	---
	LC-7	LP-74	565	280	---	---	---	---
	LP-74	LP-70	425	215	---	---	---	---
	LP-70	LP-66	445	220	---	---	---	---
	LC-7	LP-72	765	385	---	---	---	---
	LP-72	LP-68	460	230	---	---	---	---
	LC-7	LP-76	---	---	415	205	---	---

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ELECTRICAL WIRE, LIGHTING (LUMINAIRES) (CONT'D)

CATEGORY	LOCATION FROM	LOCATION TO	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	*655.0615 ELECTRICAL WIRE LIGHTING 10 AWG (GROUND) LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	*655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (GROUND) LF
0020 (CONT'D)	LP-76	LP-80	---	---	740	370	---	---
	LP-80	LP-84	---	---	805	405	---	---
	LC-7	LP-78	---	---	445	225	---	---
	LP-78	LP-82	---	---	940	470	---	---
	LC-7	LP-71	265	135	---	---	---	---
	LP-71	LP-67	505	250	---	---	---	---
	LC-7	LP-73	210	105	---	---	---	---
	LP-73	LP-69	500	250	---	---	---	---
	LP-69	LP-65	390	195	---	---	---	---
	LC-7	LP-75	---	---	---	---	83	41
	LP-75	LP-79	---	---	---	---	985	495
	LP-79	LP-83	---	---	---	---	825	410
	LC-7	LP-77	---	---	500	250	---	---
	LP-77	LP-81	---	---	885	445	---	---
		TOTALS	11,552	5,780	21,419	10,719	6,153	3,076
		ITEM TOTALS	17,332		32,138		9,229	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STREET LIGHTING SUMMARY

CATEGORY	LP NO.	STATION	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	SPV.0060.24 DECORATIVE LIGHT POLE AND LUMINAIRE EACH	SPV.0060.26 POLE 30-FOOT BLACK, 11 GAUGE EACH	SPV.0060.31 CONCRETE BASE TYPE LB-3 EACH	SPV.0060.44 LIGHTING FIXTURES TYPE-A EACH	*655.0610 ELECTRICAL WIRE LIGHTING (POLE LUMINAIRE) 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING (POLE LUMINAIRE) 12 AWG (GROUND) LF	*655.0610 ELECTRICAL WIRE LIGHTING (FESTOON OUTLETS) 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING (FESTOON OUTLETS) 12 AWG (GROUND) LF
0020	EXLP-1	58+95	35.2' LT	1	---	---	---	---	---	---	---	---
	EXLP-2	59+62	38.0' RT	1	---	---	---	---	---	---	---	---
	EXLP-3	60+24	32.3' LT	1	---	---	---	---	---	---	---	---
	EXLP-4	60+91	40.2' RT	1	---	---	---	---	---	---	---	---
	LP-5	10+86 N	30.8' RT	1	1	---	---	---	84	42	40	20
	LP-6	61+12	31.3' LT	1	1	---	---	---	84	42	40	20
	LP-7	9+38 N	24.8' RT	1	1	---	---	---	84	42	40	20
	LP-8	10+66 N	24.8' LT	1	1	---	---	---	84	42	40	20
	LP-9	62+44	39.4' RT	1	1	---	---	---	84	42	40	20
	LP-11	62+52	32.2' LT	1	1	---	---	---	84	42	40	20
	LP-12	64+14	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-13	63+87	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-14	65+26	39.2' RT	1	1	---	---	---	84	42	40	20
	LP-15	65+25	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-16	66+66	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-17	66+66	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-18	67+89	38.5' RT	1	1	---	---	---	84	42	40	20
	LP-19	67+88	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-20	69+26	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-21	69+26	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-22	70+55	38.4' RT	1	1	---	---	---	84	42	40	20
	LP-23	70+54	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-24	71+42	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-25	71+42	33.1' LT	1	1	---	---	---	84	42	40	20

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STREET LIGHTING SUMMARY (CONT'D)

CATEGORY	LP NO.	STATION	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	SPV.0060.24 DECORATIVE LIGHT POLE AND LUMINAIRE EACH	SPV.0060.26 POLE 30-FOOT BLACK, 11 GAUGE EACH	SPV.0060.31 CONCRETE BASE TYPE LB-3 EACH	SPV.0060.44 LIGHTING FIXTURES TYPE-A EACH	*655.0610 ELECTRICAL WIRE LIGHTING (POLE LUMINAIRE) 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING (POLE LUMINAIRE) 12 AWG (GROUND) LF	*655.0610 ELECTRICAL WIRE LIGHTING (FESTOON OUTLETS) 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING (FESTOON OUTLETS) 12 AWG (GROUND) LF
0020 (CONT'D)	LP-26	72+71	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-27	72+77	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-28	73+97	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-29	73+97	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-30	75+28	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-31	75+07	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-32	76+56	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-33	76+50	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-34	77+92	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-35	77+91	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-36	79+34	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-37	79+29	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-38	80+63	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-39	80+57	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-40	82+03	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-41	82+07	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-42	83+30	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-43	83+22	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-44	85+00	38.6' RT	1	1	---	---	---	84	42	40	20
	LP-45	84+64	33.1' LT	1	1	---	---	---	84	42	40	20
	LP-46	85+90	36.7' RT	1	1	---	---	---	84	42	40	20
	LP-47	85+90	35.1' LT	1	1	---	---	---	84	42	40	20
	LP-48	87+22	49.0' RT	1	1	---	---	---	84	42	40	20
	LP-49	10+55 D	24.6' RT	1	1	---	---	---	84	42	40	20
	LP-50	87+12	35.8' LT	1	1	---	---	---	84	42	40	20
	LP-51	88+17	35.9' RT	1	1	---	---	---	84	42	40	20
	LP-52	9+41 D	23.9' LT	1	1	---	---	---	84	42	40	20
	LP-53	88+26	35.8' LT	1	1	---	---	---	84	42	40	20
	LP-54	89+52	34.9' RT	1	1	---	---	---	84	42	40	20
	LP-55	89+34	35.8' LT	1	1	---	---	---	84	42	40	20
	LP-56	91+29	29.8' RT	1	1	---	---	---	84	42	40	20
	LP-57	90+95	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-58	92+32	29.8' RT	1	1	---	---	---	84	42	40	20
	LP-59	91+92	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-60	93+72	35.5' RT	1	1	---	---	---	84	42	40	20
	LP-61	9+56 S	23.4' LT	1	1	---	---	---	84	42	40	20
	LP-62	94+99	41.8' RT	1	1	---	---	---	84	42	40	20
	LP-63	93+72	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-64	94+99	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-65	96+27	41.8' RT	1	1	---	---	---	84	42	40	20
	LP-66	96+27	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-67	96+79	41.8' RT	1	1	---	---	---	84	42	40	20
	LP-68	9+60 L	25.5' LT	1	1	---	---	---	84	42	40	20
	LP-69	98+12	41.8' RT	1	1	---	---	---	84	42	40	20
	LP-70	98+19	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-71	99+22	41.8' RT	1	1	---	---	---	84	42	40	20
	LP-72	99+26	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-73	10+52 CE	35.8' RT	1	1	---	---	---	84	42	40	20
	LP-74	100+23	29.8' LT	1	1	---	---	---	84	42	40	20
	LP-75	10+55 CE	36.8' LT	1	1	---	---	---	84	42	40	20

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STREET LIGHTING SUMMARY (CONT'D)

CATEGORY	LP NO.	STATION	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	SPV.0060.24 DECORATIVE LIGHT POLE AND LUMINAIRE EACH	SPV.0060.26 POLE 30-FOOT BLACK, 11 GAUGE EACH	SPV.0060.31 CONCRETE BASE TYPE LB-3 EACH	SPV.0060.44 LIGHTING FIXTURES TYPE-A EACH	*655.0610 ELECTRICAL WIRE LIGHTING (POLE LUMINAIRE) 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING (POLE LUMINAIRE) 12 AWG (GROUND) LF	*655.0610 ELECTRICAL WIRE LIGHTING (FESTOON OUTLETS) 12 AWG LF	*655.0610 ELECTRICAL WIRE LIGHTING (FESTOON OUTLETS) 12 AWG (GROUND) LF
0020	LP-76	101+03	47.0' LT	1	1	---	---	---	84	42	40	20
(CONT'D)	LP-77	103+22	41.1' RT	---	---	1	1	1	72	36	---	---
	LP-78	102+19	29.5' LT	---	---	1	1	1	72	36	---	---
	LP-79	105+59	29.5' RT	---	---	1	1	1	72	36	---	---
	LP-80	104+43	29.5' LT	---	---	1	1	1	72	36	---	---
	LP-81	107+56	29.5' RT	---	---	1	1	1	72	36	---	---
	LP-82	106+89	29.5' LT	---	---	1	1	1	72	36	---	---
	LP-83	109+56	29.5' RT	---	---	1	1	1	72	36	---	---
	LP-84	108+13	29.5' LT	---	---	1	1	1	72	36	---	---
	EXLP-85	110+92	30.8' LT	---	---	---	---	---	---	---	---	---
			TOTALS	75	71	8	8	8	6540	3270	2840	1420
			ITEM TOTALS							9,810		4,260

*ADDITIIONAL QUANTITIES LISTED ELSEWHERE

SAWING ASPHALT

CATEGORY	STAGE	STATION	LOCATION	690.0150 LF
0010	STAGE 1	61+83 - 70+95	LT	310
		70+95 - 87+64	LT	755
		87+64 - 92+26	LT	140
		92+26 - 96+81	LT	39
		96+81 - 100+81	LT	135
		100+81 - 107+54	LT	60
		107+54 - 111+24	LT	200
		SUBTOTAL (STAGE 1 (0010))		1,639
	STAGE 2	87+64 - 92+26	RT	155
		92+26 - 96+81	RT	47
		100+81 - 107+54	RT	75
		107+54 - 111+24	RT	33
		SUBTOTAL (STAGE 2 (0010))		310
	STAGE 3	107+54 - 111+24	LT	64
		8+50 N - 10+00 N	LT	20
		8+50 N - 10+00 N	RT	72
		10+00 N -12+51 N	LT	20
		10+00 N -12+51 N	RT	47
		9+00 ST - 10+00 ST	LT	14
		9+00 ST - 10+00 ST	RT	14
		9+25 S - 10+00 S	LT	15
		9+25 S - 10+00 S	RT	11
		9+25 L - 10+00 L	LT	14

CONT'D TO RIGHT

SAWING ASPHALT (CONT'D)

CATEGORY	STAGE	STATION	LOCATION	690.0150 LF
0010	STAGE 3	9+25 L - 10+00 L	RT	14
(CONT'D)		7+00 D - 10+00 D	RT	63
		7+00 D - 10+00 D	LT	51
		8+71 CW - 10+00 CW	LT	14
		8+71 CW - 10+00 CW	RT	45
		8+62 P - 10+00 P	LT	28
		8+62 P - 10+00 P	RT	68
		SUBTOTAL (STAGE 3 (0010))		574
	STAGE 4	87+64 - 92+26	RT	285
		92+26 - 96+81	RT	310
		96+81 - 100+81	RT	---
		100+81 - 107+54	RT	69
		107+54 - 111+24	RT	57
		10+00 CE - 11+55 CE	RT	18
		10+00 CE - 11+55 CE	LT	18
		SUBTOTAL (STAGE 4 (0010))		757
		SUBTOTAL (0010)		3,280
0020	STAGE 1	7+00 D - 10+00 D	RT	46
		7+00 D - 10+00 D	LT	22
		SUBTOTAL (STAGE 1 (0020))		68

CONT'D TO RIGHT

SAWING ASPHALT (CONT'D)

CATEGORY	STAGE	STATION	LOCATION	690.0150 LF
0020	STAGE 4	10+00 D - 12+66 D	RT	68
(CONT'D)		10+00 D - 12+66 D	LT	60
		SUBTOTAL (STAGE 4 (0020))		128
		SUBTOTAL (0020)		196
0040	STAGE 1	70+95 - 87+64	LT	180
		SUBTOTAL (STAGE 1 (0040))		180
	STAGE 4	92+26 - 96+81	RT	310
		SUBTOTAL (STAGE 4 (0040))		310
		SUBTOTAL (0040)		490
		TOTAL		3,966

SAWING CONCRETE

CATEGORY	STAGE	STATION	LOCATION	690.0250 LF*
0010	STAGE 1	61+83 - 70+95	LT	32
		70+95 - 87+64	LT	125
		87+64 - 92+26	LT	8
		96+81 - 100+81	LT	35
		100+81 - 107+54	LT	78
		107+54 - 111+24	LT	5
		SUBTOTAL (STAGE 1 (0010))		283
	STAGE 2	58+90 - 61+83	RT	410
		61+83 - 70+95	RT	900
		70+95 - 87+64	RT	1,670
		87+64 - 92+26	RT	485
		92+26 - 96+81	RT	465
		96+81 - 100+81	RT	425
		100+81 - 107+54	RT	675
		107+54 - 111+24	RT	370
		SUBTOTAL (STAGE 2 (0010))		5,400
	STAGE 3	58+90 - 61+83	RT	320
		58+90 - 61+83	LT	50
		61+83 - 70+95	RT	910
		70+95 - 87+64	RT	1,670
		87+64 - 92+26	RT	460
		92+26 - 96+81	RT	455
		96+81 - 100+81	RT	400
		100+81 - 107+54	RT	675
		107+54 - 111+24	RT	340
		8+50 N - 10+00 N	LT	3
		8+50 N - 10+00 N	RT	3
		10+00 N -12+51 N	LT	8
		10+00 N -12+51 N	RT	8
		9+00 ST - 10+00 ST	LT	3
		9+00 ST - 10+00 ST	RT	3
		9+25 S - 10+00 S	LT	3
		9+25 S - 10+00 S	RT	3
		9+25 L - 10+00 L	LT	3
		9+25 L - 10+00 L	RT	3
		8+71 CW - 10+00 CW	LT	3
		8+71 CW - 10+00 CW	RT	49
		8+62 P - 10+00 P	LT	3
		8+62 P - 10+00 P	RT	7
		SUBTOTAL (STAGE 3 (0010))		5,382
	STAGE 4	87+64 - 92+26	RT	3
		92+26 - 96+81	RT	33
		10+00 CE - 11+55 CE	RT	8
		10+00 CE - 11+55 CE	LT	8
		SUBTOTAL (STAGE 4 (0010))		52
		UNDISTRIBUTED	SIDEWALK CROSSINGS	4,200
		SUBTOTAL (0010)		15,317
0020	STAGE 1	7+00 D - 10+00 D	RT	12
		SUBTOTAL (STAGE 1 (0020))		12

CONT'D ABOVE

SAWING CONCRETE (CONT'D)

CATEGORY	STAGE	STATION	LOCATION	690.0250 LF*
0020 (CONT'D)	STAGE 3	7+00 D - 10+00 D	RT	3
		7+00 D - 10+00 D	LT	8
		SUBTOTAL (STAGE 3 (0020))		11
	STAGE 4	10+00 D - 12+66 D	RT	3
		SUBTOTAL (STAGE 4 (0020))		3
		SUBTOTAL (0020)		26
0040	STAGE 1	70+95 - 87+64	LT	23
		SUBTOTAL (STAGE 1 (0040))		23
	STAGE 4	92+26 - 96+81	RT	8
		SUBTOTAL (STAGE 4 (0040))		8
		SUBTOTAL (0040)		31
			TOTAL	15,374

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SALVAGE AND REPLACE CITY OF MADISON LIGHT POLE AND LUMINAIRE

CATEGORY	STATION	LOCATION	SPV.0060.14 EACH
0020	110+92	30.8 'LT	1

ADJUSTING MONITORING WELL CAPS

CATEGORY	STATION	LOCATION	SPV.0060.15 EACH
0040	91+37.6	39.9 'LT	1
	95+21.7	45.5 'LT	1
		TOTAL	2

CONSTRUCTION STAKING CURB RAMP LAYOUT

CATEGORY	LOCATION	SPV.0060.19 EACH	REMARK
0010	NICHOLS/PFLAUM	8	
	ST. TERESA	5	
	DEAN	8	
	SPRINGHAVEN	4	
	LOFTY	5	
	COLDSPRING	8	
	PARKWAY	2	
	(SUBTOTAL (0010))	40	
0020	UNDISTRIBUTED	4	PARKING LOTS
	(SUBTOTAL (0020))	4	
0040	UNDISTRIBUTED	3	PARKING LOTS
	(SUBTOTAL (0040))	3	
	TOTAL	47	

STORM SEWER TAP

CATEGORY	STATION	LOCATION	SPV.0060.18 EACH
0010	111+22.8	27.5 'LT	1
	13+29.5 HS	15.9 'RT	1
		TOTAL	2

SALVAGE AND REPLACE TRASH RECEPTACLE

CATEGORY	STATION	LOCATION	SPV.0060.17 EACH
0020	60+72.5	48.0 'RT	1

SALVAGE AND REPLACE BENCH

CATEGORY	STATION	LOCATION	SPV.0060.16 EACH
0020	60+84.0	48.3 'RT	1

LOCATE AND REESTABLISH SECTION CORNER MONUMENTS

CATEGORY	STATION	OFFSET	SPV.0060.71 EACH
0010	61+02.8	5.1' LT	1
	87+61.7	0.1' LT	1
		TOTAL	2

SLOW RELEASE WATERING BAG

CATEGORY	STATION	OFFSET	SPV.0060.78 *EACH	REMARKS
0040	58+90 - 111+24	RT/LT	219	INSTALL AT EACH TREE LOCATION

* REFER TO LANDSCAPE PLANS FOR ADDITIONAL INFORMATION

MANHOLE STRUCTURE 500

CATEGORY	STATION	OFFSET	SPV.0060.72 EACH
0010	65+17	36.8' LT	1

CONCRETE MEDIANS

CATEGORY	STATION - STATION	LOCATION	SPV.0090.06 CONCRETE RAISED MEDIAN NOSE SPECIAL LF	SPV.0090.07 CONCRETE RAISED MEDIAN NOSE SPECIAL REJECT LF	SPV.0090.08 CONCRETE RAISED MEDIAN SPECIAL LF	SPV.0090.01 CONCRETE PAVEMENT JOINT SEALING LF
0010	58+90 - 61+83	MEDIAN	---	150	---	150
	61+83 - 70+95	MEDIAN	290	---	---	290
	70+95 - 87+64	MEDIAN	365	---	---	360
	87+64 - 92+26	MEDIAN	---	73	---	73
	92+26 - 96+81	MEDIAN	---	---	135	195
	96+81 - 100+81	MEDIAN	73	---	---	73
	100+81 - 107+54	MEDIAN	150	---	---	150
		TOTALS	878	223	135	1,291

CONSTRUCTION STAKING CONCRETE SIDEWALK - STAGE 1, PHASE 2

CATEGORY	STATION - STATION	LOCATION	SPV.0090.09 LF
0020	61+83 - 70+95	LT	905
	70+95 - 87+64	LT	1,670
	87+64 - 92+26	LT	625
	92+26 - 96+81	LT	380
	96+81 - 100+81	LT	330
	100+81 - 107+54	LT	585
	107+54 - 111+24	LT	375
		TOTAL	4,870

STONE VENEER WALL

CATEGORY	LOCATION	STATION	OFFSET	LOCATION	SPV.0060.47 EACH	CUBIC YARDS OF CONCRETE*	POUNDS OF #4 REBAR*	SQUARE FEET OF STONE VENEER*	LINEAR FEET OF STONE CAP*	LENGTH	HEIGHT	WALL TEXT DESCRIPTION
0020	WALL 1	61+18.29	60.35' RT	CENTER OF 4'5" HT SECTION END	1	3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	MONONA DRIVE
		61+02.98	60.12' RT	CENTER OF 2'9" HT SECTION END		3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	
	WALL 2	10+69.14 N	58.90' RT	CENTER OF 4'5" HT SECTION END	1	3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	PFLAUM ROAD
		10+86.50 N	55.80' RT	CENTER OF 2'9" HT SECTION END		3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	
	WALL 3	9+44.75 D	36.01' LT	CENTER OF 4'5" HT SECTION END	1	3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	DEAN AVENUE
		9+29.80 D	34.81' LT	CENTER OF 2'9" HT SECTION END		3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	
	WALL 4	88+05.29	51.04' LT	CENTER OF 4'5" HT SECTION END	1	3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	MONONA DRIVE
		88+20.29	51.04' LT	CENTER OF 2'9" HT SECTION END		3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	
	WALL 5	9+53.65 L	25.58' LT	CENTER OF 4'5" HT SECTION END	1	3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	LOFTY AVENUE **
		9+38.65 L	25.58' LT	CENTER OF 2'9" HT SECTION END		3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	
	WALL 6	100+43.44	60.64' RT	CENTER OF 4'5" HT SECTION END	1	3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	MONONA DRIVE
		100+28.44	60.64' RT	CENTER OF 2'9" HT SECTION END		3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	
	WALL 7	10+63.44 CE	35.58' RT	CENTER OF 4'5" HT SECTION END	1	3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	COLDSPRING AVENUE
		10+78.44 CE	35.58' RT	CENTER OF 2'9" HT SECTION END		3.5	289	102	15-FT, 8-IN	15-FT	4-FT, 5-IN, STEPPED	
				TOTAL	7							

* = FOR INFORMATION ONLY

** = BOTH SIDES OF THE WALL

TEMPORARY SURFACE SAME DAY

CATEGORY	STATION	LOCATION	SPV.0180.08 SY
0010	75+15	RT/LT	60
	76+95	RT/LT	75
		TOTAL	135

TEMPORARY CROSSWALK ACCESS

CATEGORY	LOCATION	SPV.0105.03 LS	SPV.0105.04 LS	SPV.0105.05 LS	SPV.0105.06 LS	SPV.0105.07 LS	SPV.0105.08 LS	SPV.0105.09 LS	SPV.0105.10 LS
0010	MONONA DRIVE & NICHOLS ROAD	1	---	---	---	---	---	---	---
	MONONA DRIVE & ST. TERESA TERRACE	---	1	---	---	---	---	---	---
	MONONA DRIVE & DEAN AVENUE	---	---	1	---	---	---	---	---
	MONONA DRIVE & SPRINGHAVEN AVENUE	---	---	---	1	---	---	---	---
	MONONA DRIVE & LOFTY AVENUE	---	---	---	---	1	---	---	---
	MONONA DRIVE & COLDSPRING AVENUE	---	---	---	---	---	1	---	---
	MONONA DRIVE & PARKWAY STREET	---	---	---	---	---	---	1	---
	MONONA DRIVE & WINNEQUAH ROAD	---	---	---	---	---	---	---	1
	TOTALS	1	1	1	1	1	1	1	1

SAWING CURB HEAD

CATEGORY	STAGE	STATION	LOCATION	SPV.0090.20 LF
0020	STAGE 1	61+83 - 70+95	LT	15
		70+95 - 87+64	LT	75
		87+64 - 92+26	LT	20
		96+81 - 100+81	LT	25
		100+81 - 107+54	LT	20
		100+81 - 107+54	RT	8
			TOTAL	163

PROTECTION OF PRIVATE SPRINKLER SYSTEMS

CATEGORY	STATION - STATION	LOCATION	SPV.0090.10 LF
0020	64+35 - 65+52	LT	120
	68+73 - 69+59	LT	86
		TOTAL	206

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.73 *EACH
0010	UNDISTRIBUTED	50

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PARKING LOT EMULSION SEALCOAT

CATEGORY	STATION	LOCATION	SPV.0180.01 SY
0020	62+50	LT	25
	67+87	LT	140
	71+84	LT	100
	75+18	LT	90
	77+36	LT	300
	86+00	LT	440
	98+14	LT	30
	98+56	LT	30
		TOTAL	1,155

SALVAGE AND REPLACE LANDSCAPING MULCH

CATEGORY	STATION	OFFSET	SPV.0180.02 SY
0020	59+86	48.0' RT	2
	69+14	91.4' LT	30
	79+24	36.7' LT	25
	80+65	48.3' LT	3
	81+23	50.4' LT	2
	89+77	63.8' RT	3
	97+62	44.6' LT	1
		TOTAL	66

SALVAGE AND REPLACE LANDSCAPING STONE

CATEGORY	STATION	OFFSET	SPV.0180.03 SY
0020	66+11	39.5' LT	5
	79+55	41.0' LT	30
	91+50	36.1' RT	45
	93+82	40.4' RT	100
	94+16	89.4' RT	6
	8+90 ST	43.6' LT	15
	7+45 D	30.5' LT	10
	7+92 D	29.8' LT	6
	8+45 D	44.6' LT	100
		TOTAL	317

SALVAGE AND REPLACE BRICK PAVERS

CATEGORY	STATION	OFFSET	SPV.0165.04 SF
0020	84+63	57.6' RT	80

WALL MODULAR BLOCK GRAVITY SPECIAL

CATEGORY	STATION	OFFSET	SPV.0165.05 SF
0020	9+13 D	44.5' RT	20

TREES

CATEGORY	BID ITEM NO.	NAME	TOTALS
0020	632.0101.01	AMUR MAACKIA, 'STARBURST', B&B, 2 - INCH CAL.	4
	632.0101.02	BIRCH, WHITESPIRE (SHRUB FORM TREE), B&B , 8 - FOOT HT.	4
	632.0101.03	COFFEETREE, B&B, 2 1/2 - INCH CAL.	1
	632.0101.04	COFFEETREE, 'ESPRESSO', B&B, 2 1/2 - INCH CAL.	2
	632.0101.05	ELM, 'FRONTIER', B&B, 2 1/2 - INCH CAL.	18
	632.0101.06	ELM, 'REGAL', B&B, 2 1/2 - INCH CAL.	12
	632.0101.07	ELM, 'VALLEY FORGE', B&B, 2 1/2 - INCH CAL.	1
	632.0101.08	GINKGO, 'AUTUMN GOLD', B&B, 2 1/2 - INCH CAL.	12
	632.0101.09	GINKGO, 'PRINCETON SENTRY', B&B, 2 1/2 - INCH CAL.	5
	632.0101.10	HACKBERRY, B&B, 2 1/2 - INCH CAL.	2
	632.0101.11	HACKBERRY, 'CHICAGOLAND', B&B, 2 1/2 - INCH CAL.	24
	632.0101.12	HONEYLOCUST, 'SKYLINE', B&B, 2 1/2 - INCH CAL.	10
	632.0101.13	HONEYLOCUST, 'SUNBURST', B&B, 2 1/2 - INCH CAL.	3
	632.0101.14	HORSECHESTNUT, 'FT. MCNAIR', B&B, 2 1/2 - INCH CAL.	4
	632.0101.15	LINDEN, AMERICAN 'SENTRY', B&B, 2 1/2 - INCH CAL.	10
	632.0101.16	MAPLE, 'ARMSTRONG', B&B, 2 1/2 - INCH CAL.	2
	632.0101.17	MAPLE, 'CELEBRATION', B&B, 2 1/2 - INCH CAL.	7
	632.0101.19	MAPLE, 'SIENNA GLENN', B&B, 2 1/2 - INCH CAL.	1
	632.0101.20	OAK, 'REGAL PRINCE', B&B, 2 1/2 - INCH CAL.	15
	632.0101.21	OAK, SWAMP WHITE, B&B, 2 1/2 - INCH CAL.	1
	632.0101.22	PEAR, 'CLEVELAND SELECT', B&B, 2 1/2 - INCH CAL.	35
	632.0101.23	CRABAPPLE, 'ROYAL RAINDROPS', B&B, 2 - INCH CAL.	3
	632.0101.24	HAWTHORN, 'WINTER KING', B&B, 2 - INCH CAL.	3
	632.0101.25	LILAC, 'SUMMER SNOW', B&B, 2 - INCH CAL.	14
0030	632.0101.08	GINKGO, 'AUTUMN GOLD', B&B, 2 1/2 - INCH CAL.	2
	632.0101.11	HACKBERRY, 'CHICAGOLAND', B&B, 2 1/2 - INCH CAL.	4
	632.0101.12	HONEYLOCUST, 'SKYLINE', B&B, 2 1/2 - INCH CAL.	6
	632.0101.25	LILAC, 'SUMMER SNOW', B&B, 2 - INCH CAL.	2
	632.0101.26	PEAR, KOREAN SUN, B&B, 2 - INCH CAL.	1
	632.0101.27	JUNIPER, BROADMOOR, CONTAINER, 18 - INCH HT.	5
0040	632.0101.18	MAPLE, RED 'BURGUNDY BELLE', B&B, 2 1/2 - INCH CAL.	4
	632.0101.26	PEAR, KOREAN SUN, B&B, 2 - INCH CAL.	2

BULBS

CATEGORY	BID ITEM NO.	NAME	TOTALS
0020	SPV.0060.50	BULBS, DAFFODIL MIX, DN1	278

SHRUBS

CATEGORY	BID ITEM NO.	NAME	TOTALS
0020	632.0201.05	NINEBARK, 'SUMMER WINE', CONTAINER, 24 - INCH HT.	18
	632.0201.06	ROSE, 'DWARF PAVEMENT', CONTAINER, 24 - INCH HT.	6
	632.0201.11	SPIREA, 'MAGIC CARPET', CONTAINER, 18 - INCH HT.	12
	632.0201.12	SERVICEBERRY, 'REGENT' , CONTAINER, 24 - INCH HT.	7
	632.0201.14	VIBURNUM, KOREANSPICE COMPACT, CONTAINER, 24 - INCH HT.	3
0030	632.0201.01	BURNING BUSH, 'RUDY HAAG', CONTAINER, 18 - INCH HT.	12
	632.0201.02	CHOKEBERRY, BLACK 'IROQUOIS BEAUTY', CONTAINER, 18 - INCH HT.	29
	632.0201.03	HONEYSUCKLE, DWARFBUSH 'JEWELL', CONTAINER, 18 - INCH HT.	39
	632.0201.04	LILAC, MEYERI, CONTAINER, 24 - INCH HT.	32
	632.0201.05	NINEBARK, 'SUMMER WINE', CONTAINER, 24 - INCH HT.	3
	632.0201.06	ROSE, 'DWARF PAVEMENT', CONTAINER, 24 - INCH HT.	51
	632.0201.07	ROSE, 'FRAU DAGMAR HASTRUP', CONTAINER, 24 - INCH HT.	5
	632.0201.08	SPIREA, BIRCHLEAF 'TOR', CONTAINER, 18 - INCH HT.	52
	632.0201.09	SPIREA, JAPANESE 'FROEBEL', CONTAINER, 24 - INCH HT.	28
	632.0201.10	SPIREA, KOREAN, CONTAINER, 18 - INCH HT.	119
	632.0201.11	SPIREA, 'MAGIC CARPET', CONTAINER, 18 - INCH HT.	47
	632.0201.13	ST. JOHN'S WORT, KALM'S, CONTAINER, 18 - INCH HT.	18

PERENNIALS

CATEGORY	BID ITEM NO.	NAME	TOTALS
0020	SPV.0060.51	CARNATION, 'ARCTIC FIRE', CONTAINER, 1 - GAL.	39
	SPV.0060.52	CHIVE, ORNAMENTAL 'PINK GIANT', CONTAINER, 1 - GAL.	82
	SPV.0060.54	CONEFLOWER, DWARF ORANGE 'LITTLE SUZY', CONTAINER, 1 - GAL.	138
	SPV.0060.56	CORAL BELLS, 'PALACE PURPLE', CONTAINER, 1 - GAL.	15
	SPV.0060.57	DAYLILY, 'LITTLE BUSINESS', CONTAINER, 1 - GAL.	67
	SPV.0060.58	DAYLILY, 'STELLA DE ORO', CONTAINER, 1 - GAL.	15
	SPV.0060.59	FEATHER REED GRASS, 'KARL FOERSTER', CONTAINER, 1 - GAL.	21
	SPV.0060.60	GAYFEATHER, SPIKED 'KOBOLD', CONTAINER, 1 - GAL.	7
	SPV.0060.61	GERANIUM, 'BIOKOVO KARMINA', CONTAINER, 1 - GAL.	34
	SPV.0060.62	LITTLE BLUESTEM, 'THE BLUES', CONTAINER, 1 - GAL.	20
	SPV.0060.63	MOOR GRASS, AUTUMN, CONTAINER, 1 - GAL.	5
	SPV.0060.65	RUSSIAN SAGE, 'LITTLE SPIRE', CONTAINER, 1 -GAL.	21
	SPV.0060.66	SALVIA, 'MAY NIGHT', CONTAINER, 1 - GAL.	56
	SPV.0060.67	SEDUM, 'AUTUMN FIRE', CONTAINER, 1 - GAL.	9
	SPV.0060.68	SEDGE, 'BLUE ZINGER', CONTAINER, 1 -GAL.	293
	SPV.0060.64	SWITCHGRASS, 'SHENANDOAH', CONTAINER, 1 - GAL.	60
0030	SPV.0060.53	CHIVE, ORNAMENTAL 'SUMMER BEAUTY', CONTAINER, 1 - GAL.	44
	SPV.0060.59	FEATHER REED GRASS, 'KARL FOERSTER', CONTAINER, 1 - GAL.	166
	SPV.0060.62	LITTLE BLUESTEM, 'THE BLUES', CONTAINER, 1 - GAL.	201
	SPV.0060.63	MOOR GRASS, AUTUMN, CONTAINER, 1 - GAL.	12
	SPV.0060.55	SWITCHGRASS, 'HEAVY METAL', CONTAINER, 1 - GAL.	39

SHOVEL CUT EDGING

CATEGORY	ROADWAY	LOCATION	SPV.0090.19 SHOVEL CUT EDGING LF
0020	Monona Drive	BED 1	152
	Monona Drive	BED 12	45
	Monona Drive	BED 13	57
	Monona Drive	BED 20	92
	Monona Drive	BED 22	67
		Subtotal	413
0030	Monona Drive	BED 2	0
	Monona Drive	BED 4	4
	Monona Drive	BED 5	6
	Monona Drive	BED 6	0
	Monona Drive	BED 7	2
	Monona Drive	BED 8	4
	Monona Drive	BED 9	15
	Monona Drive	BED 10	4
	Monona Drive	BED 11	17
	Monona Drive	BED 14	0
	Monona Drive	BED 15	0
	Monona Drive	BED 16	0
	Monona Drive	BED 17	0
	Monona Drive	BED 19	17
	Monona Drive	BED 21	21
	Monona Drive	BED 23	17
		Subtotal	107
		TOTALS	520

SHREDDED HARDWOOD BARK MULCH

CATEGORY	ROADWAY	LOCATION	SPV.0180.07 SHREDDED HARDWOOD BARK MULCH SY
0020	Monona Drive	BED 1	121
	Monona Drive	BED 12	48
	Monona Drive	BED 13	54
	Monona Drive	BED 20	76
	Monona Drive	BED 22	57
		Subtotal	356
0030	Monona Drive	BED 2	18
	Monona Drive	BED 4	32
	Monona Drive	BED 5	78
	Monona Drive	BED 6	192
	Monona Drive	BED 7	20
	Monona Drive	BED 8	52
	Monona Drive	BED 9	42
	Monona Drive	BED 10	83
	Monona Drive	BED 11	3
	Monona Drive	BED 14	4
	Monona Drive	BED 15	4
	Monona Drive	BED 16	4
	Monona Drive	BED 17	4
	Monona Drive	BED 19	4
	Monona Drive	BED 21	15
	Monona Drive	BED 23	3
		Subtotal	558
		TOTALS	914

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

CATEGORY	ROADWAY	LOCATION	632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH
0020	Monona Drive	ALL	26
		TOTALS	26

PLANTING MIXTURE

CATEGORY	ROADWAY	LOCATION	SPV.0035.01 PLANTING MIXTURE CY
0020	Monona Drive	BED 1	81
	Monona Drive	BED 12	31
	Monona Drive	BED 13	38
	Monona Drive	BED 20	50
	Monona Drive	BED 22	38
		Subtotal	238
0030			
	Monona Drive	BED 2	12
	Monona Drive	BED 4	22
	Monona Drive	BED 5	52
	Monona Drive	BED 6	128
	Monona Drive	BED 7	13
	Monona Drive	BED 8	35
	Monona Drive	BED 9	28
	Monona Drive	BED 10	55
	Monona Drive	BED 11	2
	Monona Drive	BED 14	3
	Monona Drive	BED 15	3
	Monona Drive	BED 16	3
	Monona Drive	BED 17	3
	Monona Drive	BED 19	2
	Monona Drive	BED 21	10
	Monona Drive	BED 23	2
		Subtotal	373
		TOTALS	611

TOPSOIL SPECIAL

CATEGORY	ROADWAY	LOCATION	SPV.0035.02 TOPSOIL SPECIAL CY
0020	Monona Drive	PER PLANS	771
		Subtotal	771
0040	Monona Drive	MG High School	30
		Subtotal	30
		TOTALS	801

BENCH

CATEGORY	ROADWAY	LOCATION	SPV.0060.48 BENCH EA
0020	Monona Drive	PER PLANS	5
		TOTALS	5

TRASH RECEPTACLE

CATEGORY	ROADWAY	LOCATION	SPV.0060.49 TRASH RECEPTACLE EA
0020	Monona Drive	PER PLANS	5
		TOTALS	5

3

SANITARY SEWER LATERAL SUMMARY

PROJECT	CATEGORY	STATION	LATERAL DIRECTION	SPV.0090.13 SANITARY SEWER LATERAL PVC, 6-INCH LF	SPV.0090.25 SANITARY SEWER LATERAL PVC 8-INCH LF	SPV.0090.26 CITY OF MADISON SANITARY SEWER LATERAL PVC, 6-INCH LF	SPV.0060.81 SANITARY LATERAL ELECTRONIC MARKERS EACH
5994-00-77	0010	66+76	WEST	10	---	---	---
		68+03	WEST	10	---	---	---
		68+42	WEST	10	---	---	---
		69+09	WEST	10	---	---	---
		69+42	WEST	10	---	---	---
		70+21	WEST	10	---	---	---
		71+55	WEST	10	---	---	---
		72+28	WEST	10	---	---	---
		72+73	WEST	10	---	---	---
		73+35	WEST	---	15	---	---
		73+94	WEST	10	---	---	---
		74+65	WEST	10	---	---	---
		75+66	WEST	10	---	---	---
		76+27	WEST	10	---	---	---
		76+55	WEST	10	---	---	---
		77+71	WEST	10	---	---	---
		77+76	WEST	10	---	---	---
		77+87	WEST	10	---	---	---
		78+77	WEST	10	---	---	---
		78+97	WEST	10	---	---	---
		80+07	WEST	10	---	---	---
		80+61	WEST	10	---	---	---
		81+30	WEST	10	---	---	---
		81+45	WEST	10	---	---	---
		82+46	WEST	10	---	---	---
		84+58	WEST	10	---	---	---
		84+96	WEST	10	---	---	---
		85+77	WEST	11	---	---	---
		88+99	WEST	14	---	---	---
		89+93	WEST	12	---	---	---
		91+53	WEST	10	---	---	---
		91+63	WEST	10	---	---	---
		92+69	WEST	10	---	---	---
		93+28	WEST	10	---	---	---
		93+61	WEST	10	---	---	---
		94+26	WEST	10	---	---	---
		94+87	WEST	10	---	---	---
		95+43	WEST	10	---	---	---
		95+74	WEST	10	---	---	---
		96+05	WEST	10	---	---	---
		97+30	WEST	10	---	---	---
		98+15	WEST	10	---	---	---
		99+55	WEST	10	---	---	---
		99+96	WEST	10	---	---	---
		100+46	WEST	10	---	---	---
		101+53	WEST	10	---	---	---
		101+87	WEST	10	---	---	---
		102+08	WEST	10	---	---	---
		102+54	WEST	10	---	---	---

CONT'D ABOVE

SANITARY SEWER LATERAL SUMMARY (CONT'D)

PROJECT	CATEGORY	STATION	LATERAL DIRECTION	SPV.0090.13 SANITARY SEWER LATERAL PVC, 6-INCH LF	SPV.0090.25 SANITARY SEWER LATERAL PVC 8-INCH LF	SPV.0090.26 CITY OF MADISON SANITARY SEWER LATERAL PVC, 6-INCH LF	SPV.0060.81 SANITARY LATERAL ELECTRONIC MARKERS EACH
5994-00-77	0010 (CONT'D)	103+63	WEST	12	---	---	---
		104+20	WEST	10	---	---	---
		104+21	WEST	10	---	---	---
		105+62	WEST	10	---	---	---
		105+99	WEST	10	---	---	---
		7+44 D	SOUTH	13	---	---	---
		7+91 D	NORTH	35	---	---	---
		8+56 D	SOUTH	9	---	---	---
		8+90 D	SOUTH	9	---	---	---
		8+92 D	NORTH	38	---	---	---
		SUBTOTAL (0010)		619	15	0	0
	0020	84+65	EAST	---	---	64	2
		10+61 D	SOUTH	---	---	28	1
		11+77 D	SOUTH	---	---	25	2
		SUBTOTAL (0020)		0	0	117	5
			TOTAL	619	15	117	5

UTILITY LINE OPENING (ULO)

PROJECT	CATEGORY	LOCATION	SPV.0060.73 *EACH
5994-00-77	0010	UNDISTRIBUTED	5
	SUBTOTAL (0010)		5
	0020	UNDISTRIBUTED	3
	SUBTOTAL (0020)		3
	TOTAL		8

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING MANHOLES

PROJECT	CATEGORY	STATION	OFFSET	204.0210 *EACH
5994-00-77	0020	60+83	42.1' RT	1
		60+96	16.3' RT	1
		10+67 D	16.7' RT	1
		TOTAL		3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ADJUSTING MANHOLE COVERS

PROJECT	CATEGORY	STATION	OFFSET	611.8110 *EACH
5994-00-77	0010	59+04	19.9' LT	1
		SUBTOTAL (0010)		1
	0020	91+43	44.0' RT	1
		93+86	41.9' RT	1
		96+56	42.7' RT	1
		101+85	51.7' RT	1
		104+23	61.5' RT	1
		SUBTOTAL (0020)		5
		TOTAL		6

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SANITARY MANHOLE SUMMARY

PROJECT	CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.37 SANITARY MANHOLE EACH	SPV.0060.38 SANITARY MANHOLE COVER EACH	SPV.0060.69 SANITARY TAP CITY OF MADISON EACH	SPV.0060.46 SANITARY SEWER INTERNAL CHIMNEY SEAL, CITY OF MADISON EACH	SPV.0060.78 SANITARY SEWER ACCESS STRUCTURE (4' DIAMETER), MADISON TYPE EACH	SPV.0060.79 SANITARY SEWER ACCESS STRUCTURE (6' DIAMETER) MMSD TYPE EACH	SPV.0200.01 CONSTRUCT OUTSIDE DROP (8" SDR-35) VF
5994-00-77	0010	MH SAN-26	60+97	15.0' LT	1	1	---	---	---	---	---
		MH SAN-28	61+80	17.5' LT	1	1	---	---	---	---	---
		MH SAN-30	64+39	25.3' LT	1	1	---	---	---	---	---
		MH SAN-32	67+89	25.3' LT	1	1	---	---	---	---	---
		MH SAN-34	70+89	25.3' LT	1	1	---	---	---	---	---
		MH SAN-36	71+55	25.3' LT	1	1	---	---	---	---	---
		MH SAN-37	73+35	25.3' LT	1	1	---	---	---	---	---
		MH SAN-38	75+55	25.3' LT	1	1	---	---	---	---	---
		MH SAN-40	79+55	25.3' LT	1	1	---	---	---	---	---
		MH SAN-41	83+50	25.3' LT	1	1	---	---	---	---	---
		MH SAN-45	87+50	25.3' LT	1	1	---	---	---	---	---
		MH SAN-47	90+10	22.0' LT	1	1	---	---	---	---	---
		MH SAN-48	92+75	22.0' LT	1	1	---	---	---	---	---
		MH SAN-50	96+10	22.0' LT	1	1	---	---	---	---	---
		MH SAN-52	97+20	22.0' LT	1	1	---	---	---	---	---
		MH SAN-54	99+00	22.0' LT	1	1	---	---	---	---	---
		MH SAN-56	102+00	22.0' LT	1	1	---	---	---	---	---
		MH SAN-58	104+40	22.0' LT	1	1	---	---	---	---	---
		MH SAN-60	107+43	22.0' LT	1	1	---	---	---	---	---
		MH SAN-46	7+04 D	10.1' RT	1	1	---	---	---	---	---
		SUBTOTALS (0010)			20	20	0	0	0	0	0
	0020	MH SAN-27	60+97	42' RT	---	---	1	1	1	---	2.3
		MH SAN-62	10+61 D	5.2' RT	---	---	1	1	1	---	---
		MH SAN-64	12+25 D	3.0' RT	---	---	1	1	---	1	---
		MH SAN-65	87+47	33.4' LT	---	---	---	1	1	---	---
		MH SAN-66	12+25 D	27.0' LT	---	---	1	1	1	---	---
		SUBTOTAL (0020)			0	0	4	5	4	1	2.3
		TOTALS			20	20	4	5	4	1	2.3

BACKFILL GRANULAR

PROJECT	CATEGORY	STATION - STATION	LOCATION	209.0100 *CY
5994-00-77	0010	UNDISTRIBUTED	---	12,000
		SUBTOTAL (0010)		12,000
	0020	60+83 - 60+97	RT	64
		9+75 D - 12+25 D	RT/LT	372
		SUBTOTAL (0020)		436
			TOTAL	12,436

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MOBILIZATION

PROJECT	CATEGORY	619.1000 *EACH
5994-00-77	0010	0.09
	SUBTOTAL (0010)	0.09
	0020	0.01
	SUBTOTAL (0020)	0.01
	TOTAL	0.1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SANITARY SEWER ROCK EXCAVATION

PROJECT	CATEGORY	STATION - STATION	LOCATION	SPV.0090.23 LF
5994-00-77	0010	82+00 - 102+00	LT	2,000
		SUBTOTAL (0010)		2,000
	0020	7+00 D - 9+75 D	RT	275
		9+75 D - 12+00 D	RT	225
		SUBTOTAL (0020)		500
		TOTAL		2,500

SANITARY SEWER MAIN SUMMARY

PROJECT	CATEGORY	FROM STRUCTURE	TO STRUCTURE	SPV.0090.11 SANITARY SEWER MAIN PVC, 8-INCH LF	SPV.0090.12 SANITARY SEWER MAIN PVC, 10-INCH LF	SPV.0060.70 COMPRESSION COUPLING, CITY OF MADISON EACH	SPV.0090.22 SANITARY SEWER MAIN, POLYVINYL CHLORIDE (PVC), 8-INCH, SDR-26 LF
5994-00-77	0010	MH-EX	MH SAN-26	---	194	---	---
		MH SAN-26	MH SAN-28	---	83	---	---
		MH SAN-28	EXISTING	---	46	---	---
		MH SAN-30	EXISTING	10	---	---	---
		MH SAN-30	MH SAN-32	350	---	---	---
		MH SAN-32	MH SAN-34	300	---	---	---
		MH SAN-36	MH SAN-38	400	---	---	---
		MH SAN-38	MH SAN-40	400	---	---	---
		MH SAN-40	MH SAN-41	395	---	---	---
		MH SAN-41	MH SAN-45	400	---	---	---
		MH SAN-45	MH SAN-47	260	---	---	---
		MH SAN-47	MH SAN-48	265	---	---	---
		MH SAN-48	MH SAN-50	335	---	---	---
		MH SAN-52	MH SAN-54	180	---	---	---
		MH SAN-54	MH SAN-56	300	---	---	---
		MH SAN-56	MH SAN-58	240	---	---	---
		MH SAN-58	MH SAN-60	303	---	---	---
		MH SAN-60	EXISTING	10	---	---	---
		MH SAN-45	MH SAN-46	271	---	---	---
		SUBTOTAL (0010)		4,419	323	0	0
	0020	EXISTING	MH SAN 27	---	---	1	15
		MH SAN-27	MH SAN-26	---	---	---	58
		MH SAN-45	MH SAN-65	---	---	---	58
		MH SAN-65	MH SAN-62	---	---	---	30
		MH SAN 62	MH SAN-64	---	---	---	162
		MH SAN-64	MH SAN-66	---	---	---	30
		SUBTOTAL (0020)		0	0	1	353
		TOTALS		4,419	323	1	353

UTILITY LINE OPENING (ULO)

PROJECT	CATEGORY	LOCATION	SPV.0060.73 *EACH
5994-00-78	0010	UNDISTRIBUTED	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

GRANULAR BACKFILL

PROJECT	CATEGORY	LOCATION	*209.0100 CY
5994-00-78	0010	UNDISTRIBUTED	5,500

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MOBILIZATION

PROJECT	CATEGORY	619.1000 *EACH
5994-00-78	0010	0.10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

HYDRANTS

PROJECT	CATEGORY	STATION	OFFSET	SPV.0060.43 EACH
5994-00-78	0010	66+60	41.8' LT	1
		71+30	44.2' LT	1
		73+50	41.8' LT	1
		79+23	41.8' LT	1
		83+29	41.8' LT	1
		88+30	44.5' LT	1
		91+84	38.5' LT	1
		97+24	38.8' LT	1
		101+20	38.8' LT	1
		104+15	38.8' LT	1
		107+19	41.9' LT	1
		7+45 D	30.5' LT	1
		8+76 P	18.4' RT	1
			TOTAL	13

RELOCATING HYDRANT

PROJECT	CATEGORY	STATION	OFFSET	SPV.0060.45 EACH
5994-00-78	0010	61+52	51.8' LT	1

UTILITY LINE OPENING (ULO)

PROJECT	CATEGORY	STATION	SPV.0060.73 *EACH	REMARK
5994-00-78	0020	88+84	1	EXISTING WATER MAIN CROSSING
		90+75	1	EXISTING WATER MAIN CROSSING
		92+82	1	EXISTING WATER MAIN CROSSING
		99+38	1	EXISTING WATER MAIN CROSSING
		107+16	1	EXISTING WATER MAIN CROSSING
		TOTAL	5	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

WATER MAIN DUCTILE IRON (DI) PIPE SUMMARY

PROJECT	CATEGORY	STATION	OFFSET	SPV.0060.39 GATE VALVE & VALVE BOX, 6-INCH EACH	SPV.0060.40 GATE VALVE & VALVE BOX, 8-INCH EACH	SPV.0060.41 GATE VALVE & VALVE BOX, 10-INCH EACH	SPV.0060.42 GATE VALVE & VALVE BOX, 12-INCH EACH
5994-00-78	0010	66+60	11.0' LT	1	---	---	---
		70+81	6.0' LT	---	---	---	1
		70+86	11.0' LT	---	1	---	---
		71+30	11.0' LT	1	---	---	---
		71+35	6.0' LT	---	---	---	1
		73+25	11.0' LT	1	---	---	---
		73+50	11.0' LT	1	---	---	---
		73+56	6.0' LT	---	---	---	1
		79+17	6.0' LT	---	---	---	1
		79+29	6.0' LT	---	---	---	1
		83+23	6.0' LT	---	---	---	1
		83+35	6.0' LT	---	---	---	1
		87+55	6.0' LT	---	---	---	1
		88+30	11.0' LT	1	---	---	---
		88+36	6.0' LT	---	---	---	1
		91+79	3.0' LT	---	---	---	1
		91+89	3.0' LT	---	---	---	1
		97+19	3.0' LT	---	---	---	1
		97+30	3.0' LT	---	---	---	1
		100+75	3.0' LT	---	---	---	1
		100+80	8.0' LT	---	1	---	---
		101+20	7.7' LT	1	---	---	---
		101+23	3.0' LT	---	---	---	1
		104+10	3.0' LT	---	---	---	1
		104+19	3.0' LT	---	---	---	1
		107+15	3.0' LT	---	---	---	1
		107+20	8.0' LT	1	---	---	---
		107+58	3.0' LT	---	---	---	1
		7+40 D	2.3' LT	---	1	---	---
		7+45 D	6.4' LT	1	---	---	---
		9+89 D	4.0' LT	---	1	---	---
		8+71 P	11.5' RT	---	---	1	---
		8+75 P	9.6' RT	---	---	1	---
		9+92 P	0.2' RT	---	---	1	---
		TOTALS		8	4	3	19

MONONA WATER MAIN DUCTILE IRON (DI) PIPE SUMMARY

PROJECT	CATEGORY	FROM STRUCT./STA.	TO STRUCT./LOC	SPV.0090.14 WATER MAIN, DUCTILE IRON (DI) 6-INCH LF	SPV.0090.15 WATER MAIN, DUCTILE IRON (DI) 8-INCH LF	SPV.0090.16 WATER MAIN, DUCTILE IRON (DI) 10-INCH LF	SPV.0090.17 WATER MAIN, DUCTILE IRON (DI) 12-INCH LF
5994-00-78	0010	66+38	70+86 (ST. TERESA)	---	---	---	448
		66+60	HYDRANT LT	35	---	---	---
		9+39 ST	9+94 ST	---	55	---	---
		70+86 (ST. TERESA)	87+60 (DEAN)	---	---	---	1,674
		71+30	HYDRANT LT	38	---	---	---
		73+25	STUB LT	34	---	---	---
		73+50	HYDRANT LT	36	---	---	---
		79+23	HYDRANT LT	36	---	---	---
		83+29	HYDRANT LT	36	---	---	---
		87+60 (DEAN)	100+80 (COLDSPRING)	---	---	---	1,320
		88+30	HYDRANT LT	39	---	---	---
		91+84	HYDRANT LT	36	---	---	---
		97+25	HYDRANT LT	36	---	---	---
		9+61 CW	9+97 CW	---	36	---	---
		100+80 (COLDSPRING)	107+53 (PARKWAY)	---	---	---	674
		101+20	HYDRANT LT	36	---	---	---
		104+15	HYDRANT LT	36	---	---	---
		107+20	HYDRANT LT	39	---	---	---
		107+53 (PARKWAY)	111+05	---	---	---	352
		7+37 D	9+94 D	---	257	---	---
		7+45 D	HYDRANT LT	28	---	---	---
		8+66 P	9+97 P	---	---	135	---
		8+73 P	HYDRANT RT	8	---	---	---
			TOTALS	439	348	135	4,468

WATER SERVICE, COPPER, 1 1/2 INCH

PROJECT	CATEGORY	STATION	LATERAL DIRECTION	SPV.0090.18 LF	SPV.0060.76 CURB STOP RELOCATION EACH
5994-00-78	0010	68+04	WEST	29	1
		68+42	WEST	29	1
		69+09	WEST	29	1
		69+39	WEST	29	1
		70+17	WEST	29	1
		70+23	WEST	29	1
		71+57	WEST	29	1
		72+66	WEST	29	1
		73+89	WEST	29	1
		74+59	WEST	29	1
		75+67	WEST	29	1
		76+54	WEST	29	1
		77+74	WEST	29	1
		78+76	WEST	29	1
		79+03	WEST	29	1
		80+11	WEST	29	1
		80+63	WEST	29	1
		81+31	WEST	29	1
		81+46	WEST	29	1
		82+46	WEST	29	1
		84+50	WEST	29	1
		85+41	WEST	29	1
		85+76	WEST	30	1
		86+13	WEST	31	1
		99+50	WEST	29	1
		99+77	WEST	28	1
		100+26	WEST	28	1
		101+51	WEST	29	1
		101+88	WEST	29	1
		102+05	WEST	29	1
		102+55	WEST	29	1
		103+60	WEST	29	1
		104+23	WEST	29	1
		104+25	WEST	29	1
		105+63	WEST	29	1
		106+01	WEST	29	1
		108+88	WEST	29	1
		7+97 D	NORTH	23	---
		8+61 D	SOUTH	20	---
		9+36 P	NORTH	24	---
			TOTALS	1,132	37

WATER MAIN ROCK EXCAVATION

PROJECT	CATEGORY	STATION - STATION	LOCATION	SPV.0090.24 LF
5994-00-78	0010	88+00 - 92+00	LT	400
		96+00 - 99+00	LT	300
		TOTAL		700

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
5994-00-00-3		
FEDERAL PROJECT NUMBER	4.1	14

PLAT OF RIGHT-OF-WAY REQUIRED FOR

MONONA DRIVE, CITY OF MONONA

(NICHOLS ROAD - WINNEQUAH ROAD)

CTH BB — DANE COUNTY

CONSTRUCTION PROJECT NUMBER

5994-00-72

CONVENTIONAL SIGNS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE	
SECTION LINE	
QUARTER LINE	
SIXTEENTH LINE	
PROPOSED REFERENCE LINE	
PROPOSED R/W LINE	
EXISTING H.E. LINE	
PROPERTY LINE	
EASEMENT LINE	
CORPORATE LIMITS	
EXISTING CENTERLINE	
LOT & TIE LINES	
UTILITIES (TELEPHONE, GAS, ELECTRIC, CABLE TV, FIBER OPTIC)	FO (TYPE)
ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)	
NO ACCESS (BY ACQUISITION)	
NO ACCESS (BY STATUTORY AUTHORITY)	
FEE (HATCH VARIES)	
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
PARCEL NUMBER	102
SIGN NUMBER (OFF PREMISE)	21-1
BUILDING	
FOUND IRON PIPE/PIN	○ (1" UNLESS NOTED)
R/W MONUMENT	○ (SET)
R/W STANDARD	△ (SET)
SIGN	SIGN SIGN

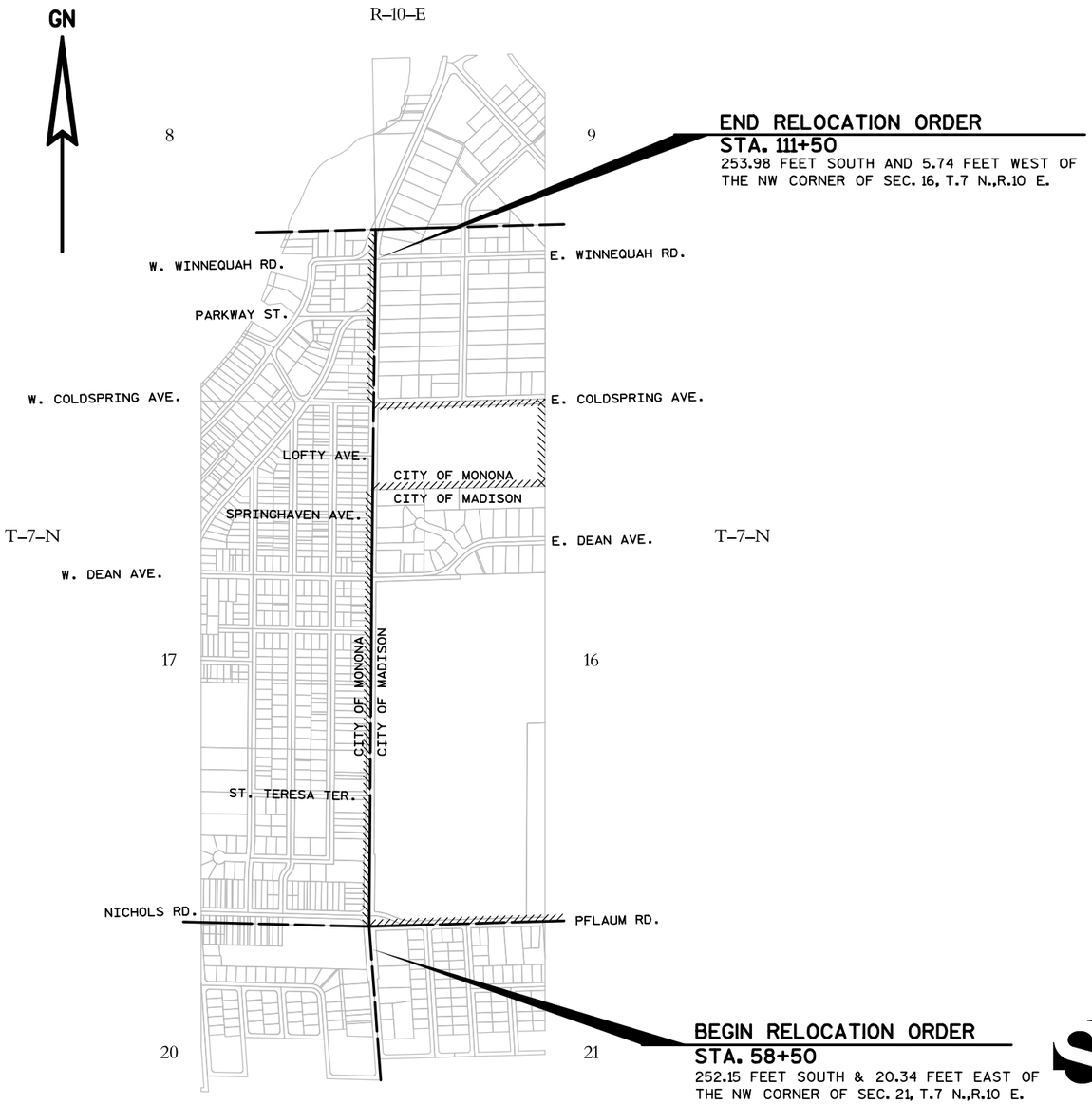
ACCESS POINT	AP
ACCESS RIGHTS	AR
ACRES	AC.
AND OTHERS	ET.AL.
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CORNER	COR.
DOCUMENT	DOC.
HIGHWAY EASEMENT	H.E.
LAND CONTRACT	LC
MONUMENT	MON.
PAGE	P.
PROPERTY LINE	PL
PERMANENT LIMITED EASEMENT	PLE
RECORDED AS	(100')
REFERENCE LINE	R/L
REMAINING	REM.
RIGHT-OF-WAY	R/W
SECTION	SEC.
SQUARE FEET	SQ.FT.
STATION	STA.
TEMPORARY LIMITED EASEMENT	TLE
VOLUME	V.

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

	NON COMPENSABLE	COMPENSABLE
POWER POLE	○	●
TELEPHONE POLE	⌀	⌀
TELEPHONE PEDESTAL	⌧	⌧

SECTION CORNER



END RELOCATION ORDER
STA. 111+50
253.98 FEET SOUTH AND 5.74 FEET WEST OF THE NW CORNER OF SEC. 16, T.7 N., R.10 E.

BEGIN RELOCATION ORDER
STA. 58+50
252.15 FEET SOUTH & 20.34 FEET EAST OF THE NW CORNER OF SEC. 21, T.7 N., R.10 E.

LAYOUT
SCALE 0 — 1000 FT.

TOTAL NET LENGTH OF CENTERLINE = 1.00 MI.

NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE, NAD 83 (2007) 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 ¾" REBAR UNLESS OTHERWISE NOTED AND WILL BE PLACED PRIOR TO COMPLETION OF THE PROJECT.

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

DIMENSIONED DISTANCES FROM BUILDINGS TO THE NEW RIGHT-OF-WAY LINES AS SHOWN ARE APPROXIMATE.

ACCEPTED FOR
CITY OF MONONA
1/25/12 (Date) — Pamela S. Mundt, City Administrator (Signature & Title of Official)

ACCEPTED FOR
CITY OF MADISON
3-9-12 (Date) — Principal Engineer, Christy Bachman (Signature & Title of Official)

ACCEPTED FOR
DANE COUNTY
1/25/12 (Date) — Commissioner/Director (Signature & Title of Official)

ORIGINAL PLAT PREPARED BY

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

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

1/11/12 (Date) — (Signature)

REVISION DATE 3/13/12 N.C.
6/14/12 N.C.
6/27/12 N.C.

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040101_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 50

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES 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.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	MUNICIPALITY	INTEREST REQUIRED	TOTAL ACRES OR S.F.	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES OR S.F.REM.	T.L.E. S.F.	P.L.E. S.F.	H.E. S.F.
• 1	4.5	5221 MONONA DRIVE LLC	MONONA	FEE, P.L.E. & T.L.E.	0.54 AC	9	----	9	0.54 AC	3,573	80	----
2	4.5	ROBERT E. & SHIRLEY M. GUNDERSON	MONONA	T.L.E.	----	----	----	----	----	2,260	----	----
3	4.5, 4.6	PETER & ROBERT LLC	MONONA	FEE, P.L.E. & T.L.E.	2.23 AC	845	----	845	2.21 AC	3,855	298	----
4	4.5, 4.6, 4.7, 4.8, 4.9	CITY OF MADISON PARKS MONONA GOLF COURSE	MADISON	FEE, T.L.E.	94.25 AC	14,792	----	14,792	93.91 AC	77,661	----	----
5	4.5	MONONA GROVE PUBLIC SCHOOLS	MONONA	T.L.E.	----	----	----	----	----	127	----	----
6	4.6	DANIEL R. FRANK	MONONA	FEE, P.L.E. & T.L.E.	0.27 AC	368	----	368	0.26 AC	2,202	625	----
7	4.6	BARBARA L. SLACK	MONONA	FEE, P.L.E. & T.L.E.	0.27 AC	356	----	356	0.26 AC	2,153	389	----
8	4.6	MICHAEL C. DEVENISH & SHARON A. DEVENISH	MONONA	FEE, P.L.E. & T.L.E.	0.55 AC	676	----	676	0.53 AC	5,927	99	----
9	4.6	FULL MOON PROPERTIES LLC	MONONA	FEE, P.L.E. & T.L.E.	0.55 AC	632	----	632	0.54 AC	5,645	147	----
• 10	4.4	DKH MONONA LLC	MONONA	T.L.E.	----	----	----	----	----	1,796	----	----
11	4.6	CCF PROPERTIES LLC	MONONA	FEE, P.L.E. & T.L.E.	0.49 AC	703	----	703	0.47 AC	6,073	174	----
12	4.6	ANCHOR BANK FSB WINGS & A PRAYER LLC	MONONA	FEE, P.L.E. & T.L.E.	0.16 AC	214	----	214	0.16 AC	1,935	45	----
13	4.6, 4.7	UNIVERSITY OF WISCONSIN MEDICAL FOUNDATION INC.	MONONA	FEE, P.L.E. & T.L.E.	1.32 AC	1,734	----	1,734	1.28 AC	15,442	384	----
14	4.7	LARRY WARNER CHAMBERS	MONONA	FEE, T.L.E.	0.55 AC	734	----	734	0.53 AC	9,517	----	----
15												
16	4.7	KNUTSON DENTAL BUILDING LLC	MONONA	FEE, P.L.E. & T.L.E.	0.55 AC	731	----	731	0.53 AC	2,755	1,452	----
17	4.7	GLEN E. & CHERYL M. HERMANSON	MONONA	FEE, P.L.E. & T.L.E.	0.55 AC	708	----	708	0.53 AC	5,173	148	----
18	4.7, 4.8	MCDONALDS USA LLC	MONONA	FEE, P.L.E. & T.L.E.	0.81 AC	1,013	----	1,013	0.79 AC	2,894	97	----
19	4.8	L&H PROPERTIES LLC	MONONA	FEE, P.L.E. & T.L.E.	0.46 AC	559	----	559	0.45 AC	1,464	48	----
20												
21	4.8	OUTCOME LLC	MONONA	FEE, T.L.E.	0.16 AC	396	----	396	0.15 AC	799	----	----
22	4.8	ANDREAS SCHUMANN & TRACY LYNN CONRAD-SCHUMANN	MONONA	FEE, T.L.E.	0.16 AC	378	----	378	0.15 AC	983	----	----
23	4.8	DIAN J. LAND & CHRISTINA A HOKE	MONONA	FEE, T.L.E.	0.16 AC	370	----	370	0.15 AC	623	----	----
24	4.8, 4.9	MONONA GROVE STATE BANK	MONONA	FEE, P.L.E. & T.L.E.	1.54 AC	2,251	----	2,251	1.49 AC	19,148	468	----
25												
26												
27												
28	4.9	BERTON M. SLINDE JR. & LESLEY A SLINDE	MONONA	FEE, P.L.E. & T.L.E.	0.16 AC	566	----	566	0.15 AC	1,473	2,056	----
29	4.9	ROBERT A. GONZALEZ & MARTIN F. CROAK	MONONA	FEE, P.L.E. & T.L.E.	0.16 AC	581	----	581	0.15 AC	1,590	1,462	----
30												
31	4.9	GORDON M. OTTAVIANO	MONONA	H.E., T.L.E.	0.16 AC	----	----	----	0.16 AC	2,051	----	594
32	4.9	MONONA GROVE STATE BANK	MONONA	FEE, P.L.E. & T.L.E.	1.35 AC	3,814	----	3,814	1.26 AC	12,078	1,853	----
33	4.9	EVAN D. HARRISON	MONONA	T.L.E.	----	----	----	----	----	1,108	----	----
34	4.9	STOP-N-GO OF MADISON	MADISON	T.L.E.	0.71 AC	----	----	----	0.71 AC	2,169	----	----
35												
36	4.9, 4.10	N & L FAMILY LLC.	MADISON	FEE, T.L.E.	1.22 AC	890	----	890	1.20 AC	5,405	----	----
37	4.9, 4.10	JOHN A. QUALE & MONICA A. QUALE	MONONA	FEE, T.L.E.	0.41 AC	175	----	175	0.41 AC	2,545	----	----
38	4.10	CITY OF MONONA	MONONA	FEE, T.L.E.	0.27 AC	173	----	173	0.27 AC	2,038	----	----
39	4.10	JAN W. KLUND & MARGE KLUND	MONONA	FEE, P.L.E. & T.L.E.	0.27 AC	178	----	178	0.27 AC	1,955	67	----
40												
• 41	4.10	KLINKE J & M MONONA LLC	MADISON	FEE, T.L.E.	0.76 AC	671	----	671	0.74 AC	4,979	----	----
42	4.10	J. EDWARD & CAROLYN R. HALVARSON	MONONA	FEE, P.L.E. & T.L.E.	0.28 AC	378	----	378	0.27 AC	3,075	1,057	----
43	4.10	WAYNE L. KIEFER & DONNA J. KIEFER	MONONA	FEE, P.L.E. & T.L.E.	0.13 AC	178	----	178	0.13 AC	1,491	485	----
44	4.10	KLINKE MONONA CORPORATE LLC	MADISON	FEE, T.L.E.	1.02 AC	1,088	----	1,088	1.00 AC	6,314	----	----
45												

4

4

REVISION DATE 3/13/12, 6/14/12, 6/27/12

DATE : 1/11/12

SCALE, FEET 0 N/A

HWY: CTH BB,MONONA DRIVE | STATE R/W PROJECT NUMBER 5994-00-00-3 | PLAT SHEET 4.2

COUNTY: DANE | CONSTRUCTION PROJECT NUMBER 5994-00-72 | PS&E SHEET

E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040102_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 60

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES 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.

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SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	MUNICIPALITY	INTEREST REQUIRED	TOTAL ACRES OR S.F.	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TOTAL ACRES OR S.F.REM.	T.L.E. S.F.	P.L.E. S.F.
46	4.10	COMPUTER REPAIR PROS LLC	MONONA	FEE, P.L.E. & T.L.E.	0.28 AC	368	----	368	0.27 AC	3,001	1,074
47	4.10	CITY OF MONONA	MONONA	FEE, P.L.E. & T.L.E.	0.14 AC	183	----	183	0.13 AC	1,530	507
48	4.10	DENNIS W. SIMMONS & DONALD E. GILBERTSON	MONONA	FEE, P.L.E. & T.L.E.	0.14 AC	180	----	180	0.13 AC	1,497	541
49	4.10	DENNIS W. SIMMONS	MONONA	FEE, P.L.E. & T.L.E.	0.14 AC	188	----	188	0.13 AC	1,444	592
50											
51	4.10, 4.11	MONONA GROVE UNION HIGH SCHOOL	MONONA	FEE, P.L.E. & T.L.E.	UNKNOWN	10,576	----	10,576	UNKNOWN	37,890	56
52	4.11	MONONA EVANGELICAL LUTHERAN CHURCH	MONONA	FEE, P.L.E. & T.L.E.	1.05 AC	763	----	763	1.03 AC	4,905	280
53	4.11	KENNETH W. & JANIS R. PULLIAM	MONONA	FEE, T.L.E.	0.17 AC	220	----	220	0.16 AC	1,531	----
54	4.11	MONONA QUARTER LLC	MONONA	FEE, T.L.E.	0.14 AC	370	----	370	0.13 AC	2,856	----
55											
56	4.11	JOSE R. CUEVAS & ANA L. ROBLES	MONONA	FEE, P.L.E. & T.L.E.	0.16 AC	160	----	160	0.15 AC	771	68
57	4.11	YVETTE R. FERRIS	MONONA	FEE, T.L.E.	0.16 AC	158	----	158	0.15 AC	721	----
58	4.11	DANE COUNTY HOUSING AUTHORITY	MONONA	FEE, T.L.E.	0.16 AC	160	----	160	0.15 AC	959	----
59	4.11, 4.12	PATRICIA C. ADAIR	MONONA	FEE, T.L.E.	0.24 AC	245	----	245	0.23 AC	1,116	----
60											
61	4.11	SCHOOL DISTRICT OF MONONA GROVE	MADISON	FEE, P.L.E. & T.L.E.	0.69 AC	2,758	----	2,758	0.63 AC	4,981	149
62	4.11, 4.12	TODD E. BORCHERDING & BRENDA R. HASKINS	MADISON	FEE, T.L.E.	0.75 AC	1,527	----	1,527	0.71 AC	2,781	----
63	4.12	JOSHUA R. MCPHAIL	MONONA	FEE, T.L.E.	0.23 AC	252	----	252	0.22 AC	1,081	----
64	4.12	ROGER P. IPSEN	MONONA	FEE, P.L.E, & T.L.E.	0.15 AC	199	----	199	0.14 AC	770	68
65											
66	4.12	JEANINE T. IPSEN BERNSTEIN	MONONA	FEE, T.L.E.	0.15 AC	203	----	203	0.14 AC	662	----
67	4.12	ILONA PINZKE	MADISON	FEE, T.L.E.	0.76 AC	824	----	824	0.74 AC	2,366	----
68	4.12	CAROL A. BECK	MADISON	FEE, T.L.E.	1.51 AC	723	----	723	1.49 AC	3,325	----
69	4.12	BARBARA L. SLACK	MONONA	FEE, T.L.E.	0.29 AC	459	----	459	0.28 AC	1,457	----
70											
71	4.12	JOHN E. BEEBE & TONI C. SUMNER-BEEBE	MONONA	FEE, T.L.E.	0.16 AC	258	----	258	0.15 AC	794	----
72	4.12	MARK D. & JEANINE M GOFF	MONONA	FEE, T.L.E.	0.14 AC	292	----	292	0.13 AC	996	----
73	4.12	MICHAEL JAMES TUCKER & PATRICIA CASTANEDA-TUCKER	MADISON	FEE, T.L.E.	0.76 AC	355	----	355	0.75 AC	1,885	----
74	4.12, 4.13	CD GORDER LLC	MADISON	FEE, T.L.E.	1.51 AC	791	----	791	1.49 AC	3,295	----
75											
76	4.12, 4.13	RUBIN 4207 MONONA LLC	MONONA	FEE, P.L.E. & T.L.E.	1.31 AC	827	----	827	1.29 AC	3,640	1,567
77	4.13	CHLOE LLC	MONONA	FEE, T.L.E.	0.66 AC	193	----	193	0.65 AC	637	----
78	4.13	JOSHUA J. HELD	MADISON	FEE, T.L.E.	0.32 AC	443	----	443	0.31 AC	3,113	----
100	4.5, 4.8, 4.12	CITY OF MADISON (STORM SEWER)		RELEASE & TEMP. RELEASE OF RIGHTS							
101	4.5, 4.6, 4.7, 4.8 4.10, 4.11	CITY OF MADISON (WATER)		RELEASE & TEMP. RELEASE OF RIGHTS							
102	4.5	CITY OF MONONA (STORM SEWER)		TEMP. RELEASE OF RIGHTS							
103	4.5, 4.8	CITY OF MONONA (SANITARY SEWER)		RELEASE & TEMP. RELEASE OF RIGHTS							
104	4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.13	MG&E		RELEASE & TEMP. RELEASE OF RIGHTS							
105	4.5, 4.9, 4.10, 4.12, 4.13	AT&T WISCONSIN (COMMUNICATIONS)		RELEASE & TEMP. RELEASE OF RIGHTS							
106	4.10, 4.11, 4.12, 4.13	CITY OF MADISON (SANITARY SEWER)		RELEASE & TEMP. RELEASE OF RIGHTS							
107	4.8, 4.12, 4.13	CITY OF MONONA (WATER)		RELEASE & TEMP. RELEASE OF RIGHTS							
108	4.12	MADISON METROPOLITAN SEWERAGE DISTRICT		RELEASE & TEMP. RELEASE OF RIGHTS							

4

4

REVISION DATE 3/13/12
6/14/12
6/27/12 N.C.

DATE : 1/11/12

SCALE, FEET
0 N/A

HWY: CTH BB,MONONA DRIVE

COUNTY: DANE

STATE R/W PROJECT NUMBER 5994-00-00-3

CONSTRUCTION PROJECT NUMBER 5994-00-72

PLAT SHEET 4.3

PS&E SHEET

E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040103_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 60

R/W COURSE TABLE		
RW123 - TLE251	S 1°41'48" E	32.55'
TLE251 - TLE252	S 2°20'10" E	129.66'
TLE252 - TLE253	S 0°14'34" E	67.67'
TLE253 - TLE254	S 85°35'50" W	5.00'
TLE254 - TIE12	S 85°34'20" W	44.10'
TIE12 - RW124	S 85°34'20" W	0.83'

POINT #	STATION	OFFSET
RW124	58+70.48	-0.86
TIE12	58+70.48	0.00
TLE251	60+69.84	56.35
TLE252	59+38.00	54.00
TLE253	58+70.50	49.10
TLE254	58+70.50	44.10

P.I. = 60+76.53
Y = 478,172.57
X = 836,669.92
DELTA = 4° 47' 49" (RT)
D = 1° 54' 35"
T = 125.66'
L = 251.17'
R = 3,000.00'
P.C. = 59+50.87
P.T. = 62+02.04

GN

MONONA GROVE
PUBLIC SCHOOLS

CITY OF MONONA

NE-NE
20

P.L.

RW100
BRASS CAP
IN MONUMENT BOX
Y = 478,198.861
X = 836,666.945
T 7 N R 10 E (17 16 20 21)

LOT 2
CSM 10931
VOL. 65
P. 219

BRASS CAP IN CONCRETE
Y = 475,554.884
X = 836,871.673
T 7 N R 10 E (17 16 20 21)

BEGIN
RELOCATION ORDER
STA. 58+50
Y = 477,946.71
X = 836,687.29

MONONA DRIVE

N 4°23'40" W 232.49' TO RW100

RW124
TIE12
PC 59+50.87
PI 60+76.53
MATCH LINE — 61+00

N 4°25'40" W 2,651.89' (COR. TO COR.)
N 4°23'49" W

CAUTION

TLE254
TLE253
TLE252
TLE251
RW123

MADISON GAS &
ELECTRIC
(GAS)

AT&T WISCONSIN
(COMMUNICATIONS)

SLOPE INTERCEPT (TYP.)

T.L.E.-SLOPES
1,796 S.F.

10

DKH MONONA LLC

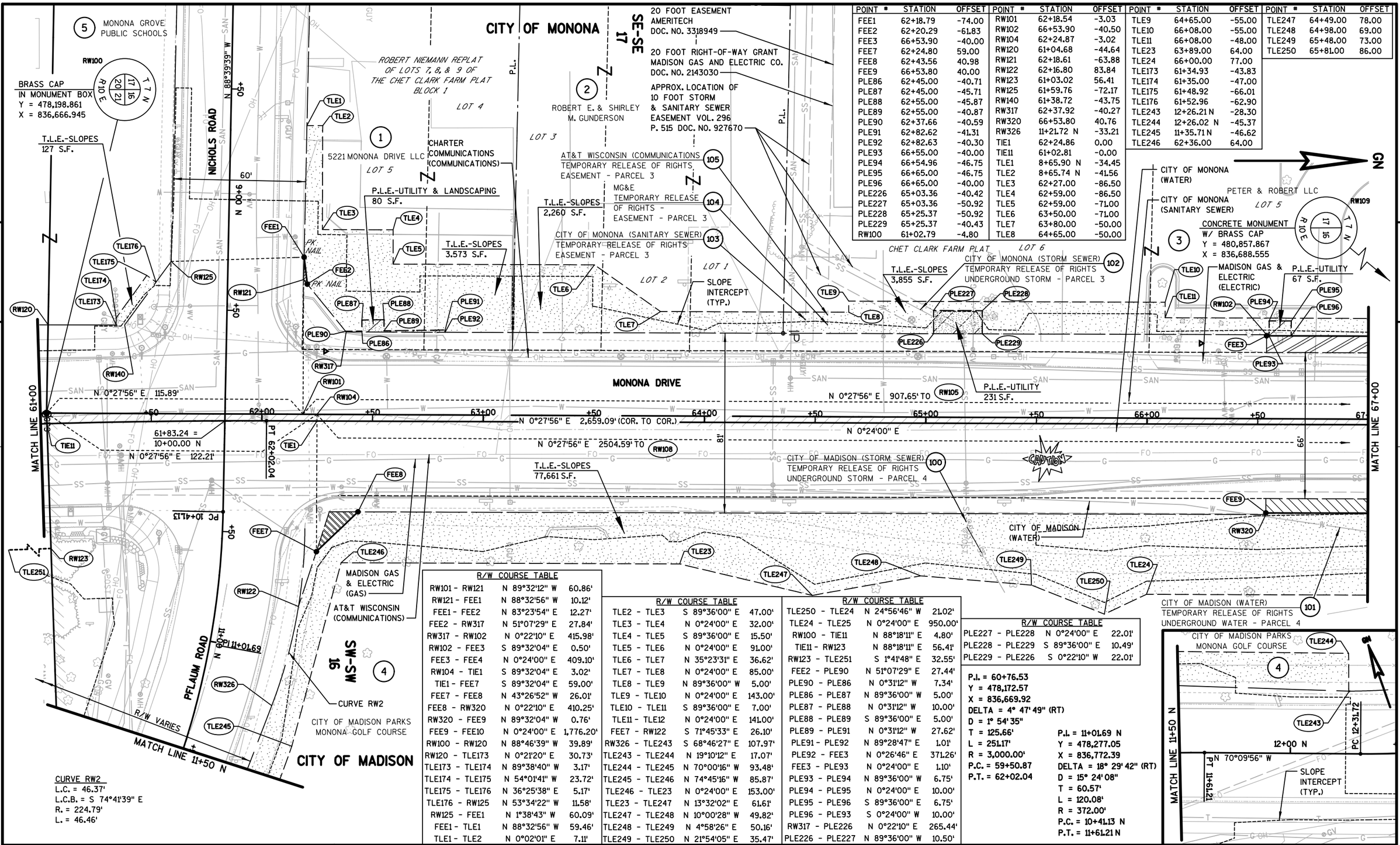
LOT 2
CSM 3619
VOL. 14
P. 276

CITY OF MONONA

NW-NW
21

REVISION DATE 3/13/12 N.C. 6/14/12 6/27/12 N.C.	DATE : 1/11/12	SCALE, FEET 0 40	HWY: CTH BB,MONONA DRIVE	STATE R/W PROJECT NUMBER 5994-00-00-3	PLAT SHEET 4.4
	GRID FACTOR N/A		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-72	PS&E SHEET E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040104_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75



POINT *	STATION	OFFSET
FEE1	62+18.79	-74.00
FEE2	62+20.29	-61.83
FEE3	66+53.90	-40.00
FEE7	62+24.80	59.00
FEE8	62+43.56	40.98
FEE9	66+53.80	40.00
PLE86	62+45.00	-40.71
PLE87	62+45.00	-45.71
PLE88	62+55.00	-45.87
PLE89	62+55.00	-40.87
PLE90	62+37.66	-40.59
PLE91	62+82.62	-41.31
PLE92	62+82.63	-40.30
PLE93	66+55.00	-40.00
PLE94	66+54.96	-46.75
PLE95	66+65.00	-46.75
PLE96	66+65.00	-40.00
PLE226	65+03.36	-40.42
PLE227	65+03.36	-50.92
PLE228	65+25.37	-50.92
PLE229	65+25.37	-40.43
RW100	61+02.79	-4.80

POINT *	STATION	OFFSET
RW101	62+18.54	-3.03
RW102	66+53.90	-40.50
RW104	62+24.87	-3.02
RW120	61+04.68	-44.64
RW121	62+18.61	-63.88
RW122	62+16.80	83.84
RW123	61+03.02	56.41
RW125	61+59.76	-72.17
RW140	61+38.72	-43.75
RW317	62+37.92	-40.27
RW320	66+53.80	40.76
RW326	11+21.72 N	-33.21
TIE1	62+24.86	0.00
TIE11	61+02.81	-0.00
TLE1	8+65.90 N	-34.45
TLE2	8+65.74 N	-41.56
TLE3	62+27.00	-86.50
TLE4	62+59.00	-86.50
TLE5	62+59.00	-71.00
TLE6	63+50.00	-71.00
TLE7	63+80.00	-50.00
TLE8	64+65.00	-50.00

POINT *	STATION	OFFSET
TLE9	64+65.00	-55.00
TLE10	66+08.00	-55.00
TLE11	66+08.00	-48.00
TLE23	63+89.00	64.00
TLE24	66+00.00	77.00
TLE173	61+34.93	-43.83
TLE174	61+35.00	-47.00
TLE175	61+48.92	-66.01
TLE176	61+52.96	-62.90
TLE243	12+26.21 N	-28.30
TLE244	12+26.02 N	-45.37
TLE245	11+35.71 N	-46.62
TLE246	62+36.00	64.00

POINT *	STATION	OFFSET
TLE247	64+49.00	78.00
TLE248	64+98.00	69.00
TLE249	65+48.00	73.00
TLE250	65+81.00	86.00

R/W COURSE TABLE		
RW101 - RW121	N 89°32'12" W	60.86'
RW121 - FEE1	N 88°32'56" W	10.12'
FEE1 - FEE2	N 83°23'54" E	12.27'
FEE2 - RW317	N 51°07'29" E	27.84'
RW317 - RW102	N 0°22'10" E	415.98'
RW102 - FEE3	S 89°32'04" E	0.50'
FEE3 - FEE4	N 0°24'00" E	409.10'
RW104 - TIE1	S 89°32'04" E	3.02'
TIE1 - FEE7	S 89°32'04" E	59.00'
FEE7 - FEE8	N 43°26'52" W	26.01'
FEE8 - RW320	N 0°22'10" E	410.25'
RW320 - FEE9	N 89°32'04" W	0.76'
FEE9 - FEE10	N 0°24'00" E	1,776.20'
RW100 - RW120	N 88°46'39" W	39.89'
RW120 - TLE173	N 0°21'20" E	30.73'
TLE173 - TLE174	N 89°38'40" W	3.17'
TLE174 - TLE175	N 54°01'41" W	23.72'
TLE175 - TLE176	N 36°25'38" E	5.17'
TLE176 - RW125	N 53°34'22" W	11.58'
RW125 - FEE1	N 1°38'43" W	60.09'
FEE1 - TLE1	N 88°32'56" W	59.46'
TLE1 - TLE2	N 0°02'01" E	7.11'

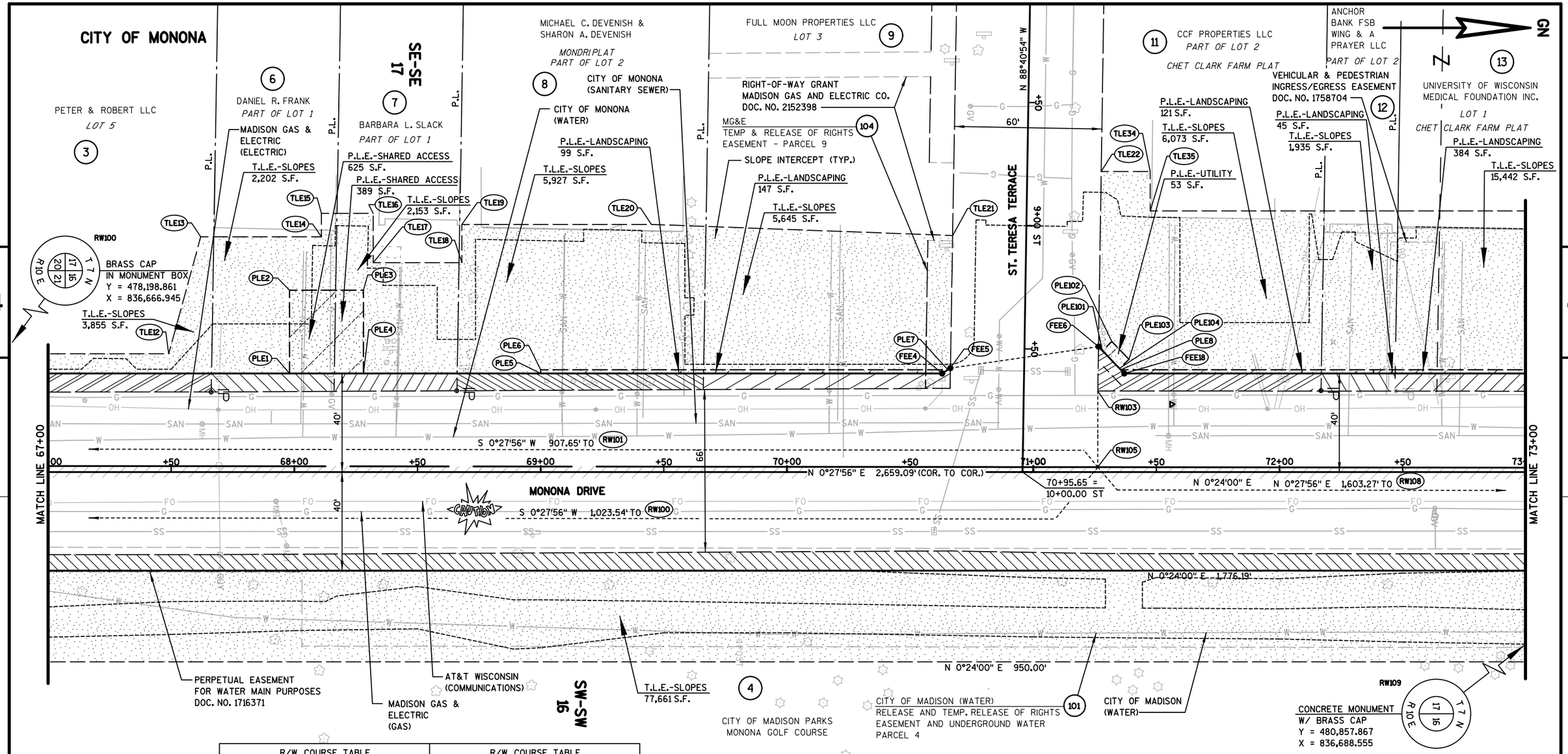
R/W COURSE TABLE		
TLE2 - TLE3	S 89°36'00" E	47.00'
TLE3 - TLE4	N 0°24'00" E	32.00'
TLE4 - TLE5	S 89°36'00" E	15.50'
TLE5 - TLE6	N 0°24'00" E	91.00'
TLE6 - TLE7	N 35°23'31" E	36.62'
TLE7 - TLE8	N 0°24'00" E	85.00'
TLE8 - TLE9	N 89°36'00" W	5.00'
TLE9 - TLE10	N 0°24'00" E	143.00'
TLE10 - TLE11	S 89°36'00" E	7.00'
TLE11 - TLE12	N 0°24'00" E	141.00'
FEE7 - RW122	S 71°45'33" E	26.10'
RW326 - TLE243	S 68°46'27" E	107.97'
TLE243 - TLE244	N 19°10'12" E	17.07'
TLE244 - TLE245	N 70°00'16" W	93.48'
TLE245 - TLE246	N 74°45'16" W	85.87'
TLE246 - TLE23	N 0°24'00" E	153.00'
TLE23 - TLE247	N 13°32'02" E	61.61'
TLE247 - TLE248	N 10°00'28" W	49.82'
TLE248 - TLE249	N 4°58'26" E	50.16'
TLE249 - TLE250	N 21°54'05" E	35.47'

R/W COURSE TABLE		
TLE250 - TLE24	N 24°56'46" W	21.02'
TLE24 - TLE25	N 0°24'00" E	950.00'
RW100 - TIE11	N 88°18'11" E	4.80'
TIE11 - RW123	N 88°18'11" E	56.41'
RW123 - TLE251	S 1°41'48" E	32.55'
FEE2 - PLE90	N 51°07'29" E	27.44'
PLE90 - PLE86	N 0°31'12" W	7.34'
PLE86 - PLE87	N 89°36'00" W	5.00'
PLE87 - PLE88	N 0°31'12" W	10.00'
PLE88 - PLE89	S 89°36'00" E	5.00'
PLE89 - PLE91	N 0°31'12" W	27.62'
PLE91 - PLE92	N 89°28'47" E	1.01'
PLE92 - FEE3	N 0°26'46" E	371.26'
FEE3 - PLE93	N 0°24'00" E	1.10'
PLE93 - PLE94	N 89°36'00" W	6.75'
PLE94 - PLE95	N 0°24'00" E	10.00'
PLE95 - PLE96	S 89°36'00" E	6.75'
PLE96 - PLE93	S 0°24'00" W	10.00'
RW317 - PLE226	N 0°22'10" E	265.44'
PLE226 - PLE227	N 89°36'00" W	10.50'

R/W COURSE TABLE		
PLE227 - PLE228	N 0°24'00" E	22.01'
PLE228 - PLE229	S 89°36'00" E	10.49'
PLE229 - PLE226	S 0°22'10" W	22.01'

REVISION DATE	3/13/12 N.C. 6/14/12 6/27/12	DATE : 1/11/12	SCALE, FEET 0 40	HWY: CTH BB, MONONA DRIVE	STATE R/W PROJECT NUMBER 5994-00-00-3	PLAT SHEET 4.5	
		GRID FACTOR N/A		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-72	PS&E SHEET 368	E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040105_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75



R/W COURSE TABLE		
FEE3 - FEE4	N 0°24'00" E	409.10'
FEE4 - FEE5	N 32°19'07" W	4.01'
FEE5 - FEE6	N 7°51'13" W	60.76'
FEE6 - RW103	S 88°42'53" E	17.98'
RW103 - RW105	S 89°32'04" E	30.93'
RW103 - FEE6	N 88°42'53" W	17.98'
FEE6- FEE18	N 46°27'56" E	15.12'
FEE18 - FEE19	N 0°24'00" E	1,404.65'
TLE11 - TLE12	N 0°24'00" E	141.00'
TLE12 - TLE13	N 74°17'38" W	49.25'
TLE13 - TLE14	N 0°24'00" E	49.00'

R/W COURSE TABLE		
TLE14 - TLE15	N 89°36'00" W	9.50'
TLE15 - TLE16	N 0°24'00" E	21.00'
TLE16 - TLE17	S 89°36'00" E	20.00'
TLE17 - TLE18	N 0°24'00" E	36.00'
TLE18 - TLE19	N 89°36'00" W	15.50'
TLE19 - TLE20	N 0°24'00" E	77.00'
TLE20 - TLE21	N 2°30'27" E	122.36'
TLE21 - FEE5	S 88°38'14" E	53.84'
RW103 - TLE22	N 88°42'53" W	89.09'
TLE22 - TLE34	N 0°24'00" E	19.89'
TLE34 - TLE35	S 89°36'00" E	16.00'
TLE35 - TLE36	N 0°24'00" E	346.50'
FEE3 - PLE1	N 0°24'00" E	144.14'

R/W COURSE TABLE		
PLE1 - PLE2	N 89°36'00" W	33.81'
PLE2 - PLE3	N 0°24'00" E	30.00'
PLE3 - PLE4	S 89°36'00" E	33.81'
PLE4 - PLE5	N 0°24'00" E	72.01'
PLE5 - PLE6	N 89°36'00" W	1.50'
PLE6 - PLE7	N 0°24'00" E	165.29'
PLE7 - FEE5	N 32°19'07" W	1.24'
FEE6 - PLE8	N 46°27'56" E	13.04'
PLE8 - PLE9	N 0°24'00" E	309.45'
FEE6 - PLE101	N 46°27'56" E	2.28'
PLE101 - PLE102	N 43°32'04" W	5.34'
PLE102 - PLE103	N 46°27'56" E	10.00'
PLE103 - PLE104	S 43°32'04" E	5.34'

R/W COURSE TABLE		
PLE104 - PLE101	S 46°27'56" W	10.00'
FEE3 - PLE5	N 0°24'00" E	246.15'

CITY OF MADISON

POINT #	STATION	OFFSET
FEE4	70+63.00	-40.00
FEE5	70+66.38	-42.17
FEE6	71+26.51	-50.89
FEE18	71+37.00	-40.00
PLE1	67+98.03	-40.00
PLE2	67+98.03	-73.81
PLE3	68+28.03	-73.81
PLE4	68+28.03	-40.00
PLE5	69+00.05	-40.00
PLE6	69+00.05	-41.50
PLE7	70+65.33	-41.50
PLE8	71+35.55	-41.50

POINT #	STATION	OFFSET
PLE101	71+28.09	-49.25
PLE102	71+31.93	-52.96
PLE103	71+38.87	-45.75
PLE104	71+35.02	-42.05
RW103	71+26.23	-32.92
RW105	71+26.19	-1.99
TLE12	67+49.00	-48.00
TLE13	67+62.00	-95.50
TLE14	68+11.00	-95.50
TLE15	68+11.00	-105.00
TLE16	68+32.00	-105.00
TLE17	68+32.00	-85.00

POINT #	STATION	OFFSET
TLE18	68+68.00	-85.00
TLE19	68+68.00	-100.50
TLE20	69+45.00	-100.50
TLE21	70+67.28	-96.00
TLE22	8+77.50 ST	-30.00
TLE34	8+77.18 ST	-49.89
TLE35	8+93.18 ST	-50.15

REVISION DATE 3/13/12 N.C. 6/14/12 6/27/12	DATE : 1/11/12	SCALE, FEET 0 40	HWY: CTH BB,MONONA DRIVE	STATE R/W PROJECT NUMBER 5994-00-00-3	PLAT SHEET 4.6	
	GRID FACTOR N/A		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-72	PS&E SHEET	E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040106_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

UNIVERSITY OF WISCONSIN MEDICAL FOUNDATION INC. (13)
LOT 1
CHET CLARK FARM PLAT

CITY OF MONONA

SE-SE 17

PART OF OUTLOT B
PLAT OF THE VILLAGE OF BLOOMING GROVE

LARRY WARNER CHAMBERS (14)

PART OF OUTLOT B
PLAT OF THE VILLAGE OF BLOOMING GROVE

(16) KNUTSON DENTAL BUILDING LLC
LOT 33

LOT 32

GLEN E. & CHERYL M. HERMANSON (17)
LOT 31

LOT 30

LOT 29

GN

NE-SE 17

(18) MCDONALDS USA LLC
LOT 28

RW100
T 7 N R 10 E (17 16 20 21)
BRASS CAP
IN MONUMENT BOX
Y = 478,198.861
X = 836,666.945

P.L.E.-UTILITY AND LANDSCAPING 384 S.F.
SLOPE INTERCEPT (TYP.)
T.L.E.-SLOPES 15,442 S.F.
JOINT DRIVEWAY AGREEMENT DOC. NO. 2620923
CITY OF MONONA (SANITARY SEWER)

TLE36 TLE37 TLE38 TLE39 TLE40

T.L.E.-SLOPES 9,517 S.F.

CHARTER COMMUNICATIONS (COMMUNICATIONS)

ELLESTAD'S FIRST ADDITION

T.L.E.-SLOPES 2,755 S.F.
P.L.E.-SHARED ACCESS 1,366 S.F.
P.L.E.-LANDSCAPING 86 S.F.
P.L.E.-LANDSCAPING 148 S.F.
T.L.E.-SLOPES 5,173 S.F.

TLE12 TLE13 TLE41 TLE42 TLE406 TLE405 TLE407

MG&E
TEMP & RELEASE OF RIGHTS
EASEMENT - PARCEL 17, 18

104

RIGHT-OF-WAY GRANT
MADISON GAS AND ELECTRIC
DOC. NO. 2456752

RIGHT-OF-WAY GRANT
MADISON GAS AND ELECTRIC
DOC. NO. 2468722

CITY OF MONONA (WATER)

P.L.E.-LANDSCAPING 30 S.F.
T.L.E.-SLOPES 2,894 S.F.

TLE43 TLE44 TLE16 TLE17 TLE192

SITE PLANNED FOR REDEVELOPMENT
ANTICIPATED CONSTRUCTION IN 20

58' 61' 53' 67' 68' 53' 32'

PLE110 PLE111 PLE112 PLE107 PLE106 PLE105 PLE10 PLE9 PLE108 PLE109 PLE11 PLE115 PLE116 PLE114 PLE113 PLE14 PLE34 PLE15

MATCH LINE 73+00

00 +50 74+00 +50 75+00 +50 76+00 +50 77+00 +50 78+00 +50 79+

S 0°27'56" W 1,562.03 TO RW100

N 0°27'56" E 1,603.27' RW105 TO RW108

N 0°27'56" E 2,659.09' (COR. TO COR.)

N 0°24'00" E

N89°32'04"W 36.63'

66'

40'

CAUTION

MONONA DRIVE

MATCH LINE 79+00

N 0°24'00" E 1,776.19'

N 3°53'21" W 200.56'

N 1°01'55" W 120.04'

TLE25 TLE26 TLE27

RW109

CONCRETE MONUMENT
W/ BRASS CAP
Y = 480,857.867
X = 836,688.555

T 7 N R 10 E (17 16)

N 0°24'00" E 950.00'

SW-SW 16

CITY OF MADISON (WATER)
RELEASE AND TEMP. RELEASE OF RIGHTS
EASEMENT AND UNDERGROUND WATER
PARCEL 4

101

(4) CITY OF MADISON PARKS
MONONA GOLF COURSE

CITY OF MADISON

CITY OF MADISON (WATER)

T.L.E.-SLOPES 77,661 S.F.

MADISON GAS & ELECTRIC (GAS)

AT&T WISCONSIN (COMMUNICATIONS)

PERPETUAL EASEMENT
FOR WATER MAIN PURPOSES
DOC. NO. 1716371

NW-SW 16

R/W COURSE TABLE		
TLE35 - TLE36	N 0°24'00" E	346.50'
TLE36 - TLE37	N 89°36'00" W	70.00'
TLE37 - TLE38	N 0°24'00" E	51.67'
TLE38 - TLE39	S 88°19'39" E	60.04'
TLE39 - TLE40	N 71°20'28" E	29.60'
TLE40 - TLE41	N 0°24'00" E	52.00'
TLE41 - TLE42	S 89°36'00" E	15.00'
TLE42 - TLE405	N 0°24'00" E	89.00'
TLE405 - TLE406	N 89°36'00" W	22.00'
TLE406 - TLE407	N 0°24'00" E	92.56'
TLE407 - TLE192	S 88°46'09" E	22.00'
TLE192 - TLE43	N 0°24'00" E	22.76'
TLE43 - TLE44	S 89°36'00" E	15.00'

R/W COURSE TABLE		
TLE44 - TLE45	N 0°24'00" E	153.00'
TLE27 - TLE169	N 0°24'00" E	577.00'
PLE8 - PLE112	N 0°24'00" E	209.45'
PLE112 - PLE111	S 89°36'00" E	5.25'
PLE111 - PLE110	S 0°24'00" W	10.00'
PLE110 - PLE109	N 89°36'00" W	5.25'
PLE109 - PLE108	S 0°24'00" W	8.00'
PLE108 - PLE107	S 89°36'00" E	2.50'
PLE107 - PLE106	S 0°24'00" W	14.00'
PLE106 - PLE105	N 89°36'00" W	2.50'
PLE105 - PLE9	S 0°24'00" W	68.00'
PLE9 - PLE10	S 89°36'00" E	1.50'
PLE10 - PLE113	N 0°24'00" E	147.12'

R/W COURSE TABLE		
PLE113 - PLE114	N 89°36'00" W	1.25'
PLE114 - PLE115	N 0°24'00" E	69.11'
PLE115 - PLE116	S 89°36'00" E	1.25'
PLE116 - PLE11	N 0°24'00" E	3.50'
PLE11 - PLE12	N 89°36'00" W	59.74'
PLE12 - PLE13	N 0°24'00" E	23.37'
PLE13 - PLE34	S 88°36'52" E	59.75'
PLE34 - PLE14	N 0°24'00" E	1.15'
PLE14 - PLE15	N 89°36'00" W	1.50'
PLE15 - PLE16	N 0°24'00" E	118.47'
PLE16 - PLE17	S 89°36'00" E	1.50'
PLE17 - PLE18	N 0°24'00" E	127.49'

POINT #	STATION	OFFSET	POINT #	STATION	OFFSET
PLE9	74+45.00	-41.50	PLE110	73+55.00	-46.75
PLE10	74+45.00	-40.00	PLE111	73+45.00	-46.75
PLE11	76+64.73	-40.00	PLE112	73+45.00	-41.50
PLE12	76+64.73	-99.74	PLE113	75+92.12	-40.00
PLE13	76+88.10	-99.74	PLE114	75+92.12	-41.25
PLE14	76+88.23	-40.00	PLE115	76+61.23	-41.25
PLE15	76+88.23	-41.50	PLE116	76+61.23	-40.00
PLE16	78+06.70	-41.50	TLE25	75+50.00	77.00
PLE17	78+06.70	-40.00	TLE26	77+50.00	62.00
PLE34	76+87.07	-40.00	TLE27	78+70.00	59.00
PLE105	73+77.00	-41.50	TLE36	74+94.00	-106.00
PLE106	73+77.00	-44.00	TLE37	74+94.00	-176.00
PLE107	73+63.00	-44.00	TLE38	75+45.67	-176.00
PLE108	73+63.00	-41.50	TLE39	75+44.40	-115.97
PLE109	73+55.00	-41.50	TLE40	75+54.00	-88.00

POINT #	STATION	OFFSET
TLE41	76+06.00	-88.00
TLE42	76+06.00	-73.00
TLE43	78+10.00	-73.00
TLE44	78+10.00	-58.00
TLE192	77+87.24	-73.00
TLE405	76+95.00	-73.00
TLE406	76+95.00	-95.00
TLE407	77+87.56	-95.00

REVISION DATE 3/13/12
6/14/12 N.C.
6/27/12 N.C.

DATE : 1/11/12

GRID FACTOR N/A

SCALE, FEET 0 40

HWY: CTH BB, MONONA DRIVE

COUNTY: DANE

STATE R/W PROJECT NUMBER 5994-00-00-3

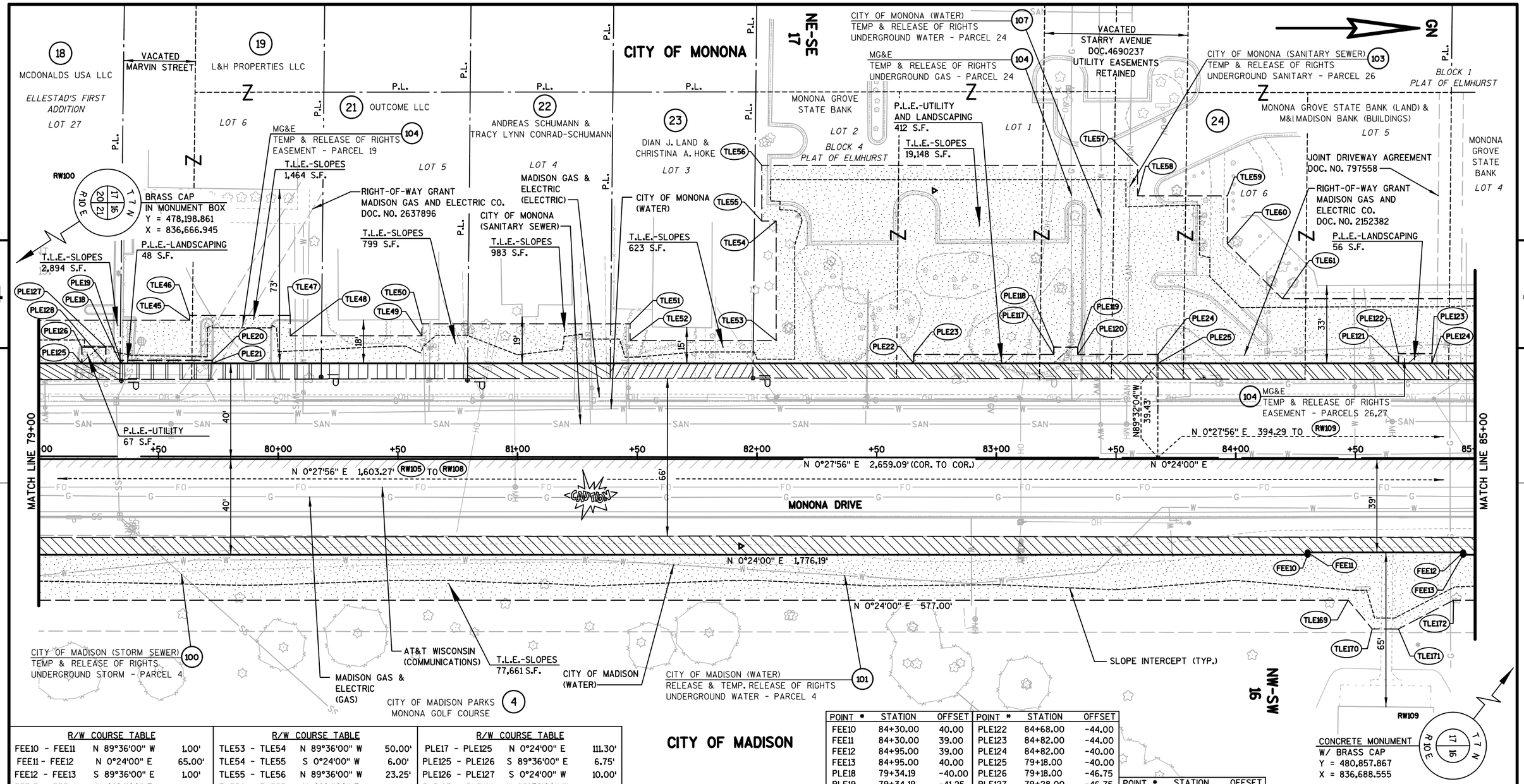
CONSTRUCTION PROJECT NUMBER 5994-00-72

PLAT SHEET 4.7

PS&E SHEET 370

E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040107_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



CITY OF MADISON

R/W COURSE TABLE		
FEE10 - FEE11	N 89°36'00" W	1.00'
FEE11 - FEE12	N 0°24'00" E	65.00'
FEE12 - FEE13	S 89°36'00" E	1.00'
FEE13 - FEE14	N 0°24'00" E	65.87'
TLE44 - TLE45	N 0°24'00" E	153.00'
TLE45 - TLE46	N 89°36'00" W	2.00'
TLE46 - TLE47	N 0°24'00" E	42.00'
TLE47 - TLE48	S 89°36'00" E	8.50'
TLE48 - TLE49	N 0°24'00" E	55.00'
TLE49 - TLE50	N 89°36'00" W	5.00'
TLE50 - TLE51	N 0°24'00" E	87.00'
TLE51 - TLE52	S 89°36'00" E	7.00'
TLE52 - TLE53	N 0°24'00" E	61.00'

R/W COURSE TABLE		
TLE53 - TLE54	N 89°36'00" W	50.00'
TLE54 - TLE55	S 0°24'00" W	6.00'
TLE55 - TLE56	N 89°36'00" W	23.25'
TLE56 - TLE57	N 0°24'00" E	157.00'
TLE57 - TLE58	S 89°36'00" E	12.75'
TLE58 - TLE59	N 0°24'00" E	37.50'
TLE59 - TLE60	S 89°36'00" E	20.00'
TLE60 - TLE61	N 45°24'00" E	32.53'
TLE61 - TLE62	N 0°24'00" E	120.50'
TLE169 - TLE170	N 50°35'40" E	15.62'
TLE170 - TLE171	N 0°24'00" E	11.00'
TLE171 - TLE172	N 27°09'10" W	25.94'
TLE172 - FEE28	N 0°24'00" E	39.00'

R/W COURSE TABLE		
PLE17 - PLE125	N 0°24'00" E	111.30'
PLE125 - PLE126	S 89°36'00" E	6.75'
PLE126 - PLE127	S 0°24'00" W	10.00'
PLE127 - PLE128	N 89°36'00" W	6.75'
PLE128 - PLE18	S 0°24'00" W	6.19'
PLE18 - PLE19	N 89°36'00" W	1.25'
PLE19 - PLE20	N 0°24'00" E	38.18'
PLE20 - PLE21	S 89°36'00" E	1.25'
PLE21 - PLE22	N 0°24'00" E	293.13'
PLE22 - PLE23	N 89°36'00" W	3.75'
PLE23 - PLE117	N 89°36'00" W	4.00'
PLE117 - PLE118	N 89°36'00" W	3.00'
PLE118 - PLE119	N 0°24'00" E	10.00'

R/W COURSE TABLE		
PLE119 - PLE120	S 89°36'00" E	3.00'
PLE120 - PLE24	N 0°24'00" E	33.50'
PLE24 - PLE25	S 89°36'00" E	3.75'
PLE25 - PLE121	N 0°24'00" E	100.50'
PLE121 - PLE122	N 89°36'00" W	4.00'
PLE122 - PLE123	N 0°24'00" E	14.00'
PLE123 - PLE124	S 89°36'00" E	4.00'
PLE124 - FEE19	N 0°24'00" E	59.65'

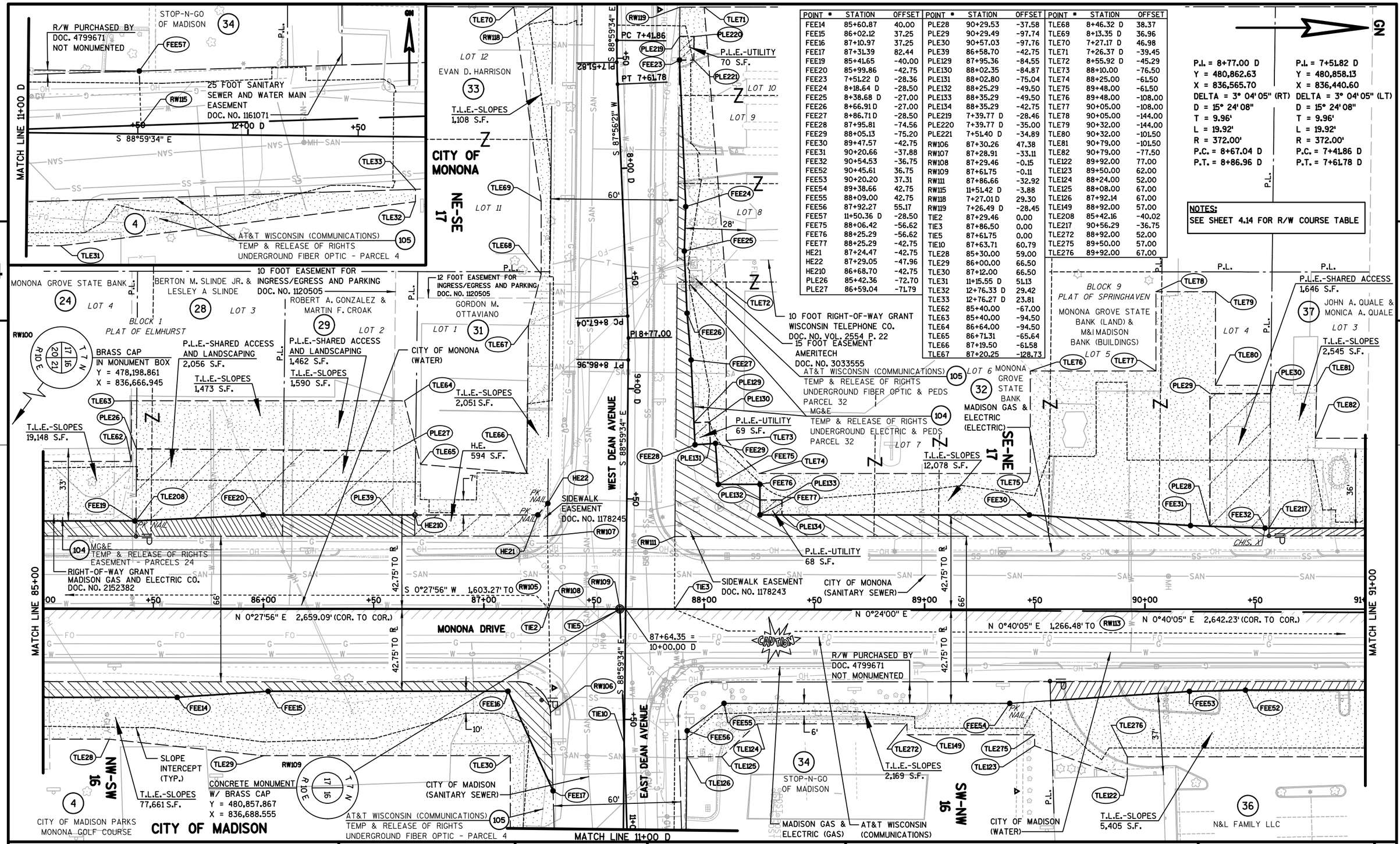
POINT #	STATION	OFFSET
FEE10	84+30.00	40.00
FEE11	84+30.00	39.00
FEE12	84+95.00	39.00
FEE13	84+95.00	40.00
PLE18	79+34.19	-40.00
PLE19	79+34.19	-41.25
PLE20	79+72.37	-41.25
PLE21	79+72.37	-40.00
PLE22	82+65.50	-40.00
PLE23	82+65.50	-43.75
PLE24	83+67.50	-43.75
PLE25	83+67.50	-40.00
PLE117	83+24.00	-43.75
PLE118	83+24.00	-46.75
PLE119	83+34.00	-46.75
PLE120	83+34.00	-43.75
PLE121	84+68.00	-40.00

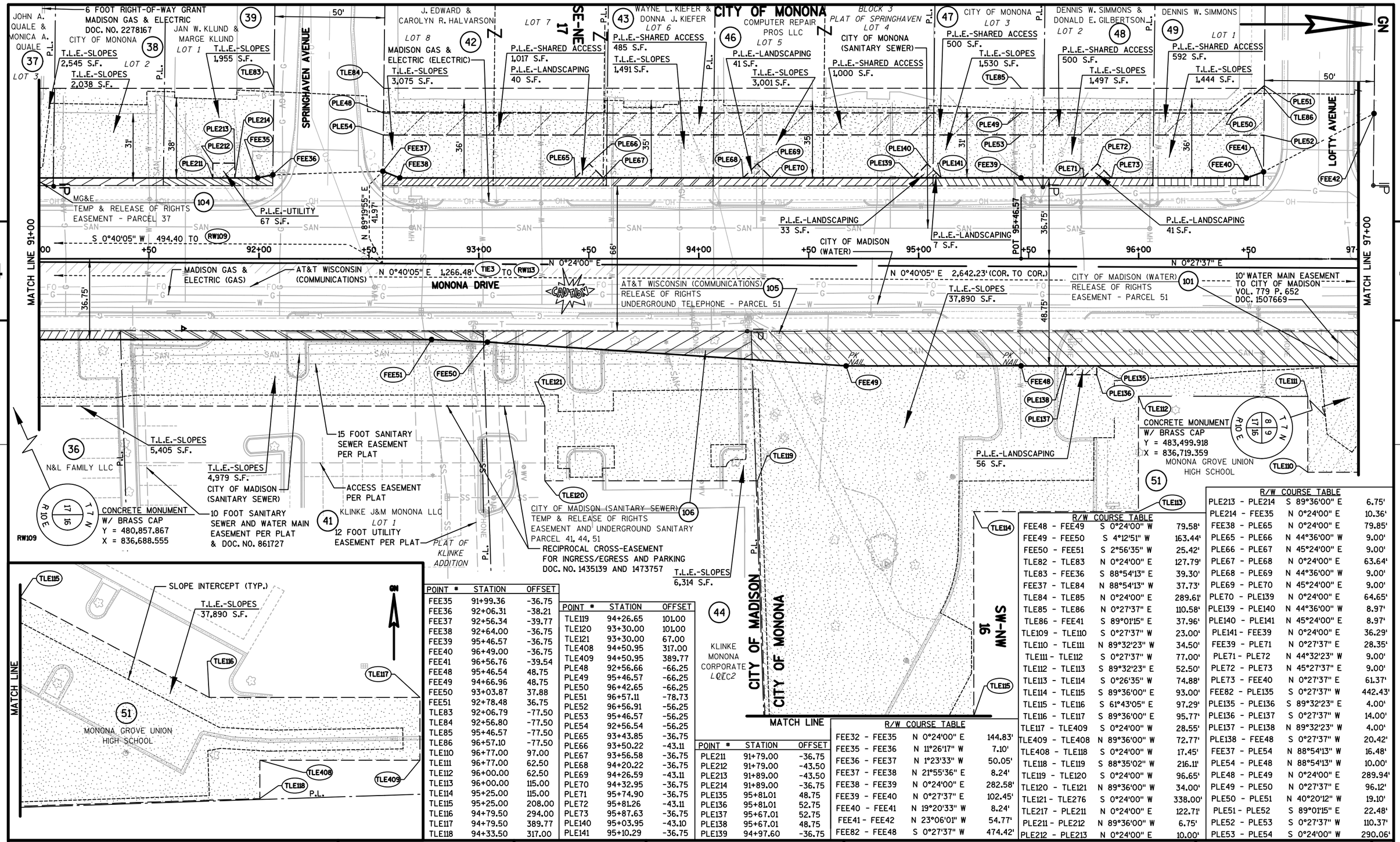
POINT #	STATION	OFFSET
PLE122	84+68.00	-44.00
PLE123	84+82.00	-44.00
PLE124	84+82.00	-40.00
PLE125	79+18.00	-40.00
PLE126	79+18.00	-46.75
PLE127	79+28.00	-46.75
PLE128	79+28.00	-40.00
TLE45	79+63.00	-58.00
TLE46	79+63.00	-60.00
TLE47	80+05.00	-60.00
TLE48	80+05.00	-51.50
TLE49	80+60.00	-51.50
TLE50	80+60.00	-56.50
TLE51	81+47.00	-56.50
TLE52	81+47.00	-49.50
TLE53	82+08.00	-49.50
TLE54	82+08.00	-99.50

POINT #	STATION	OFFSET
TLE55	82+02.00	-99.50
TLE56	82+02.00	-122.75
TLE57	83+59.00	-122.75
TLE58	83+59.00	-110.00
TLE59	83+96.50	-110.00
TLE60	83+96.50	-90.00
TLE61	84+19.50	-67.00
TLE169	84+47.00	59.00
TLE170	84+57.00	71.00
TLE171	84+68.00	71.00
TLE172	84+91.00	59.00

REVISION DATE	3/13/12 N.C. 6/14/12 N.C. 6/27/12 N.C.	DATE : 1/11/12	SCALE, FEET 0 40	HWY: CTH BB,MONONA DRIVE	STATE R/W PROJECT NUMBER 5994-00-00-3	PLAT SHEET 4.8	
		GRID FACTOR N/A		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-72	PS&E SHEET	E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040108_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$


MATCH LINE 11+00 D
STOP-N-GO OF MADISON
34
R/W PURCHASED BY DOC. 4799671 NOT MONUMENTED
FEE57
RW115
25 FOOT SANITARY SEWER AND WATER MAIN EASEMENT DOC. NO. 1161071
12+00 D
S 88°59'34" E
TLE33
TLE32
4
AT&T WISCONSIN (COMMUNICATIONS)
TEMP & RELEASE OF RIGHTS
UNDERGROUND FIBER OPTIC - PARCEL 4
105
TLE31
TLE70
RW118
LOT 12
EVAN D. HARRISON
33
T.L.E.-SLOPES
1,108 S.F.
CITY OF MONONA
NE-SE 17
TLE69
LOT 11
TLE68
RW119
PC 7+41.86
PT 7+61.78
PT 7+51.82
S 88°59'34" E
S 87°56'21" W
8+00 D
60'
TLE71
PLE220
P.L.E.-UTILITY
70 S.F.
PLE219
FEE23
PLE221
LOT 10
LOT 9
LOT 8
FEE24
28'
FEE25
TLE72
10 FOOT RIGHT-OF-WAY GRANT
WISCONSIN TELEPHONE CO.
DOC. NO. VOL. 2554 P. 22
15 FOOT EASEMENT
AMERITECH
DOC. NO. 3033555
AT&T WISCONSIN (COMMUNICATIONS)
TEMP & RELEASE OF RIGHTS
UNDERGROUND FIBER OPTIC & PEDS
PARCEL 32
MG&E
105
LOT 6
32
MONONA GROVE STATE BANK
MADISON GAS & ELECTRIC (ELECTRIC)
104
TEMP & RELEASE OF RIGHTS
UNDERGROUND ELECTRIC & PEDS
PARCEL 32
LOT 7
T.L.E.-SLOPES
12,078 S.F.
SE-NW 17
TLE75
FEE30
PLE28
FEE31
FEE32
TLE217
CHIS. X
36'
P.L.E.-UTILITY
68 S.F.
SIDEWALK EASEMENT
DOC. NO. 1178243
CITY OF MONONA
(SANITARY SEWER)
TIE3
88+00
89+00
90+00
91+00
42.75' TO R
66'
N 0°24'00" E
N 0°40'05" E 1,266.48' TO RW113
N 0°40'05" E 2,642.23' (COR. TO COR.)
MATCH LINE 91+00
P.L.
P.L.E.-SHARED ACCESS
1,646 S.F.
JOHN A. QUALE & MONICA A. QUALE
37
LOT 3
T.L.E.-SLOPES
2,545 S.F.
BLOCK 9
PLAT OF SPRINGHAVEN
MONONA GROVE STATE BANK (LAND) & M&I MADISON BANK (BUILDINGS)
LOT 5
LOT 4
TLE78
TLE79
TLE80
TLE81
TLE82
PLE29
PLE30
FEE53
FEE52
TLE276
37'
TLE149
TLE275
TLE123
TLE122
T.L.E.-SLOPES
5,405 S.F.
36
N&L FAMILY LLC
CITY OF MADISON
(WATER)
P.L.
PK NAIL
R/W PURCHASED BY
DOC. 4799671
NOT MONUMENTED
CAUTION
MADISON GAS & ELECTRIC (GAS)
AT&T WISCONSIN (COMMUNICATIONS)
FEE54
FEE55
FEE56
TLE124
TLE125
TLE126
TLE272
T.L.E.-SLOPES
2,169 S.F.
6'
10'
87+64.35 = 10+00.00 D
MONONA DRIVE
EAST DEAN AVENUE
WEST DEAN AVENUE
SIDEWALK EASEMENT
DOC. NO. 1178245
HE22
HE21
HE210
RW107
RW105
RW108
RW109
RW106
TIE2
TIE5
TIE10
FEE16
FEE17
TLE30
CITY OF MADISON
(SANITARY SEWER)
S 0°27'56" W 1,603.27' TO
N 0°27'56" E 2,659.09' (COR. TO COR.)
MATCH LINE 85+00
42.75' TO R
66'
86+00
87+00
SLOPE INTERCEPT (TYP.)
T.L.E.-SLOPES
77,661 S.F.
TLE28
TLE29
RW109
CONCRETE MONUMENT
W/ BRASS CAP
Y = 480,857.867
X = 836,688.555
T 7 N
R 10 E
17
16
AT&T WISCONSIN (COMMUNICATIONS)
TEMP & RELEASE OF RIGHTS
UNDERGROUND FIBER OPTIC - PARCEL 4
105
CITY OF MADISON
4
CITY OF MADISON PARKS
MONONA GOLF COURSE
SW-NW 16
MONONA GROVE STATE BANK
24
LOT 4
BLOCK 1
PLAT OF ELMHURST
RW100
BRASS CAP
IN MONUMENT BOX
Y = 478,198.861
X = 836,666.945
T 7 N
R 10 E
20
21
16
17
T.L.E.-SLOPES
19,148 S.F.
TLE63
PLE26
TLE62
FEE19
33'
TLE208
FEE20
PLE39
PK NAIL
104
MG&E
TEMP & RELEASE OF RIGHTS
EASEMENT - PARCELS 24
RIGHT-OF-WAY GRANT
MADISON GAS AND ELECTRIC CO.
DOC. NO. 2152382
BERTON M. SLINDE JR. & LESLEY A SLINDE
28
LOT 3
10 FOOT EASEMENT FOR INGRESS/EGRESS AND PARKING
DOC. NO. 1120505
12 FOOT EASEMENT FOR INGRESS/EGRESS AND PARKING
DOC. NO. 1120505
ROBERT A. GONZALEZ & MARTIN F. CROAK
29
LOT 2
P.L.E.-SHARED ACCESS AND LANDSCAPING
2,056 S.F.
T.L.E.-SLOPES
1,473 S.F.
P.L.E.-SHARED ACCESS AND LANDSCAPING
1,462 S.F.
T.L.E.-SLOPES
1,590 S.F.
GORDON M. OTTAVIANO
LOT 1
31
CITY OF MONONA (WATER)
TLE64
T.L.E.-SLOPES
2,051 S.F.
PLE27
TLE65
TLE66
H.E.
594 S.F.
7"
FEE14
FEE15
FEE16
10'
TLE67
PC 8+67.04
PI 8+77.00
PT 8+86.96
9+00 D
+50
+00
SAN
SS
W
G
FO
OH
CV
MH
NAS
P.L.
P.L.E.-UTILITY
69 S.F.
TLE73
FEE28
PLE131
FEE29
FEE75
TLE74
FEE76
PLE133
PLE132
FEE77
PLE134
RW111
RW113
RW114
RW115
RW116
RW117
RW118
RW119
RW120
RW121
RW122
RW123
RW124
RW125
RW126
RW127
RW128
RW129
RW130
RW131
RW132
RW133
RW134
RW135
RW136
RW137
RW138
RW139
RW140
RW141
RW142
RW143
RW144
RW145
RW146
RW147
RW148
RW149
RW150
RW151
RW152



POINT #	STATION	OFFSET
FEE35	91+99.36	-36.75
FEE36	92+06.31	-38.21
FEE37	92+56.34	-39.77
FEE38	92+64.00	-36.75
FEE39	95+46.57	-36.75
FEE40	96+49.00	-36.75
FEE41	96+56.76	-39.54
FEE48	95+46.54	48.75
FEE49	94+66.96	48.75
FEE50	93+03.87	37.88
FEE51	92+78.48	36.75
TLE83	92+06.79	-77.50
TLE84	92+56.80	-77.50
TLE85	95+46.57	-77.50
TLE86	96+57.10	-77.50
TLE110	96+77.00	97.00
TLE111	96+77.00	62.50
TLE112	96+00.00	62.50
TLE113	96+00.00	115.00
TLE114	95+25.00	115.00
TLE115	95+25.00	208.00
TLE116	94+79.50	294.00
TLE117	94+79.50	389.77
TLE118	94+33.50	317.00

POINT #	STATION	OFFSET
TLE119	94+26.65	101.00
TLE120	93+30.00	101.00
TLE121	93+30.00	67.00
TLE408	94+50.95	317.00
TLE409	94+50.95	389.77
PLE48	92+56.66	-66.25
PLE49	95+46.57	-66.25
PLE50	96+42.65	-66.25
PLE51	96+57.11	-78.73
PLE52	96+56.91	-56.25
PLE53	95+46.57	-56.25
PLE54	92+56.54	-56.25
PLE65	93+43.85	-36.75
PLE66	93+50.22	-43.11
PLE67	93+56.58	-36.75
PLE68	94+20.22	-36.75
PLE69	94+26.59	-43.11
PLE70	94+32.95	-36.75
PLE71	95+74.90	-36.75
PLE72	95+81.26	-43.11
PLE73	95+87.63	-36.75
PLE140	95+03.95	-43.10
PLE141	95+10.29	-36.75

POINT #	STATION	OFFSET
PLE211	91+79.00	-36.75
PLE212	91+79.00	-43.50
PLE213	91+89.00	-43.50
PLE214	91+89.00	-36.75
PLE135	95+81.01	48.75
PLE136	95+81.01	52.75
PLE137	95+67.01	52.75
PLE138	95+67.01	48.75
PLE139	94+97.60	-36.75

R/W COURSE TABLE		
FEE32 - FEE35	N 0°24'00" E	144.83'
FEE35 - FEE36	N 11°26'17" W	7.10'
FEE36 - FEE37	N 1°23'33" W	50.05'
FEE37 - FEE38	N 21°55'36" E	8.24'
FEE38 - FEE39	N 0°24'00" E	282.58'
FEE39 - FEE40	N 0°27'37" E	102.45'
FEE40 - FEE41	N 19°20'33" W	8.24'
FEE41 - FEE42	N 23°06'01" W	54.77'
FEE82 - FEE48	S 0°27'37" W	474.42'

R/W COURSE TABLE		
FEE48 - FEE49	S 0°24'00" W	79.58'
FEE49 - FEE50	S 4°12'51" W	163.44'
FEE50 - FEE51	S 2°56'35" W	25.42'
FEE82 - TLE83	N 0°24'00" E	127.79'
TLE83 - FEE36	S 88°54'13" E	39.30'
FEE37 - TLE84	N 88°54'13" W	37.73'
TLE84 - TLE85	N 0°24'00" E	289.61'
TLE85 - TLE86	N 0°27'37" E	110.58'
TLE86 - FEE41	S 89°01'15" E	37.96'
TLE109 - TLE110	S 0°27'37" W	23.00'
TLE110 - TLE111	N 89°32'23" W	34.50'
TLE111 - TLE112	S 0°27'37" W	77.00'
TLE112 - TLE113	S 89°32'23" E	52.50'
TLE113 - TLE114	S 0°26'35" W	74.88'
TLE114 - TLE115	S 89°36'00" E	93.00'
TLE115 - TLE116	S 61°43'05" E	97.29'
TLE116 - TLE117	S 89°36'00" E	95.77'
TLE117 - TLE409	S 0°24'00" W	28.55'
TLE409 - TLE408	N 89°36'00" W	72.77'
TLE408 - TLE118	S 0°24'00" W	17.45'
TLE118 - TLE119	S 88°35'02" W	216.11'
TLE119 - TLE120	S 0°24'00" W	96.65'
TLE120 - TLE121	N 89°36'00" W	34.00'
TLE121 - TLE276	S 0°24'00" W	338.00'
TLE217 - PLE211	N 0°24'00" E	122.71'
PLE211 - PLE212	N 89°36'00" W	6.75'
PLE212 - PLE213	N 0°24'00" E	10.00'

R/W COURSE TABLE		
PLE213 - PLE214	S 89°36'00" E	6.75'
PLE214 - FEE35	N 0°24'00" E	10.36'
FEE38 - PLE65	N 0°24'00" E	79.85'
PLE65 - PLE66	N 44°36'00" W	9.00'
PLE66 - PLE67	N 45°24'00" E	9.00'
PLE67 - PLE68	N 0°24'00" E	63.64'
PLE68 - PLE69	N 44°36'00" W	9.00'
PLE69 - PLE70	N 45°24'00" E	9.00'
PLE70 - PLE139	N 0°24'00" E	64.65'
PLE139 - PLE140	N 44°36'00" W	8.97'
PLE140 - PLE141	N 45°24'00" E	8.97'
PLE141 - FEE39	N 0°24'00" E	36.29'
FEE39 - PLE71	N 0°27'37" E	28.35'
PLE71 - PLE72	N 44°32'23" W	9.00'
PLE72 - PLE73	N 45°27'37" E	9.00'
PLE73 - FEE40	N 0°27'37" E	61.37'
FEE82 - PLE135	S 0°27'37" W	442.43'
PLE135 - PLE136	S 89°32'23" E	4.00'
PLE136 - PLE137	S 0°27'37" W	14.00'
PLE137 - PLE138	N 89°32'23" W	4.00'
PLE138 - FEE48	S 0°27'37" W	20.42'
FEE37 - PLE54	N 88°54'13" W	16.48'
PLE54 - PLE48	N 88°54'13" W	10.00'
PLE48 - PLE49	N 0°24'00" E	289.94'
PLE49 - PLE50	N 0°27'37" E	96.12'
PLE50 - PLE51	N 40°20'12" W	19.10'
PLE51 - PLE52	S 89°01'15" E	22.48'
PLE52 - PLE53	S 0°27'37" W	110.37'
PLE53 - PLE54	S 0°24'00" W	290.06'

REVISION DATE 3/13/12 6/14/12 6/27/12	DATE : 1/11/12	SCALE, FEET 0 40	HWY: CTH BB,MONONA DRIVE	STATE R/W PROJECT NUMBER 5994-00-00-3	PLAT SHEET 4.10	
	GRID FACTOR N/A		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-72	PS&E SHEET 373	E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040110_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

POINT #	STATION	OFFSET
FEE42	97+07.00	-66.09
FEE43	97+13.00	-36.75
FEE44	100+52.00	-36.75
FEE45	100+57.01	-39.19
FEE46	10+83.44 CE	31.95
FEE47	10+83.44 CE	41.17
FEE58	101+11.61	-39.08
FEE59	101+16.00	-36.75
FEE73	101+26.00	48.75
FEE74	101+16.17	60.49
FEE78	97+10.75	-66.06
FEE79	97+10.46	-37.86
FEE80	10+64.85 CE	41.17
FEE81	10+64.21 CE	59.86
FEE82	100+23.44	48.75
RW112	100+56.98	-33.09
RW113	100+52.98	5.39
RW114	100+50.12	32.90

POINT #	STATION	OFFSET
RW116	101+13.56	5.61
RW274	101+11.58	-33.18
RW360	101+15.71	47.80
PLE75	97+10.47	-38.25
PLE76	98+62.94	-38.25
PLE77	98+62.94	-36.75
PLE204	101+11.64	-43.50
PLE205	101+22.50	-43.50
PLE206	101+22.50	-36.75
PLE207	10+65.74 CE	-33.02
PLE208	10+65.74 CE	-40.50
PLE209	10+85.74 CE	-40.50
PLE210	10+85.74 CE	-33.06
PLE215	97+19.50	-38.25
PLE216	97+19.50	-43.50
PLE217	97+29.50	-43.50

POINT #	STATION	OFFSET
PLE218	97+29.50	-38.25
TIE4	100+53.54	0.00
TIE6	101+13.27	0.00
TLE87	97+07.18	-86.50
TLE88	97+18.00	-61.50
TLE89	98+24.00	-61.50
TLE90	98+24.00	-72.50
TLE91	98+70.00	-72.50
TLE92	98+70.00	-61.50
TLE93	99+80.00	-61.50
TLE94	99+80.00	-76.50
TLE95	100+12.00	-76.50
TLE96	100+12.00	-50.00
TLE97	100+57.07	-50.00
TLE98	8+54.17 CW	35.32
TLE99	8+54.12 CW	26.69
TLE100	11+65.11 CE	31.78
TLE101	11+60.00 CE	47.50
TLE102	100+36.22	78.32

POINT #	STATION	OFFSET
TLE103	100+17.06	60.50
TLE104	99+75.00	60.50
TLE105	99+53.00	75.50
TLE106	99+25.00	75.50
TLE107	99+10.00	55.50
TLE108	97+53.00	55.50
TLE109	97+00.00	97.00
TLE127	8+88.87 CW	-27.87
TLE128	101+16.00	-53.50
TLE129	102+00.00	-53.50
TLE130	102+25.00	-62.00
TLE131	102+40.00	-62.00
TLE132	102+50.00	-53.50
TLE165	101+52.00	68.50
TLE166	11+02.13 CE	-48.40
TLE167	11+63.75 CE	-48.35
TLE168	11+63.78 CE	-33.21
TLE400	9+03.17 CW	26.74
TLE401	9+03.16 CW	35.09

CITY OF MONONA

WATER MAIN EASEMENT DOC. NO. 970395

BLOCK 2 PLAT OF SPRINGHAVEN

LOT 3 LOT 2 LOT 1

54 MONONA QUARTER LLC

T.L.E.-SLOPES 416 S.F.

T.L.E.-SLOPES 2,440 S.F.

T.L.E.-SLOPES 1,531 S.F.

T.L.E.-SLOPES 4,905 S.F.

P.L.E.-LANDSCAPING 280 S.F.

MONONA EVANGELICAL LUTHERAN CHURCH 52 LOT 6 LOT 5 LOT 4 LOT 7

MADISON GAS & ELECTRIC (ELECTRIC)

CITY OF MONONA (SANITARY SEWER)

KENNETH W. & JANIS R. PULLIAM 53

CONCRETE MONUMENT W/ BRASS CAP Y = 480,857.867 X = 836,688.555

SE-NE 17 T 7 N R 10 E 16

WEST COLDSPRING AVENUE

S 89°16'10" E

56 JOSE R. CUEVAS & ANA L. ROBLES PART OF OUTLOT 59 ASSESSOR'S PLAT OF SHORE ACRES

57 YVETTE R. FERRIS LOT 2 CSM 1530

58 DANE COUNTY HOUSING AUTHORITY CSM 1530 VOL. 6 P. 247 LOT 1

59 PATRICIA C. ADAIR OUTLOT 58 ASSESSOR'S PLAT OF SHORE ACRES

NE-NE 17 T 7 N R 10 E 16

CONCRETE MONUMENT W/ BRASS CAP Y = 483,499.918 X = 836,719.359

T.L.E.-SLOPES 771 S.F.

T.L.E.-SLOPES 721 S.F.

T.L.E.-SLOPES 959 S.F.

T.L.E.-SLOPES 1,116 S.F.

CITY OF MONONA (WATER)

CHARTER COMMUNICATIONS (COMMUNICATIONS)

P.L.E.-UTILITY 68 S.F.

55' 44' 37' 37' 46'

GN

4 4

MATCH LINE

S 0°40'05" W 1,291.24' TO RW109

100+83.63 = 10+00.00 CW

N 0°27'37" E

100+81.06 = 10+00.00 CE

N 0°40'05" E 1,030.26' TO RW117

CITY OF MADISON (WATER) RELEASE OF RIGHTS EASEMENT - PARCEL 51 101

MONONA DRIVE

S 0°40'05" W 1,266.48' TO TIE3

N 0°40'05" E 2,642.23' (COR. TO COR.)

CAUTION

T.L.E.-SLOPES 37,890 S.F.

CITY OF MADISON (WATER)

MADISON GAS & ELECTRIC (GAS)

48.75' 36.75' 66'

97+00 98+00 99+00 100+00 101+00 102+00 103+00

R/W COURSE TABLE		
RW109 - RW116	N 0°40'05" E	1,351.82'
RW116 - TIE6	S 87°32'30" W	5.62'
TIE6 - RW274	S 87°32'30" W	33.23'
RW274 - FEE58	N 89°12'26" W	5.90'
FEE58 - FEE59	N 28°26'56" E	4.97'
FEE59 - FEE60	N 0°27'37" E	576.33'
FEE72 - FEE73	S 0°27'37" W	205.76'
FEE73 - FEE74	S 49°34'56" E	15.31'
FEE74 - RW360	S 88°22'59" W	12.69'
RW360 - RW116	S 87°32'30" W	42.24'
RW274 - TLE127	N 89°12'26" W	77.82'
TLE127 - TLE128	N 86°30'33" E	57.64'
TLE128 - TLE129	N 0°27'37" E	84.00'
TLE129 - TLE130	N 18°19'04" W	26.40'
TLE130 - TLE131	N 0°27'37" E	15.00'
TLE131 - TLE132	N 40°49'29" E	13.12'
TLE132 - TLE133	N 0°27'37" E	150.00'
TLE164 - TLE165	S 0°27'37" W	175.00'
TLE165 - TLE166	S 58°41'07" E	37.18'
TLE166 - TLE167	N 88°32'18" E	61.62'
TLE167 - TLE168	S 1°37'01" E	15.14'
RW360 - RW116	S 87°32'30" W	114.82'
FEE42 - TLE87	N 89°01'15" W	25.07'

R/W COURSE TABLE		
TLE87 - TLE88	N 67°03'55" E	27.24'
TLE88 - TLE89	N 0°27'37" E	106.00'
TLE89 - TLE90	N 89°32'23" W	11.00'
TLE90 - TLE91	N 0°27'37" E	46.00'
TLE91 - TLE92	S 89°32'23" E	11.00'
TLE92 - TLE93	N 0°27'37" E	110.00'
TLE93 - TLE94	N 89°32'23" W	15.00'
TLE94 - TLE95	N 0°27'37" E	30.00'
TLE95 - TLE96	S 89°32'23" E	26.50'
TLE96 - TLE97	N 0°27'37" E	45.07'
TLE97 - TLE400	N 89°12'26" W	46.95'
TLE400 - TLE401	S 0°47'34" W	8.35'
TLE401 - TLE98	N 89°32'23" W	49.00'
TLE98 - TLE99	N 0°27'37" E	8.63'
TLE99 - RW112	S 89°12'26" E	112.91'
RW114 - TLE100	N 88°22'59" E	133.29'
TLE100 - TLE101	S 16°30'03" W	16.52'
TLE101 - TLE102	S 88°29'48" W	83.26'
TLE102 - TLE103	S 43°23'33" W	26.16'
TLE103 - TLE104	S 0°27'37" W	42.06'
TLE104 - TLE105	S 33°49'36" E	26.63'
TLE105 - TLE106	S 0°27'37" W	28.00'
TLE106 - TLE107	S 53°35'25" W	25.00'

R/W COURSE TABLE		
TLE107 - TLE108	S 0°27'37" W	157.00'
TLE108 - TLE109	S 37°36'05" E	67.31'
TLE109 - TLE110	S 0°27'37" W	23.00'
FEE78 - PLE75	S 88°57'50" E	23.15'
PLE75 - PLE215	N 0°27'37" E	9.03'
PLE215 - PLE216	N 89°32'23" W	5.25'
PLE216 - PLE217	N 0°27'37" E	10.00'
PLE217 - PLE218	S 89°32'23" E	5.25'
PLE218 - PLE76	N 0°27'537 E	133.44'
PLE76 - PLE77	S 89°32'23" E	1.50'
PLE77 - FEE44	N 0°27'37" E	189.06'
FEE58 - PLE204	N 89°12'26" W	4.42'
PLE204 - PLE205	N 0°27'37" E	10.86'
PLE205 - PLE206	S 89°32'22" E	6.75'
PLE206 - FEE59	S 0°27'37" W	6.50'
FEE74 - PLE207	N 88°22'59" E	4.09'
PLE207 - PLE208	N 1°30'12" W	7.48'
PLE208 - PLE209	N 88°29'48" E	20.00'
PLE209 - PLE210	S 1°30'12" E	7.44'
PLE210 - PLE207	S 88°22'59" W	20.00'

R/W COURSE TABLE		
FEE41 - FEE42	N 27°23'35" W	56.83'
FEE42 - FEE78	N 1°02'09" E	3.75'
FEE78 - FEE79	S 88°57'50" E	28.19'
FEE79 - FEE43	N 24°10'07" E	2.77'
FEE43 - FEE44	N 0°27'37" E	339.00'
FEE44 - FEE45	N 25°28'55" W	5.57'
FEE45 - RW112	S 89°12'26" E	6.09'
RW112 - TIE4	S 83°36'42" E	33.27'
TIE4 - RW113	S 83°36'42" E	5.42'
RW113 - RW114	S 83°36'42" E	27.66'
RW114 - FEE46	N 88°22'59" E	51.61'
FEE46 - FEE47	S 1°30'12" E	9.22'
FEE47 - FEE80	S 88°29'48" W	18.58'
FEE80 - FEE81	S 0°27'37" W	18.71'
FEE81 - FEE82	N 89°32'23" W	17.48'
FEE82 - FEE48	S 0°27'37" W	476.85'

51 MONONA GROVE UNION HIGH SCHOOL

SW-NW 16

CITY OF MONONA

EAST COLDSPRING AVENUE

N 88°29'48" E 1,100.00' CE

65'

CITY OF MADISON (SANITARY SEWER) APPROX. LOCATION OF 20' SANITARY SEWER EASEMENT VOL. 262 P. 318 DOC. NO. 861711

P.L.E.-UTILITY 149 S.F.

CITY OF MADISON (SANITARY SEWER) TEMP & RELEASE OF RIGHTS EASEMENT & UNDERGROUND SANITARY PARCEL 61, 62 106

T.L.E.-SLOPES 4,981 S.F.

T.L.E.-SLOPES 2,781 S.F.

AT&T WISCONSIN (COMMUNICATIONS)

SLOPE INTERCEPT (TYP.) 54'

62 TODD E. BORCHERDING & BRENDA R. HASKINS LOT 2

61 SCHOOL DISTRICT OF MONONA GROVE LOT 1

BLOCK 2 PLAT OF QUAKER HEIGHTS

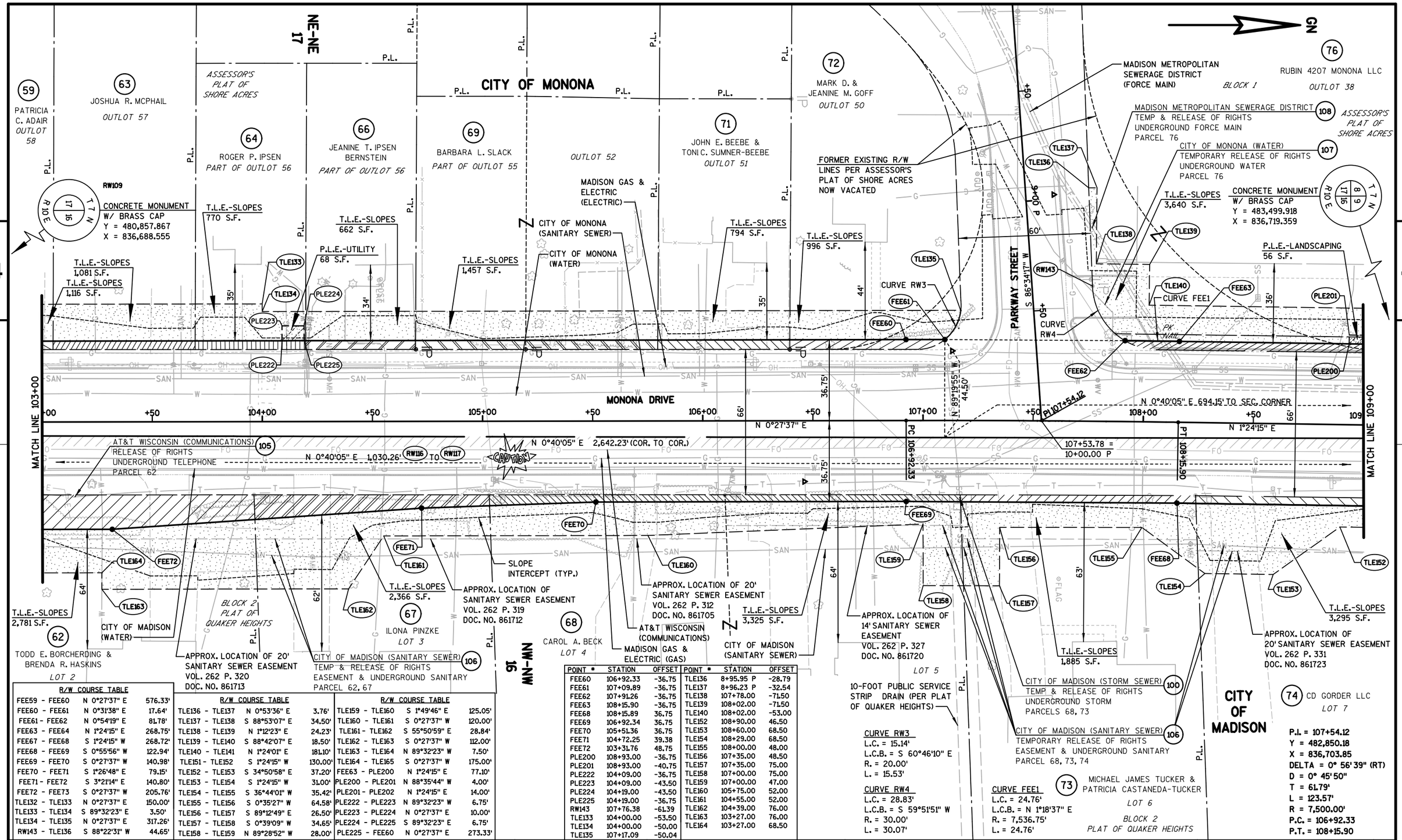
NW-NW 16

CITY OF MADISON

REVISION DATE 3/13/12 N.C. 6/14/12 6/27/12 N.C.	DATE : 1/11/12	SCALE, FEET 0 40	HWY: CTH BB,MONONA DRIVE	STATE R/W PROJECT NUMBER 5994-00-00-3	PLAT SHEET 4.11
	GRID FACTOR N/A		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-72	PS&E SHEET 374 E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040111_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 75



R/W COURSE TABLE		
FEE59 - FEE60	N 0°27'37" E	576.33'
FEE60 - FEE61	N 0°31'38" E	17.64'
FEE61 - FEE62	N 0°54'19" E	81.78'
FEE63 - FEE64	N 1°24'15" E	268.75'
FEE67 - FEE68	S 1°24'15" W	268.72'
FEE68 - FEE69	S 0°55'56" W	122.94'
FEE69 - FEE70	S 0°27'37" W	140.98'
FEE70 - FEE71	S 1°26'48" E	79.15'
FEE71 - FEE72	S 3°21'14" E	140.80'
FEE72 - FEE73	S 0°27'37" W	205.76'
TLE132 - TLE133	N 0°27'37" E	150.00'
TLE133 - TLE134	S 89°32'23" E	3.50'
TLE134 - TLE135	N 0°27'37" E	317.26'
RW143 - TLE136	S 88°22'31" W	44.65'

R/W COURSE TABLE		
TLE136 - TLE137	N 0°53'36" E	3.76'
TLE137 - TLE138	S 88°53'07" E	34.50'
TLE138 - TLE139	N 1°12'23" E	24.23'
TLE139 - TLE140	S 88°42'07" E	18.50'
TLE140 - TLE141	N 1°24'01" E	181.10'
TLE151 - TLE152	S 1°24'15" W	130.00'
TLE152 - TLE153	S 34°50'58" E	37.20'
TLE153 - TLE154	S 1°24'15" W	31.00'
TLE154 - TLE155	S 36°44'01" W	35.42'
TLE155 - TLE156	S 0°35'27" W	64.58'
TLE156 - TLE157	S 89°12'49" E	26.50'
TLE157 - TLE158	S 0°39'09" W	34.65'
TLE158 - TLE159	N 89°28'52" W	28.00'

R/W COURSE TABLE		
TLE159 - TLE160	S 1°49'46" E	125.05'
TLE160 - TLE161	S 0°27'37" W	120.00'
TLE161 - TLE162	S 55°50'59" E	28.84'
TLE162 - TLE163	S 0°27'37" W	112.00'
TLE163 - TLE164	N 89°32'23" W	7.50'
TLE164 - TLE165	S 0°27'37" W	175.00'
FEE63 - PLE200	N 1°24'15" E	77.10'
PLE200 - PLE201	N 88°35'44" W	4.00'
PLE201 - PLE202	N 1°24'15" E	14.00'
PLE222 - PLE223	N 89°32'23" W	6.75'
PLE223 - PLE224	N 0°27'37" E	10.00'
PLE224 - PLE225	S 89°32'23" E	6.75'
PLE225 - FEE60	N 0°27'37" E	273.33'

POINT #	STATION	OFFSET
FEE60	106+92.33	-36.75
FEE61	107+09.89	-36.75
FEE62	107+91.26	-36.75
FEE63	108+15.90	-36.75
FEE68	108+15.89	36.75
FEE69	106+92.34	36.75
FEE70	105+51.36	36.75
FEE71	104+72.25	39.38
FEE72	103+31.76	48.75
PLE200	108+93.00	-36.75
PLE201	108+93.00	-40.75
PLE222	104+09.00	-36.75
PLE223	104+09.00	-43.50
PLE224	104+19.00	-43.50
PLE225	104+19.00	-36.75
RW143	107+76.38	-61.39
TLE133	104+00.00	-53.50
TLE134	104+00.00	-50.00
TLE135	107+17.09	-50.04

POINT #	STATION	OFFSET
TLE136	8+95.95 P	-28.79
TLE137	8+96.23 P	-32.54
TLE138	107+78.00	-71.50
TLE139	108+02.00	-71.50
TLE140	108+02.00	-53.00
TLE152	108+90.00	46.50
TLE153	108+60.00	68.50
TLE154	108+29.00	68.50
TLE155	108+00.00	48.00
TLE156	107+35.00	48.50
TLE157	107+35.00	75.00
TLE158	107+00.00	75.00
TLE159	107+00.00	47.00
TLE160	105+75.00	52.00
TLE161	104+55.00	52.00
TLE162	104+39.00	76.00
TLE163	103+27.00	76.00
TLE164	103+27.00	68.50

CURVE RW3	
L.C. =	15.14'
L.C.B. =	S 60°46'10" E
R. =	20.00'
L. =	15.53'

CURVE RW4	
L.C. =	28.83'
L.C.B. =	S 59°51'51" W
R. =	30.00'
L. =	30.07'

CURVE FEE1	
L.C. =	24.76'
L.C.B. =	N 1°18'37" E
R. =	7,536.75'
L. =	24.76'

REVISION DATE	
3/13/12	
6/14/12	N.C.
6/27/12	N.C.

DATE : 1/11/12

GRID FACTOR N/A

SCALE, FEET 0 40

HWY: CTH BB,MONONA DRIVE

COUNTY: DANE

STATE R/W PROJECT NUMBER 5994-00-00-3

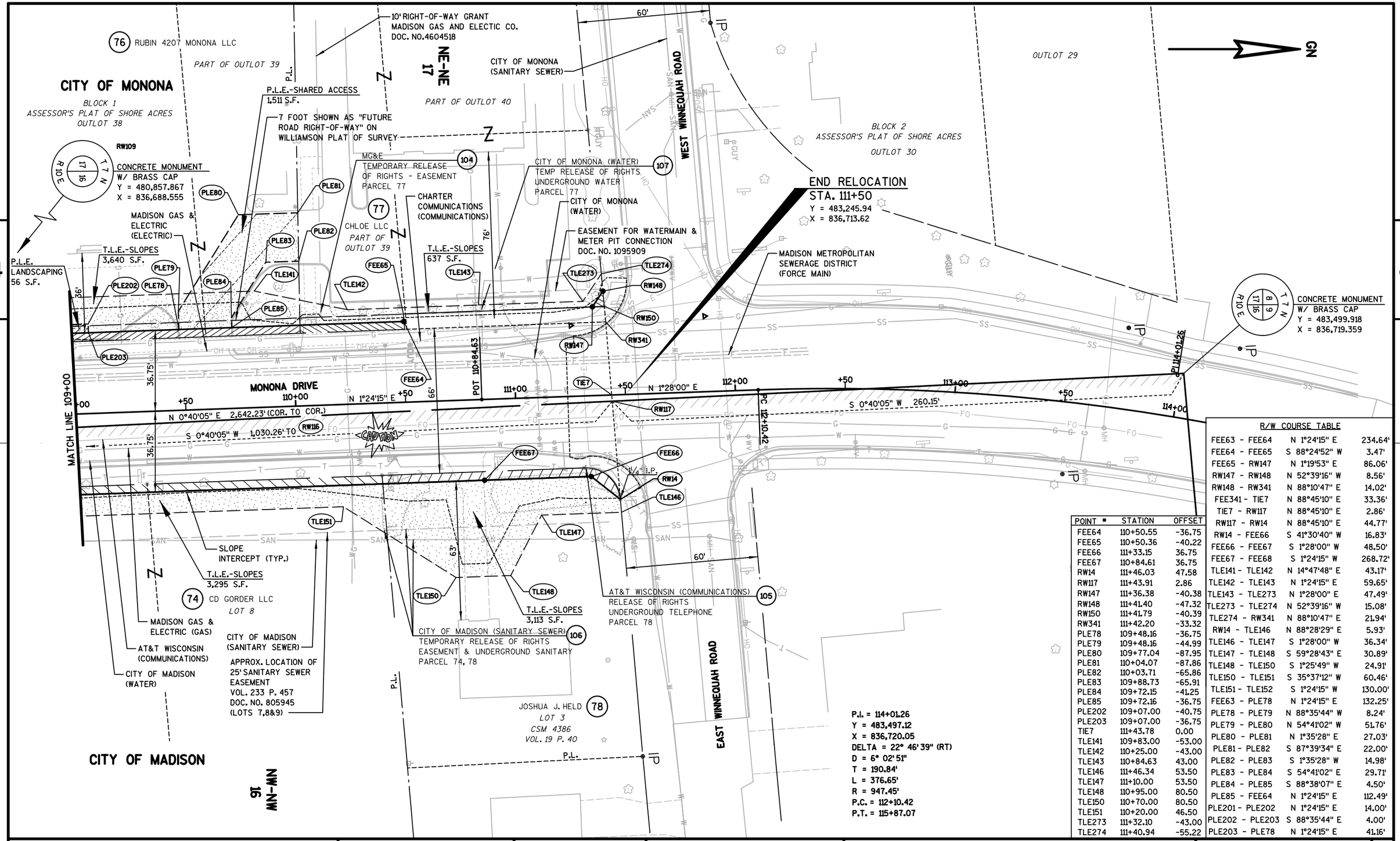
CONSTRUCTION PROJECT NUMBER 5994-00-72

PLAT SHEET 4.12

PS&E SHEET 375 E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040112_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 75



P.I. = 114+01.26
Y = 483,497.12
X = 836,720.05
DELTA = 22° 46' 39" (RT)
D = 6° 02' 51"
T = 190.84'
L = 376.65'
R = 947.45'
P.C. = 112+10.42
P.T. = 115+87.07

POINT #	STATION	OFFSET
FEE64	110+50.55	-36.75
FEE65	110+50.36	-40.22
FEE66	111+33.15	36.75
FEE67	110+84.61	36.75
RW14	111+46.03	47.58
RW117	111+43.91	2.86
RW147	111+36.38	-40.38
RW148	111+41.40	-47.32
RW150	111+41.79	-40.39
RW341	111+42.20	-33.32
PLE78	109+48.16	-36.75
PLE79	109+48.16	-44.99
PLE80	109+77.04	-87.95
PLE81	110+04.07	-87.86
PLE82	110+03.71	-65.86
PLE83	109+88.73	-65.91
PLE84	109+72.15	-41.25
PLE85	109+72.16	-36.75
PLE202	109+07.00	-40.75
PLE203	109+07.00	-36.75
TIE7	111+43.78	0.00
TLE141	109+83.00	-53.00
TLE142	110+25.00	-43.00
TLE143	110+84.63	43.00
TLE146	111+46.34	53.50
TLE147	111+10.00	53.50
TLE148	110+95.00	80.50
TLE150	110+70.00	80.50
TLE151	110+20.00	46.50
TLE273	111+32.10	-43.00
TLE274	111+40.94	-55.22

R/W COURSE TABLE

FEE63 - FEE64	N 1°24'15" E	234.64'
FEE64 - FEE65	S 88°24'52" W	3.47'
FEE65 - RW147	N 1°19'53" E	86.06'
RW147 - RW148	N 52°39'16" W	8.56'
RW148 - RW341	N 88°10'47" E	14.02'
FEE341 - TIE7	N 88°45'10" E	33.36'
TIE7 - RW117	N 88°45'10" E	2.86'
RW117 - RW14	N 88°45'10" E	44.77'
RW14 - FEE66	S 41°30'40" W	16.83'
FEE66 - FEE67	S 1°28'00" W	48.50'
FEE67 - FEE68	S 1°24'15" W	268.72'
TLE141 - TLE142	N 14°47'48" E	43.17'
TLE142 - TLE143	N 1°24'15" E	59.65'
TLE143 - TLE273	N 1°28'00" E	47.49'
TLE273 - TLE274	N 52°39'16" W	15.08'
TLE274 - RW341	N 88°10'47" E	21.94'
RW14 - TLE146	N 88°28'29" E	5.93'
TLE146 - TLE147	S 1°28'00" W	36.34'
TLE147 - TLE148	S 59°28'43" E	30.89'
TLE148 - TLE150	S 1°25'49" W	24.91'
TLE150 - TLE151	S 35°37'12" W	60.46'
TLE151 - TLE152	S 1°24'15" W	130.00'
FEE63 - PLE78	N 1°24'15" E	132.25'
PLE78 - PLE79	N 88°35'44" W	8.24'
PLE79 - PLE80	N 54°41'02" W	51.76'
PLE80 - PLE81	N 1°35'28" E	27.03'
PLE81 - PLE82	S 87°39'34" E	22.00'
PLE82 - PLE83	S 1°35'28" W	14.98'
PLE83 - PLE84	S 54°41'02" E	29.71'
PLE84 - PLE85	S 88°38'07" E	4.50'
PLE85 - FEE64	N 1°24'15" E	112.49'
PLE201 - PLE202	N 1°24'15" E	14.00'
PLE202 - PLE203	S 88°35'44" E	4.00'
PLE203 - PLE78	N 1°24'15" E	41.16'

REVISION DATE 3/13/12 6/14/12 N.C. 6/27/12 N.C.	DATE : 1/11/12	SCALE, FEET 0 40	HWY: CTH BB,MONONA DRIVE	STATE R/W PROJECT NUMBER 5994-00-00-03	PLAT SHEET 4.13
	GRID FACTOR N/A		COUNTY: DANE	CONSTRUCTION PROJECT NUMBER 5994-00-72	PS&E SHEET E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040113_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

SHEET 4.9

R/W COURSE TABLE		
FEE18 - FEE19	N 0°24'00" E	1,404.65'
FEE19 - FEE20	N 2°18'18" W	58.27'
FEE20 - HE21	N 0°24'00" E	124.61'
HE21 - HE22	N 48°14'09" W	6.94'
HE22 - RW107	S 89°02'32" E	14.85'
RW107 - RW108	N 89°26'20" E	32.96'
FEE13 - FEE14	N 0°24'00" E	65.87'
FEE14 - FEE15	N 3°24'51" W	41.34'
FEE15 - FEE16	N 0°24'00" E	108.85'
FEE16 - FEE17	N 66°05'22" E	49.59'
FEE17 - RW106	S 88°33'22" W	35.08'
RW106 - TIE2	S 89°26'20" W	47.39'
TIE2 - RW108	S 89°26'20" W	0.15'
RW108 - RW104	S 0°27'56" W	2,504.59'
RW109 - TIE3	N 0°40'05" E	24.76'
TIE3 - RW111	N 89°19'55" W	32.92'
RW111 - FEE23	N 89°02'32" W	216.17'
FEE23 - FEE24	N 87°56'21" E	66.61'
FEE24 - FEE25	S 87°46'46" E	20.09'
FEE25 - FEE26	N 87°56'21" E	28.24'
FEE26 - FEE27	N 85°24'36" E	21.31'
FEE27 - FEE28	N 87°46'26" E	38.49'
FEE28 - FEE29	N 3°33'36" W	9.34'
FEE29 - FEE75	N 86°26'24" E	18.62'
FEE75 - FEE76	N 0°24'00" E	18.88'
FEE76 - FEE77	S 89°36'00" E	13.87'
FEE77 - FEE30	N 0°24'00" E	122.28'
FEE30 - FEE31	N 4°12'51" E	73.24'
FEE31 - FEE32	N 2°18'25" E	33.89'
FEE32 - FEE35	N 0°24'00" E	144.83'
FEE51 - FEE52	S 0°24'00" W	232.86'
FEE52 - FEE53	S 0°52'16" E	25.42'
FEE53 - FEE54	S 3°24'51" E	81.72'
FEE54 - FEE55	S 0°24'00" W	129.66'
FEE55 - FEE56	S 36°11'26" E	20.84'
FEE56 - FEE57	S 88°59'34" E	95.49'
FEE57 - RW115	S 1°26'38" E	24.64'
RW115 - TIE10	S 88°33'22" W	90.70'
TIE10 - TIE5	S 88°33'22" W	60.83'
TIE5 - RW109	S 88°33'22" W	0.11'
TLE61 - TLE62	N 0°24'00" E	120.50'
TLE62 - TLE63	N 89°36'00" W	27.50'
TLE63 - TLE64	N 0°24'00" E	124.00'
TLE64 - TLE65	N 76°11'36" E	29.77'
TLE65 - TLE66	N 5°13'04" E	48.37'
TLE66 - TLE67	N 88°57'40" W	67.15'
TLE67 - TLE68	N 75°43'15" W	23.97'
TLE68 - TLE69	N 89°36'00" W	33.00'
TLE69 - TLE70	S 82°22'43" W	89.09'
TLE70 - RW118	N 0°29'29" E	17.68'
RW118 - RW107	S 89°02'32" E	240.09'
TLE172 - TLE28	N 0°24'00" E	39.00'
TLE28 - TLE29	N 6°30'56" E	70.40'
TLE29 - TLE30	N 0°24'00" E	112.00'
TLE30 - TLE31	S 89°36'00" E	48.50'
TLE31 - TLE32	N 83°19'08" E	162.24'
TLE32 - TLE33	N 0°24'00" E	5.62'
TLE33 - RW106	S 88°33'22" W	229.14'
RW111 - RW119	N 89°02'32" W	240.18'
RW119 - TLE71	N 0°22'07" E	11.00'
TLE71 - TLE72	N 85°54'05" E	127.49'
TLE72 - TLE73	S 89°36'00" E	69.50'
TLE73 - TLE74	N 45°24'00" E	21.21'
TLE74 - TLE75	N 0°24'00" E	123.00'
TLE75 - TLE76	N 89°36'00" W	46.50'
TLE76 - TLE77	N 0°24'00" E	57.00'
TLE77 - TLE78	N 89°36'00" W	36.00'

SHEET 4.9 CONTINUED

R/W COURSE TABLE		
TLE78 - TLE79	N 0°24'00" E	27.00'
TLE79 - TLE80	S 89°36'00" E	42.50'
TLE80 - TLE81	N 0°24'00" E	45.93'
TLE81 - TLE82	S 88°14'47" E	24.01'
TLE82 - TLE83	N 0°24'00" E	127.79'
TLE121 - TLE276	S 0°24'00" W	338.00'
TLE276 - TLE122	S 89°36'00" E	10.00'
TLE122 - TLE123	S 20°03'14" W	44.60'
TLE123 - TLE275	N 89°36'00" W	5.00'
TLE275 - TLE149	S 0°24'00" W	58.00'
TLE149 - TLE272	N 89°36'00" W	5.00'
TLE272 - TLE124	S 0°24'00" W	68.00'
TLE124 - TLE125	S 42°45'09" E	21.93'
TLE125 - TLE126	S 0°24'00" W	15.86'
TLE126 - FEE57	S 88°59'34" E	83.66'
PLE25 - FEE19	N 0°24'00" E	174.15'
FEE19 - TLE208	N 2°18'18" W	0.51'
TLE208 - PLE26	N 89°15'12" W	32.67'
PLE26 - PLE27	N 0°50'39" E	116.69'
PLE27 - PLE39	S 88°55'42" E	29.04'
PLE39 - FEE21	N 0°24'00" E	65.76'
FEE31 - PLE28	N 2°18'25" E	8.88'
PLE28 - PLE29	N 89°38'32" W	60.15'
PLE29 - PLE30	N 0°21'28" E	27.55'
PLE30 - TLE217	S 88°54'13" E	61.01'
TLE217 - PLE211	N 0°24'00" E	122.71'
FEE27 - PLE129	S 87°46'26" W	28.49'
PLE129 - PLE130	N 2°13'34" W	7.00'
PLE130 - PLE131	N 87°46'26" E	9.84'
PLE131 - FEE29	N 3°33'36" W	2.34'
FEE76 - PLE132	N 89°36'00" W	7.12'
PLE132 - PLE133	N 0°24'00" E	10.00'
PLE133 - PLE134	S 89°36'00" E	6.75'
PLE134 - FEE30	N 0°24'00" E	112.28'
FEE23 - PLE219	N 89°02'32" W	10.73'
PLE219 - PLE220	N 1°00'26" E	6.54'
PLE220 PLE221	S 88°59'33" E	10.73'
PLE221 - FEE23	S 1°00'26" W	6.53'

POINT #	NORTHING	EASTING
FEE1	478315.49	836596.91
FEE2	478316.90	836609.10
FEE3	478750.35	836633.95
FEE4	479159.44	836636.81
FEE5	479162.83	836634.67
FEE6	479223.02	836626.36
FEE7	478320.57	836729.96
FEE8	478339.45	836712.07
FEE9	478749.70	836713.95
FEE10	480525.85	836726.35
FEE11	480525.86	836725.35
FEE12	480590.85	836725.81
FEE13	480590.85	836726.81
FEE14	480656.72	836727.27
FEE15	480697.99	836724.80
FEE16	480806.83	836725.56
FEE17	480826.93	836770.90
FEE18	479233.44	836637.33
FEE19	480638.06	836647.13
FEE20	480696.28	836644.79
FEE21	480820.89	836645.66
FEE22	480825.51	836640.49
FEE23	480886.62	836439.79
FEE24	480889.02	836506.35
FEE25	480888.24	836526.43
FEE26	480889.25	836554.65
FEE27	480890.96	836575.89
FEE28	480892.45	836614.35
FEE29	480901.77	836613.77
FEE30	481043.99	836647.22
FEE30	481043.99	836647.22
FEE31	481117.03	836652.60
FEE32	481150.90	836653.96
FEE35	481295.73	836654.98
FEE36	481302.69	836653.57
FEE37	481352.72	836652.35
FEE38	481360.36	836655.43
FEE39	481642.94	836657.40
FEE40	481745.39	836658.22
FEE41	481753.17	836655.49
FEE42	481803.63	836629.35
FEE43	481809.39	836658.74
FEE44	482148.38	836661.46
FEE45	482153.41	836659.06
FEE46	482147.40	836782.69
FEE47	482138.18	836782.93
FEE48	481642.30	836742.90
FEE49	481562.72	836742.34
FEE50	481399.72	836730.33
FEE51	481374.33	836729.03
FEE52	481141.47	836727.40
FEE53	481116.05	836727.79
FEE54	481034.48	836732.65
FEE55	480904.82	836731.75
FEE56	480888.00	836744.05
FEE57	480886.32	836839.53
FEE58	482208.01	836659.61
FEE59	482212.38	836661.97
FEE60	482788.69	836666.60
FEE61	482806.33	836666.77
FEE62	482888.10	836668.06
FEE63	482912.85	836668.62
FEE64	483147.42	836674.38
FEE65	483147.33	836670.91
FEE66	483228.16	836749.93
FEE67	483179.68	836748.69
FEE68	482911.04	836742.10
FEE69	482788.11	836740.10
FEE70	482647.13	836738.97
FEE71	482568.01	836740.97
FEE72	482427.45	836749.20
FEE73	482221.69	836747.55
FEE74	482211.76	836759.21
FEE75	480902.93	836632.36
FEE76	480921.81	836632.49
FEE77	480921.71	836646.36
FEE78	481807.37	836629.41
FEE79	481806.86	836657.60
FEE80	482137.70	836764.35
FEE81	482118.99	836764.20
FEE82	482119.13	836746.73
HE21	480820.89	836645.66
HE22	480825.51	836640.49

POINT #	NORTHING	EASTING
PLE1	478894.48	836634.96
PLE2	478894.72	836601.15
PLE3	478924.72	836601.36
PLE4	478924.48	836635.17
PLE5	478996.49	836635.67
PLE6	478996.50	836634.17
PLE7	479161.79	836635.33
PLE8	479232.00	836635.82
PLE9	479541.44	836637.98
PLE10	479541.43	836639.48
PLE11	479761.15	836641.01
PLE12	479761.57	836581.27
PLE13	479784.94	836581.44
PLE14	479784.65	836641.18
PLE15	479784.66	836639.68
PLE16	479903.14	836640.50
PLE17	479903.12	836642.00
PLE18	480030.61	836642.89
PLE19	480030.62	836641.64
PLE20	480068.80	836641.91
PLE21	480068.79	836643.16
PLE22	480361.91	836645.21
PLE23	480361.94	836641.46
PLE24	480463.94	836642.17
PLE25	480463.91	836645.92
PLE26	480638.99	836614.44
PLE27	480755.67	836616.16
PLE28	481125.91	836652.96
PLE29	481126.28	836592.80
PLE30	481153.83	836592.98
PLE34	479783.50	836641.17
PLE39	480755.13	836645.20
PLE48	481353.23	836625.88
PLE49	481643.16	836627.90
PLE50	481739.28	836628.67
PLE51	481753.84	836616.31
PLE52	481753.46	836638.79
PLE53	481643.09	836637.90
PLE54	481353.04	836635.88
PLE65	481440.22	836655.98
PLE66	481446.63	836649.66
PLE67	481452.94	836656.07
PLE68	481516.58	836656.52
PLE69	481522.99	836650.20
PLE70	481529.31	836656.61
PLE71	481671.29	836657.63
PLE72	481677.71	836651.31
PLE73	481684.02	836657.73
PLE75	481806.87	836657.22
PLE76	481959.34	836658.44
PLE77	481959.33	836659.94
PLE78	483045.06	836671.87
PLE79	483045.27	836663.63
PLE80	483075.19	836621.39
PLE81	483102.21	836622.14
PLE82	483101.31	836644.13
PLE83	483086.34	836643.71
PLE84	483069.16	836667.95
PLE85	483069.06	836672.45
PLE86	478341.47	836630.39
PLE87	478341.50	836625.39
PLE88	478351.50	836625.30
PLE89	478351.47	836630.30
PLE90	478334.12	836630.46
PLE91	478379.09	836630.05
PLE92	478379.10	836631.06
PLE93	478751.45	836633.96
PLE94	478751.50	836627.21
PLE95	478761.50	836627.28
PLE96	478761.45	836634.03
PLE101	479224.59	836628.01
PLE102	479228.46	836624.34
PLE103	479235.35	836631.59
PLE104	479231.48	836635.26
PLE105	479473.44	836637.50
PLE106	479473.46	836635.00
PLE107	479459.46	836634.90
PLE108	479459.44	836637.40
PLE109	479451.44	836637.35
PLE110	479451.48	836632.10
PLE111	479441.48	836632.03
PLE112	479441.44	836637.28
PLE113	479688.54	836640.50

POINT #	NORTHING	EASTING
PLE114	479688.55	836639.25
PLE115	479757.66	836639.74
PLE116	479757.66	836640.99
PLE117	480420.44	836641.86
PLE118	480420.46	836638.86
PLE119	480430.46	836638.93
PLE120	480430.44	836641.93
PLE121	480564.41	836646.62
PLE122	480564.43	836642.62
PLE123	480578.43	836642.72
PLE124	480578.41	836646.72
PLE125	480014.42	836642.78
PLE126	480014.47	836636.03
PLE127	480024.47	836636.10
PLE128	480024.42	836642.85
PLE129	480892.07	836604.36
PLE130	480899.06	836604.09
PLE131	480899.44	836613.92
PLE132	480921.76	836639.61
PLE133	480931.76	836639.68
PLE134	480931.71	836646.43
PLE135	481676.72	836743.17
PLE136	481676.69	836747.17
PLE137	481662.69	836747.06
PLE138	481662.72	836743.06
PLE139	481593.96	836657.06
PLE140	481600.35	836650.76
PLE141	481606.65	836657.15
PLE200	482989.92	836670.51
PLE201	482990.02	836666.52
PLE202	483004.02	836666.86
PLE203	483003.92	836670.86
PLE204	482208.07	836655.19
PLE205	482218.93	836655.28
PLE206	482218.87	836662.03
PLE207	482211.88	836763.29
PLE208	482219.36	836763.10
PLE209	482219.88	836783.09
PLE210	482212.44	836783.29
PLE211	481275.37	836654.83
PLE212	481275.41	836648.08
PLE213	481285.41	836648.15
PLE214	481285.37	836654.90
PLE215	481815.90	836657.29
PLE216	481815.95	836652.04
PLE217	481825.94	836652.12
PLE218	481825.90	836657.37
PLE219	480886.80	836429.05
PLE220	480893.34	836429.17
PLE221	480893.15	836439.90
PLE222	482505.37	836664.33
PLE223	482505.42	836657.58
PLE224	482515.42	836657.66
PLE225	482515.37	836664.41
PLE226	478599.82	836632.49
PLE227	478599.89	836621.99
PLE228	478621.90	836622.14
PLE229	478621.83	836632.63
RW100	478198.86	836666.94
RW101	478314.75	836667.89
RW102	478750.35	836633.46
RW103	479222.62	836644.33
RW104	478321.07	836667.94
RW105	479222.37	836675.26
RW106	480826.05	836735.83
RW107	480825.26	836655.33
RW108	480825.58	836688.29
RW109	480857.87	836688.55
RW110	480882.62	836688.84
RW111	480883.01	836655.92
RW112	482153.33	836665.16
RW113	482149.02	836703.61
RW114	482145.94	836731.09
RW115	480861.69	836840.15
RW116	482209.59	836704.31
RW117	483239.79	836716.32
RW121	478315.24	836607.03
RW147	483233.36	836672.91
RW148	483238.55	836666.10
RW150	483238.77	836673.03
RW151	483238.78	836673.15
RW274	482207.93	836665.50
RW317	478334.38	836630.78
RW320	478749.69	836714.71
RW341	483239.00	836680.11
RW360	482211.41	836746.52

4

4

REVISION DATE 3/13/12, 6/14/12, 6/27/12

DATE : 1/11/12

GRID FACTOR N/A

SCALE, FEET 0 N/A

HWY: CTH BB,MONONA DRIVE

COUNTY: DANE

STATE R/W PROJECT NUMBER 5994-00-00-3

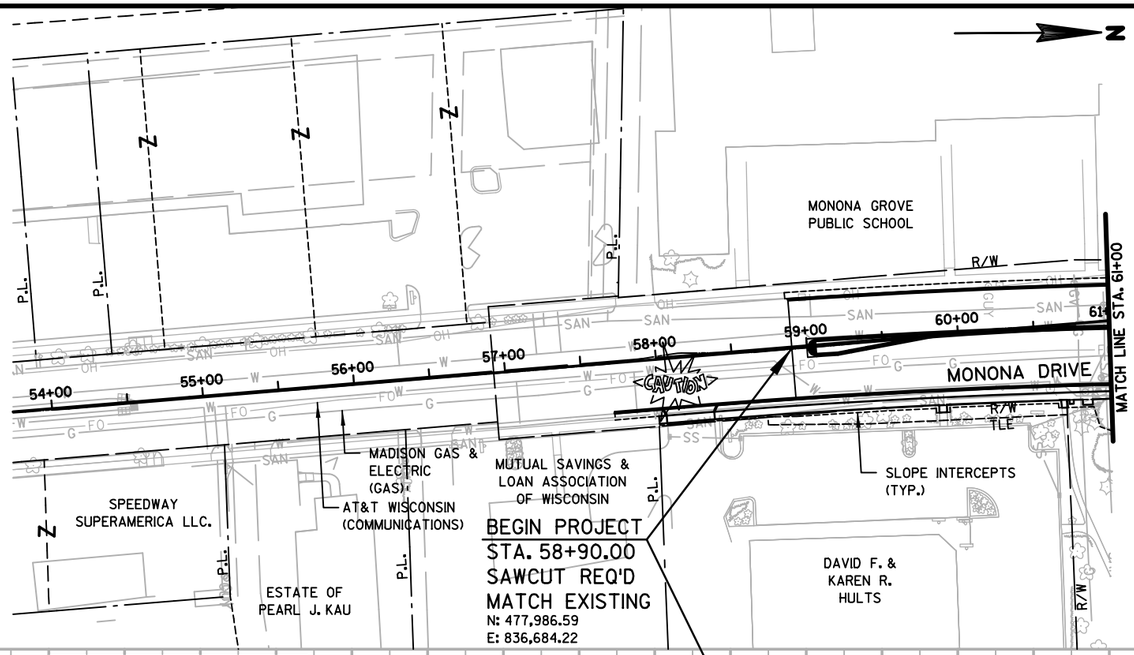
CONSTRUCTION PROJECT NUMBER 5994-00-72

PLAT SHEET 4.14

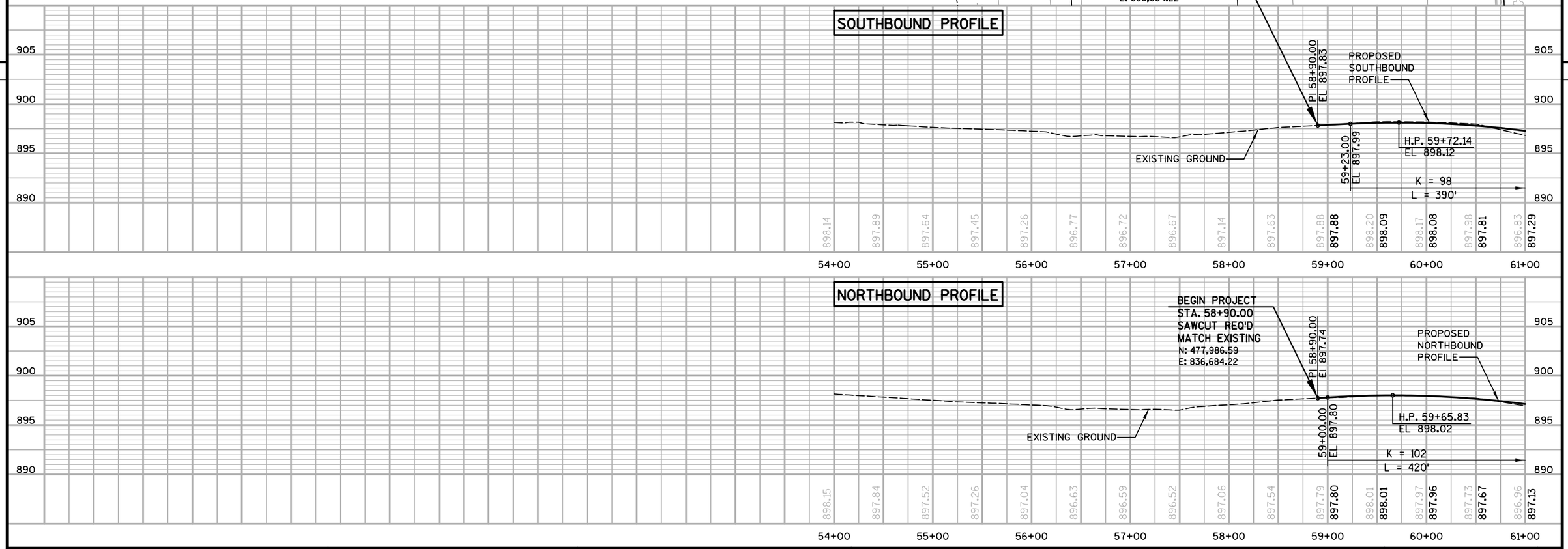
PS&E SHEET 377 E

FILE NAME : s:\mad\1000--1099\1093\019\micros\design\RW PLAT\040114_rw.dgn PLOT DATE : 6/27/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 75



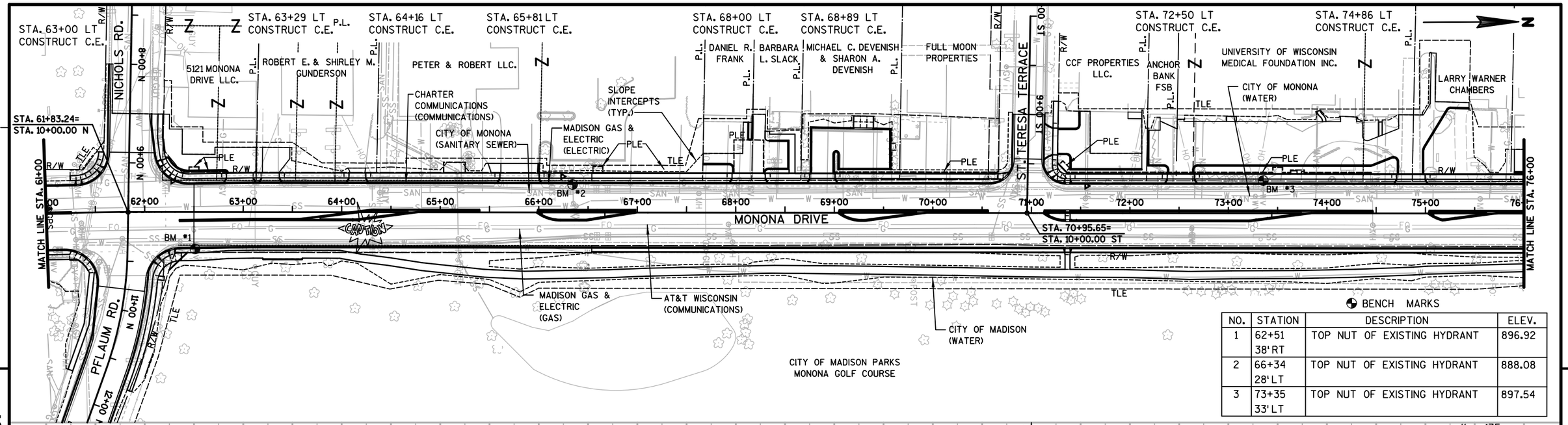
SOUTHBOUND PROFILE



NORTHBOUND PROFILE

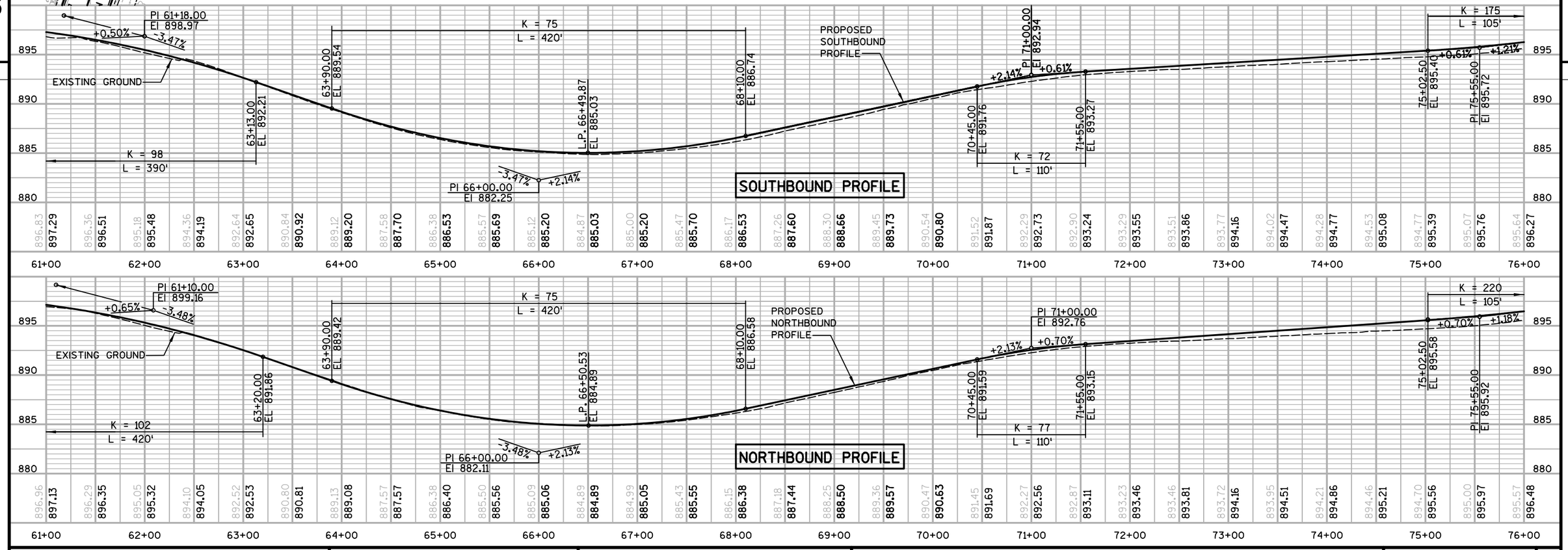
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\050101_pp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 46



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	62+51 38' RT	TOP NUT OF EXISTING HYDRANT	896.92
2	66+34 28' LT	TOP NUT OF EXISTING HYDRANT	888.08
3	73+35 33' LT	TOP NUT OF EXISTING HYDRANT	897.54



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET E

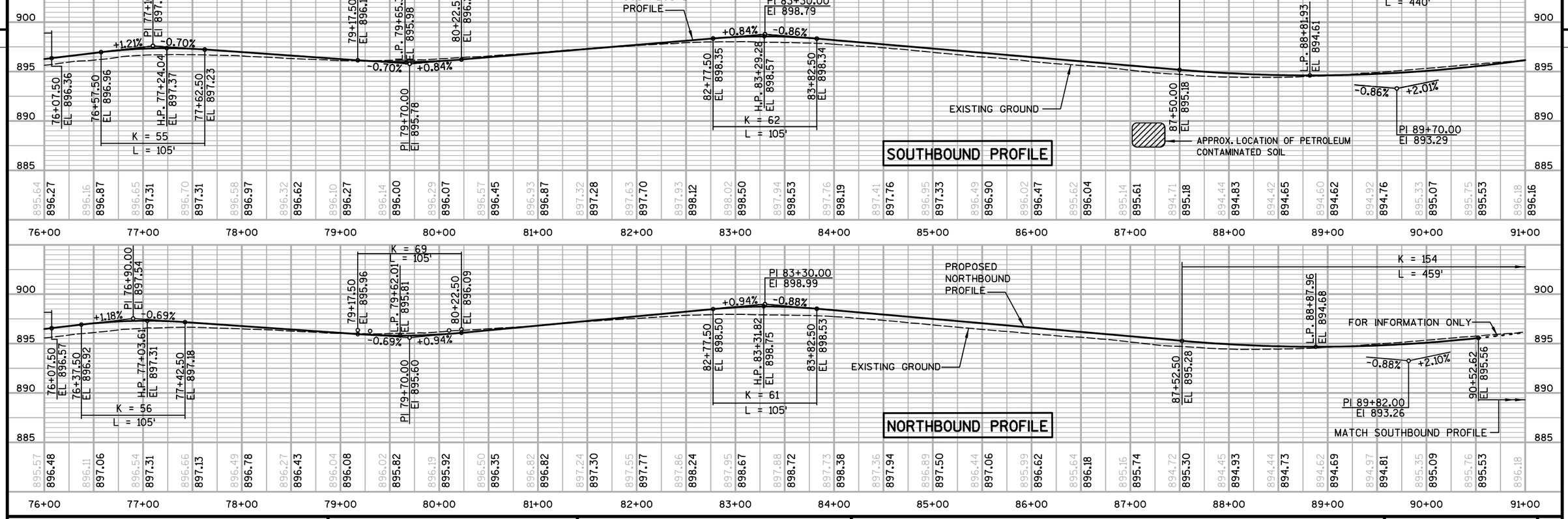
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STA. 76+75 LT CONSTRUCT C.E.
STA. 78+21 LT CONSTRUCT C.E.
STA. 79+00 LT CONSTRUCT C.E.
STA. 79+86 LT CONSTRUCT C.E.
STA. 80+72 LT CONSTRUCT P.E.
STA. 81+31 LT CONSTRUCT P.E.
STA. 81+90 LT CONSTRUCT P.E.
STA. 82+35 LT CONSTRUCT C.E.
STA. 85+50 LT CONSTRUCT C.E.
STA. 86+50 LT CONSTRUCT C.E.
STA. 90+50 LT CONSTRUCT C.E.

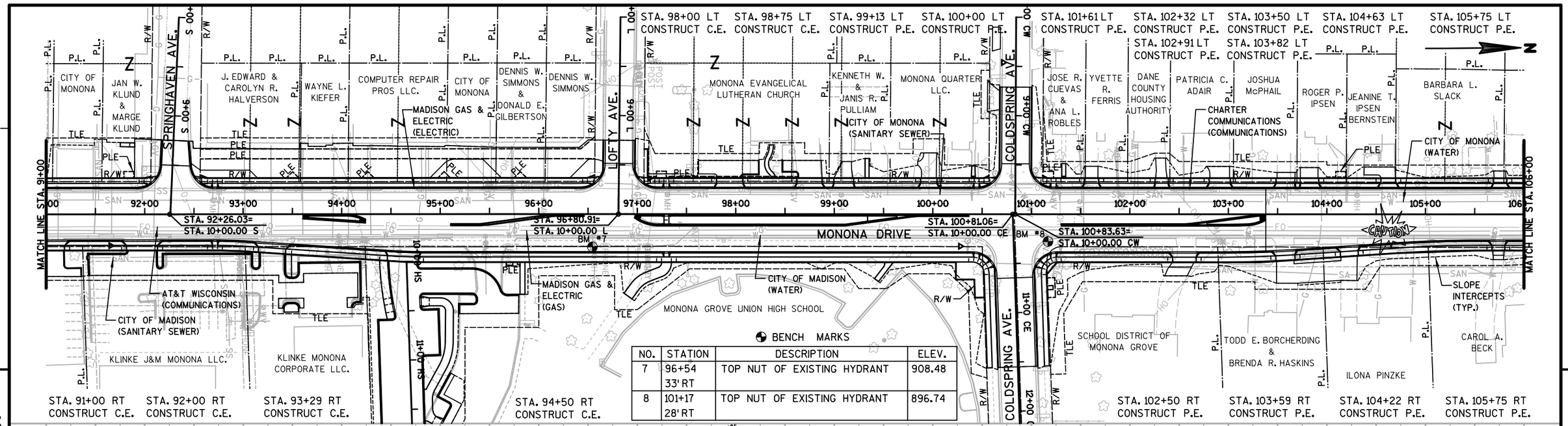
KNUTSON DENTAL BUILDING LLC.
GLEN E. & CHERYL M. MERMANSON
MCDONALDS USA LLC.
CHARTER COMMUNICATIONS (COMMINICATIONS)
CITY OF MONONA (WATER)
L&H PROPERTIES
OUTCOME LLC.
ANDREAS SCHUMANN & TRACY LYNN CONRAD-SCHUMANN
DIAN J. LAND & CHRISTINA A. HOKE
CITY OF MONONA (SANITARY SEWER)
MONONA GROVE STATE BANK TLE
MADISON GAS & ELECTRIC (ELECTRIC)
MONON GROVE STATE BANK (LAND) & M&I MADISON BANK (BUILDINGS)
BERTON M. SLINDE JR. & LESLEY A. SLINDE
MARTIN F. CROAK
GORDON M. & ELIZABETH A OTTAVIANO
APPROX. LOCATION OF PETROLEUM CONTAMINATED SOIL
MONICA A. QUALE
DEAN AVE.
MATCH LINE STA. 76+00
MATCH LINE STA. 91+00
MONONA DRIVE
CAUTION
BM #4
BM #5
STA. 87+64.35= STA. 10+00.00 D
MADISON GAS & ELECTRIC (GAS)
SLOPE INTERCEPTS (TYP.)
CITY OF MADISON (WATER)
AT&T WISCONSIN (COMMUNICATIONS)
CITY OF MADISON PARKS MONONA GOLF COURSE
CITY OF MADISON (SANITARY SEWER)
STOP-N-GO OF MADISON
N&L FAMILY LLC.
STA. 89+17 RT CONSTRUCT C.E.
STA. 89+77 RT CONSTRUCT C.E.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
4	83+76 26' RT	TOP NUT OF EXISTING HYDRANT	901.17
5	87+79 40' RT	TOP NUT OF EXISTING HYDRANT	897.47
6	87+96 49' LT	TOP NUT OF EXISTING HYDRANT	897.70

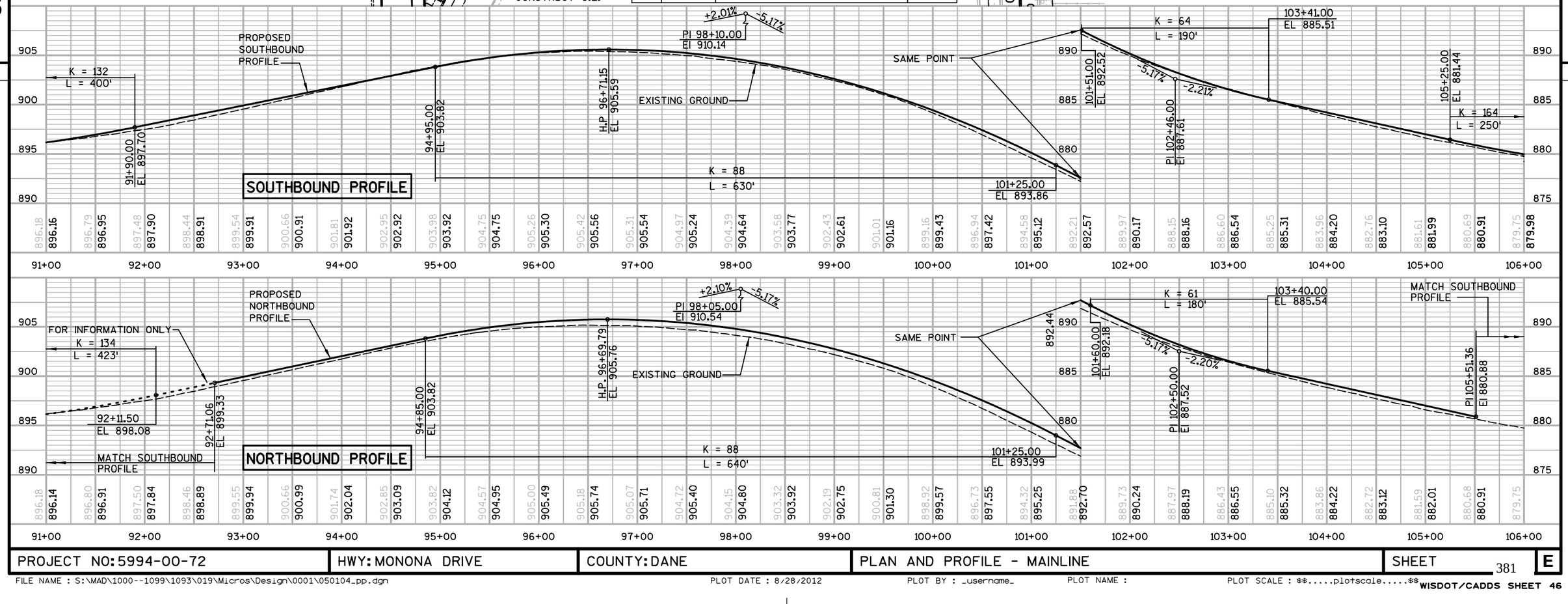


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET 380 E

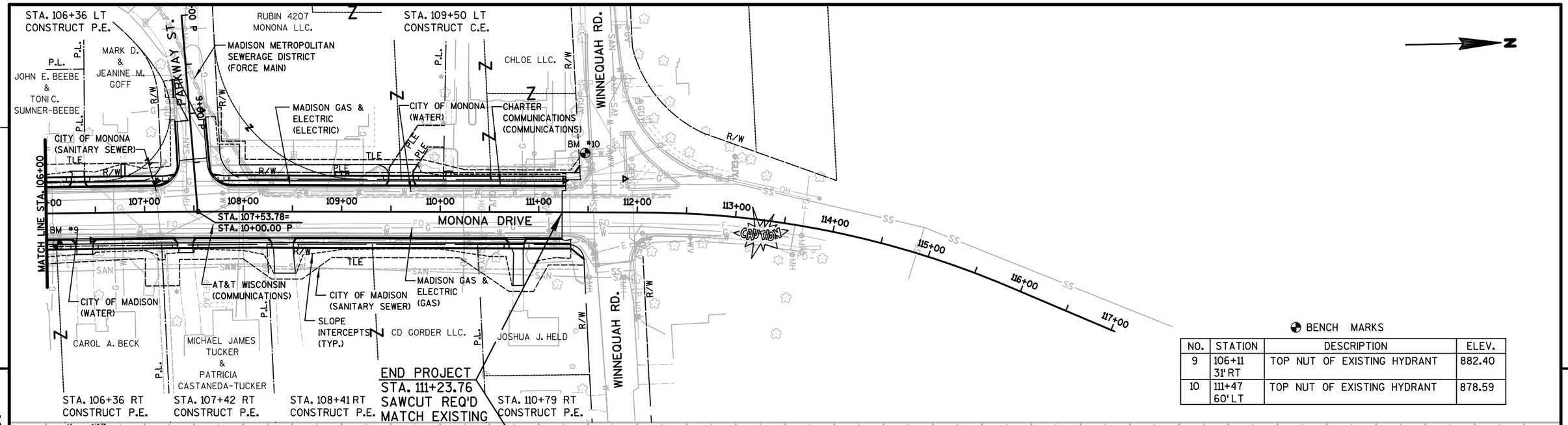


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
7	96+54 33' RT	TOP NUT OF EXISTING HYDRANT	908.48
8	101+17 28' RT	TOP NUT OF EXISTING HYDRANT	896.74



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET 381 E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - MAINLINE	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\050105_pp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 46

STA. 9+25 N LT
CONSTRUCT C.E.

CHARTER COMMUNICATIONS (COMMUNICATIONS)

PLE

5121 MONONA DRIVE LLC.

CITY OF MONONA (WATER)

TLE

R/W

P.L.

P.L.

CITY OF MADISON (WATER)

CITY OF MADISON PARKS
MONONA GOLF COURSE

BM #1

CAUTION

MADISON GAS & ELECTRIC (ELECTRIC)

MADISON GAS & ELECTRIC (GAS)

CITY OF MONONA (SANITARY SEWER)

90°46'17"

STA. 61+83.24 =
STA. 10+00.00 N

NICHOLS RD.

PFLAUM RD.

MONONA DRIVE

MONONA GROVE PUBLIC SCHOOL

AT&T WISCONSIN (COMMUNICATIONS)

SLOPE INTERCEPTS (TYP.)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	62+51 38' RT	TOP NUT OF EXISTING HYDRANT	896.92

BEGIN CONSTRUCTION
STA. 9+00 N
SAWCUT REQ'D
MATCH EXISTING
N: 478,281.76
E: 836,570.75

END CONSTRUCTION
STA. 12+25 N
SAWCUT REQ'D
MATCH EXISTING

MATCH MAINLINE EDGE OF PAVEMENT

MATCH MAINLINE EDGE OF PAVEMENT

PROPOSED PROFILE

EXISTING GROUND

PI 9+00.00 N
EL 892.52

PI 9+52.00 N
El 895.06

PI 9+72.72 N
El 895.58

PI 9+98.73 N
El 895.85

PI 10+10.73 N
El 895.70

PI 10+36.74 N
El 895.46

PI 12+25.00 N
EL 897.76

9+32.00 N
EL 894.08

9+72.00 N
EL 895.56

K = 17
L = 40'

+4.89%
+2.50%
+1.04%
-1.25%
-0.92%
+1.22%

| | | |

STA. 9+30 ST LT
CONSTRUCT C.E.

MADISON GAS & ELECTRIC (GAS)

MADISON GAS & ELECTRIC (ELECTRIC)

CCF PROPERTIES LLC.

TLE

R/W

PLE

SLOPE INTERCEPTS (TYP.)

AT&T WISCONSIN (COMMUNICATIONS)

CITY OF MADISON (WATER)

STA. 70+95.65 =
STA. 10+00.00 ST

8+00 ST

9+00 ST

ST. TERESA TERRACE

90°55'06"

MONONA DRIVE

CITY OF MADISON PARKS
MONONA GOLF COURSE

CITY OF MONONA (SANITARY SEWER)

CITY OF MONONA (WATER)

PLE

CHARTER COMMUNICATIONS (COMMUNICATIONS)

MADISON GAS & ELECTRIC (GAS)

CAUTION

FULL MOON PROPERTIES LLC.

BEGIN CONSTRUCTION
STA. 9+00 ST
SAWCUT REQ'D
MATCH EXISTING
N: 479,194.11
E: 836,577.06

N

PI 9+00.00 ST
El 893.22

PI 9+96.75 ST
El 892.67

PI 9+70.75 ST
El 892.15

MATCH MAINLINE
EDGE-OF-PAVEMENT

-1.51%

+2.00%

EXISTING GROUND

PROPOSED PROFILE

905
900
895
890
885
880
875
870

893.17
893.59
893.22
893.22
892.19
892.46
892.27

8+00 ST
9+00 ST
10+00 ST

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - ST. TERESA TERRACE	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\050107_pp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

STA. 7+72 D LT CONSTRUCT C.E.
STA. 8+00 D LT CONSTRUCT C.E.
STA. 11+11 D LT CONSTRUCT C.E.
MADISON GAS & ELECTRIC (ELECTIC)
MONONA GROVE STATE BANK (LAND) & M&I MADISON BANK (BUILDINGS)
MONONA DRIVE
CITY OF MADISON (WATER)
GHL II LLC.
AT&T WISCONSIN (COMMUNICATIONS)
CHARTER COMMUNICATIONS (COMMUNICATIONS)
MADISON GAS & ELECTRIC (ELECTIC)
CITY OF MONONA (WATER)
SLOPE INTERCEPTS (TYP.)
CITY OF MONONA (SANITARY SEWER)
BM #6
BM #5
DEAN AVE.
STA. 87+64.35 = STA. 10+00.00 D
89°23'34"
CAUTION
GORDON M. & ELIZABETH A. OTTAVIANO
CHARTER COMMUNICATIONS (COMMUNICATIONS)
CITY OF MONONA (SANITARY SEWER)
CITY OF MADISON (SANITARY SEWER)
CITY OF MADISON PARKS MONONA GOLF COURSE
MADISON GAS & ELECTRIC (GAS)
STA. 11+11 D RT CONSTRUCT C.E.
STA. 8+58 D RT CONSTRUCT C.E.
STA. 11+80 D RT CONSTRUCT P.E.
MATCH MAINLINE

BEGIN CONSTRUCTION
STA. 7+35 D
SAWCUT REQ'D
MATCH EXISTING
N: 480,858.43
E: 836,423.78

END CONSTRUCTION
STA. 12+66 D
SAWCUT REQ'D
MATCH EXISTING

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
5	87+79 40' RT	TOP NUT OF EXISTING HYDRANT	897.47
6	87+96 49' LT	TOP NUT OF EXISTING HYDRANT	897.70

MATCH MAINLINE EDGE-OF-PAVEMENT
MATCH MAINLINE EDGE-OF-PAVEMENT
PI 7+35.00 D EL 888.04
PI 9+68.00 D EL 894.67
PI 9+94.00 D EL 895.06
PI 10+06.00 D EL 895.18
PI 10+32.00 D EL 894.92
PI 10+32.00 D EL 894.92
PI 10+51.02 D EL 894.87
LP 10+51.02 D EL 894.87
PI 10+65.00 D EL 894.76
PI 10+97.50 D EL 895.16
PI 11+67.50 D EL 896.04
PI 11+80.00 D EL 896.20
PI 11+92.50 D EL 896.31
PI 12+66.00 D EL 896.94
K = 37
L = 65'
K = 64
L = 25'
+2.85%
+1.50%
+1.00%
-1.00%
-0.50%
+1.25%
+1.25%
+0.86%
EXISTING GROUND
PROPOSED PROFILE

887.19 888.46 888.47 889.91 889.89 891.34 891.31 892.76 892.74 894.09 894.16 894.63 895.12 894.58 894.87 895.99 895.19 896.10 895.82 896.51 896.37 896.85 896.80 897.20

7+00 D 7+50 D 8+00 D 8+50 D 9+00 D 9+50 D 10+00 D 10+50 D 11+00 D 11+50 D 12+00 D 12+50 D 13+00 D

905 900 895 890 885 880 875 870

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - DEAN AVE.	SHEET 385 E

MADISON GAS & ELECTRIC
(ELECTRIC)

J. EDWARD & CAROLYN R.
HALVERSON

CITY OF MONONA
(SANITARY SEWER)

CITY OF MADISON
(SANITARY SEWER)

CITY OF MADISON
(WATER)

AT&T WISCONSIN
(COMMUNICATIONS)

KLINKE J&M MONONA LLC.

MADISON GAS & ELECTRIC
(GAS)

SLOPE INTERCEPTS (TYP.)

CHARTER
COMMUNICATIONS
(COMMUNICATIONS)

JAN W. KLUND
&
MARGE KLUND

MONONA DRIVE

SPRINGHAVEN AVE.

8+00 S

+50

9+00 S

+50

STA. 92+26.03 =
STA. 10+00.00 S

92°33'53"

CAUTION

BEGIN CONSTRUCTION
STA. 9+25 S
SAWCUT REQ'D
MATCH EXISTING
N: 481,326.01
E: 836,617.01

MATCH MAINLINE
EDGE-OF-PAVEMENT

PI 9+25.00 S
El 897.64

PI 10+00.00 S
El 898.43

PI 9+73.97 S
El 897.91

+0.55%

+2.60%

EXISTING GROUND

PROPOSED PROFILE

896.18
896.93
897.58
897.69 897.78
897.95 898.43

8+00 S
9+00 S
10+00 S

910
905
900
895
890
885
880
875

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - SPRINGHAVEN AVE.	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\050109_pp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 40

MONONA EVANGELICAL LUTHERAN CHURCH

CITY OF MONONA (SANITARY SEWER)

CHARTER COMMUNICATIONS (COMMUNICATIOINS)

MADISON GAS & ELECTRIC (GAS)

SLOPE INTERCEPTS (TYP.)

STA. 96+80.91 = STA. 10+00.00 L

90°34'33"

LOFTY AVE.

MONONA DRIVE

CITY OF MADISON (SANITARY SEWER)

AT&T WISCONSIN (COMMUNICATIONS)

MADISON GAS & ELECTRIC (GAS)

CITY OF MADISON (WATER)

BM *7

BEGIN CONSTRUCTION
STA. 9+25 L
SAWCUT REQ'D
MATCH EXISTING
N: 481,778.37
E: 836,620.24

DENNIS W. SIMMONS

MADISON GAS & ELECTRIC (ELECTRIC)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
7	96+54 33'RT	TOP NUT OF EXISTING HYDRANT	908.48

MATCH MAINLINE EDGE-OF-PAVEMENT

PI 9+25.00 L
El 905.79

PI 10+00.00 L
El 905.58

PI 9+74.00 L
El 905.32

-0.96%

+1.00%

EXISTING GROUND

PROPOSED PROFILE

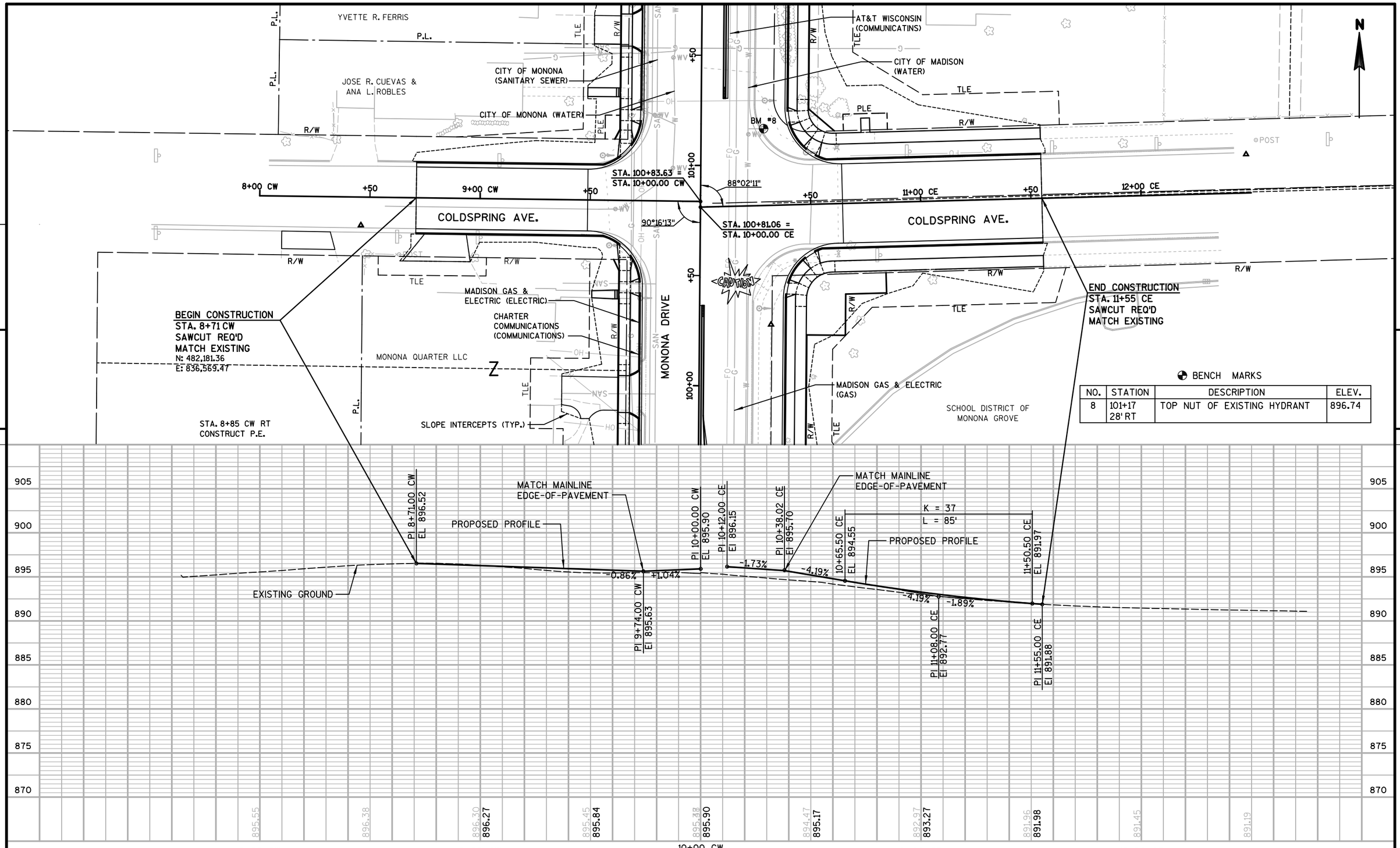
904.29 904.97 905.58 905.62 905.55 905.36 905.58

8+00 L 9+00 L 10+00 L

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - LOFTY AVE.	SHEET 387	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\050110_pp.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 40



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - COLDSPRING AVE.	SHEET 388 E

RUBIN 4207
MONONA LLC.

CITY OF MONONA (WATER)

MADISON METROPOLITAN
SEWERAGE DISTRICT
(FORCE MAIN)

MADISON GAS & ELECTRIC
(GAS)

R/W

TLE

STA. 107+53.78 =
STA. 10+00.00 P

8+00 P

+50

9+00 P

PARKWAY ST.

+50

+50

85°38'21"

108+00

107+00

MONONA DRIVE

CAUTION

CITY OF MADISON
(SANITARY SEWER)

CITY OF MADISON
(WATER)

AT&T WISCONSIN
(COMMUNICATIONS)

P.L.

MICHAEL JAMES TUCKER &
PATRICIA CASTANEDA-TUCKER

FLAG

BEGIN CONSTRUCTION
STA. 8+62 P
SAWCUT REQ'D
MATCH EXISTING
N: 482,841.64
E: 836,567.19

MARK D. & JEANINE M. GOFF

CITY OF MONONA
(SANITARY SEWER)

MADISON GAS & ELECTRIC
(ELECTRIC)

CHARTER
COMMUNICATIONS
(COMMUNICATIONS)

MADISON GAS AND ELECTRIC
(GAS)

SLOPE INTERCEPTS (TYP.)

N

5

5

890
885
880
875
870
865
860

PI 9+07.00 P
El 876.29

MATCH MAINLINE
EDGE-OF-PAVEMENT

PI 9+73.95 P
El 877.66

PI 10+00.00 P
El 878.17

+1.97%

+1.96%

EXISTING GROUND

PROPOSED PROFILE

874.39
875.37
876.16
876.84
877.14
877.77
878.12

8+00 P
9+00 P
10+00 P

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	PLAN AND PROFILE - PARKWAY ST.	SHEET 389	E

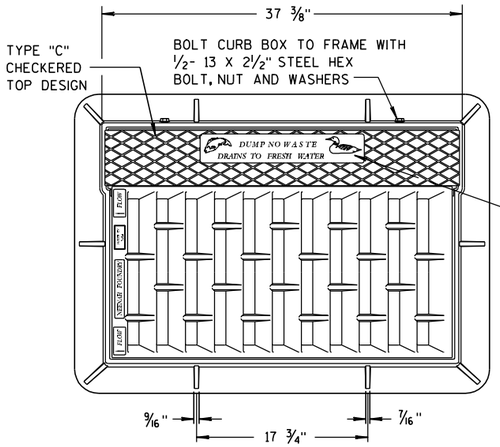
Standard Detail Drawing List

08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-14A	CURB RAMPS TYPES 1 AND 1-A
08D05-14B	CURB RAMPS TYPES 2 AND 3
08D05-14C	CURB RAMPS TYPE 4A
08D05-14D	CURB RAMPS TYPE 4B
08D05-14E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D15-04A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-04B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-07	CONDUIT
09B04-09	PULL BOX
09C02-06	CONCRETE BASES, TYPES 1, 2 & 5
09C03-03	TRANSFORMER/PEDESTAL BASES
09C12-02A	CONCRETE BASE TYPE 13
09C12-02B	CONCRETE BASE TYPE 13
09C13-01	CONCRETE BASE TYPE 10 & TYPE 13 EXTENSION
09D01-04	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-02	SIGNAL OR LIGHTING CONTROL CABINET
09E01-11A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-11G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E06-04	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-05	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-04C	TYPE 12 POLE 35'-55' MONOTUBE ARM
09E08-04E	GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F08-03	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F15-03B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-03A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-03G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13C01-15	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-07	URBAN DOWELED CONCRETE PAVEMENT
13C18-01A	CONCRETE PAVEMENT JOINTING
13C18-01B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-01C	CONCRETE PAVEMENT JOINT TIES
13C18-01D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
14A02-01	TREE PLANTING DETAIL
14B07-12A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-12B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-12C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-12D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15B03-12A	CHAIN LINK FENCE
15B03-12B	CHAIN LINK FENCE
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-01	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12A	PAVEMENT MARKING SYMBOLS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-14A	PAVEMENT MARKING (MAINLINE)
15C08-14B	PAVEMENT MARKING (INTERSECTIONS)
15C08-14E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-14F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

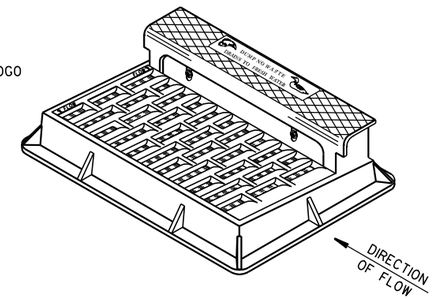
6

Standard Detail Drawing List

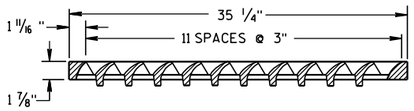
15C11-05	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C29-02E	PAVEMENT MARKING FOR BIKE LANES
15D20-01	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-01	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

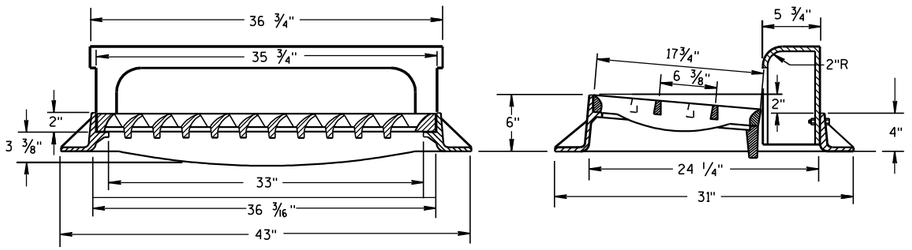


NOTE:
GRATE IS REVERSIBLE.



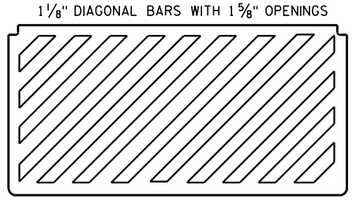
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"





TYPE "H"

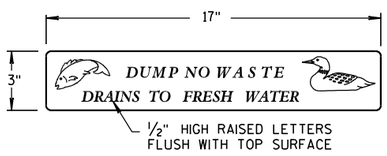
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 159 LBS.)
GRATE..... 159 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL

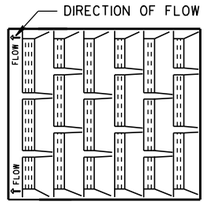
GENERAL NOTES

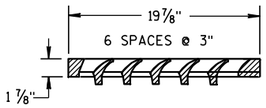
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

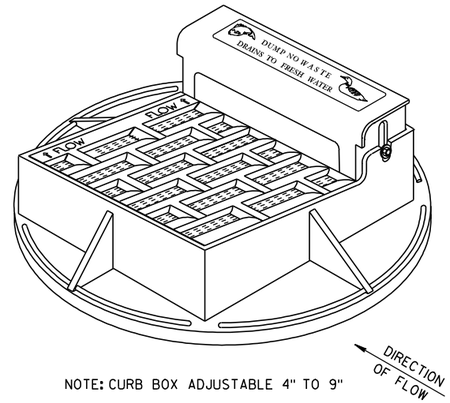
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

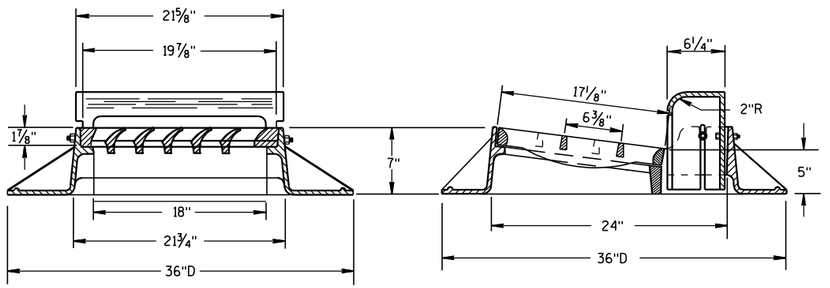
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





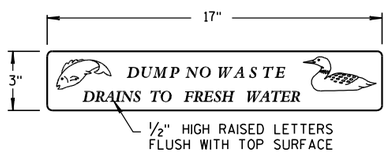


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



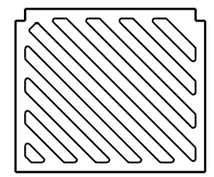
TYPE "A"

(APPROXIMATE WEIGHT 340 LBS.)
FRAME..... 185 LBS.
GRATE..... 71 LBS.
CURB BOX..... 84 LBS.



LOGO DETAIL

NOTE:
GRATE IS REVERSIBLE.



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

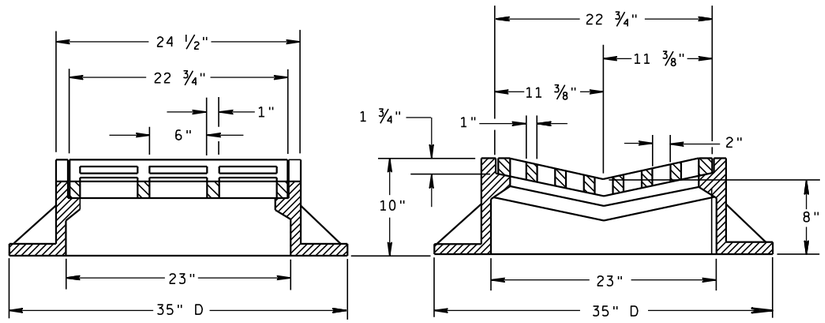
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

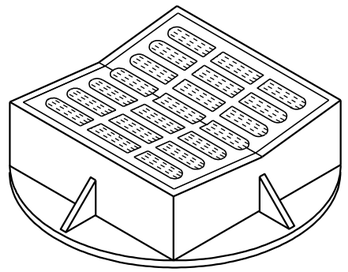
INLET COVERS
TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 DATE
/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 8 A 5-18a

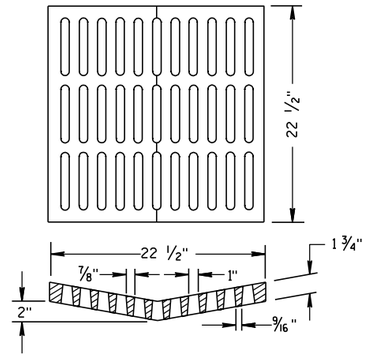




TYPE "B"

(APPROXIMATE WEIGHT 405 LBS.)

FRAME..... 294 LBS.
GRATE..... 111 LBS.

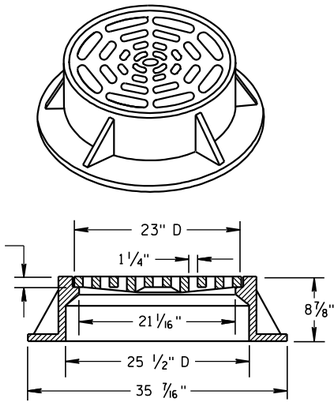


ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 134 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

(APPROXIMATE WEIGHT 259 LBS.)

FRAME..... 152 LBS.
GRATE..... 107 LBS.

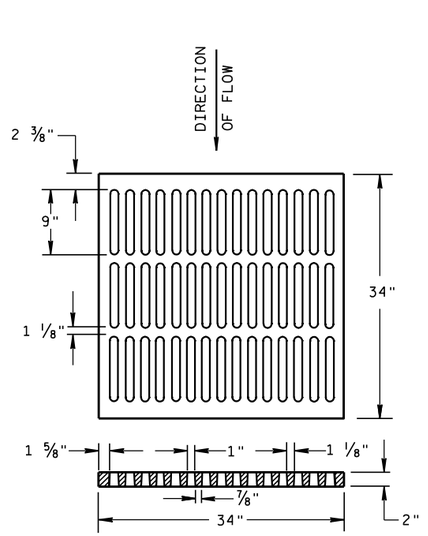
GENERAL NOTES

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.

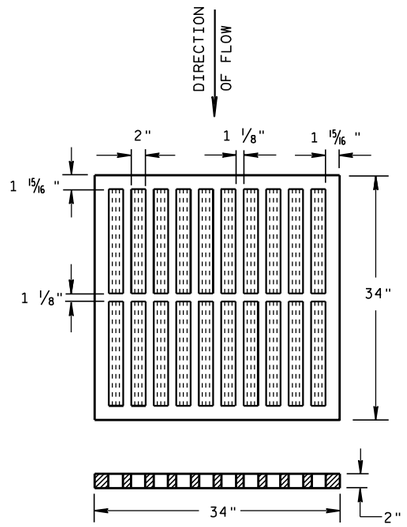


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 329 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

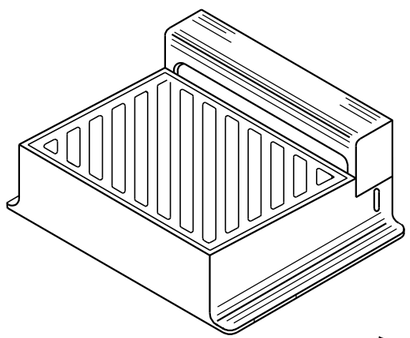


TYPE "MS"

(APPROXIMATE GRATE WEIGHT 268 LBS.)

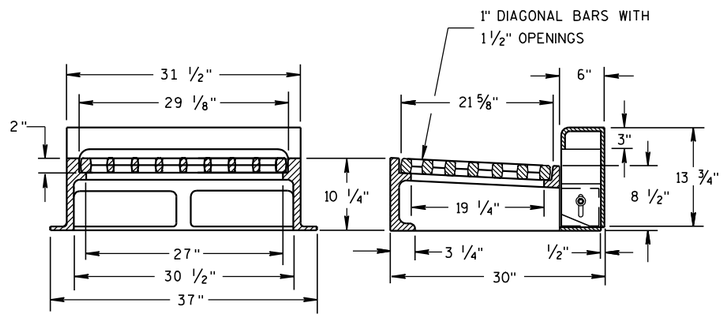
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

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 648 LBS.)

FRAME..... 355 LBS.
GRATE..... 156 LBS.
CURB BOX..... 137 LBS.

INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

393

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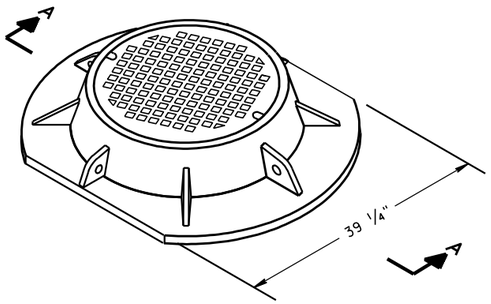
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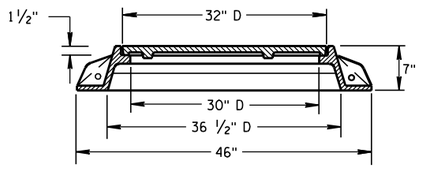
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S.D.D. 8 A 5-18b

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S.D.D. 8 A 5-18b



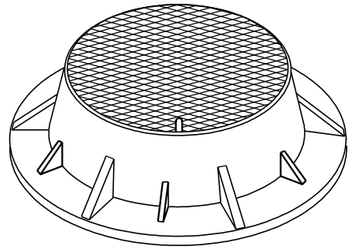


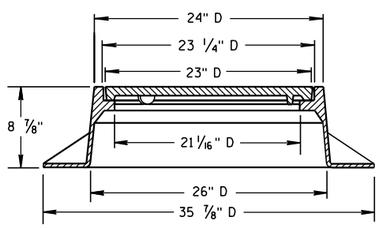
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 439 LBS.)

FRAME.....216 LBS.
LID.....223 LBS.

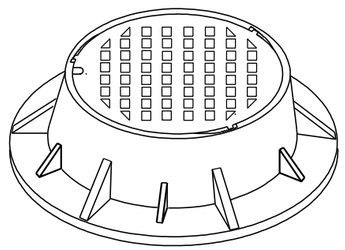


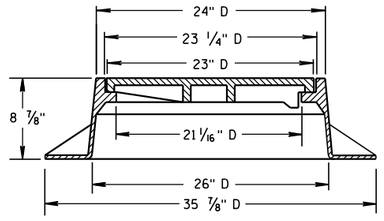


TYPE "J"

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....152 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....158 LBS.
LID.....109 LBS.

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

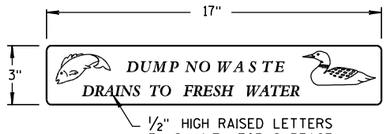
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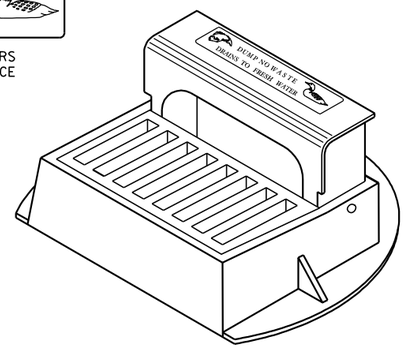
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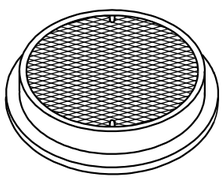
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

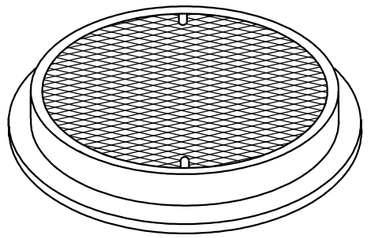
THE ACTUAL WEIGHT OF COVERS MAY VARY WITH 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

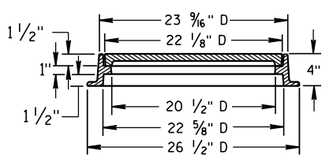


LOGO DETAIL





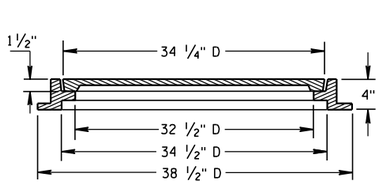




TYPE "L"

(APPROXIMATE WEIGHT 158 LBS.)

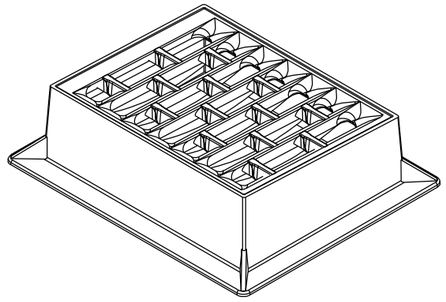
FRAME.....81 LBS.
LID.....77 LBS.

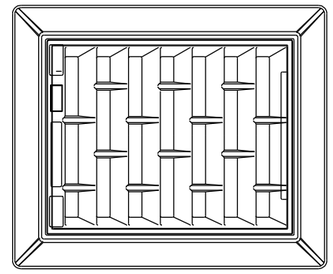


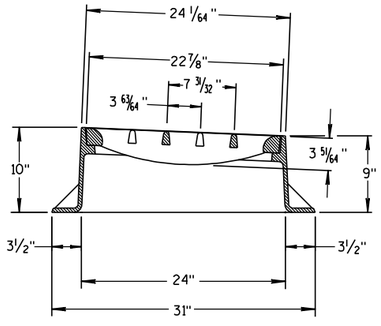
TYPE "M"

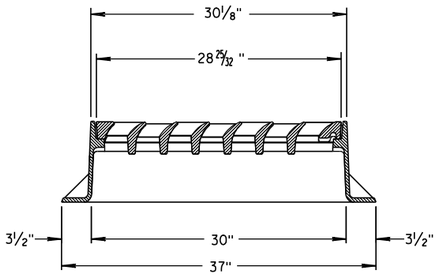
(APPROXIMATE WEIGHT 377 LBS.)

FRAME..... 125 LBS.
LID..... 252 LBS.

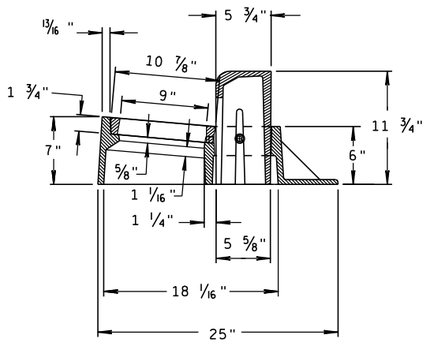


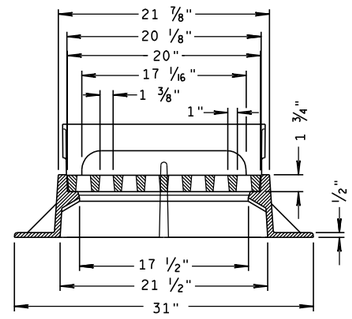






INLET COVER TYPE "BW"





INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 344 LBS.)

FRAME.....206 LBS.
GRATE..... 46 LBS.
CURB BOX..... 92 LBS.

INLET COVERS, TYPE BW, Z
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

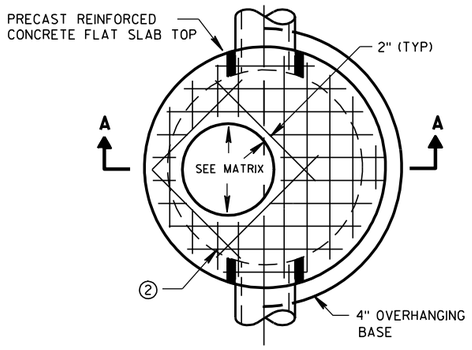
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

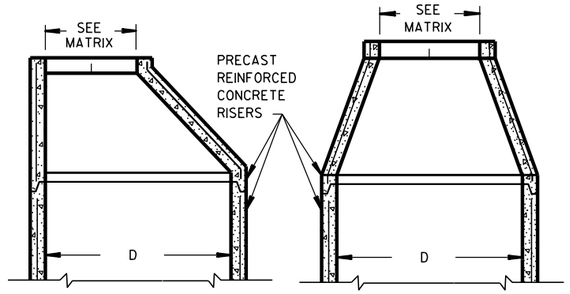
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S.D.D. 8 A 5-18d

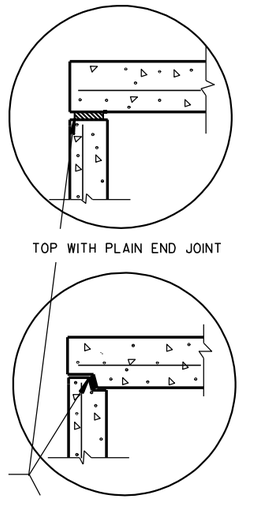


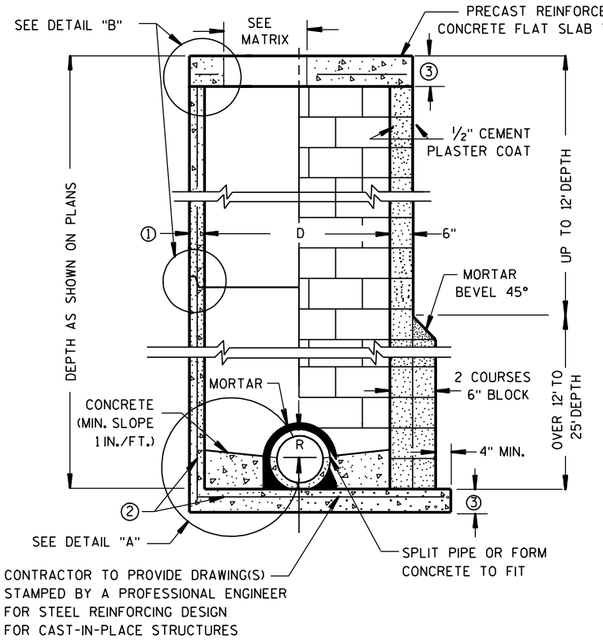
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

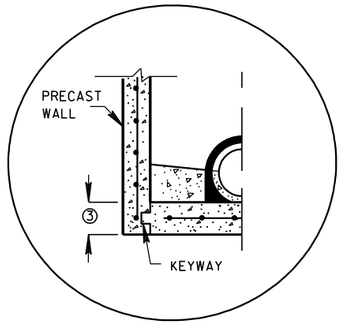
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



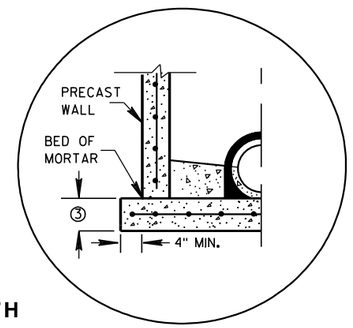


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

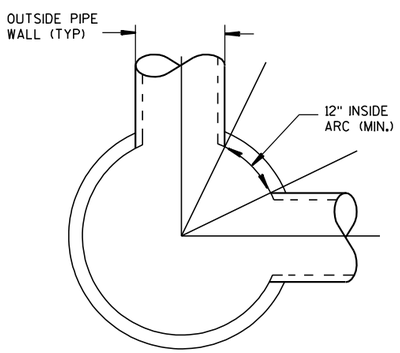


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

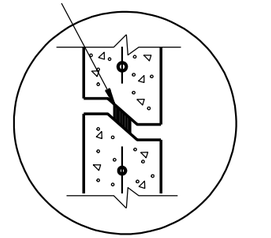


SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



DETAIL "B"

GENERAL NOTES

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UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS 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 MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

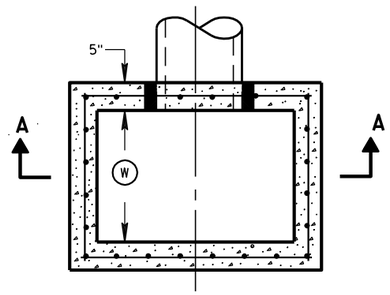
APPROVED

6/5/2012
DATE

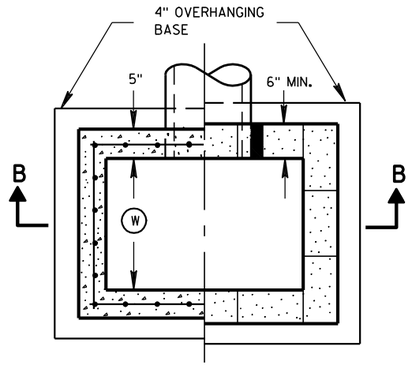
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

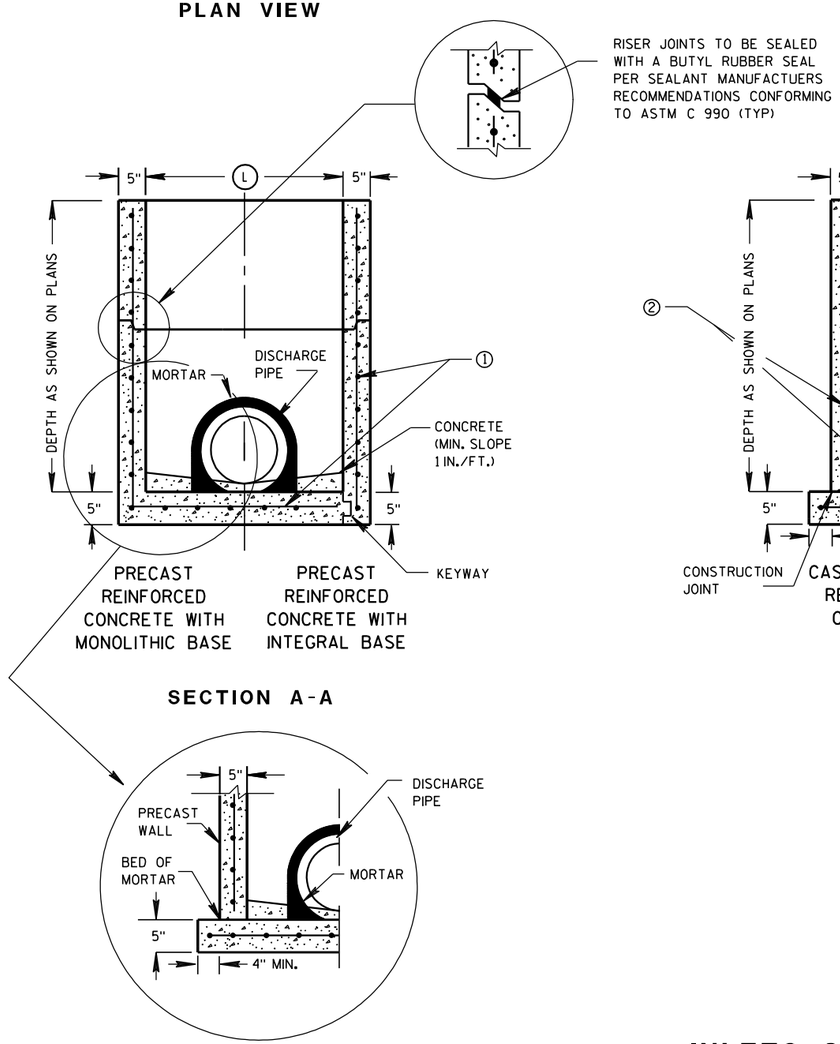
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S.D.D. 8 B 9-1



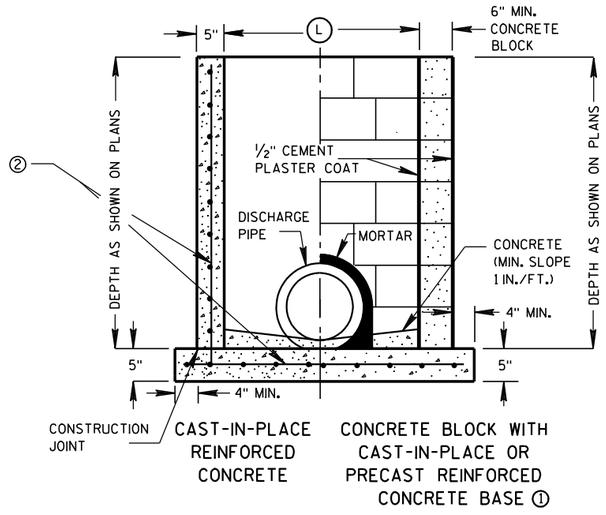
PLAN VIEW



PLAN VIEW



SECTION A-A



SECTION B-B

SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

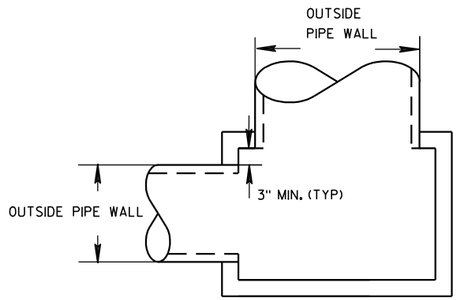
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

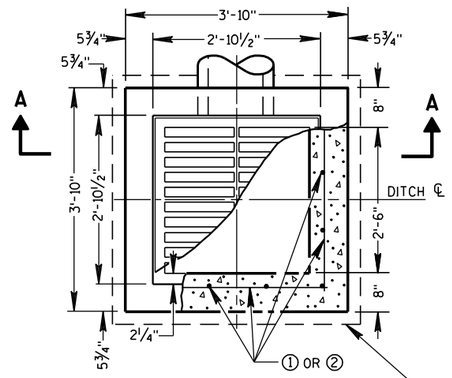
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS D 396 — ENGINEER
FHWA
IT

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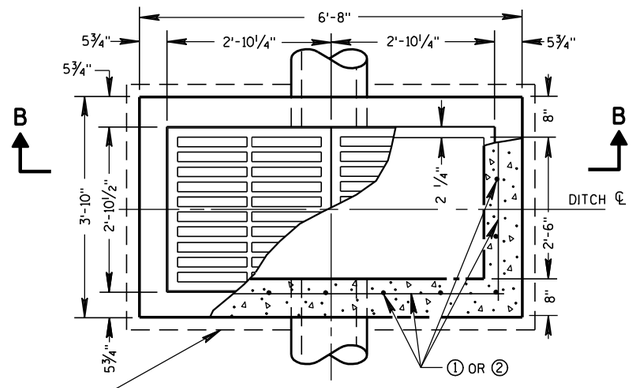
S.D.D. 8 C 7-1

6

S.D.D. 8 C 7-1

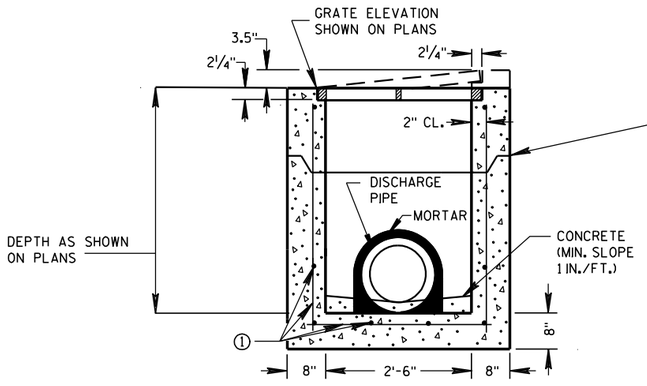


PLAN VIEW

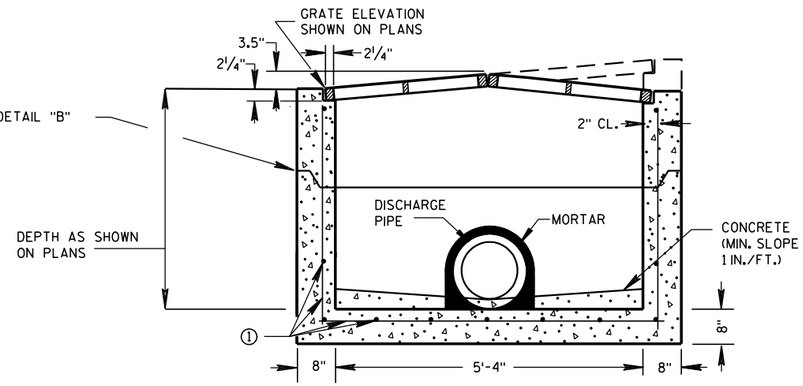


PLAN VIEW

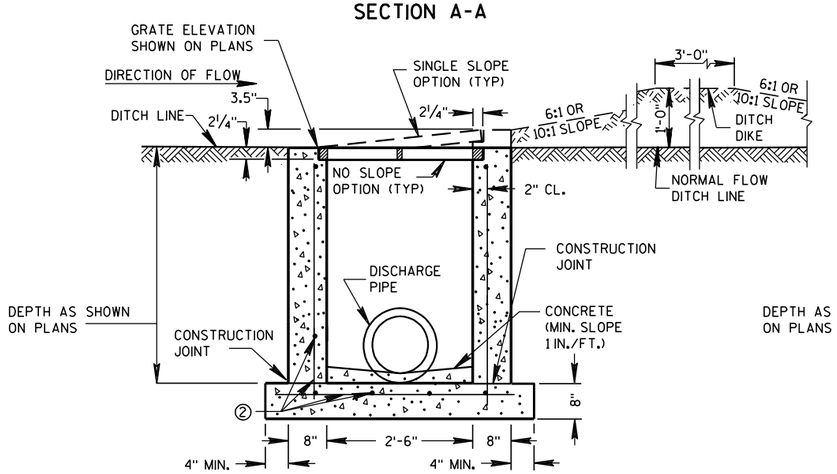
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



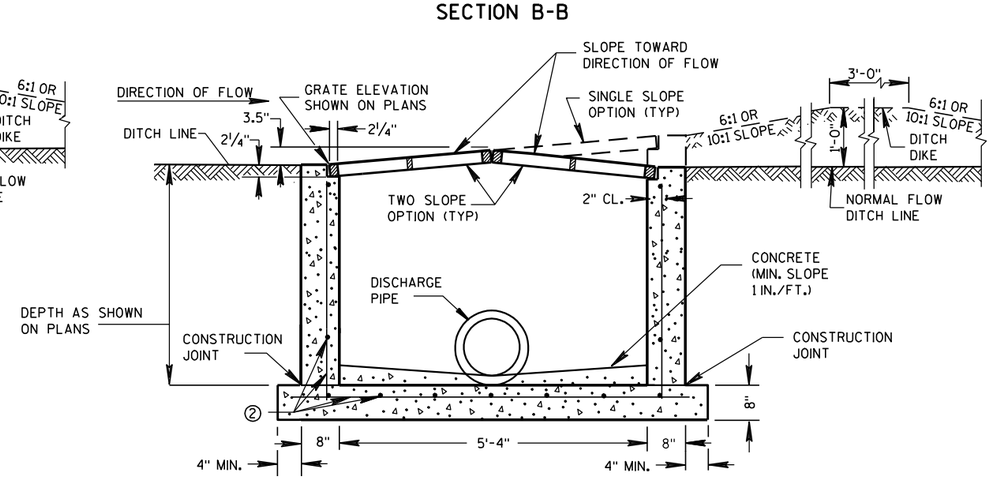
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

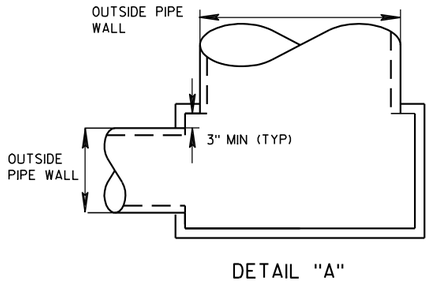
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

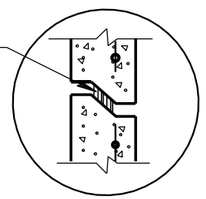
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



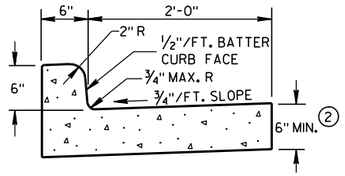
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

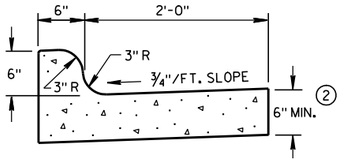
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

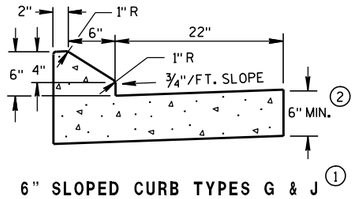
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S.D.D. 8 C 8-1
6
S.D.D. 8 C 8-1



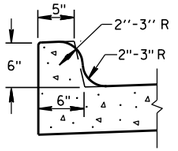
TYPES A & D (1)



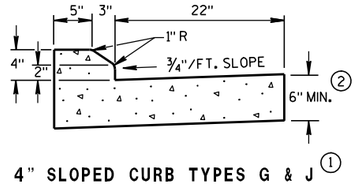
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

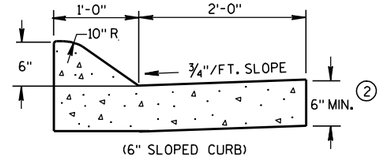


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

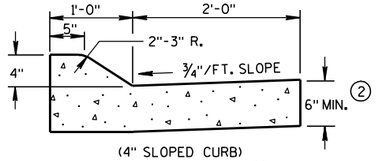


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

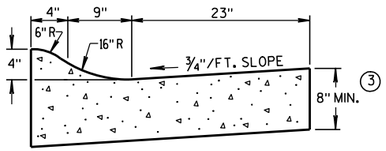


(6" SLOPED CURB)



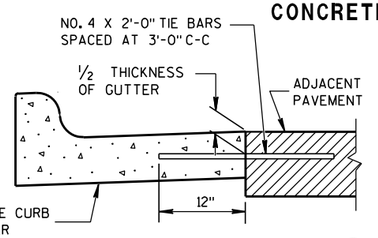
(4" SLOPED CURB)

TYPES A & D (1)

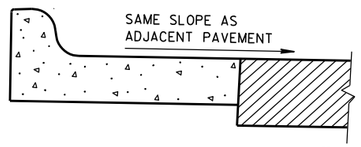


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"



TYPICAL TIE BAR LOCATION (1)



REVERSE SLOPE GUTTER (5)
(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.

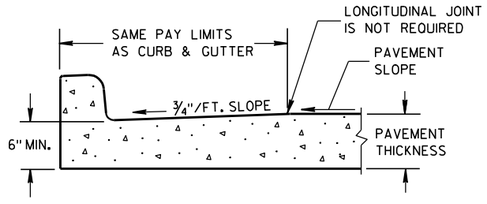
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(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.

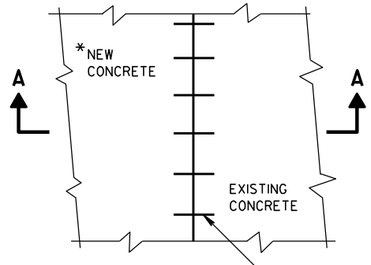
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

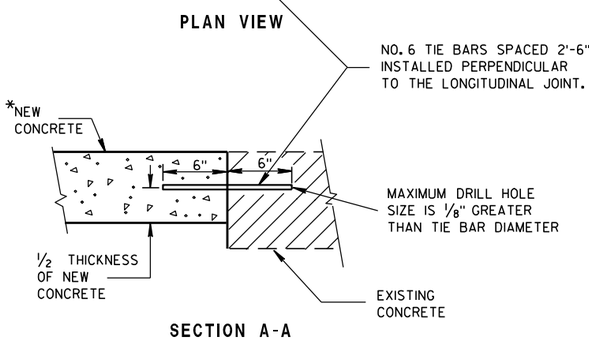


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



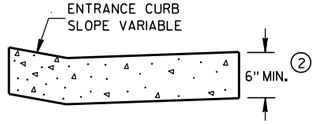
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

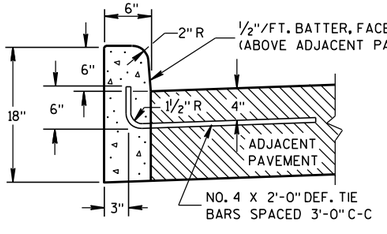


SECTION A-A

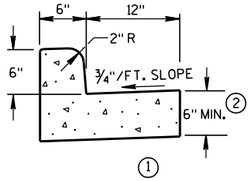
TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

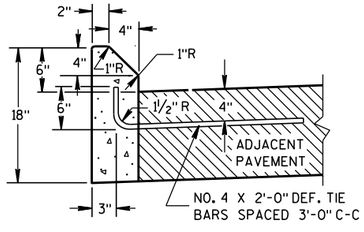


(1) TYPES A & D

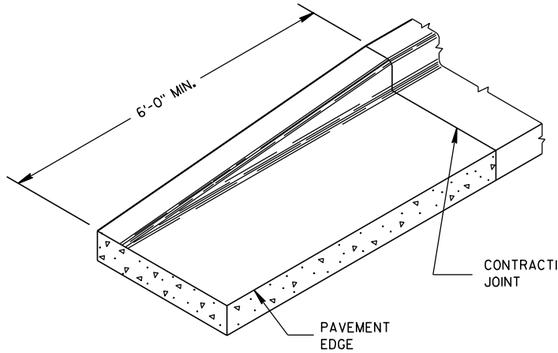


(1) TYPES A & D

CONCRETE CURB & GUTTER 18"



(1) TYPES G & J



END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
9/4/08 DATE	/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
FHWA	398 ENT

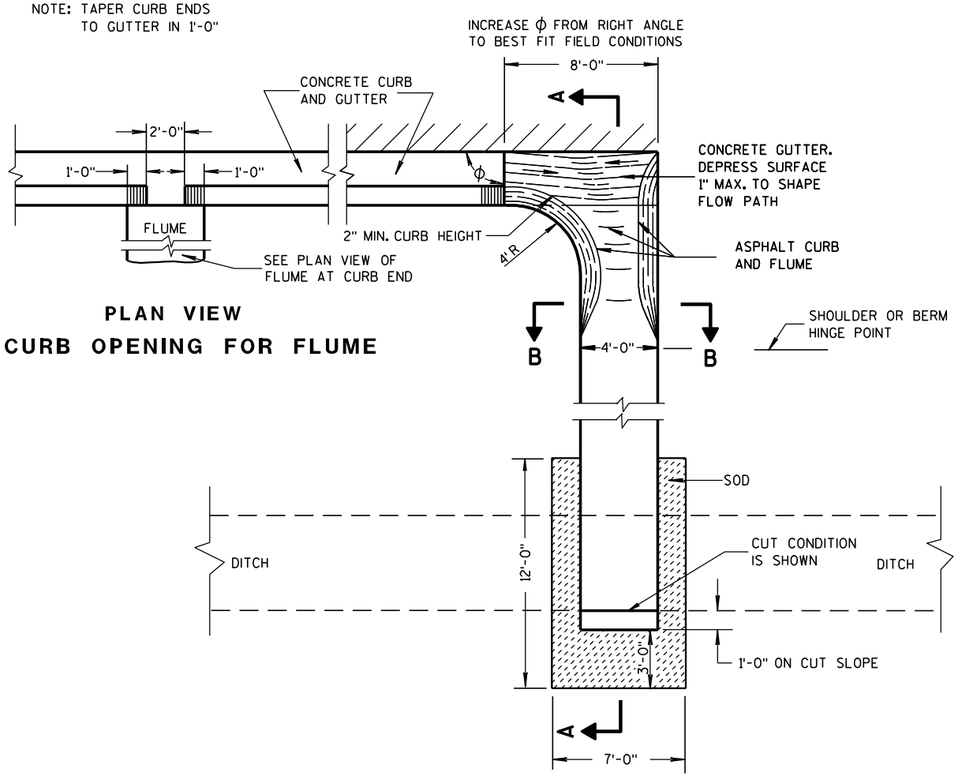
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S.D.D. 8 D 1-17

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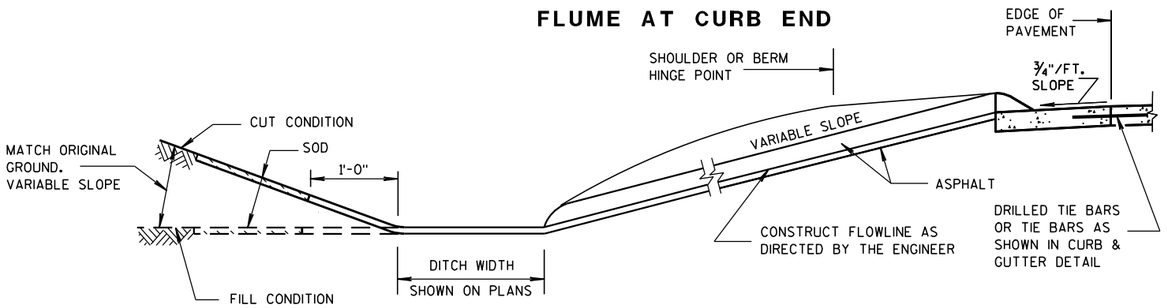
S.D.D. 8 D 1-17

ASPHALTIC FLUME

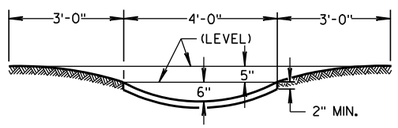


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

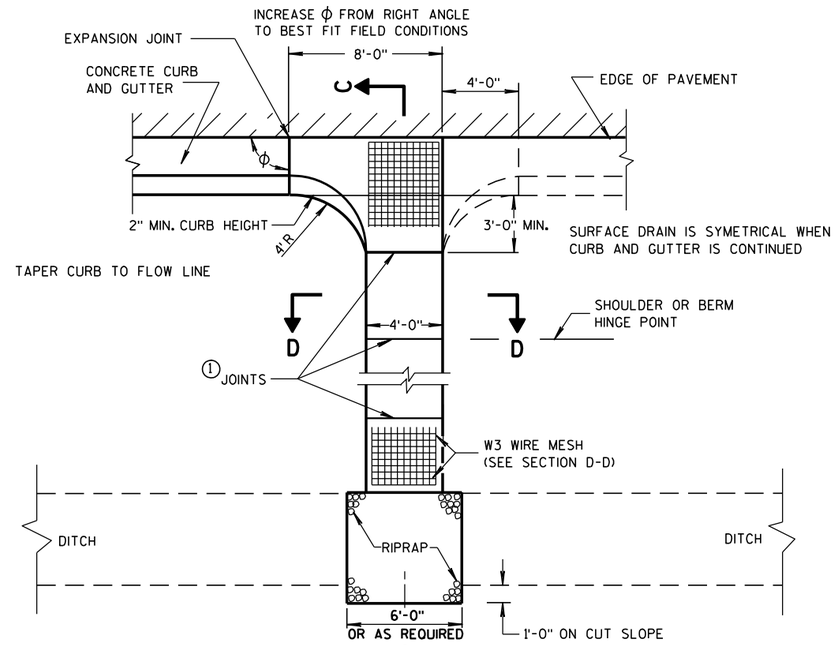
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

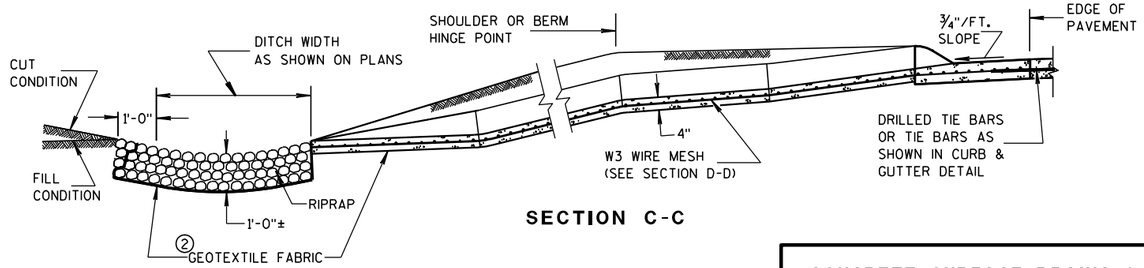
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

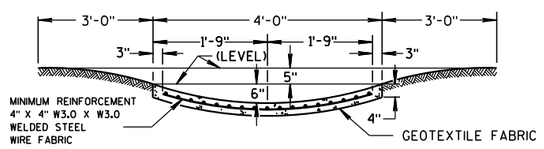
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

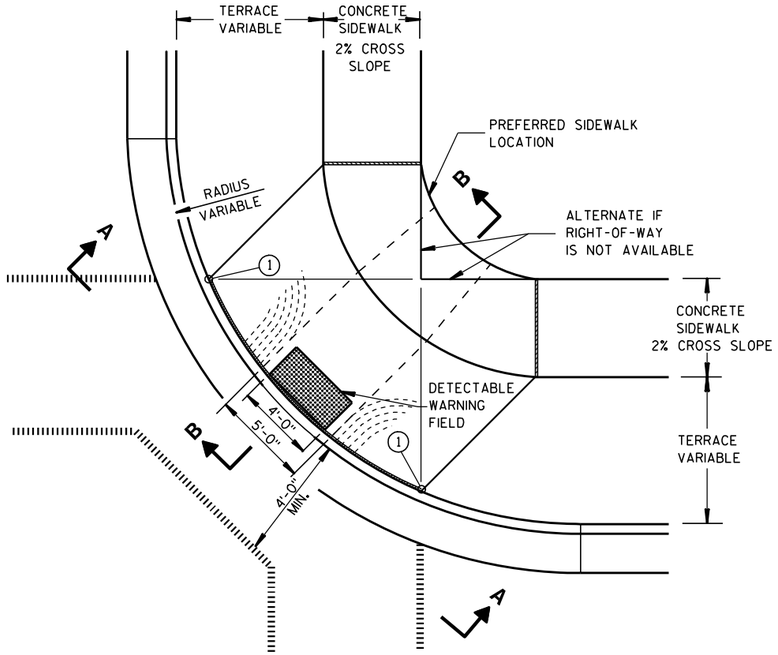
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
399
MENT
FHWA

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S.D.D. 8 D 4-5

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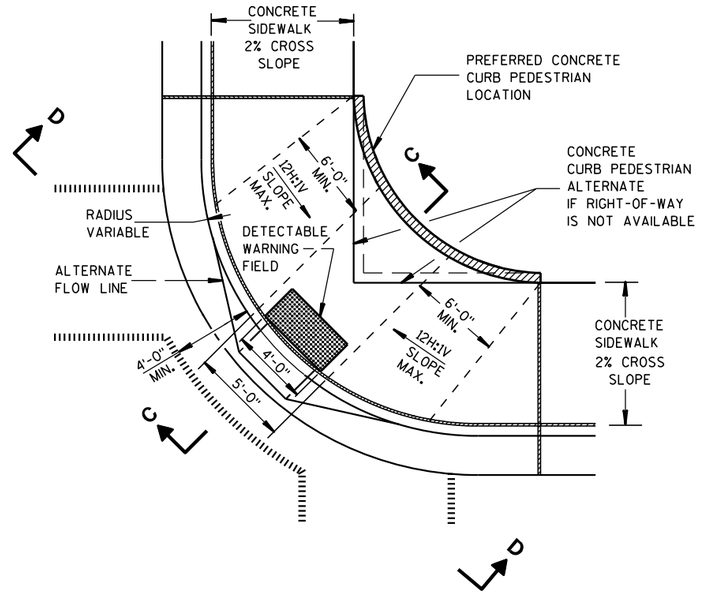
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

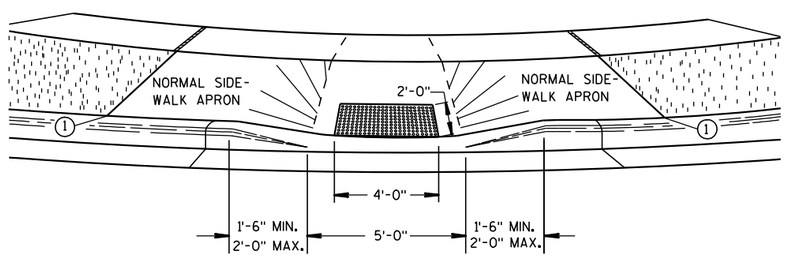
SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

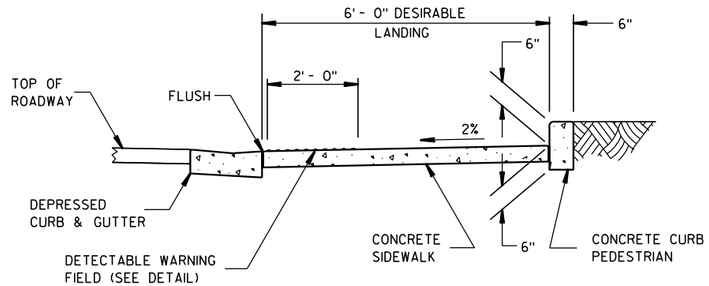
(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

LEGEND

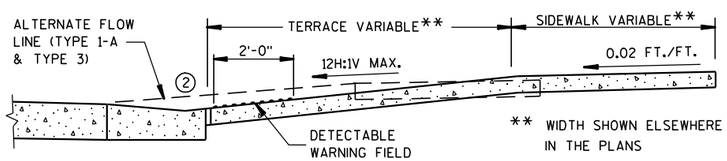
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



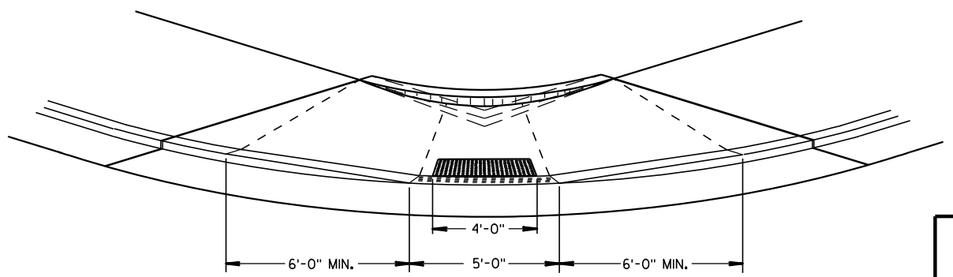
VIEW A-A



SECTION C-C



SECTION B-B



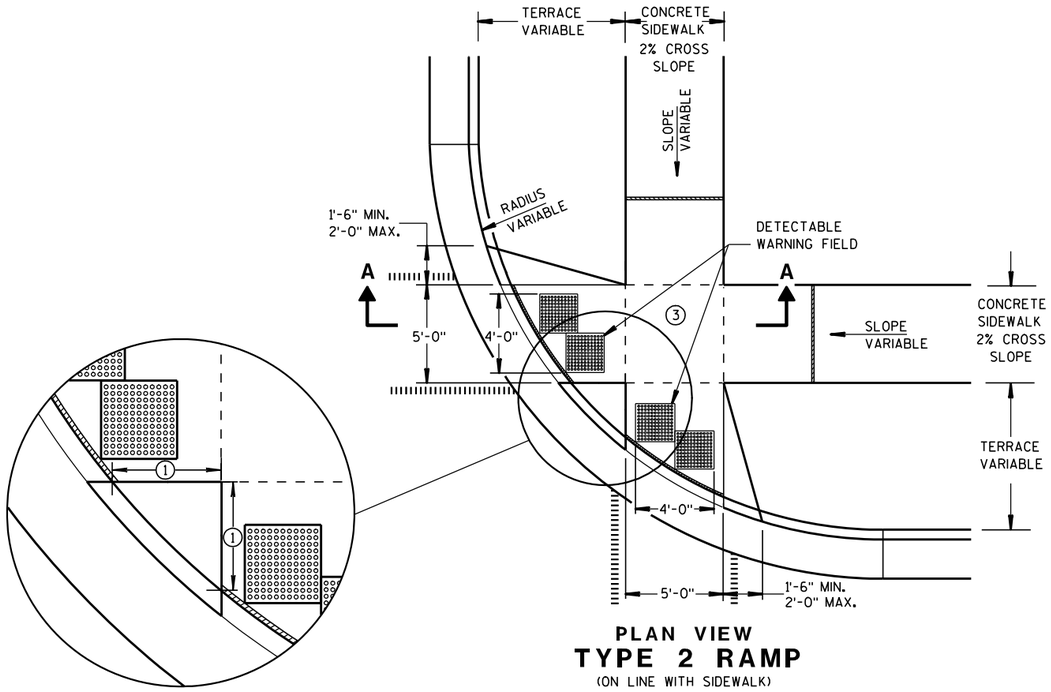
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

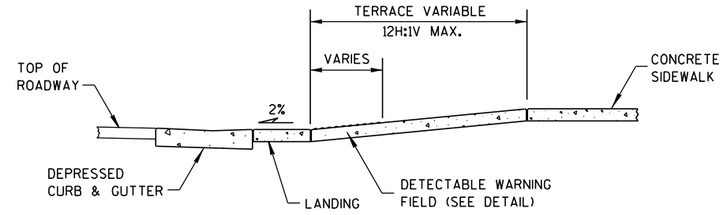
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

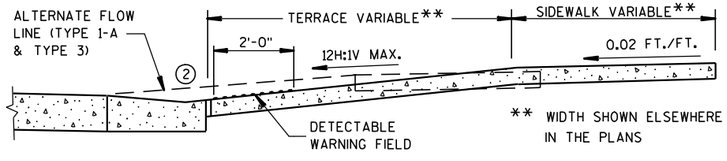
S.D.D. 8 D 5-14a



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.

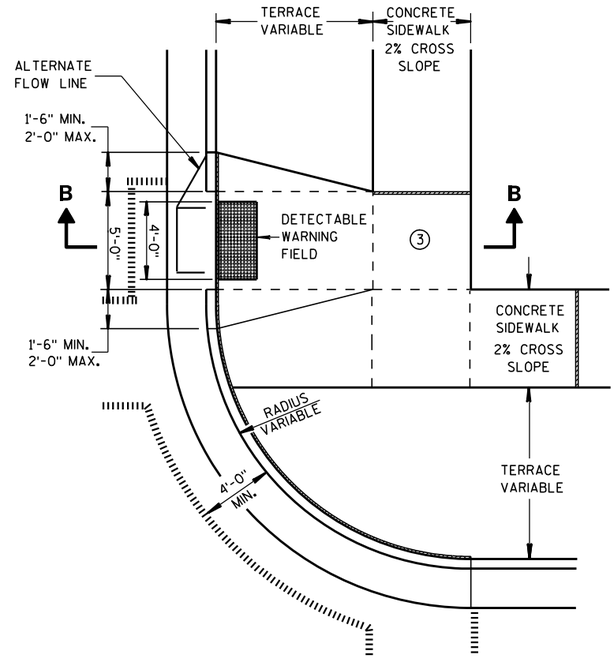
(1) WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

(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

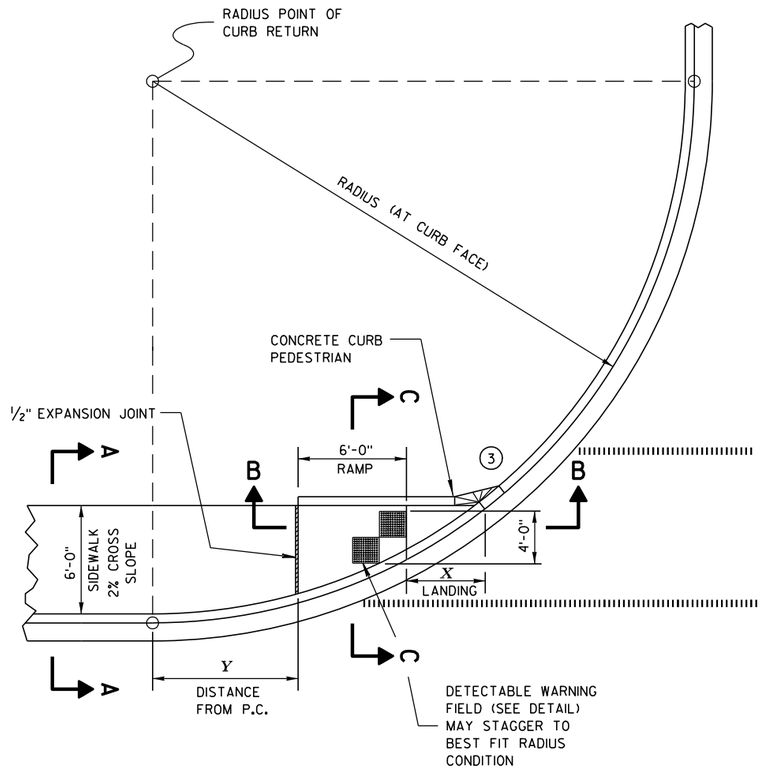


PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS
TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

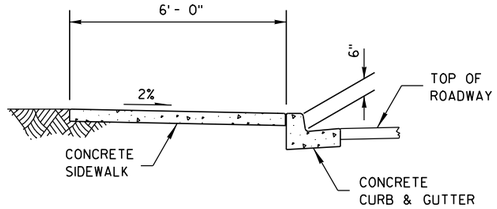
6
S.D.D. 8 D 5-14b



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1 3/4"	2'-7 1/4"
30 FEET	7'-11 3/4"	4'-8 1/4"
40 FEET	9'-5 1/4"	6'-5"
50 FEET	10'-8 3/4"	7'-11 1/4"
60 FEET	11'-10 1/4"	9'-3 1/2"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A

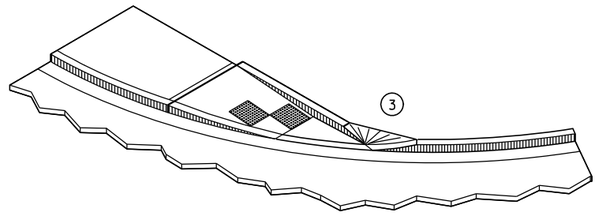
GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

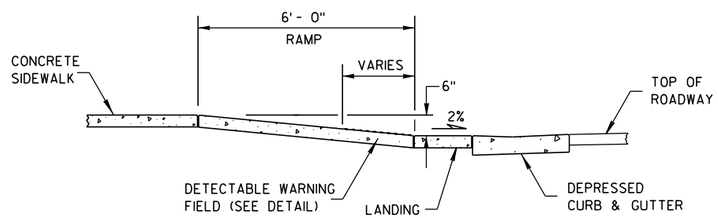
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

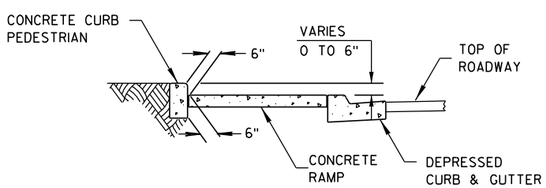
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW



SECTION B-B



SECTION C-C

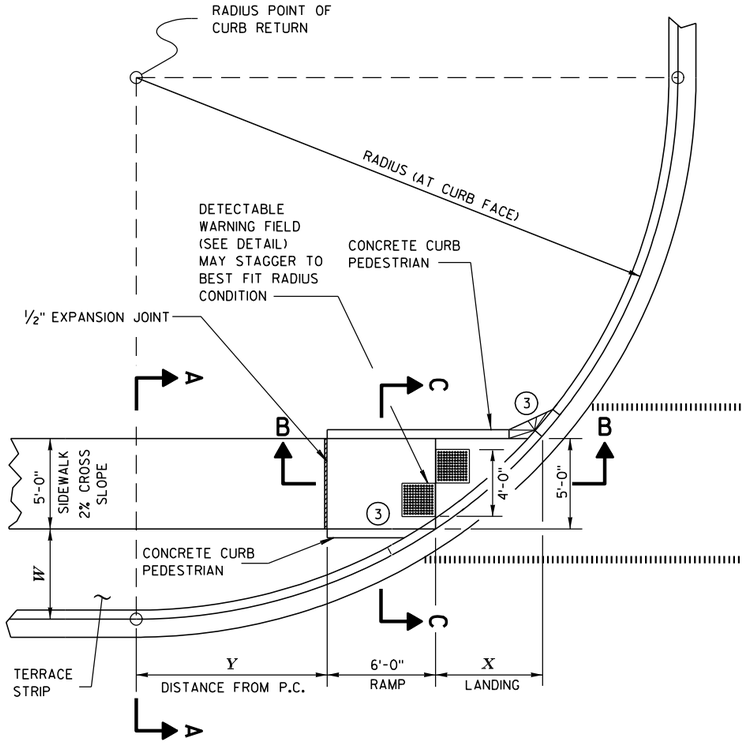
LEGEND

- 1/2" 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



CURB RAMP TYPE 4B
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

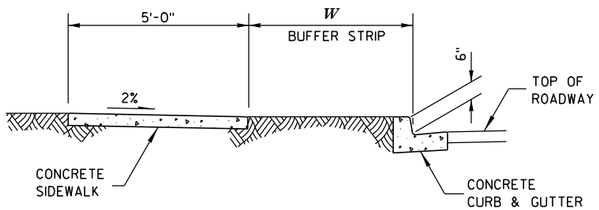
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

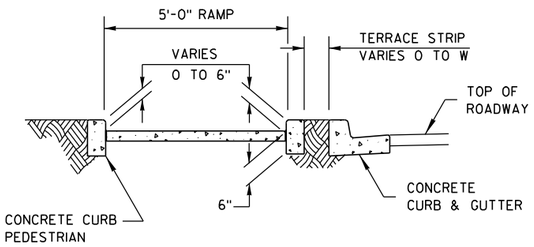
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

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"

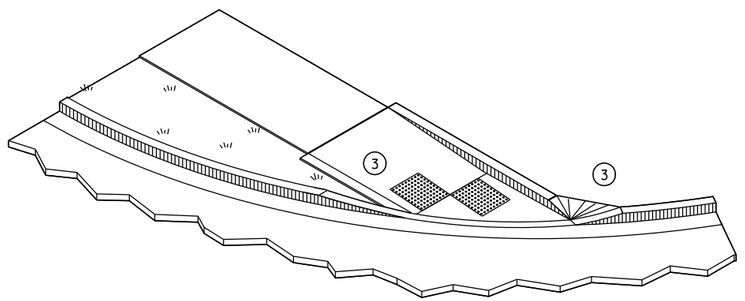
INTERMEDIATE RADII CAN BE INTERPOLATED



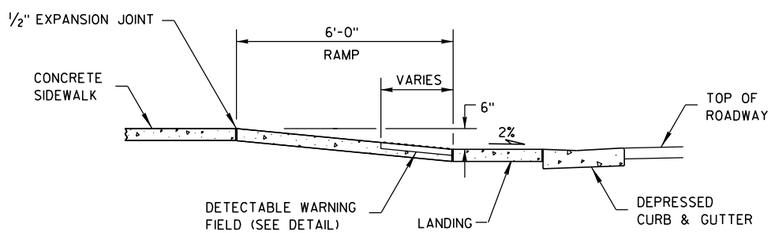
SECTION A-A



SECTION C-C



ISOMETRIC VIEW



SECTION B-B

LEGEND

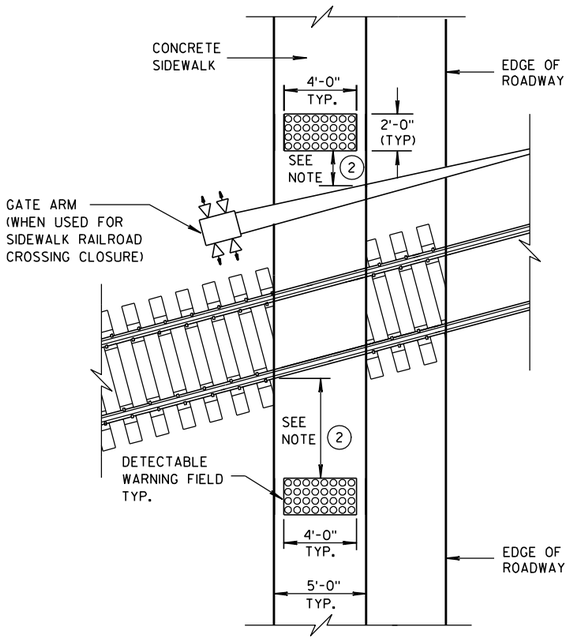
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B

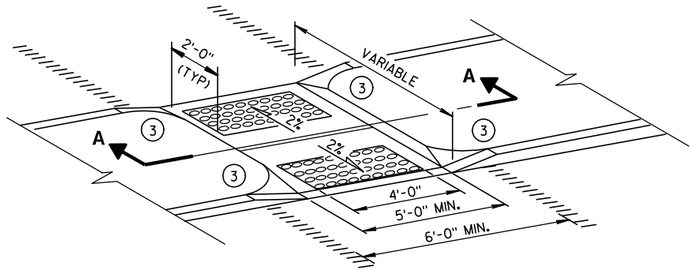
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

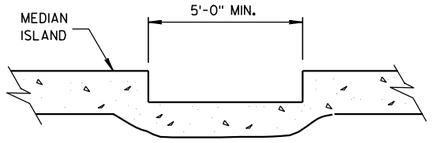
S.D.D. 8 D 5-14d



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%.

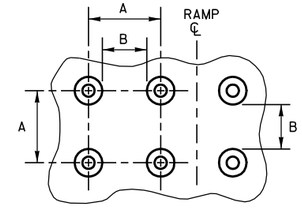
(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

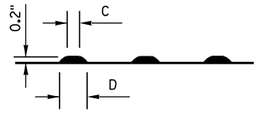
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



PLAN VIEW

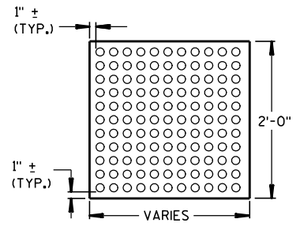
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



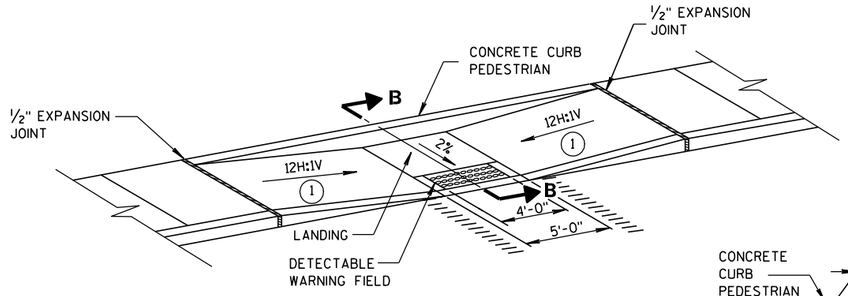
ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

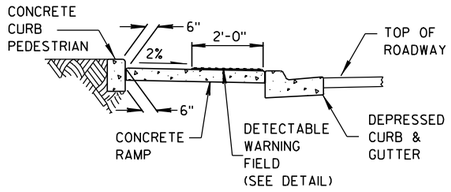


PLAN VIEW

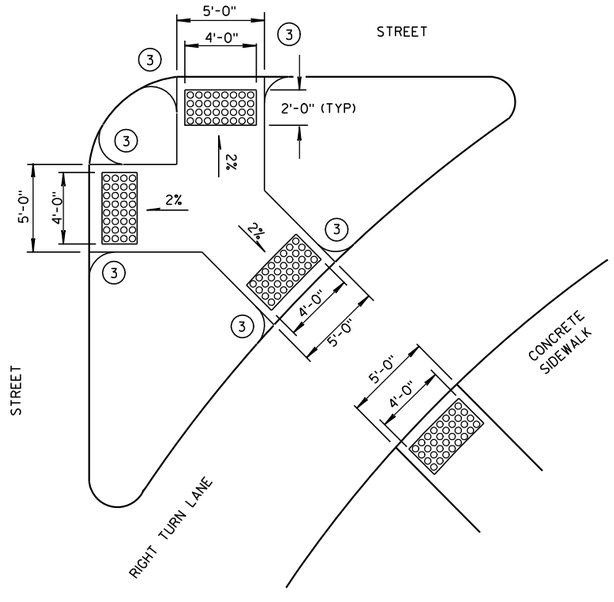
DETECTABLE WARNING FIELD (TYPICAL)



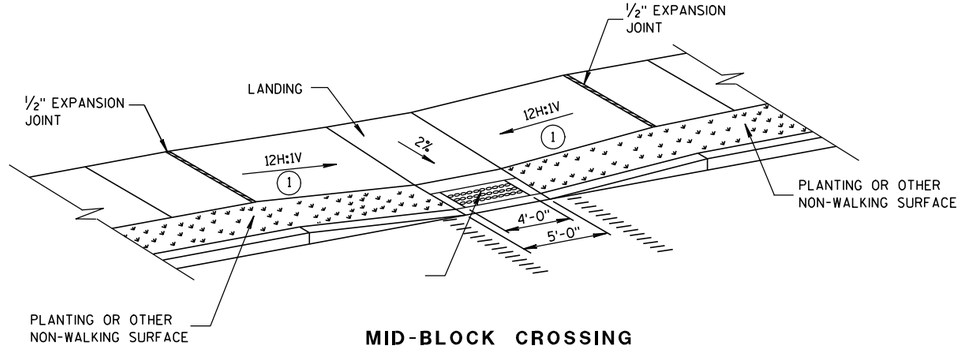
MID-BLOCK CROSSING
TYPE 7A



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.

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2-9-10 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
404 ENT
FHWA

6
S.D.D. 8 D 5-14e

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

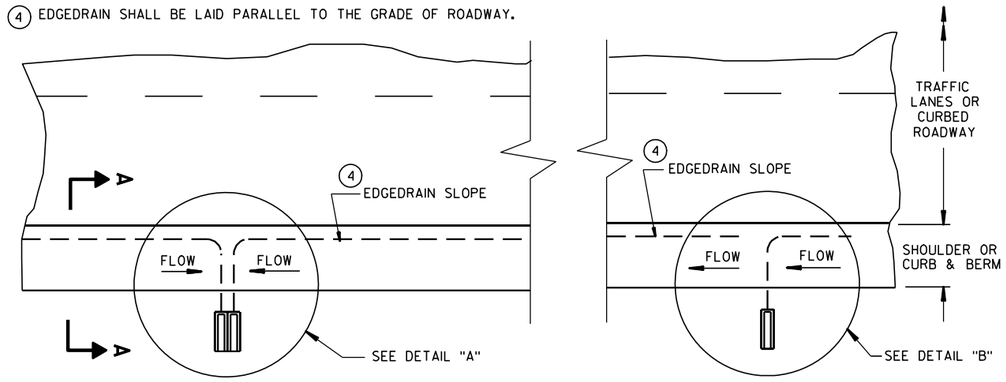
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

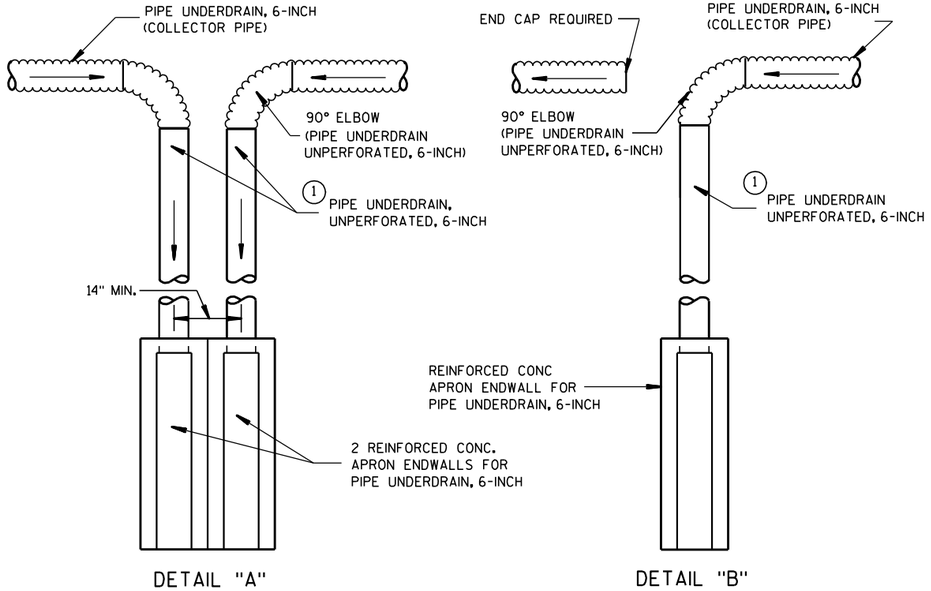
(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS

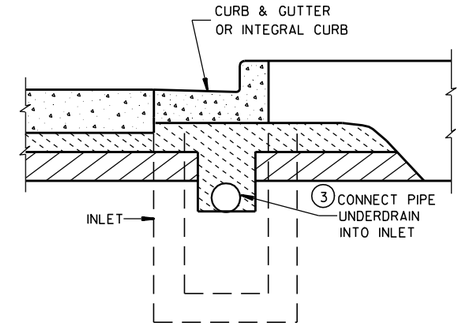
(EDGEDRAIN OUTLETS TO ROADSIDE) (2)



DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS

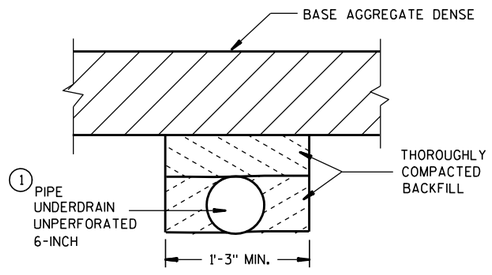
DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



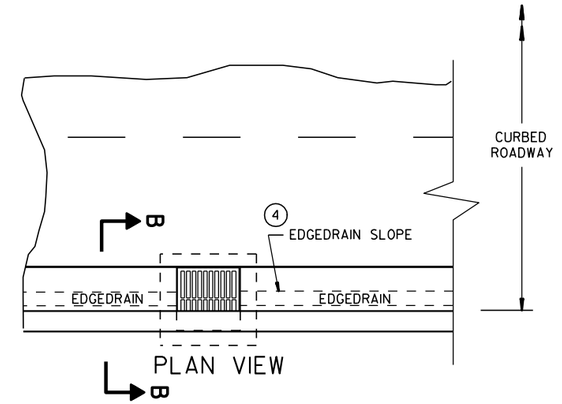
SECTION B-B

URBAN CROSS SECTION



SECTION C-C

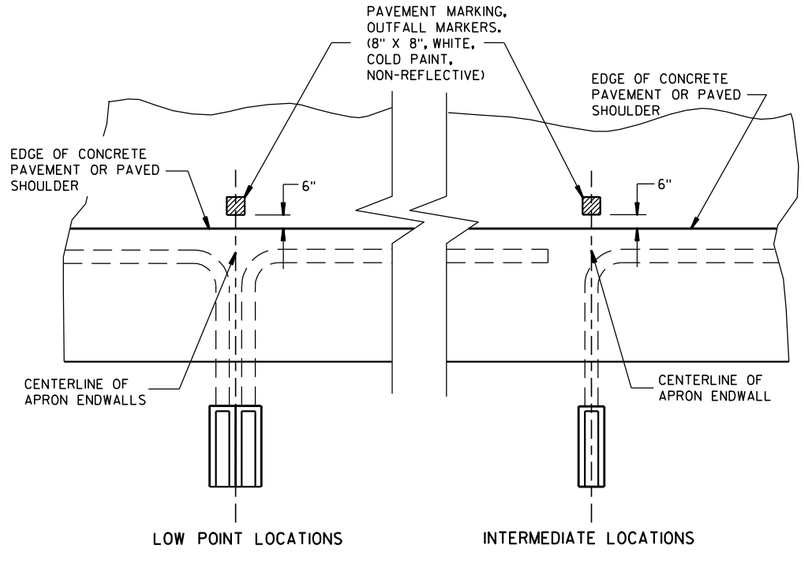
(TRENCH FOR OUTFALL PIPE)



PLAN VIEW

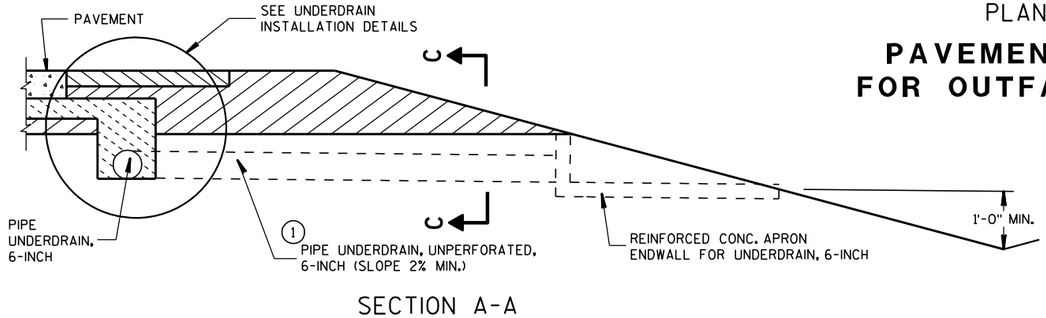
ROADWAY WITH CURBS

(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)



PLAN VIEW

PAVEMENT MARKING FOR OUTFALL MARKERS



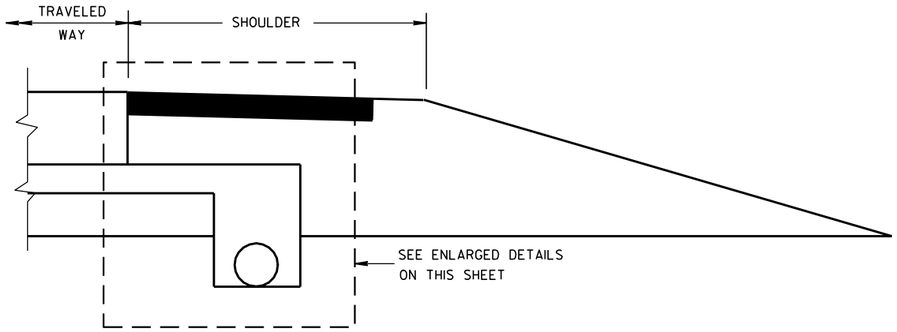
SECTION A-A

RURAL CROSS SECTION

EDGEDRAIN OUTLET AND OUTFALL MARKERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 8 D 15-4a



RURAL CROSS SECTION

GENERAL NOTES

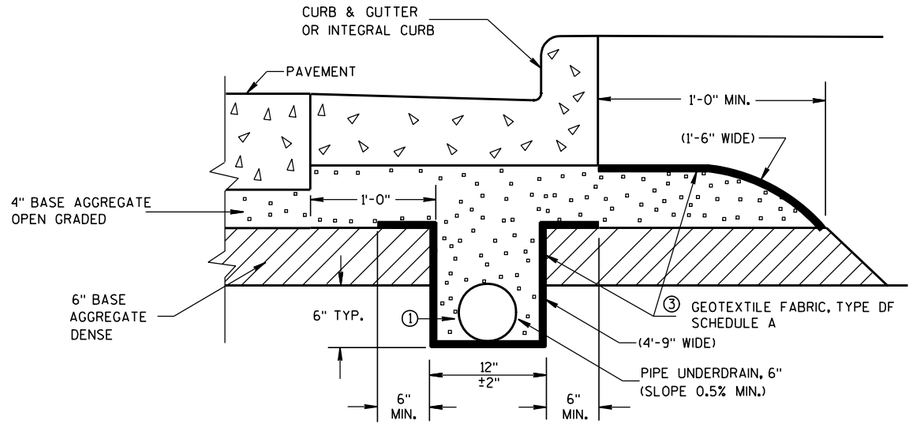
THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

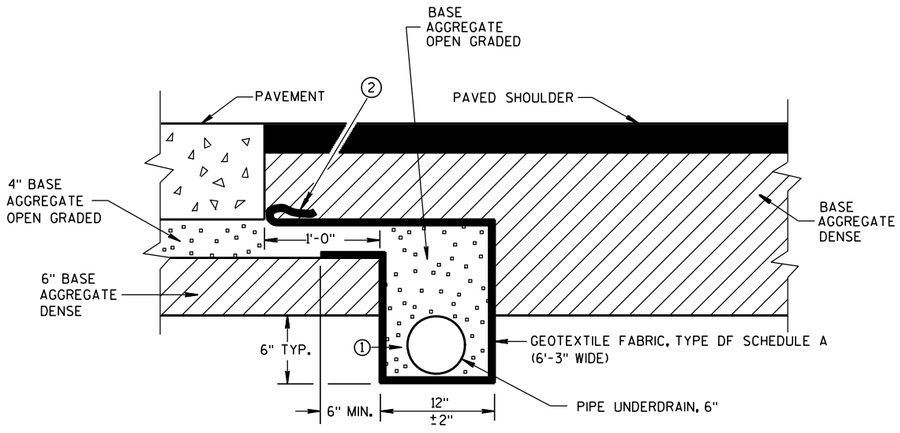
① TRENCH BACKFILL WILL BE PAID FOR AS BASE AGGREGATE OPEN GRADED.

② FOLD OVER EXCESS GEOTEXTILE FABRIC AT THIS LOCATION.

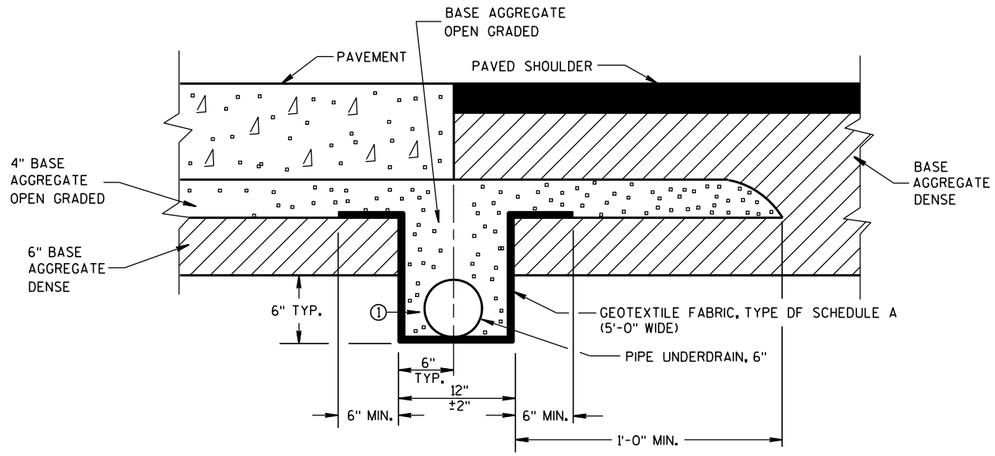
③ TOTAL FABRIC WIDTH IS 6'-3" FOR PAYMENT.



EDGEDRAIN IN URBAN ROADWAY



POST PAVING INSTALLATION
(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATE

EDGEDRAIN IN RURAL ROADWAY

EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

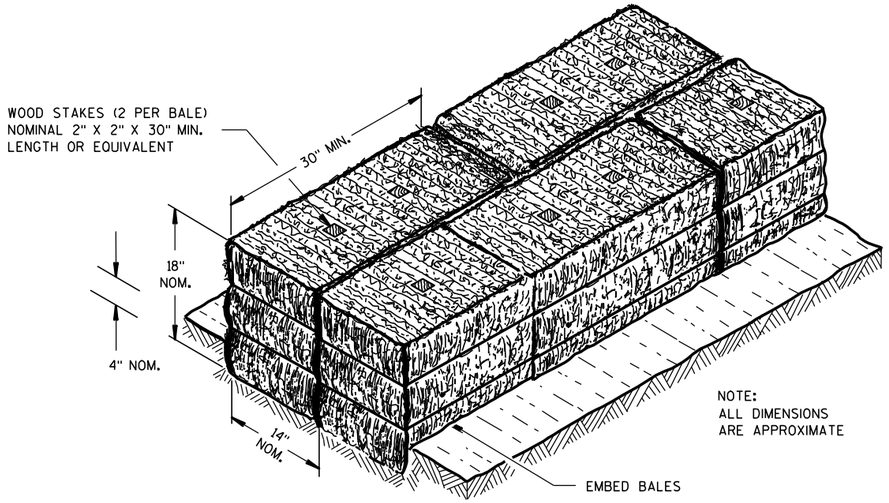
APPROVED

3/21/07 DATE — /S/ Steven W. [illegible] CHIEF MATERIALS MANAGER

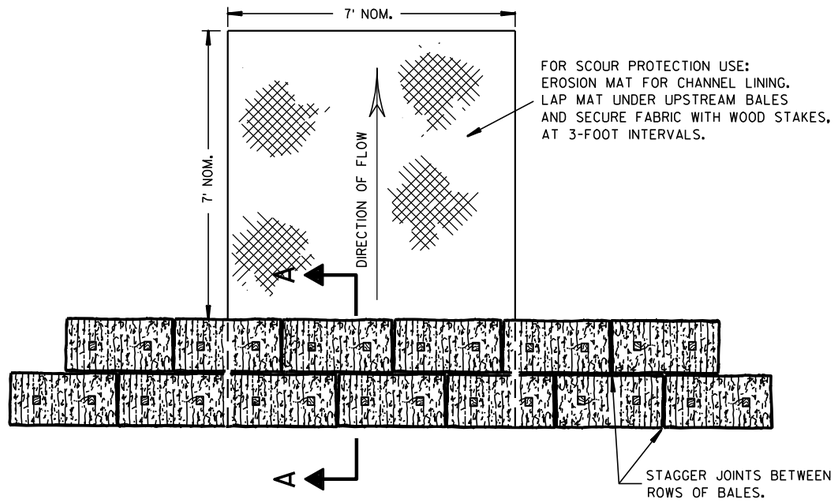
FHWA

6

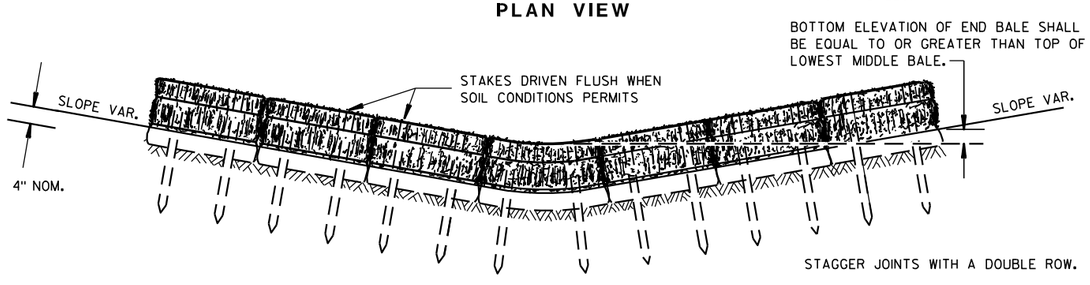
S.D.D. 8 D 15-4b



SECTION A-A



PLAN VIEW



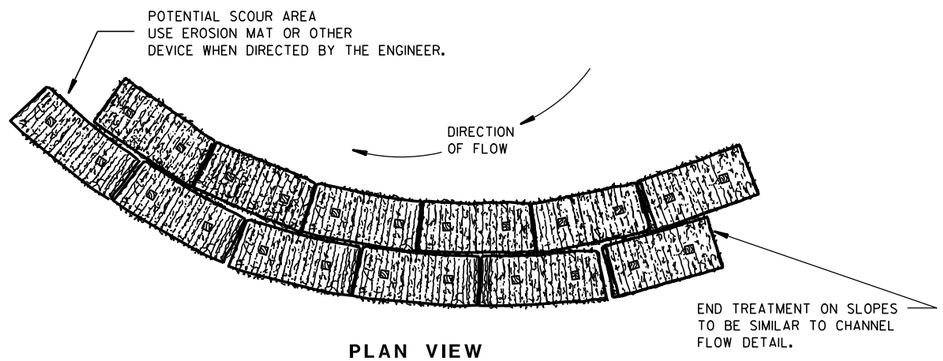
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

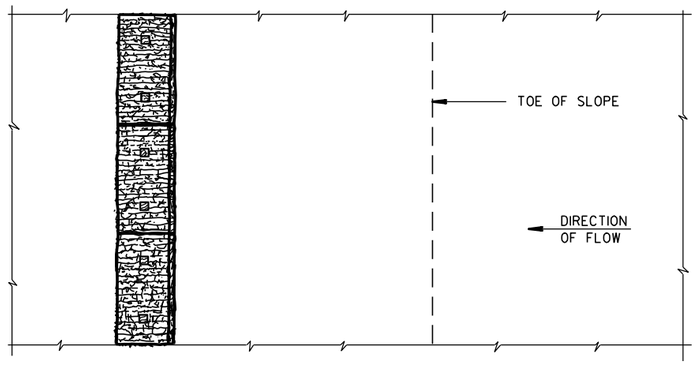
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

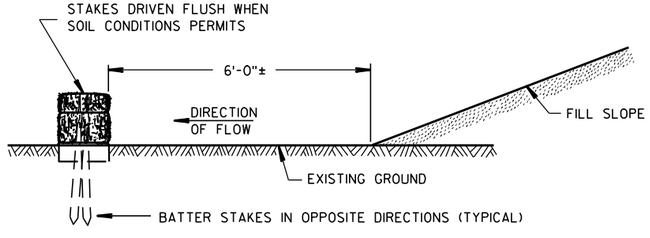


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

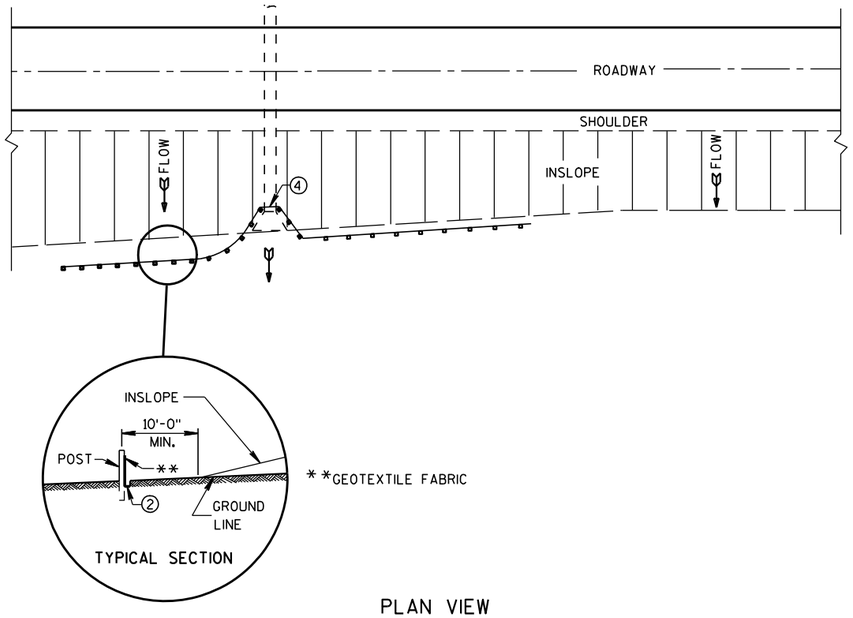
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

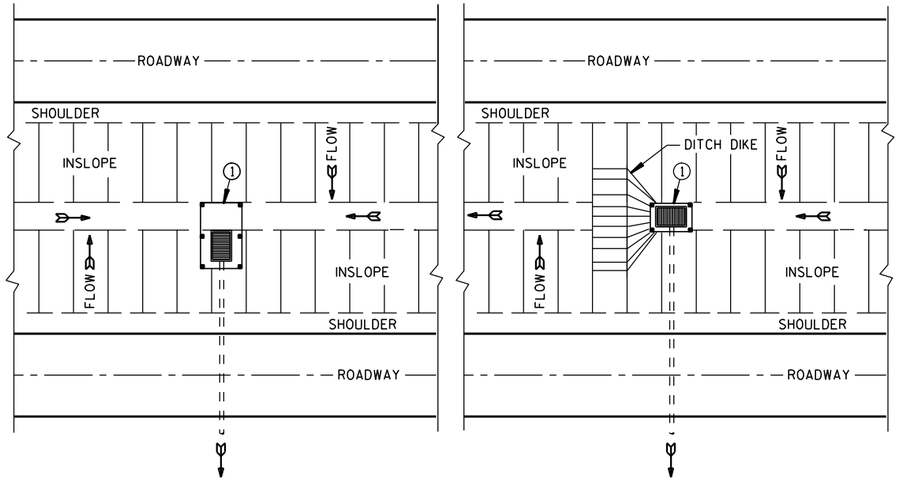
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

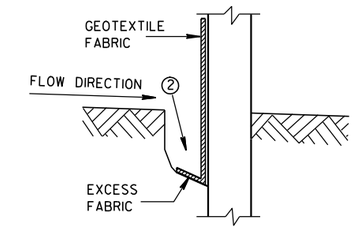
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

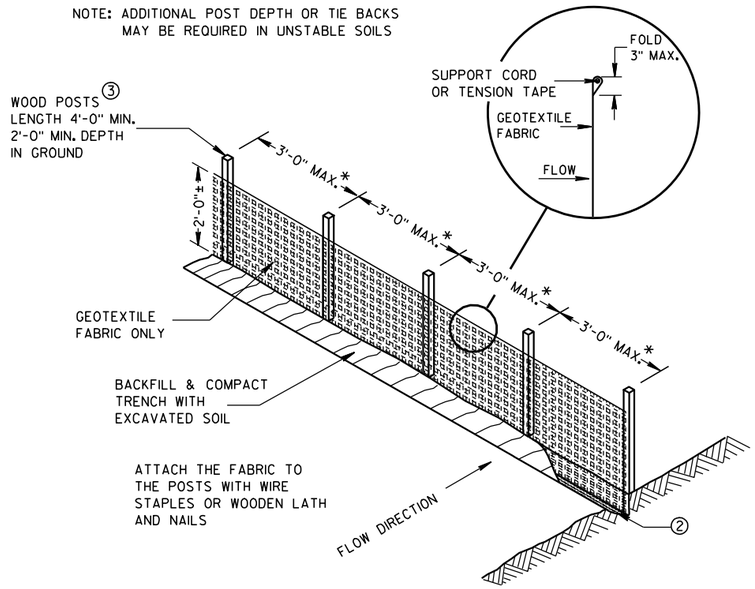
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

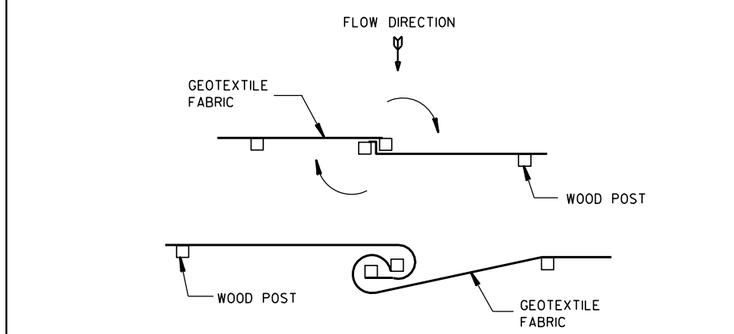
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



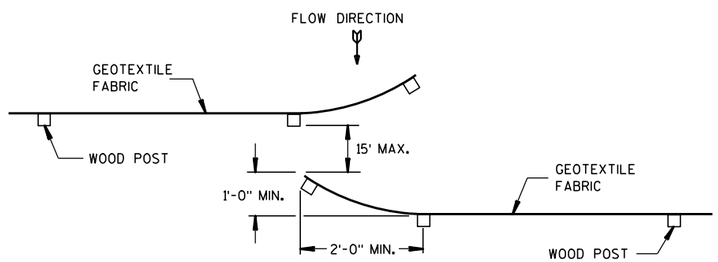
TRENCH DETAIL



SILT FENCE

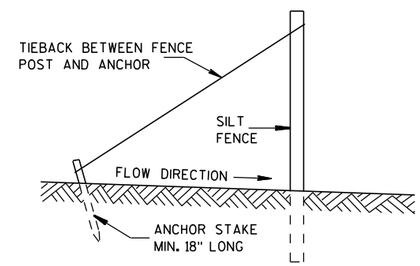


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

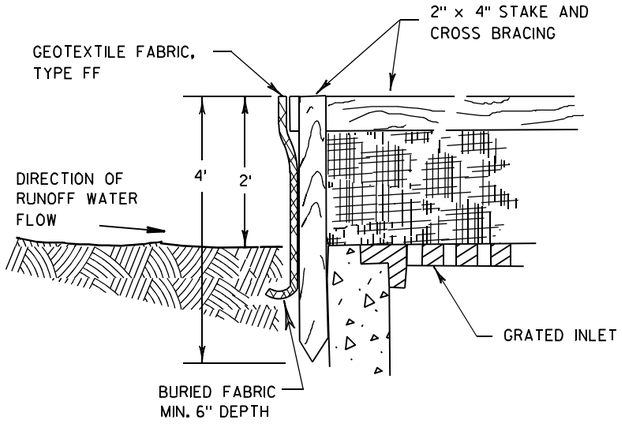
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

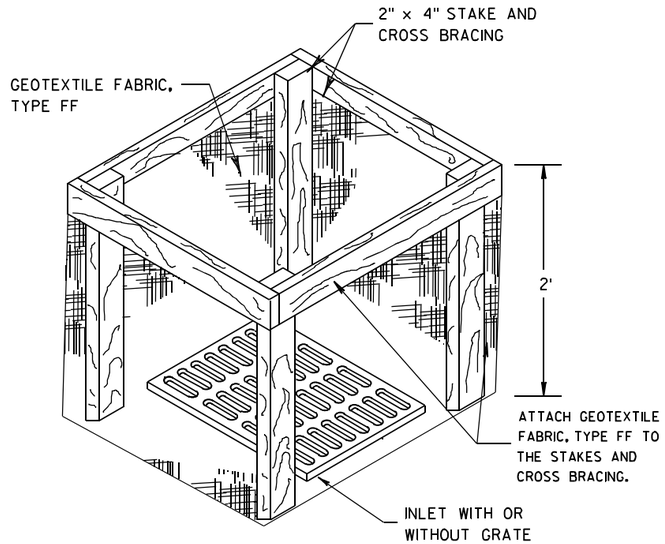
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S.D.D. 8 E 9-6

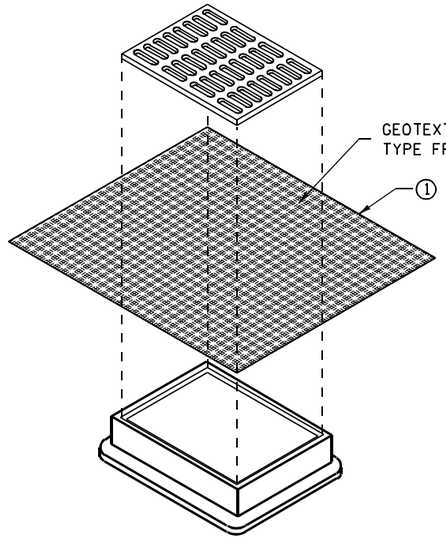
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S.D.D. 8 E 9-6



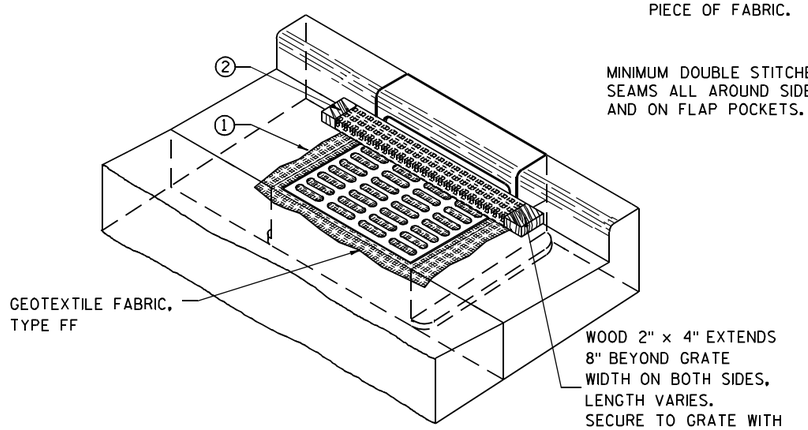


INLET PROTECTION, TYPE A

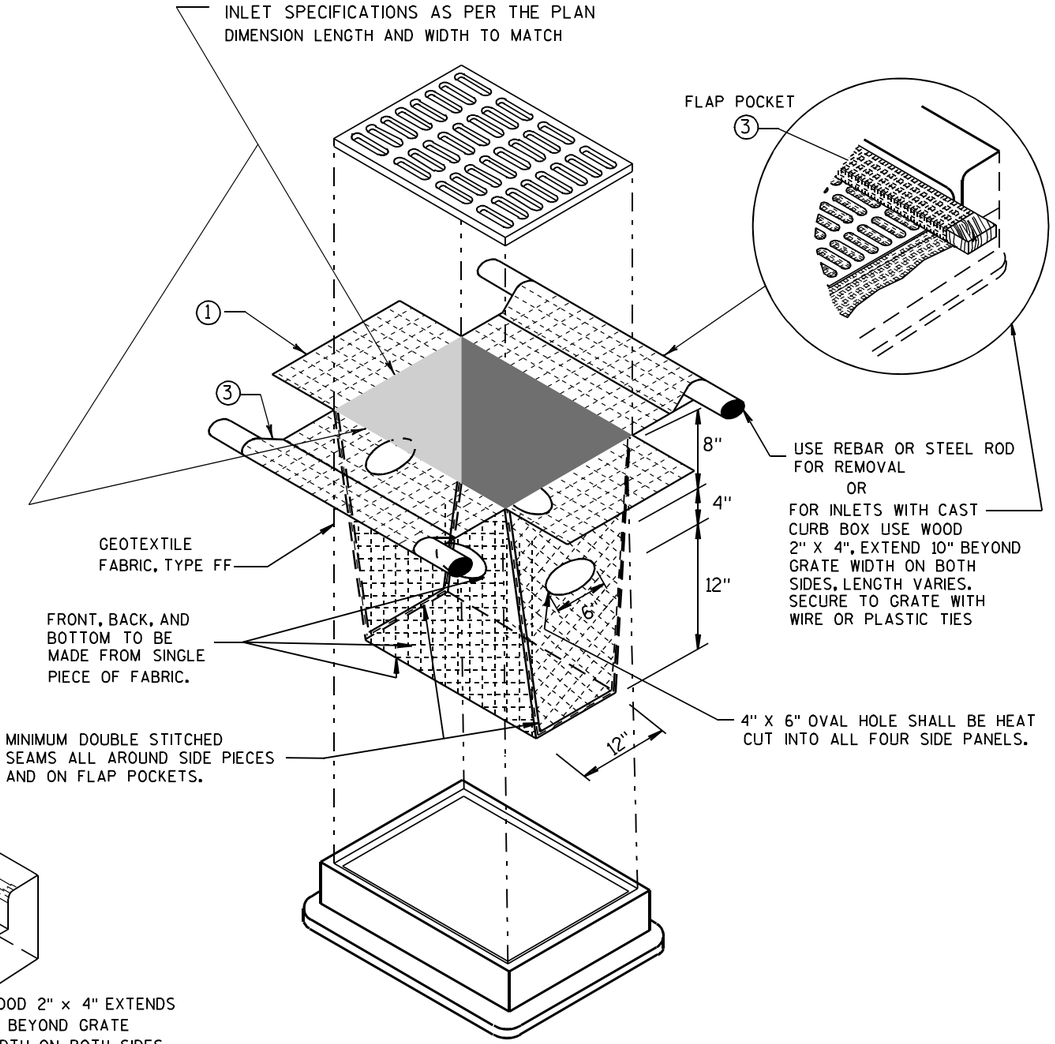


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

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

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

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

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

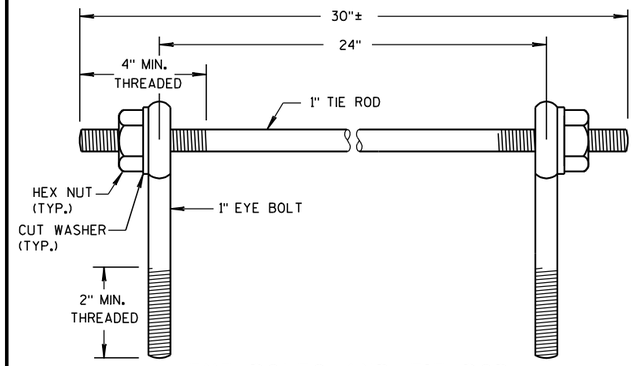
FHWA

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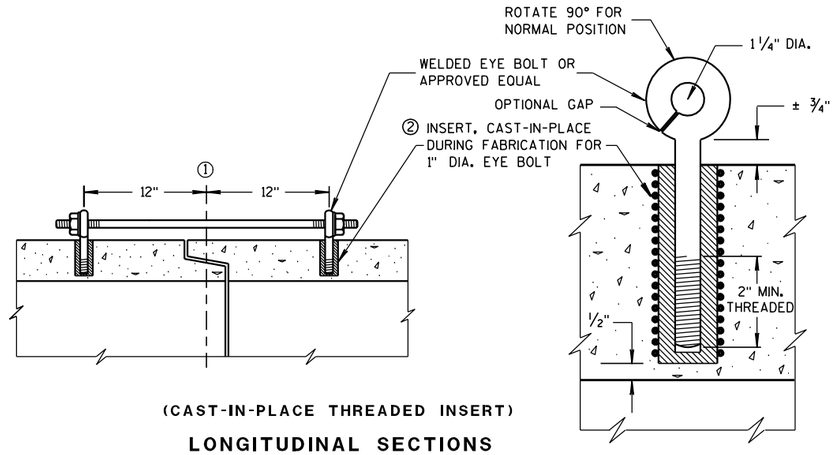
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

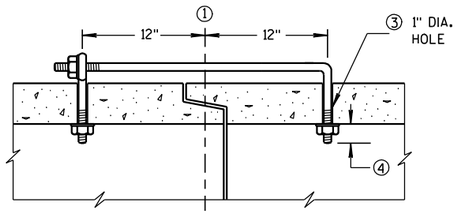
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

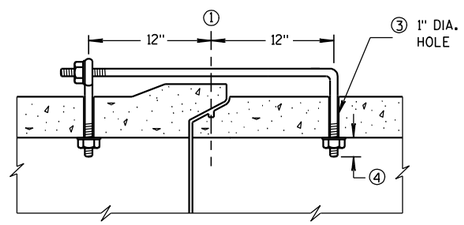
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

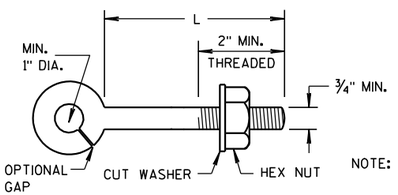


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

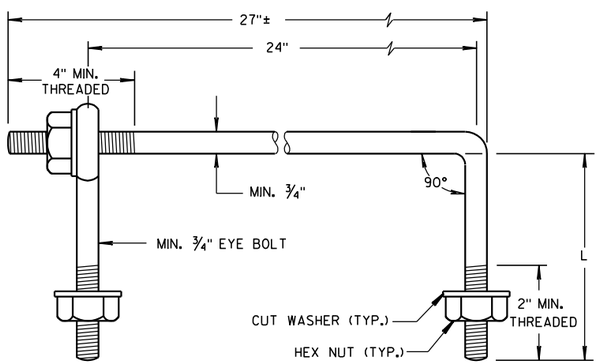
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

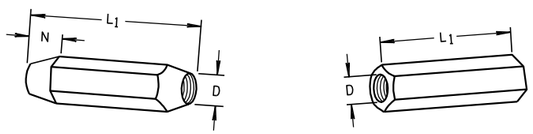
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

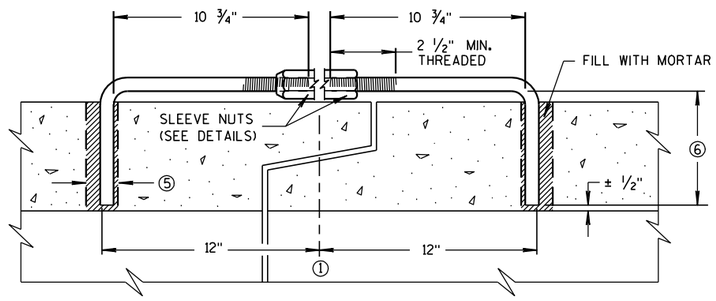
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

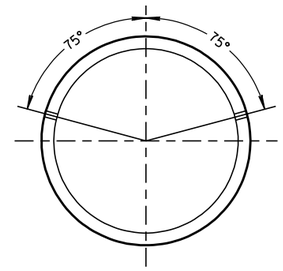
SLEEVE NUTS



LONGITUDINAL SECTION

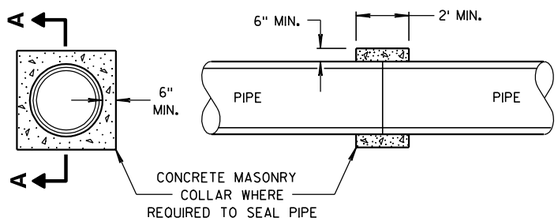
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

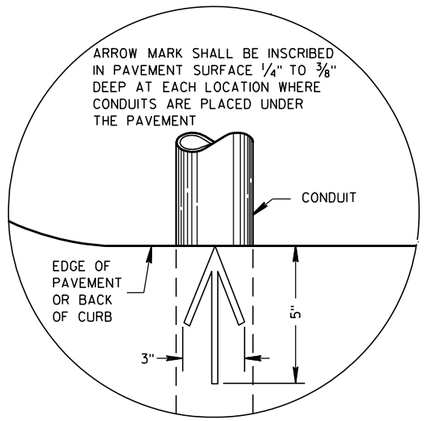
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
410
FHWA

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S.D.D. 8 F 4-7

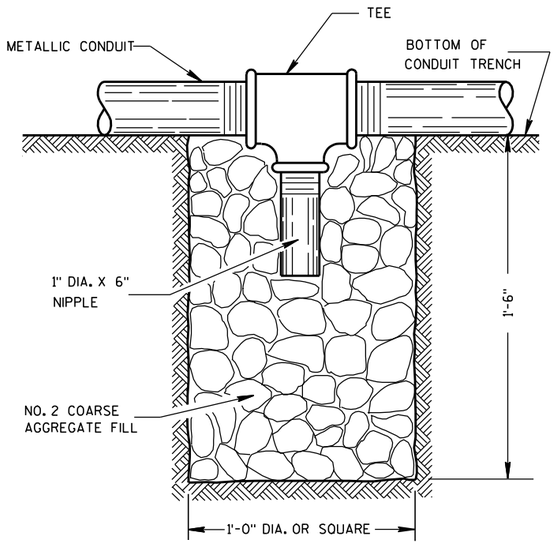
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S.D.D. 8 F 4-7



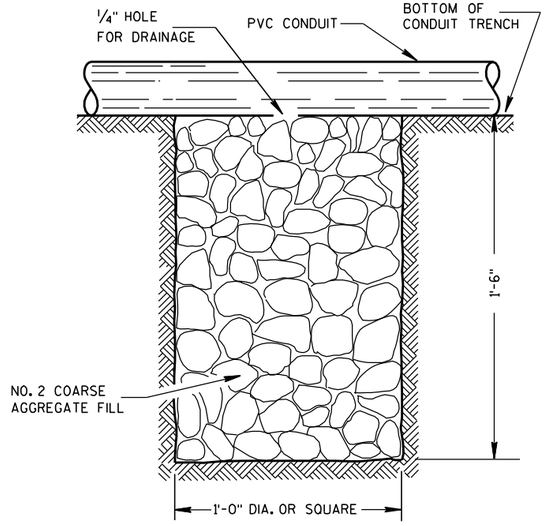
PLAN VIEW

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.

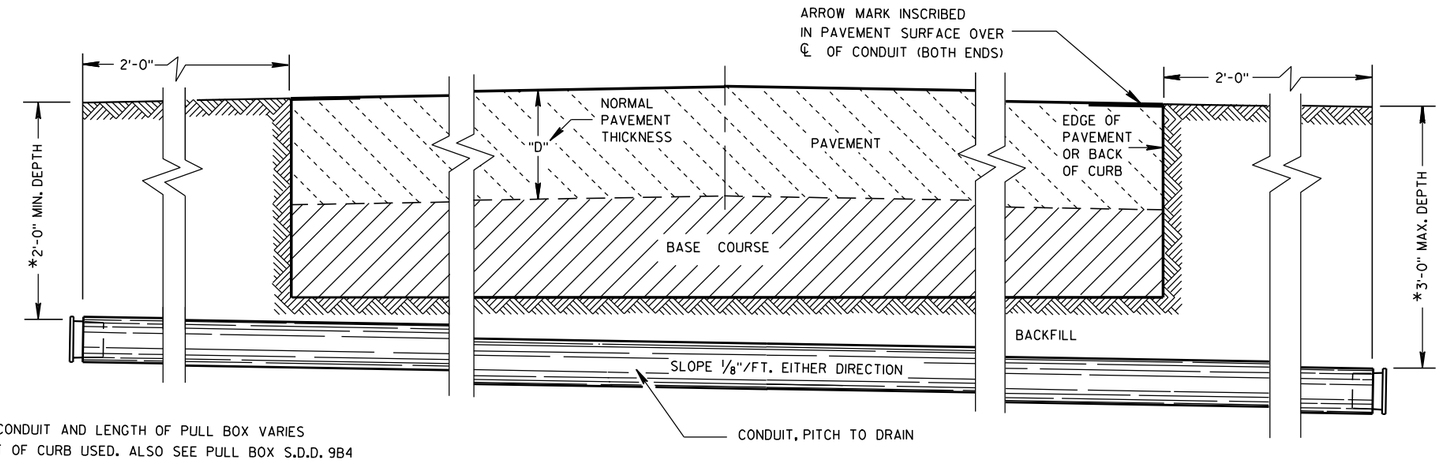
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

411

HWYS

FHWA

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.

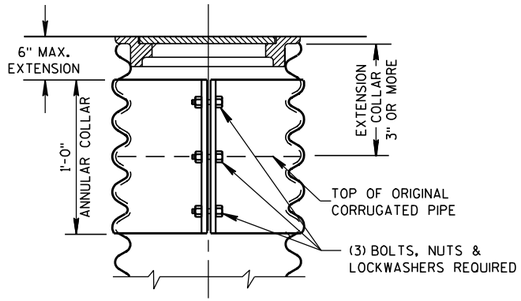
GROUNDING LUGS ARE NOT REQUIRED IN PULL BOXES WHEN VOLTAGES OF LESS THAN 50 VOLTS AC ARE THE ONLY VOLTAGES ENCOUNTERED IN THE BOXES.

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

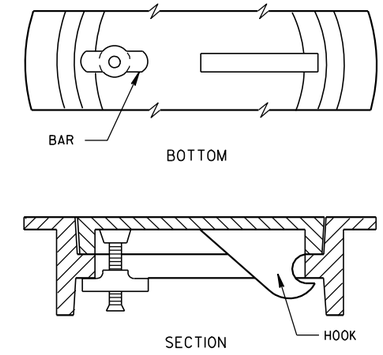
S.D.D. 9B2, "CONDUIT", APPLIES TO THIS DRAWING.

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.

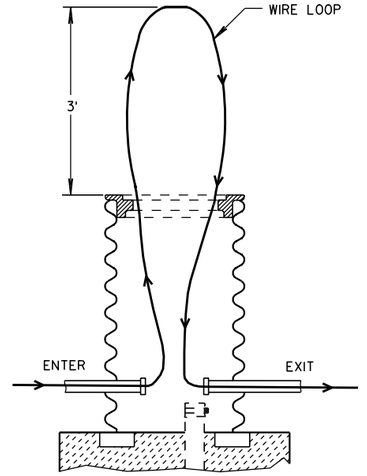


CORRUGATED PIPE EXTENDER

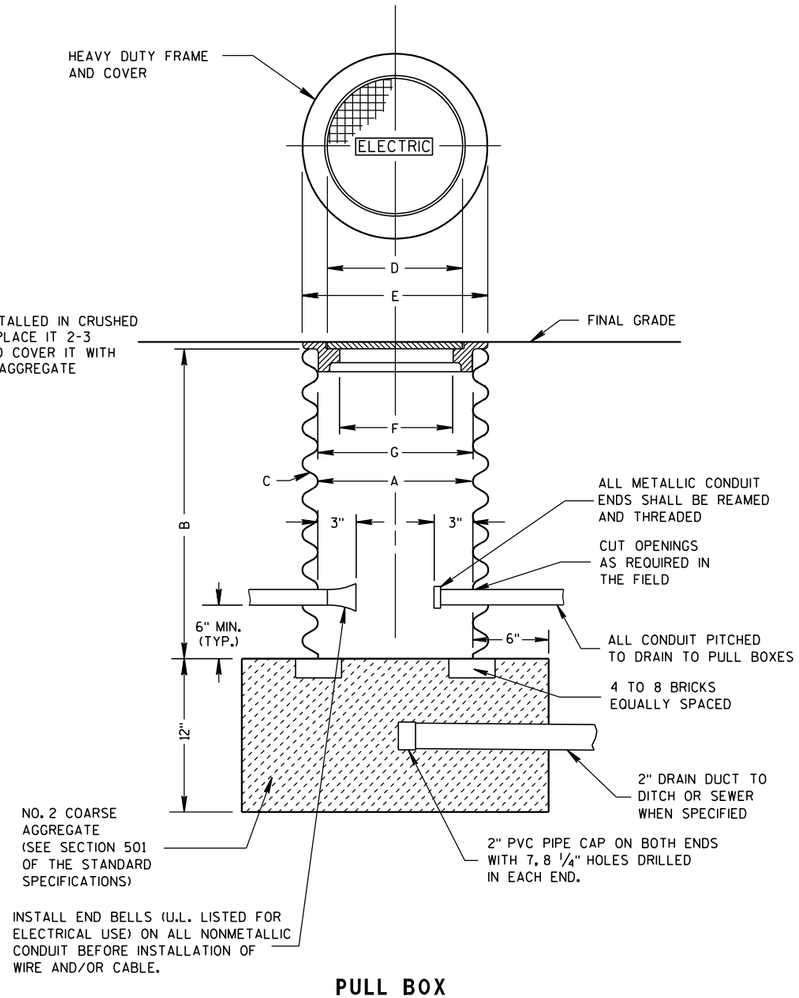


ALTERNATE COVER (LOCKING)

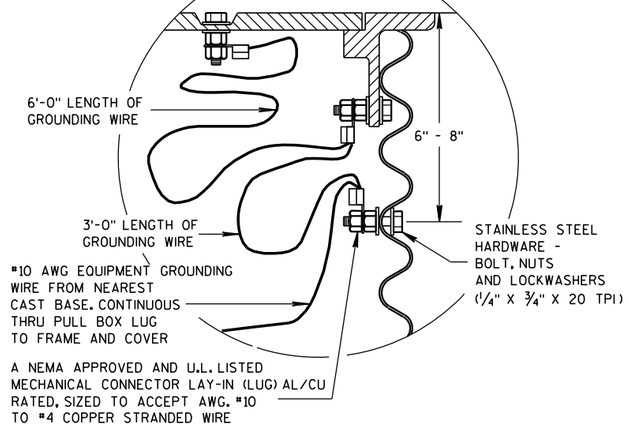
TIGHTENING BAR TYPE



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

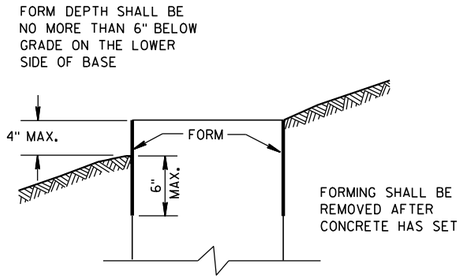
9/27/06 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI

412

HWYS

FHWA



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.

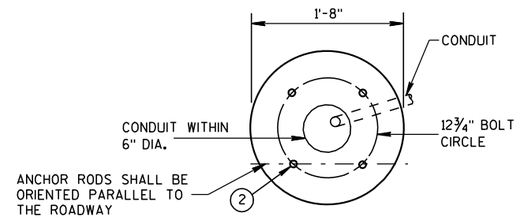
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

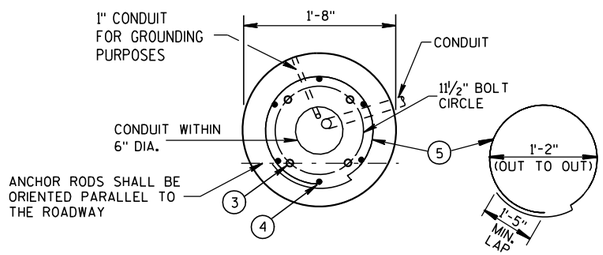
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

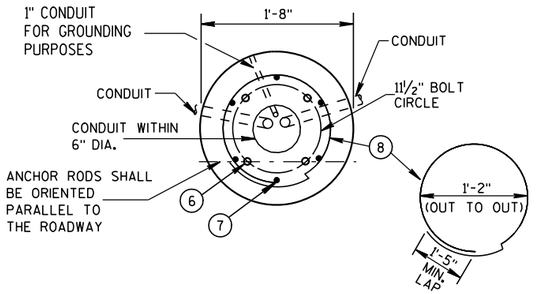
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



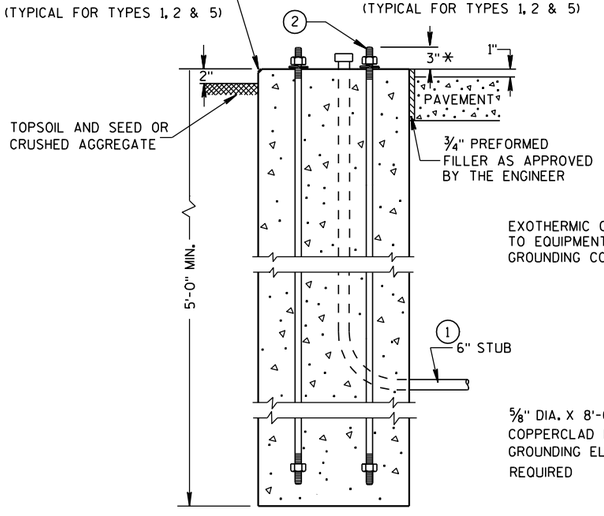




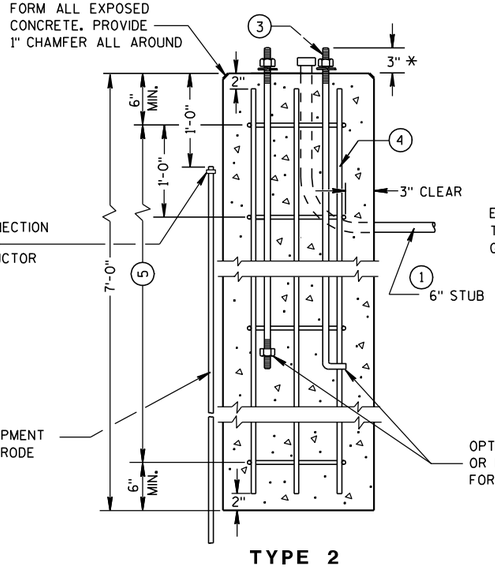
FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2 & 5)

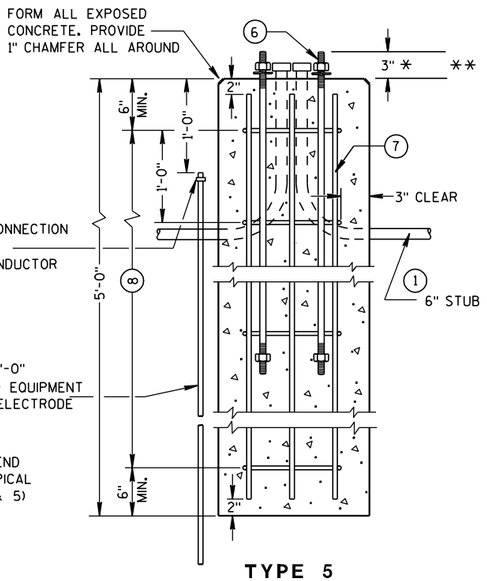
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2 & 5)



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. Rush — STATE ELECTRICAL ENGI
413
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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.

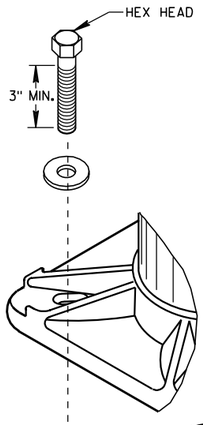
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

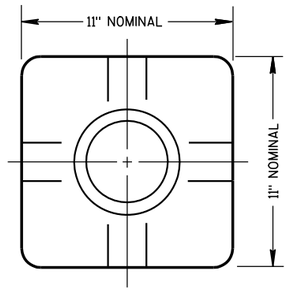
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

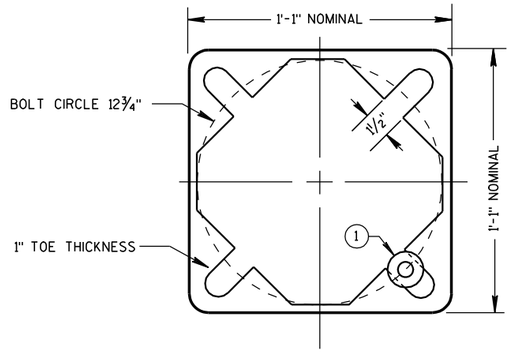
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1½", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

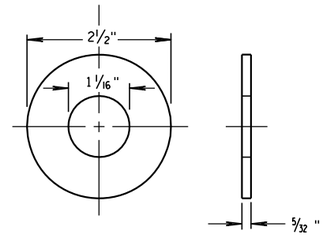




TOP VIEW
(PEDESTAL BASE)

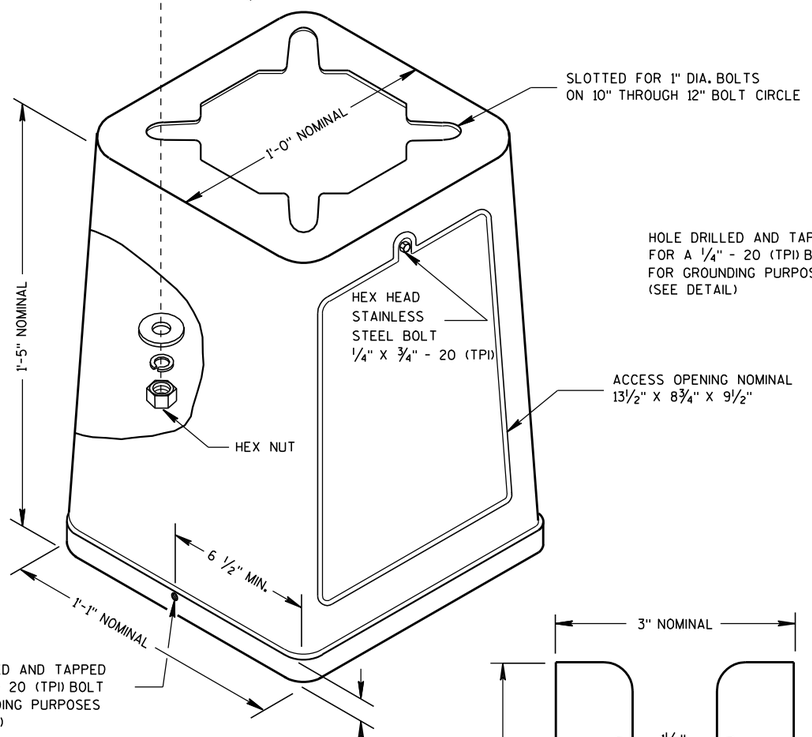


BOTTOM VIEW
(PEDESTAL BASE)

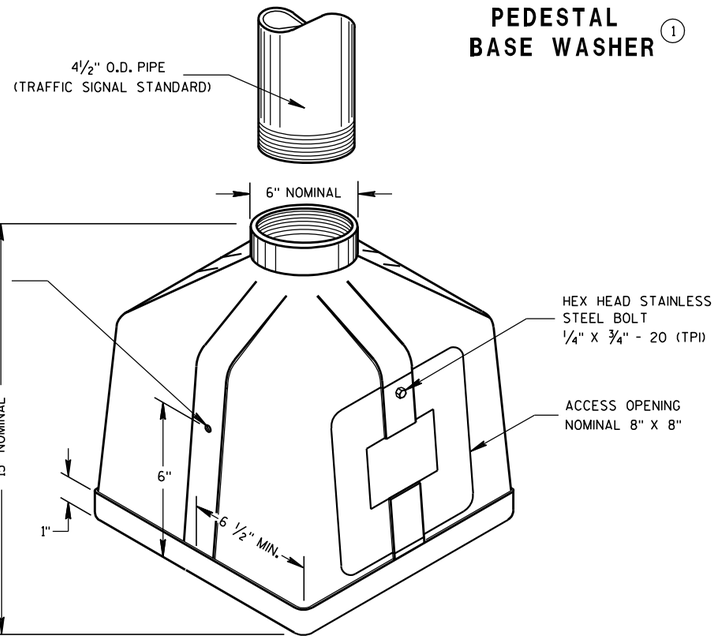


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

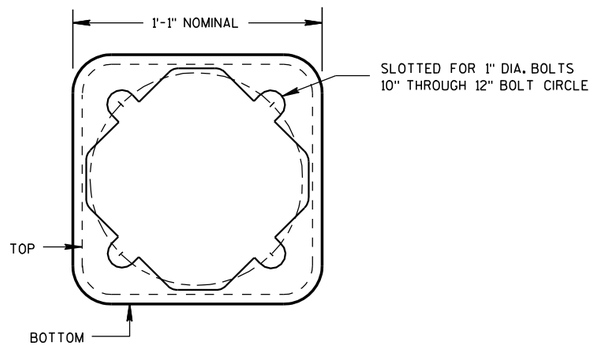


ISOMETRIC VIEW

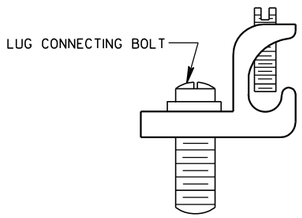


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

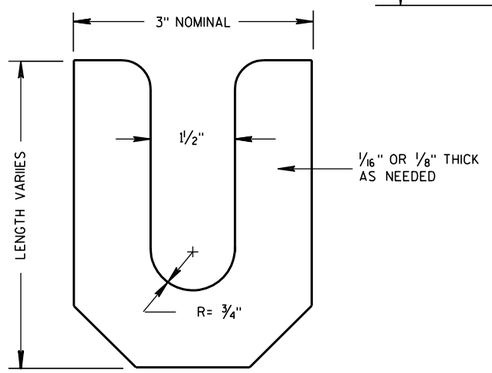


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

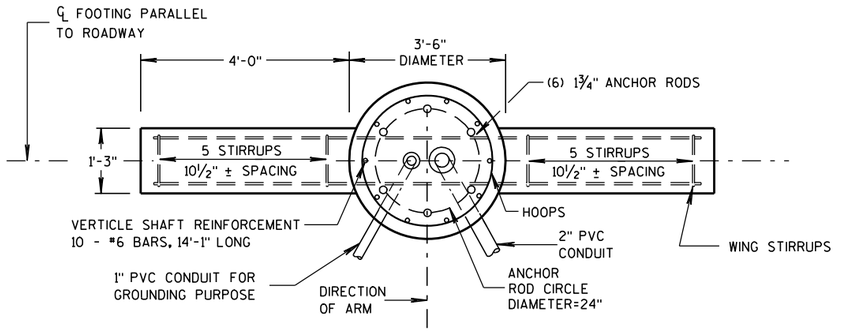
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10/27/09 — DATE
/S/ Joanna L. Rich — STATE ELECTRICAL ENGI
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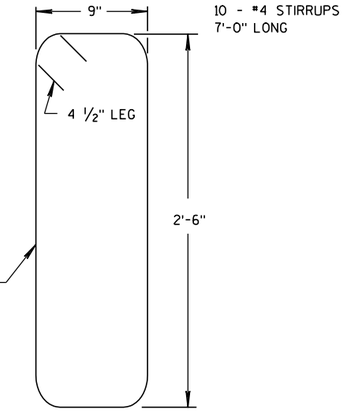
S.D.D. 9 C 3-3

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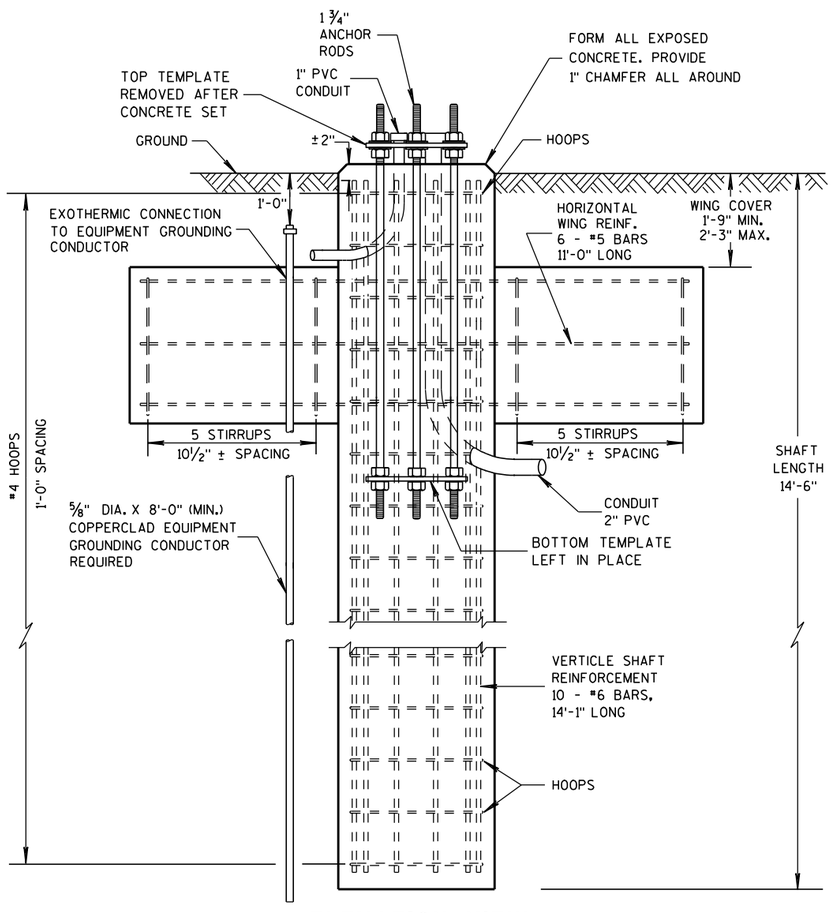
S.D.D. 9 C 3-3



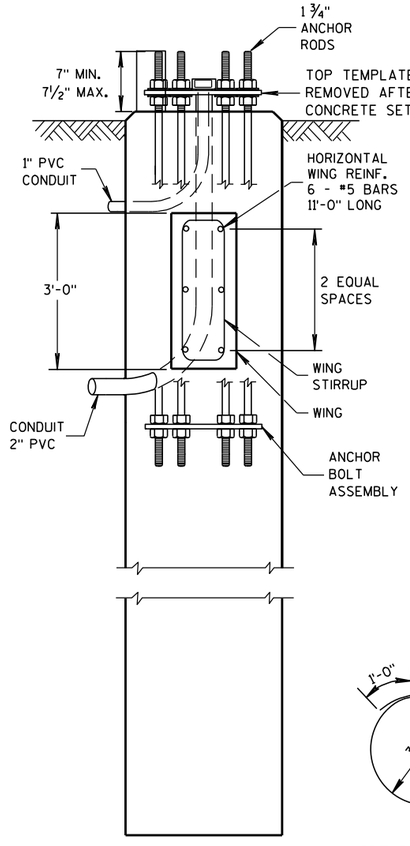
PLAN VIEW



WING STIRRUP

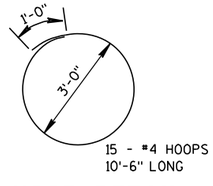


ELEVATION VIEW



SIDE VIEW

DOES NOT SHOW HOOPS OR
VERTICAL SHAFT REINFORCEMENT



15 - #4 HOOPS
10'-6" LONG

HOOP DETAIL

GENERAL NOTES

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

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE 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.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

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 BE FURNISHED AND INSTALLED TO 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.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL 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 THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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.

(FOR TYPE 12 & 13 POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 433 LBS.

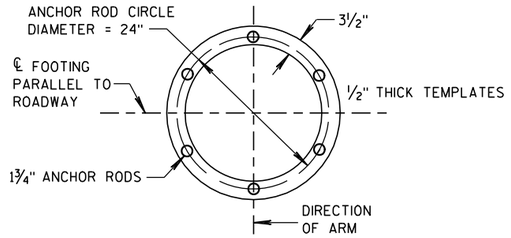
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-1 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 13

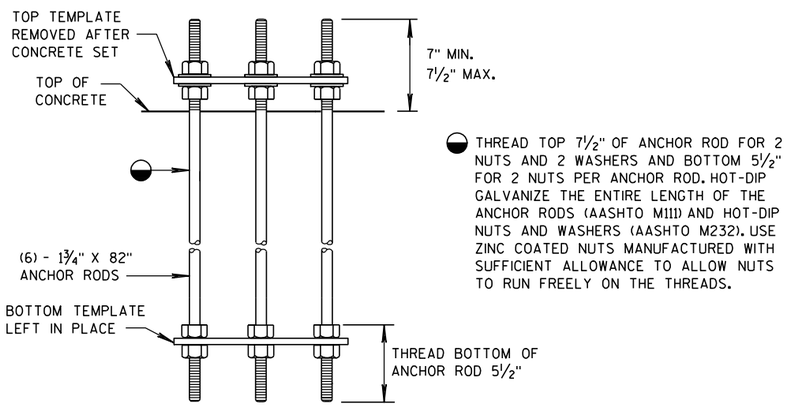
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 9 C 12 -2a



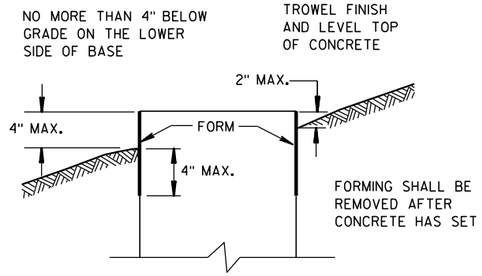
TOP AND BOTTOM TEMPLATES



◒ THREAD TOP 7½" OF ANCHOR ROD FOR 2 NUTS AND 2 WASHERS AND BOTTOM 5½" FOR 2 NUTS PER ANCHOR ROD. HOT-DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR RODS (AASHTO M111) AND HOT-DIP NUTS AND WASHERS (AASHTO M232). USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

6

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3-2-11
DATE

/S/ Thomas J. Gosrich
STATE ELECTRICAL ENGI 416 HWYS

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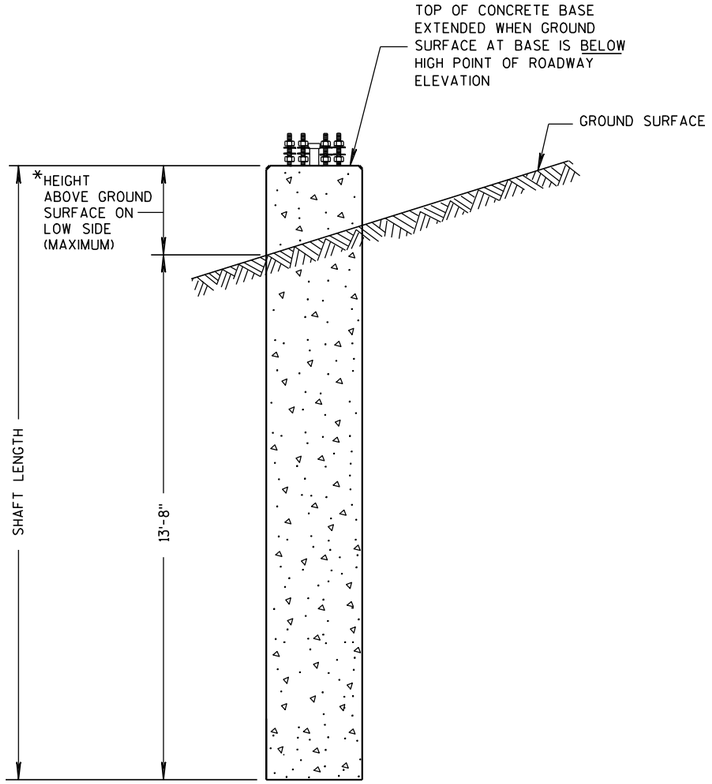
S.D.D. 9 C 12-2b

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 10 CONCRETE BASE

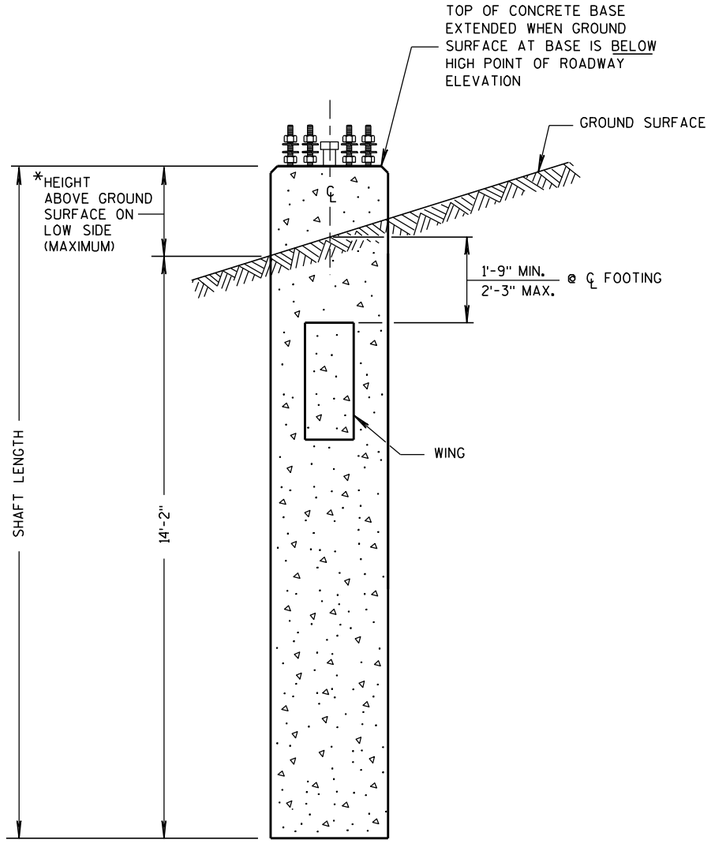
HEIGHT INCREASE REQUIRED	* HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAXIMUM)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #4 HOOPS	C.Y. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL BAR STEEL
>0" TO 6"	10"	14'-6"	14'-1"	16	2.6	78	127
>6" TO 1'-0"	1'-4"	15'-0"	14'-7"	16	2.7	78	131
>1'-0" TO 1'-6"	1'-10"	15'-6"	15'-1"	17	2.8	83	136
>1'-6" TO 2'-0"	2'-4"	16'-0"	15'-7"	17	2.9	83	141

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 13 CONCRETE BASE

HEIGHT INCREASE REQUIRED	* HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAXIMUM)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #4 HOOPS	C.Y. OF CONCRETE	LBS. OF H.S. BAR STEEL
>0" TO 6"	10"	15'-0"	14'-7"	16	6.5	447
>6" TO 1'-0"	1'-4"	15'-6"	15'-1"	16	6.6	454
>1'-0" TO 1'-6"	1'-10"	16'-0"	15'-7"	17	6.8	469
>1'-6" TO 2'-0"	2'-4"	16'-6"	16'-1"	17	7.0	476



CONCRETE BASE TYPE 10 (EXTENDED)



CONCRETE BASE TYPE 13 (EXTENDED)

CONCRETE BASE
TYPE 10 & TYPE 13 EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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3-3-10 DATE — /S/ Joanna L. Rush STATE ELECTRICAL ENGI — HWYS

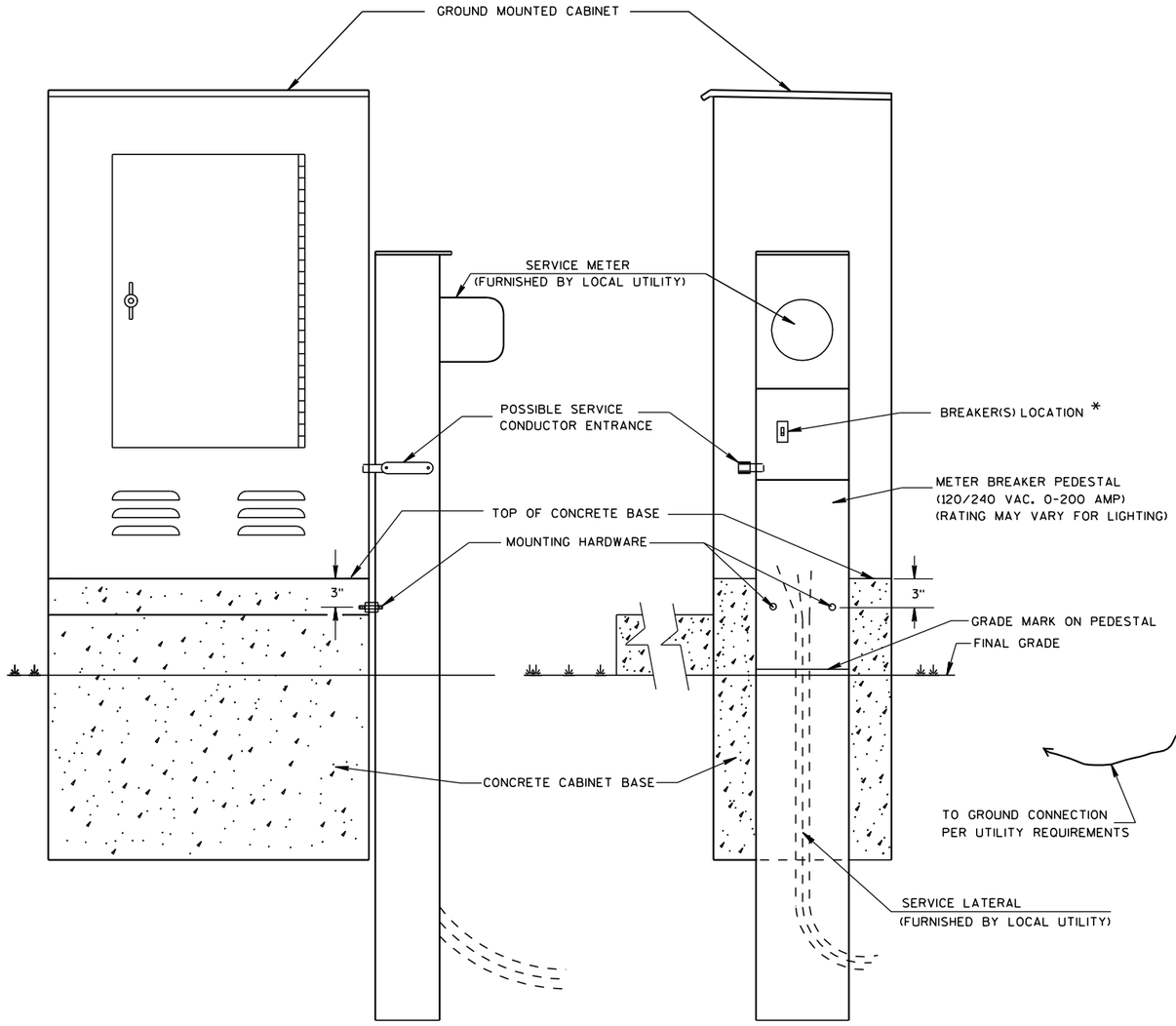
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S.D.D. 9 C 13-1



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.

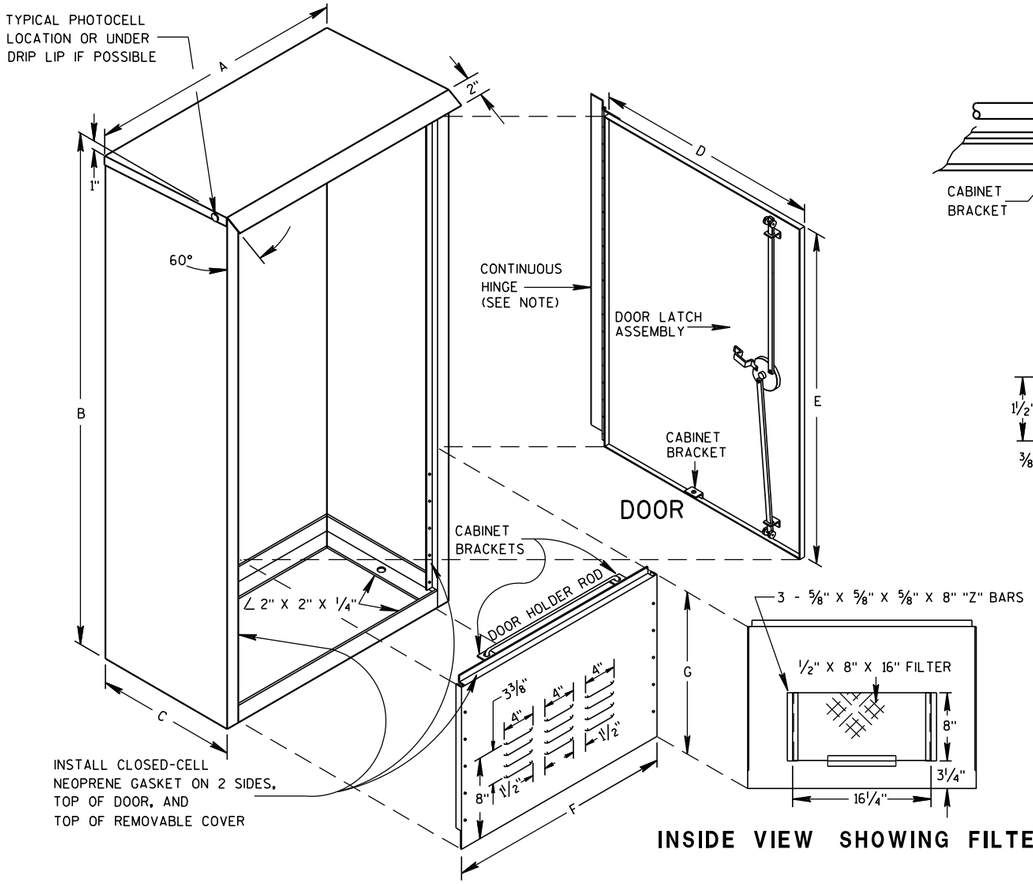
* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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10/27/09 DATE
/S/ Joanna L. Bush
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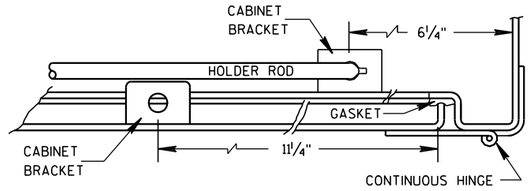
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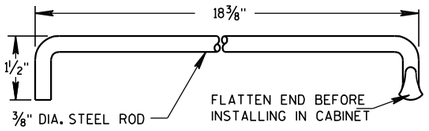
DOOR

REMOVABLE COVER

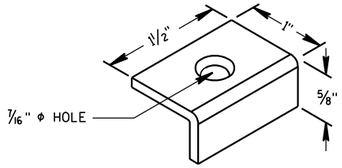
INSIDE VIEW SHOWING FILTER



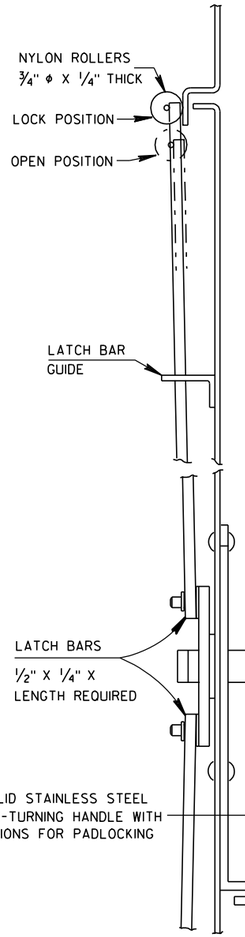
HINGE & DOOR HOLDER



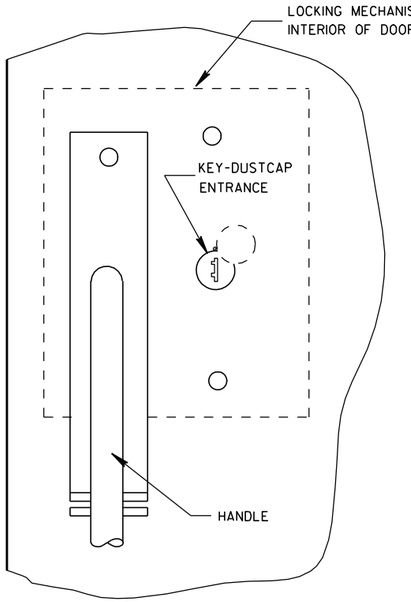
HOLDER ROD



CABINET BRACKET

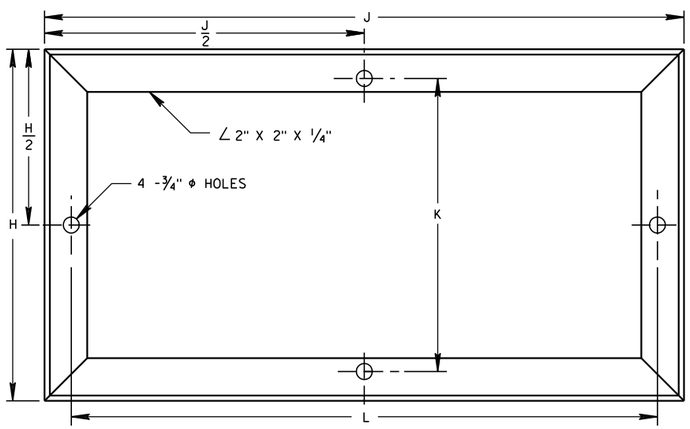


SIDE VIEW



FRONT VIEW

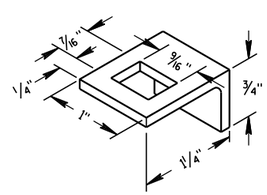
LATCH ASSEMBLY



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



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.

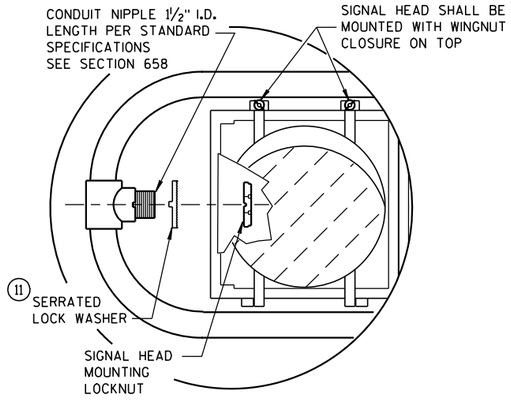
A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE AN APPROVED TYPE.

DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.

SIGNAL OR LIGHTING CONTROL CABINET

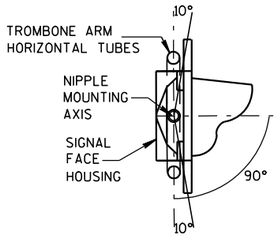
STATE OF WISCONSIN
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10/21/96 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI
419 — HWYS
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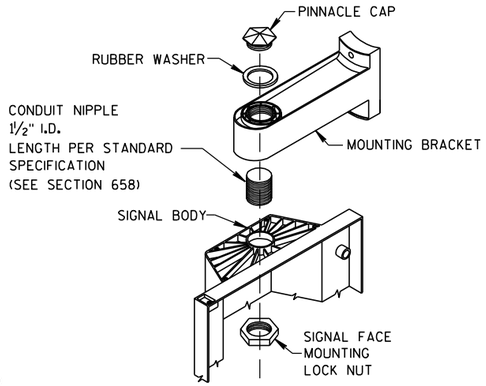
HORIZONTAL SIGNAL HEAD MOUNTING DETAIL *

* SIGNAL HEAD ATTACHMENT ALSO APPLYS TO MOUNTING AT CROSS BAR



SECTION A-A

(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

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

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE/ROPE IN ACCORDANCE WITH STANDARD SPECIFICATION 652 SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

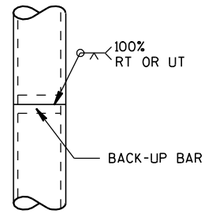
WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

1. 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.
2. SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658)
3. GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.
4. SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.
5. POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACES.
6. CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.
7. MOUNTING BRACKET NIPPLES FOR THE SIGNAL FACE(S) SHALL BE 2 INCHES IN LENGTH AND 1½ INCHES IN DIAMETER. (SEE STANDARD SPECIFICATION - SECTION 658).
8. VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" LONG- 20 TPI, STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.
9. FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.
10. SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.
11. USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

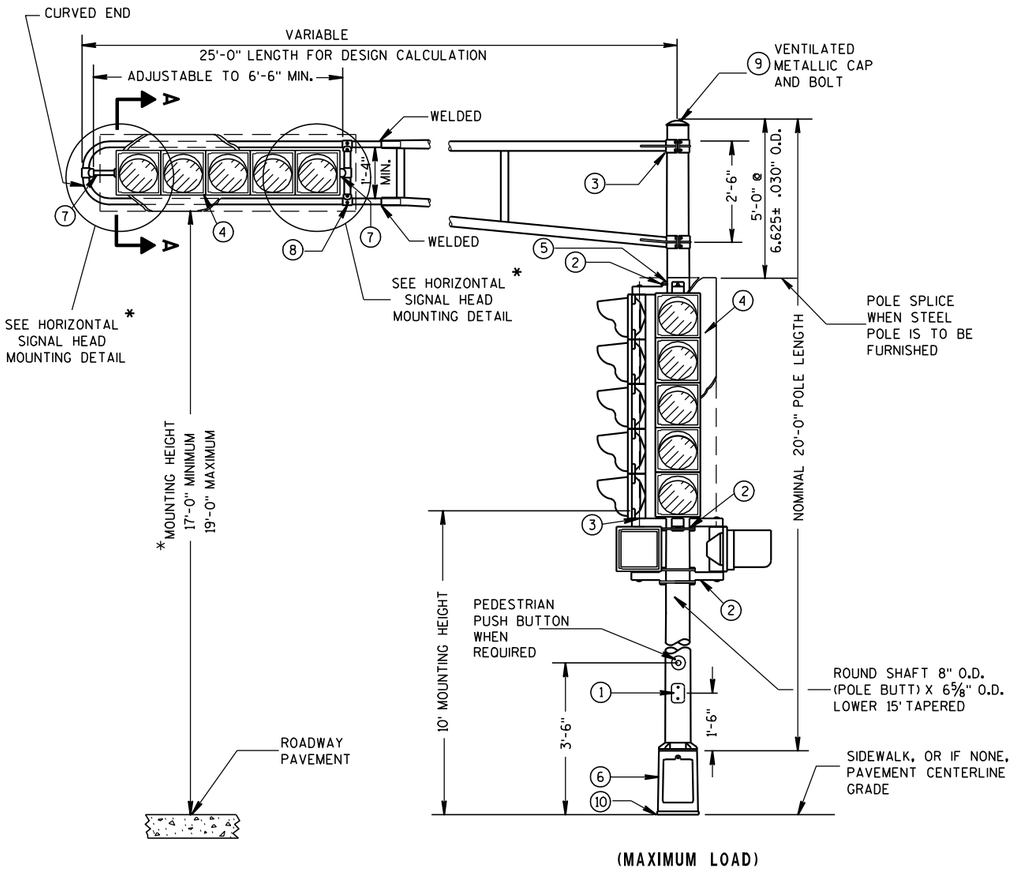
*MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE/NON-USE OF A TRANSFORMER BASE.

FOR MANUFACTURERS USE ONLY

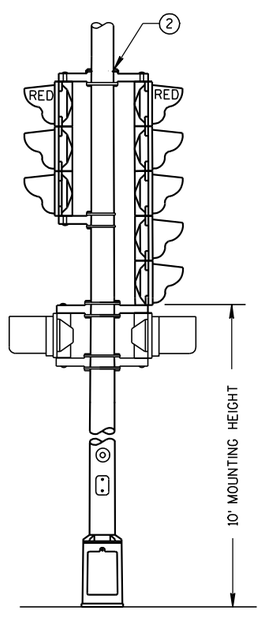
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN/BRIDGE FOR VERIFICATION AND APPROVAL.



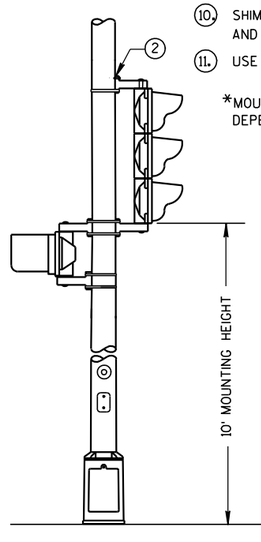
POLE SPLICE DETAIL



(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



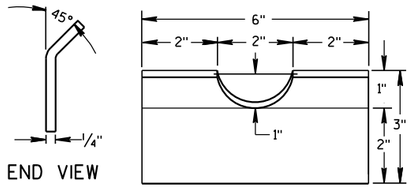
TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

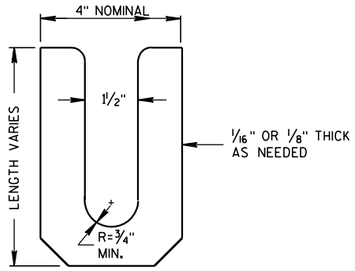
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 9 E 1-11a



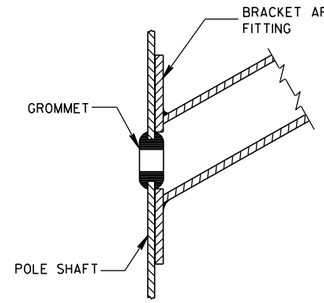
RECTANGULAR CLAMP SHIM

(4 TO A SET)

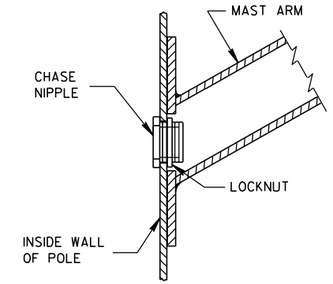


LEVELING SHIM (15)

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".

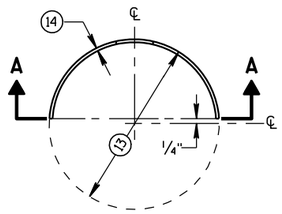
SHIM MATERIAL SHALL BE ALUMINUM ALLOY.

SHIM THICKNESS SHALL BE IMPRESSED INTO EACH SHIM. NUMERALS SHALL BE 1/4" HIGH AND LEGIBLE.

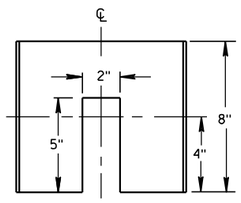
THE CONTRACTOR SHALL SUBMIT TWO COPIES OF ALL SHIM SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.

(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.



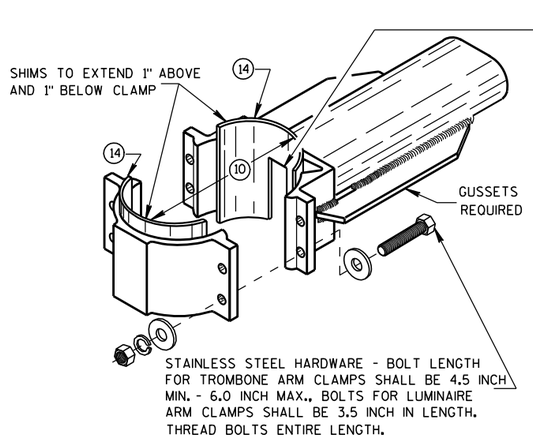
PLAN VIEW



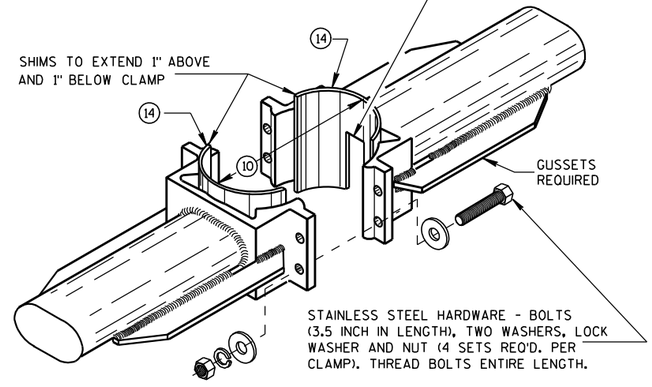
SECTION A-A

CIRCULAR CLAMP SHIM

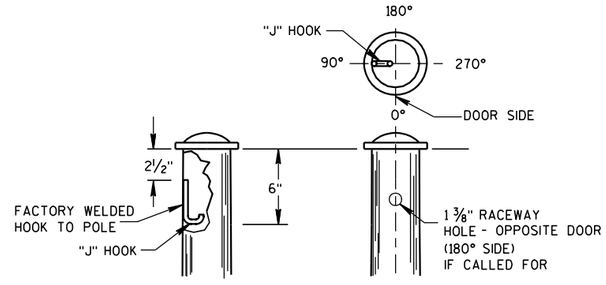
(2 TO A SET)



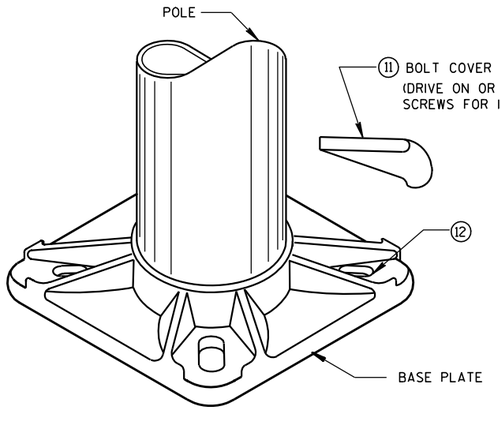
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



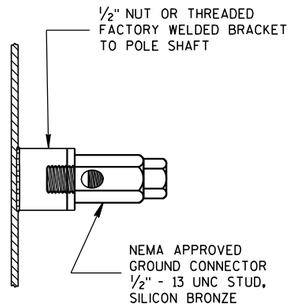
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

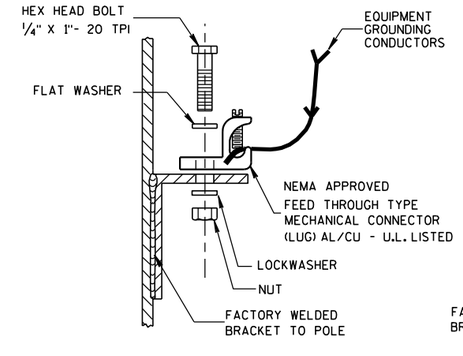


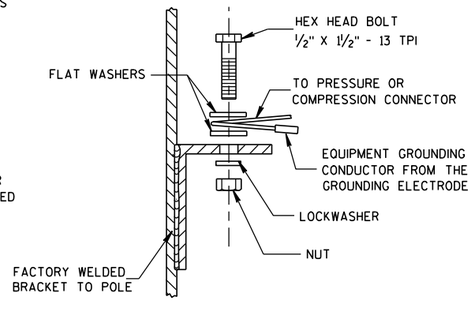
TYPICAL "J" HOOK LOCATION



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

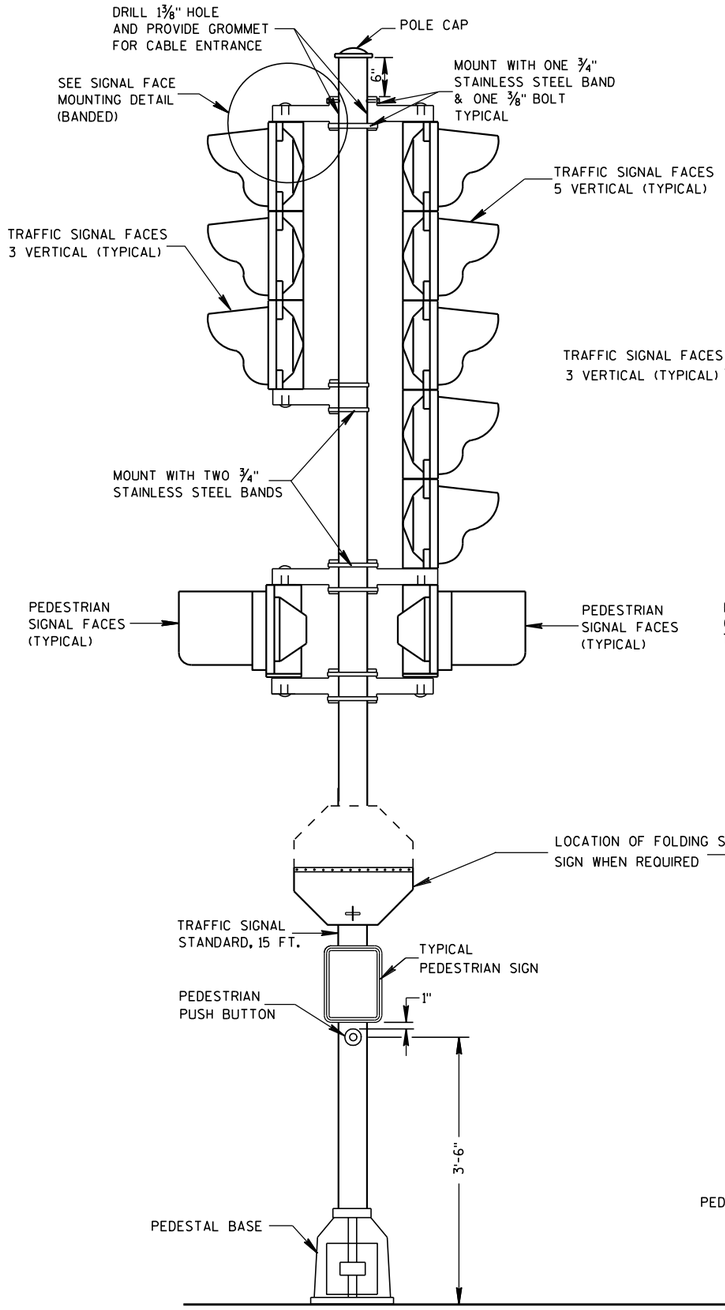
421

HWYS

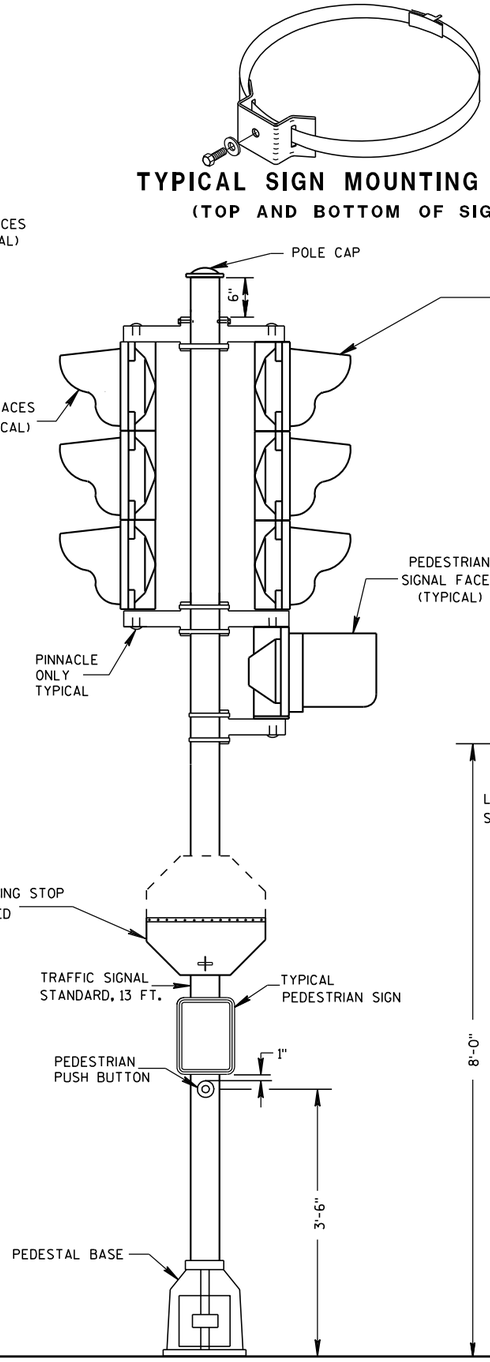
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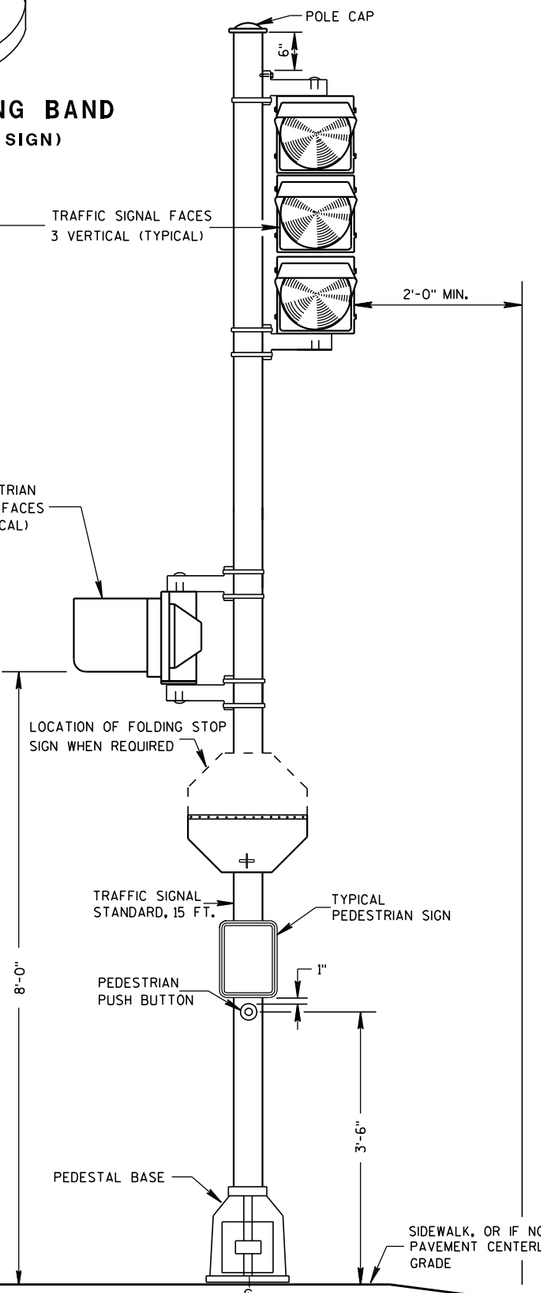
S.D.D. 9 E 1-11g



TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

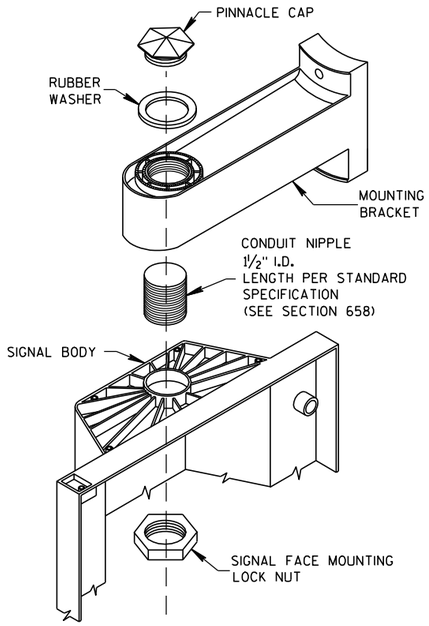
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE DISTRICT TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/11/10 DATE

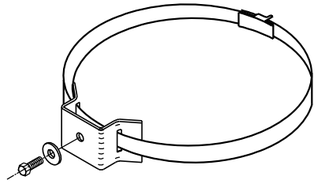
/S/ John Corbin
STATE ELECTRICAL ENGI

HWYS

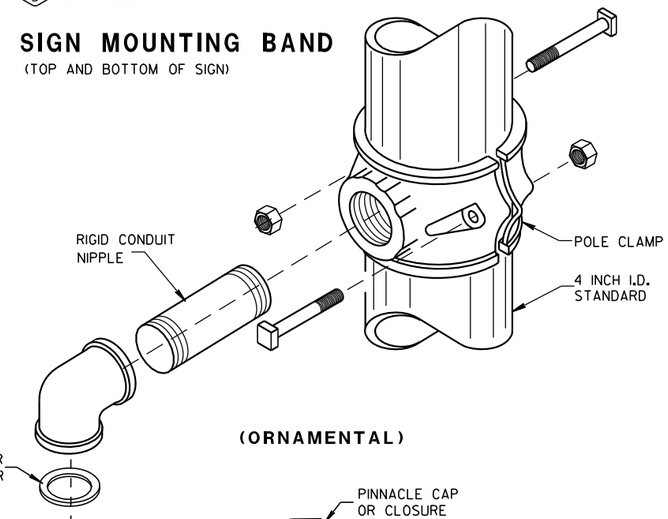
FHWA

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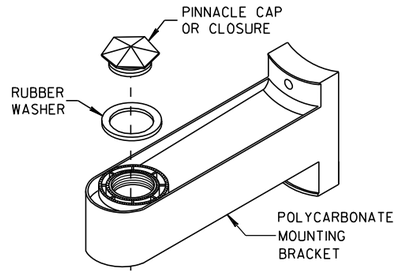
S.D.D. 9 E 6-4



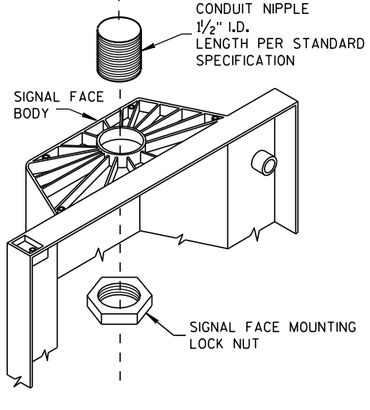
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



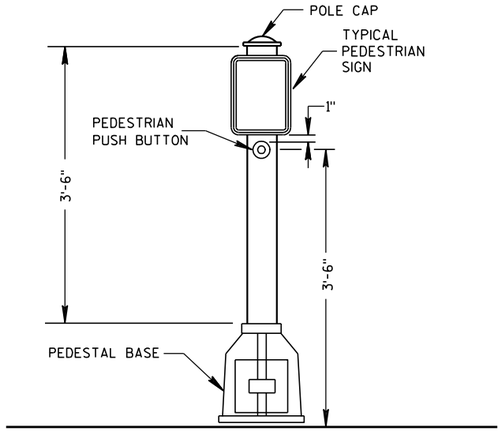
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

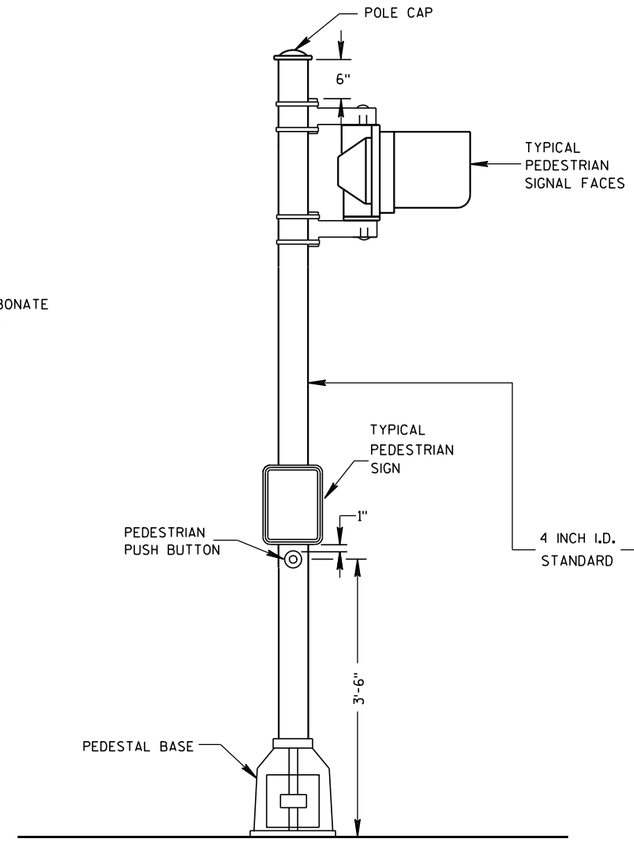
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

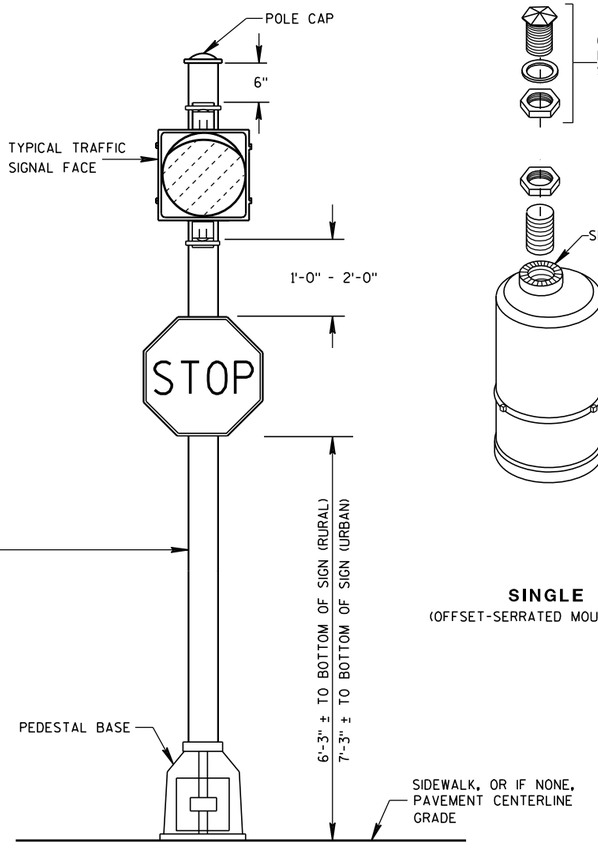
MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

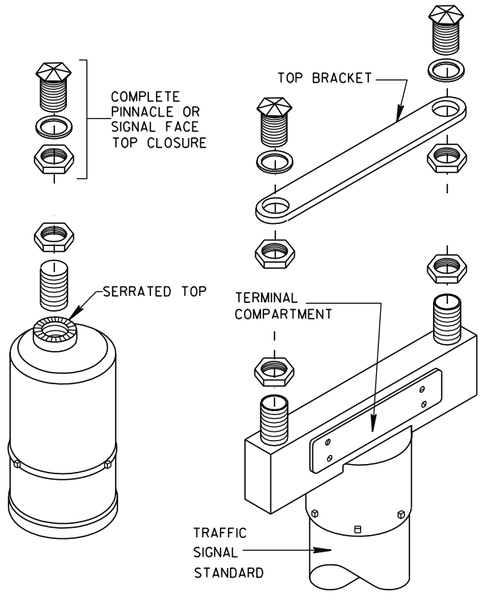
FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



PEDESTRIAN FACE STANDARD-10 FT.
(WALK-DON'T WALK)



STANDARD FLASHER.
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET-SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/11/10 DATE
/S/ John Corbin STATE ELECTRICAL ENGI
FHWA

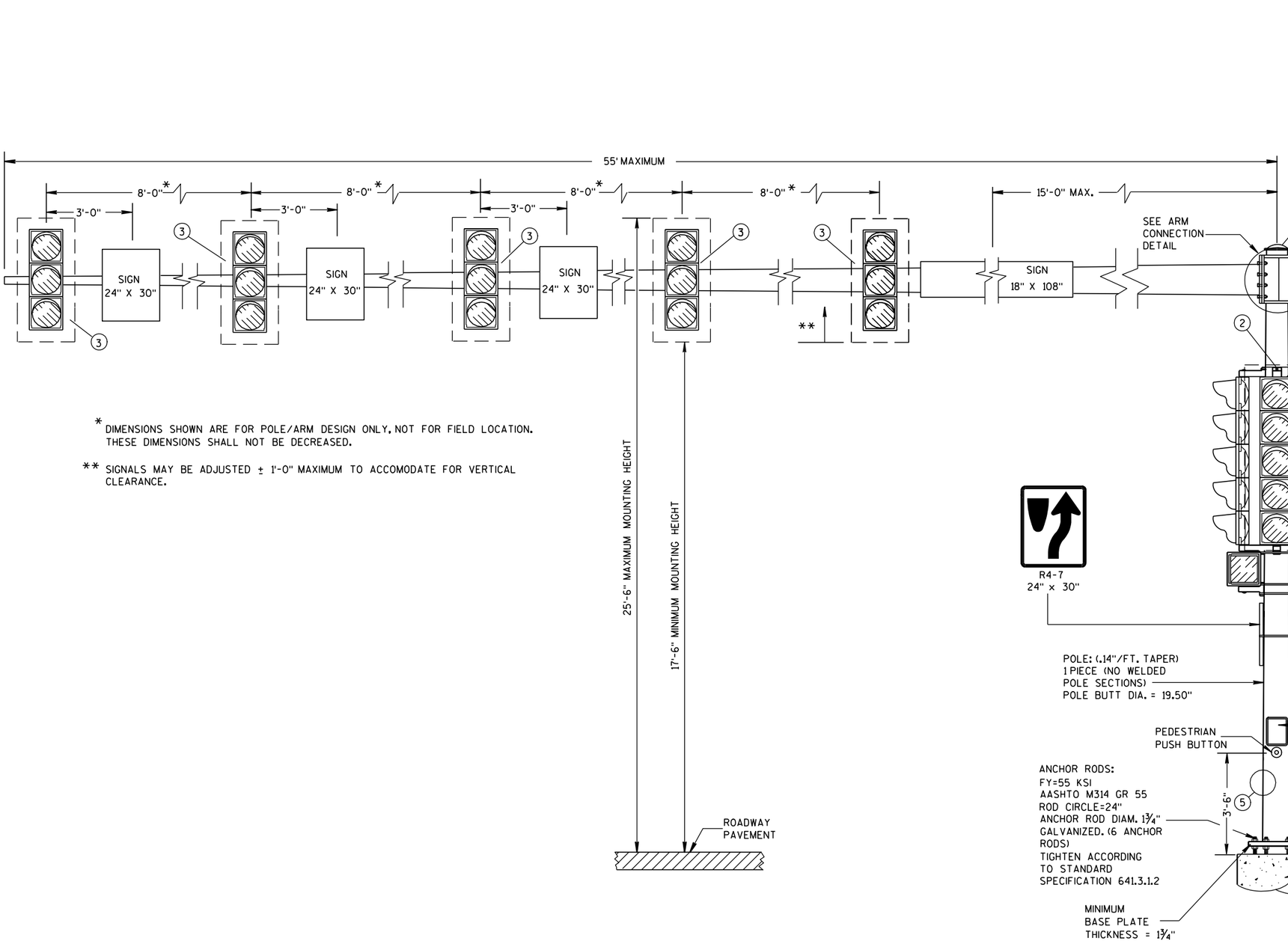
HWYS

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S.D.D. 9 E 7-5

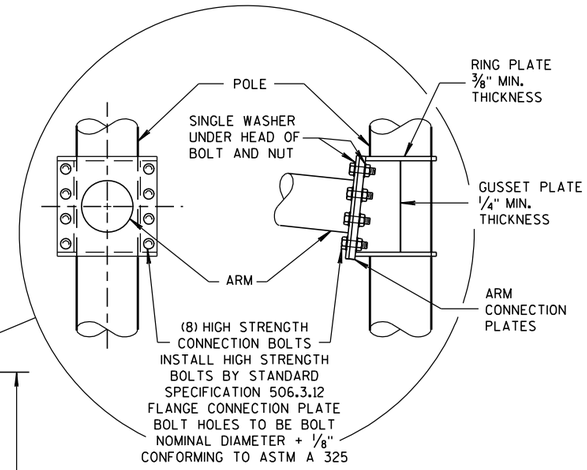
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S.D.D. 9 E 7-5

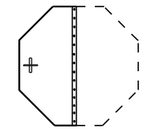


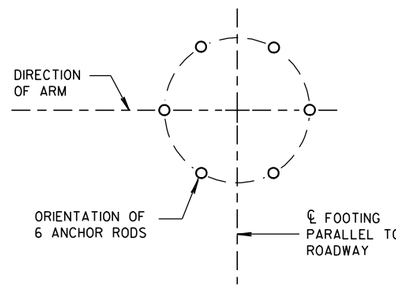
* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



8 BOLT ARM CONNECTION DETAIL





ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 12 POLE 35'- 55' MONOTUBE ARM

TYPE 12 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/2/2011 — DATE
/S/ Thomas J. Gorring — STATE ELECTRICAL ENGI
424 — HWYS
FHWA

6

S.D.D. 9 E 8-4c

6

S.D.D. 9 E 8-4c

GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE LATEST AASHTO AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

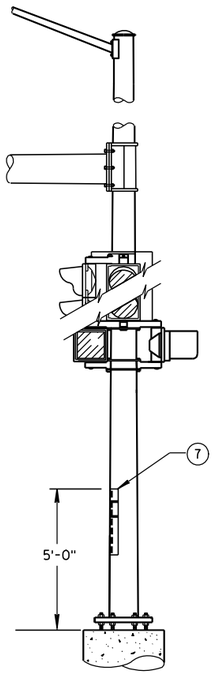
(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

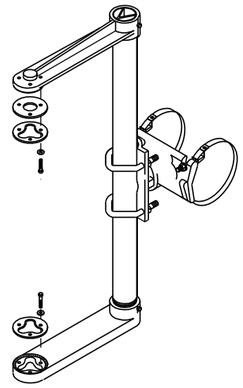
(7) INSTALL DEPARTMENT PROVIDED STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 5'-0" ABOVE THE CURB OR SHOULDER . ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

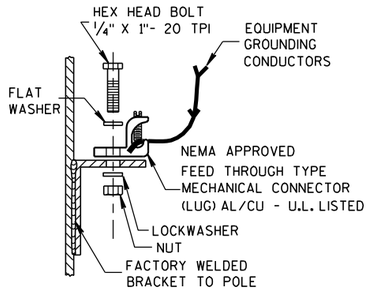


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



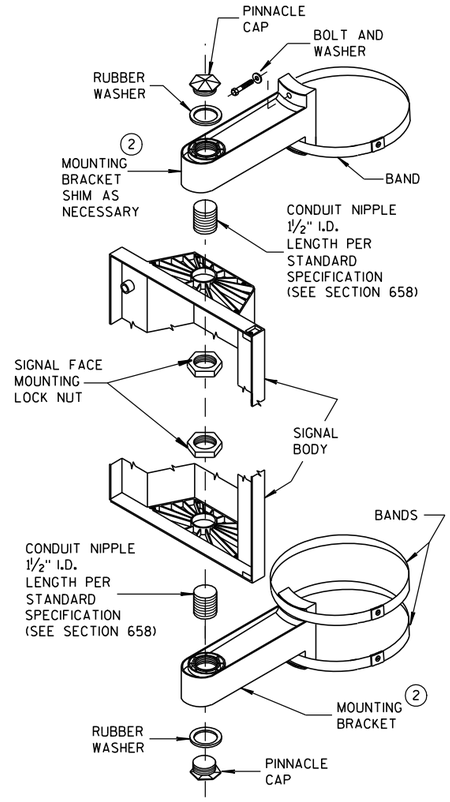
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANUFACTURER'S RECOMMENDATION)

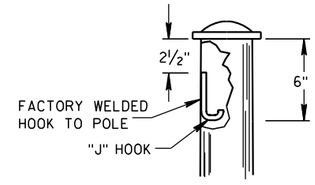


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/2/2011 DATE

/S/ Thomas J. Corrigan
STATE ELECTRICAL ENGI 425 HWYS

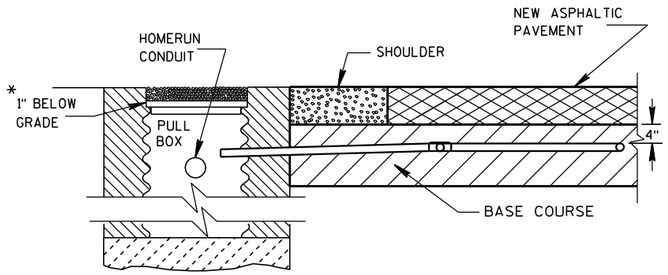
FHWA

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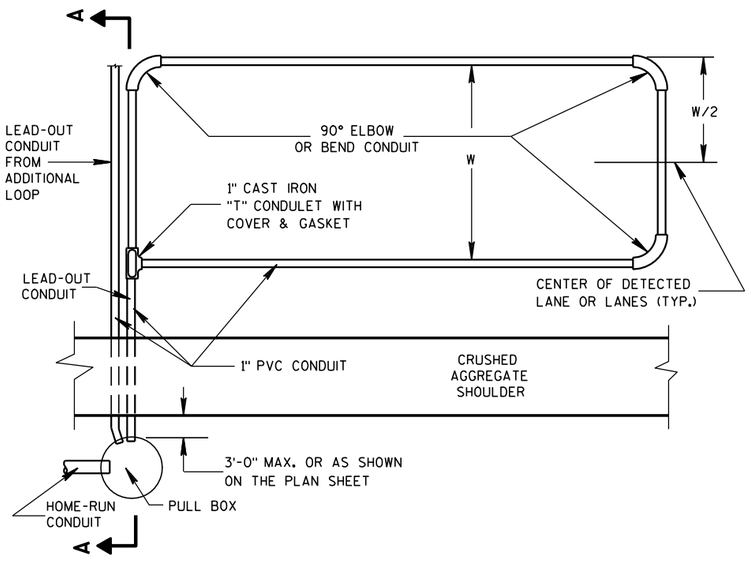
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SECTION A-A
NO CURB & GUTTER

DETECTOR LOOP INSTALLATION DETAIL

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR

GENERAL NOTES

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

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

PITCH LEAD-OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

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

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

ANTI-SIEZE LUBRICATING MATERIAL SHALL BE USED ON ALL THREADS OF THREADED ASSEMBLIES BEFORE INSTALLATION.

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

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

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

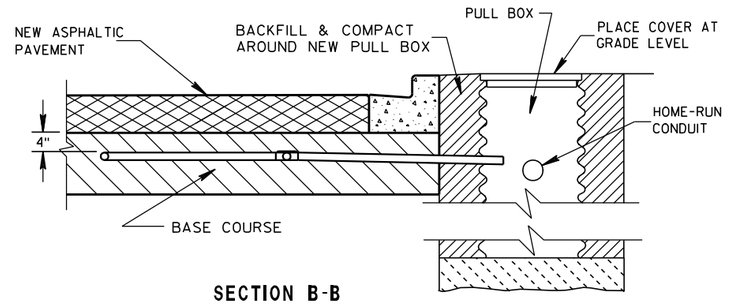
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT AND CONDULET SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE ASPHALTIC PAVEMENT IS PLACED.

WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE. PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

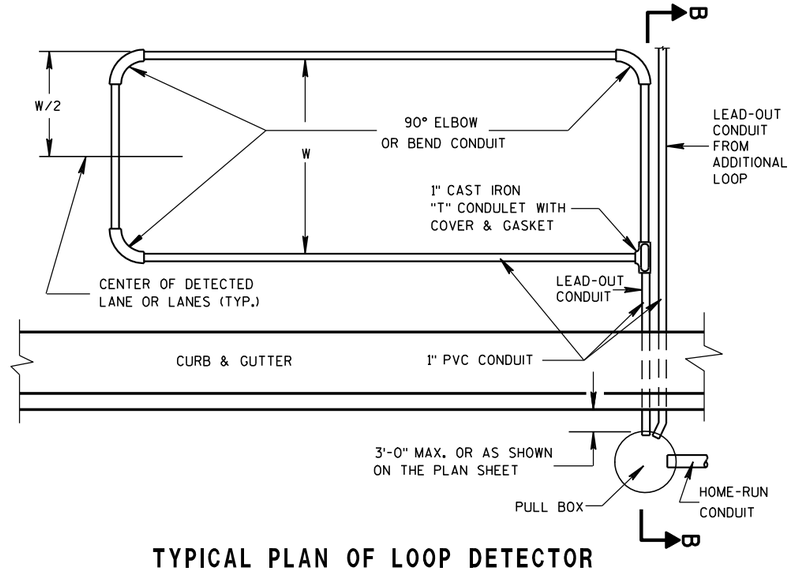
SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".

DRIVE A 1½" MAX. PK NAIL INTO THE NEW ASPHALTIC PAVEMENT AND DIRECTLY ABOVE THE CONDULET AFTER THE FINAL LAYER OF NEW ASPHALTIC PAVEMENT IS COMPLETELY INSTALLED, IF REQUIRED BY THE DISTRICT TRAFFIC SECTION.



SECTION B-B
CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/7/06 — DATE

/S/ Balu Ananthar[illegible]an — STATE ELECTRICAL ENGI

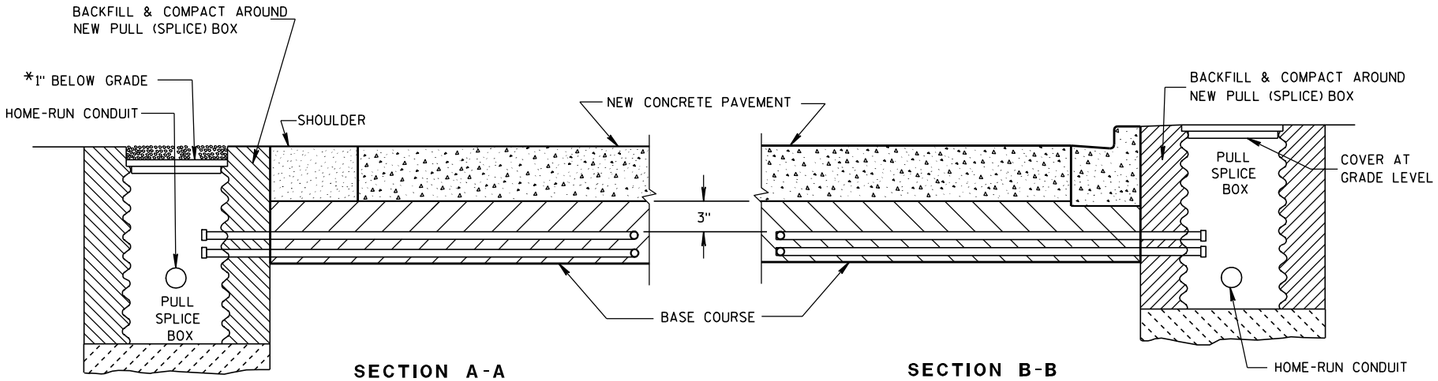
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SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

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

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

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS SUCH AS 3M TYPE 82A1 OR APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

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

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

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

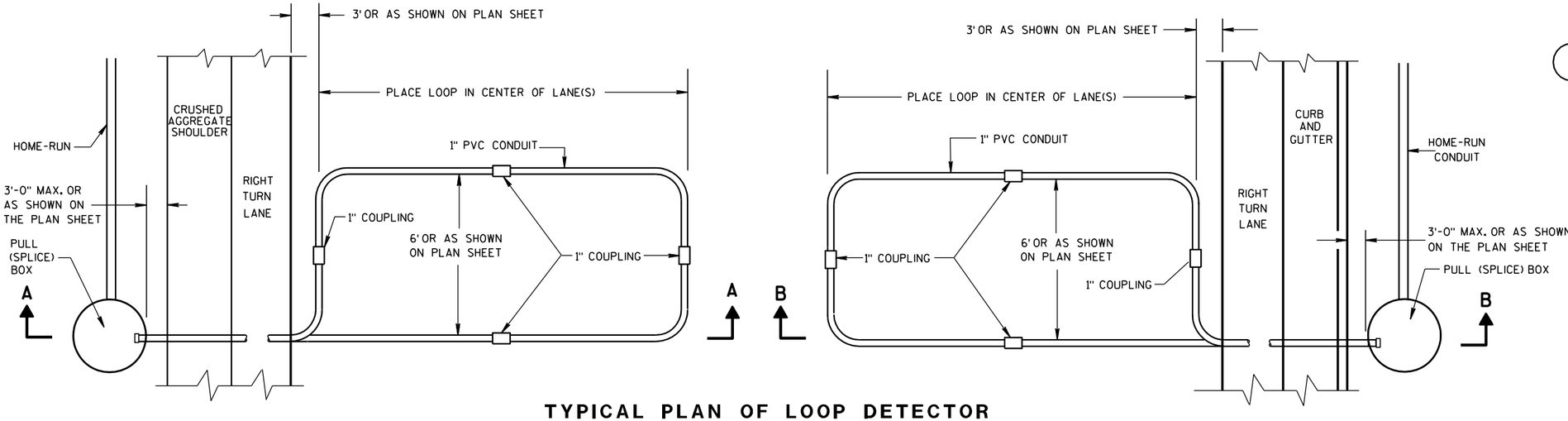
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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

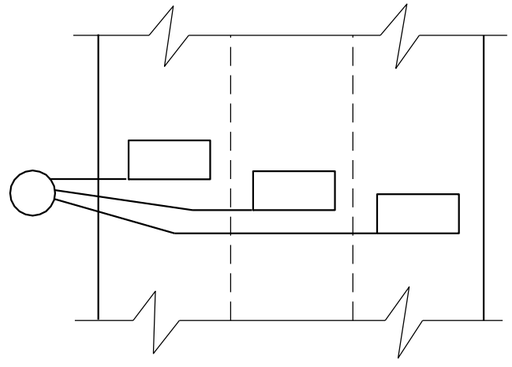
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

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

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



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/7/06 DATE
/S/ Balu Anantharaman
STATE ELECTRICAL ENGI 427 HWYS
FHWA

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S.D.D. 9 F 15-3b

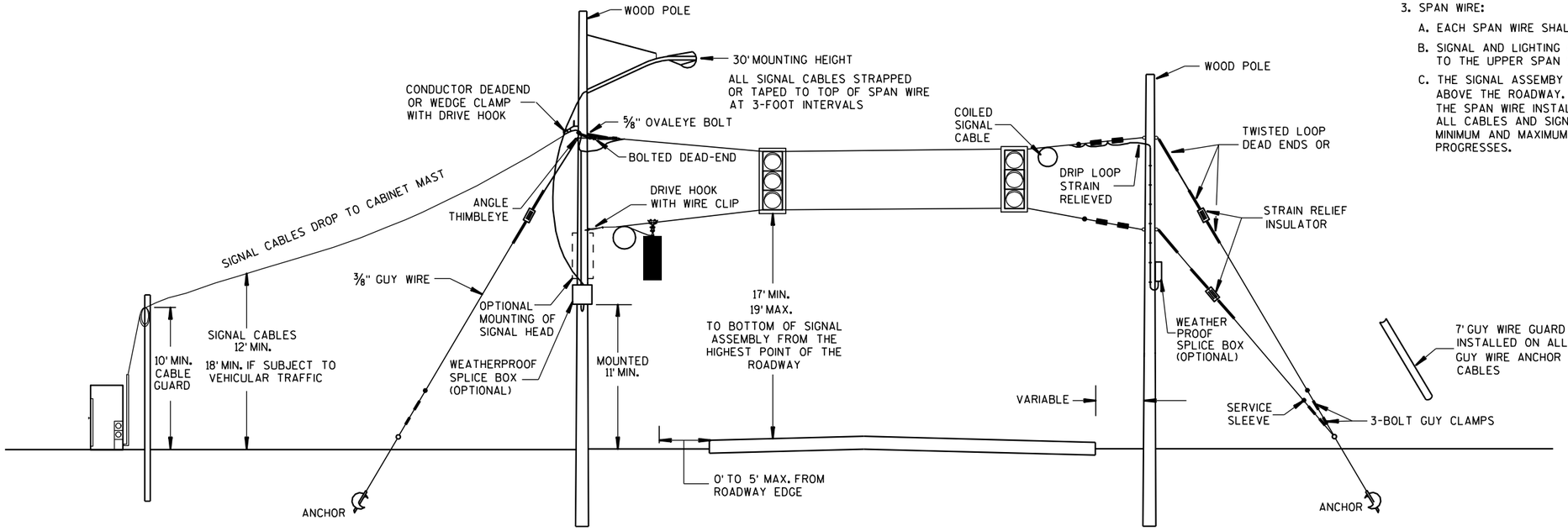
GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

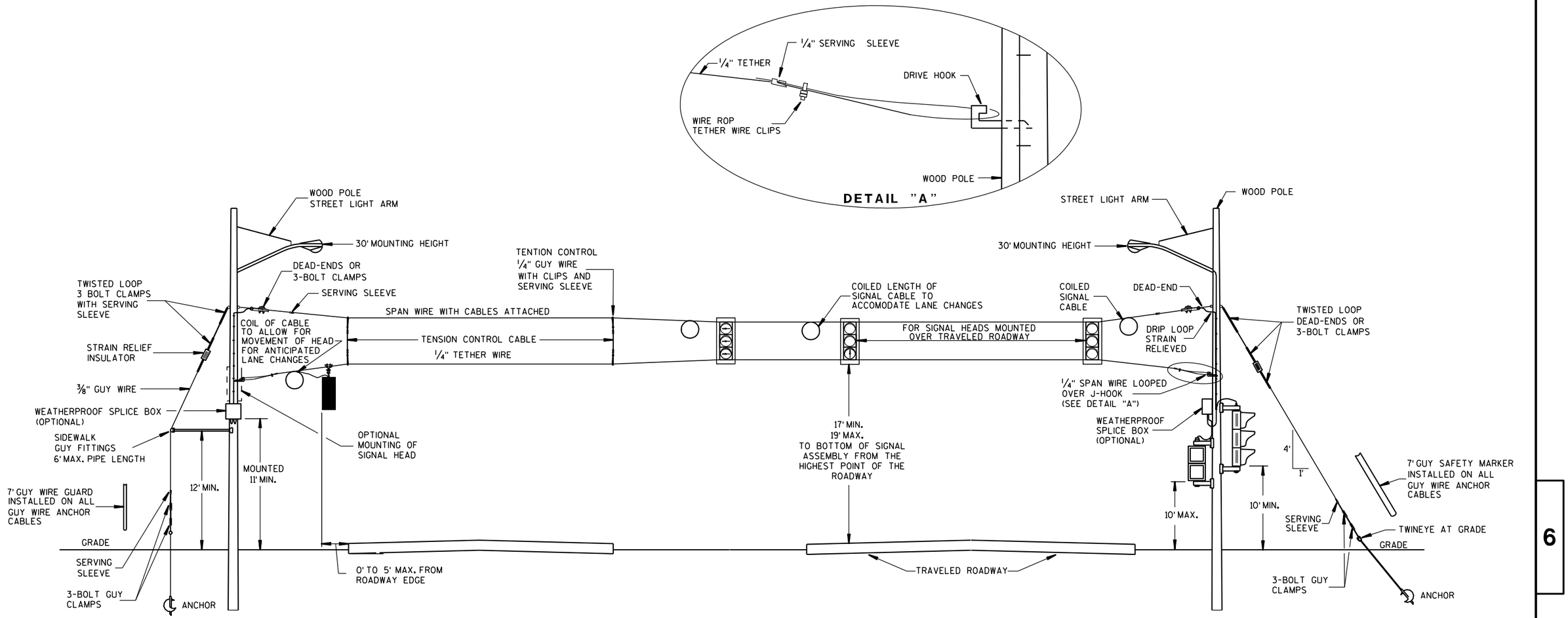
MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 DATE
/S/ Balu Ananthar [illegible] n
STATE ELECTRICAL ENGI 428 HWYS
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GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
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   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

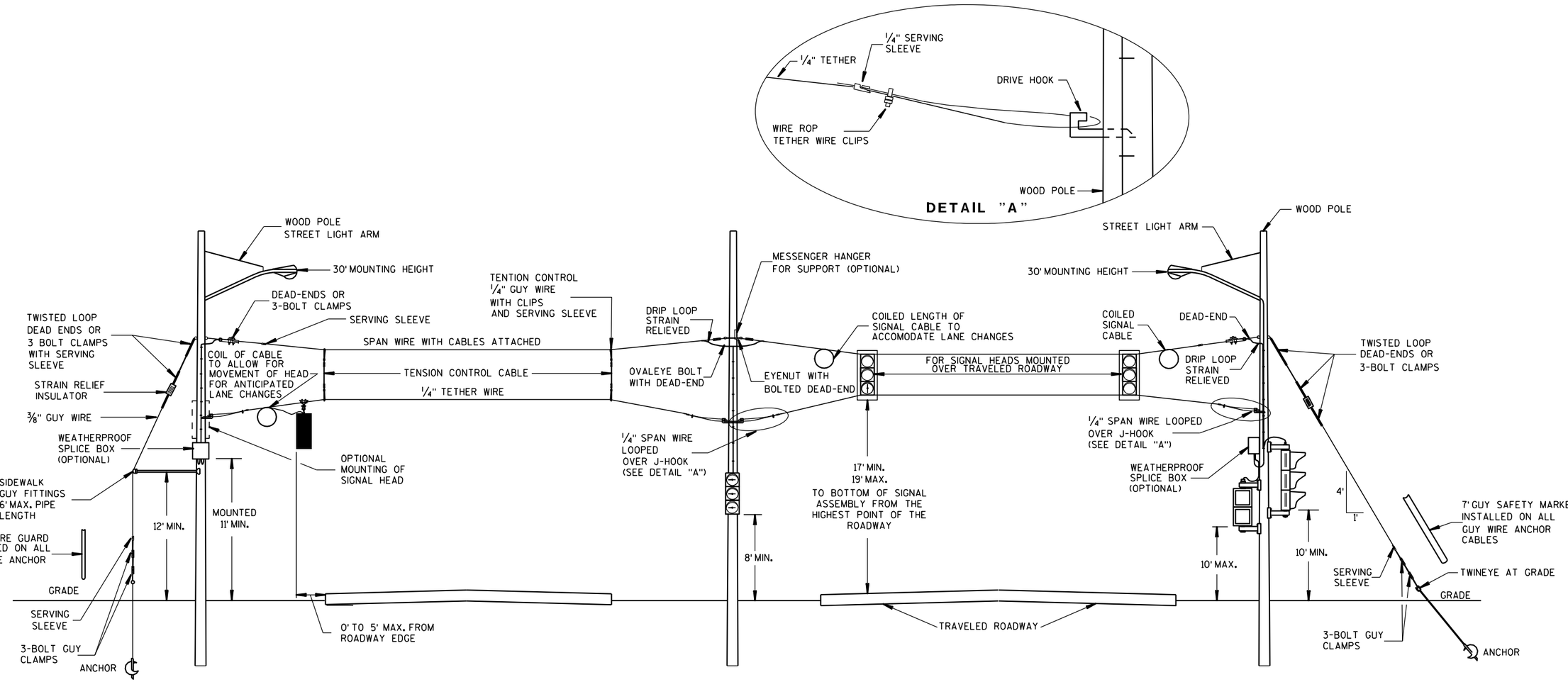
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 429 HWYS

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

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

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   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
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   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Aganthapanayanan
STATE ELECTRICAL ENGI

430 HWYS

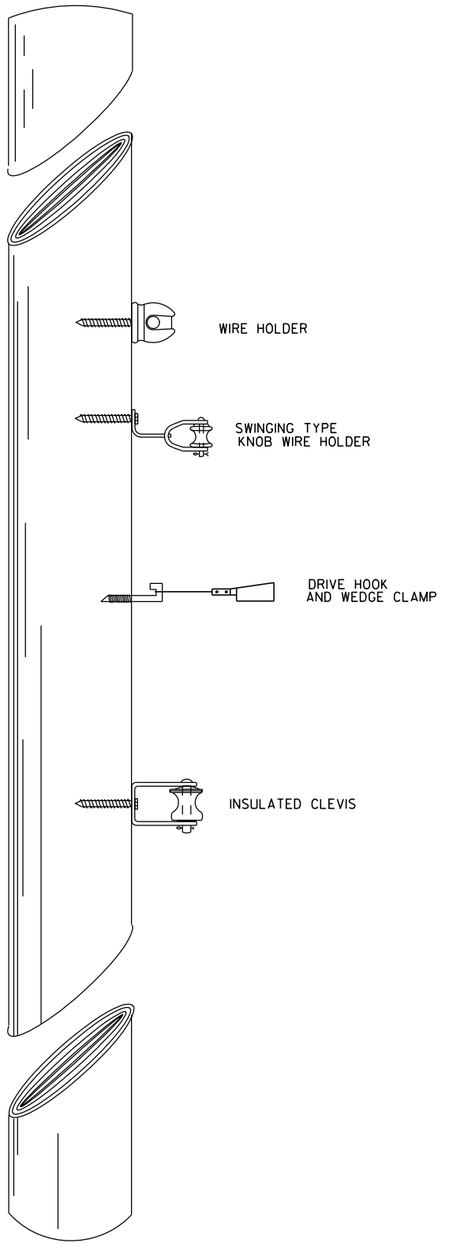
FHWA

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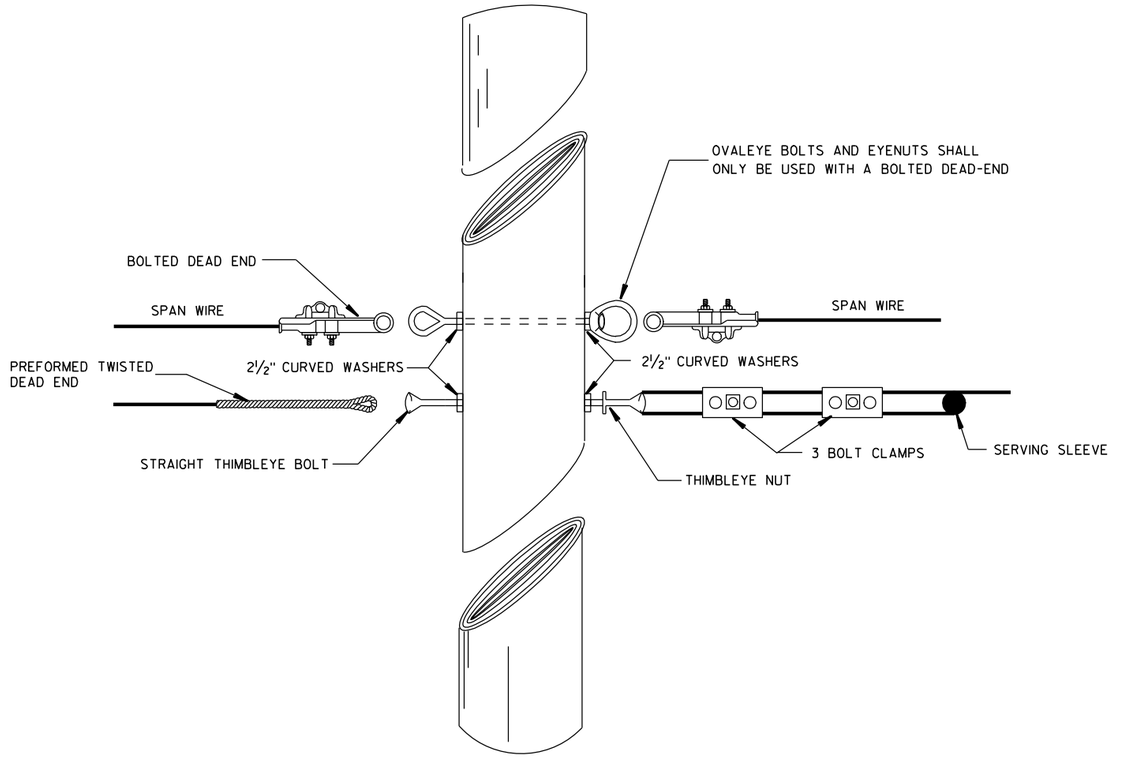
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S.D.D. 9 G 1-3c



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

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SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

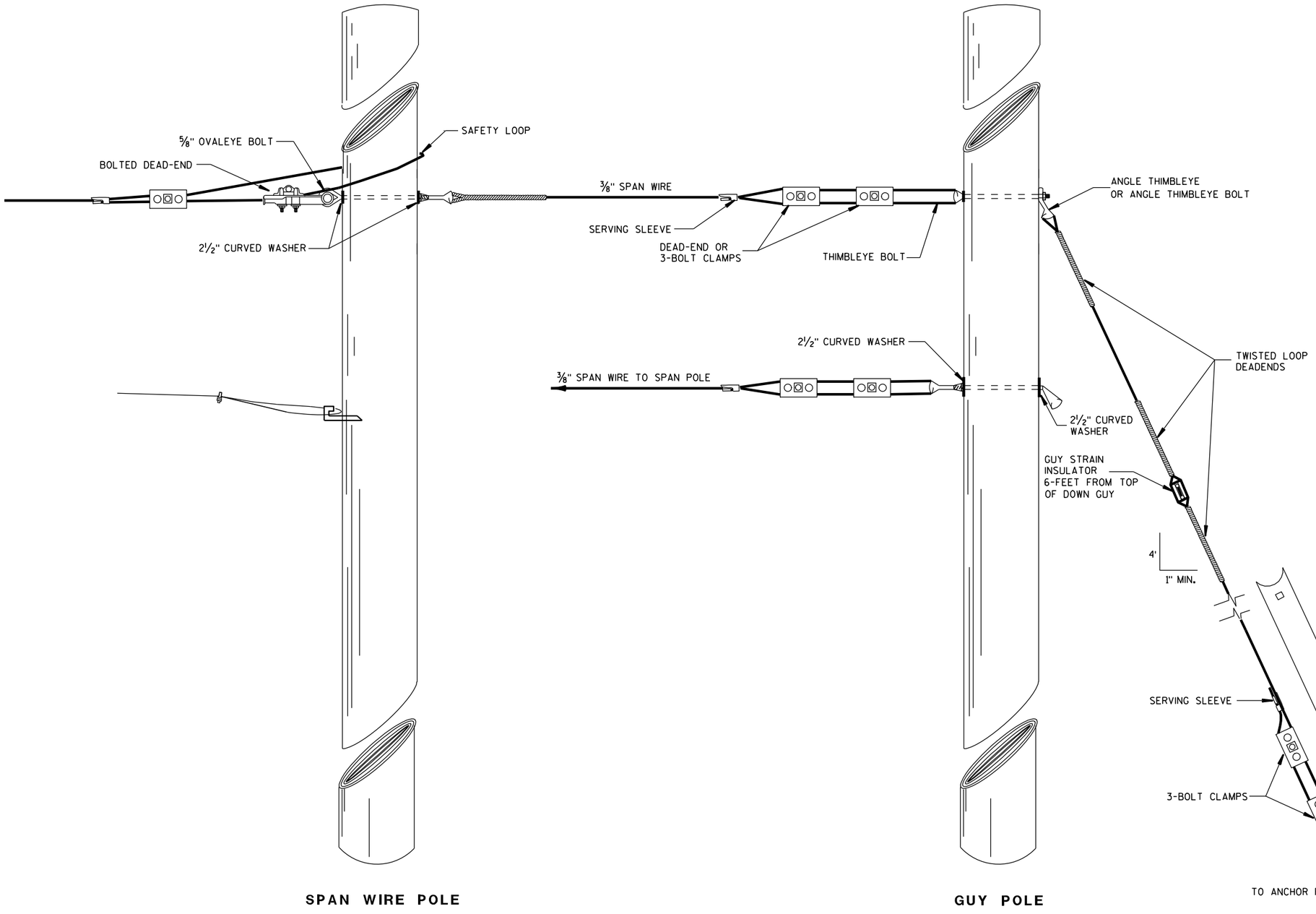
7-14-08
DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 431 HWYS

FHWA

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE

GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

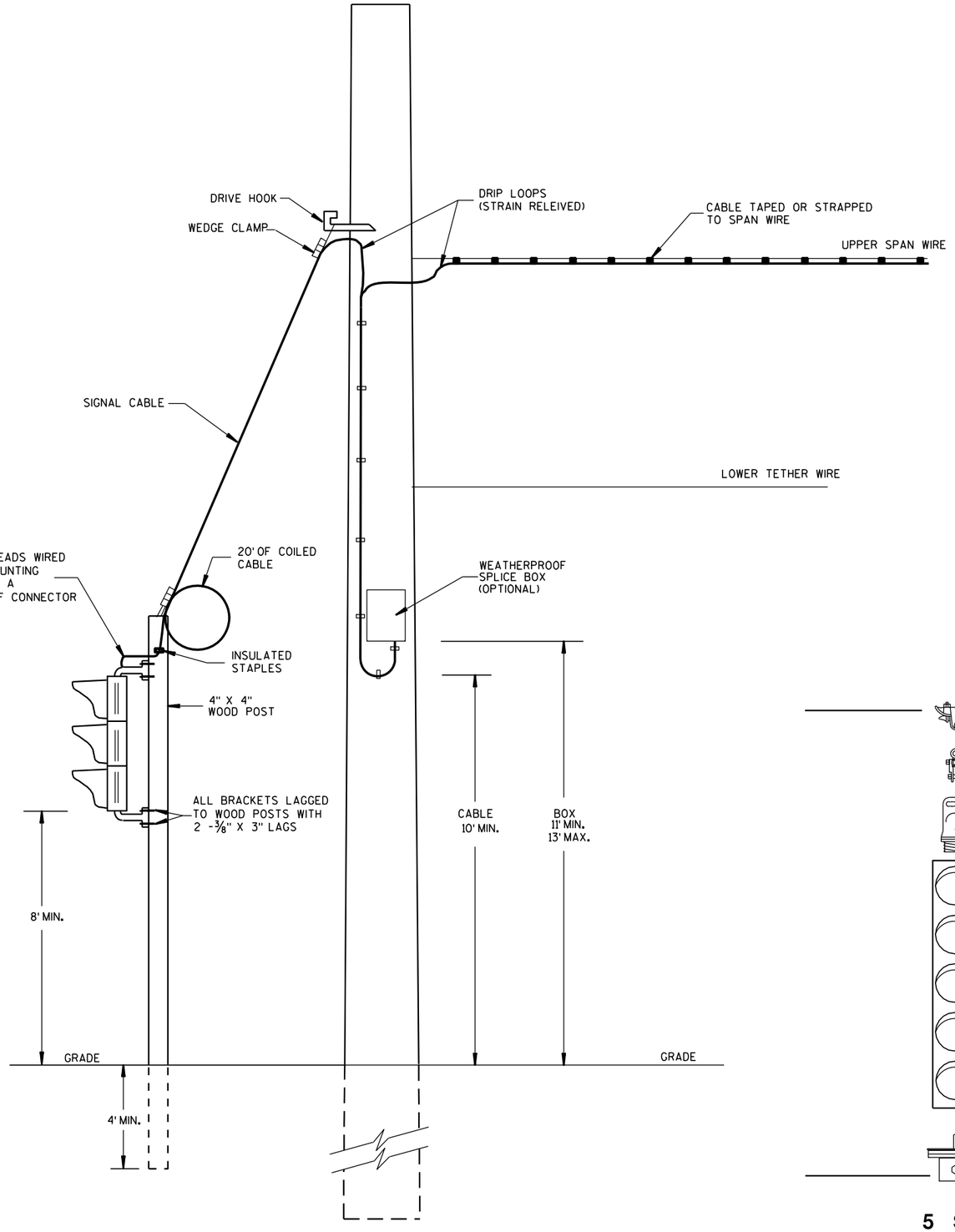
SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

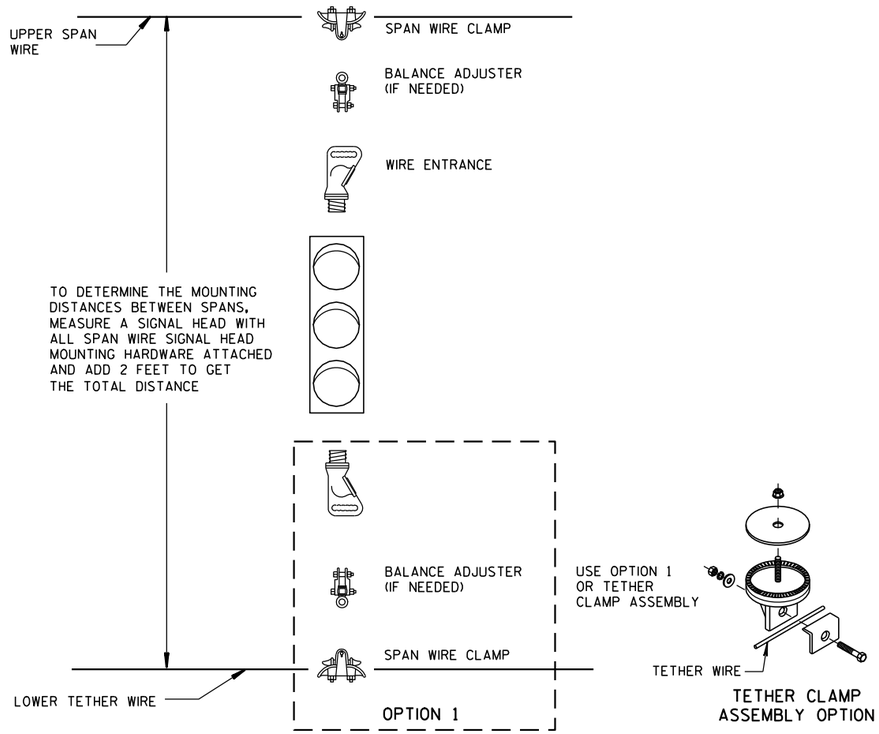
APPROVED
7-14-08 DATE
/S/ Balu Aganthanarayanan STATE ELECTRICAL ENGI
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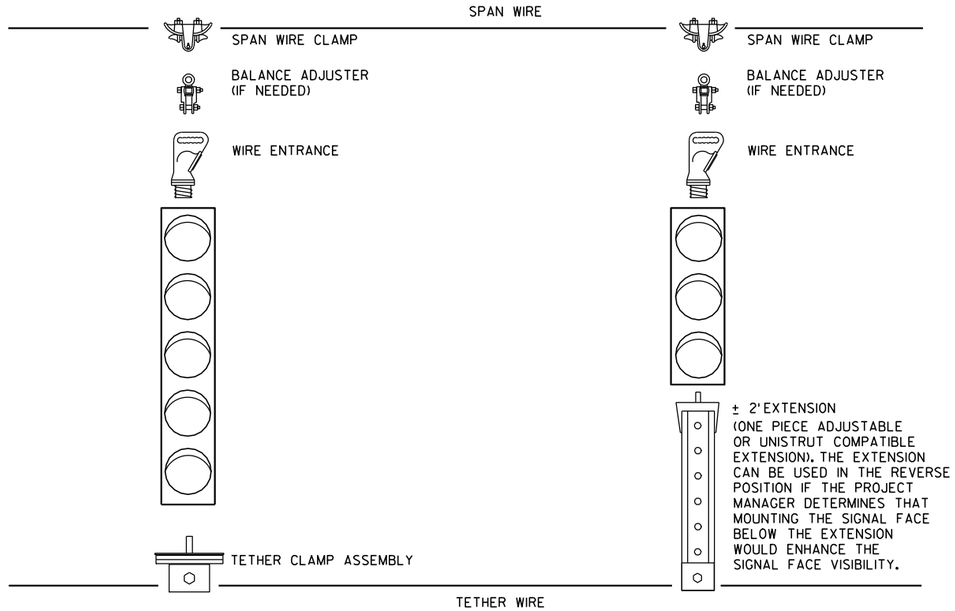
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S.D.D. 9 G 1-3e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

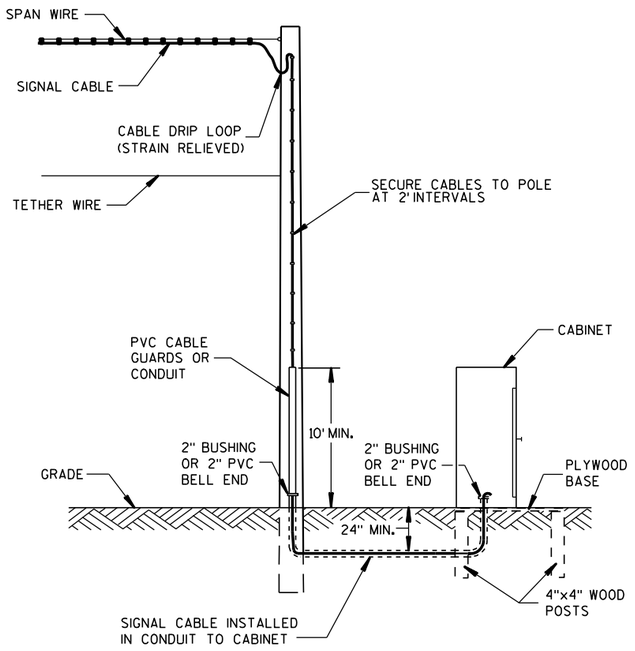
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

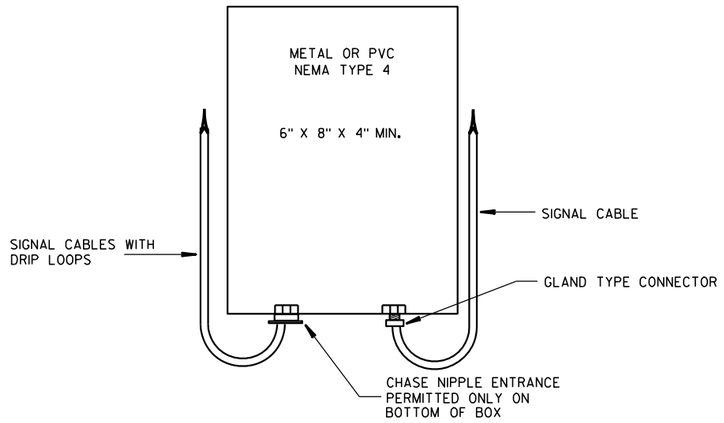
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7-14-08	/S/ Balu Aganthangarayanan
DATE	STATE ELECTRICAL ENGI 433 HWYS

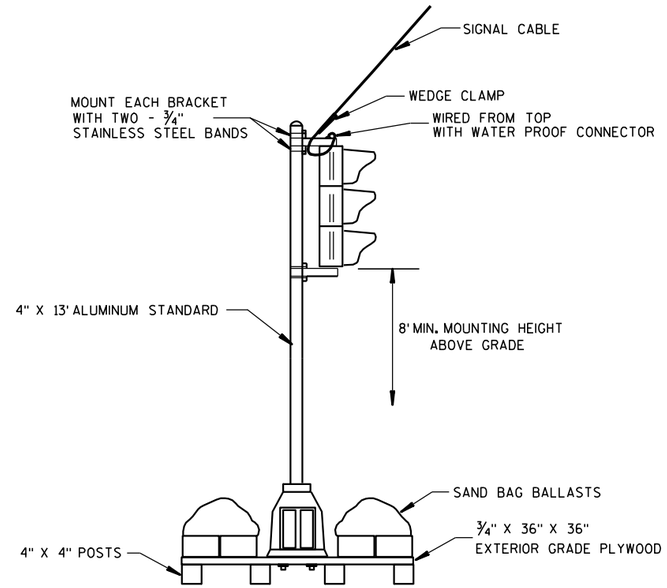
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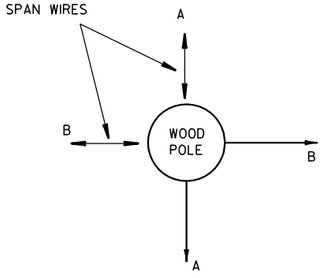




SPLICE BOX

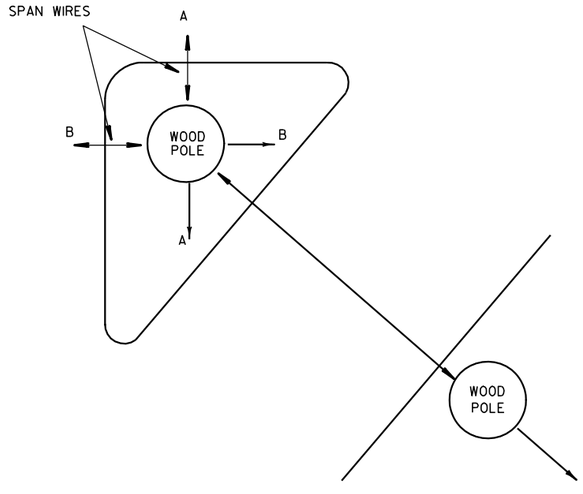


TYPICAL SKID TYPE TEMPORARY

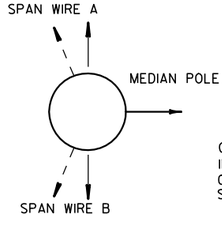


ALL DOWN OR SIDEWALK GUYS SHALL BE INSTALLED IN THE OPPOSITE DIRECTION OF THE STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM INTERSECTION OR IN OPPOSITE DIRECTION OF THE SPAN LOADING

MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Aganthangayagan
STATE ELECTRICAL ENGI

434

HWYS

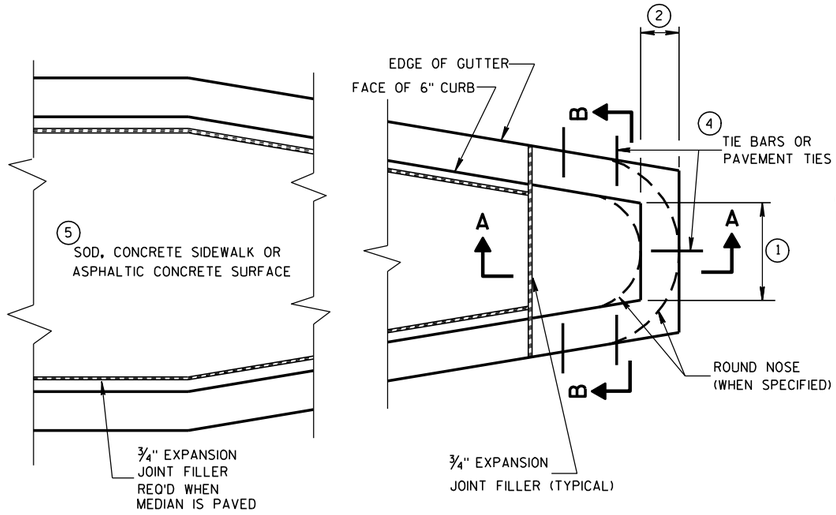
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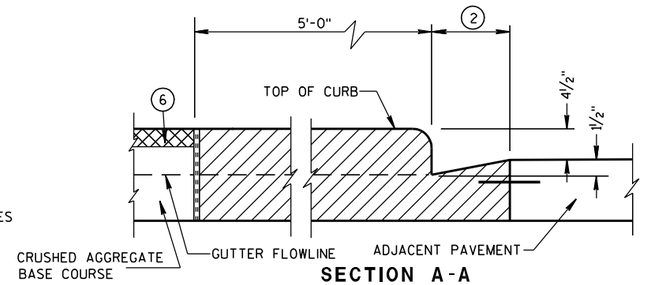
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S.D.D. 9 G 1-3g

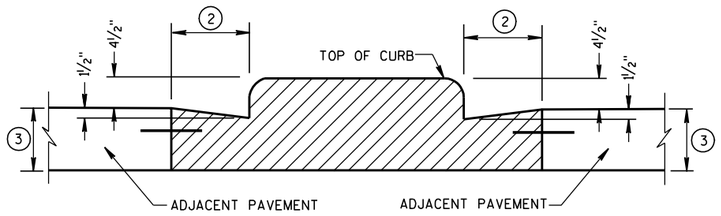
6

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.

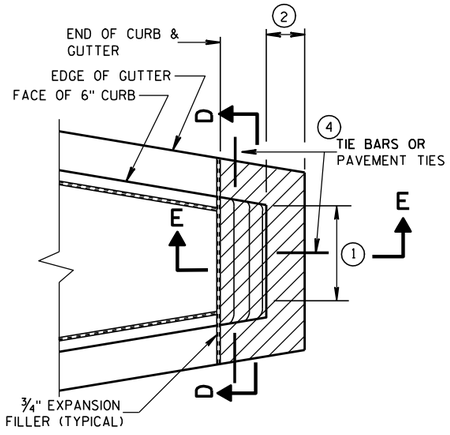
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

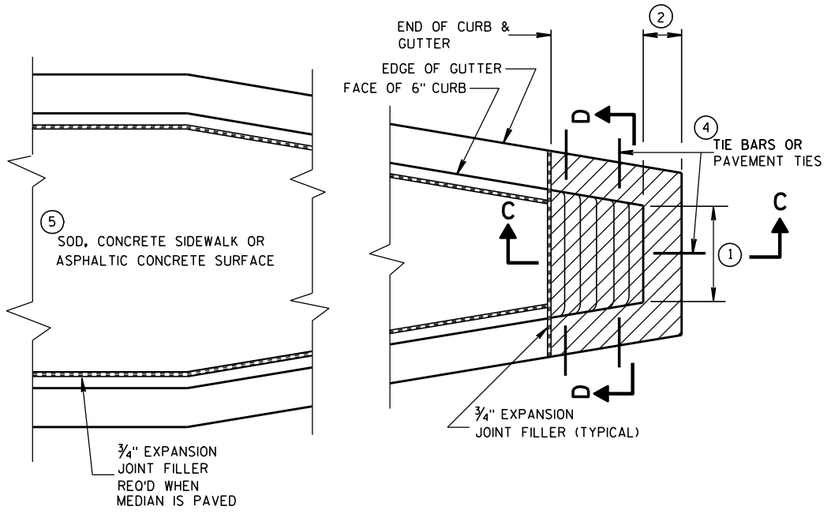
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

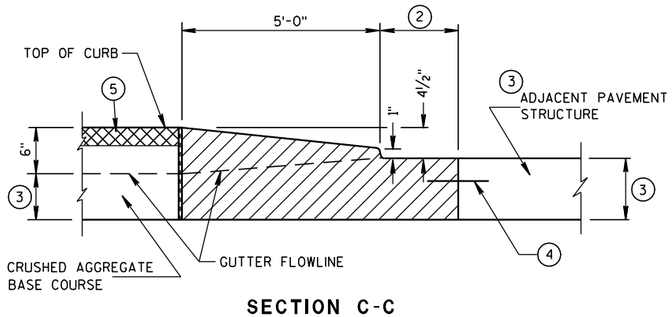
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

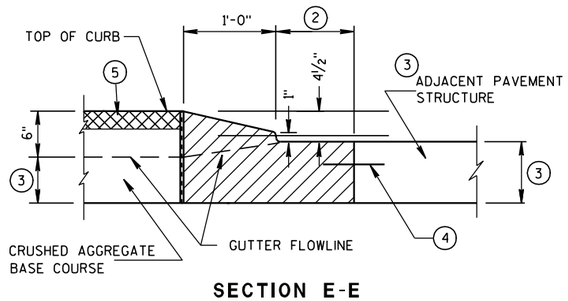
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.







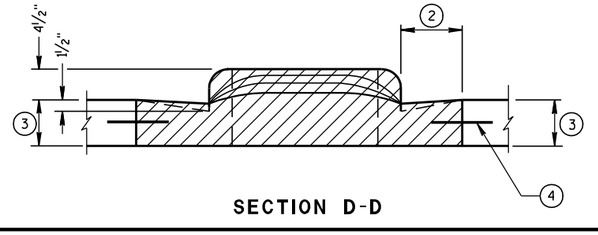
SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

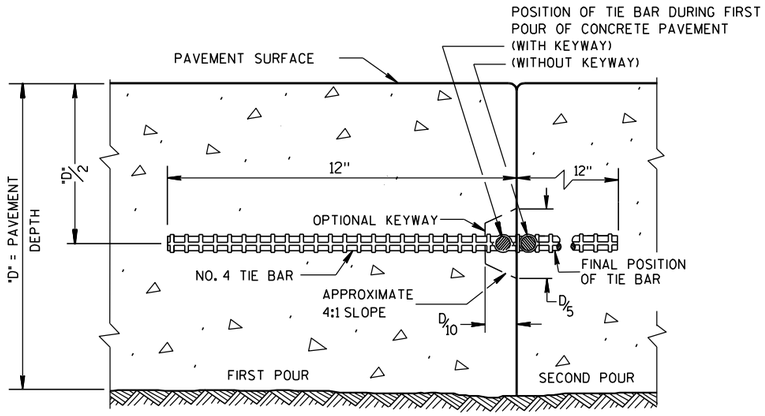
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER 1435 NT

6

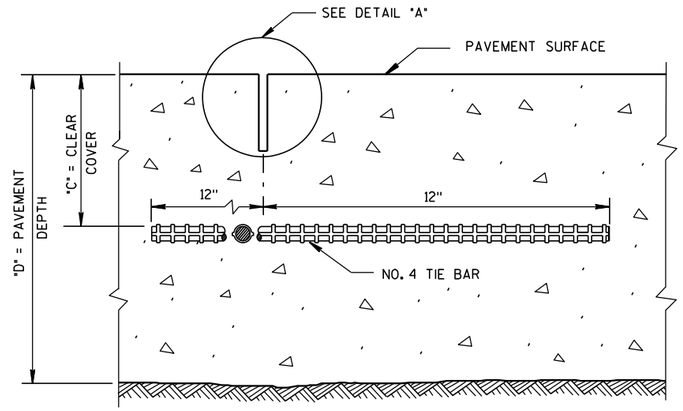
S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

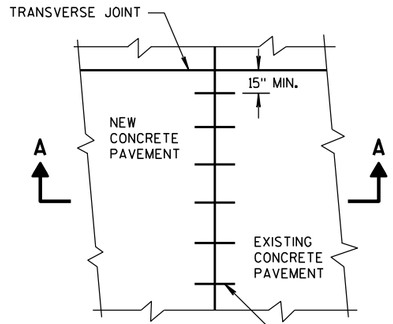
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

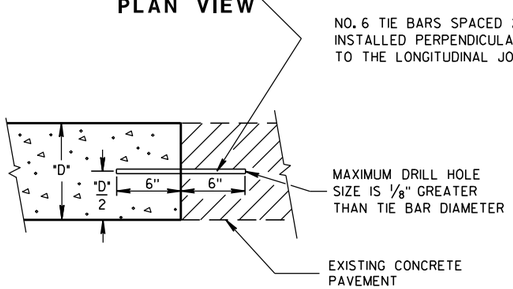
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

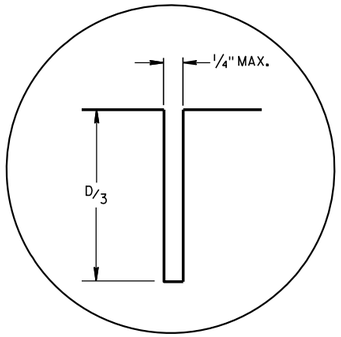
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

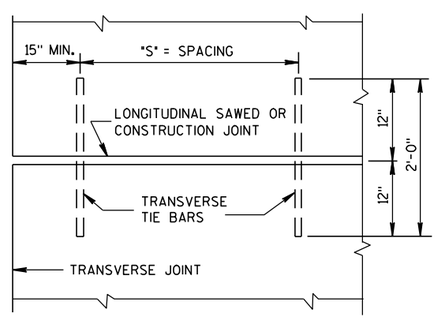


SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥ 30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
8, 8 1/2"	3 3/4"±1"	39"	30"
9, 9 1/2"	4 1/4"±1"	33"	27"
10, 10 1/2"	4 3/4"±1"	30"	24"
11, 11 1/2"	5 1/4"±1"	27"	21"
12"	5 3/4"±1"	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10-5-2010 DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DI ENGINEER

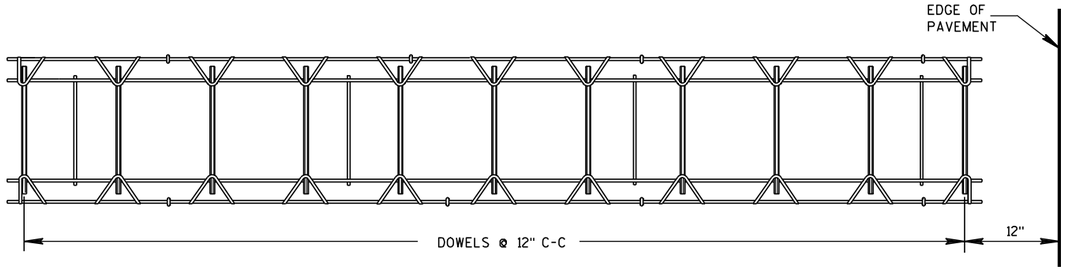
FHWA

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S.D.D. 13 C 1-15

6

S.D.D. 13 C 1-15



PLAN VIEW

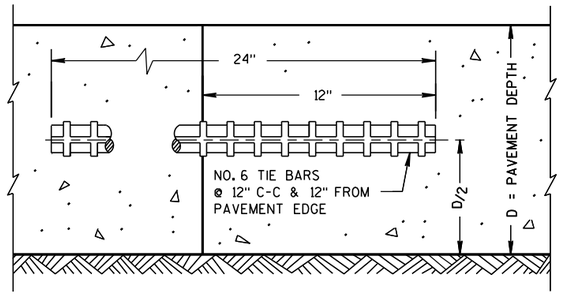


SIDE VIEW

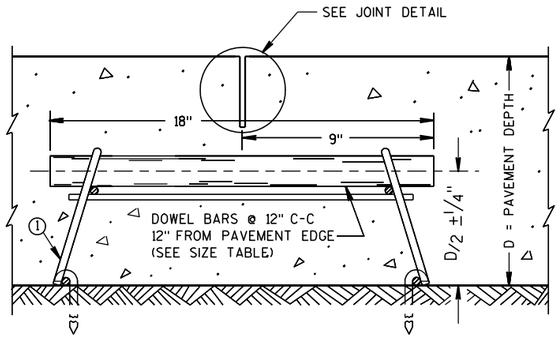
CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

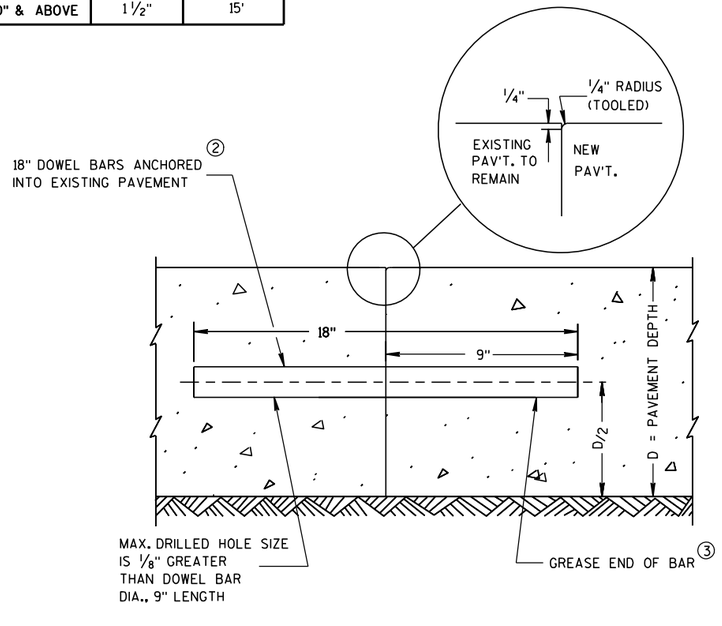
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



TRANSVERSE CONSTRUCTION JOINT

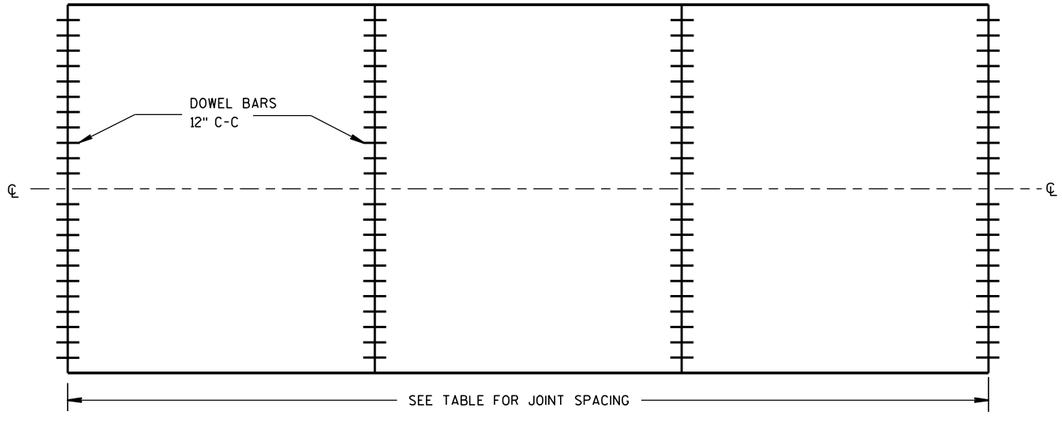


DOWELED CONTRACTION JOINT

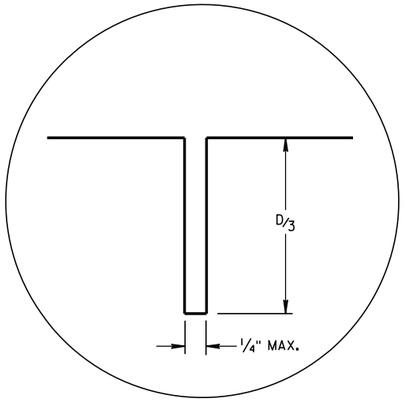


TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

④ DOWEL BAR DETAIL



CONTRACTION JOINT LOCATIONS



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, CENTER THE DOWEL ASSEMBLY ACROSS THE LANES. LOCATE THE INNER AND OUTER MOST DOWEL BARS SO THAT THE CENTER OF THE BARS ARE A MINIMUM OF 6 INCHES AND A MAXIMUM OF 12 INCHES FROM THE LONGITUDINAL JOINT AND THE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

THE CONTRACTOR MAY INSERT TIE BARS THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN PLACED.

① THE ENGINEER MAY APPROVE THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. THE CONTRACTOR MAY USE MECHANICAL DOWEL BAR INSERTERS INSTEAD OF DOWEL ASSEMBLIES.

② ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

③ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

④ SPACE DOWEL BARS INSTALLED BY DRILLING 1'-3" ON CENTER. CENTER THE GROUPING OF DOWEL BARS INSIDE THE SLAB BASED ON ALL THE FOLLOWING SITUATIONS:

BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.

⑤ SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/11/2009 — DATE

/S/ Deb Bischoff — PAVEMENT POLICY & DESIGNER

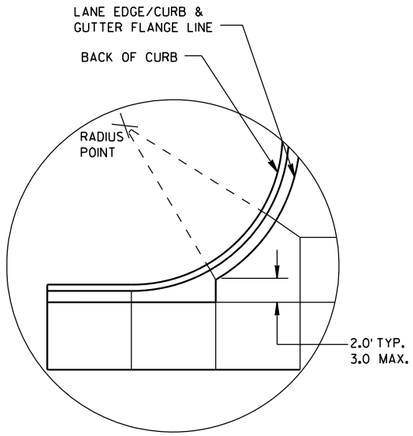
FHWA

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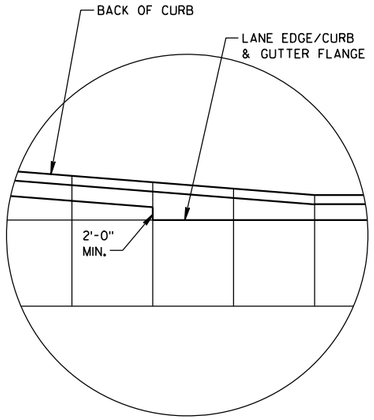
S.D.D. 13 C 13-7

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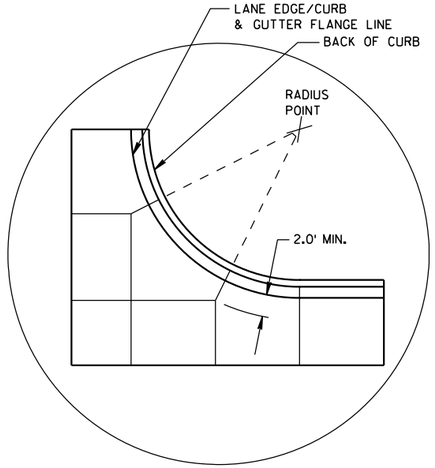
S.D.D. 13 C 13-7



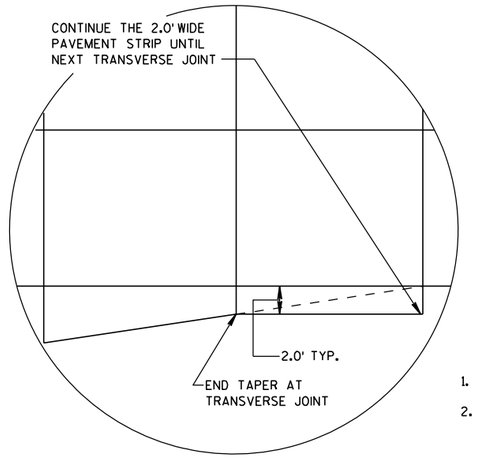
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

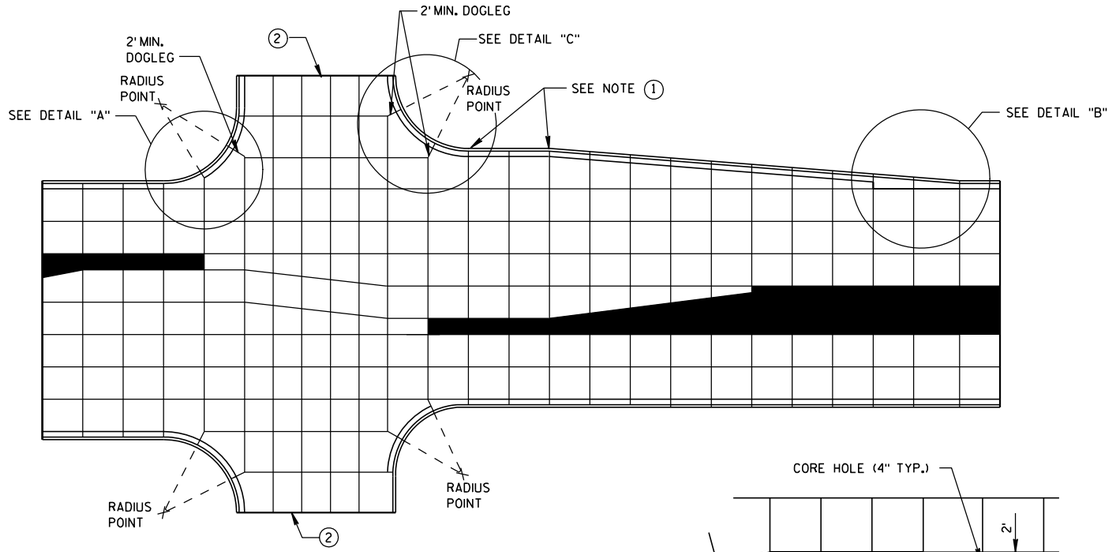
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

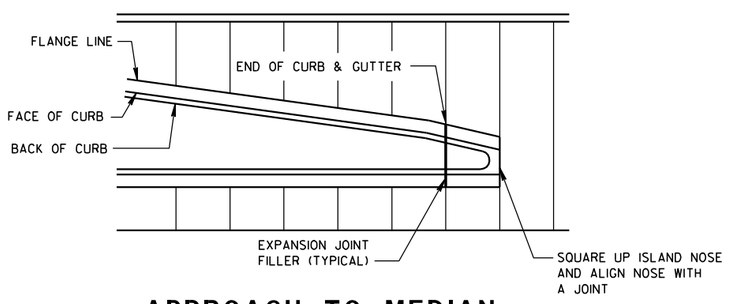
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



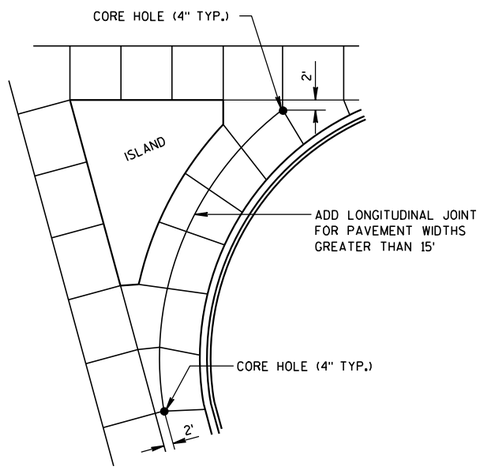
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

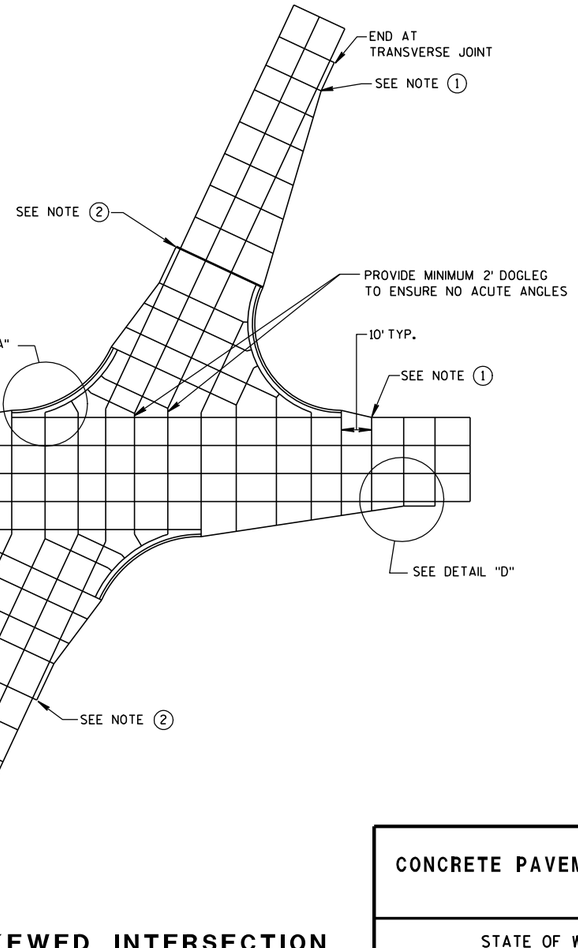
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 18-1a

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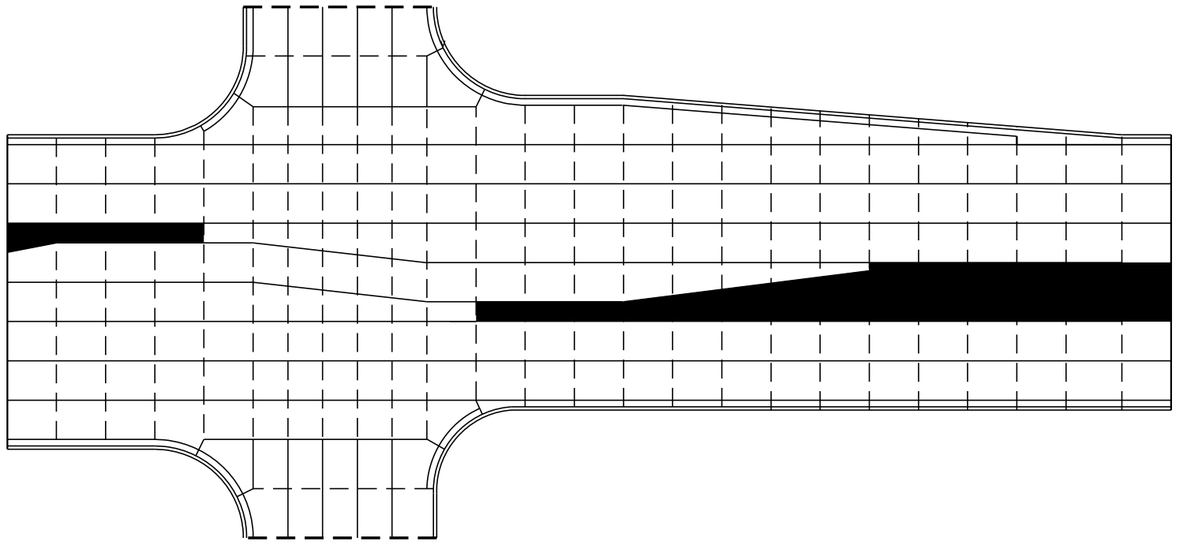
S.D.D. 13 C 18-1a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

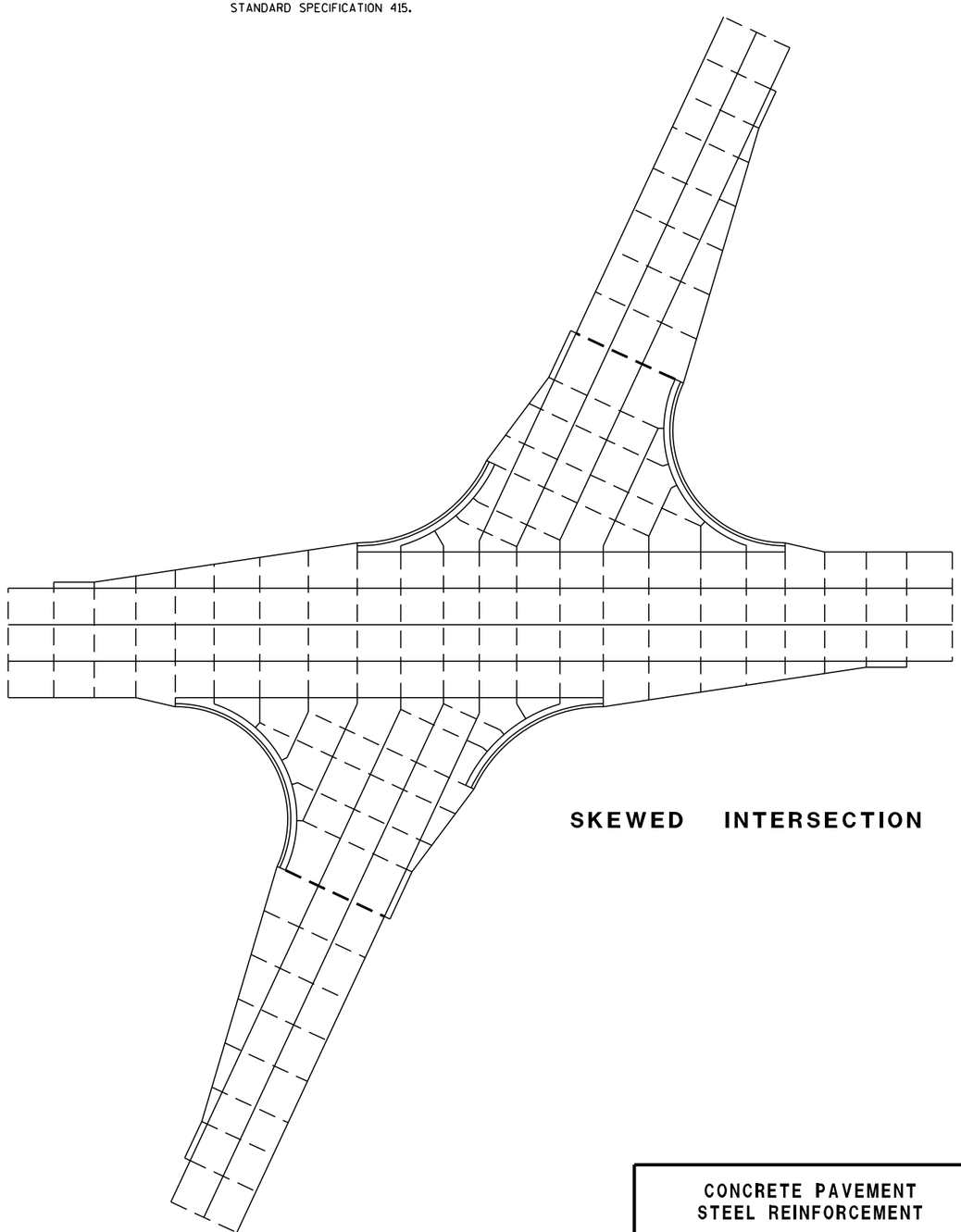
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

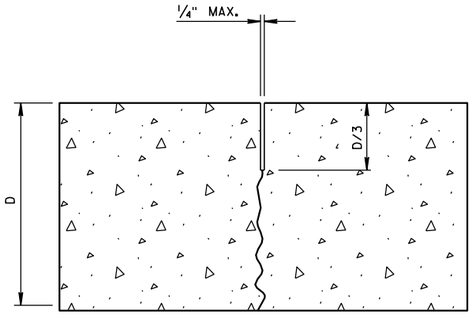
S.D.D. 13 C 18-1b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

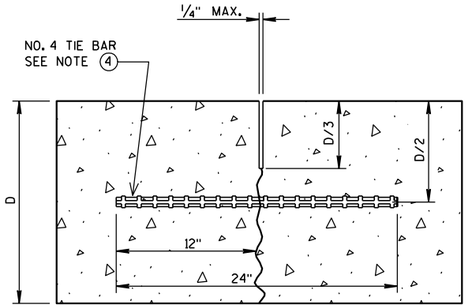
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 18-1b



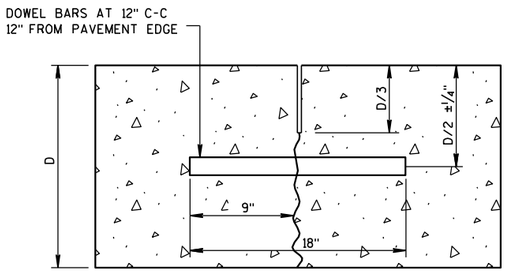
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

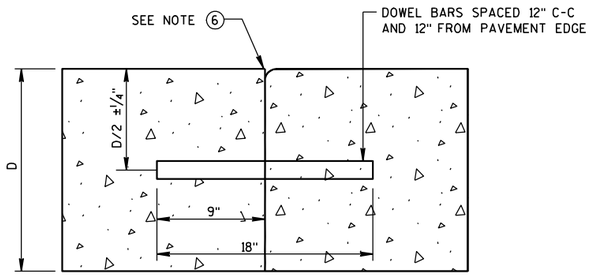
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



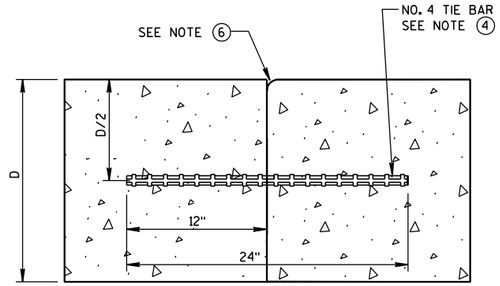
DOWELED-TRANSVERSE

CONTRACTION JOINTS

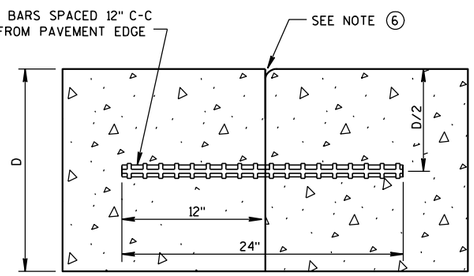
SEE NOTE (2)



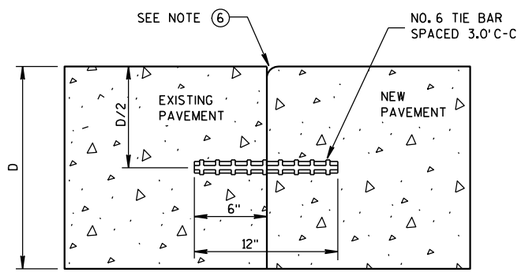
DOWELED TRANSVERSE



TIED LONGITUDINAL



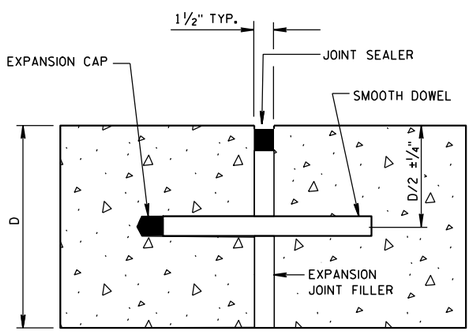
TIED TRANSVERSE
SEE NOTE (3)



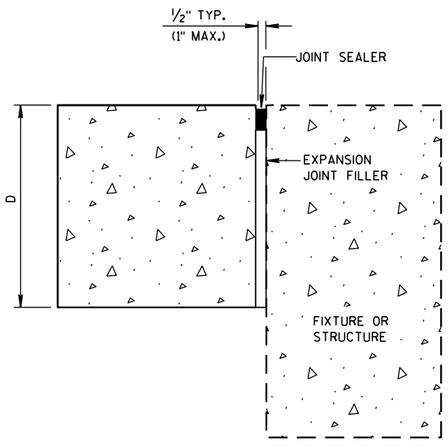
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE
SEE NOTE (1)



UNTIED-LONGITUDINAL

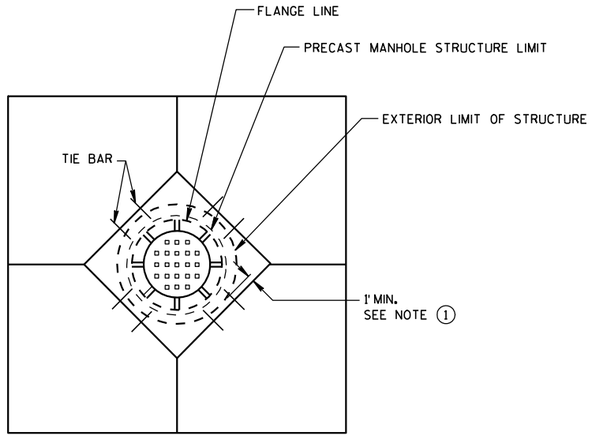
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

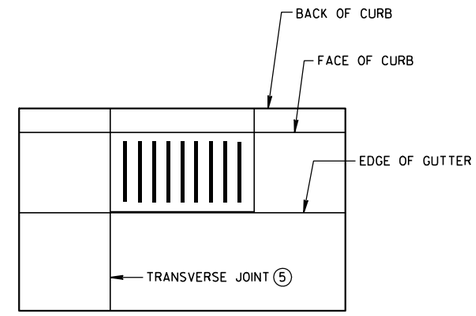
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

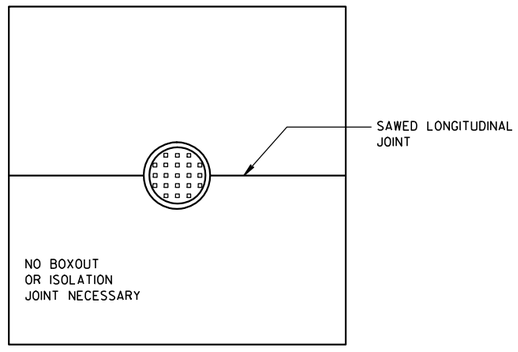
S.D.D. 13 C 18-1c



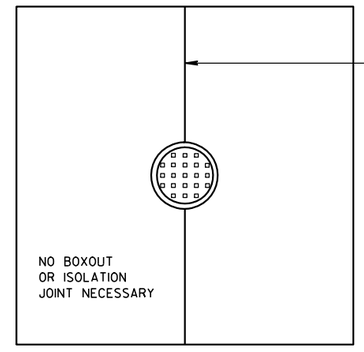
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



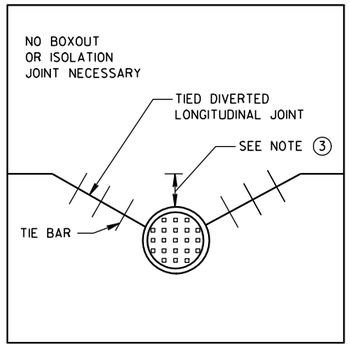
INLET WITH TRANSVERSE JOINT



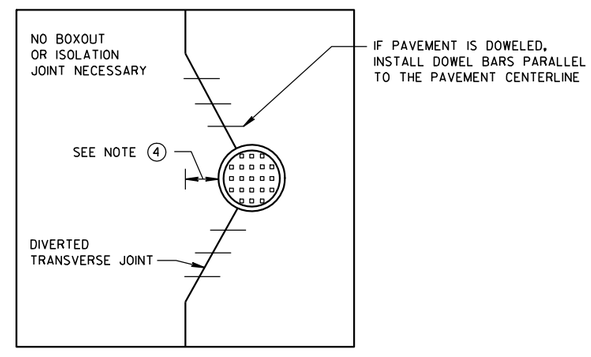
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

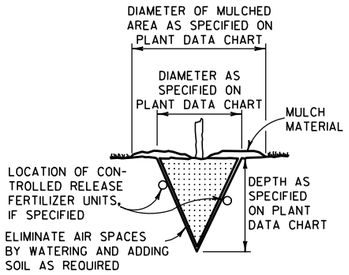
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS GREATER THAN 2 FEET, DO NOT DIVERT JOINT AND SAW LONGITUDINAL JOINT AS NORMAL. IF DISTANCE IS 2 FEET OR LESS, DIVERT LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE.
4. IF DISTANCE FROM THE EDGE OF MANHOLE TO THE NEAREST TRANSVERSE JOINT IS GREATER THAN 4 FEET, REDIRECT JOINT TO INTERSECT MANHOLE. IF DISTANCE IS 4 FEET OR LESS, PLACE REBAR REINFORCEMENT AROUND MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

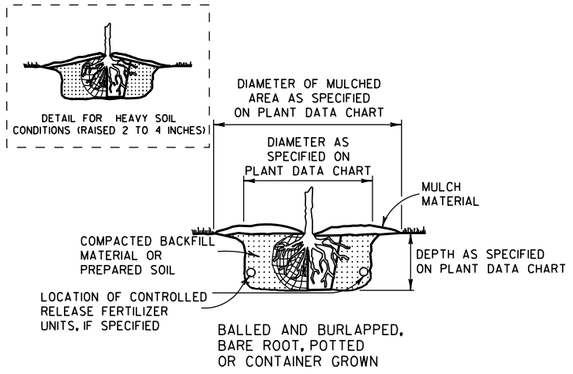
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-5-2010 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & D441 ENGINEER
FHWA

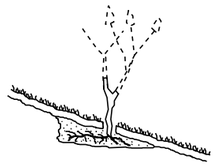
6
S.D.D. 13 C 18-1d



MACHINE MOVED

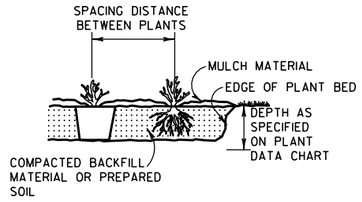


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



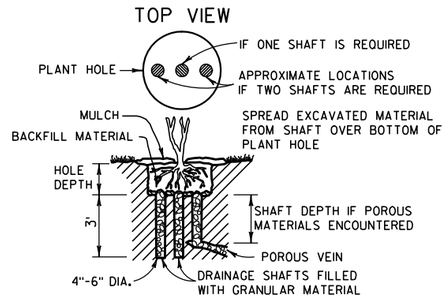
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

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



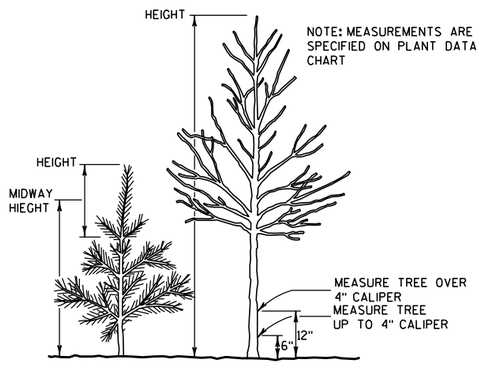
PREPARED BED (BARE ROOT AND POTTED)

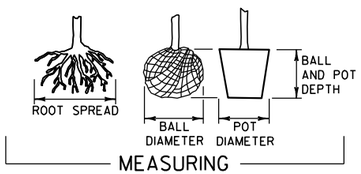
PLANTING



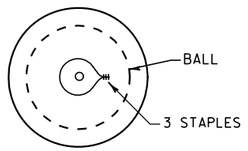
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

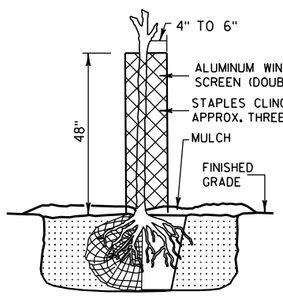




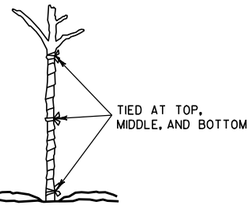
MEASURING



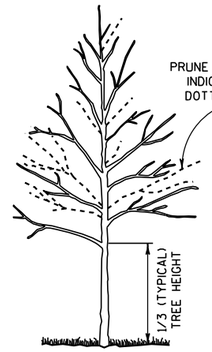
TOP VIEW



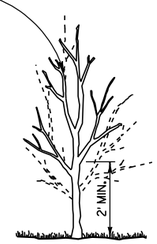
RODENT PROTECTION



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)

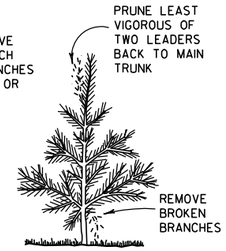
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

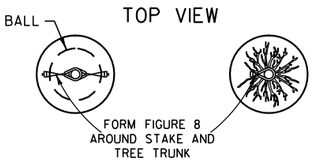


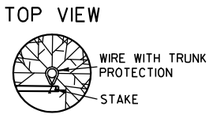
SUMAC

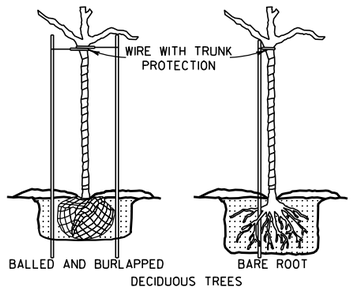


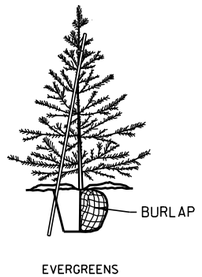
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



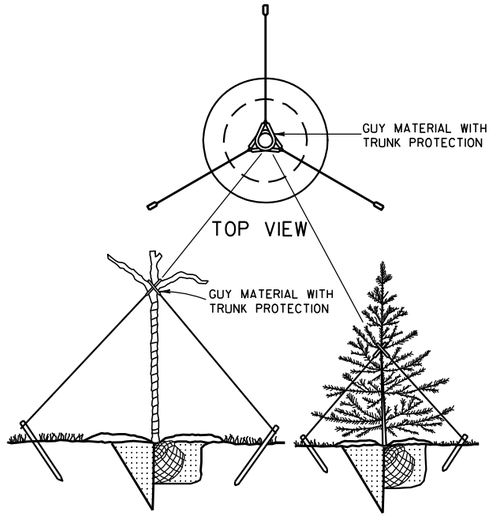




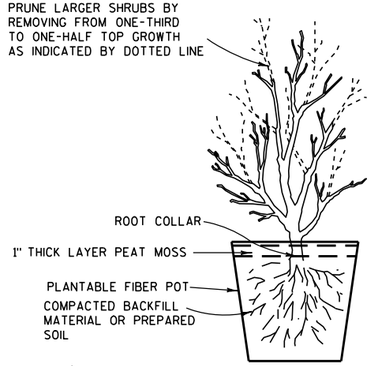


NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE 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.

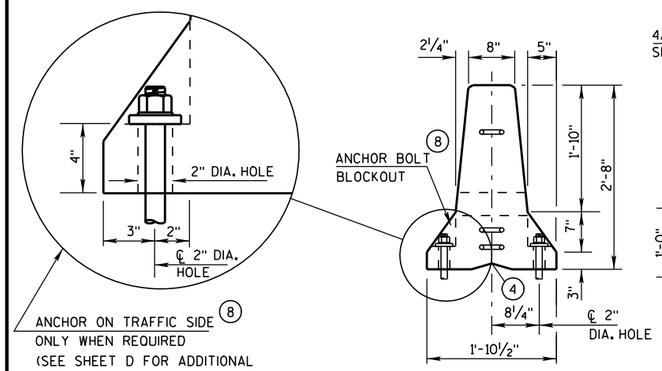
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

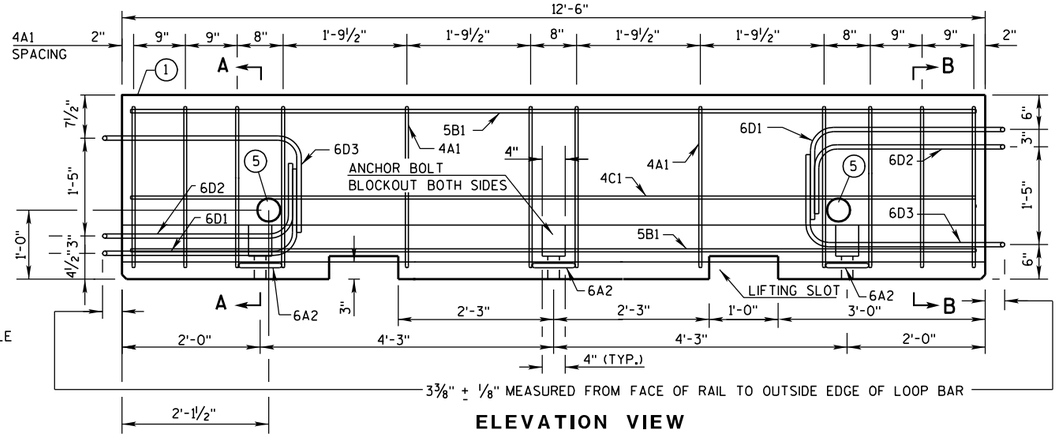
APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

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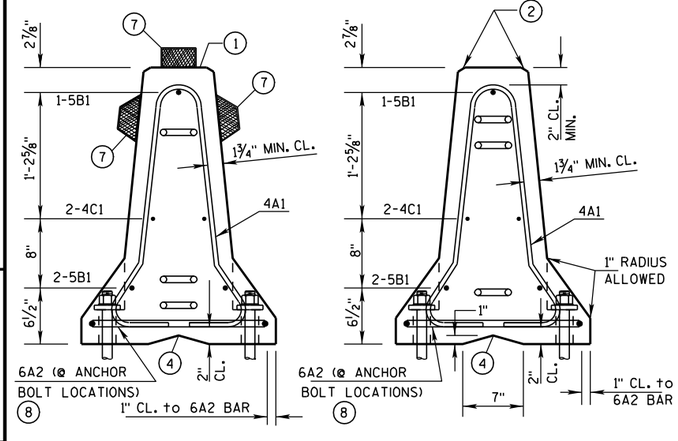
S.D.D. 14 A 2-1



END VIEW

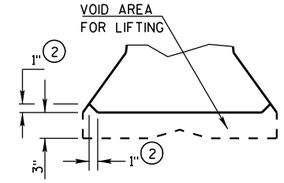


ELEVATION VIEW

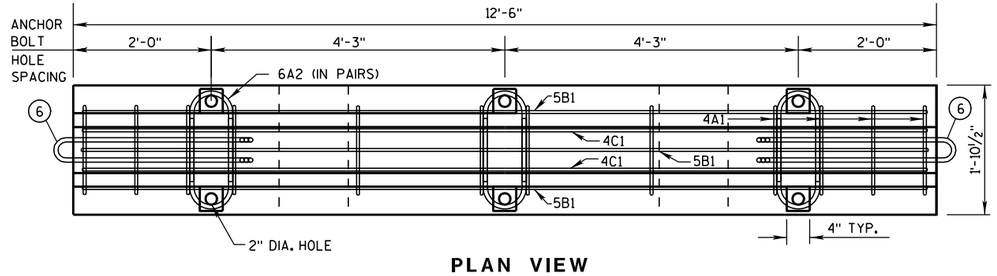


SECTION A-A
(STIRRUP PLACEMENT)

SECTION B-B
(STIRRUP PLACEMENT)

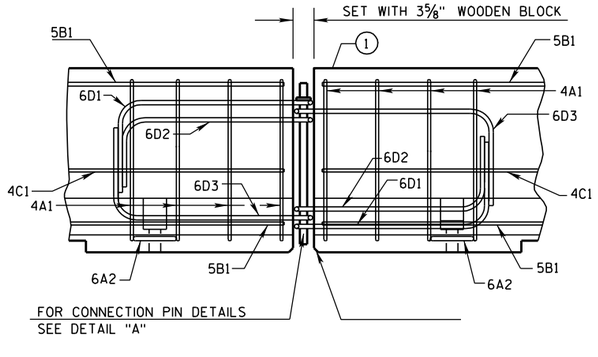


DETAIL "B"
LIFTING SLOT DETAIL

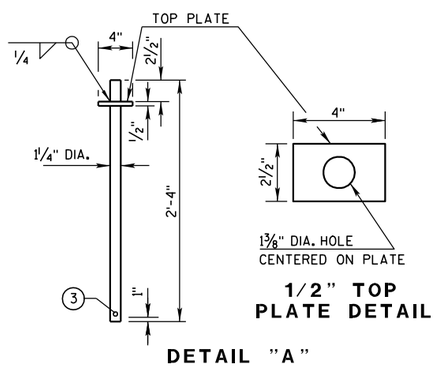


PLAN VIEW

DETAILS OF BARRIER SECTION



DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))

GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-12(a) THRU 14B7-12(d).

DETAILS AND REQUIREMENTS FOR THE FABRICATION AND INSTALLATION OF CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" (CBTP12.5) ARE SHOWN ON 4 SHEETS, 14B7-12(a) THRU 14B7-12(d)

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

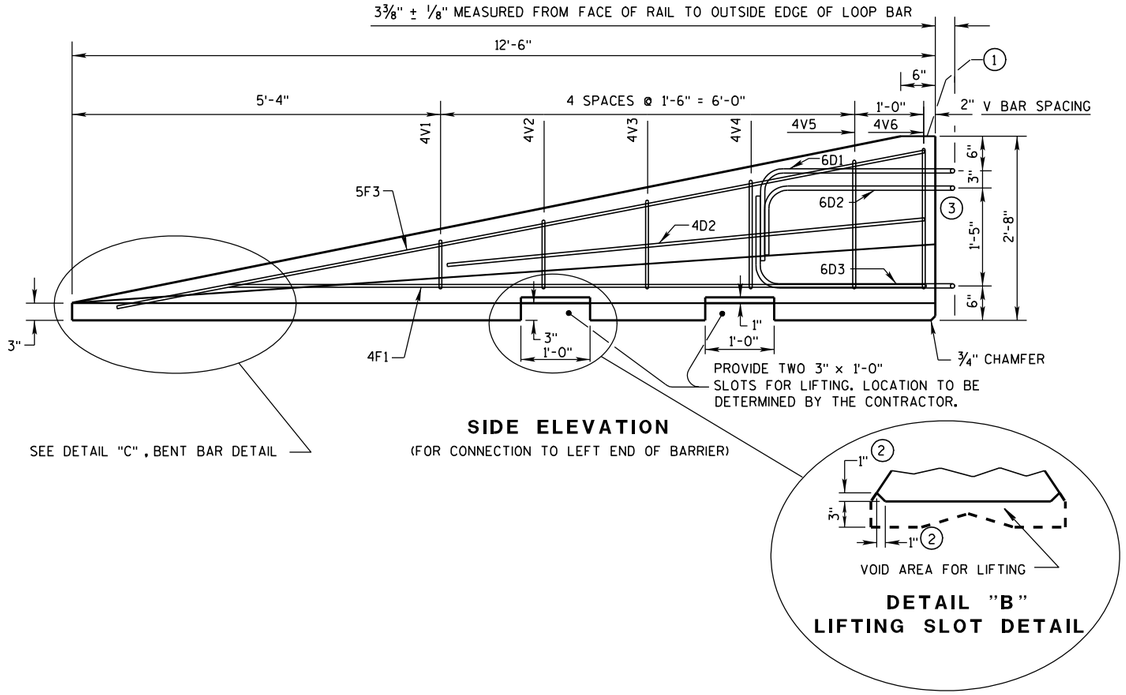
(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

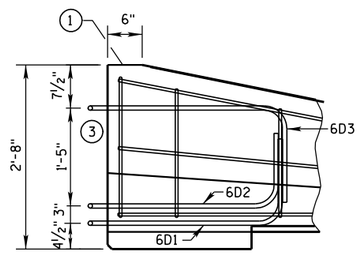
(8) SEE SHEET D FOR ANCHORING CRITERIA.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

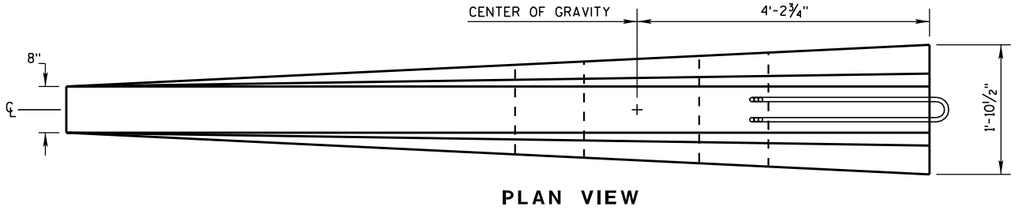
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S.D.D. 14 B 7-12a

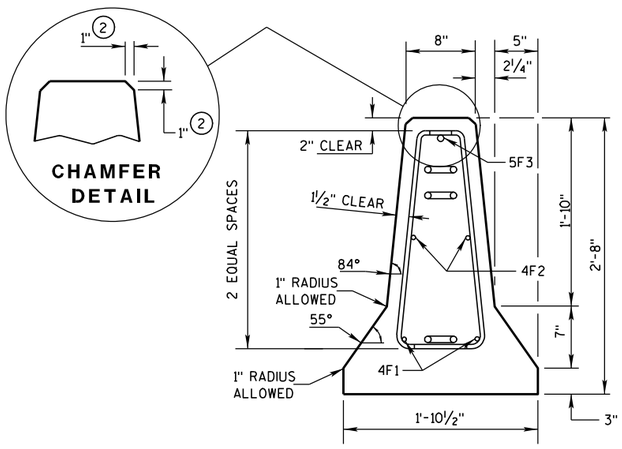


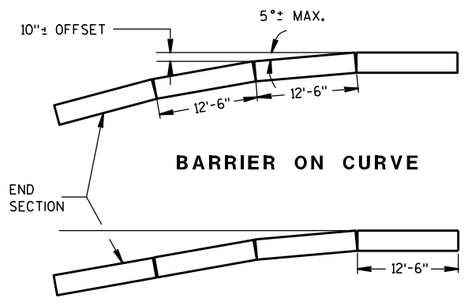


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

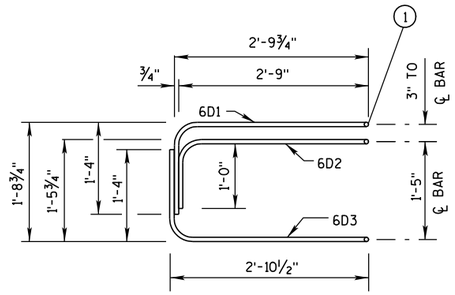
6

S.D.D. 14 B 7-12b

BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY

DETAIL "C"
BENT BAR DETAIL

BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

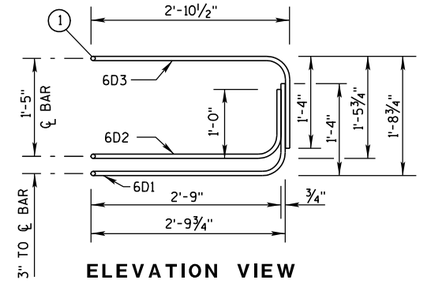
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

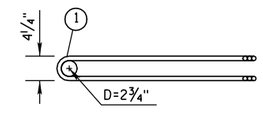
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

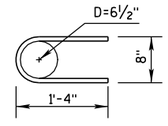
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



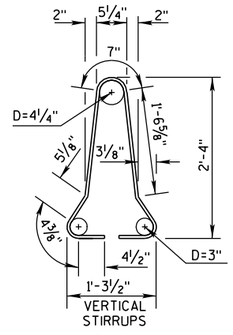
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

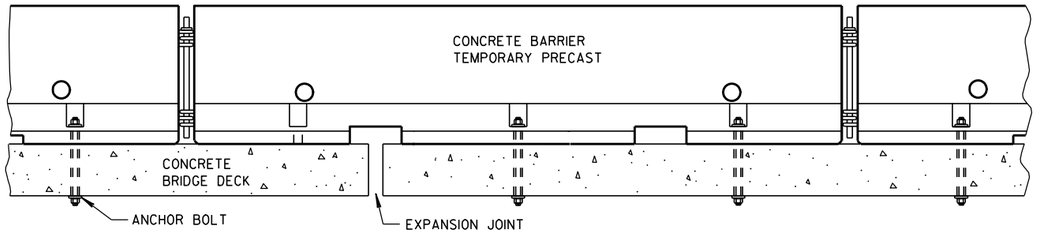
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 7-12c

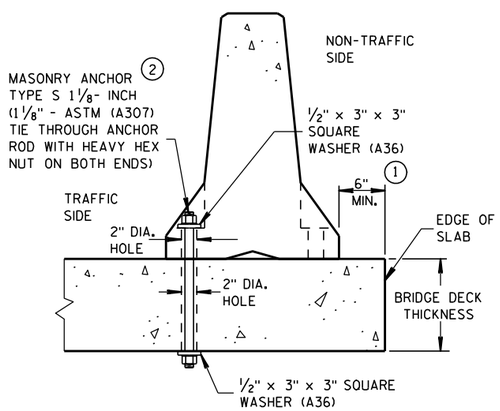
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S.D.D. 14 B 7-12c



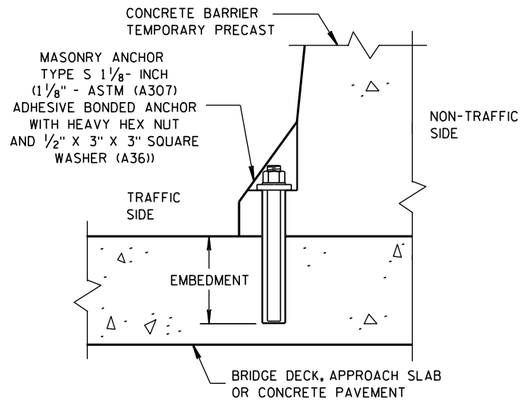
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)



THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



REMOVABLE ADHESIVE BONDED ANCHOR 2 INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

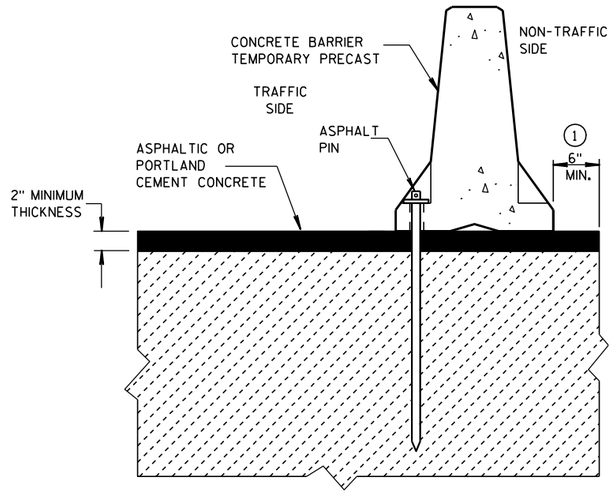
1. CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
   THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

   THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

2. ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

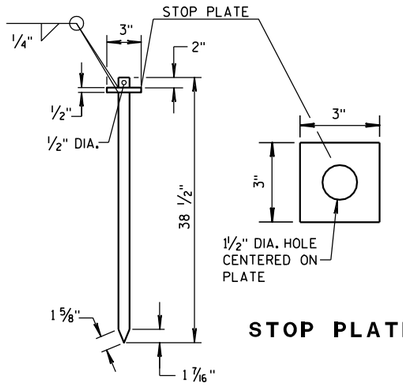
   WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED (EPOXY) ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

   UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALLANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR EPOXY MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

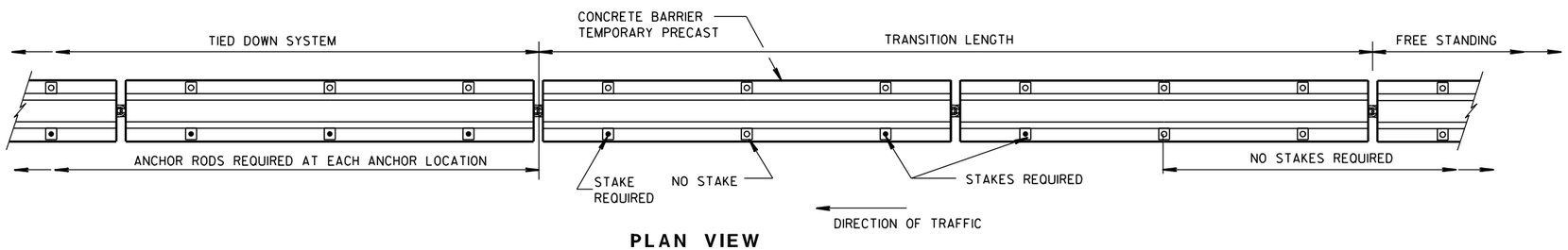
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6-3-2010
DATE

/S/ Jerry H. ?
ROADWAY STANDARD D ENGINEER

446

NT

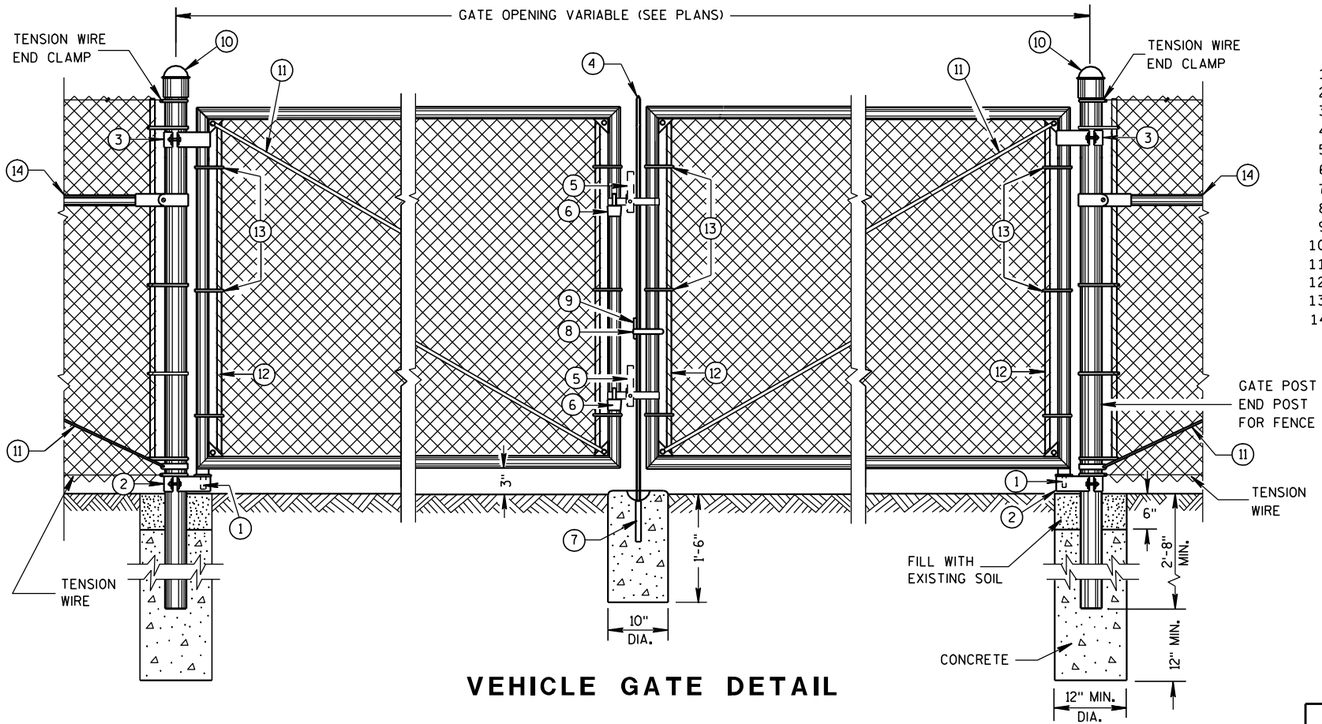
FHWA

6

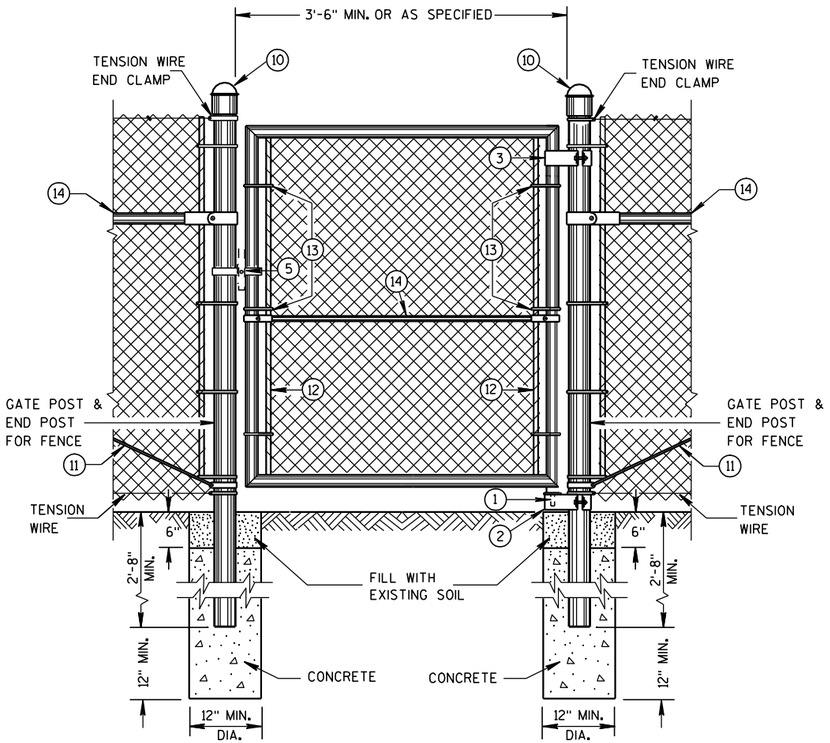
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S.D.D. 14 B 7-12d

S.D.D. 14 B 7-12d



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

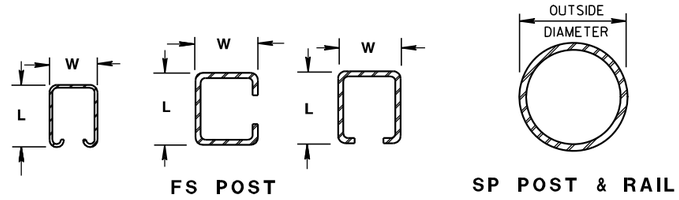
FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FORMED STEEL FENCE POST

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

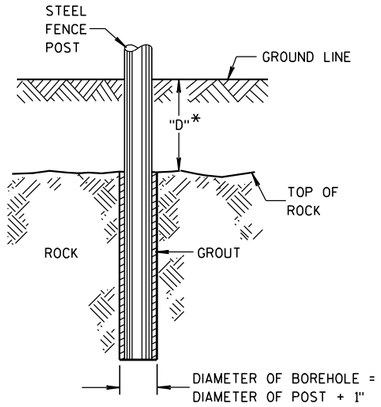
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

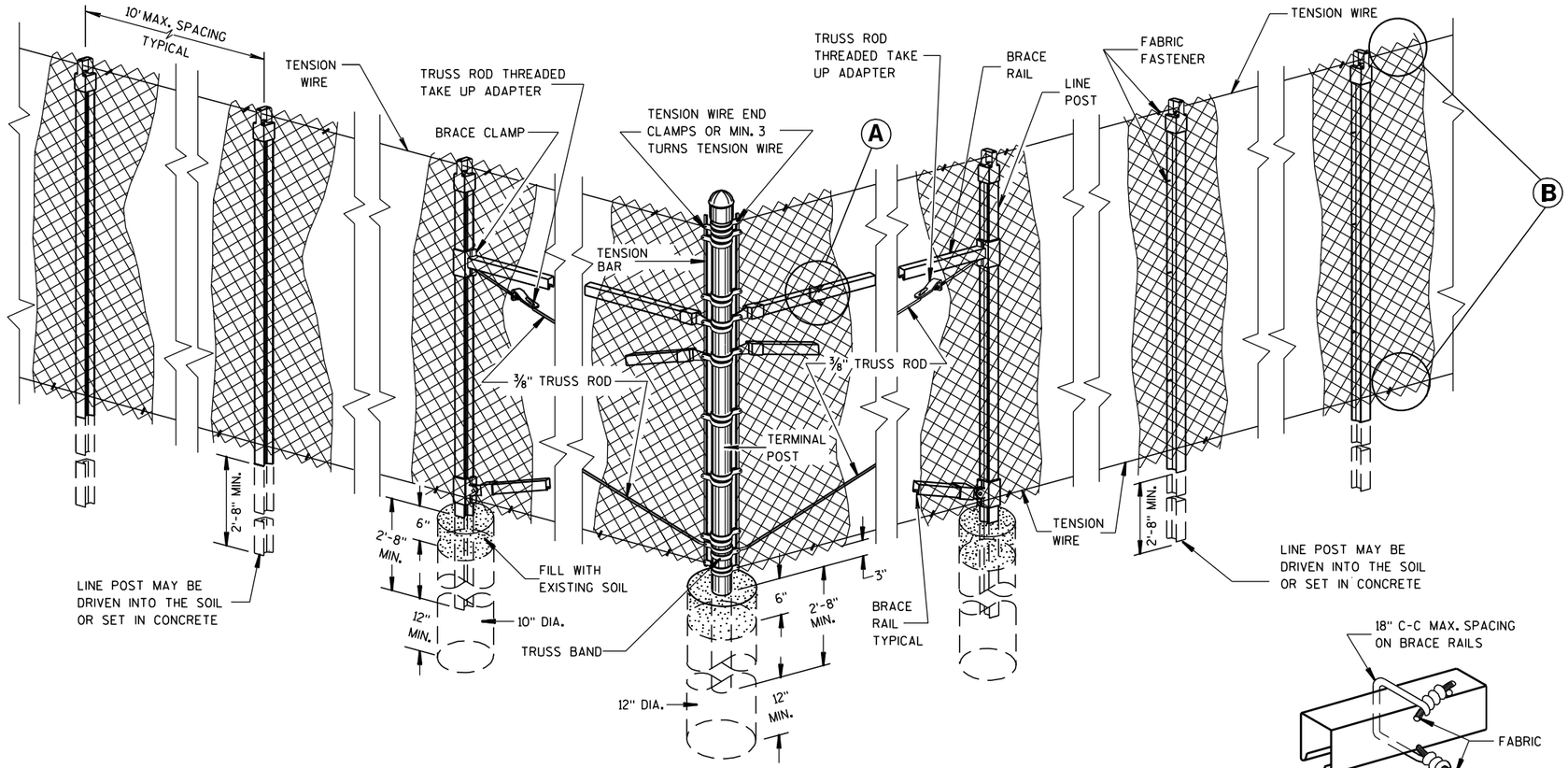
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S.D.D. 15 B 3-12a
S.D.D. 15 B 3-12a

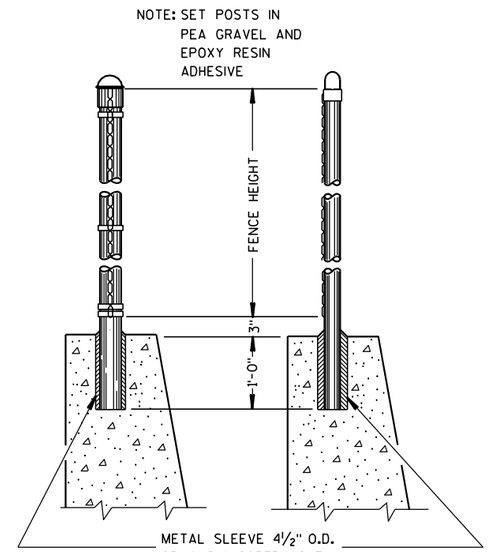


* IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST

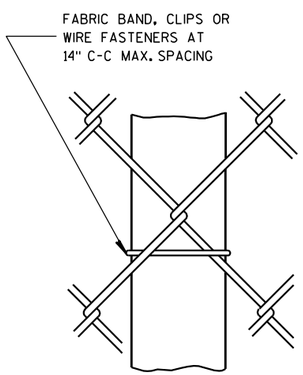


END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



END POST & CORNER POST — LINE POST

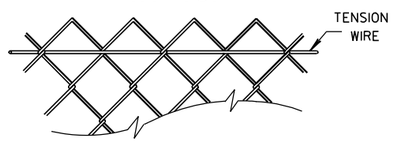
DETAILS OF FENCE ON WALL

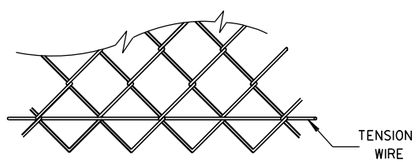


LINE POST

FABRIC FASTENER

AT TOP

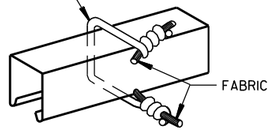




AT BOTTOM

SELVAGES

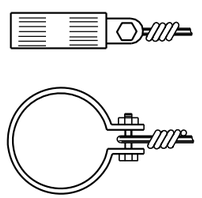
(B)



BRACE RAIL

FABRIC FASTENER

(A)



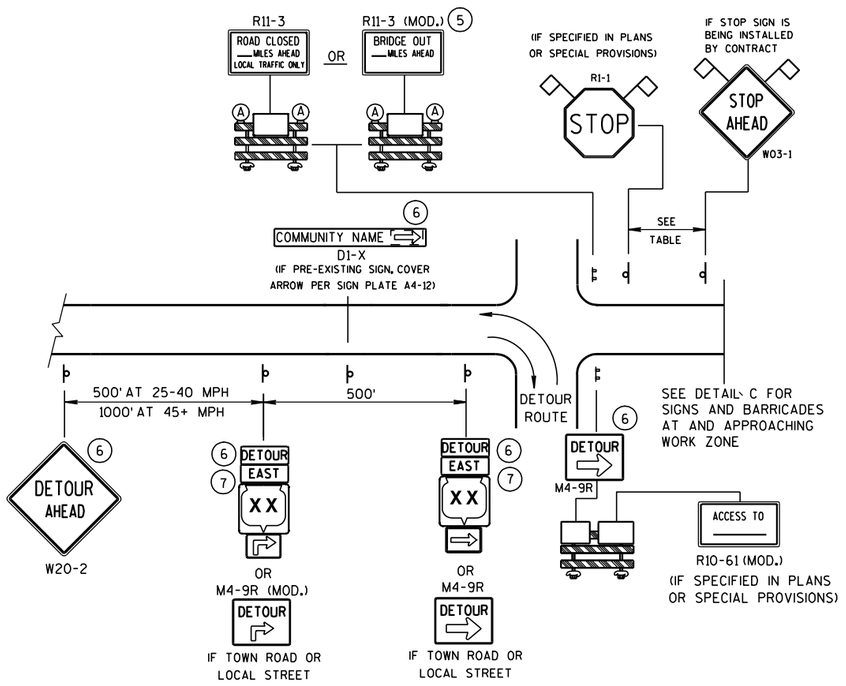
TENSION WIRE END CLAMP

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/19/2010 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
FHWA

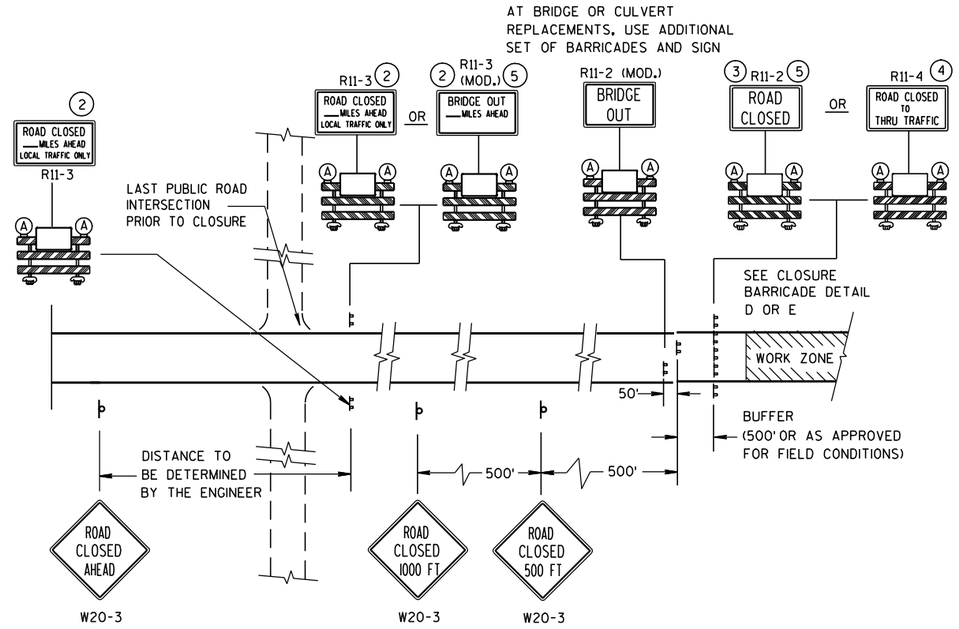
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S.D.D. 15 B 3-12b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

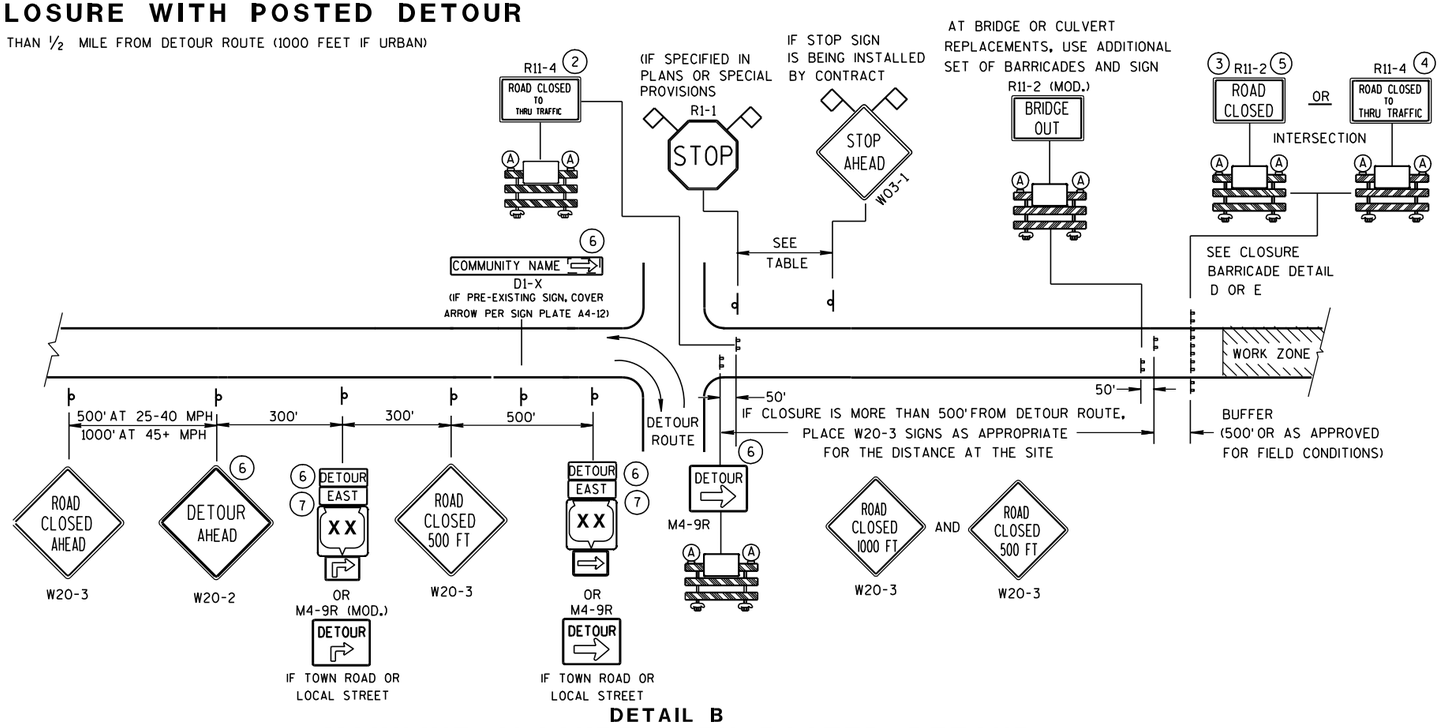


DETAIL C

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

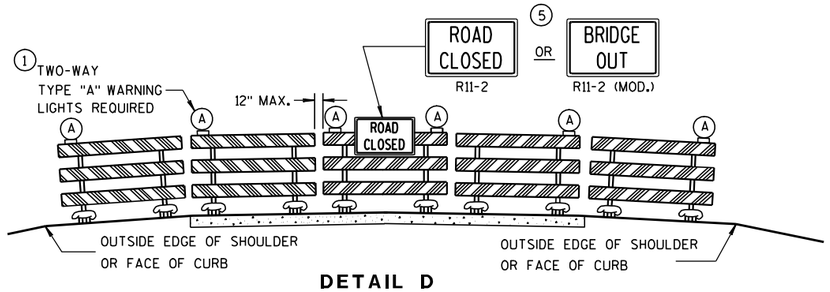
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

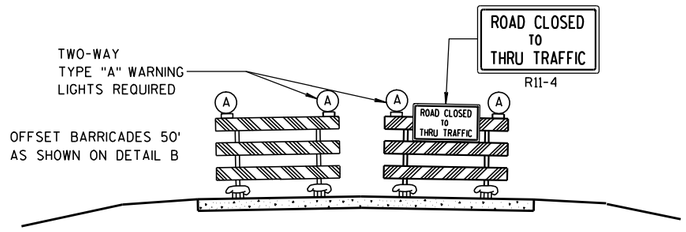
S.D.D. 15 C 2-4a



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

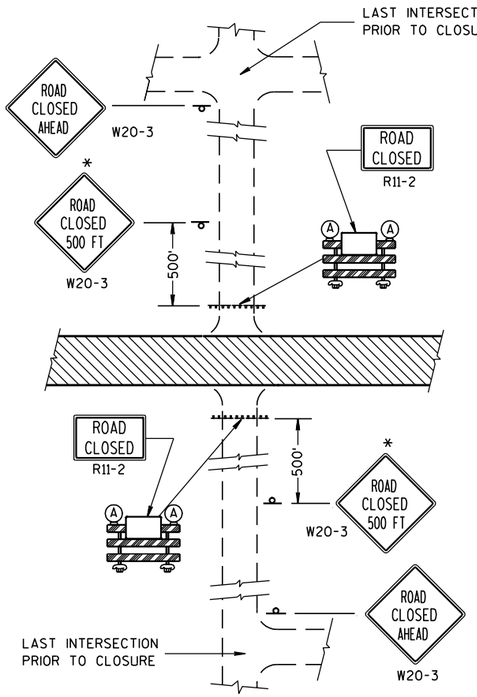
9/16/03 — DATE

/S/ Thomas N. [illegible] — CHIEF SIGNS AND MARKING ENGINEER

FHWA

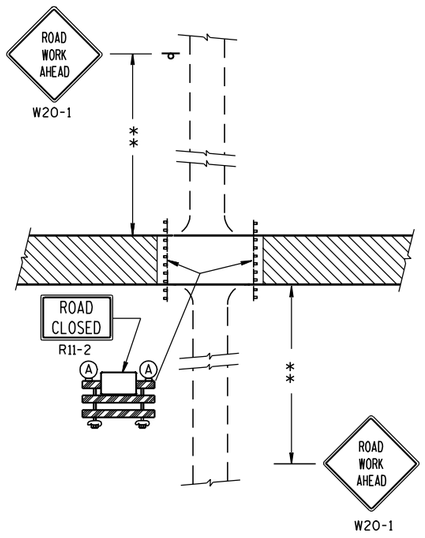
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S.D.D. 15 C 2-4b



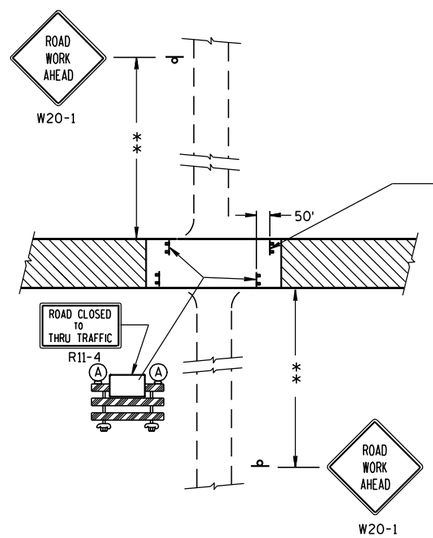
DETAIL 1

(NO ACCESS TO PROJECT)



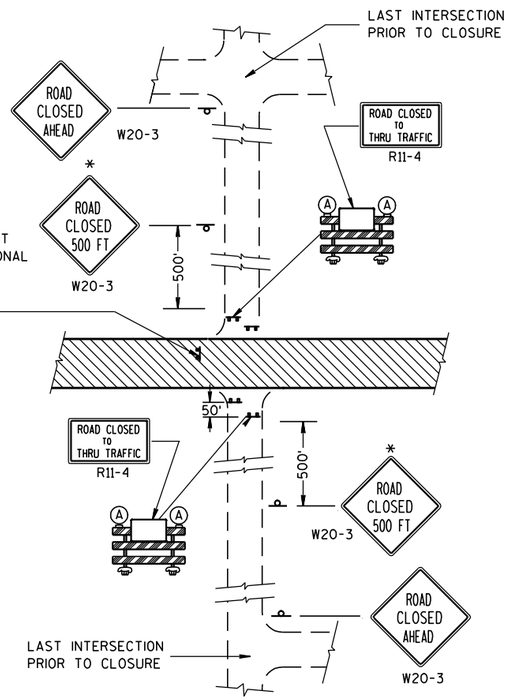
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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

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

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

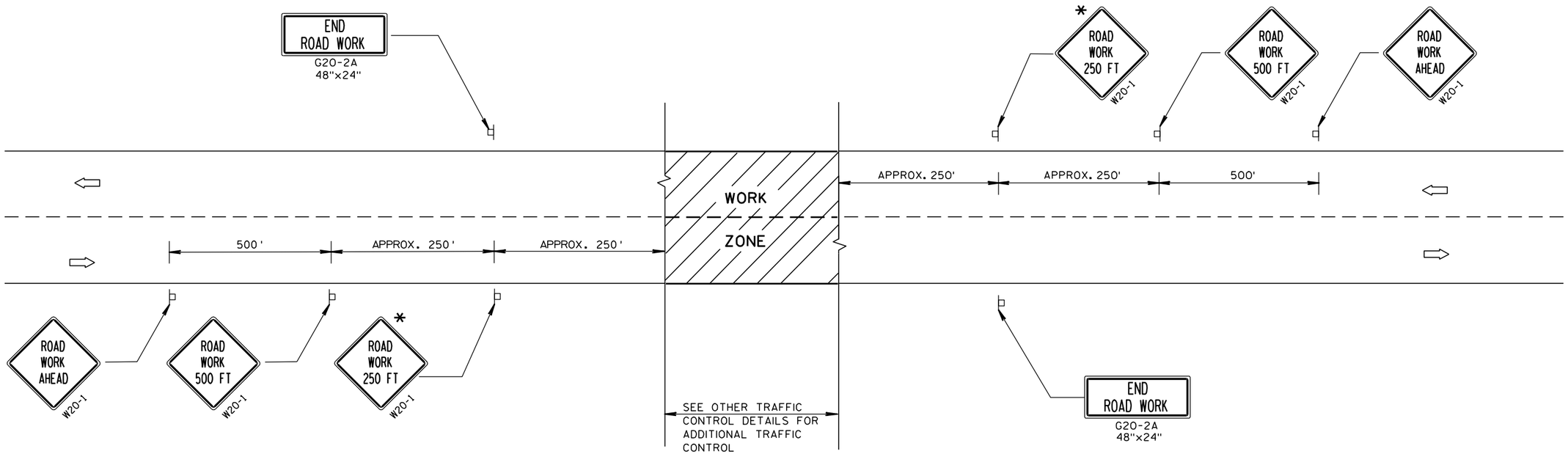
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-16-03 DATE

/S/ Thomas N. N[illegible] CHIEF SIGNS AND MAR[illegible] INEER

FHWA



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

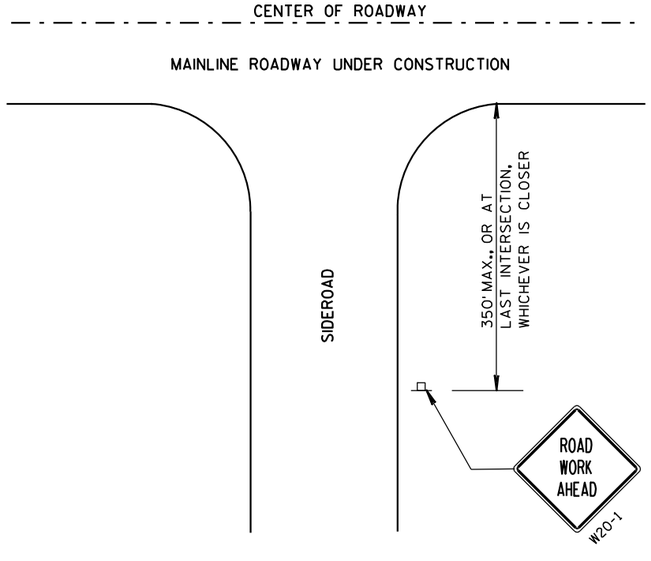
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/00
DATE

/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKING ENGINEER

FHWA

6

S.D.D. 15 C 5-1

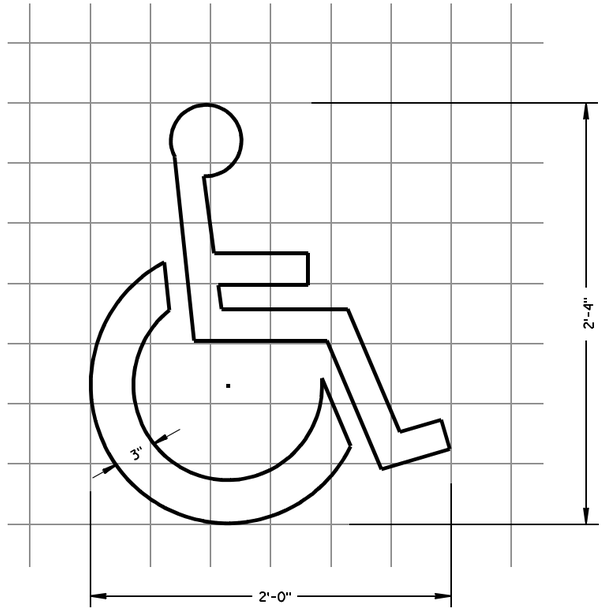
S.D.D. 15 C 5-1

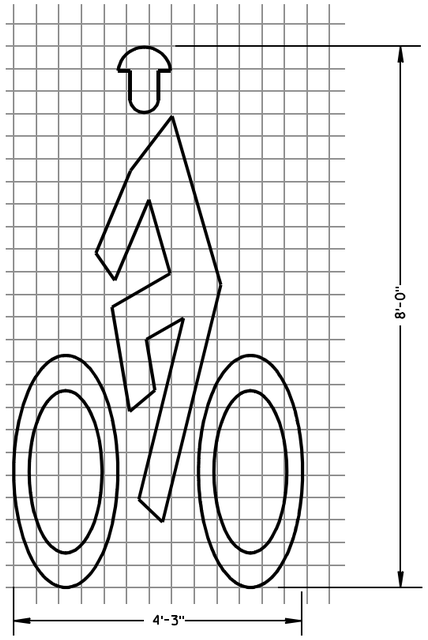
GENERAL NOTES

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.

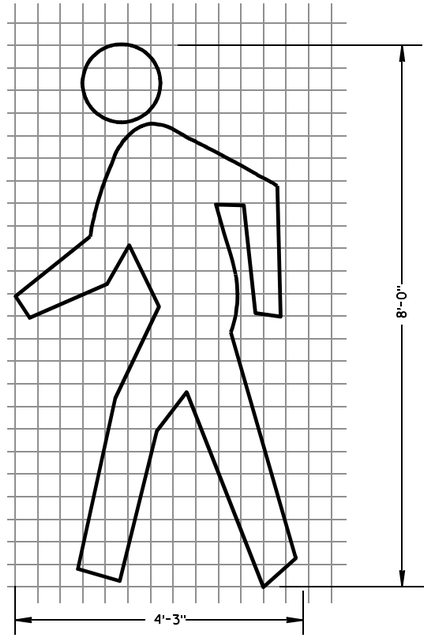
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

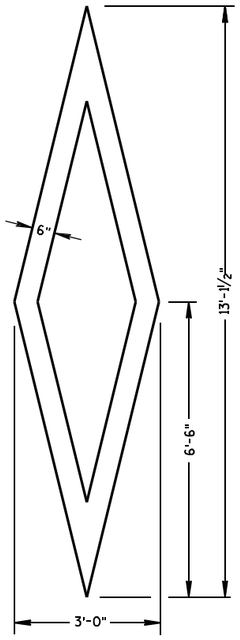




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL LANE SYMBOL

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N Nathan — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 7-12a

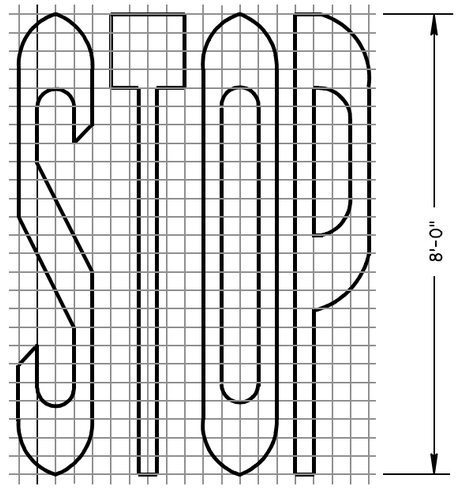
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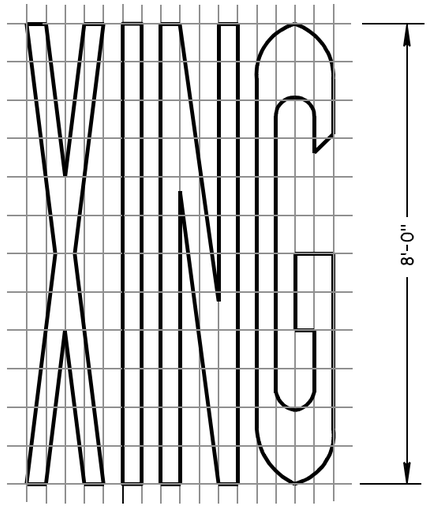
S.D.D. 15 C 7-12a

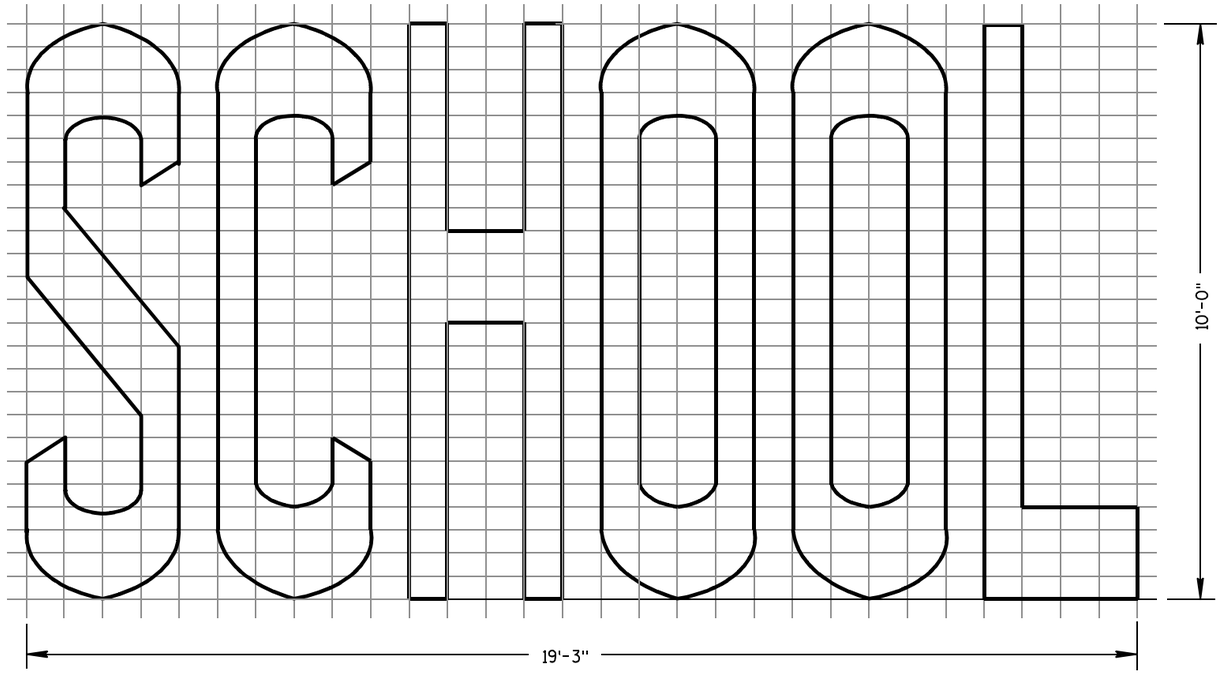
GENERAL NOTES

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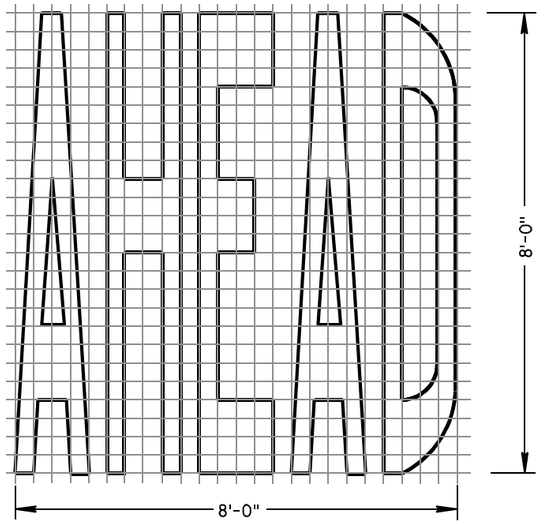
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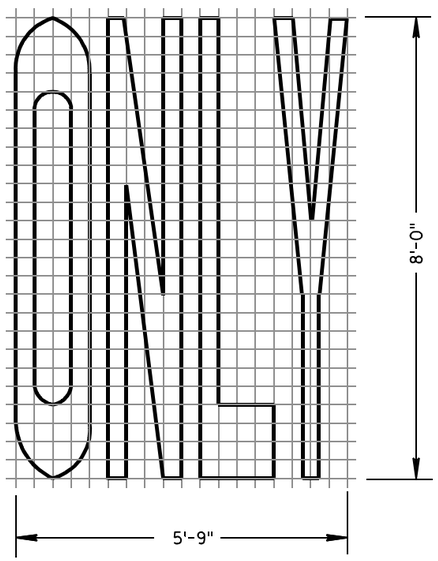


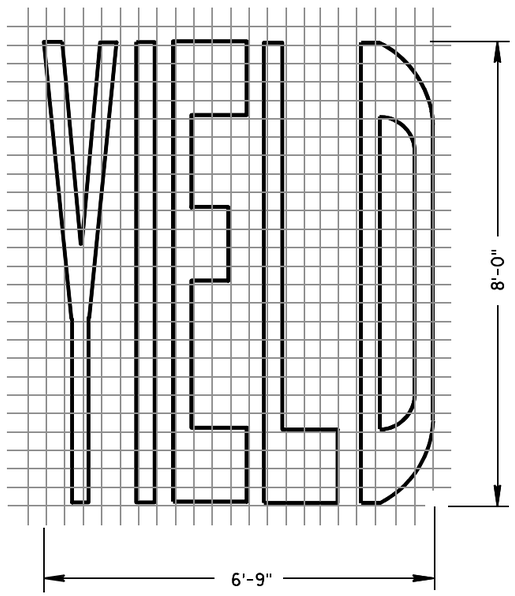


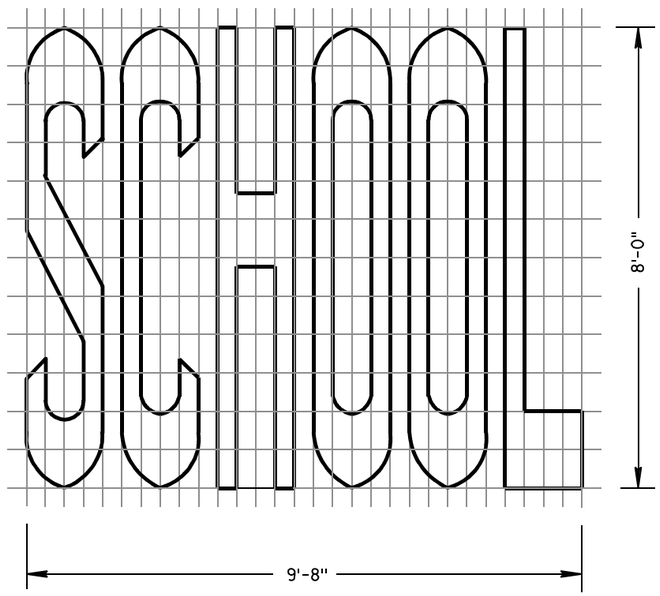


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE

/S/ Thomas N. Nothohm
STATE TRAFFIC ENGINEER

FHWA

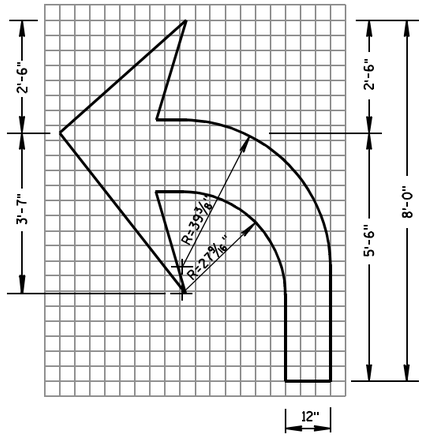
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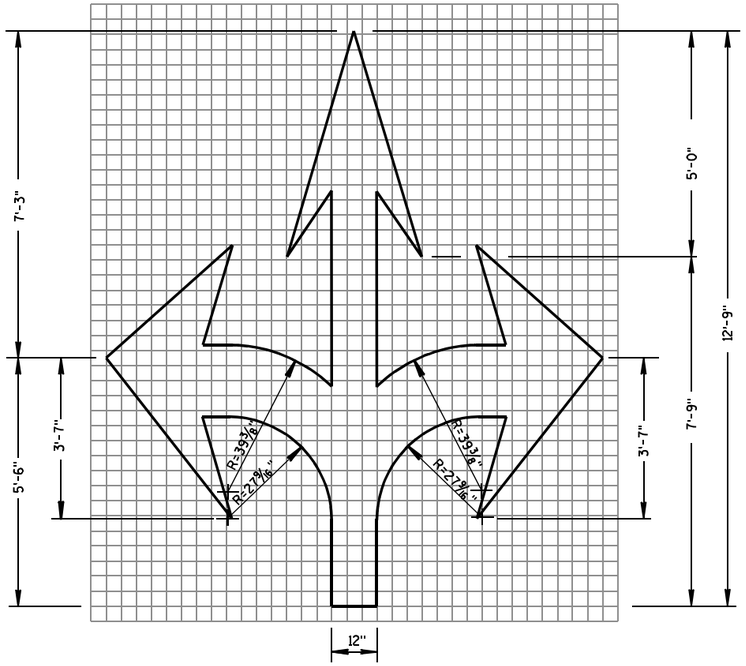
S.D.D. 15 C 7-12b

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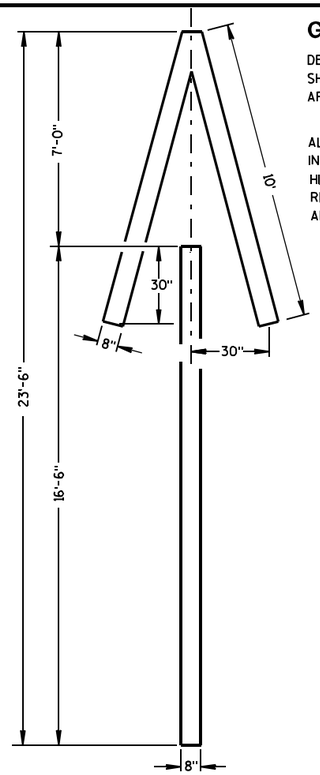
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TYPE 2



TYPE 6

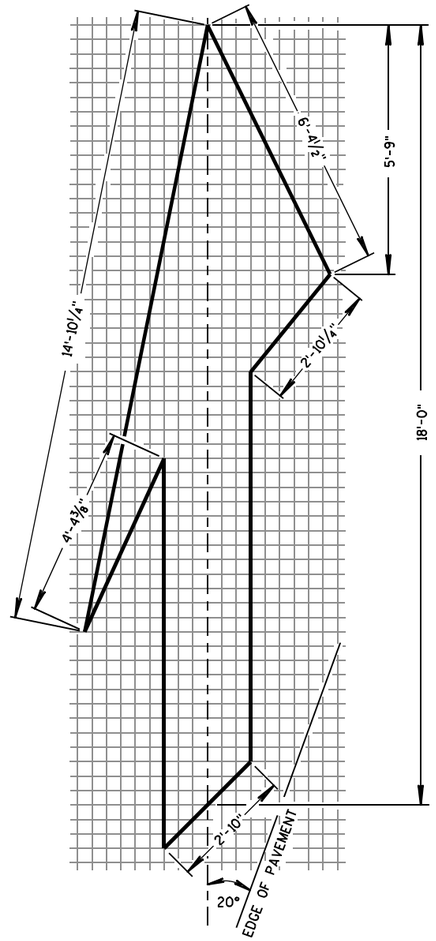


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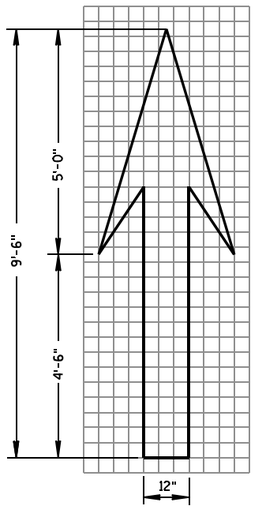
GENERAL NOTES

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.

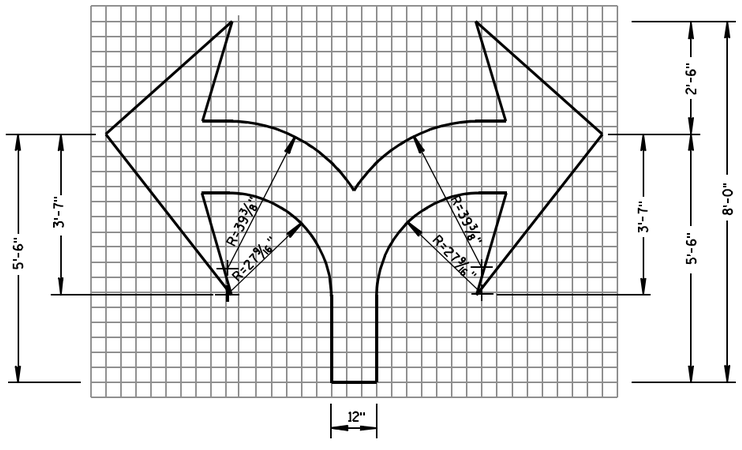
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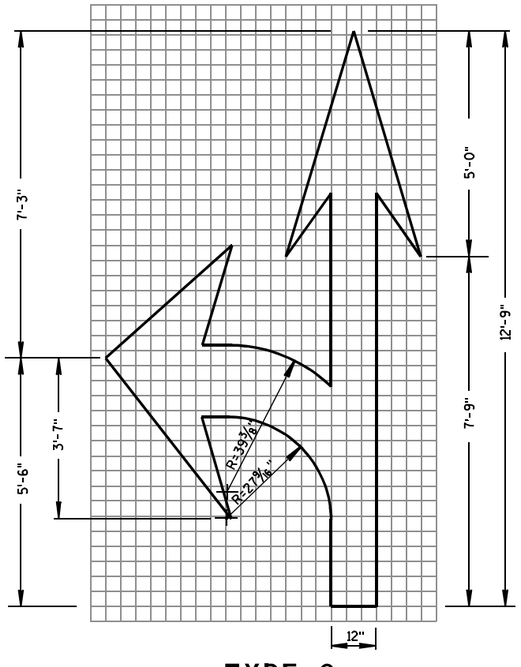
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

FHWA

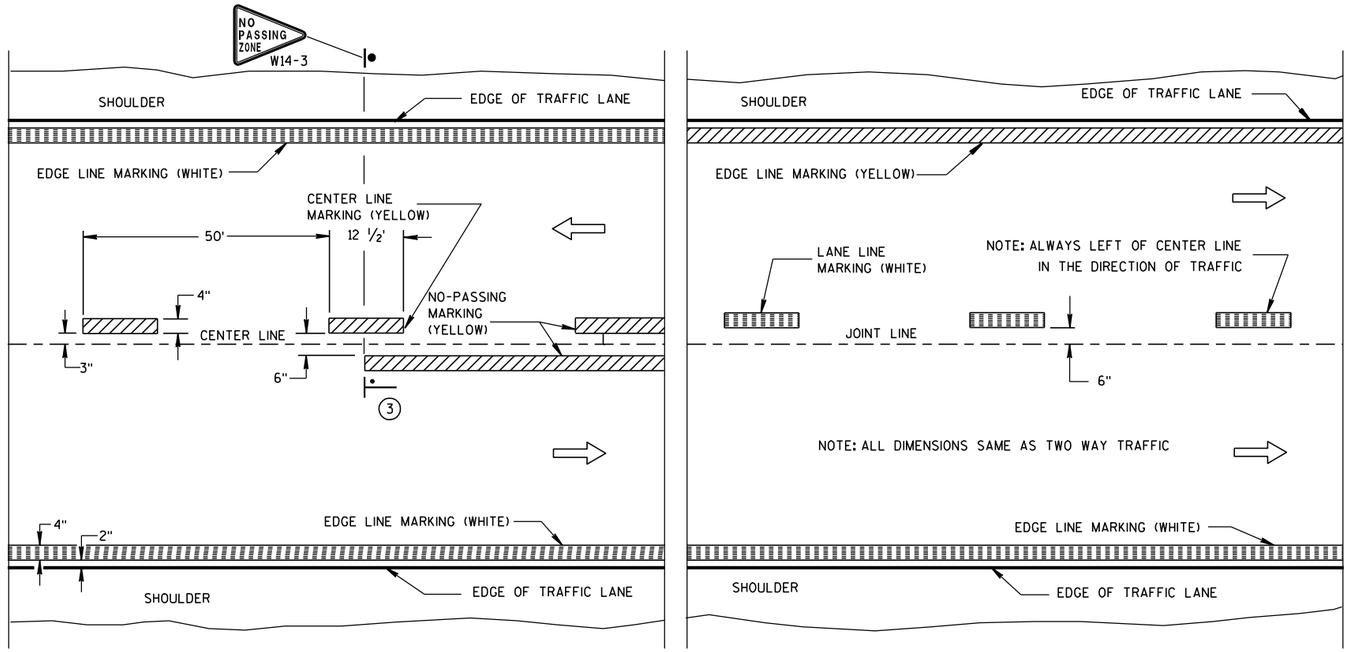
455

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S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

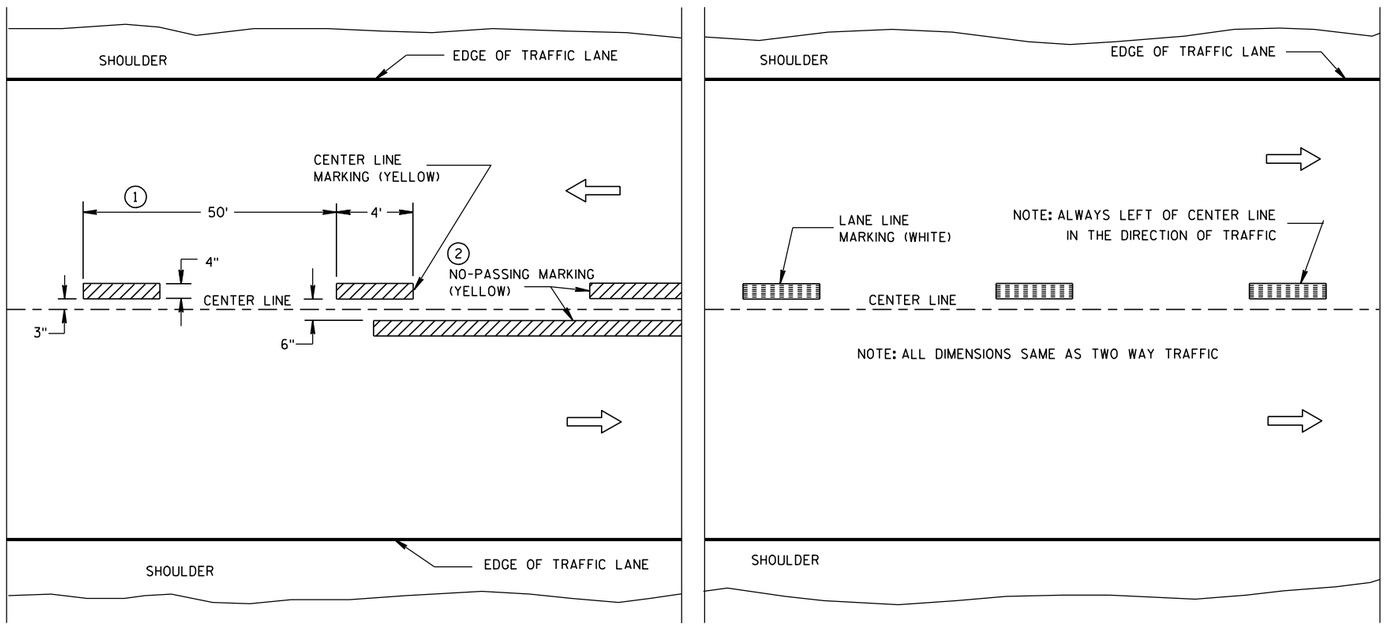
(1) HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

(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

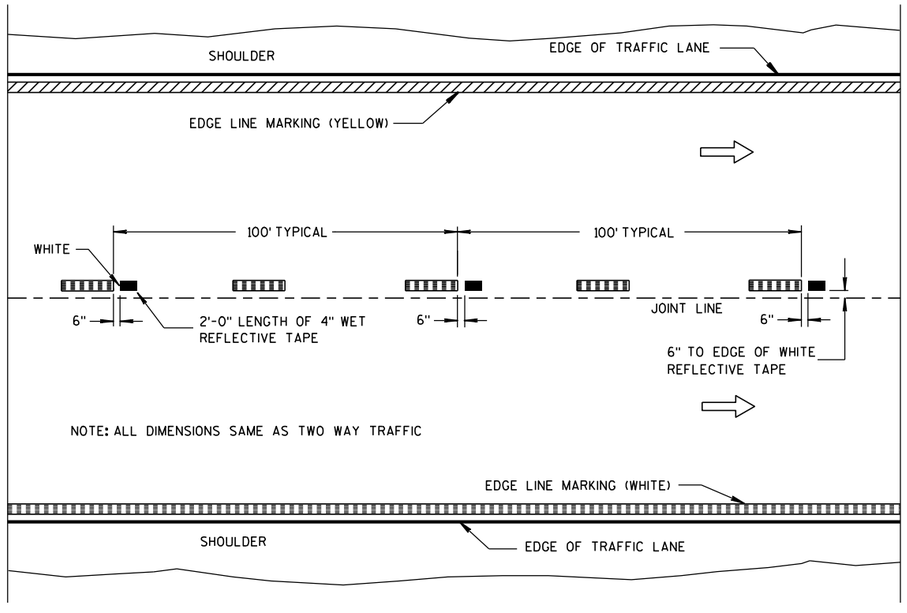


TWO WAY TRAFFIC

ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)



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
6-23-11 DATE
/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER

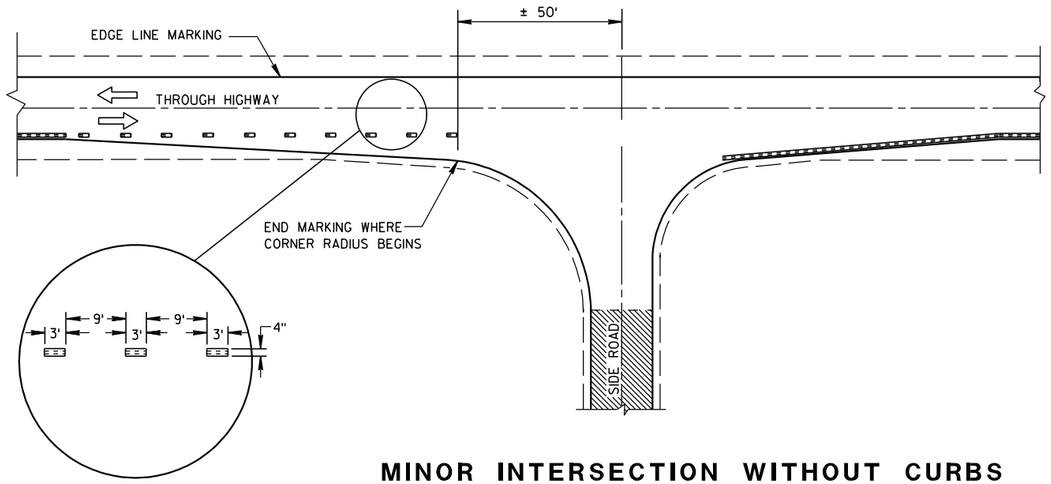
FHWA

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S.D.D. 15 C 8-14a

6

S.D.D. 15 C 8-14a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

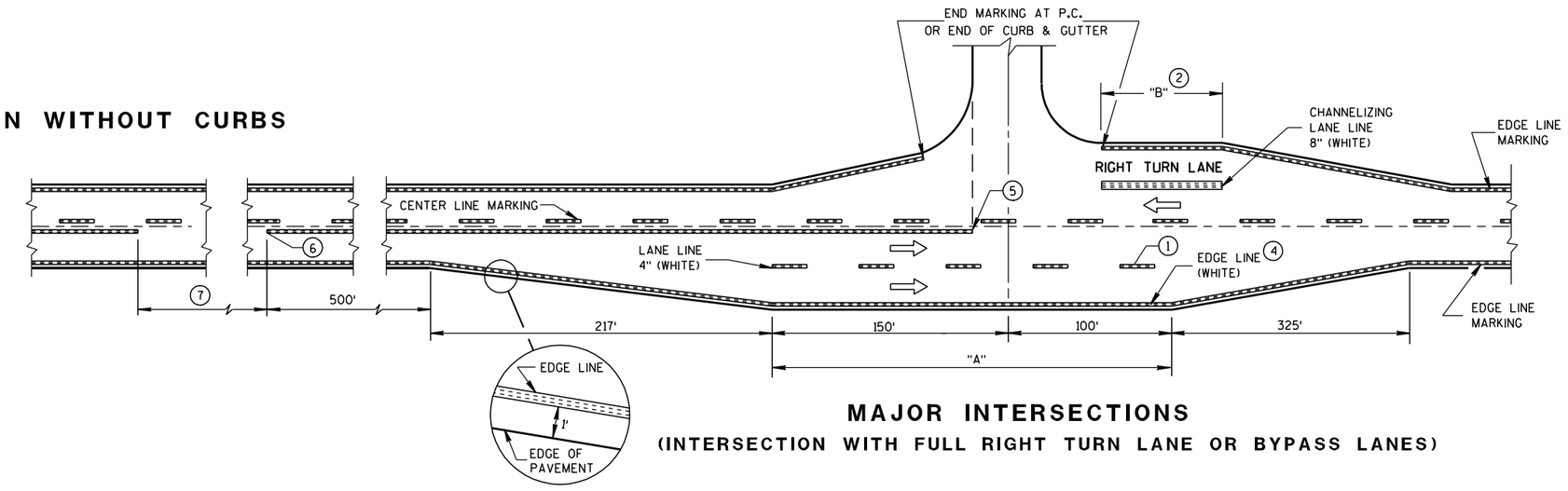
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

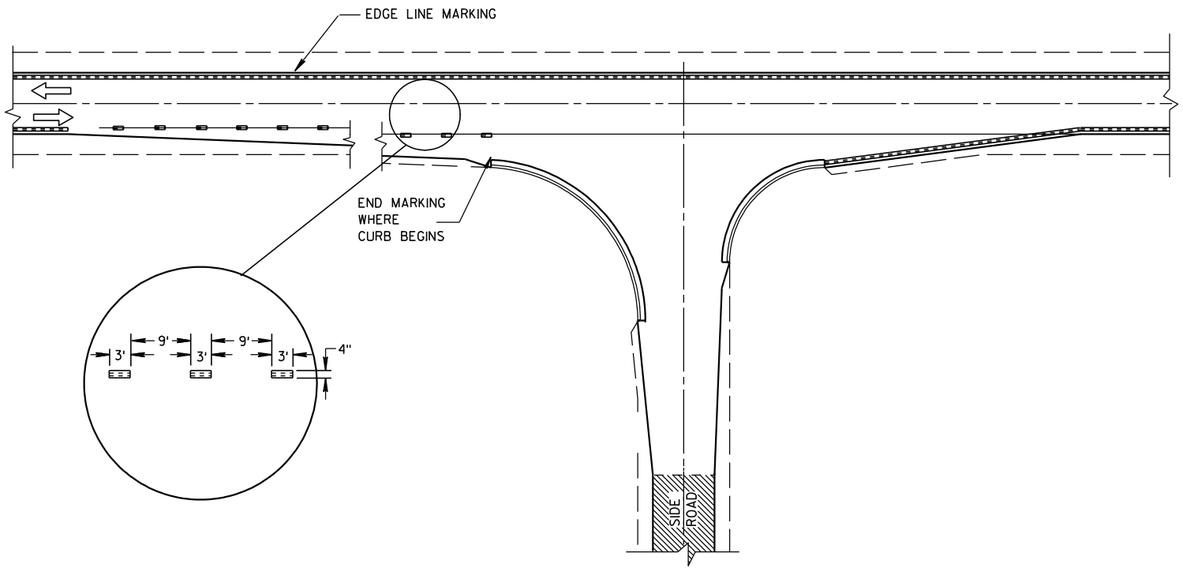
ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

(7)

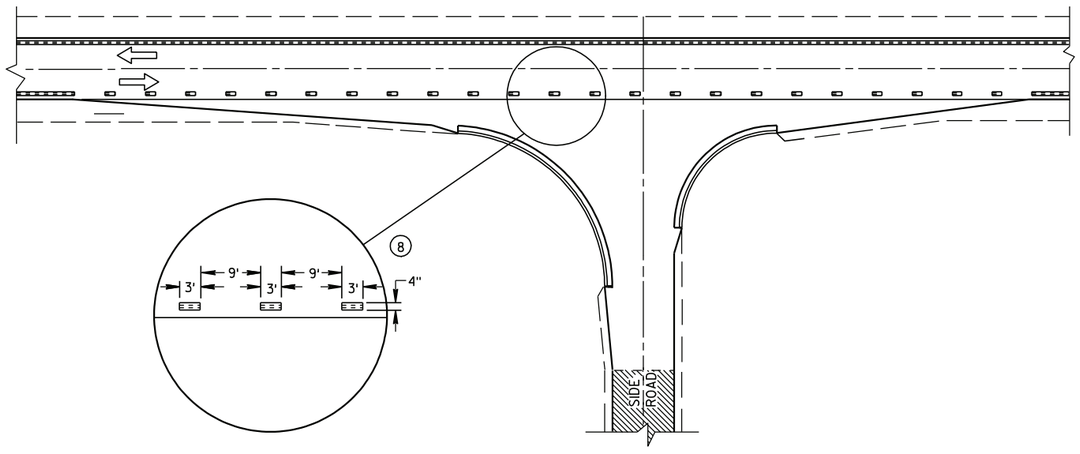
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS
(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING (INTERSECTIONS)

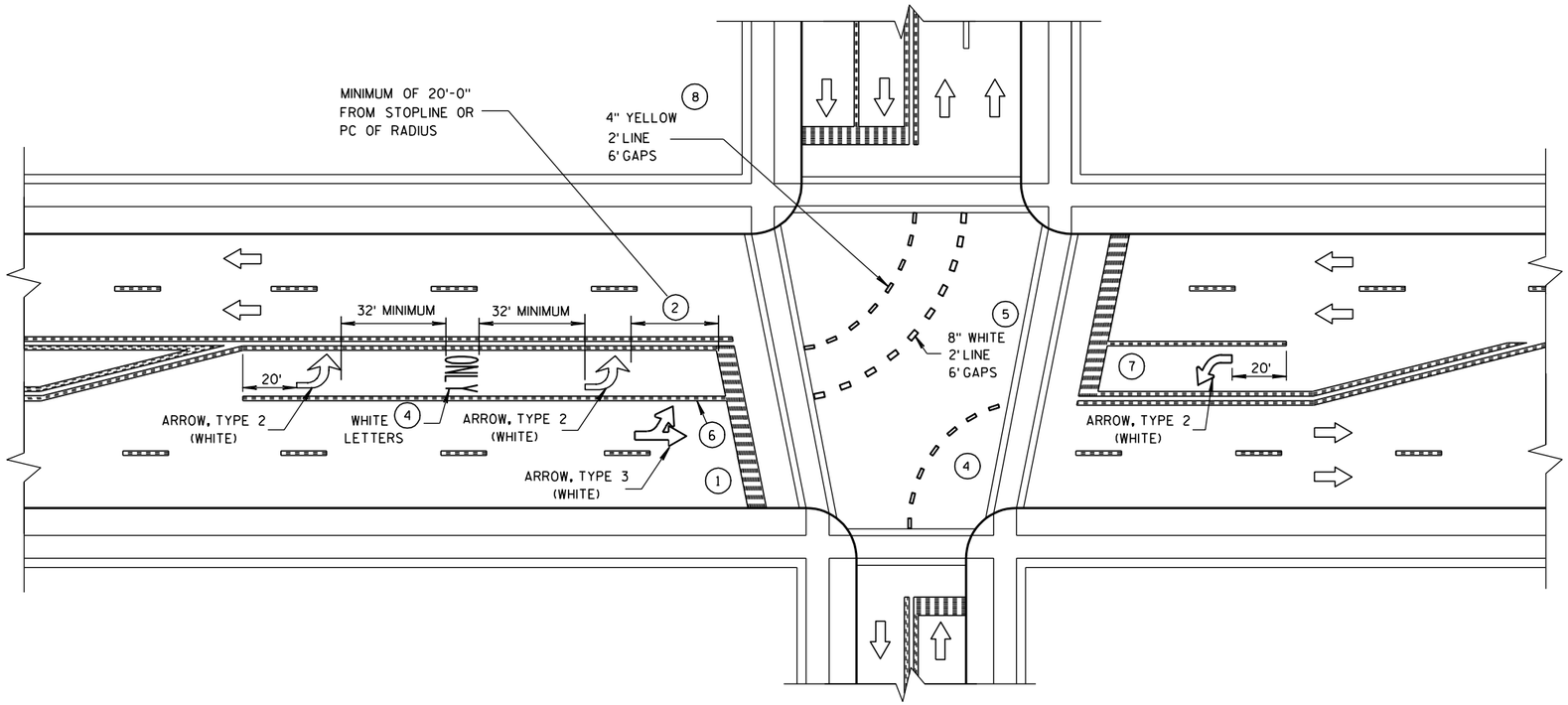
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 8-14b

6

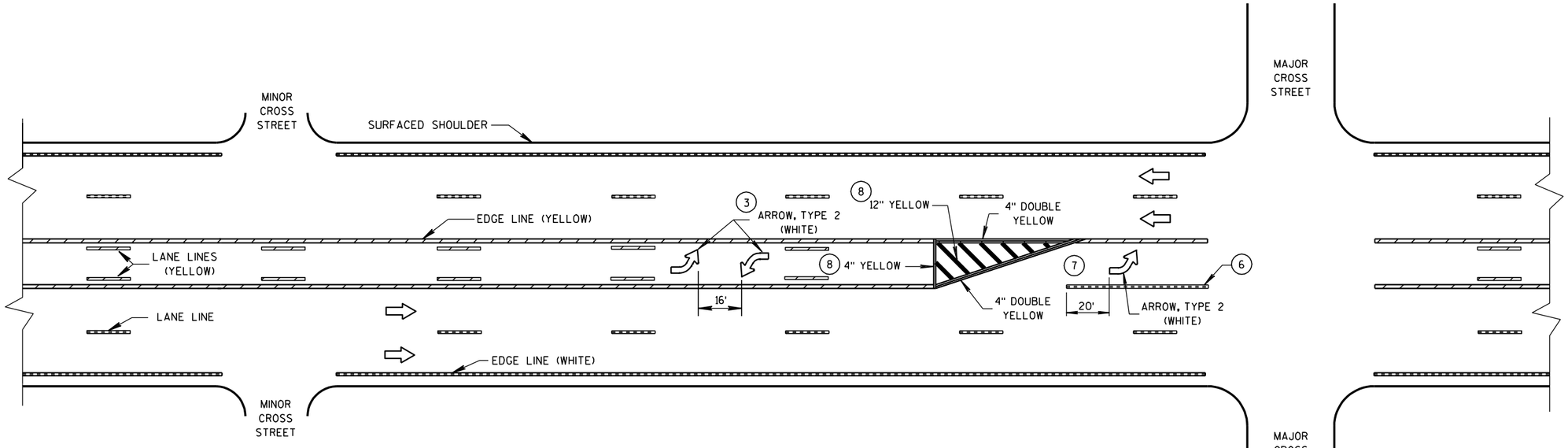
S.D.D. 15 C 8-14b



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



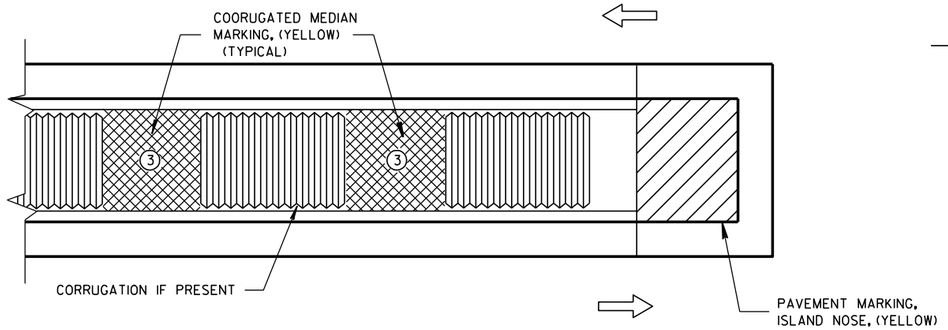
TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(LEFT TURN LANE)

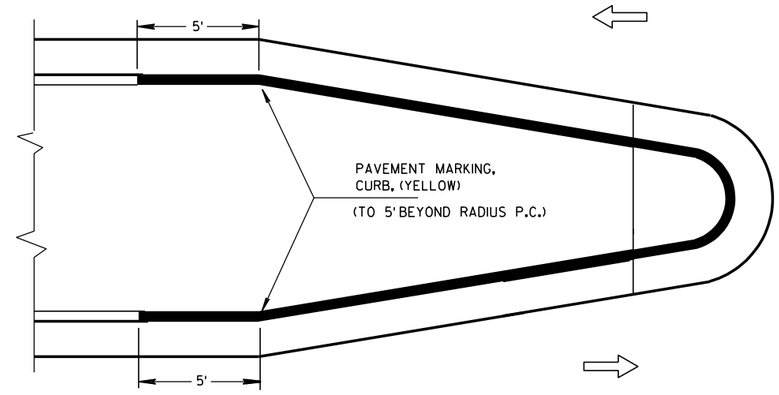
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

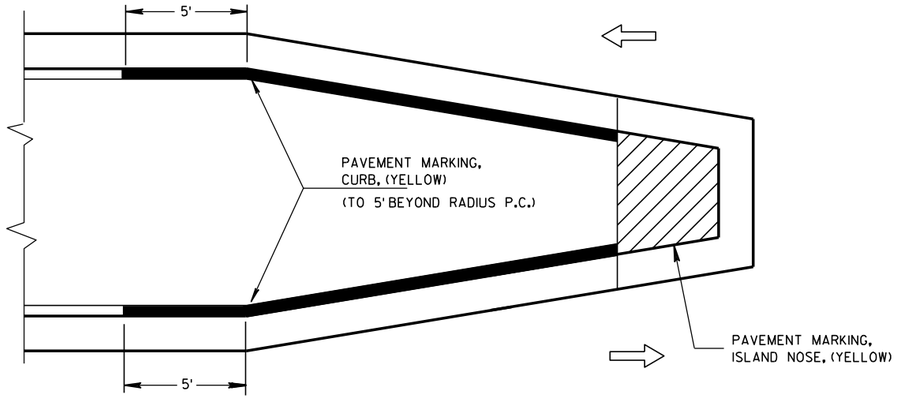
S.D.D. 15 C 8-14e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

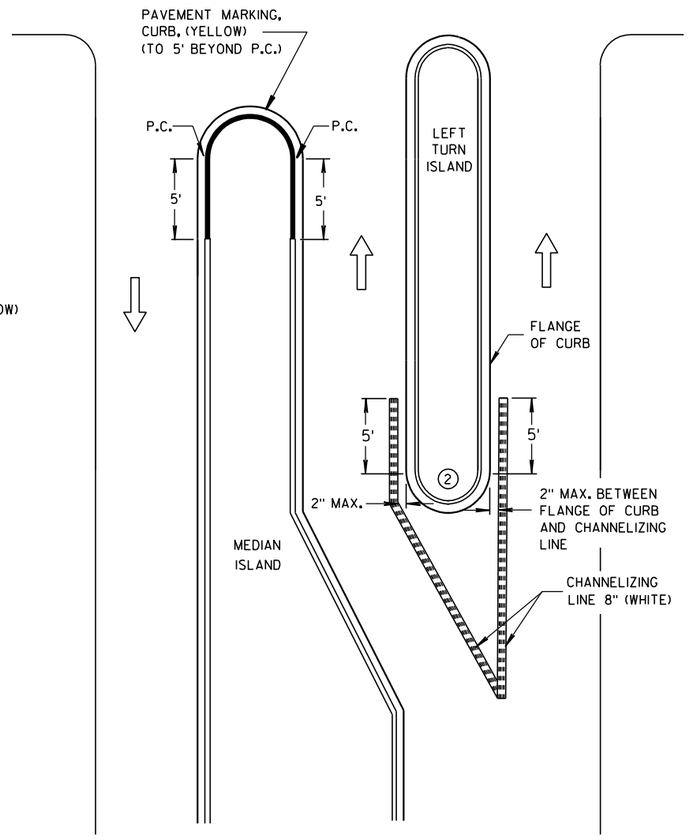


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

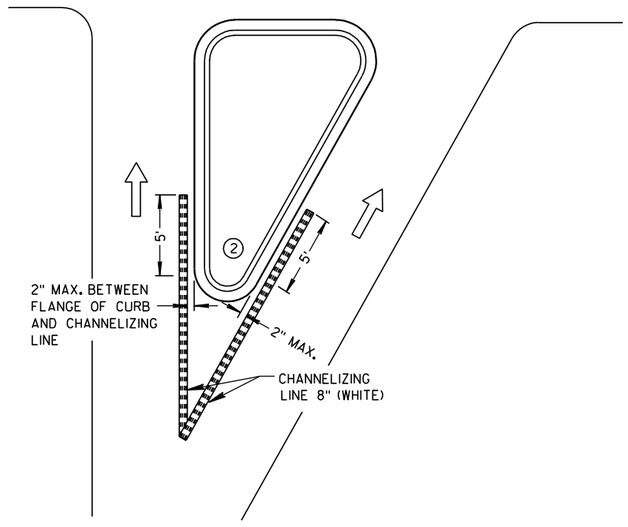
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



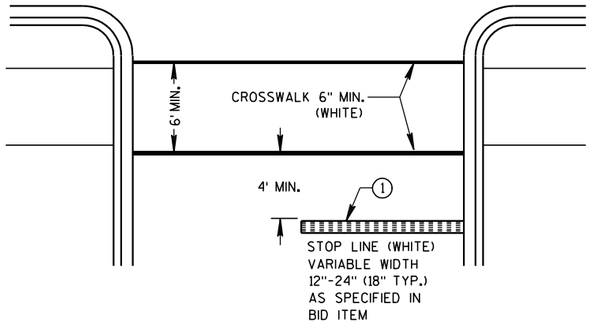
LEFT TURN & MEDIAN ISLAND

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)

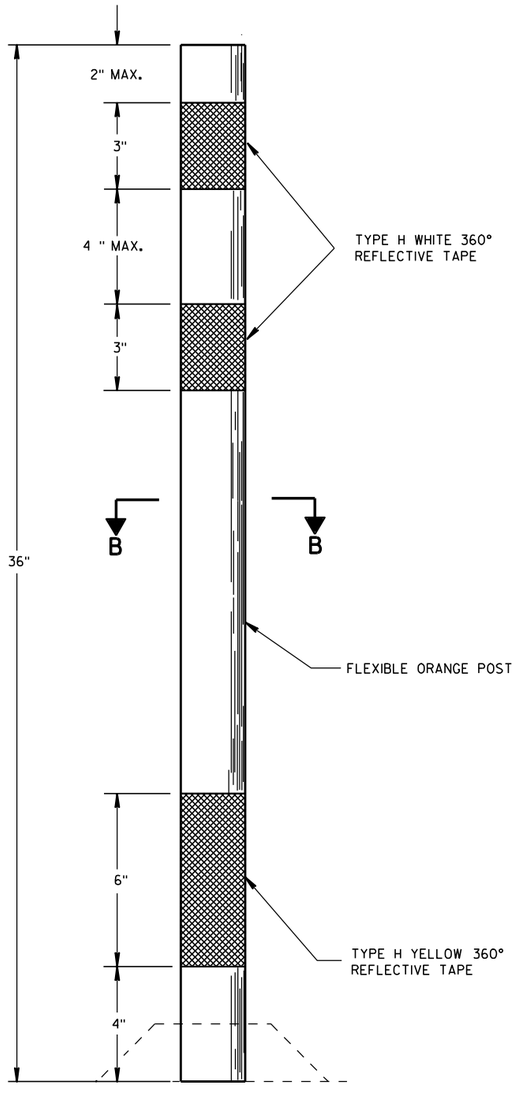
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

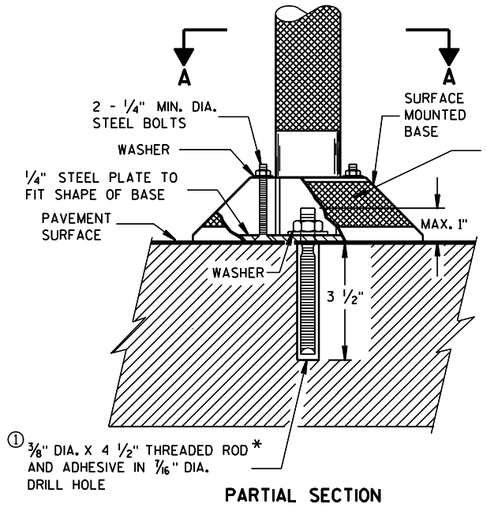
S.D.D. 15 C 8-14f

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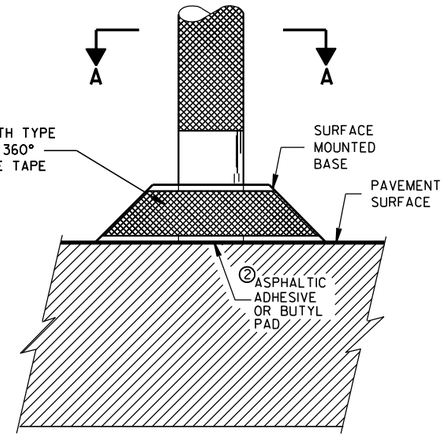
S.D.D. 15 C 8-14f



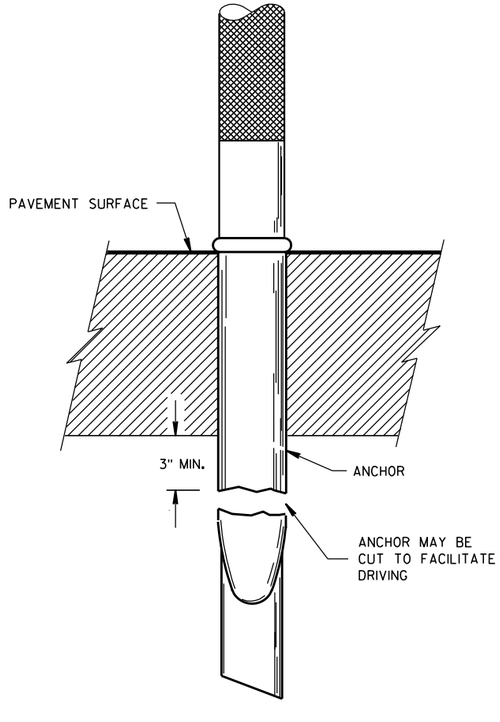
FLEXIBLE TUBULAR MARKER POST

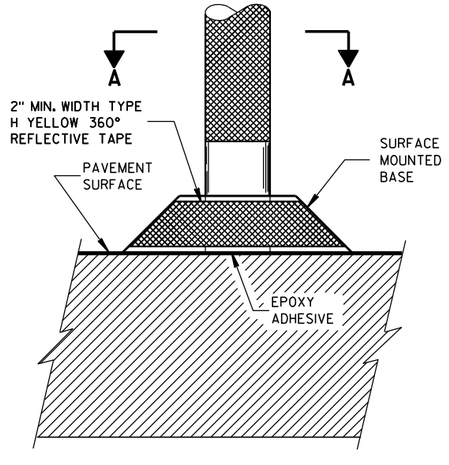


PARTIAL SECTION TO SHOW BOLTS



POST BASES ON NEW OR EXISTING PAVEMENT





POST ANCHOR AND BASE ON PAVEMENT WHICH WILL BE REMOVED

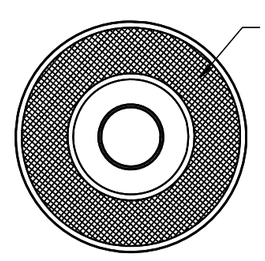
GENERAL NOTES

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.

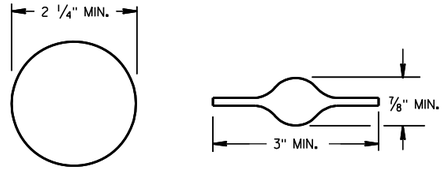
① THREADED ROD SHALL BE MACHINED DOWN TO 0.280 INCH DIA. 1 1/4 INCHES FROM THE TOP.

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

FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 2/17/94 DATE /S/ Chester J. [illegible] DIRECTOR, OFFICE O 460 FHWA

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S.D.D. 15 C 11-5

6

S.D.D. 15 C 11-5

TWO-LANE ROADWAY

SYMBOLS

WORK AREA

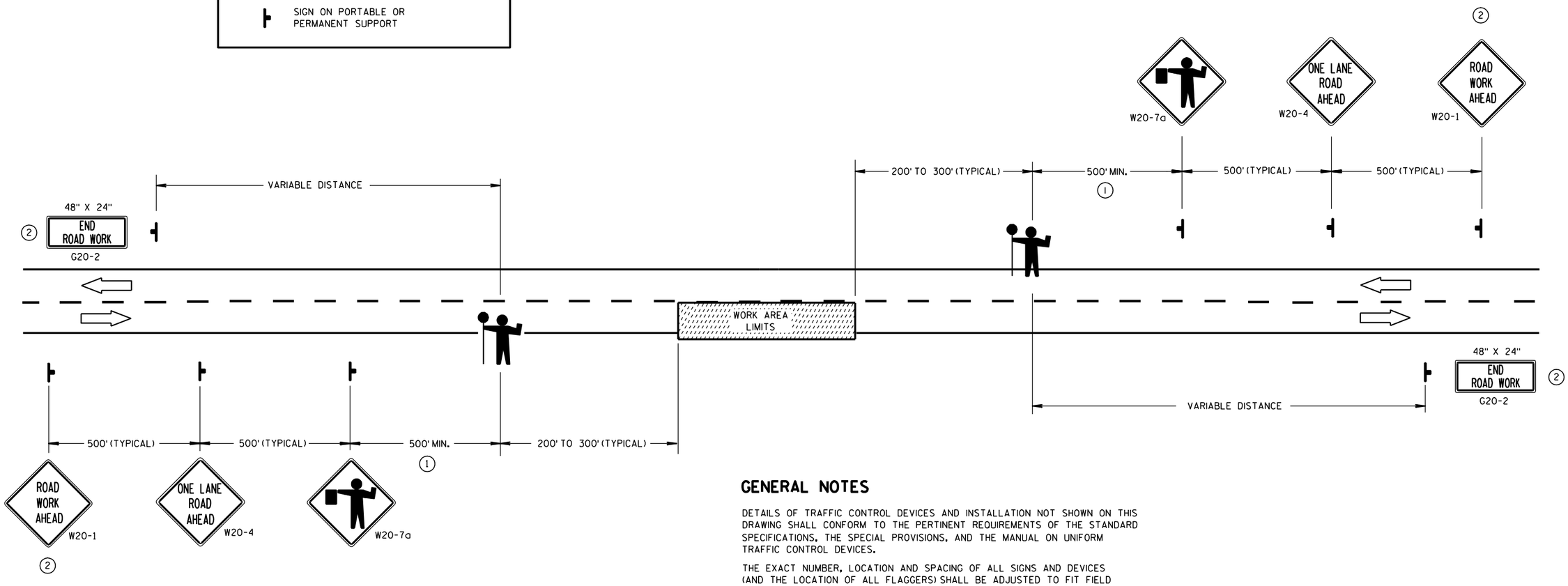
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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. Nathaam — STATE TRAFFIC ENGINEER

FHWA

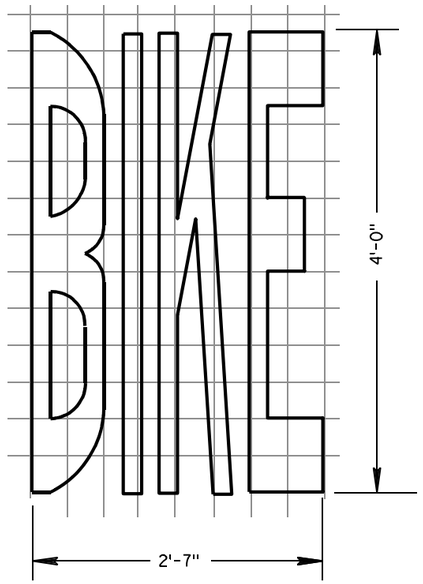
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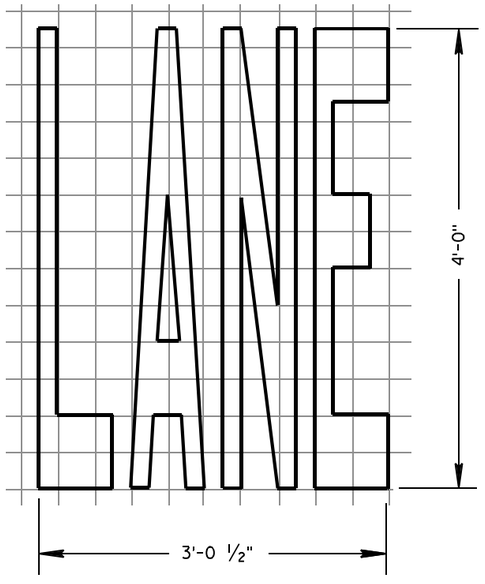
S.D.D. 15 C 12-3

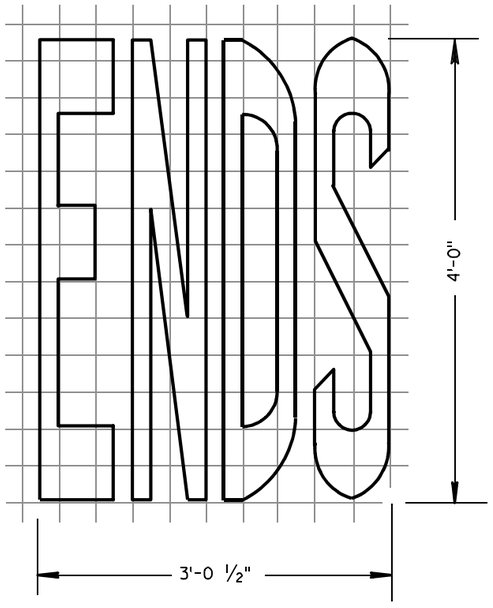
GENERAL NOTES

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

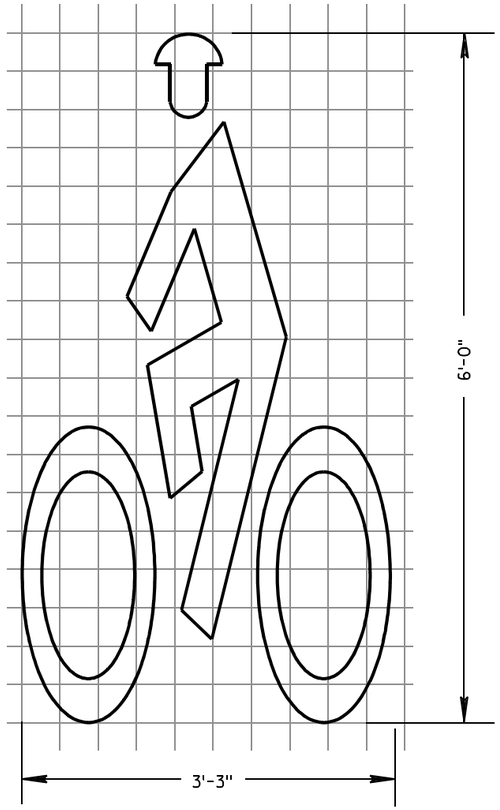
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



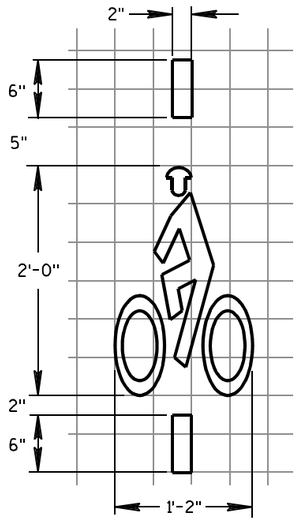




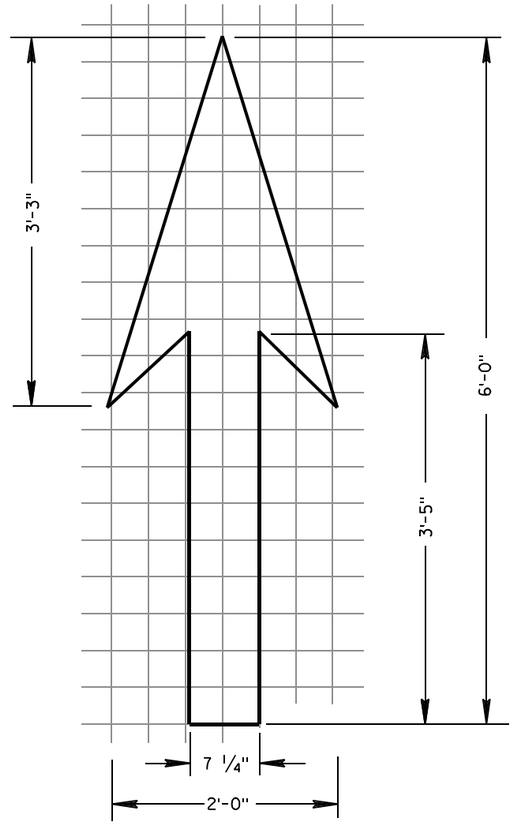
BIKE LANE WORDS



BIKE LANE SYMBOL



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE ARROW

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

2-6-2012 DATE

/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEER

FHWA

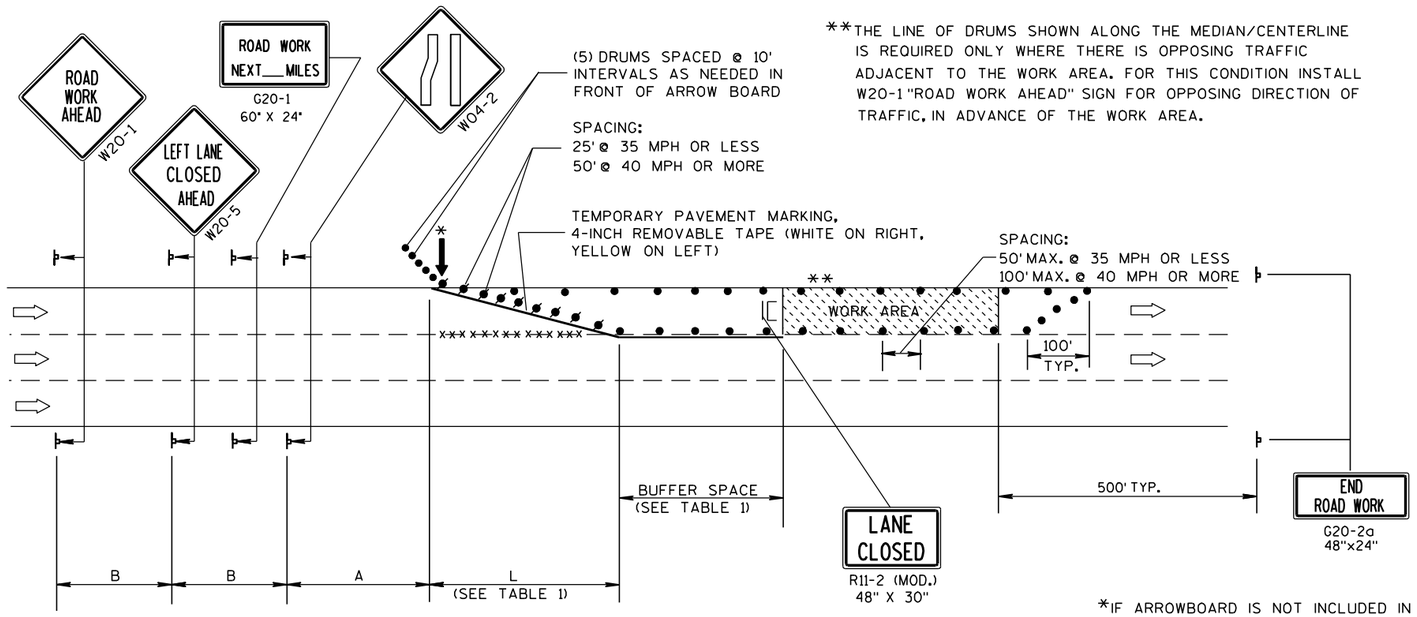
GN

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S.D.D. 15 C 29-2e

6

S.D.D. 15 C 29-2e



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

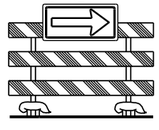


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- POST MOUNTED SIGN
- ARROW BOARD
- TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHTS, TYPE A (FLASHING) WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- xxxx REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

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

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

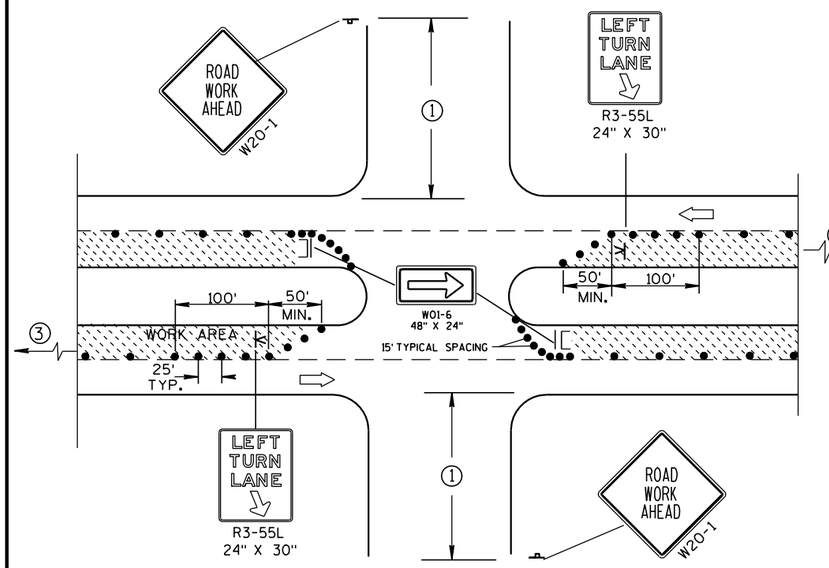
TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKINGS ENGINEER
FHWA

6

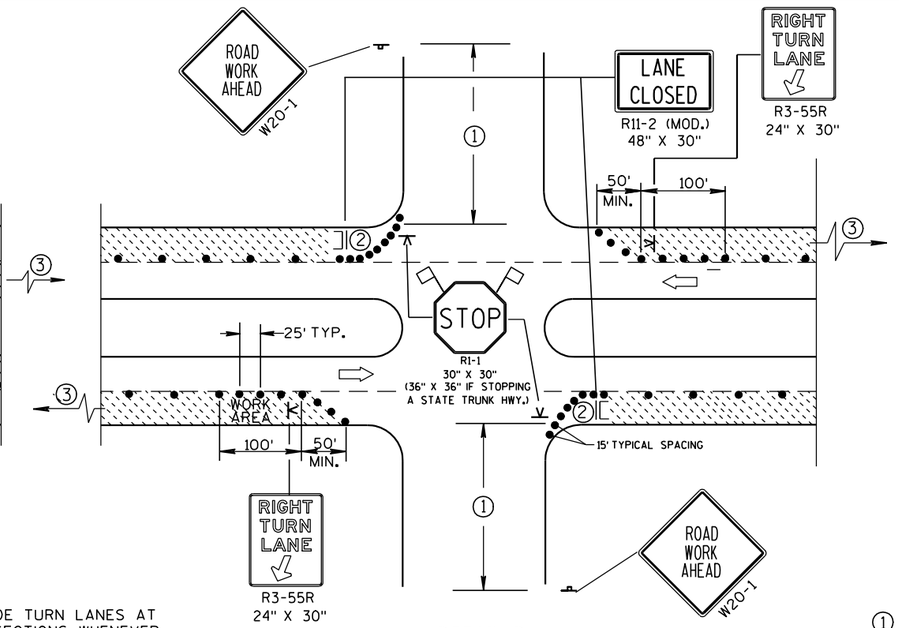
S.D.D. 15 D 20-1



DETAIL A

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

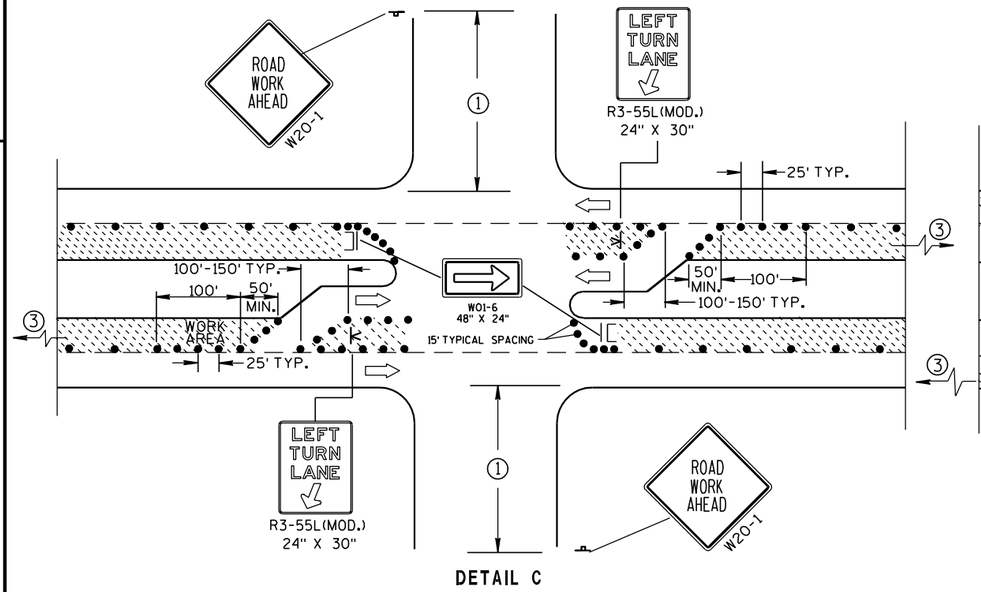
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

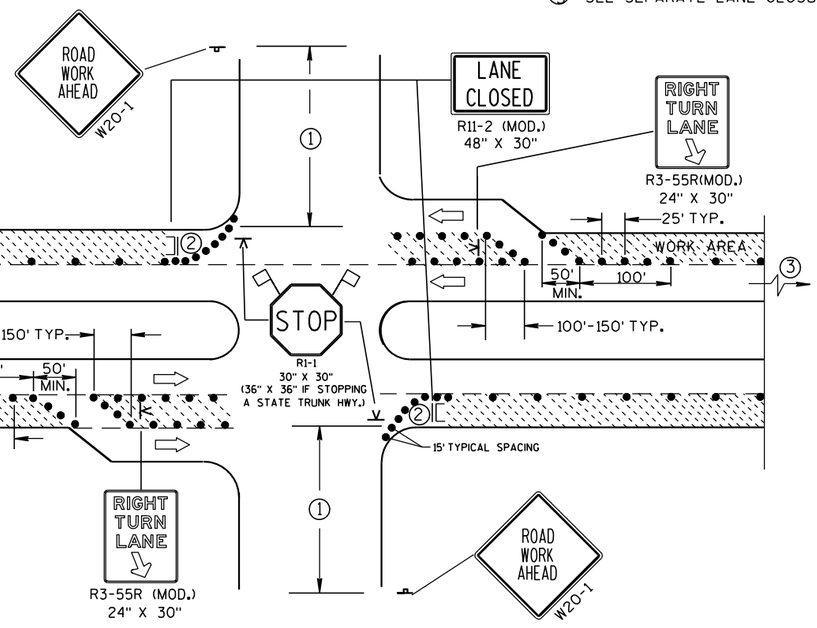
② ALSO USE BARRICADE AND 15' TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- DRUM
- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH SIGN
- DIRECTION OF TRAFFIC FLOW
- FLAGS, 16" X 16" MIN., ORANGE

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

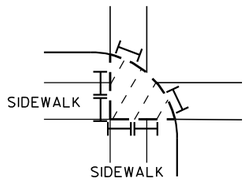
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

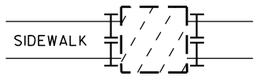
APPROVED
5/23/00 — DATE
/S/ Chester J. Spang — CHIEF SIGNS AND MARKINGS ENGINEER
FHWA

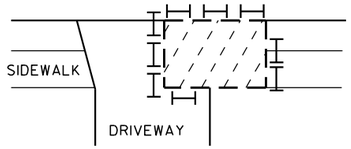
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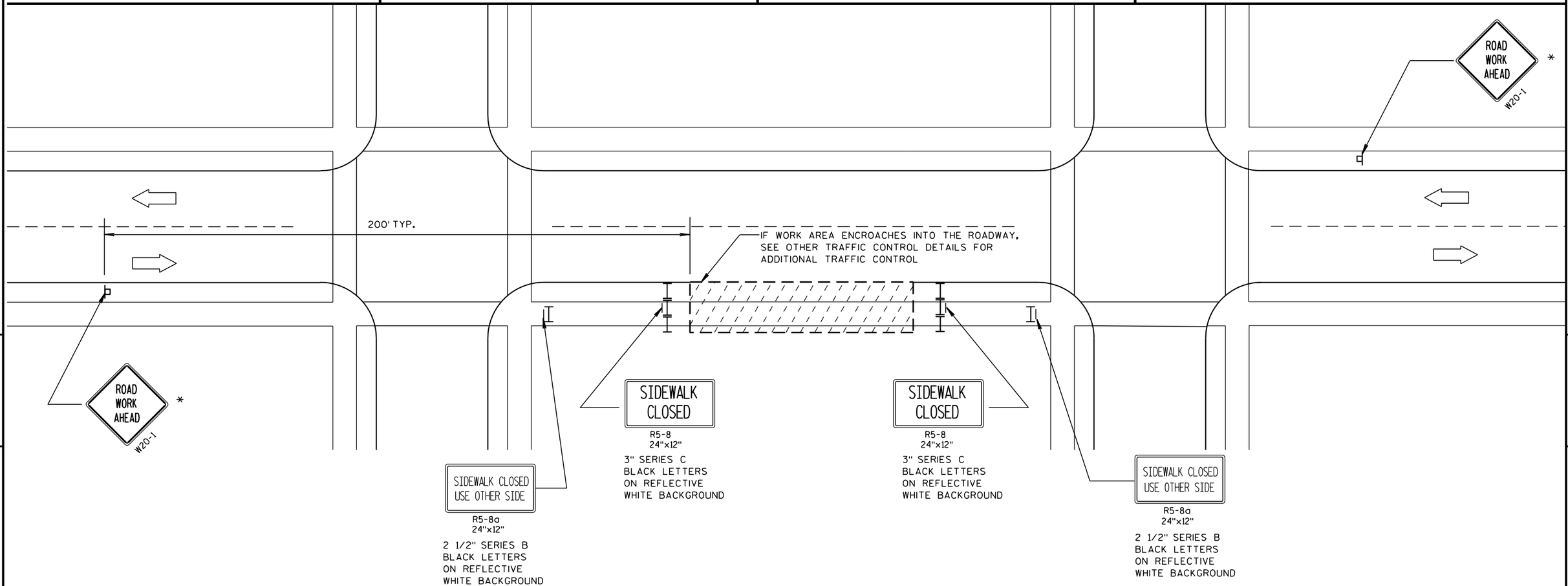
S.D.D. 15 D 21-1
S.D.D. 15 D 21-1

WARNING OF LOCALIZED SIDEWALK WORK AREAS









LEGEND

- POST MOUNTED SIGN
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

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

TRAFFIC CONTROL, SIDEWALK CLOSURE

TRAFFIC CONTROL, SIDEWALK CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

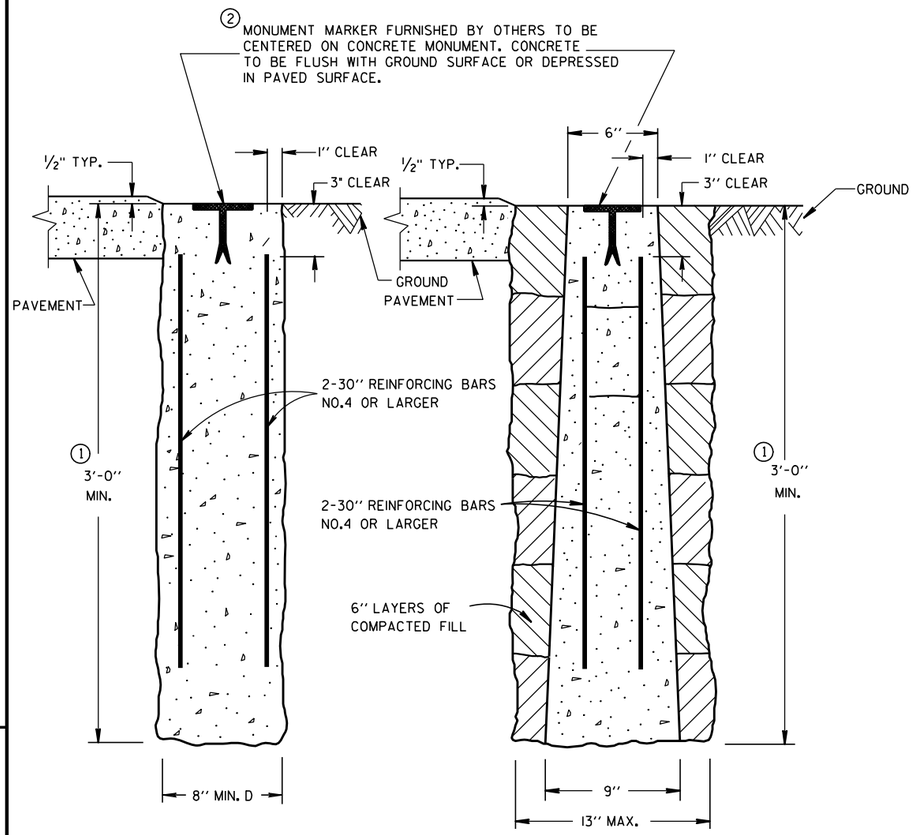
5/23/2000 DATE

/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER

FHWA

6

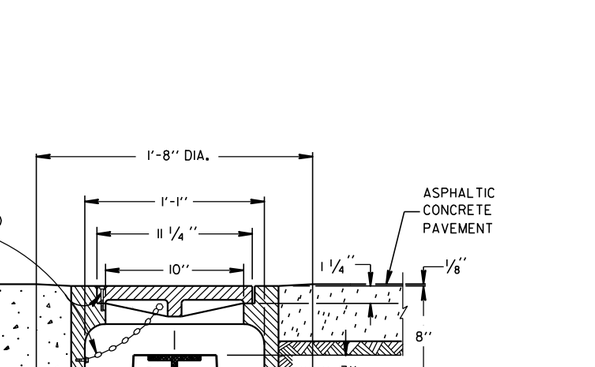
S.D.D. 15 D 30-1



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



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.

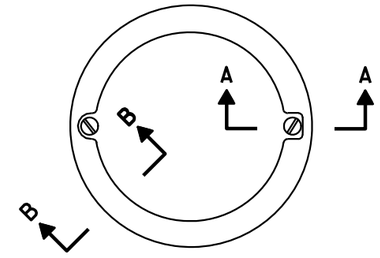
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

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.

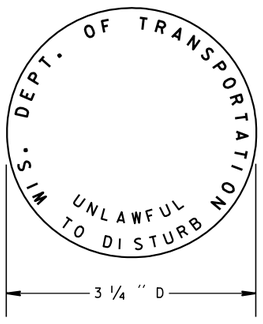
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

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.

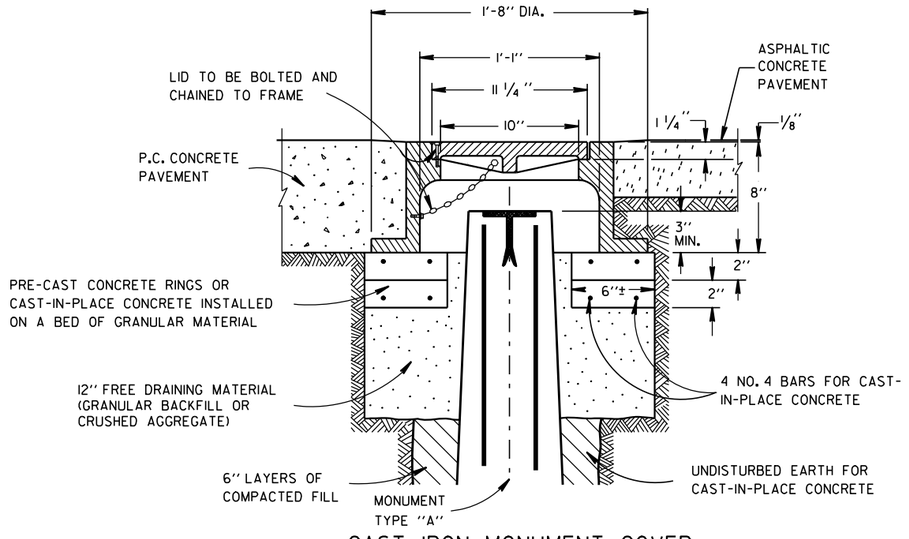


TOP VIEW



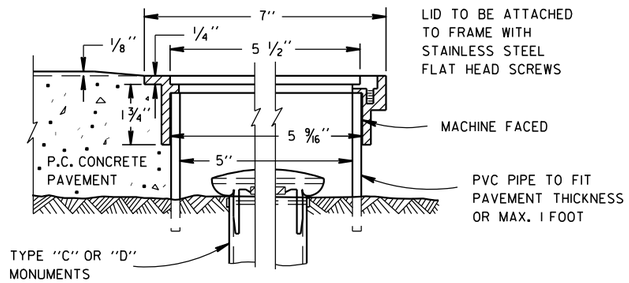
② WIS DOT MONUMENT MARKER LOGO

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 MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/22/1999 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

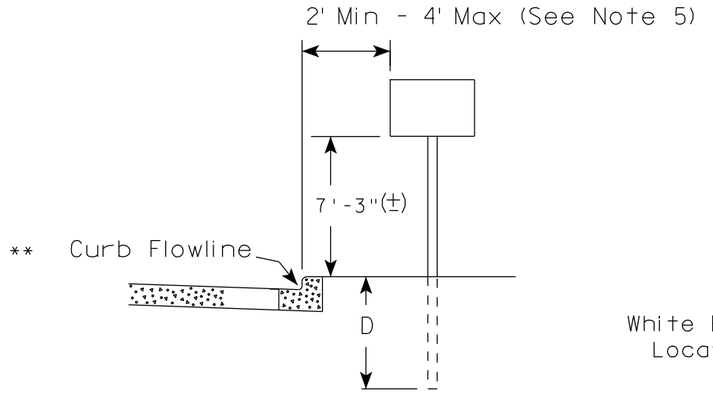
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S.D.D. 16 A 1-6

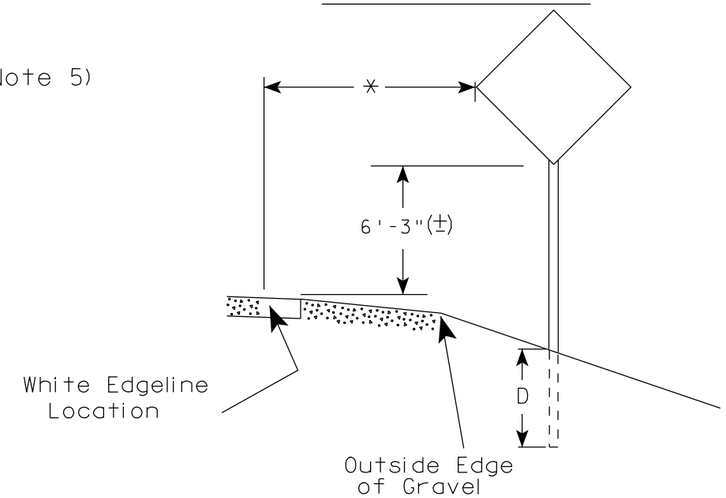
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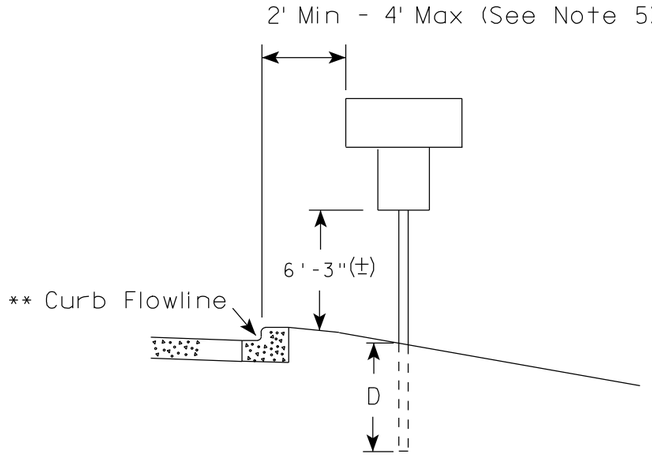
S.D.D. 16 A 1-6

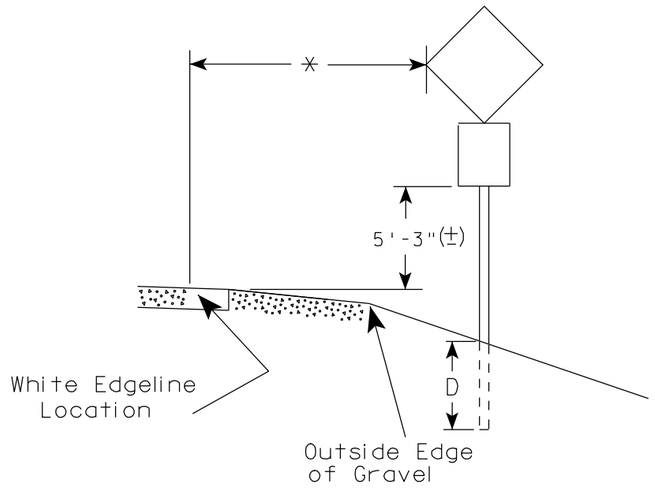
URBAN AREA



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

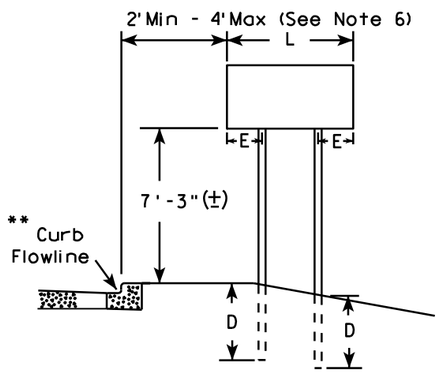
DATE 9/21/2011 PLATE NO. A4-3.16

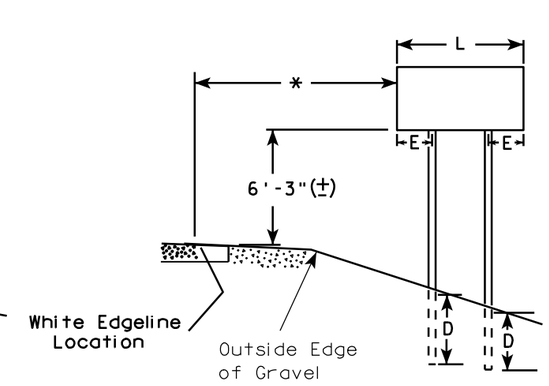
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7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 467	E

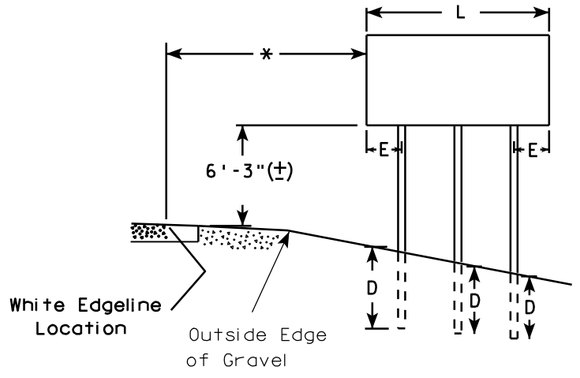
URBAN AREA

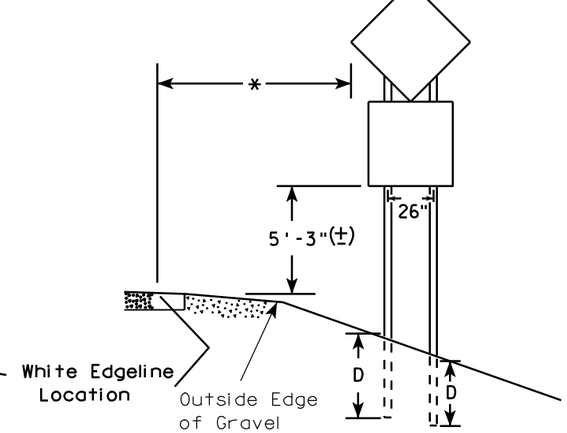




48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN

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.

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

***

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

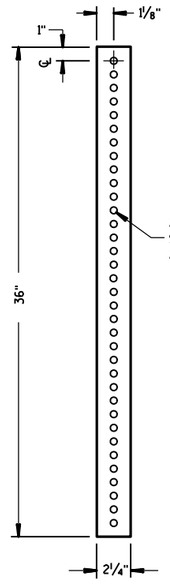
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

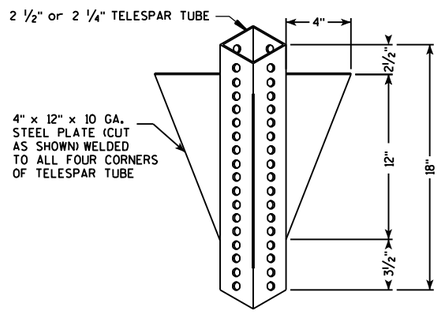
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 468	E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

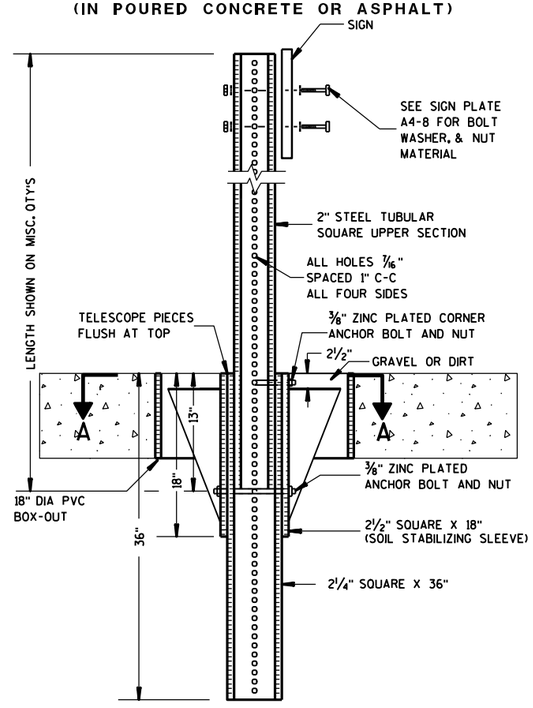
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



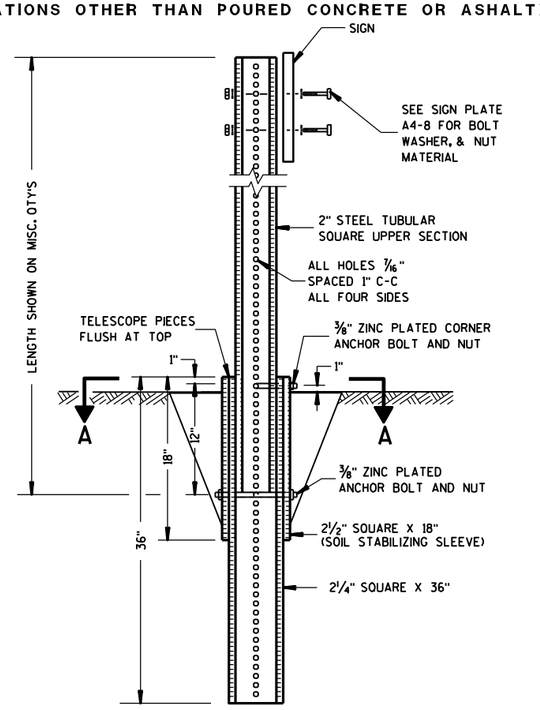
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

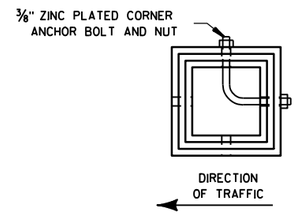


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

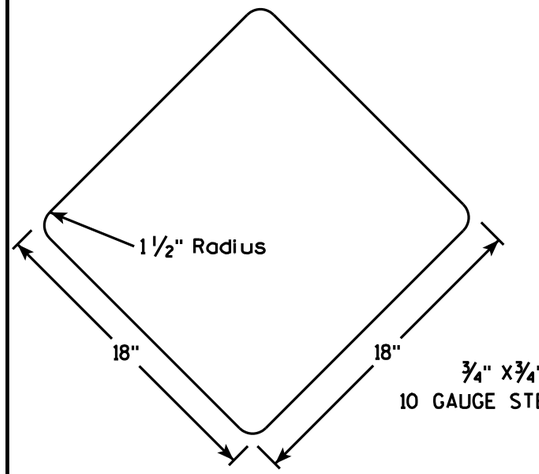
Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

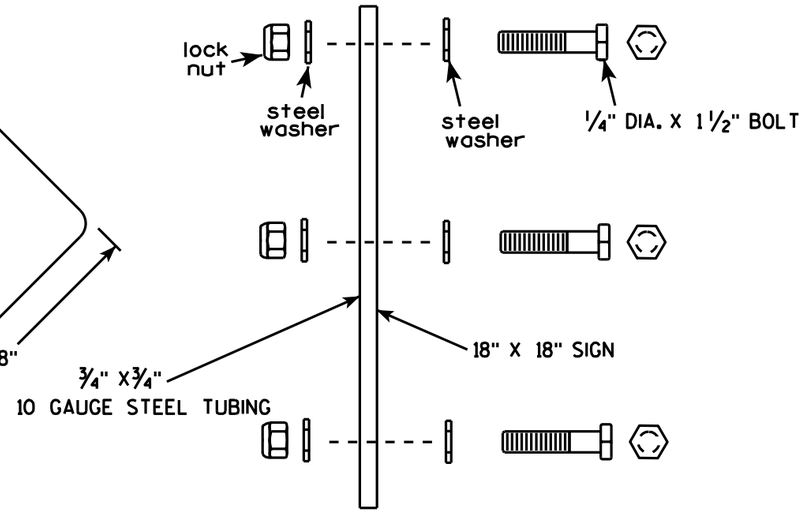
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 5/30/12 PLATE NO. A4-9.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 469	E



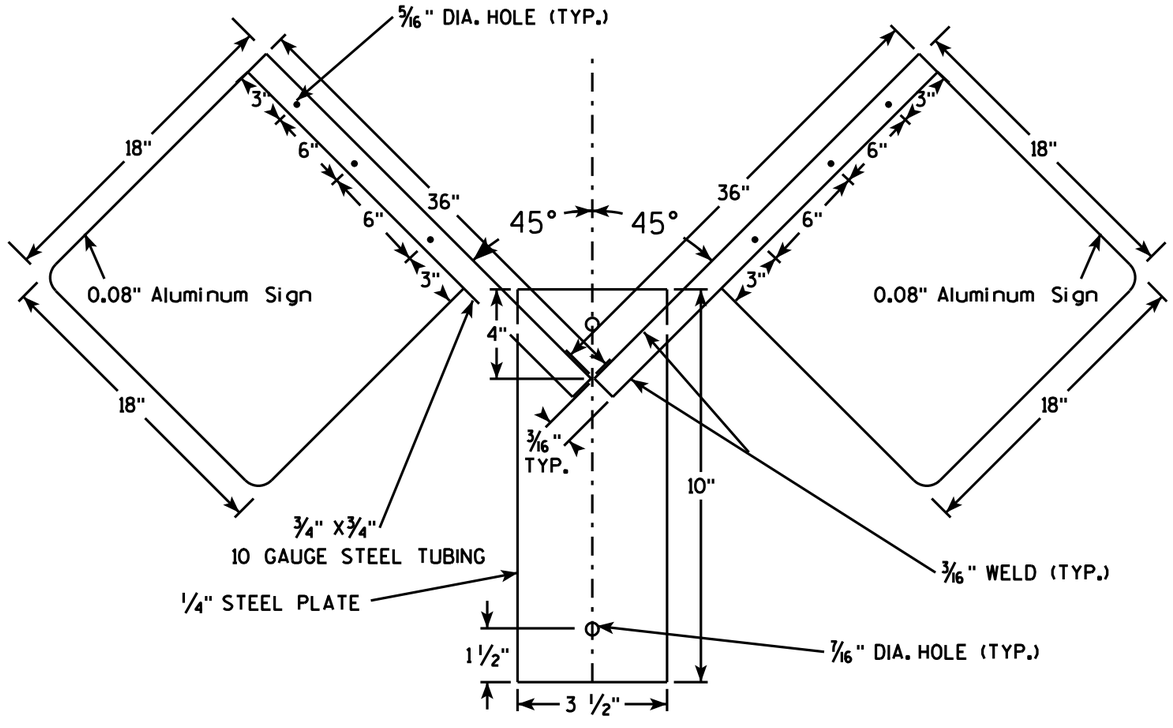
SIGN DETAIL



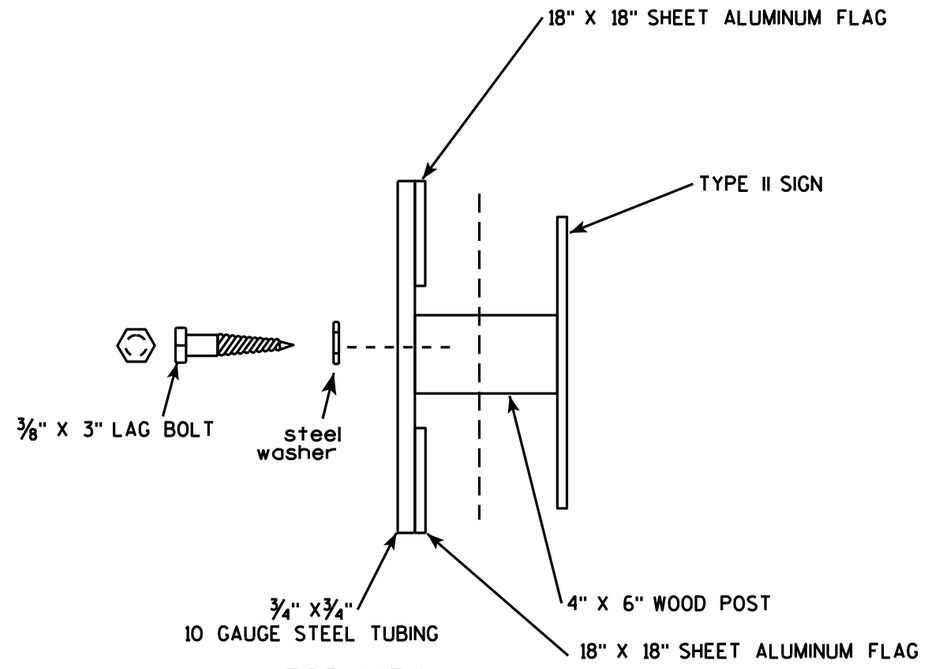
FLAG BOLTING PROCEDURE

GENERAL NOTES

1. ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION.
2. SEE SIGN PLATE A4-8 FOR HARDWARE REQUIREMENTS.
3. SIGN IS TYPE II, TYPE F REFLECTIVE- REFERENCE WisDOT STANDARD. SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.
4. SIGN COLOR - ORANGE
5. SIGN CORNERS SHALL BE ROUNDED
6. BRACKET SHALL BE ENTIRELY PRIMED AND PAINTED WITH TWO COATS OF A BLACK POWDER COATED ENAMEL PAINT.



BACK VIEW



TOP VIEW

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGN FLAGS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/29/2012 PLATE NO. A4-15.1

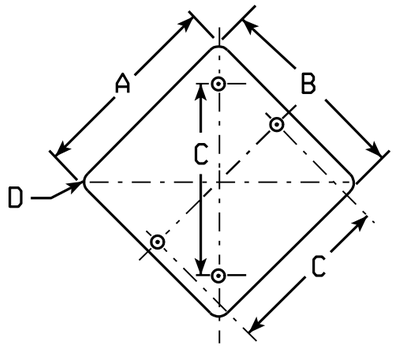
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 470	E

FILE NAME : c:\CAEFiles\Projects\tr_stdplate\A415.dgn PLOT DATE : 29-FEB-2012 13:20 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.060062:1.000000

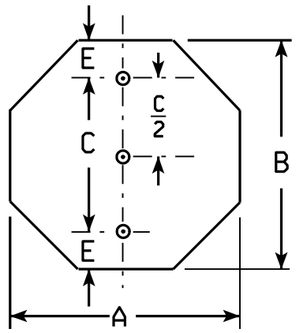
WISDOT/CADDS SHEET 42

7

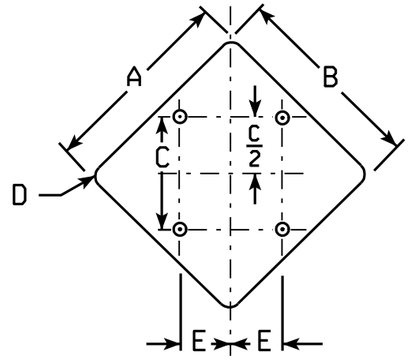
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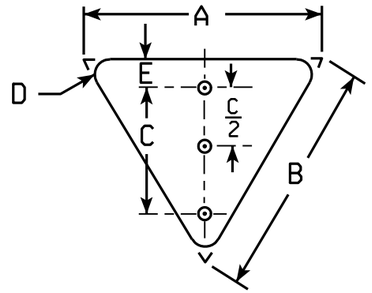
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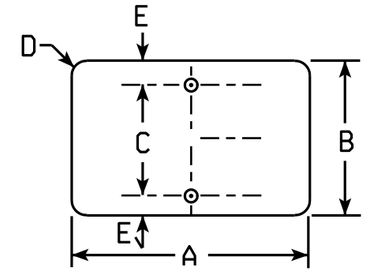
2



3



4



5

TYPE 1						
A	B	C	D	Area Sq. Ft.	THICK NESS	Mounting Holes
24	24	24	1 1/2	4.0	.080	2
30	30	30	1 7/8	6.25	.080	2
36	36	36	2 1/4	9.0	.100	2

TYPE 2						
A	B	C	E	Area Sq. Ft.	THICK NESS	Mounting Holes
24	24	20	2	3.31	.080	2
30	30	24	3	5.18	.100	2
36	36	28	4	7.46	.125	2
48	48	36	6	13.25	.125	3

TYPE 3							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
48	48	26	3	13	16.0	.125	4

TYPE 4							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
36	36	24	2	2	3.9	.100	2
48	48	32	3	3	7.0	.125	2

TYPE 5							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
8	8	6	1 1/2	1	0.44	.080	2
12	12	9	1 1/2	1 1/2	1.00	.080	2
18	18	14	1 1/2	2	2.25	.080	2
21	15	11	1 1/2	2	2.19	.080	2
21	21	17	1 1/2	2	3.06	.080	2
24	12	8	1 1/2	2	2.0	.080	2
24	18	14	1 1/2	2	3.0	.080	2
24	24	20	1 1/2	2	4.0	.080	2
30	12	8	1 1/2	2	2.5	.080	2
30	15	11	1 1/2	2	3.13	.080	2
30	18	14	1 1/2	2	3.75	.080	2
30	21	17	1 1/2	2	4.37	.080	2
30	24	20	1 1/2	2	5.0	.080	2

TYPE 5 CONT'D.							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
30	30	22	1 7/8	4	6.25	.080	2
36	12	8	1 1/2	2	3.0	.100	2
36	18	14	1 1/2	2	4.5	.100	2
36	24	20	1 1/2	2	6.0	.100	2
36	36	26	2 1/4	5	9.0	.100	2
40	18	14	1 1/2	2	5.00	.100	2
42	30	22	1 7/8	4	8.75	.125	2

NOTES

1. All sign blanks shall have 7/16" Diameter mounting hole.

STANDARD LAYOUT OF ALUMINUM SIGN BLANKS

SHEET 1 OF 3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch

for State Traffic Engineer

DATE 3/5/2012

PLATE NO. A5-3A.19

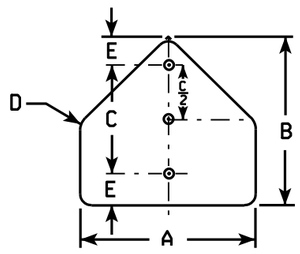
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 471 | E

FILE NAME : c:\CAEFiles\Projects\tr_stdplate\A53.DGN PLOT DATE : 05-MAR-2012 14:49 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.986348:1.000000

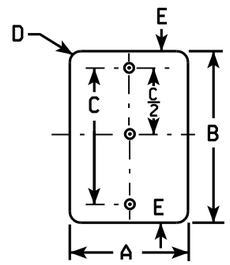
WISDOT/CADDS SHEET 42

7

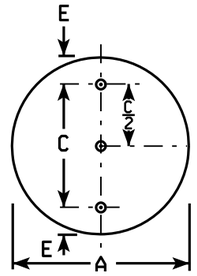
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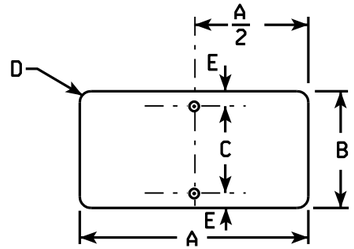
6



7



8



9

TYPE 6							
A	B	C	D	E	Area Sq. Ft	THICK NESS	Mounting Holes
30	30	24	1 3/8	3	4.68	.080	2
36	36	26	1 5/8	5	6.75	.100	2
48	48	32	1 7/8	8	12.0	.125	3

TYPE 7							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
12	18	15	1 1/2	1 1/2	1.5	.080	2
12	24	20	1 1/2	2	2.0	.080	2
12	36	24	1 1/2	6	3.0	.100	2
12	48	32	1 1/2	8	4.0	.125	3
15	21	18	1 1/2	1 1/2	2.19	.080	2
18	24	20	1 1/2	2	3.0	.080	2
18	36	24	1 1/2	6	4.5	.100	2
18	54	36	2 1/2	9	6.75	.080	3
21	60	40	1 1/2	10	8.75	.080	3
21	72	52	1 1/2	10	10.5	.080	3
24	30	22	1 1/2	4	5.0	.080	2
24	36	24	1 1/2	6	6.0	.100	2
24	39	27	1 1/2	6	6.5	.080	3
24	45	32	1 7/8	6	7.5	.080	3
24	48	32	1 7/8	8	8.0	.125	3
24	57	37	1 7/8	10	9.5	.080	3
36	48	32	1 7/8	8	12.0	.125	3
36	54	36	1 7/8	9	12.75	.100	3
36	57	37	1 7/8	10	14.25	.100	3
48	39	27	1 7/8	10	13.0	.125	3
48	45	32	1 7/8	10	14.0	.125	3
48	57	37	3	6	19.0	.125	3
48	60	40	3	7	20.0	.125	3

TYPE 8						
A	B	C	E	Area Sq. Ft.	THICK NESS	Mounting Holes
30	—	24	3	4.91	.080	2
36	—	26	5	7.07	.100	2
48	—	32	8	12.5	.125	3

TYPE 9							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
48	24	20	1 7/8	2	8.0	.125	2

NOTES

1. All sign blanks shall have 7/16" Diameter mounting holes.

7

7

STANDARD LAYOUT OF ALUMINUM SIGN BLANKS

SHEET 2 OF 3

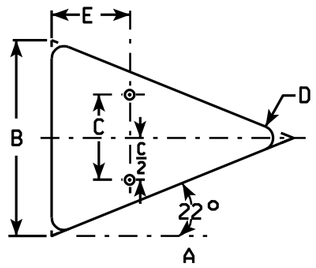
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

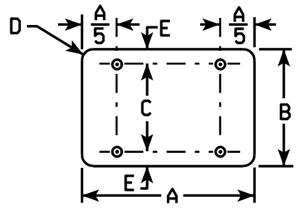
for State Traffic Engineer

DATE 3/5/2012 PLATE NO. A5-3A.19

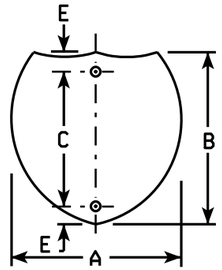
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 472	E



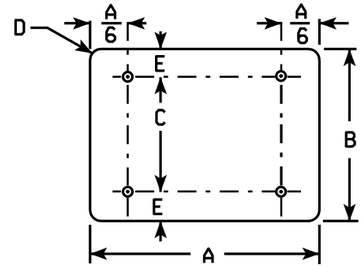
10



11



12



13

TYPE 10 (NOTE 1)							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
48	36	14	2¼	16	6.0	.125	2

TYPE 11							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
48	48	32	3	8	16.0	.125	4

TYPE 12 (NOTE 2)						
A	B	C	E	Area Sq. Ft.	THICK NESS	Mounting Holes
24	24	18	3	3.13	.080	2
30	24	18	3	3.91	.080	2
36	36	28	4	7.03	.100	2
45	36	28	4	8.79	.125	2

TYPE 13							
A	B	C	D	E	Area Sq. Ft.	THICK NESS	Mounting Holes
48	48	32	3	8	16.0	.125	4
48	60	40	3	10	20.0	.125	4
48	24	20	1⅞	2	8.0	.125	4
48	30	22	1⅞	4	10.0	.125	4
60	24	20	1⅞	2	10.0	.125	4
60	30	22	1⅞	4	12.5	.125	4

NOTES

1. Dimension A on type #10 is measured to the theoretical intersections of the edges.
2. Shape of type #12 shall conform to FHWA standard for Interstate route markers.

STANDARD LAYOUT OF ALUMINUM SIGN BLANKS

SHEET 3 OF 3

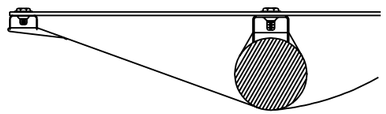
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

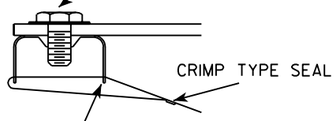
DATE 3/5/2012 PLATE NO. A5-3A.19

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 473	E

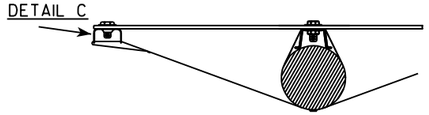
BRACE BANDING

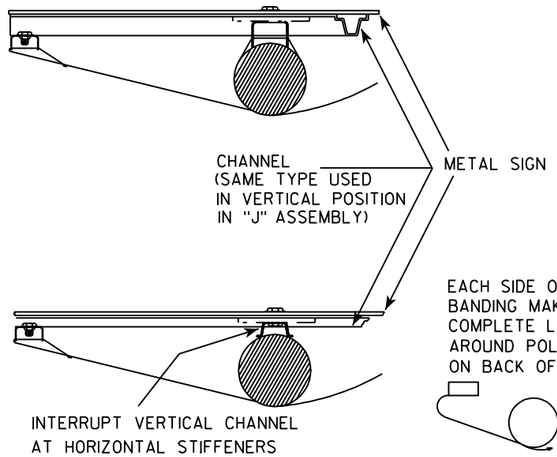


DETAIL C
CADMIUM PLATED STEEL BOLT
THROUGH BLACK BORDER



DETAIL C

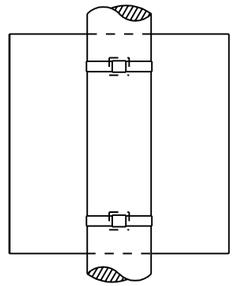


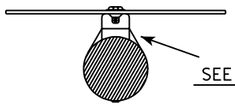


EACH SIDE OF BRACE
BANDING MAKES ONE
COMPLETE LOOP
AROUND POLE-SEAL
ON BACK OF POLE

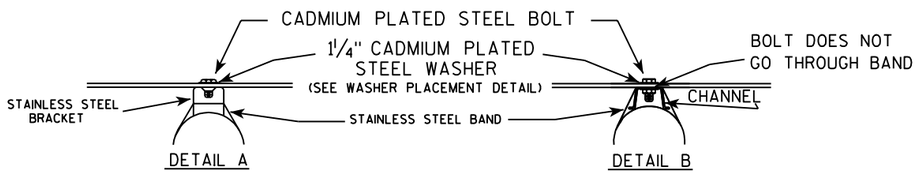
BRACKET BANDING

SINGLE SIGN

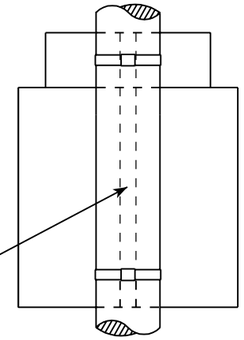




SEE DETAIL A



"J" ASSEMBLY

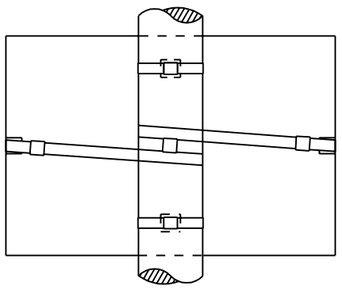


CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

SEE DETAIL B

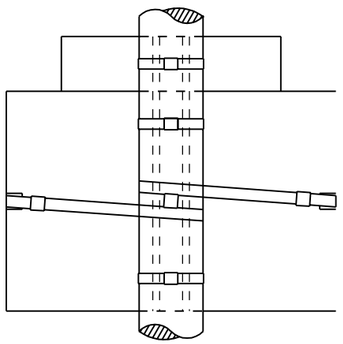
GENERAL NOTES

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.

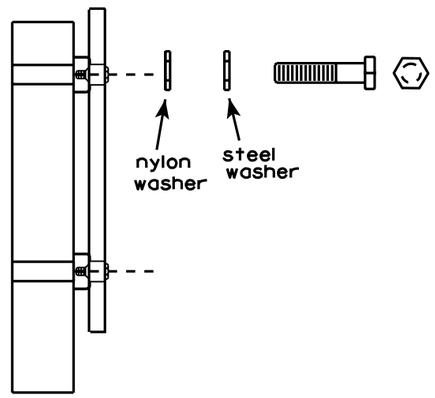


BRACE BANDING

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

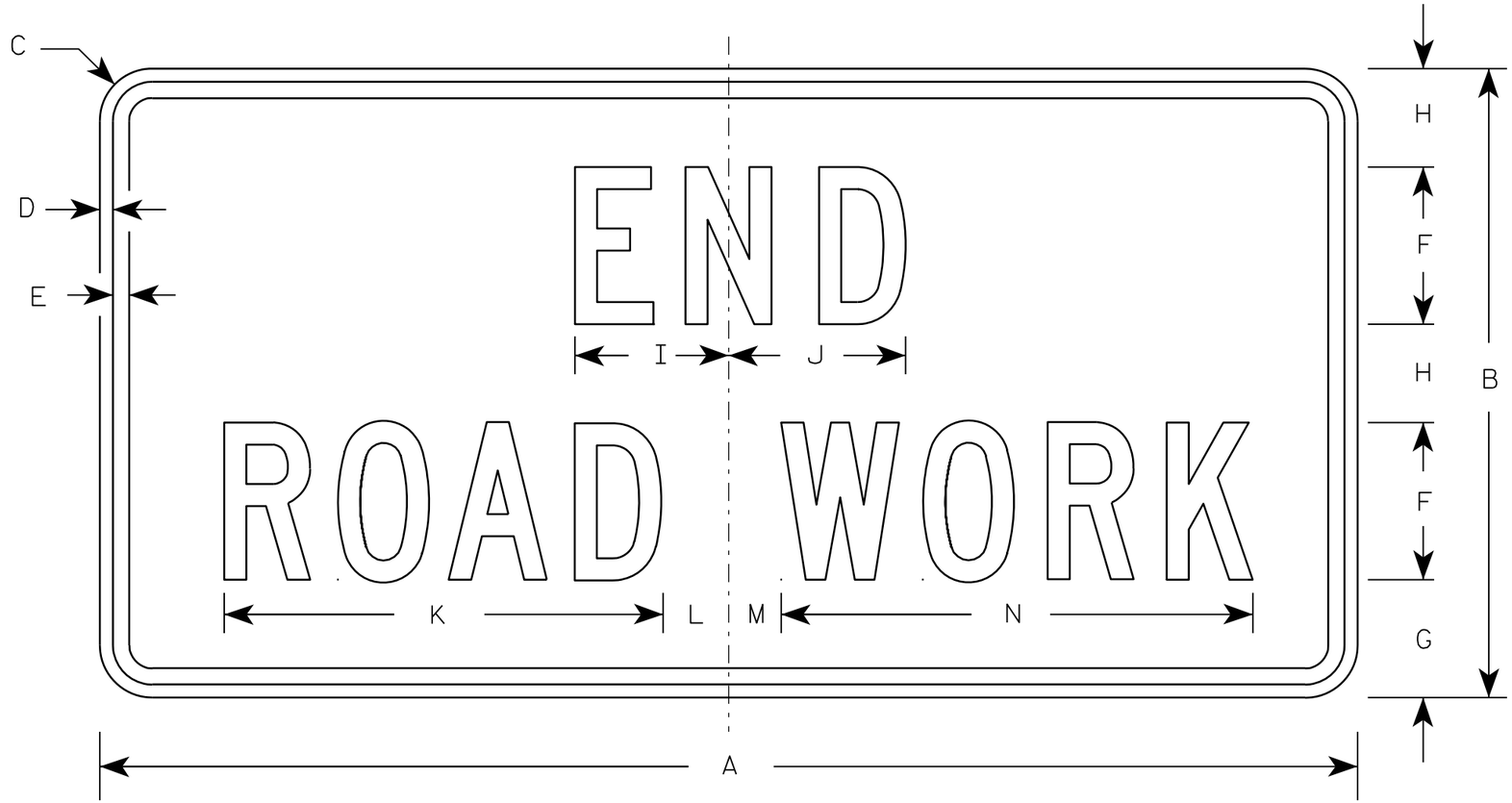
STANDARD SIGN
SIGN BANDING DETAILS

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: 474	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

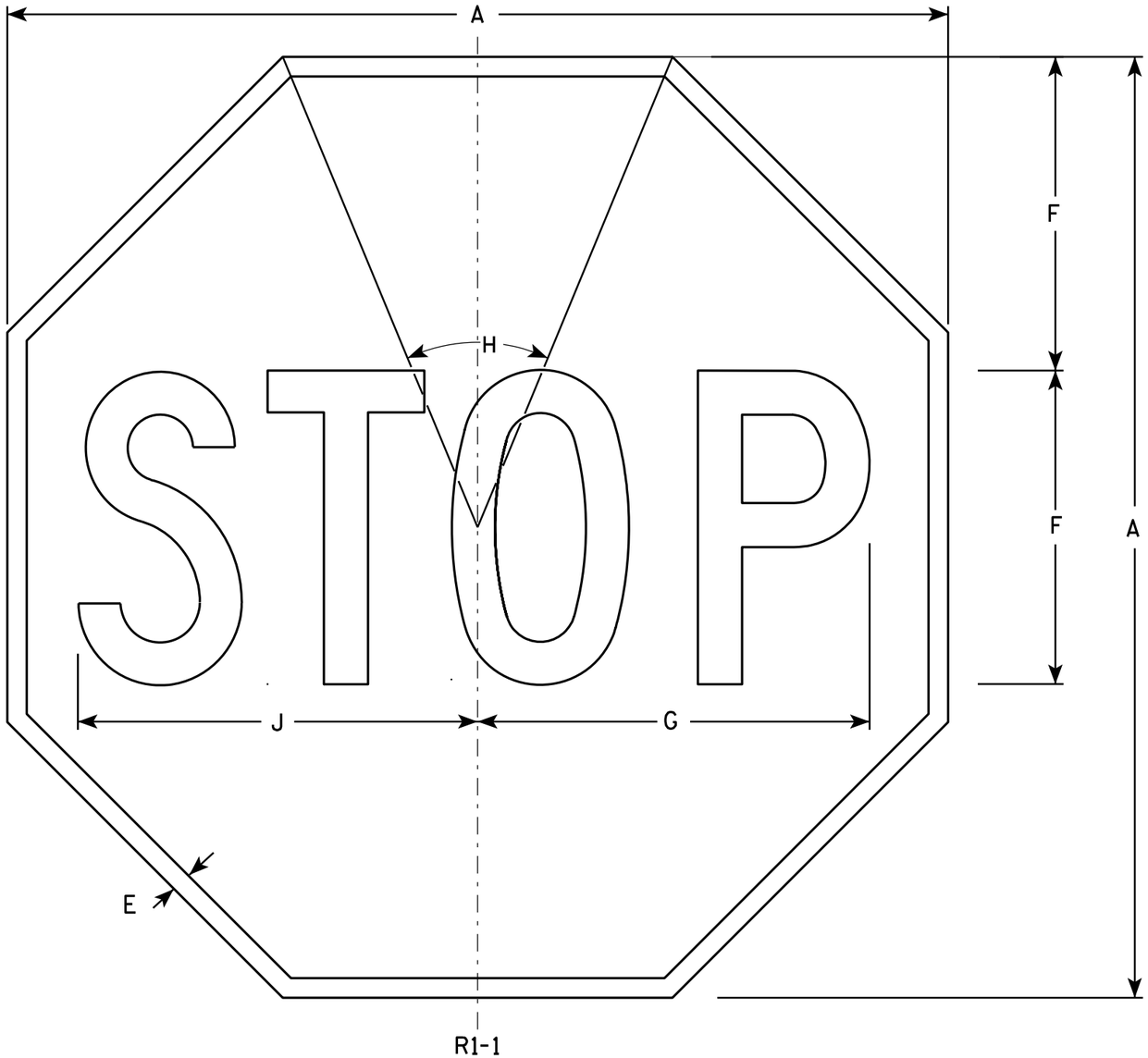
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 475	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

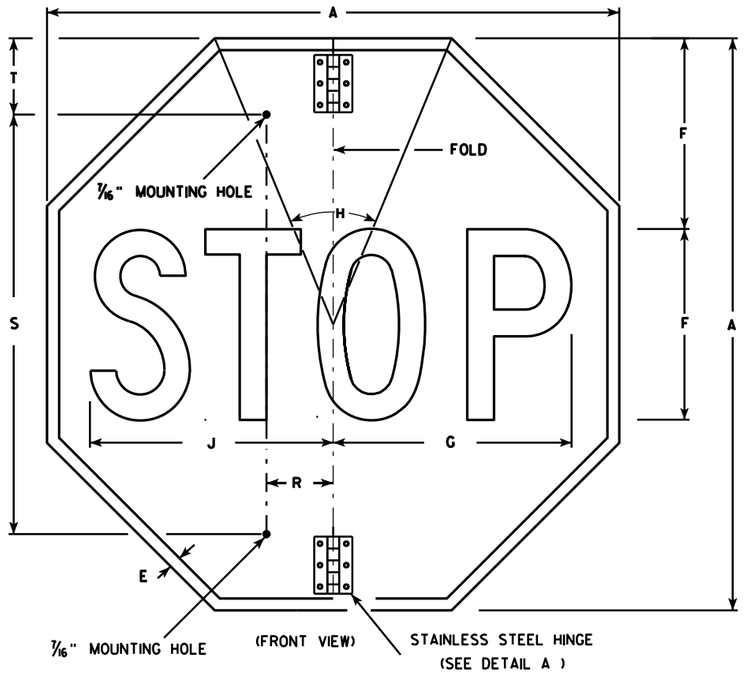
STANDARD SIGN
R1-1

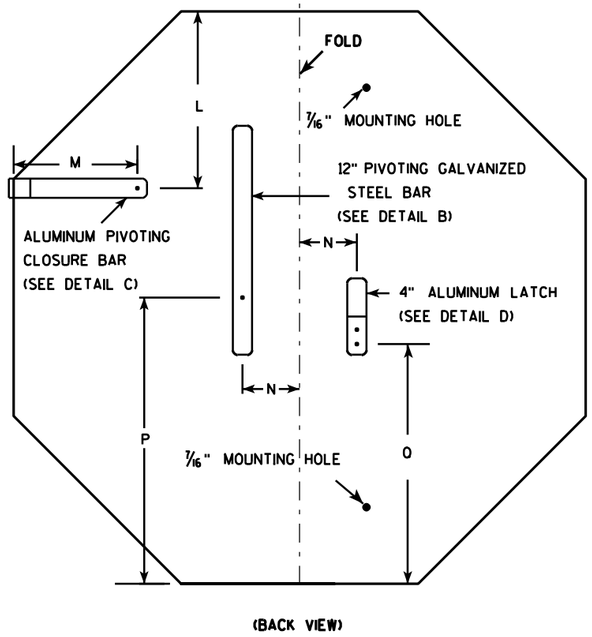
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

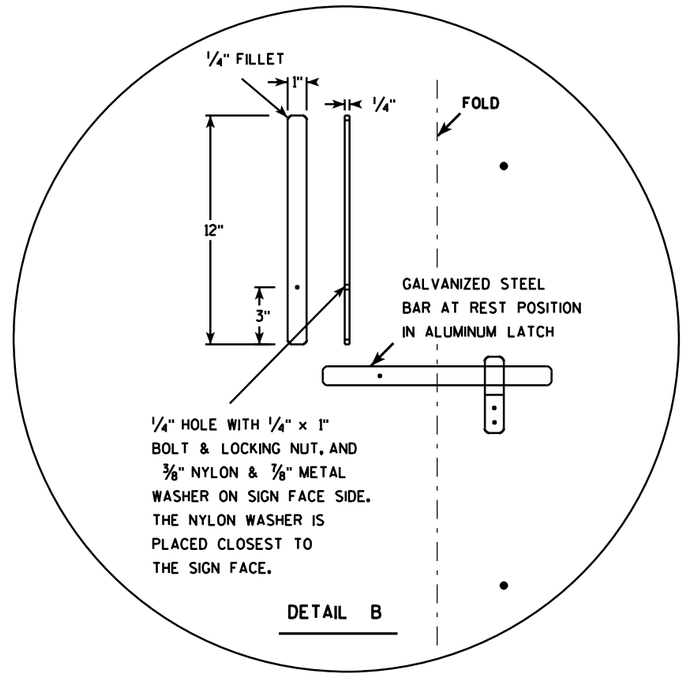
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 476	E

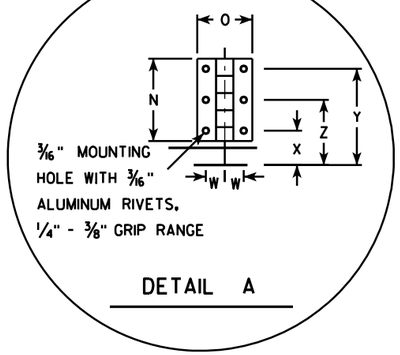


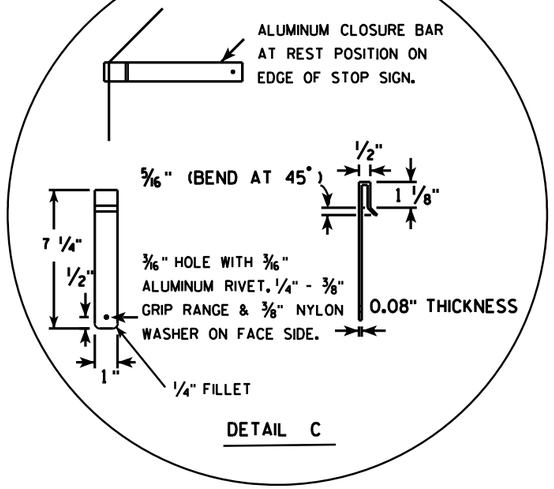


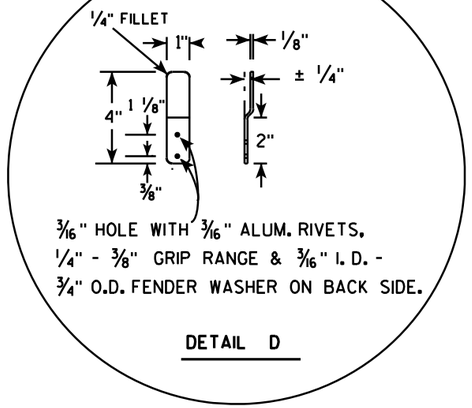
NOTES

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.









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																											

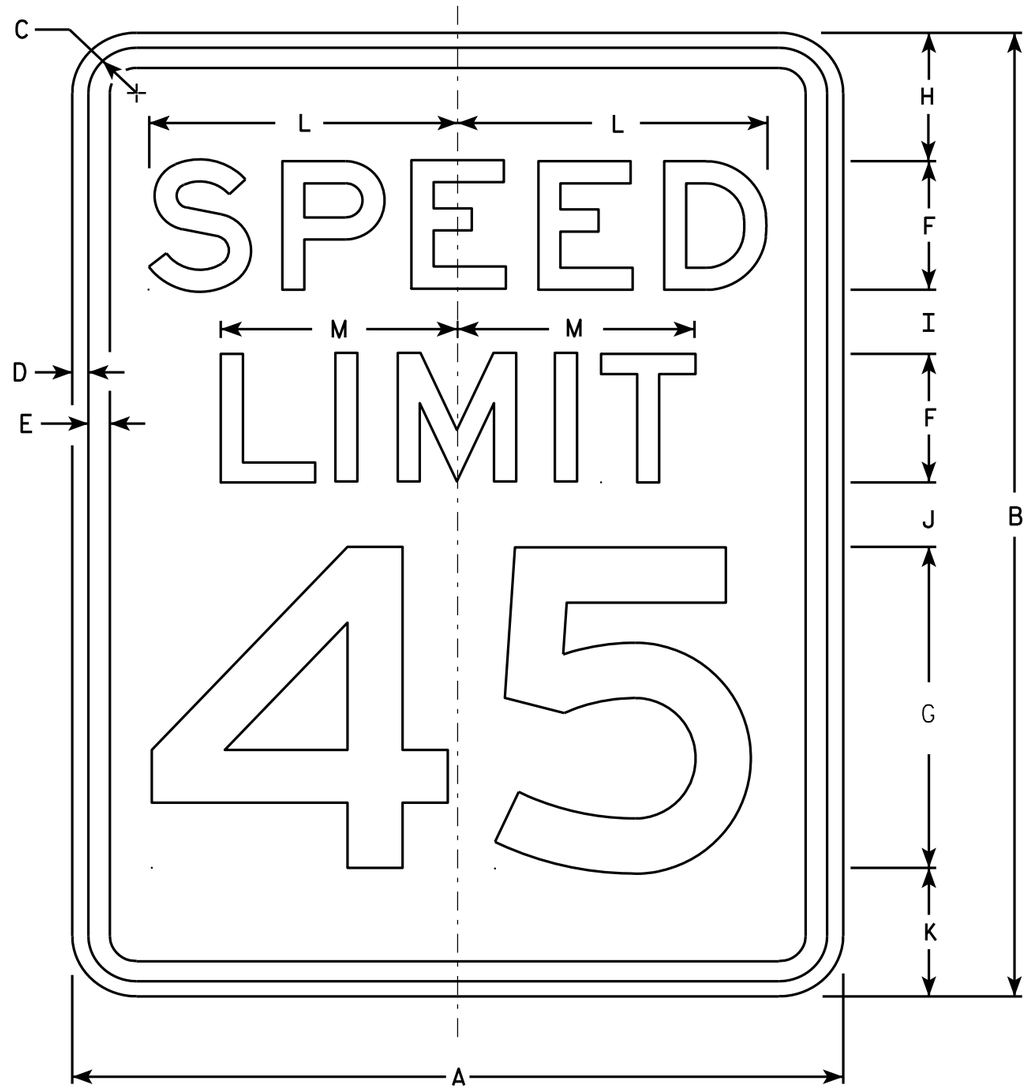
STANDARD SIGN
R1-1F

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: 477	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

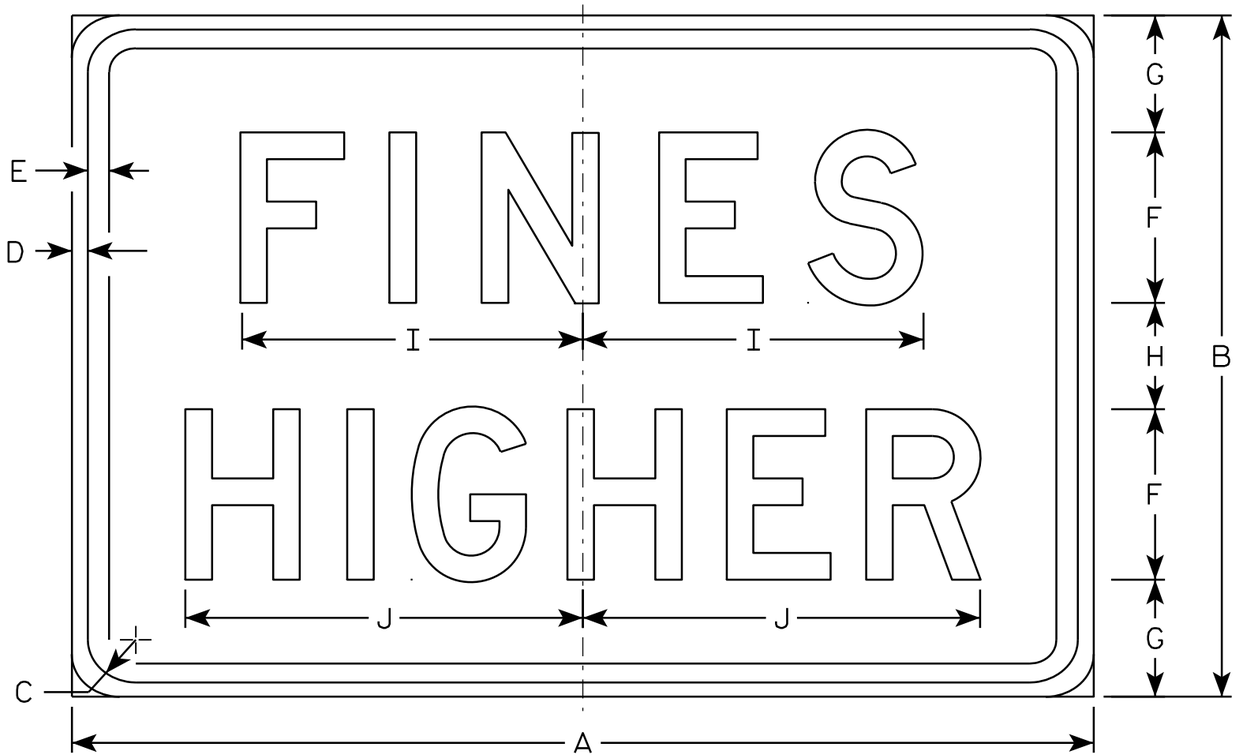
STANDARD SIGN
R2-1

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: 478 | E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

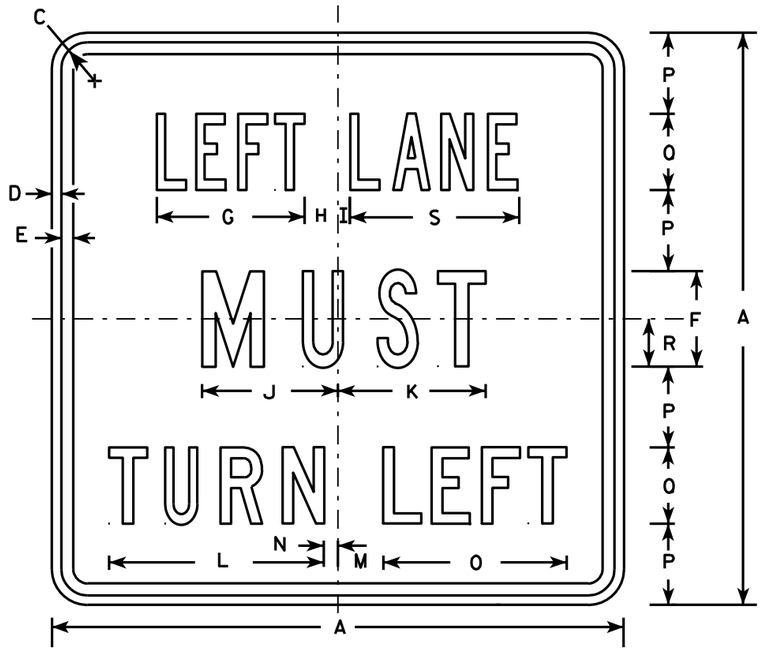
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

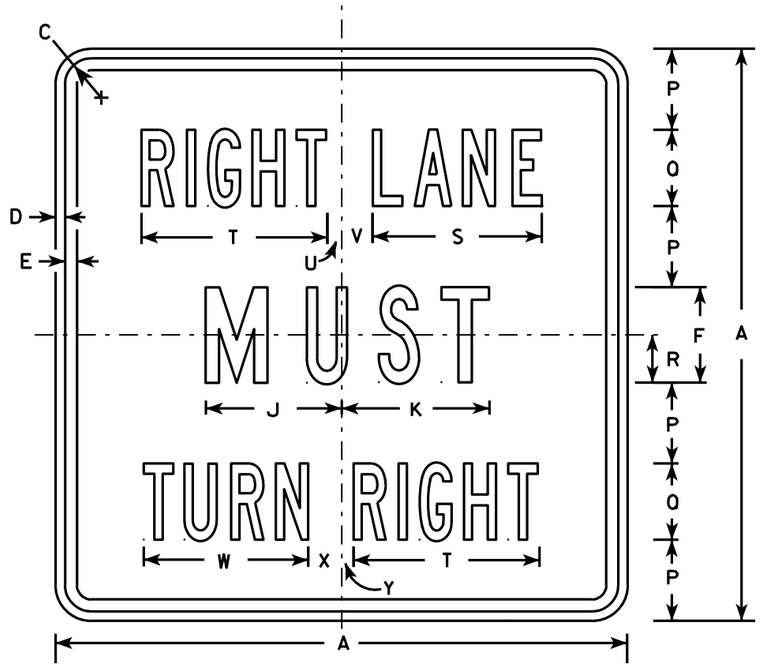
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 479 | E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

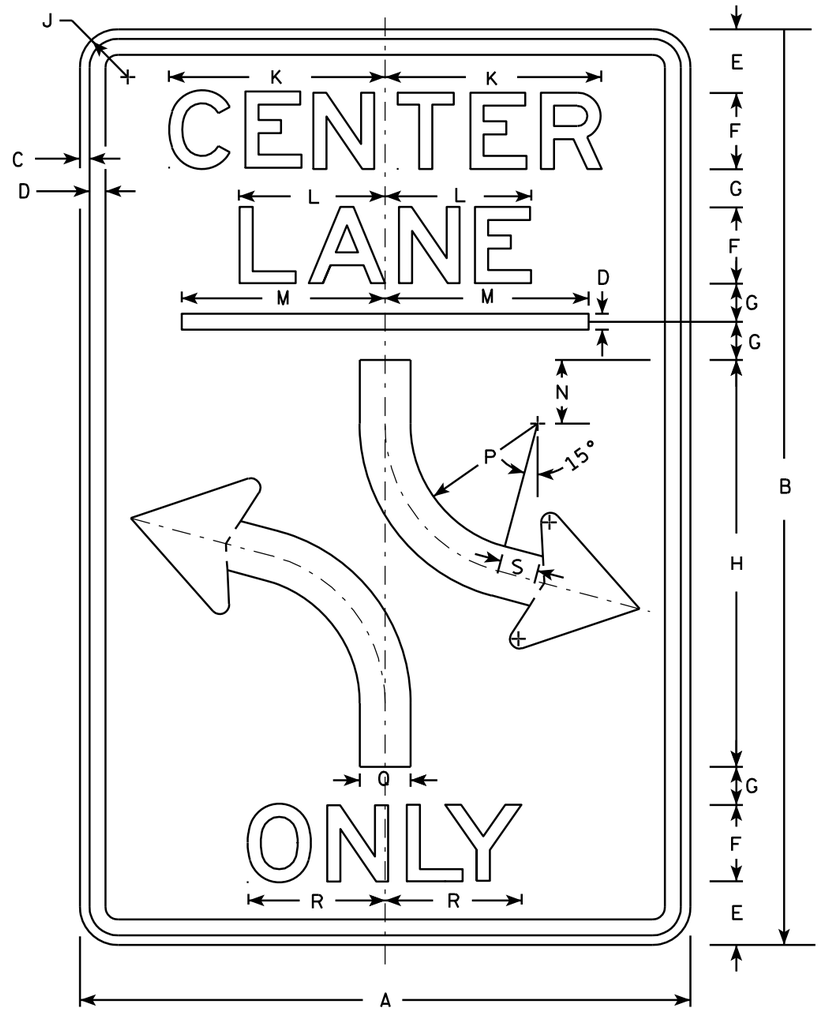
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

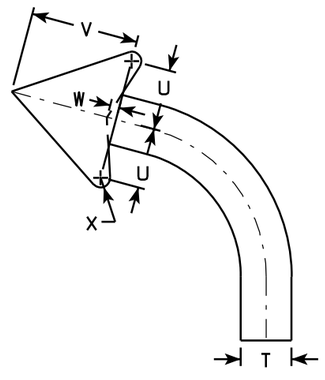
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 480 | E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
2M	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
3	36	48	5/8	7/8	3 1/2	5	1 1/2	20		2 1/4	14 1/8	9 1/2	12	3		4	3	9 7/8	2		3 1/2	6 1/8	1/2				12.0
4																											
5																											

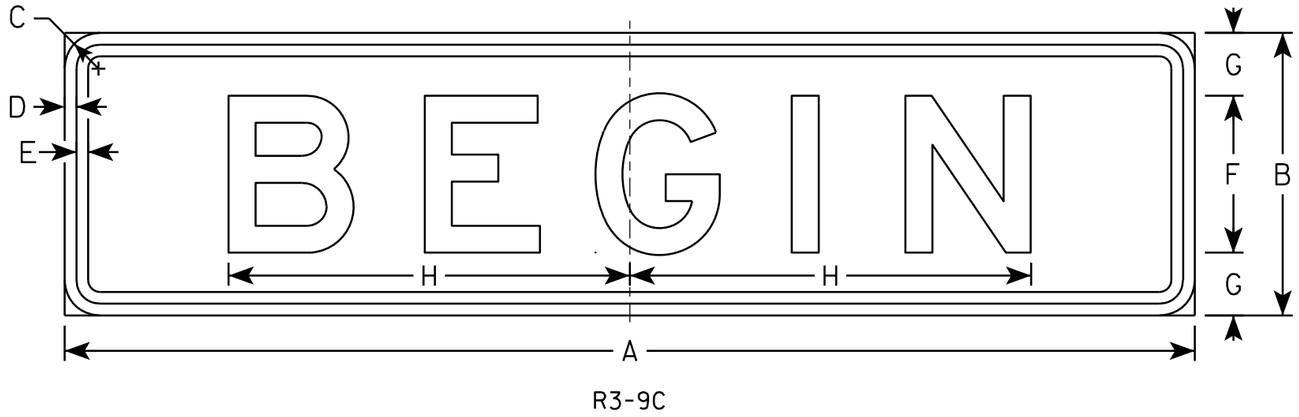
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9B.5

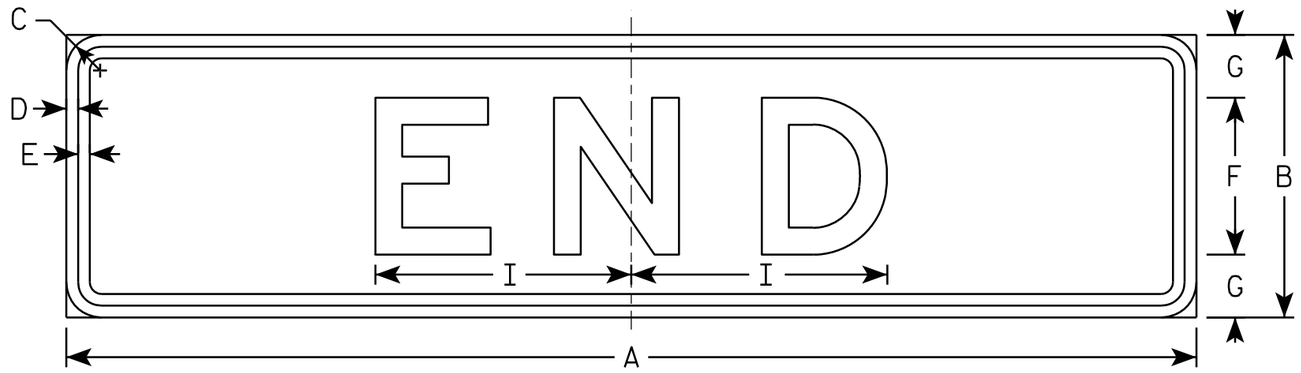
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 481	E



R3-9C

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.



R3-9D

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	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/8	3/8	3/8	5	2	12 3/4	8 1/8																		1.86
4																											
5																											

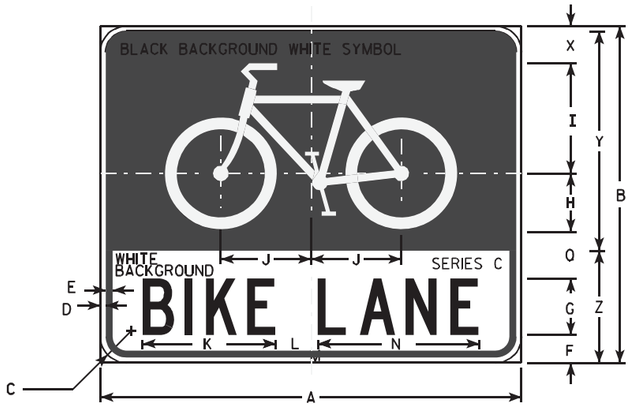
STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

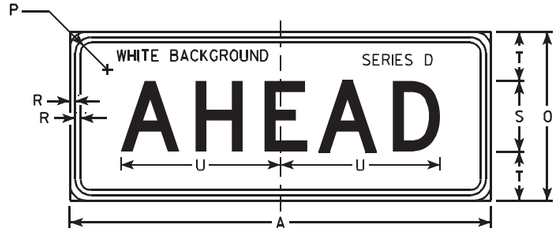
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9C.2

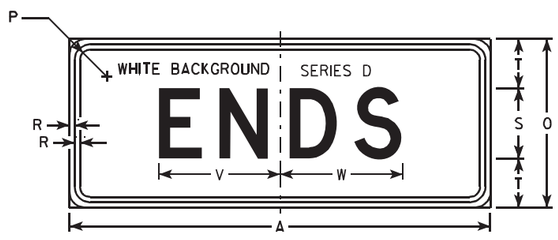
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 482	E



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:

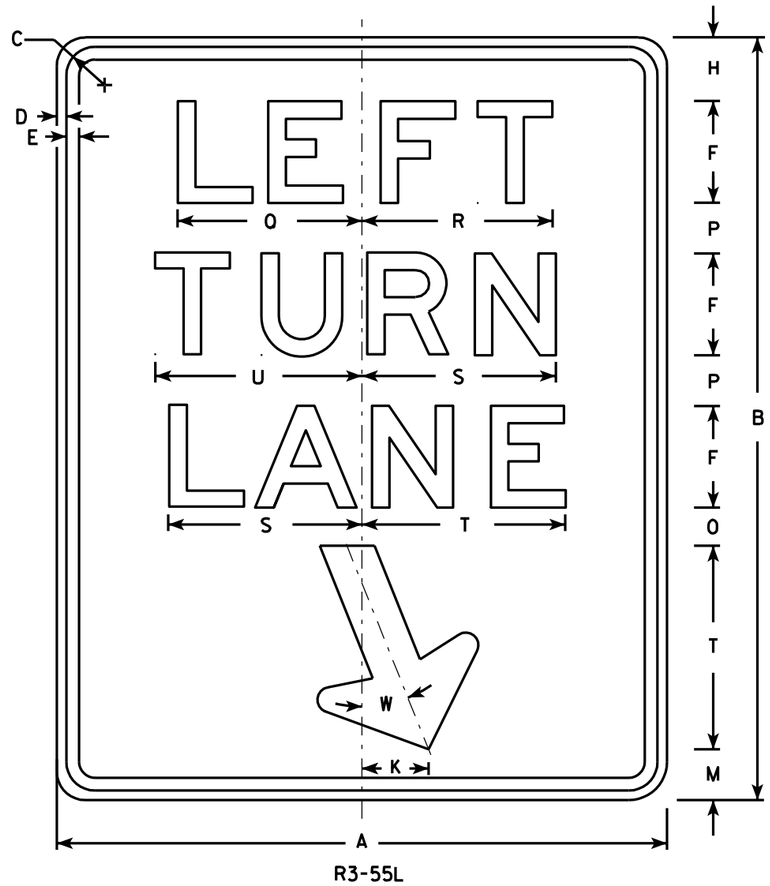
SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R317.DGN PLOT DATE : 12-APR-2011 11:25 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

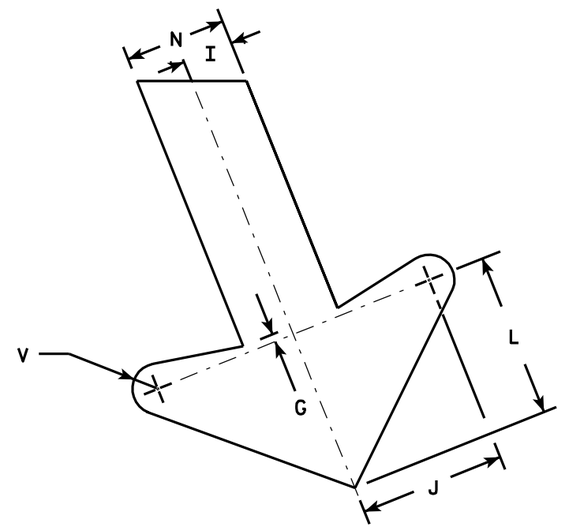
7



R3-55L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 750 mm
3	900 mm X 1200 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	30	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	2	1 1/2	2	7 1/4	7 1/2	7 5/8	8	8 1/8	1/2	22°				5.0	0.45
3	36	48	1 3/4	1/2	5/8	6	3/8	4 1/4	1 1/2	4 1/4	4	4 7/8	3 1/4	3	3	3 3/4	10 7/8	11 1/4	11 1/2	12	12 1/4	3/4	22°				12.0	1.08
4																												
5																												

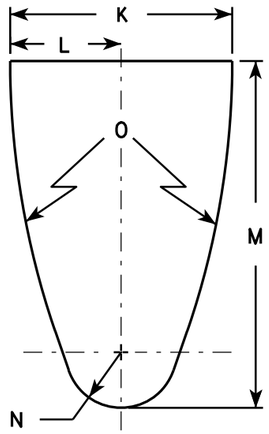
STANDARD SIGN
R3-55L

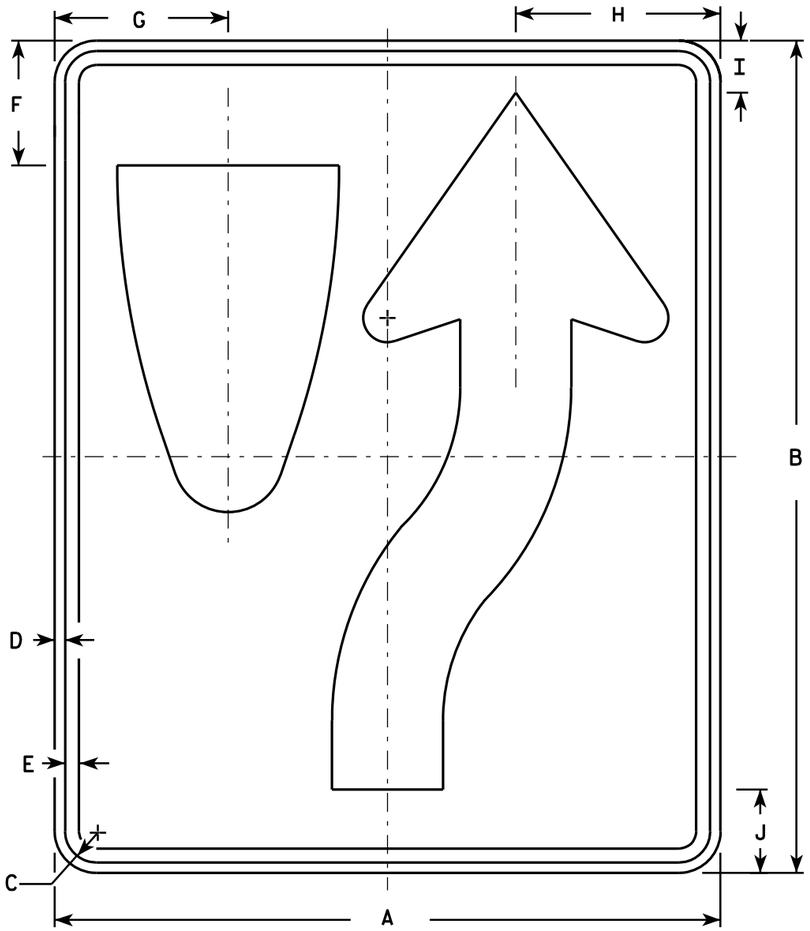
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/05/05 PLATE NO. R3-55L.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 484	E

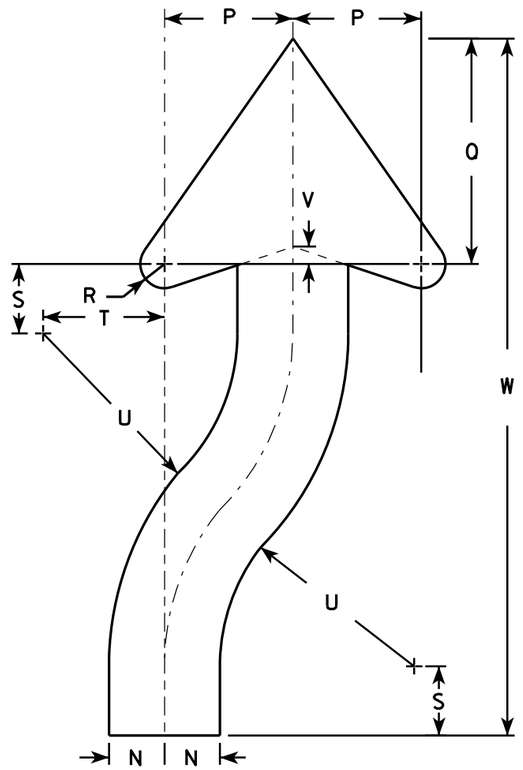




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

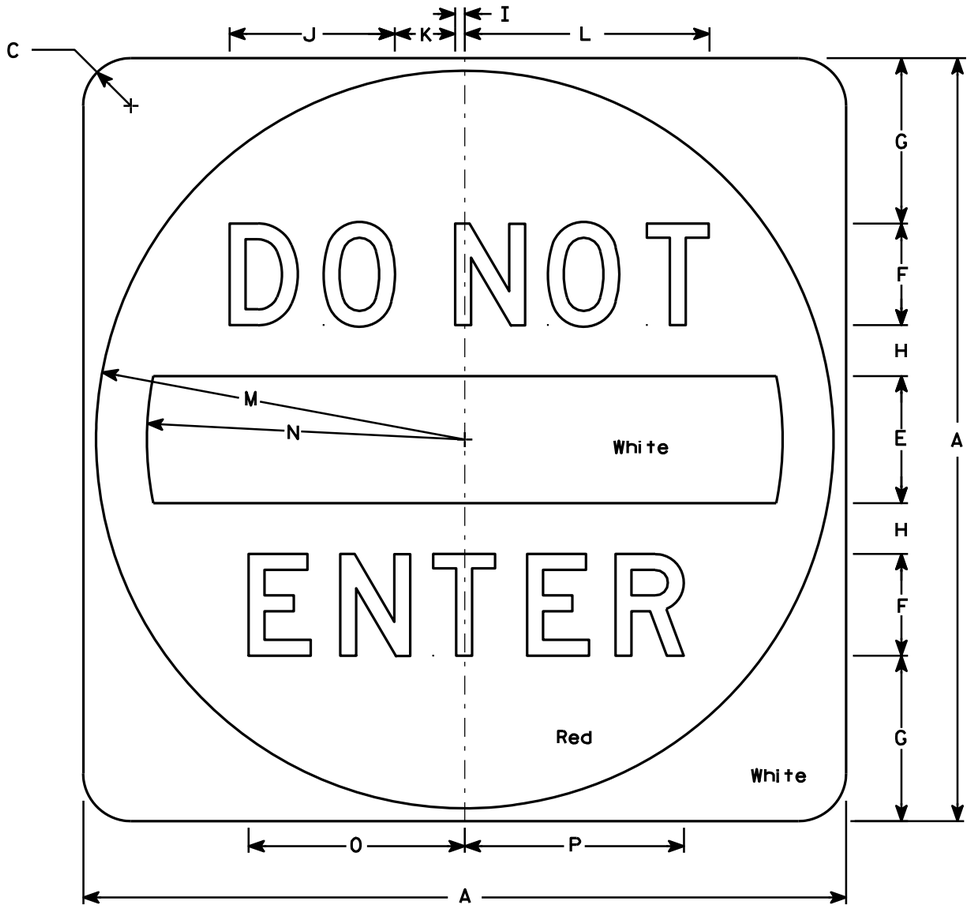
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 485	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

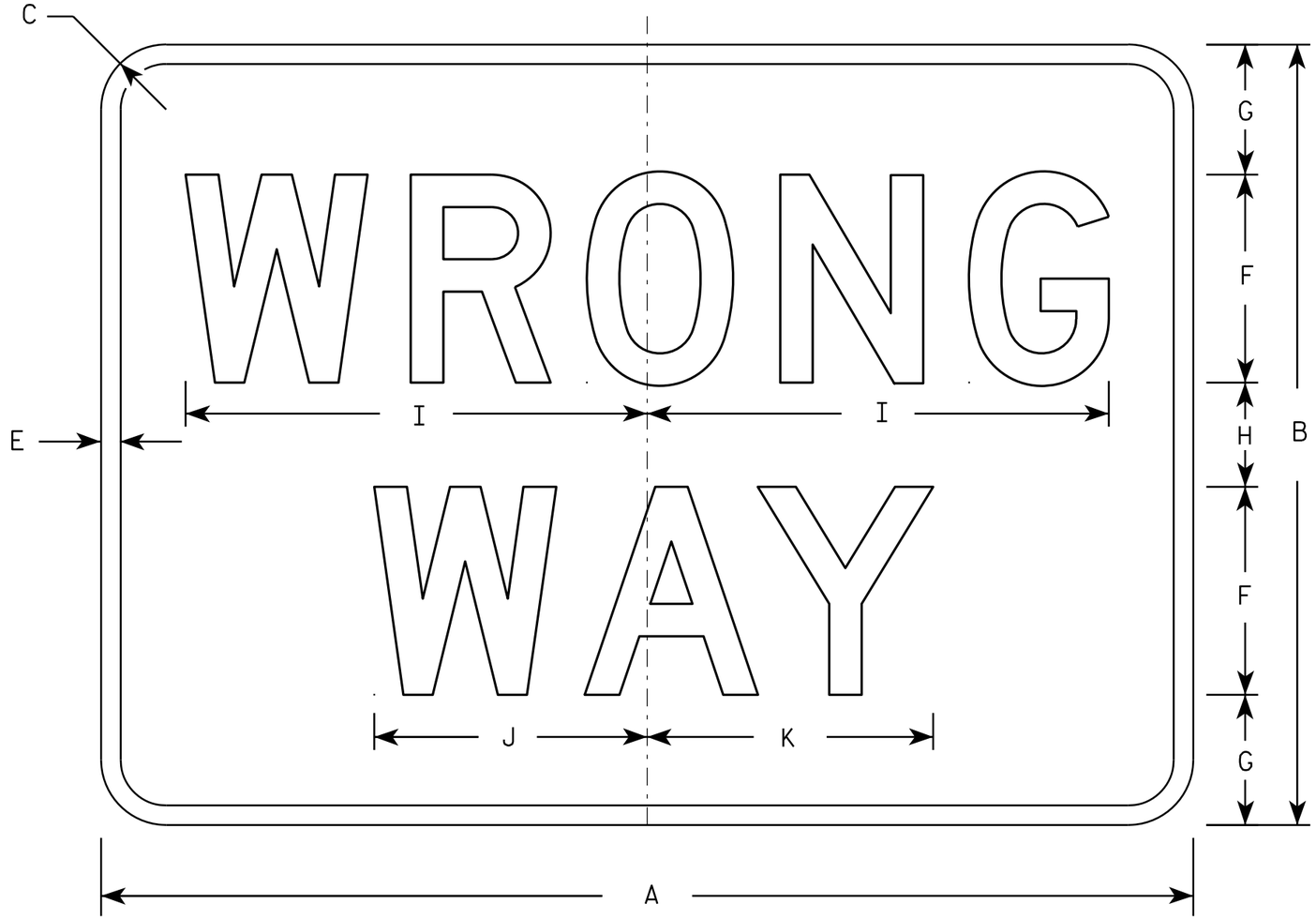
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 486 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

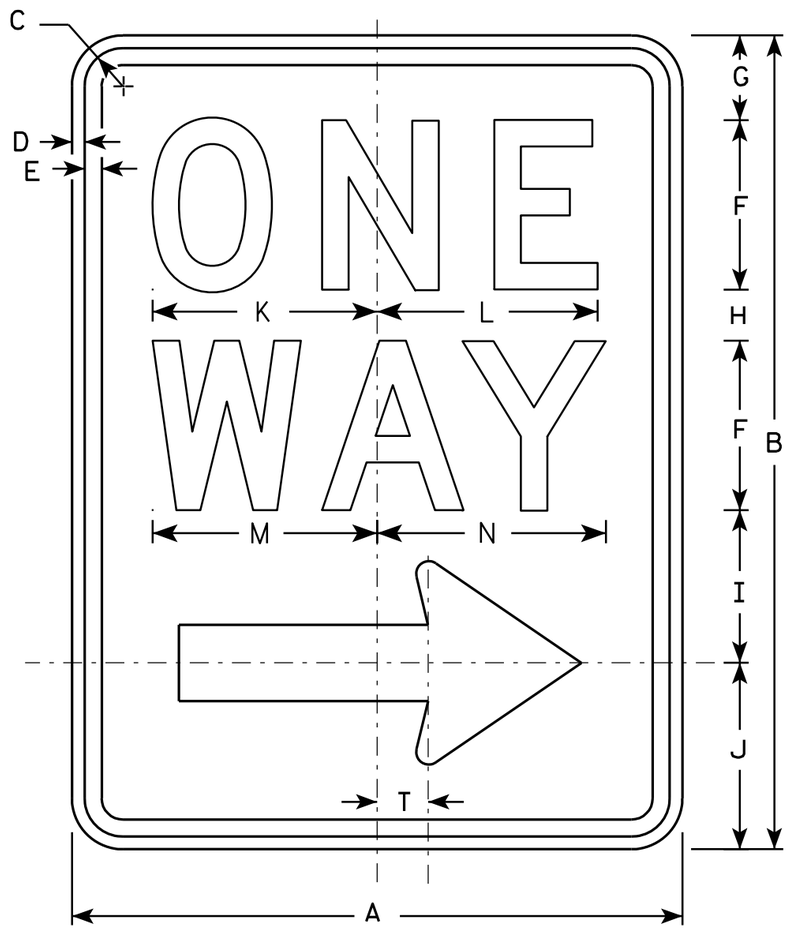
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

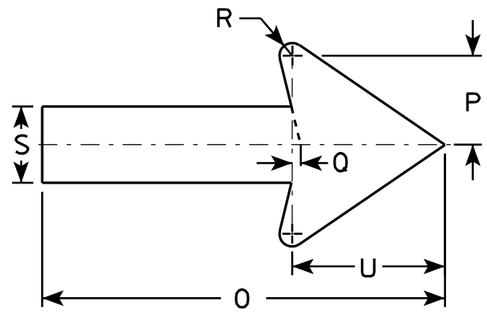
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 487	E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

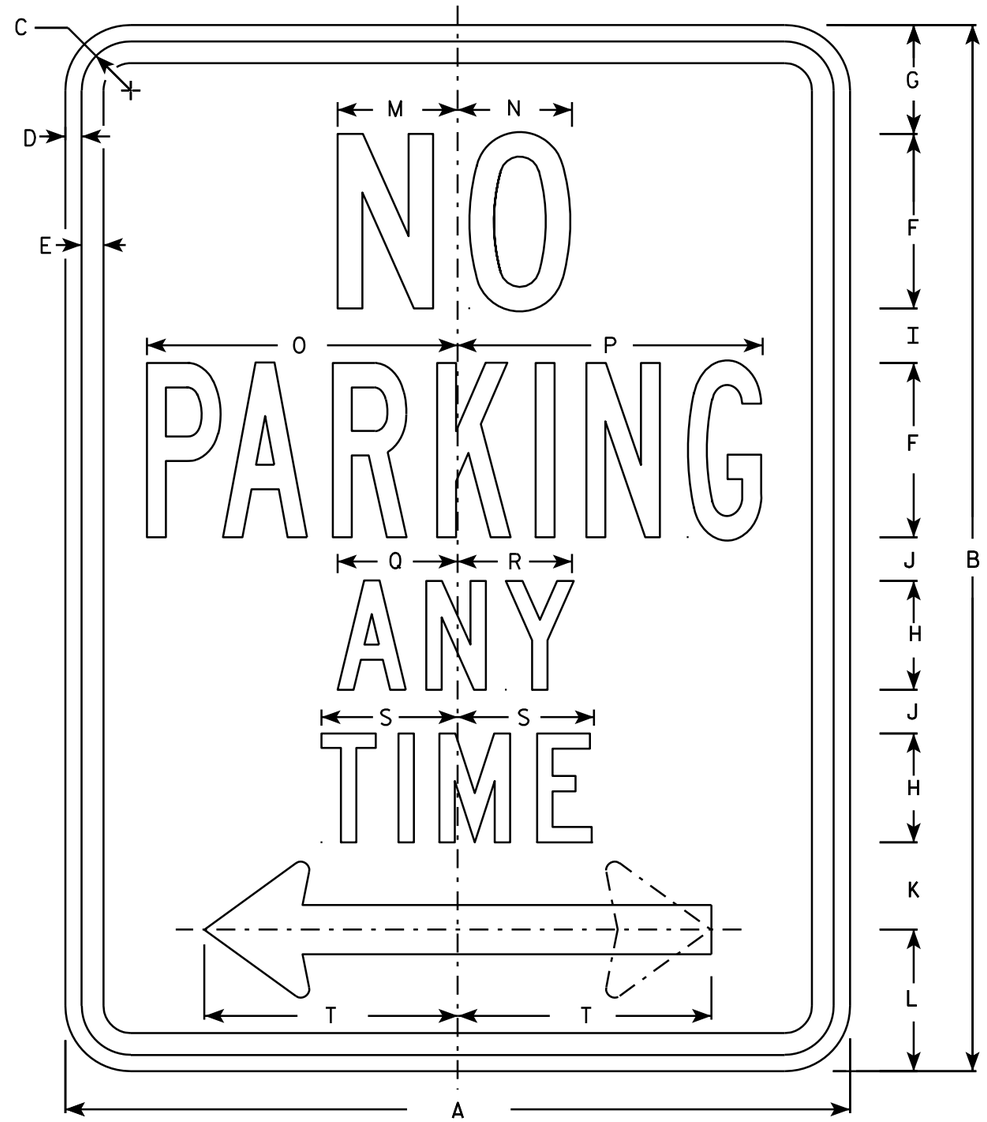
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

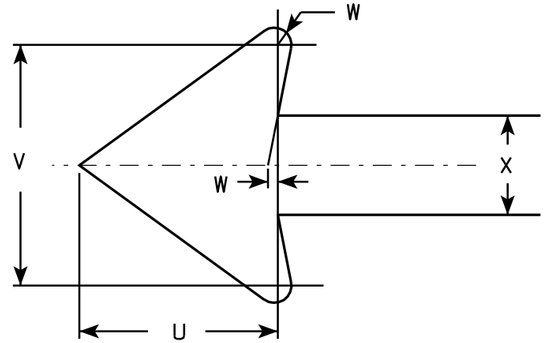
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 488	E



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																											

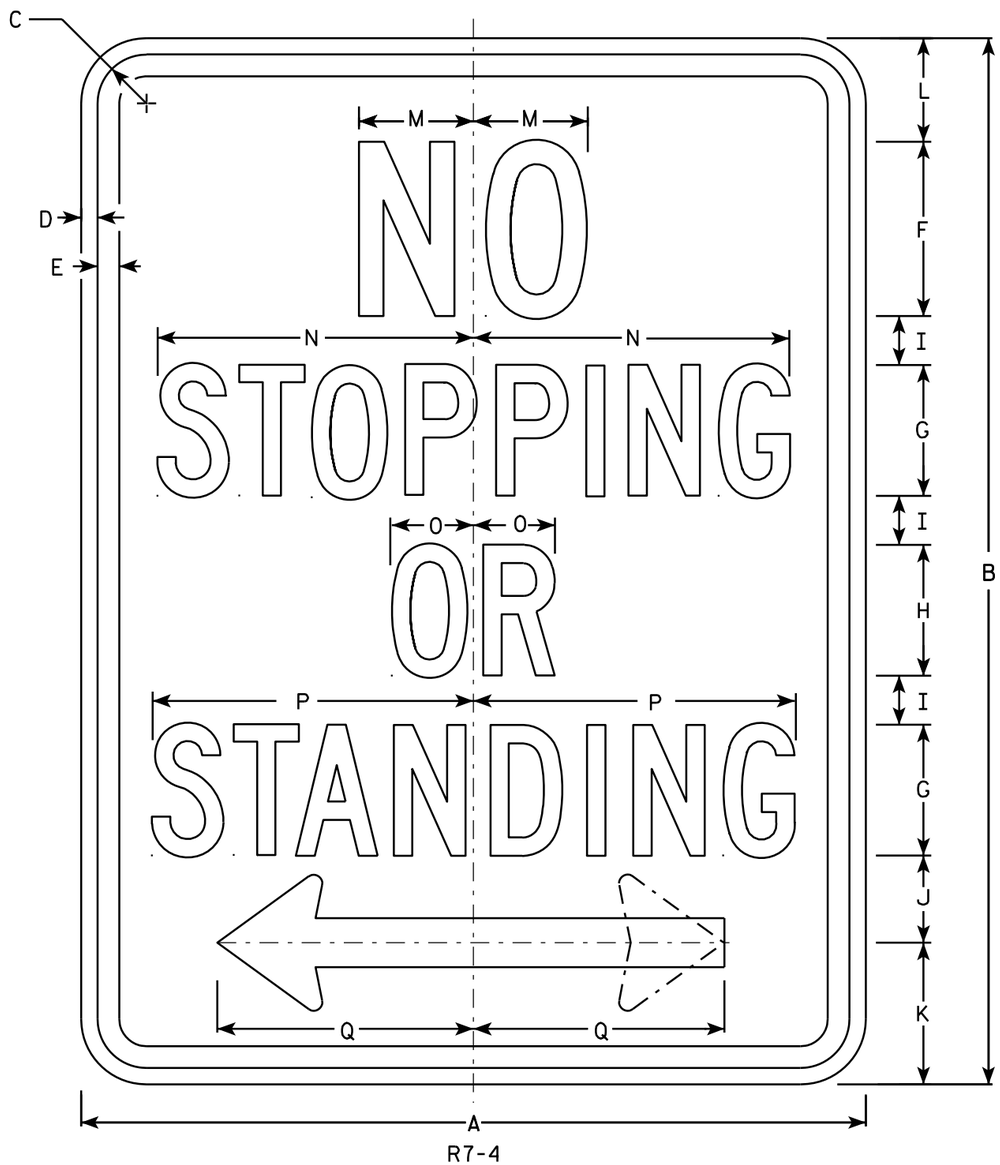
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

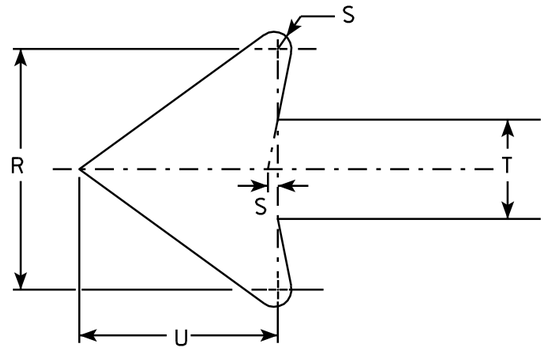
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 489 | E



R7-4

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 - Red
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. R7-4L (left arrow)
   R7-4R (right arrow)
   R7-4D (double arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	2	2	1	1 1/2	2 1/2	2	2	4 7/8	1 1/4	4 7/8	3 7/8	1 3/4	1/8	3/4	1 1/2						1.5
2S	18	24	1 1/8	3/8	1/2	4	3	3	1 1/8	2	3 1/4	2 3/8	2 5/8	7 1/4	1 1/8	7 3/8	5 7/8	2 5/8	1/4	1 1/8	2 1/4						3.0
2M	24	30	1 1/8	3/8	1/2	5	4	3	1 1/2	3	4	2 1/2	3 3/8	10	2 1/2	10 1/4	7 3/4	3 1/2	1/4	1 1/2	3						5.0
3	24	30	1 1/8	3/8	1/2	5	4	3	1 1/2	3	4	2 1/2	3 3/8	10	2 1/2	10 1/4	7 3/4	3 1/2	1/4	1 1/2	3						5.0
4																											
5																											

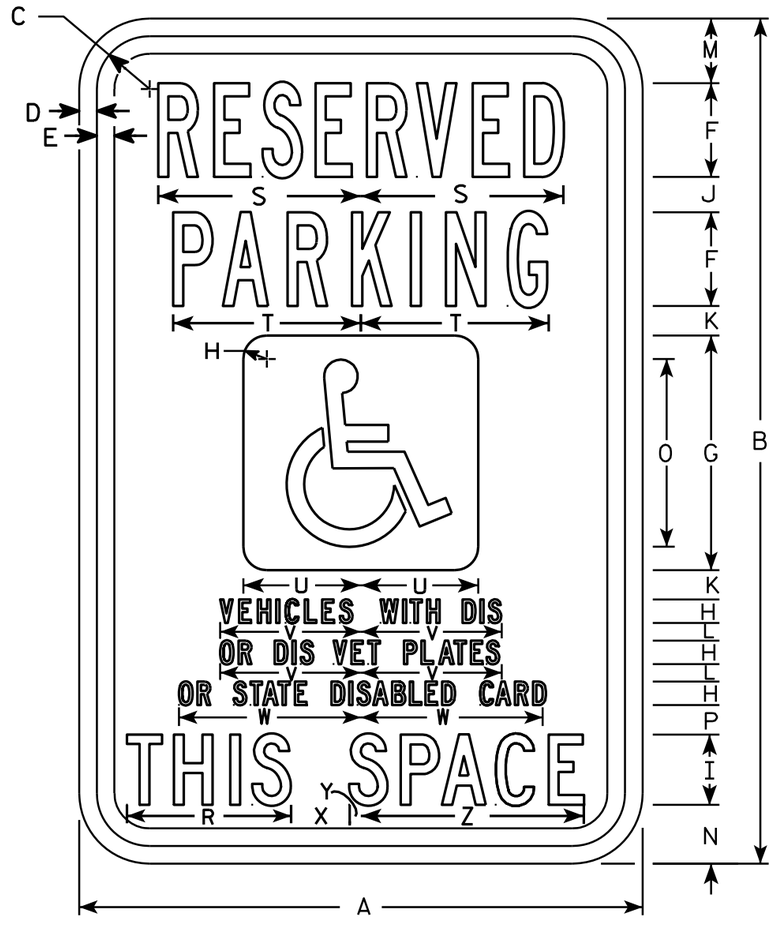
STANDARD SIGN
R7-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-4.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 490 | E



R7-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
4																											
5																											

STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

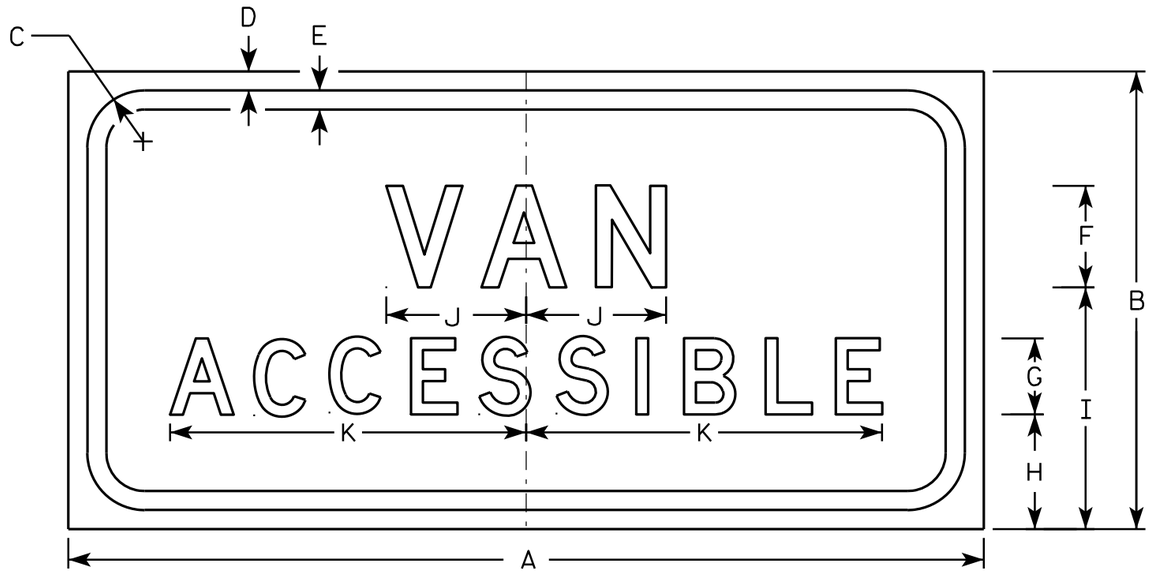
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/20/2011 PLATE NO. R7-8A.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 491 | 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 - White
   Message - Green - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R7-8V

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	6	1 1/8	3/8	3/8	1 1/2	1	1 5/8	3 1/2	2	4 1/4																0.50
2M	18	9	1 1/8	3/8	3/8	2	1 1/2	2 1/4	4 3/4	2 3/4	7																0.75
3	18	9	1 1/8	3/8	3/8	2	1 1/2	2 1/4	4 3/4	2 3/4	7																0.75
4																											
5																											

STANDARD SIGN
R7-8V

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-8V.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 492 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R78V.DGN PLOT DATE : 31-MAR-2011 11:13 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 2.979520:1.000000

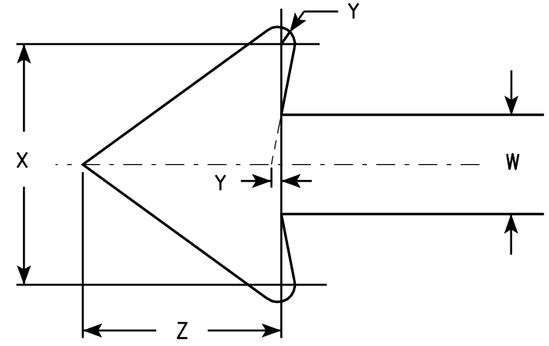
WISDOT/CADDS SHEET 42



R7-51

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 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



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	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	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	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	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	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	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	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	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

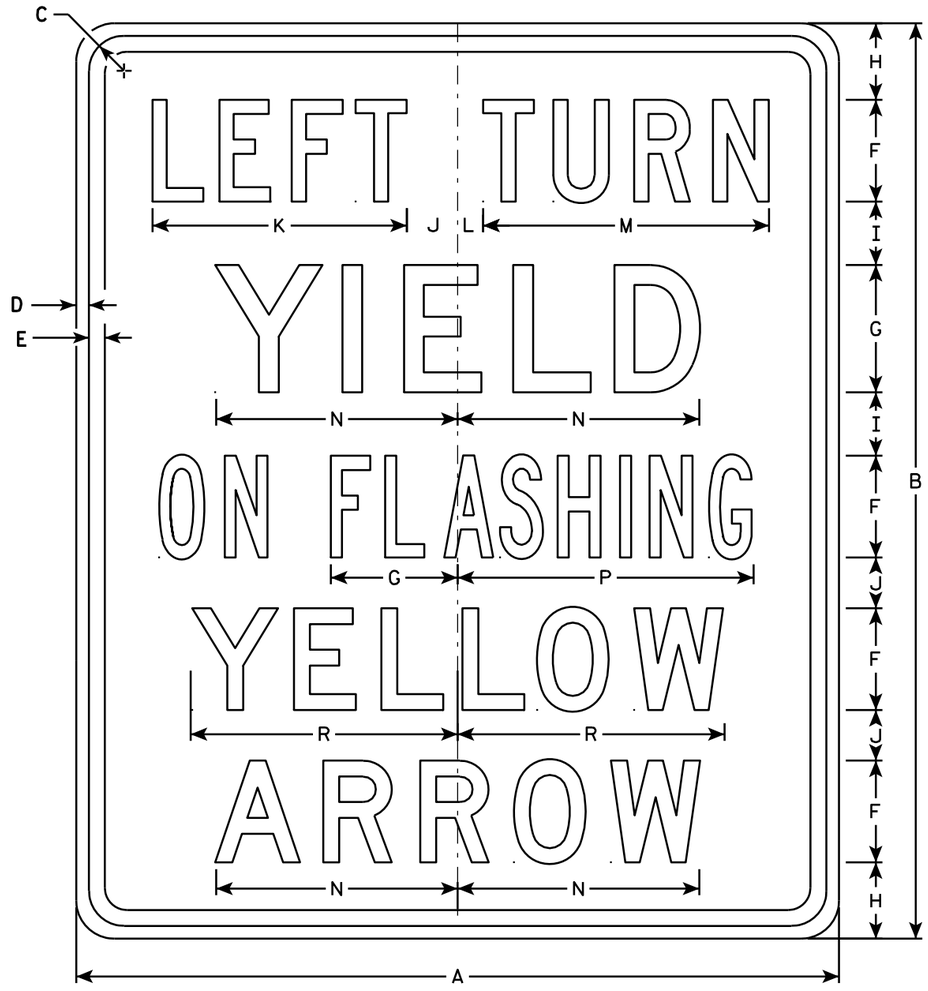
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 493	E



R10-50

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, 4 and 5 are Series D.
   Line 3 is 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	30	36	1 3/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2									7.5
2M	30	36	1 3/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2									7.5
3																											
4																											
5																											

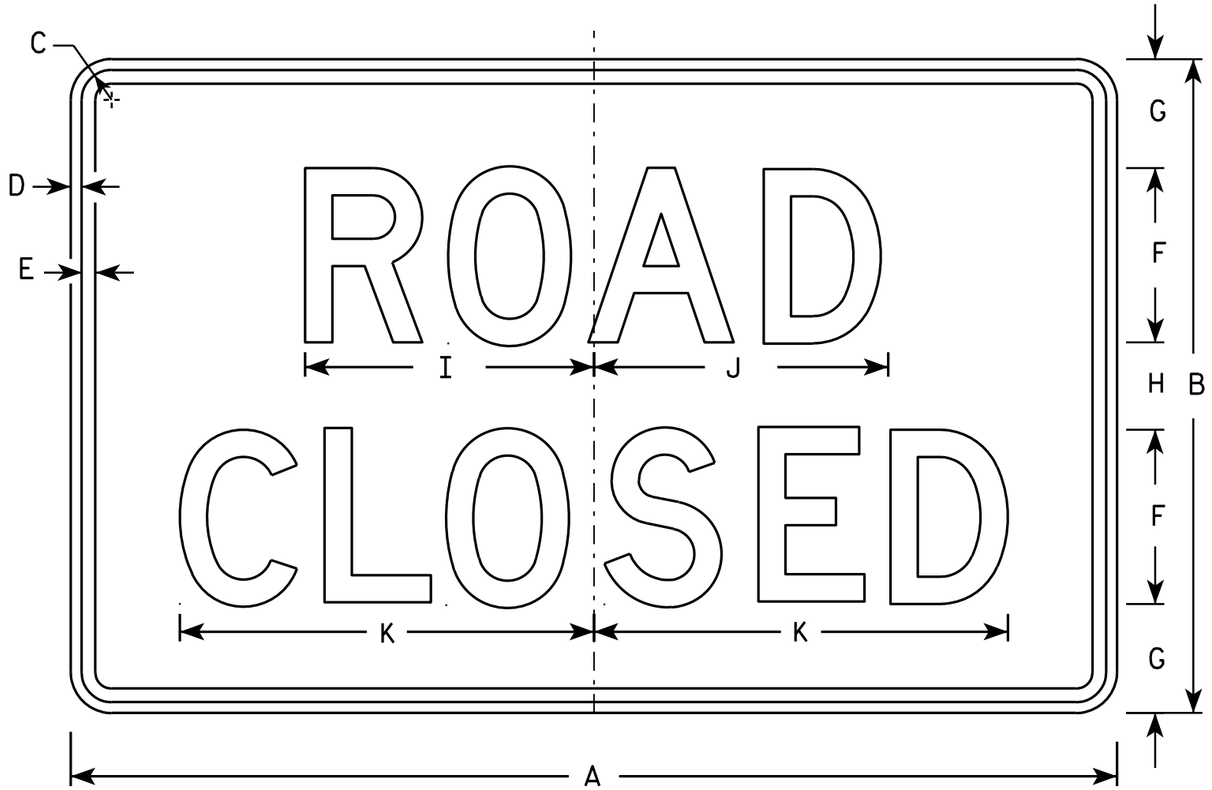
STANDARD SIGN
R10-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/21/10 PLATE NO. R10-50.1

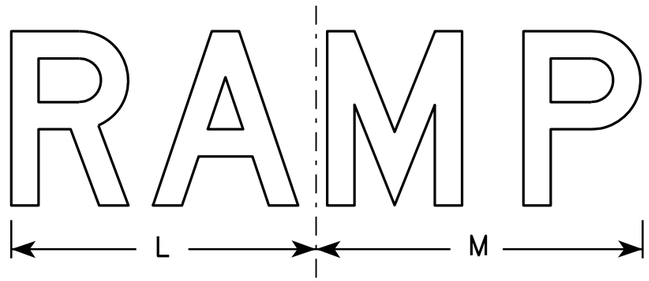
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 494	E



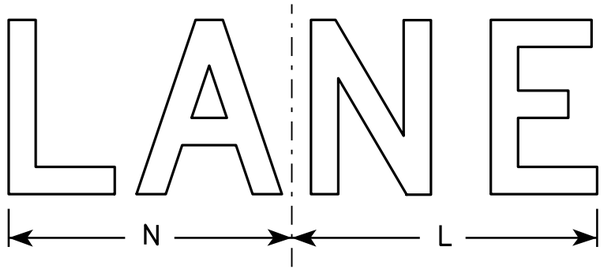
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

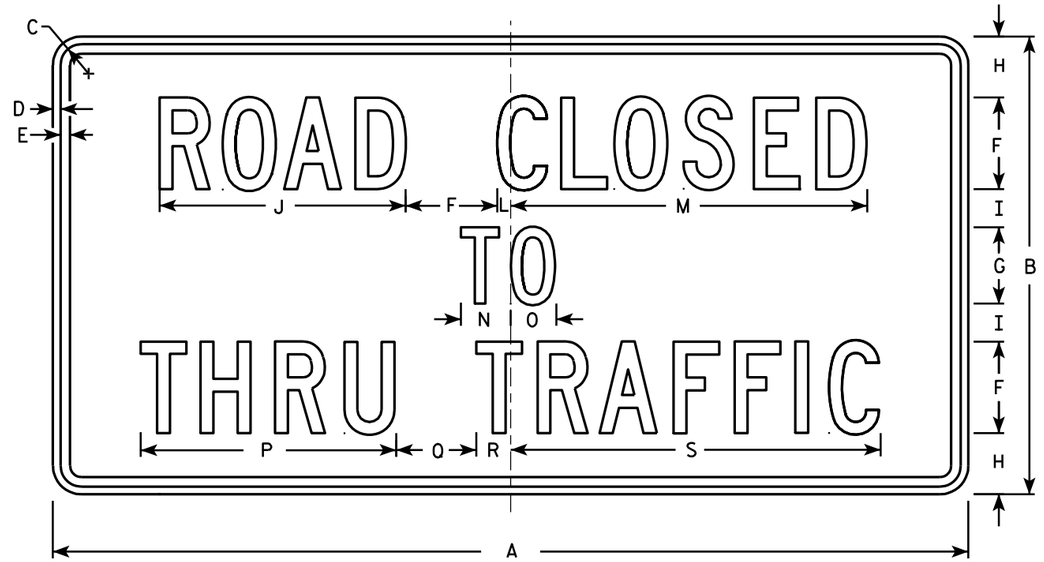
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 495	E



R11-4

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

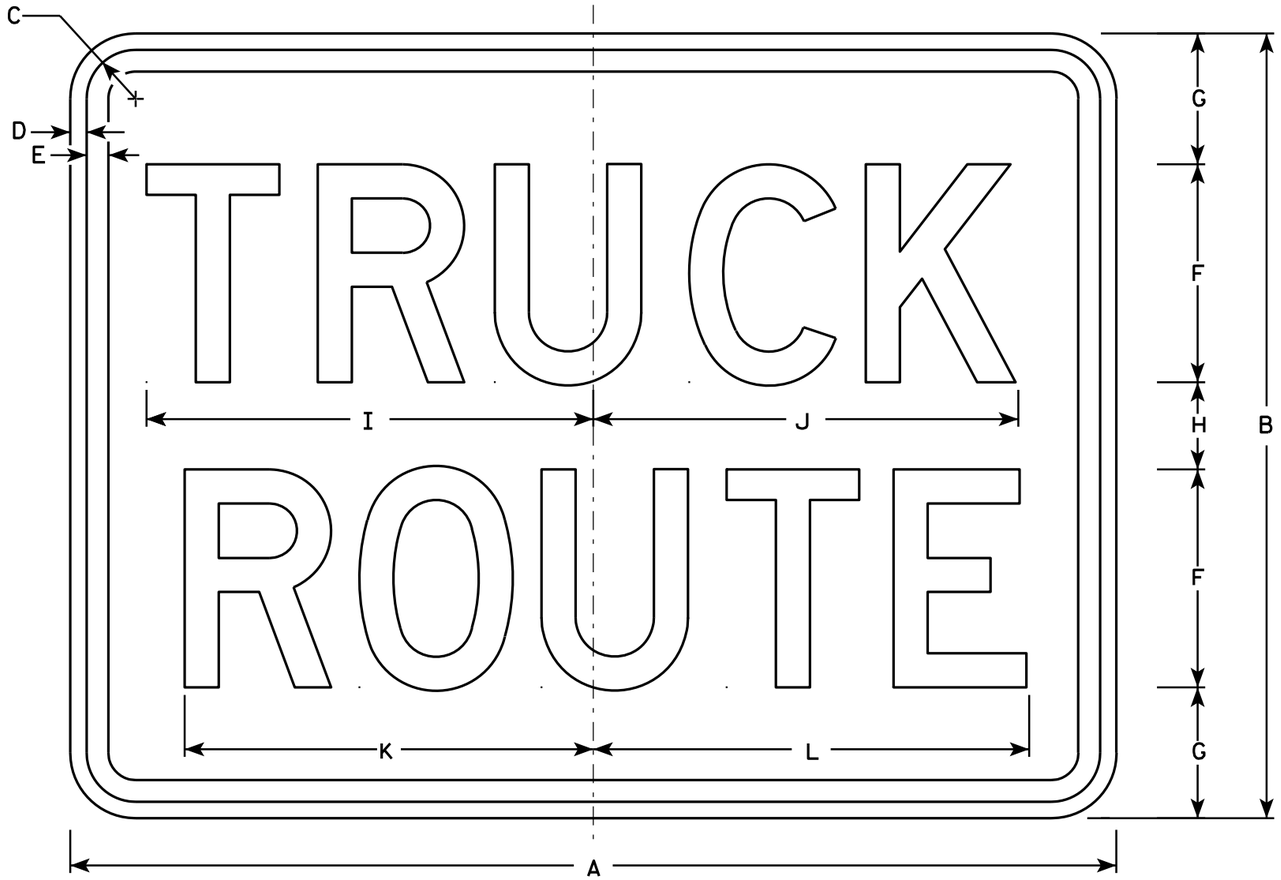
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 496 | E



R14-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

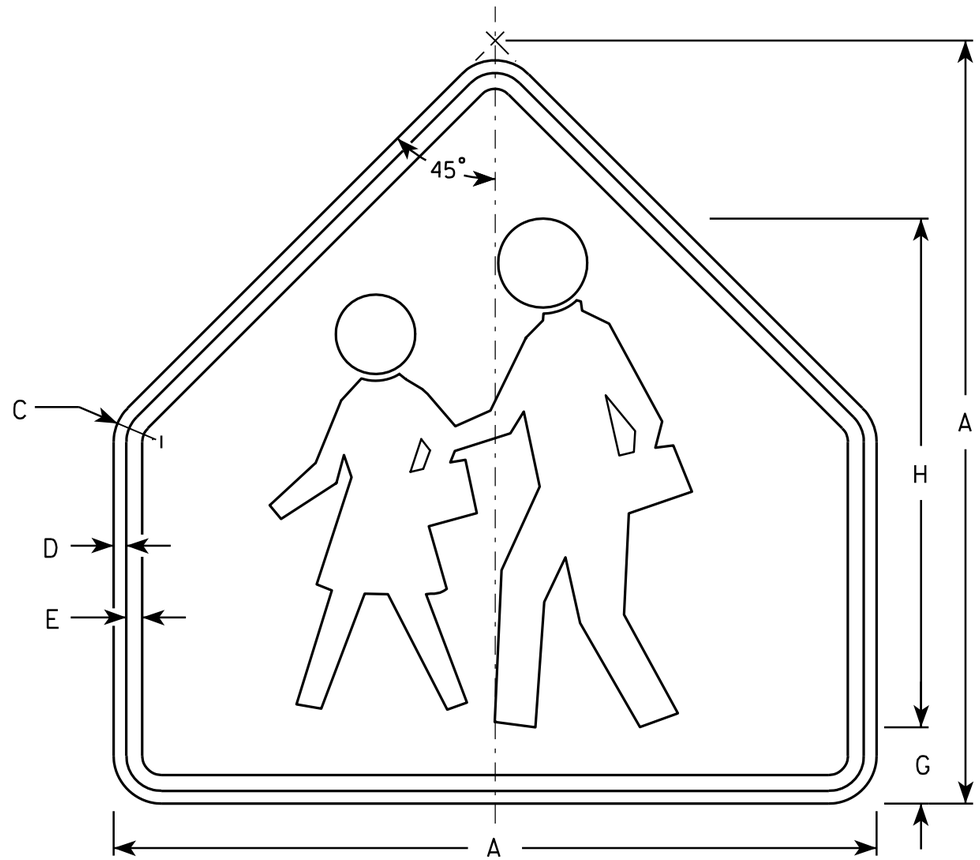
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 497	E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

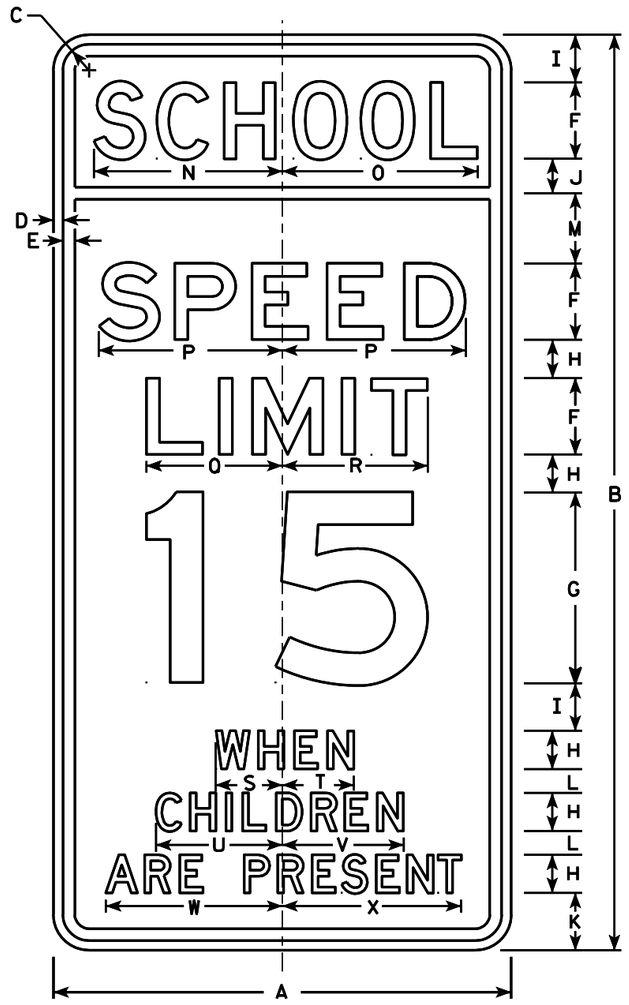
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 498	E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   Message - Black
3. Message Series - See note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Top panel (SCHOOL) background - Yellow Green -Type F Reflective.
   Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

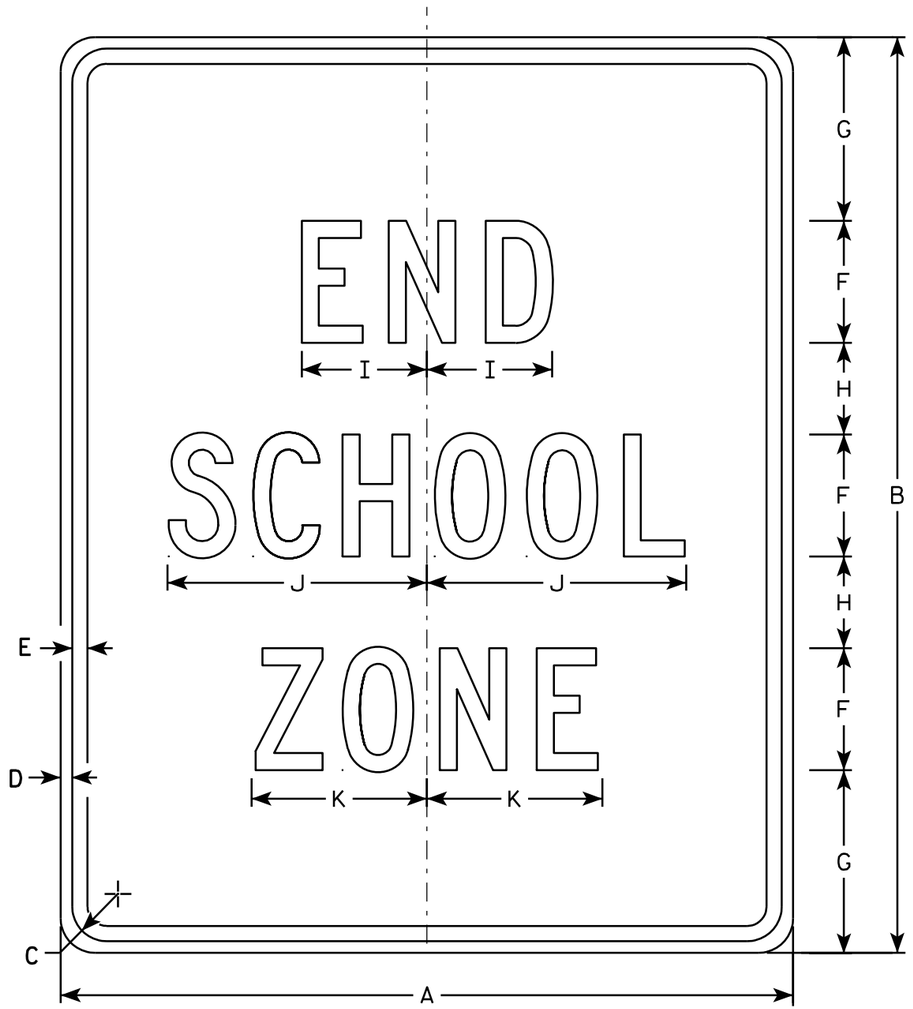
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 499	E



S5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

STANDARD SIGN
S5-2

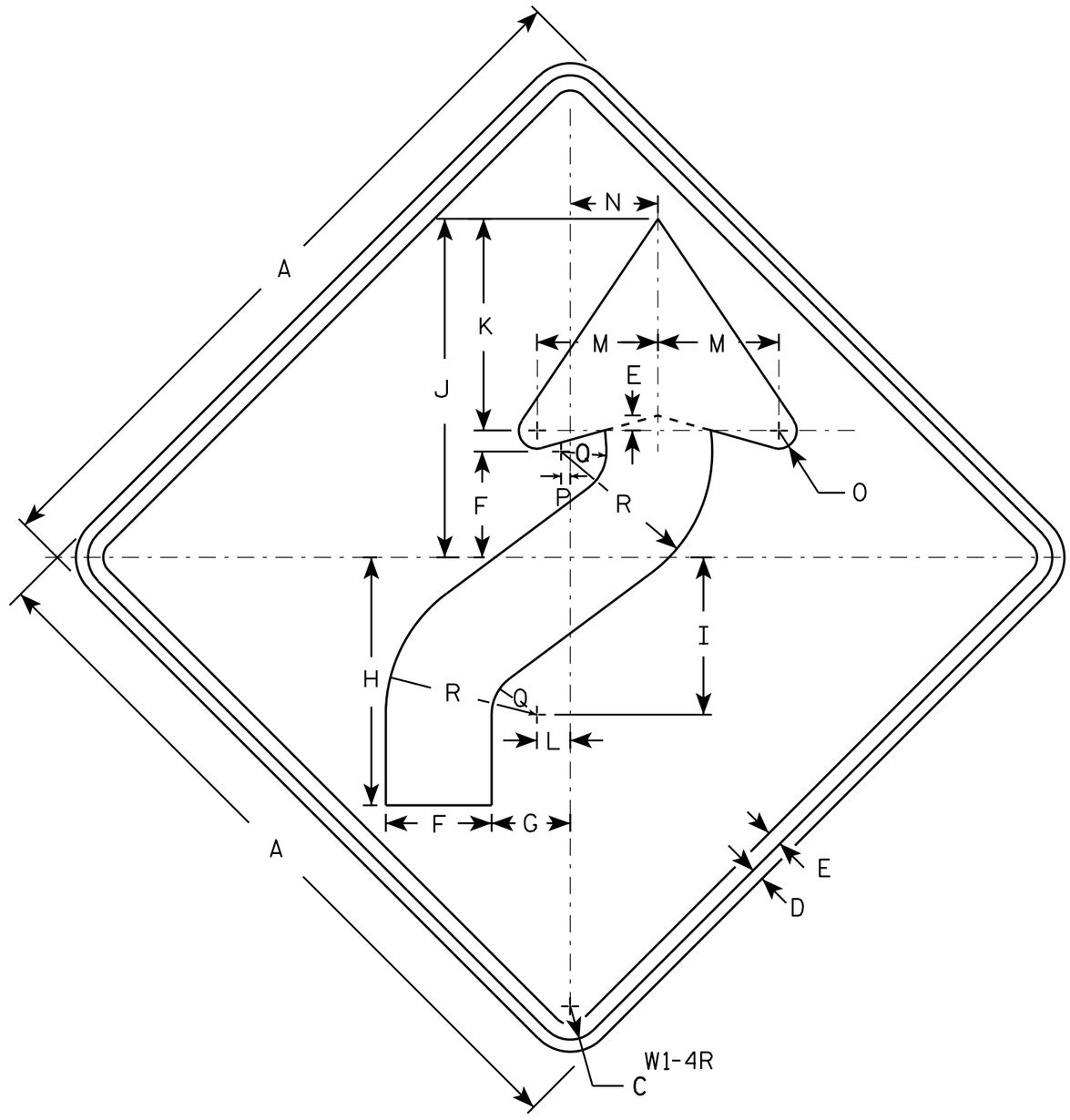
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 500 | E

7



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

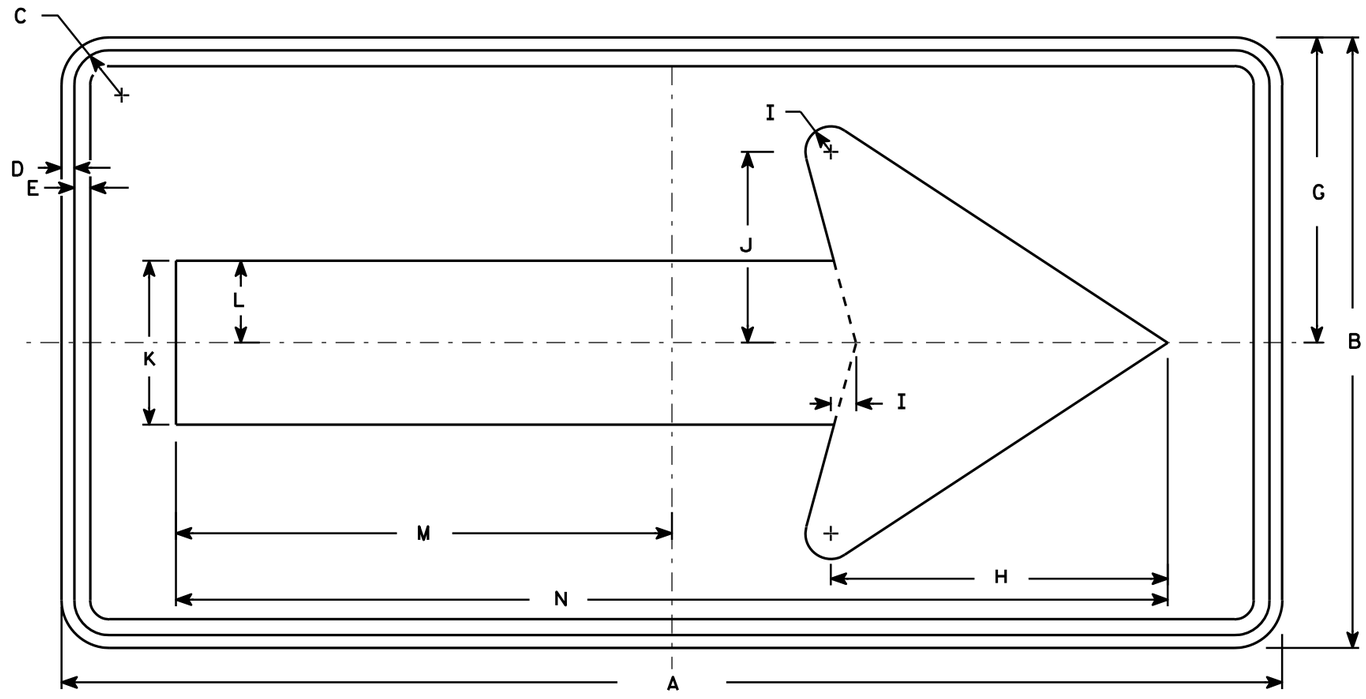
STANDARD SIGN
W1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 501 | E



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

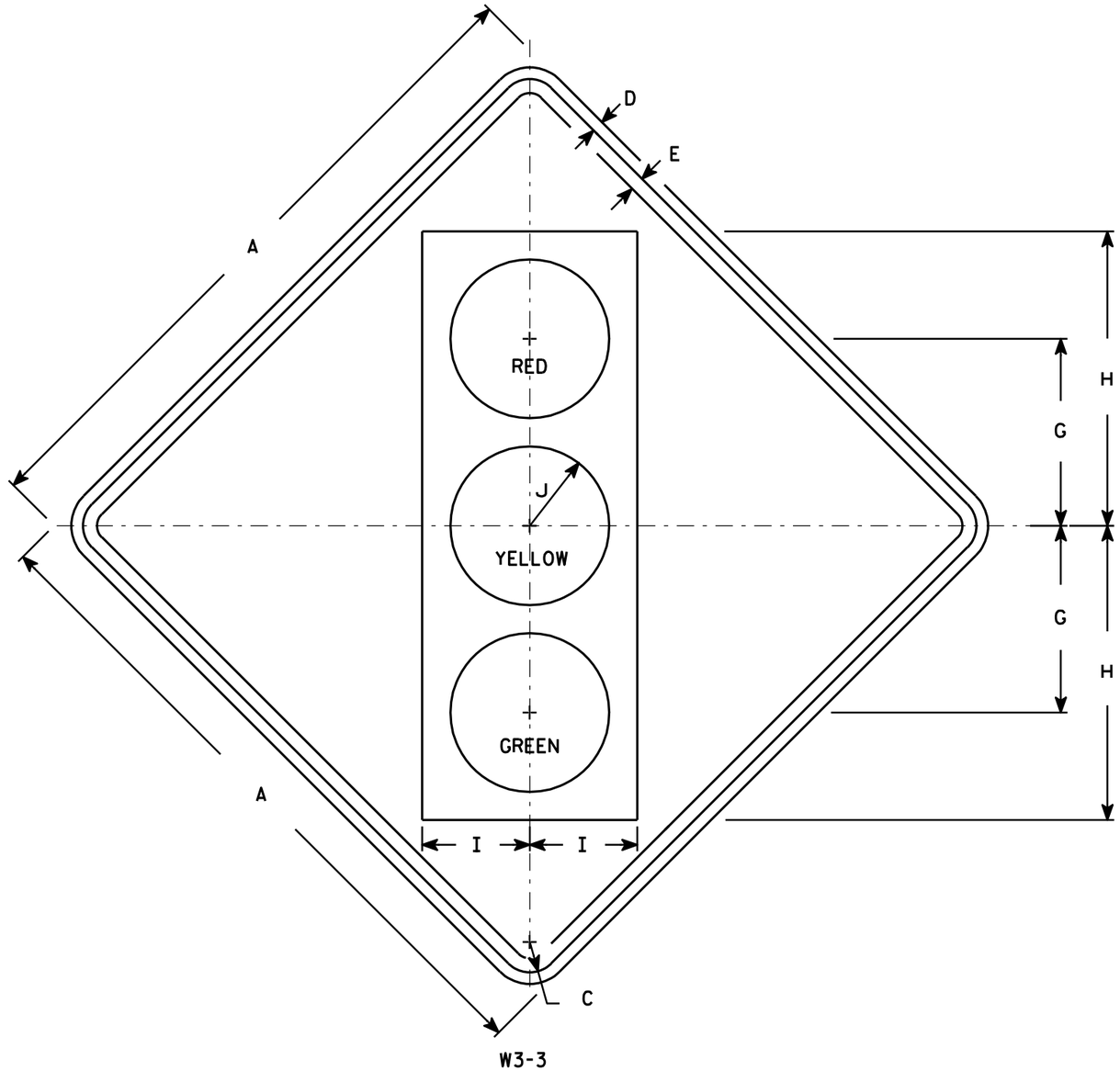
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 502



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	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		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

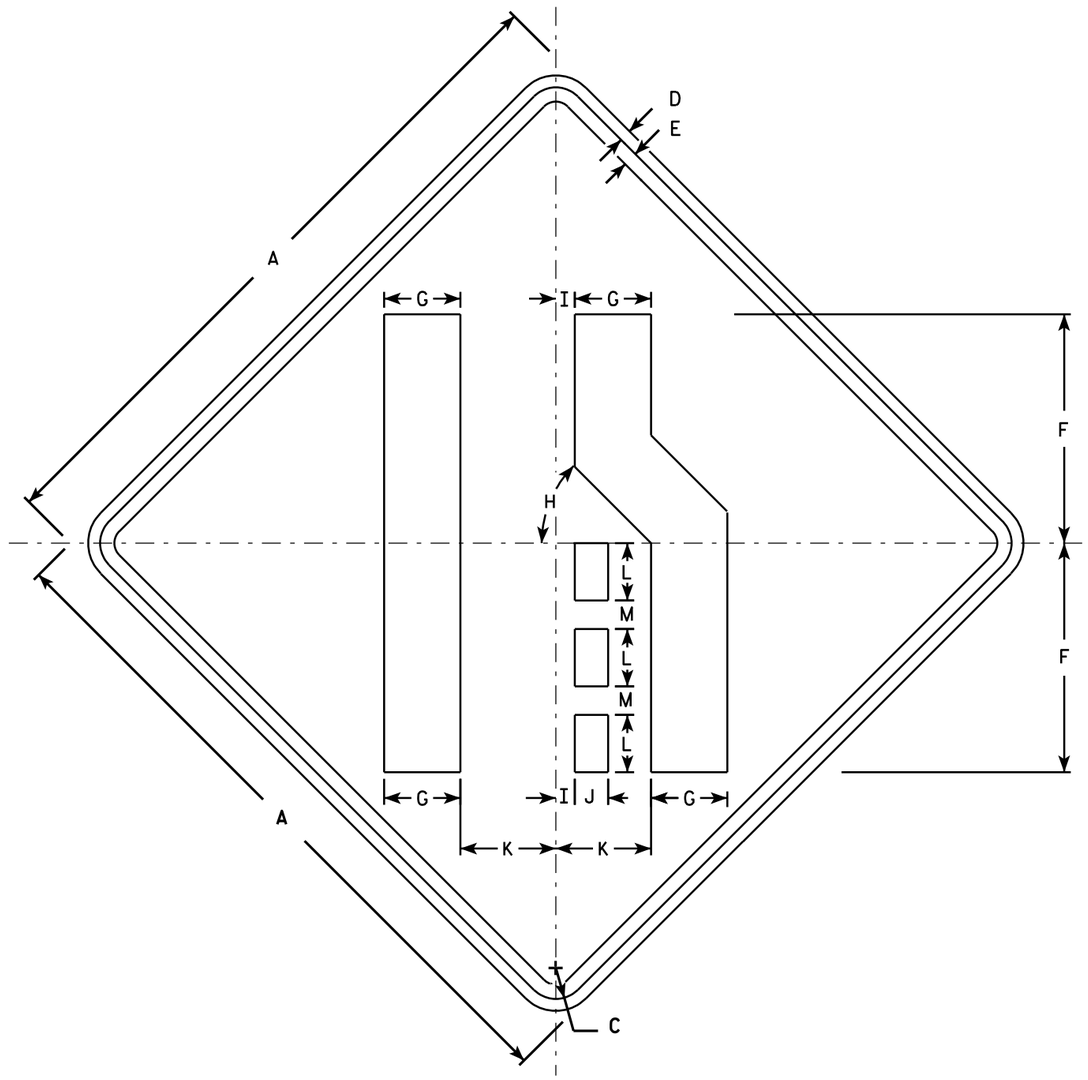
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 503 | E



W4-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

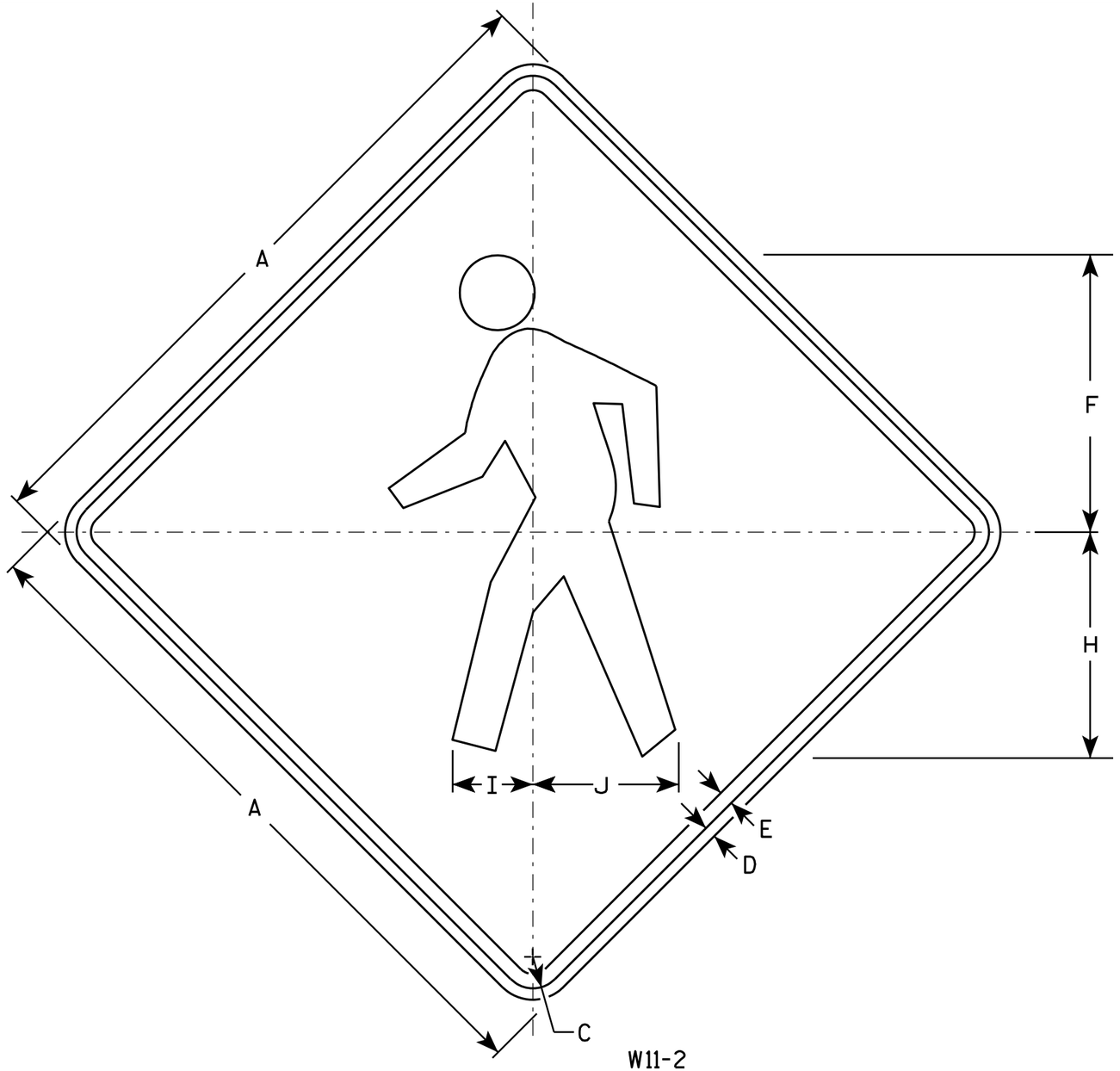
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/29/2012 PLATE NO. W4-2.13

PROJECT NO:

SHEET NO: 504 E



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

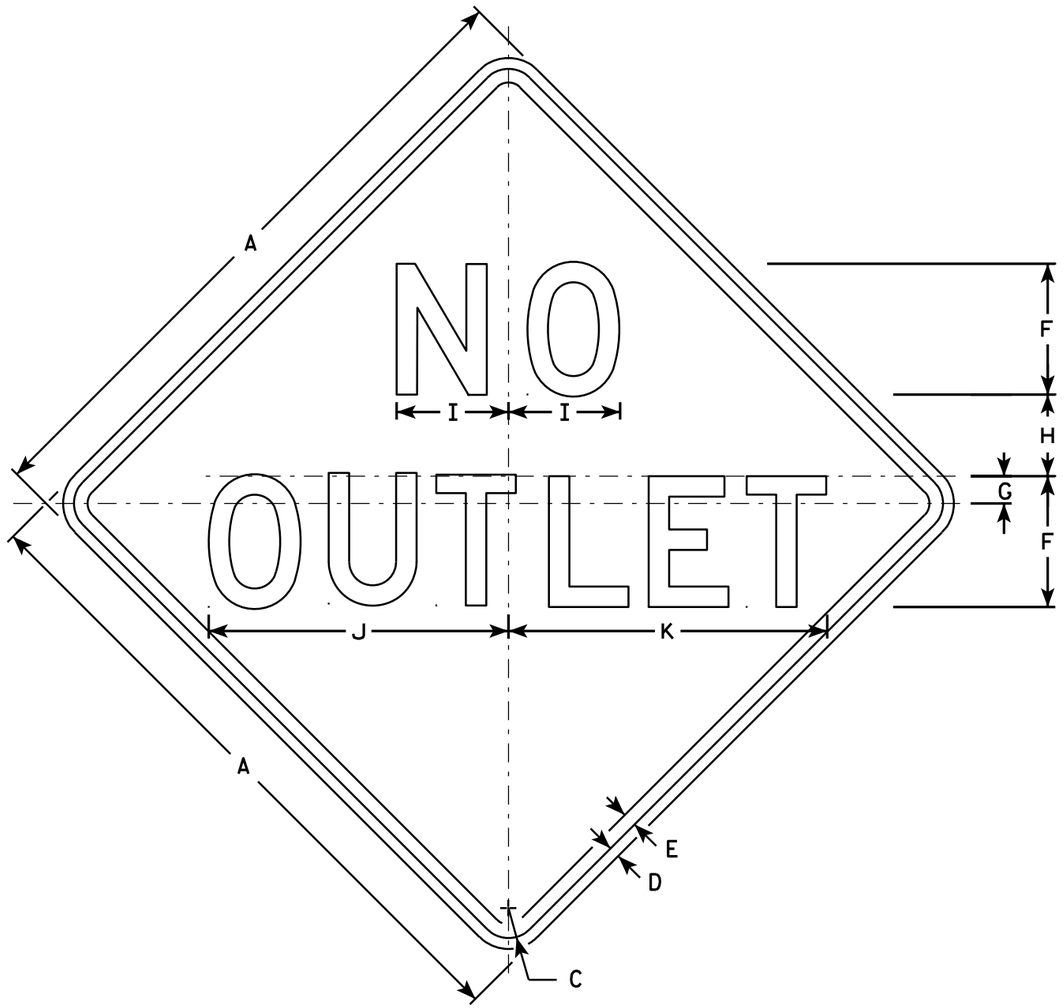
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 505	E



W14-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	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	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		1 5/8	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

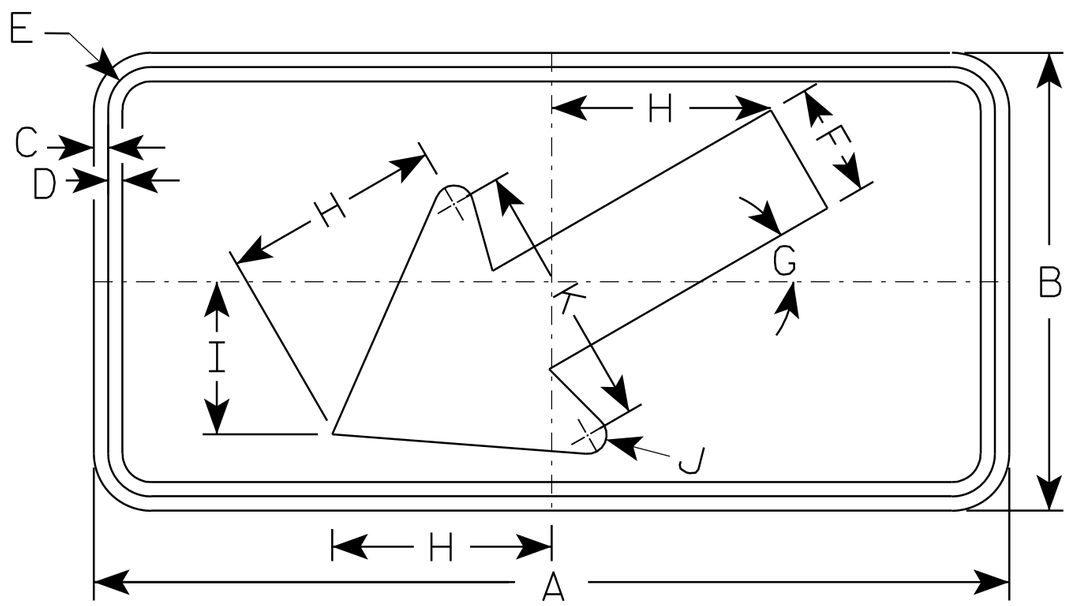
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W14-2.2

PROJECT NO:

SHEET NO: 506 E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

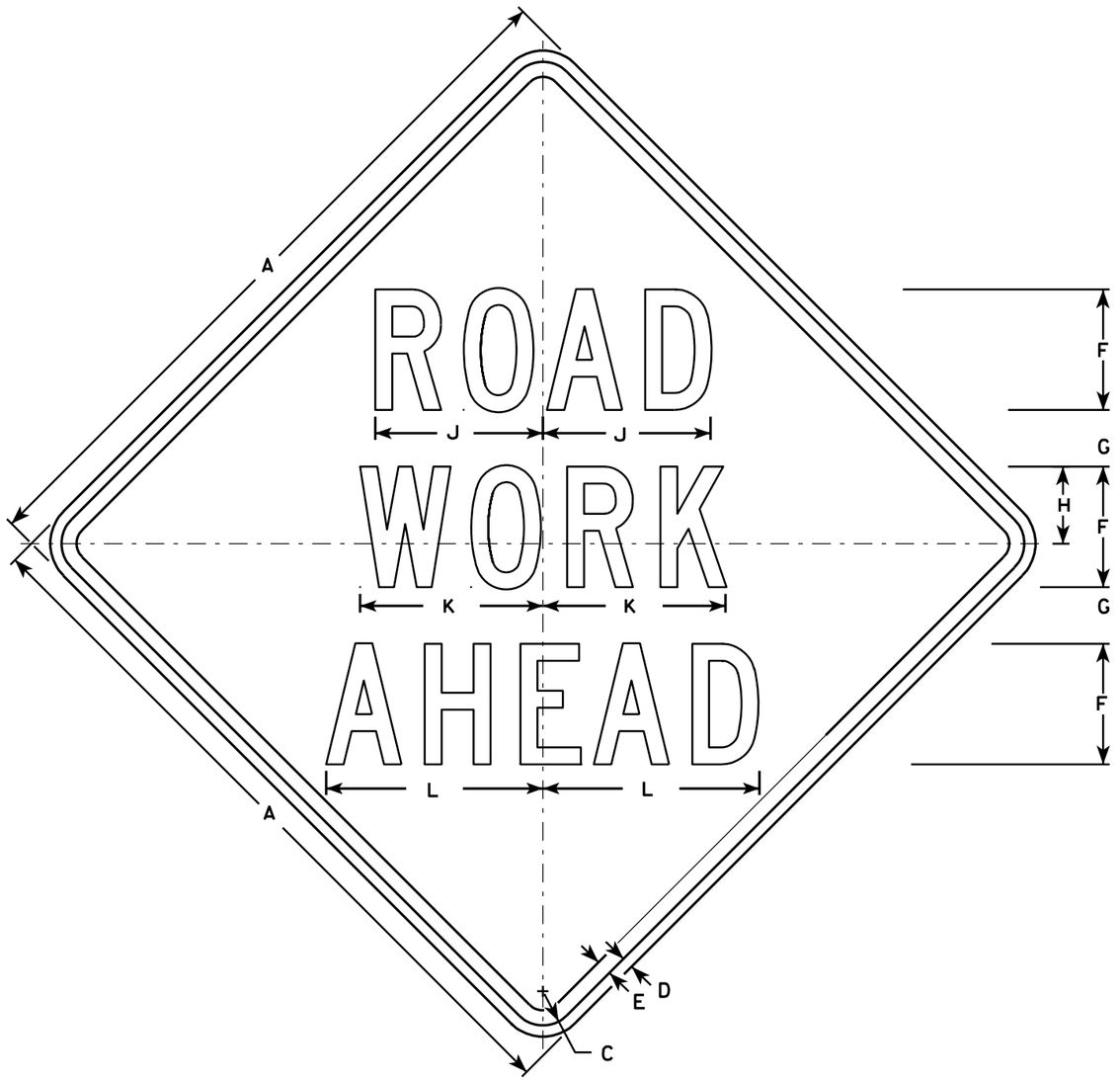
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

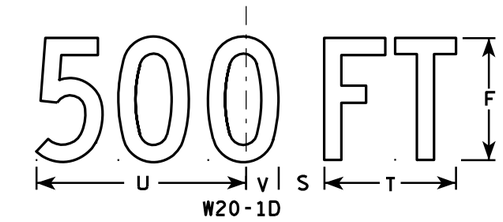
APPROVED Matthew R Rauch
for State Traffic Engineer

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

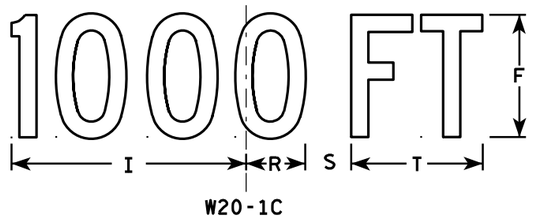
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 507	E



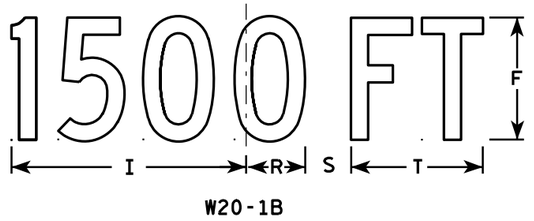
W20-1A



W20-1D



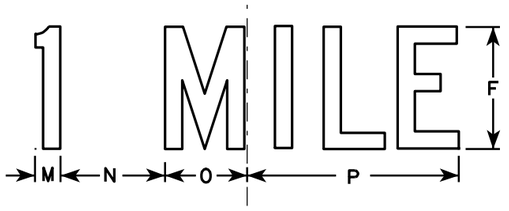
W20-1C



W20-1B



W20-1G



W20-1F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	1 7/8	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8		3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-1.9

PROJECT NO:

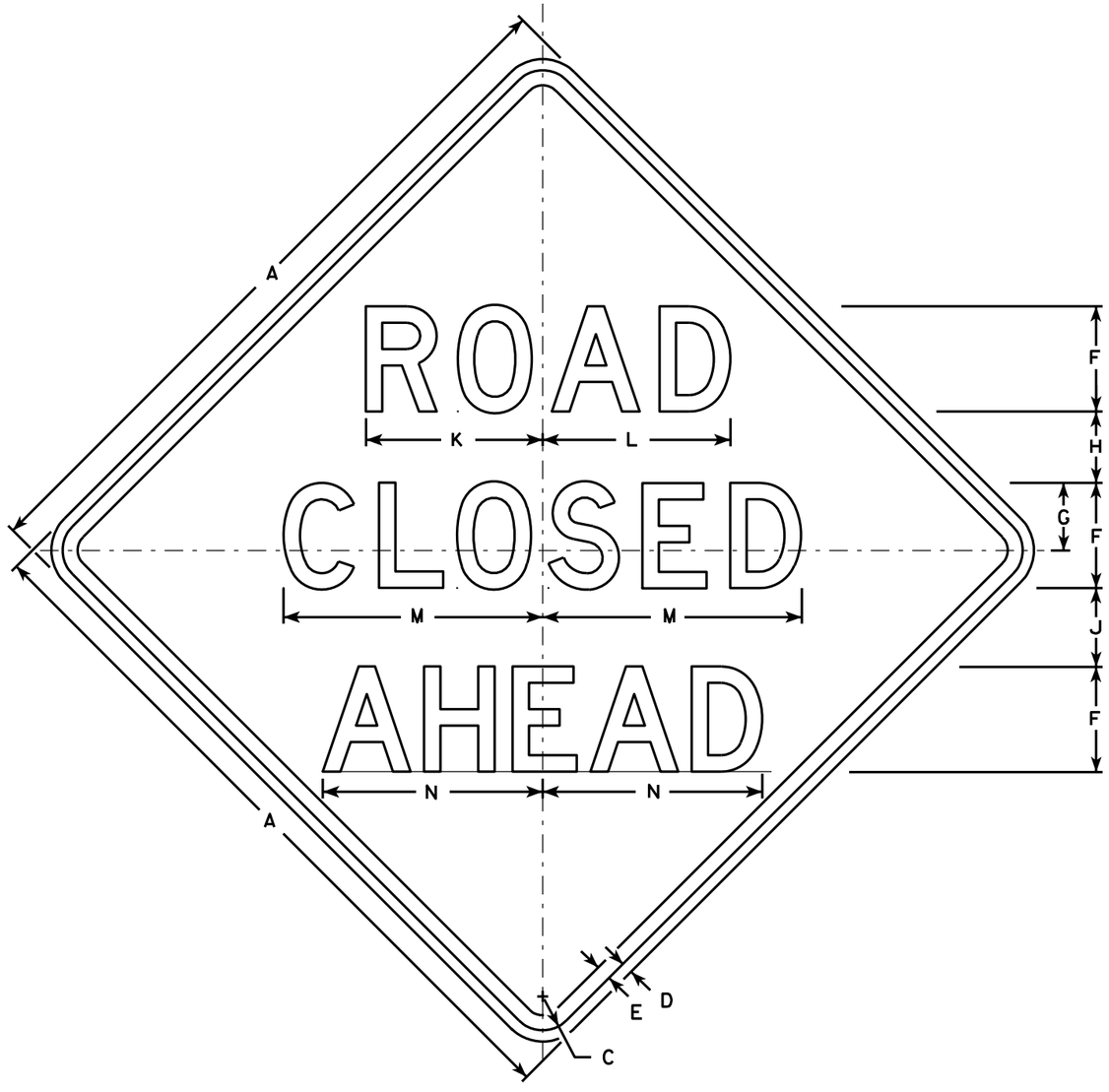
SHEET NO: 508 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W201.DGN PLOT DATE : 18-MAR-2011 09:56 PLOT BY : mscj9h

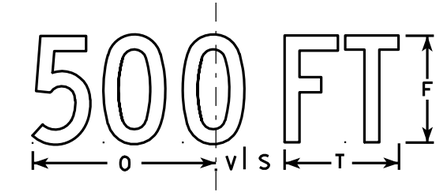
WISDOT/CADDS SHEET 42

7

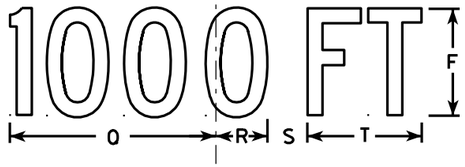
7



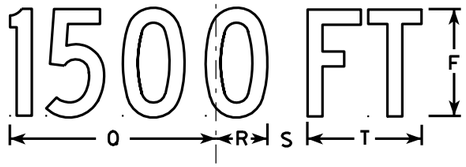
W20-3A



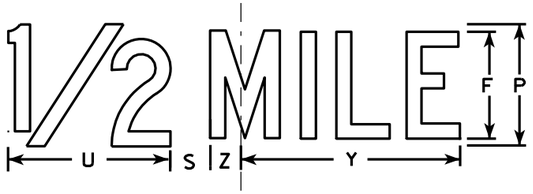
W20-3D



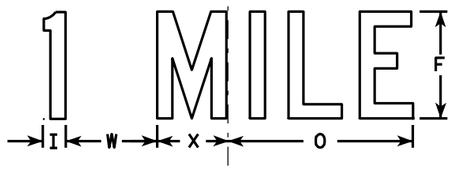
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

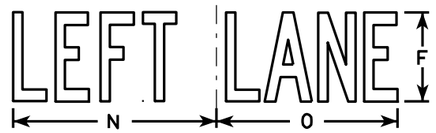
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 509 | E

7

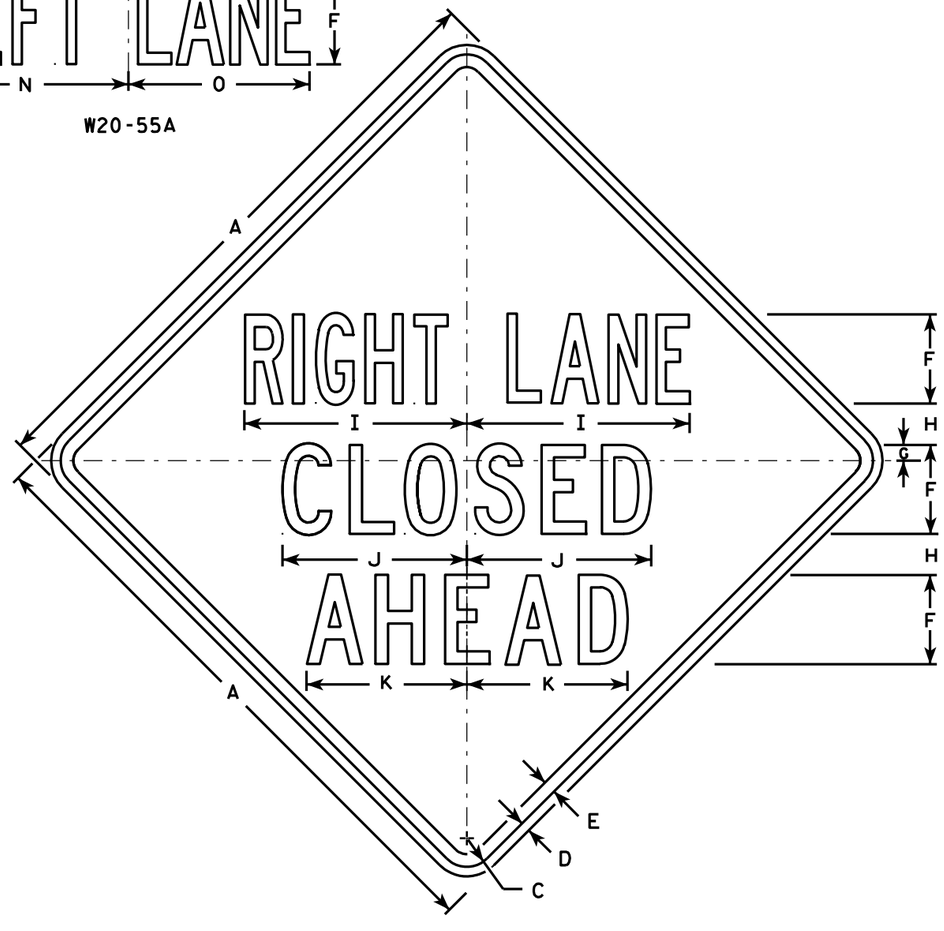
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



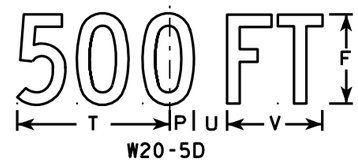
W20-56A



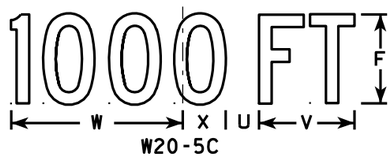
W20-55A



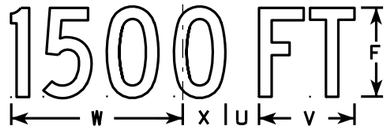
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

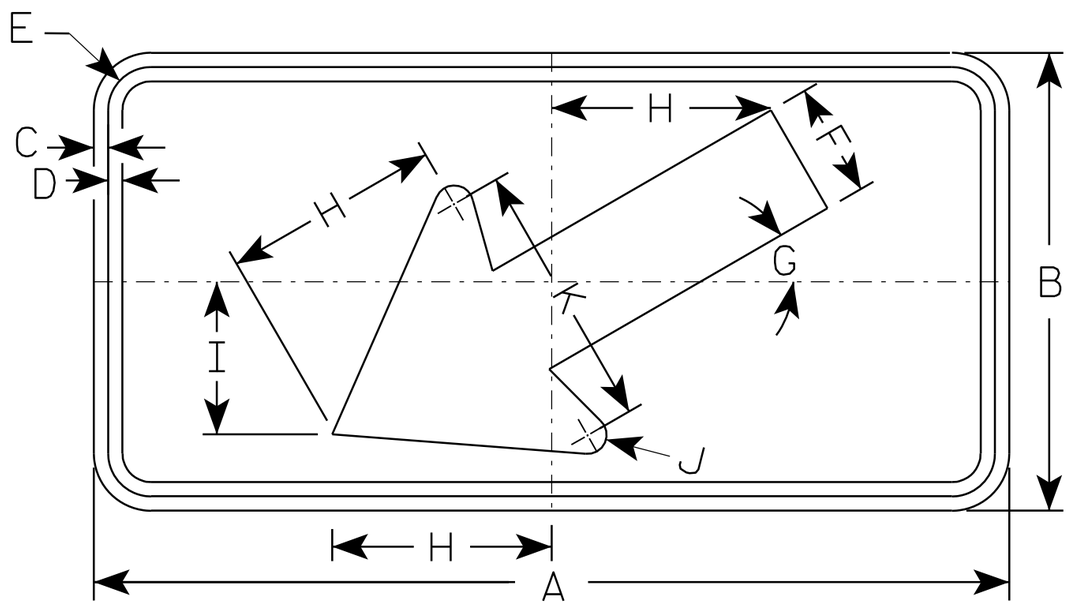
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 510 | E

7

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



WF16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WF16-7R are the same as WF-16-7L 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	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

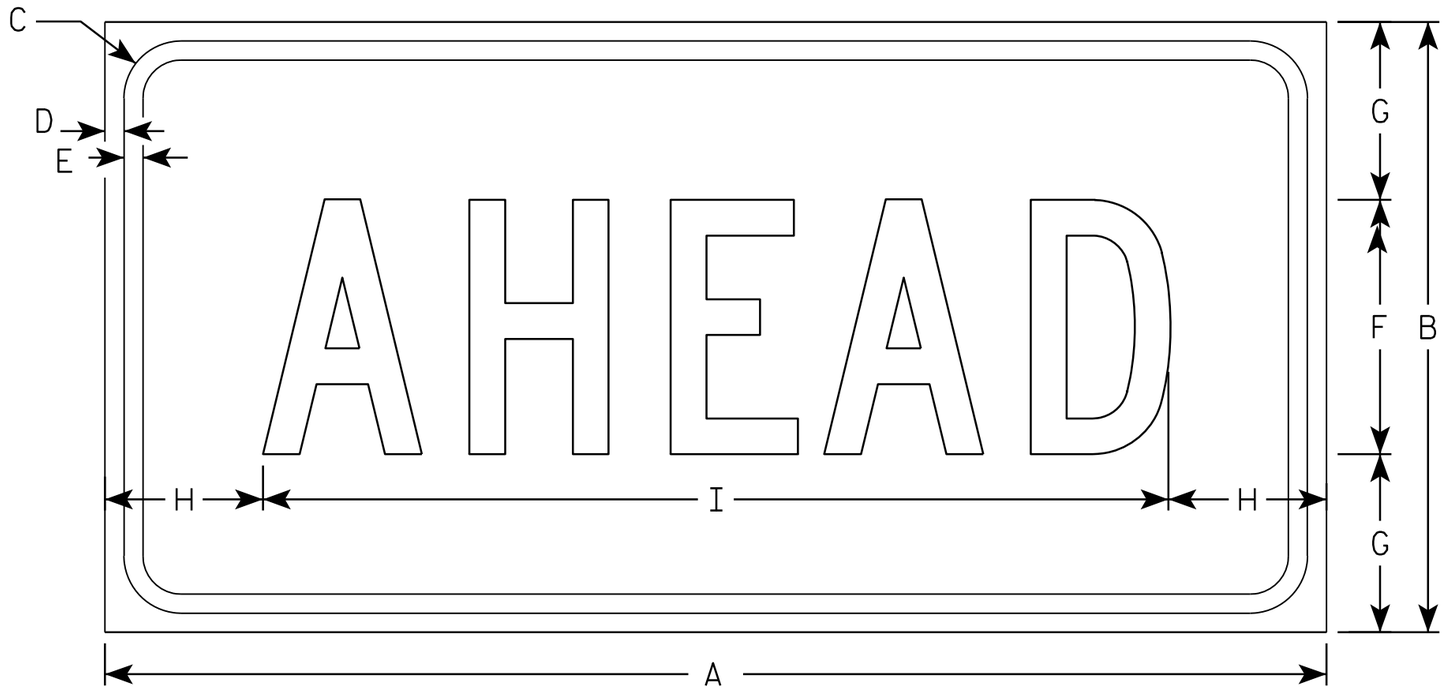
STANDARD SIGN
WF16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/21/10 PLATE NO. WF16-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 511 | E



WF16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
WF16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/29/2012 PLATE NO. WF16-9P.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 512	E

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
101+50.00	10150		0	0	2	0	0	0	0	0	0	0	0	0	0
101+61.00	10161	11	0	0	2	0	0	0	1	0	0	1	0	0	-1
102+00.00	10200	39	0	0	1	0	0	0	2	0	0	4	0	0	-3
102+32.00	10232	32	0	0	1	0	0	0	1	0	1	5	0	0	-4
102+50.00	10250	18	1	0	0	0	0	0	0	0	1	5	0	0	-4
102+91.00	10291	41	1	0	0	0	1	0	0	0	2	5	0	0	-3
103+00.00	10300	9	0	0	0	0	0	0	0	0	2	5	0	0	-3
103+50.00	10350	50	2	0	0	0	2	0	0	0	5	5	0	0	-1
103+59.00	10359	9	3	0	0	0	1	0	0	0	5	5	0	0	0
103+82.00	10382	23	2	0	0	0	2	0	0	0	7	5	0	0	2
104+00.00	10400	18	2	0	0	0	1	0	0	0	9	5	0	0	3
104+22.00	10422	22	2	0	0	0	1	0	0	0	10	5	0	0	5
104+50.00	10450	28	2	0	0	0	2	0	0	0	12	5	0	0	7
104+63.00	10463	13	2	0	0	0	1	0	0	0	13	5	0	0	8
105+00.00	10500	37	2	0	0	0	2	0	0	0	15	5	0	0	10
105+50.00	10550	50	2	0	0	0	4	0	0	0	19	6	0	0	13
105+75.00	10575	25	2	0	0	0	2	0	0	0	21	6	0	0	15
106+00.00	10600	25	2	0	0	0	2	0	0	0	22	6	0	0	17
106+36.00	10636	36	1	0	0	0	2	0	0	0	25	6	0	0	19
106+50.00	10650	14	1	0	0	0	1	0	0	0	25	6	0	0	20
107+00.00	10700	50	1	0	0	0	2	0	0	0	27	6	0	0	21
107+42.00	10742	42	1	0	0	0	2	0	0	0	29	6	0	0	23
107+50.00	10750	8	1	0	0	0	0	0	0	0	29	6	0	0	23
108+00.00	10800	50	2	0	0	0	3	0	0	0	32	6	0	0	26
108+41.00	10841	41	2	0	0	0	3	0	0	0	35	6	0	0	29
108+50.00	10850	9	1	0	0	0	0	0	0	0	35	6	0	0	29
109+00.00	10900	50	1	0	0	0	2	0	0	0	37	6	0	0	31
109+50.00	10950	50	1	0	0	0	2	0	0	0	38	6	0	0	32
110+00.00	11000	50	1	0	0	0	1	0	0	0	40	6	0	0	33
110+50.00	11050	50	2	0	0	0	3	0	0	0	42	6	0	0	36
110+79.00	11079	29	2	0	0	0	2	0	0	0	45	6	0	0	38
111+00.00	11100	21	2	0	0	0	1	0	0	0	46	6	0	0	39
111+18.00	11118	18	3	0	0	0	1	0	0	0	47	6	0	0	41
111+23.00	11123	5	2	0	0	0	0	0	0	0	48	6	0	0	41
					COLUMN TOTALS		48	0	5	0					

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
62+50.00	6250		6	2	0	0	0	0	0	0	0	0	0	0	0
63+00.00	6300	50	20	4	0	0	24	5	0	0	24	0	0	0	19
63+29.00	6329	29	18	4	0	0	20	4	0	0	44	0	0	0	35
63+50.00	6350	21	6	2	3	0	9	2	1	0	53	1	0	0	41
64+00.00	6400	50	5	2	0	0	10	3	2	0	63	4	0	0	45
64+16.00	6416	16	24	5	0	0	9	2	0	0	71	4	0	0	51
64+50.00	6450	34	4	2	1	0	17	4	1	0	89	5	0	0	63
65+00.00	6500	50	4	2	1	0	7	3	2	0	96	7	0	0	66
65+50.00	6550	50	5	2	0	0	9	3	1	0	105	8	0	0	71
65+81.00	6581	31	32	7	0	0	21	5	0	0	126	8	0	0	87
66+00.00	6600	19	35	5	0	0	24	4	0	0	150	8	0	0	107
66+50.00	6650	50	7	2	0	0	39	6	0	0	189	8	0	0	140
67+00.00	6700	50	4	2	0	0	10	3	0	0	200	8	0	0	147
67+50.00	6750	50	5	2	1	0	8	3	1	0	208	10	0	0	151
68+00.00	6800	50	17	3	0	0	20	4	1	0	228	11	0	0	166
68+50.00	6850	50	4	2	2	0	19	4	1	0	247	13	0	0	179
68+89.00	6889	39	21	3	0	0	18	3	1	0	266	14	0	0	193
69+00.00	6900	11	24	3	0	0	9	1	0	0	275	14	0	0	201
69+50.00	6950	50	6	2	1	0	28	4	1	0	303	15	0	0	224
70+00.00	7000	50	4	3	0	0	10	4	1	0	313	16	0	0	228
70+50.00	7050	50	5	2	1	0	9	4	1	0	321	17	0	0	232
71+50.00	7150	100	7	2	1	0	22	6	4	0	344	22	0	0	243
72+00.00	7200	50	8	2	0	0	14	3	1	0	357	23	0	0	252
72+50.00	7250	50	20	3	0	0	26	4	0	0	383	23	0	0	274
73+00.00	7300	50	4	3	0	0	23	5	0	0	406	24	0	0	292
73+50.00	7350	50	4	3	1	0	7	5	1	0	414	25	0	0	292
74+00.00	7400	50	4	2	1	0	7	4	2	0	420	28	0	0	292
74+50.00	7450	50	3	2	2	0	6	3	3	0	427	31	0	0	292
74+86.00	7486	36	14	3	0	0	11	3	1	0	438	32	0	0	299
75+00.00	7500	14	4	2	3	0	5	1	1	0	443	33	0	0	302
75+50.00	7550	50	3	2	3	0	7	3	5	0	449	40	0	0	299
76+00.00	7600	50	4	2	2	0	6	3	4	0	456	45	0	0	297
76+50.00	7650	50	3	2	2	0	6	3	3	0	462	49	0	0	296
76+75.00	7675	25	13	3	0	0	7	2	1	0	469	50	0	0	300
77+00.00	7700	25	3	2	3	0	8	2	1	0	477	52	0	0	304
77+50.00	7750	50	5	2	1	0	8	3	4	0	485	57	0	0	304
78+00.00	7800	50	7	2	0	0	12	3	1	0	496	58	0	0	311
78+21.00	7821	21	16	3	0	0	9	2	0	0	505	59	0	0	318
78+50.00	7850	29	7	2	0	0	12	2	0	0	517	59	0	0	328
79+00.00	7900	50	23	3	0	0	28	4	0	0	545	59	0	0	352
79+50.00	7950	50	6	2	0	0	27	4	0	0	572	59	0	0	374
79+86.00	7986	36	47	6	0	0	35	5	0	0	607	59	0	0	403
80+00.00	8000	14	15	3	0	0	16	2	0	0	623	59	0	0	417
80+50.00	8050	50	15	2	0	0	28	4	0	0	651	60	0	0	440
80+72.00	8072	0	40	6	0	0	0	0	0	0	651	60	0	0	440
81+00.00	8100	28	10	2	0	0	26	4	0	0	677	60	0	0	463
81+31.00	8131	31	38	6	0	0	28	4	0	0	705	60	0	0	486
81+50.00	8150	19	7	2	0	0	16	3	0	0	721	60	0	0	499
81+90.00	8190	40	28	4	0	0	27	4	0	0	747	60	0	0	521
82+00.00	8200	10	7	3	0	0	7	1	0	0	754	60	0	0	527
82+35.00	8235	35	24	2	0	0	20	3	0	0	774	60	0	0	544
82+50.00	8250	15	4	2	0	0	8	1	0	0	781	60	0	0	550
83+00.00	8300	50	3	2	1	0	7	3	1	0	788	61	0	0	553
83+50.00	8350	50	0	3	2	0	3	4	3	0	791	65	0	0	549
84+00.00	8400	50	3	2	1	0	3	4	3	0	794	69	0	0	544
84+50.00	8450	50	2	2	1	0	5	3	2	0	799	71	0	0	543
85+00.00	8500	50	3	2	1	0	4	3	2	0	803	73	0	0	543
85+50.00	8550	50	21	2	0	0	21	3	1	0	824	73	0	0	560
86+00.00	8600	50	4	2	0	0	23	3	0	0	847	74	0	0	580
86+50.00	8650	50	23	3	0	0	25	4	0	0	872	74	0	0	600
87+00.00	8700	50	4	2	0	0	25	4	0	0	896	75	0	0	619
88+50.00	8850	150	18	2	0	0	60	9	1	0	956	76	0	0	669
89+00.00	8900	50	32	2	0	0	46	3	0	0	1,003	76	0	0	712
89+17.00	8917	17	43	2	0	0	24	1	0	0	1,026	76	0	0	735
89+50.00	8950	33	24	2	0	0	41	2	0	0	1,067	76	0	0	774

NOTES:

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4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
89+77.00	8977	27	10	3	0	0	17	2	0	0	1,084	76	0	0	789
90+00.00	9000	23	10	2	0	0	8	2	0	0	1,092	76	0	0	795
90+50.00	9050	50	21	2	0	0	29	3	0	0	1,121	76	0	0	821
91+00.00	9100	50	8	2	0	0	28	3	0	0	1,148	76	0	0	845
91+20.00	9120	20	5	2	0	0	5	1	0	0	1,153	76	0	0	849
91+50.00	9150	30	4	3	0	0	5	3	0	0	1,158	77	0	0	851
93+00.00	9300	150	2	3	1	0	15	16	3	0	1,173	81	0	0	846
93+29.00	9329	29	2	3	1	0	2	3	1	0	1,175	81	0	0	844
93+50.00	9350	21	3	2	0	0	2	2	0	0	1,177	82	0	0	844
94+00.00	9400	50	5	3	0	0	7	4	0	0	1,183	82	0	0	846
94+50.00	9450	50	6	3	0	0	10	5	0	0	1,194	82	0	0	852
95+00.00	9500	50	9	2	0	0	14	4	0	0	1,208	82	0	0	862
95+50.00	9550	50	7	2	0	0	15	3	0	0	1,223	82	0	0	874
96+00.00	9600	50	6	3	0	0	13	4	0	0	1,235	82	0	0	883
97+50.00	9750	150	8	2	0	0	40	12	0	0	1,275	82	0	0	910
98+00.00	9800	50	19	3	0	0	25	4	0	0	1,300	82	0	0	932
98+50.00	9850	50	8	2	0	0	25	4	0	0	1,325	82	0	0	953
98+75.00	9875	25	21	3	0	0	13	2	0	0	1,338	82	0	0	964
99+00.00	9900	25	11	2	0	0	15	2	0	0	1,353	82	0	0	976
99+13.00	9913	13	47	6	0	0	14	2	0	0	1,367	82	0	0	988
99+50.00	9950	37	16	2	0	0	43	5	0	0	1,410	82	0	0	1,027
100+00.00	10000	50	64	11	0	0	74	12	0	0	1,484	82	0	0	1,089
100+50.00	10050	50	9	2	2	0	68	12	2	0	1,552	85	0	0	1,142
101+50.00	10150	100	5	2	1	0	26	6	6	0	1,578	93	0	0	1,154
101+61.00	10161	11	30	6	0	0	7	1	0	0	1,585	93	0	0	1,159
102+00.00	10200	39	8	2	1	0	27	5	1	0	1,612	94	0	0	1,181
102+32.00	10232	32	45	10	0	0	31	7	0	0	1,643	94	0	0	1,205
102+50.00	10250	18	7	2	0	0	17	4	0	0	1,661	94	0	0	1,218
102+91.00	10291	41	33	6	0	0	30	5	0	0	1,691	95	0	0	1,242
103+00.00	10300	9	36	3	0	0	12	1	0	0	1,702	95	0	0	1,252
103+50.00	10350	50	25	2	0	0	57	4	0	0	1,759	95	0	0	1,305
103+59.00	10359	9	24	4	0	0	8	1	0	0	1,767	95	0	0	1,313
103+82.00	10382	0	29	5	0	0	0	0	0	0	1,767	95	0	0	1,313
104+00.00	10400	18	6	2	1	0	12	2	0	0	1,779	95	0	0	1,322
104+22.00	10422	22	5	2	1	0	5	1	1	0	1,783	96	0	0	1,324
104+50.00	10450	28	13	2	1	0	9	2	1	0	1,793	97	0	0	1,331
104+63.00	10463	13	28	7	0	0	10	2	0	0	1,803	97	0	0	1,339
105+00.00	10500	37	5	2	1	0	22	6	1	0	1,825	98	0	0	1,355
105+50.00	10550	50	8	2	0	0	12	3	1	0	1,837	99	0	0	1,363
105+75.00	10575	25	24	5	0	0	15	3	0	0	1,852	99	0	0	1,375
106+00.00	10600	25	4	2	1	0	13	3	0	0	1,865	99	0	0	1,384
106+36.00	10636	36	22	5	0	0	17	4	1	0	1,881	100	0	0	1,396
106+50.00	10650	14	4	2	2	0	7	2	1	0	1,888	101	0	0	1,401
107+00.00	10700	50	2	2	4	0	6	3	6	0	1,894	108	0	0	1,397
108+00.00	10800	100	5	4	1	0	14	10	10	0	1,908	121	0	0	1,388
108+41.00	10841	41	4	5	2	0	7	7	3	0	1,915	124	0	0	1,385
108+50.00	10850	9	4	5	2	0	1	2	1	0	1,916	125	0	0	1,384
109+00.00	10900	50	5	5	1	0	8	9	3	0	1,924	129	0	0	1,378
109+50.00	10950	50	31	6	0	0	33	10	1	0	1,957	130	0	0	1,399
110+00.00	11000	50	6	2	0	0	34	7	0	0	1,991	130	0	0	1,426
110+50.00	11050	50	5	2	0	0	10	3	0	0	2,001	130	0	0	1,434
110+79.00	11079	29	5	2	0	0	6	2	0	0	2,007	131	0	0	1,438
111+00.00	11100	21	5	2	0	0	4	1	0	0	2,011	131	0	0	1,440
111+18.00	11118	18	5	2	0	0	3	1	0	0	2,015	131	0	0	1,443
111+23.00	11123	5	5	2	0	0	1	0	0	0	2,015	131	0	0	1,443
					COLUMN TOTALS		2,015	441	104	0					

NOTES:

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6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 4	CUMULATIVE VOL (CY) REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
58+90.00	5890		21	2	0	0	0	0	0	0	0	0	0	0	0
59+00.00	5900	10	21	2	0	0	8	1	0	0	8	0	0	0	7
59+50.00	5950	50	22	2	0	0	39	3	0	0	47	0	0	0	43
60+00.00	6000	50	21	2	0	0	40	3	0	0	87	0	0	0	81
60+50.00	6050	50	21	2	0	0	40	3	0	0	127	0	0	0	117
61+00.00	6100	50	20	2	0	0	39	3	0	0	165	0	0	0	153
62+50.00	6250	150	34	2	0	0	151	10	0	0	316	0	0	0	294
63+00.00	6300	50	35	2	0	0	64	4	0	0	380	0	0	0	354
63+29.00	6329	29	32	2	0	0	36	2	0	0	416	0	0	0	388
63+50.00	6350	21	38	2	0	0	27	2	0	0	444	0	0	0	414
64+00.00	6400	50	30	2	0	0	63	4	0	0	507	0	0	0	473
64+16.00	6416	16	27	2	0	0	17	1	0	0	524	0	0	0	489
64+50.00	6450	34	24	2	0	0	32	3	0	0	556	0	0	0	519
65+00.00	6500	50	14	2	5	0	35	4	4	0	591	5	0	0	545
65+50.00	6550	50	20	2	1	0	31	4	5	0	622	12	0	0	566
65+81.00	6581	31	26	2	0	0	27	2	1	0	649	13	0	0	589
66+00.00	6600	19	31	2	0	0	20	1	0	0	669	13	0	0	608
66+50.00	6650	50	29	2	0	0	56	4	0	0	725	13	0	0	660
67+00.00	6700	50	23	2	0	0	49	4	0	0	774	13	0	0	705
67+50.00	6750	50	22	2	0	0	42	4	0	0	816	13	0	0	743
68+00.00	6800	50	20	2	0	0	39	4	0	0	855	13	0	0	779
68+50.00	6850	50	21	2	0	0	38	4	0	0	893	13	0	0	813
68+89.00	6889	39	24	2	0	0	33	3	0	0	926	13	0	0	843
69+00.00	6900	11	25	2	0	0	10	1	0	0	936	13	0	0	852
69+50.00	6950	50	22	2	0	0	43	4	0	0	979	13	0	0	892
70+00.00	7000	50	23	2	0	0	42	4	0	0	1,021	13	0	0	929
70+50.00	7050	50	27	2	0	0	46	4	0	0	1,067	13	0	0	972
71+00.00	7100	50	26	2	0	0	50	4	0	0	1,116	13	0	0	1,018
71+50.00	7150	50	32	2	0	0	55	4	0	0	1,171	13	0	0	1,069
72+00.00	7200	50	32	2	0	0	60	4	0	0	1,230	13	0	0	1,124
72+50.00	7250	50	27	2	0	0	55	4	0	0	1,285	13	0	0	1,175
73+00.00	7300	50	23	2	0	0	47	4	0	0	1,331	13	0	0	1,218
73+50.00	7350	50	22	2	0	0	41	4	0	0	1,373	13	0	0	1,256
74+00.00	7400	50	20	2	0	0	38	4	0	0	1,411	13	0	0	1,290
74+50.00	7450	50	22	2	0	0	39	4	0	0	1,450	13	0	0	1,326
74+86.00	7486	36	28	2	0	0	33	3	0	0	1,484	13	0	0	1,357
75+00.00	7500	14	31	2	0	0	15	1	0	0	1,499	13	0	0	1,371
75+50.00	7550	50	35	2	0	0	61	4	0	0	1,560	13	0	0	1,428
76+00.00	7600	50	32	2	0	0	62	4	0	0	1,622	13	0	0	1,486
76+50.00	7650	50	34	2	0	0	61	4	0	0	1,683	13	0	0	1,544
76+75.00	7675	25	45	2	0	0	36	2	0	0	1,720	13	0	0	1,578
77+00.00	7700	25	52	2	0	0	45	2	0	0	1,765	13	0	0	1,622
77+50.00	7750	50	54	2	0	0	98	4	0	0	1,863	13	0	0	1,716
78+00.00	7800	50	46	2	0	0	92	4	0	0	1,955	13	0	0	1,804
78+21.00	7821	0	41	2	0	0	0	0	0	0	1,955	13	0	0	1,804
78+50.00	7850	29	38	2	0	0	42	2	0	0	1,997	13	0	0	1,845
79+00.00	7900	50	46	2	0	0	78	4	0	0	2,075	13	0	0	1,919
79+50.00	7950	50	54	2	0	0	93	4	0	0	2,168	13	0	0	2,008
79+86.00	7986	36	56	2	0	0	73	3	0	0	2,241	13	0	0	2,079
80+00.00	8000	14	57	2	0	0	29	1	0	0	2,271	13	0	0	2,107
80+50.00	8050	50	39	2	0	0	88	4	0	0	2,359	13	0	0	2,191
80+72.00	8072	22	34	2	1	0	29	2	0	0	2,388	14	0	0	2,218
81+00.00	8100	28	29	2	2	0	32	2	1	0	2,420	16	0	0	2,247
81+31.00	8131	31	28	2	2	0	33	2	2	0	2,453	19	0	0	2,274
81+50.00	8150	19	29	2	2	0	20	1	1	0	2,473	21	0	0	2,291
81+90.00	8190	40	30	2	1	0	44	3	2	0	2,518	23	0	0	2,330
82+00.00	8200	10	33	2	1	0	12	1	0	0	2,529	24	0	0	2,340
82+35.00	8235	35	34	2	1	0	43	3	1	0	2,572	25	0	0	2,380
82+50.00	8250	15	40	2	0	0	20	1	0	0	2,593	25	0	0	2,399
83+00.00	8300	50	37	2	0	0	71	4	0	0	2,664	26	0	0	2,466
83+50.00	8350	50	38	2	0	0	70	4	0	0	2,734	26	0	0	2,532
84+00.00	8400	50	45	2	0	0	77	4	0	0	2,811	26	0	0	2,605
84+50.00	8450	50	57	2	0	0	94	4	0	0	2,906	26	0	0	2,696
85+00.00	8500	50	53	2	0	0	102	4	0	0	3,008	26	0	0	2,794
85+50.00	8550	50	60	2	0	0	105	4	0	0	3,112	26	0	0	2,895

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
86+00.00	8600	50	49	2	0	0	101	4	0	0	3,213	26	0	0	2,992
86+50.00	8650	50	50	2	0	0	92	4	0	0	3,305	26	0	0	3,080
87+00.00	8700	50	51	2	0	0	94	4	0	0	3,398	26	0	0	3,170
88+00.00	8800	100	66	2	0	0	216	7	0	0	3,615	26	0	0	3,379
88+50.00	8850	50	63	2	0	0	119	3	0	0	3,734	26	0	0	3,495
89+00.00	8900	50	56	2	0	0	110	3	0	0	3,844	26	0	0	3,603
89+17.00	8917	17	48	5	0	0	33	2	0	0	3,876	26	0	0	3,633
89+50.00	8950	33	42	2	0	0	55	4	0	0	3,932	26	0	0	3,685
89+77.00	8977	27	48	6	0	0	45	4	0	0	3,977	26	0	0	3,726
90+00.00	9000	23	59	2	0	0	45	3	0	0	4,022	26	0	0	3,768
90+50.00	9050	50	73	4	0	0	123	5	0	0	4,145	26	0	0	3,886
91+00.00	9100	50	66	5	0	0	129	8	0	0	4,274	26	0	0	4,007
91+20.00	9120	20	77	2	0	0	53	3	0	0	4,327	26	0	0	4,058
91+50.00	9150	30	81	2	0	0	88	2	0	0	4,415	26	0	0	4,144
92+00.00	9200	50	96	7	0	0	164	8	0	0	4,579	26	0	0	4,300
92+32.00	9232	32	95	3	0	0	113	6	0	0	4,693	26	0	0	4,408
92+50.00	9250	18	93	3	0	0	63	2	0	0	4,755	26	0	0	4,468
93+00.00	9300	50	90	3	0	0	170	6	0	0	4,925	26	0	0	4,632
93+29.00	9329	29	92	7	0	0	98	5	0	0	5,023	26	0	0	4,724
93+50.00	9350	21	87	2	0	0	69	3	0	0	5,092	26	0	0	4,790
94+00.00	9400	50	52	2	0	0	129	4	0	0	5,221	26	0	0	4,915
94+50.00	9450	50	50	2	0	0	95	3	0	0	5,316	26	0	0	5,006
95+00.00	9500	50	48	2	0	0	91	3	0	0	5,407	26	0	0	5,095
95+50.00	9550	50	69	9	0	0	108	10	0	0	5,515	26	0	0	5,193
96+00.00	9600	50	80	2	0	0	138	10	0	0	5,653	26	0	0	5,321
96+50.00	9650	50	103	2	0	0	169	3	0	0	5,822	26	0	0	5,487
96+83.00	9683	33	105	2	0	0	127	2	0	0	5,948	26	0	0	5,611
97+00.00	9700	17	106	6	0	0	66	2	0	0	6,015	26	0	0	5,675
97+50.00	9750	50	101	2	0	0	192	7	0	0	6,207	26	0	0	5,860
98+00.00	9800	50	101	2	0	0	187	3	0	0	6,394	26	0	0	6,044
98+50.00	9850	50	101	2	0	0	187	3	0	0	6,580	26	0	0	6,228
98+75.00	9875	25	97	2	0	0	92	1	0	0	6,672	26	0	0	6,318
99+00.00	9900	0	75	2	0	0	0	0	0	0	6,672	26	0	0	6,318
99+13.00	9913	13	72	2	0	0	35	1	0	0	6,707	26	0	0	6,352
99+50.00	9950	37	79	2	0	0	103	2	0	0	6,810	26	0	0	6,453
100+00.00	10000	50	69	2	0	0	137	3	0	0	6,947	26	0	0	6,588
101+50.00	10150	150	67	1	5	0	379	7	13	0	7,326	42	0	0	6,944
101+61.00	10161	11	78	1	3	0	30	0	1	0	7,356	44	0	0	6,971
102+00.00	10200	39	86	1	1	0	118	1	3	0	7,474	47	0	0	7,085
102+32.00	10232	32	88	1	0	0	103	1	1	0	7,577	48	0	0	7,187
102+50.00	10250	18	83	1	0	0	57	1	0	0	7,635	48	0	0	7,243
102+91.00	10291	41	61	1	0	0	110	1	0	0	7,745	48	0	0	7,352
103+00.00	10300	9	38	1	0	0	17	0	0	0	7,761	48	0	0	7,368
103+50.00	10350	50	22	9	0	0	56	9	0	0	7,817	48	0	0	7,416
103+59.00	10359	9	15	9	0	0	6	3	0	0	7,823	48	0	0	7,419
103+82.00	10382	23	15	1	0	0	13	4	0	0	7,836	48	0	0	7,428
104+00.00	10400	18	19	1	0	0	11	1	0	0	7,847	48	0	0	7,439
104+22.00	10422	22	44	6	0	0	26	3	0	0	7,873	48	0	0	7,462
104+50.00	10450	28	79	1	0	0	64	3	0	0	7,937	48	0	0	7,522
104+63.00	10463	13	87	1	0	0	40	0	0	0	7,977	48	0	0	7,562
105+00.00	10500	37	84	1	0	0	117	1	0	0	8,094	48	0	0	7,678
105+50.00	10550	50	89	1	0	0	160	1	0	0	8,254	48	0	0	7,836
105+75.00	10575	25	69	1	0	0	73	1	0	0	8,327	48	0	0	7,909
106+00.00	10600	25	79	1	0	0	69	1	0	0	8,396	48	0	0	7,976
106+36.00	10636	36	81	3	0	0	107	3	0	0	8,503	48	0	0	8,081
106+50.00	10650	14	84	1	0	0	43	1	0	0	8,545	48	0	0	8,122
107+00.00	10700	50	85	1	0	0	157	1	0	0	8,702	48	0	0	8,278
107+42.00	10742	42	94	3	0	0	139	3	0	0	8,842	48	0	0	8,414
107+50.00	10750	8	98	1	0	0	28	1	0	0	8,870	48	0	0	8,442
108+00.00	10800	50	105	1	0	0	187	1	0	0	9,057	48	0	0	8,628
108+41.00	10841	41	106	5	0	0	160	4	0	0	9,218	48	0	0	8,784
108+50.00	10850	9	102	1	0	0	35	1	0	0	9,252	48	0	0	8,818
109+00.00	10900	50	82	1	0	0	170	1	0	0	9,422	48	0	0	8,986
109+50.00	10950	50	96	1	0	0	165	1	0	0	9,587	48	0	0	9,150
110+00.00	11000	50	98	1	0	0	179	1	0	0	9,766	48	0	0	9,327

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 4	CUMULATIVE VOL (CY) REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
110+50.00	11050	50	21	1	0	0	111	1	0	0	9,877	48	0	0	9,436
110+79.00	11079	29	16	3	0	0	20	2	0	0	9,897	48	0	0	9,454
111+00.00	11100	21	17	1	0	0	12	1	0	0	9,909	48	0	0	9,466
111+18.00	11118	18	10	1	0	0	9	1	0	0	9,918	48	0	0	9,474
					COLUMN TOTALS		9,918	396	38	0					

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
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3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
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6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

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FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090106_ew.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

STATION	Real Station	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 4	CUMULATIVE VOL (CY) REDUCED EBS IN FILL 0.80 NOTE 5	MASS ORDINATE NOTE 6
58+90.00	5890		78	29	0	0	0	0	0	0	0	0	0	0	0
59+00.00	5900	10	79	29	0	0	29	11	0	0	29	0	0	0	18
59+50.00	5950	50	83	29	0	0	150	54	0	0	179	0	0	0	114
60+00.00	6000	50	82	29	0	0	153	54	0	0	331	0	0	0	213
60+50.00	6050	50	84	29	0	0	154	54	0	0	485	0	0	0	313
61+00.00	6100	50	73	29	0	0	145	54	0	0	630	0	0	0	404
61+50.00	6150	50	71	32	0	0	133	57	0	0	762	0	0	0	480
62+00.00	6200	50	68	55	0	0	128	81	0	0	890	0	0	0	527
62+50.00	6250	50	81	27	0	0	137	76	0	0	1,028	0	0	0	589
63+00.00	6300	50	81	26	0	0	150	49	0	0	1,178	0	0	0	689
63+29.00	6329	29	81	26	0	0	87	28	0	0	1,265	0	0	0	748
63+50.00	6350	21	75	26	0	0	61	20	0	0	1,326	0	0	0	789
64+00.00	6400	50	75	26	0	0	139	49	0	0	1,465	0	0	0	879
64+16.00	6416	16	81	26	0	0	46	16	0	0	1,511	0	0	0	910
64+50.00	6450	34	73	26	0	0	97	33	0	0	1,608	0	0	0	974
65+00.00	6500	50	73	26	0	0	135	49	0	0	1,743	0	0	0	1,060
65+50.00	6550	50	75	26	0	0	136	48	0	0	1,880	0	0	0	1,149
65+81.00	6581	31	81	25	0	0	89	29	0	0	1,969	0	0	0	1,209
66+00.00	6600	19	79	25	0	0	56	17	0	0	2,025	0	0	0	1,248
66+50.00	6650	50	74	24	0	0	142	45	0	0	2,167	0	0	0	1,345
67+00.00	6700	50	77	24	0	0	140	44	0	0	2,307	0	0	0	1,441
67+50.00	6750	50	73	24	0	0	139	44	0	0	2,446	0	0	0	1,537
68+00.00	6800	50	72	24	0	0	134	44	0	0	2,581	0	0	0	1,627
68+50.00	6850	50	71	24	0	0	132	44	0	0	2,713	0	0	0	1,716
68+89.00	6889	39	73	24	0	0	104	34	0	0	2,816	0	0	0	1,785
69+00.00	6900	11	73	24	0	0	30	10	0	0	2,846	0	0	0	1,805
69+50.00	6950	50	70	24	0	0	132	44	0	0	2,978	0	0	0	1,894
70+00.00	7000	50	70	24	0	0	130	44	0	0	3,108	1	0	0	1,979
70+50.00	7050	50	66	24	0	0	126	44	0	0	3,234	1	0	0	2,060
71+00.00	7100	50	60	24	0	0	117	44	0	0	3,350	1	0	0	2,133
71+50.00	7150	50	70	24	0	0	120	44	0	0	3,470	1	0	0	2,208
72+00.00	7200	50	70	24	0	0	129	44	0	0	3,600	1	0	0	2,293
72+50.00	7250	50	74	24	0	0	134	44	0	0	3,733	1	0	0	2,383
73+00.00	7300	50	66	24	0	0	130	44	0	0	3,863	1	0	0	2,468
73+50.00	7350	50	65	24	0	0	121	44	1	0	3,984	2	0	0	2,543
74+00.00	7400	50	64	24	0	0	119	44	1	0	4,102	3	0	0	2,617
74+50.00	7450	50	62	24	0	0	116	44	0	0	4,218	4	0	0	2,688
74+86.00	7486	36	65	24	0	0	84	32	0	0	4,302	4	0	0	2,740
75+00.00	7500	14	61	24	0	0	32	12	0	0	4,335	4	0	0	2,760
75+50.00	7550	50	58	24	0	0	110	44	0	0	4,445	4	0	0	2,825
76+00.00	7600	50	59	24	0	0	109	44	1	0	4,554	5	0	0	2,890
76+50.00	7650	50	57	24	0	0	108	44	1	0	4,662	6	0	0	2,952
76+75.00	7675	25	61	24	0	0	54	22	0	0	4,716	6	0	0	2,984
77+00.00	7700	25	60	24	0	0	56	22	0	0	4,772	6	0	0	3,018
77+50.00	7750	0	60	24	0	0	0	0	0	0	4,772	6	0	0	3,018
78+00.00	7800	50	67	24	0	0	117	44	0	0	4,889	6	0	0	3,090
78+21.00	7821	21	73	24	0	0	54	19	0	0	4,943	6	0	0	3,126
78+50.00	7850	29	71	24	0	0	77	26	0	0	5,020	6	0	0	3,178
79+00.00	7900	50	80	24	0	0	140	44	0	0	5,160	6	0	0	3,273
79+50.00	7950	50	84	24	0	0	151	44	0	0	5,312	6	0	0	3,380
79+86.00	7986	36	90	24	0	0	116	32	0	0	5,427	6	0	0	3,464
80+00.00	8000	14	86	24	0	0	46	12	0	0	5,473	6	0	0	3,497
80+50.00	8050	50	84	24	0	0	157	44	0	0	5,630	6	0	0	3,610
80+72.00	8072	22	87	24	0	0	70	19	0	0	5,700	6	0	0	3,660
81+00.00	8100	28	80	24	0	0	87	25	0	0	5,786	6	0	0	3,722
81+31.00	8131	31	86	24	0	0	95	27	0	0	5,882	6	0	0	3,790
81+50.00	8150	19	82	24	0	0	59	17	0	0	5,941	6	0	0	3,832
81+90.00	8190	40	82	24	0	0	122	35	0	0	6,062	6	0	0	3,918
82+00.00	8200	10	76	24	0	0	29	9	0	0	6,092	6	0	0	3,939
82+35.00	8235	35	80	24	0	0	101	31	0	0	6,193	6	0	0	4,009
82+50.00	8250	15	73	24	0	0	43	13	0	0	6,235	6	0	0	4,038
83+00.00	8300	50	64	24	0	0	127	44	0	0	6,363	7	0	0	4,121
83+50.00	8350	50	58	24	1	0	113	44	1	0	6,476	7	0	0	4,190
84+00.00	8400	50	66	24	0	0	115	44	1	0	6,591	8	0	0	4,259
84+50.00	8450	50	68	24	0	0	124	44	0	0	6,715	9	0	0	4,339

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
85+00.00	8500	50	68	24	0	0	126	44	0	0	6,841	9	0	0	4,420
85+50.00	8550	50	71	24	0	0	129	44	0	0	6,971	9	0	0	4,506
86+00.00	8600	50	66	22	0	0	128	42	0	0	7,098	9	0	0	4,591
86+50.00	8650	50	72	22	0	0	128	41	0	0	7,226	9	0	0	4,678
87+00.00	8700	50	64	22	0	0	126	41	0	0	7,352	10	0	0	4,762
87+50.00	8750	50	56	22	0	0	111	41	0	0	7,463	10	0	0	4,832
87+70.00	8770	20	56	22	0	0	41	16	0	0	7,505	10	0	0	4,857
88+00.00	8800	30	60	22	0	0	64	25	0	0	7,569	10	0	0	4,897
88+50.00	8850	50	73	22	0	0	123	41	0	0	7,692	10	0	0	4,979
89+00.00	8900	50	79	22	0	0	140	41	0	0	7,832	10	0	0	5,078
89+17.00	8917	17	81	22	0	0	50	14	0	0	7,882	10	0	0	5,114
89+50.00	8950	33	81	22	0	0	99	27	0	0	7,981	10	0	0	5,186
89+77.00	8977	27	88	23	0	0	85	23	0	0	8,066	10	0	0	5,248
90+00.00	9000	23	88	24	0	0	75	20	0	0	8,141	10	0	0	5,303
90+50.00	9050	50	92	26	0	0	168	47	0	0	8,308	10	0	0	5,424
91+00.00	9100	50	80	26	0	0	160	49	0	0	8,468	10	0	0	5,535
91+20.00	9120	20	77	26	0	0	58	19	0	0	8,527	10	0	0	5,574
91+50.00	9150	30	73	26	0	0	83	29	0	0	8,610	10	0	0	5,628
92+00.00	9200	50	60	26	0	0	123	49	0	0	8,733	10	0	0	5,702
92+32.00	9232	32	58	26	0	0	70	31	0	0	8,803	10	0	0	5,741
92+50.00	9250	18	58	26	0	0	38	17	0	0	8,841	10	0	0	5,762
93+00.00	9300	50	65	26	1	0	114	49	1	0	8,955	11	0	0	5,827
93+29.00	9329	29	68	26	0	0	72	28	1	0	9,027	12	0	0	5,869
93+50.00	9350	21	71	26	0	0	54	20	0	0	9,081	12	0	0	5,903
94+00.00	9400	50	76	26	0	0	136	49	0	0	9,217	12	0	0	5,990
94+50.00	9450	50	82	26	0	0	147	49	0	0	9,364	12	0	0	6,089
95+00.00	9500	50	86	26	0	0	156	49	0	0	9,520	12	0	0	6,196
95+50.00	9550	50	86	26	0	0	159	49	0	0	9,679	12	0	0	6,307
96+00.00	9600	50	84	26	0	0	157	49	0	0	9,836	12	0	0	6,415
96+50.00	9650	50	70	28	0	0	142	50	0	0	9,978	12	0	0	6,508
96+83.00	9683	33	69	47	0	0	85	46	0	0	10,063	12	0	0	6,547
97+00.00	9700	17	68	40	0	0	43	28	0	0	10,106	12	0	0	6,562
97+50.00	9750	0	78	26	0	0	0	0	0	0	10,106	12	0	0	6,562
98+00.00	9800	50	82	26	0	0	149	49	0	0	10,254	12	0	0	6,662
98+50.00	9850	50	80	26	0	0	150	49	0	0	10,404	12	0	0	6,763
98+75.00	9875	25	85	26	0	0	76	24	0	0	10,480	12	0	0	6,815
99+00.00	9900	25	80	26	0	0	76	24	0	0	10,557	12	0	0	6,866
99+13.00	9913	13	86	26	0	0	40	13	0	0	10,597	12	0	0	6,894
99+50.00	9950	37	83	26	0	0	116	36	0	0	10,713	12	0	0	6,973
100+00.00	10000	50	80	26	0	0	151	49	0	0	10,863	12	0	0	7,075
100+50.00	10050	50	67	27	0	0	136	49	0	0	11,000	13	0	0	7,162
100+84.00	10084	34	59	49	0	0	79	48	0	0	11,079	13	0	0	7,193
101+00.00	10100	16	57	39	1	0	34	26	0	0	11,113	13	0	0	7,201
101+50.00	10150	50	64	26	0	0	111	60	2	0	11,225	15	0	0	7,250
101+61.00	10161	11	70	26	0	0	27	11	0	0	11,252	16	0	0	7,266
102+00.00	10200	39	69	26	0	0	100	38	0	0	11,352	16	0	0	7,328
102+32.00	10232	32	81	26	0	0	89	31	0	0	11,441	16	0	0	7,385
102+50.00	10250	18	77	26	0	0	53	18	0	0	11,493	16	0	0	7,420
102+91.00	10291	41	84	26	0	0	122	40	0	0	11,615	16	0	0	7,502
103+00.00	10300	9	83	26	0	0	28	9	0	0	11,643	16	0	0	7,521
103+50.00	10350	50	100	26	0	0	169	49	0	0	11,813	16	0	0	7,642
103+59.00	10359	9	99	26	0	0	33	9	0	0	11,846	16	0	0	7,666
103+82.00	10382	23	95	26	0	0	83	22	0	0	11,929	16	0	0	7,727
104+00.00	10400	18	86	26	0	0	60	18	0	0	11,989	16	0	0	7,769
104+22.00	10422	22	83	26	0	0	69	22	0	0	12,058	16	0	0	7,817
104+50.00	10450	28	83	25	0	0	86	27	0	0	12,144	16	0	0	7,876
104+63.00	10463	13	88	24	0	0	41	12	0	0	12,185	16	0	0	7,905
105+00.00	10500	37	82	22	0	0	116	32	0	0	12,301	16	0	0	7,989
105+50.00	10550	50	86	22	0	0	155	41	0	0	12,456	17	0	0	8,104
105+75.00	10575	25	91	22	0	0	82	20	0	0	12,538	17	0	0	8,166
106+00.00	10600	25	85	22	0	0	82	20	0	0	12,620	17	0	0	8,227
106+36.00	10636	36	89	22	0	0	116	29	0	0	12,736	17	0	0	8,314
106+50.00	10650	14	84	22	0	0	45	11	0	0	12,780	17	0	0	8,348
107+00.00	10700	50	79	22	0	0	151	40	1	0	12,932	18	0	0	8,458
107+42.00	10742	42	73	44	0	0	119	51	0	0	13,051	18	0	0	8,526

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
107+50.00	10750	8	74	44	0	0	22	13	0	0	13,072	18	0	0	8,534
108+00.00	10800	50	82	22	0	0	144	61	0	0	13,217	19	0	0	8,618
108+41.00	10841	41	84	22	0	0	126	33	0	0	13,343	19	0	0	8,710
108+50.00	10850	9	84	22	0	0	28	7	0	0	13,371	19	0	0	8,731
109+00.00	10900	50	85	22	0	0	156	40	0	0	13,527	20	0	0	8,847
109+50.00	10950	50	92	22	0	0	164	40	0	0	13,691	20	0	0	8,970
110+00.00	11000	50	88	22	0	0	167	40	0	0	13,857	20	0	0	9,096
110+50.00	11050	50	89	21	0	0	164	39	0	0	14,021	20	0	0	9,221
110+79.00	11079	29	87	20	0	0	94	22	0	0	14,116	20	0	0	9,293
111+00.00	11100	21	87	20	0	0	68	15	0	0	14,183	21	0	0	9,345
111+18.00	11118	18	84	21	0	0	57	13	0	0	14,240	21	0	0	9,389
111+23.00	11123	5	73	20	0	0	15	4	0	0	14,255	21	0	0	9,400
					COLUMN TOTALS		14,255	4,835	16	0					

NOTES:

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3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
58+90.00	5890		72	20	2	0	0	0	0	0	0	0	0	0	0
59+00.00	5900	10	72	20	3	0	27	7	1	0	27	1	0	0	18
59+50.00	5950	50	72	20	3	0	133	37	5	0	160	8	0	0	107
60+00.00	6000	50	72	20	3	0	133	37	6	0	293	15	0	0	196
60+50.00	6050	50	72	20	2	0	133	37	4	0	426	21	0	0	286
61+00.00	6100	50	67	20	4	0	129	37	6	0	554	27	0	0	371
61+50.00	6150	50	63	22	0	0	120	39	4	0	674	32	0	0	447
62+00.00	6200	50	60	54	0	0	113	71	0	0	788	32	0	0	490
62+50.00	6250	50	68	17	6	0	118	66	5	0	905	39	0	0	535
					COLUMN TOTALS		905	331	31	0					

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
63+00.00	6300		66	18	3	0	0	0	0	0	0	0	0	0	0
63+29.00	6329	29	68	18	2	0	72	19	3	0	72	3	0	0	49
63+50.00	6350	21	68	18	2	0	53	14	1	0	124	5	0	0	86
64+00.00	6400	50	70	18	2	0	127	33	3	0	252	9	0	0	176
64+16.00	6416	16	73	18	3	0	42	11	1	0	294	11	0	0	207
64+50.00	6450	34	76	18	6	0	94	22	6	0	388	18	0	0	271
65+00.00	6500	50	86	17	0	0	151	33	6	0	539	26	0	0	382
65+50.00	6550	50	79	16	1	0	153	31	1	0	692	26	0	0	503
65+81.00	6581	31	77	14	3	0	90	17	2	0	782	29	0	0	573
66+00.00	6600	19	78	13	1	0	55	10	2	0	837	31	0	0	616
66+50.00	6650	50	81	11	0	0	147	22	1	0	984	33	0	0	739
67+00.00	6700	50	77	10	0	0	146	20	0	0	1,130	33	0	0	866
67+50.00	6750	50	75	10	1	0	141	19	1	0	1,271	35	0	0	986
68+00.00	6800	50	74	10	1	0	138	19	2	0	1,408	37	0	0	1,102
68+50.00	6850	50	73	10	0	0	135	19	1	0	1,544	38	0	0	1,217
68+89.00	6889	39	74	10	0	0	106	15	0	0	1,650	39	0	0	1,308
69+00.00	6900	11	73	10	0	0	30	4	0	0	1,680	39	0	0	1,334
69+50.00	6950	50	75	10	0	0	137	19	0	0	1,817	39	0	0	1,451
70+00.00	7000	50	75	10	0	0	140	19	0	0	1,956	40	0	0	1,571
70+50.00	7050	50	74	10	0	0	139	19	0	0	2,095	40	0	0	1,690
71+00.00	7100	50	76	10	0	0	139	19	0	0	2,234	41	0	0	1,810
71+50.00	7150	50	75	10	0	0	141	19	0	0	2,375	41	0	0	1,931
72+00.00	7200	50	76	10	0	0	140	19	0	0	2,515	41	0	0	2,052
72+50.00	7250	50	72	10	0	0	137	19	0	0	2,652	42	0	0	2,170
73+00.00	7300	50	67	10	1	0	129	19	1	0	2,781	43	0	0	2,278
73+50.00	7350	50	64	10	3	0	121	19	3	0	2,902	47	0	0	2,376
74+00.00	7400	50	62	10	3	0	117	19	6	0	3,019	55	0	0	2,466
74+50.00	7450	50	58	10	2	0	112	19	5	0	3,131	61	0	0	2,553
74+86.00	7486	36	57	10	1	0	77	14	2	0	3,208	63	0	0	2,613
75+00.00	7500	14	57	10	0	0	30	5	0	0	3,237	63	0	0	2,637
75+50.00	7550	50	55	10	1	0	104	19	0	0	3,341	64	0	0	2,722
76+00.00	7600	50	53	10	2	0	100	19	2	0	3,441	67	0	0	2,800
76+50.00	7650	50	53	10	3	0	98	19	4	0	3,539	72	0	0	2,873
76+75.00	7675	25	53	10	7	0	49	10	5	0	3,589	78	0	0	2,907
77+00.00	7700	25	59	10	8	0	52	10	7	0	3,641	87	0	0	2,941
77+50.00	7750	50	67	10	5	0	117	19	12	0	3,757	102	0	0	3,024
78+00.00	7800	50	70	10	3	0	127	19	7	0	3,885	110	0	0	3,124
78+21.00	7821	21	71	10	2	0	55	8	2	0	3,939	113	0	0	3,168
78+50.00	7850	29	73	10	2	0	77	11	2	0	4,017	115	0	0	3,232
79+00.00	7900	50	79	10	0	0	140	19	2	0	4,157	118	0	0	3,351
79+50.00	7950	50	89	10	0	0	155	19	0	0	4,312	118	0	0	3,486
79+86.00	7986	36	95	10	0	0	122	14	0	0	4,434	118	0	0	3,594
80+00.00	8000	14	92	10	0	0	48	5	0	0	4,482	118	0	0	3,637
80+50.00	8050	50	78	10	0	0	158	19	0	0	4,640	119	0	0	3,776
80+72.00	8072	0	90	10	0	0	0	0	0	0	4,640	119	0	0	3,776
81+00.00	8100	28	86	10	0	0	91	11	0	0	4,731	119	0	0	3,856
81+31.00	8131	31	85	10	1	0	98	12	1	0	4,830	120	0	0	3,941
81+50.00	8150	19	83	10	1	0	59	7	0	0	4,889	120	0	0	3,993
81+90.00	8190	40	79	10	0	0	121	15	1	0	5,009	121	0	0	4,097
82+00.00	8200	10	77	10	0	0	29	4	0	0	5,039	121	0	0	4,122
82+35.00	8235	35	74	10	1	0	98	13	1	0	5,137	122	0	0	4,206
82+50.00	8250	15	69	10	2	0	40	6	1	0	5,176	123	0	0	4,239
83+00.00	8300	50	55	10	3	0	115	19	5	0	5,291	130	0	0	4,328
83+50.00	8350	50	50	10	5	0	97	19	8	0	5,388	140	0	0	4,396
84+00.00	8400	50	59	10	2	0	101	19	7	0	5,490	149	0	0	4,470
84+50.00	8450	50	61	10	2	0	112	19	4	0	5,601	154	0	0	4,557
85+00.00	8500	50	61	10	2	0	113	19	4	0	5,715	160	0	0	4,646
85+50.00	8550	50	60	10	2	0	112	19	4	0	5,827	165	0	0	4,734
86+00.00	8600	50	65	12	2	0	116	20	4	0	5,943	171	0	0	4,823
86+50.00	8650	50	61	12	3	0	117	23	5	0	6,060	177	0	0	4,912
87+00.00	8700	50	57	12	4	0	110	23	6	0	6,169	184	0	0	4,991
87+50.00	8750	50	48	12	0	0	97	23	3	0	6,267	188	0	0	5,062
87+70.00	8770	20	48	34	0	0	35	17	0	0	6,302	188	0	0	5,080
88+00.00	8800	30	51	13	0	0	55	26	0	0	6,357	188	0	0	5,109
88+50.00	8850	50	66	13	2	0	108	23	2	0	6,465	190	0	0	5,192

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
89+00.00	8900	50	83	12	1	0	138	23	2	0	6,604	194	0	0	5,304
89+17.00	8917	17	98	12	0	0	57	8	0	0	6,661	194	0	0	5,353
89+50.00	8950	33	83	13	0	0	111	16	0	0	6,771	194	0	0	5,448
89+77.00	8977	27	71	11	0	0	77	12	0	0	6,849	194	0	0	5,513
90+00.00	9000	23	49	10	0	0	51	9	0	0	6,900	194	0	0	5,556
90+50.00	9050	50	57	8	0	0	98	16	0	0	6,998	194	0	0	5,638
91+00.00	9100	50	58	8	0	0	106	15	0	0	7,104	194	0	0	5,730
91+20.00	9120	20	46	8	0	0	39	6	0	0	7,143	194	0	0	5,763
91+50.00	9150	30	45	8	0	0	51	9	0	0	7,194	194	0	0	5,805
92+00.00	9200	50	47	8	0	0	85	14	0	0	7,279	194	0	0	5,875
92+32.00	9232	32	39	8	0	0	51	9	0	0	7,330	194	0	0	5,917
92+50.00	9250	18	39	8	0	0	26	5	0	0	7,356	194	0	0	5,938
93+00.00	9300	50	40	8	2	0	74	14	2	0	7,430	197	0	0	5,994
93+29.00	9329	29	48	8	0	0	47	8	1	0	7,477	198	0	0	6,031
93+50.00	9350	21	42	8	2	0	35	6	1	0	7,512	199	0	0	6,059
94+00.00	9400	50	44	8	2	0	79	14	3	0	7,591	204	0	0	6,120
94+50.00	9450	50	76	8	0	0	111	14	2	0	7,702	205	0	0	6,215
95+00.00	9500	50	61	8	0	0	126	14	0	0	7,829	205	0	0	6,327
95+50.00	9550	50	64	8	0	0	115	14	0	0	7,944	205	0	0	6,427
96+00.00	9600	50	62	8	3	0	116	14	2	0	8,060	208	0	0	6,526
96+50.00	9650	50	57	8	2	0	110	14	5	0	8,170	214	0	0	6,616
96+83.00	9683	33	52	8	3	0	67	10	4	0	8,237	219	0	0	6,669
97+00.00	9700	17	73	8	10	0	39	5	4	0	8,276	224	0	0	6,698
97+50.00	9750	50	57	8	2	0	120	14	11	0	8,397	238	0	0	6,790
98+00.00	9800	50	58	8	2	0	106	14	4	0	8,503	243	0	0	6,877
98+50.00	9850	50	57	8	2	0	106	14	4	0	8,609	248	0	0	6,964
98+75.00	9875	25	59	8	2	0	54	7	2	0	8,663	250	0	0	7,008
99+00.00	9900	25	60	8	2	0	55	7	2	0	8,719	252	0	0	7,054
99+13.00	9913	13	63	8	2	0	30	4	1	0	8,748	253	0	0	7,079
99+50.00	9950	37	66	8	5	0	88	11	4	0	8,836	259	0	0	7,151
100+00.00	10000	50	55	8	3	0	112	14	7	0	8,949	267	0	0	7,240
100+50.00	10050	50	38	8	0	0	86	14	2	0	9,035	270	0	0	7,309
100+84.00	10084	0	38	30	0	0	0	0	0	0	9,035	270	0	0	7,309
101+00.00	10100	16	39	30	0	0	23	18	0	0	9,058	270	0	0	7,314
101+50.00	10150	50	54	8	5	0	86	35	4	0	9,144	276	0	0	7,361
101+61.00	10161	11	56	8	3	0	22	3	1	0	9,167	277	0	0	7,378
102+00.00	10200	39	65	8	1	0	88	11	2	0	9,254	280	0	0	7,451
102+32.00	10232	32	66	8	1	0	78	9	1	0	9,332	282	0	0	7,519
102+50.00	10250	18	90	8	0	0	52	5	0	0	9,384	282	0	0	7,565
102+91.00	10291	41	81	8	0	0	130	12	0	0	9,514	282	0	0	7,683
103+00.00	10300	9	82	8	0	0	27	3	0	0	9,541	282	0	0	7,707
103+50.00	10350	50	132	8	0	0	198	14	0	0	9,740	282	0	0	7,891
103+59.00	10359	9	133	8	0	0	44	3	0	0	9,784	282	0	0	7,933
103+82.00	10382	23	130	8	1	0	112	7	0	0	9,896	283	0	0	8,038
104+00.00	10400	18	123	8	2	0	84	5	1	0	9,981	284	0	0	8,117
104+22.00	10422	22	120	8	0	0	99	6	1	0	10,080	285	0	0	8,208
104+50.00	10450	28	81	9	2	0	104	9	1	0	10,184	286	0	0	8,303
104+63.00	10463	13	80	10	2	0	39	5	1	0	10,223	287	0	0	8,335
105+00.00	10500	37	74	12	2	0	105	15	3	0	10,328	291	0	0	8,422
105+50.00	10550	50	74	12	2	0	136	22	4	0	10,464	296	0	0	8,531
105+75.00	10575	25	86	12	0	0	74	11	1	0	10,538	297	0	0	8,592
106+00.00	10600	25	77	12	2	0	75	11	1	0	10,613	298	0	0	8,654
106+36.00	10636	36	82	12	0	0	106	16	1	0	10,719	300	0	0	8,742
106+50.00	10650	14	71	12	2	0	40	6	1	0	10,758	301	0	0	8,775
107+00.00	10700	50	65	12	4	0	126	23	5	0	10,885	307	0	0	8,872
107+42.00	10742	42	77	12	0	0	111	19	3	0	10,996	311	0	0	8,960
107+50.00	10750	8	69	12	2	0	22	4	0	0	11,017	311	0	0	8,977
108+00.00	10800	50	72	12	2	0	131	23	4	0	11,148	316	0	0	9,080
108+41.00	10841	41	112	12	0	0	140	19	2	0	11,288	318	0	0	9,199
108+50.00	10850	9	113	12	0	0	38	4	0	0	11,325	318	0	0	9,233
109+00.00	10900	50	74	12	2	0	173	23	2	0	11,499	320	0	0	9,382
109+50.00	10950	50	77	12	1	0	140	23	3	0	11,639	324	0	0	9,496
110+00.00	11000	50	77	12	1	0	143	23	3	0	11,782	327	0	0	9,613
110+50.00	11050	50	86	13	1	0	151	24	2	0	11,933	330	0	0	9,737
110+79.00	11079	29	146	14	0	0	124	15	1	0	12,057	331	0	0	9,845

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
111+00.00	11100	21	90	16	1	0	92	12	0	0	12,149	331	0	0	9,925
111+18.00	11118	18	91	19	0	0	60	12	0	0	12,209	332	0	0	9,973
111+23.00	11123	5	92	20	0	0	17	4	0	0	12,226	332	0	0	9,986
					COLUMN TOTALS		12,226	1,908	265	0					

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EARTHWORK - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090113_ew.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS (5% OF CUT)	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS (5% OF CUT)	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
89+77	8977	0	18	0	0	0	0	0	0	0	0	0	0	0	0
90+00	9000	23	19	2	0	0	16	1	0	0	16	0	0	0	15
90+50	9050	50	10	3	0	0	27	4	0	0	43	0	0	0	38
91+00	9100	50	13	3	0	0	22	5	0	0	65	0	0	0	56
91+20	9120	20	9	3	0	0	8	2	0	0	73	0	0	0	62
91+50	9150	30	9	3	0	0	10	3	0	0	83	0	0	0	69
92+00	9200	50	12	3	0	0	19	5	0	0	103	0	0	0	84
92+32	9232	32	9	3	0	0	12	3	0	0	115	0	0	0	94
92+50	9250	0	9	3	0	0	0	0	0	0	115	0	0	0	94
93+00	9300	50	10	3	0	0	18	5	0	0	133	0	0	0	107
93+29	9329	29	17	3	0	0	15	3	0	0	147	0	0	0	119
93+50	9350	21	16	3	0	0	13	2	0	0	160	0	0	0	130
94+00	9400	50	13	0	0	0	26	2	0	0	186	0	0	0	154
					COLUMN TOTALS		186	33	0	0					

NOTES:

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3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5994-00-72 | HWY: MONONA DRIVE | COUNTY: DANE | EARTHWORK - STAGE 5 | SHEET 526 | E

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
58+90.00	5890		12	3	0	0	0	0	0	0	0	0	0	0	0
59+00.00	5900	10	12	3	0	0	4	1	0	0	4	0	0	0	3
59+50.00	5950	50	11	3	0	0	21	5	0	0	25	0	0	0	20
60+00.00	6000	50	12	3	0	0	21	5	0	0	46	0	0	0	36
60+50.00	6050	50	12	3	0	0	21	5	0	0	68	0	0	0	53
61+00.00	6100	50	11	3	0	0	21	5	0	0	88	0	0	0	69
61+50.00	6150	50	14	3	0	0	23	5	0	0	111	0	0	0	87
62+00.00	6200	50	14	3	0	0	26	5	0	0	137	0	0	0	109
62+50.00	6250	50	12	3	0	0	24	5	0	0	162	0	0	0	128
63+00.00	6300	50	12	3	0	0	22	5	0	0	184	0	0	0	146
63+29.00	6329	29	12	3	0	0	13	3	0	0	197	0	0	0	156
63+50.00	6350	21	12	3	0	0	9	2	0	0	206	0	0	0	163
64+00.00	6400	50	12	3	0	0	22	5	0	0	228	0	0	0	181
64+16.00	6416	16	6	3	3	0	5	1	1	0	233	1	0	0	183
64+50.00	6450	34	9	3	1	0	10	3	3	0	243	5	0	0	186
65+00.00	6500	50	11	3	0	0	18	5	1	0	261	6	0	0	199
65+50.00	6550	50	11	3	0	0	20	5	0	0	281	6	0	0	214
65+81.00	6581	31	11	3	0	0	12	3	0	0	293	6	0	0	223
66+00.00	6600	19	11	3	0	0	8	2	0	0	301	6	0	0	229
66+50.00	6650	50	1	3	5	0	11	5	5	0	312	12	0	0	230
67+00.00	6700	50	11	5	0	0	11	7	5	0	323	17	0	0	229
67+50.00	6750	50	11	5	0	0	20	9	0	0	343	17	0	0	239
68+00.00	6800	50	11	5	3	0	20	9	3	0	363	21	0	0	246
68+50.00	6850	50	11	5	0	0	20	9	3	0	383	25	0	0	253
68+89.00	6889	39	11	5	0	0	16	7	0	0	399	25	0	0	261
69+00.00	6900	11	11	5	0	0	4	2	0	0	403	25	0	0	264
69+50.00	6950	50	5	3	3	0	15	7	3	0	418	28	0	0	268
70+00.00	7000	50	11	3	3	0	15	5	5	0	432	35	0	0	272
70+50.00	7050	50	11	3	3	0	20	5	6	0	452	42	0	0	279
71+00.00	7100	50	11	3	0	0	20	5	3	0	472	46	0	0	291
71+50.00	7150	50	1	3	5	0	11	5	5	0	483	52	0	0	291
72+00.00	7200	50	1	3	5	0	2	5	10	0	485	64	0	0	276
72+50.00	7250	50	1	3	6	0	2	5	10	0	487	77	0	0	260
73+00.00	7300	50	1	3	6	0	2	5	10	0	488	90	0	0	245
73+50.00	7350	50	8	3	0	0	8	5	5	0	496	97	0	0	241
74+00.00	7400	50	10	3	0	0	17	5	0	0	513	97	0	0	253
74+50.00	7450	50	10	3	0	0	19	5	0	0	532	97	0	0	268
74+86.00	7486	36	10	3	0	0	13	3	0	0	545	97	0	0	278
75+00.00	7500	14	10	3	0	0	5	1	0	0	550	97	0	0	281
75+50.00	7550	50	8	3	1	0	16	5	1	0	567	98	0	0	291
76+00.00	7600	50	10	3	0	0	16	5	1	0	583	100	0	0	301
76+50.00	7650	50	10	3	0	0	18	5	0	0	601	100	0	0	315
76+75.00	7675	25	10	3	0	0	9	2	0	0	610	100	0	0	321
77+00.00	7700	25	5	3	3	0	7	2	2	0	617	102	0	0	324
77+50.00	7750	0	5	3	3	0	0	0	0	0	617	102	0	0	324
78+00.00	7800	50	11	3	0	0	15	5	3	0	632	106	0	0	331
78+21.00	7821	21	11	3	0	0	8	2	0	0	640	106	0	0	337
78+50.00	7850	29	11	3	0	0	12	3	0	0	652	106	0	0	346
79+00.00	7900	50	11	3	0	0	20	5	0	0	672	106	0	0	362
79+50.00	7950	50	12	3	0	0	21	5	0	0	693	106	0	0	378
79+86.00	7986	36	12	3	0	0	16	3	0	0	709	106	0	0	391
80+00.00	8000	14	12	3	0	0	6	1	0	0	715	106	0	0	396
80+50.00	8050	50	1	3	4	0	12	5	4	0	727	111	0	0	398
80+72.00	8072	22	1	3	4	0	1	2	3	0	728	115	0	0	393
81+00.00	8100	28	9	3	1	0	5	3	3	0	733	118	0	0	392
81+31.00	8131	31	12	3	0	0	12	3	1	0	745	119	0	0	400
81+50.00	8150	19	12	3	0	0	8	2	0	0	753	119	0	0	406
81+90.00	8190	40	11	3	0	0	17	4	0	0	770	119	0	0	420
82+00.00	8200	10	11	3	0	0	4	1	0	0	775	119	0	0	423
82+35.00	8235	35	10	3	0	0	14	3	0	0	788	119	0	0	433
82+50.00	8250	15	10	3	0	0	6	1	0	0	794	119	0	0	438
83+00.00	8300	50	1	3	6	0	10	5	5	0	804	126	0	0	437
83+50.00	8350	50	1	3	6	0	2	5	11	0	806	140	0	0	420
84+00.00	8400	50	3	3	5	0	4	5	10	0	810	152	0	0	407
84+50.00	8450	50	10	3	0	0	12	5	4	0	822	157	0	0	409

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EARTHWORK - STAGE 6	SHEET 527	E

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
85+00.00	8500	50	10	3	0	0	18	5	0	0	840	157	0	0	423
85+50.00	8550	50	10	3	0	0	19	5	0	0	859	157	0	0	437
86+00.00	8600	50	2	3	5	0	11	5	5	0	870	163	0	0	437
86+50.00	8650	50	10	3	0	0	11	5	5	0	881	169	0	0	438
87+00.00	8700	50	10	3	0	0	19	5	0	0	900	169	0	0	452
87+50.00	8750	50	13	3	0	0	21	5	0	0	921	169	0	0	468
87+70.00	8770	20	13	3	0	0	9	2	0	0	930	169	0	0	476
88+00.00	8800	30	13	3	0	0	14	3	0	0	944	169	0	0	487
88+50.00	8850	50	10	3	0	0	21	5	0	0	966	169	0	0	504
89+00.00	8900	50	11	3	3	0	20	5	3	0	986	173	0	0	516
89+17.00	8917	17	9	3	2	0	6	2	2	0	992	175	0	0	518
89+50.00	8950	33	1	3	4	0	6	3	4	0	998	180	0	0	516
89+77.00	8977	27	8	0	2	0	4	1	3	0	1,002	184	0	0	515
90+00.00	9000	23	0	0	0	0	3	0	1	0	1,005	185	0	0	518
90+50.00	9050	50	0	0	0	0	0	0	0	0	1,005	185	0	0	518
91+00.00	9100	50	0	0	0	0	0	0	0	0	1,005	185	0	0	518
91+20.00	9120	20	0	0	0	0	0	0	0	0	1,005	185	0	0	518
91+50.00	9150	30	0	0	0	0	0	0	0	0	1,005	185	0	0	518
92+00.00	9200	50	0	0	0	0	0	0	0	0	1,005	185	0	0	518
92+32.00	9232	32	0	0	0	0	0	0	0	0	1,005	185	0	0	518
92+50.00	9250	18	0	0	0	0	0	0	0	0	1,005	185	0	0	518
93+00.00	9300	50	0	0	0	0	0	0	0	0	1,005	185	0	0	518
93+29.00	9329	29	0	0	0	0	0	0	0	0	1,005	185	0	0	518
93+50.00	9350	21	0	0	0	0	0	0	0	0	1,005	185	0	0	518
94+00.00	9400	50	7	3	2	0	7	2	2	0	1,012	187	0	0	519
94+50.00	9450	50	12	3	0	0	17	5	2	0	1,029	190	0	0	529
95+00.00	9500	50	11	3	0	0	21	5	0	0	1,050	190	0	0	546
95+50.00	9550	50	11	3	0	0	20	5	0	0	1,071	190	0	0	561
96+00.00	9600	50	10	3	0	0	19	5	0	0	1,090	190	0	0	576
96+50.00	9650	50	10	3	0	0	19	5	0	0	1,108	190	0	0	590
96+83.00	9683	33	10	3	0	0	12	3	0	0	1,121	190	0	0	599
97+00.00	9700	17	9	3	0	0	6	2	0	0	1,127	190	0	0	604
97+50.00	9750	0	1	3	6	0	0	0	0	0	1,127	190	0	0	604
98+00.00	9800	50	1	3	6	0	2	5	10	0	1,129	203	0	0	588
98+50.00	9850	50	1	3	6	0	2	5	10	0	1,130	216	0	0	572
98+75.00	9875	25	1	3	5	0	1	2	5	0	1,131	222	0	0	564
99+00.00	9900	25	1	3	6	0	1	2	5	0	1,132	229	0	0	557
99+13.00	9913	13	1	3	5	0	0	1	3	0	1,133	232	0	0	553
99+50.00	9950	37	8	3	2	0	6	3	5	0	1,139	238	0	0	550
100+00.00	10000	50	10	3	0	0	17	5	1	0	1,156	240	0	0	560
100+50.00	10050	50	13	3	0	0	21	5	0	0	1,177	240	0	0	577
100+84.00	10084	34	13	3	0	0	16	3	0	0	1,193	240	0	0	590
101+00.00	10100	16	13	3	0	0	8	1	0	0	1,201	240	0	0	596
101+50.00	10150	50	10	3	0	0	21	5	0	0	1,222	240	0	0	612
101+61.00	10161	11	10	3	0	0	4	1	0	0	1,226	240	0	0	615
102+00.00	10200	39	10	3	0	0	15	4	0	0	1,240	240	0	0	626
102+32.00	10232	32	10	3	0	0	12	3	0	0	1,252	240	0	0	635
102+50.00	10250	18	13	3	0	0	8	2	0	0	1,260	240	0	0	641
102+91.00	10291	41	11	3	2	0	18	4	2	0	1,278	242	0	0	653
103+00.00	10300	9	11	3	3	0	4	1	1	0	1,282	243	0	0	655
103+50.00	10350	50	10	1	0	0	19	3	3	0	1,301	247	0	0	667
103+59.00	10359	9	9	0	0	0	3	0	0	0	1,305	247	0	0	670
103+82.00	10382	23	5	0	0	0	6	0	0	0	1,310	247	0	0	676
104+00.00	10400	18	3	0	0	0	3	0	0	0	1,313	247	0	0	679
104+22.00	10422	22	3	0	0	0	2	0	0	0	1,316	247	0	0	681
104+50.00	10450	28	2	0	0	0	2	0	0	0	1,318	247	0	0	684
104+63.00	10463	13	1	0	0	0	1	0	0	0	1,319	247	0	0	684
105+00.00	10500	37	0	0	0	0	1	0	0	0	1,319	247	0	0	685
					COLUMN TOTALS		1,319	387	198	0					

NOTES:

1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

STATION	Real Station	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE NOTE 6
			CUT	SALVAGED PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 5	
9+00.00 N	900		83	15	1	0	0	0	0	0	0	0	0	0	0
9+25.00 N	925	25	109	15	1	0	89	14	1	0	89	1	0	0	74
9+39.00 N	939	14	109	15	2	0	57	8	1	0	145	2	0	0	122
11+00.00 N	1100	0	51	15	11	0	0	0	0	0	145	2	0	0	122
11+50.00 N	1150	50	53	15	11	0	97	28	21	0	242	28	0	0	165
12+00.00 N	1200	50	60	15	2	0	105	28	12	0	347	43	0	0	227
12+25.00 N	1225	25	66	15	0	0	58	14	1	0	405	44	0	0	270
12+50.00 N	1250	25	7	15	0	0	34	14	0	0	439	45	0	0	289
9+00.00 ST	900	0	78	11	2	0	0	0	0	0	439	45	0	0	289
9+30.00 ST	930	30	112	11	0	0	105	12	1	0	544	46	0	0	380
9+45.00 ST	945	15	62	11	0	0	48	6	0	0	592	46	0	0	423
7+00.00 D	700	0	22	12	0	0	0	0	0	0	592	46	0	0	423
7+35.00 D	735	35	82	12	1	0	67	16	0	0	659	47	0	0	474
7+50.00 D	750	15	79	12	0	0	45	7	0	0	704	47	0	0	512
7+71.89 D	772	22	84	12	0	0	66	10	0	0	770	47	0	0	568
8+00.00 D	800	28	84	12	0	0	87	12	0	0	857	47	0	0	642
8+50.00 D	850	50	85	12	0	0	157	22	0	0	1,014	47	0	0	777
8+58.27 D	858	8	89	12	0	0	27	4	0	0	1,041	47	0	0	800
9+00.00 D	900	42	108	12	0	0	152	19	0	0	1,193	47	0	0	934
9+25.00 D	925	25	117	12	0	0	104	11	0	0	1,297	47	0	0	1,026
9+38.00 D	938	13	124	12	0	0	58	6	0	0	1,355	47	0	0	1,078
10+58.00 D	1058	0	56	12	3	0	0	0	0	0	1,355	47	0	0	1,078
11+00.00 D	1100	42	115	12	0	0	133	19	3	0	1,488	51	0	0	1,189
11+11.00 D	1111	11	114	12	0	0	47	5	0	0	1,534	51	0	0	1,231
11+50.00 D	1150	39	68	12	5	0	132	17	3	0	1,666	55	0	0	1,342
11+79.87 D	1180	30	84	12	1	0	84	13	3	0	1,750	58	0	0	1,409
12+00.00 D	1200	20	61	12	6	0	54	9	2	0	1,804	61	0	0	1,451
12+32.00 D	1232	32	66	12	0	0	75	14	3	0	1,880	66	0	0	1,507
12+50.00 D	1250	18	67	12	0	0	44	8	0	0	1,924	66	0	0	1,543
12+66.00 D	1266	16	60	12	0	0	38	7	0	0	1,961	66	0	0	1,574
9+25.00 S	925	0	49	10	0	0	0	0	0	0	1,961	66	0	0	1,574
9+50.00 S	950	25	43	11	0	0	43	9	0	0	2,004	66	0	0	1,607
9+25.00 L	925	0	48	11	4	0	0	0	0	0	2,004	66	0	0	1,607
9+48.00 L	948	23	52	11	1	0	43	9	2	0	2,046	68	0	0	1,638
8+71.00 CW	871	0	61	10	0	0	0	0	0	0	2,046	68	0	0	1,638
8+85.00 CW	885	14	68	11	0	0	33	5	0	0	2,080	68	0	0	1,666
9+00.00 CW	900	15	54	11	0	0	34	6	0	0	2,114	68	0	0	1,694
9+25.00 CW	925	25	47	11	0	0	47	10	0	0	2,160	68	0	0	1,731
9+48.00 CW	948	23	38	11	2	0	36	9	1	0	2,196	69	0	0	1,757
10+65.00 CE	1065	0	44	13	30	0	0	0	0	0	2,196	69	0	0	1,757
11+00.00 CE	1100	35	58	13	4	0	66	17	22	0	2,262	97	0	0	1,778
11+50.00 CE	1150	50	71	13	0	0	120	25	4	0	2,382	101	0	0	1,868
11+55.00 CE	1155	5	70	13	0	0	13	2	0	0	2,395	101	0	0	1,879
9+07.00 P	907	0	51	10	0	0	0	0	0	0	2,395	101	0	0	1,879
9+46.00 P	946	39	38	10	11	0	65	14	8	0	2,459	111	0	0	1,919
					COLUMN TOTALS		2,459	429	89	0					

NOTES:

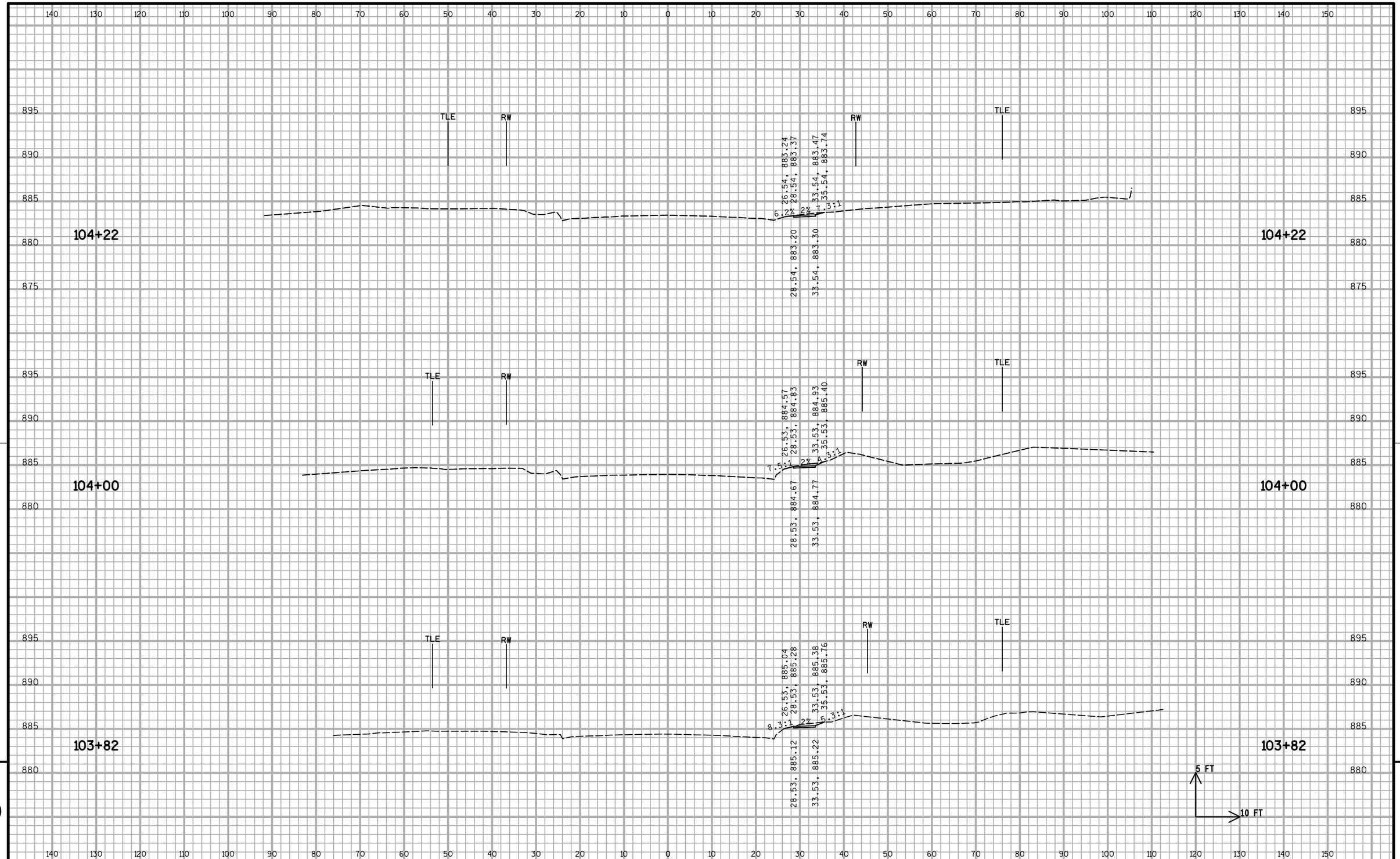
1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) SALVAGED PAVEMENT MATERIAL: THIS DOES NOT SHOW UP IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH BACKFILL GRANULAR. EBS BACKFILL EXPANSION FACTOR = 1.30
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS UNUSABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
6) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	EARTHWORK - SIDEROADS	SHEET	E

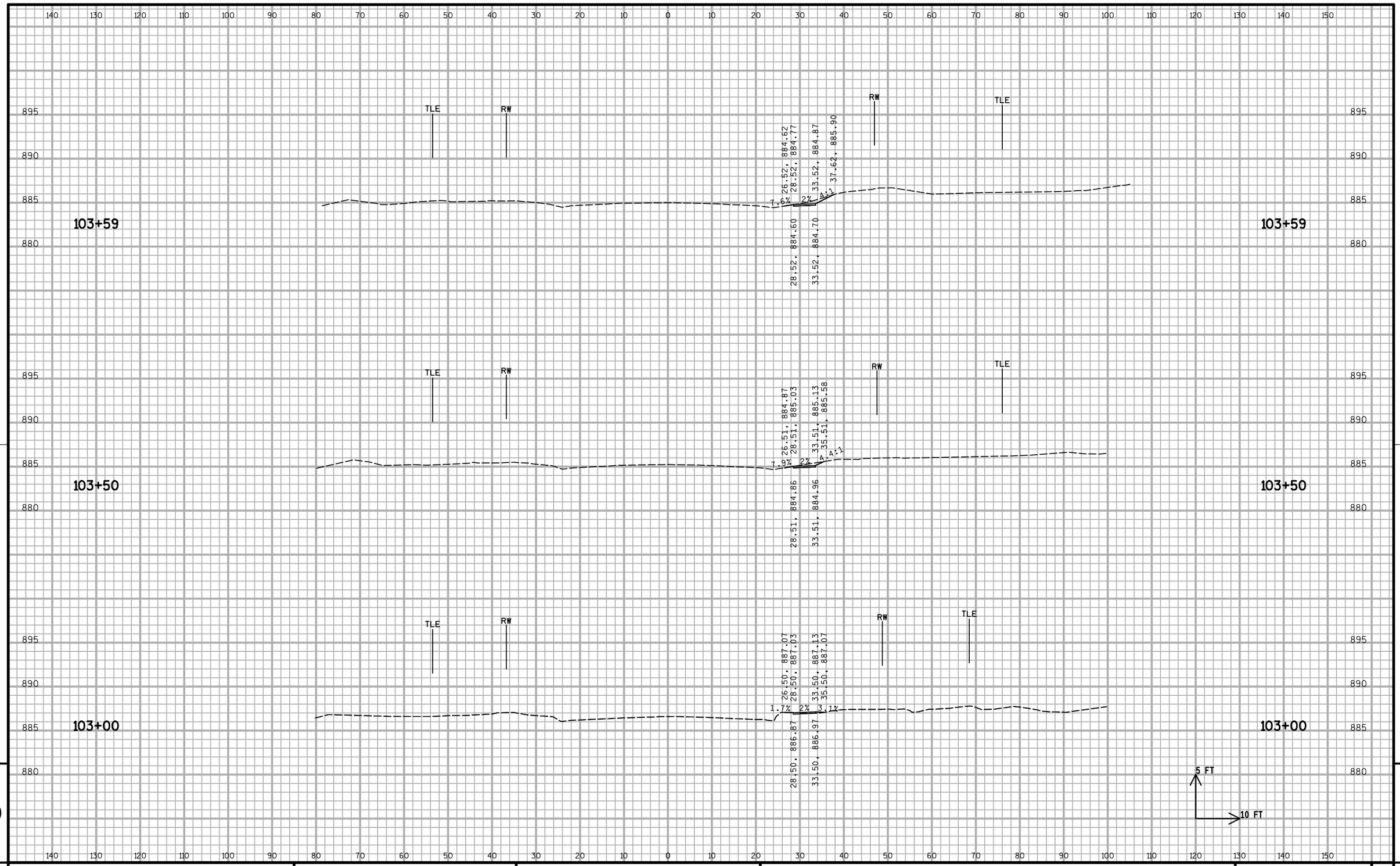
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9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 530	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

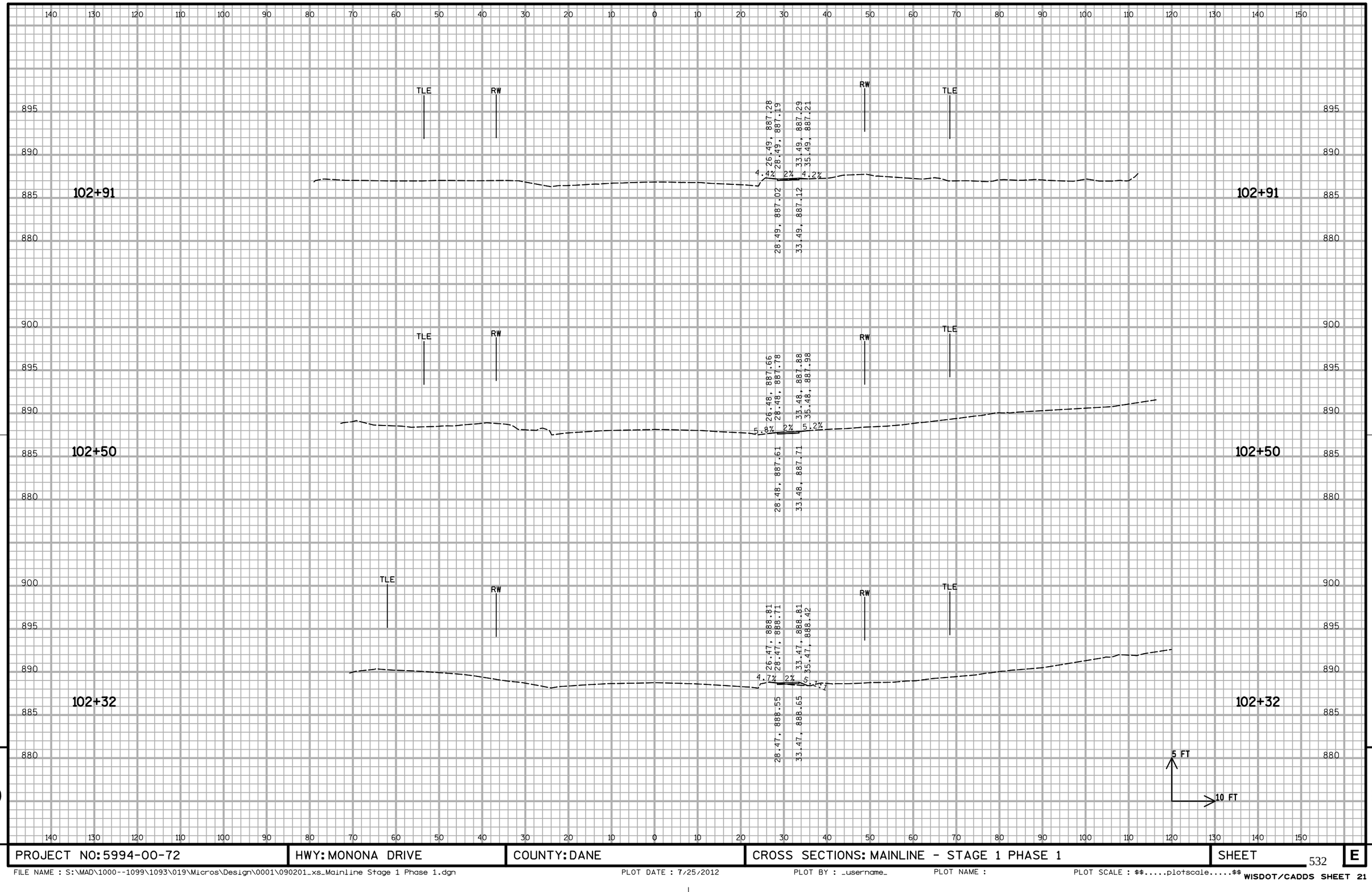


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 531	E

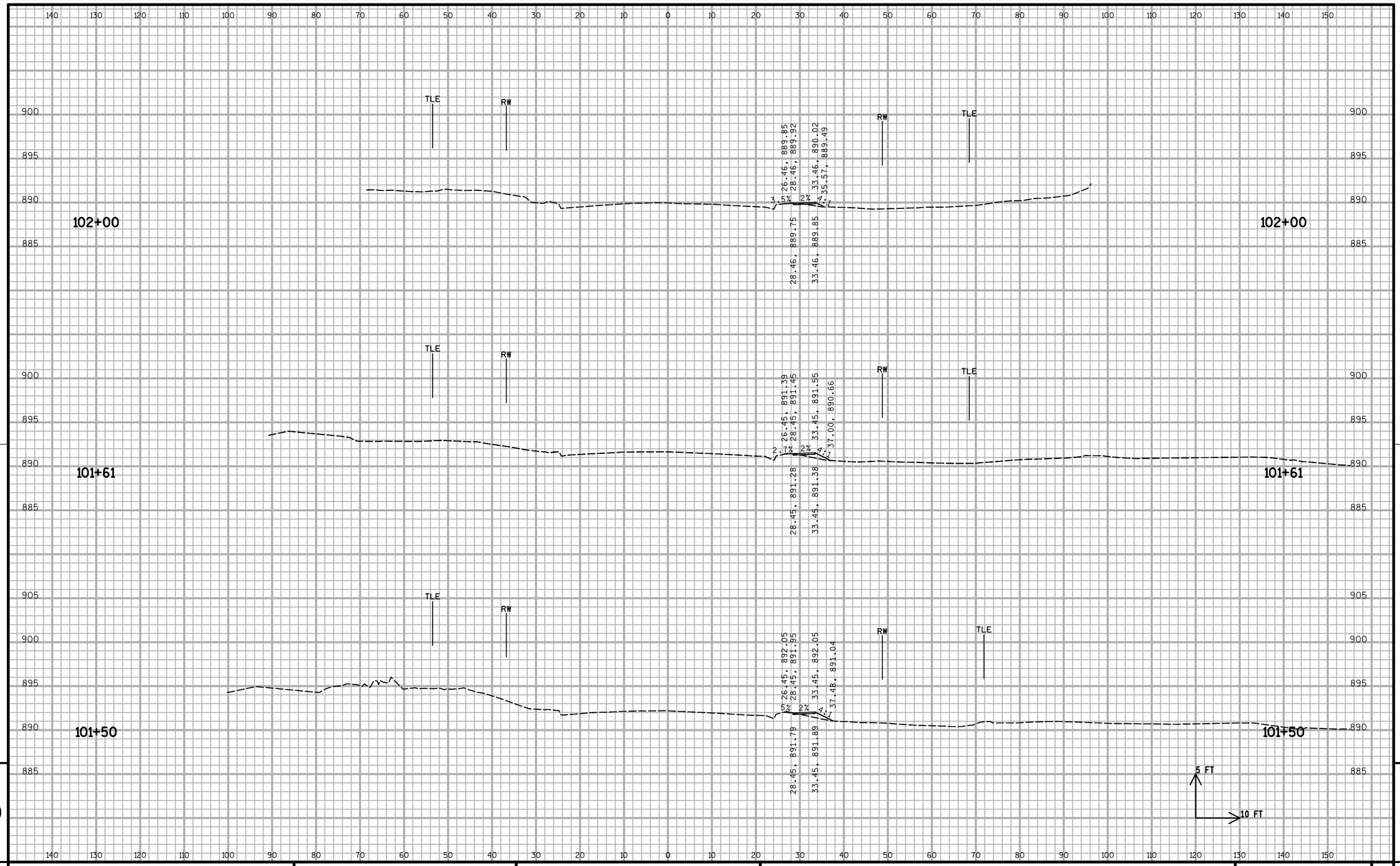
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PLOT DATE : 7/25/2012
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 21



9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



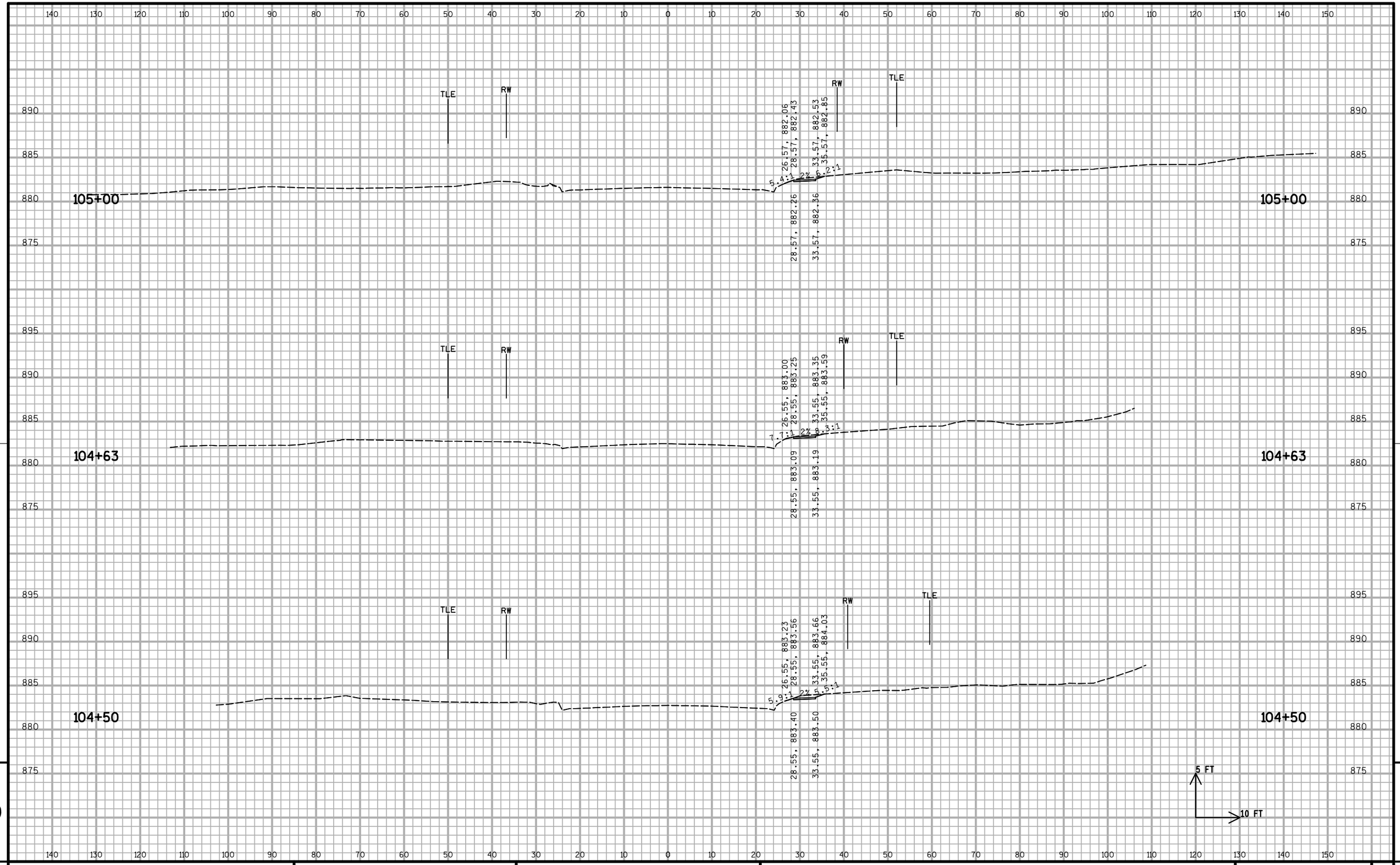
9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

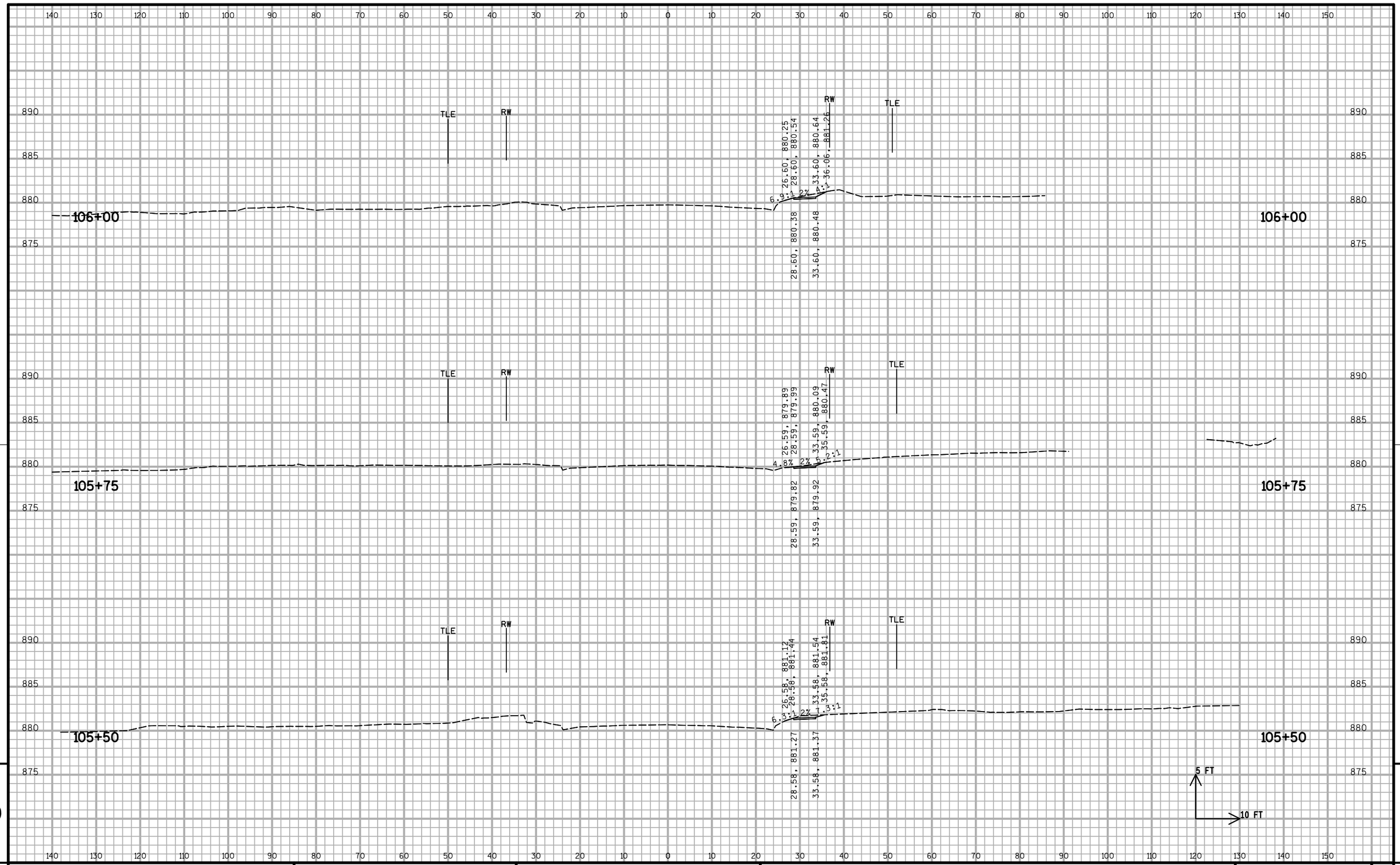
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 534	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

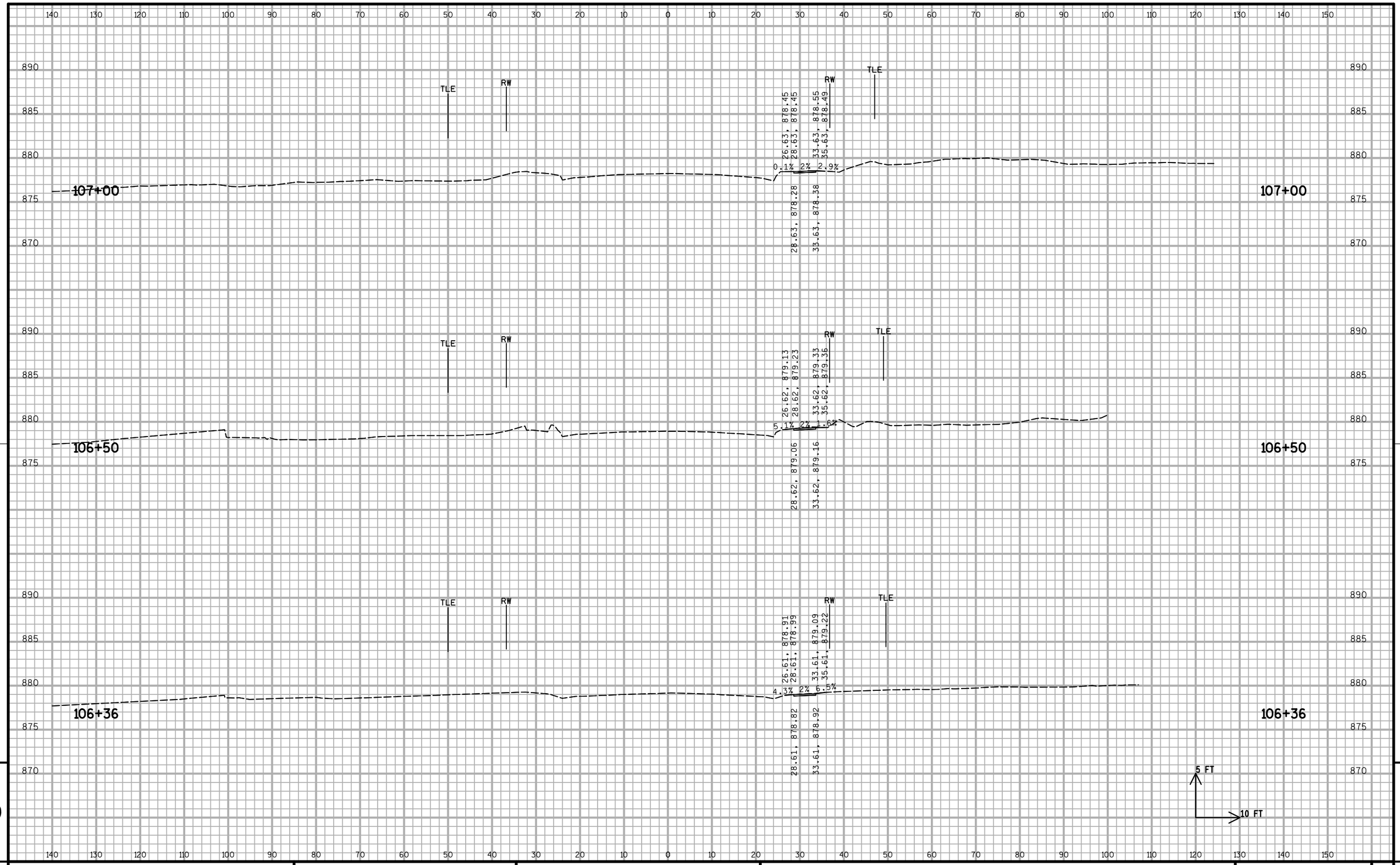
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 535	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 536	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

885 880 875 870

TLE RW

26.52, 877.90
28.52, 878.00

RW TLE

33.52, 878.10
35.52, 878.59

4.9% 2% 4:1

28.52, 877.83

33.52, 877.93

108+00

108+00

885 880 875 870

TLE RW

26.62, 878.05
28.62, 878.09

RW TLE

33.62, 878.19
35.62, 878.09

2.0% 2% 4.7%

28.62, 877.92

33.62, 878.02

107+50

107+50

885 880 875 870

RW TLE

26.61, 877.71
28.61, 877.80

RW TLE

33.61, 877.90
35.61, 878.04

4.3% 2% 7.1%

28.61, 877.63

33.61, 877.73

107+42

107+42

5 FT

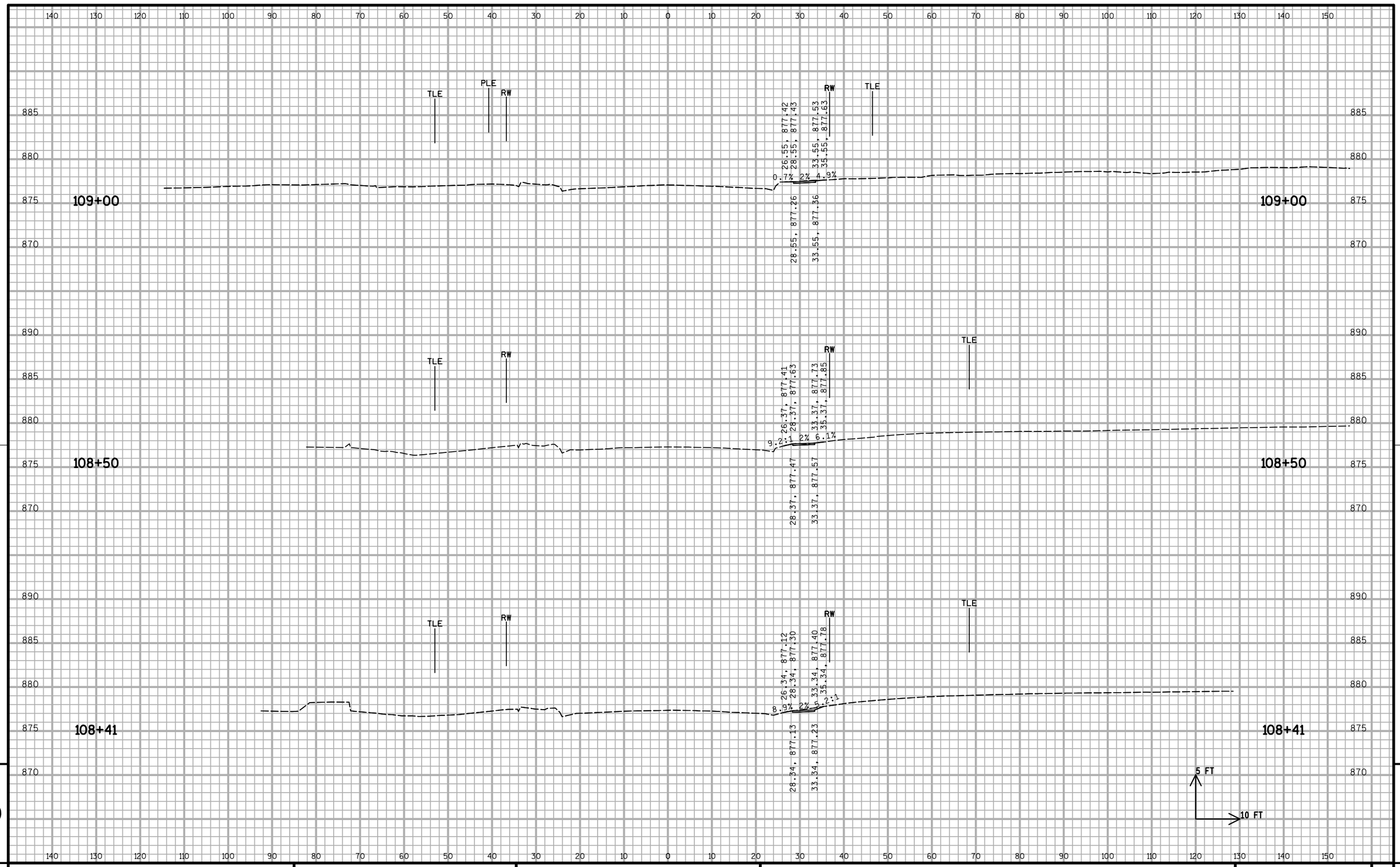
10 FT

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 537	E



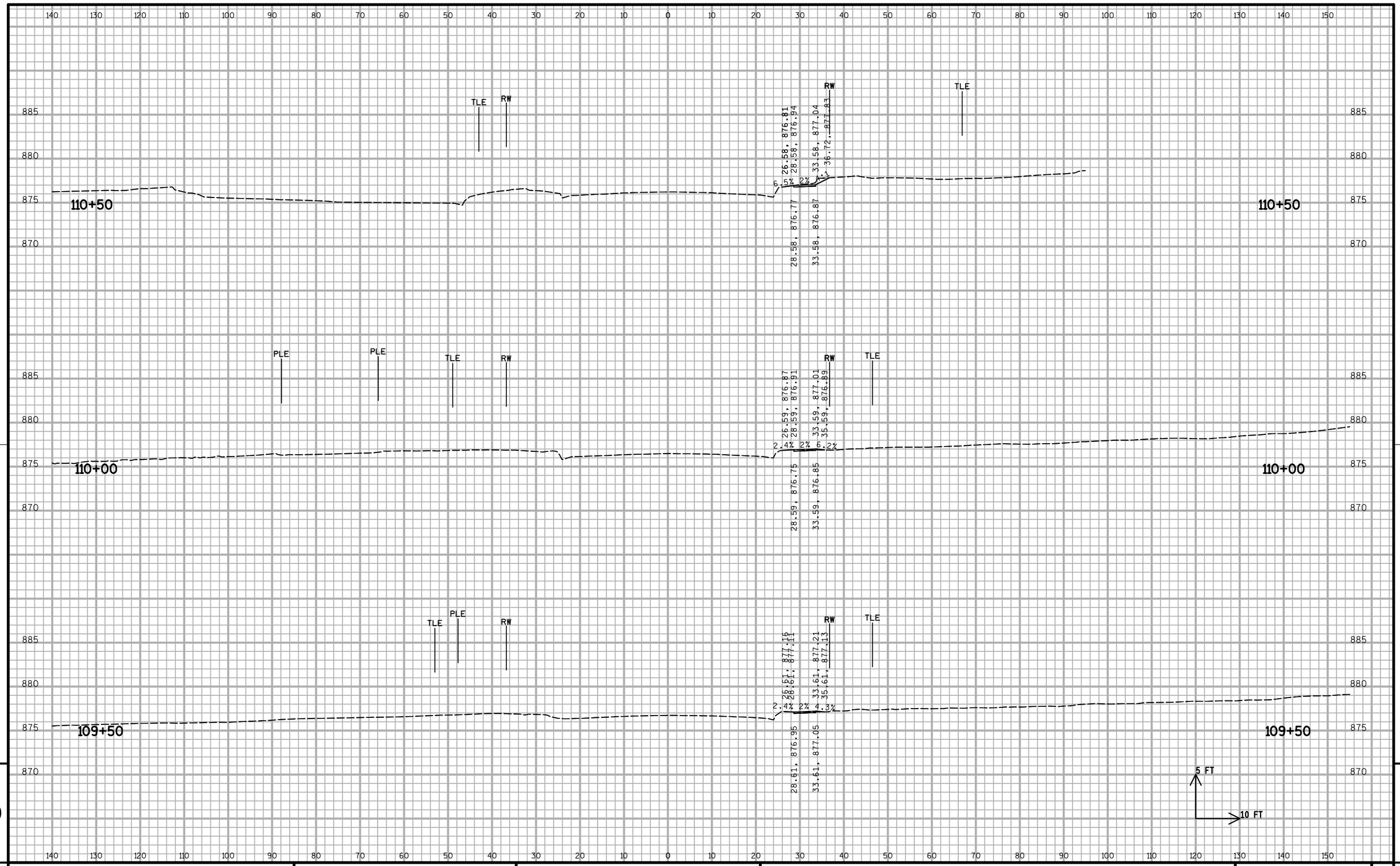
9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 538	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 539	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

885 880 875 870

TLE RW

RW

TLE

28.42, 875.98
30.42, 876.23
35.42, 876.33
37.96, 876.96
8.2:1 2% 4:1
30.42, 876.06
35.42, 876.16

111+18

111+18

TLE RW

RW

TLE

26.57, 876.29
28.57, 876.44
33.57, 876.54
35.57, 876.80
7.3% 2% 7.8:1
28.57, 876.27
33.57, 876.37

111+00

111+00

TLE RW

RW

TLE

26.37, 875.71
28.37, 875.85
33.38, 875.95
35.36, 876.45
7.0% 2% 4:1
28.37, 875.68
33.38, 875.78

110+79

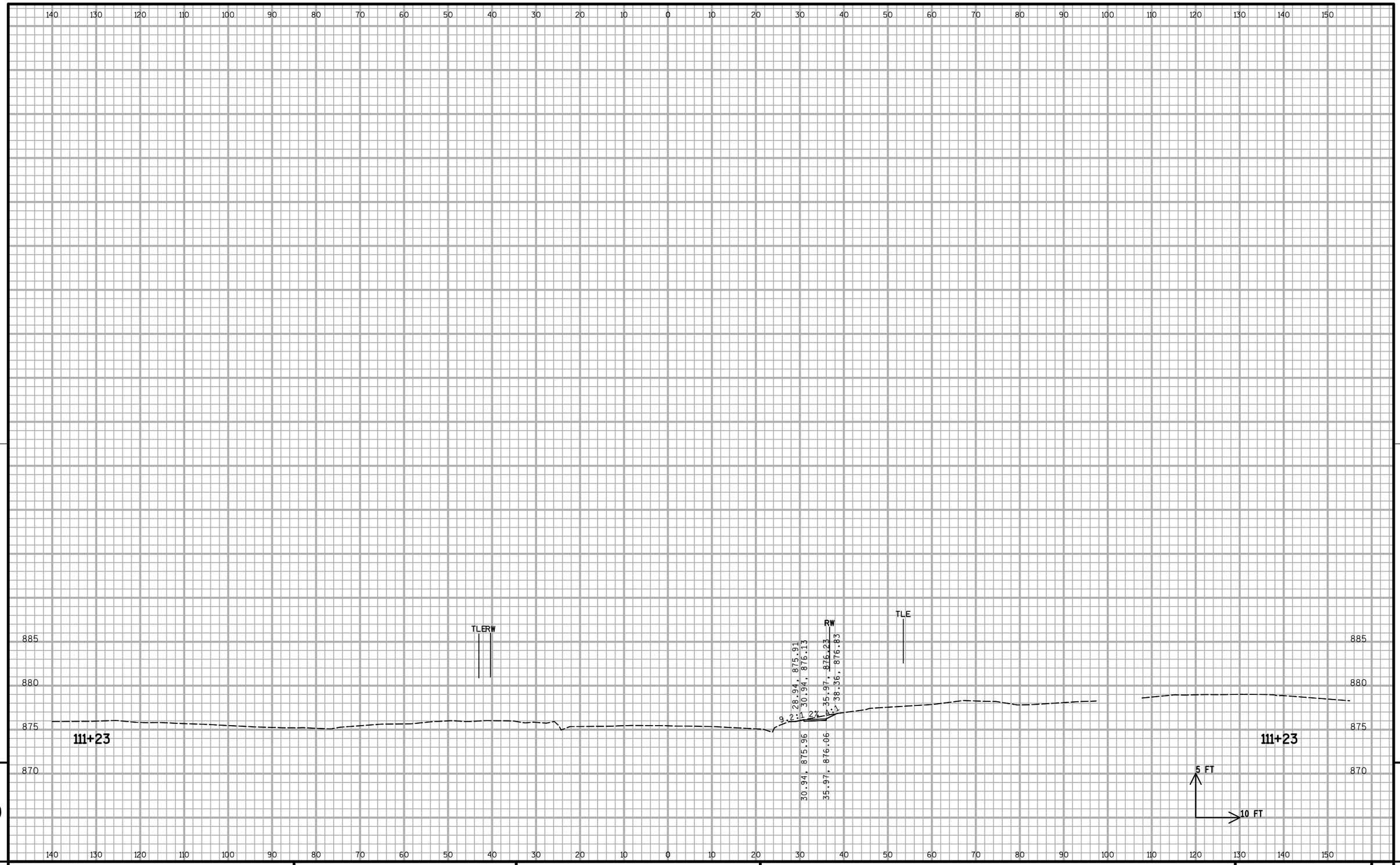
110+79

5 FT
10 FT

9

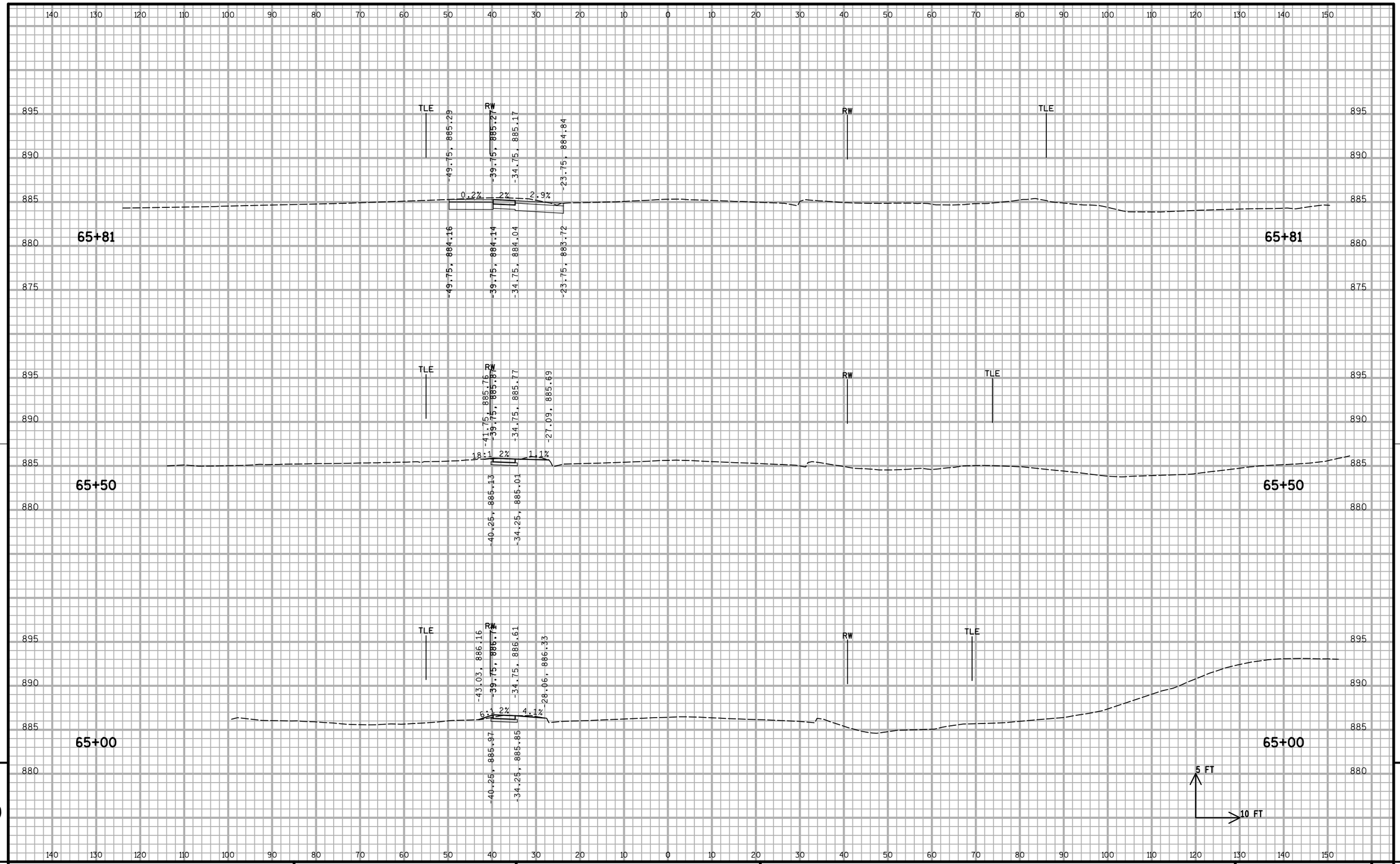
9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 540	E

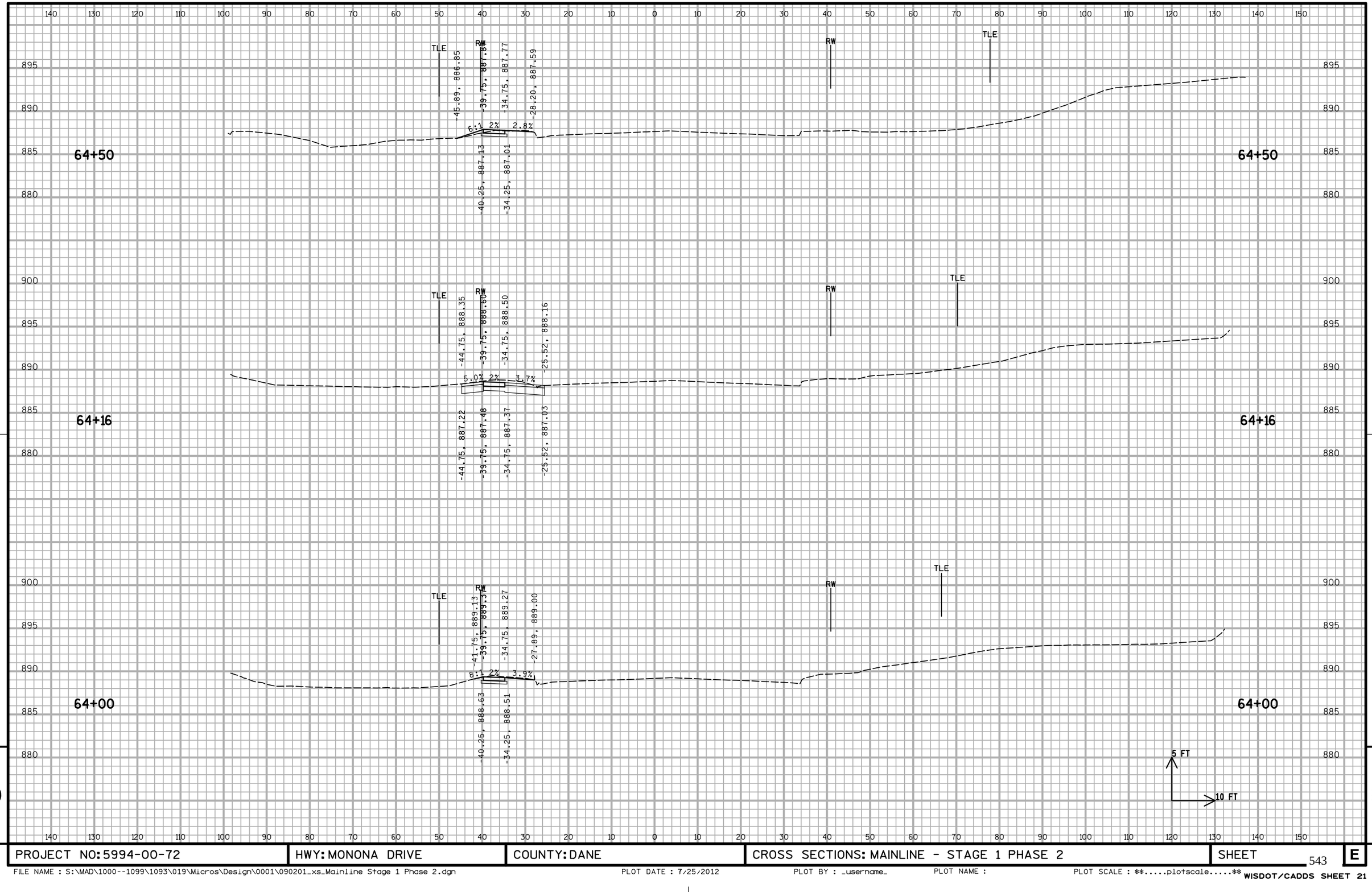


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 1	SHEET 541	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 1.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



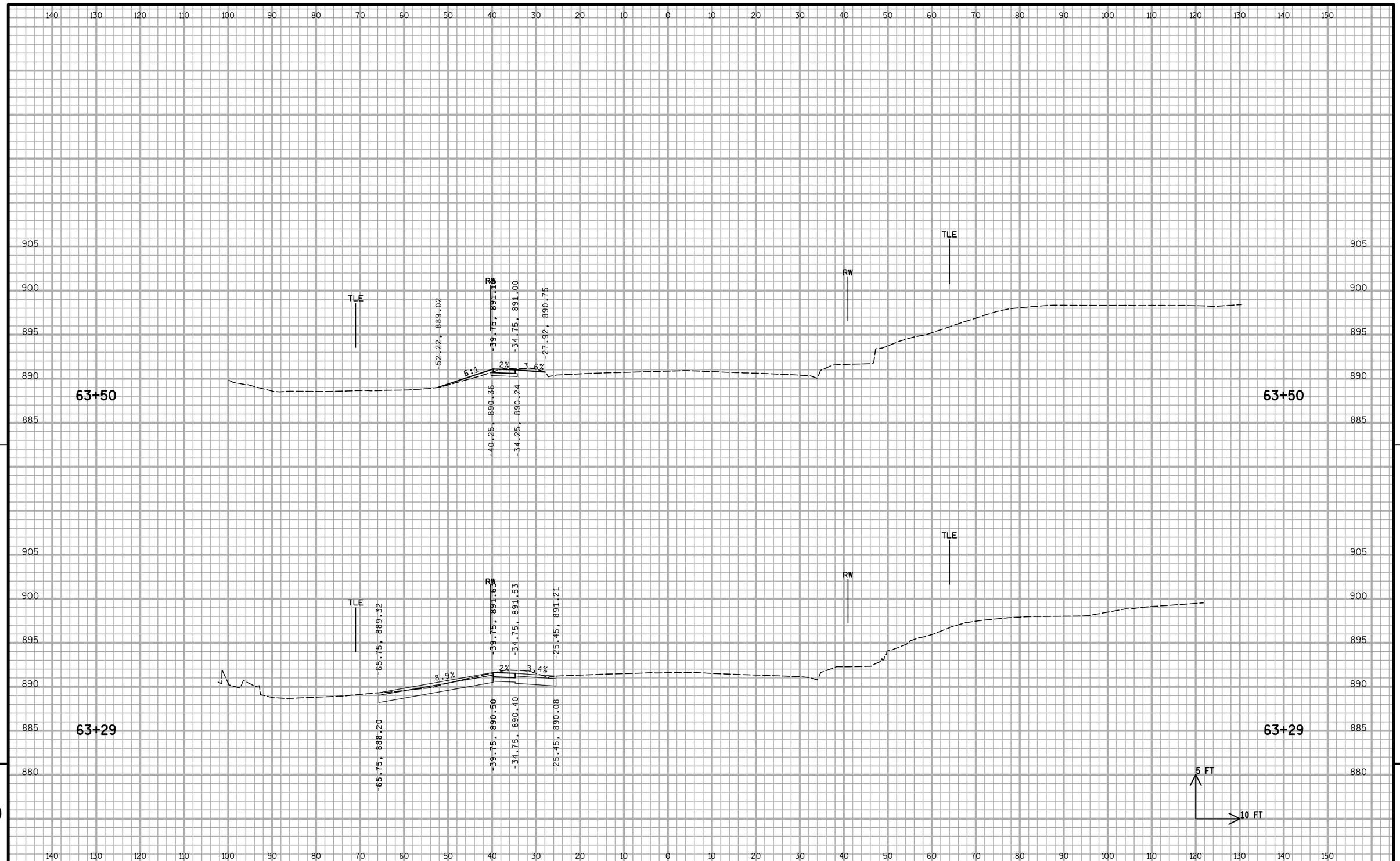
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 542	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 543	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

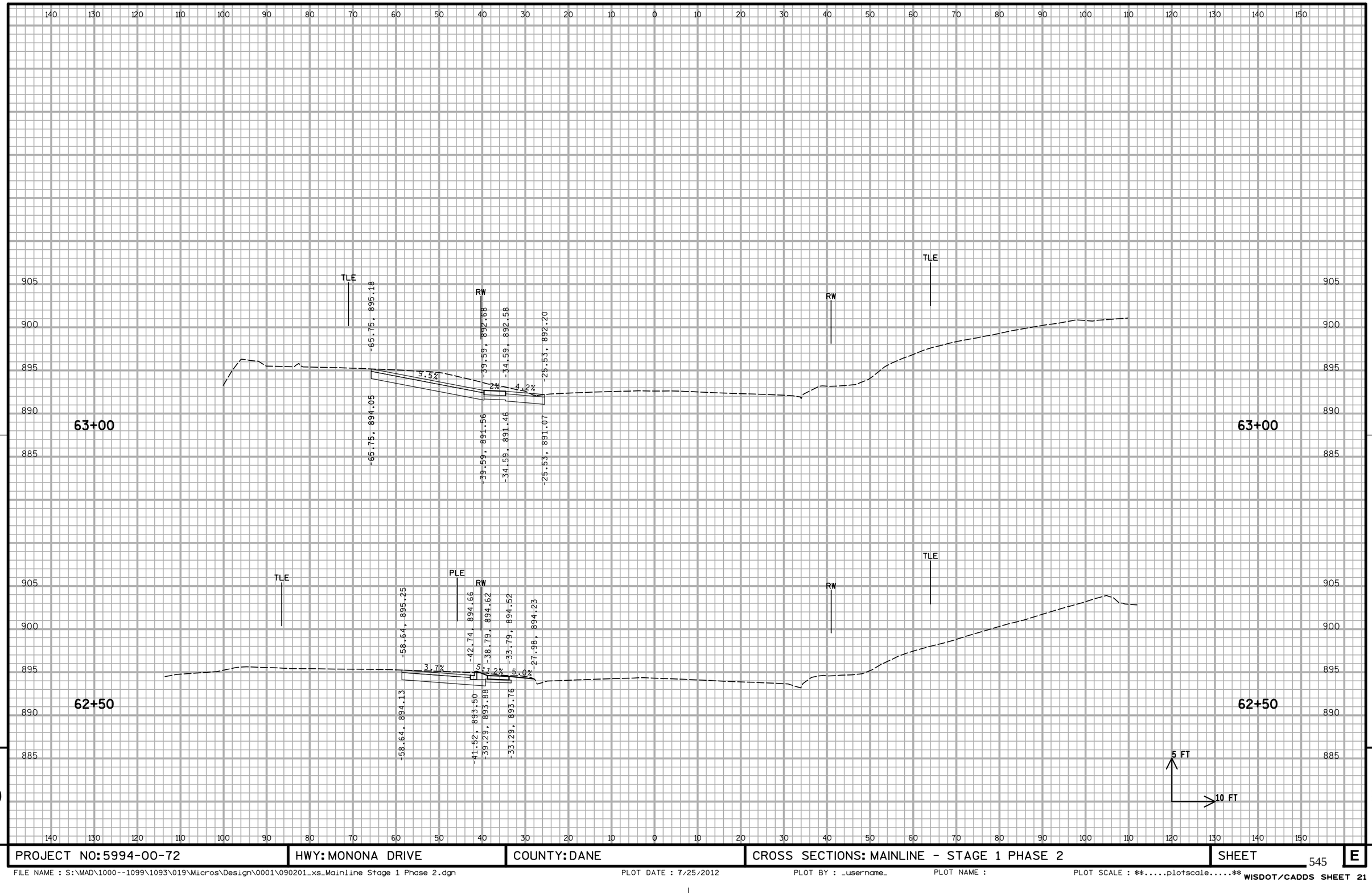


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 544	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

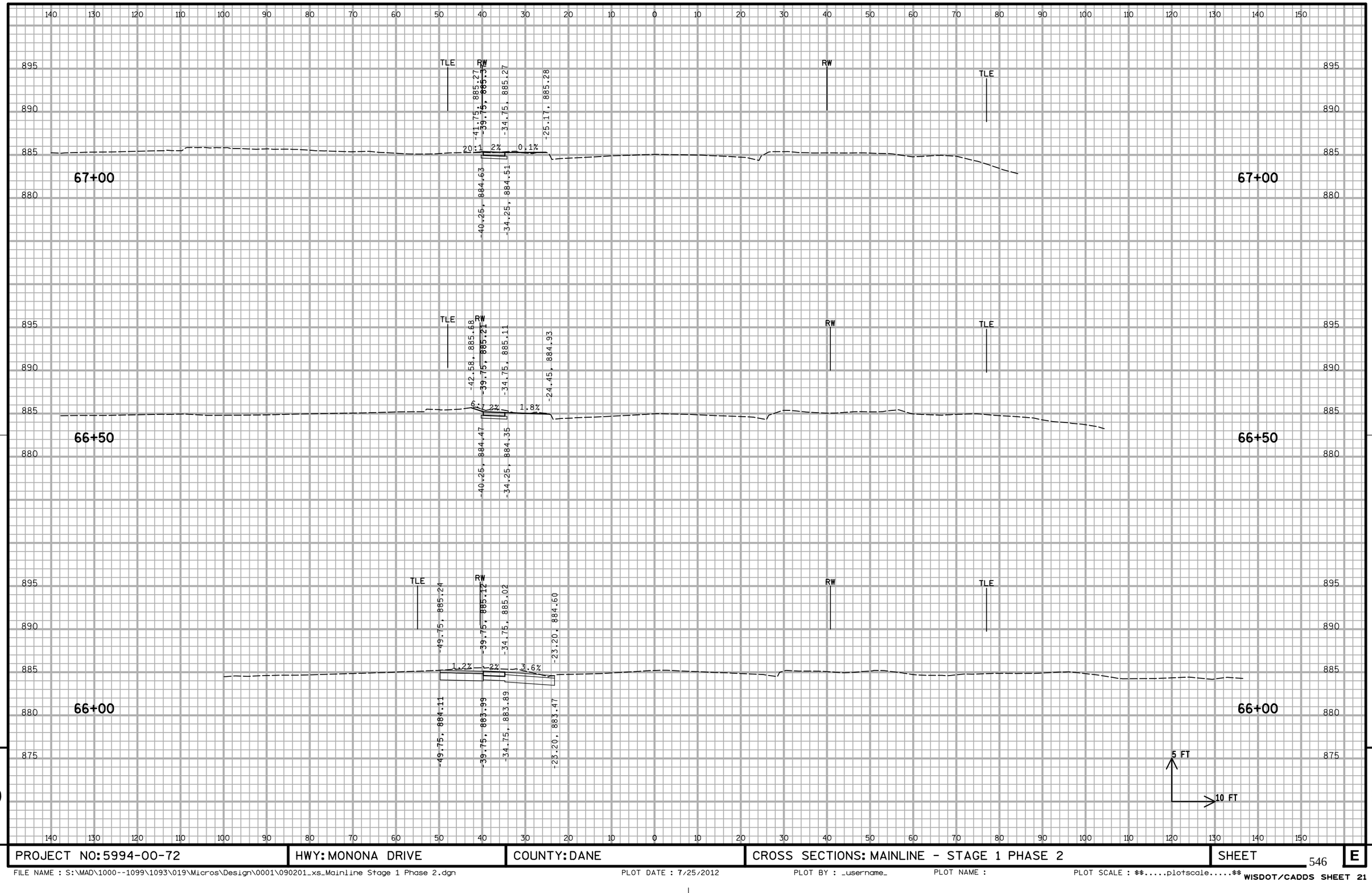


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 545	E

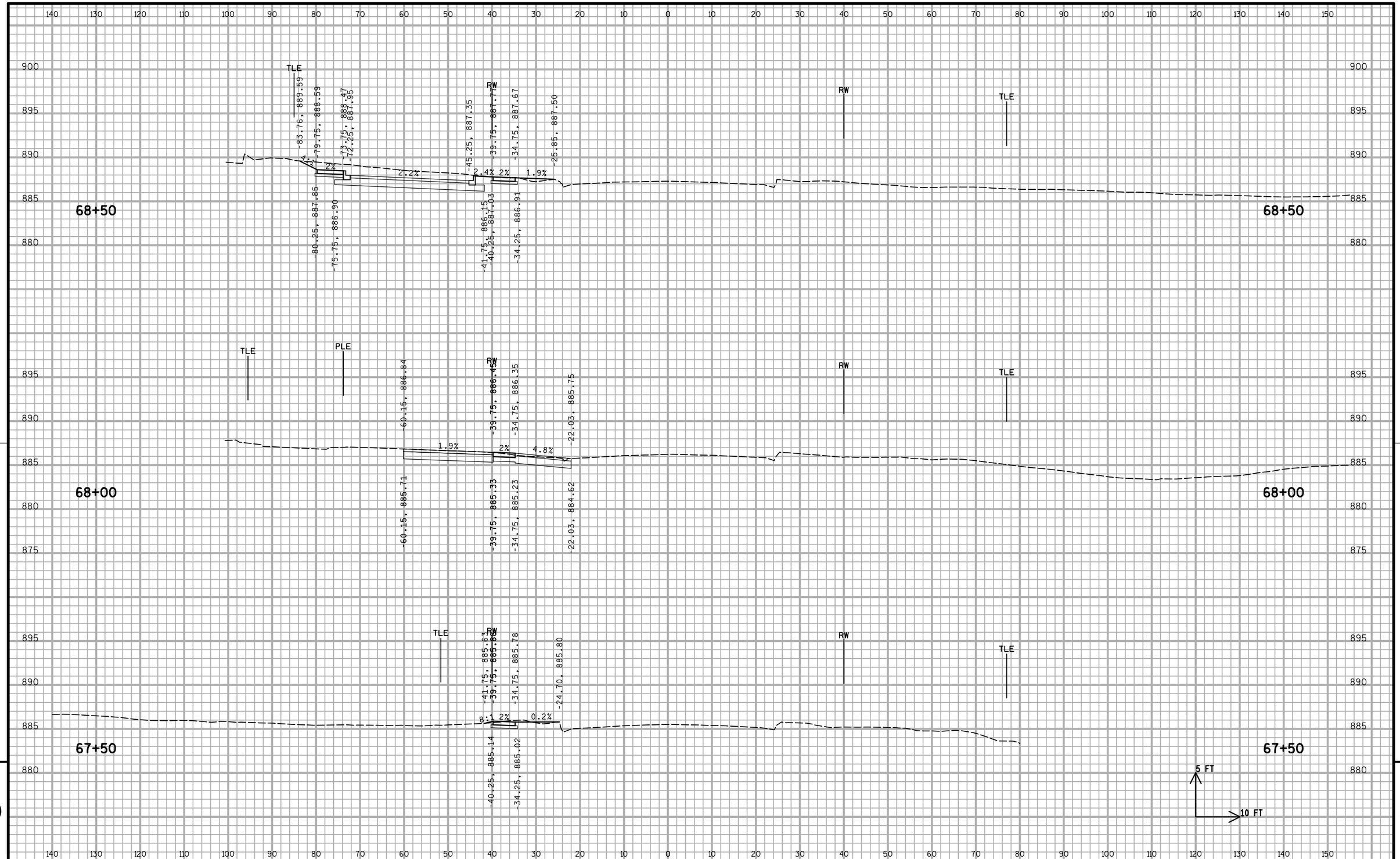
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



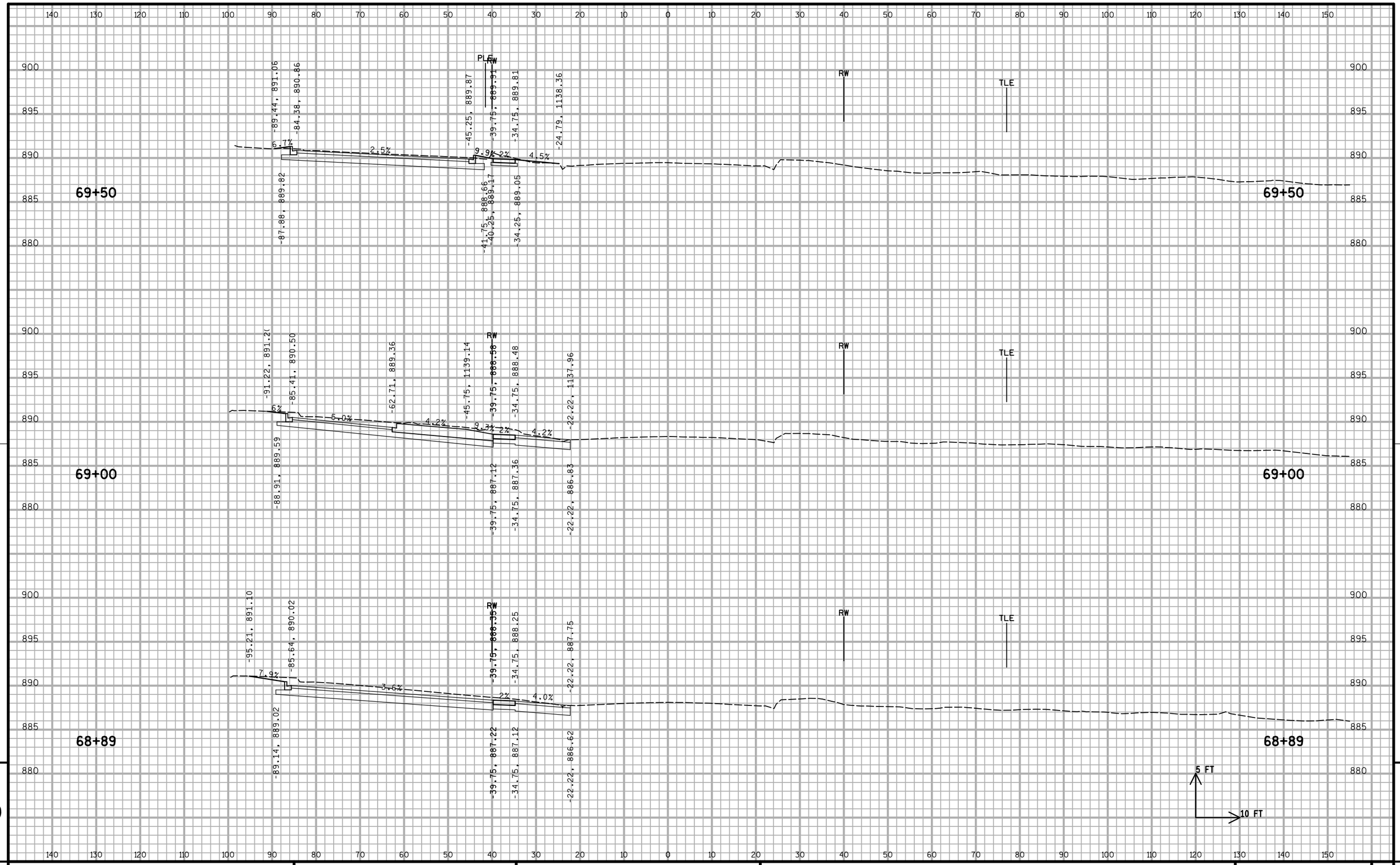
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9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 546	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 547	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 548	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

900
895
890
885

71+00

RW
TLE
1/

PLE
RW
-39.75, 892.05
-34.75, 891.95
-27.18, 1140.68
SITE PLANNED FOR REDEVELOPMENT
ANTICIPATED CONSTRUCTION IN 2013
2%
3.5%
-40.25, 891.31
-34.25, 891.19

70+50

TLE
PLE
RW
-39.75, 890.98
-34.75, 890.88
-27.02, 1139.45
SITE PLANNED FOR REDEVELOPMENT
ANTICIPATED CONSTRUCTION IN 2013
2%
5.6%
-40.25, 890.24
-34.25, 890.12

70+00

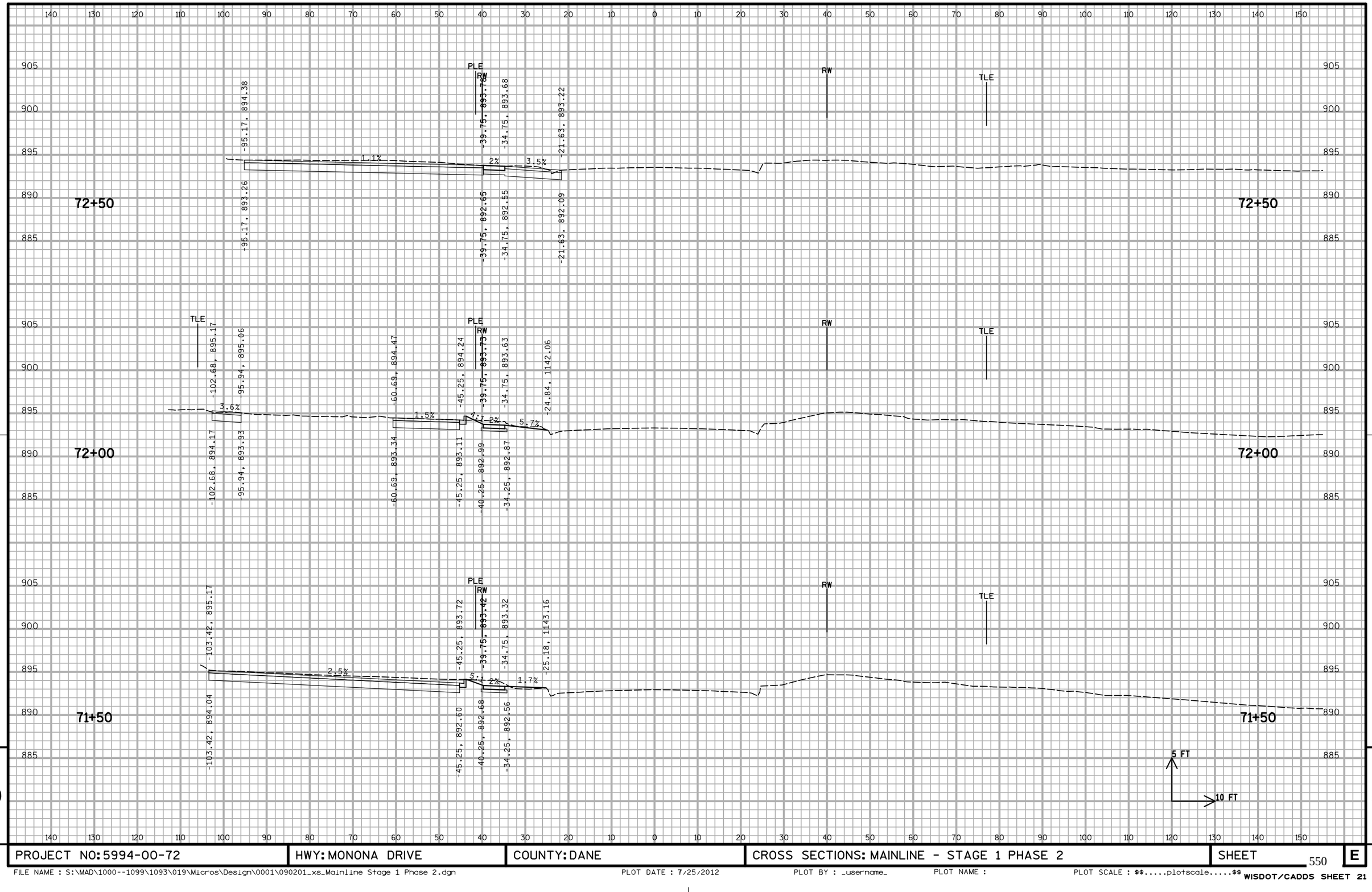
5 FT
10 FT

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

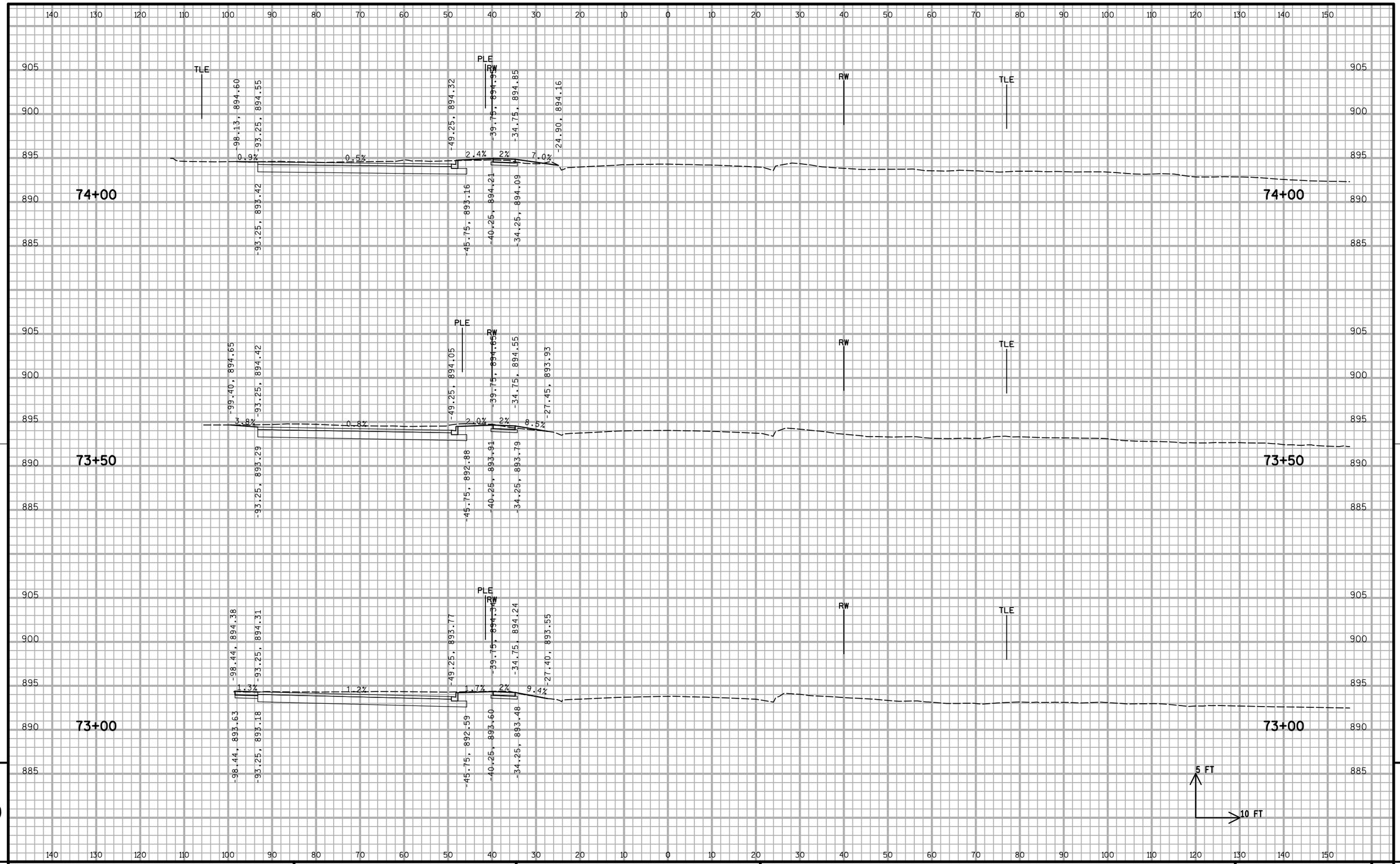


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 550	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

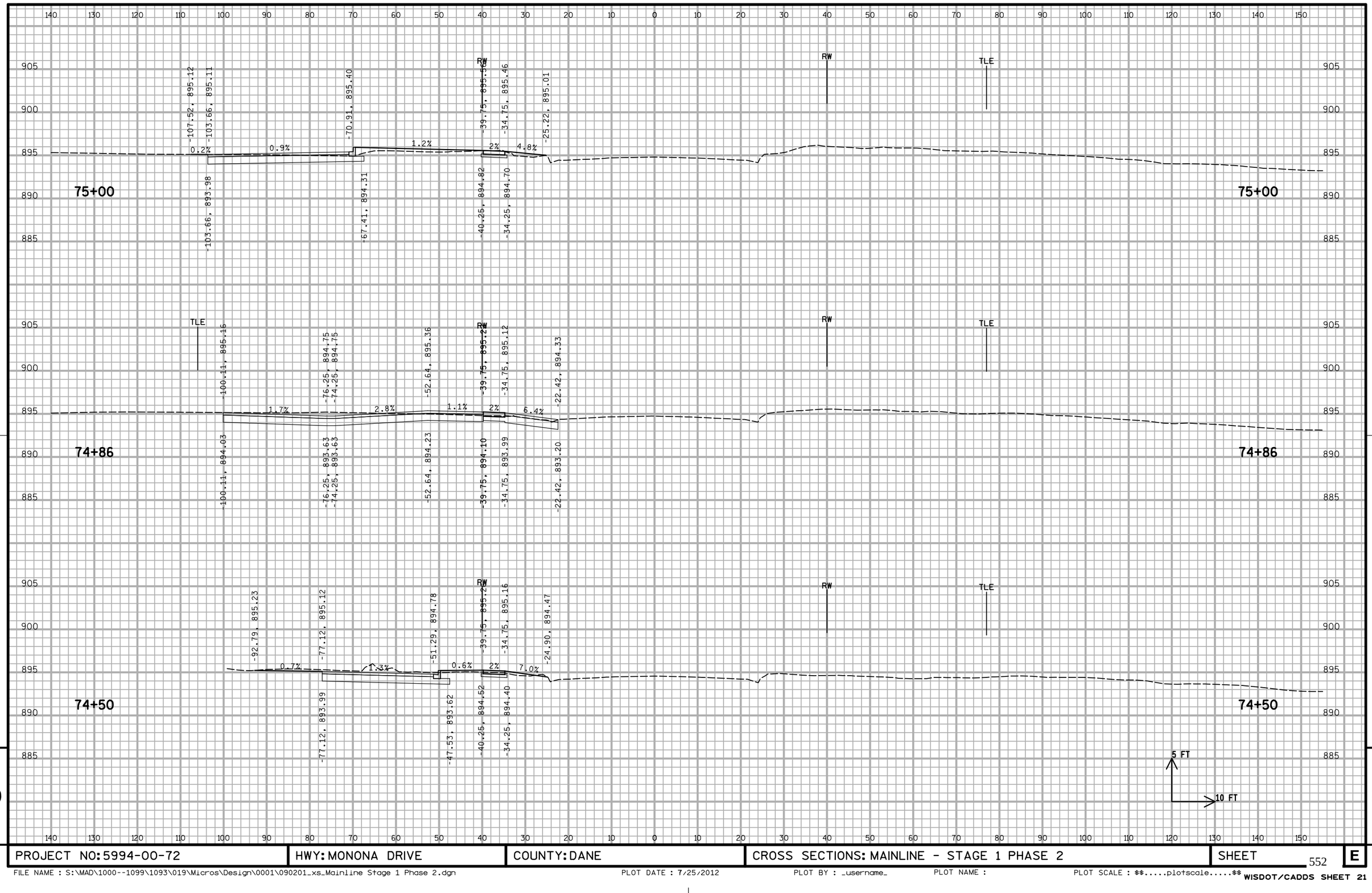


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 551	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

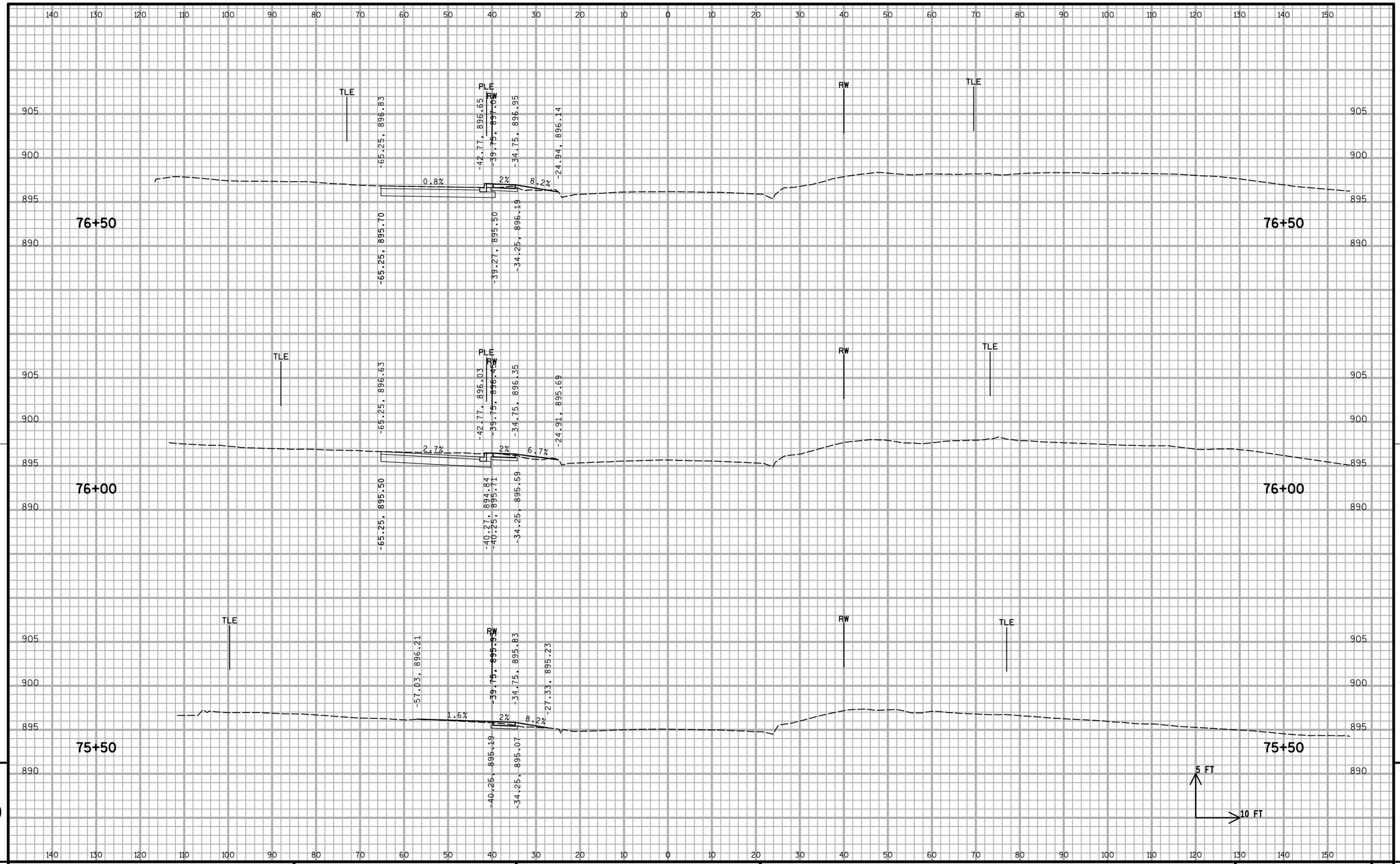


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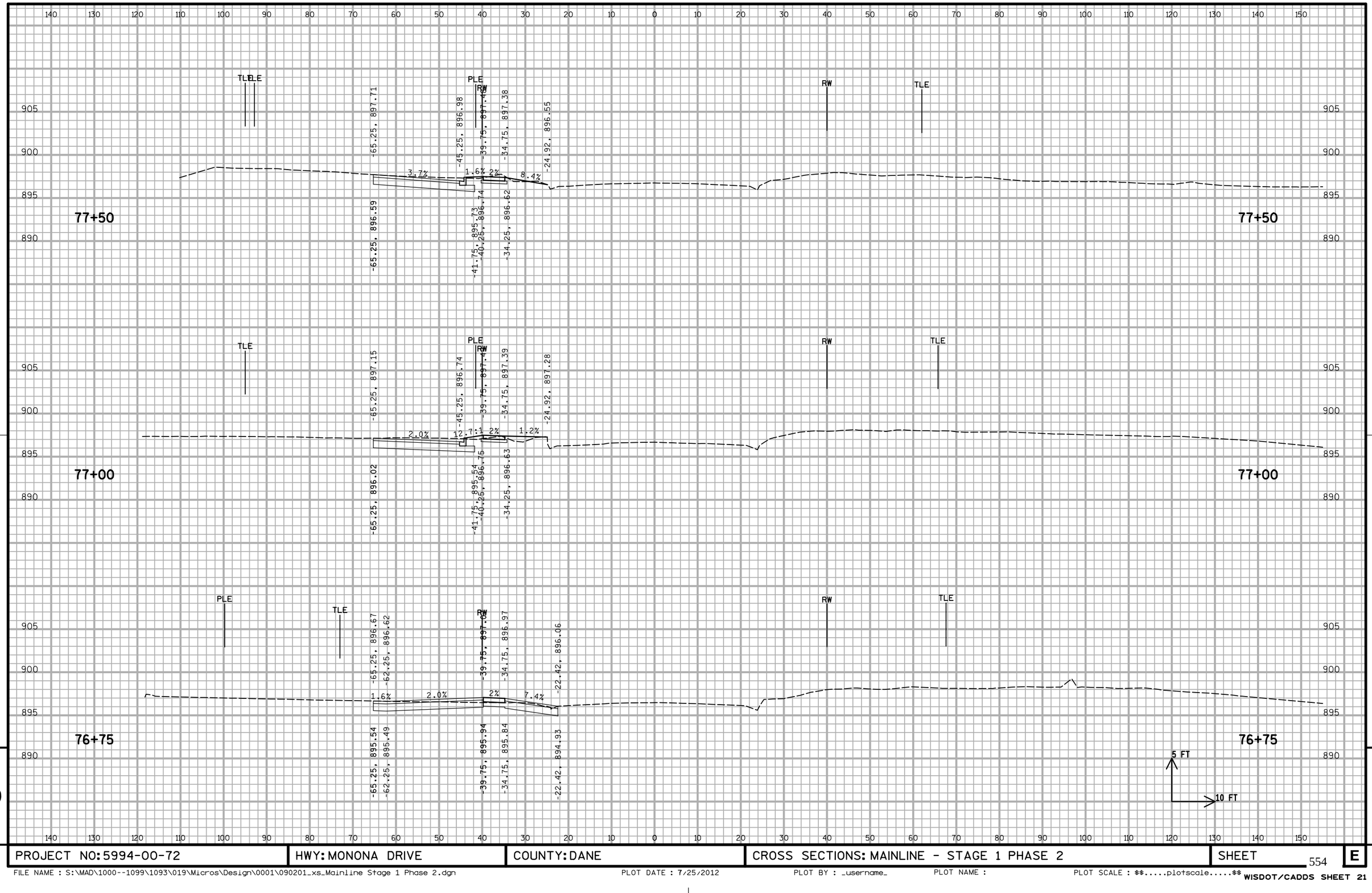
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 552	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



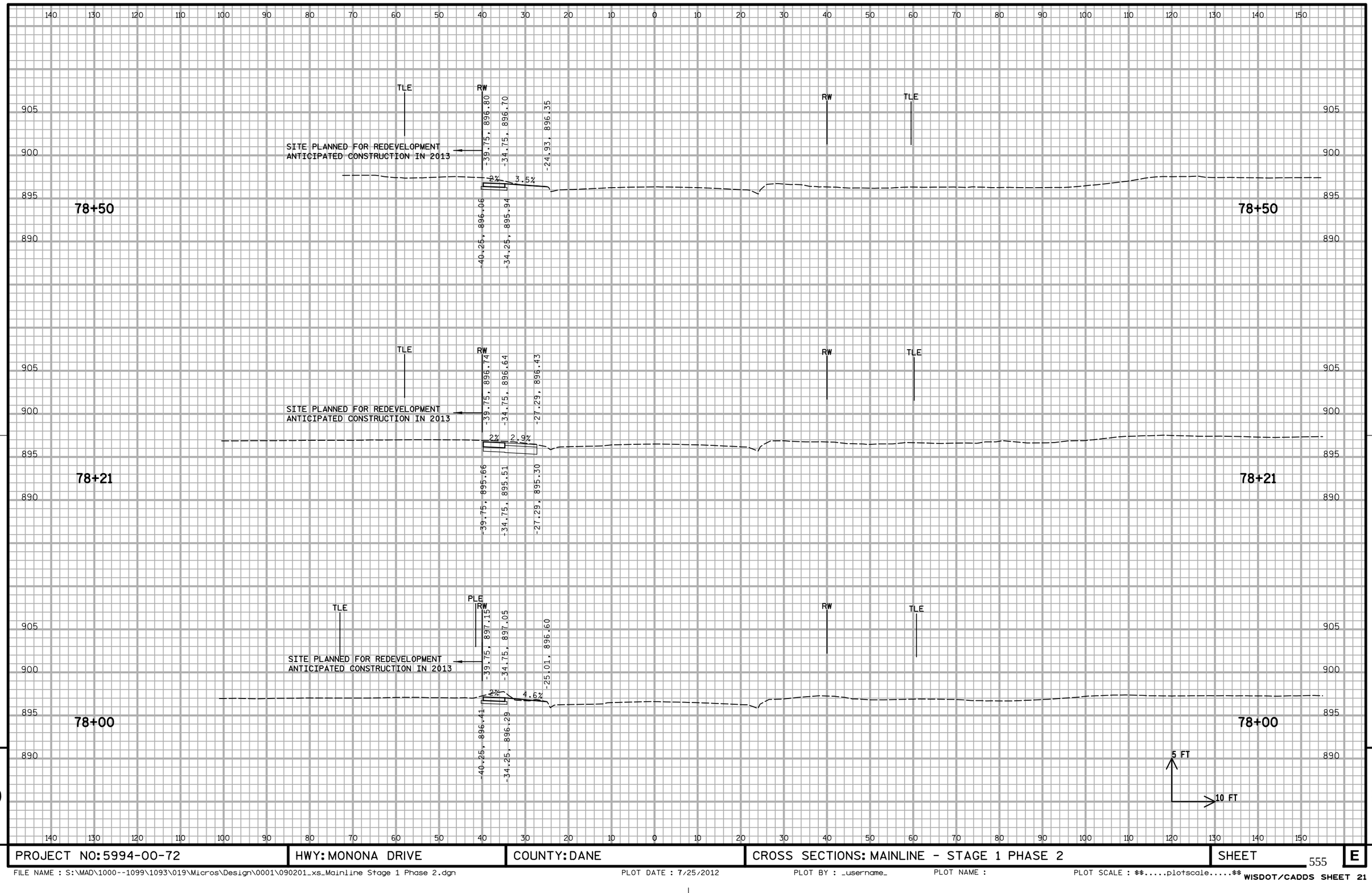
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 553	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



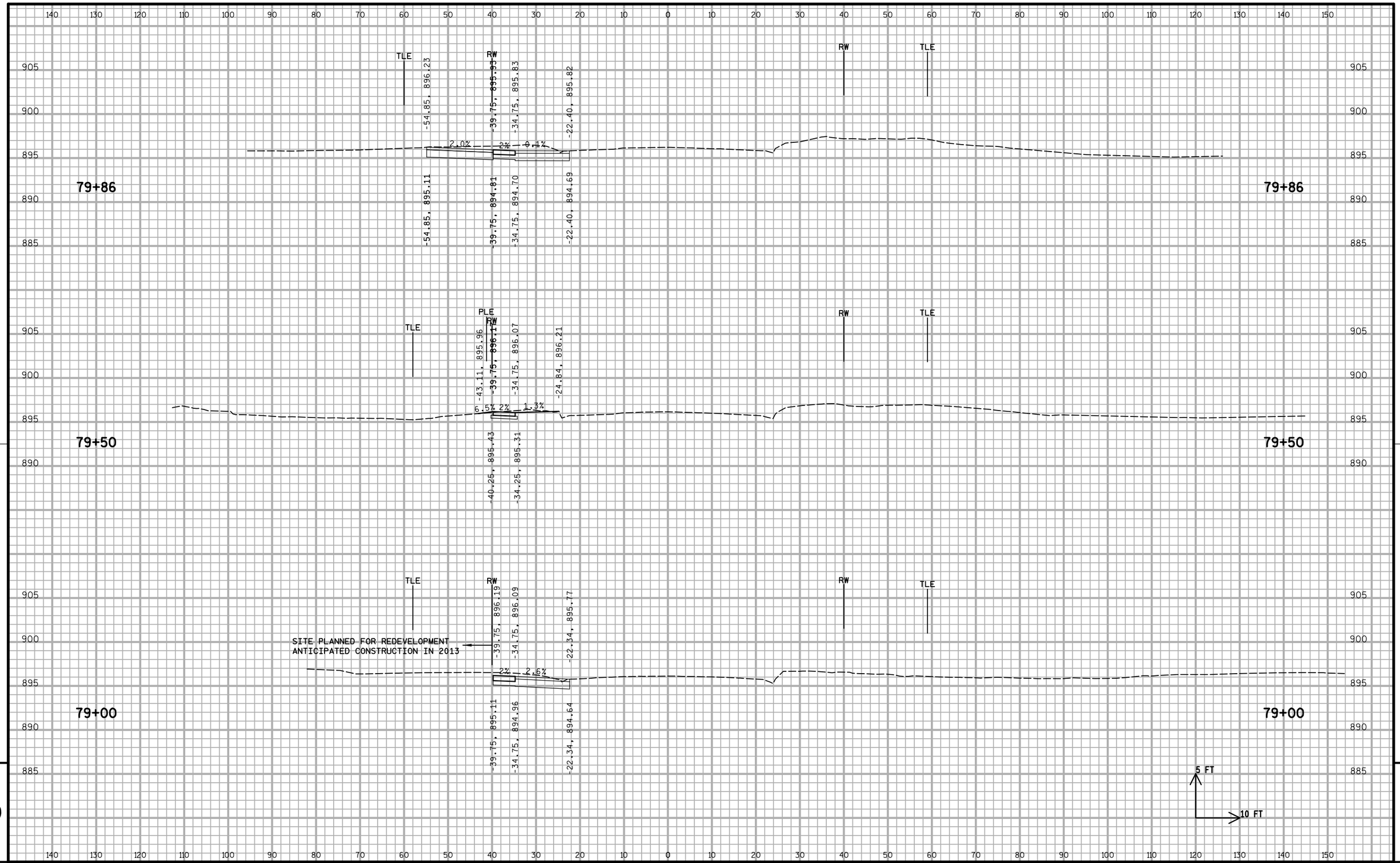
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 554	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 555	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

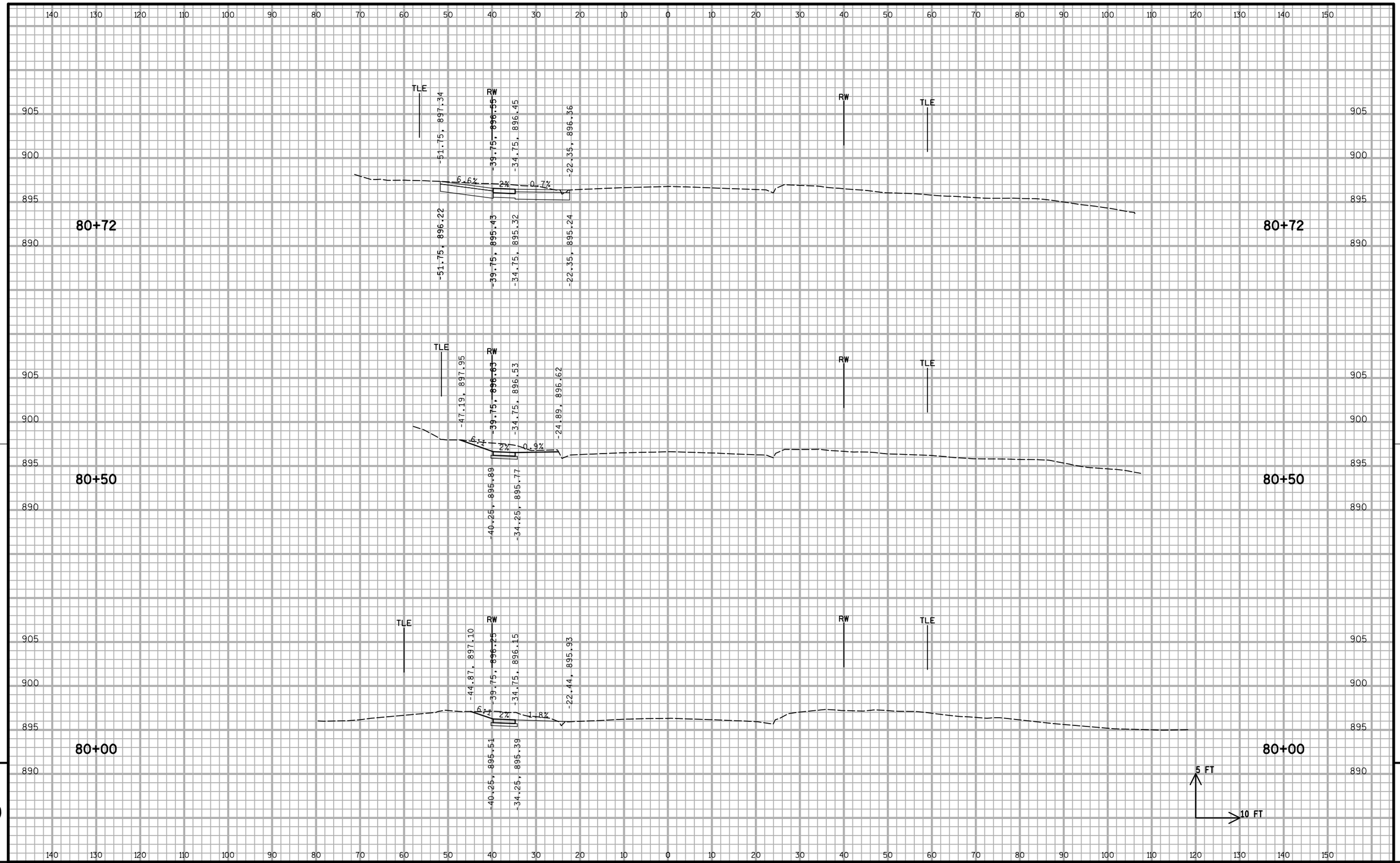


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 556	E

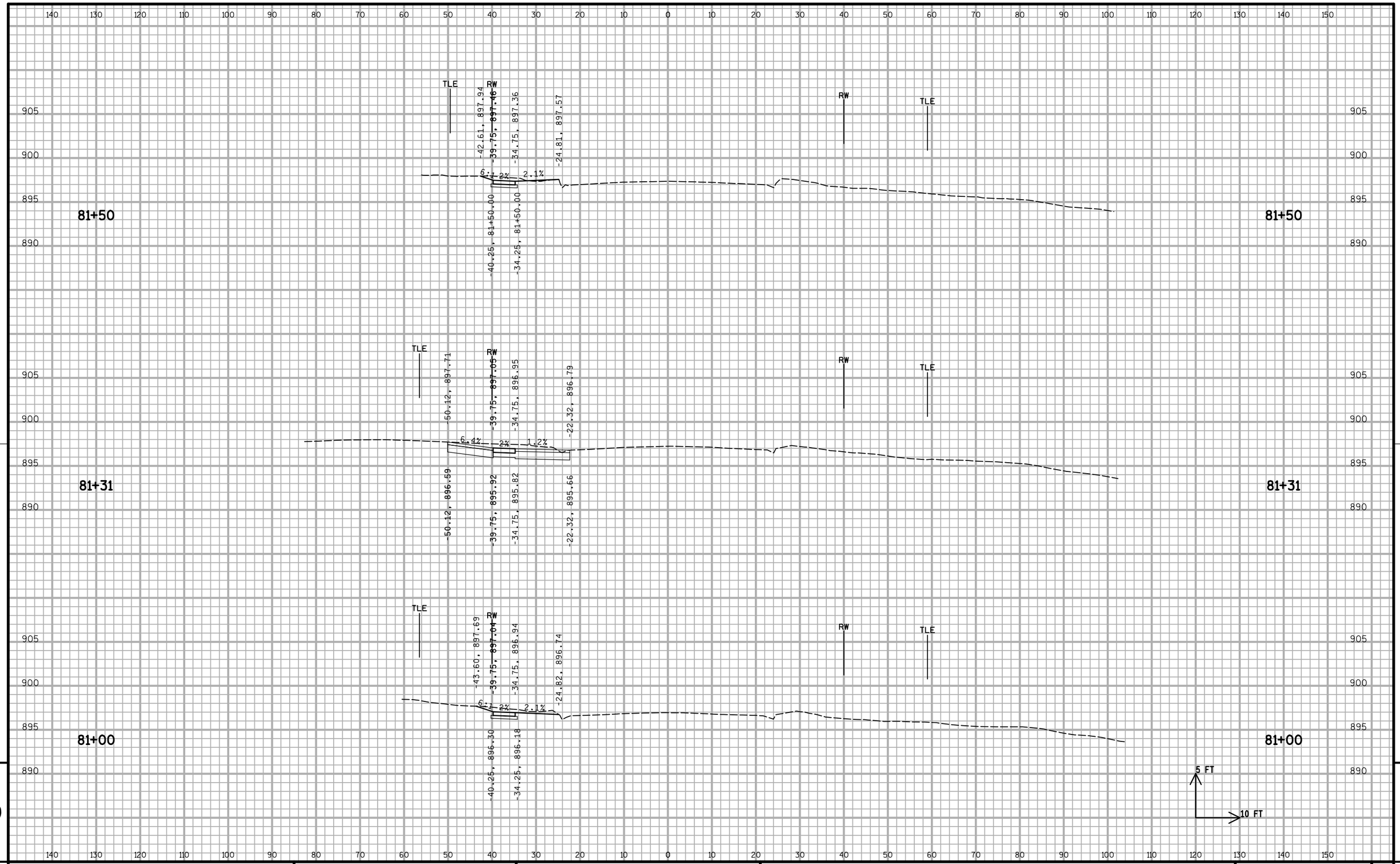
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn
PLOT DATE : 7/25/2012
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 557	E

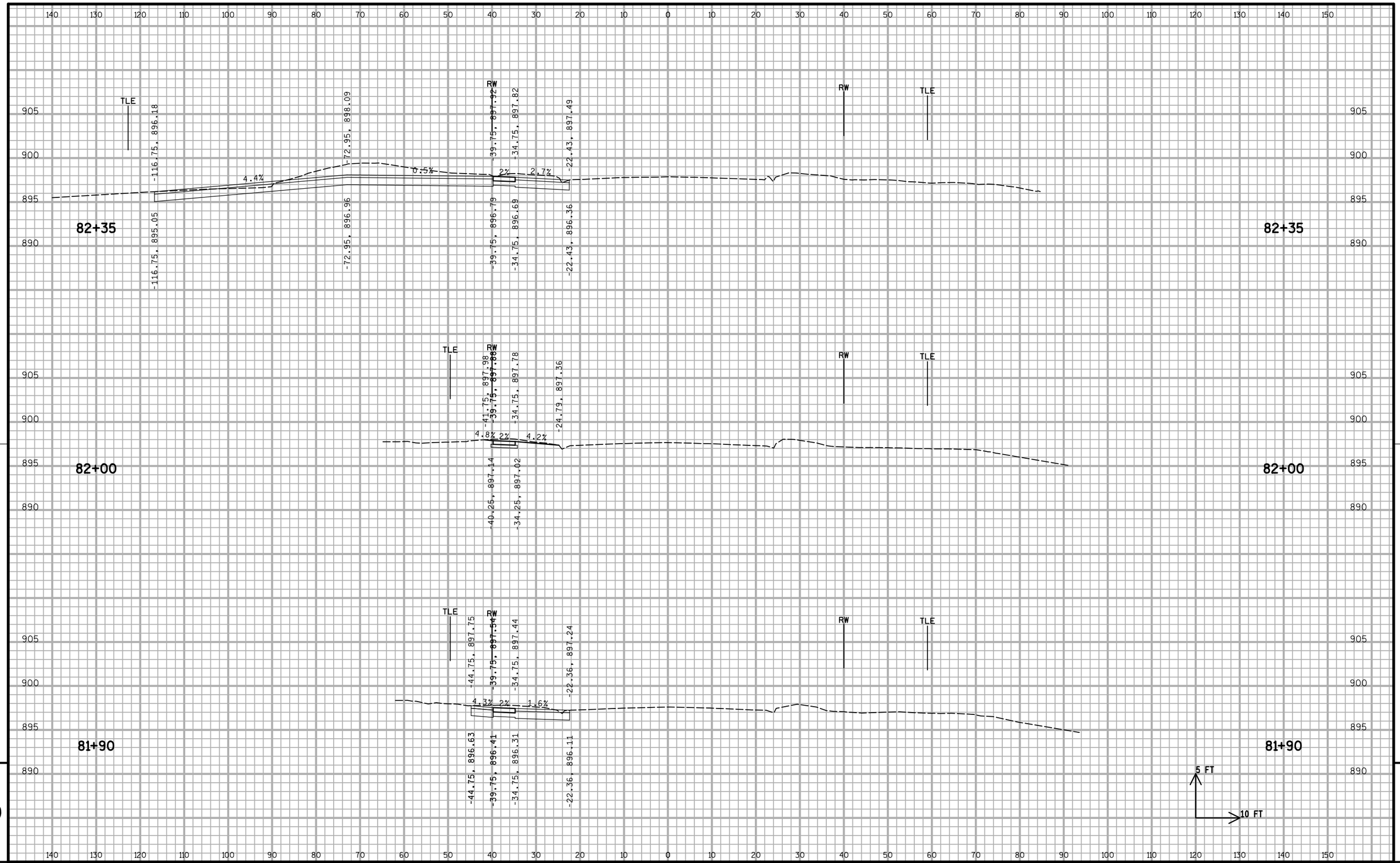
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 558 E

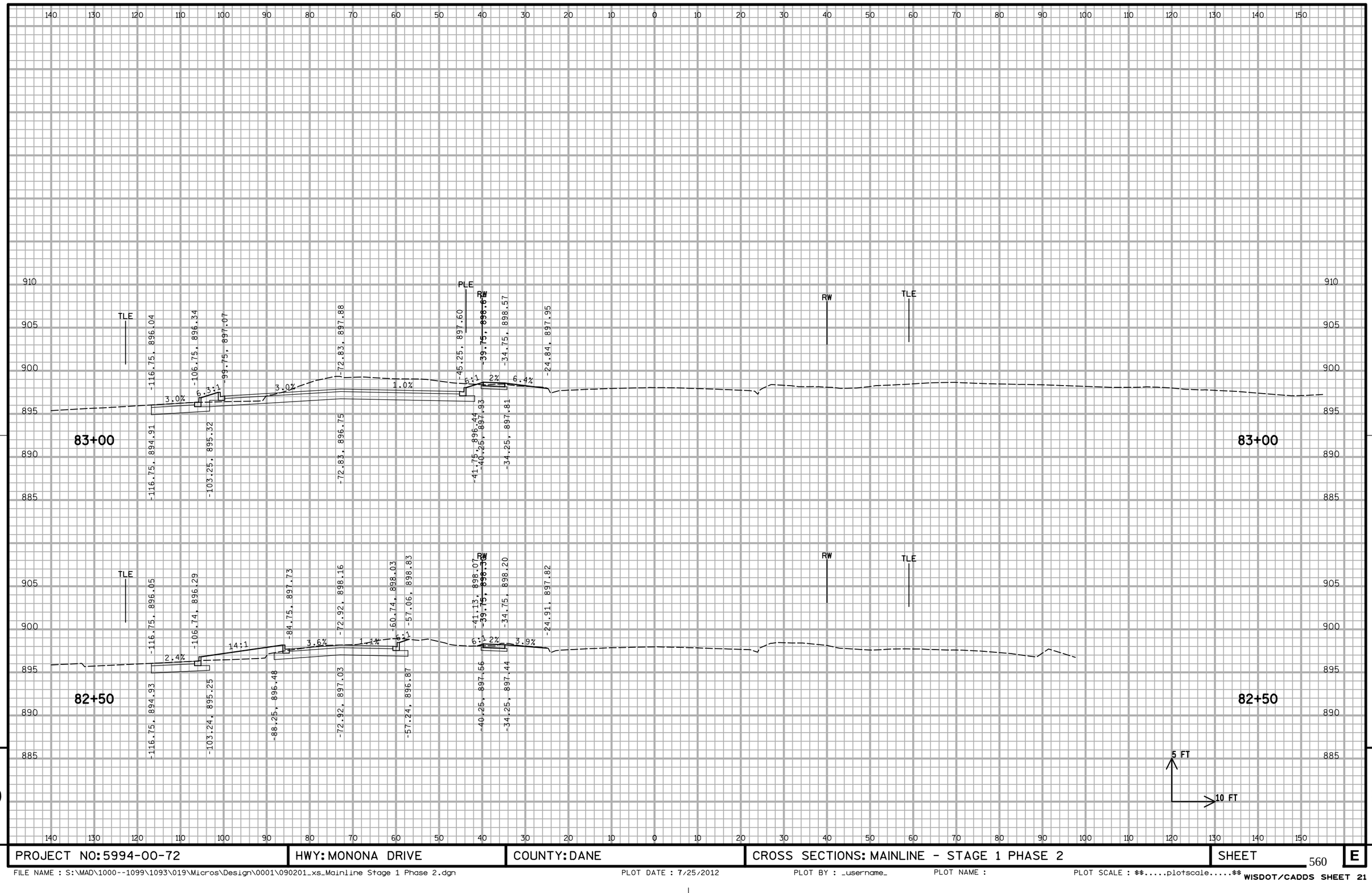
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn
PLOT DATE : 7/25/2012
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 559	E

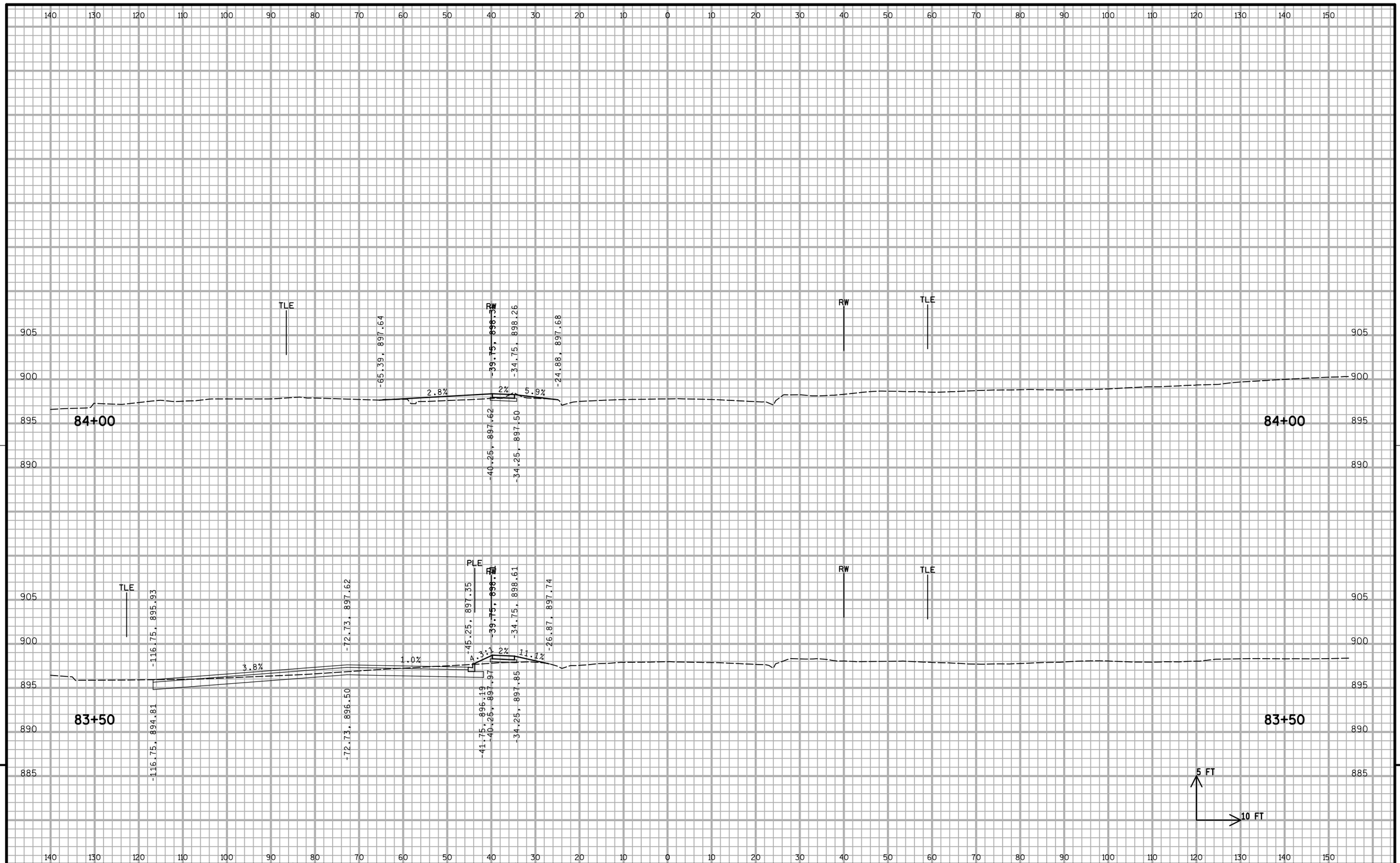
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 560	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

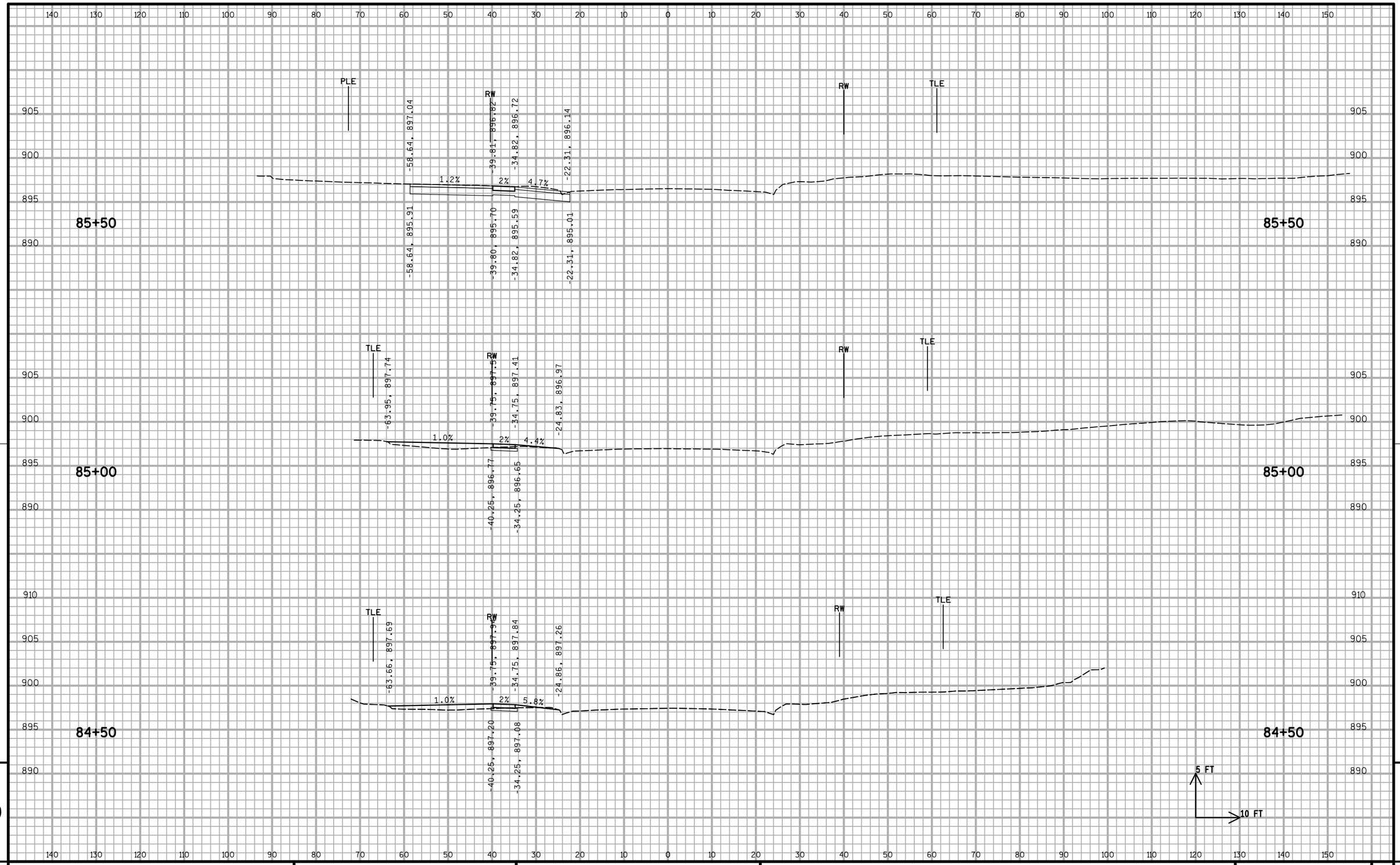


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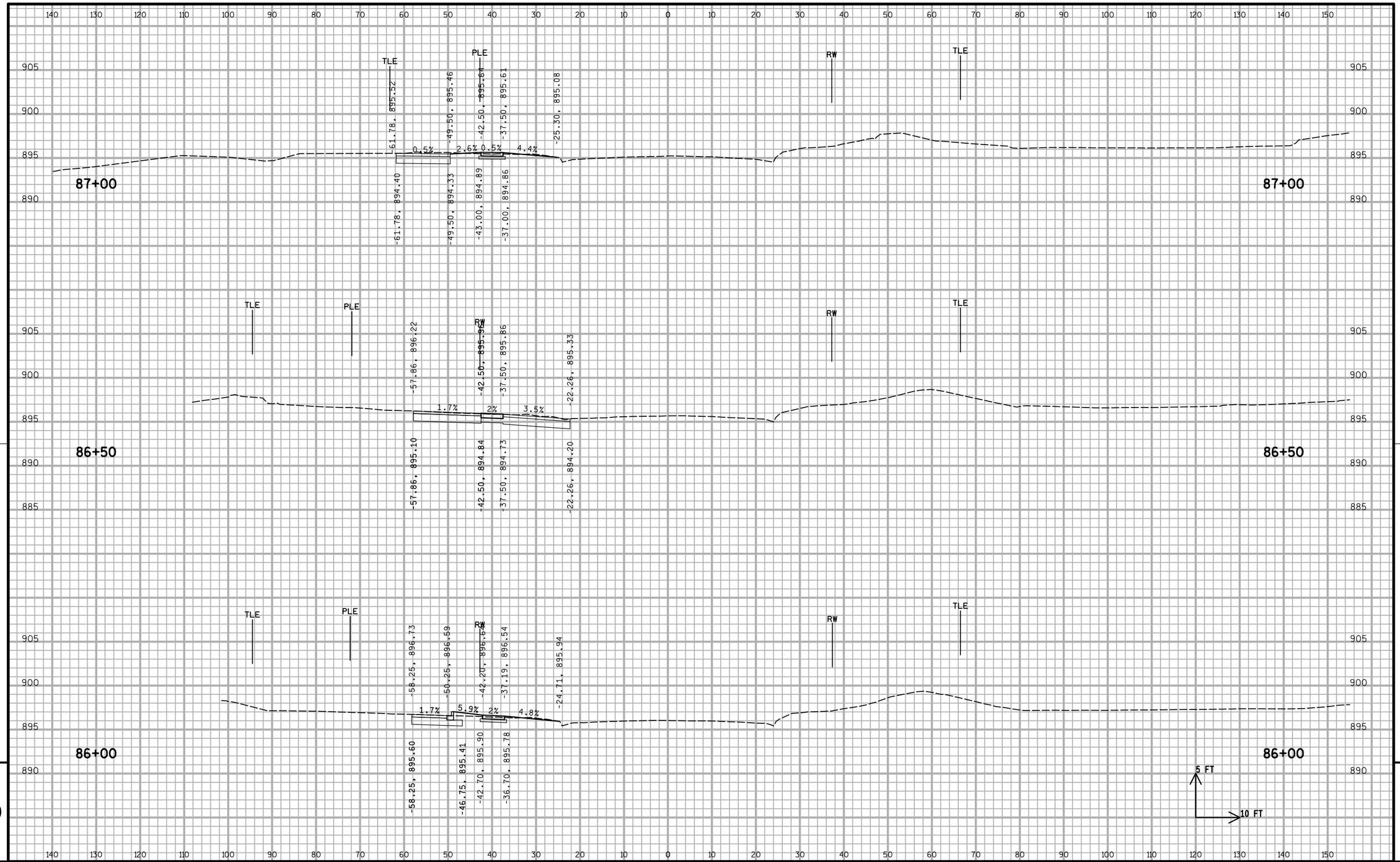
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FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

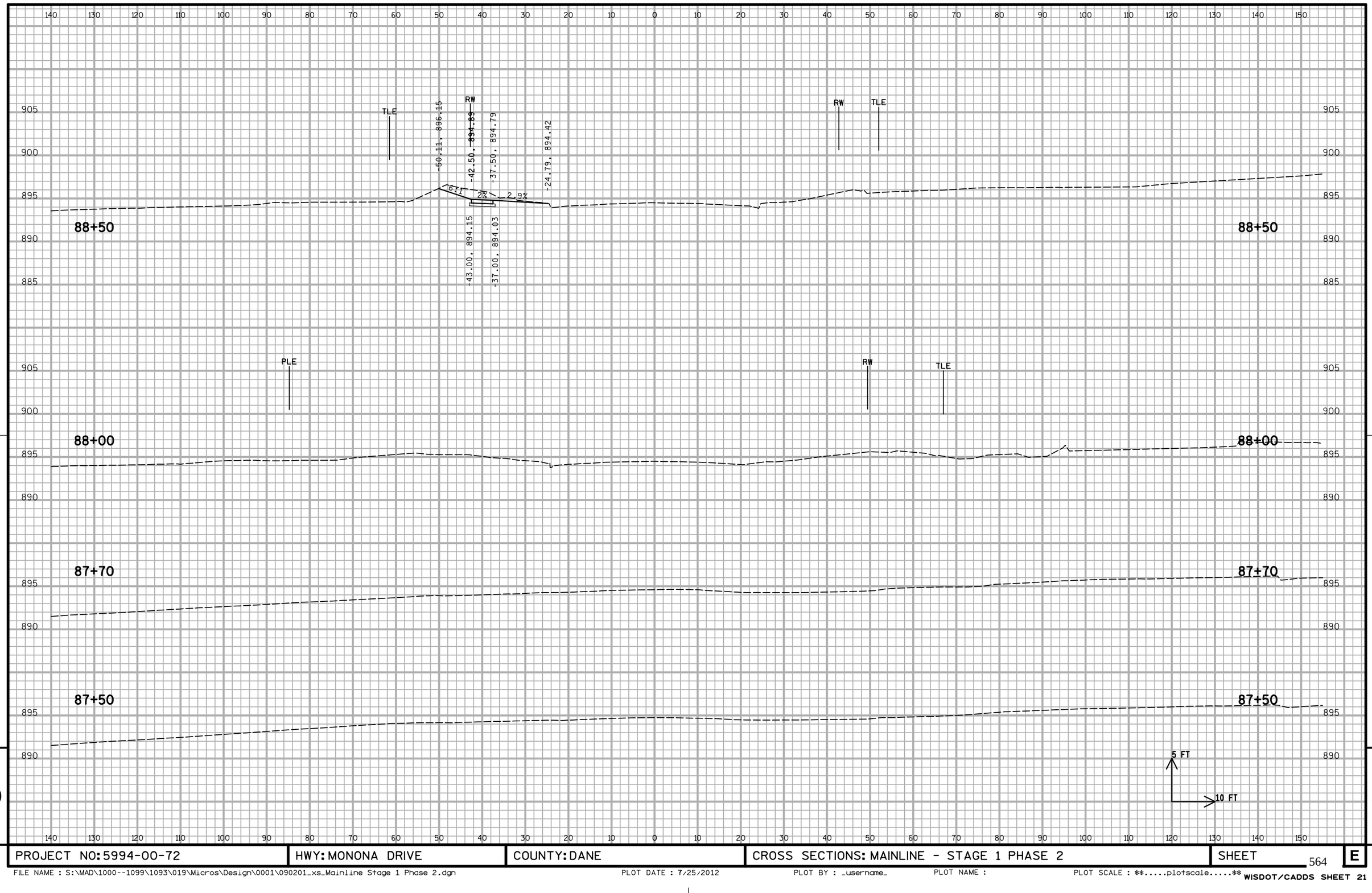
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 563	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



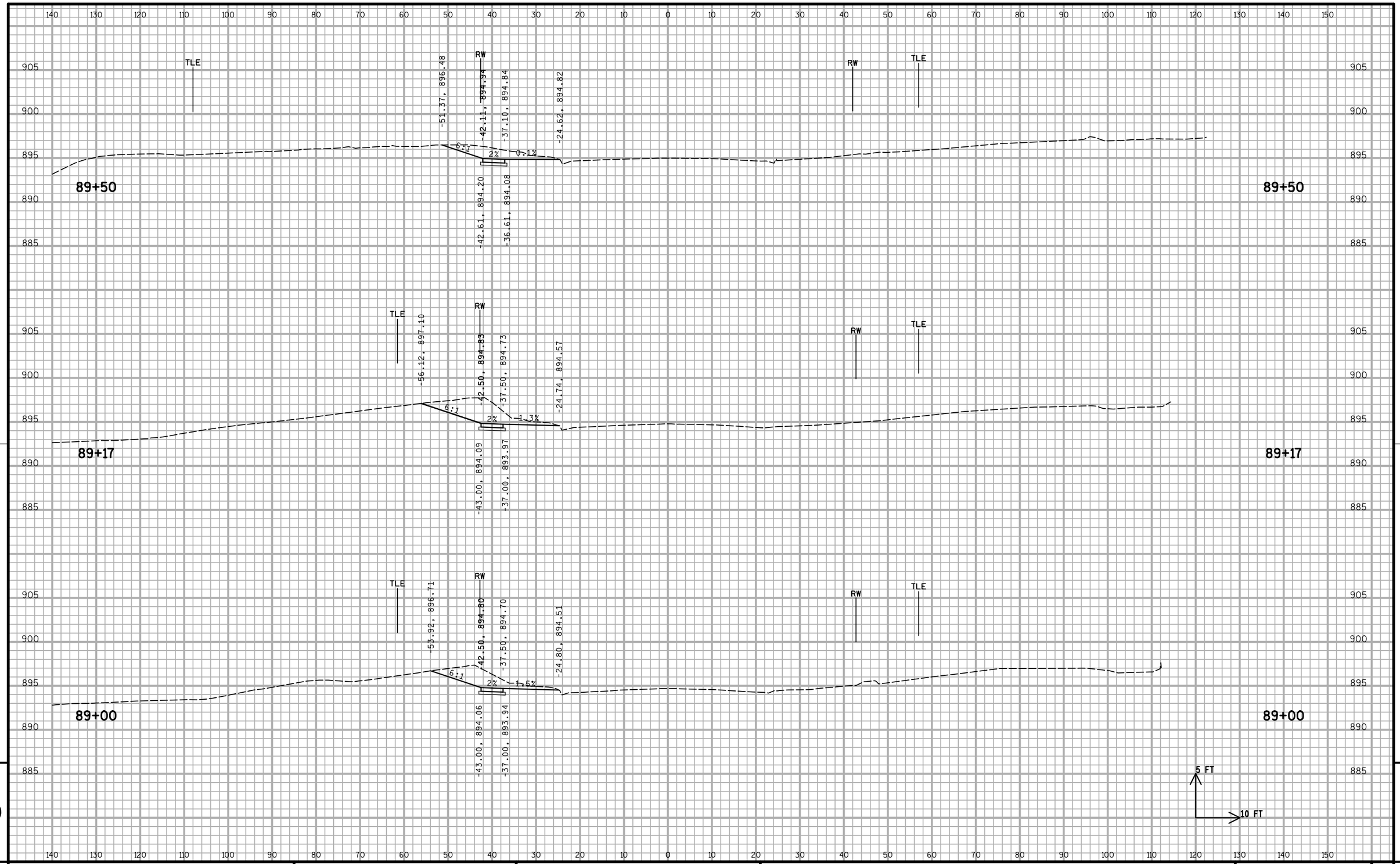
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 564	E

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WISDOT/CADDS SHEET 21



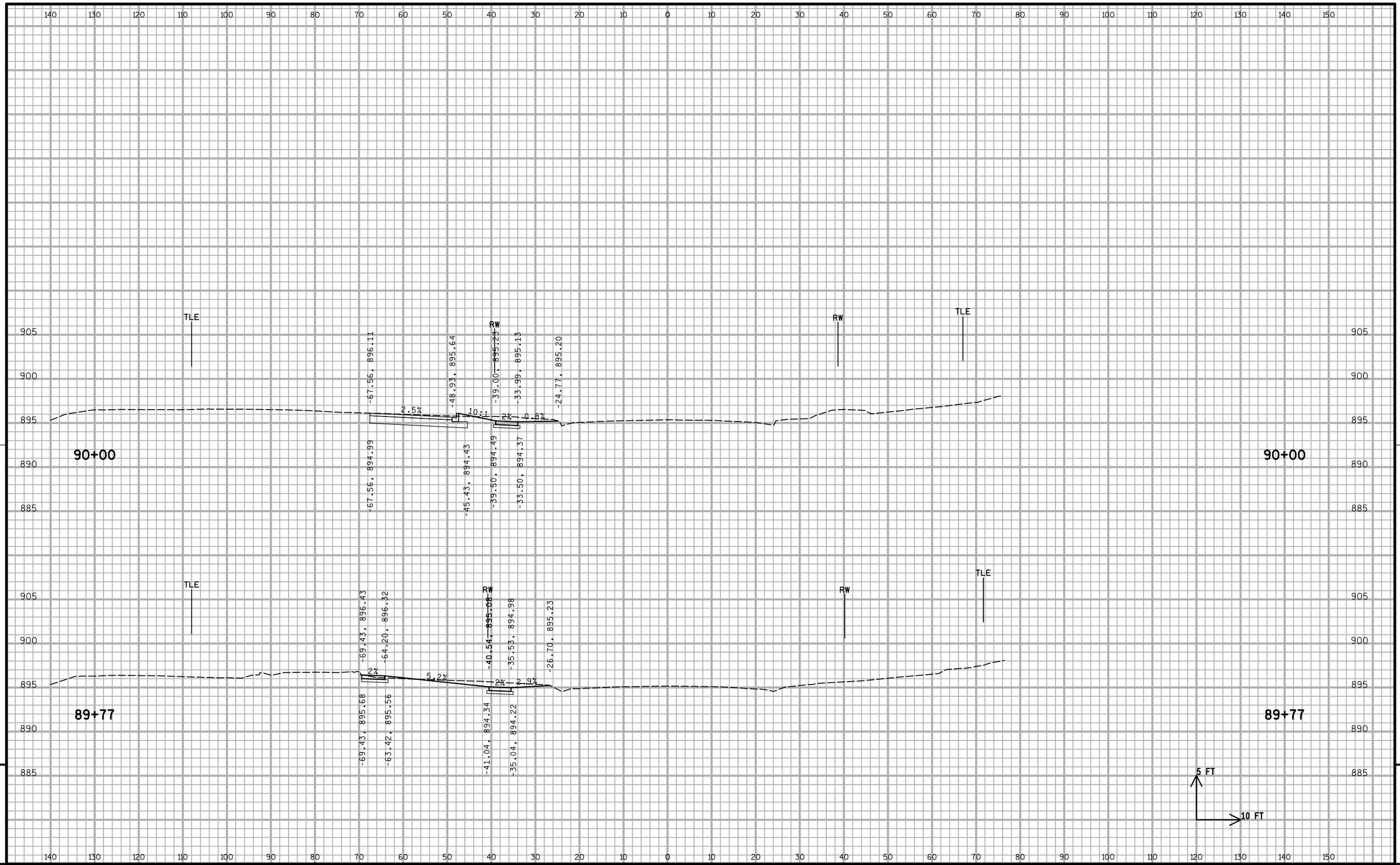
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 565	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

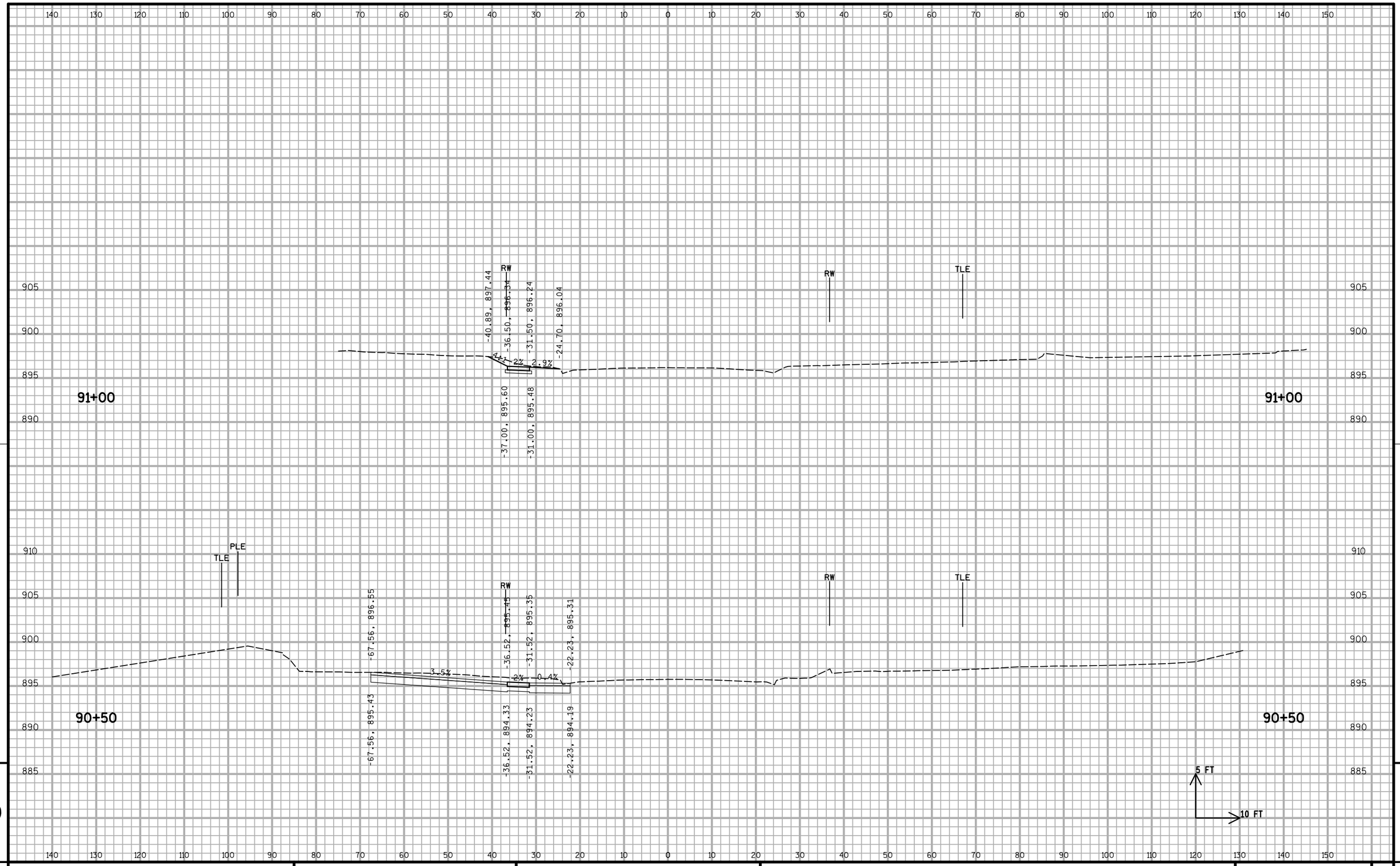


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 567	E

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

905
900
895
890

92+00

TLE
RW
RW
TLE

-76.14, 898.05
-36.50, 897.13
-31.50, 897.03
-26.98, 896.68
2.3%
2%
7.7%

91+50

-37.00, 896.39
-31.00, 896.27

-70.42, 898.11
-36.50, 896.64
-31.50, 896.54
-24.70, 896.27
4.4%
2%
4.0%

91+20

-37.00, 895.90
-31.00, 895.78

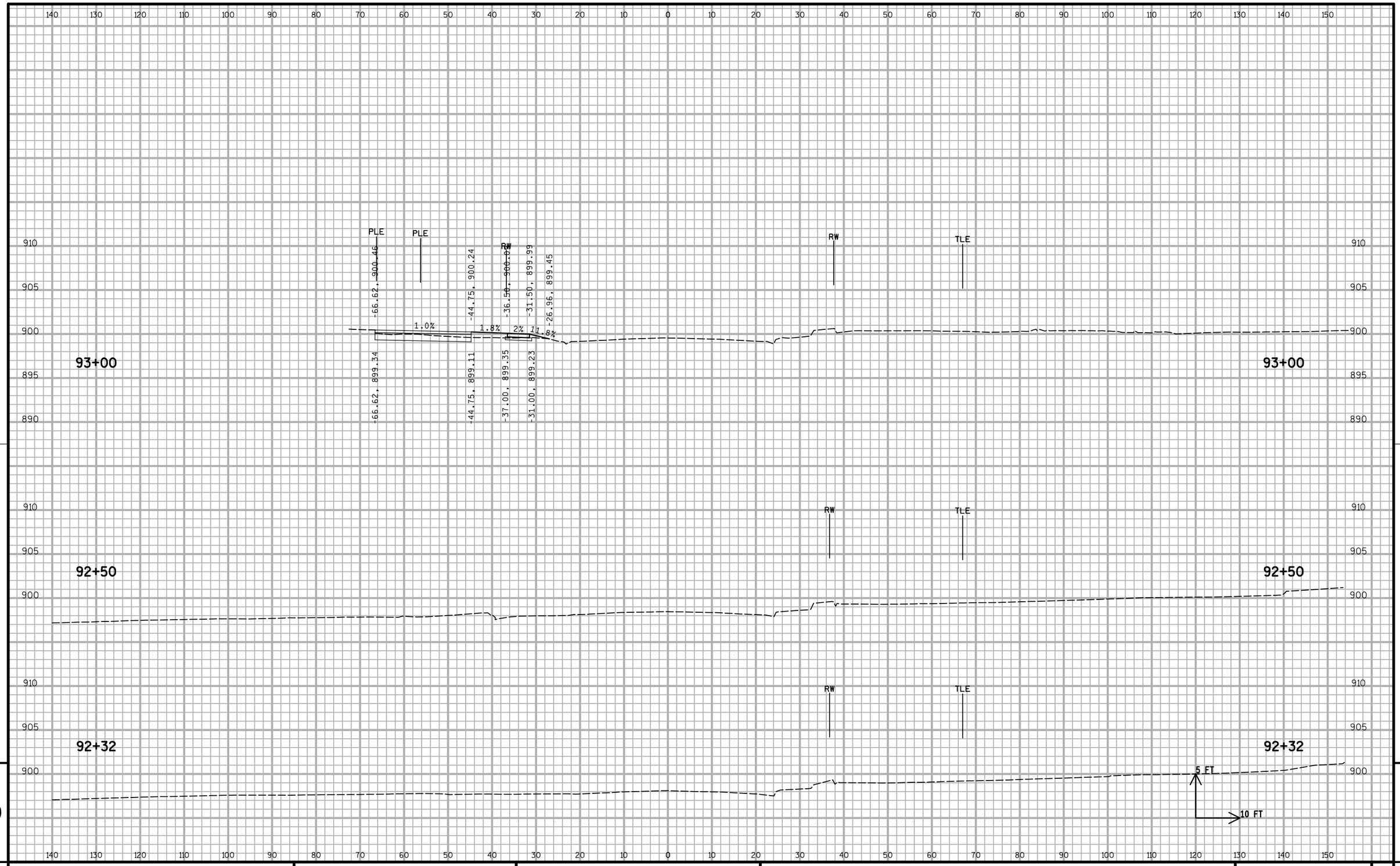
5 FT
10 FT

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

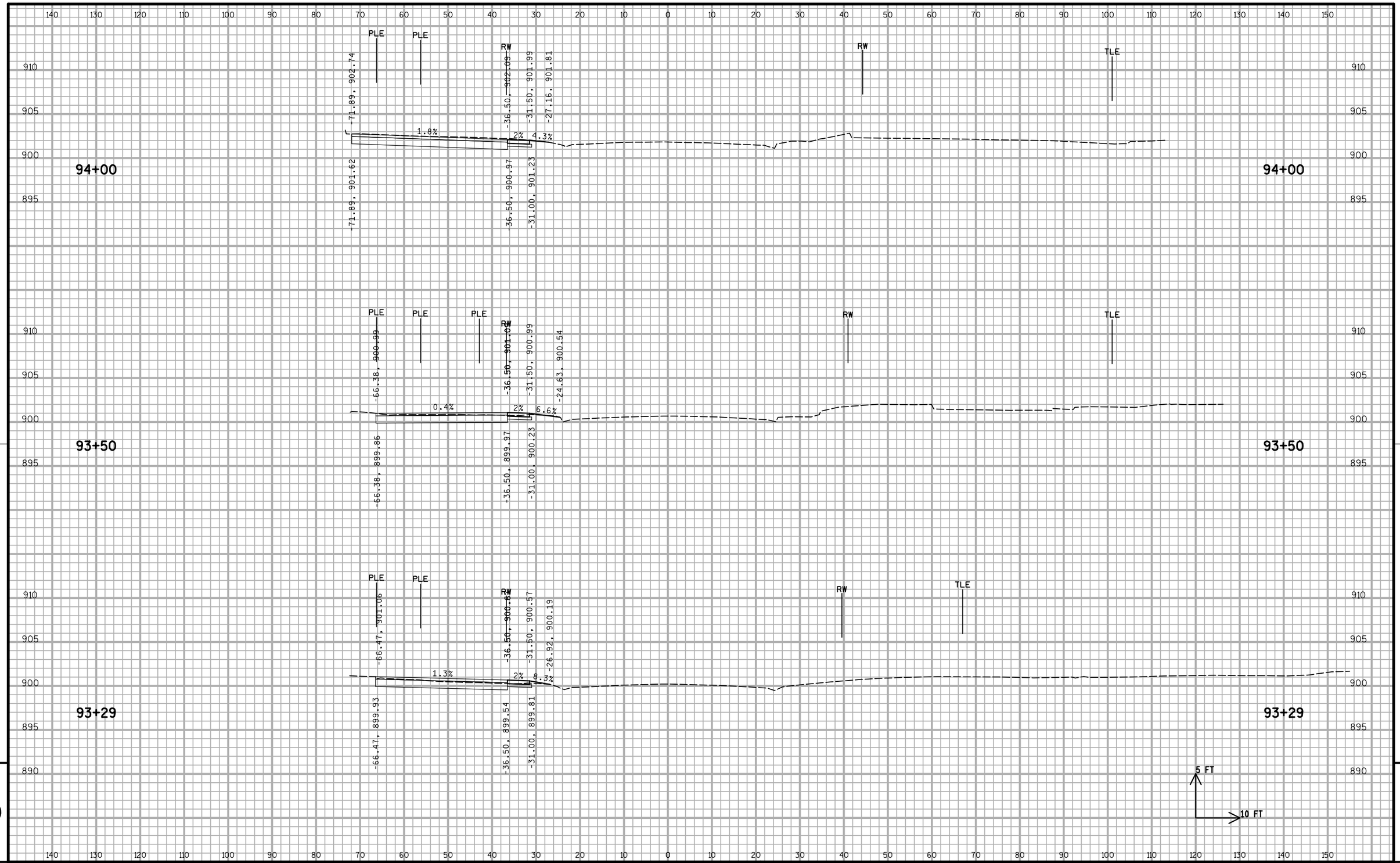
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

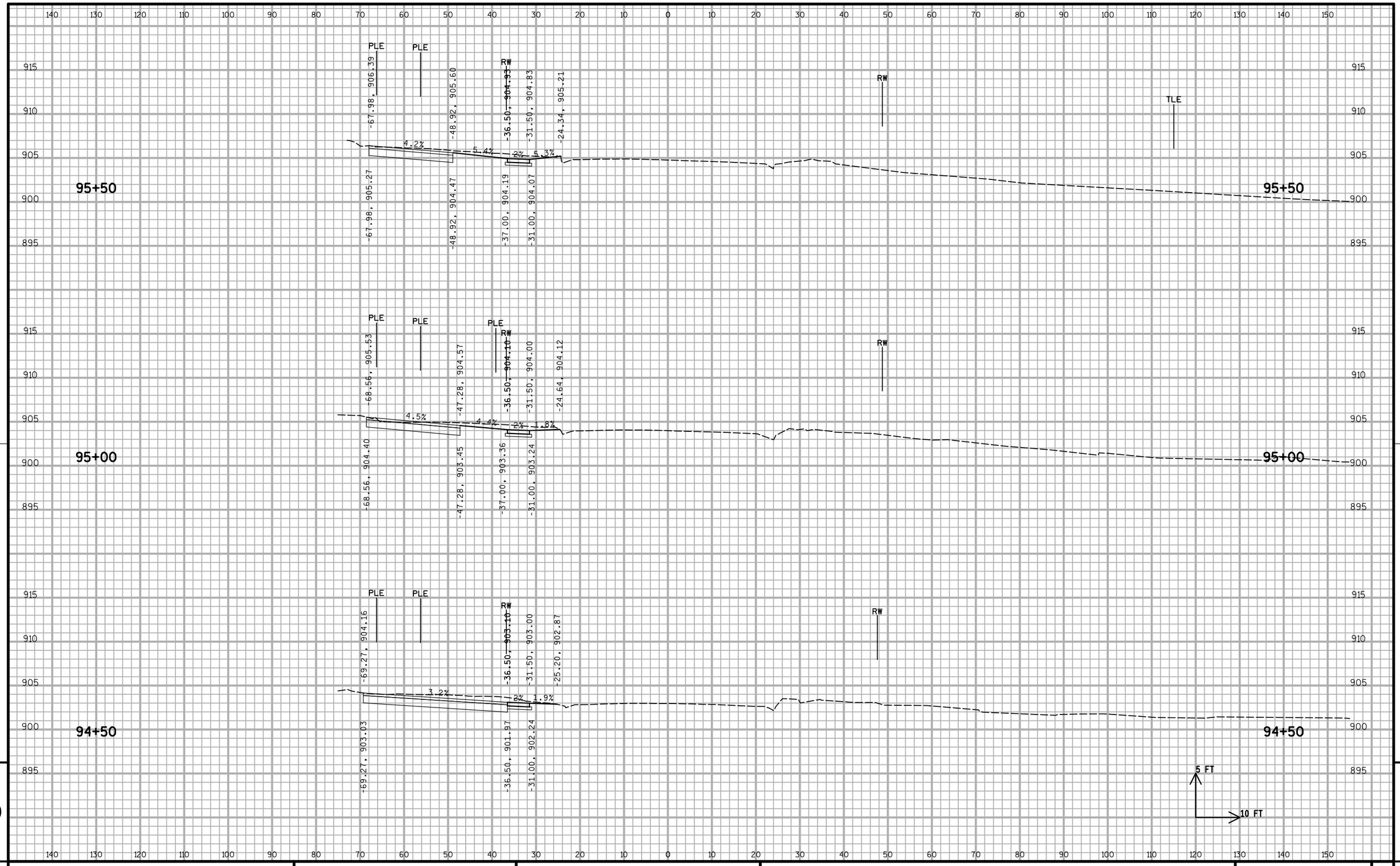
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 570	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

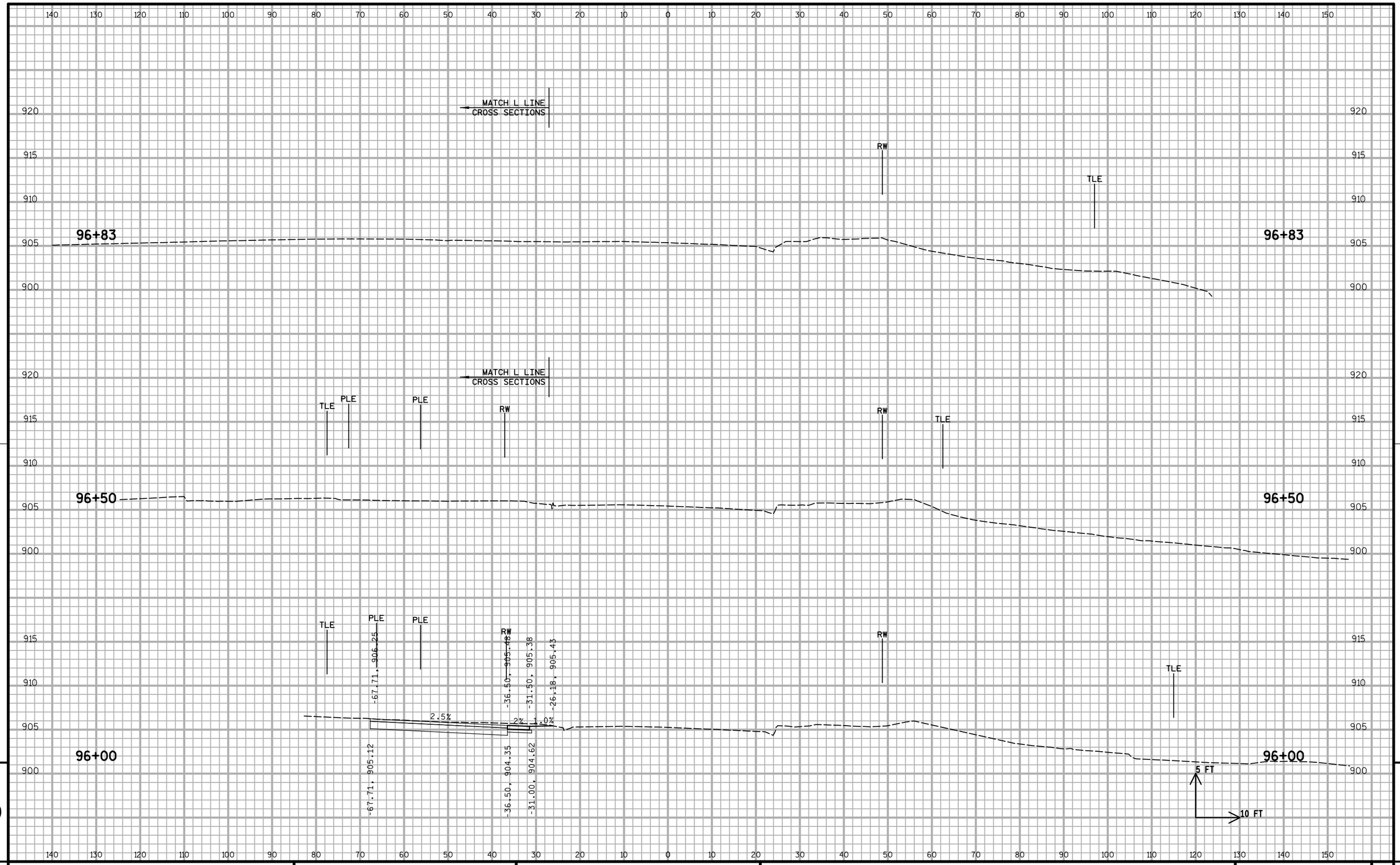


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 571	E

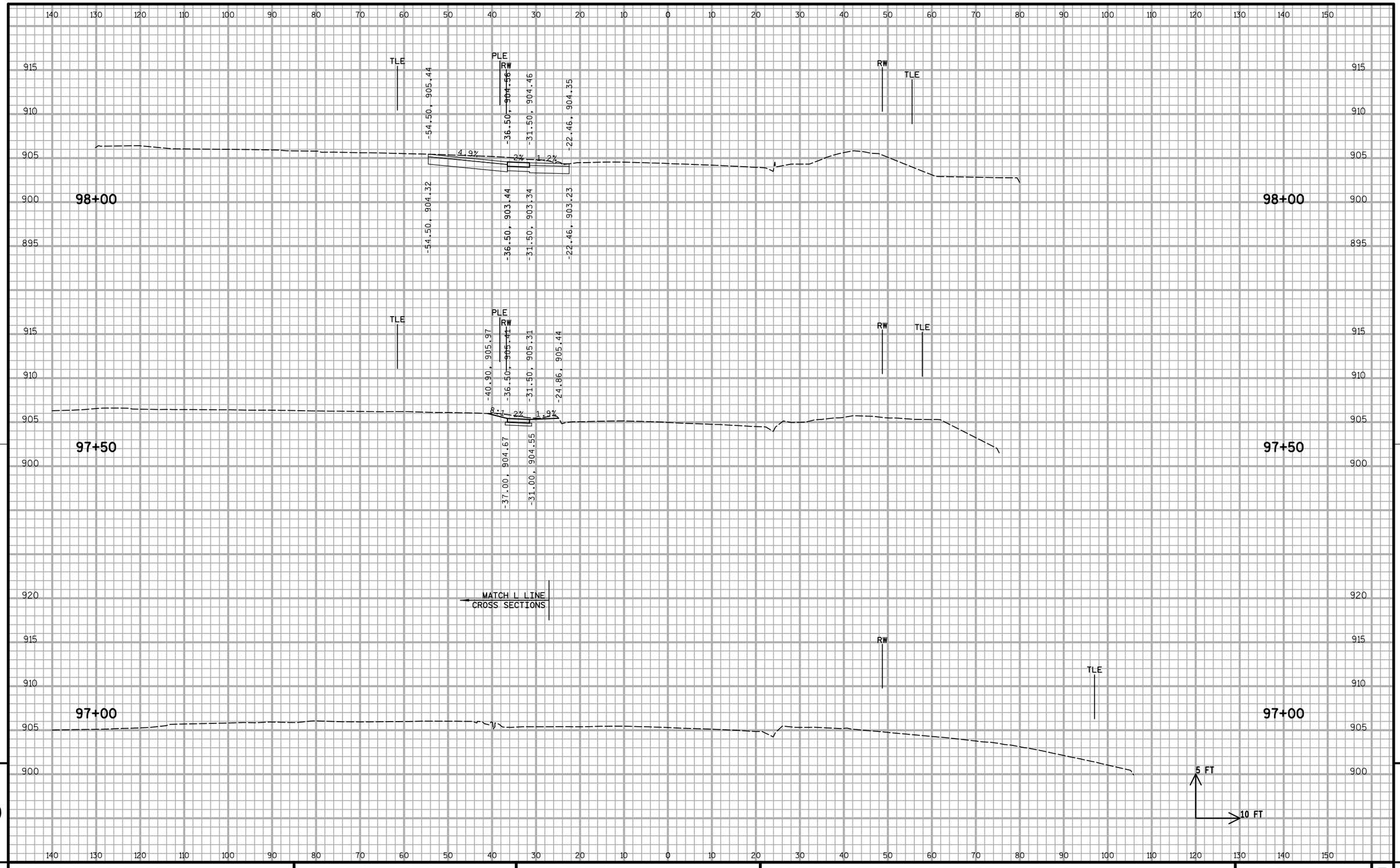
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 572	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



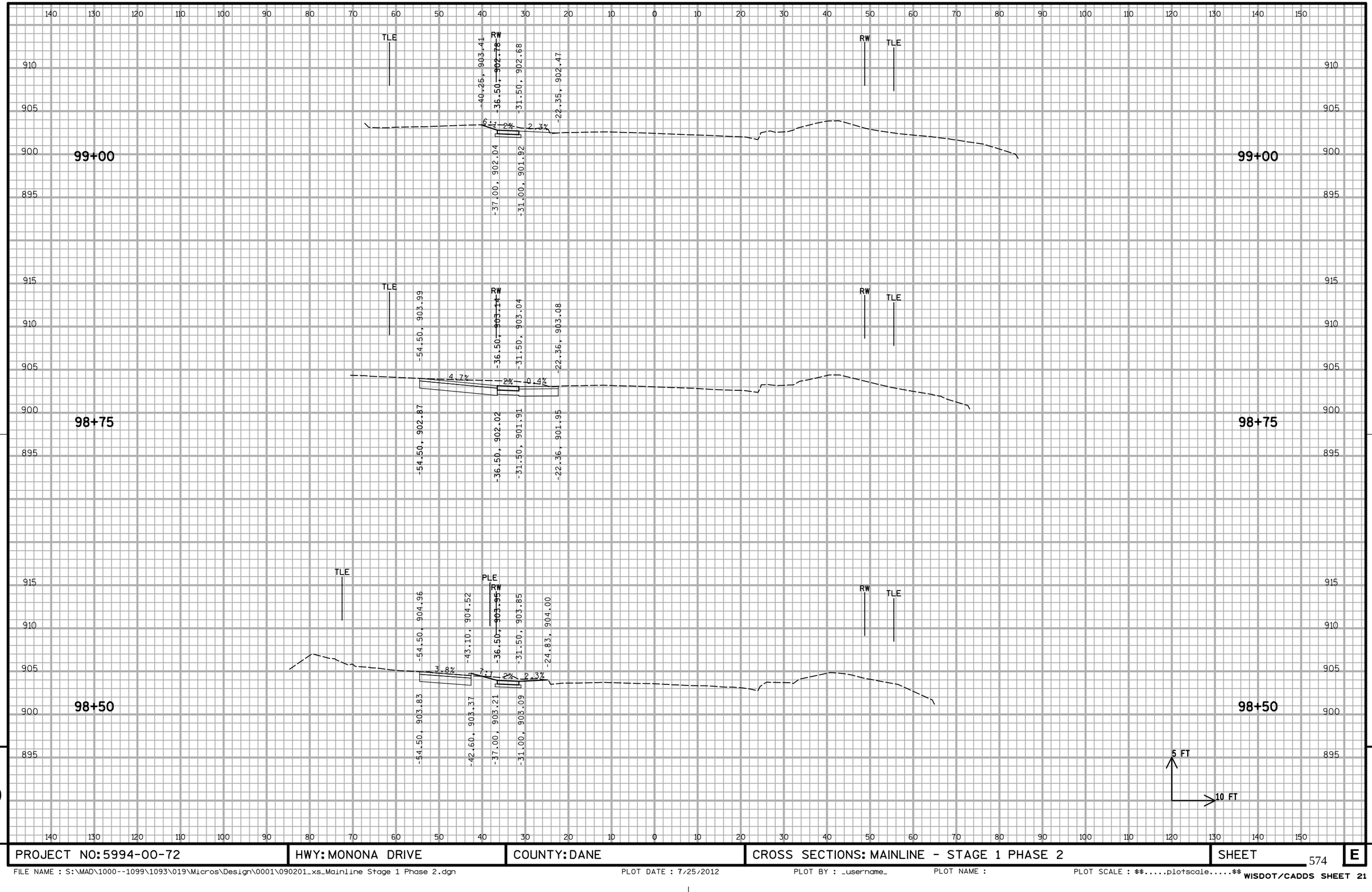
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 573	E

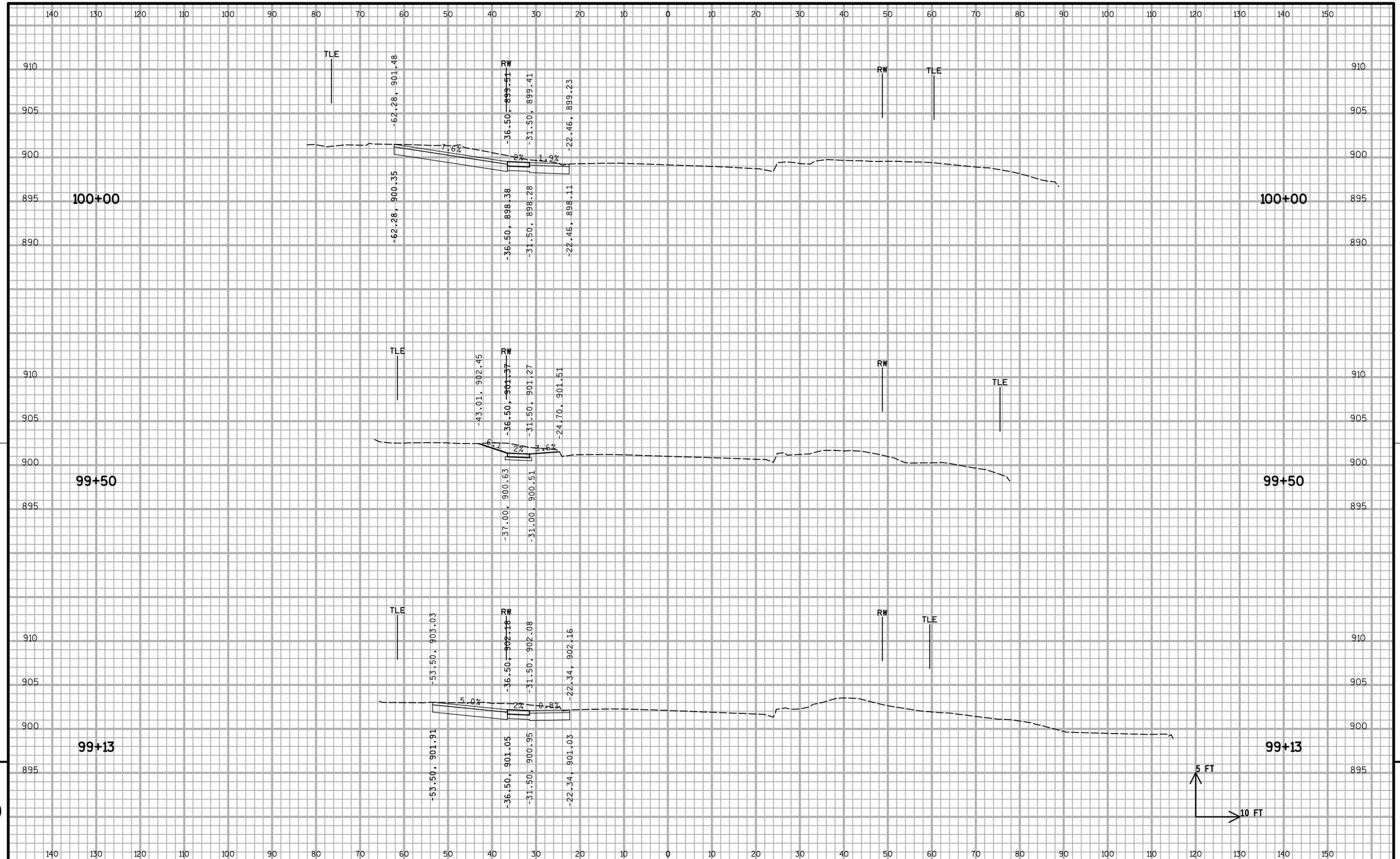
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 574	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 575	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

910
905
900
895
890

MATCH CW LINE
CROSS SECTIONS

101+00

MATCH CW LINE
CROSS SECTIONS

101+00

100+84

100+84

TLE

TLE

RW

-44.25, 899.94

-36.50, 897.85

-31.50, 897.75

-25.53, 897.34

-37.00, 897.11

-31.00, 896.99

2%

6.9%

100+50

100+50

5 FT

10 FT

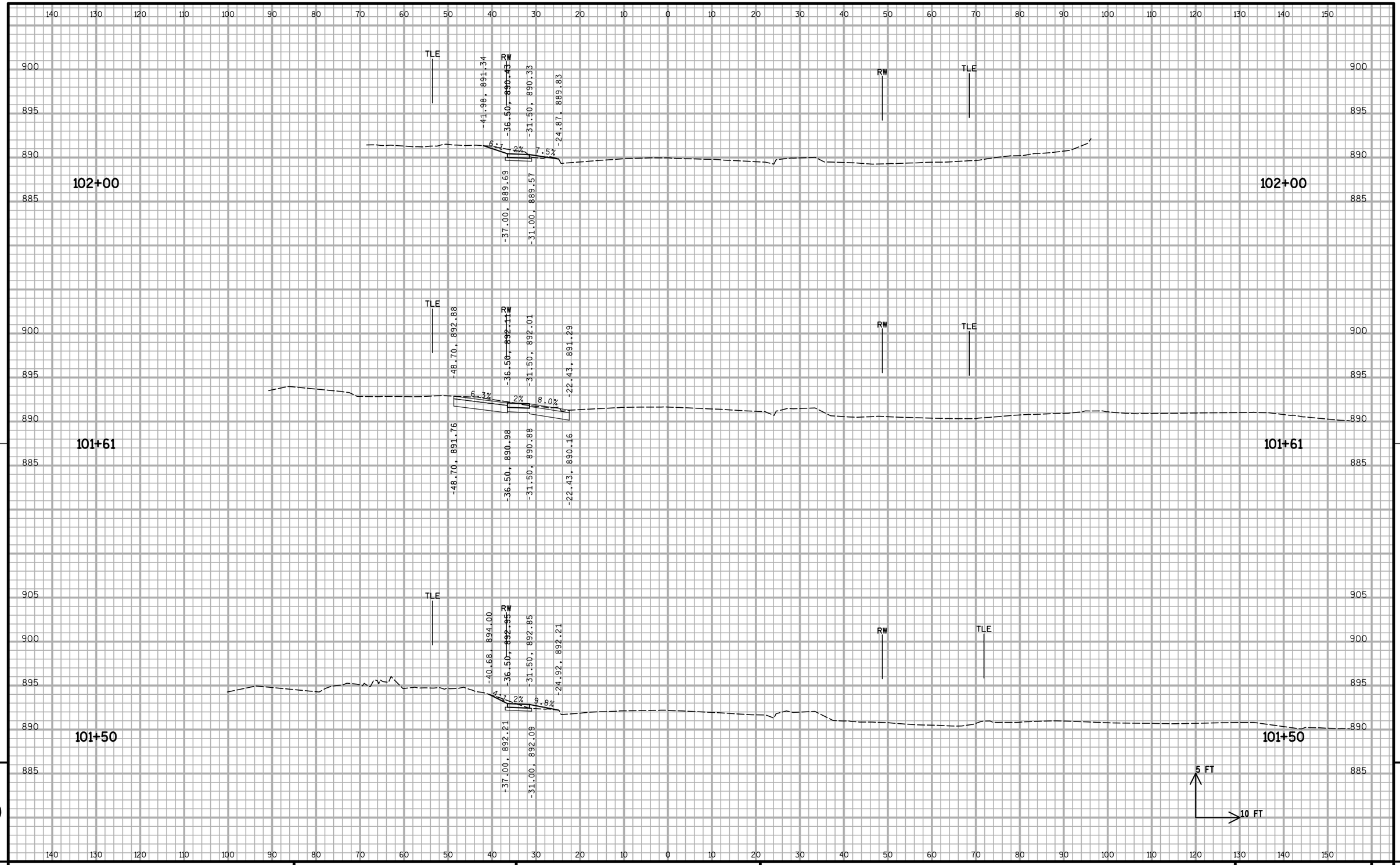
9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 576	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

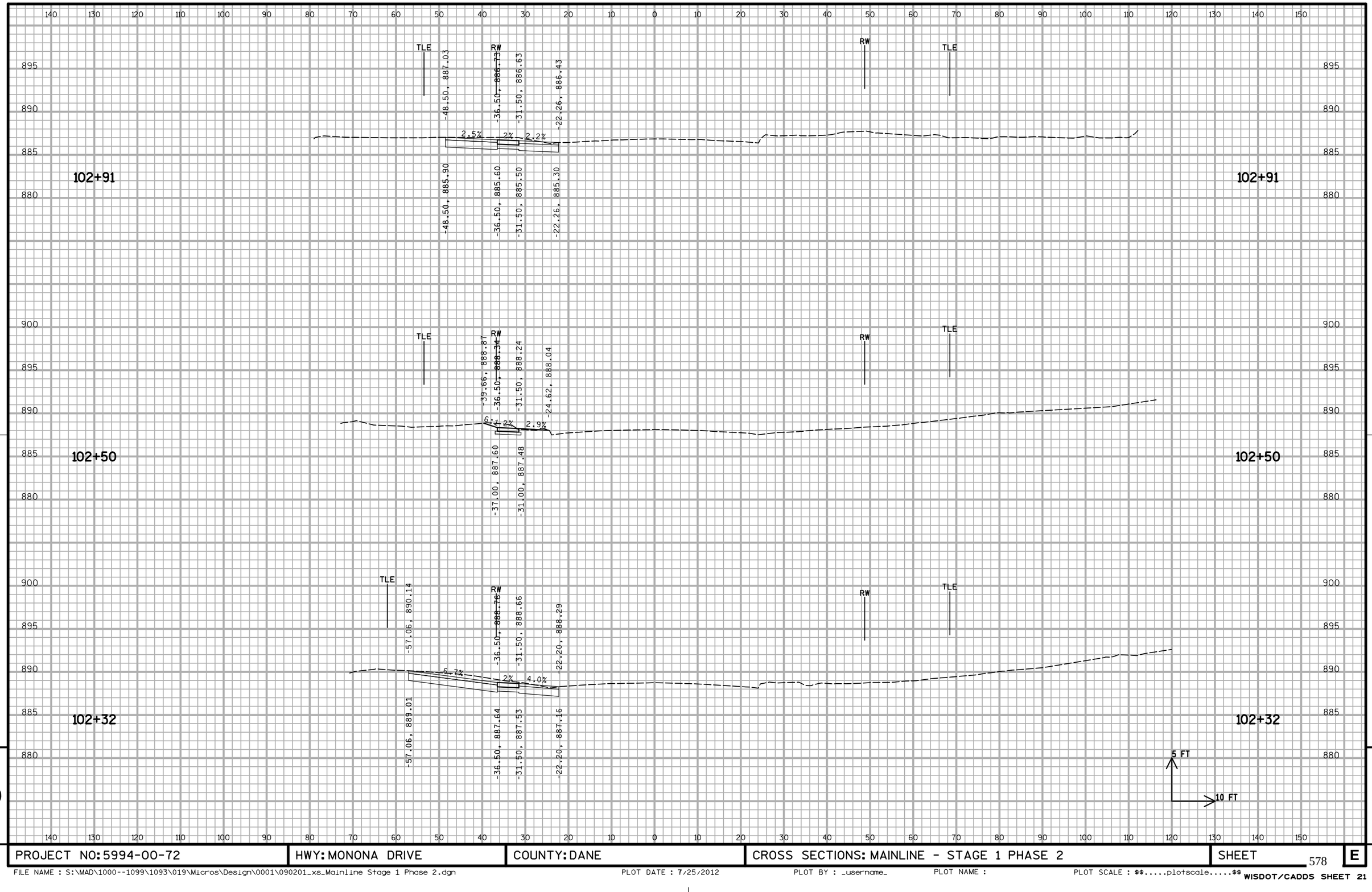
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 577	E

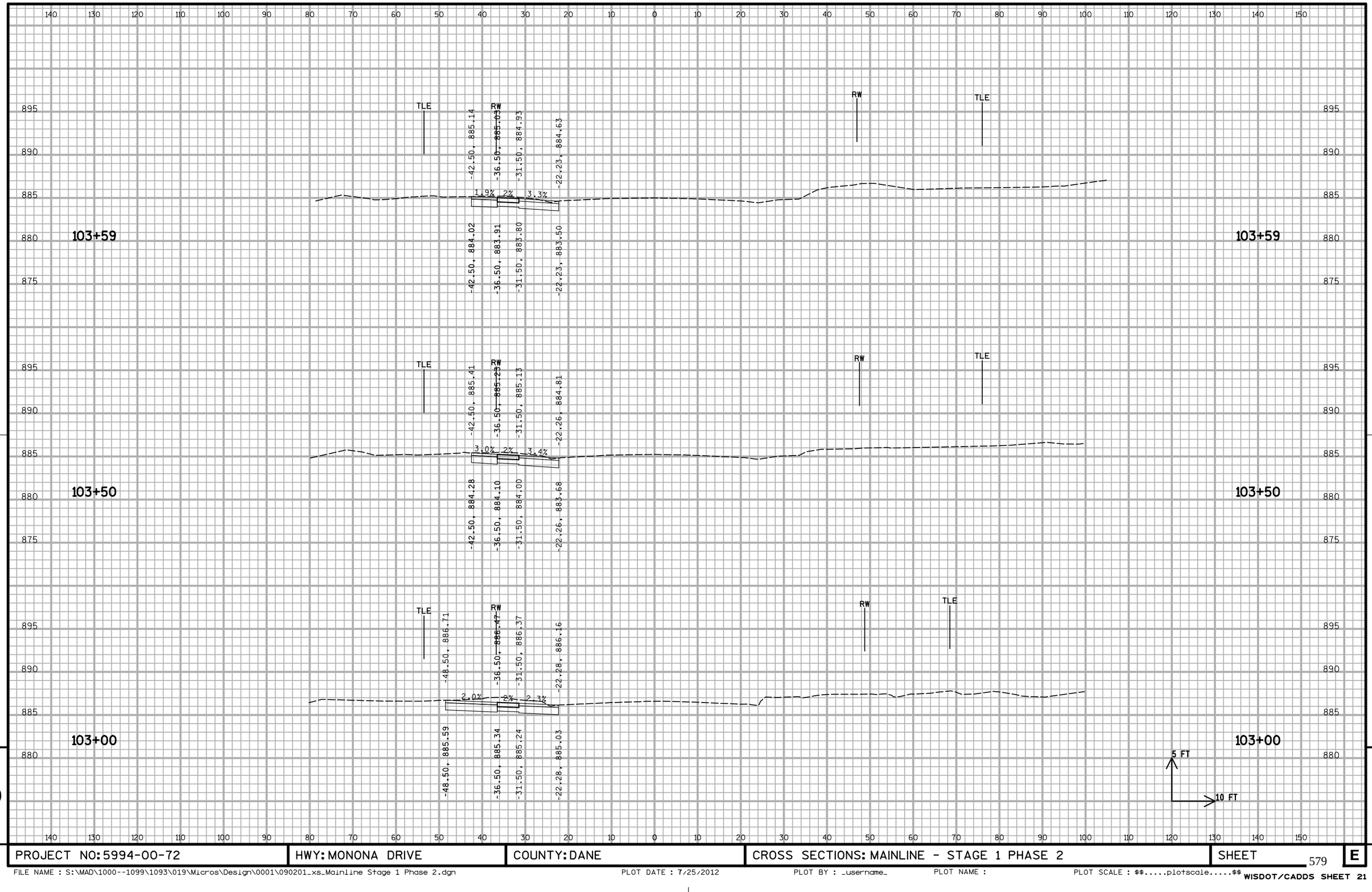
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 578	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

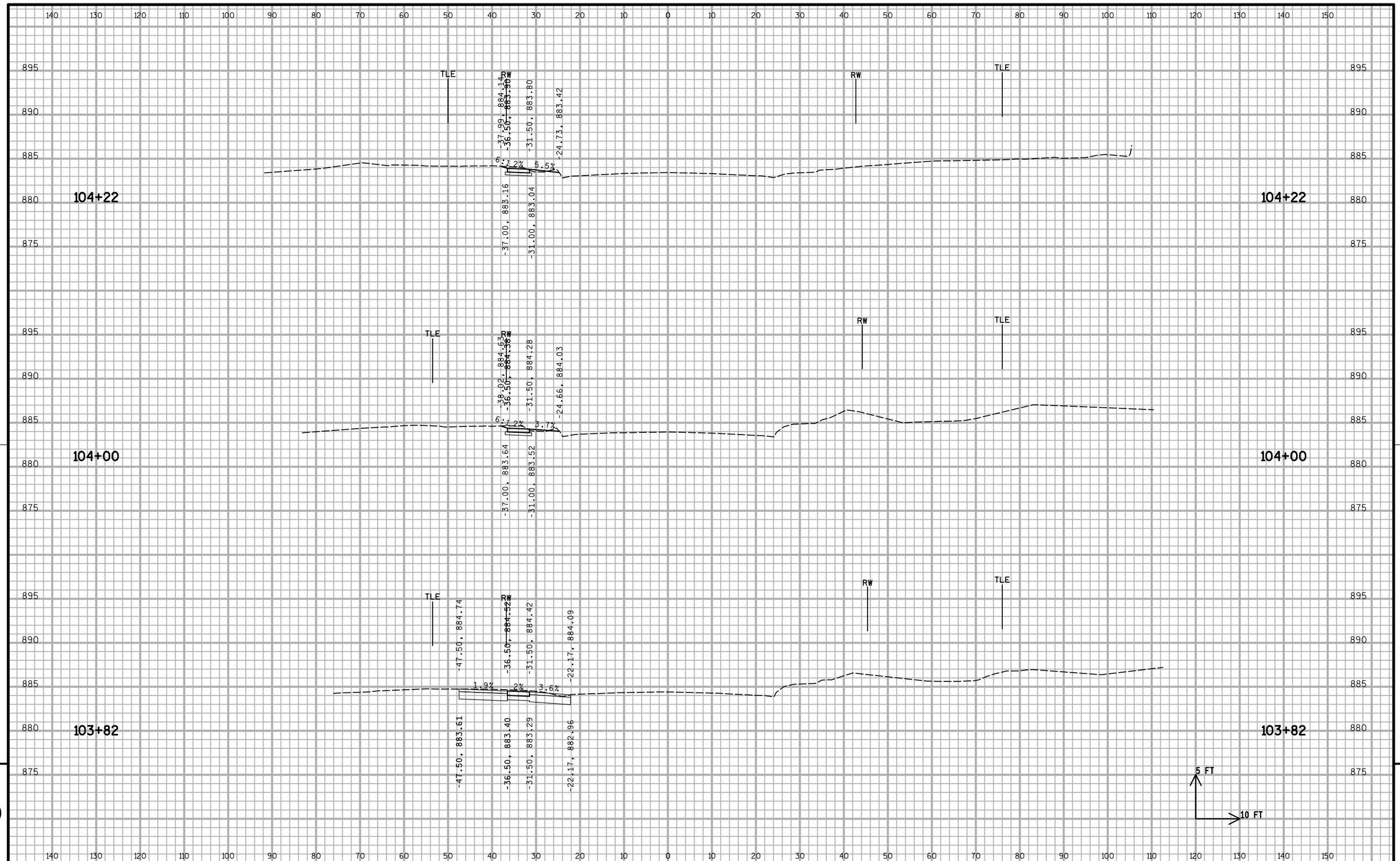


9

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 579	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

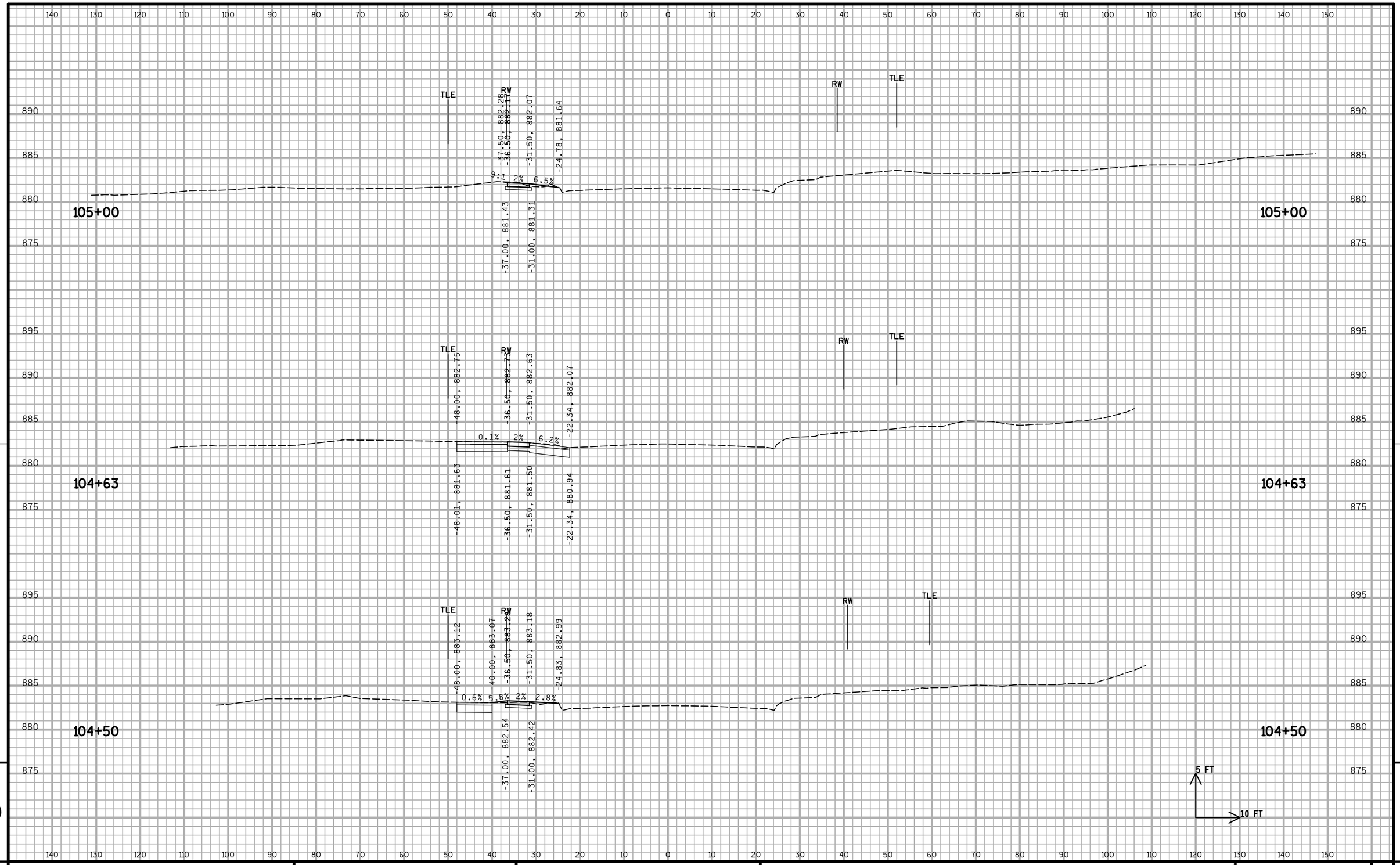


9

9

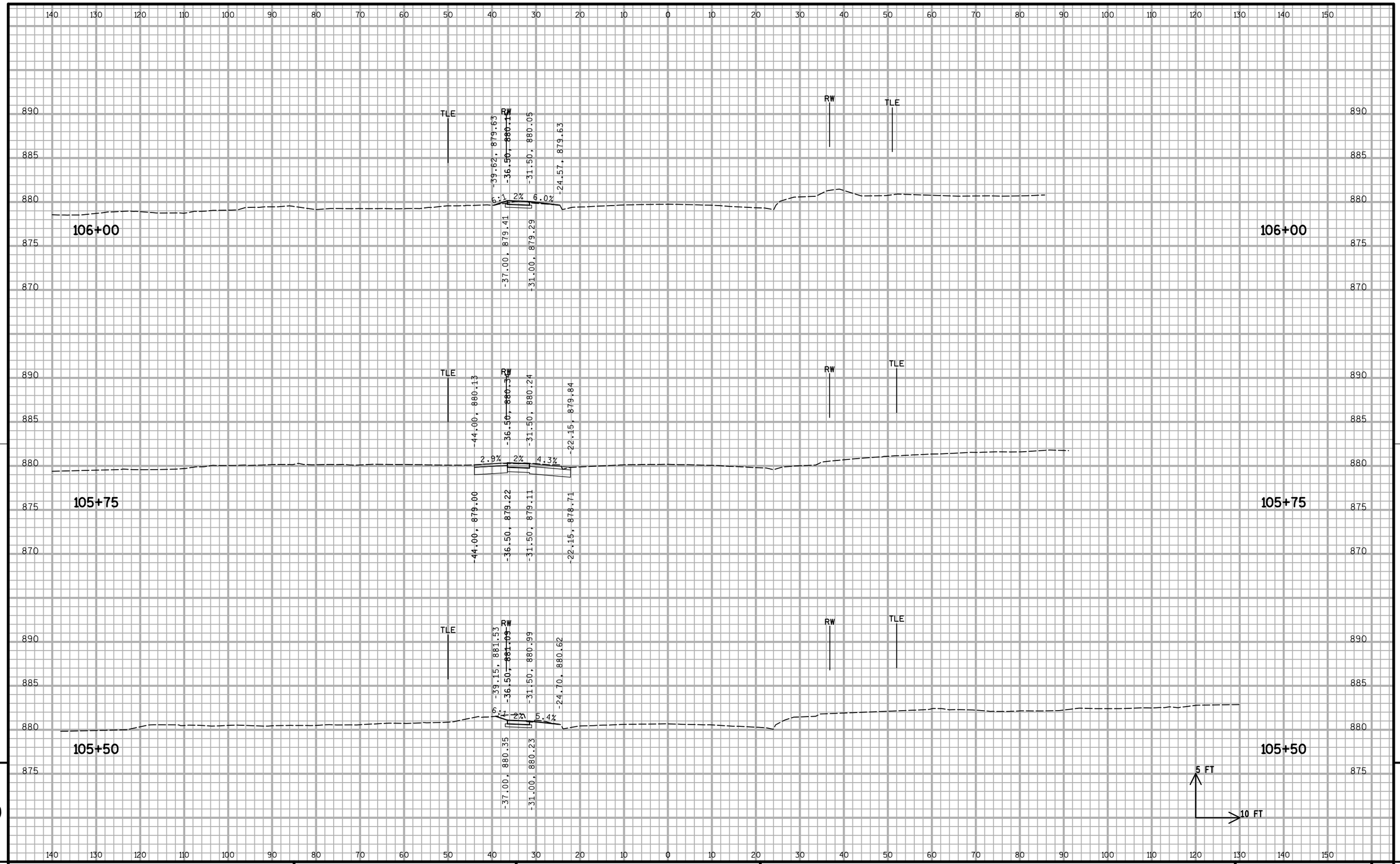
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 580	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

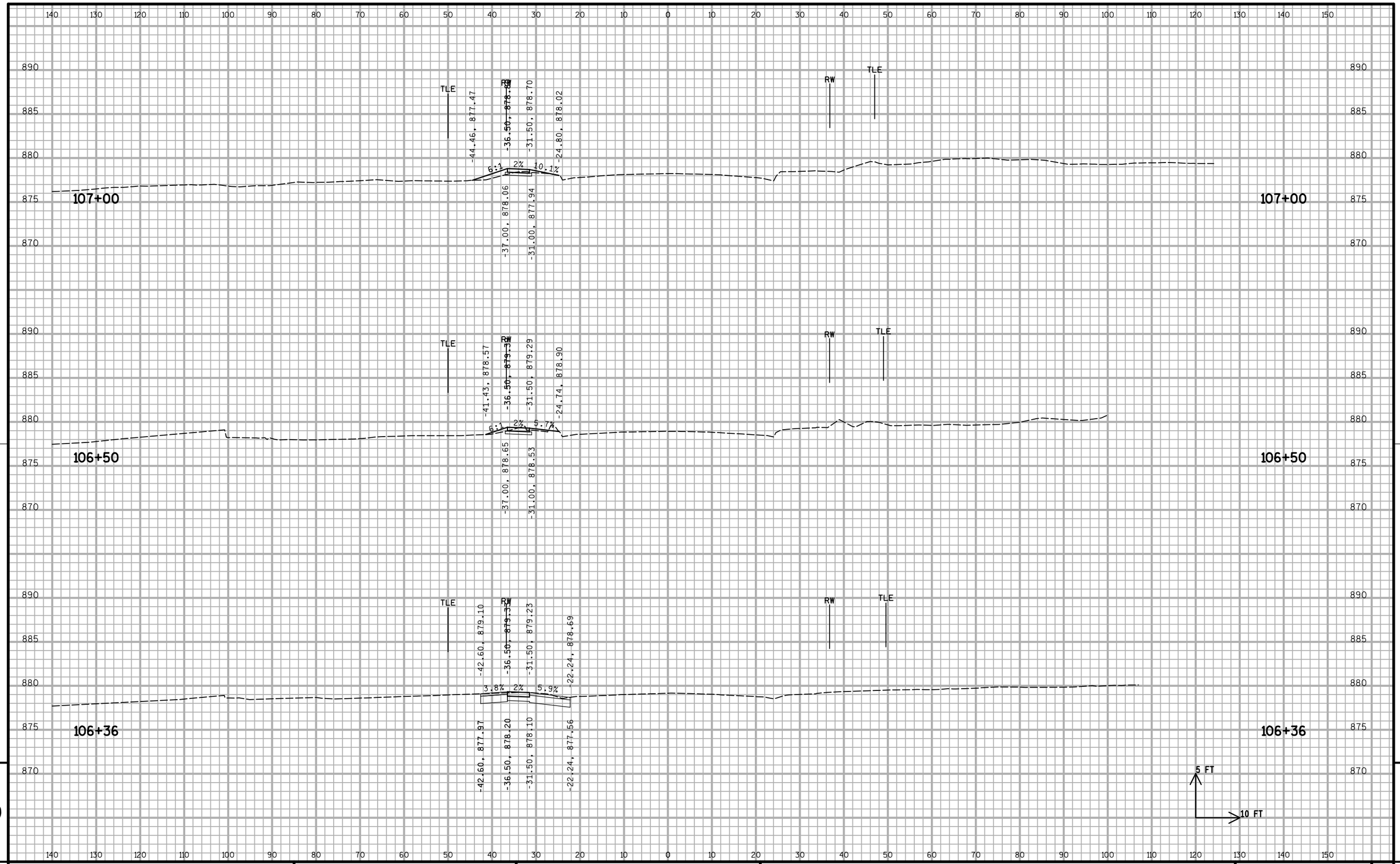
9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

582

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



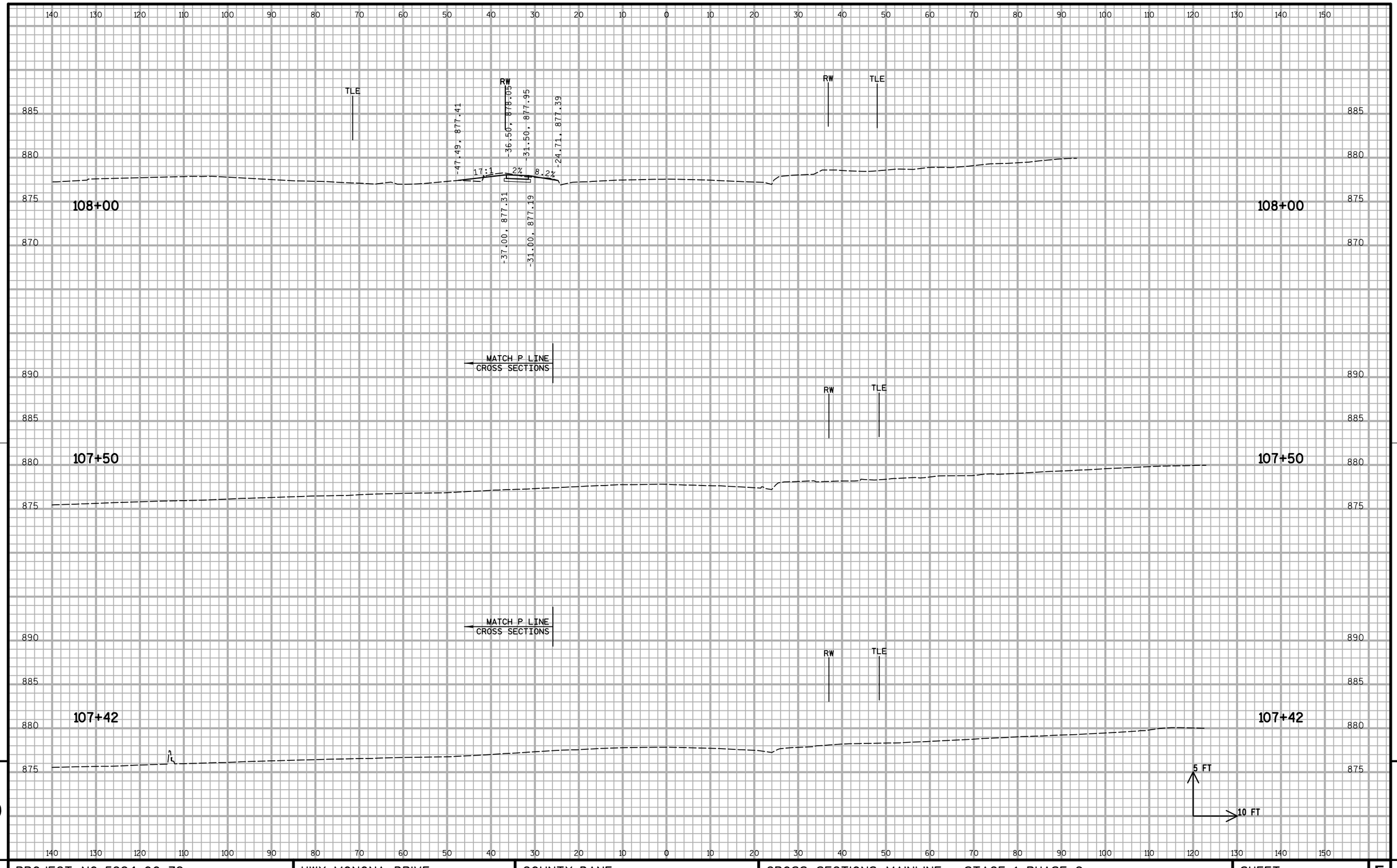
9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 583	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

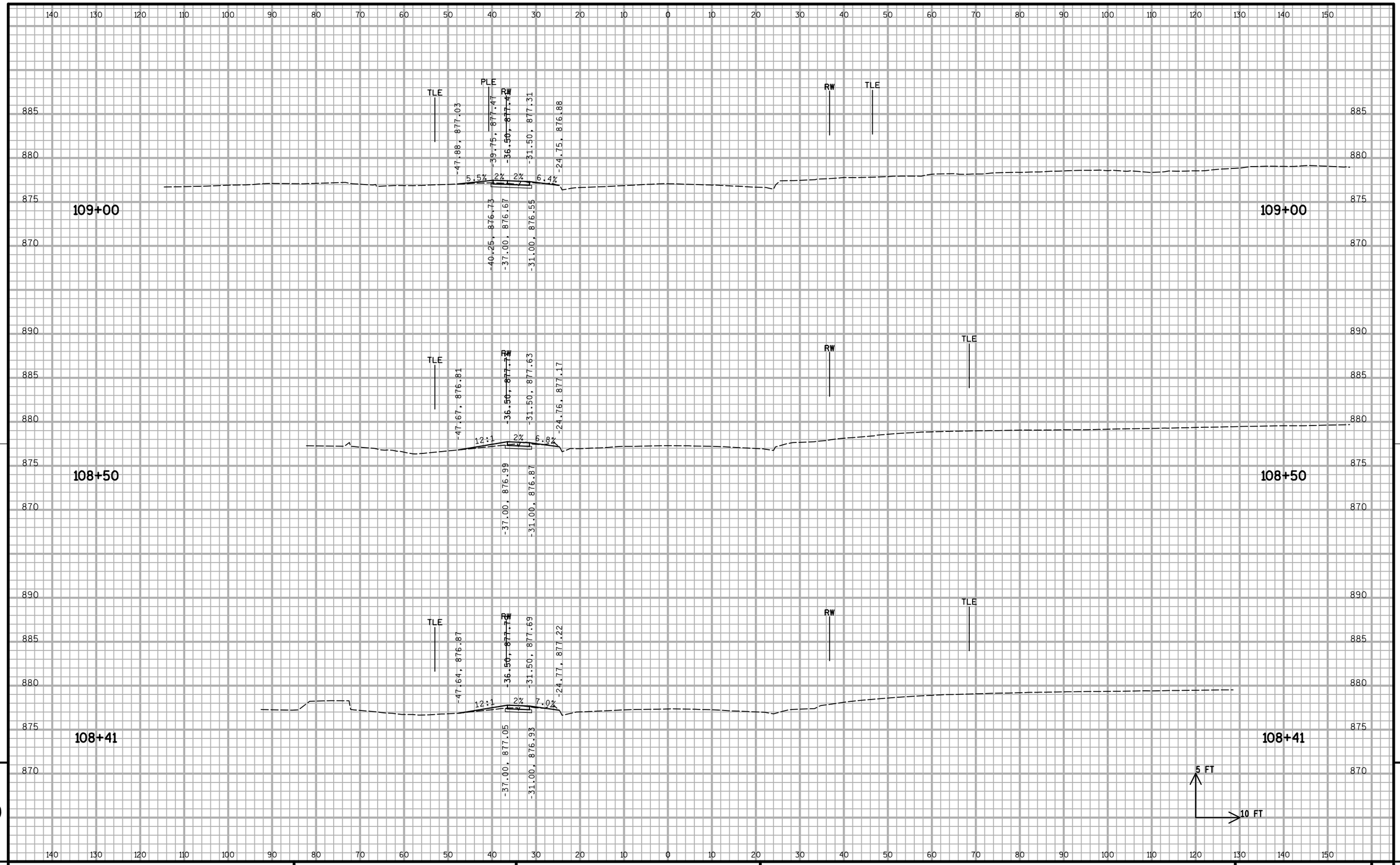


9

9

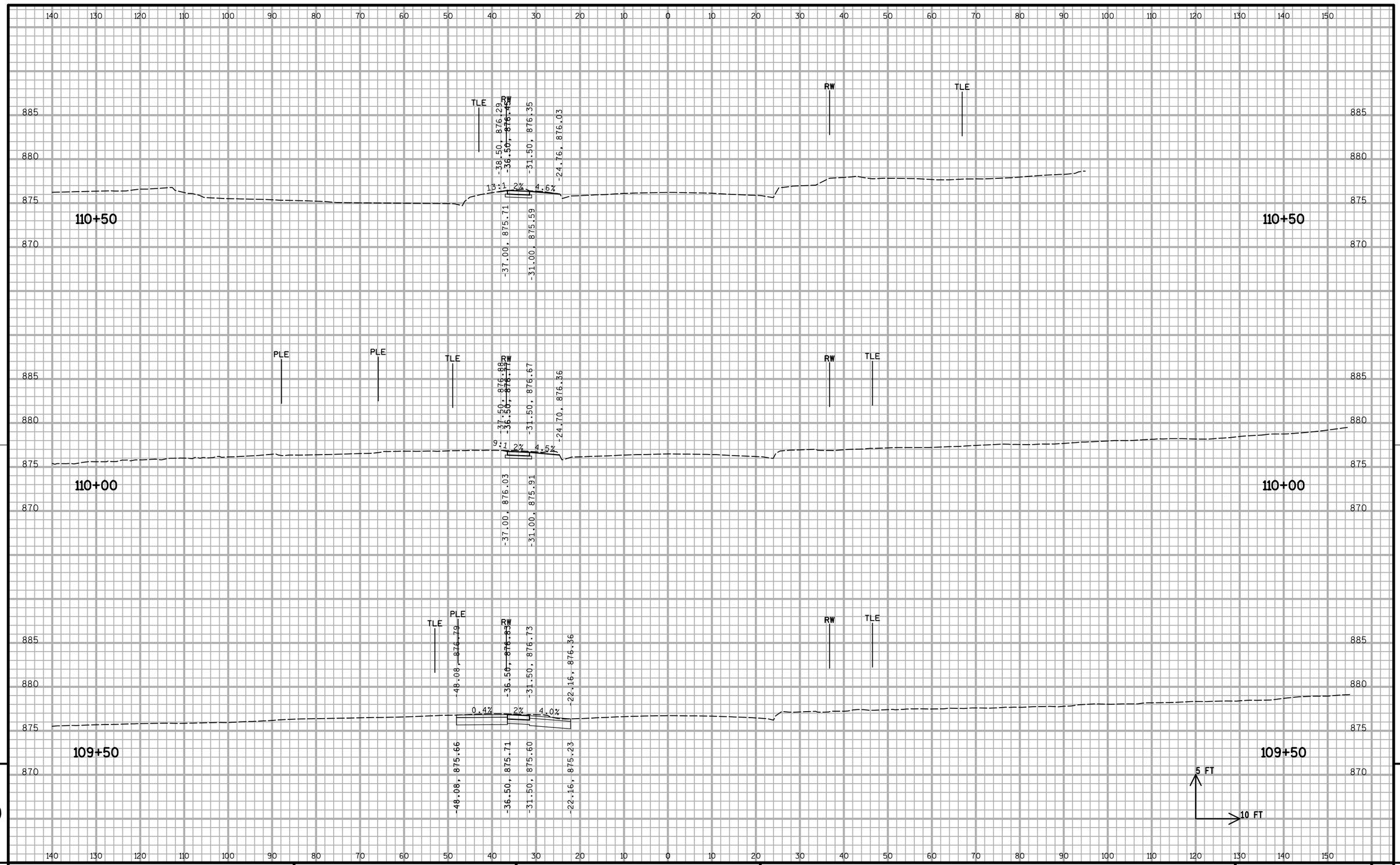
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 584	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 586	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

885
880
875
870

TLE RW -38.50, 875.86 -36.50, 875.85 -31.50, 875.75 -27.62, 875.75
RW
TLE
0.3% 2% 0.1%
-37.00, 875.11
-31.00, 874.99
111+18
111+18

TLE RW -38.50, 875.76 -36.50, 876.04 -31.50, 875.94 -25.37, 875.89
RW
TLE
7:1 2% 0.8%
-37.00, 875.30
-31.00, 875.18
111+00
111+00

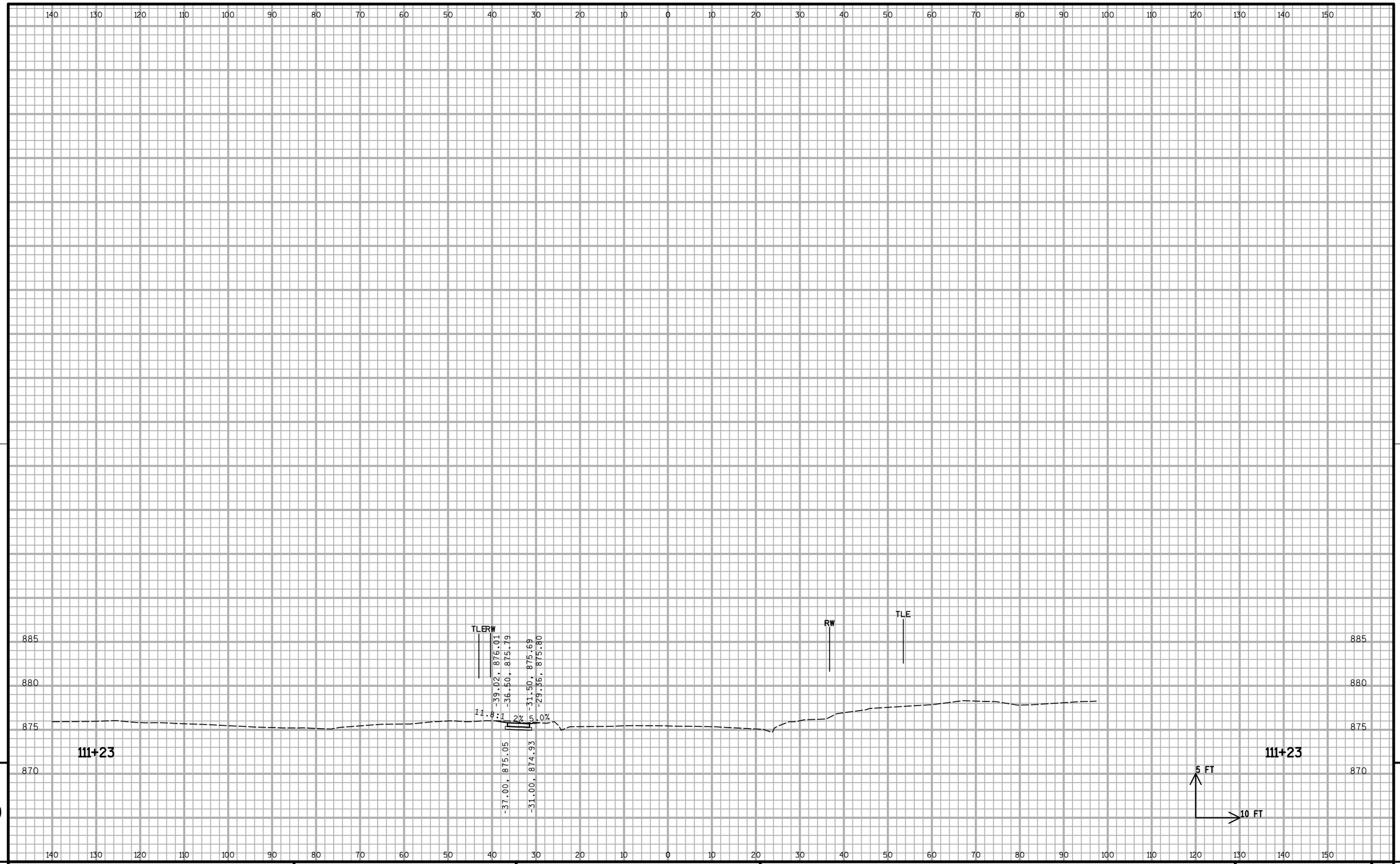
TLE RW -38.50, 876.49 -36.50, 876.23 -31.50, 876.13 -24.93, 875.63
RW
TLE
8:1 2% 7.7%
-37.00, 875.49
-31.00, 875.37
110+79
110+79

5 FT
10 FT

9 9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 587	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



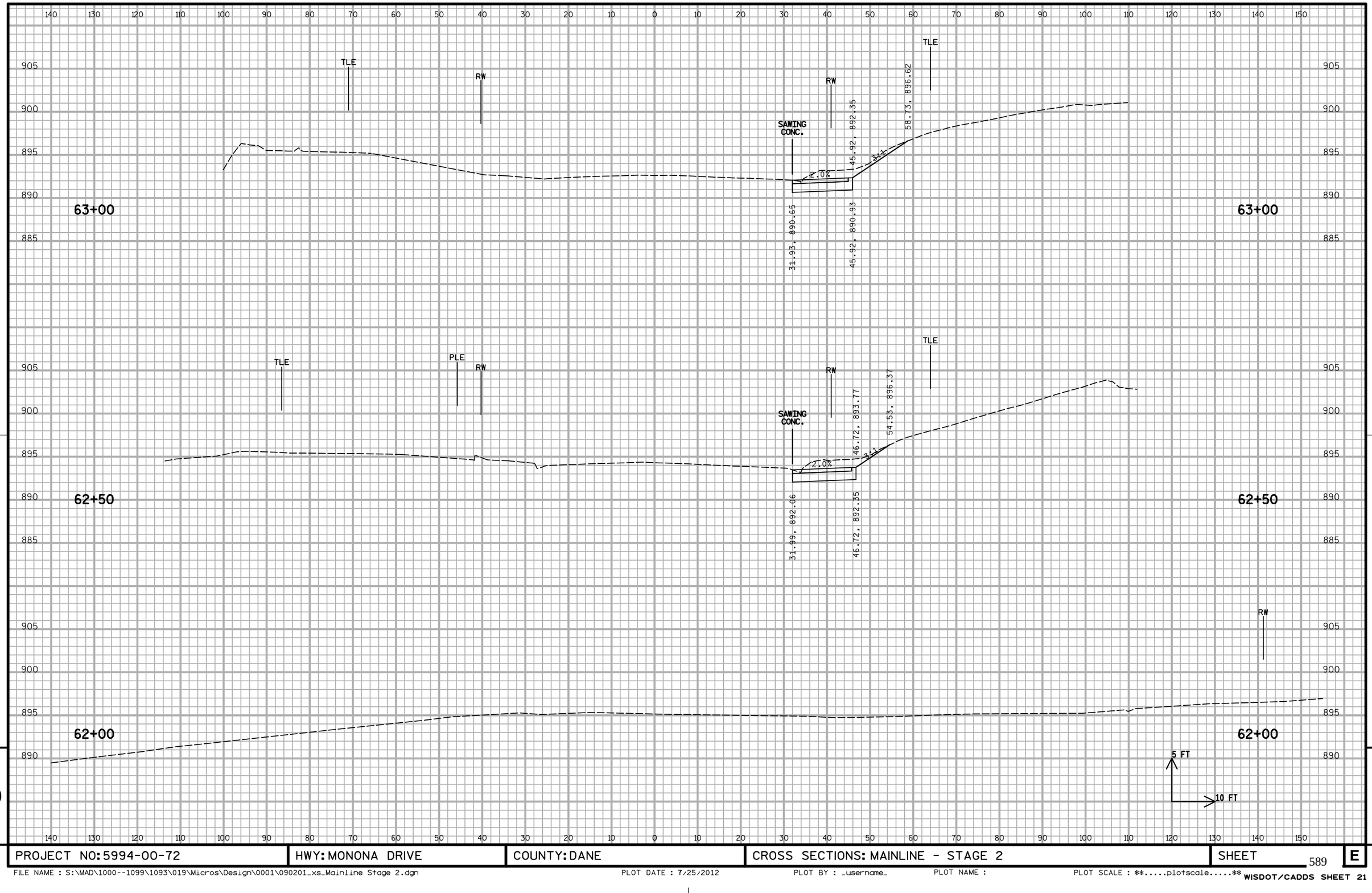
9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 1 PHASE 2	SHEET 588	E

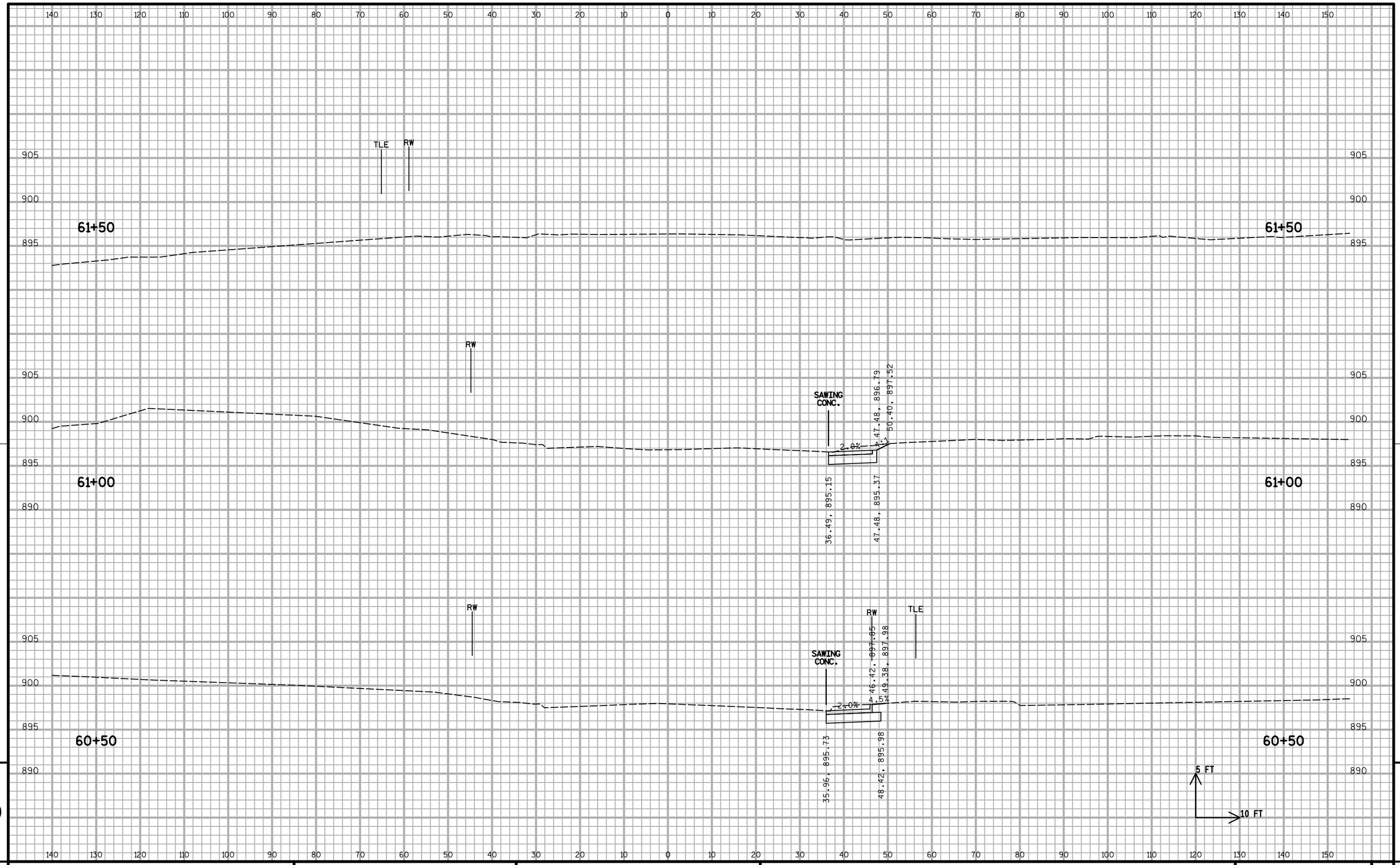
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 1 Phase 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

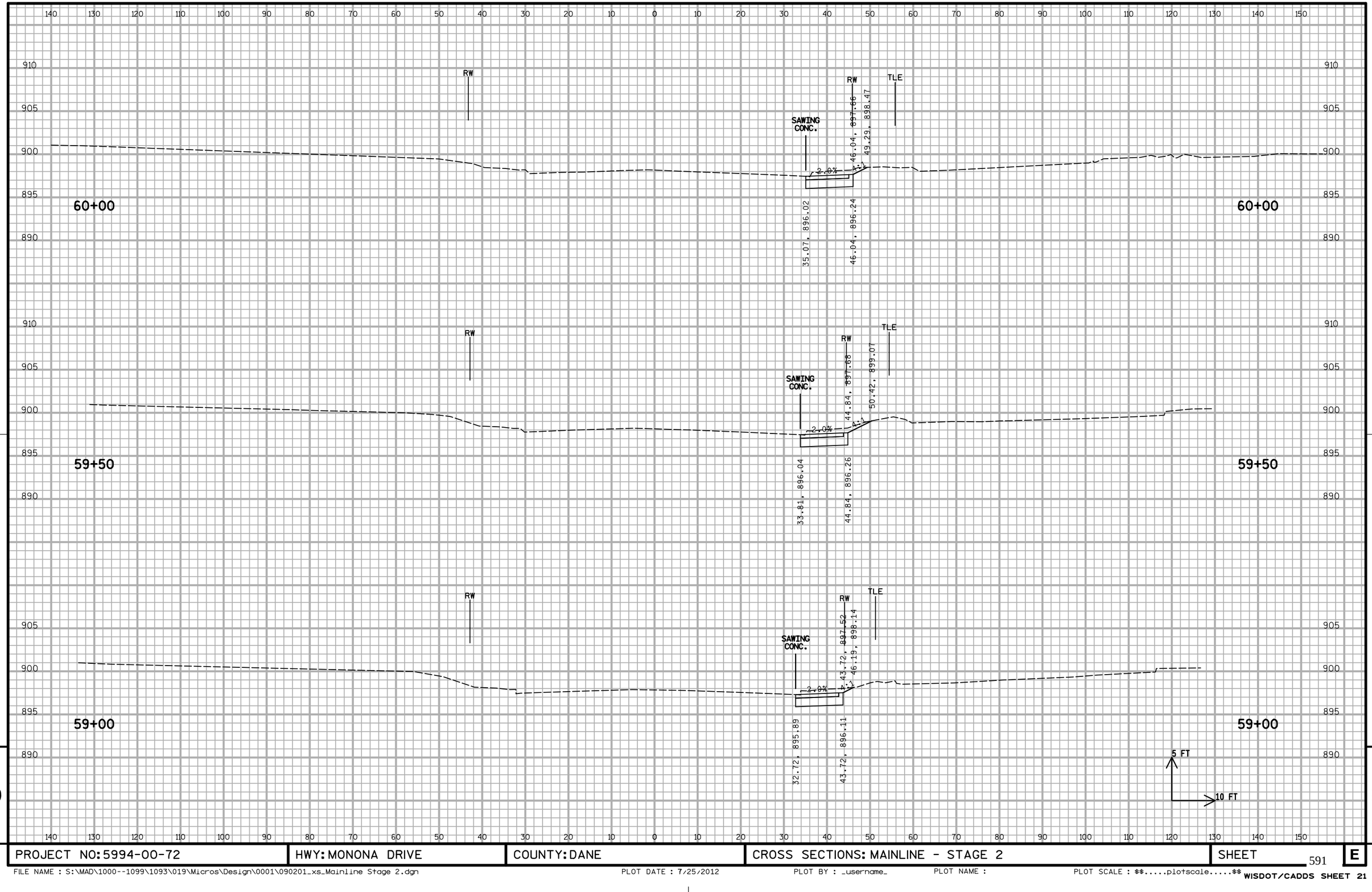


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



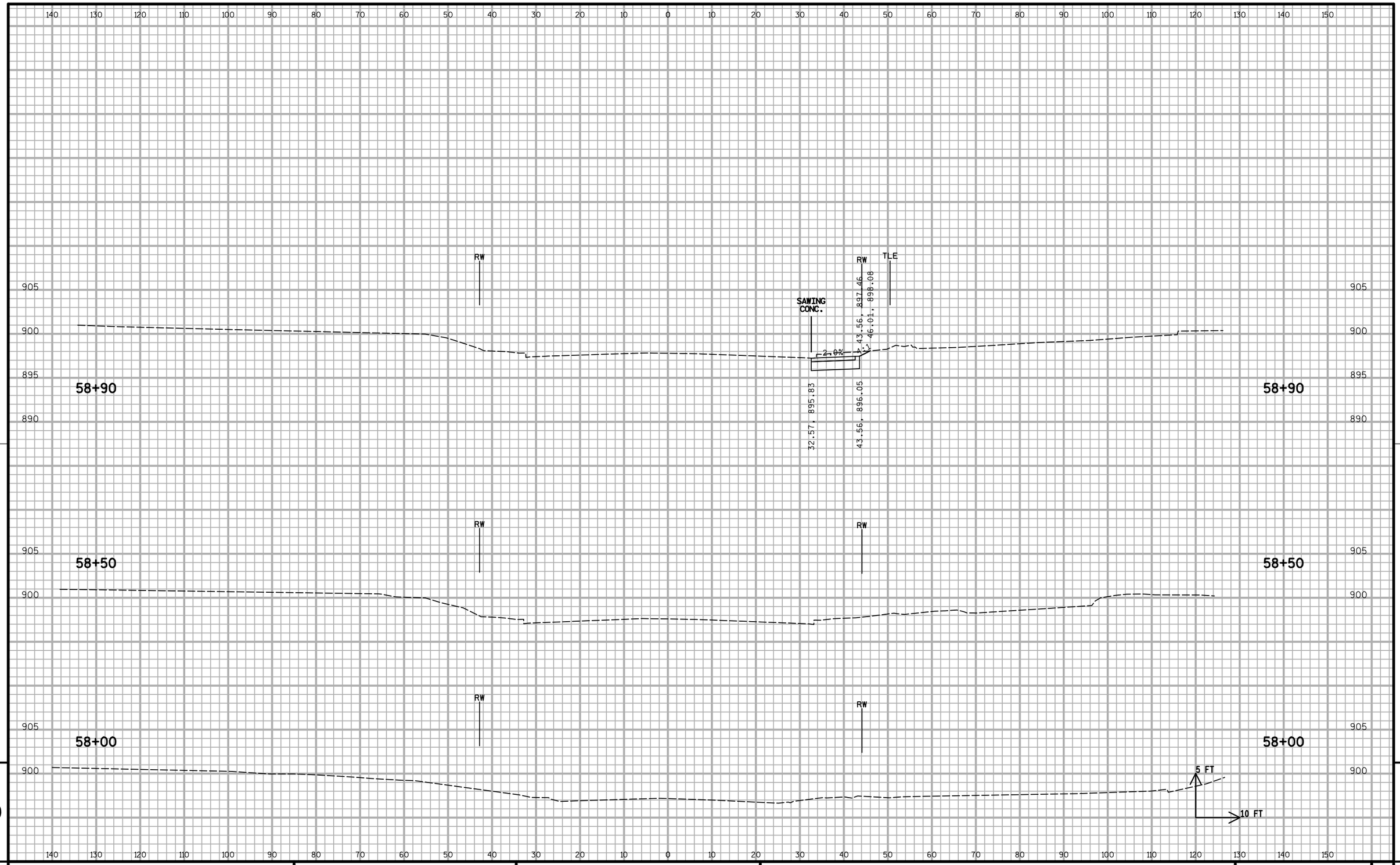
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 590	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 591	E

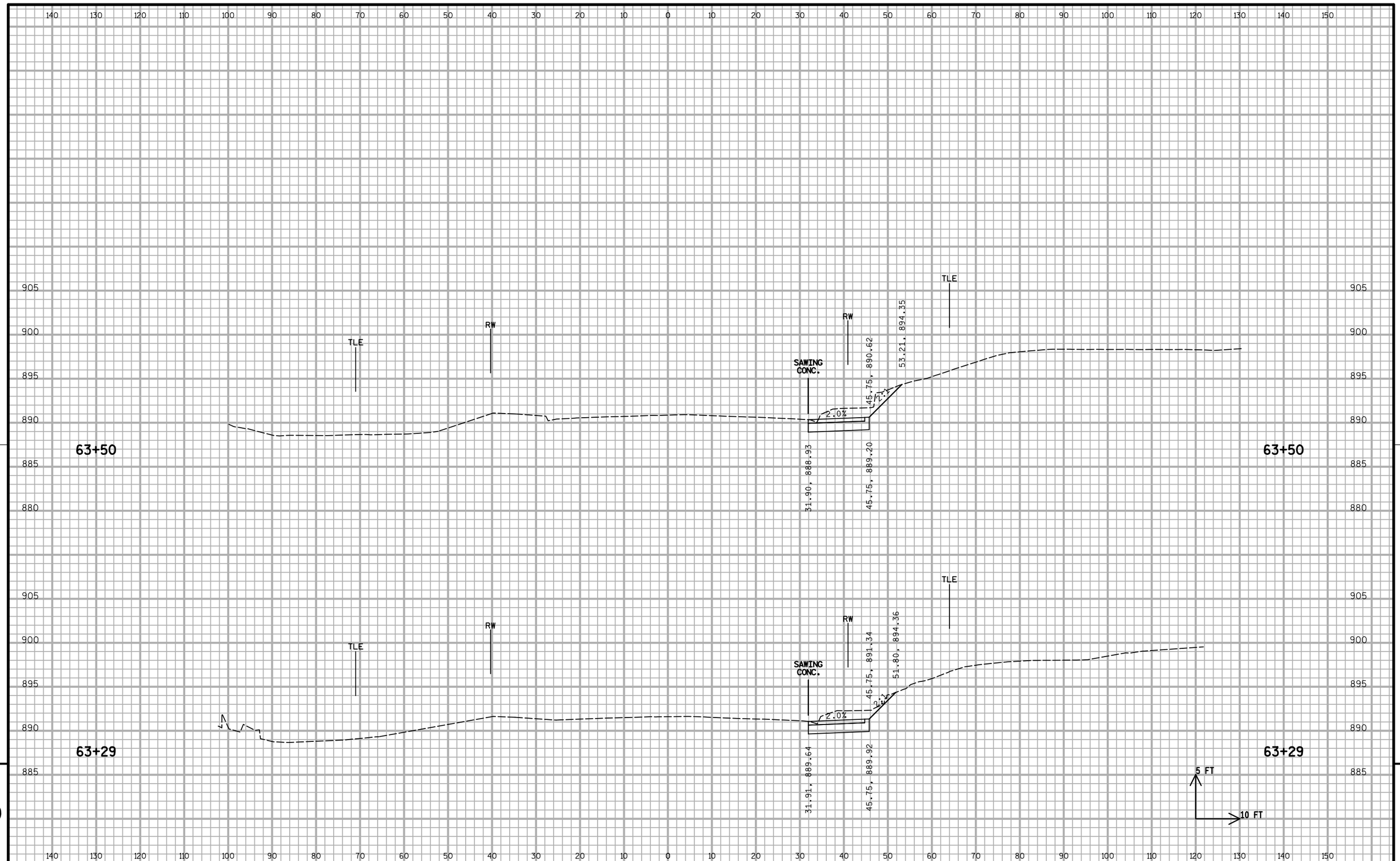
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

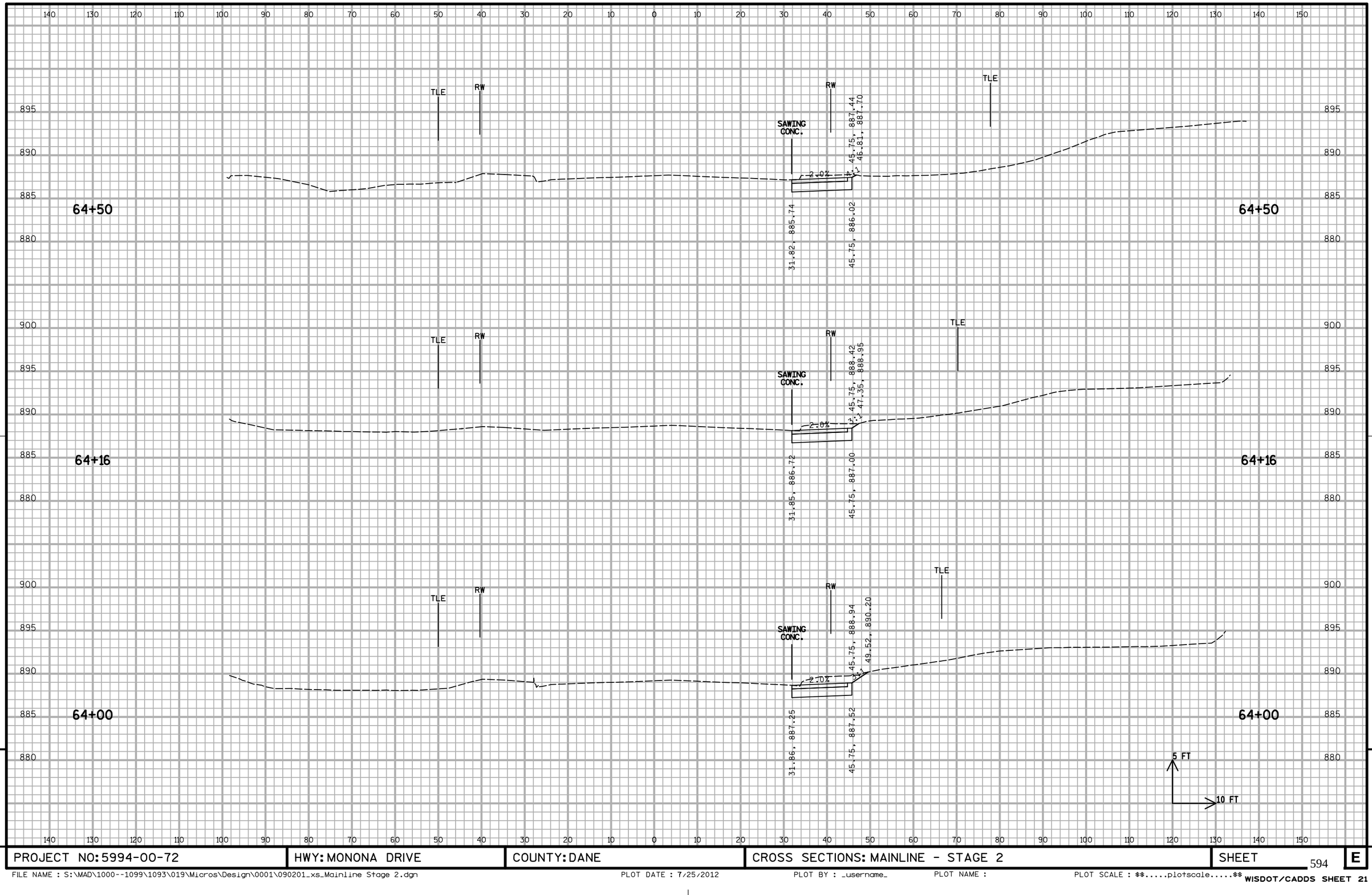
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



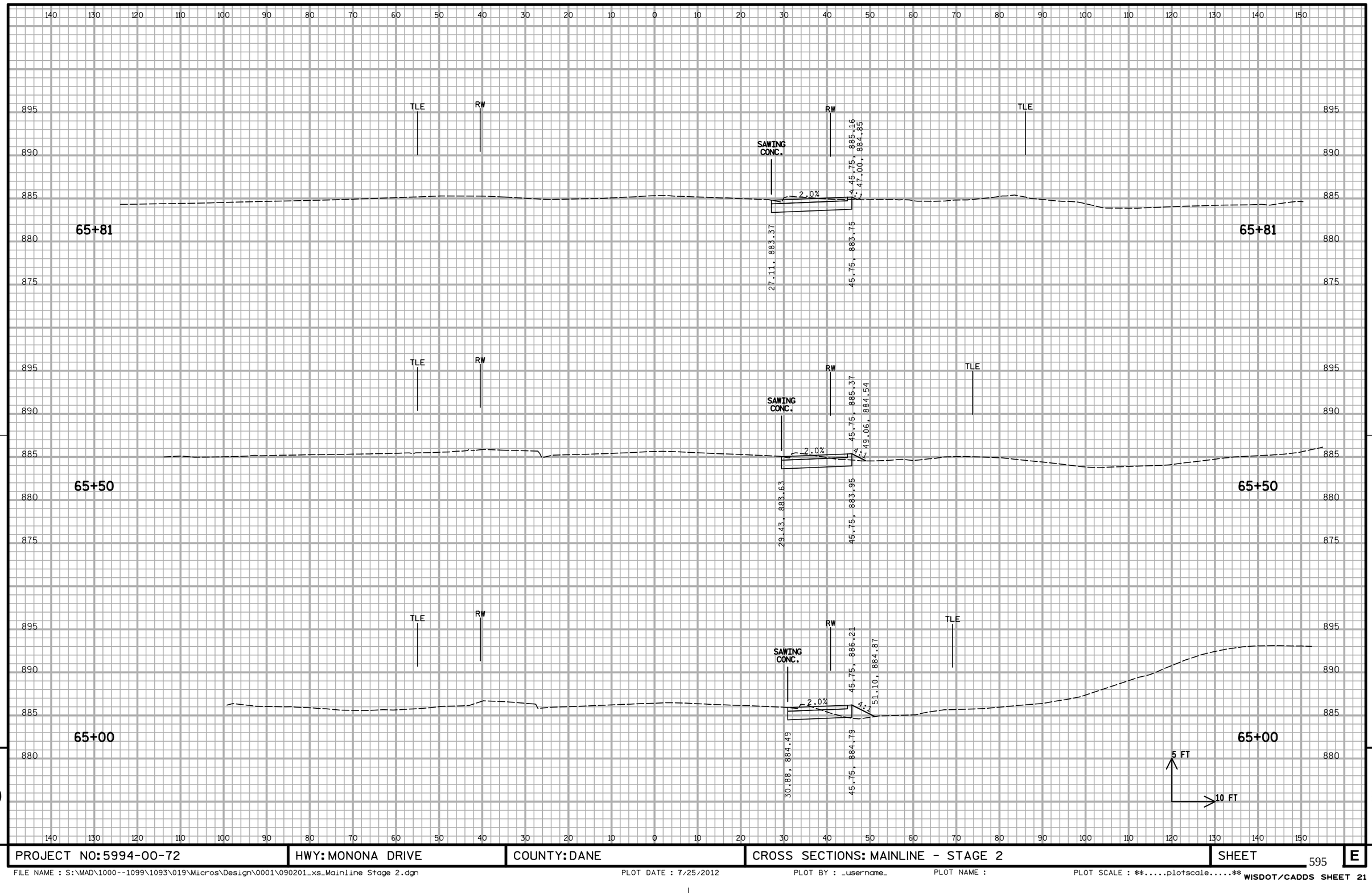
9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 593	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



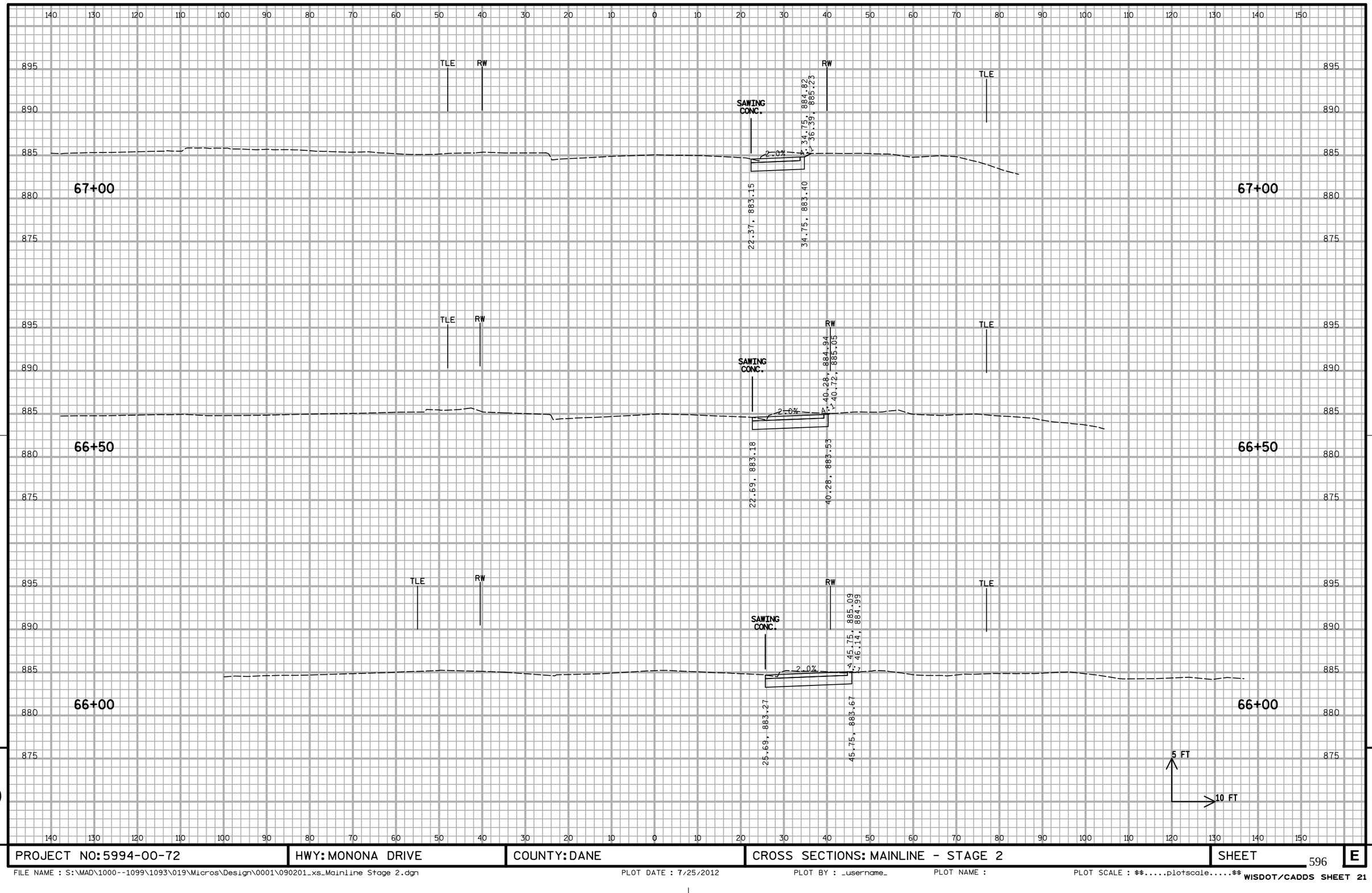
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 594	E



9

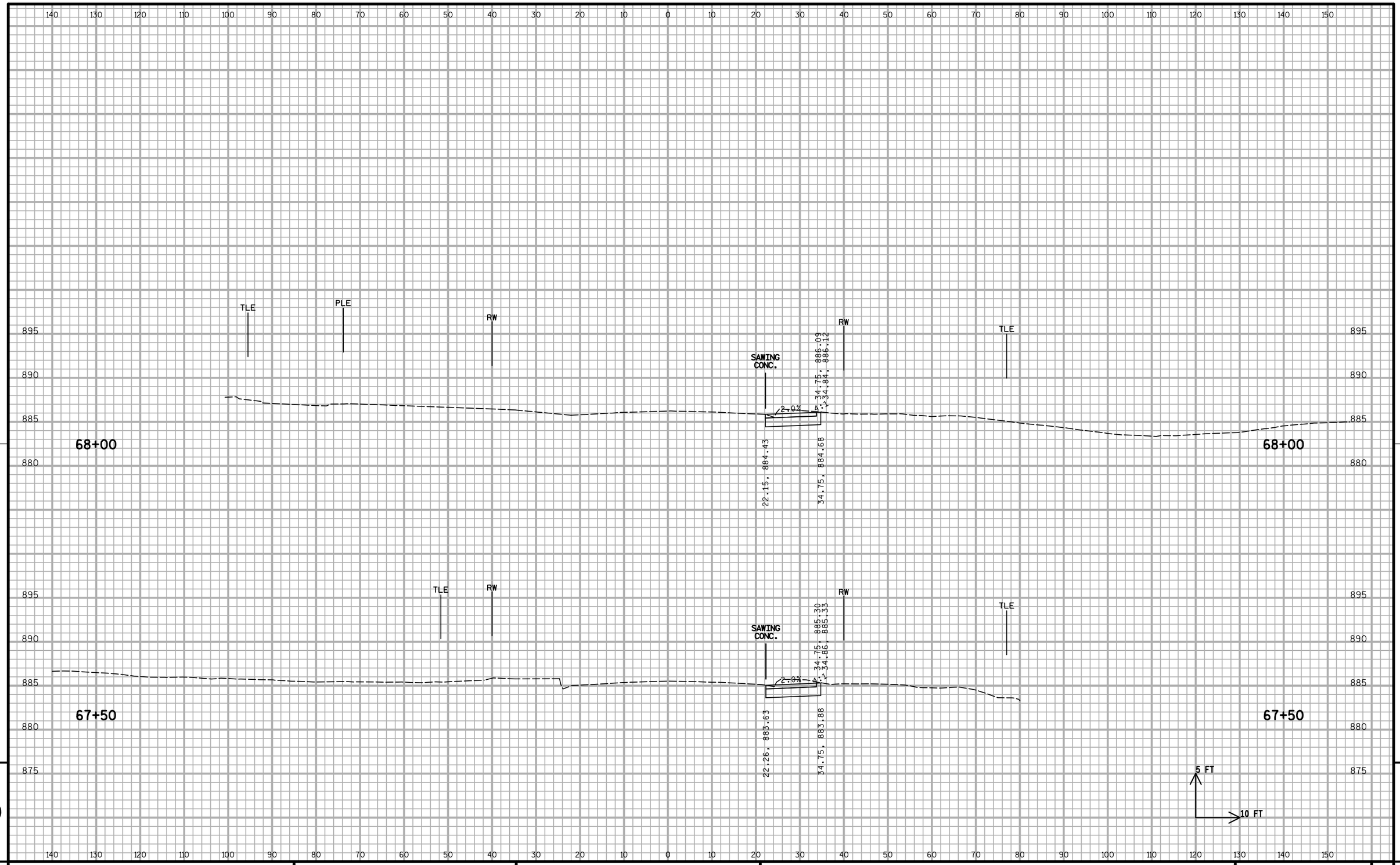
9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 595	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 596	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



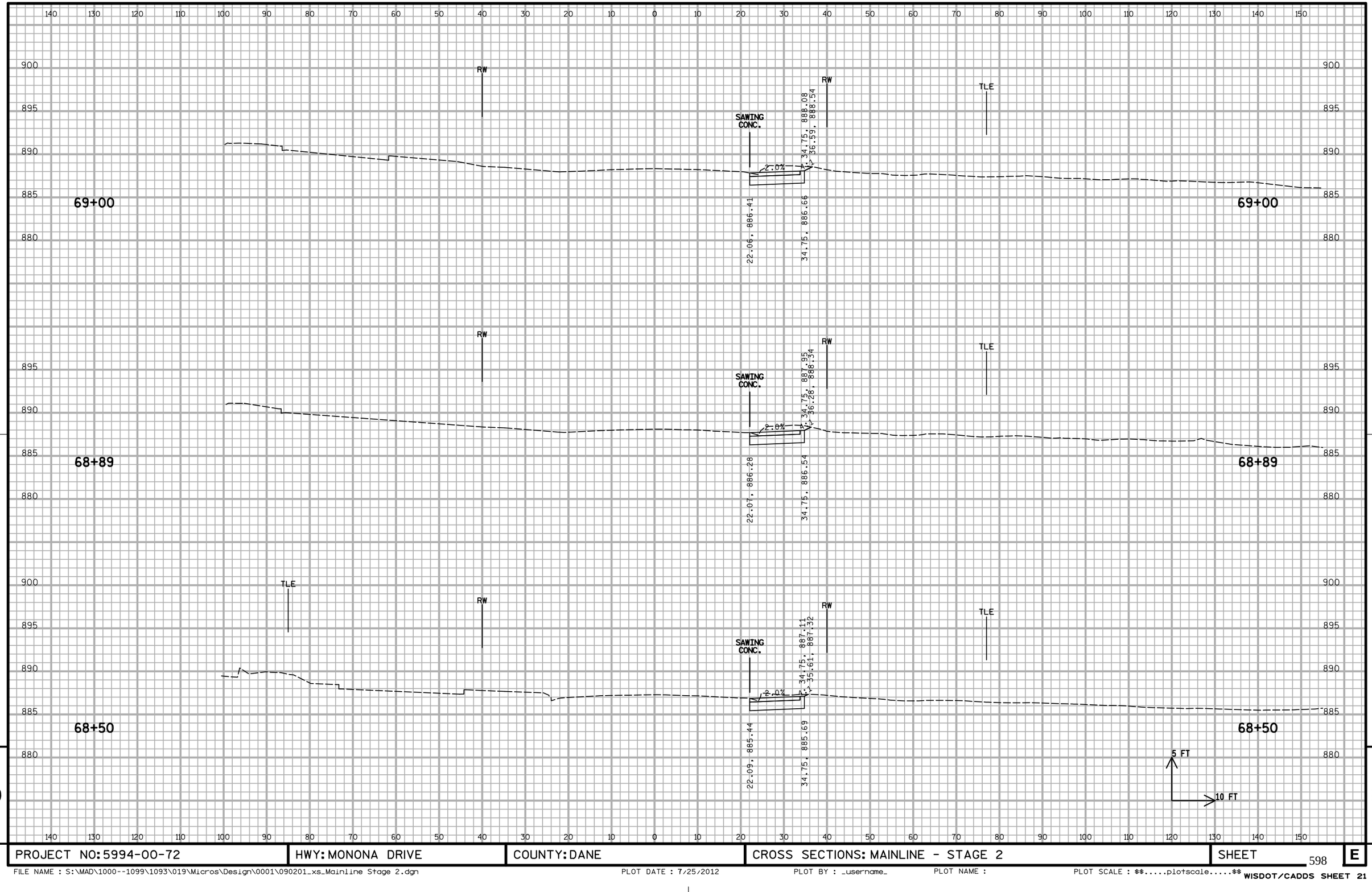
9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 597	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



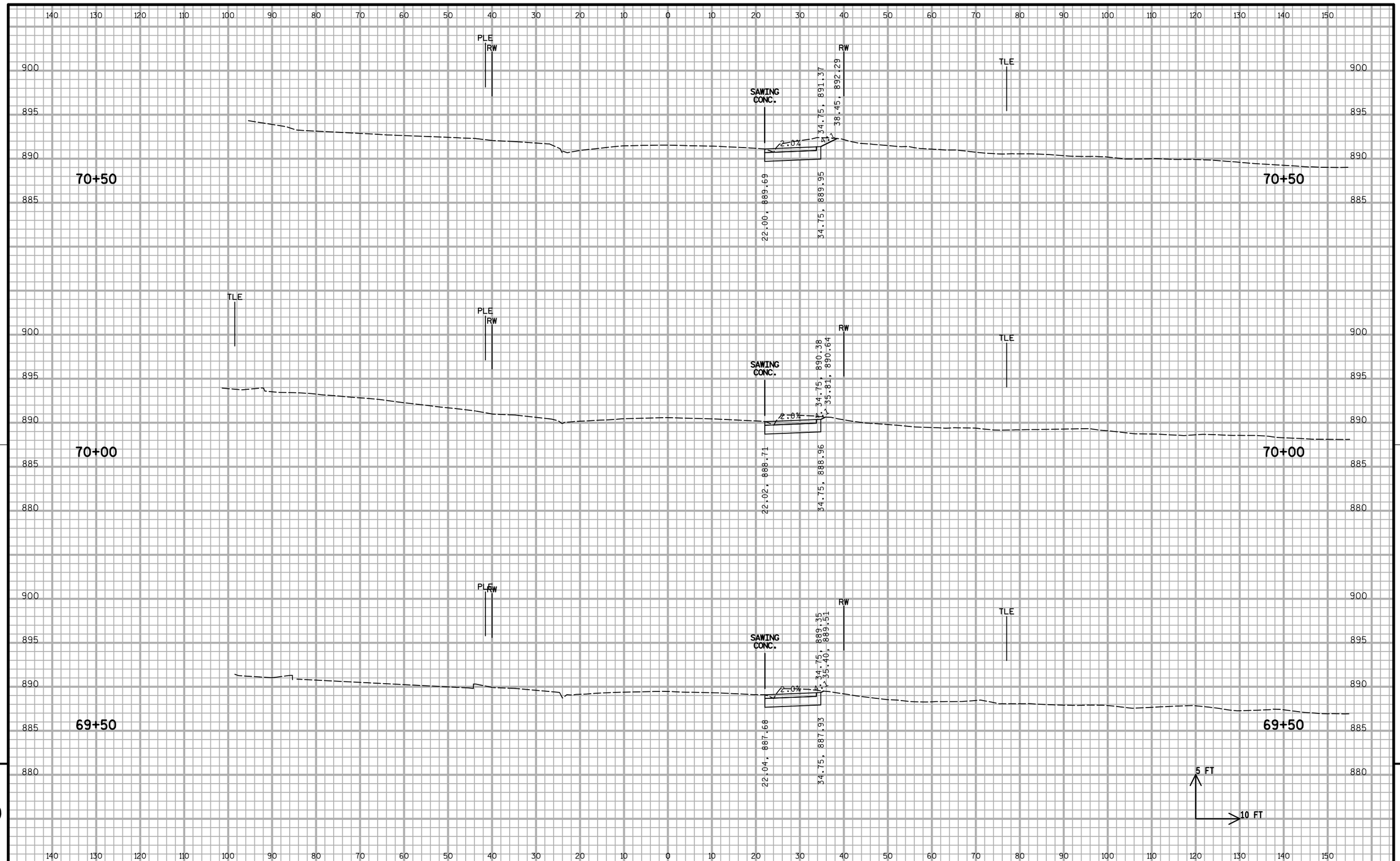
9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 598	E

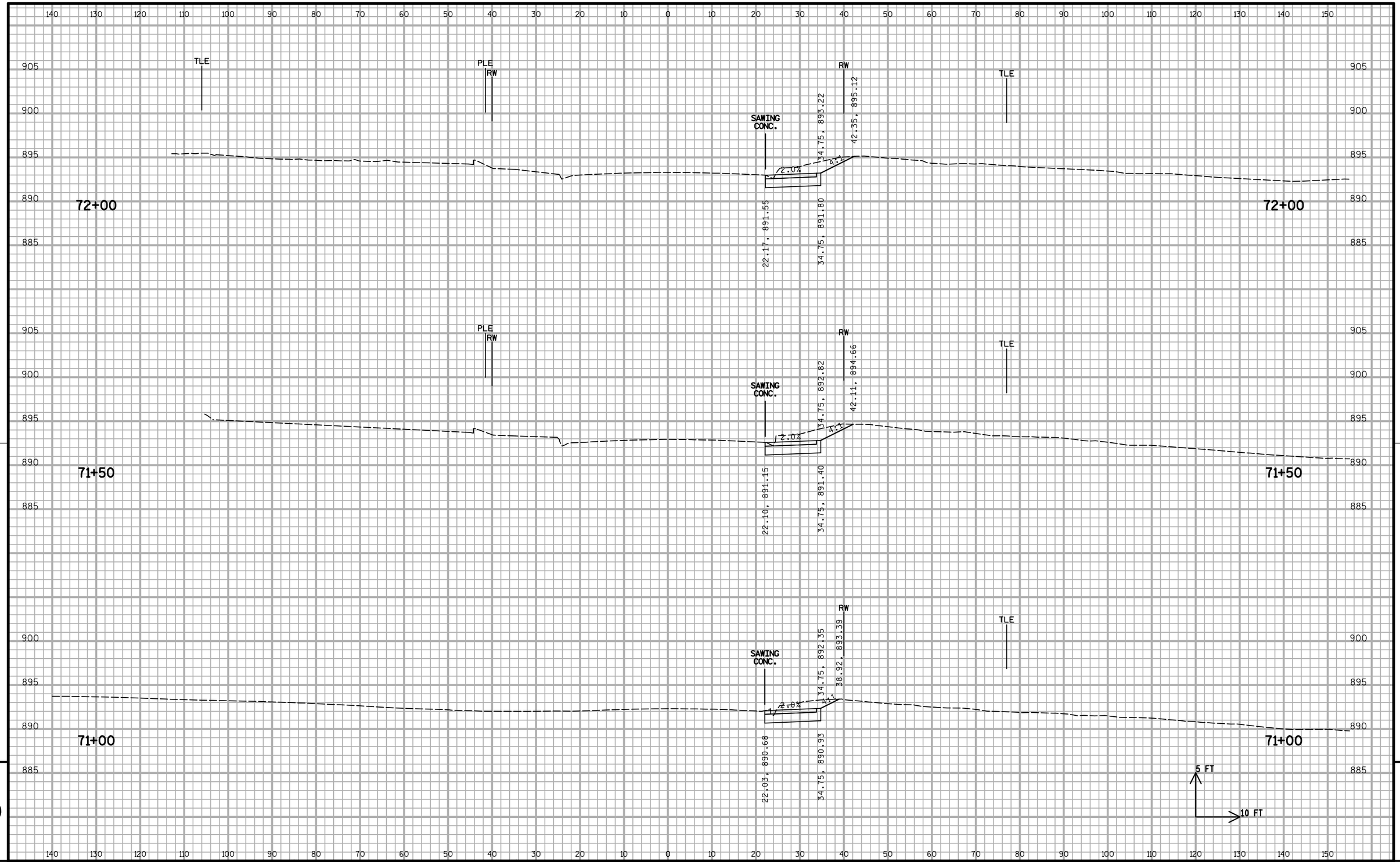
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

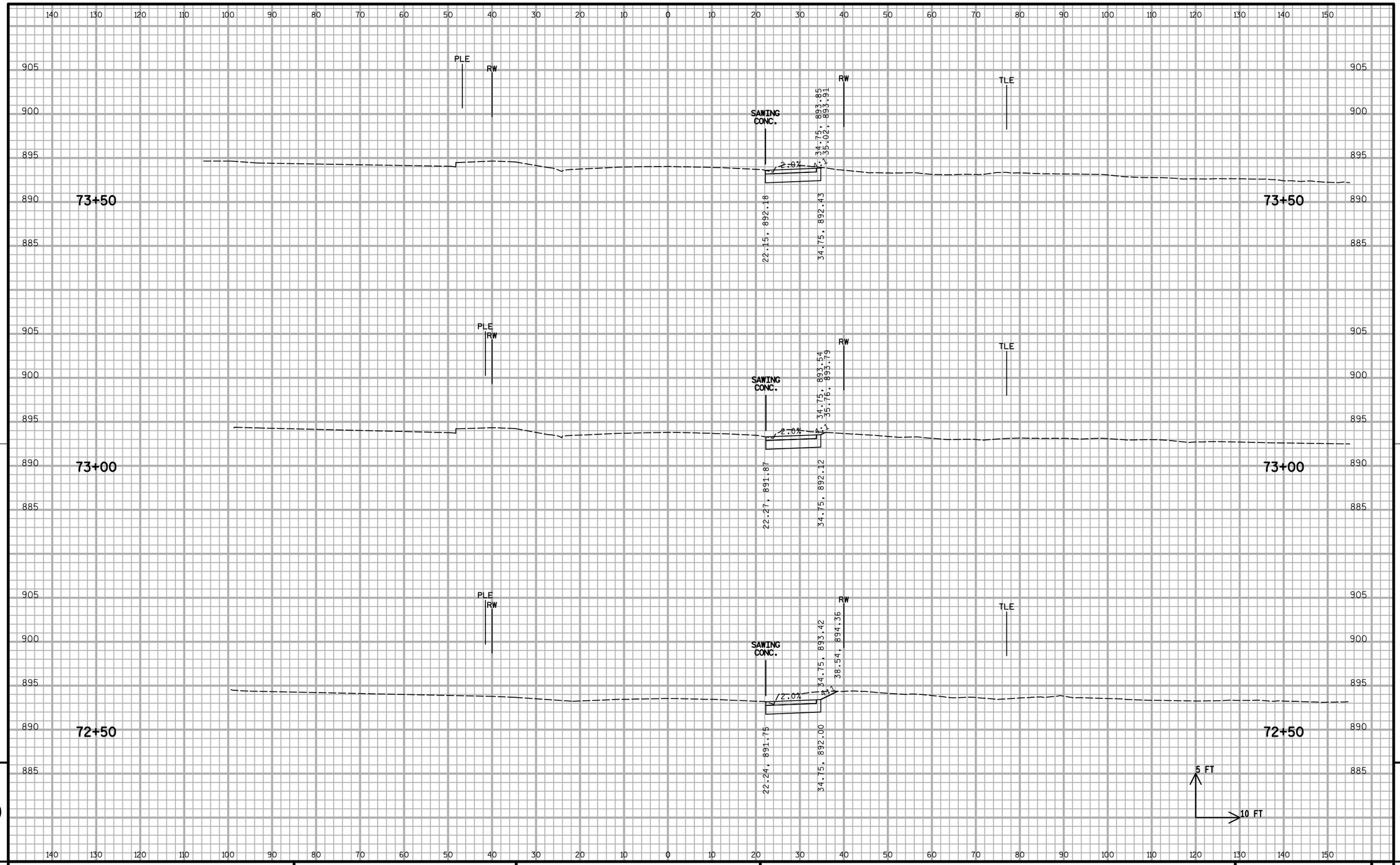


9 9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 600	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

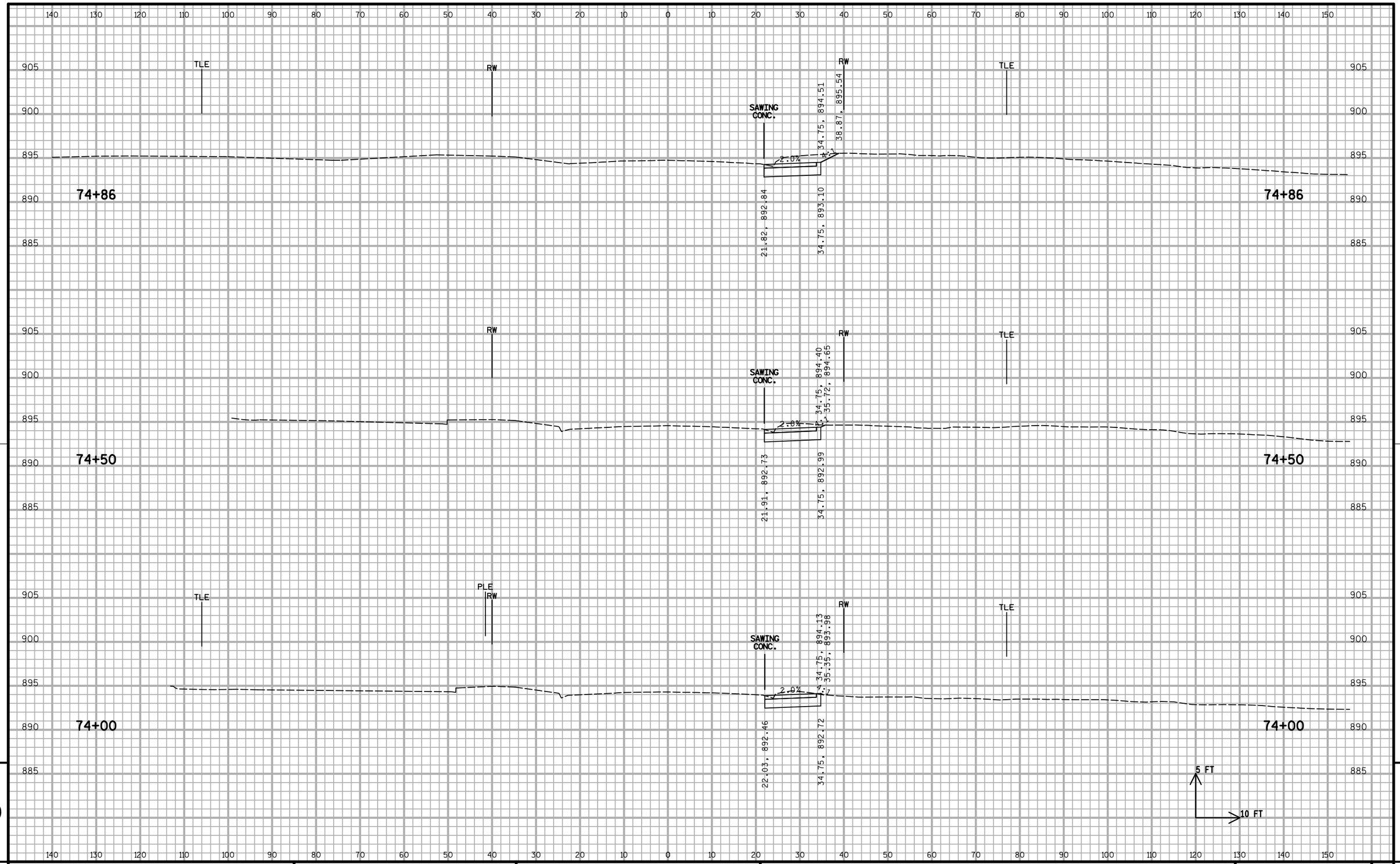


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 601	E

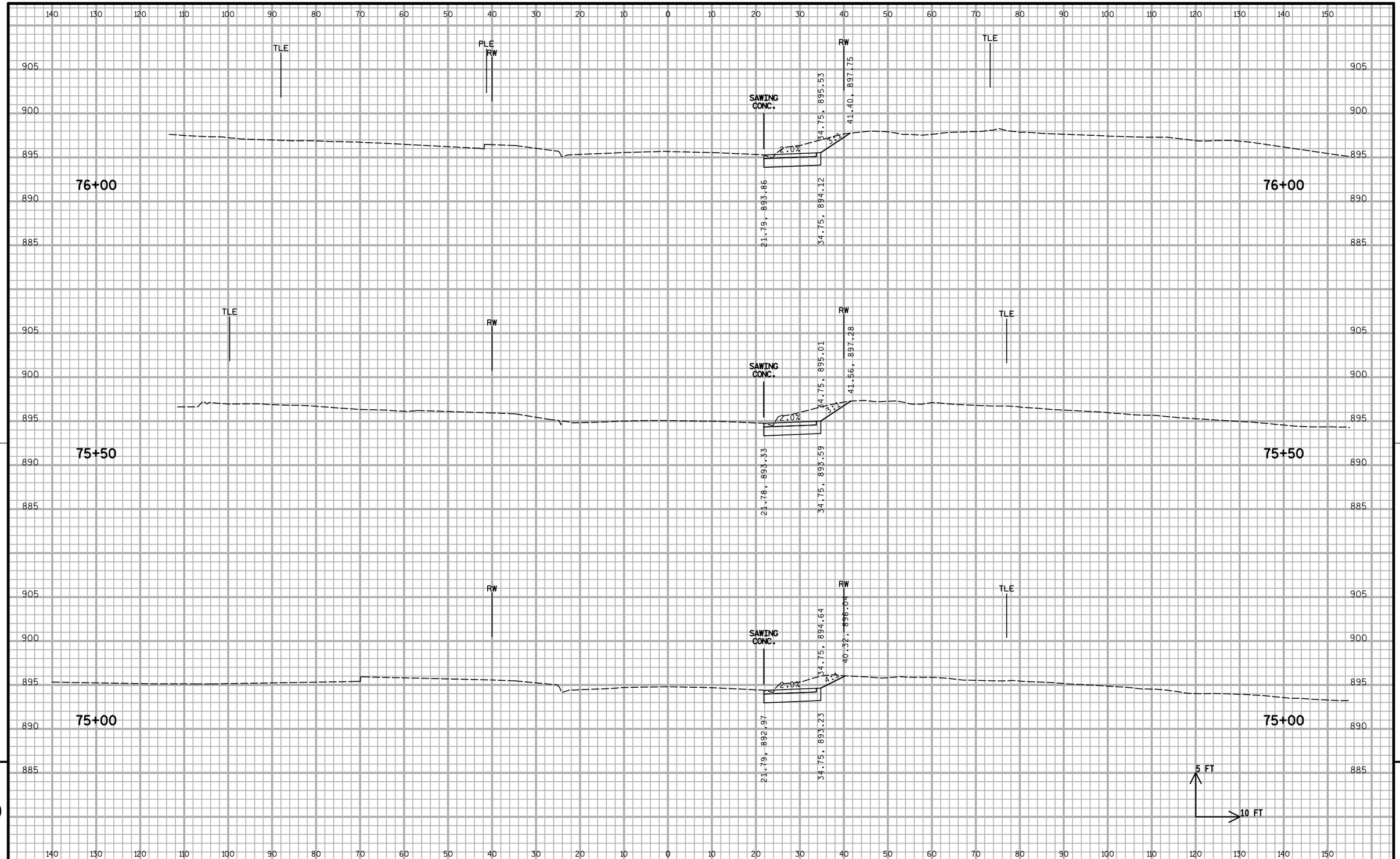
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 602	E

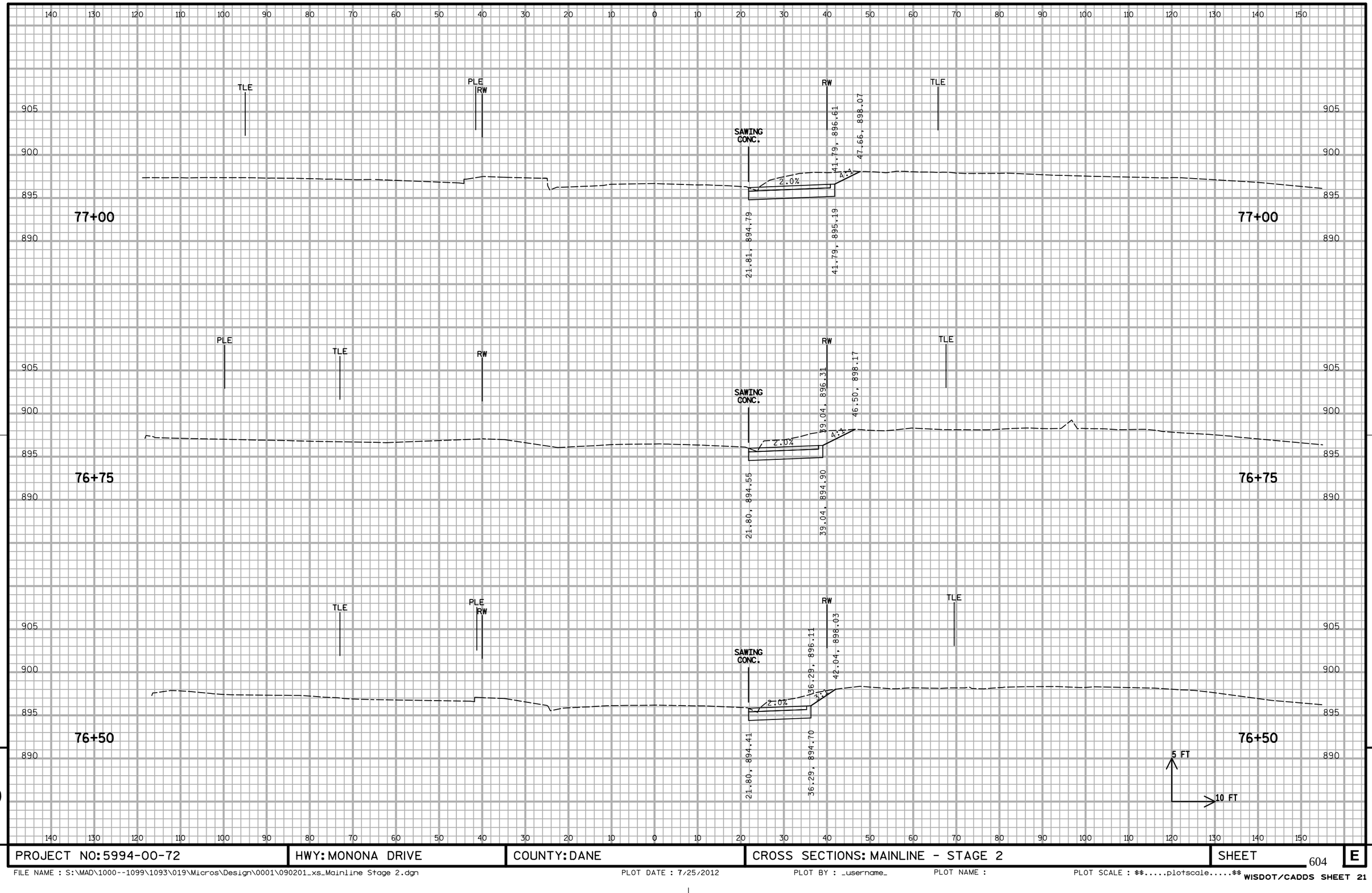


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 603	E

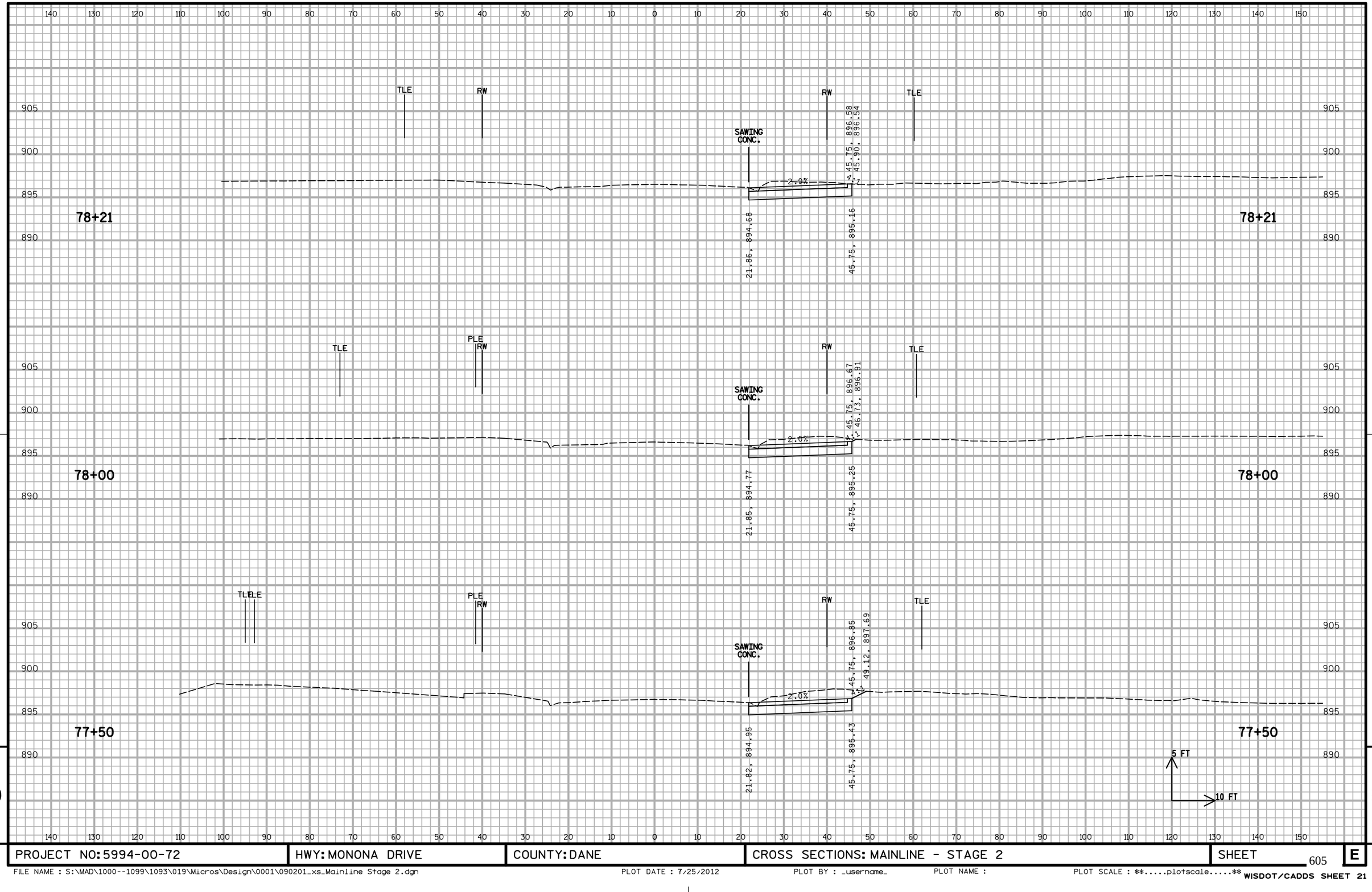
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

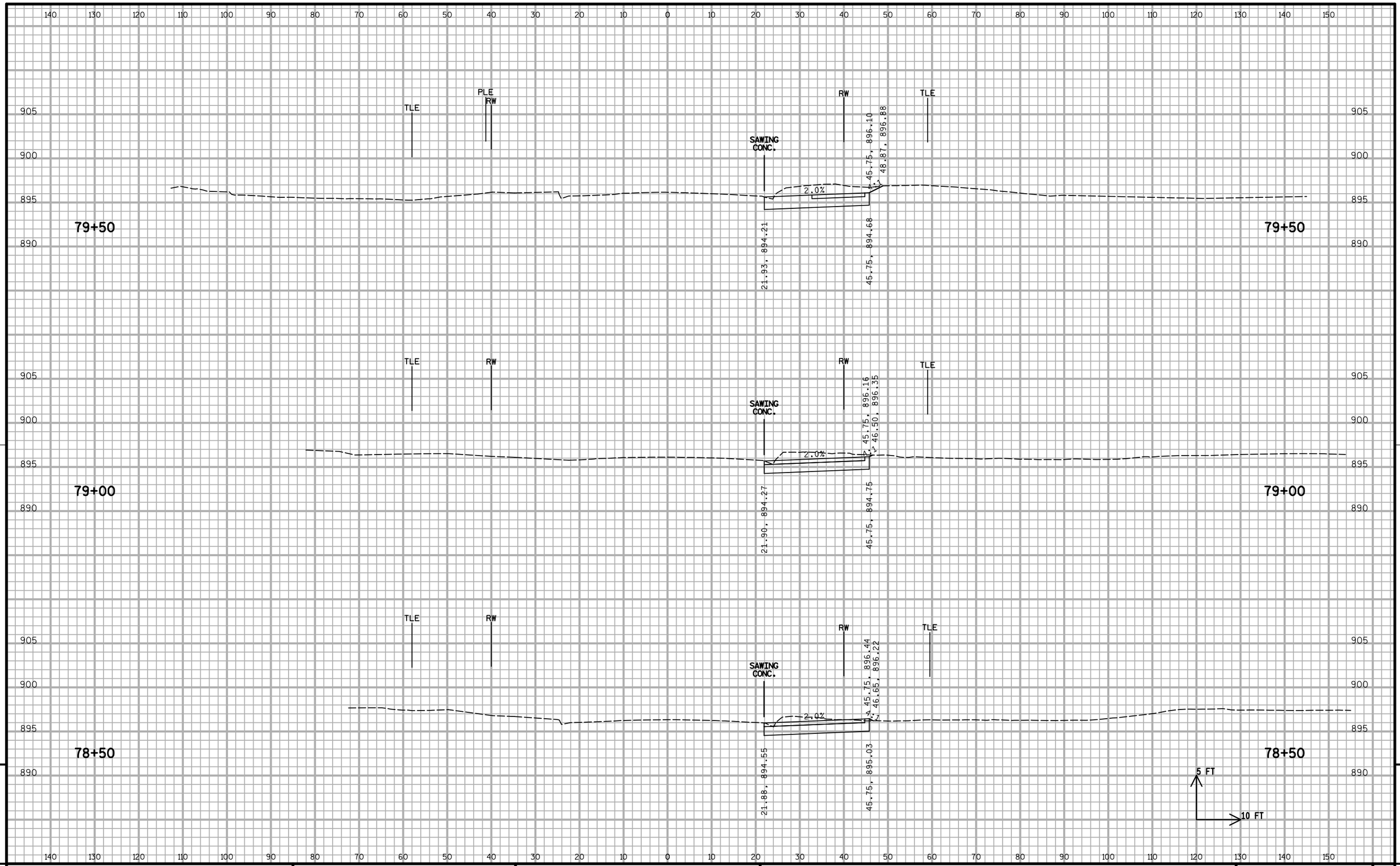
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 605	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



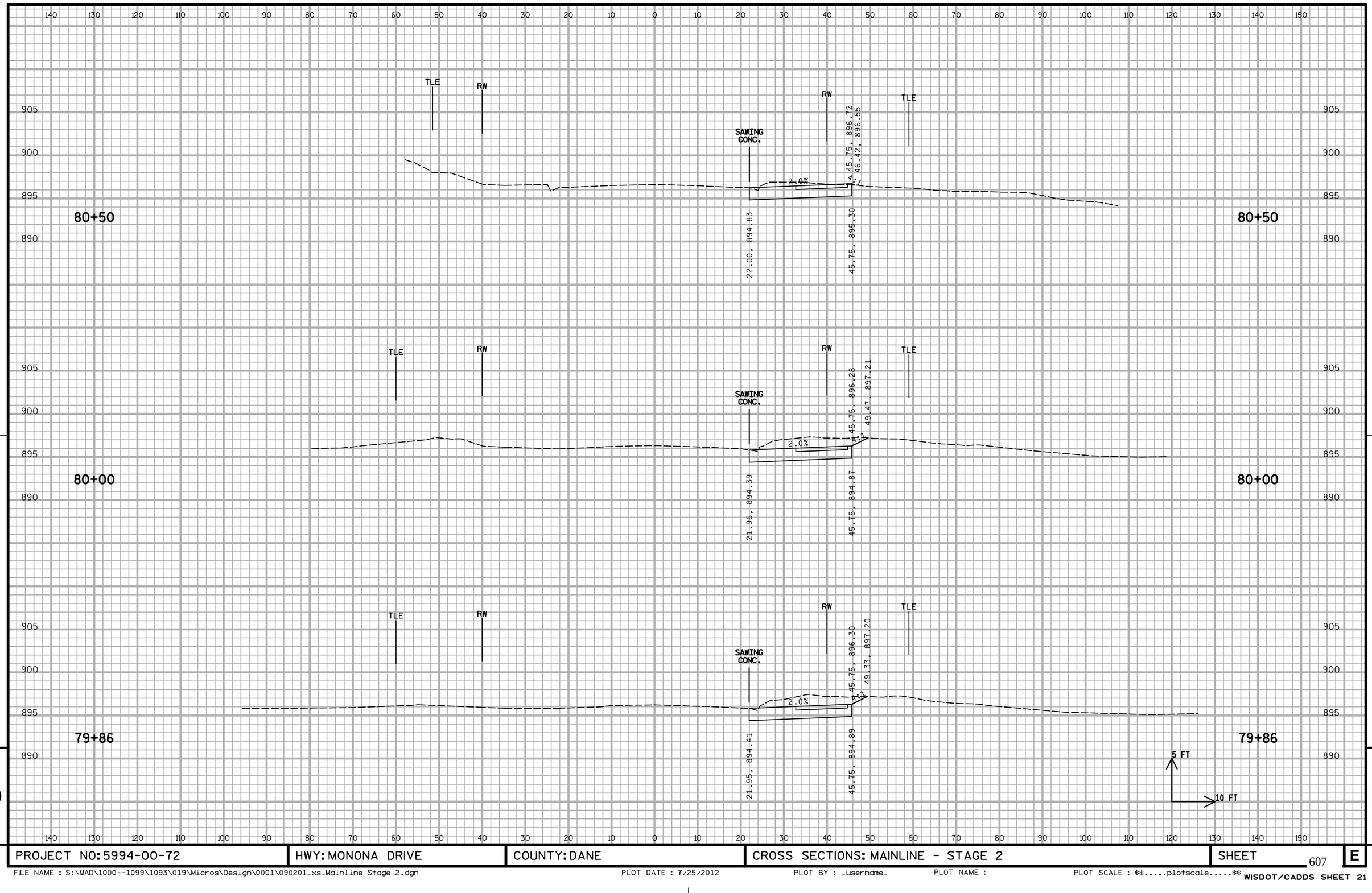
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 606	E

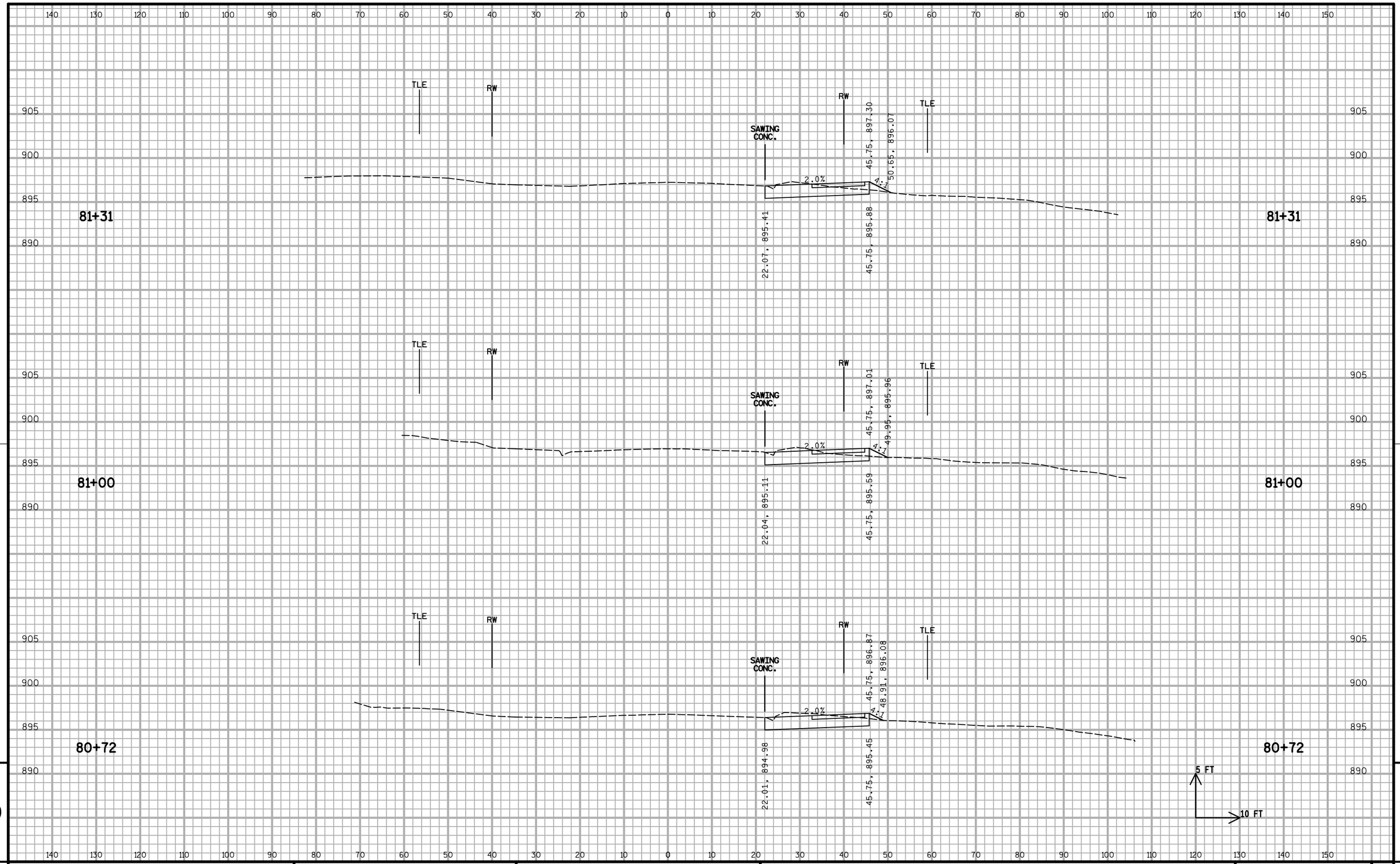
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 607	E

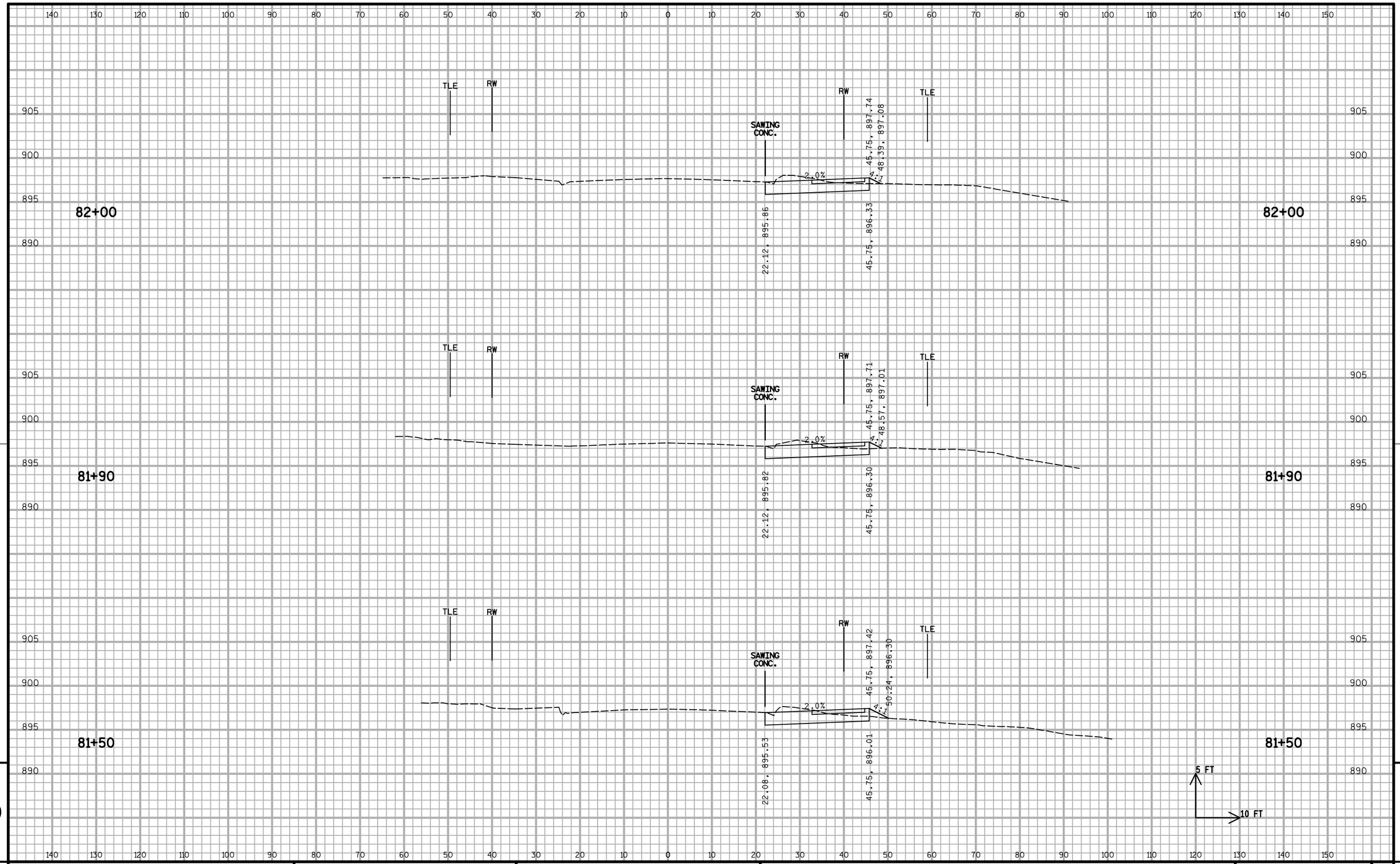
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



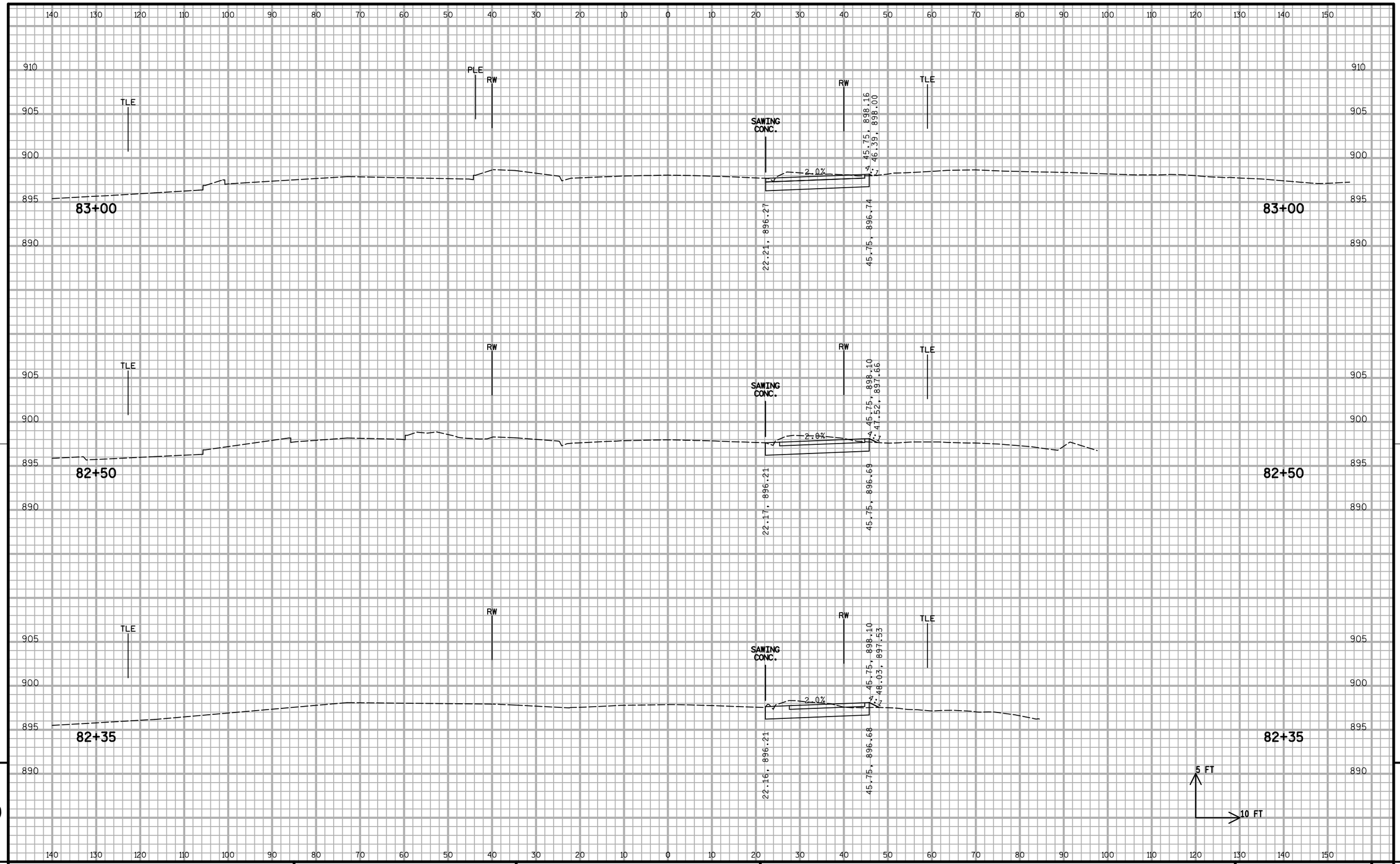
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

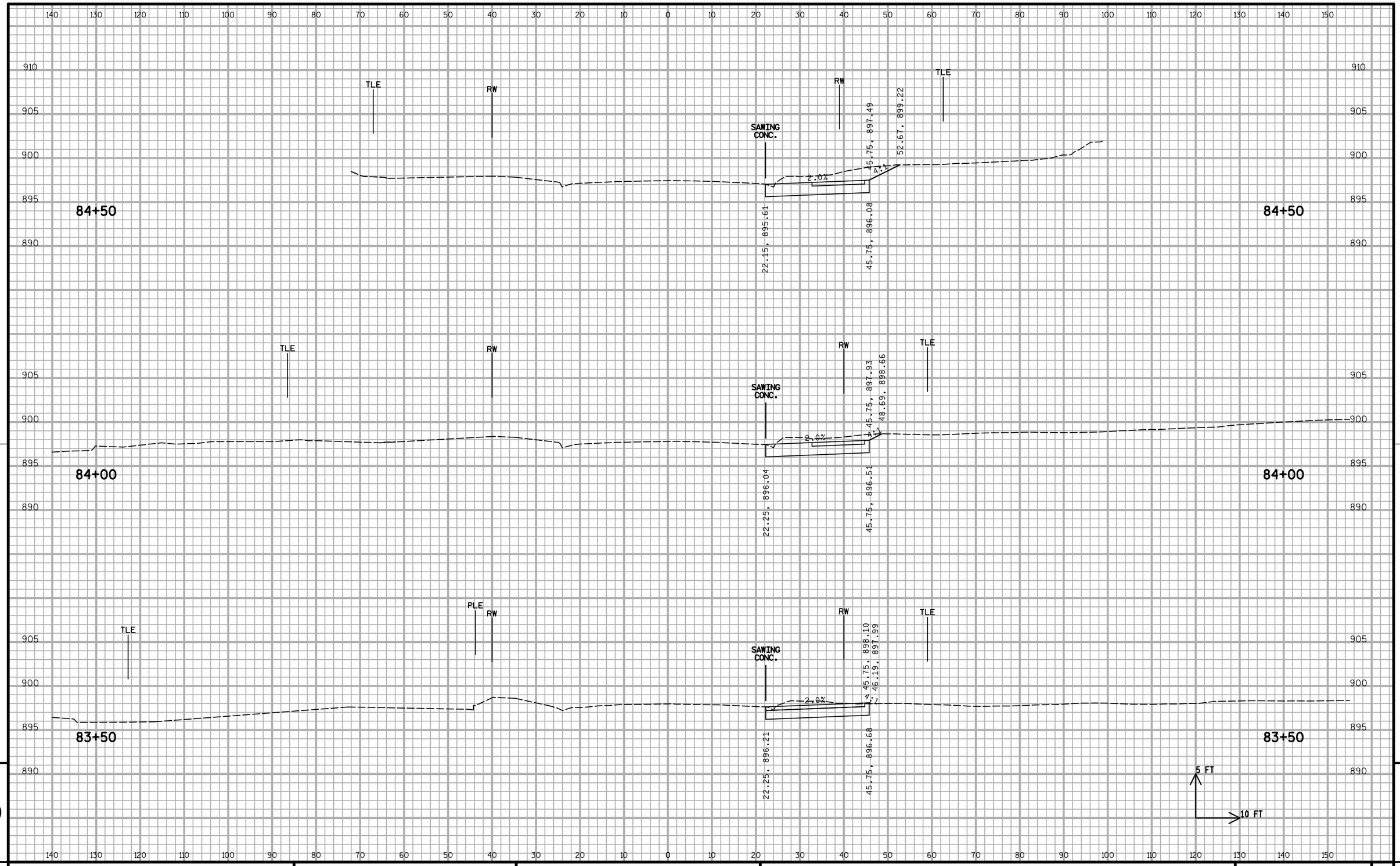
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



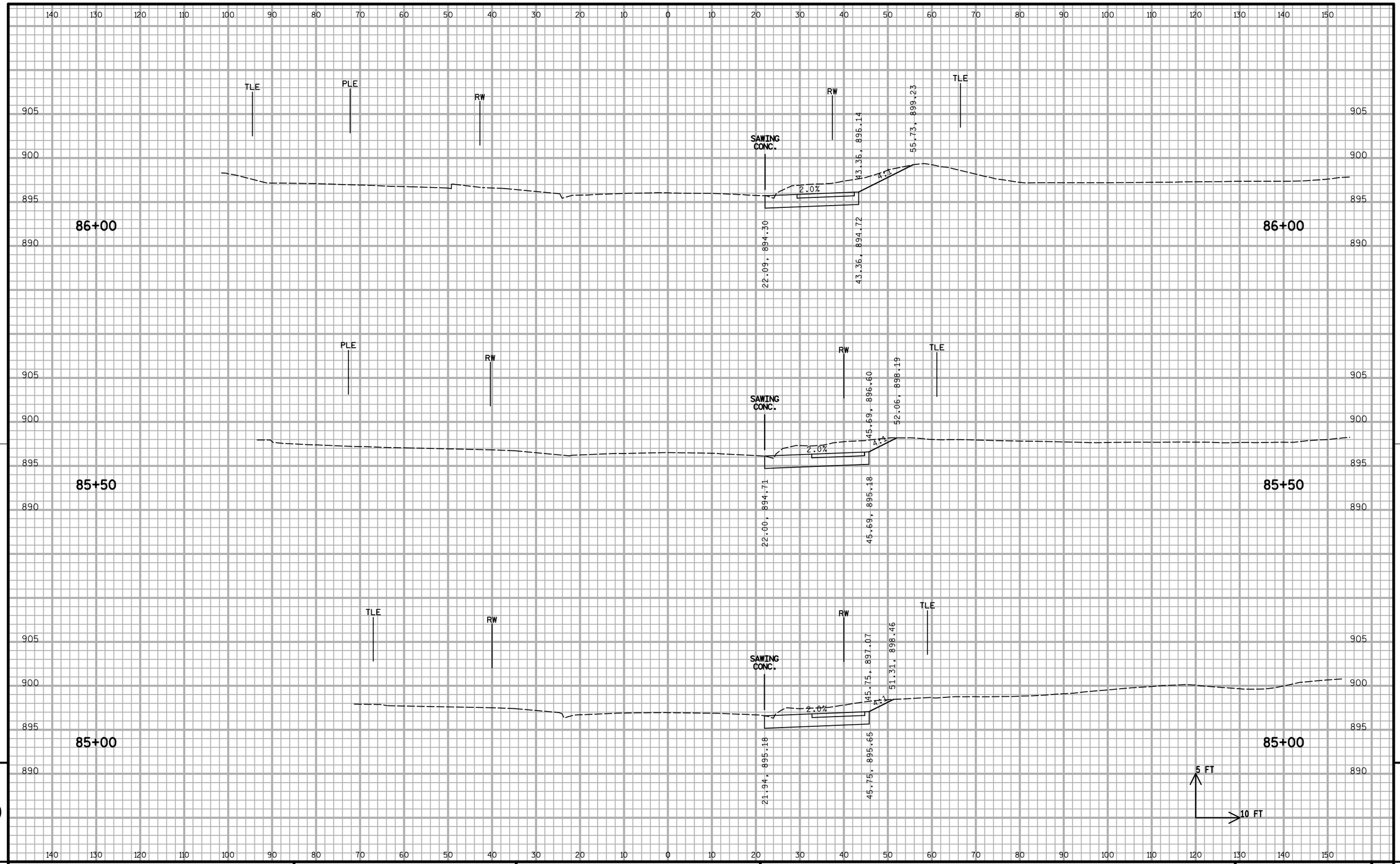
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 611	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



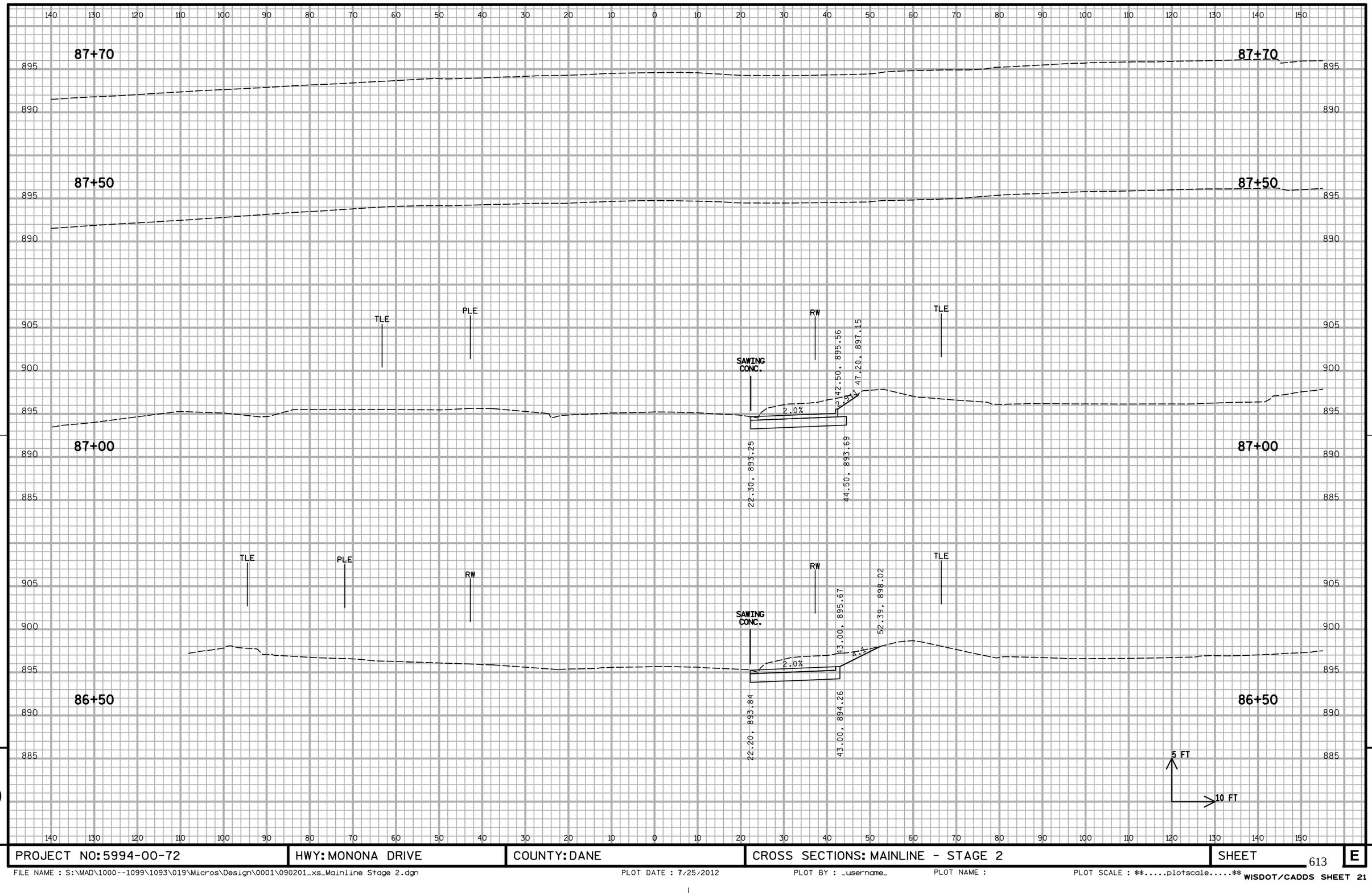
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



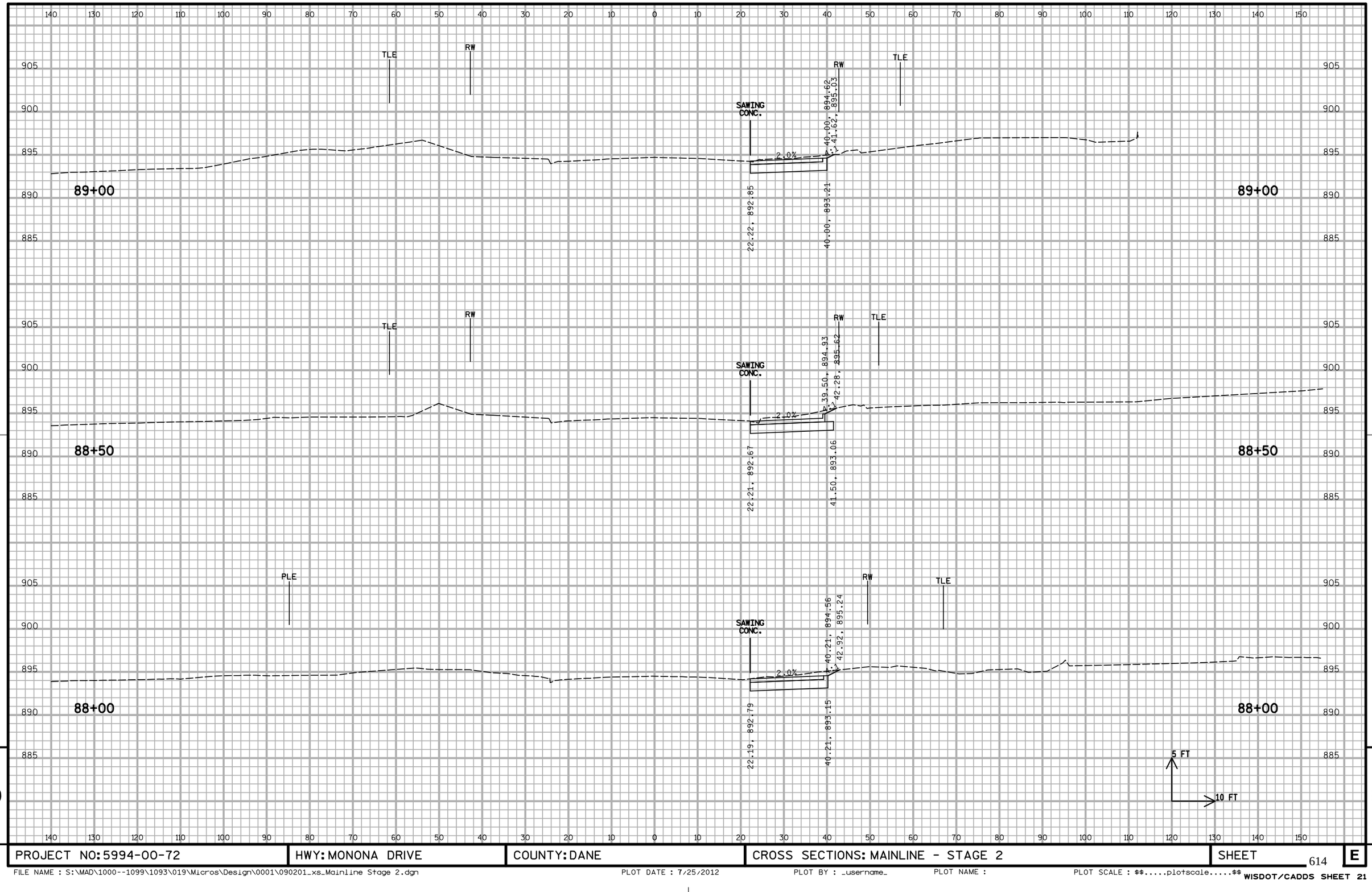
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

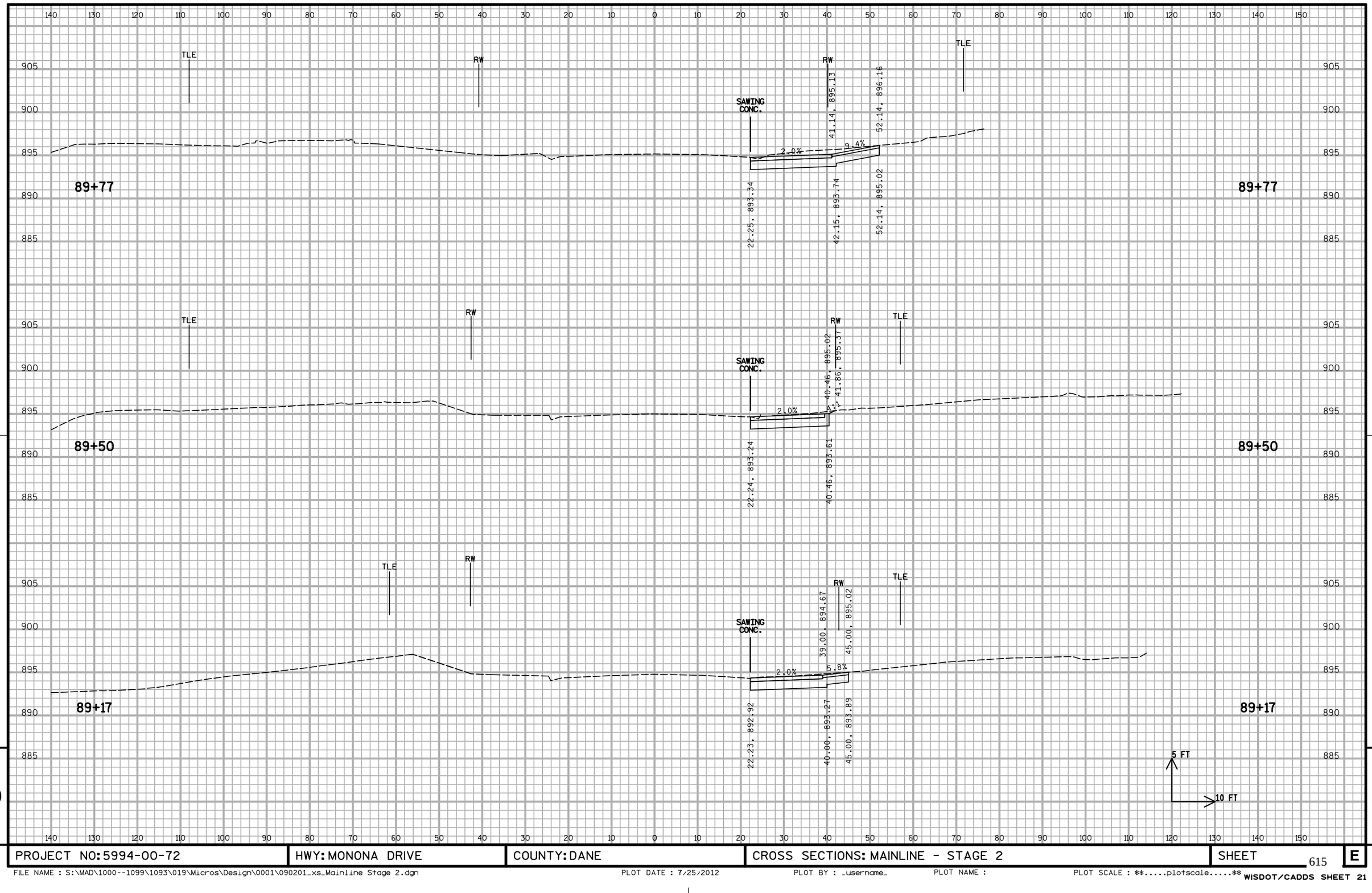


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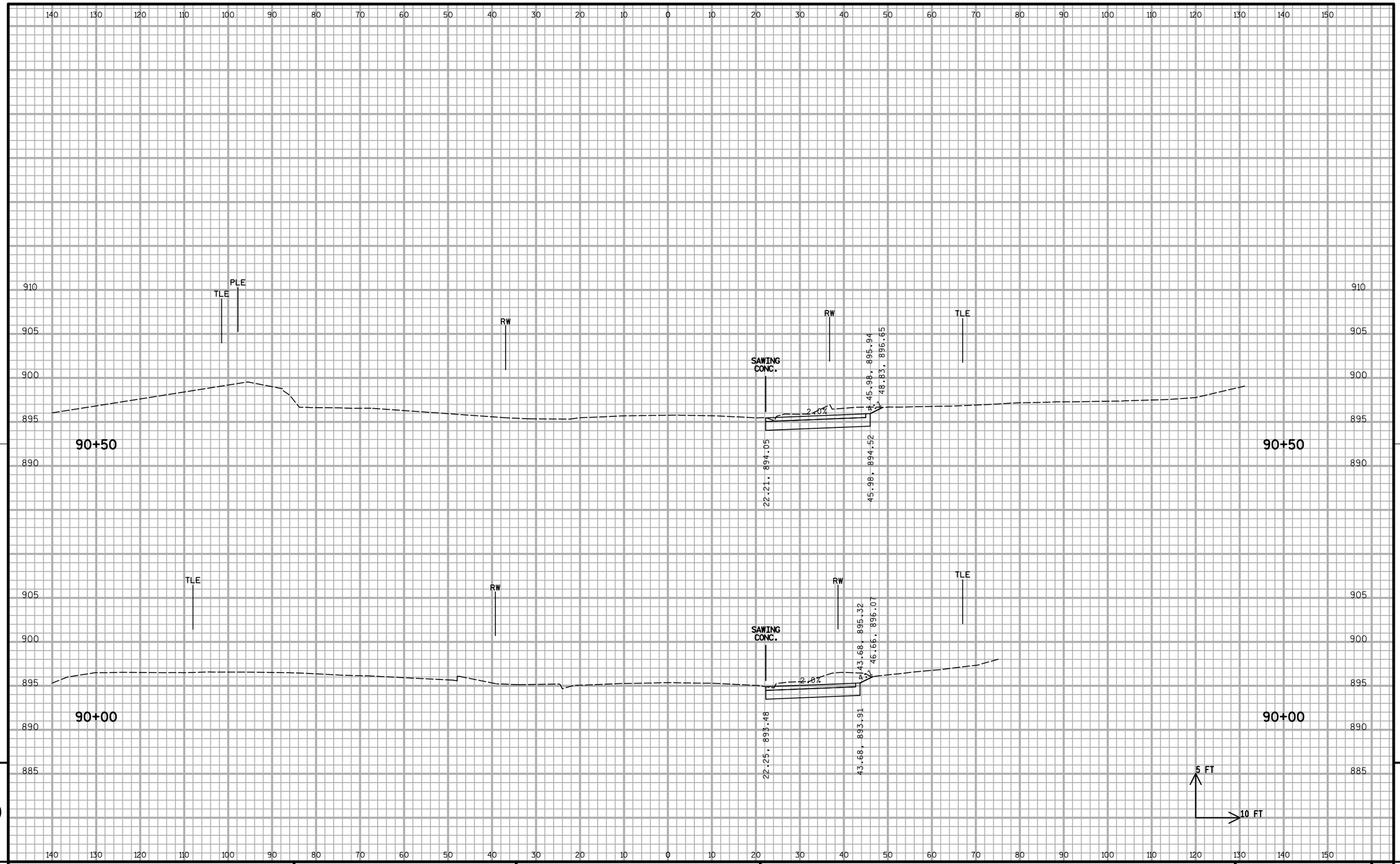
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 614	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 615	E

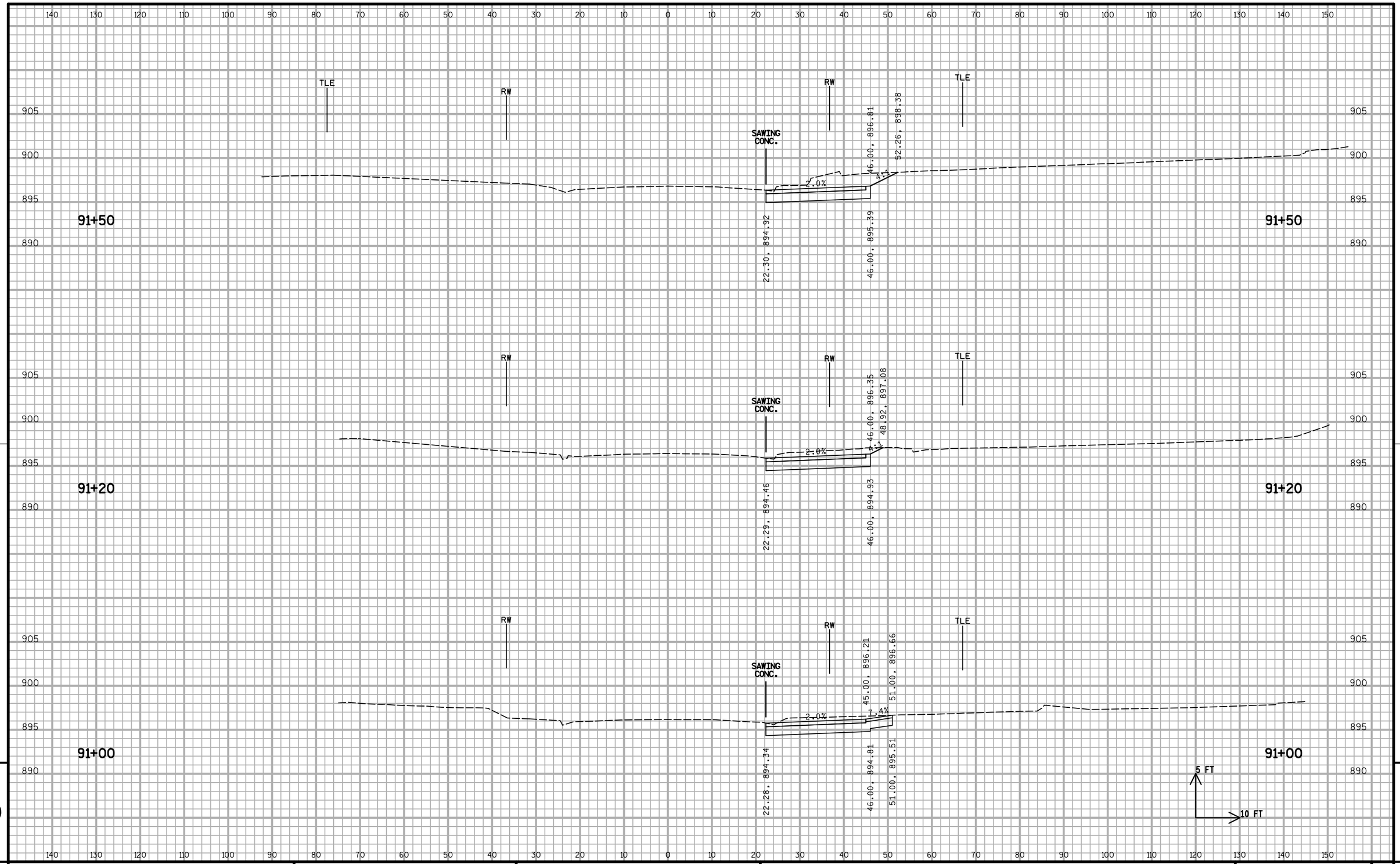
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



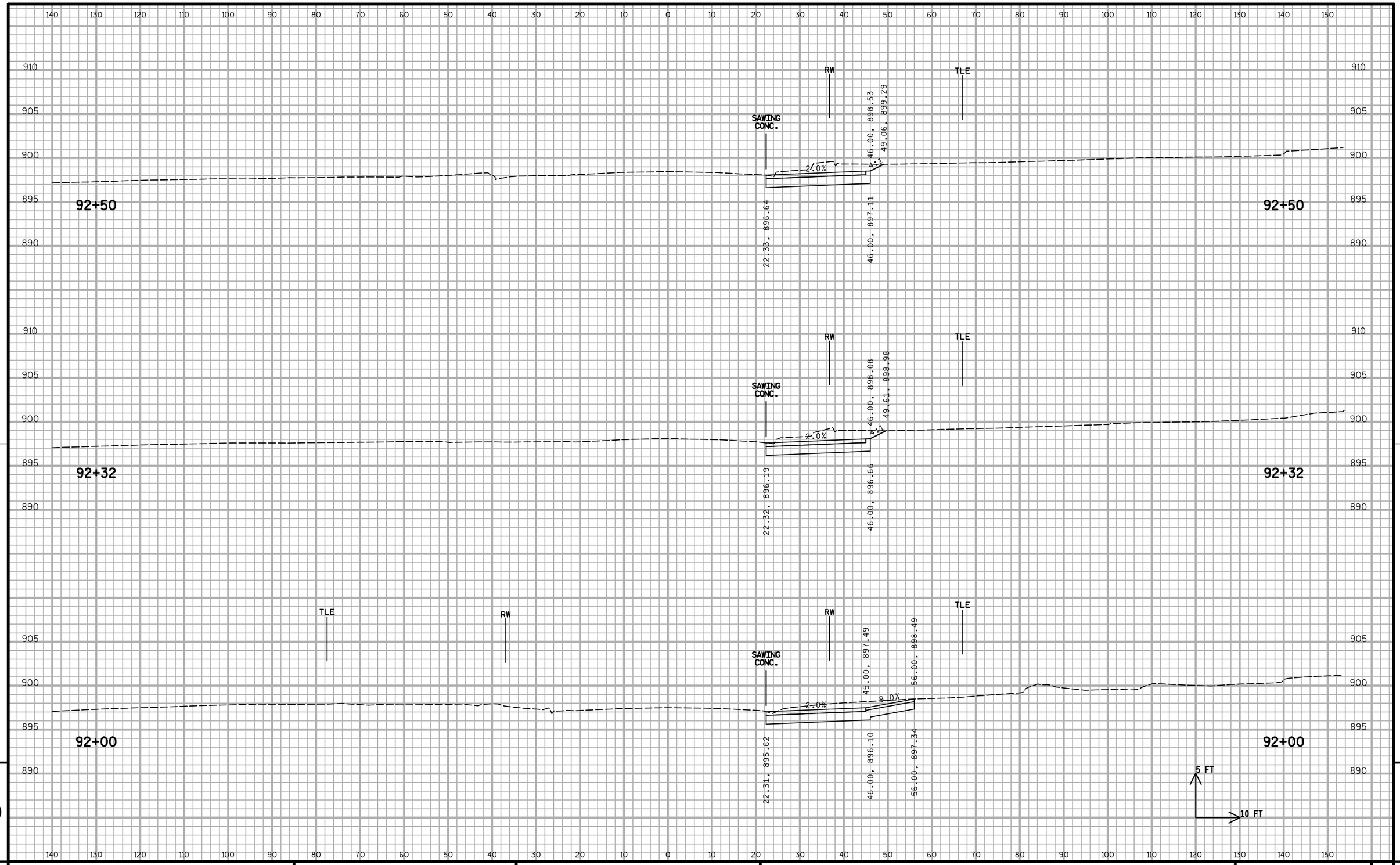
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

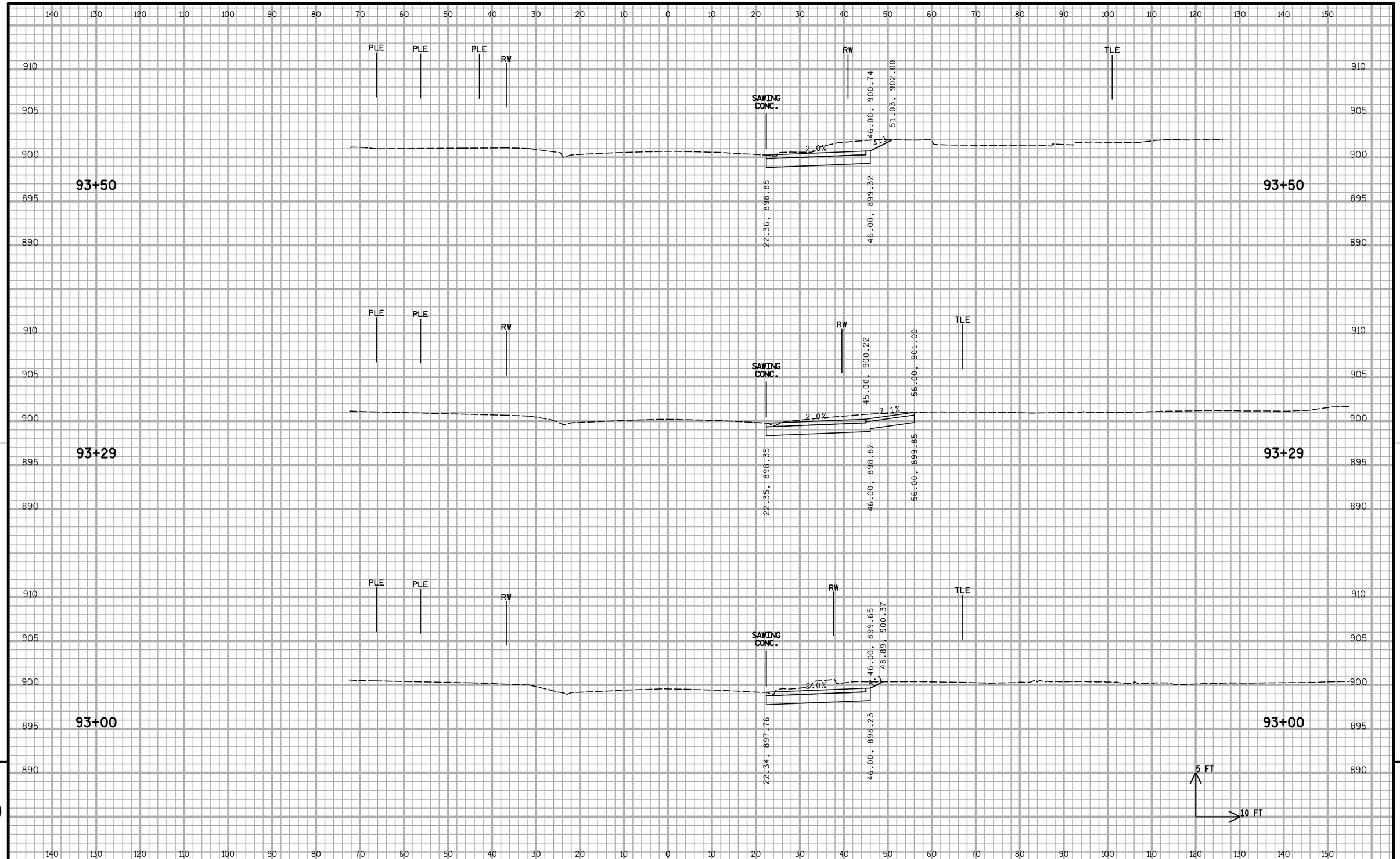
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



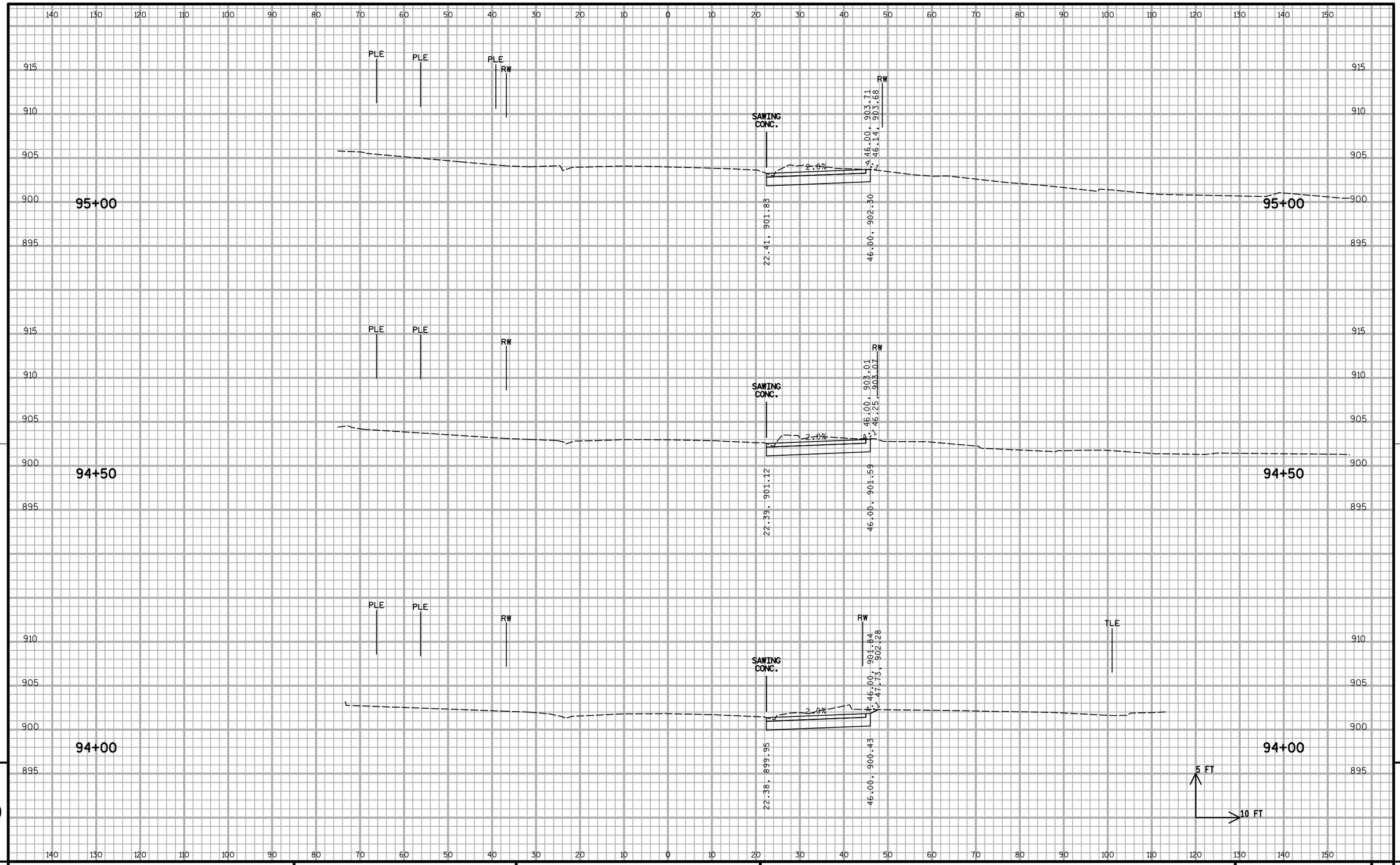
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 619	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



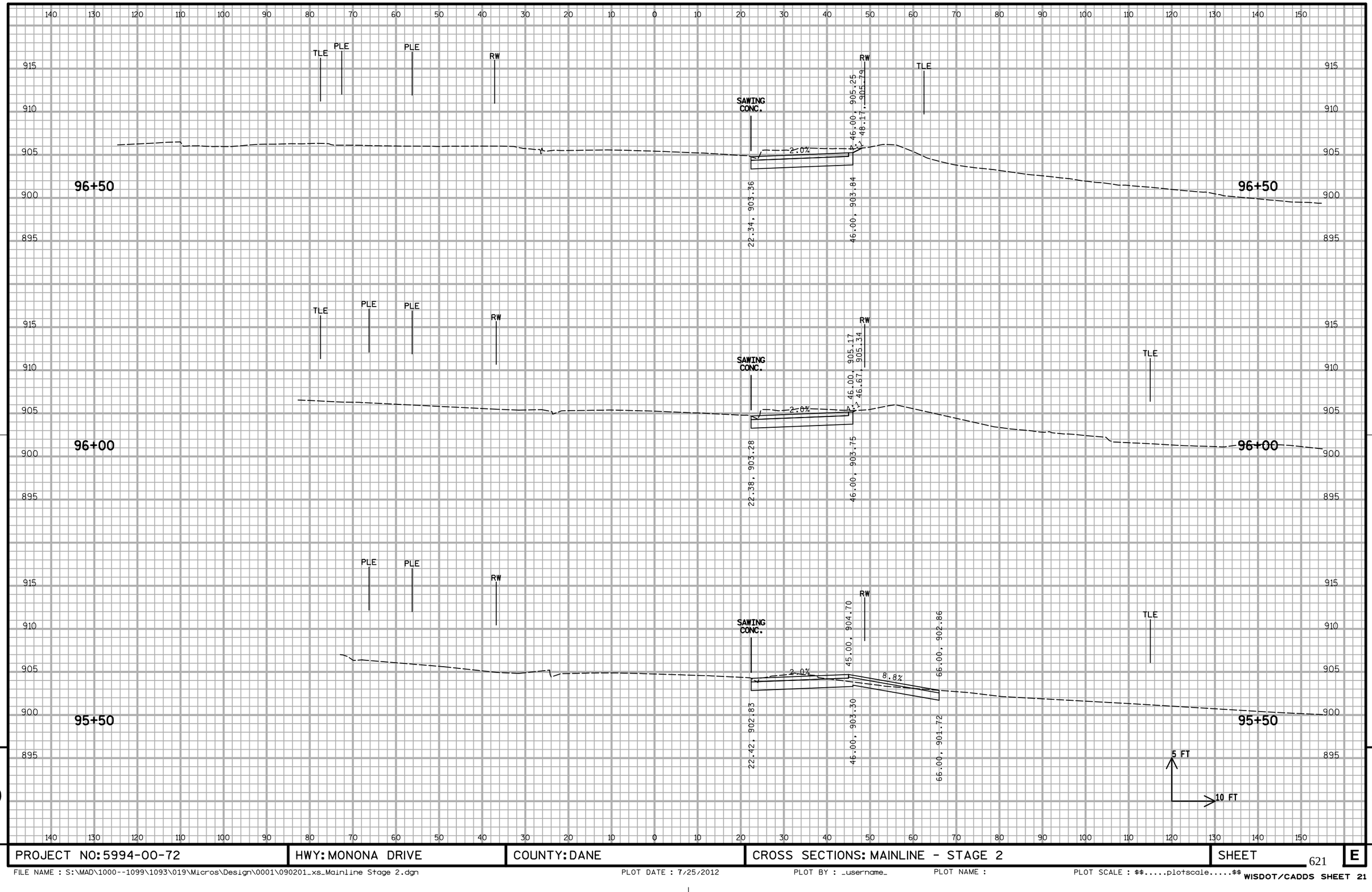
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 620	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



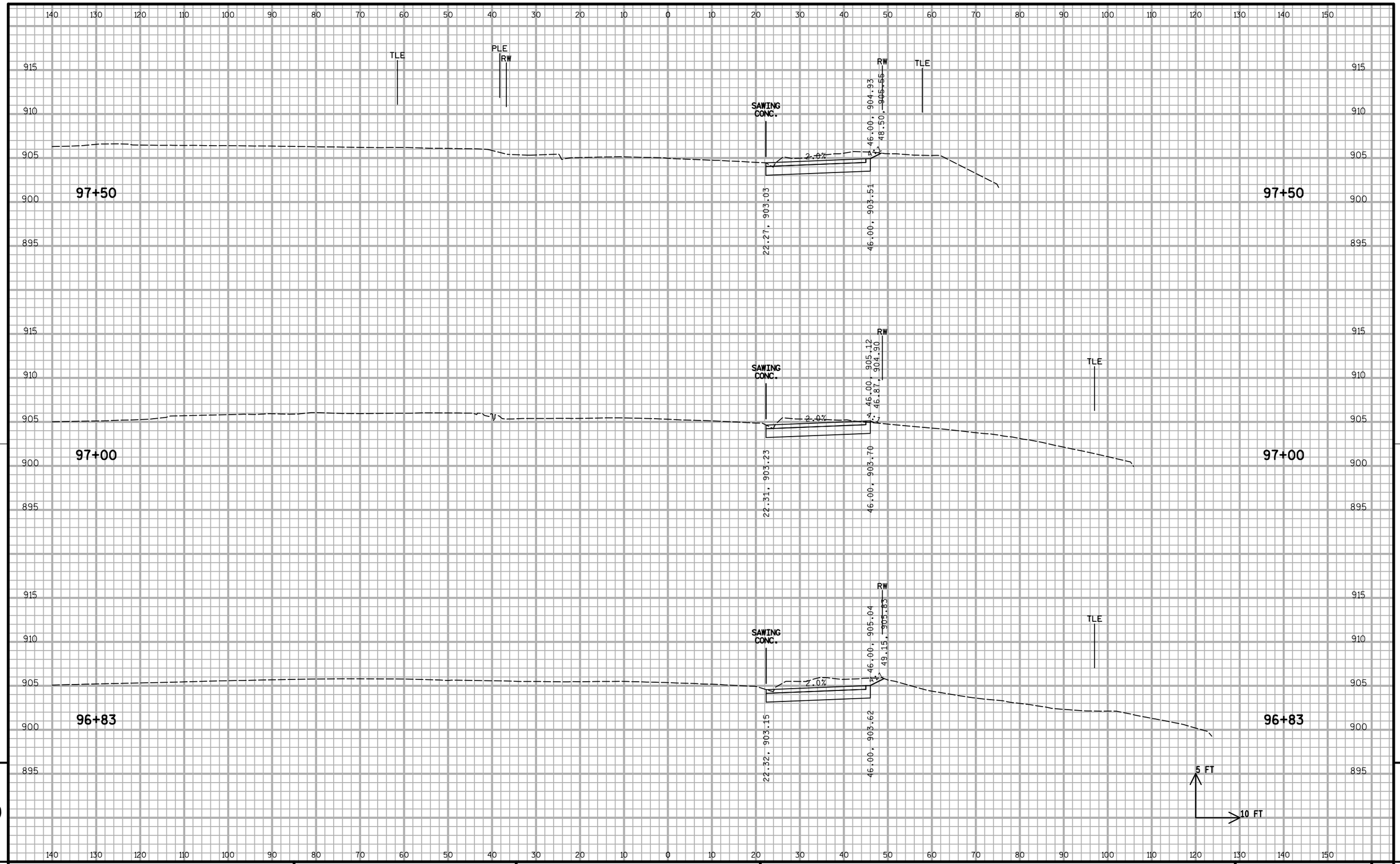
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

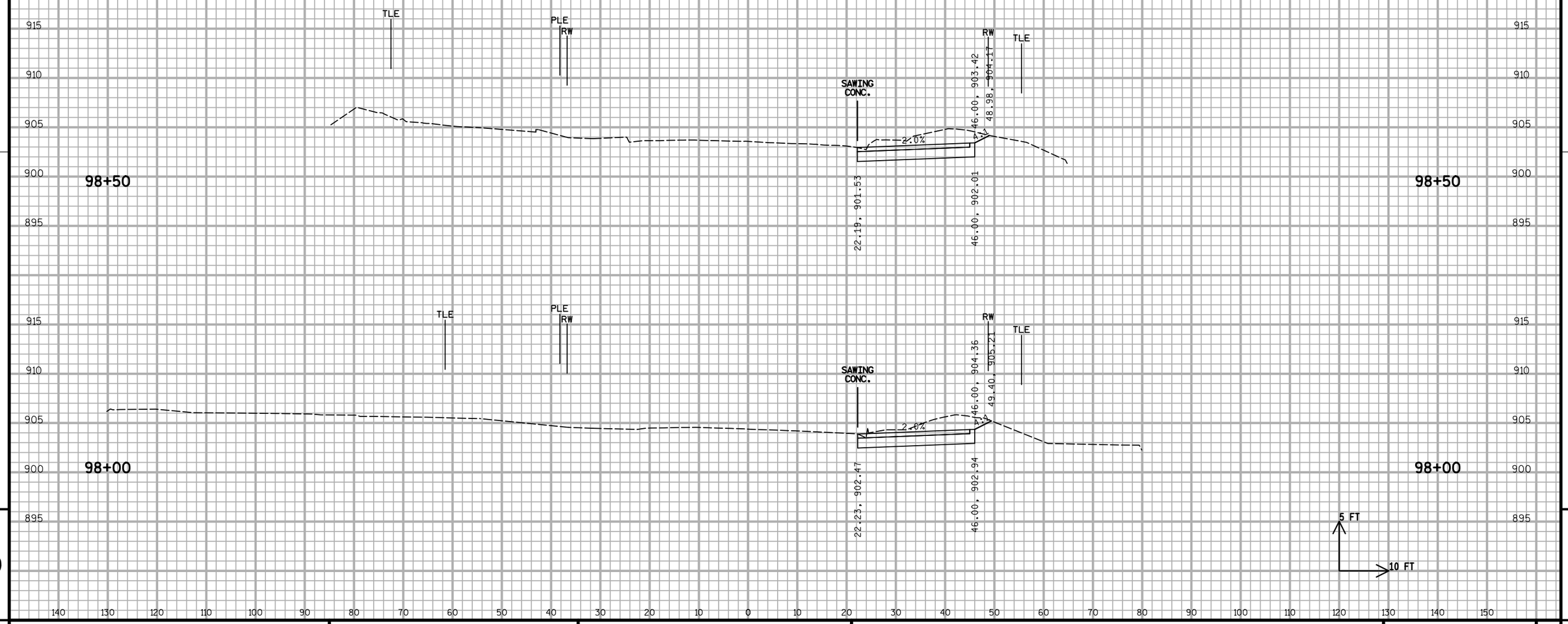


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 622	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



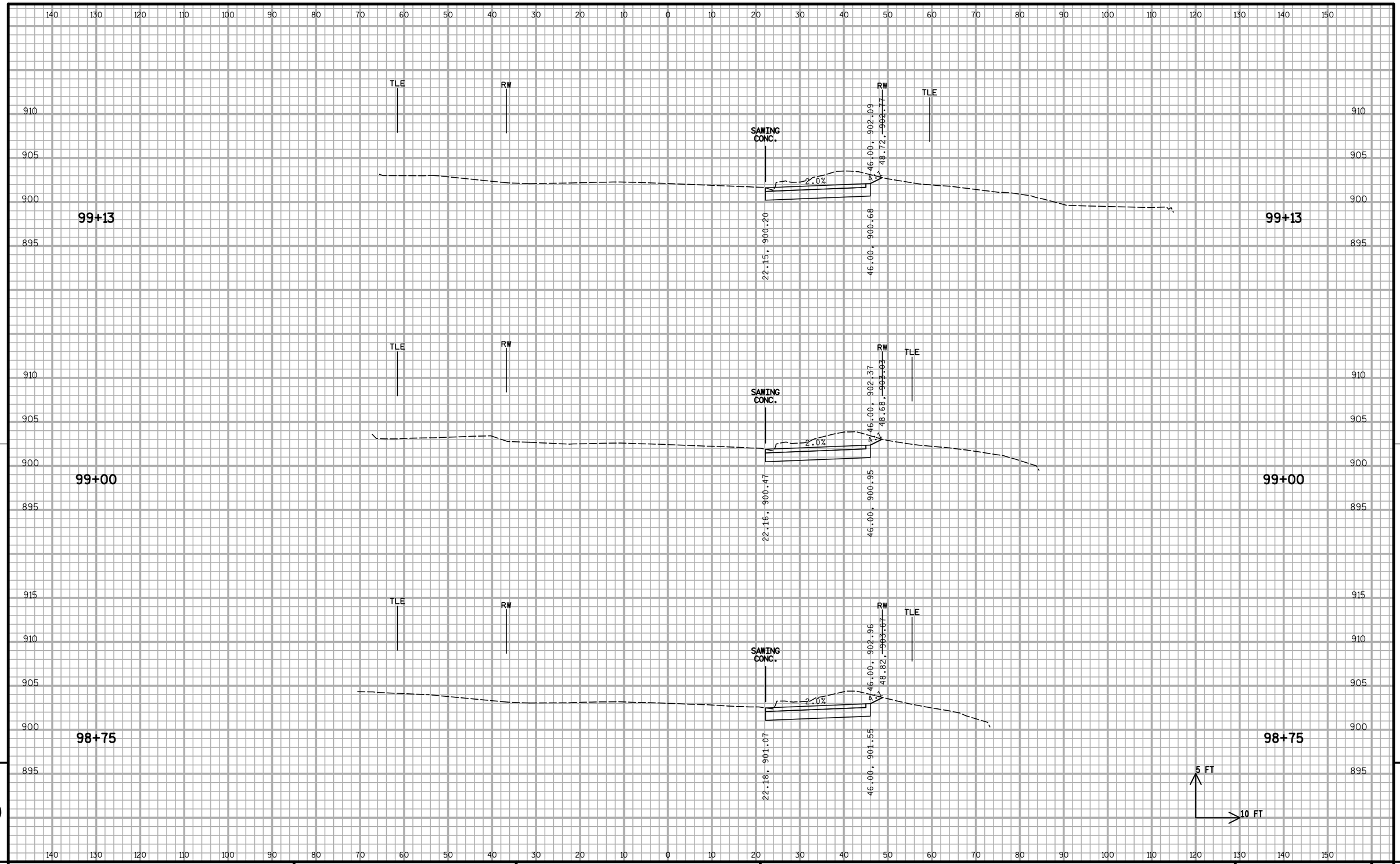
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

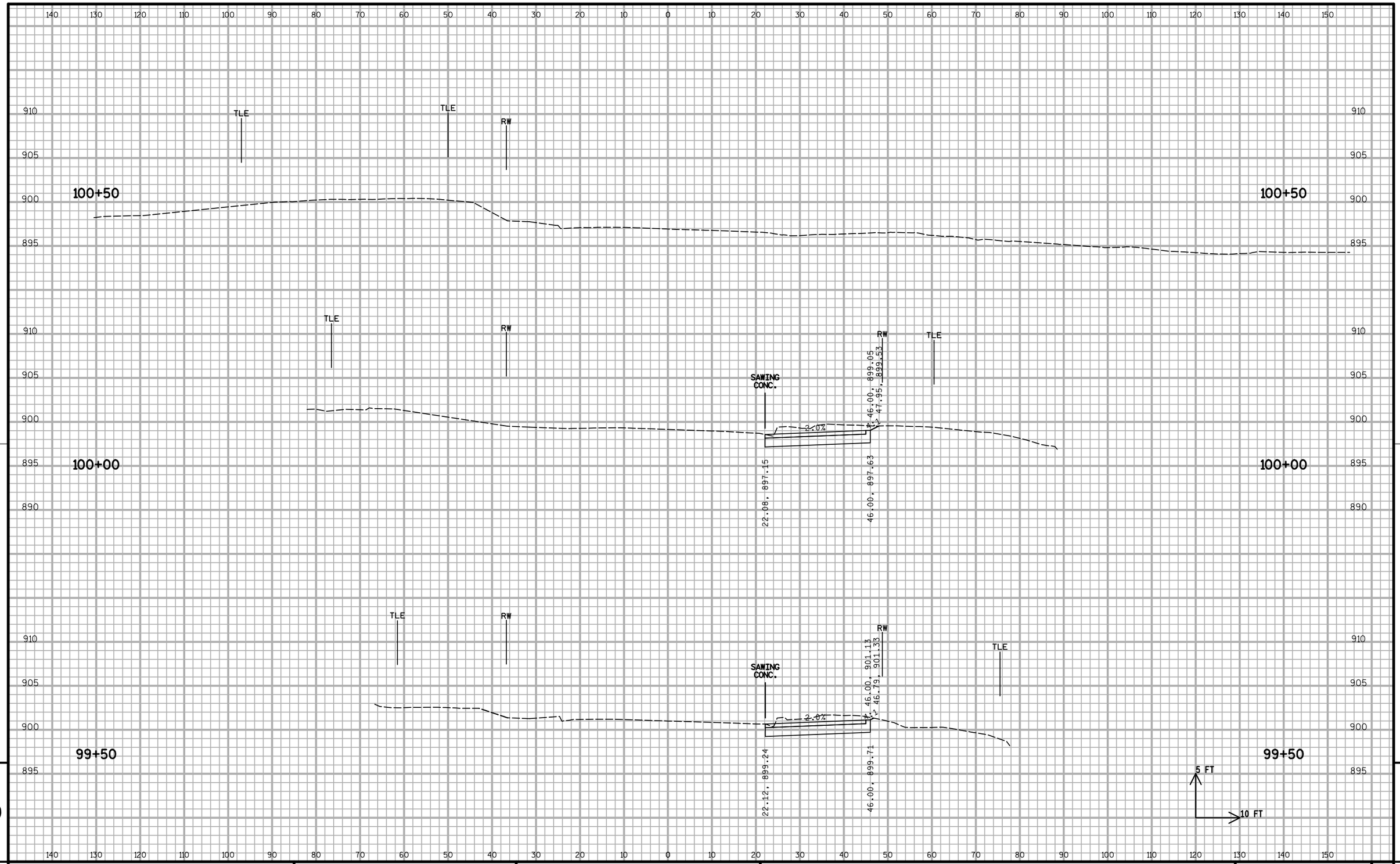


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 624	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 625	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



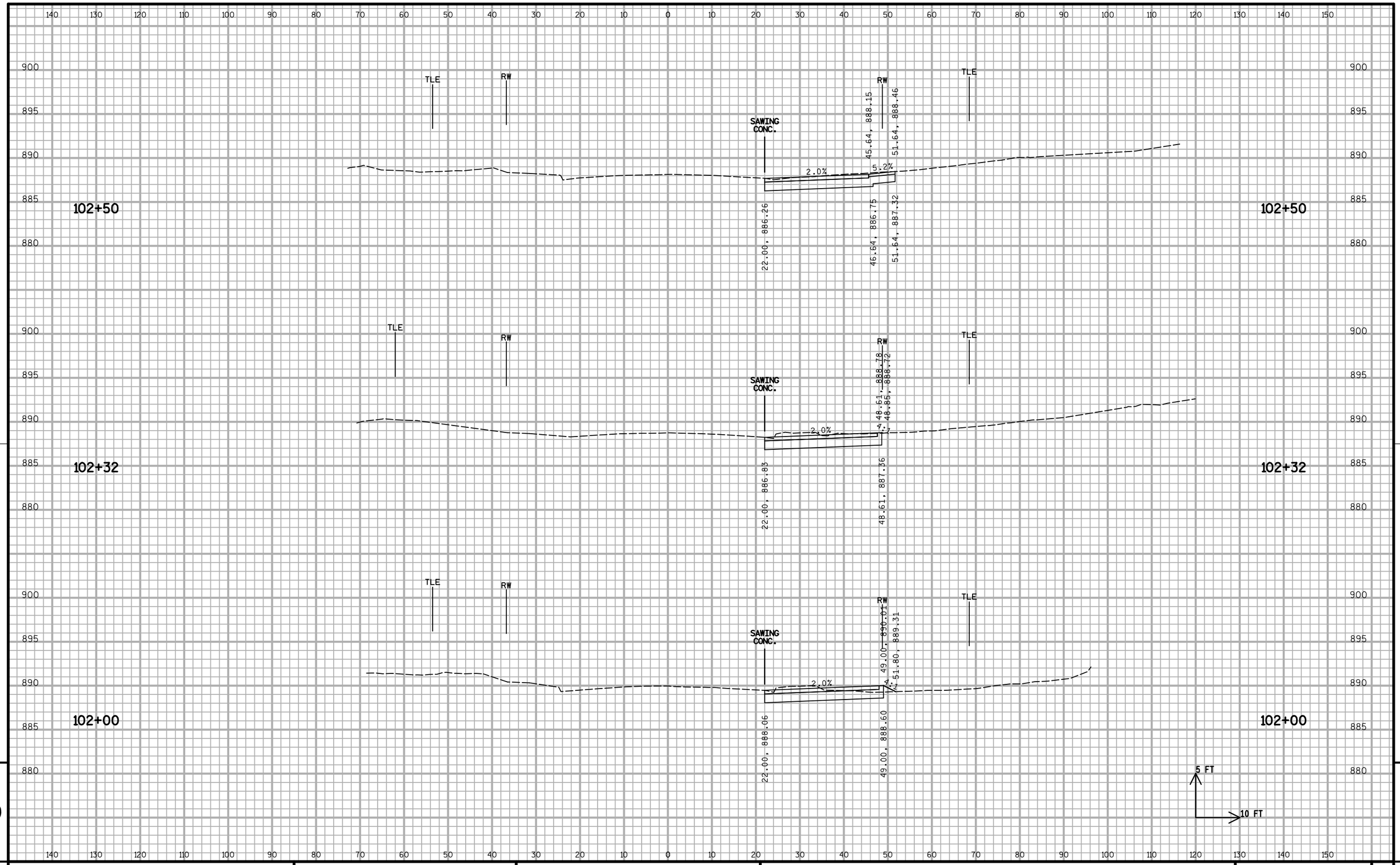
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

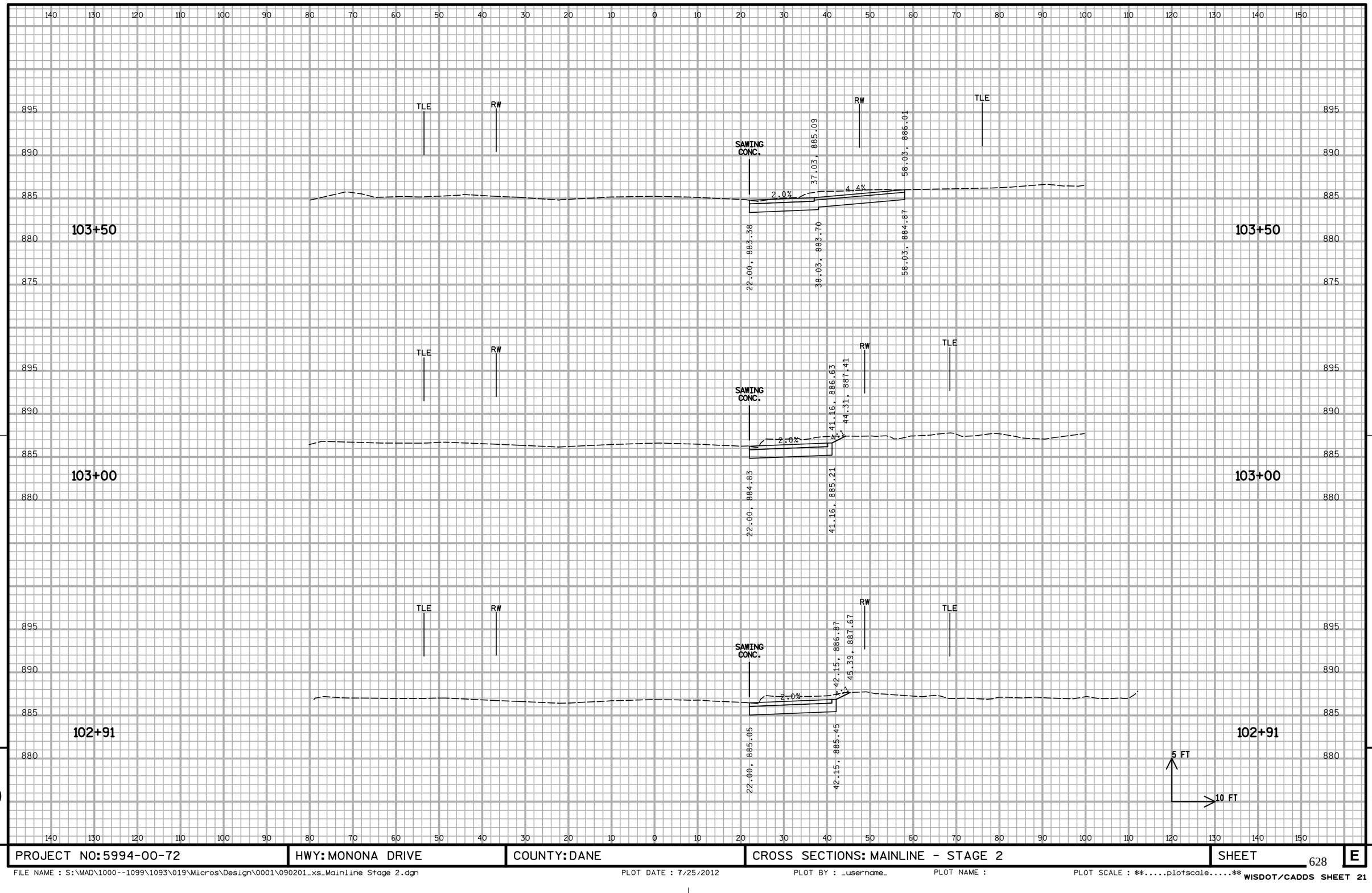


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

895 890 885 880 875

TLE RW SAWING CONC. RW TLE

2.0% 4:1

22.00, 882.08 37.99, 882.40 37.99, 883.82 46.29, 885.89

104+00 104+00

TLE RW SAWING CONC. RW TLE

2.0% 4:1

22.00, 882.58 38.00, 882.90 38.00, 884.32 46.08, 886.34

103+82 103+82

TLE RW SAWING CONC. RW TLE

2.0% 6.2%

22.00, 883.12 38.02, 883.44 37.02, 884.84 58.02, 884.99 58.02, 886.13

103+59 103+59

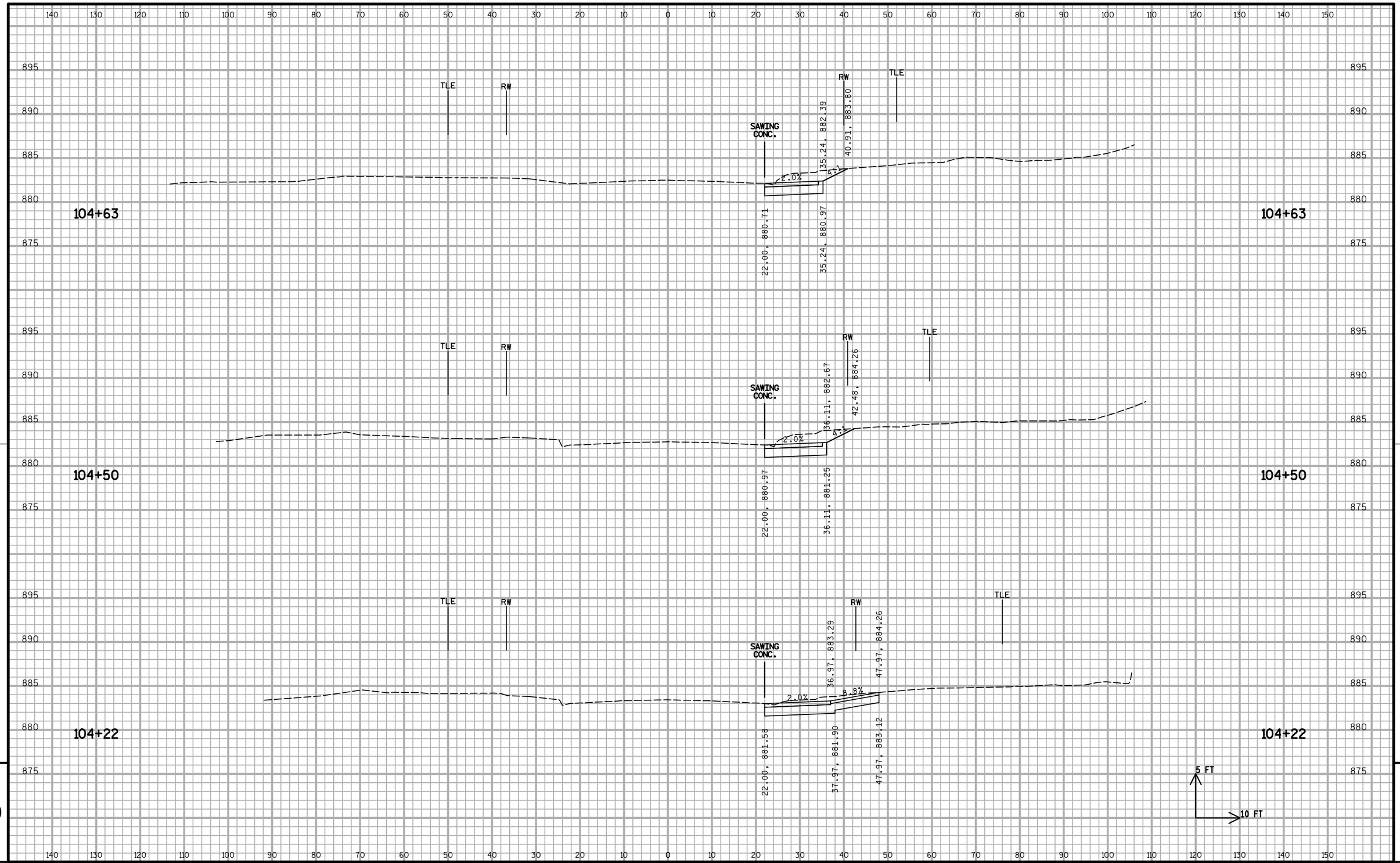
5 FT

10 FT

9 9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



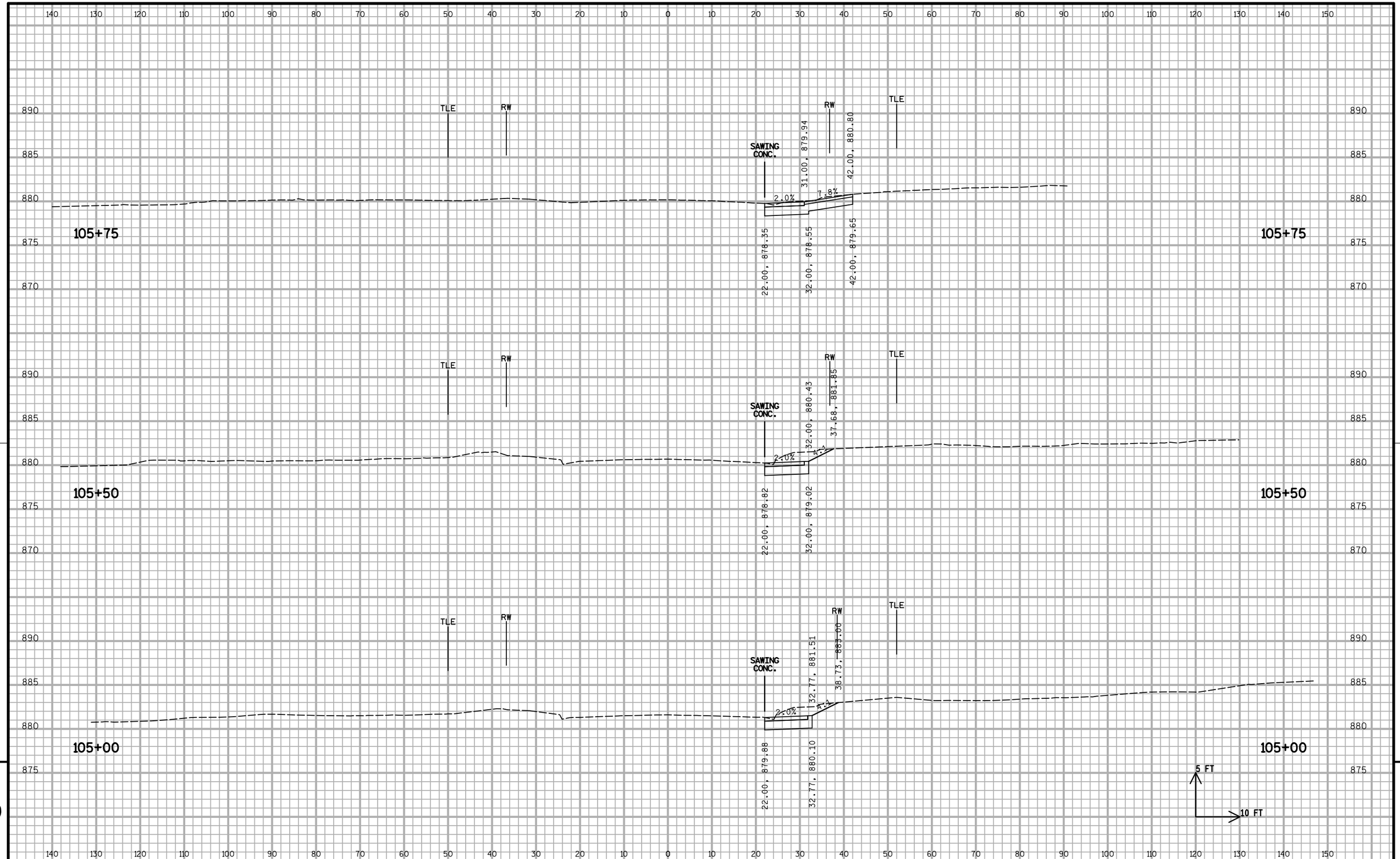
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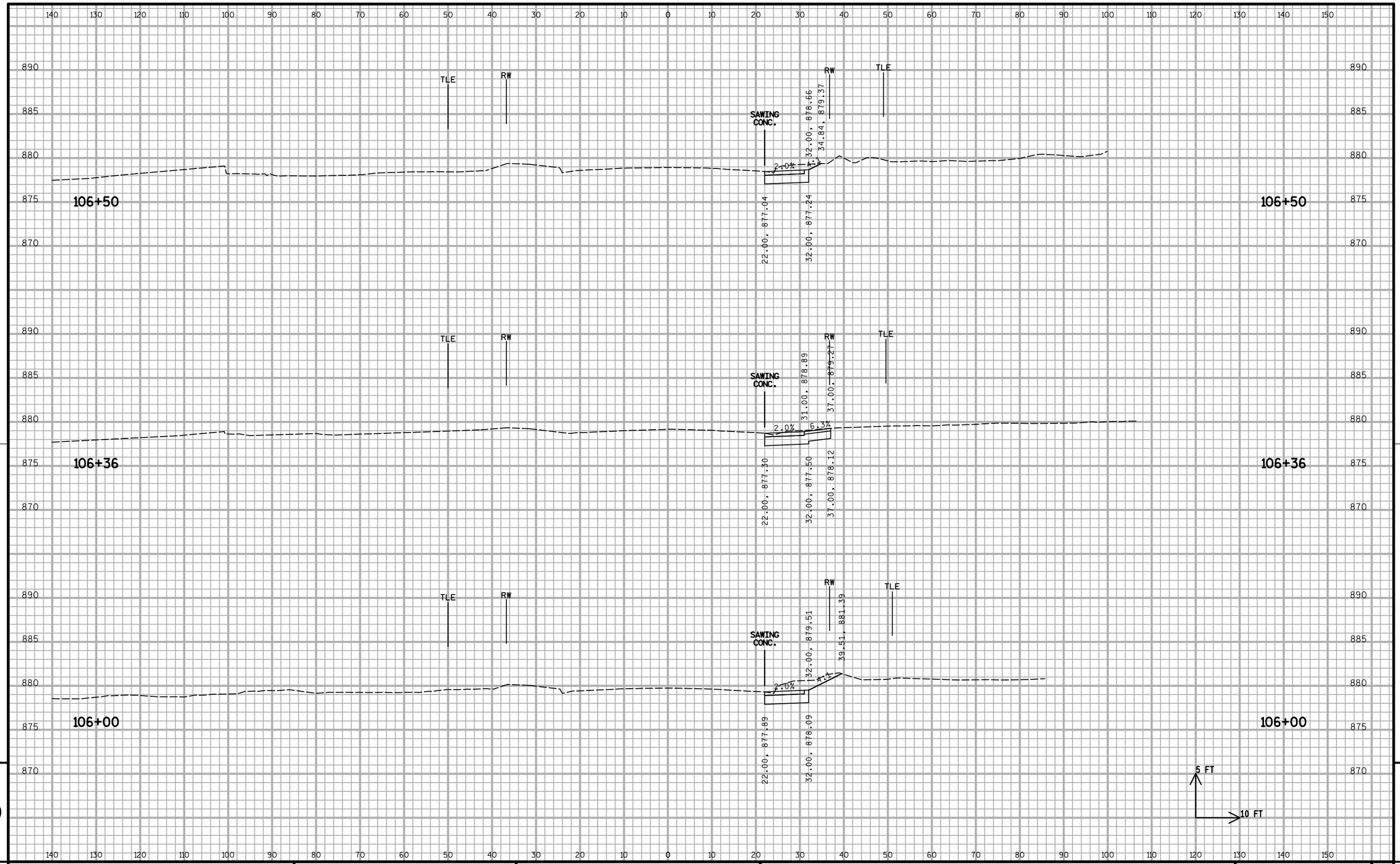
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



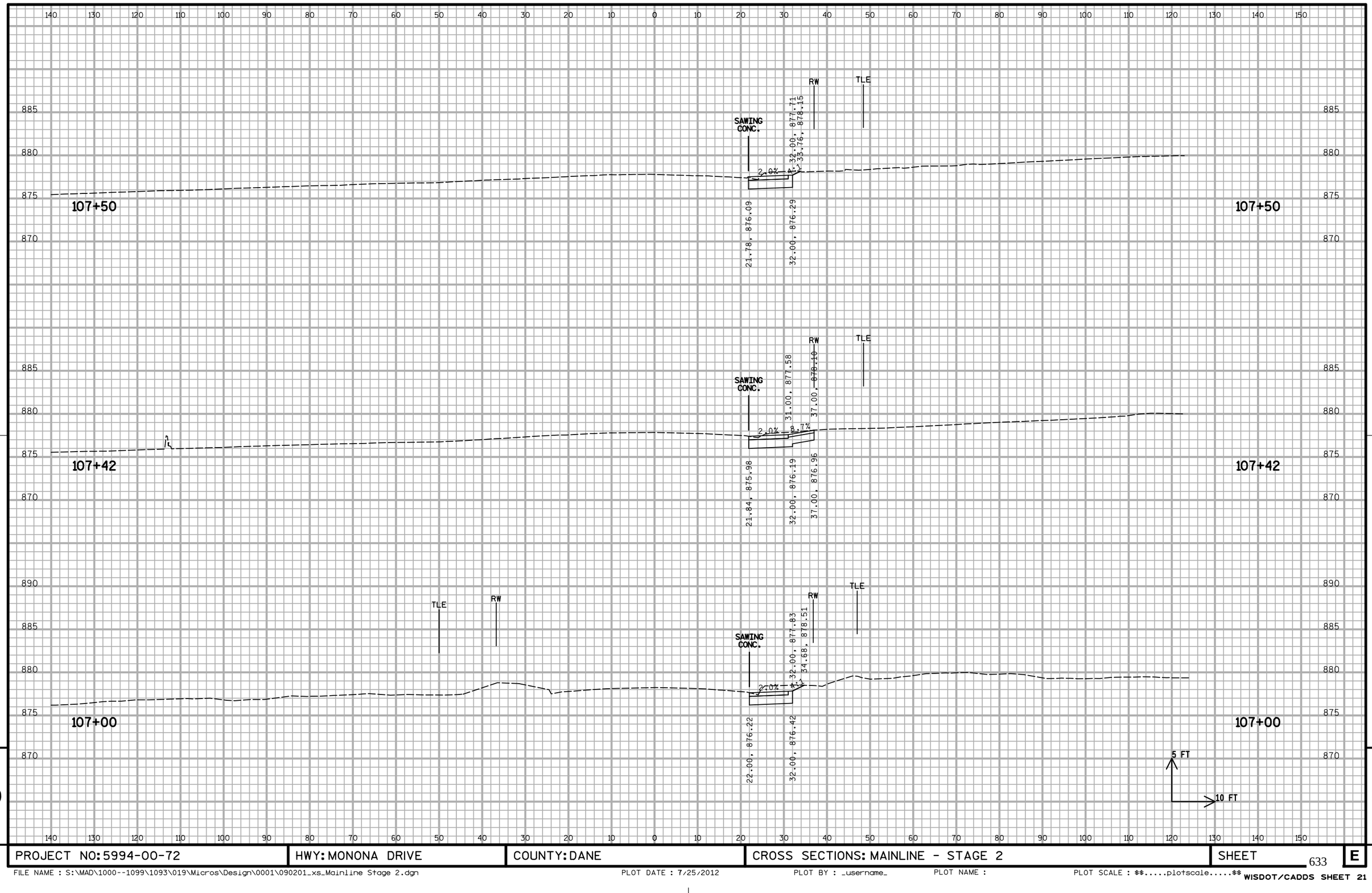
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 631	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

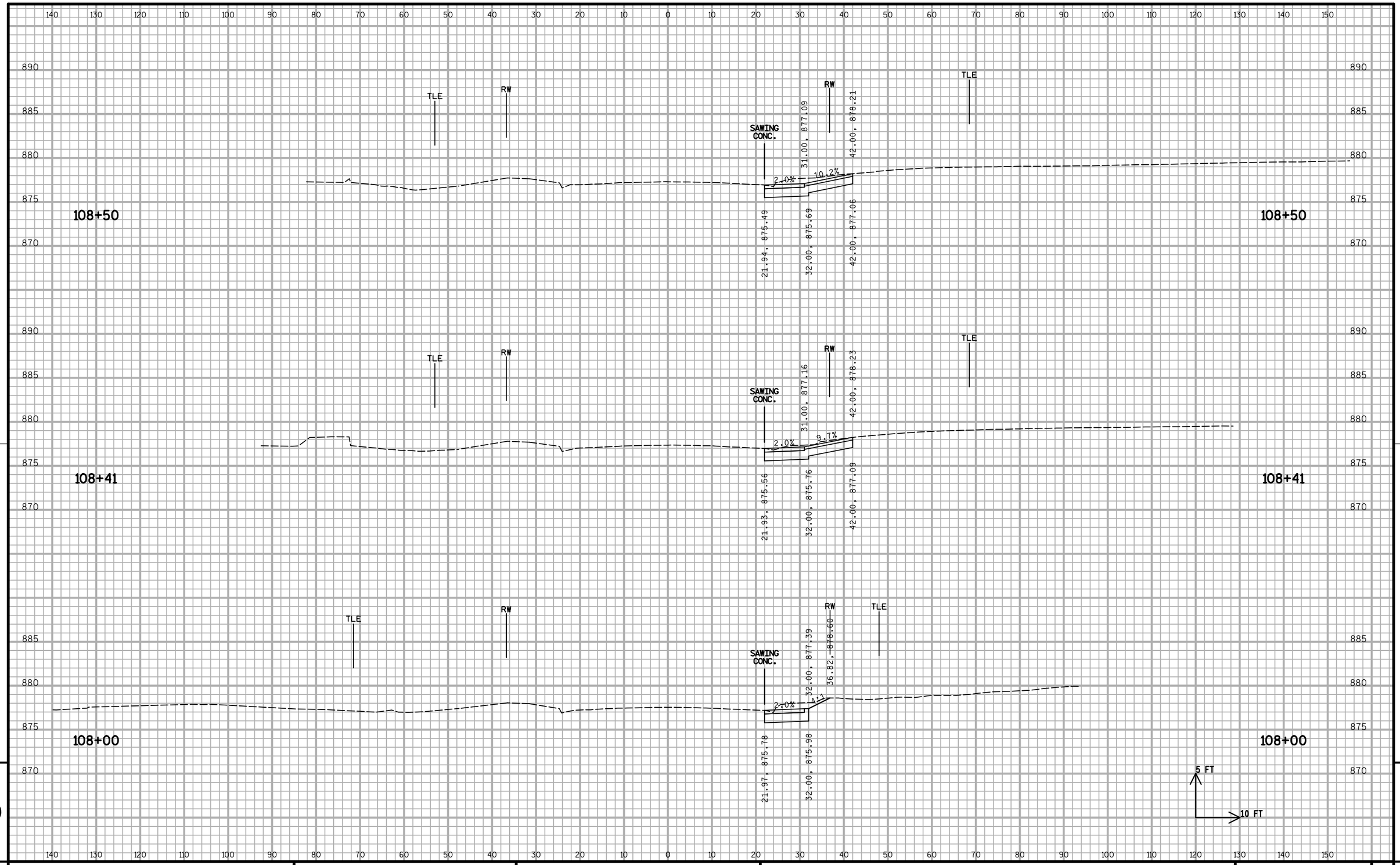
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WISDOT/CADDS SHEET 21



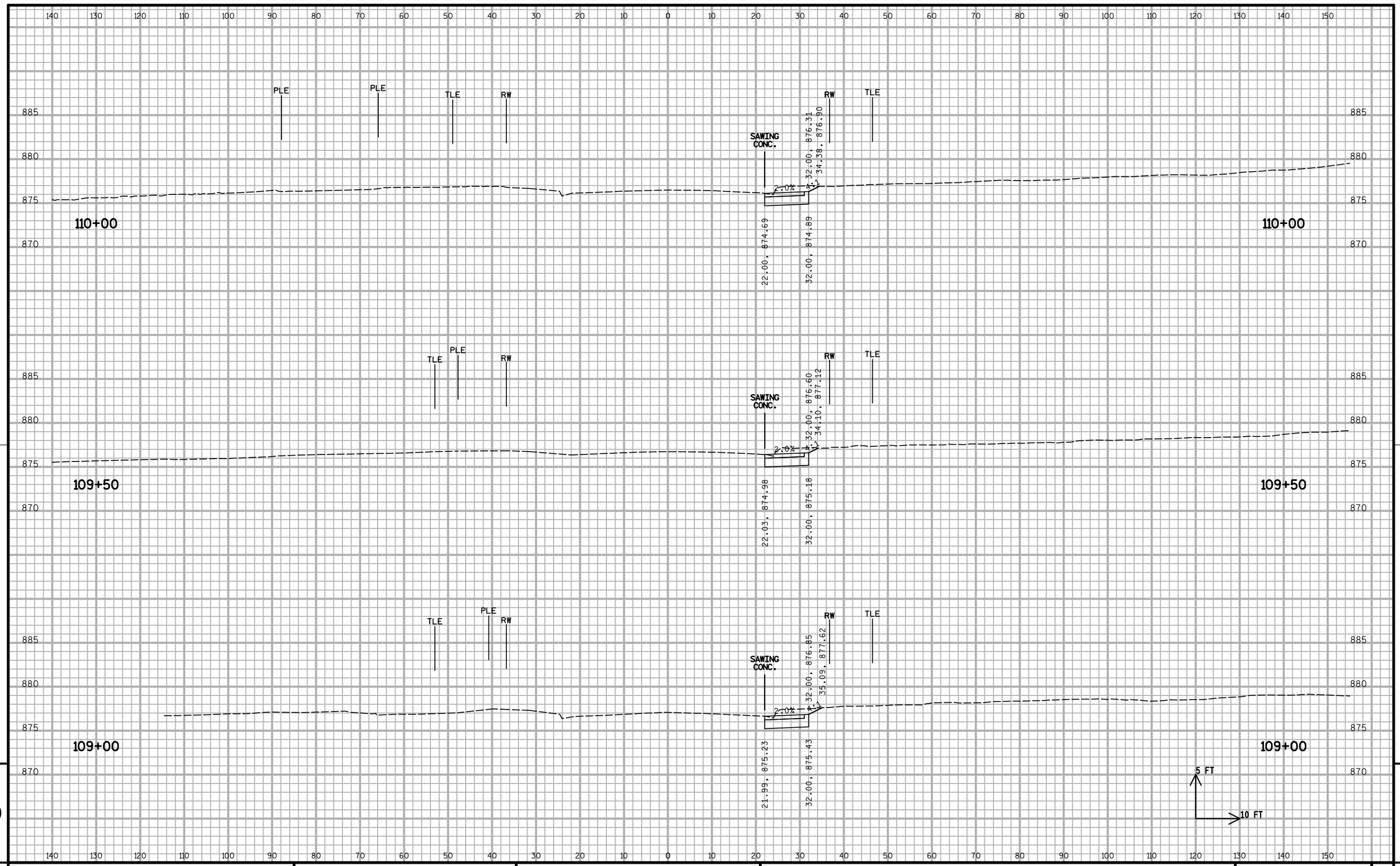
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 633	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 634	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

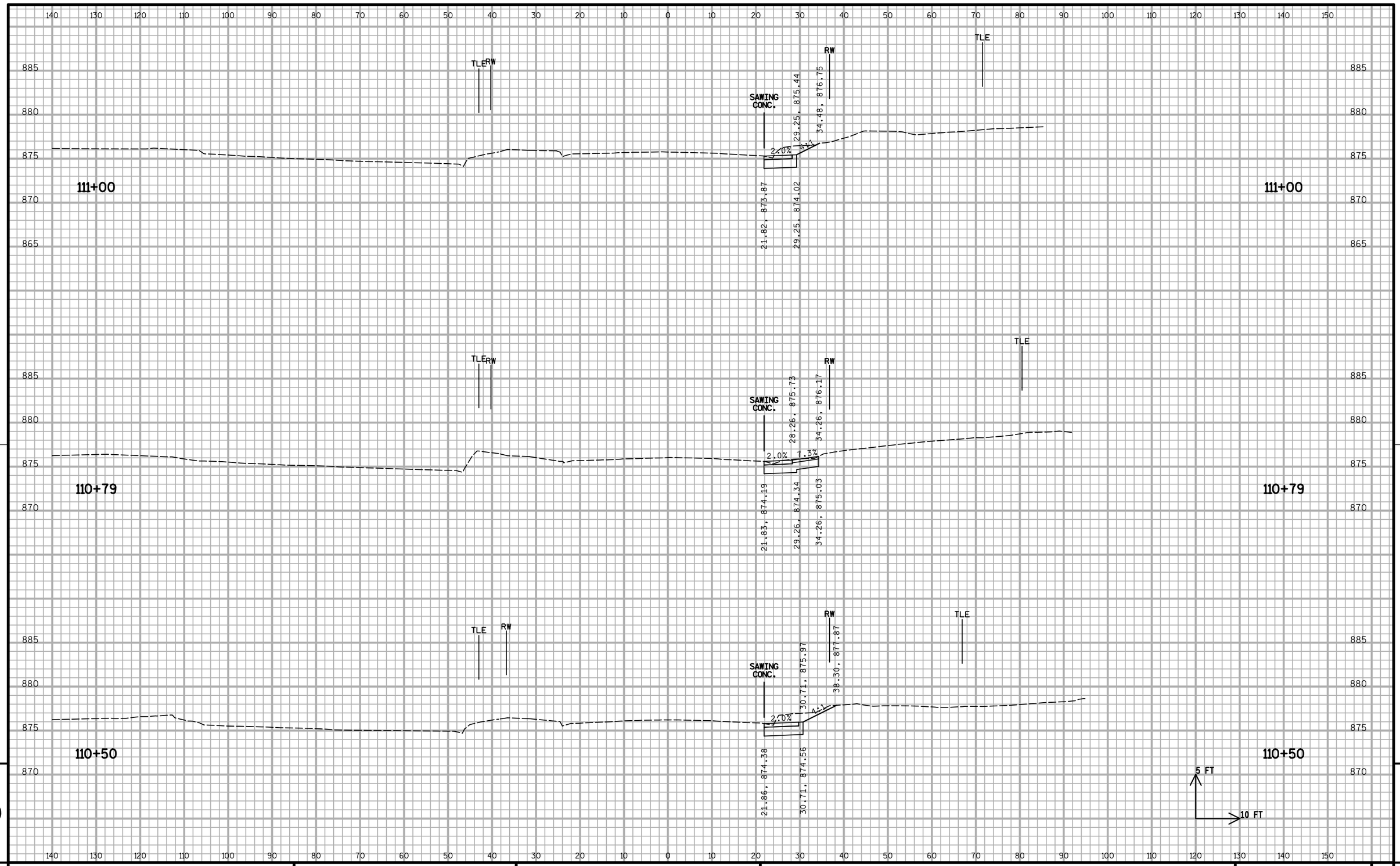


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 2.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

112+50

112+00

875

111+50

875

885

111+23

880

875

885

880

875

111+18

870

865

TLE RW

RW

TLE

TLE RW

RW

TLE

SAWING CONC.

2.0%

21.78, 873.67

27.29, 873.78

27.29, 875.20

31.50, 876.25

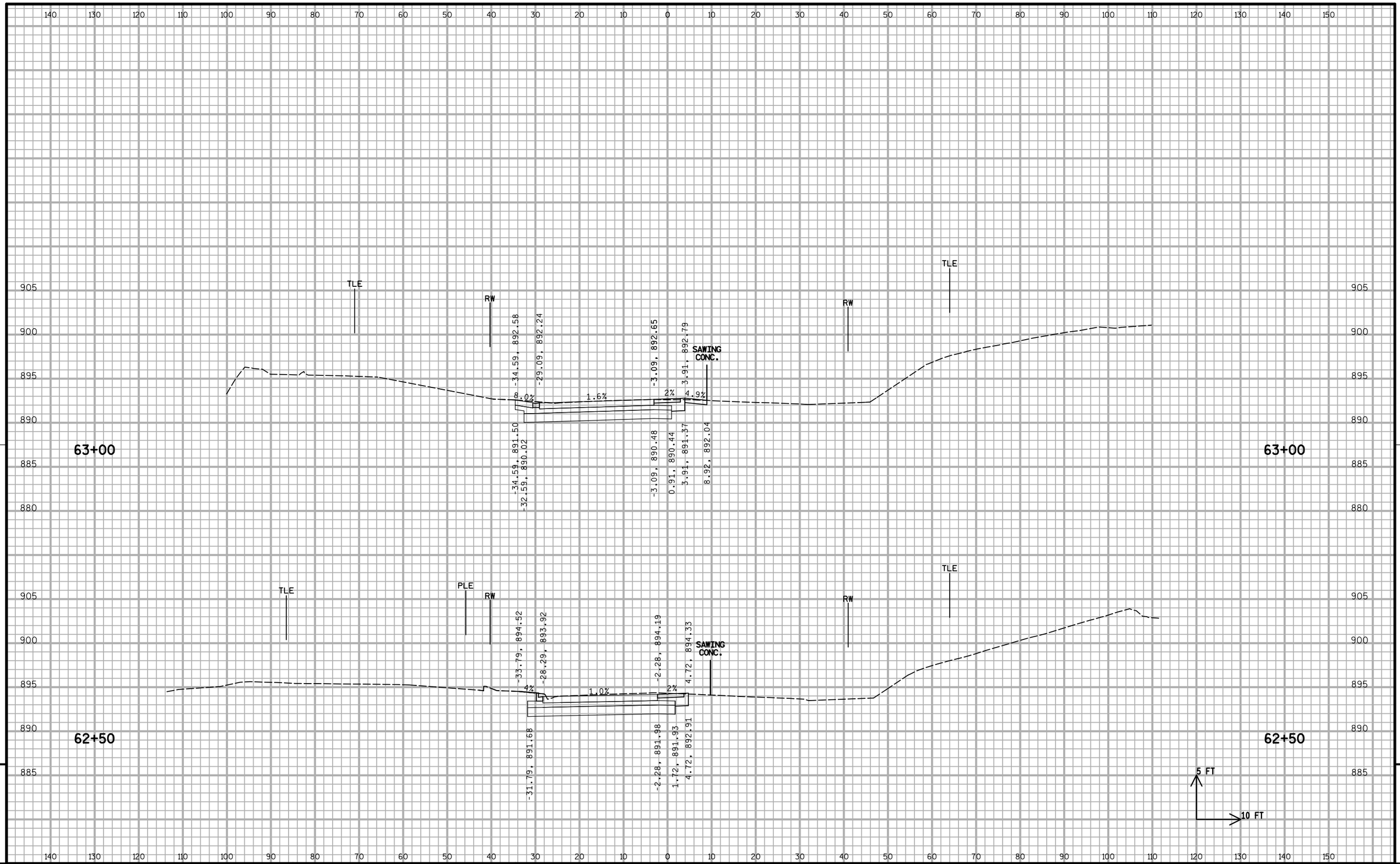
5 FT

10 FT

9

9

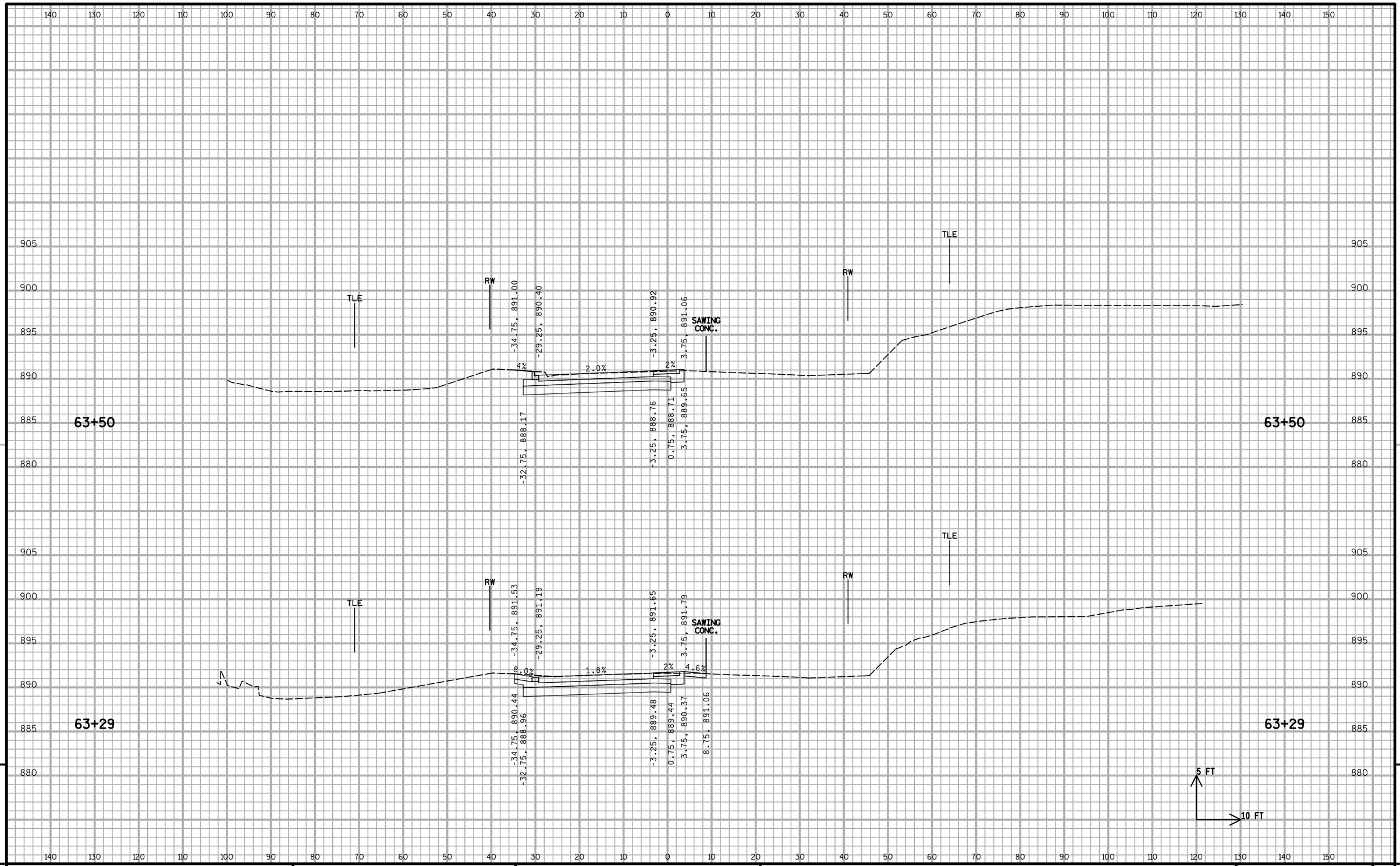
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 2	SHEET 637	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



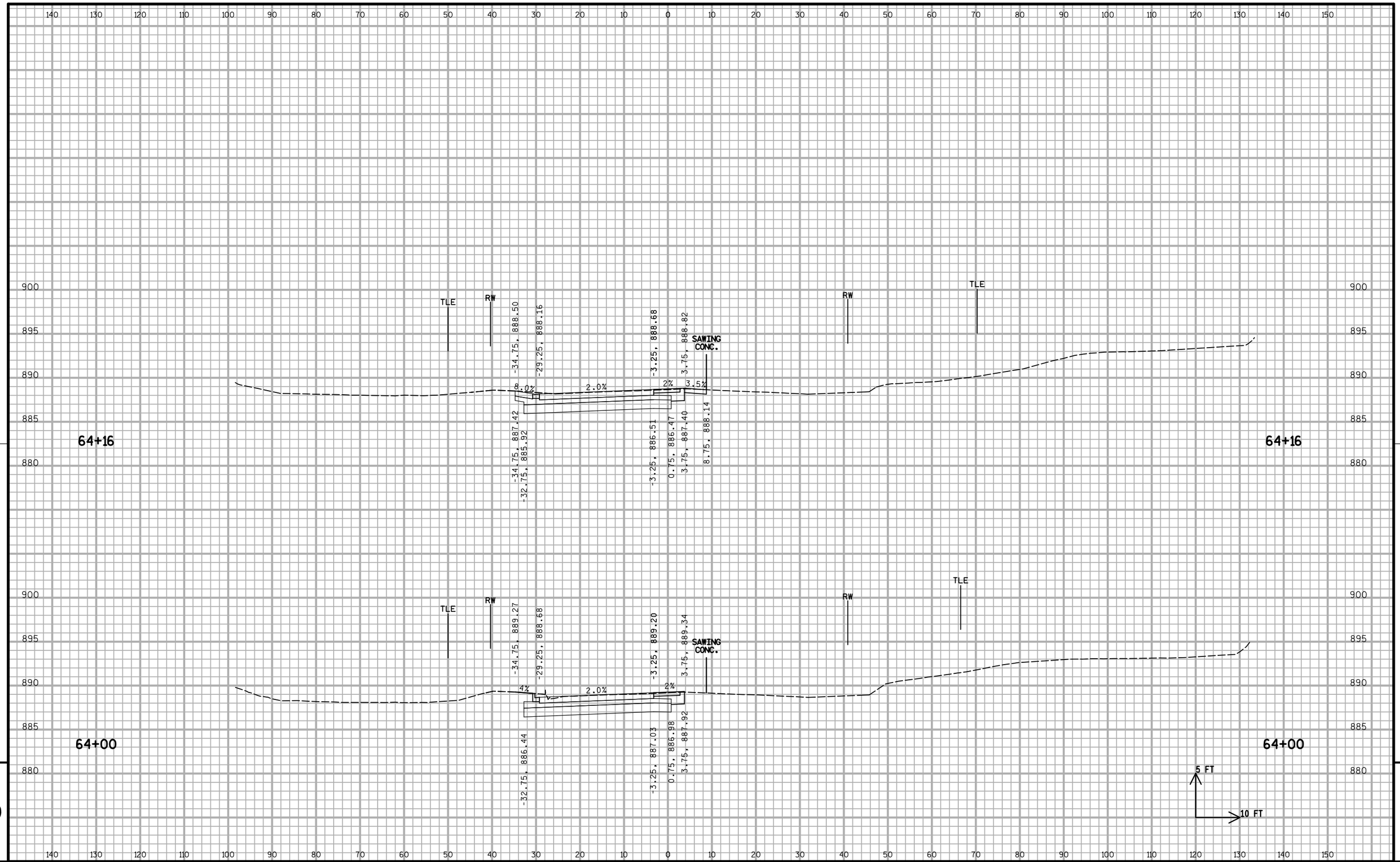
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 639	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

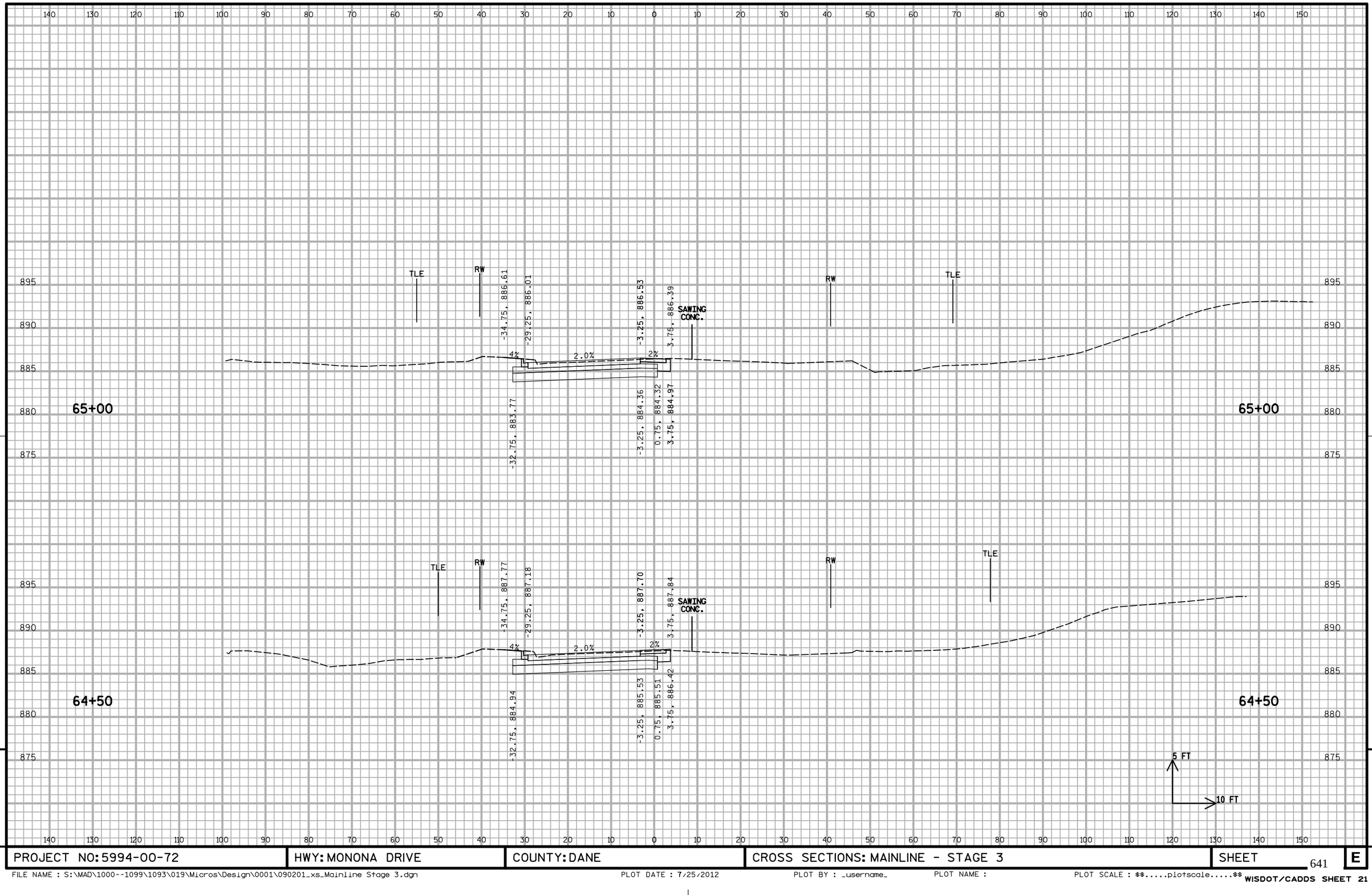
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



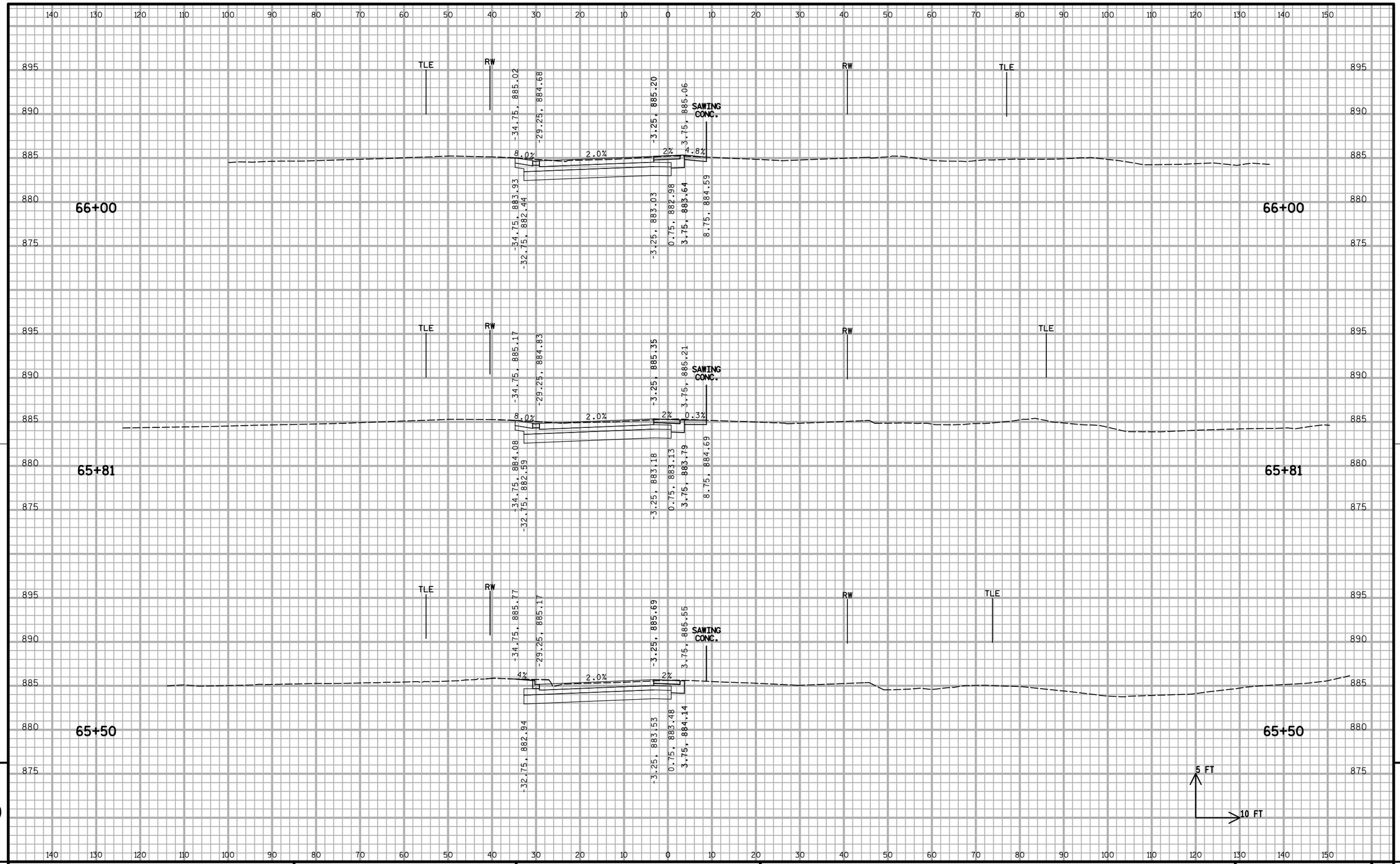
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

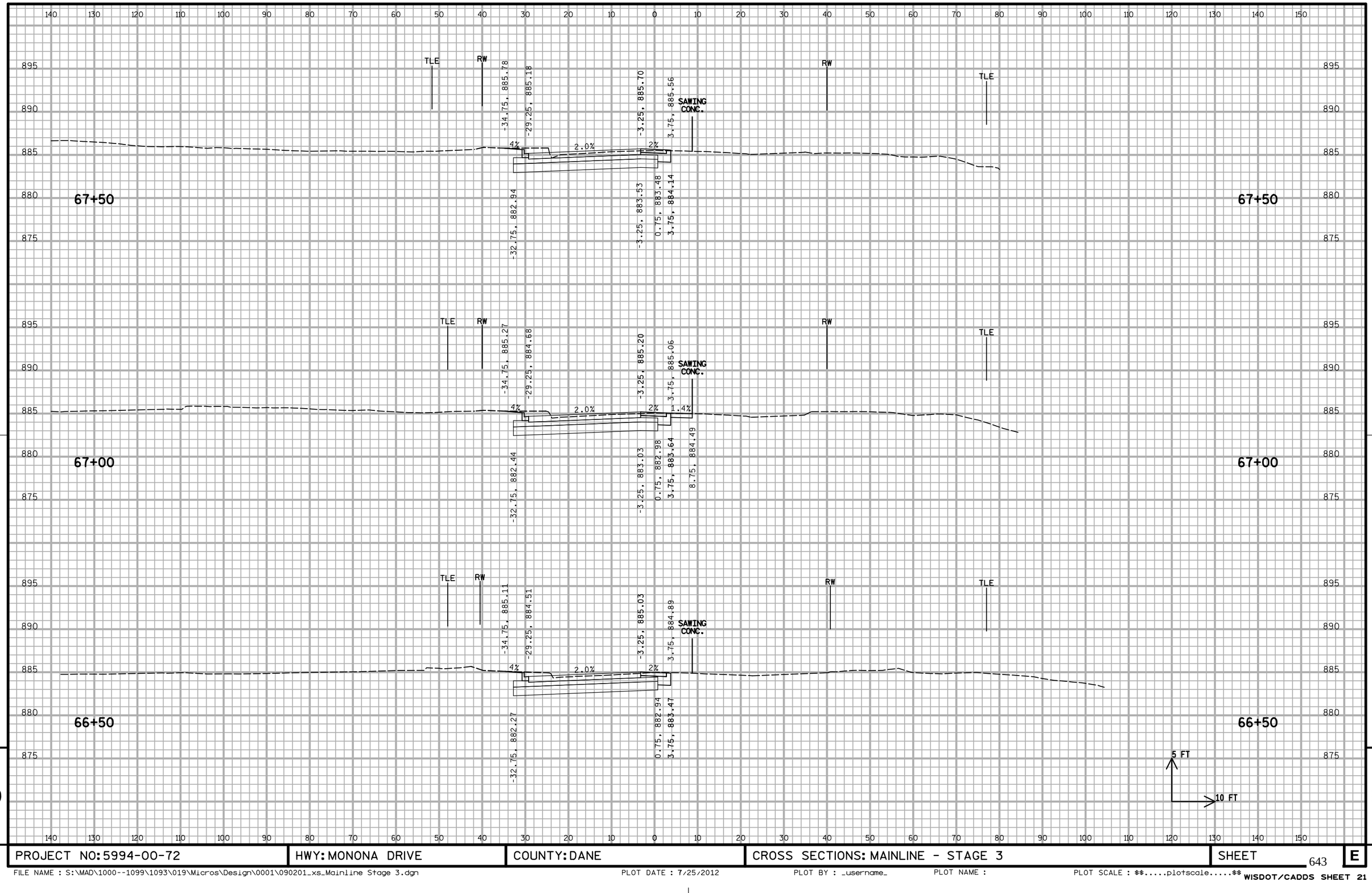


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 642	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



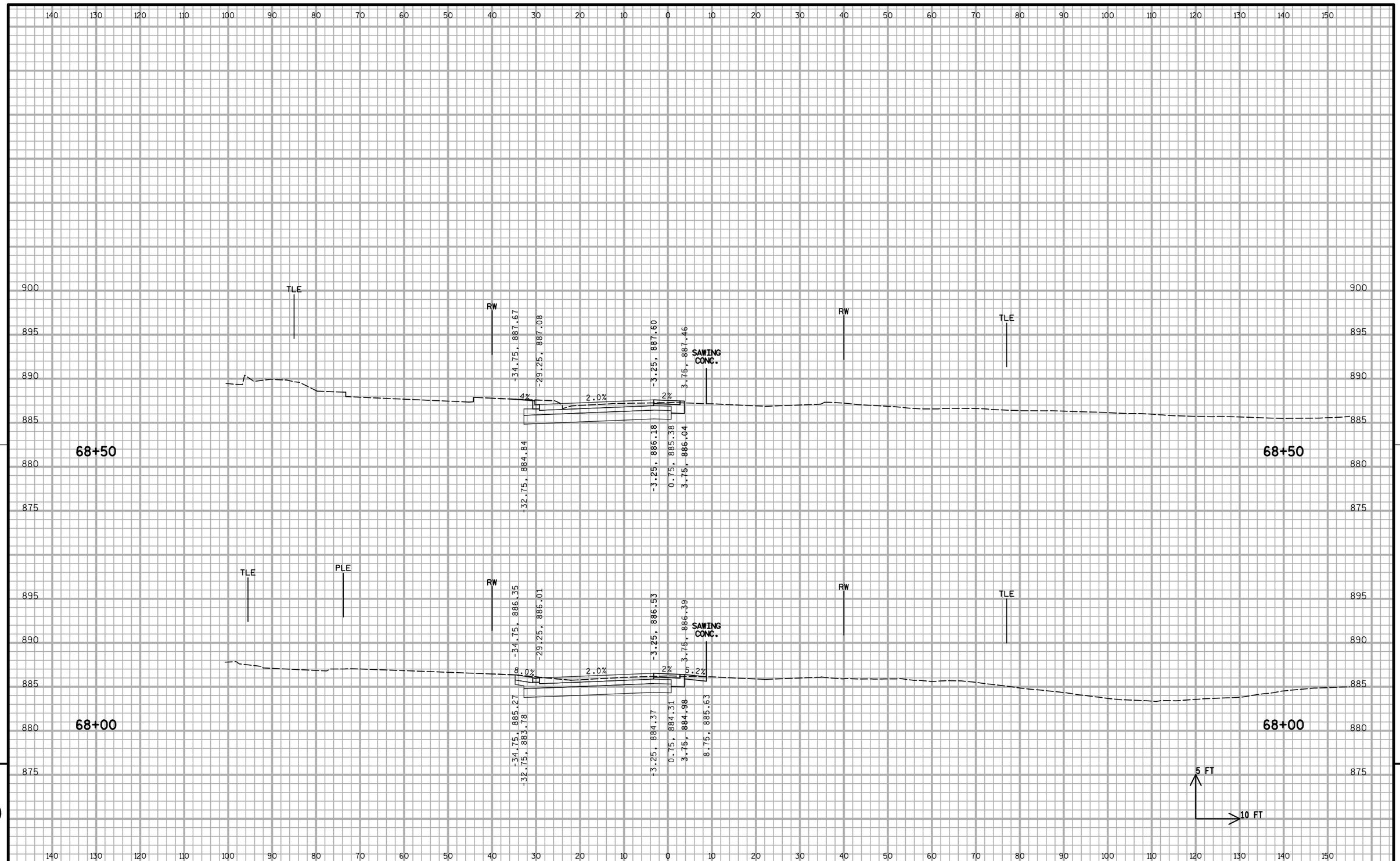
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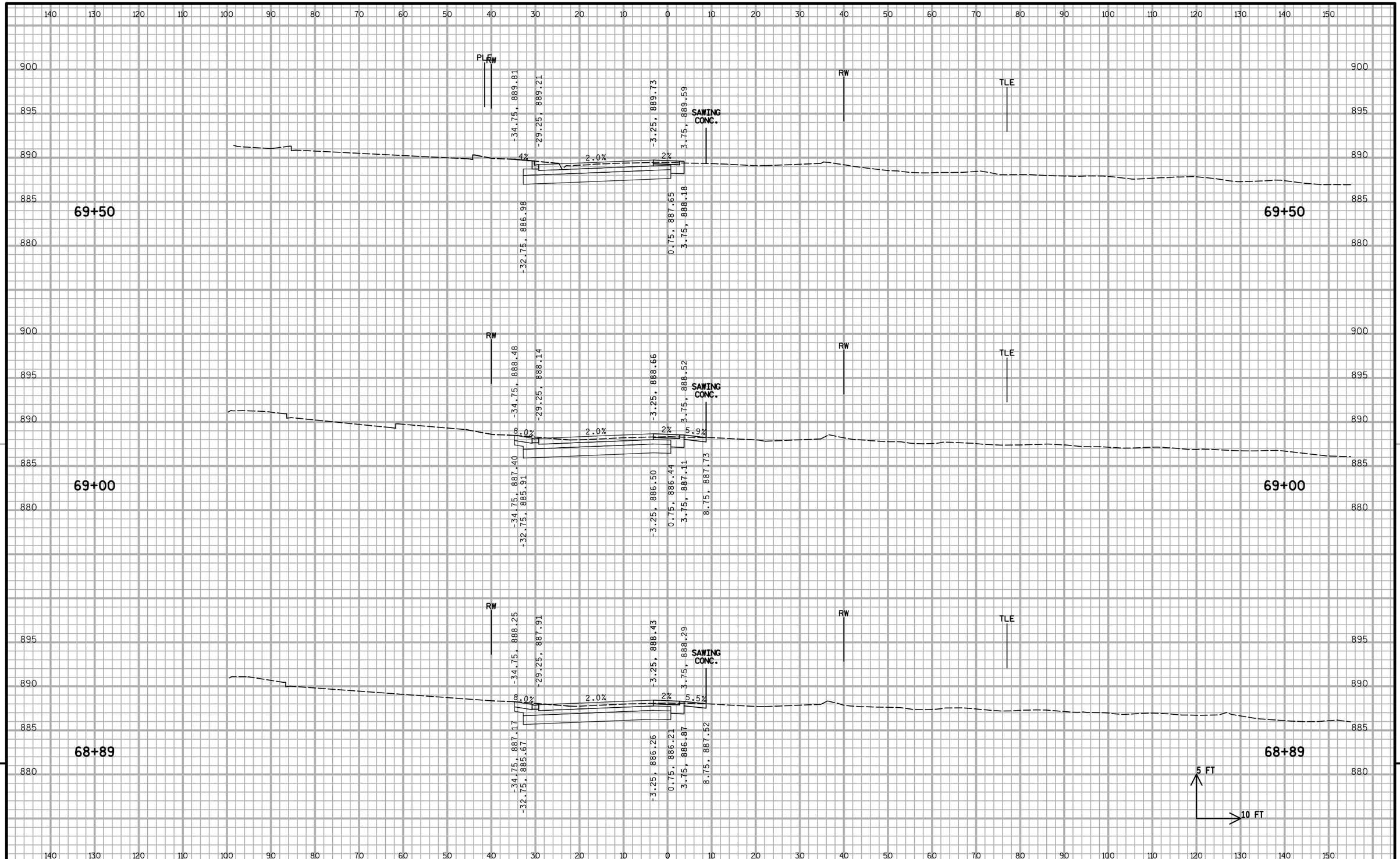
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

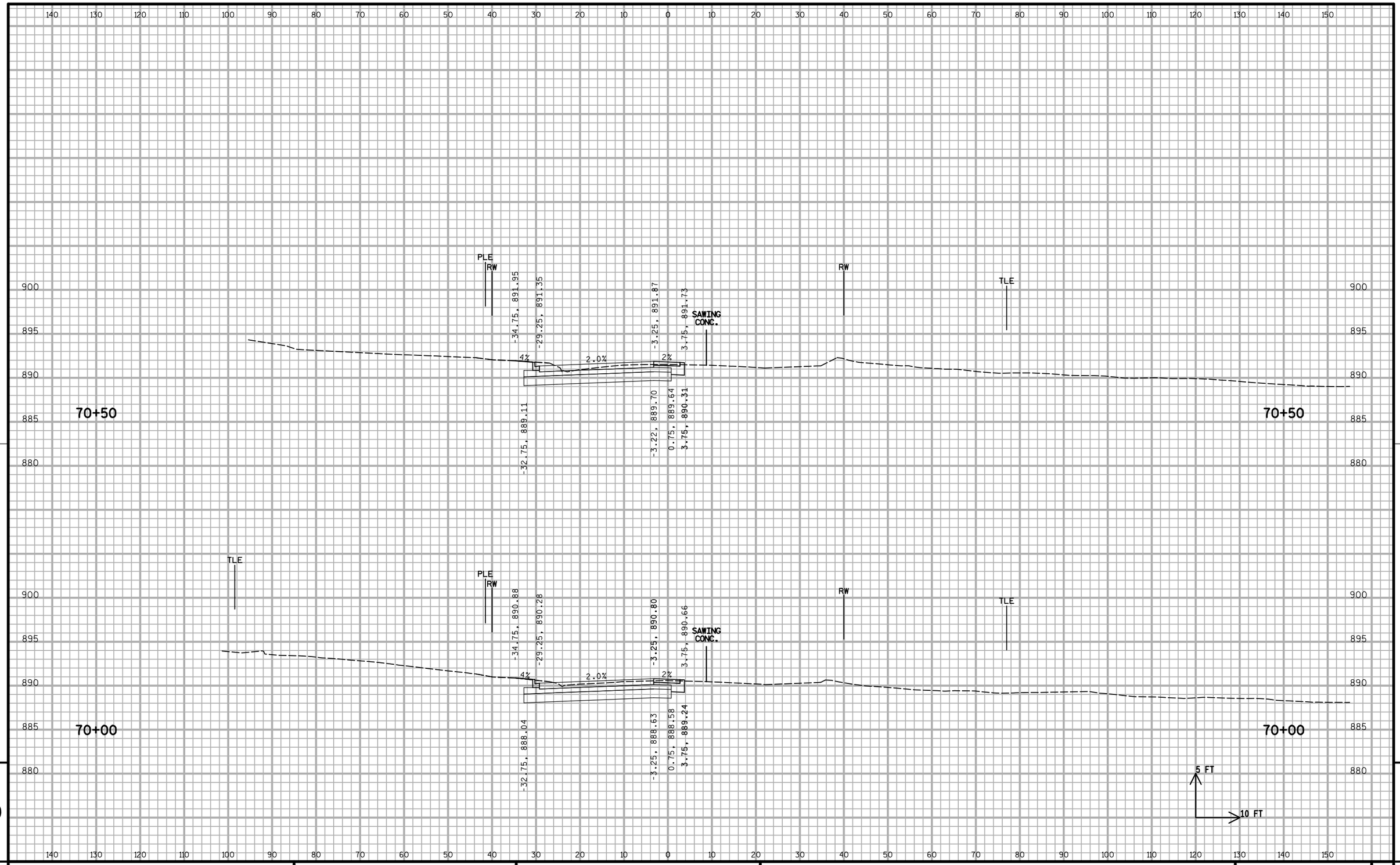


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 644	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



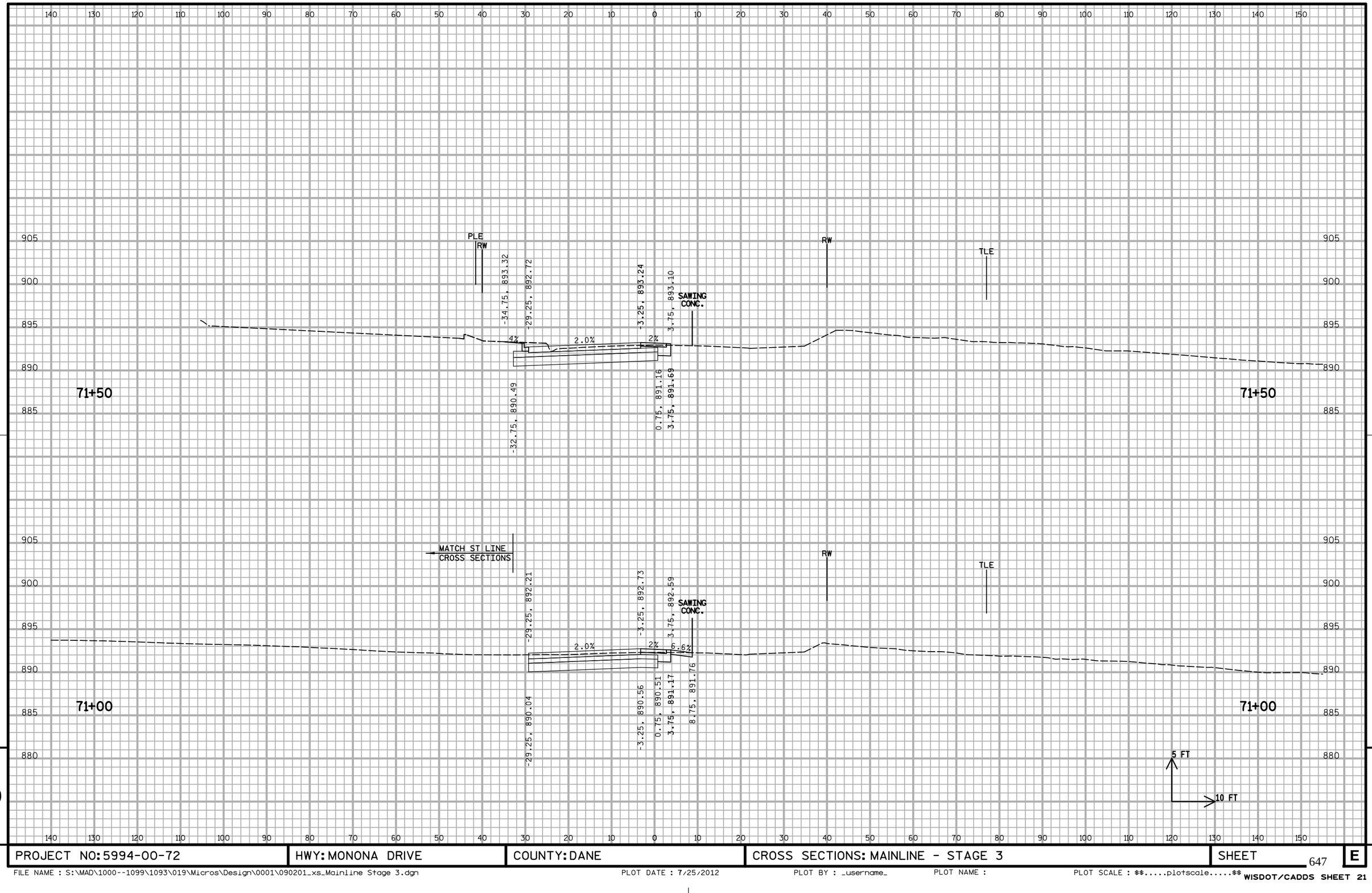
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 646	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



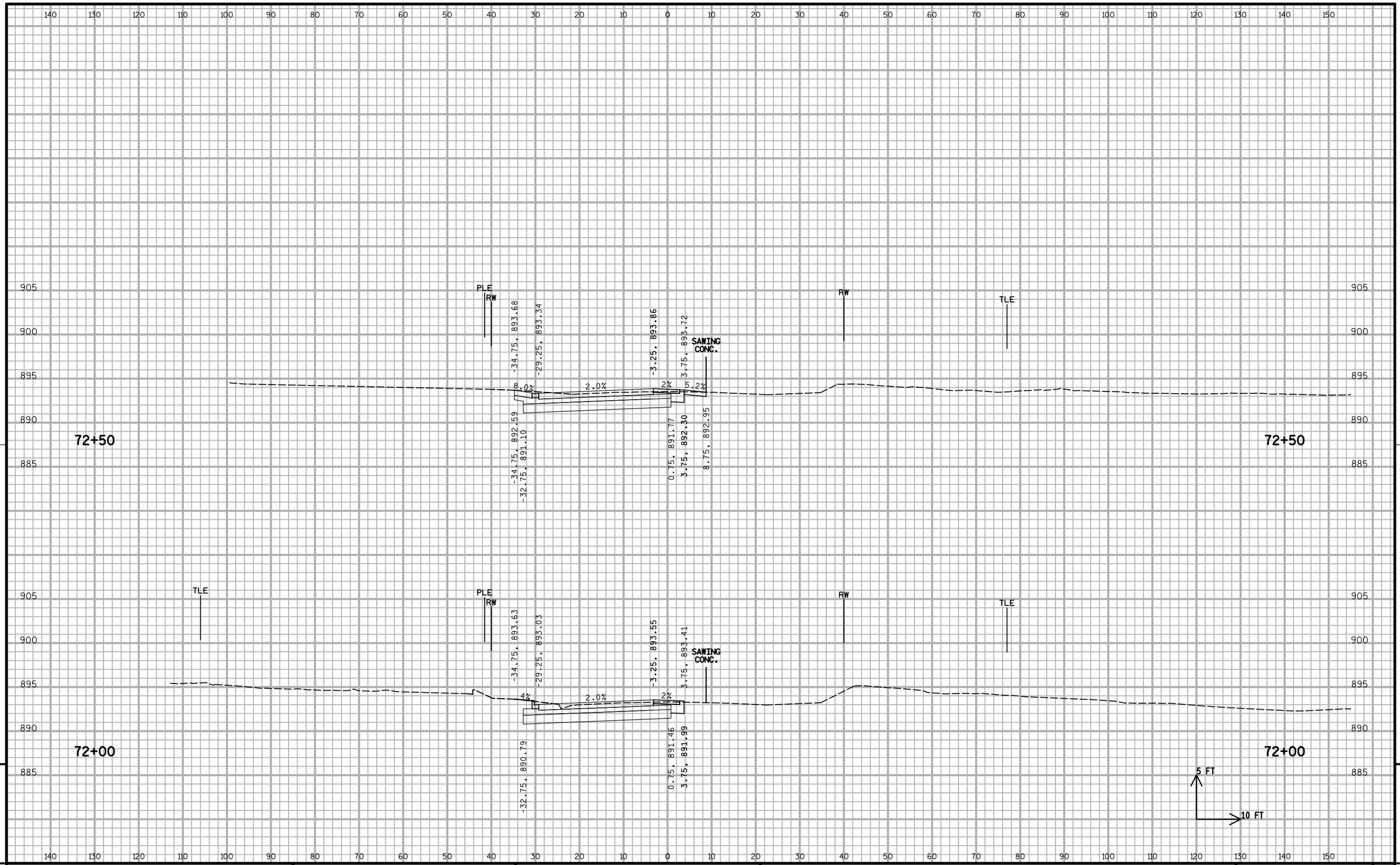
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 647	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

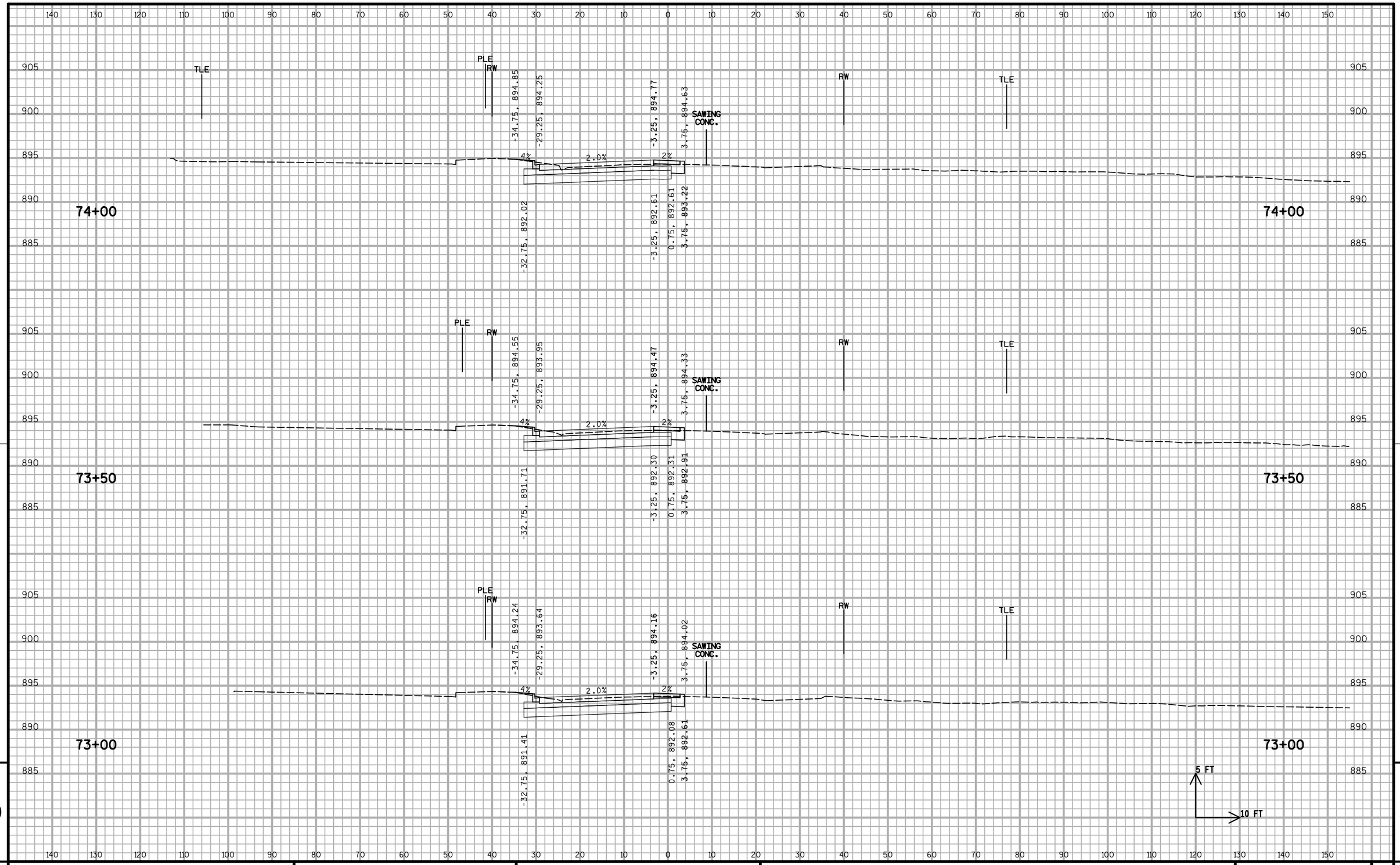


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 648	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



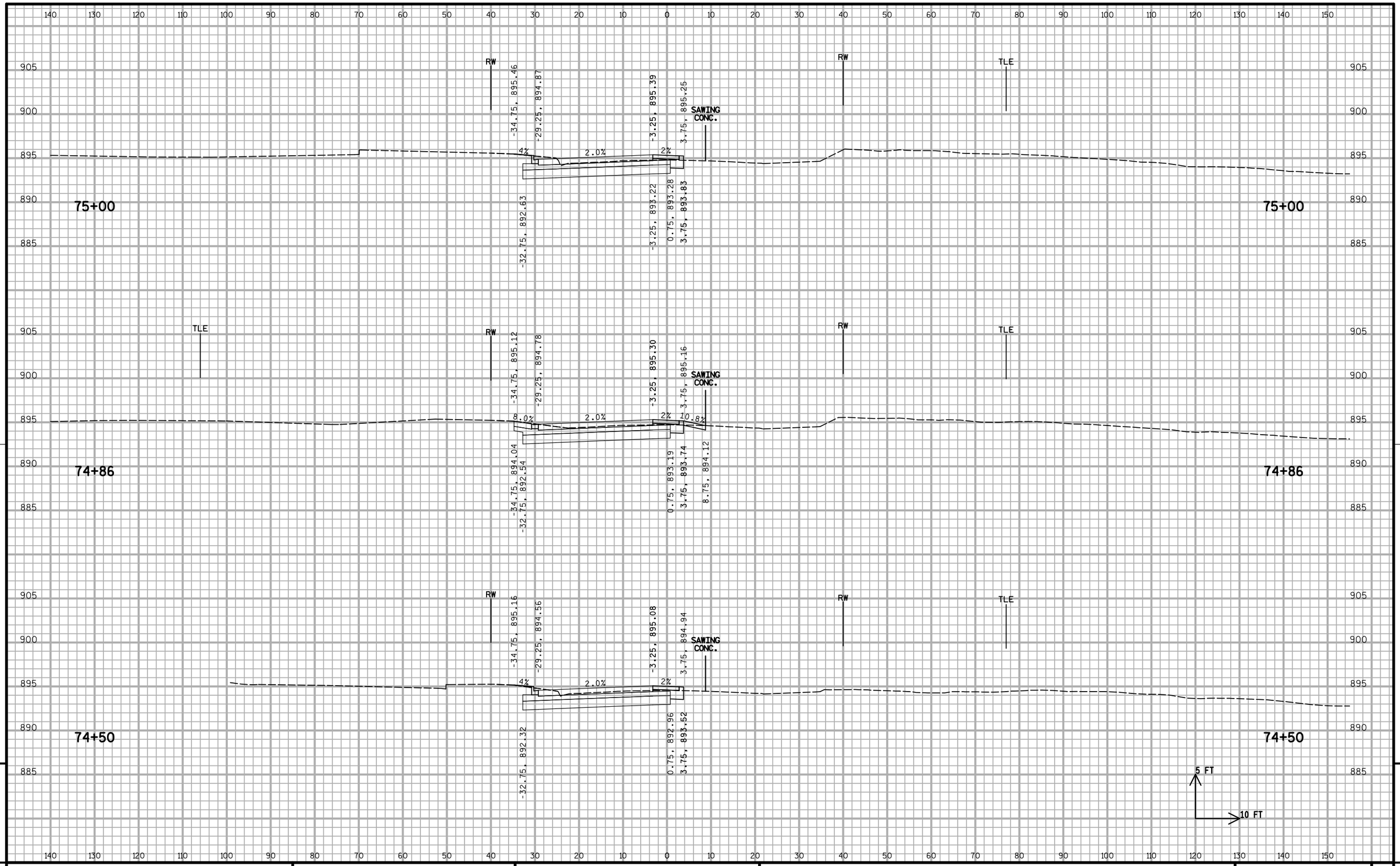
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



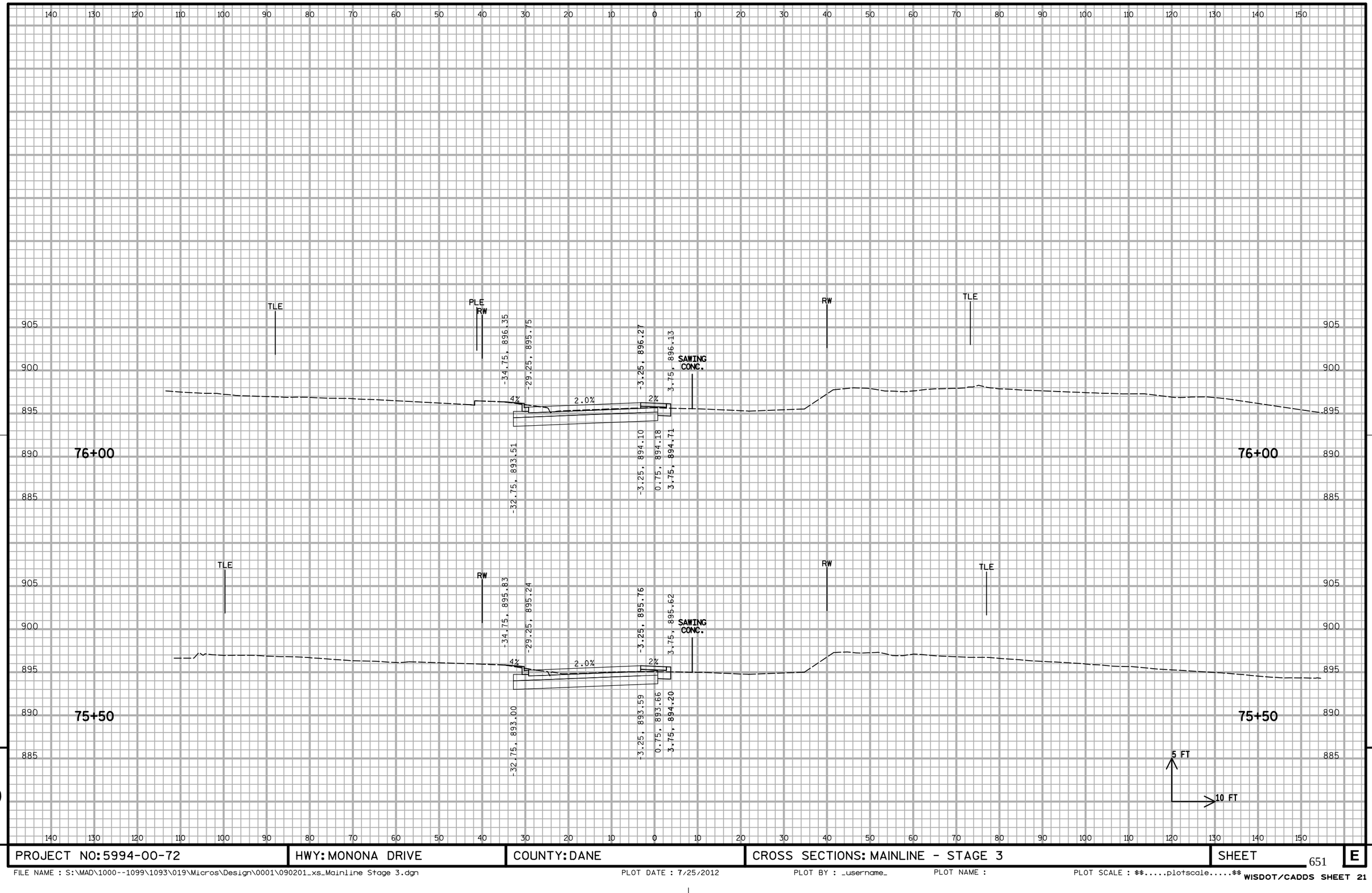
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 650	E

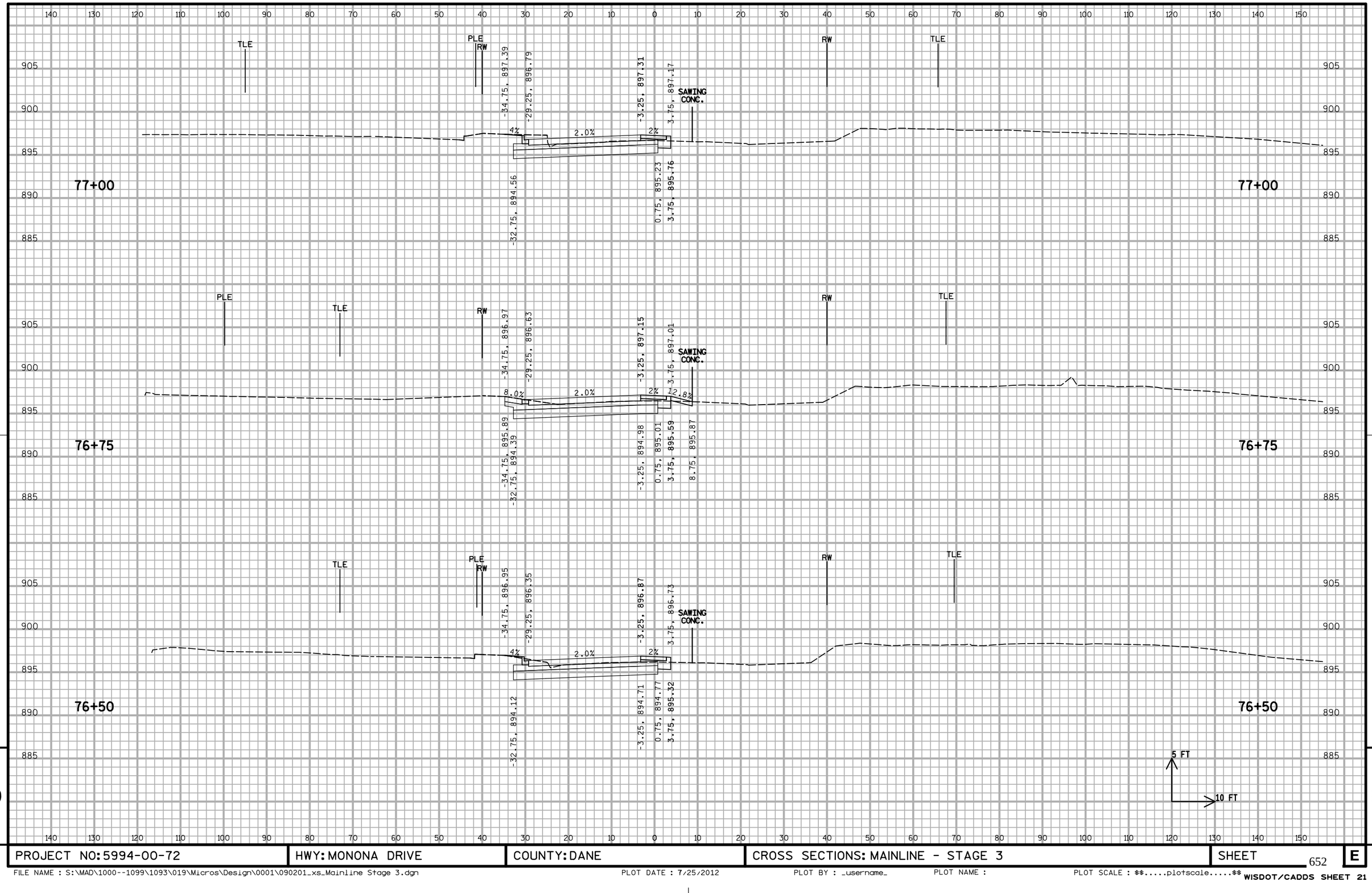
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WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 651	E



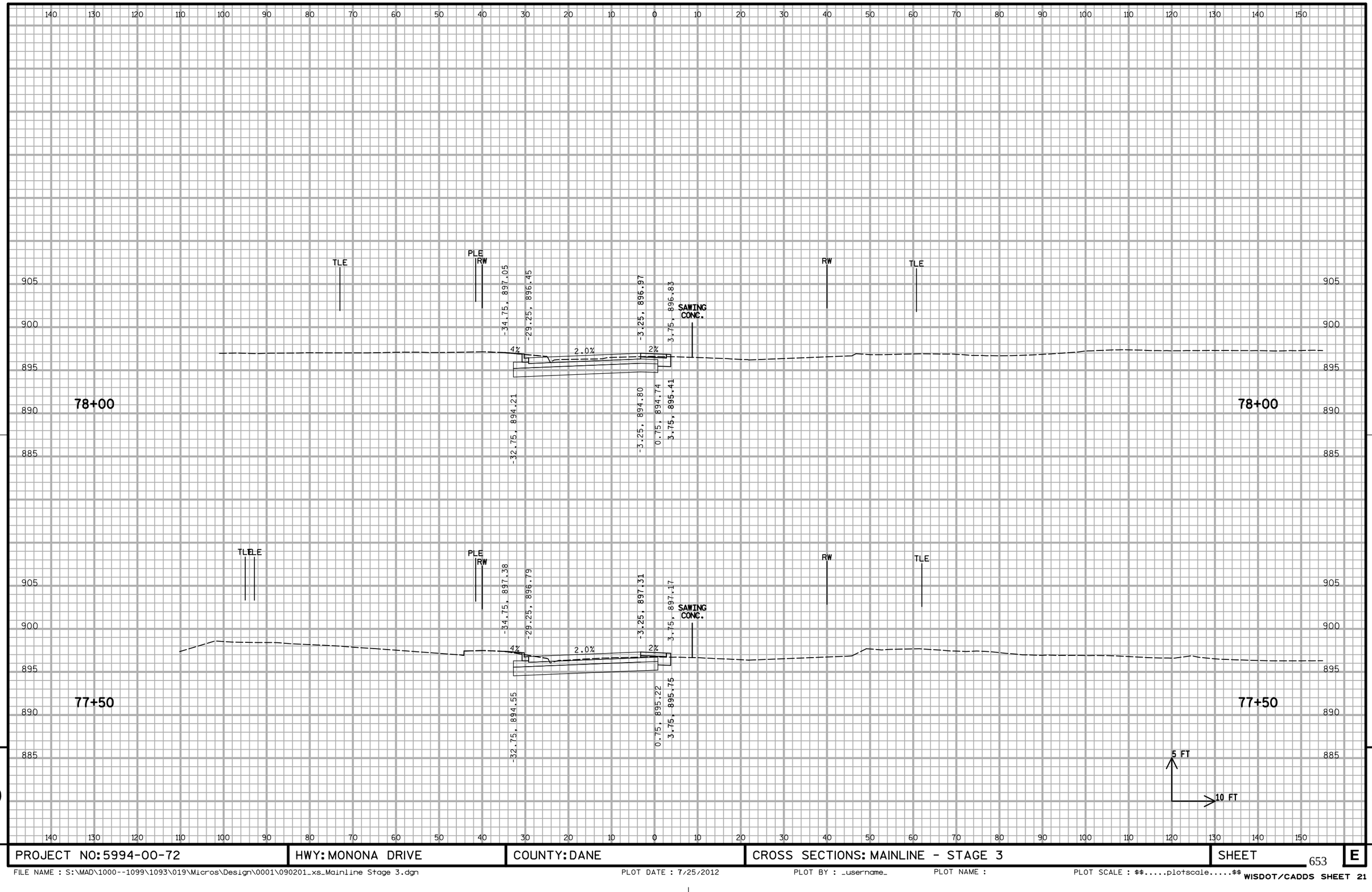
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

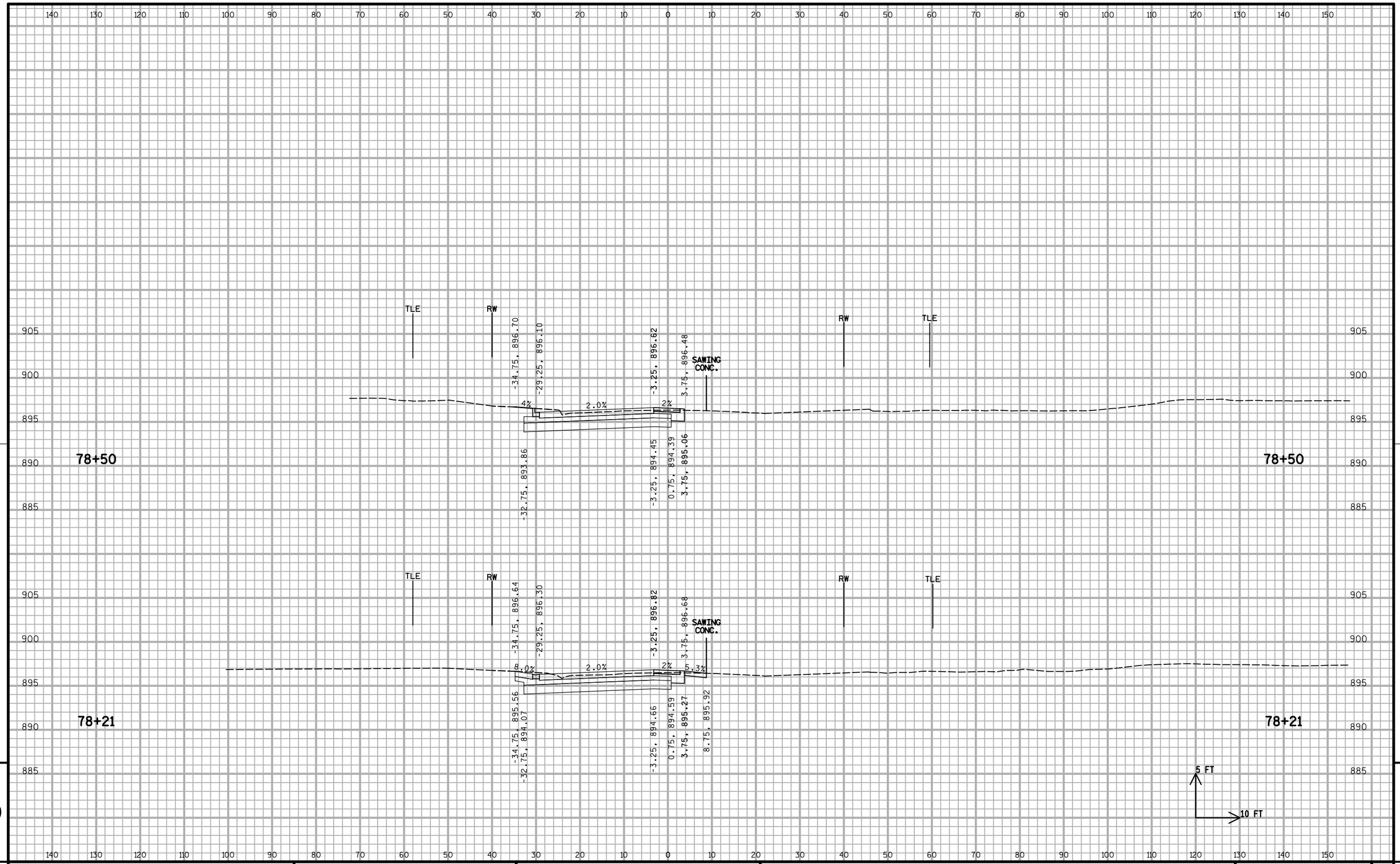
WISDOT/CADDS SHEET 21



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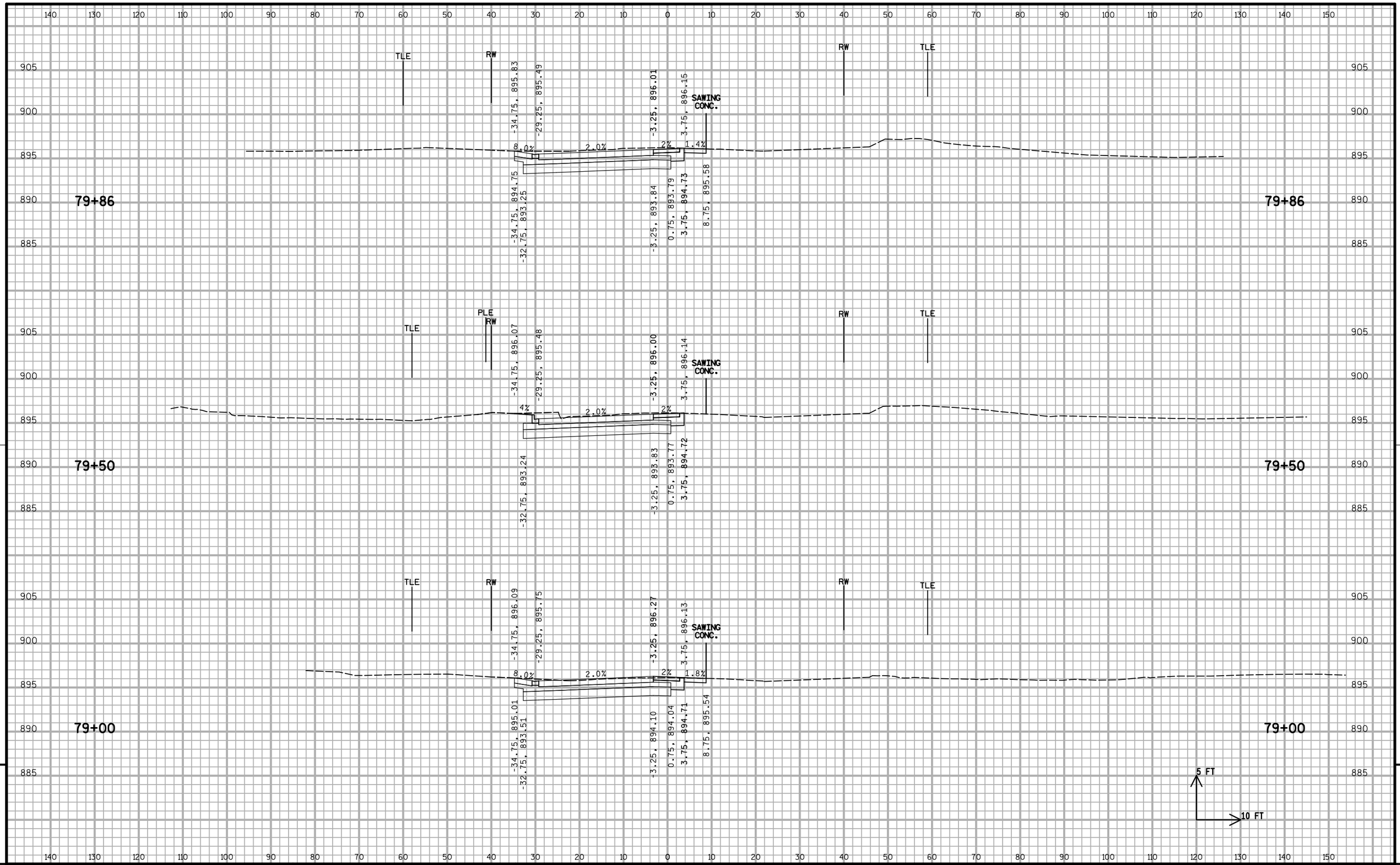
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 653	E



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 654	E



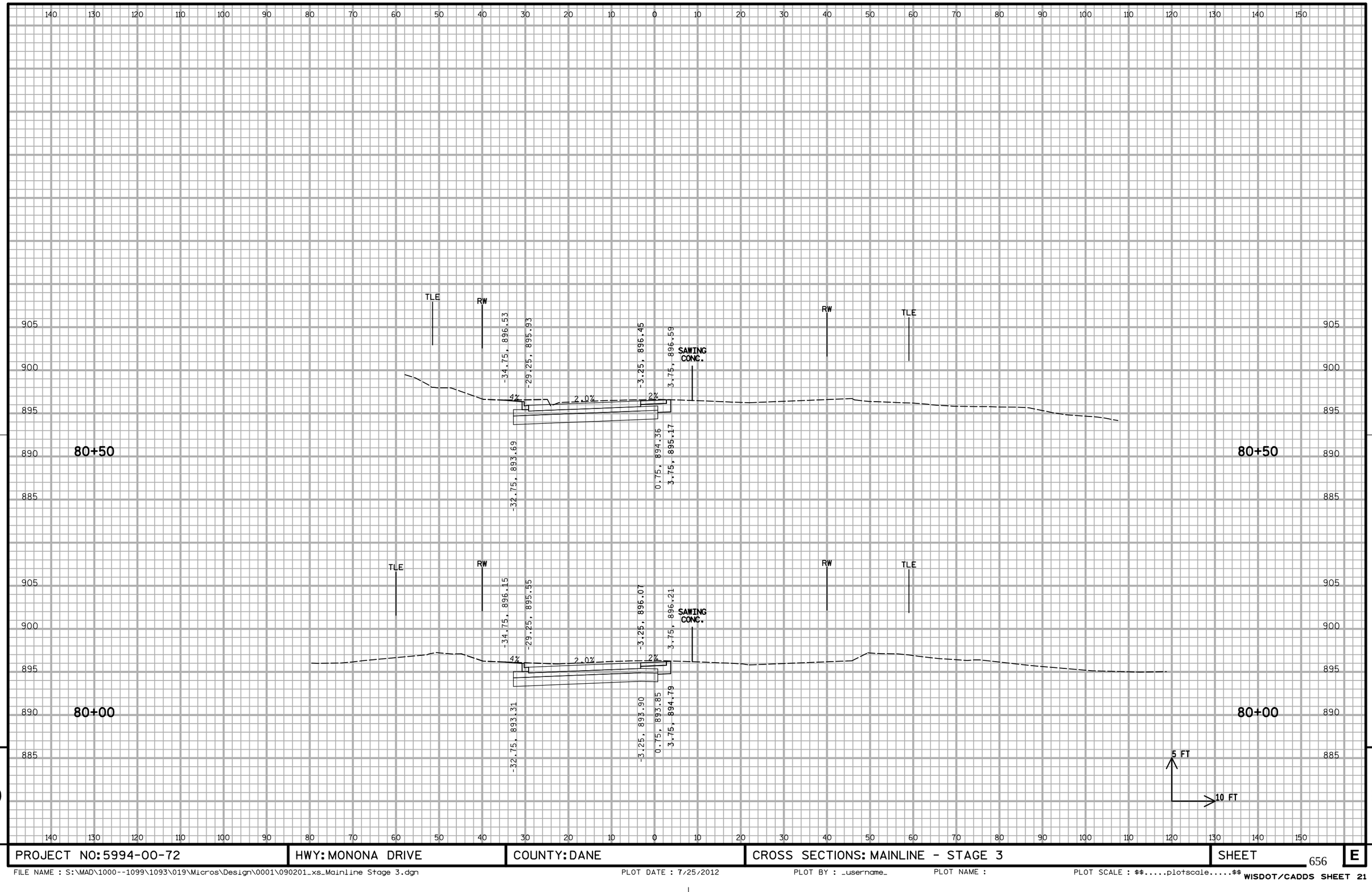
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

655

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

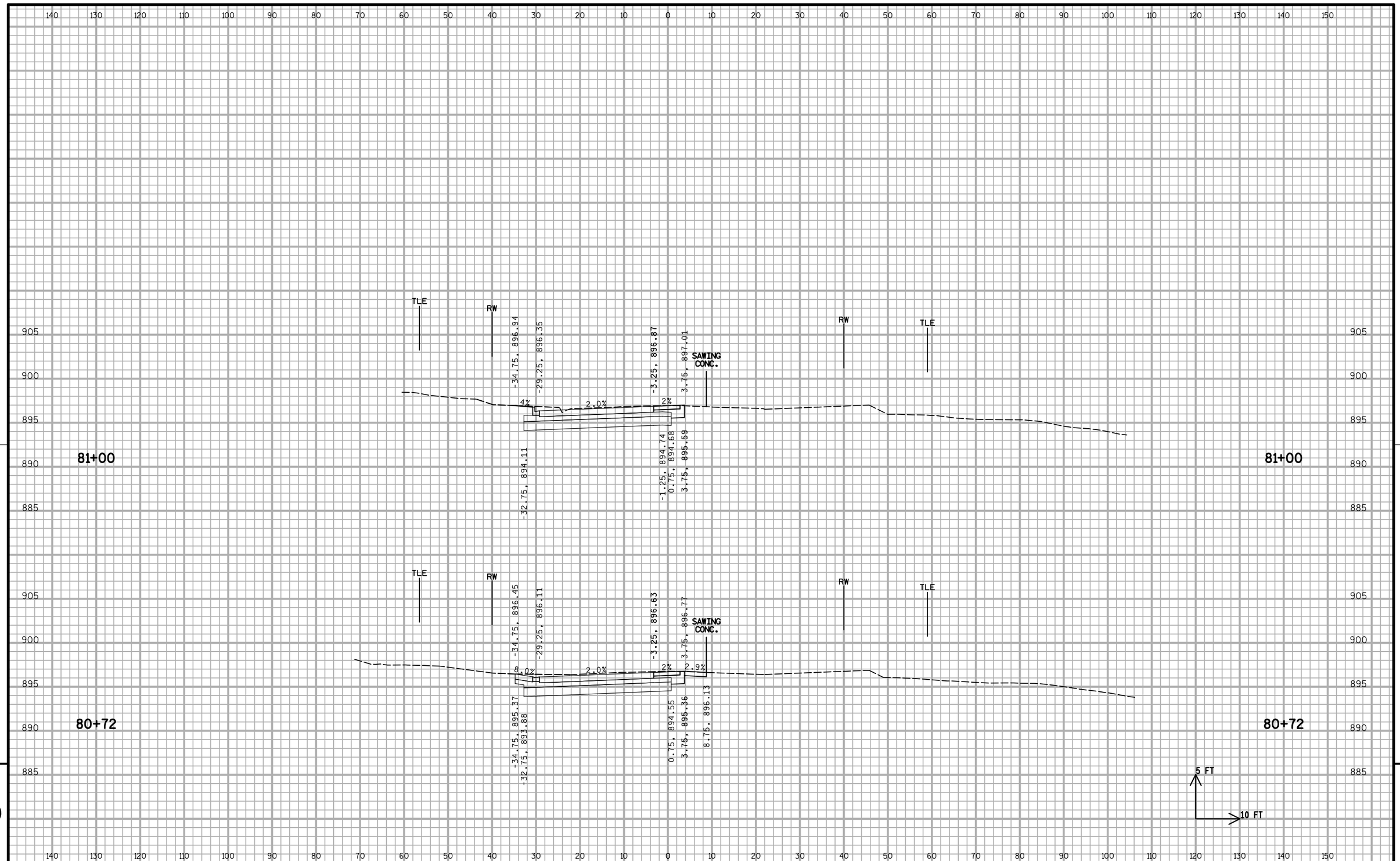
WISDOT/CADDS SHEET 21



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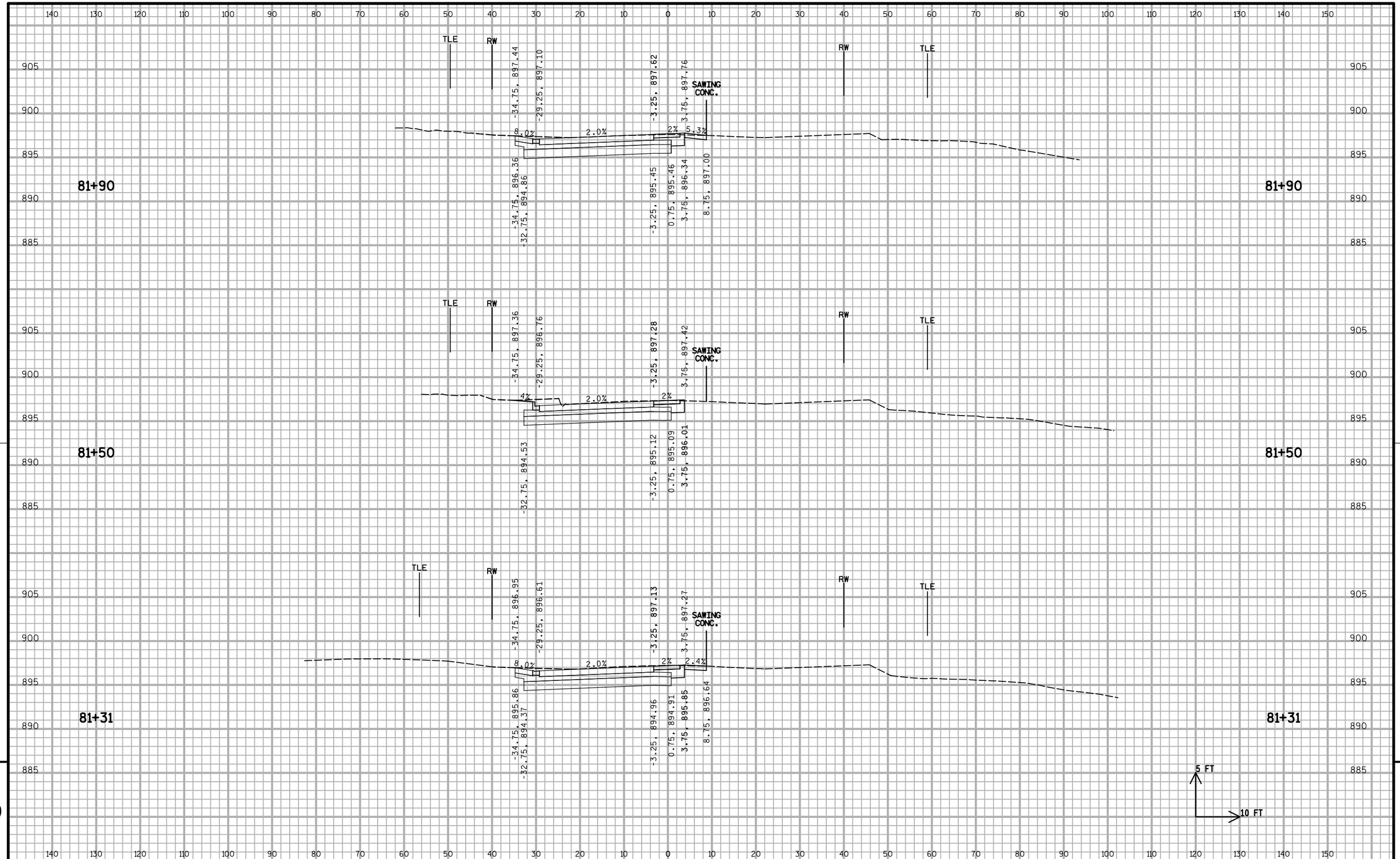
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 656	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 657	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



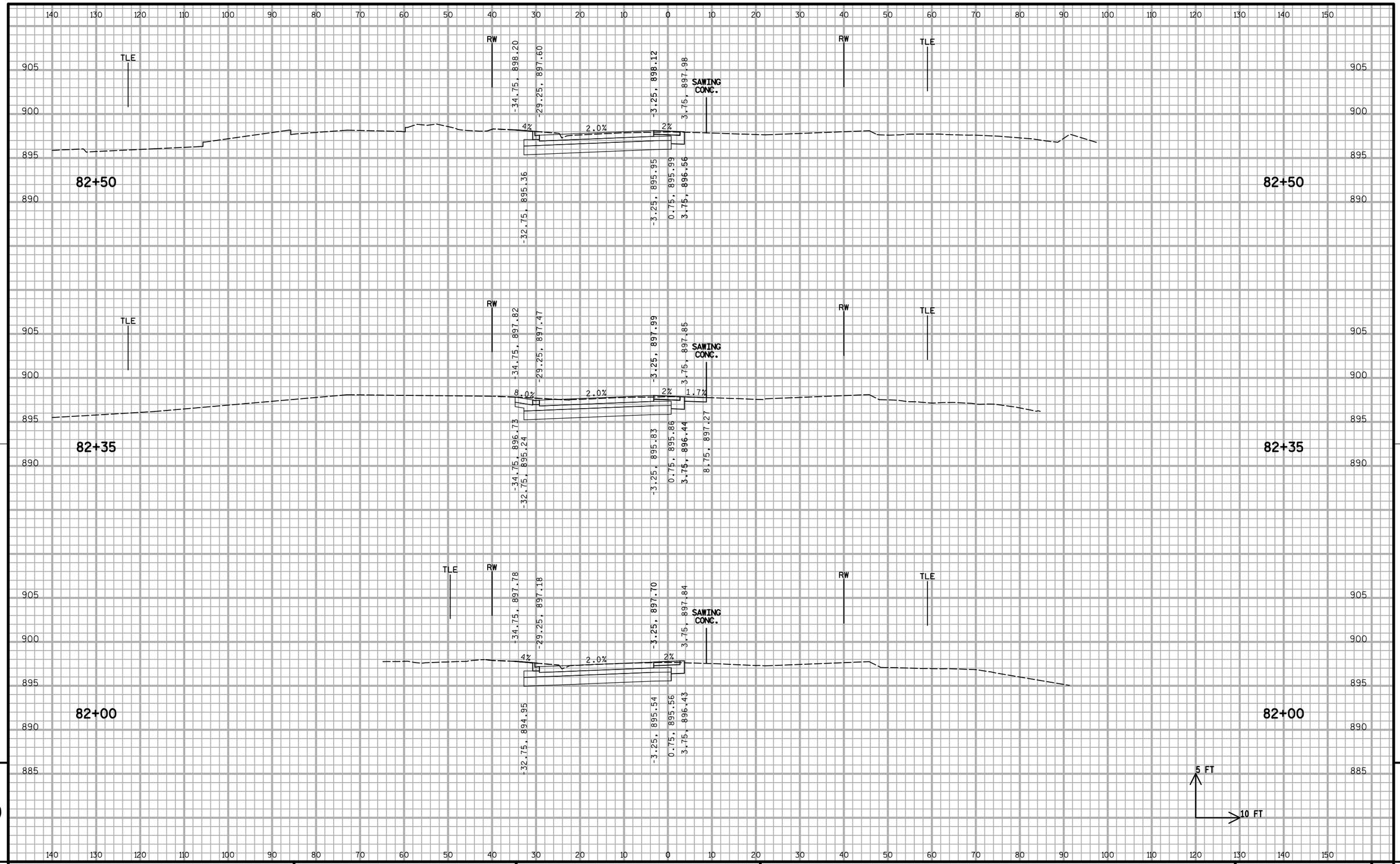
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 658	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



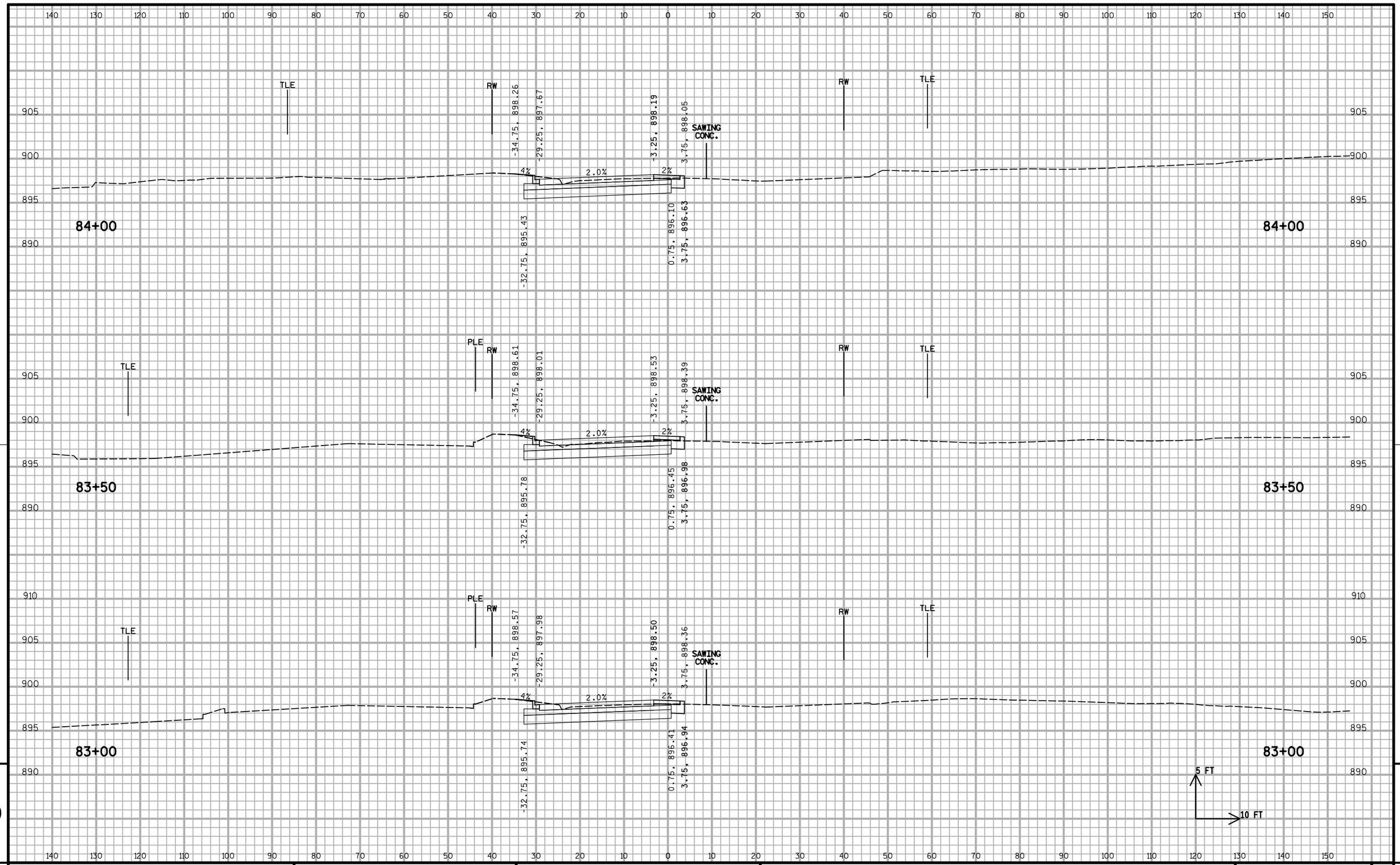
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 659	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

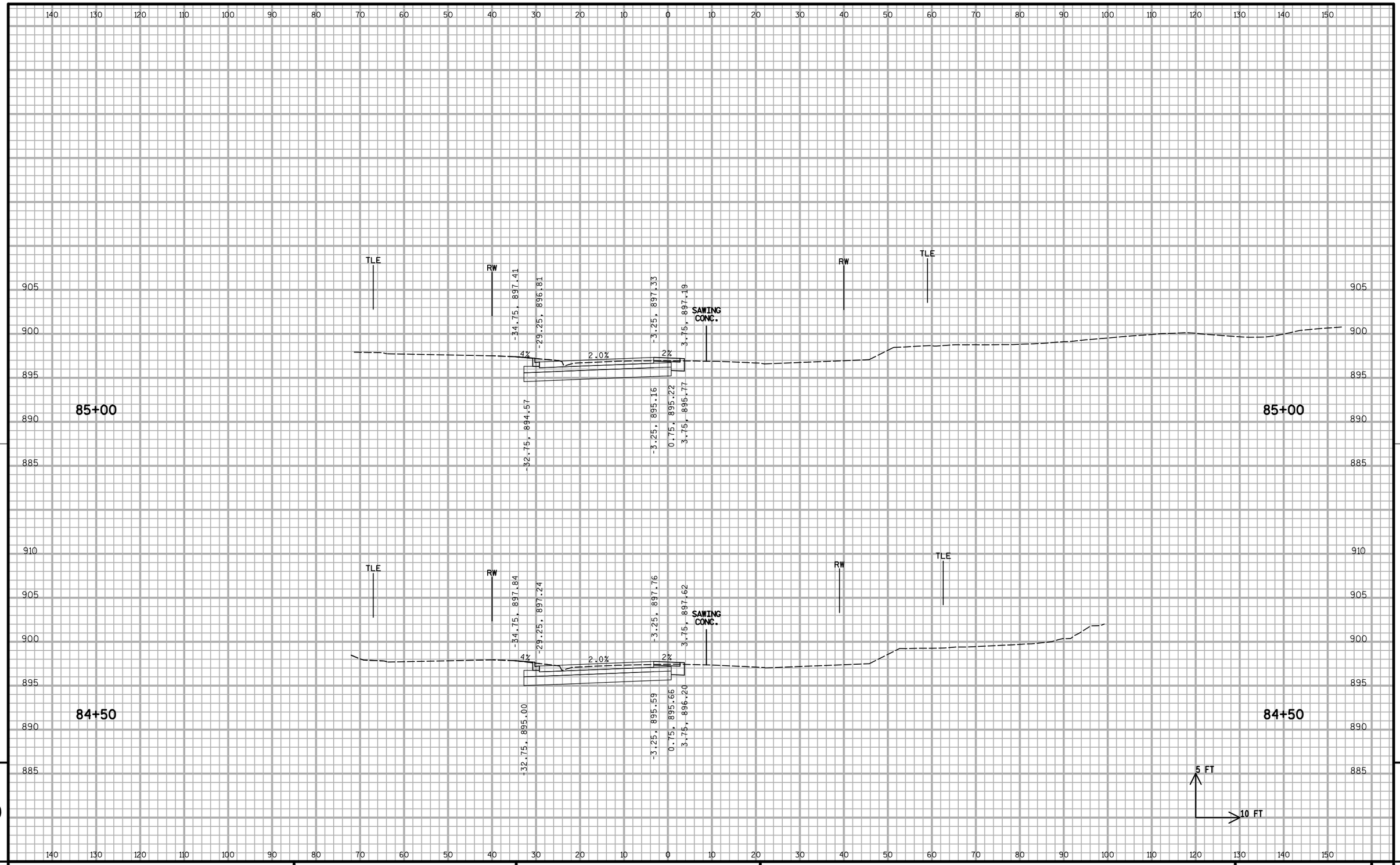


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 660	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

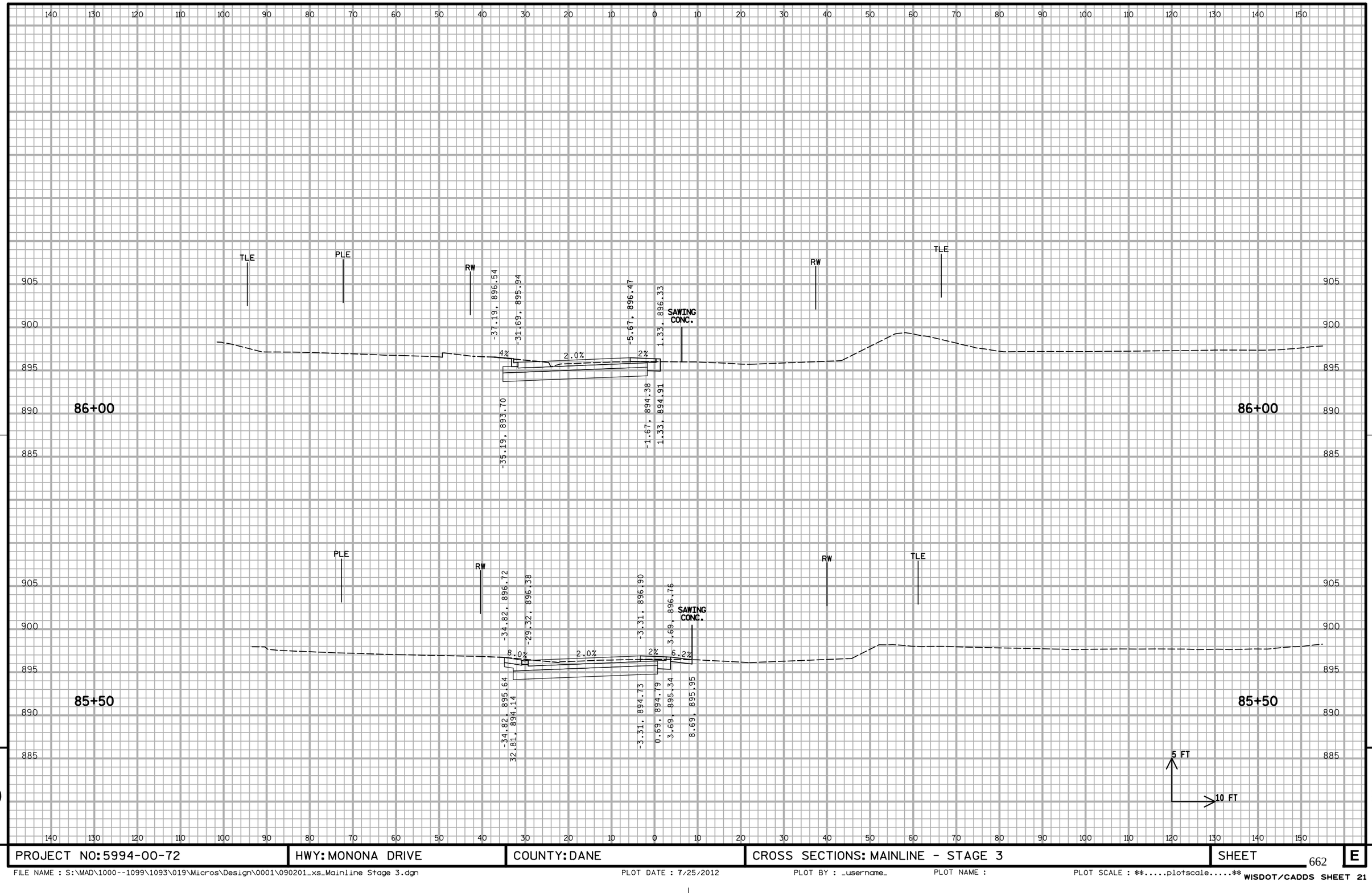


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



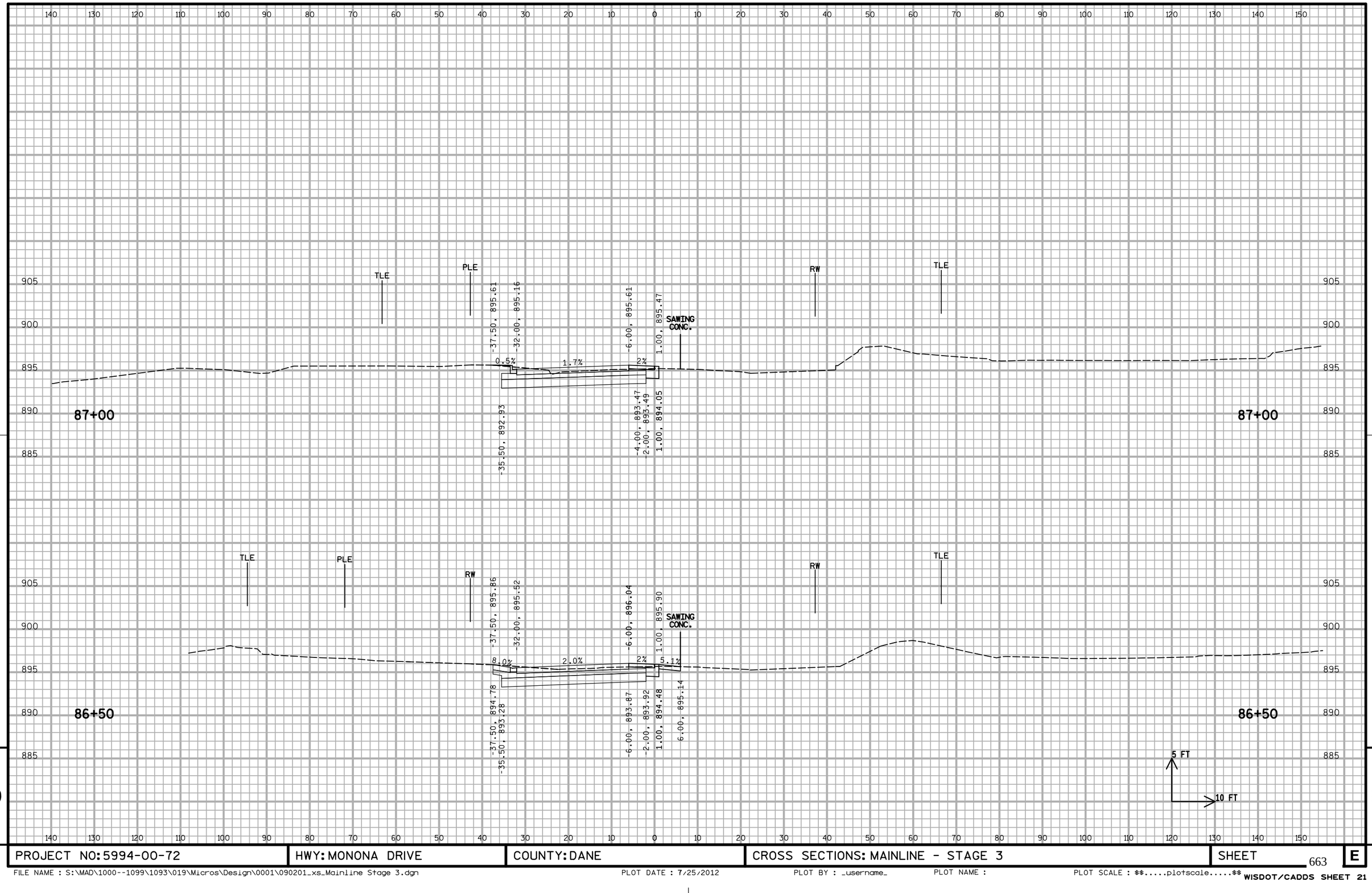
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

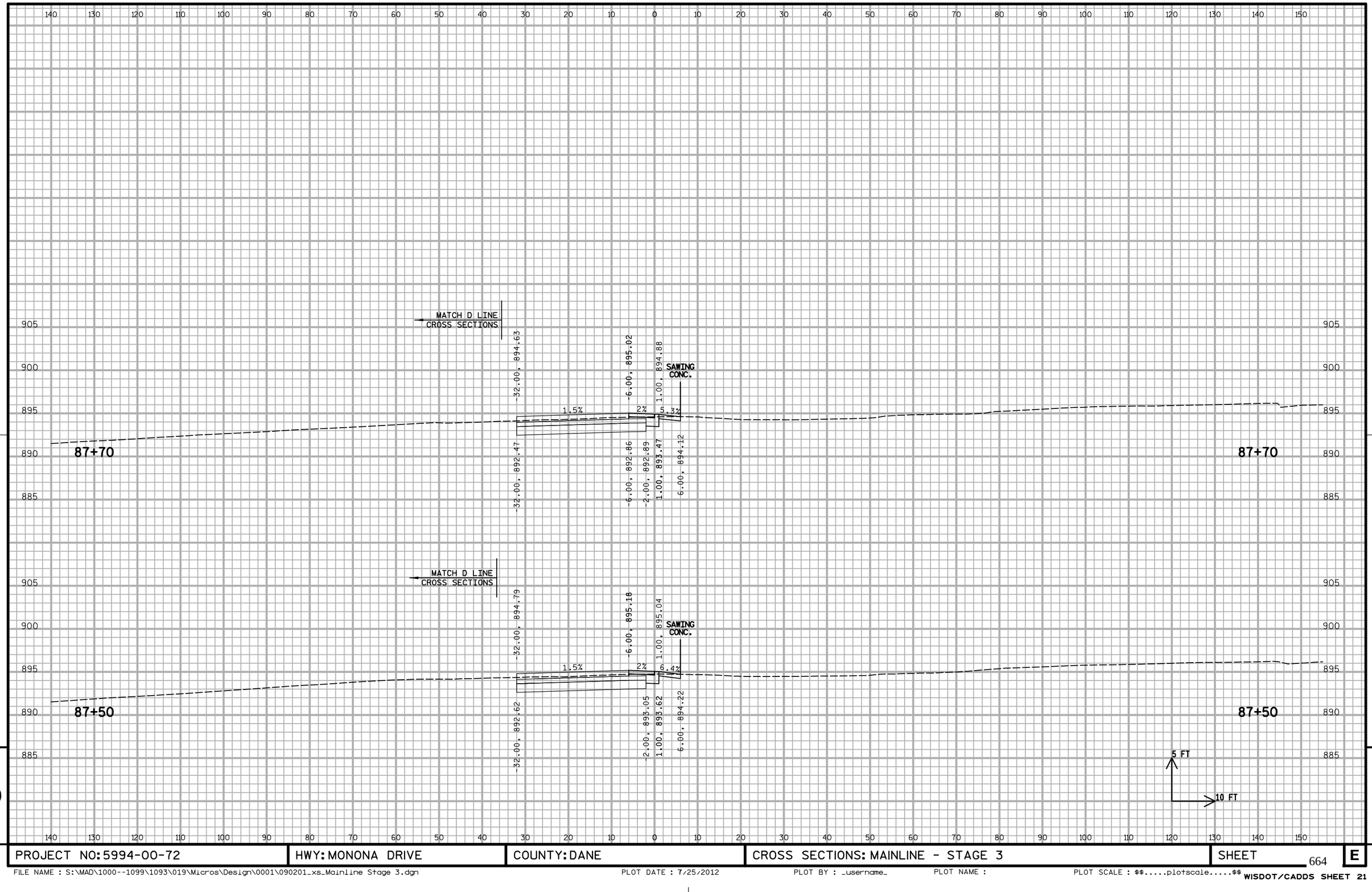
WISDOT/CADDS SHEET 21



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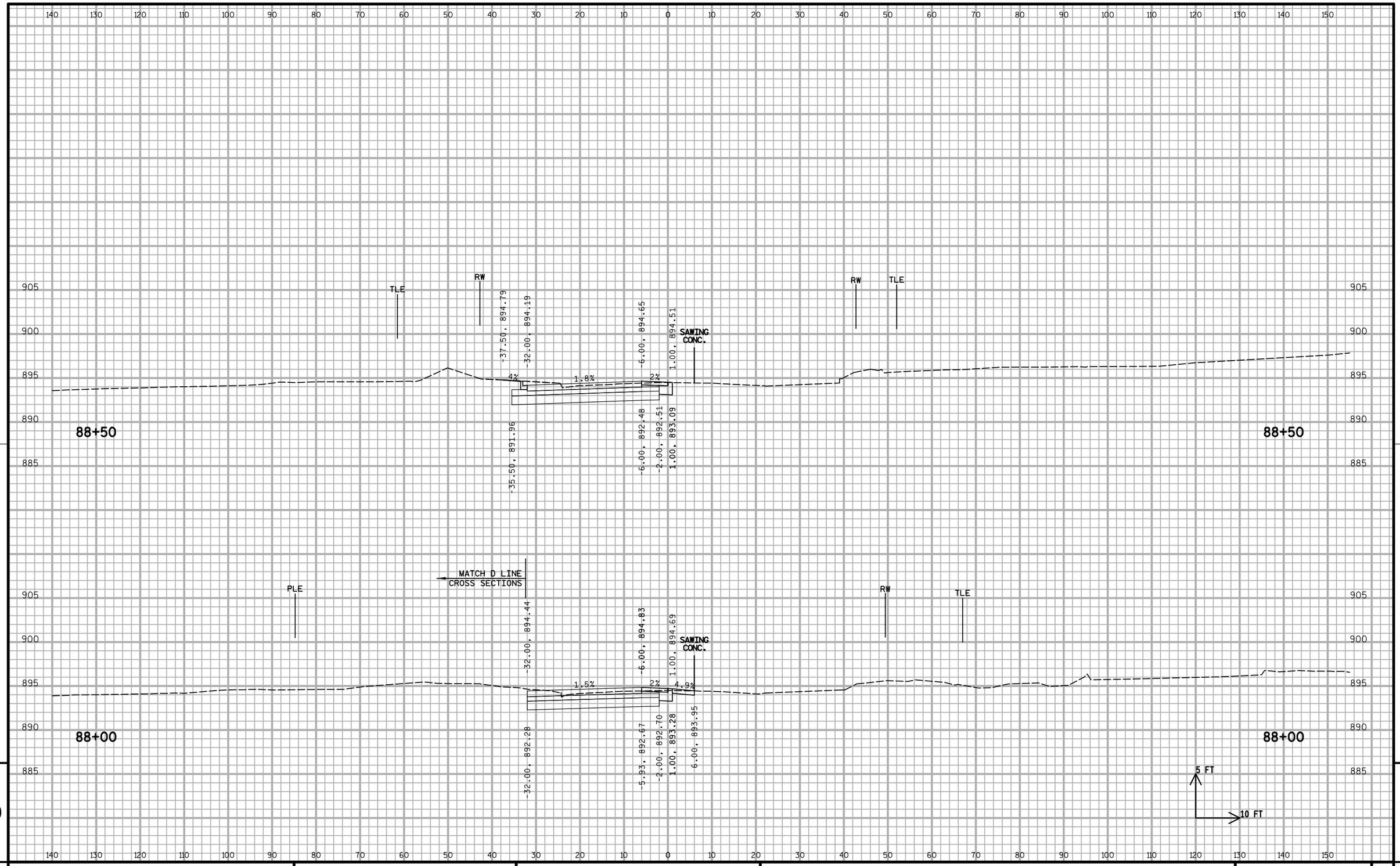
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 663	E



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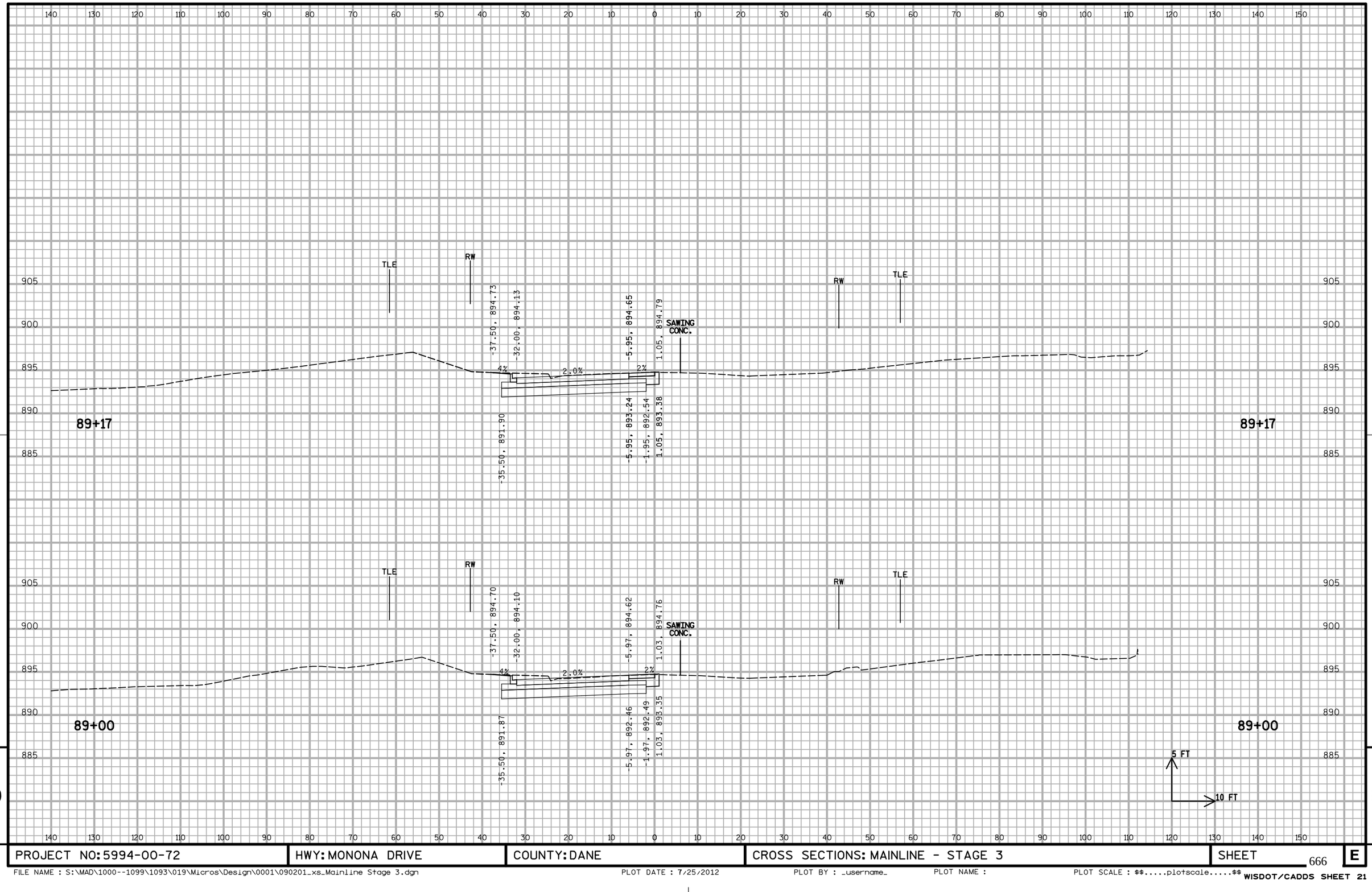
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 664	E



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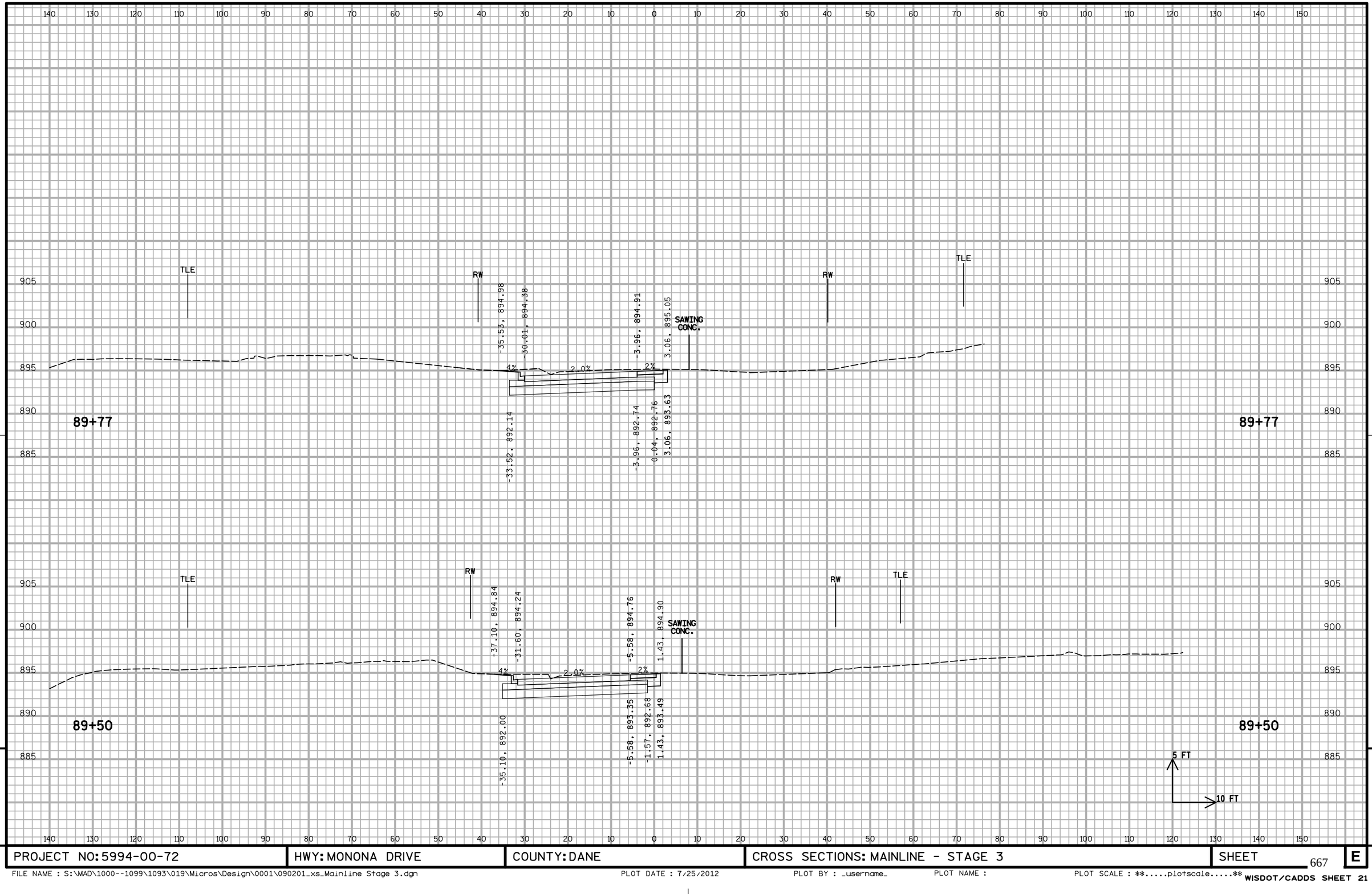
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 665	E



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 666	E

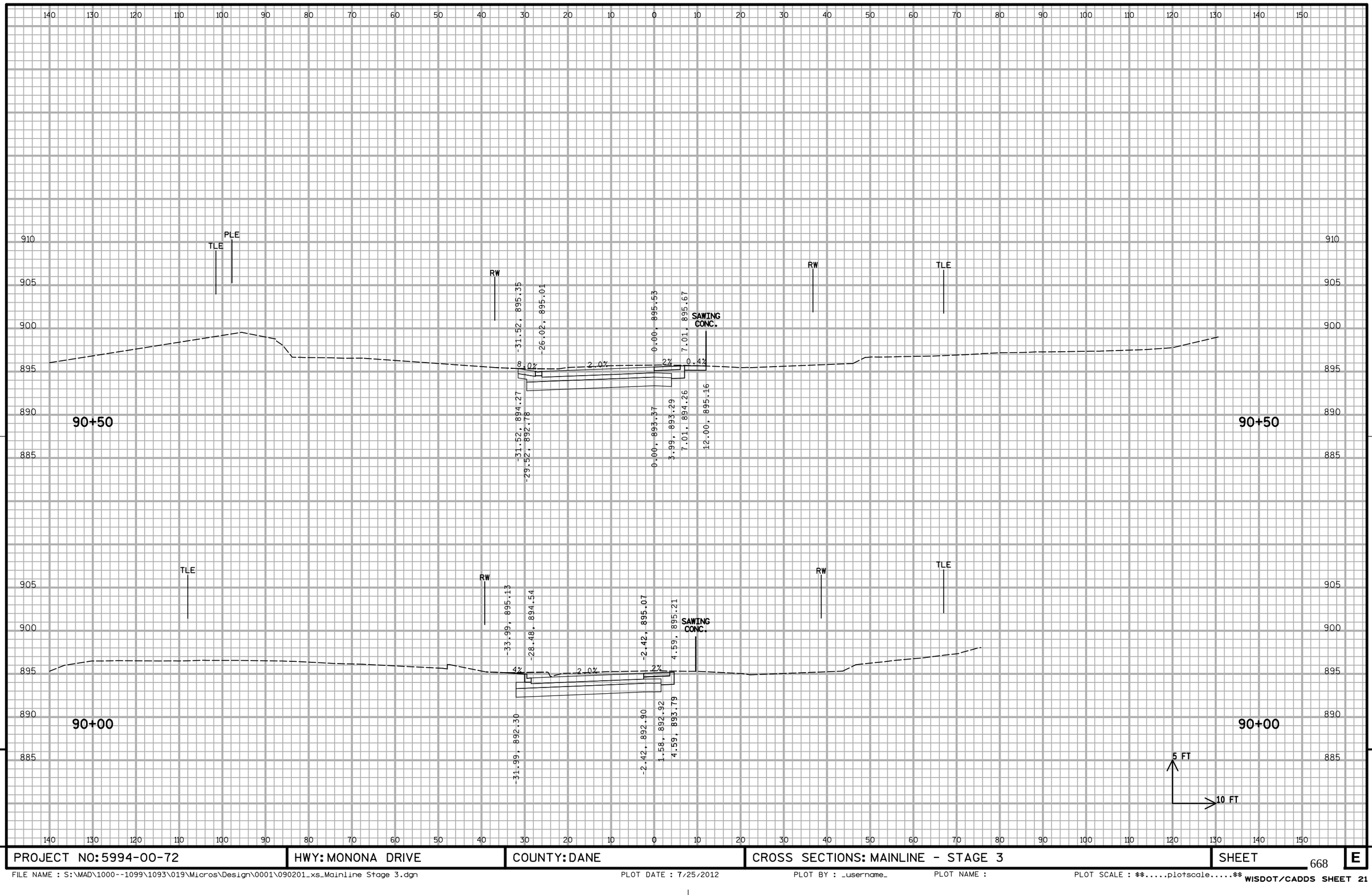


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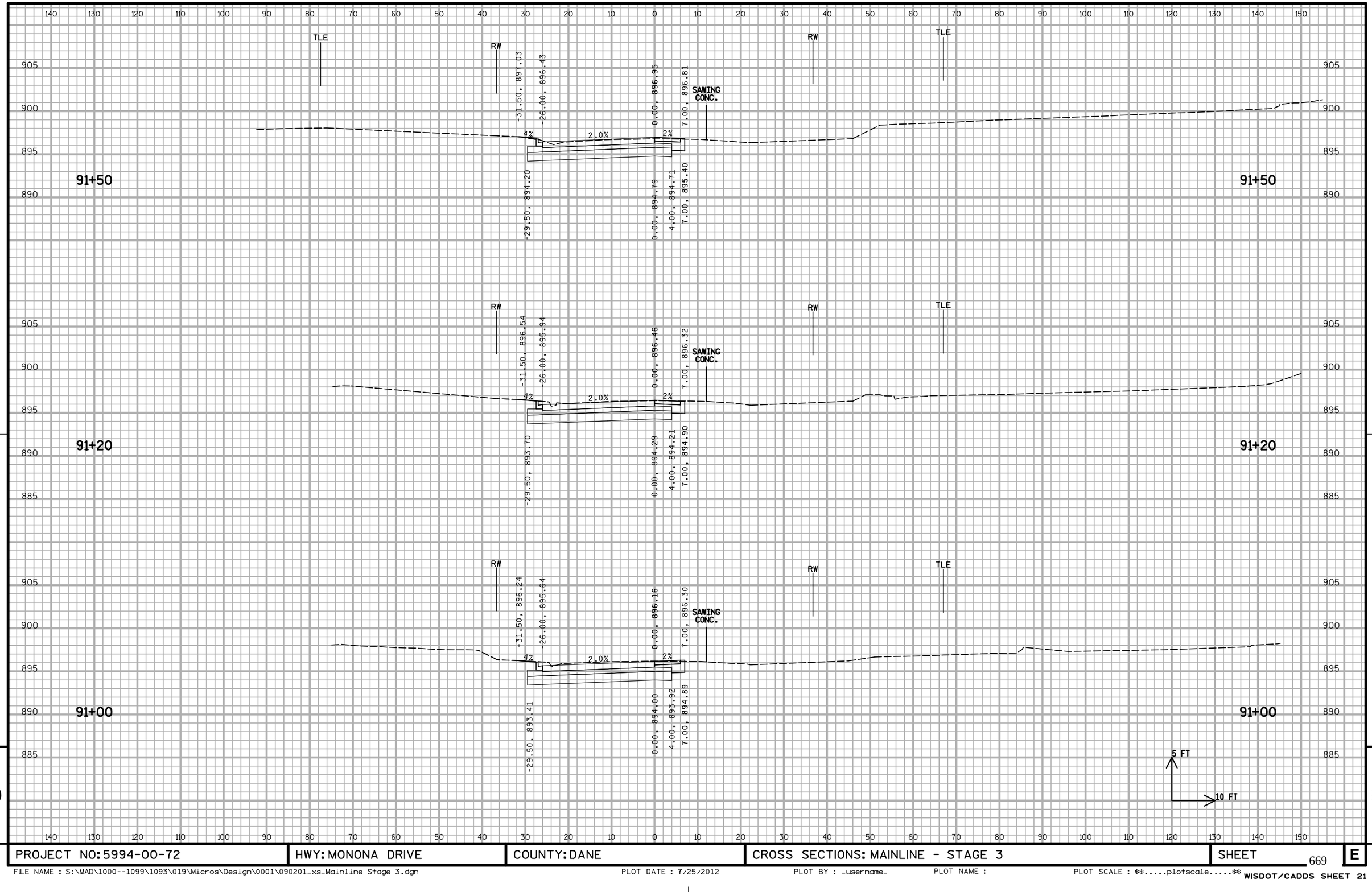
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



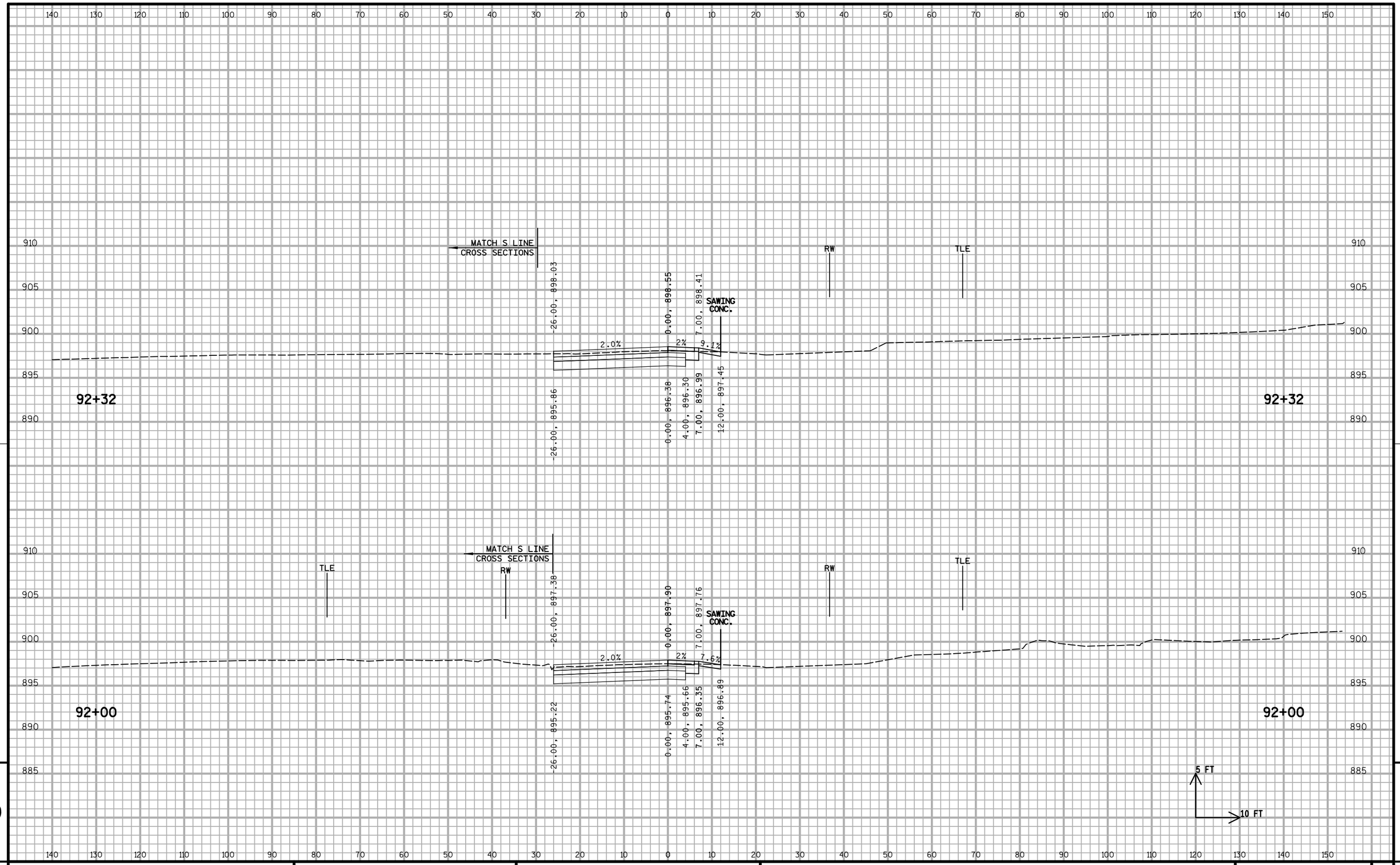
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 668	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



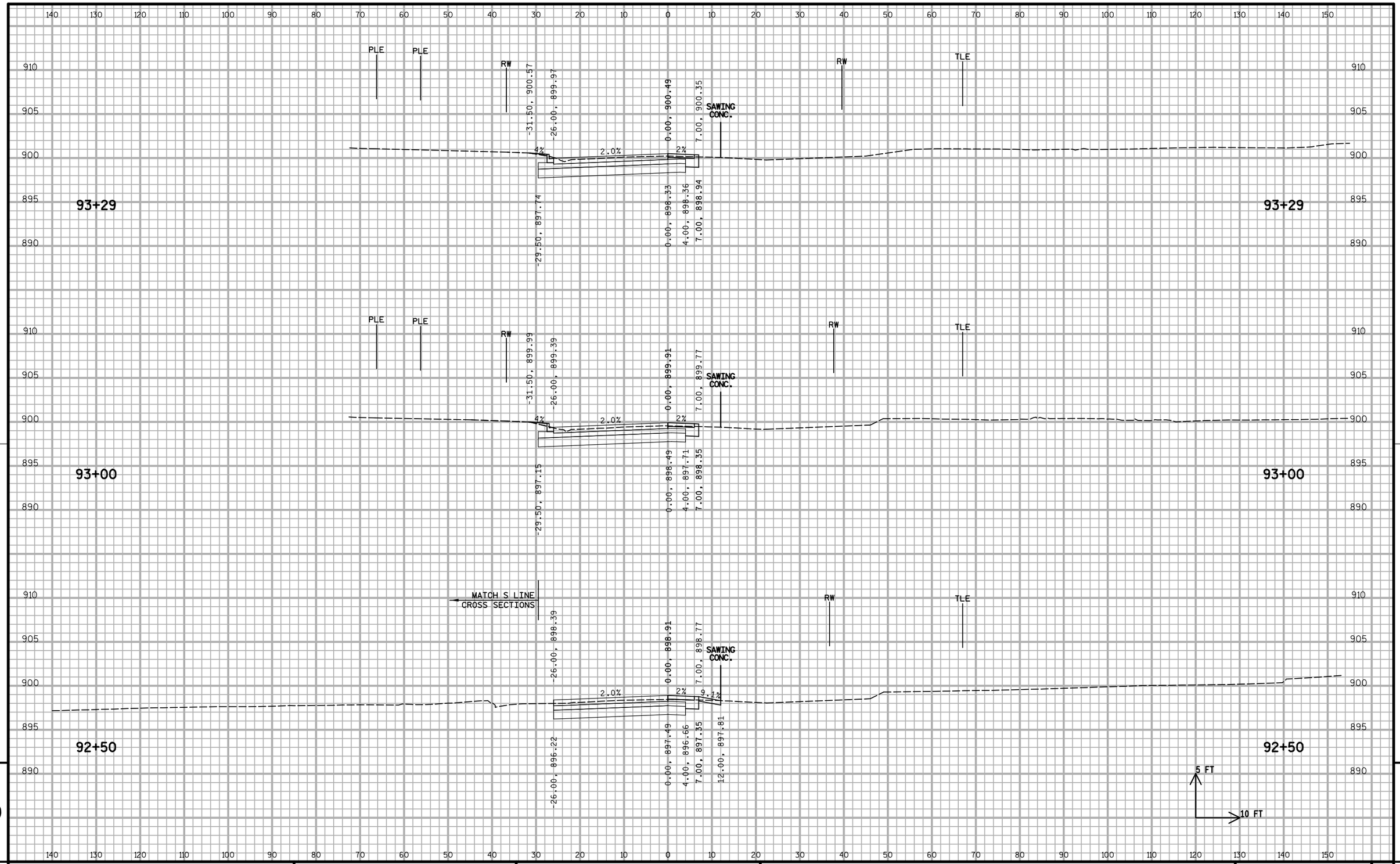
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 670	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



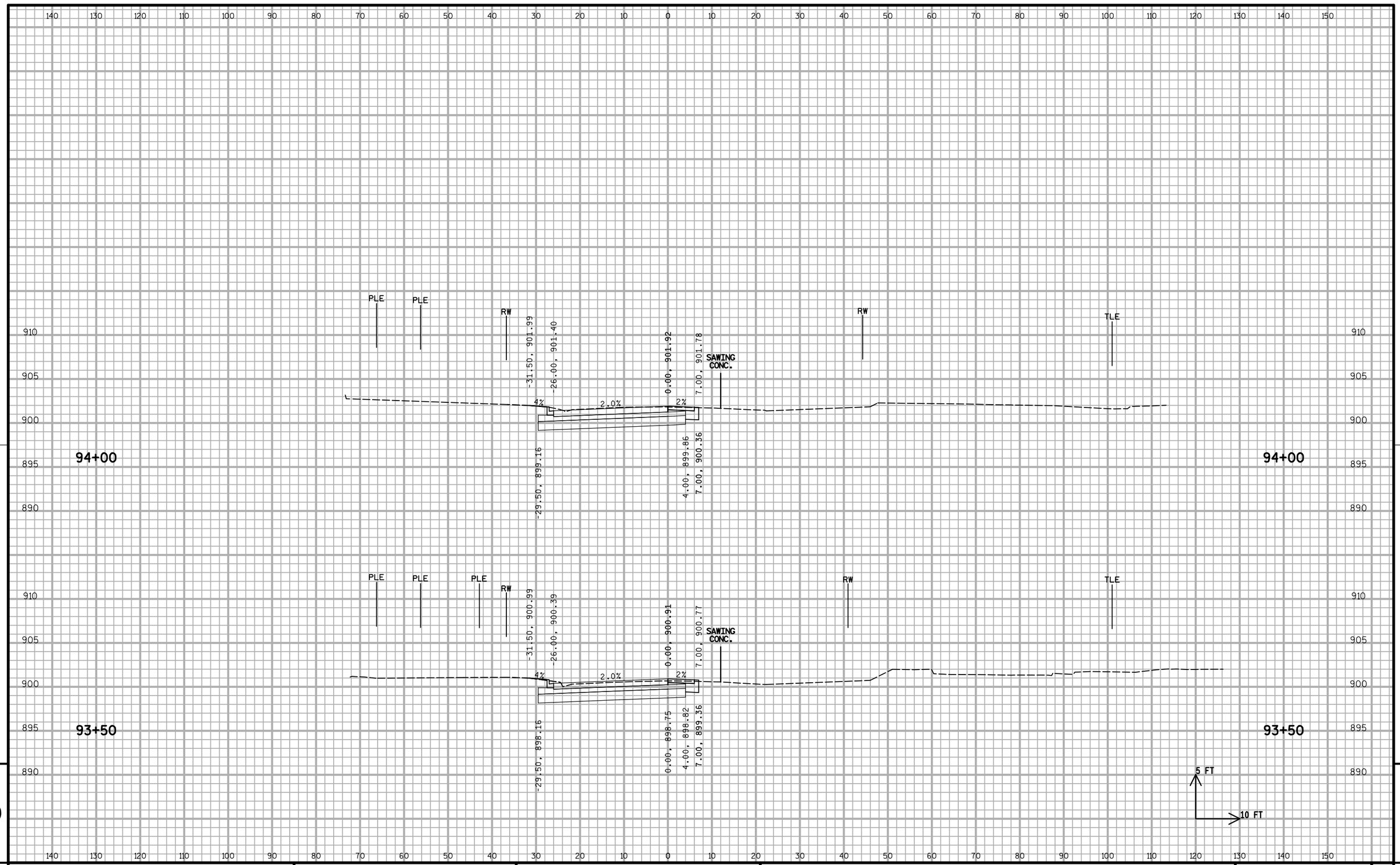
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



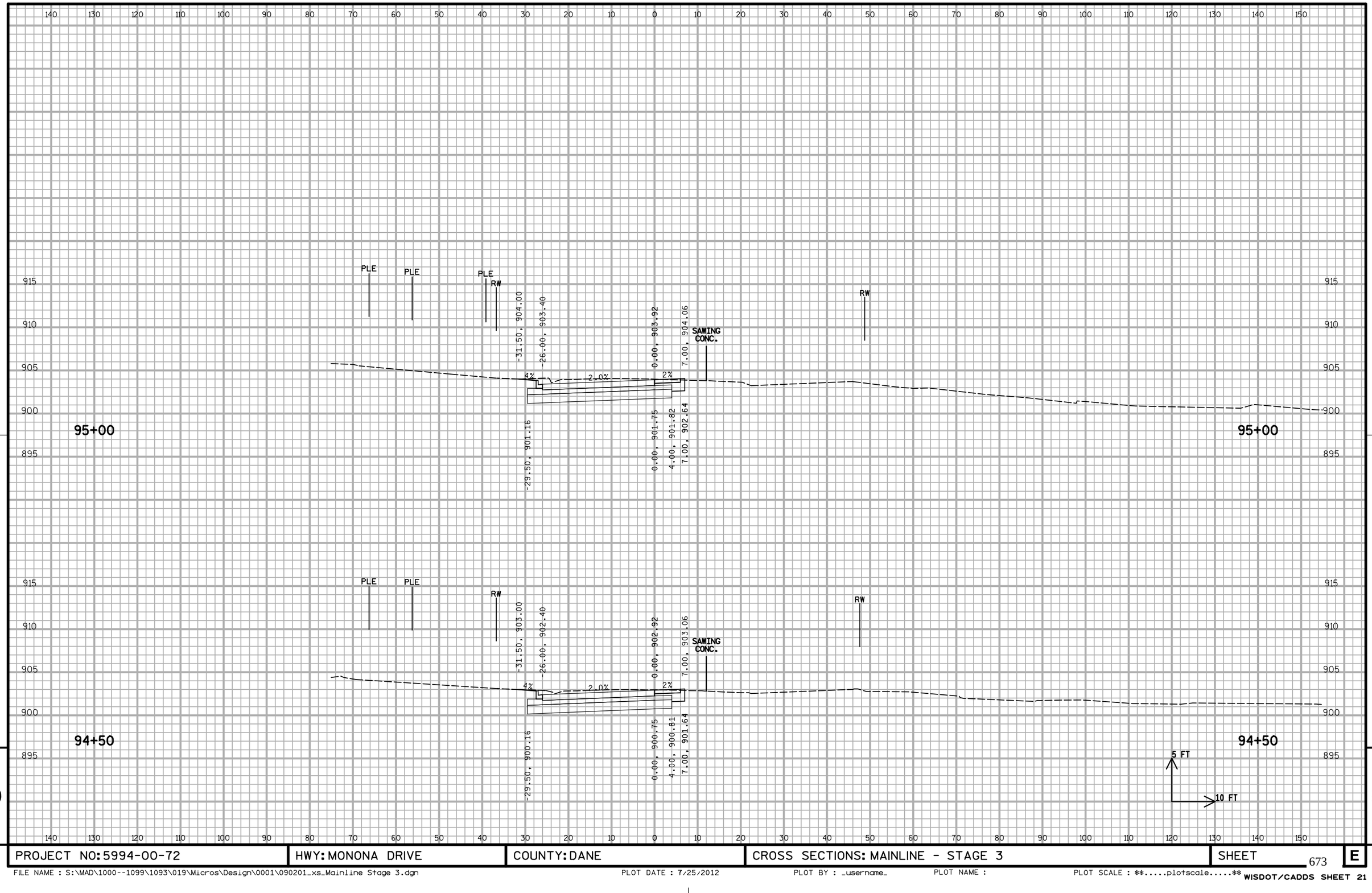
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



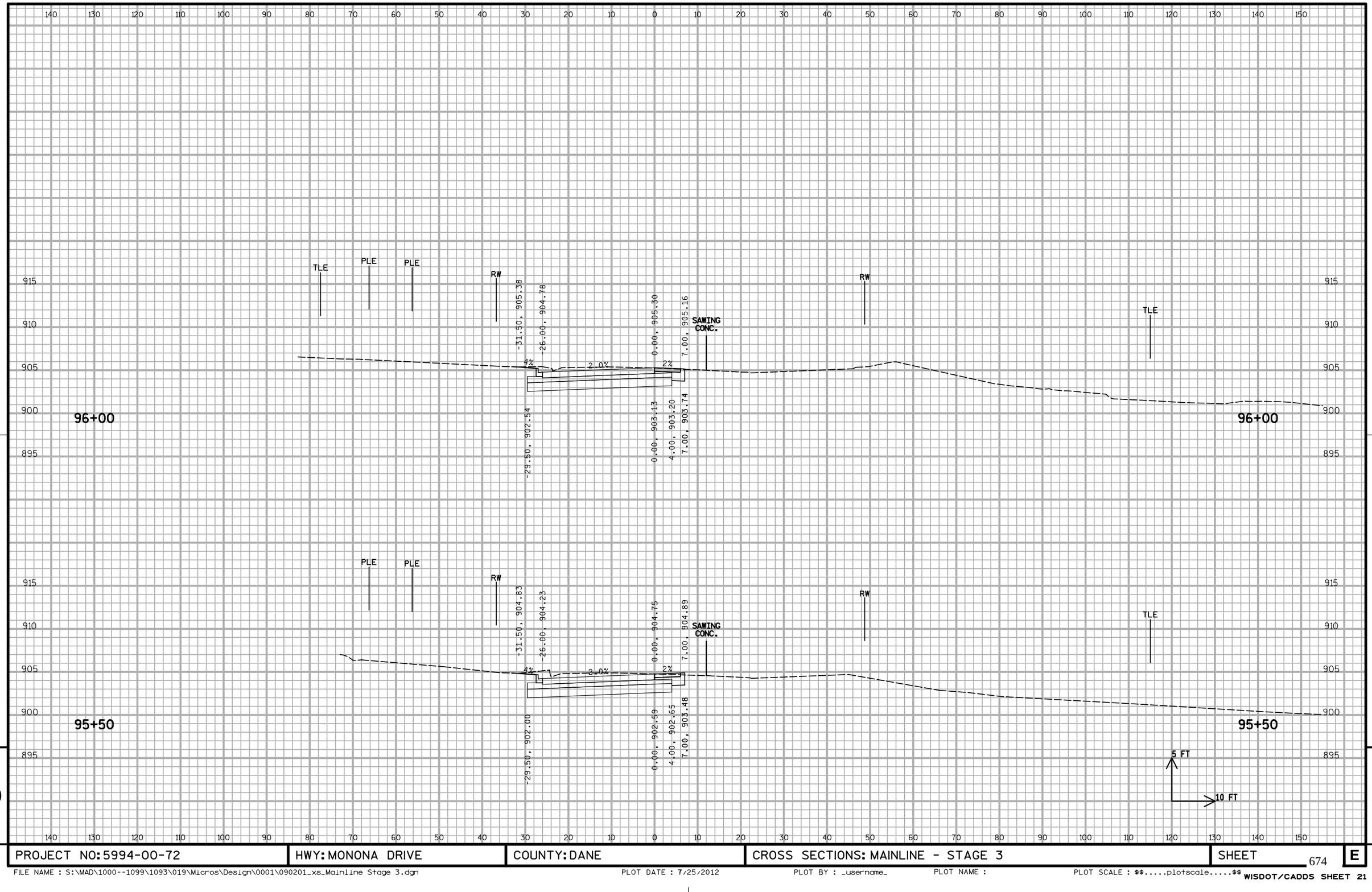
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



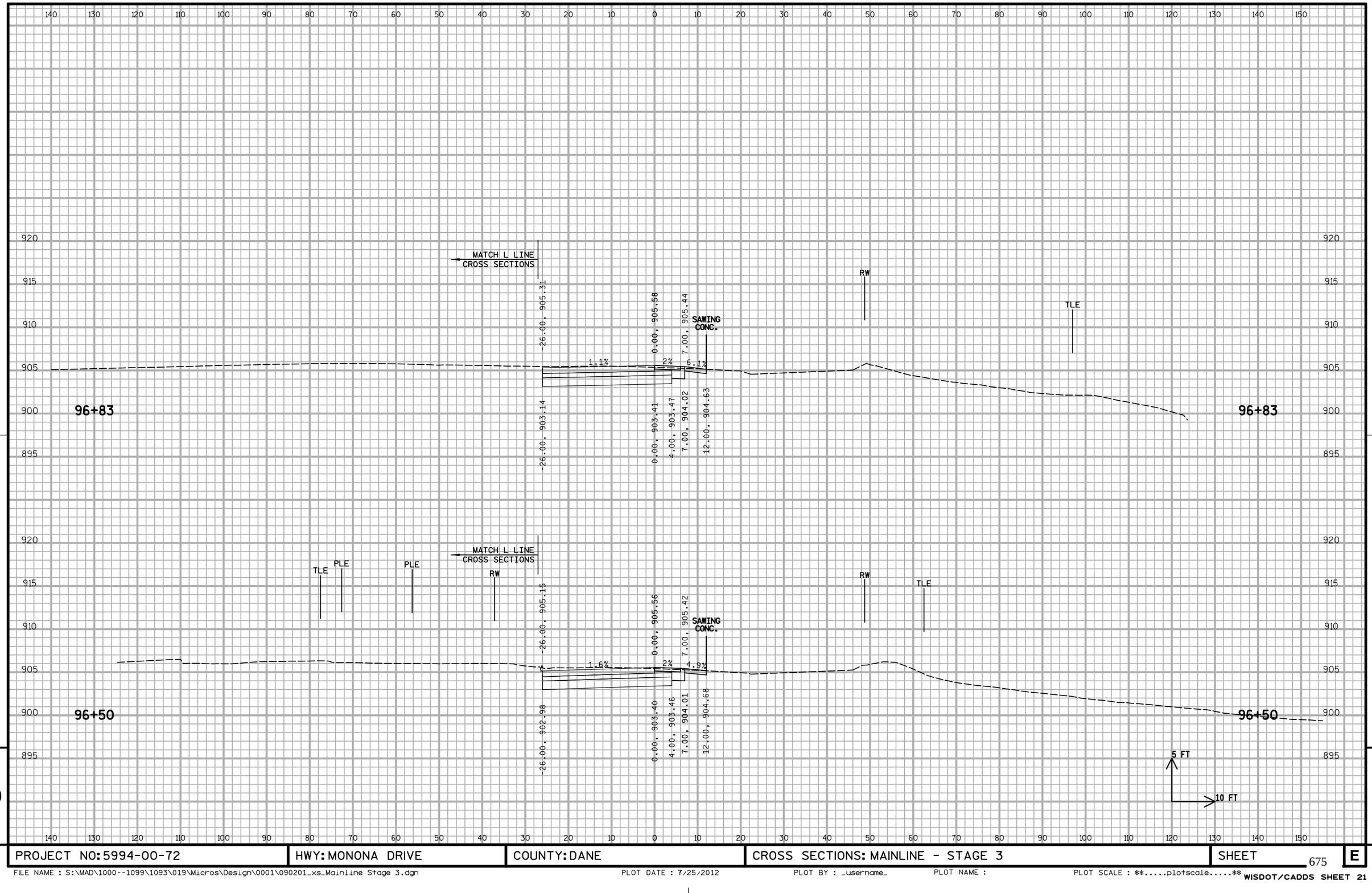
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 674	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

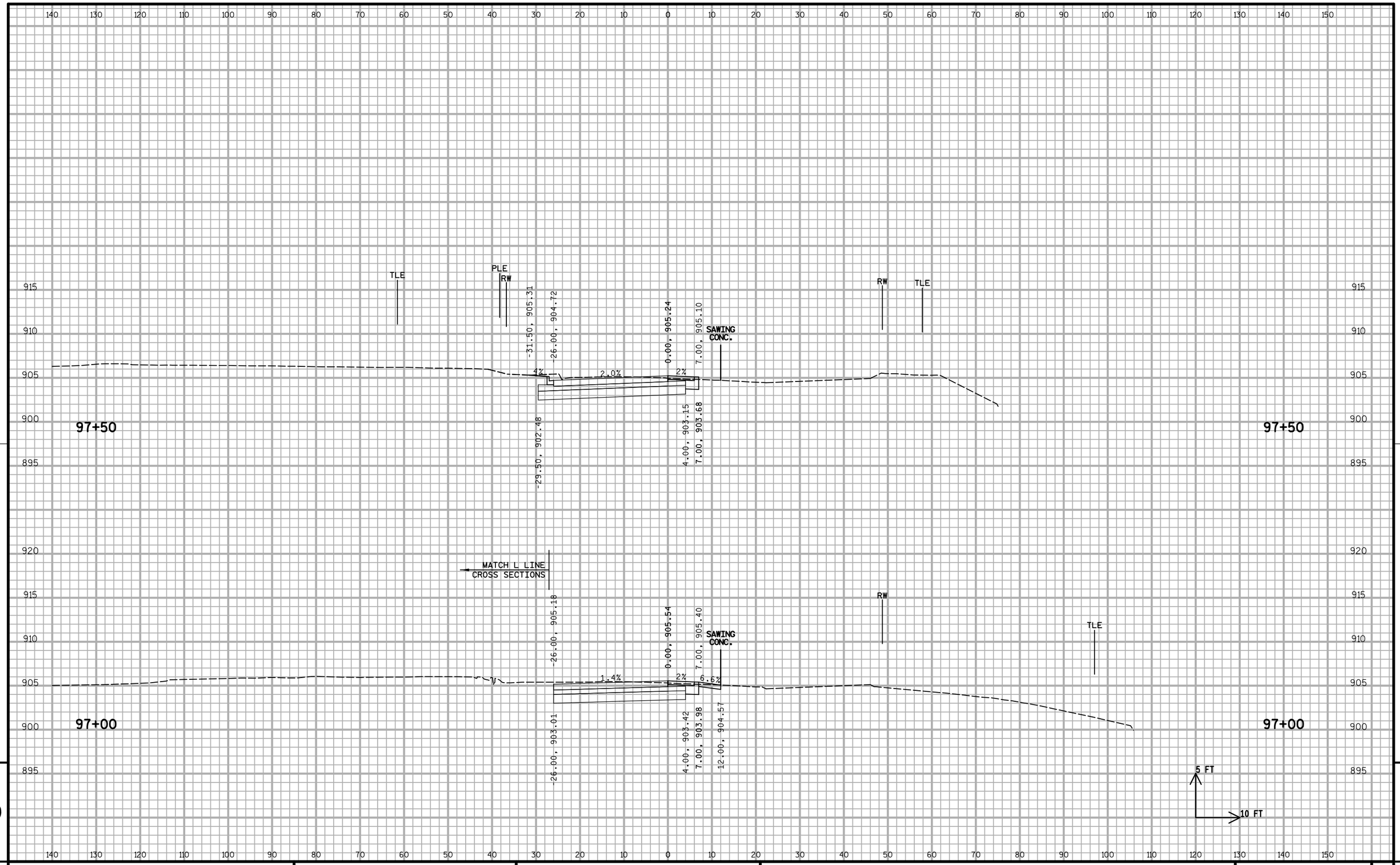
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

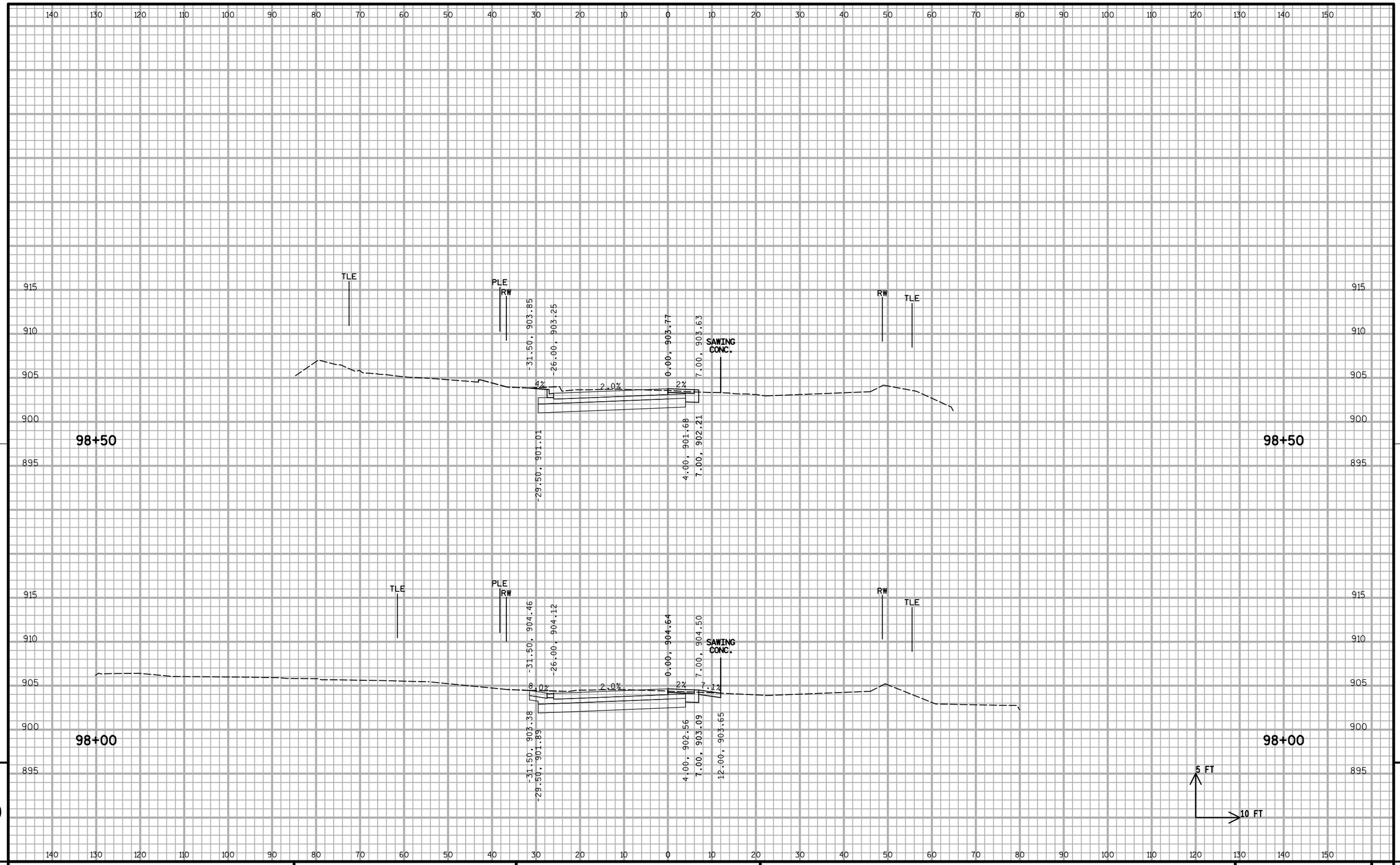


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 676	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



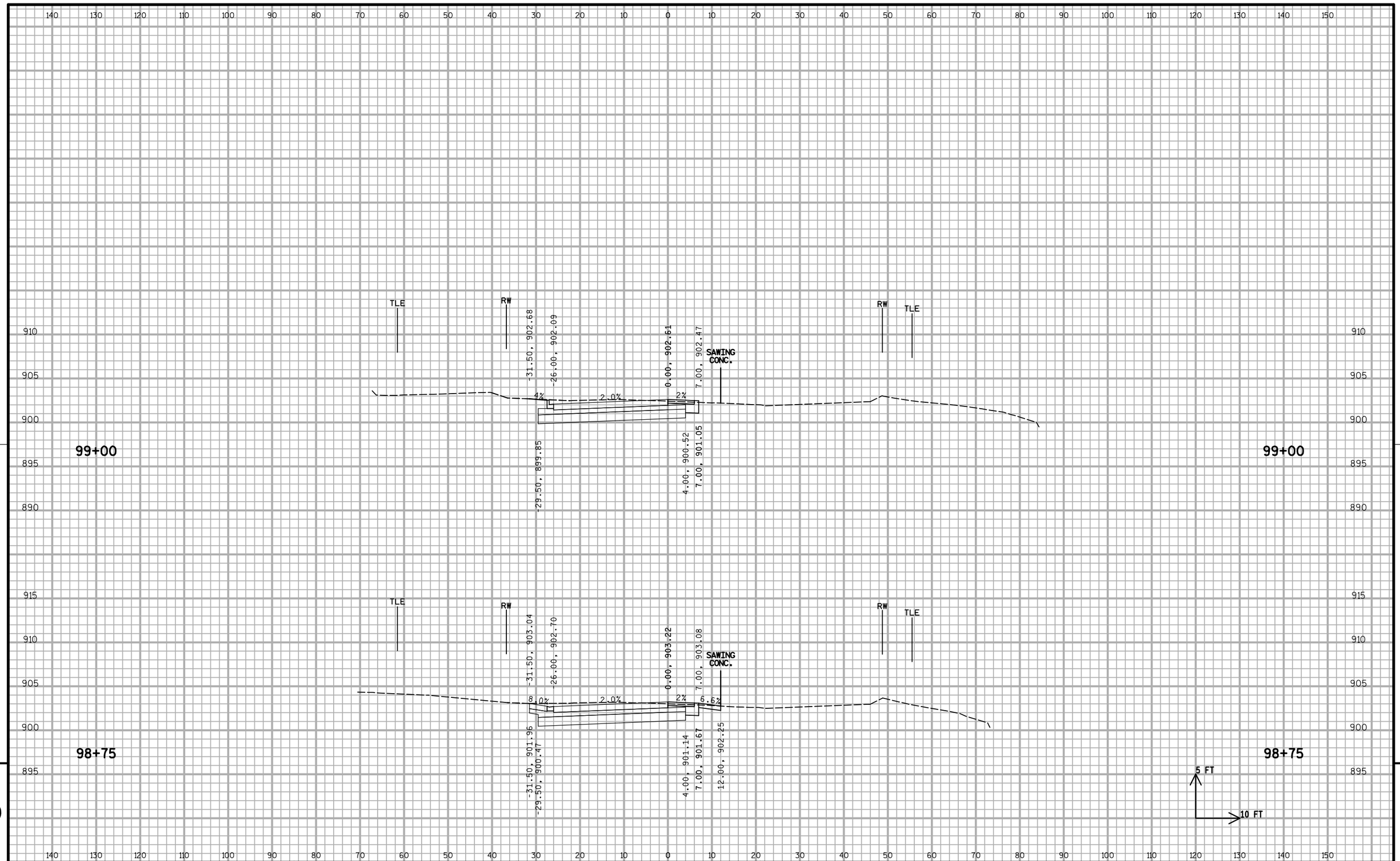
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

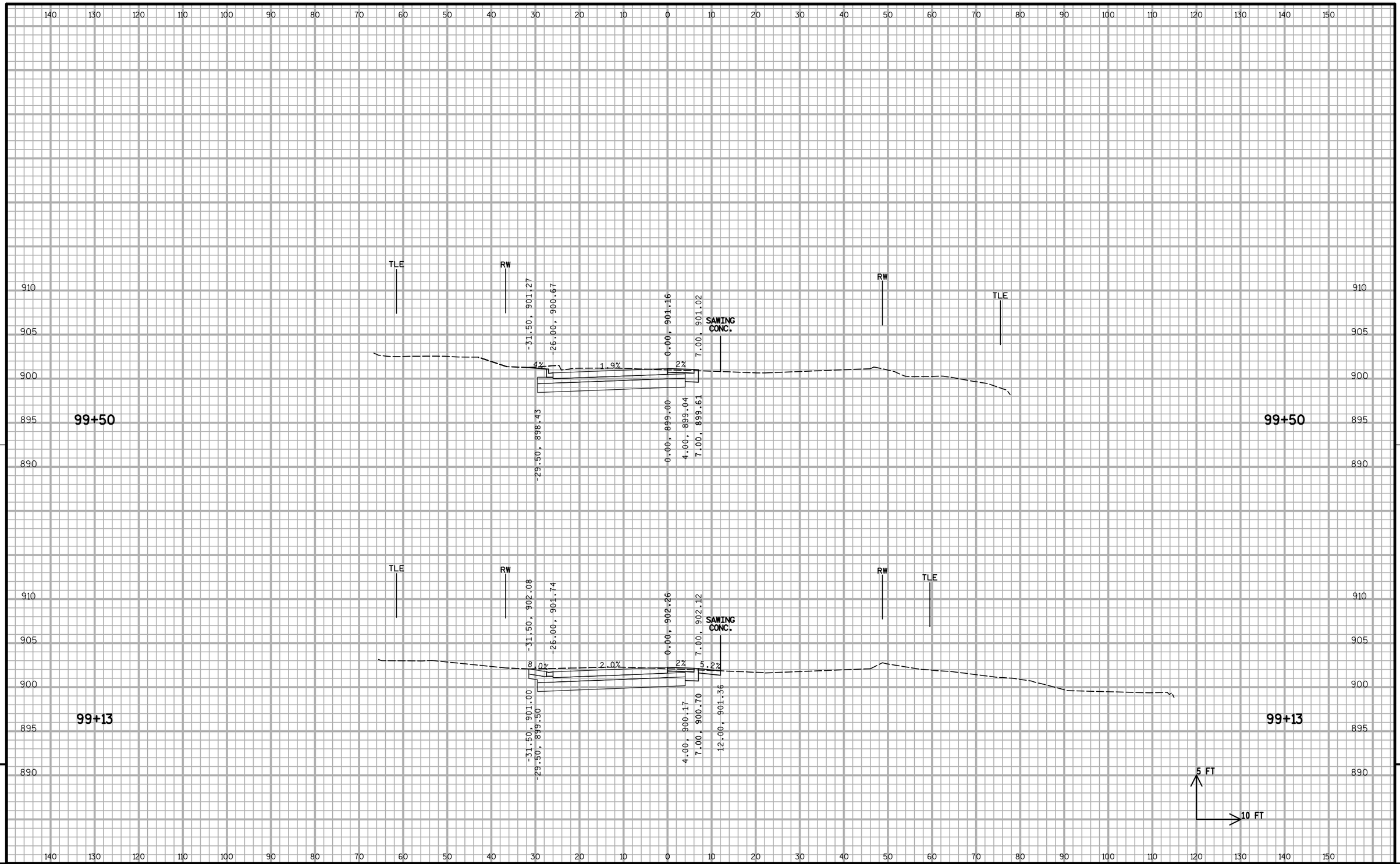
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 678	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

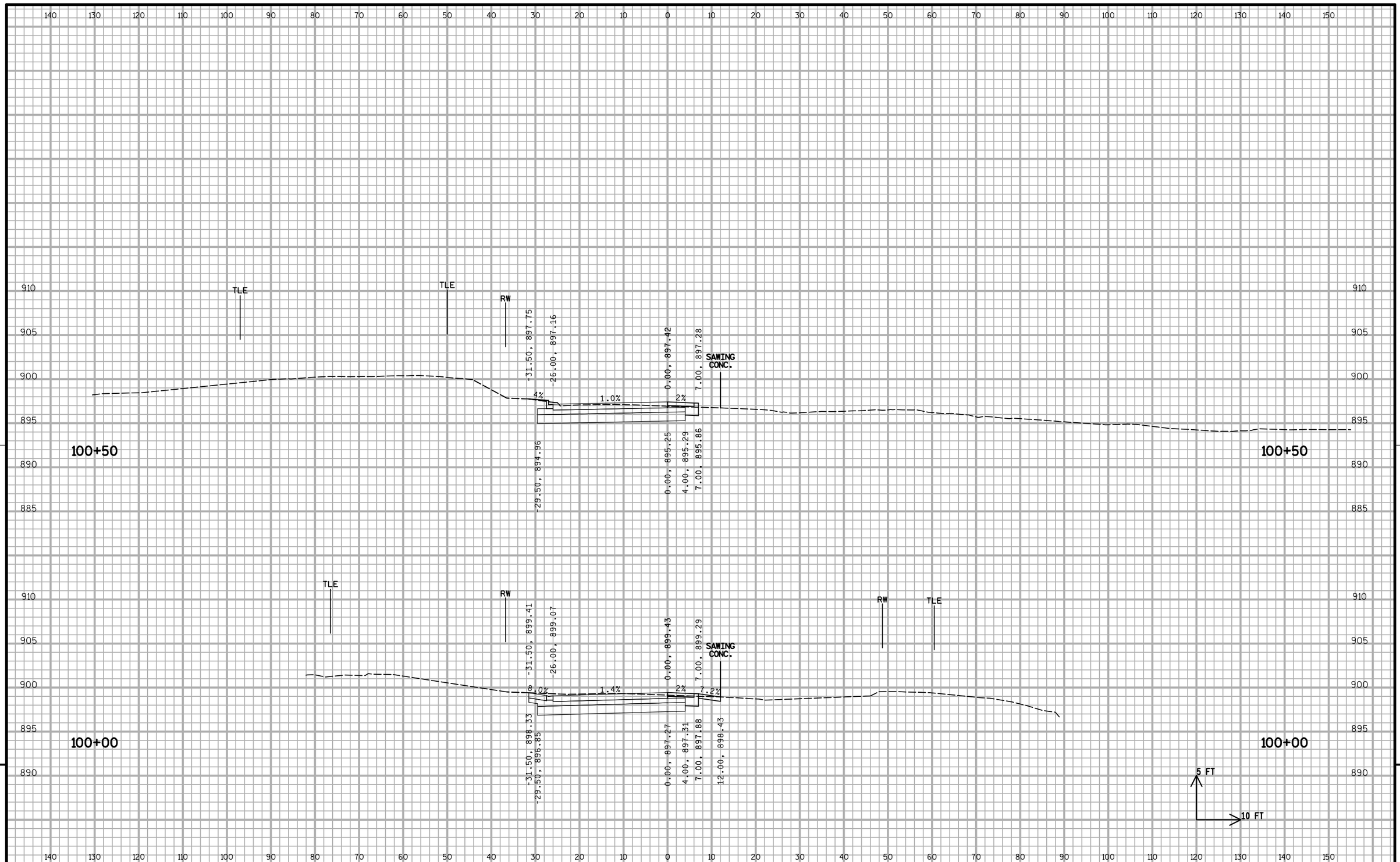
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

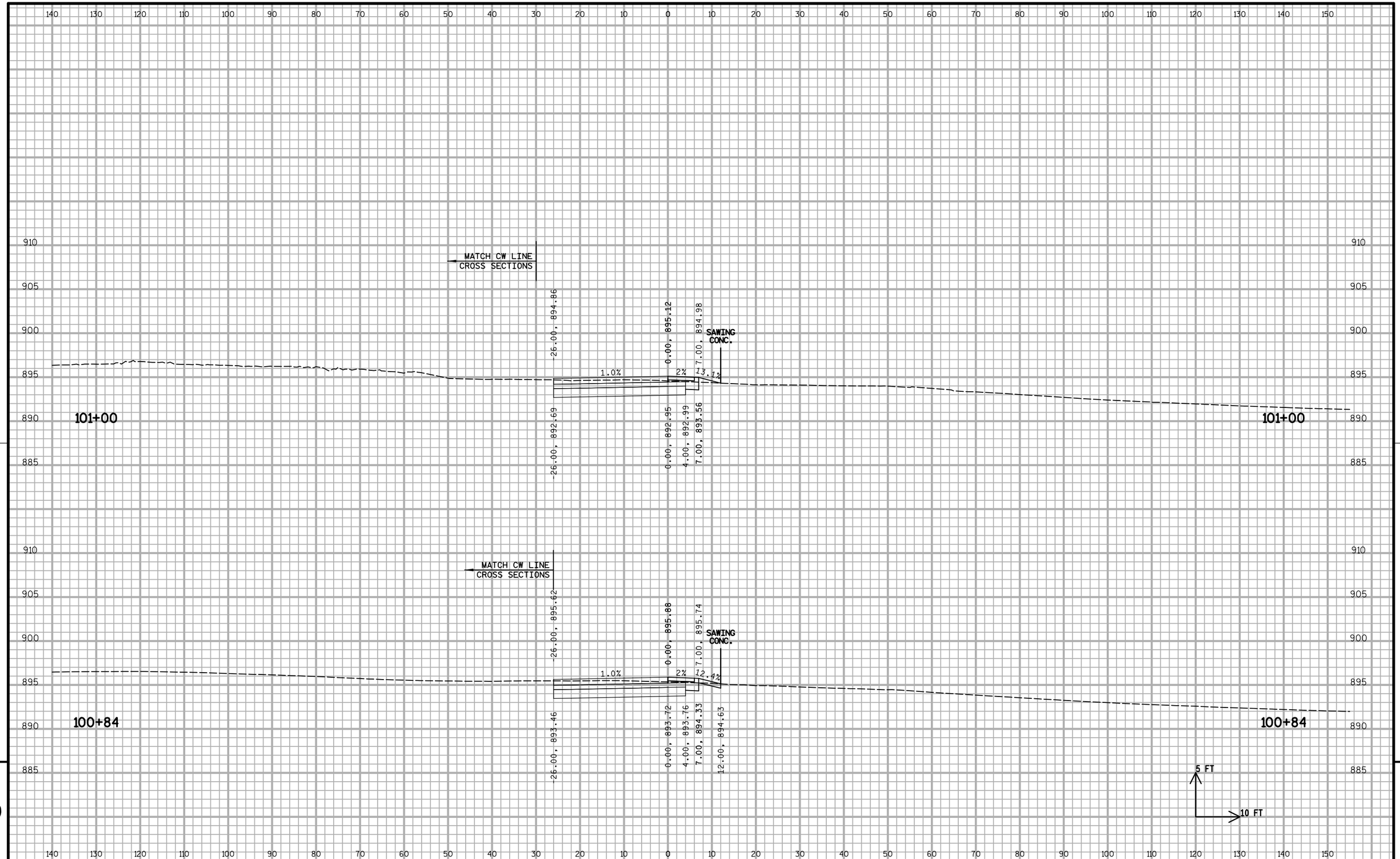
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 680	E

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WISDOT/CADDS SHEET 21

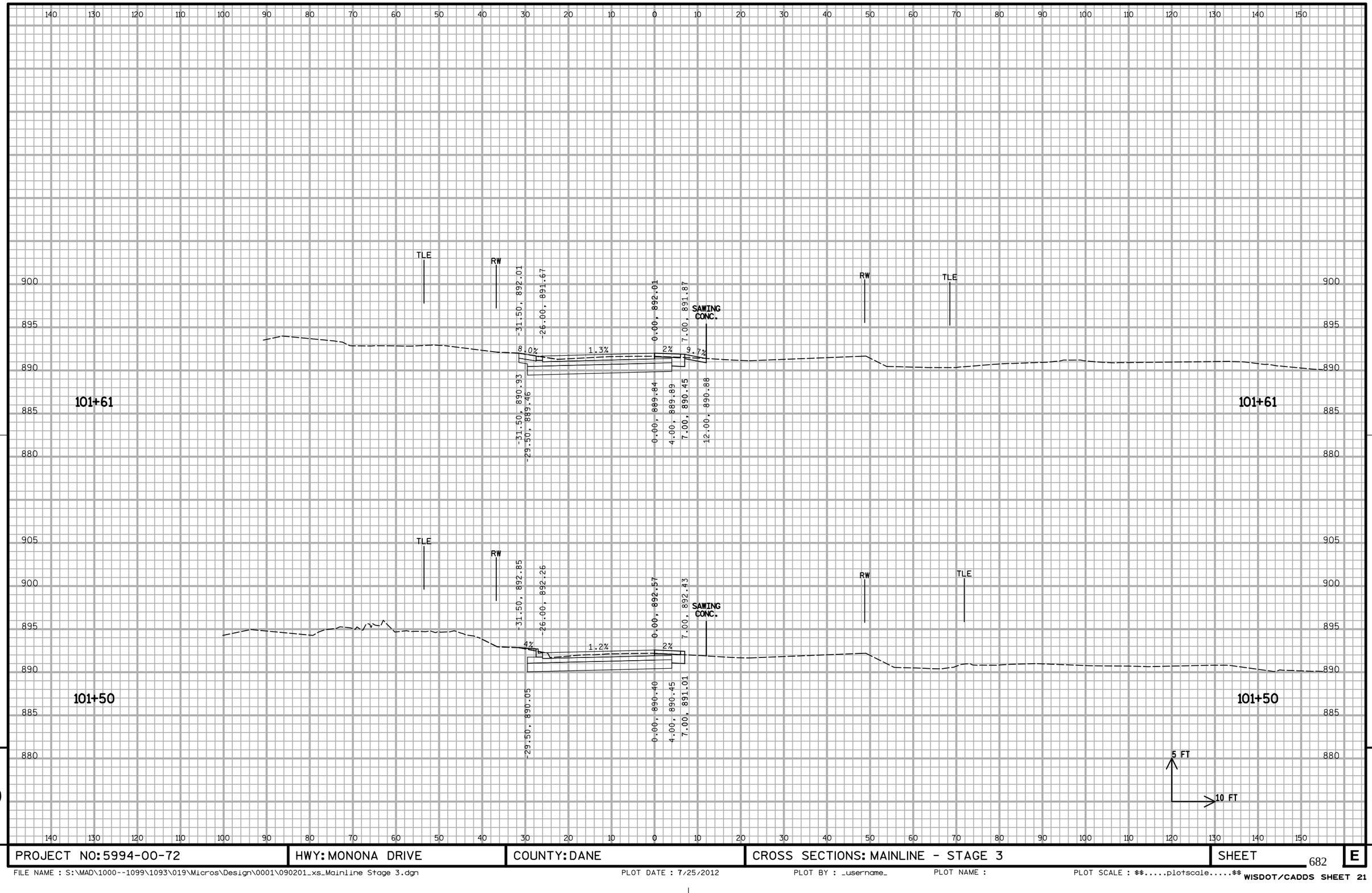


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 681	E

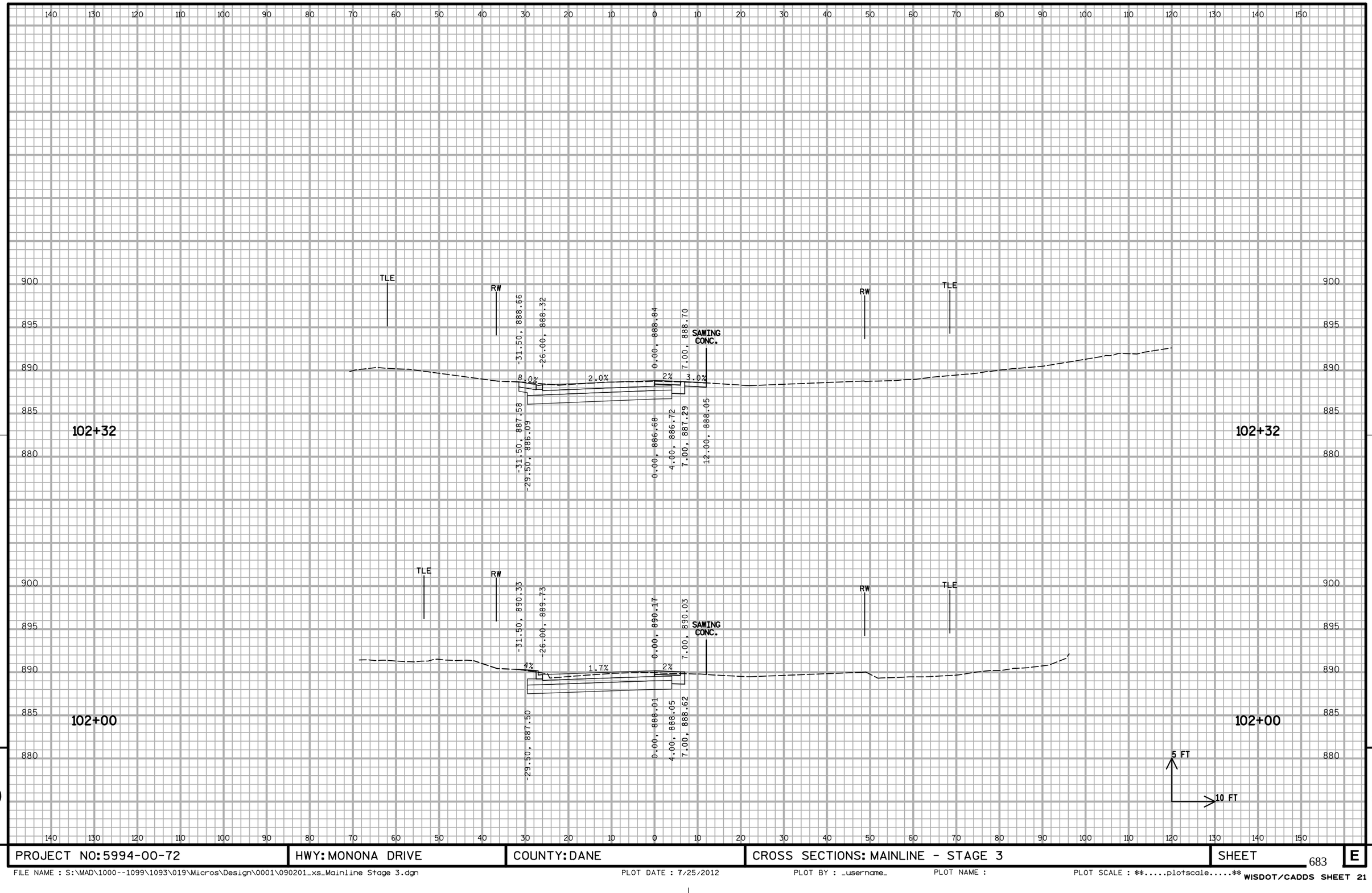
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 682	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

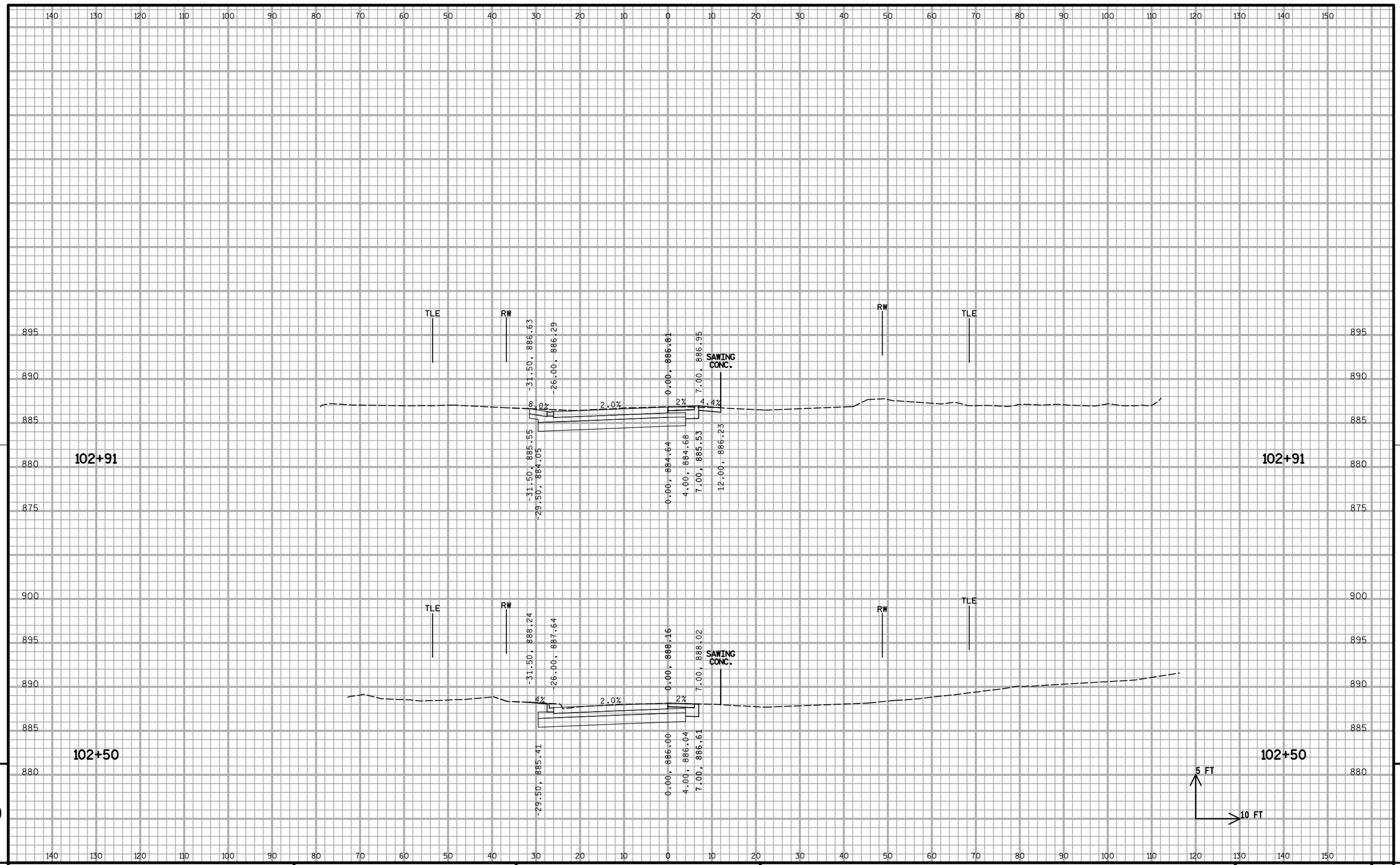


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 683	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

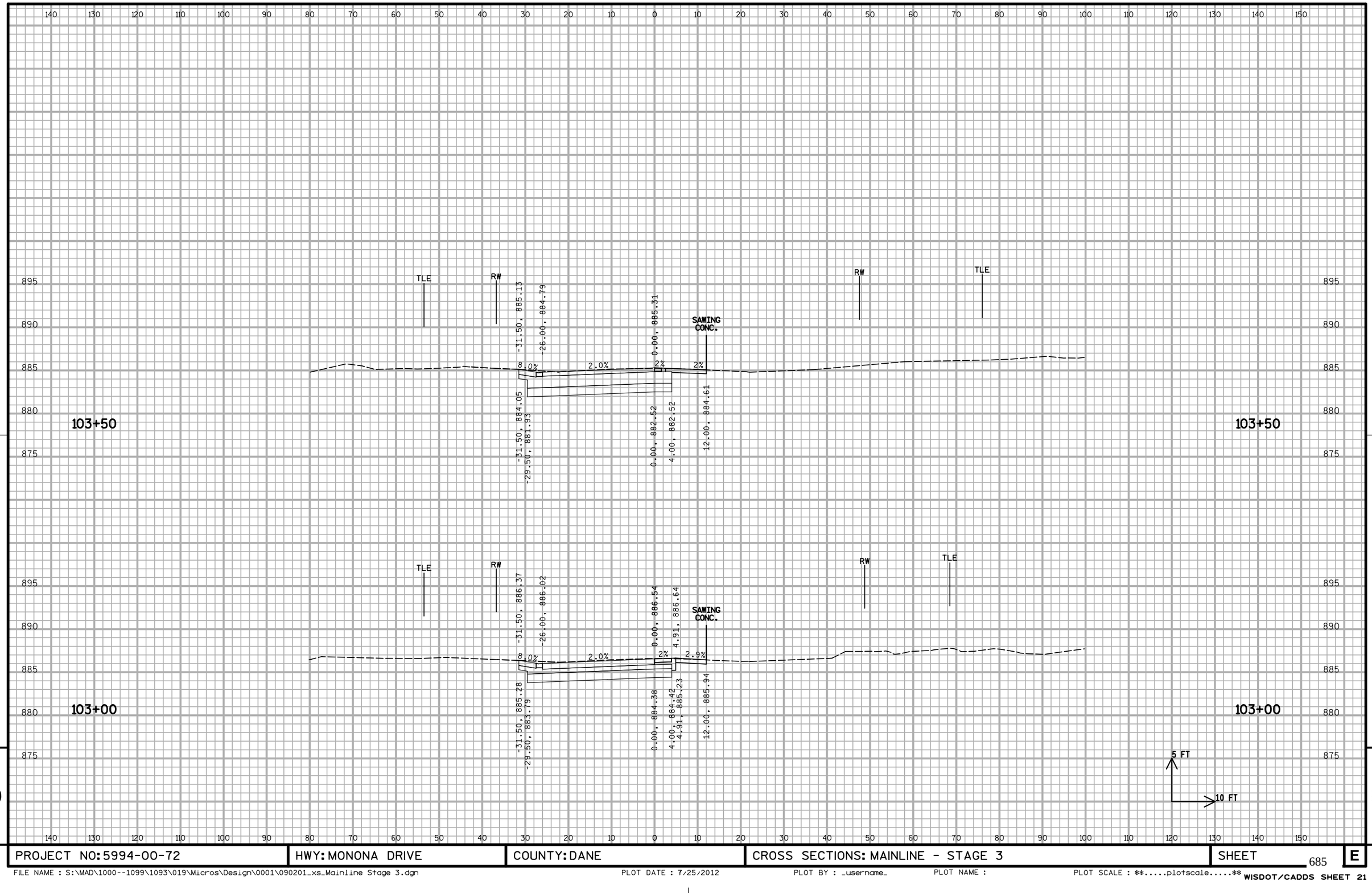


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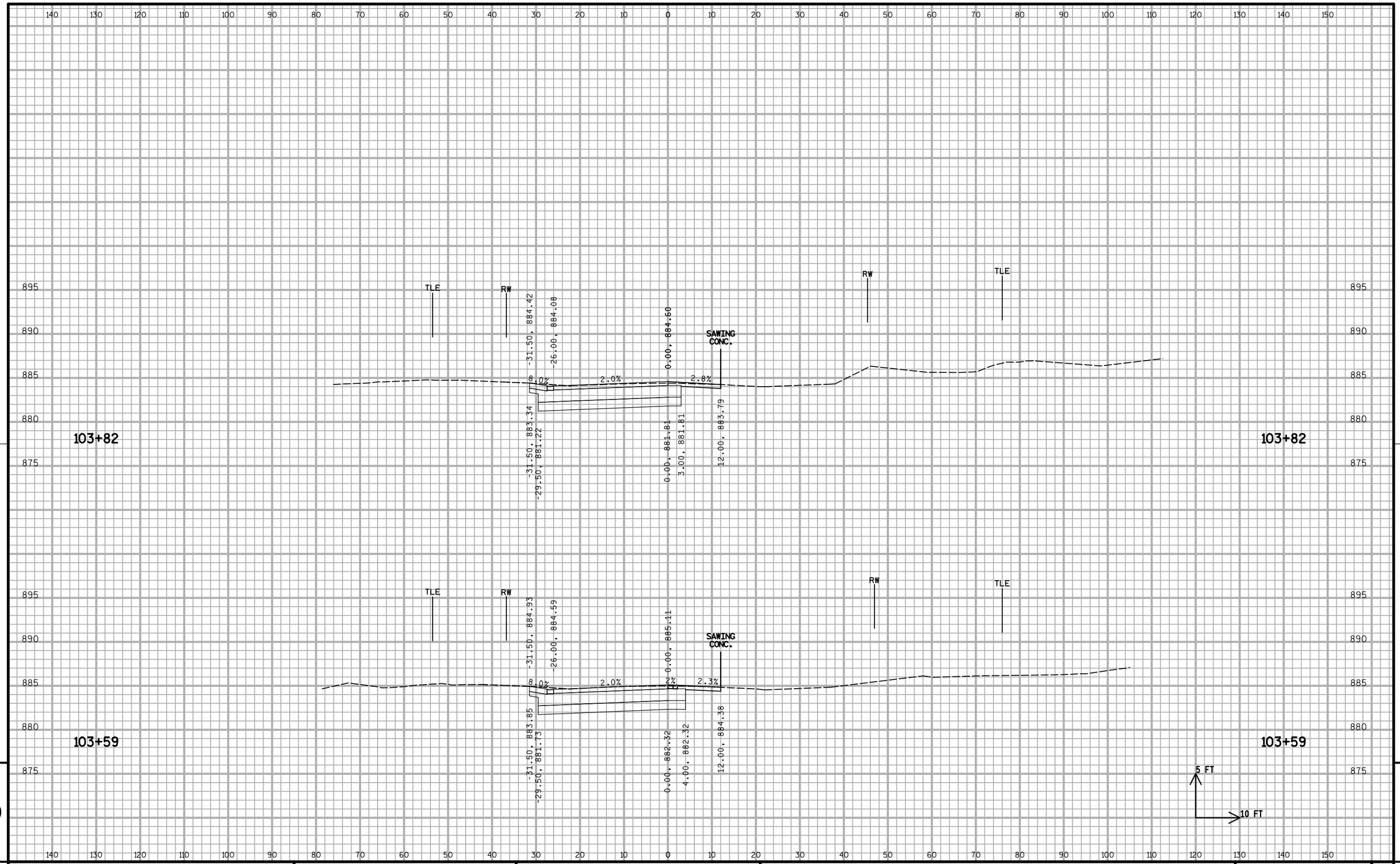
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 684	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 685	E

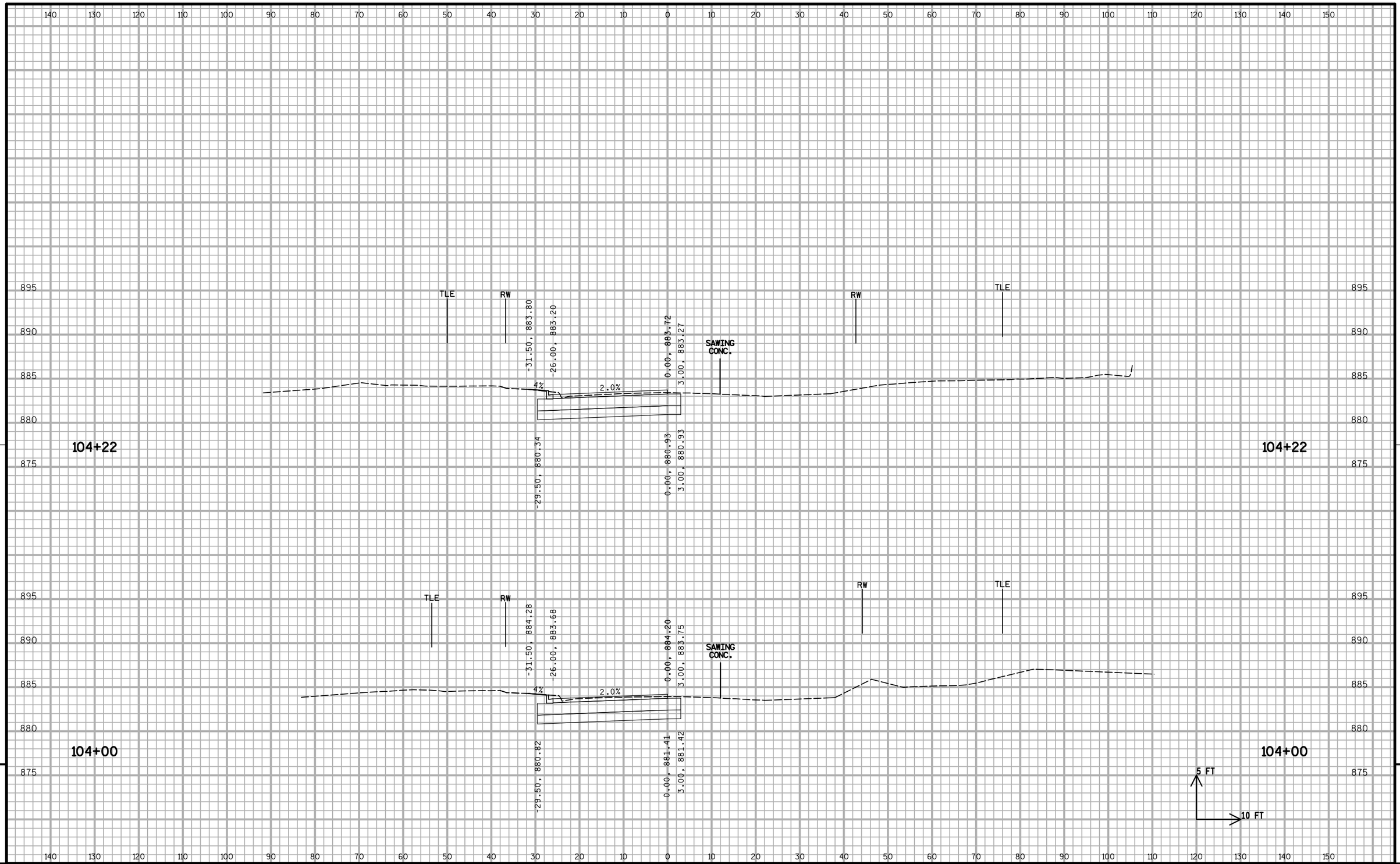


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



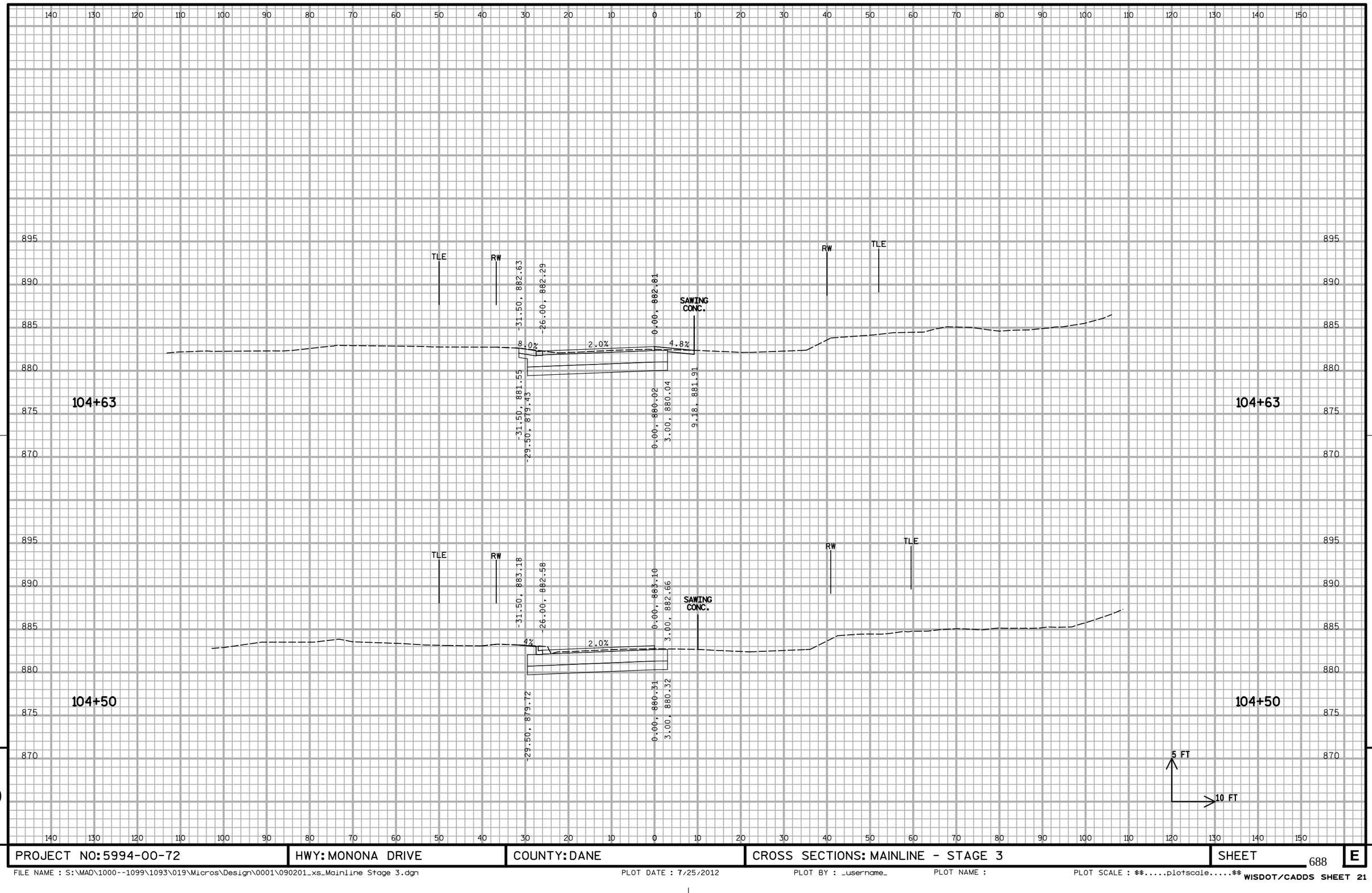
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 687	E

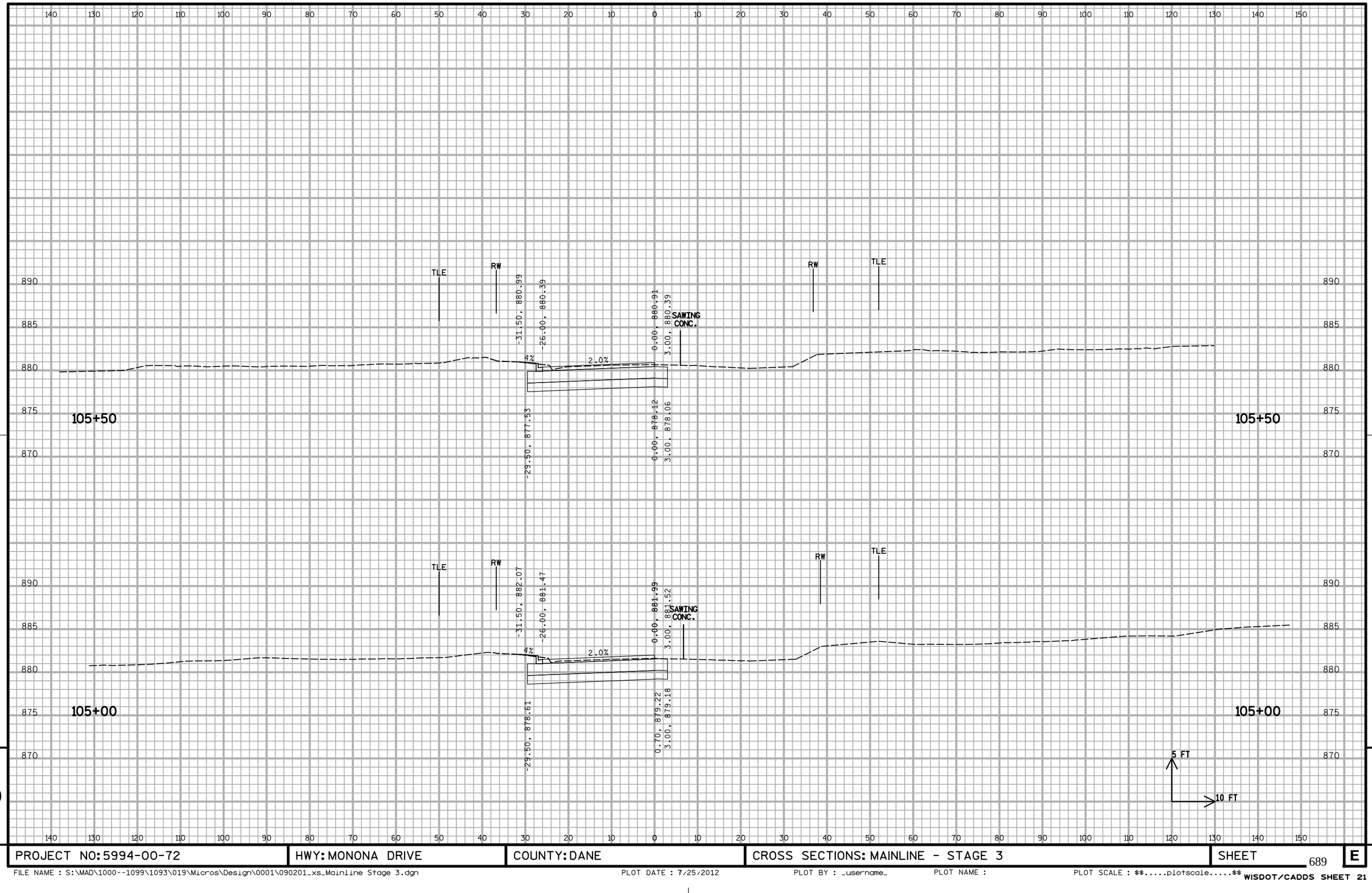
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 688	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

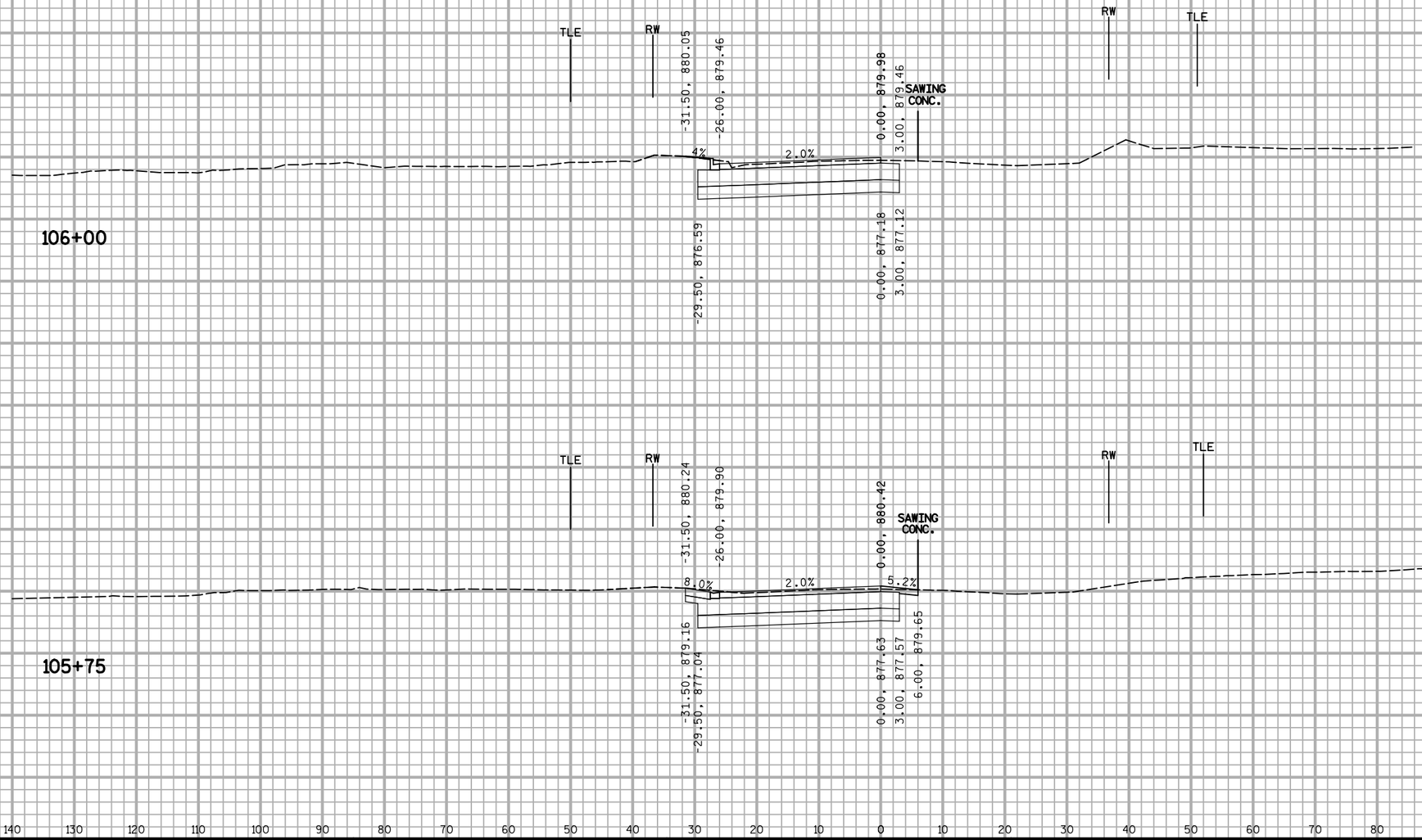


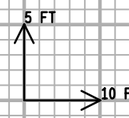
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 689	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



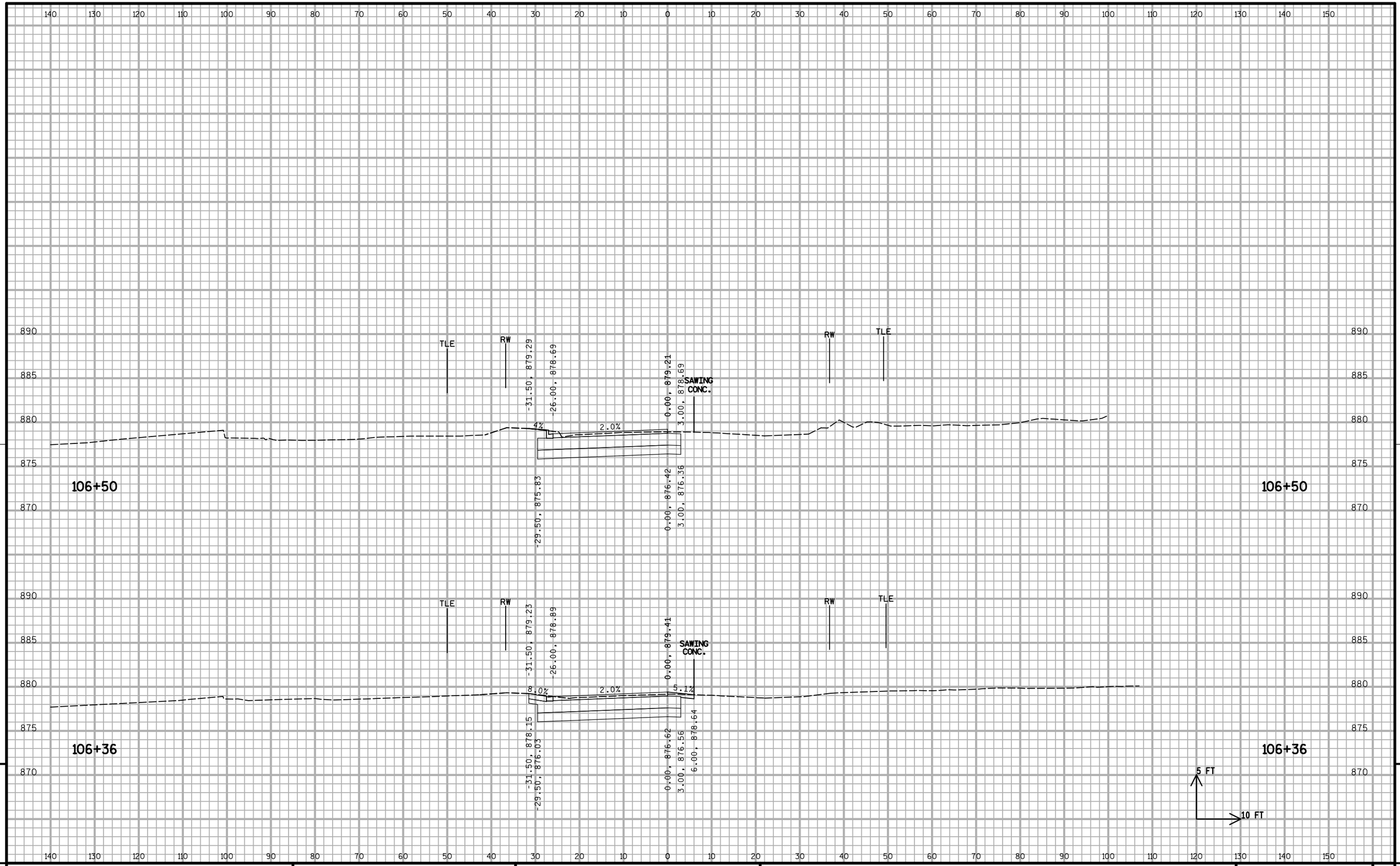


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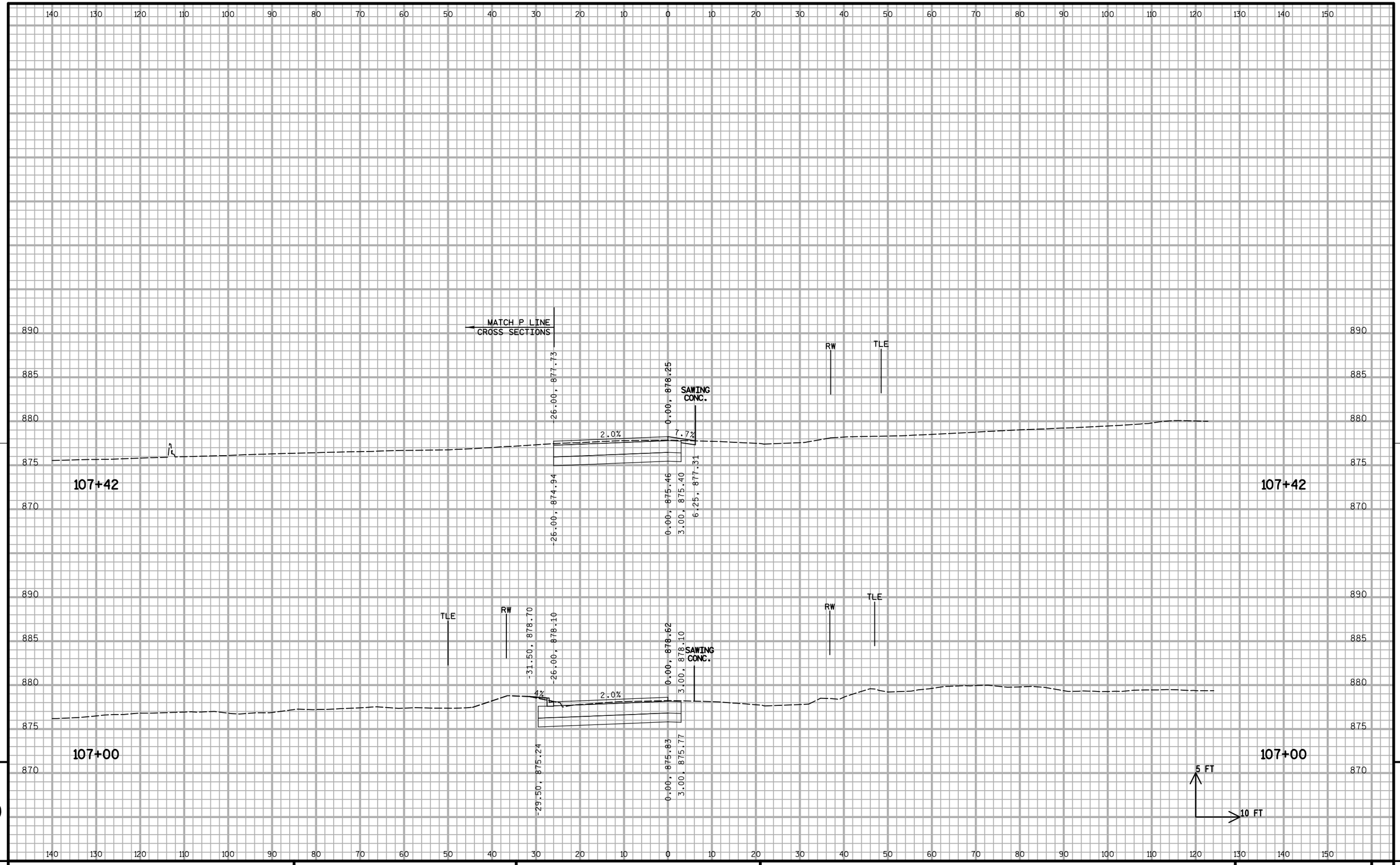
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FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



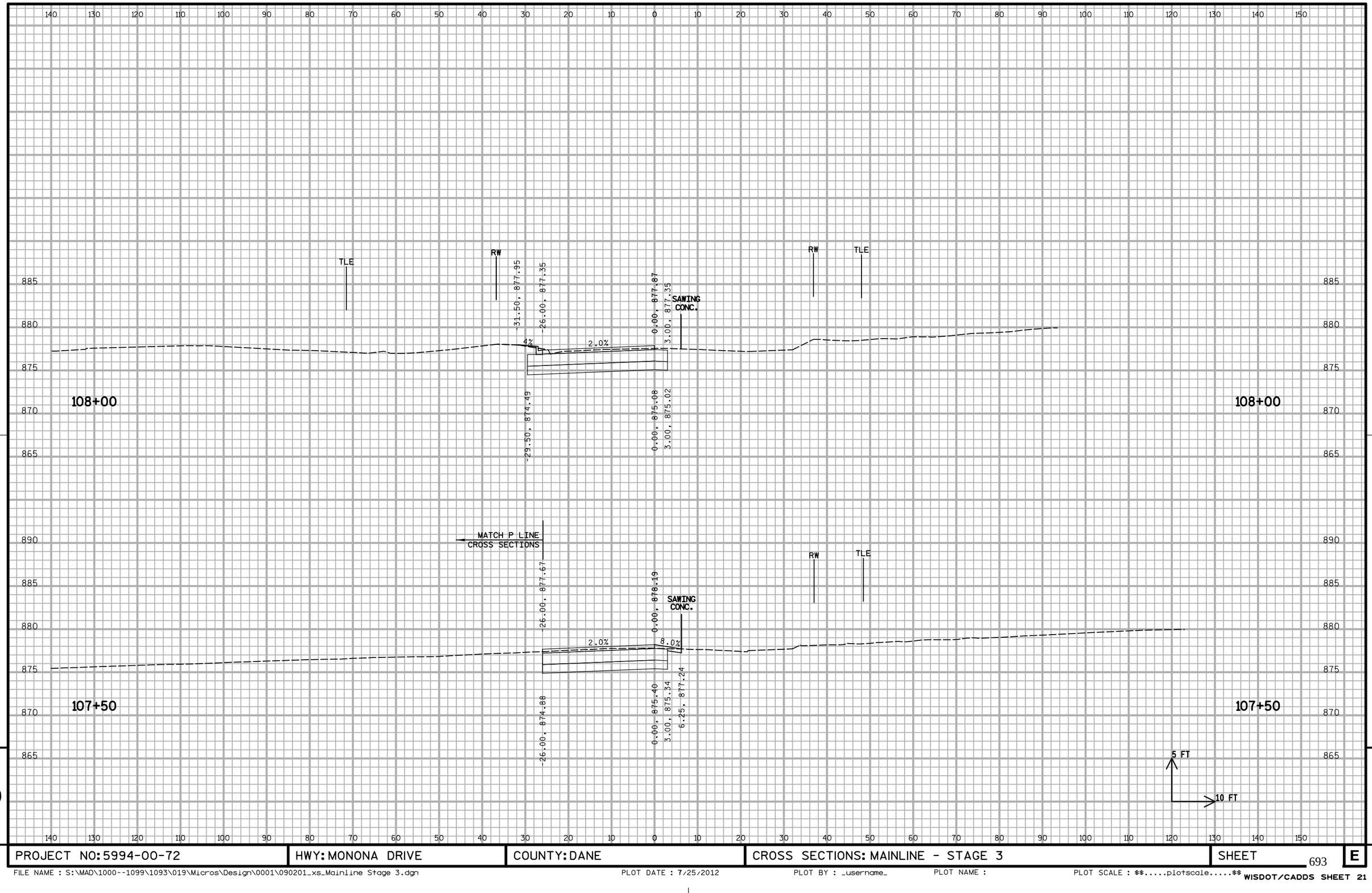
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 691	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



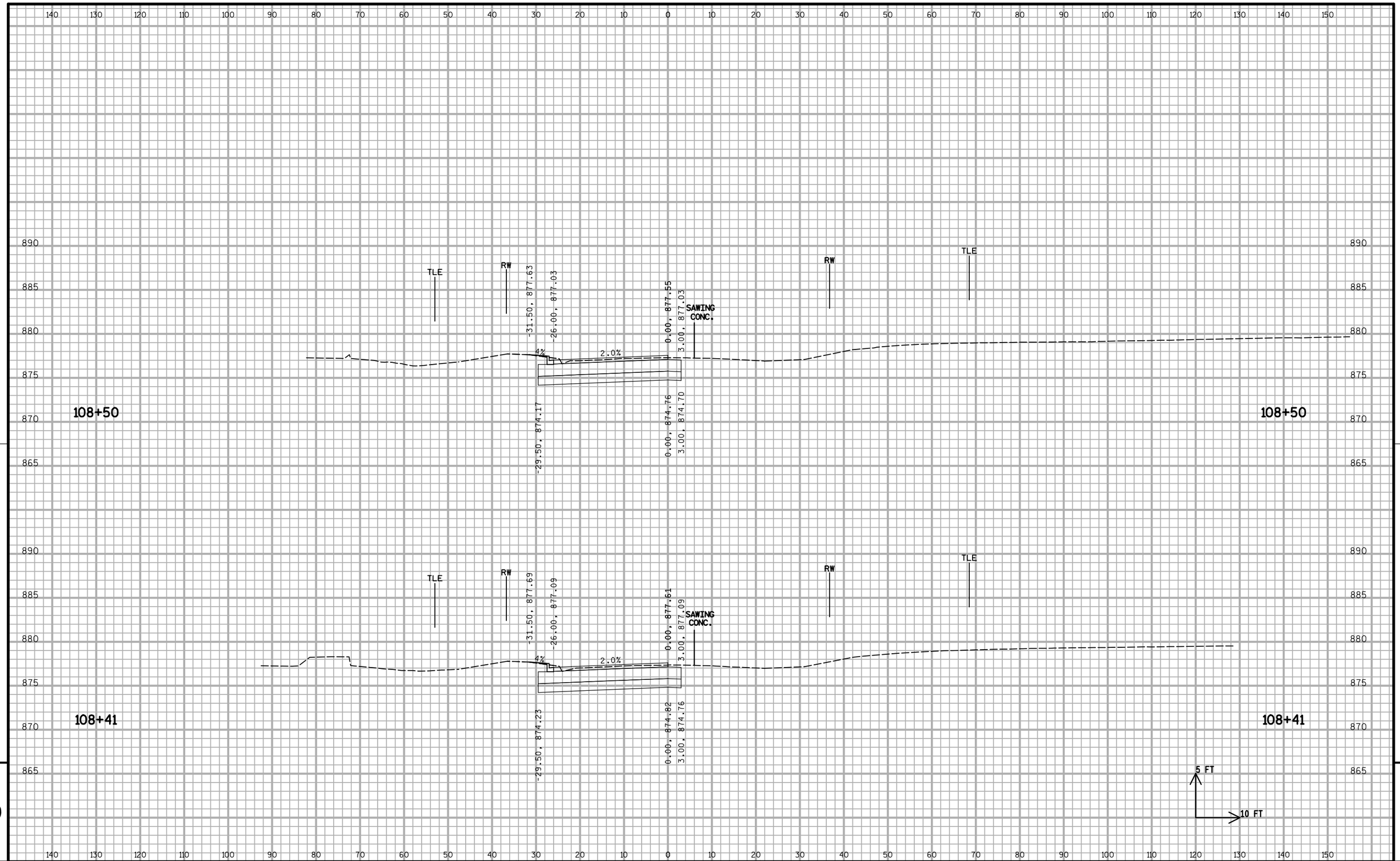
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



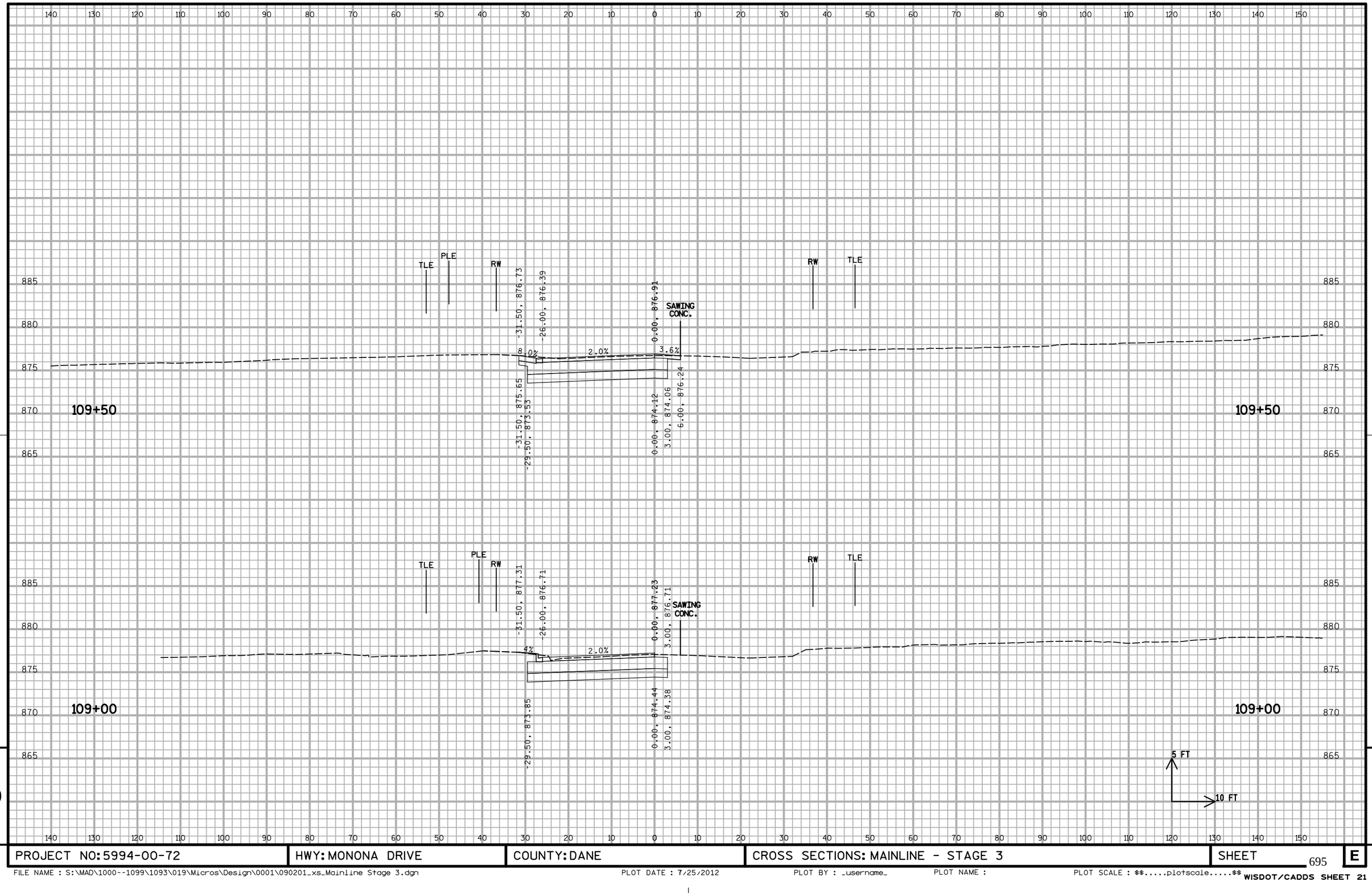
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 694	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

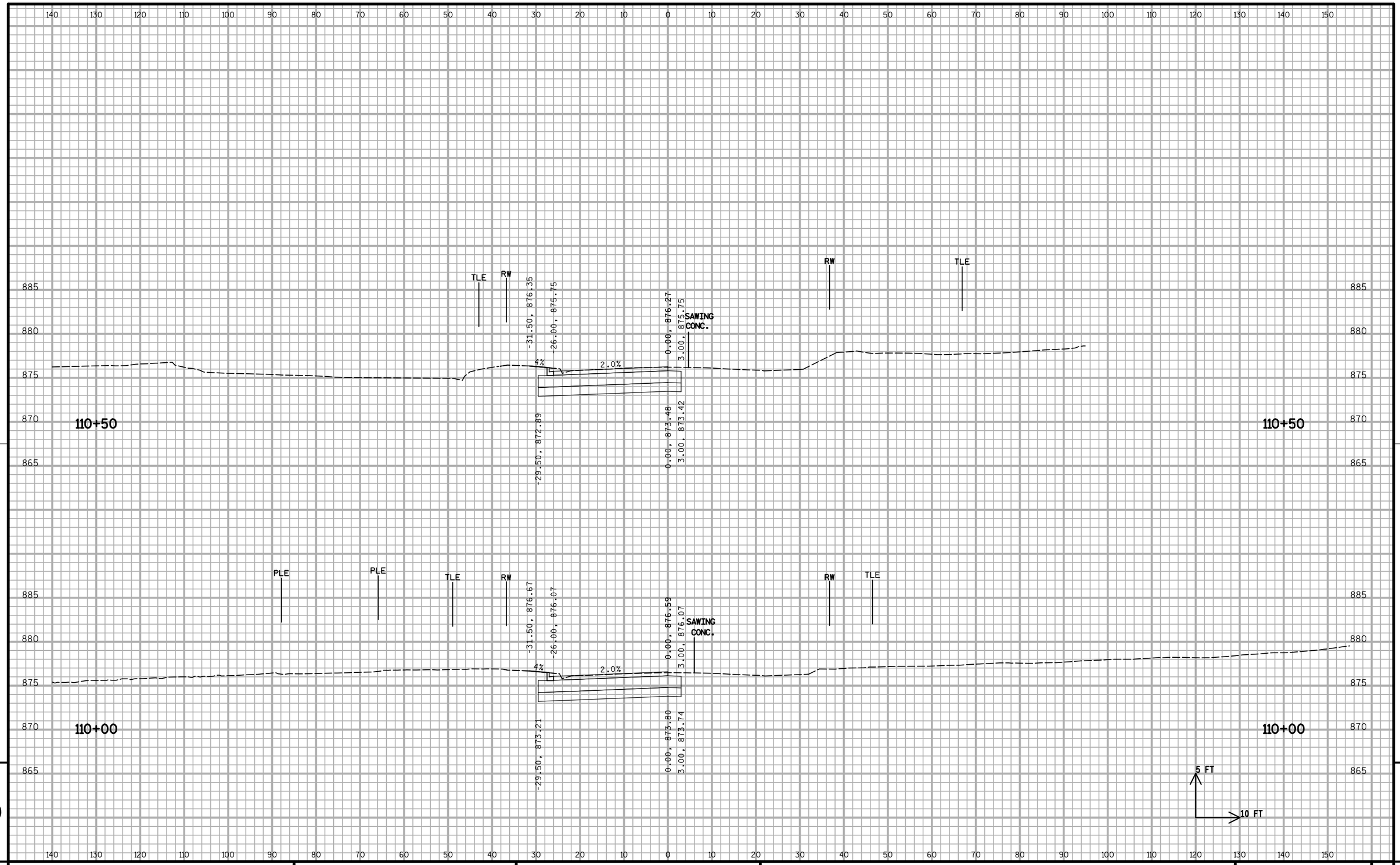


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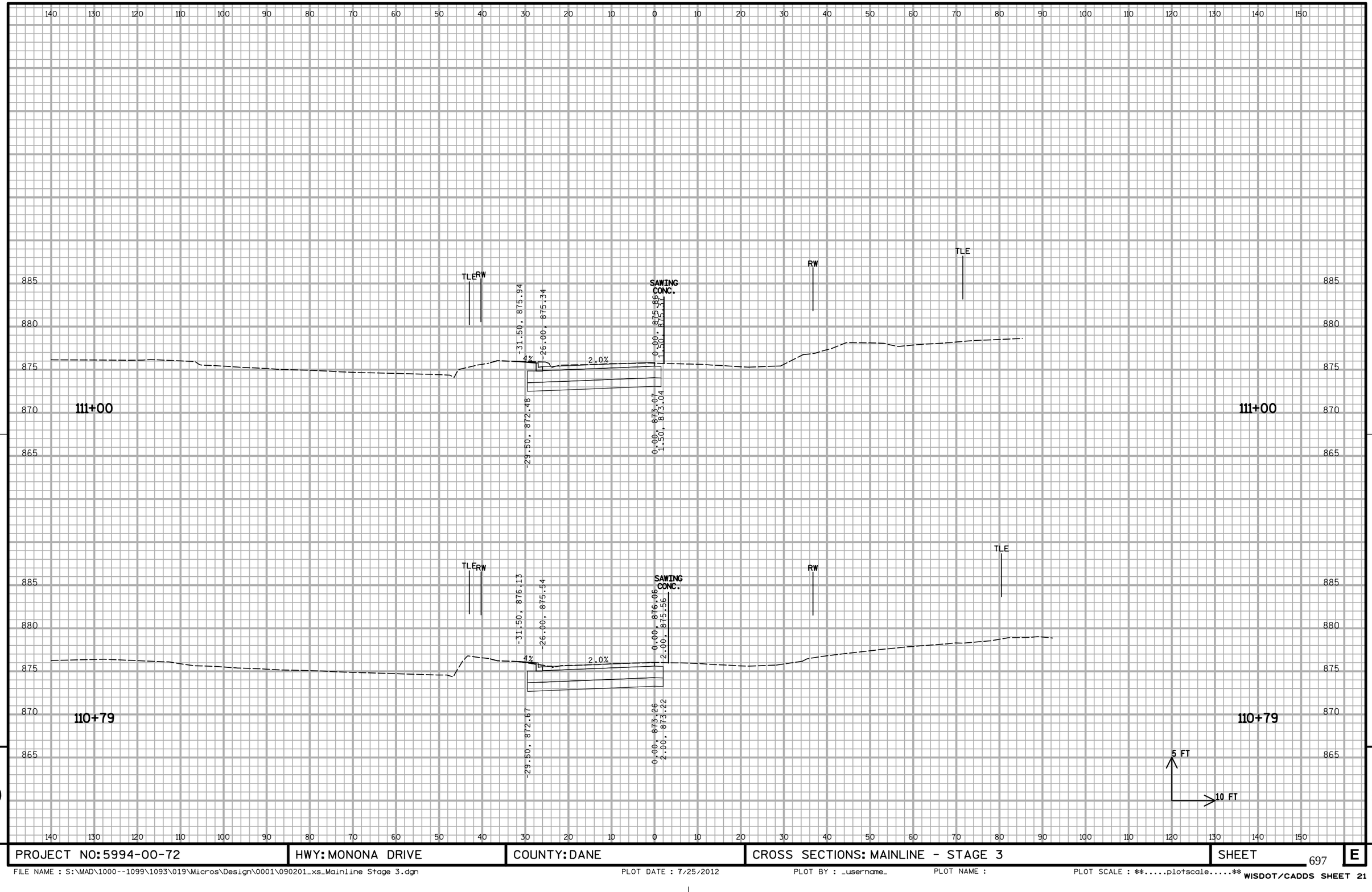
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 695	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 696	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 697	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

112+00 **112+00**

875 875

111+50 **111+50**

875 875

TLE RW RW TLE

885 885

880 880

875 875

870 870

111+23 **111+23**

865 865

-26.00, 875.09 0.00, 875.61

2.0%

-26.04, 872.30 0.00, 872.82

TLE RW RW TLE

885 885

880 880

875 875

870 870

111+18 **111+18**

865 865

SAWING CONC.

-31.50, 875.75 -26.00, 875.15 0.00, 875.67

4% 2.0%

-29.50, 872.29 0.00, 872.88

5 FT

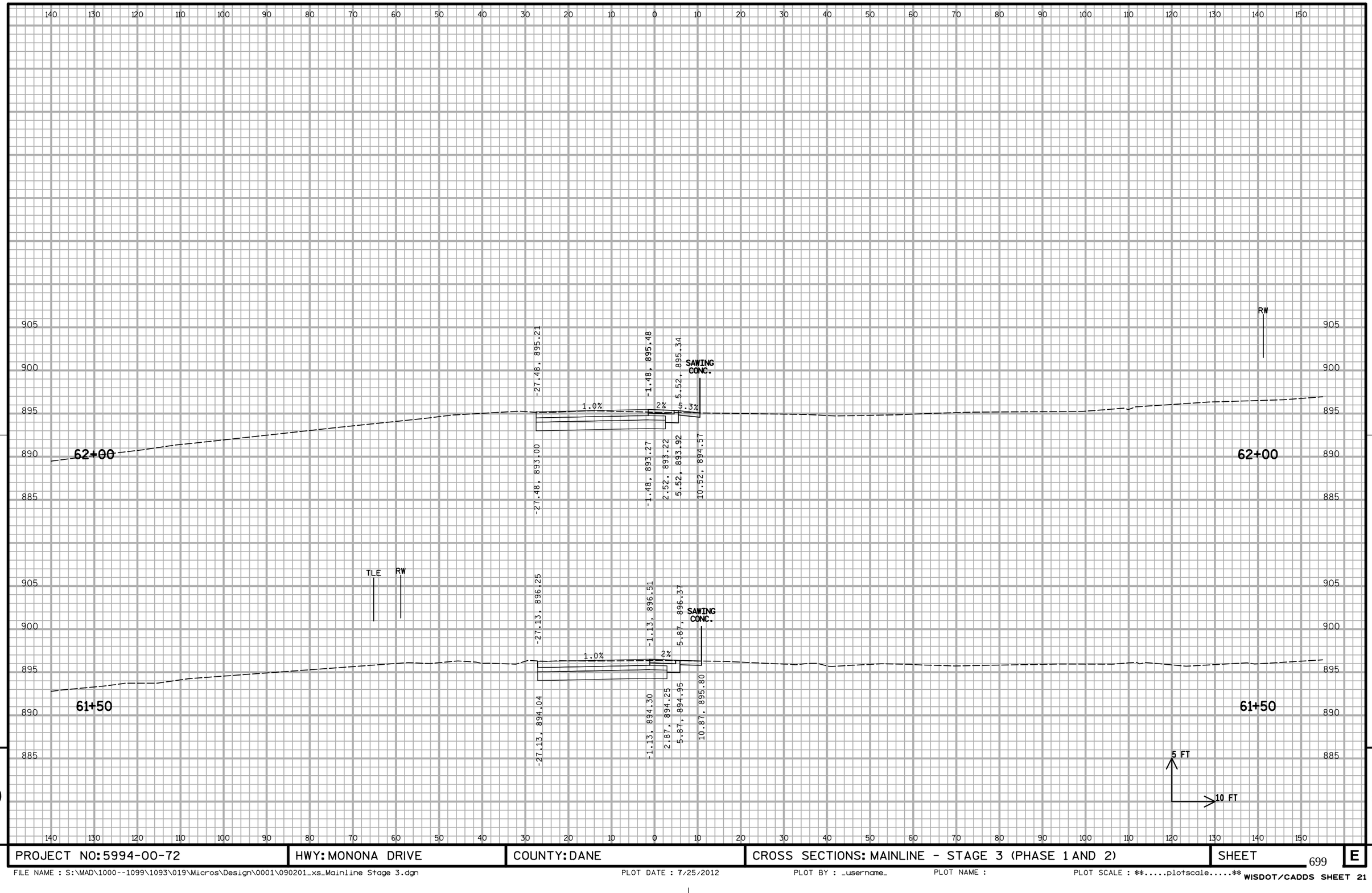
10 FT

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9 9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3	SHEET 698	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

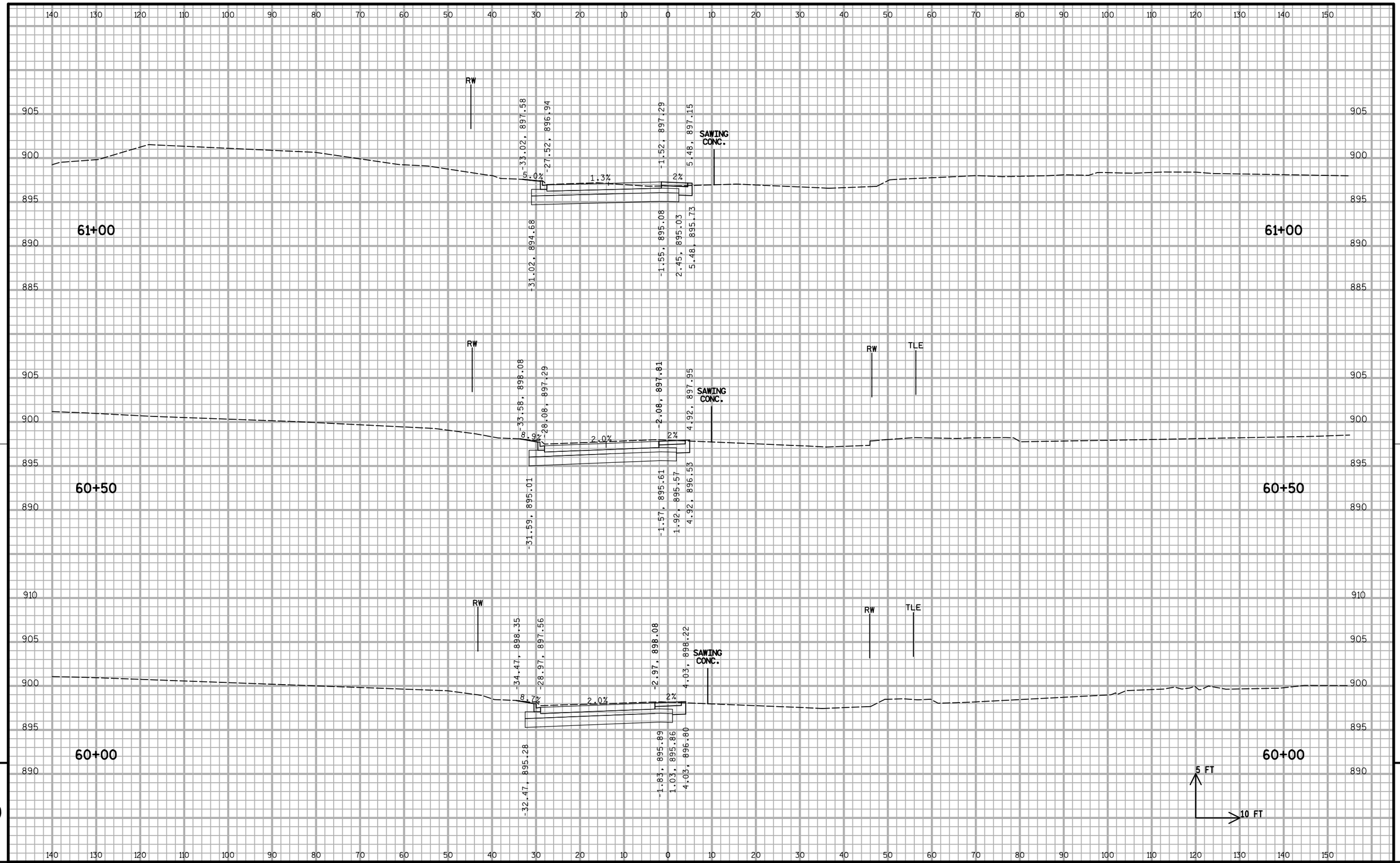


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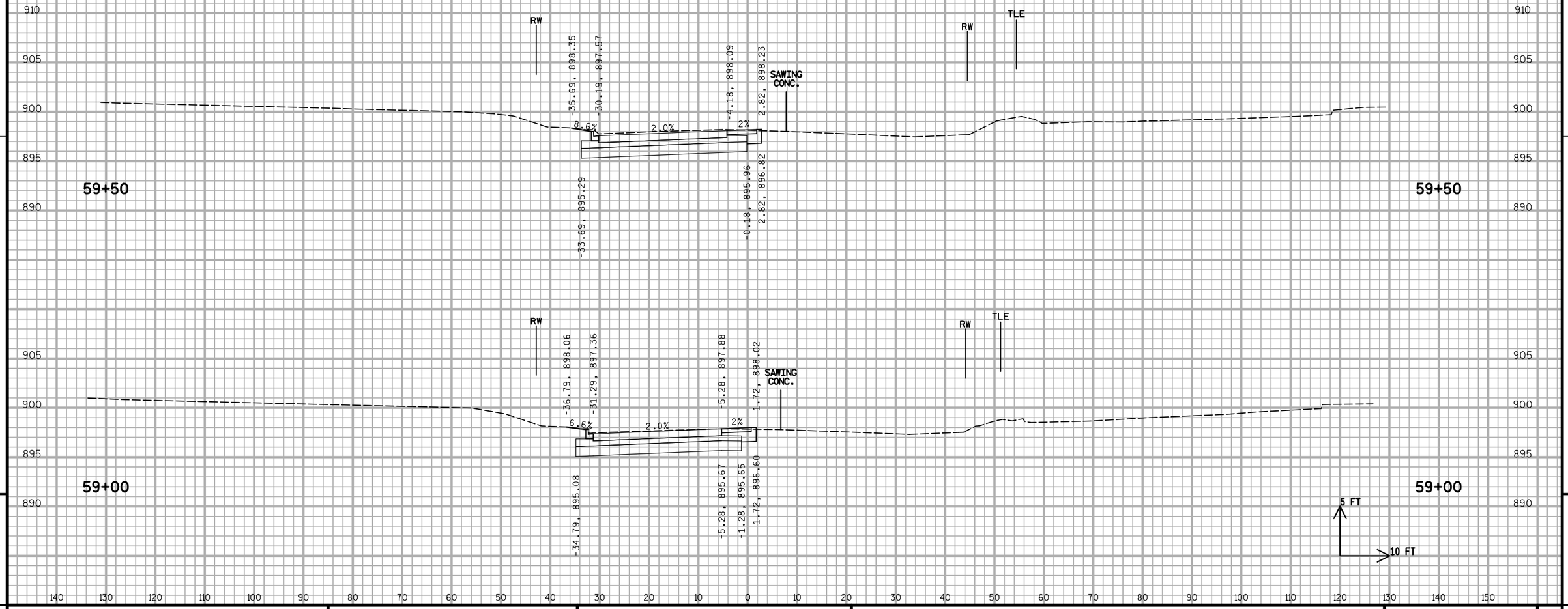
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 1 AND 2)	SHEET 699	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 1 AND 2)	SHEET 700	E

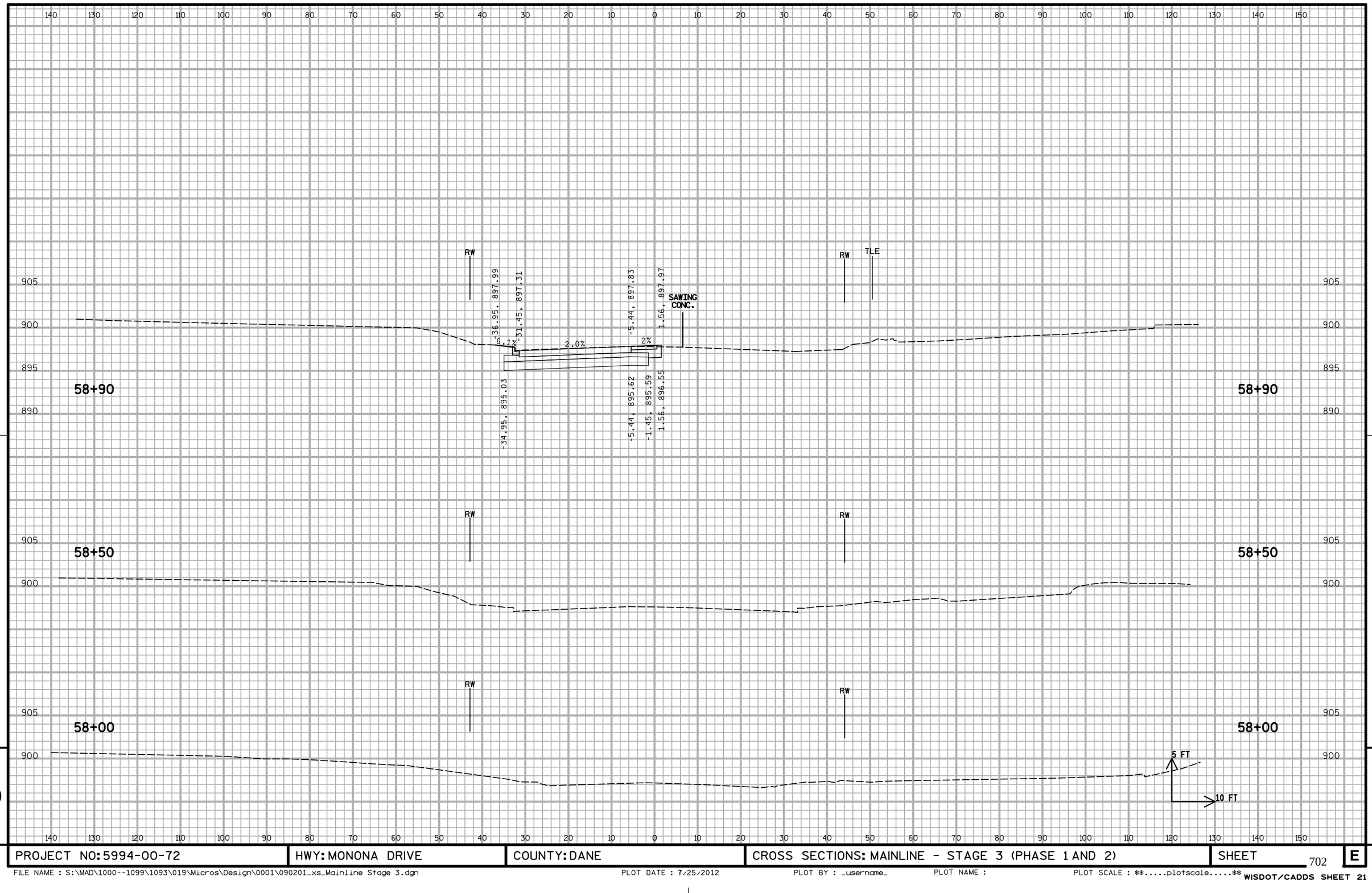
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 1 AND 2)	SHEET 701	E

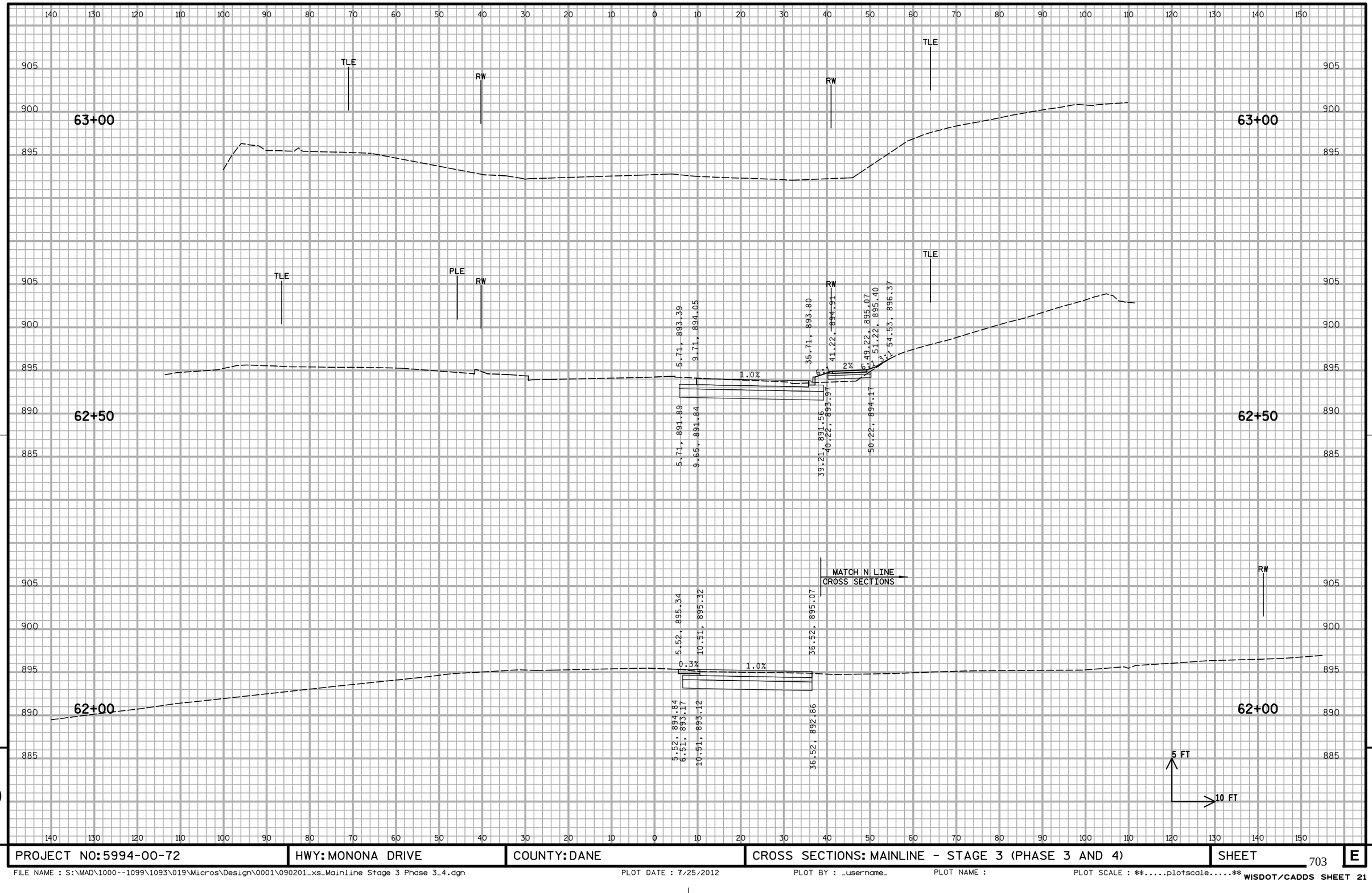
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WISDOT/CADDS SHEET 21



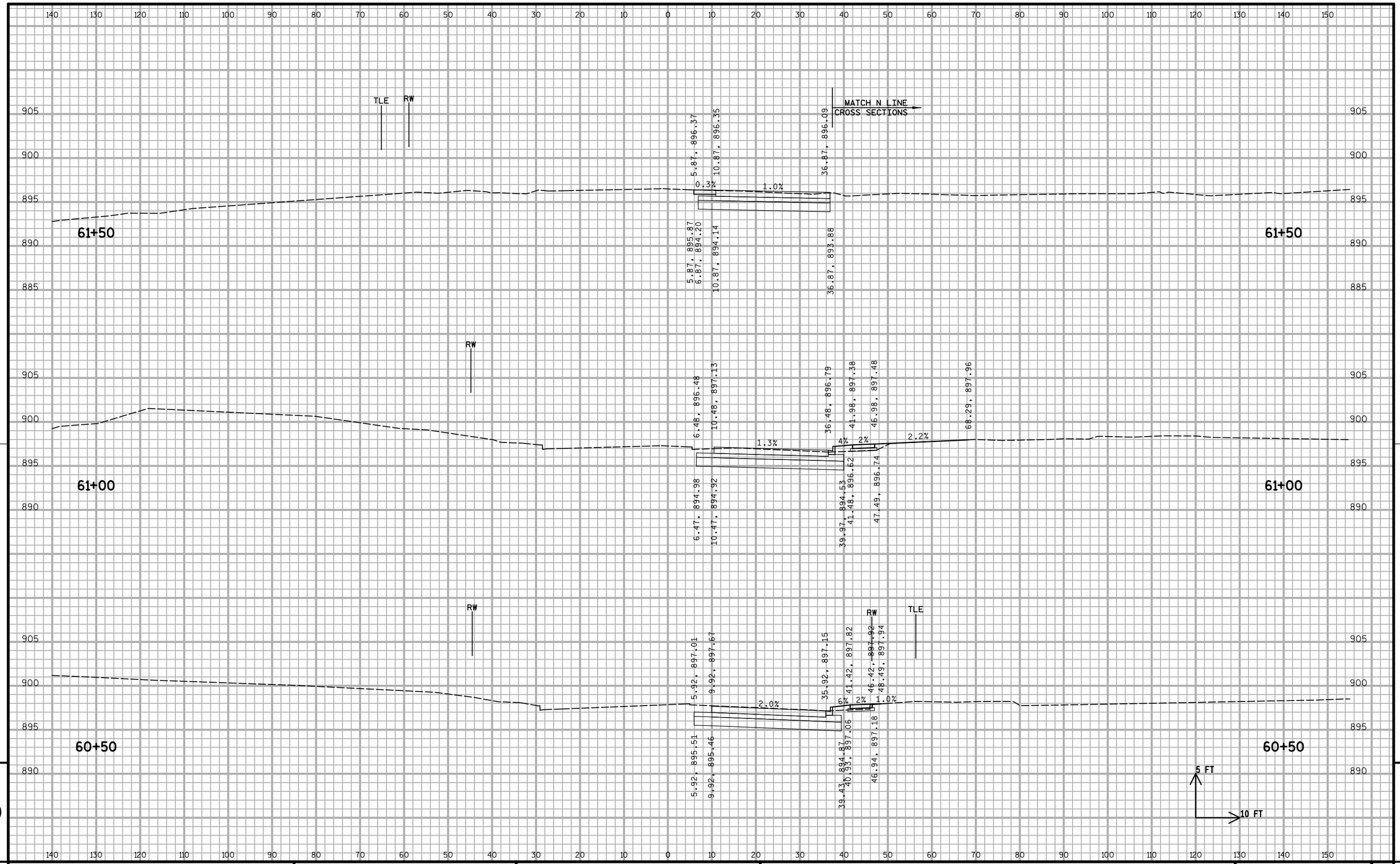
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 1 AND 2)	SHEET 702	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

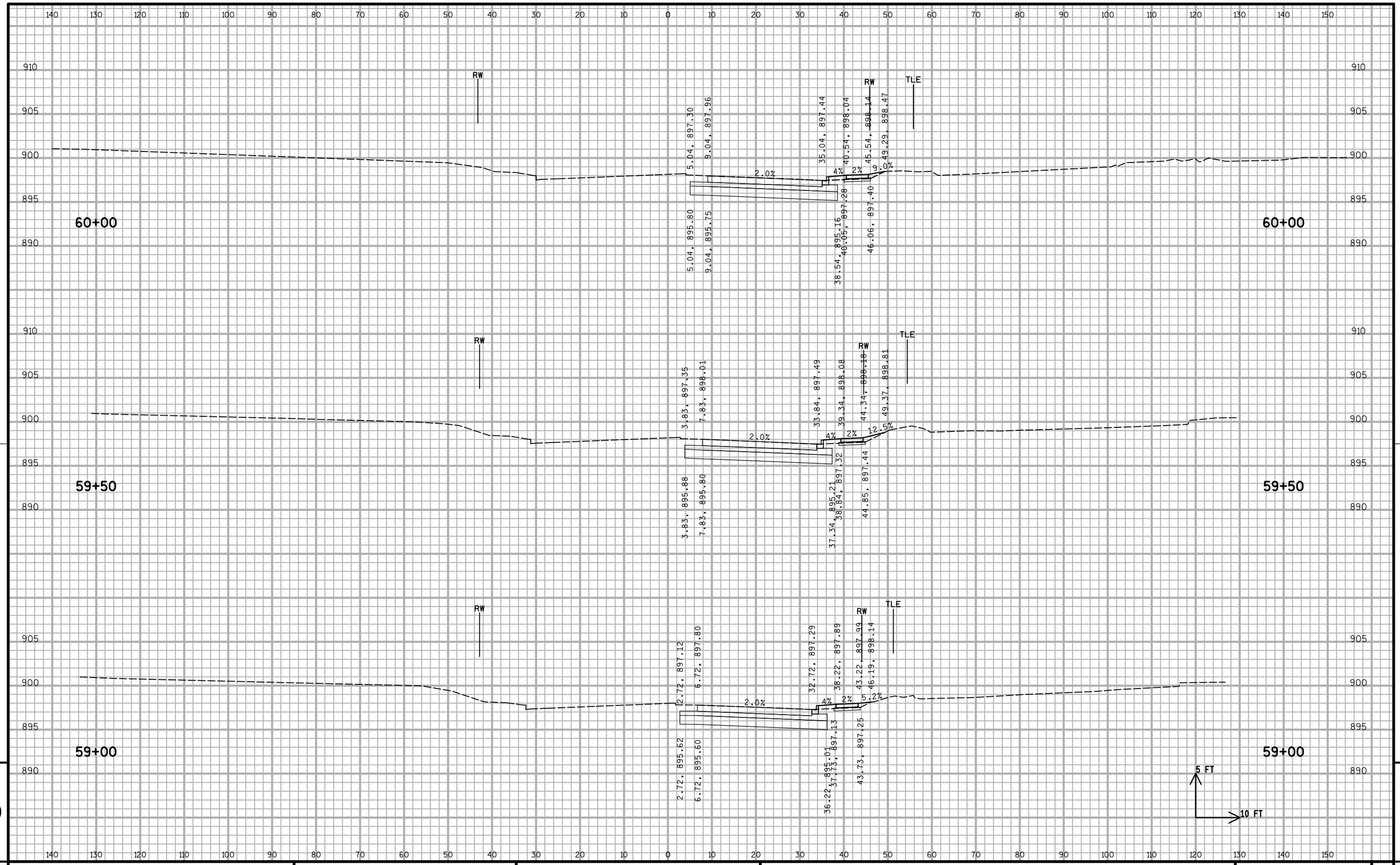


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 3 AND 4)	SHEET 703	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3 Phase 3_4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

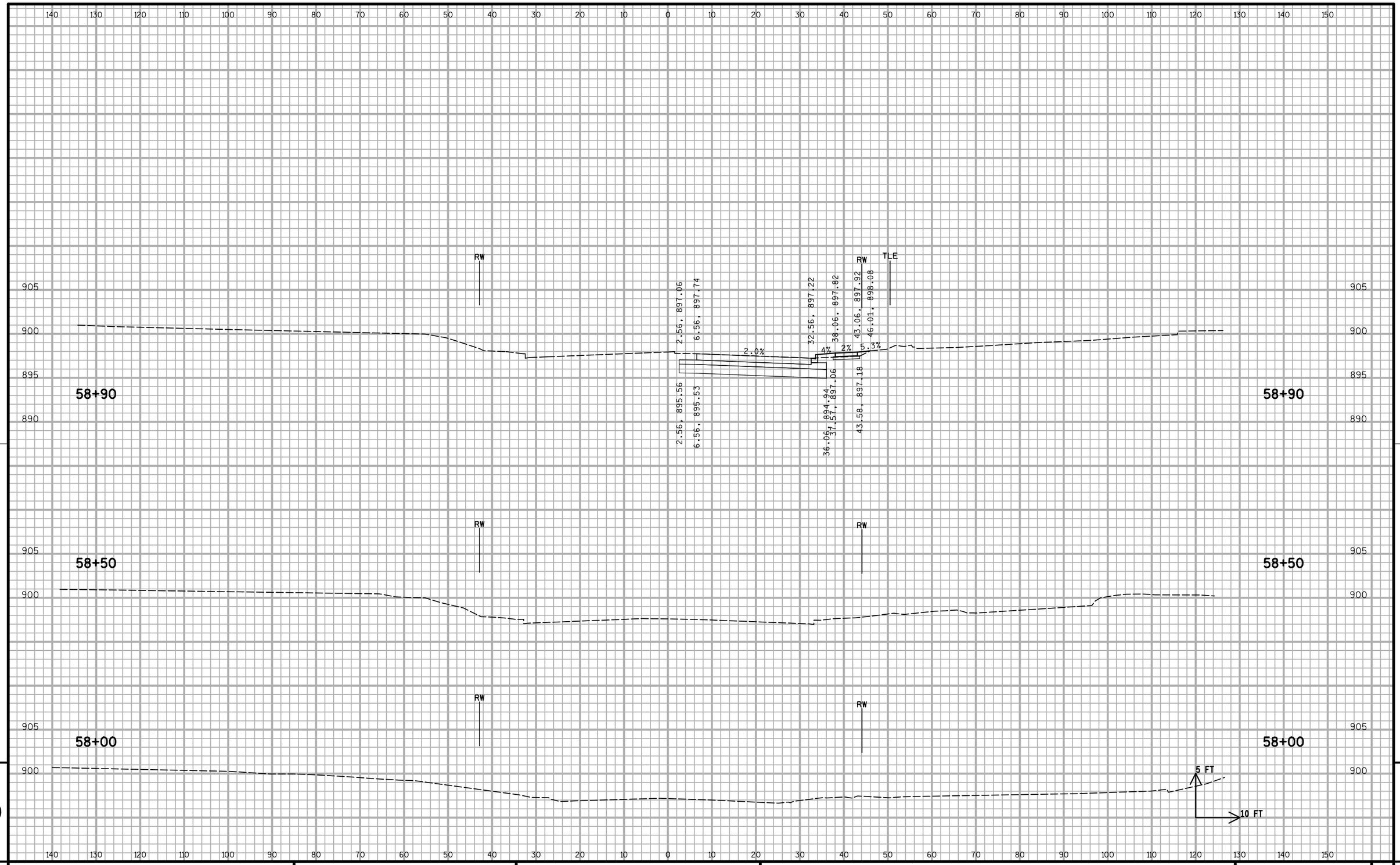


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 3 AND 4)	SHEET 704	E



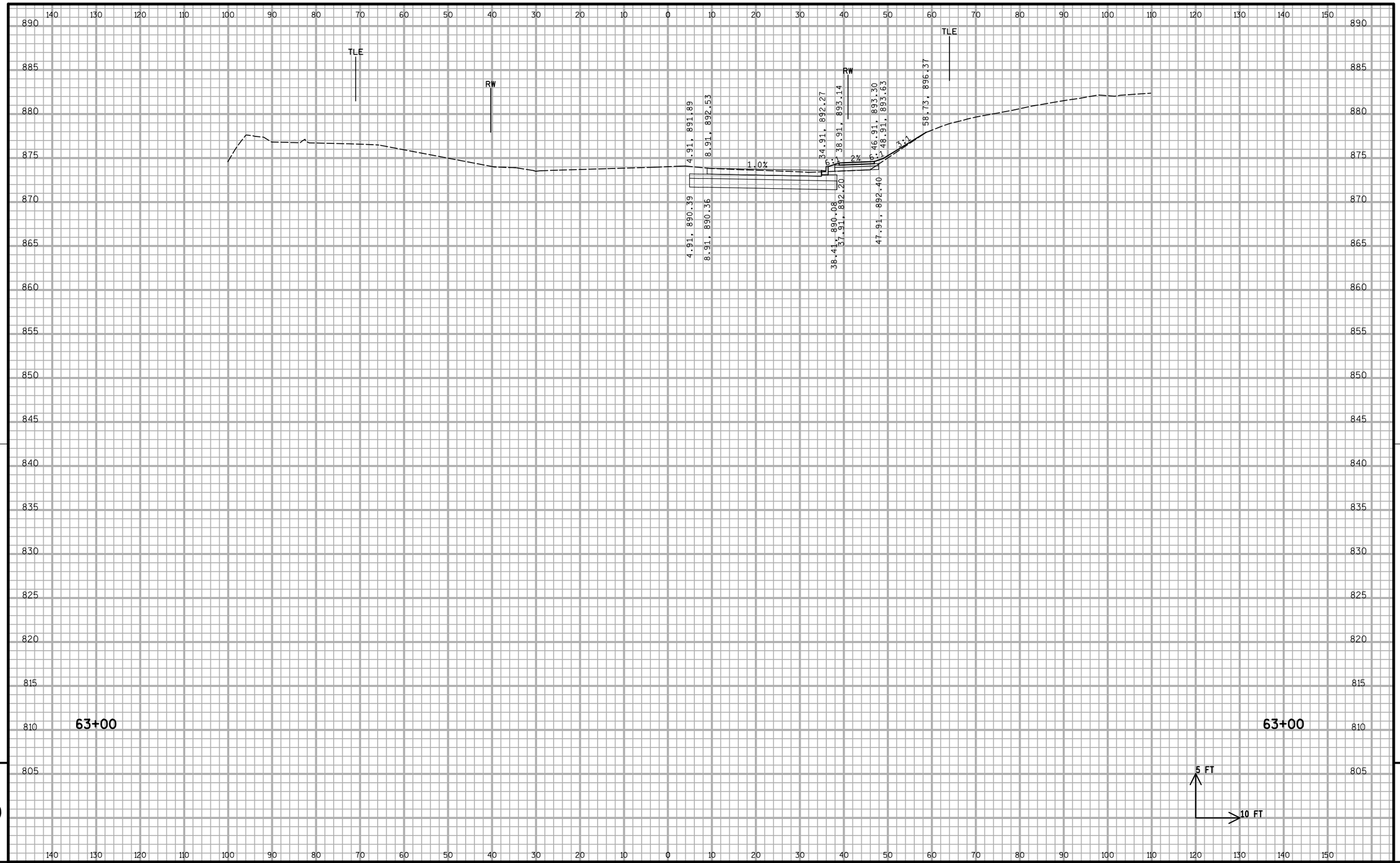
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 3 AND 4)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3 Phase 3_4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 3 (PHASE 3 AND 4)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 3 Phase 3_4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



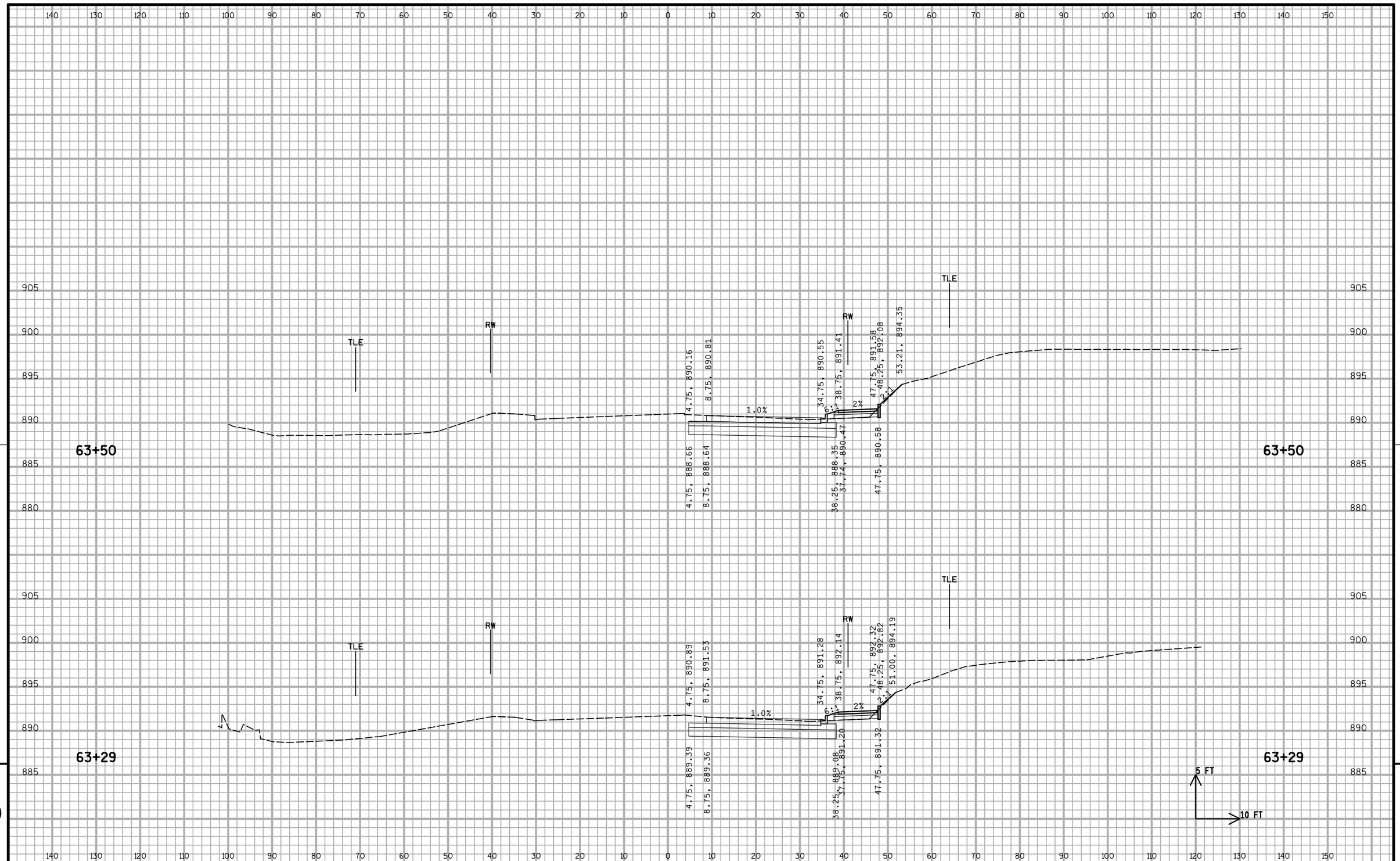
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 707	E

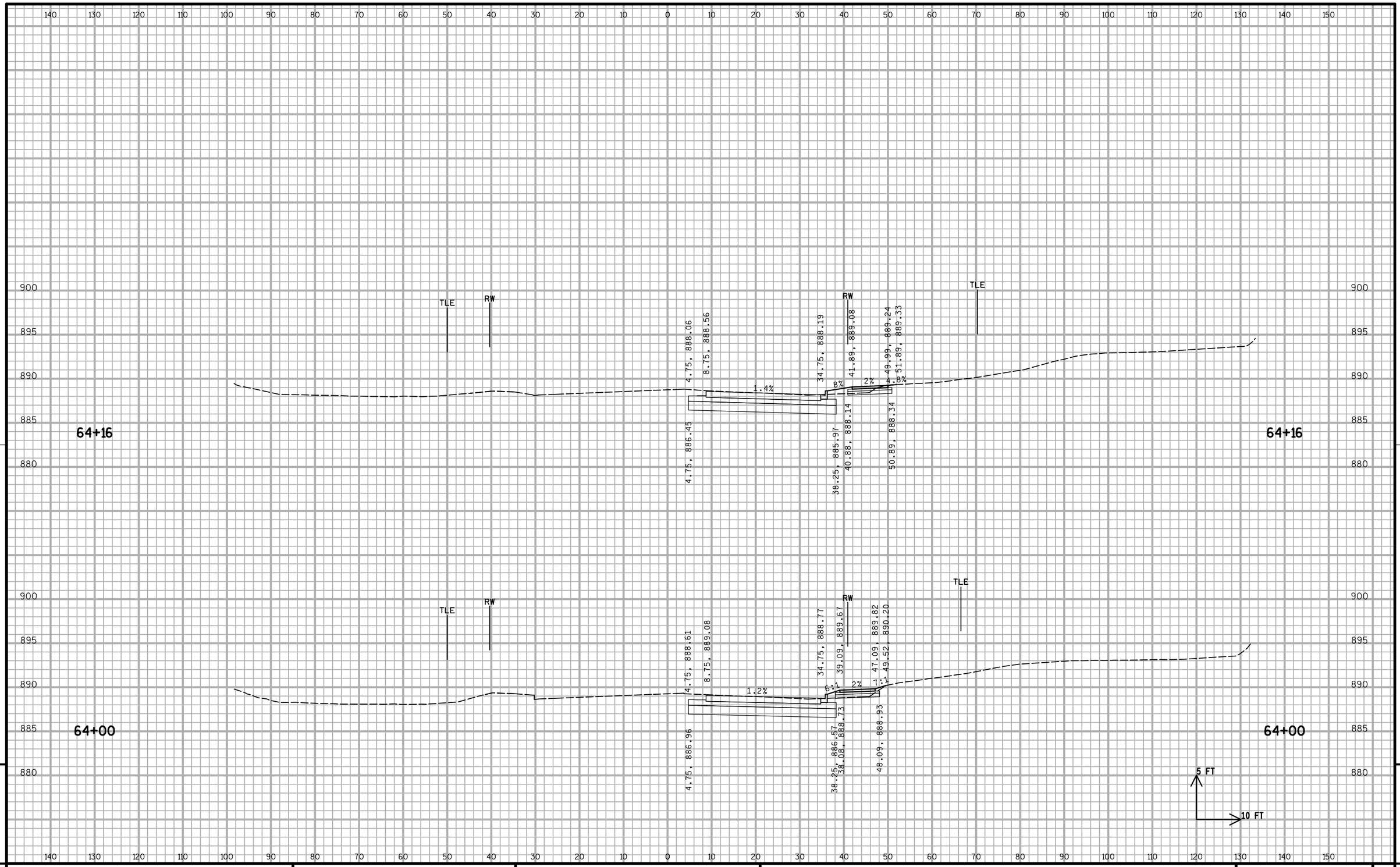
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 708	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

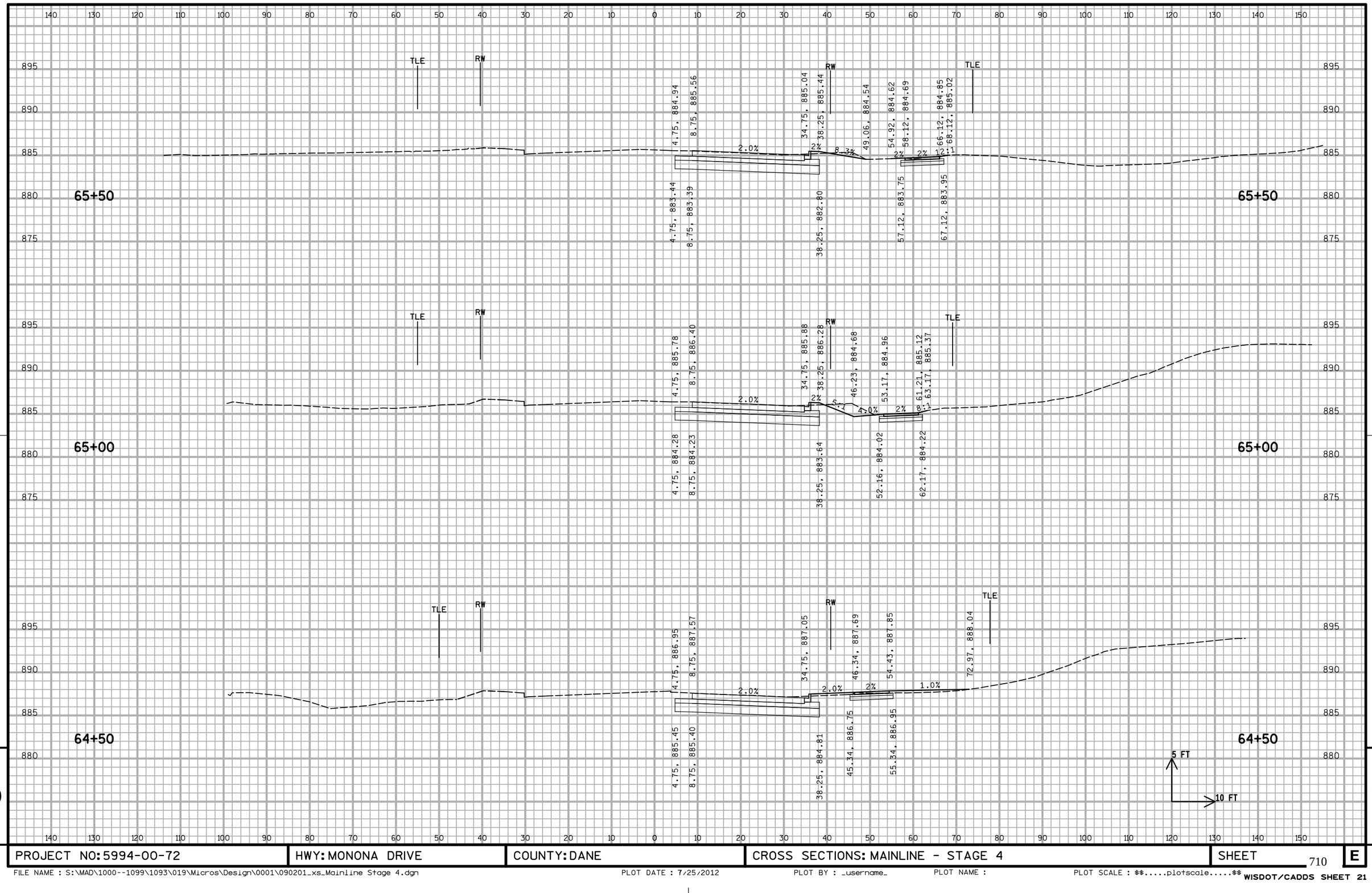


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

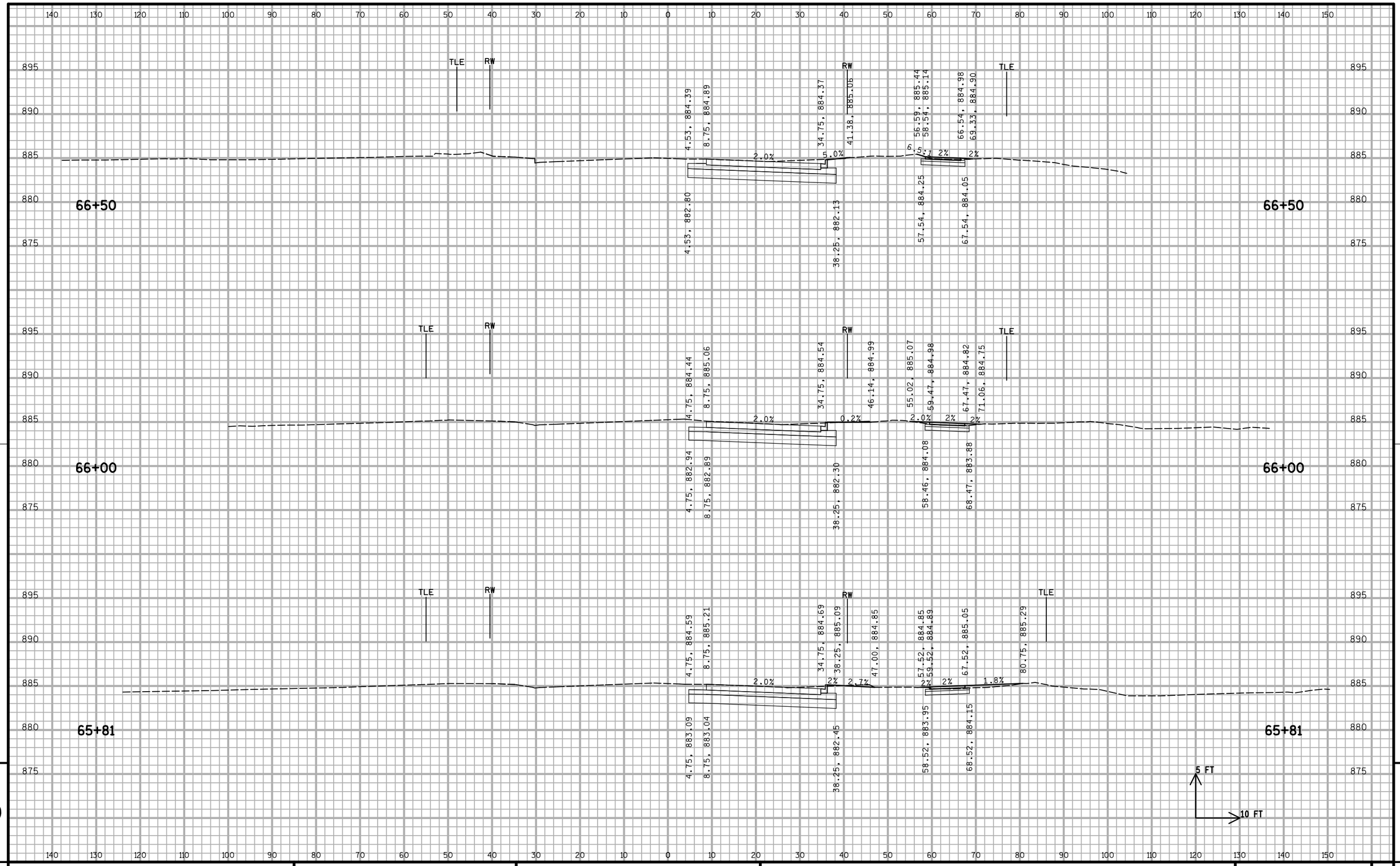
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 710	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

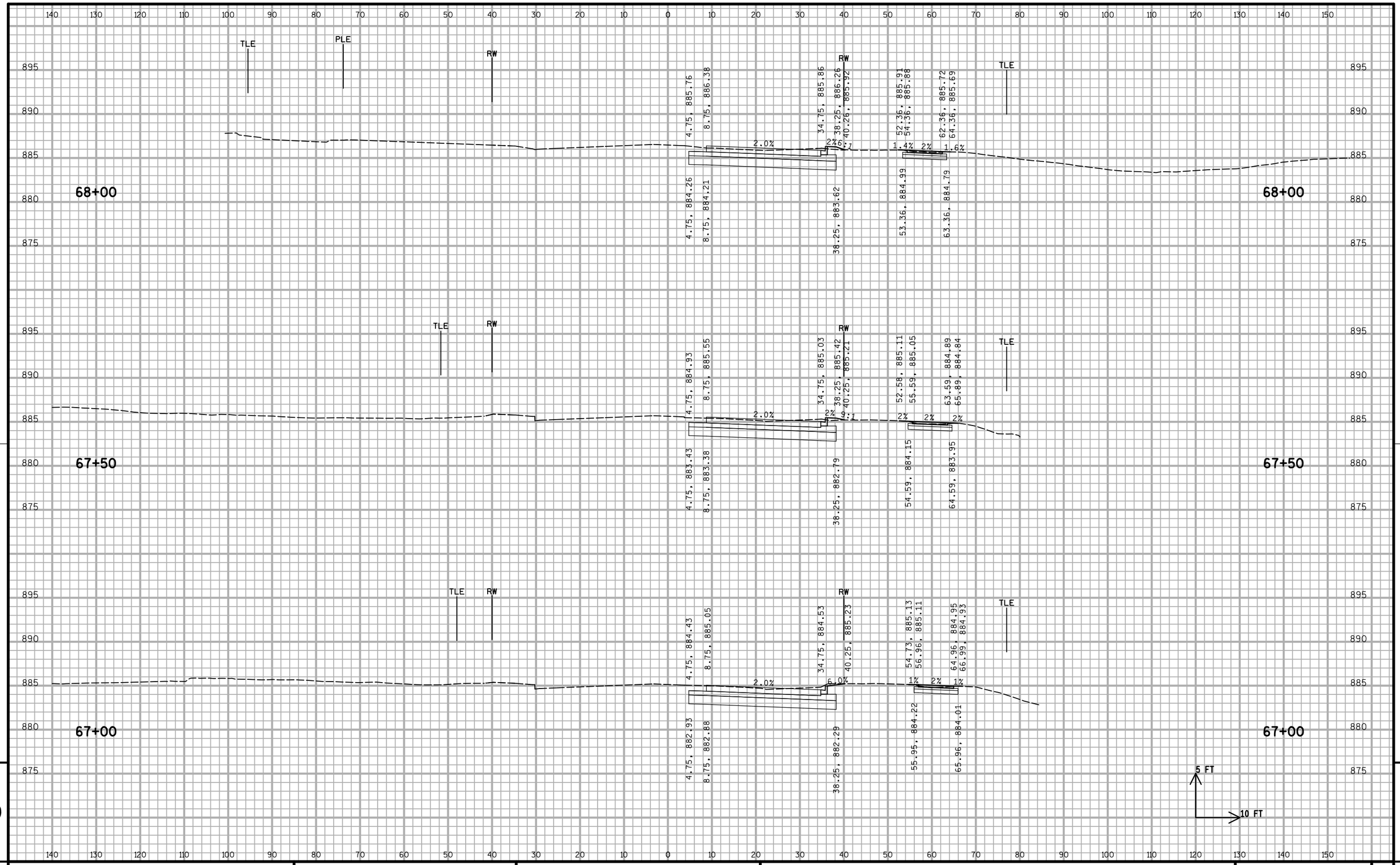


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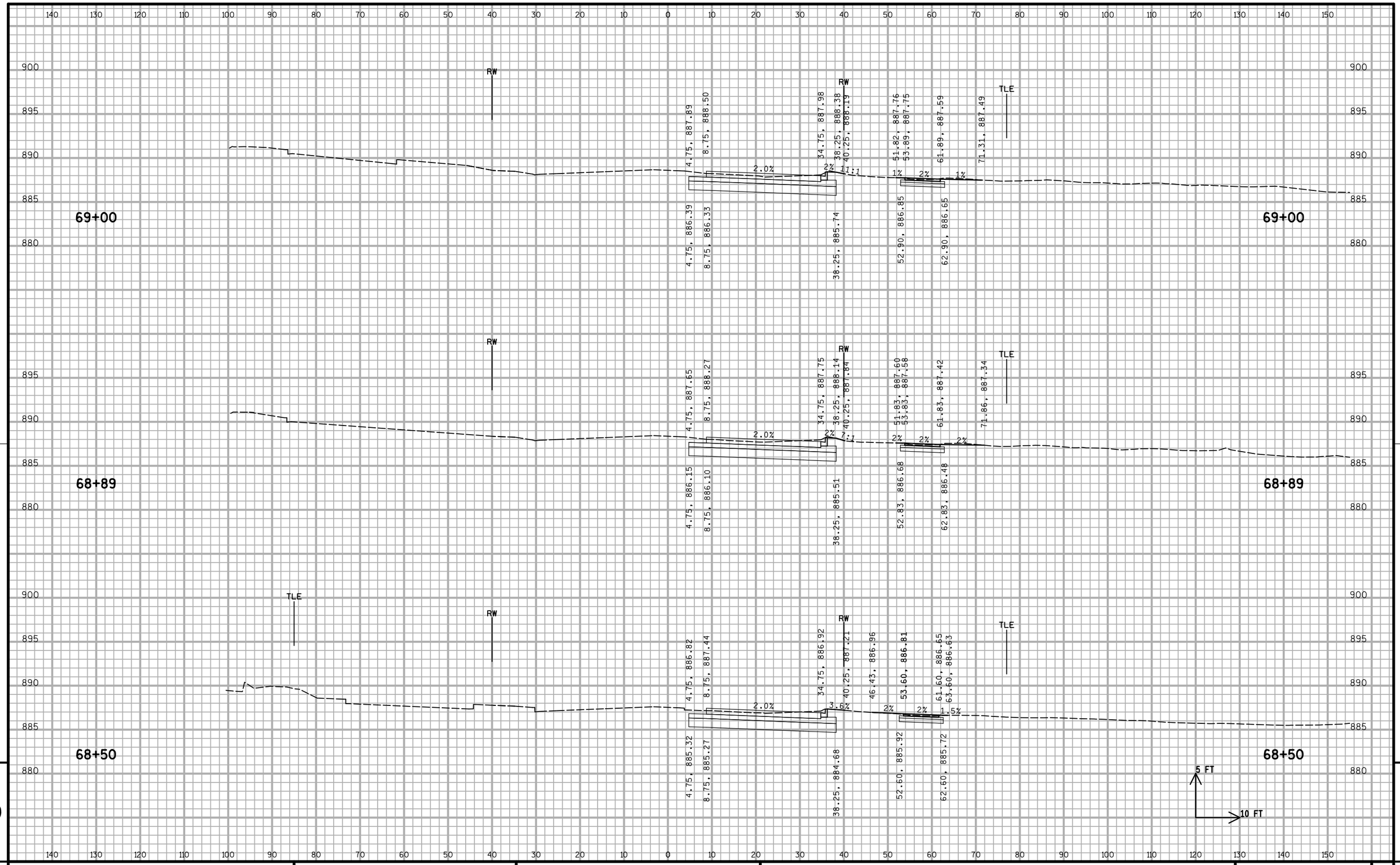
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 711	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



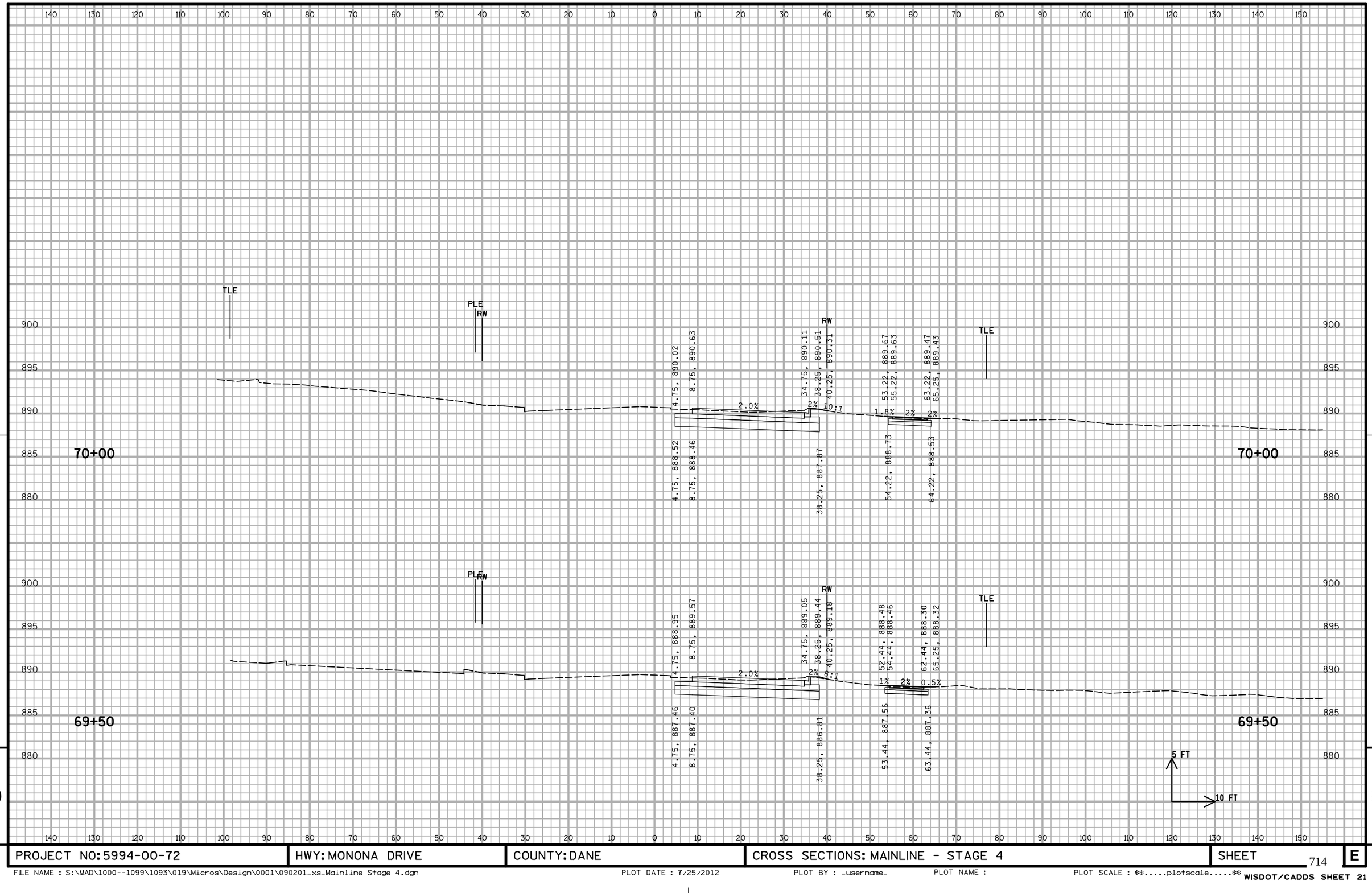
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 712	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

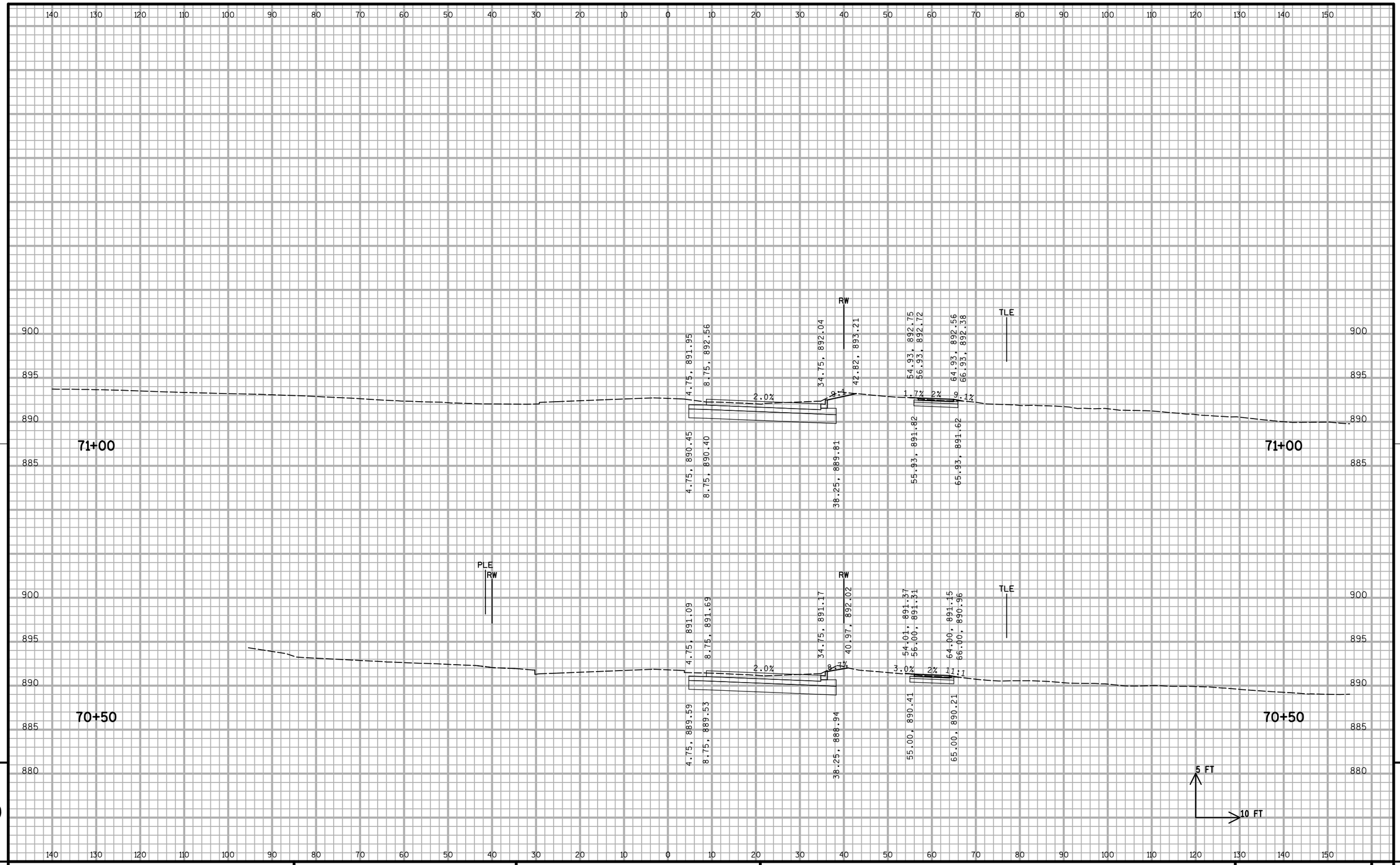
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 714	E

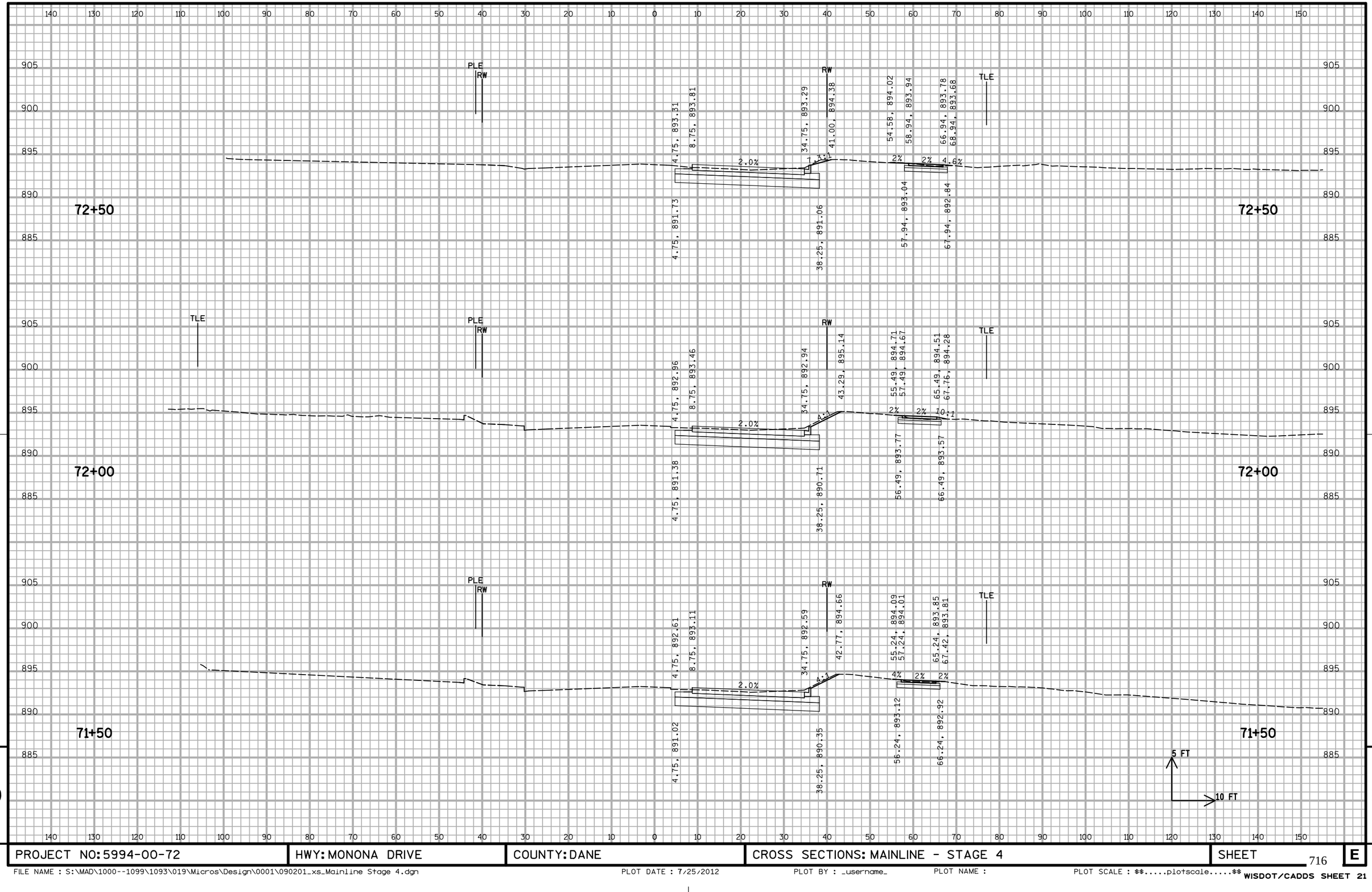
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 715	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



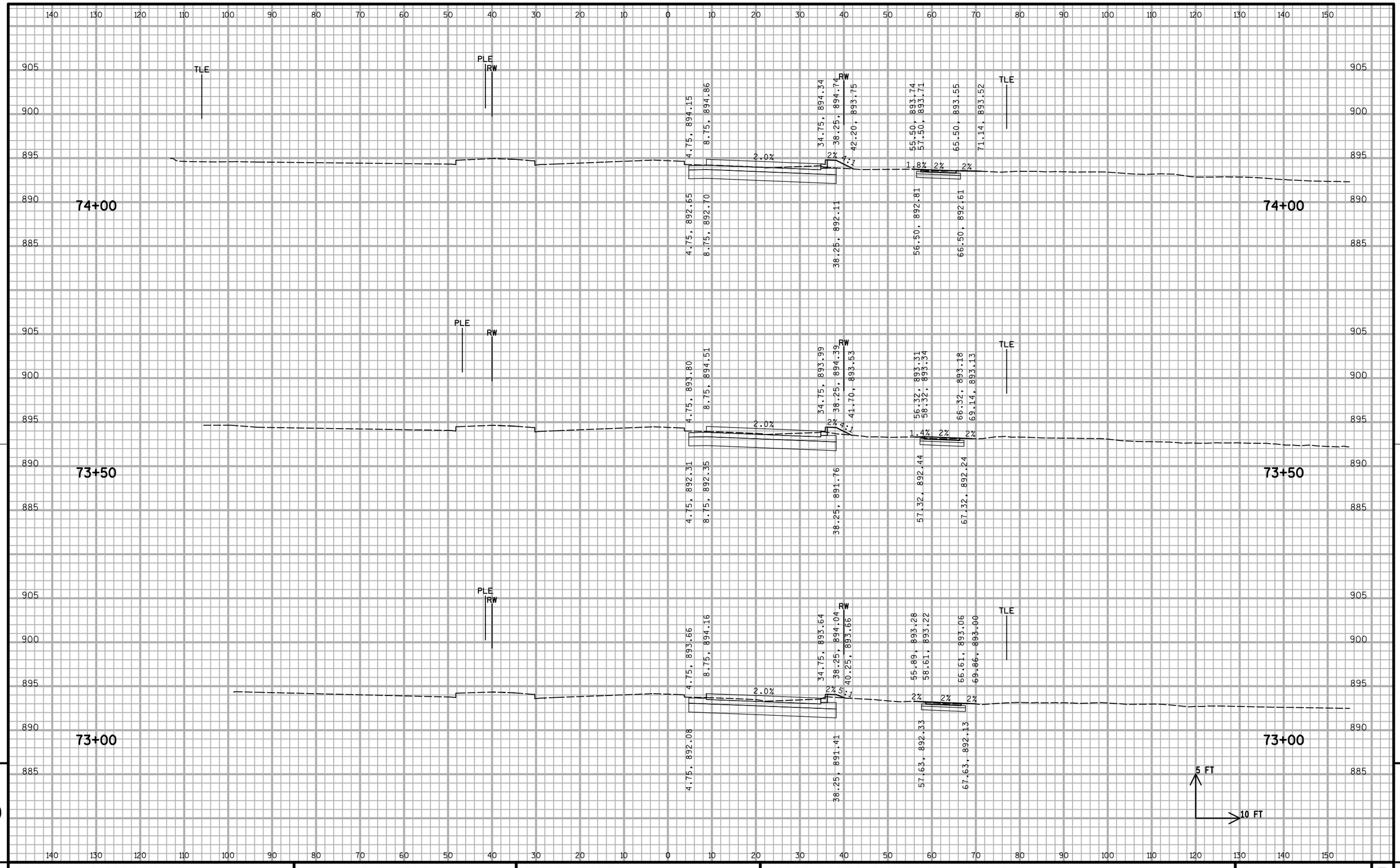
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 716	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

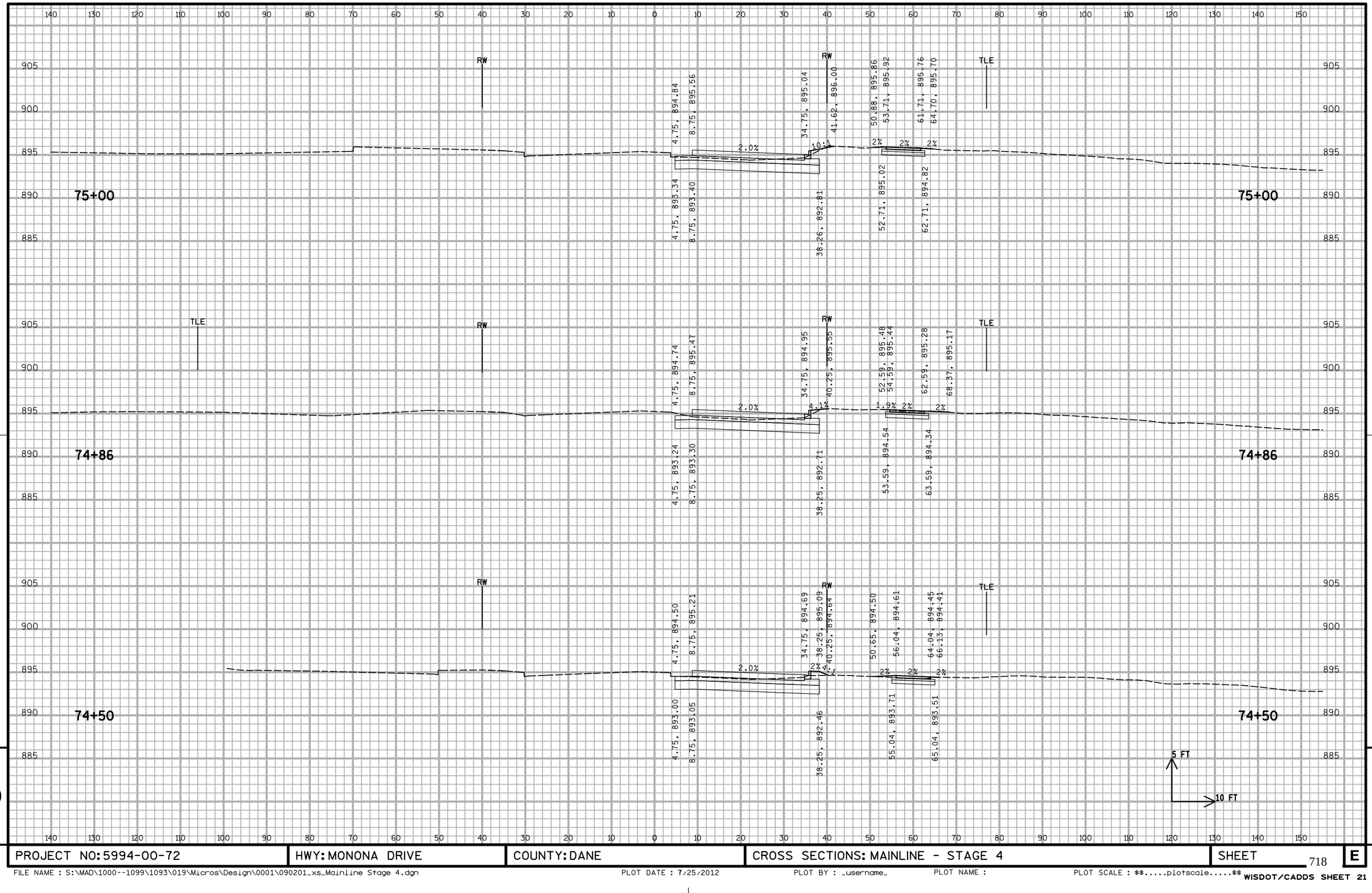


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

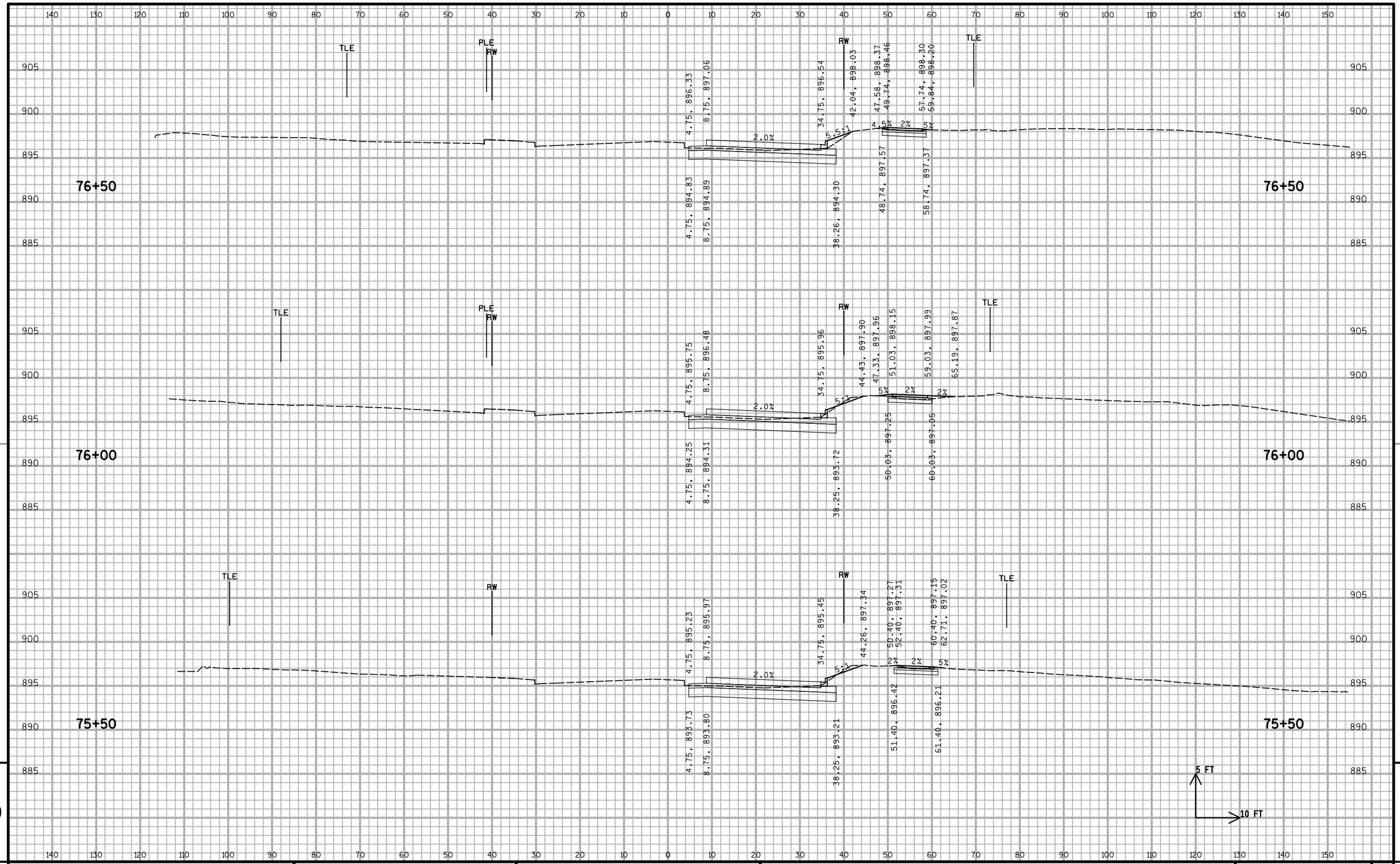


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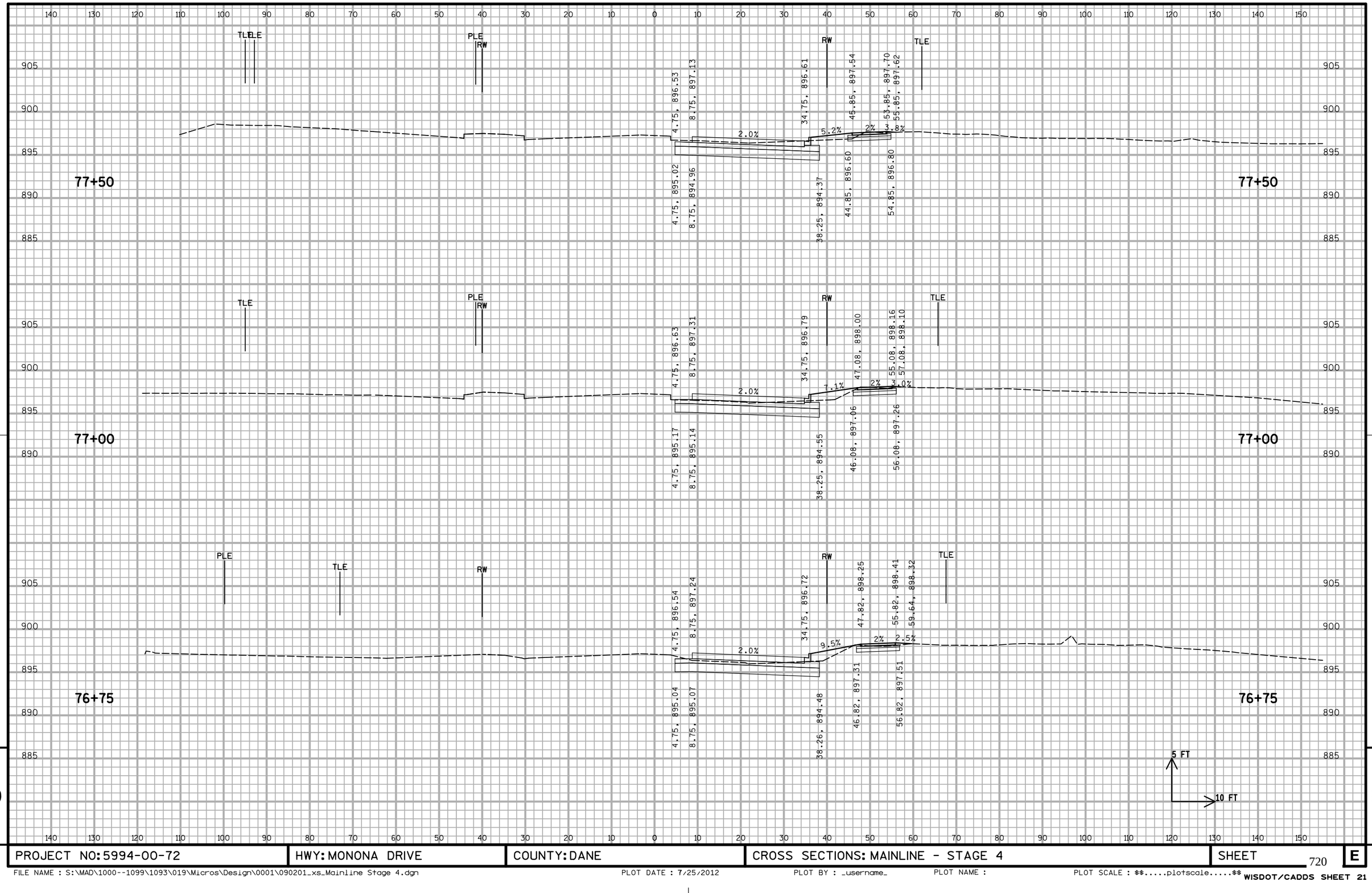
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 718	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 719	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



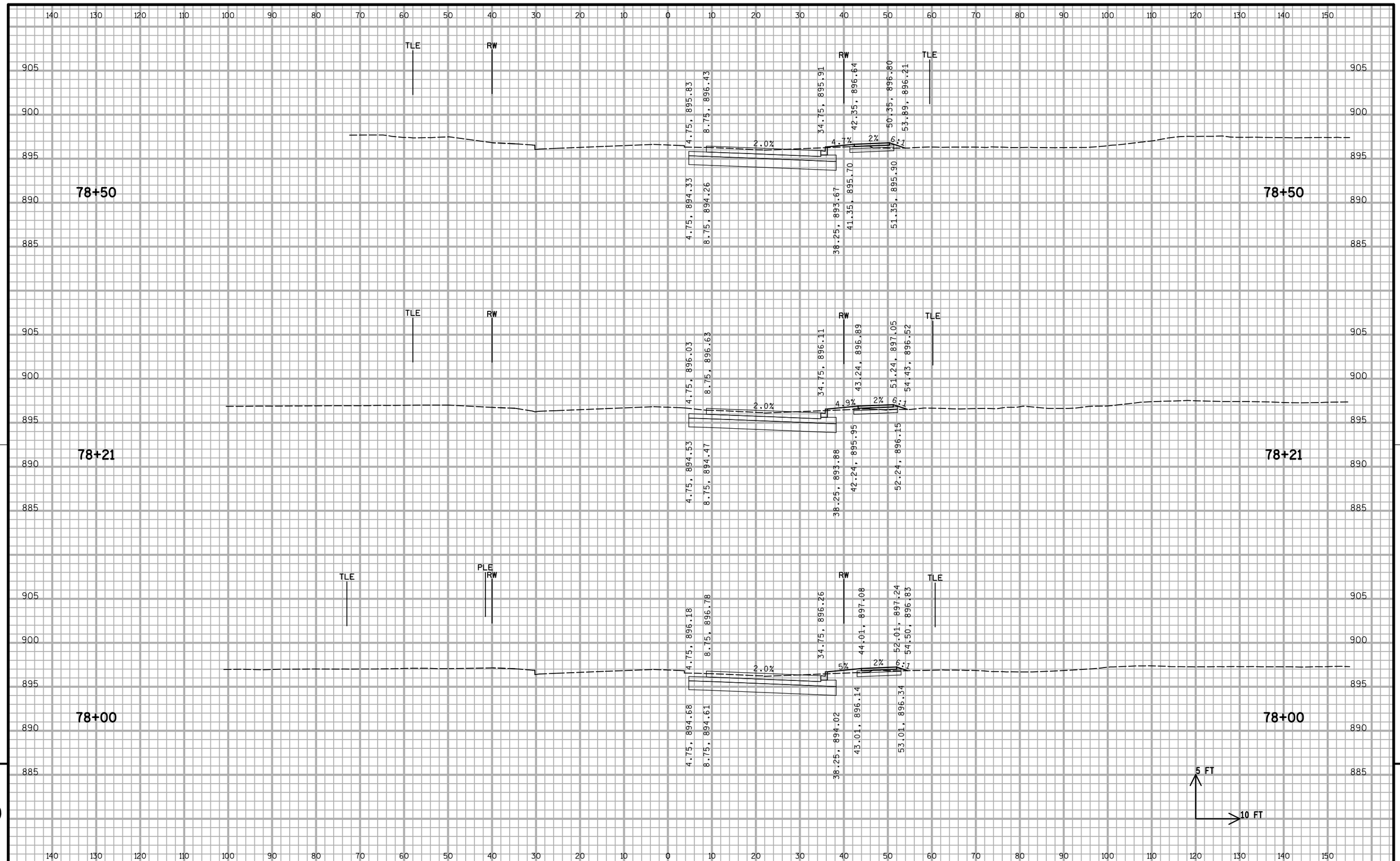
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 720	E

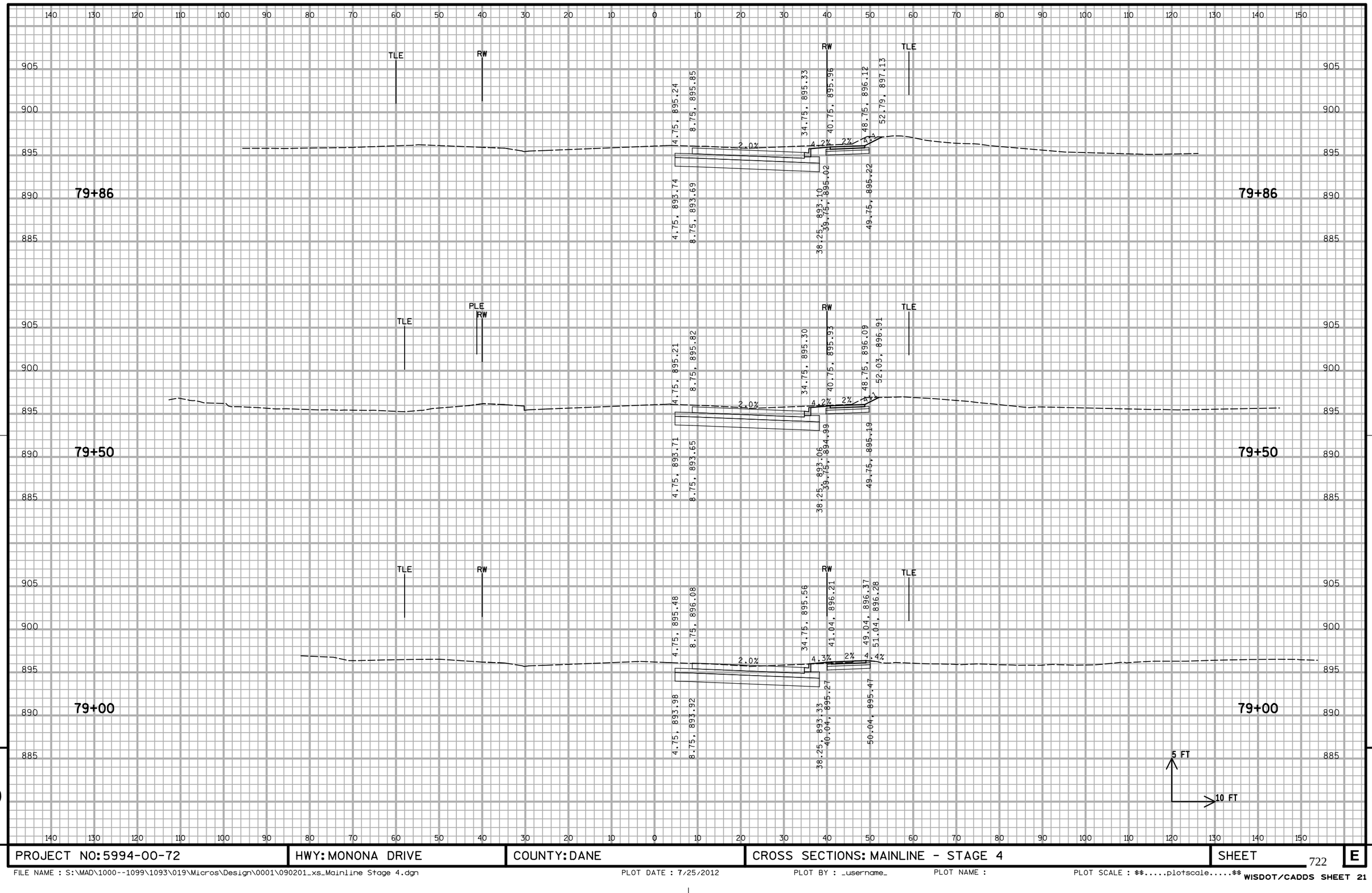
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 721	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



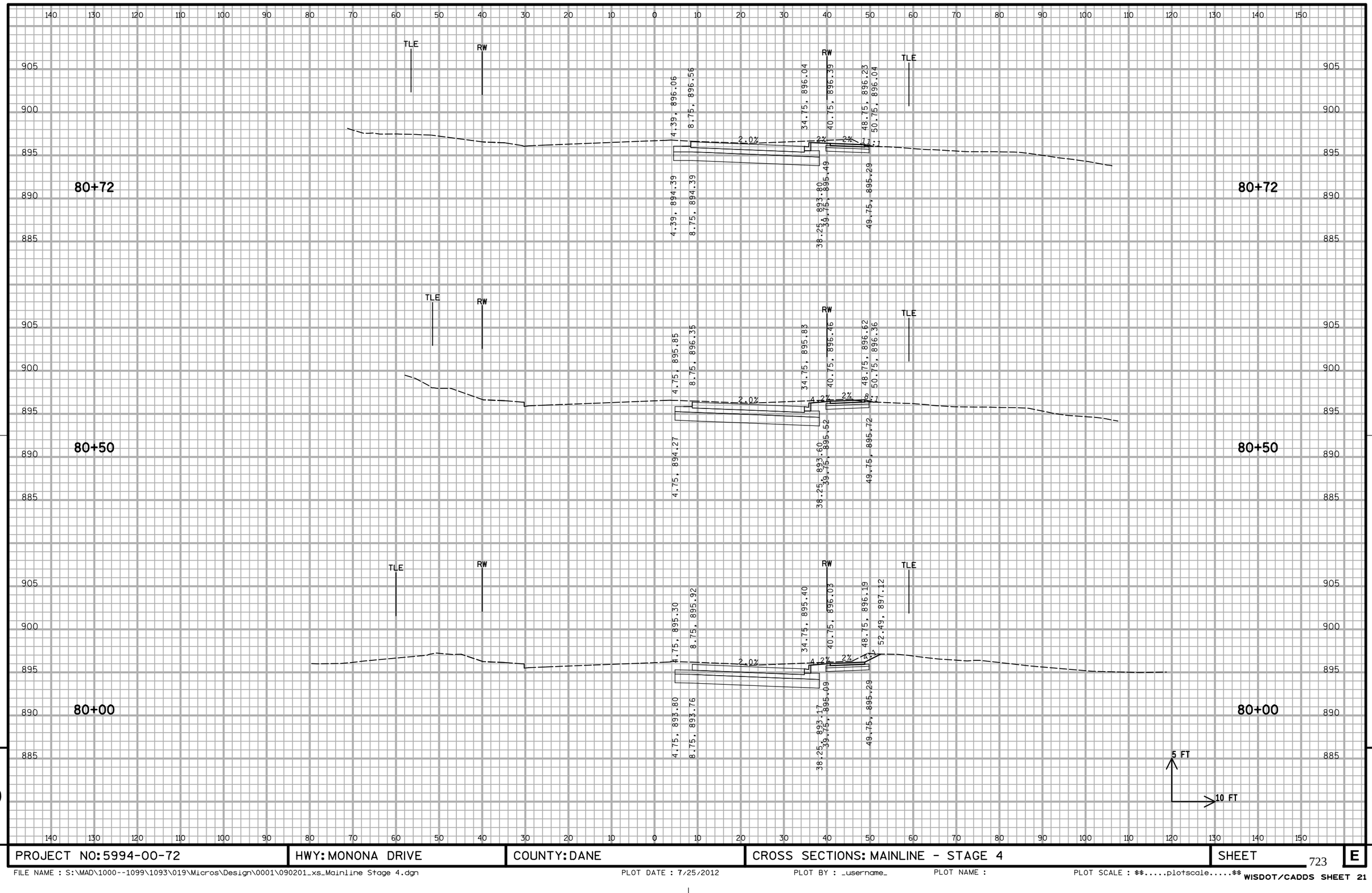
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 722	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

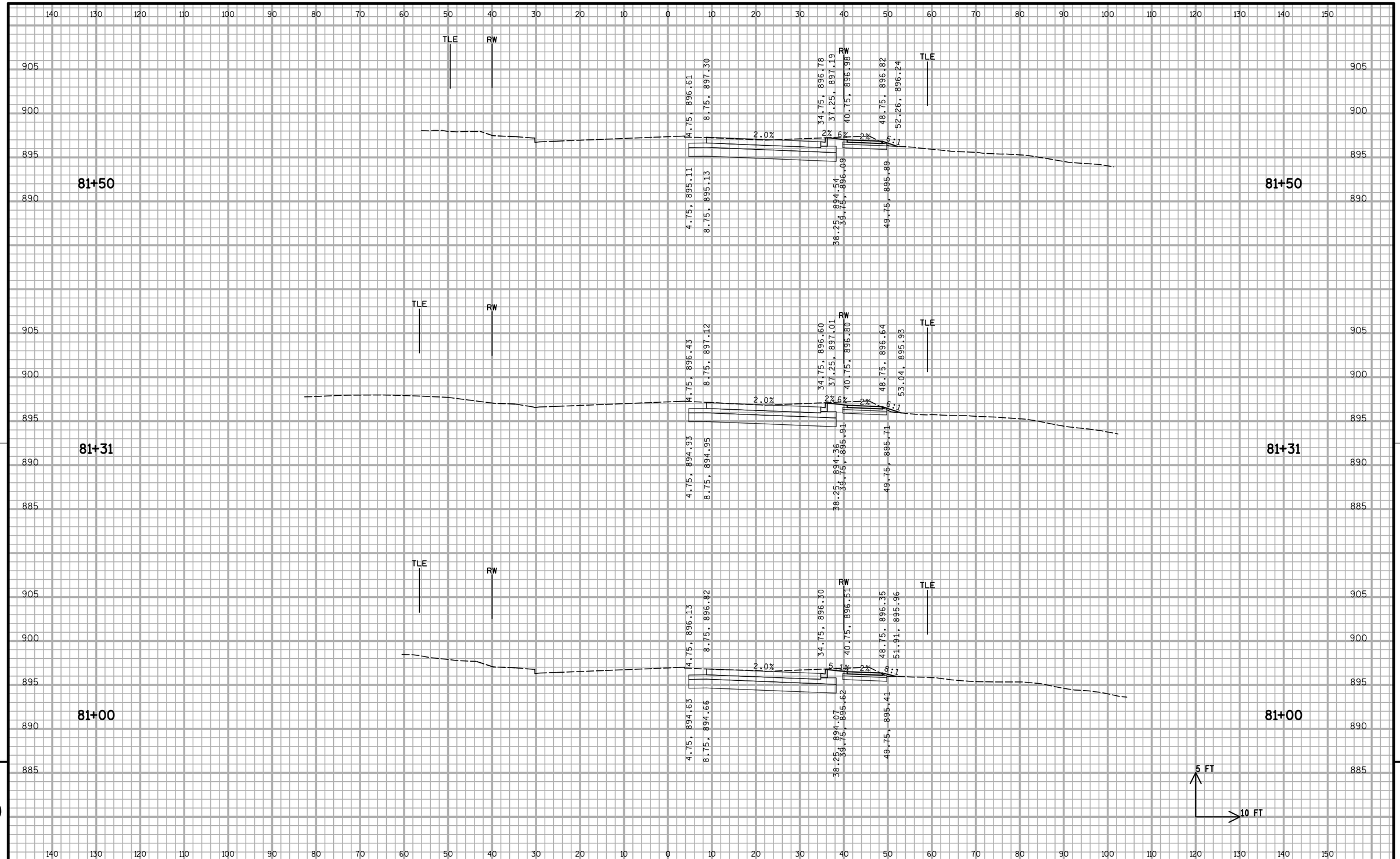


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 723	E

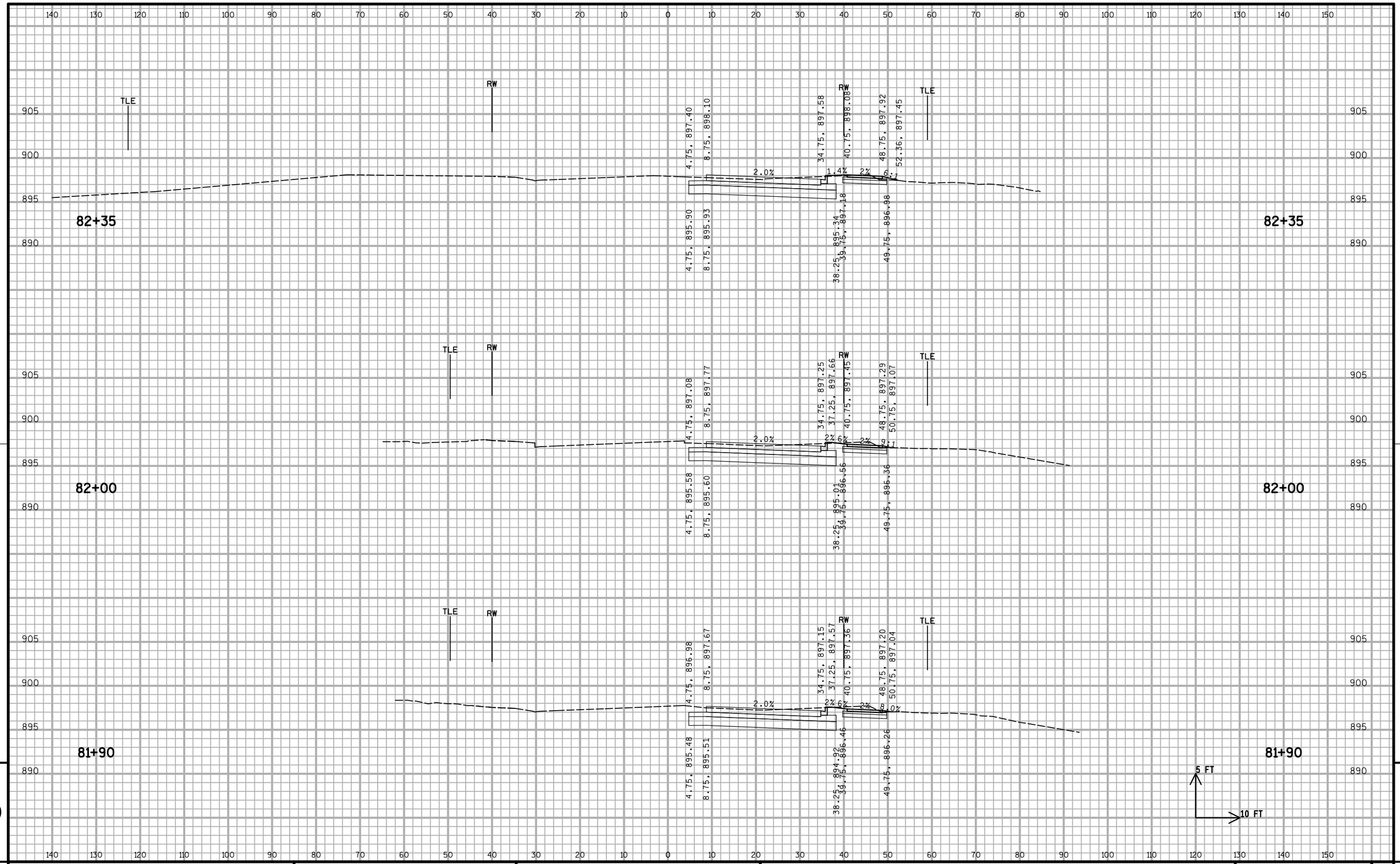
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 724	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

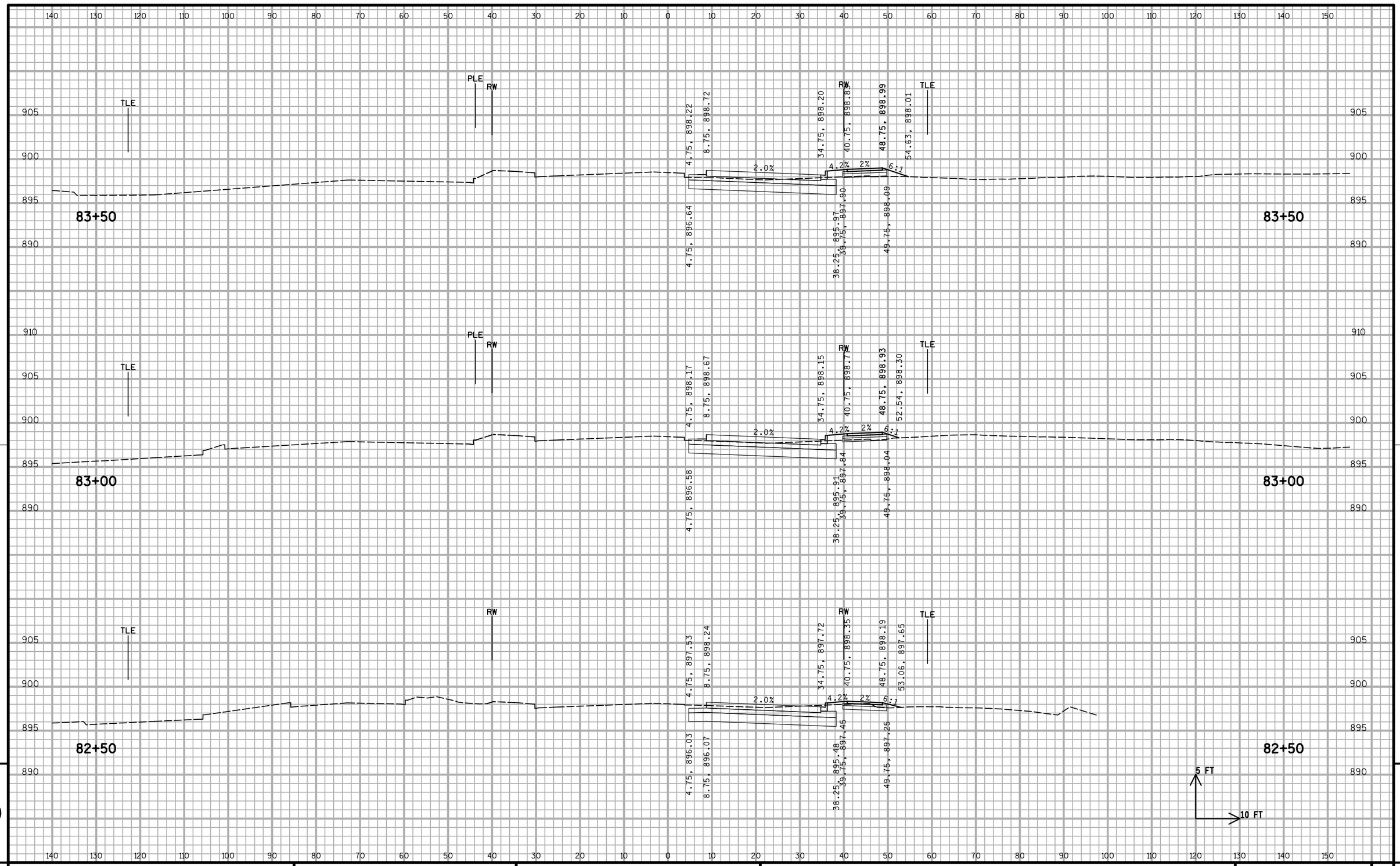


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9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 725	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



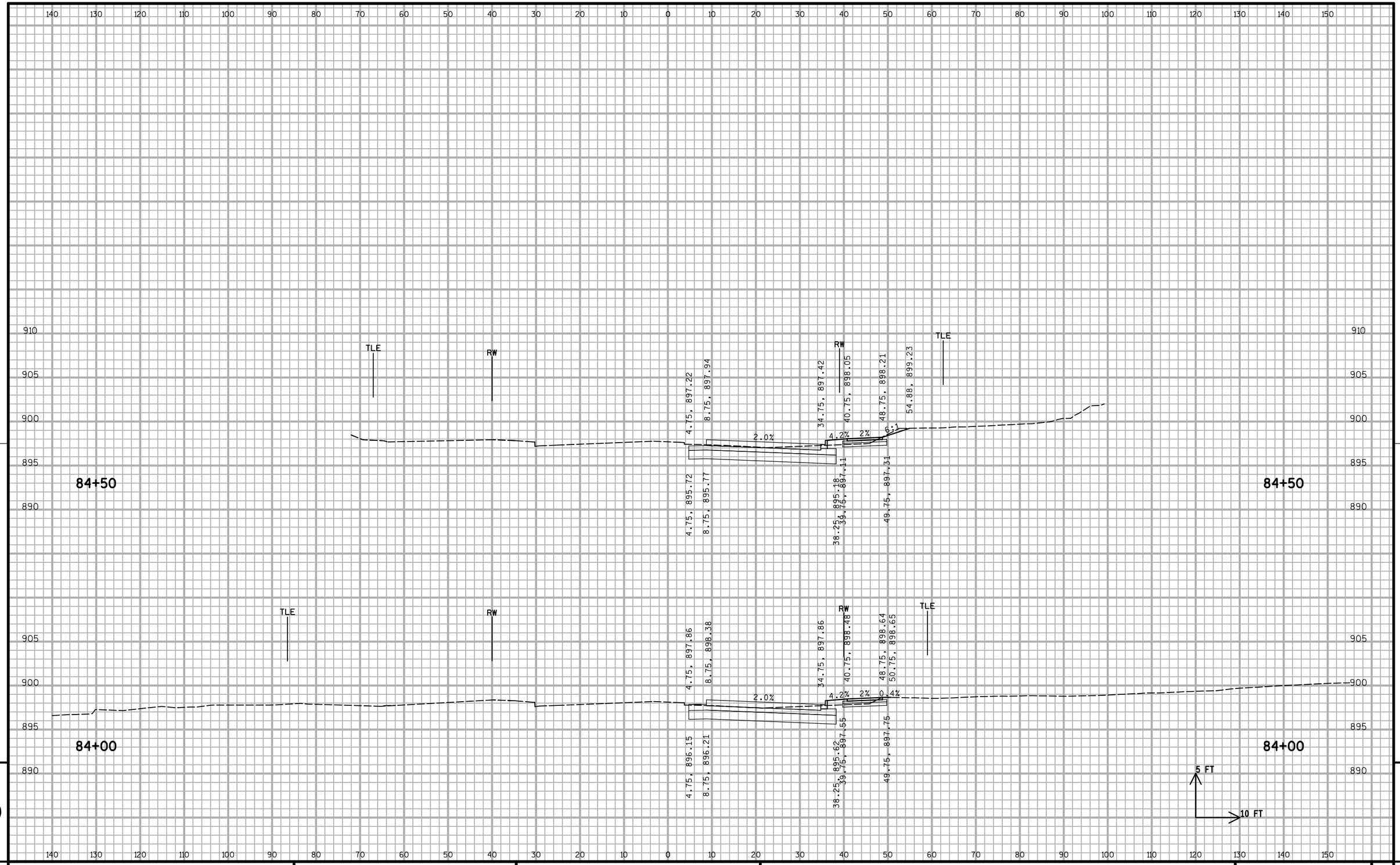
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

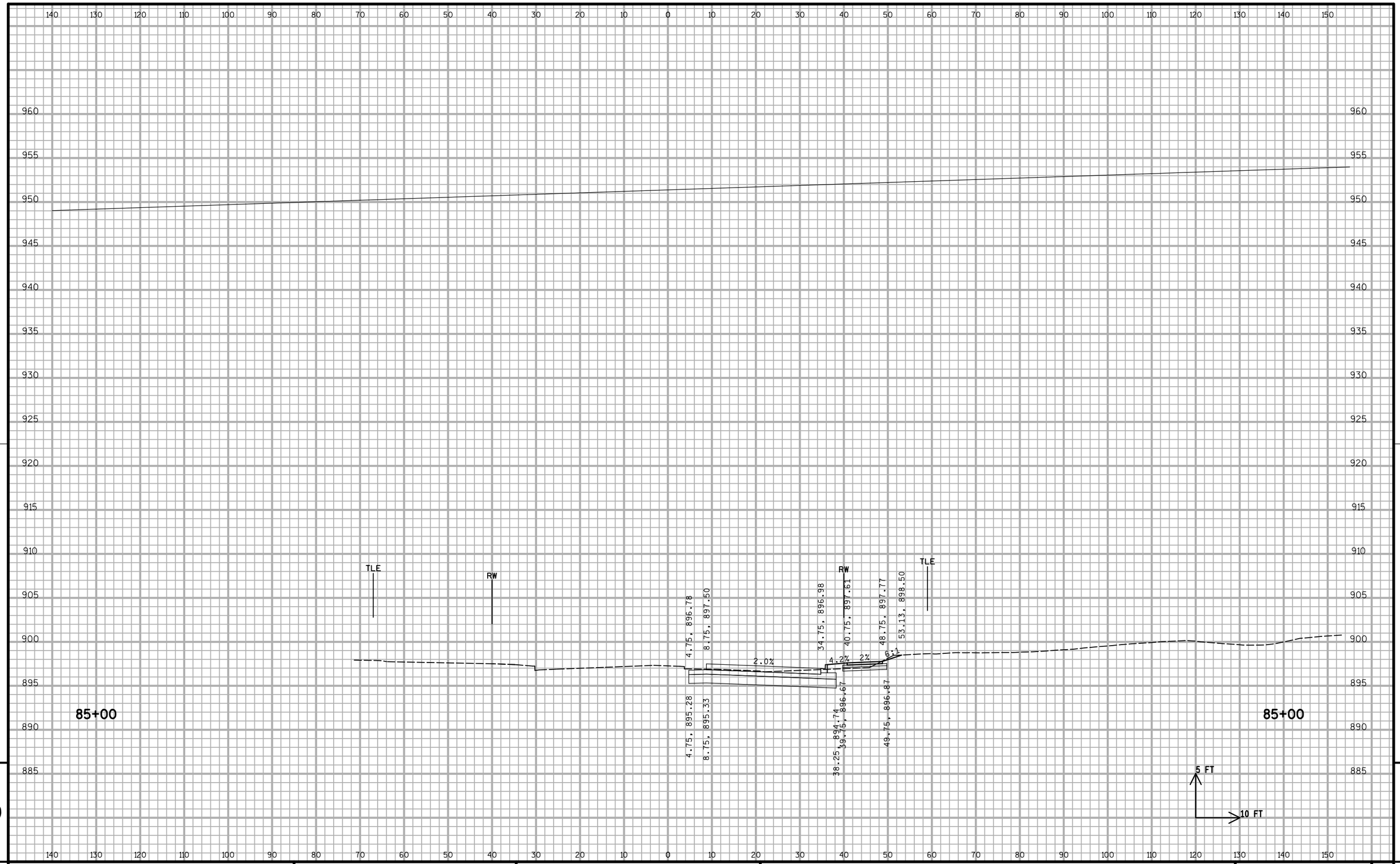
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WISDOT/CADDS SHEET 21

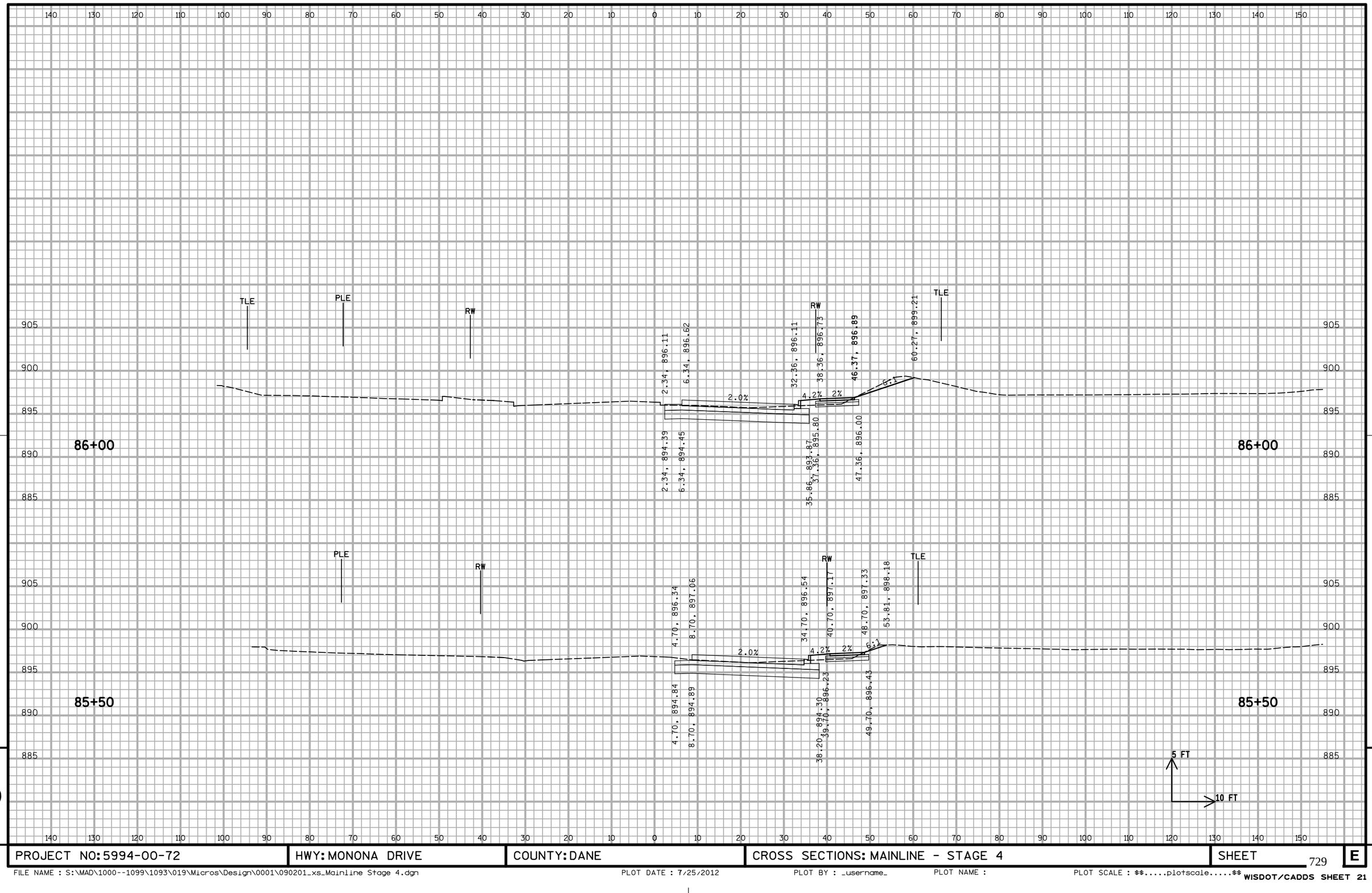


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



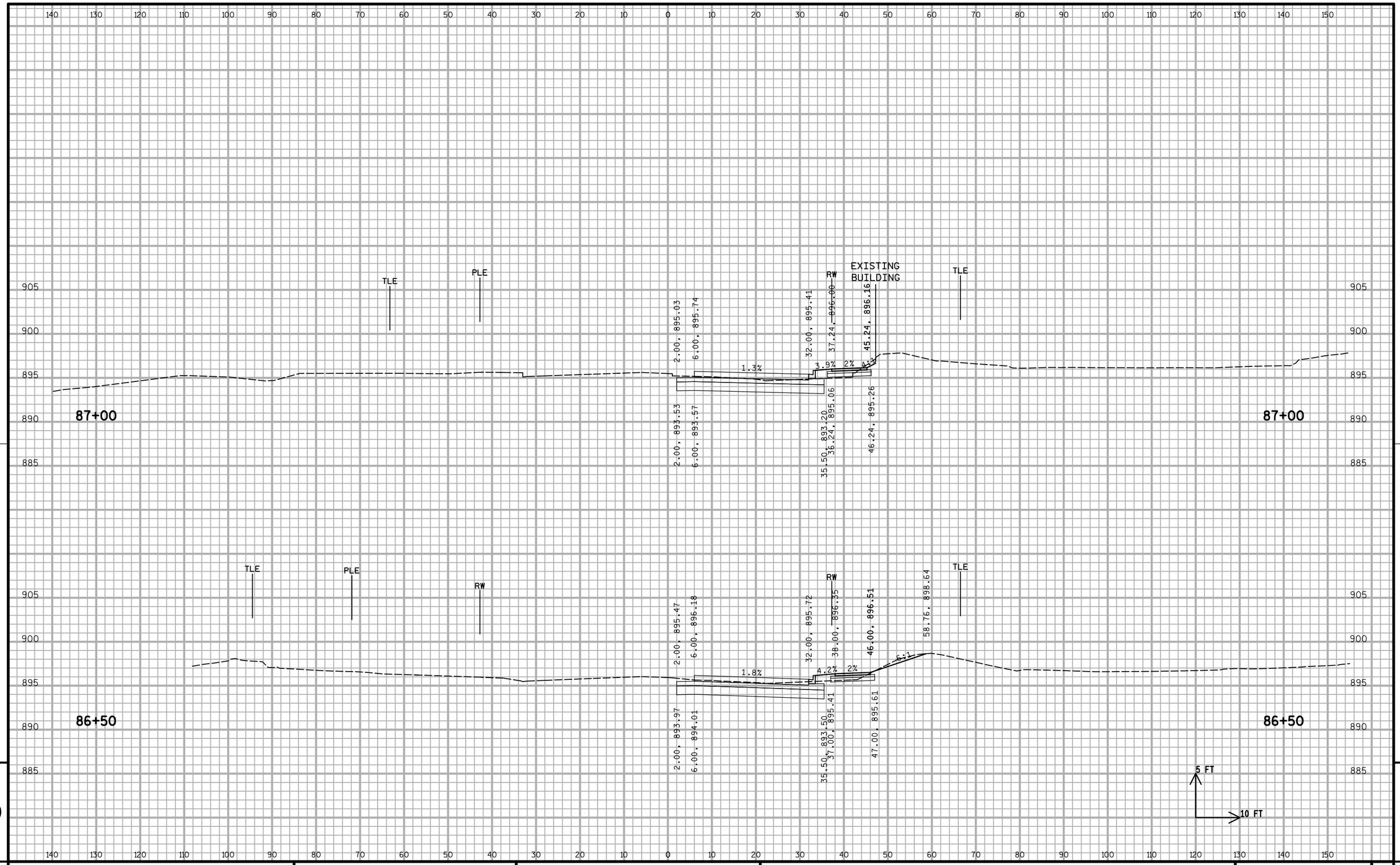
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 728	E



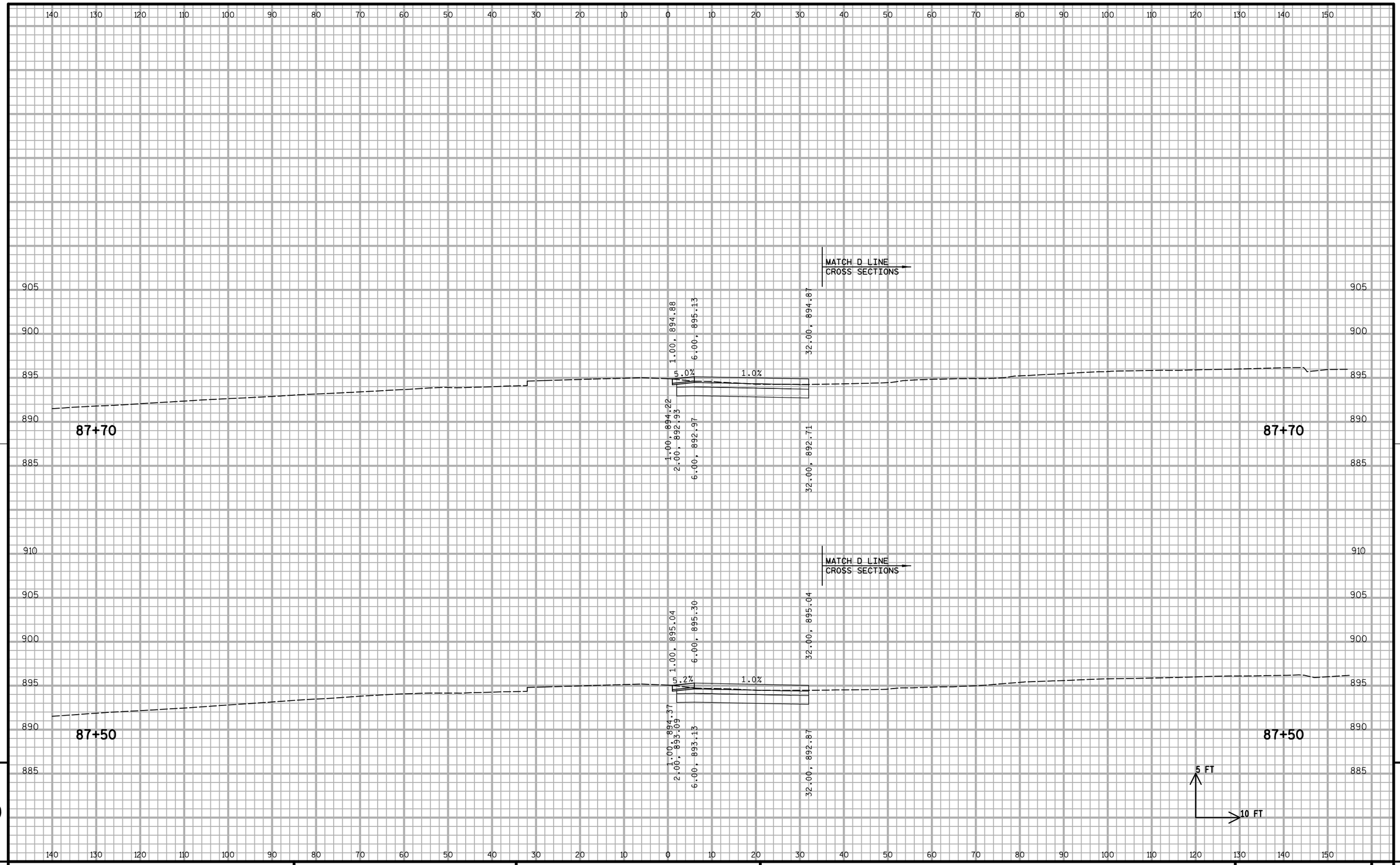
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 729	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 730	E

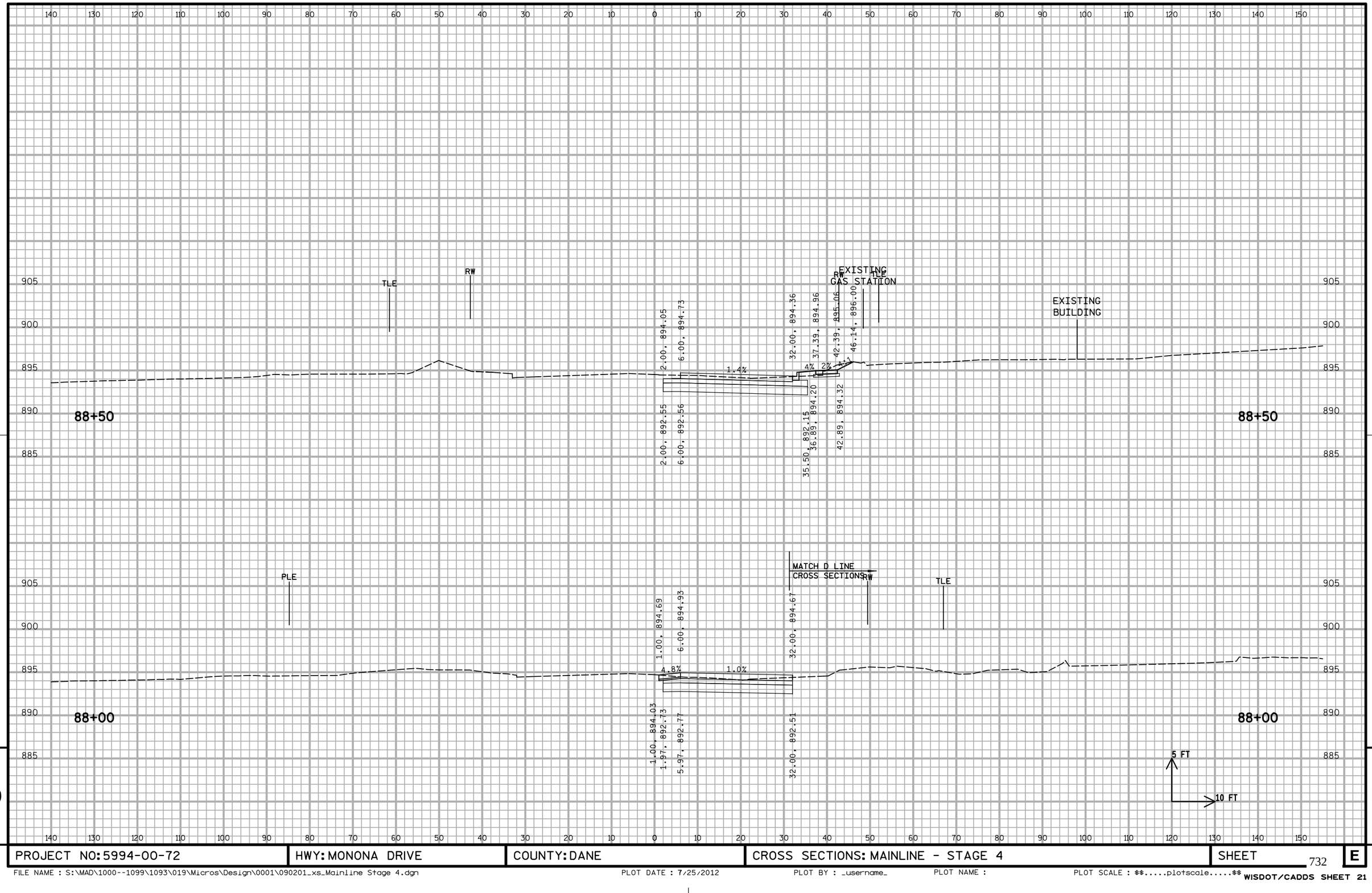


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

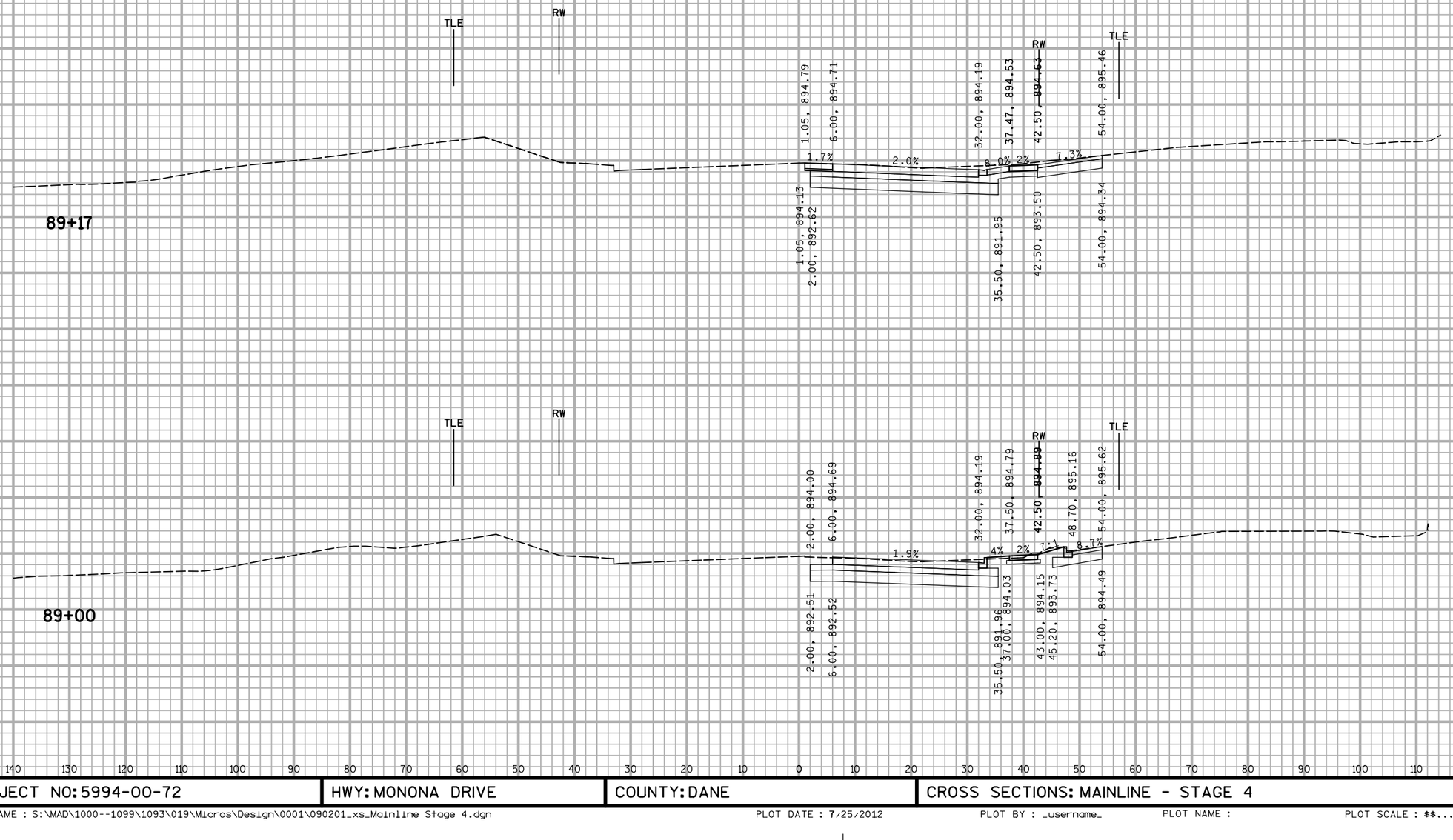
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 732	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

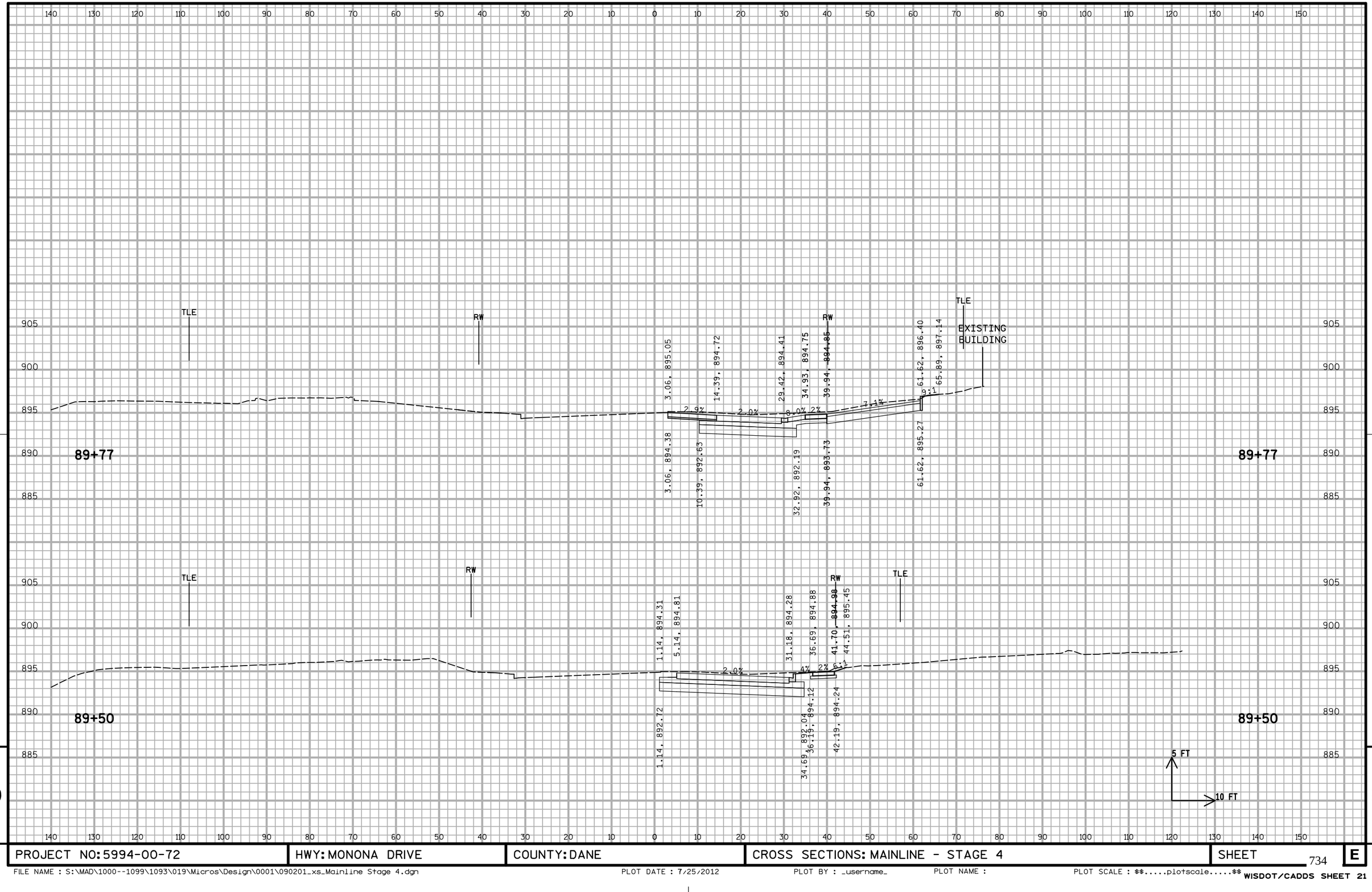
WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 733	E

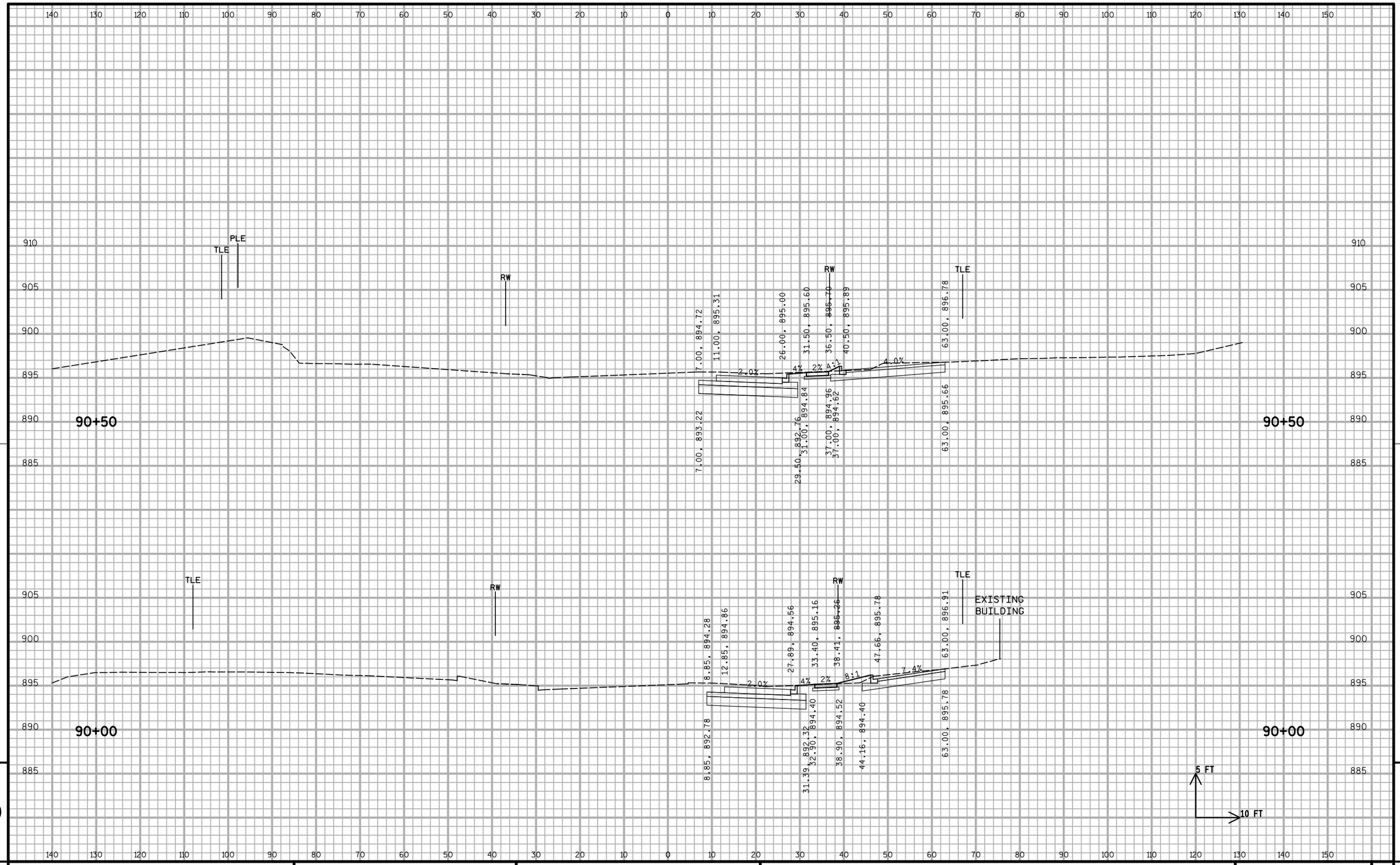


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 734	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

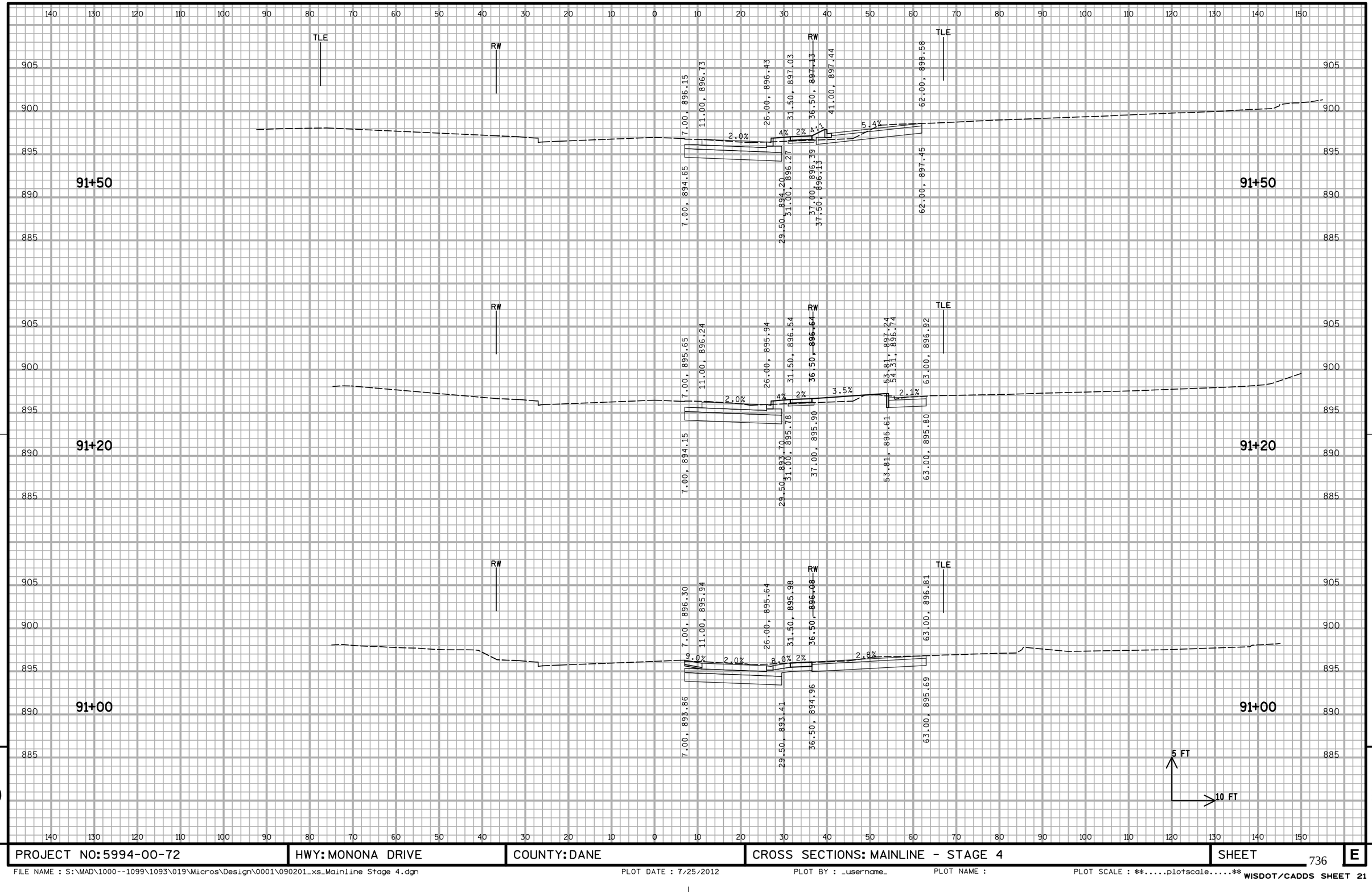


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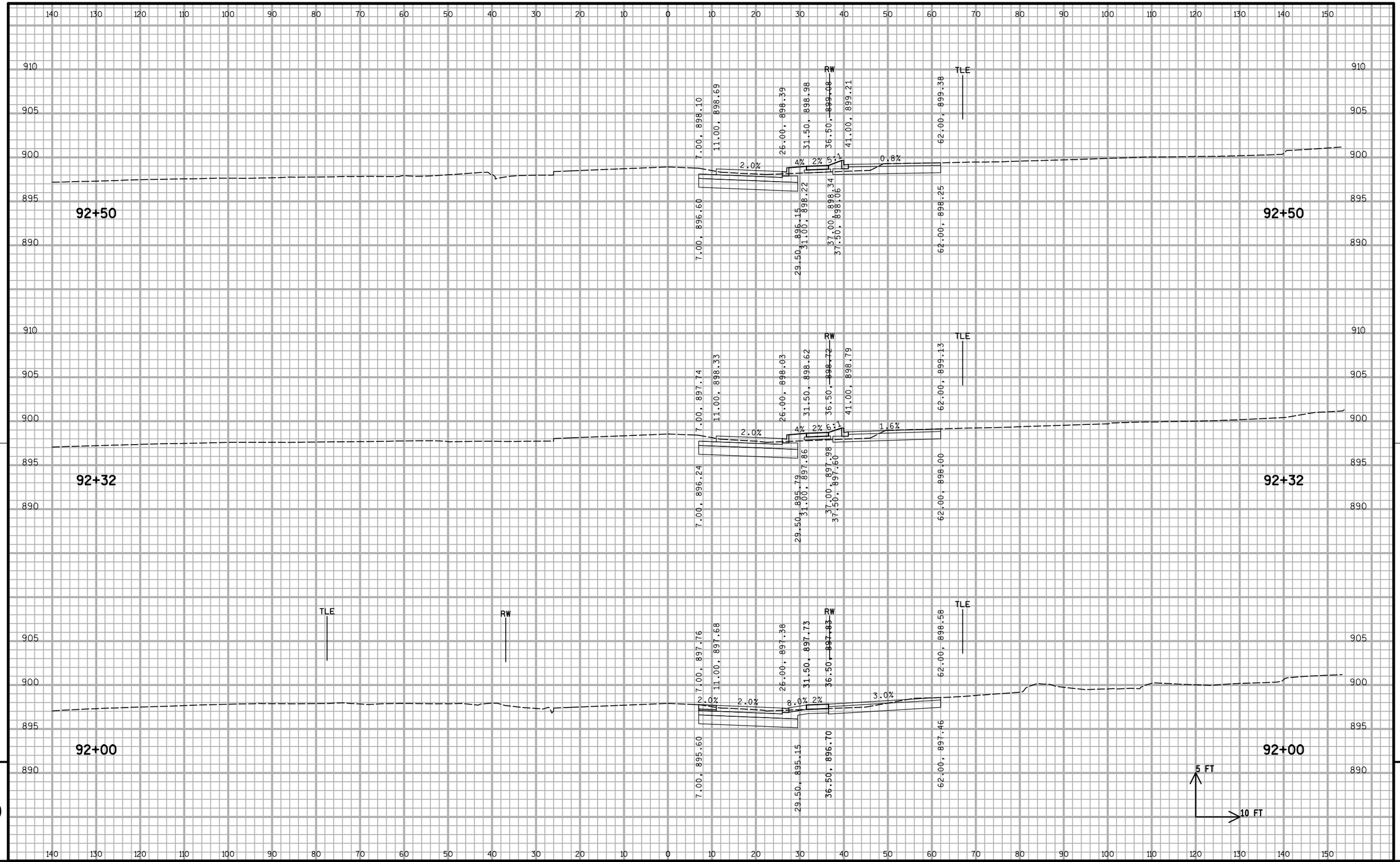
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 736	E

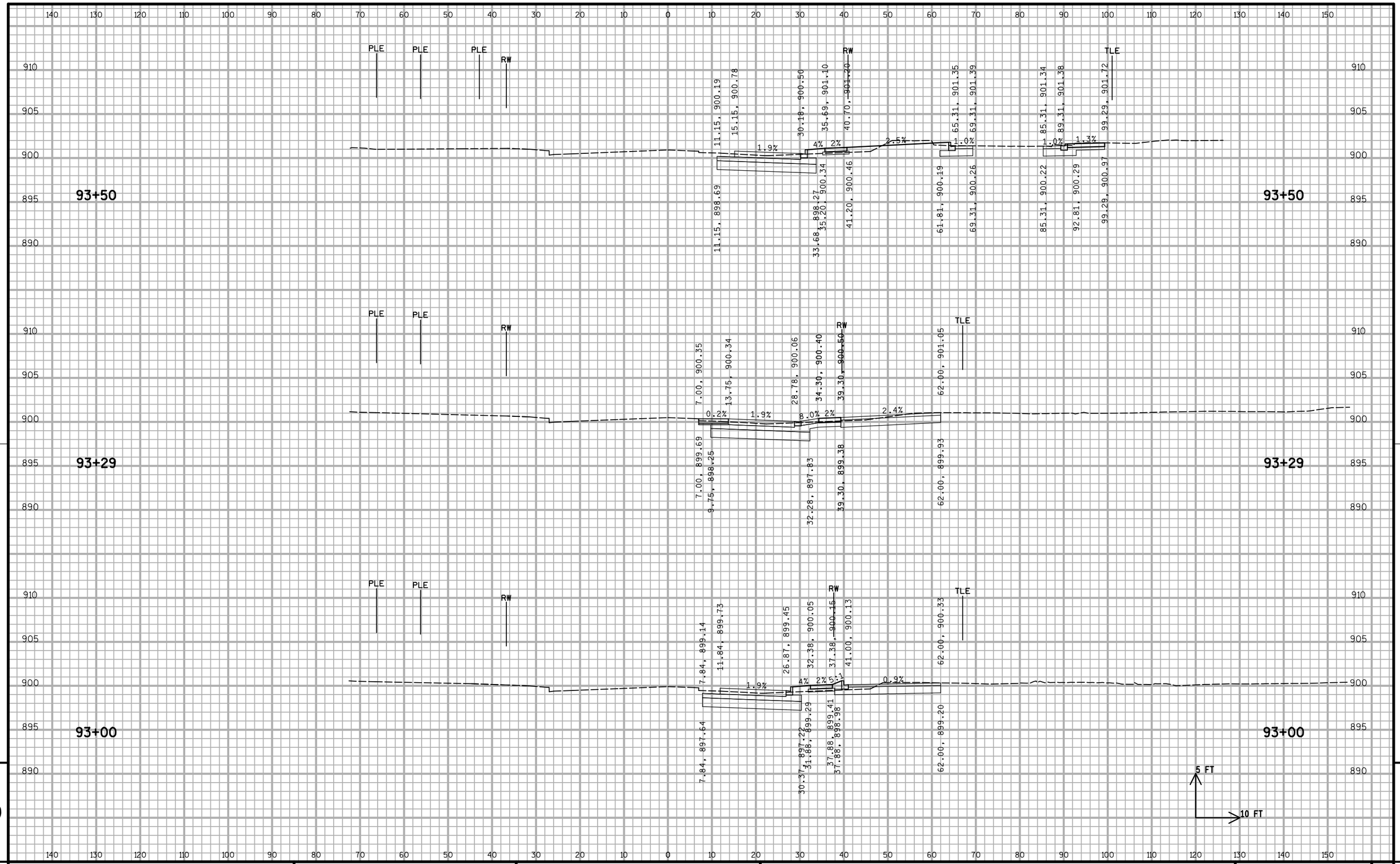
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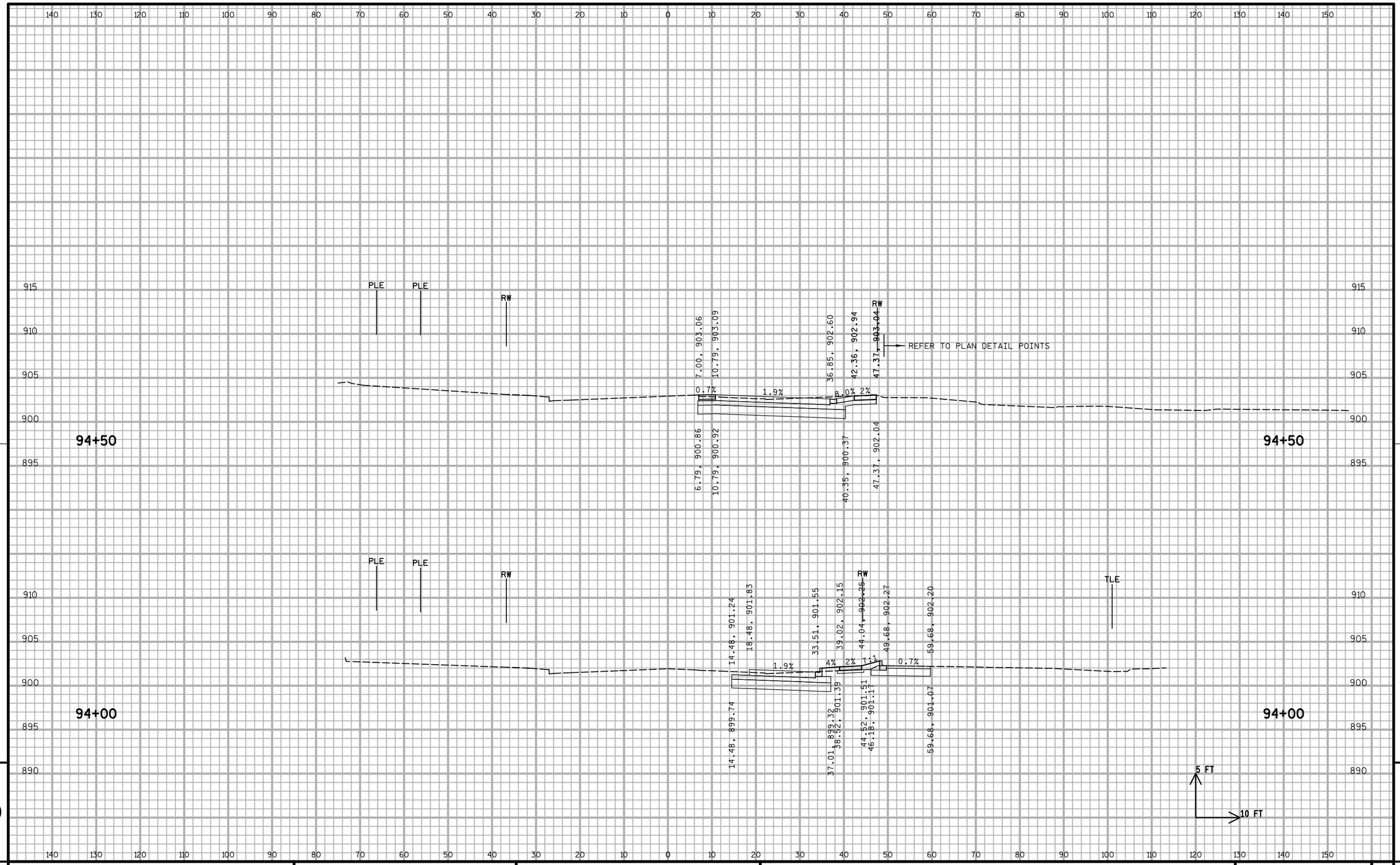
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 737	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 738	E



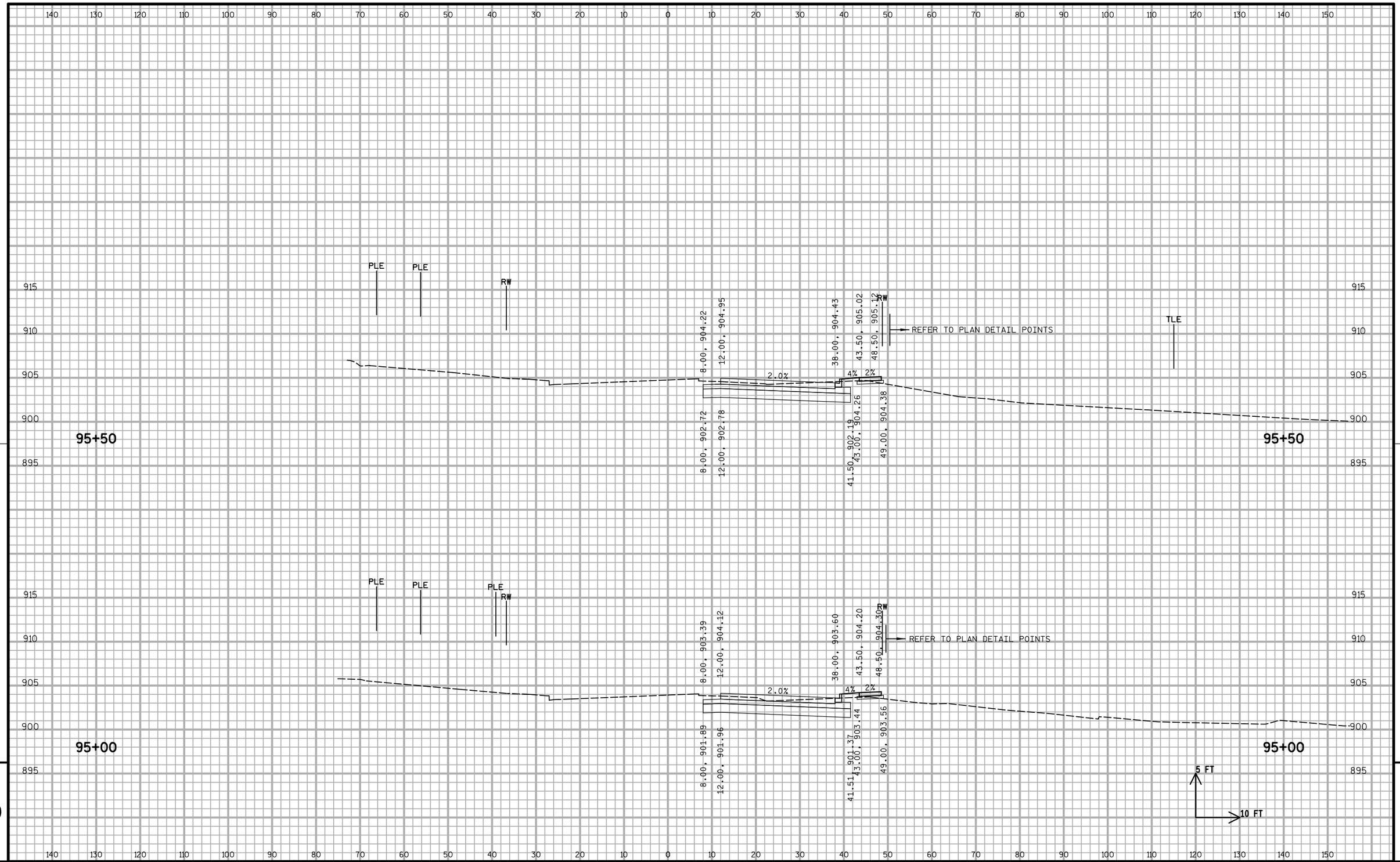
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 739	E

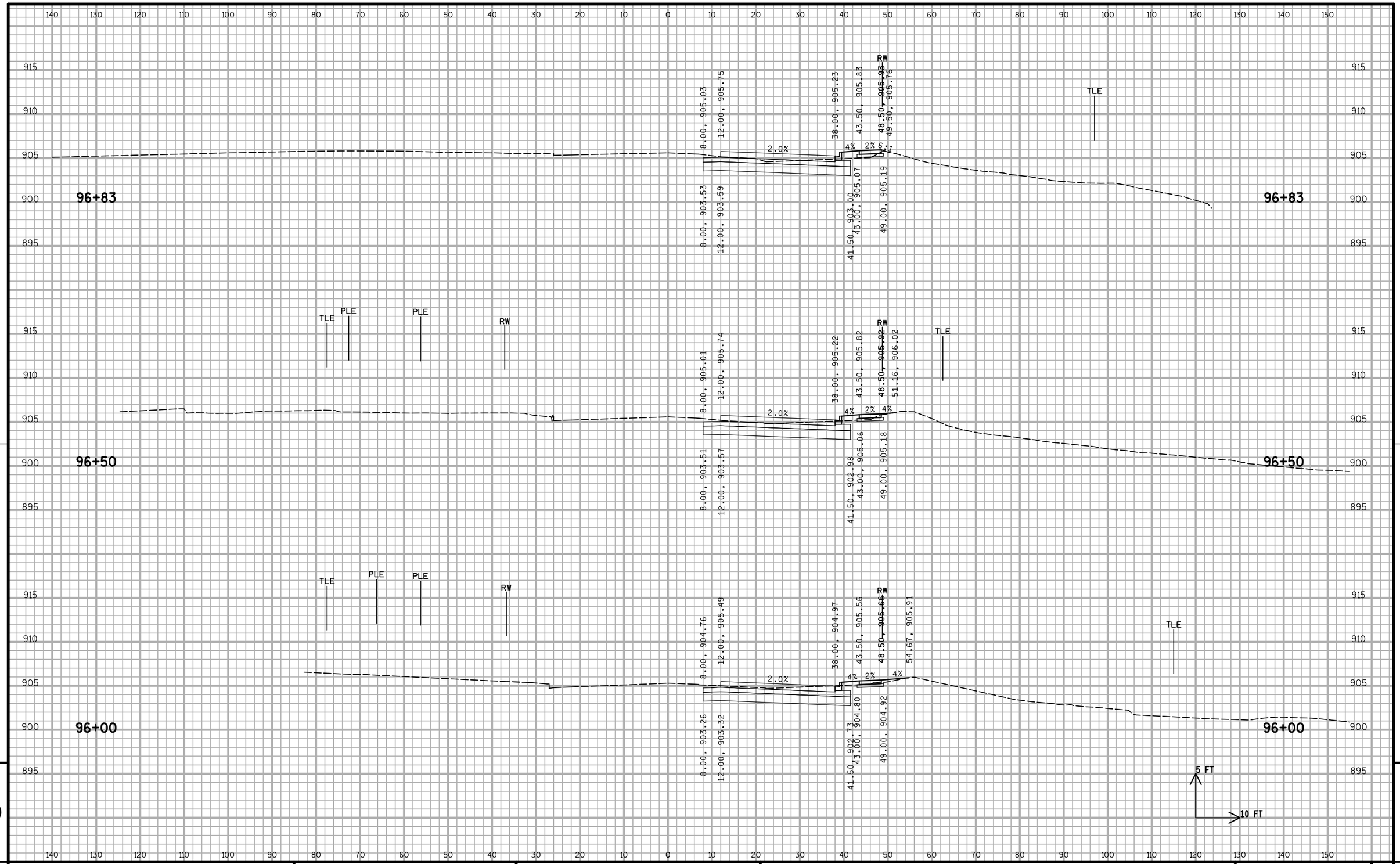
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 740	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

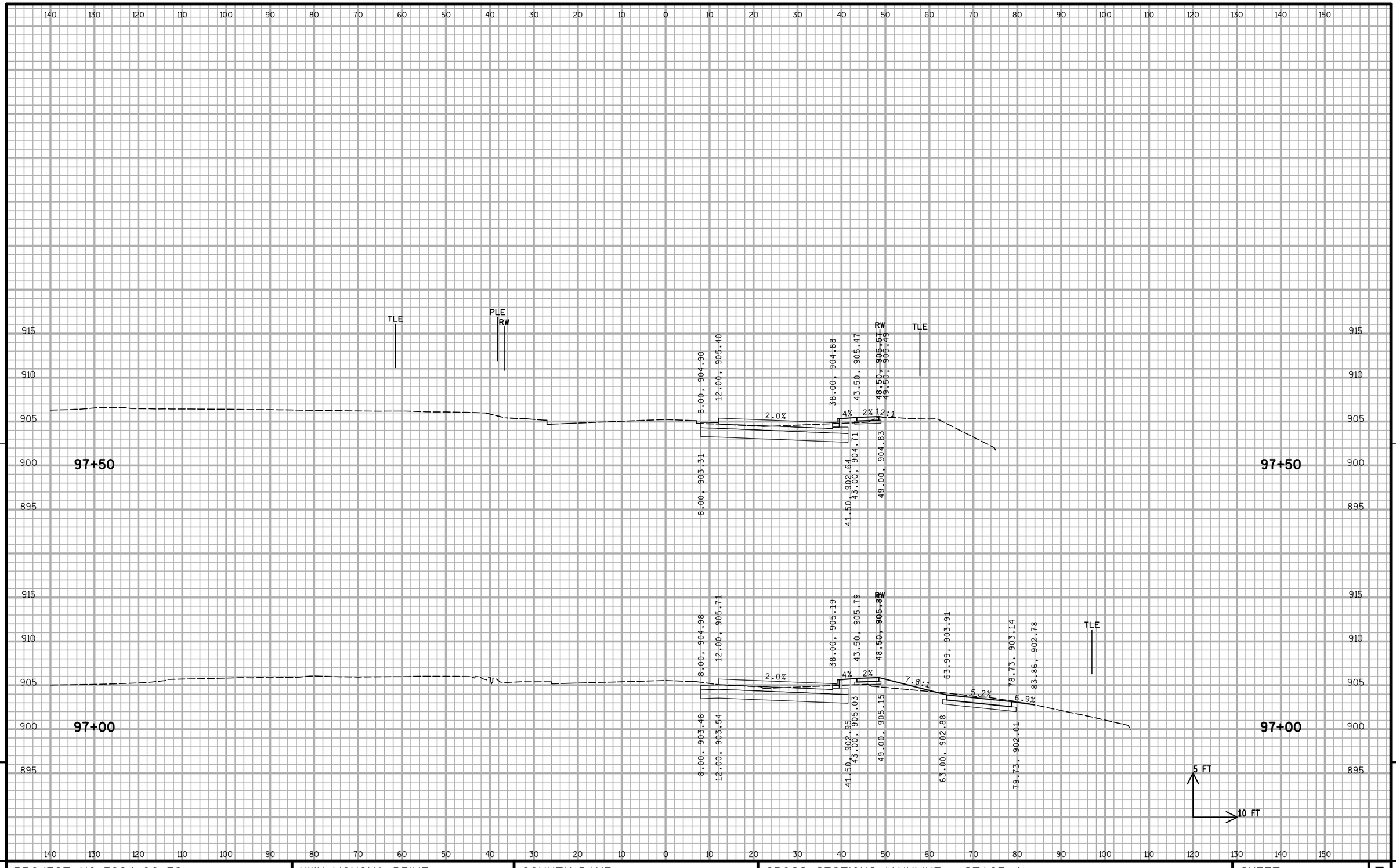


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 741	E

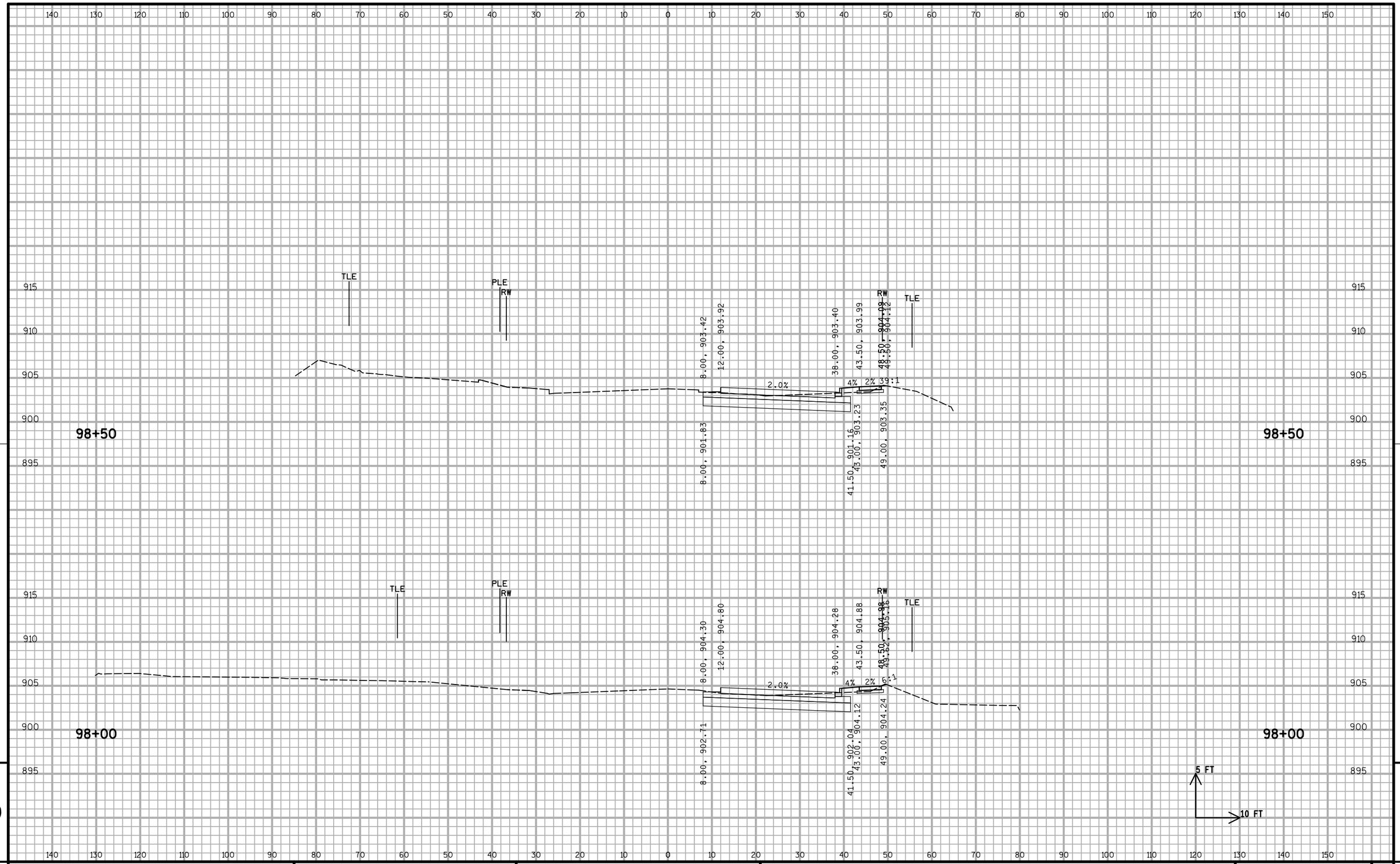
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

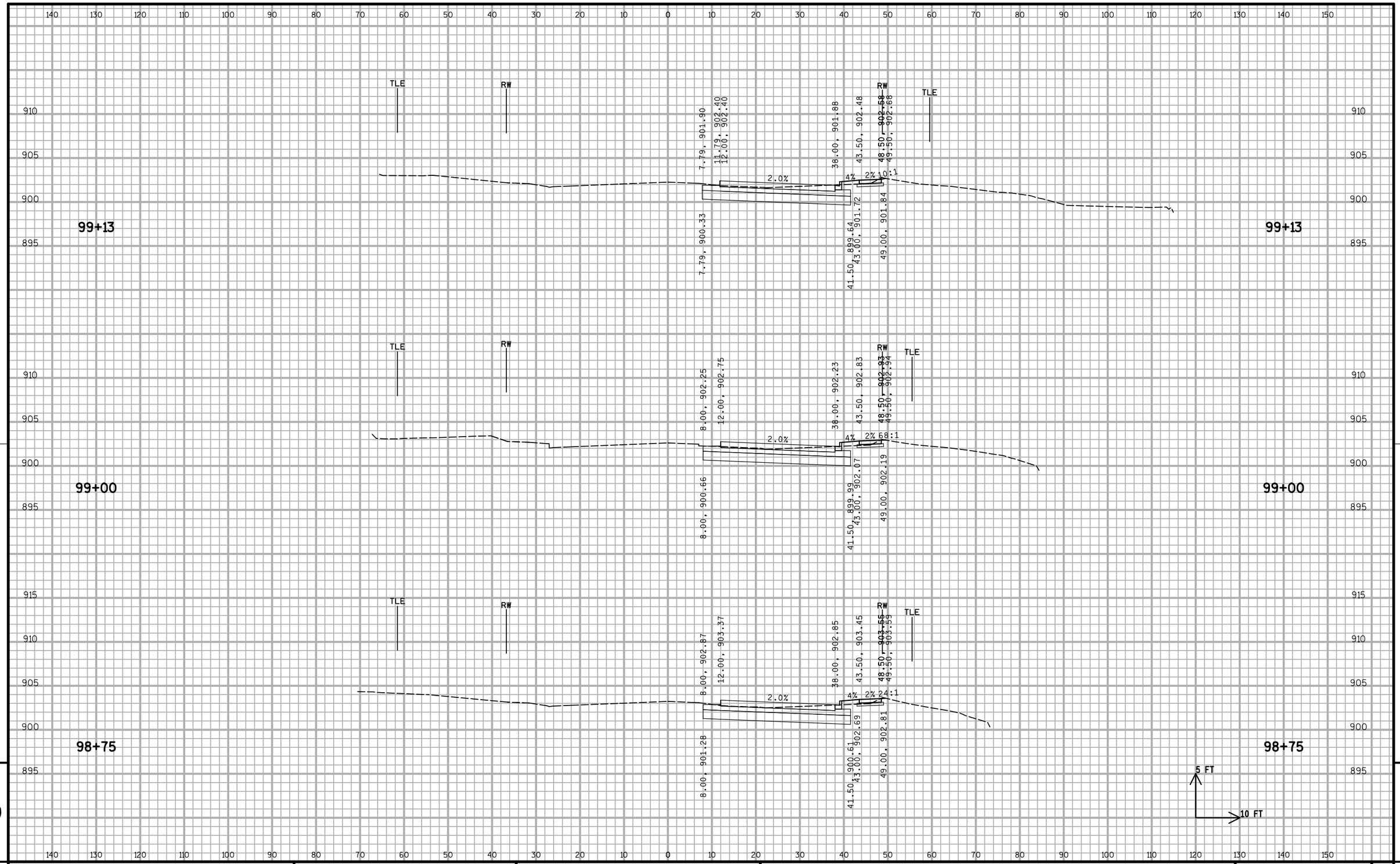
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 743	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

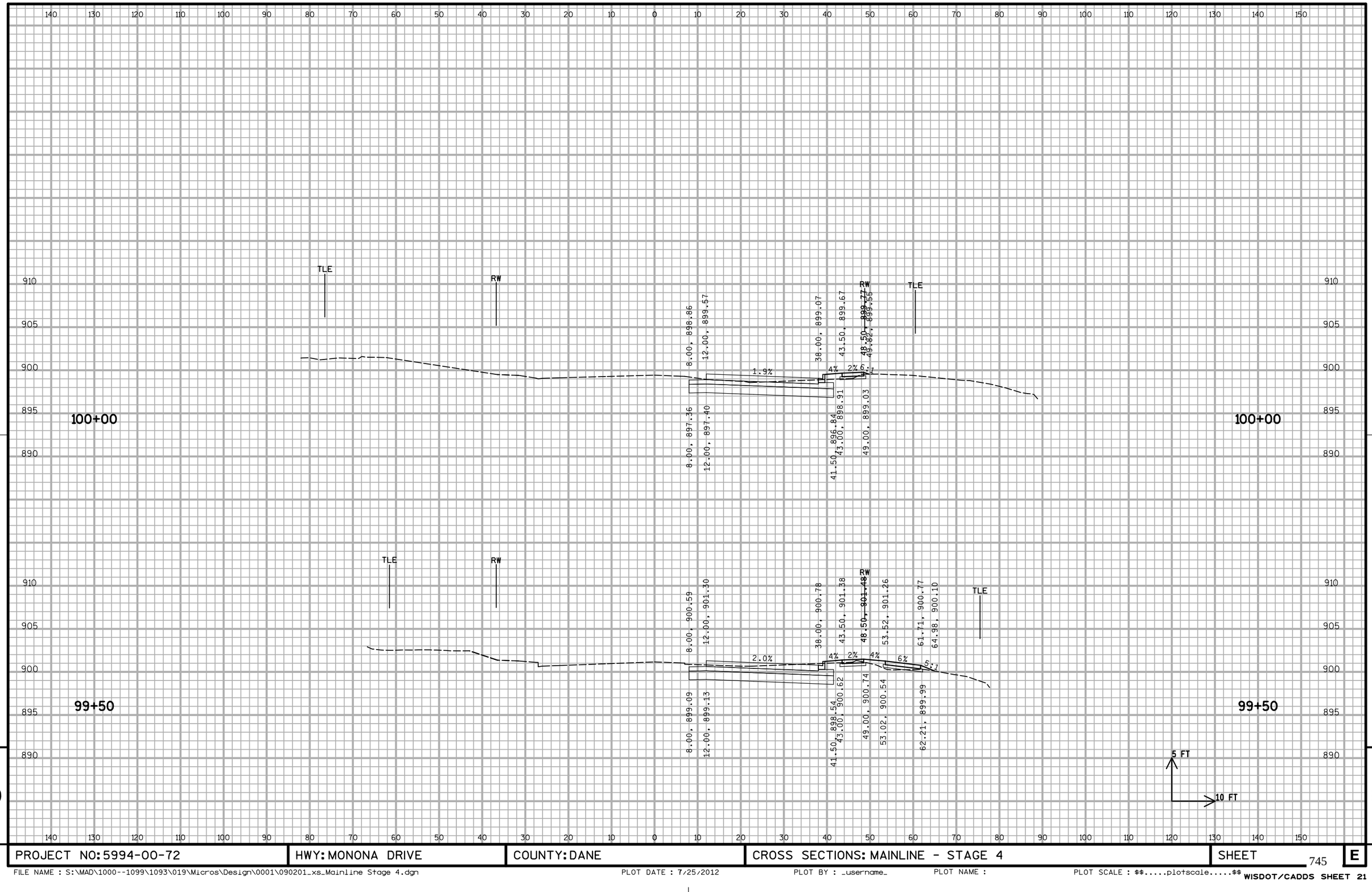


9

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 744	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 745	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

905 900 895 890 885

101+00

MATCH CE LINE
CROSS SECTIONS

7.00, 894.98
12.00, 895.25
38.00, 894.86
5.4%
1.5%
7.00, 894.31
8.00, 893.04
12.00, 893.08
38.00, 892.69

101+00

905 900 895 890 885

100+84

MATCH CE LINE
CROSS SECTIONS

7.00, 895.74
12.00, 896.01
38.00, 895.62
5.4%
1.5%
7.00, 895.08
8.00, 893.80
12.00, 893.85
38.00, 893.46

100+84

910 905 900 895 890 885

TLE
TLE
RW

100+50

MATCH CE LINE
CROSS SECTIONS

7.00, 897.28
12.00, 897.55
38.00, 897.16
5.4%
1.5%
7.00, 896.61
8.00, 895.34
12.00, 895.38
38.00, 894.99

100+50

5 FT
10 FT

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

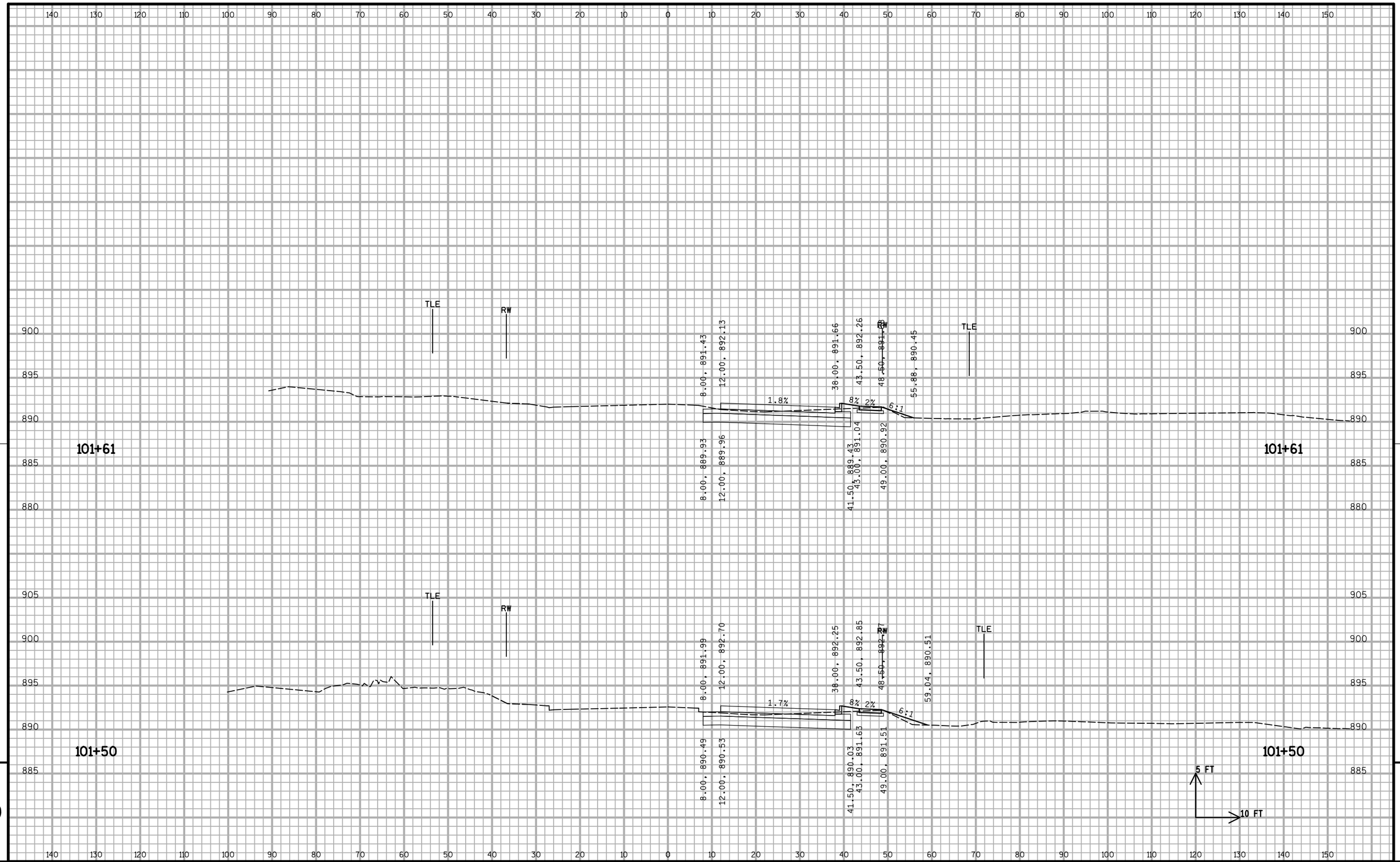
9

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



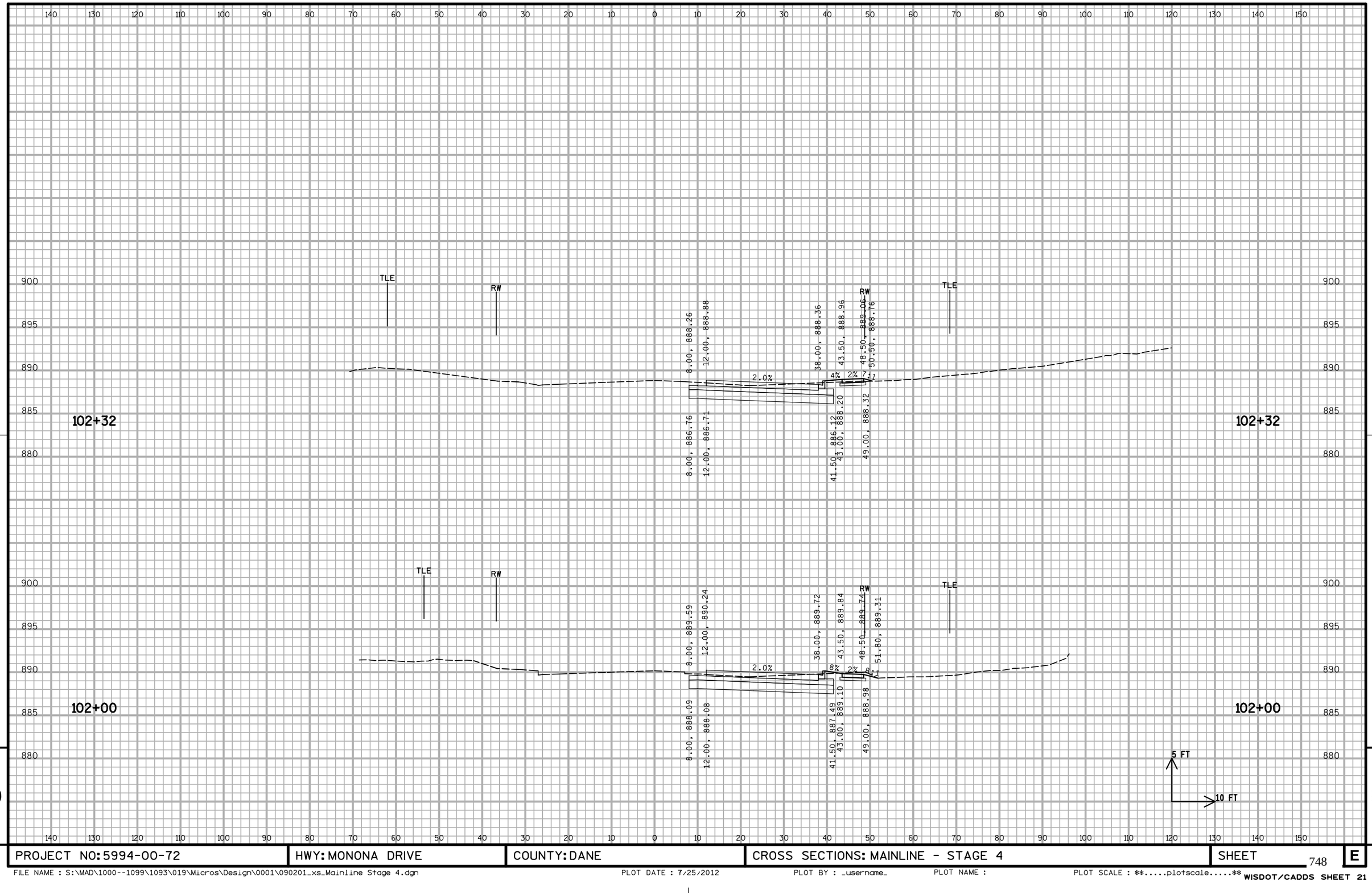
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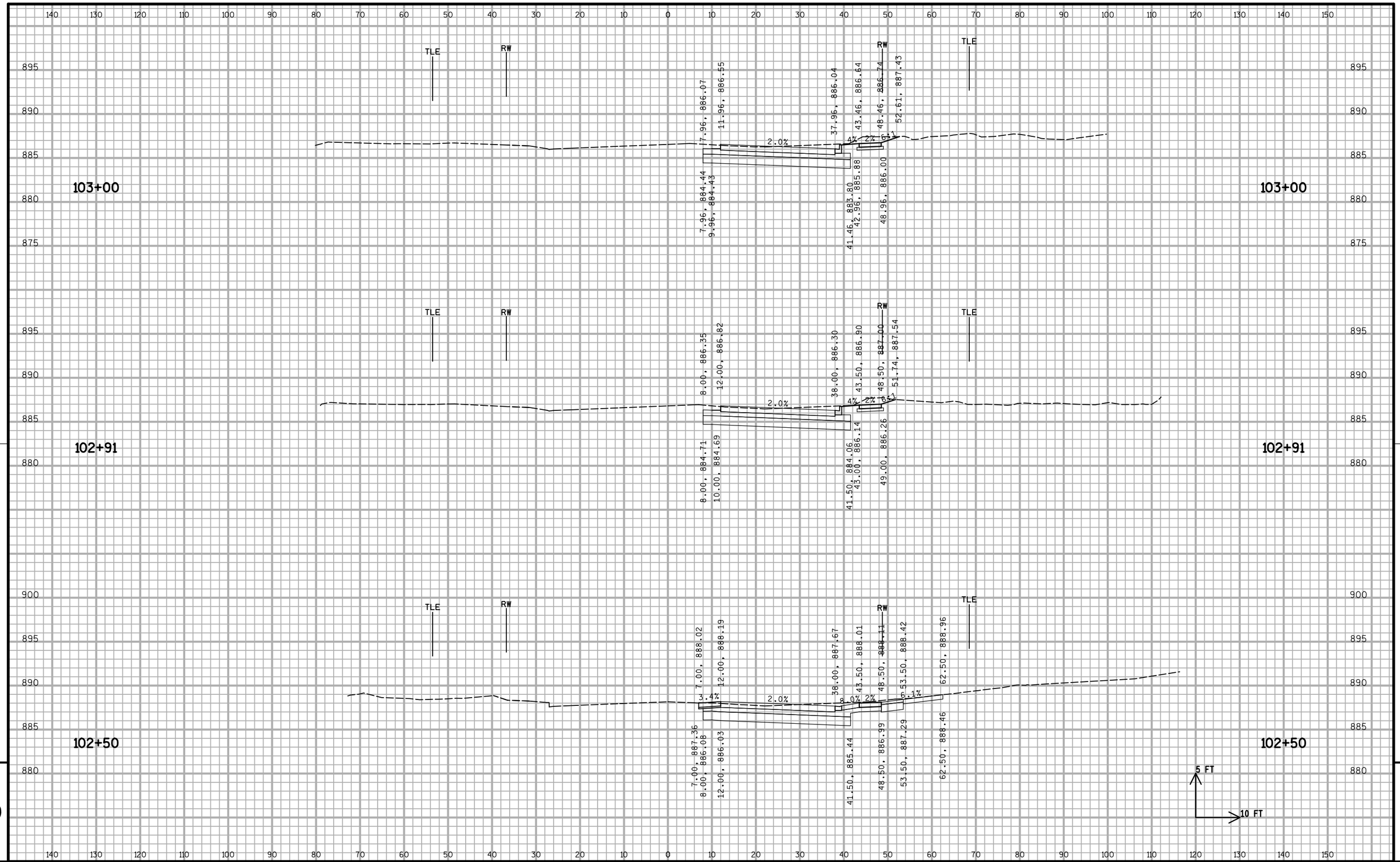
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 747	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 748	E



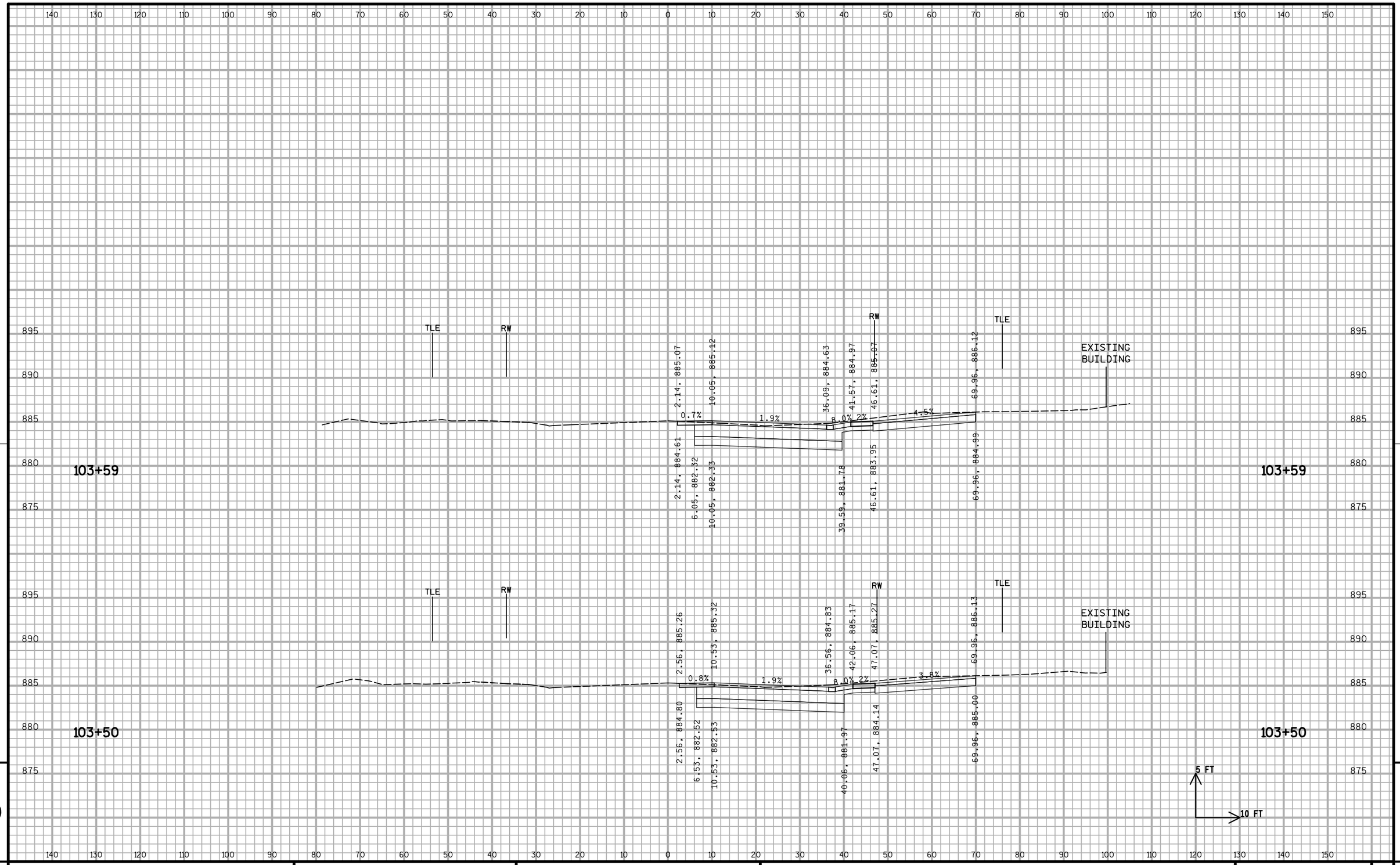
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9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 749	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

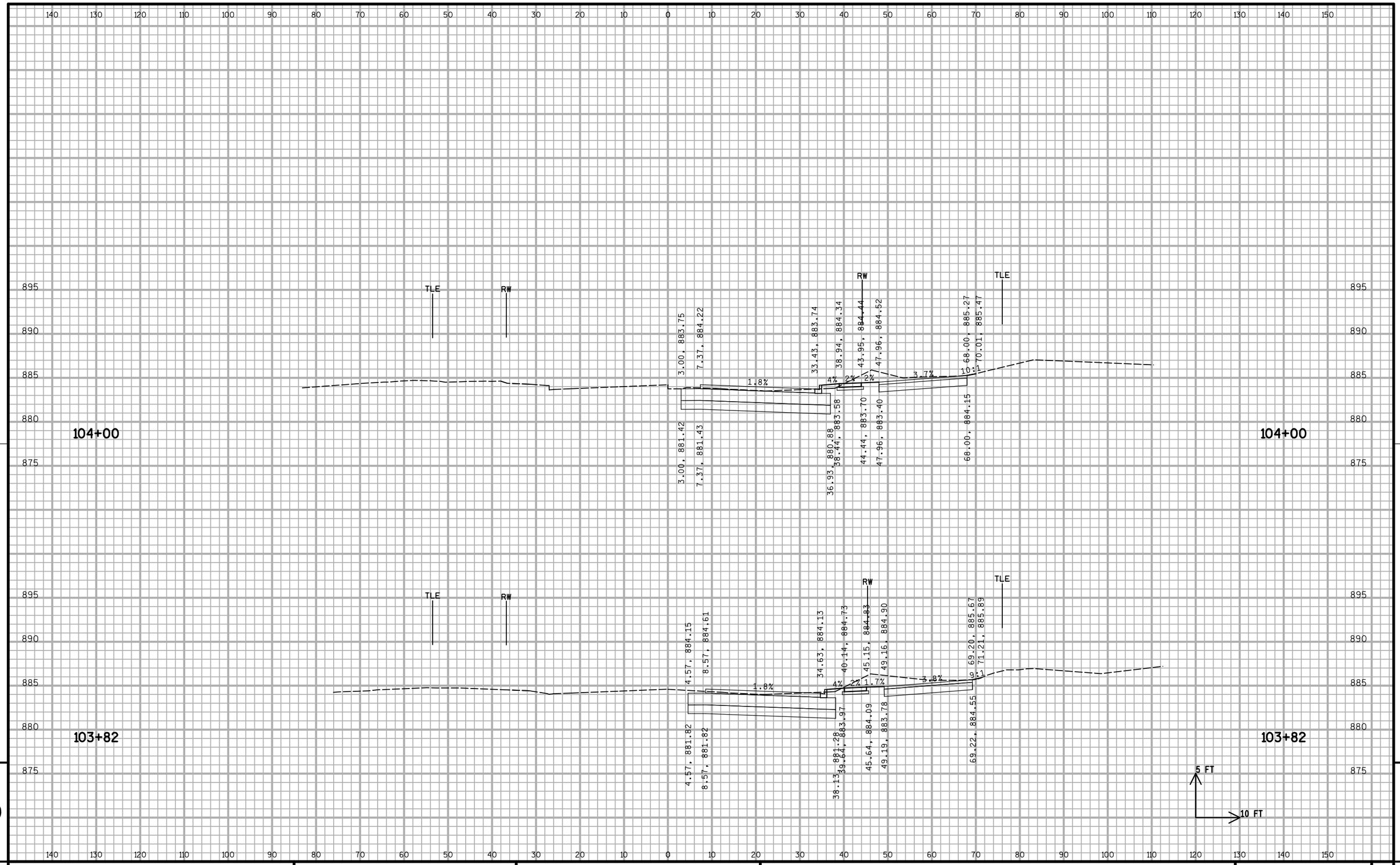
WISDOT/CADDS SHEET 21



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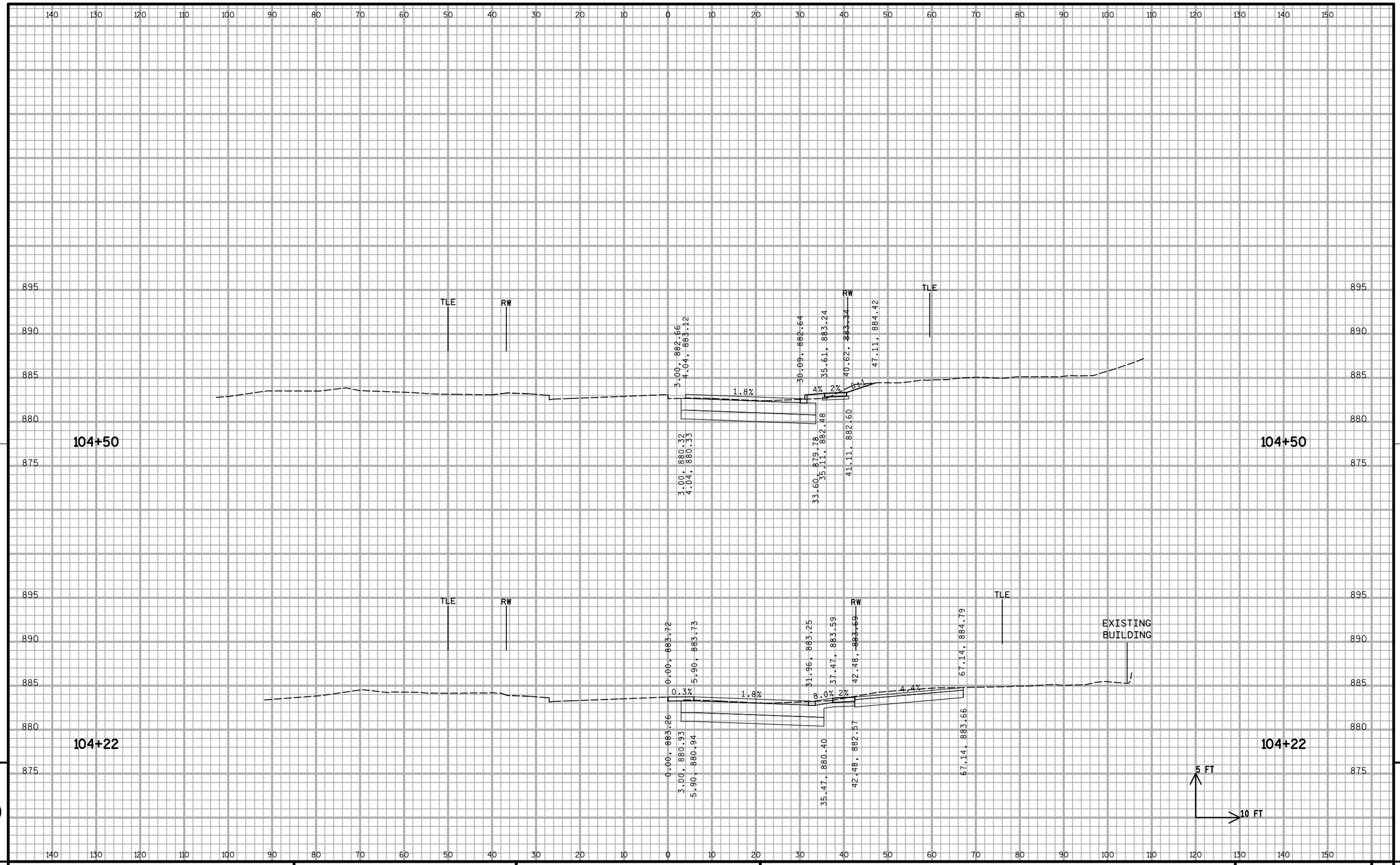
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 750	E



9

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 751	E

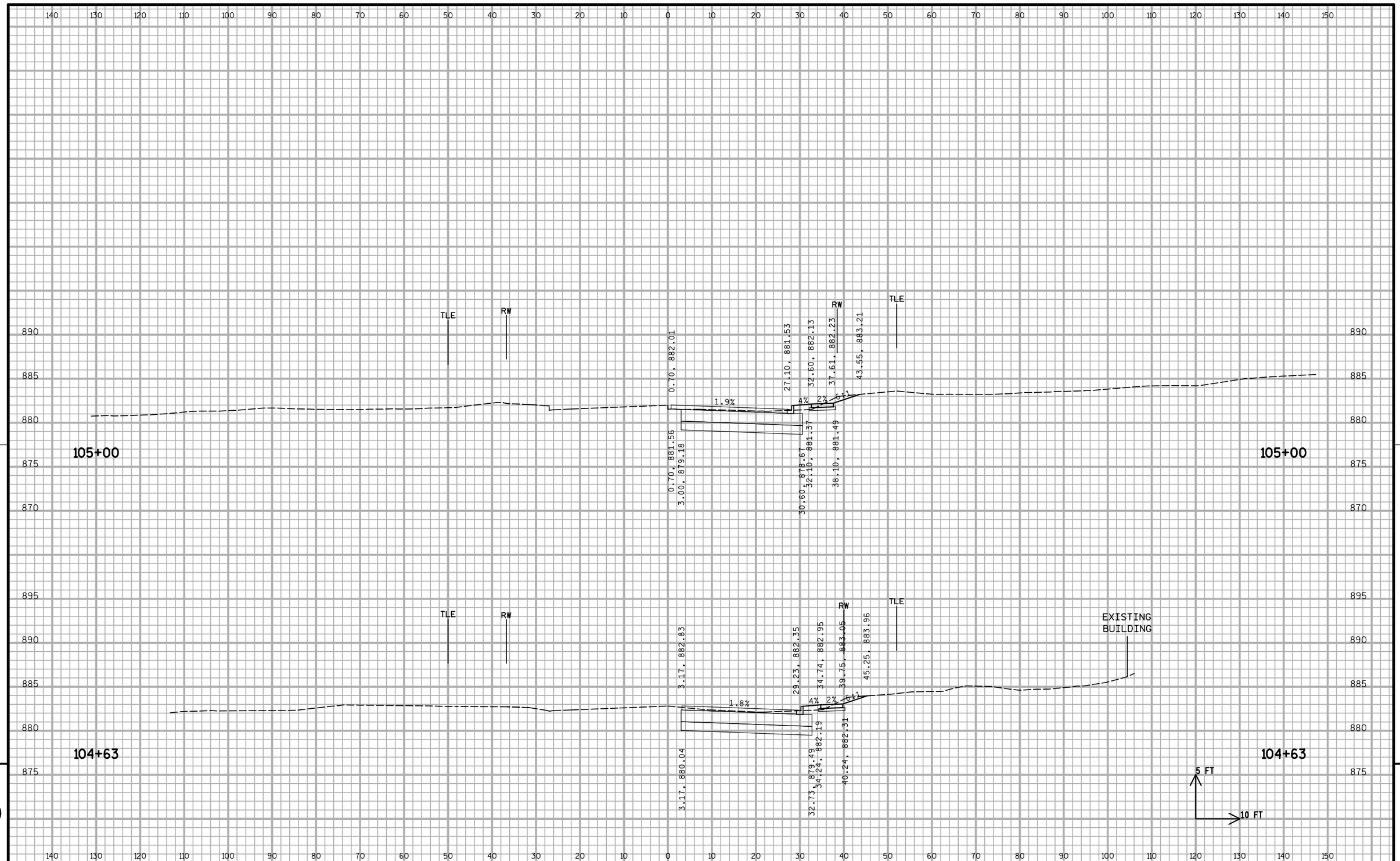


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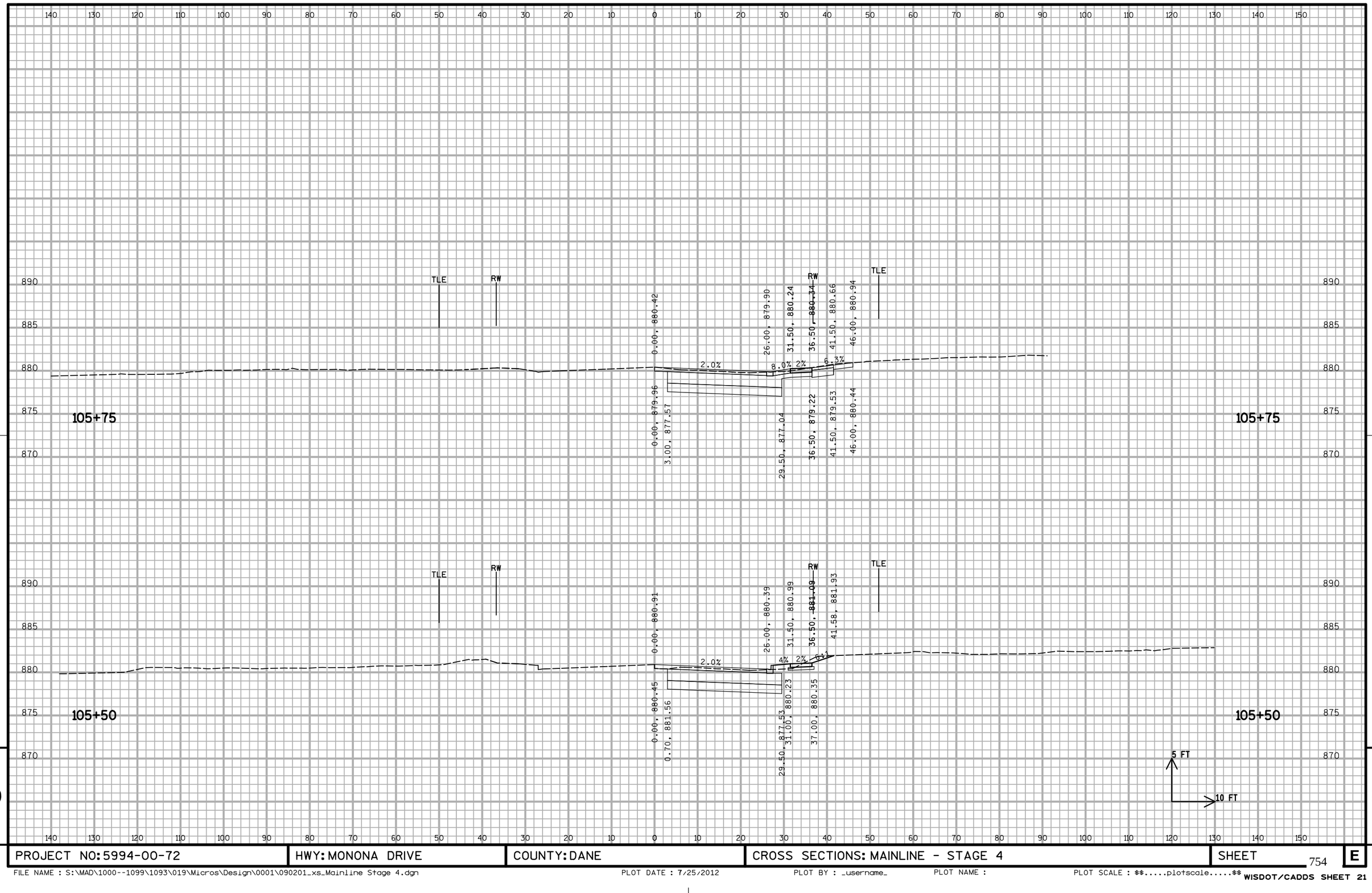
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 752	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 753	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 754	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

890 885 880 875 870

TLE RW RW TLE

0.00, 879.41
26.00, 878.89
31.50, 879.23
36.50, 879.33
42.00, 879.38

2.0% 8.0% 2% 0.8%

0.00, 878.95
3.00, 876.56
29.50, 876.03
36.50, 878.20
42.00, 878.25

106+36

106+36

890 885 880 875 870

TLE RW RW TLE

0.00, 879.98
26.00, 879.46
31.50, 880.05
36.50, 880.15
44.00, 880.68

2.0% 4% 2% 14:1

0.00, 879.52
3.00, 877.12
29.50, 876.59
31.00, 879.29
37.00, 879.41

106+00

106+00

5 FT
10 FT

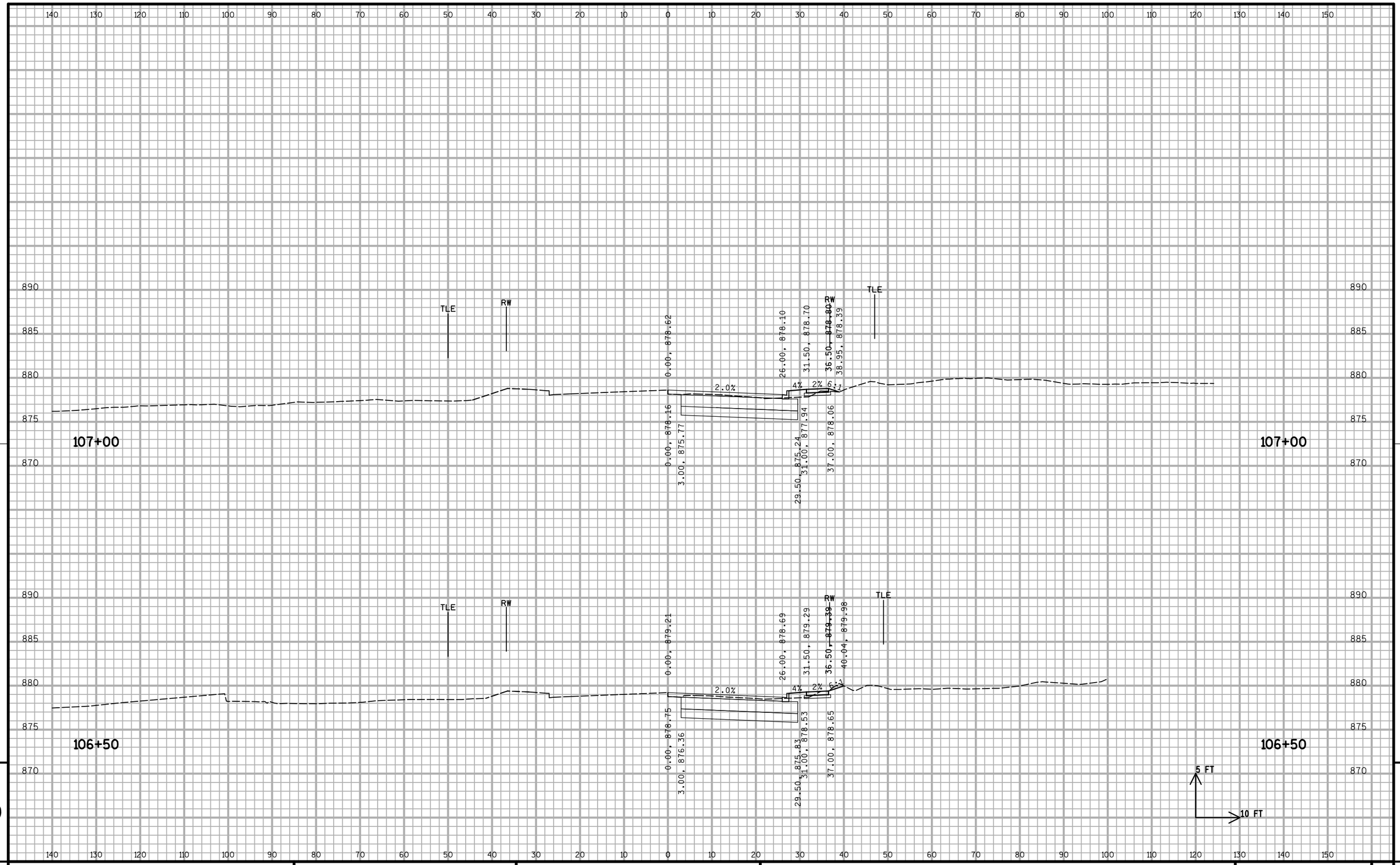
140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9 9

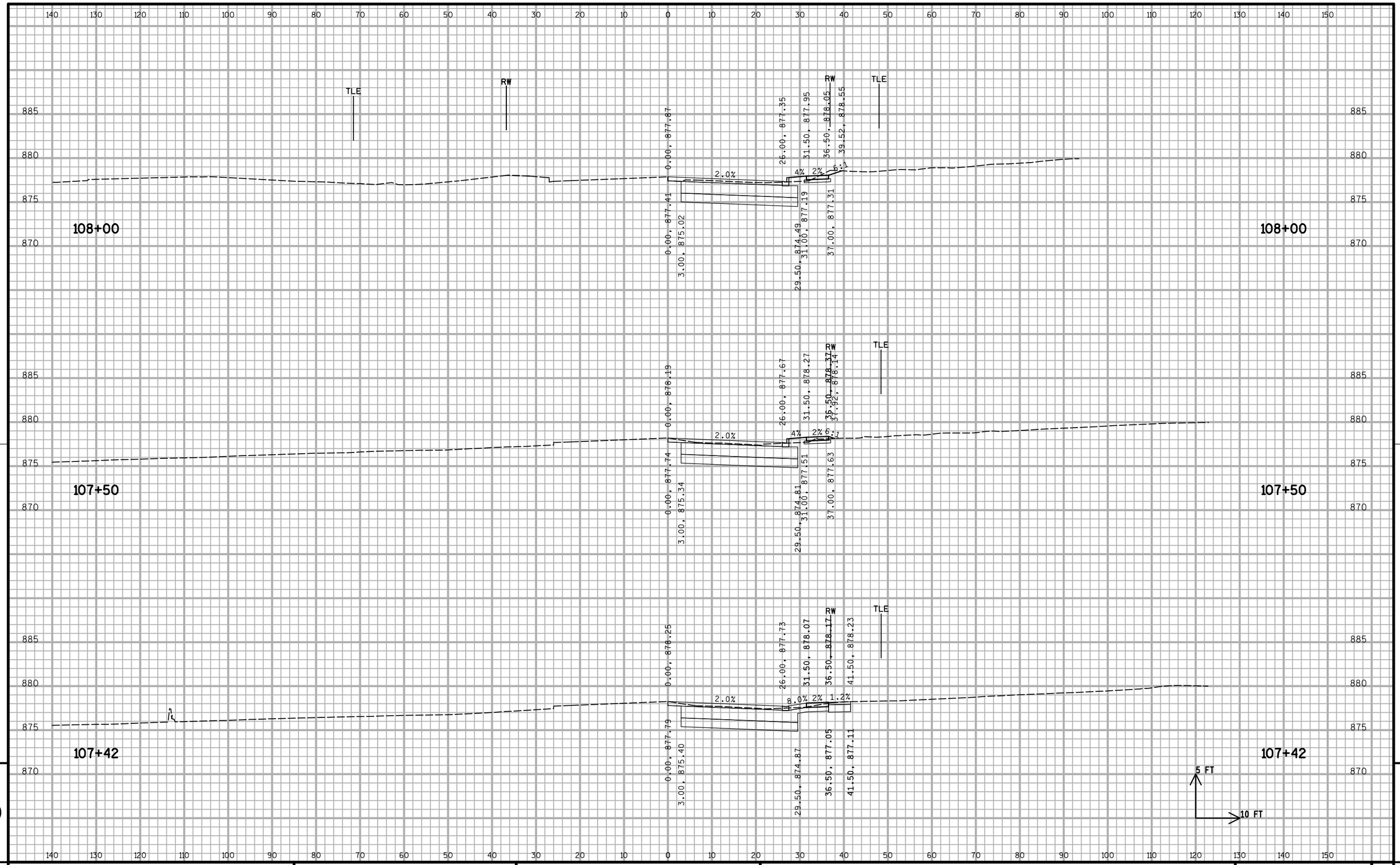
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 755	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



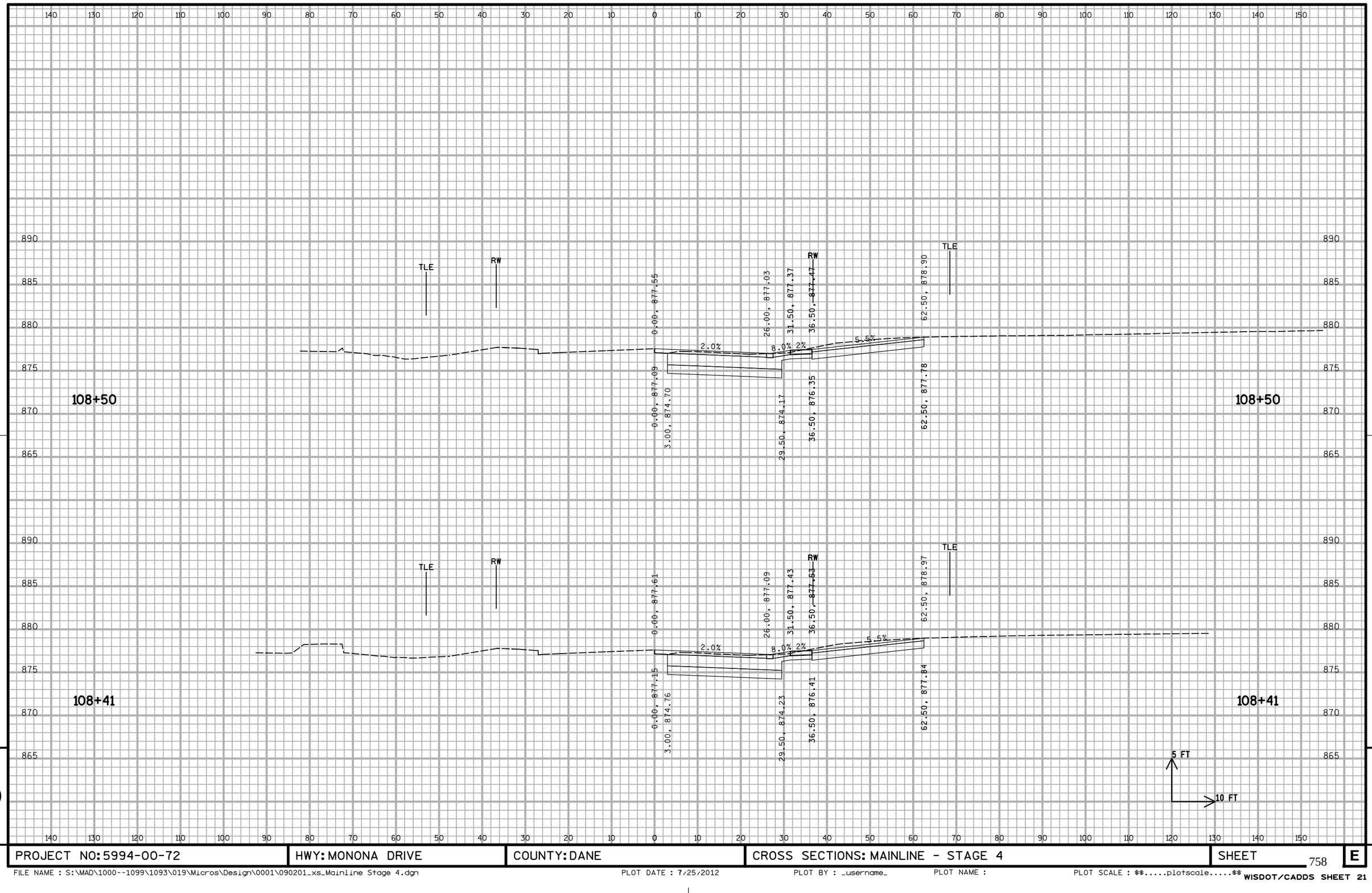
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 756	E



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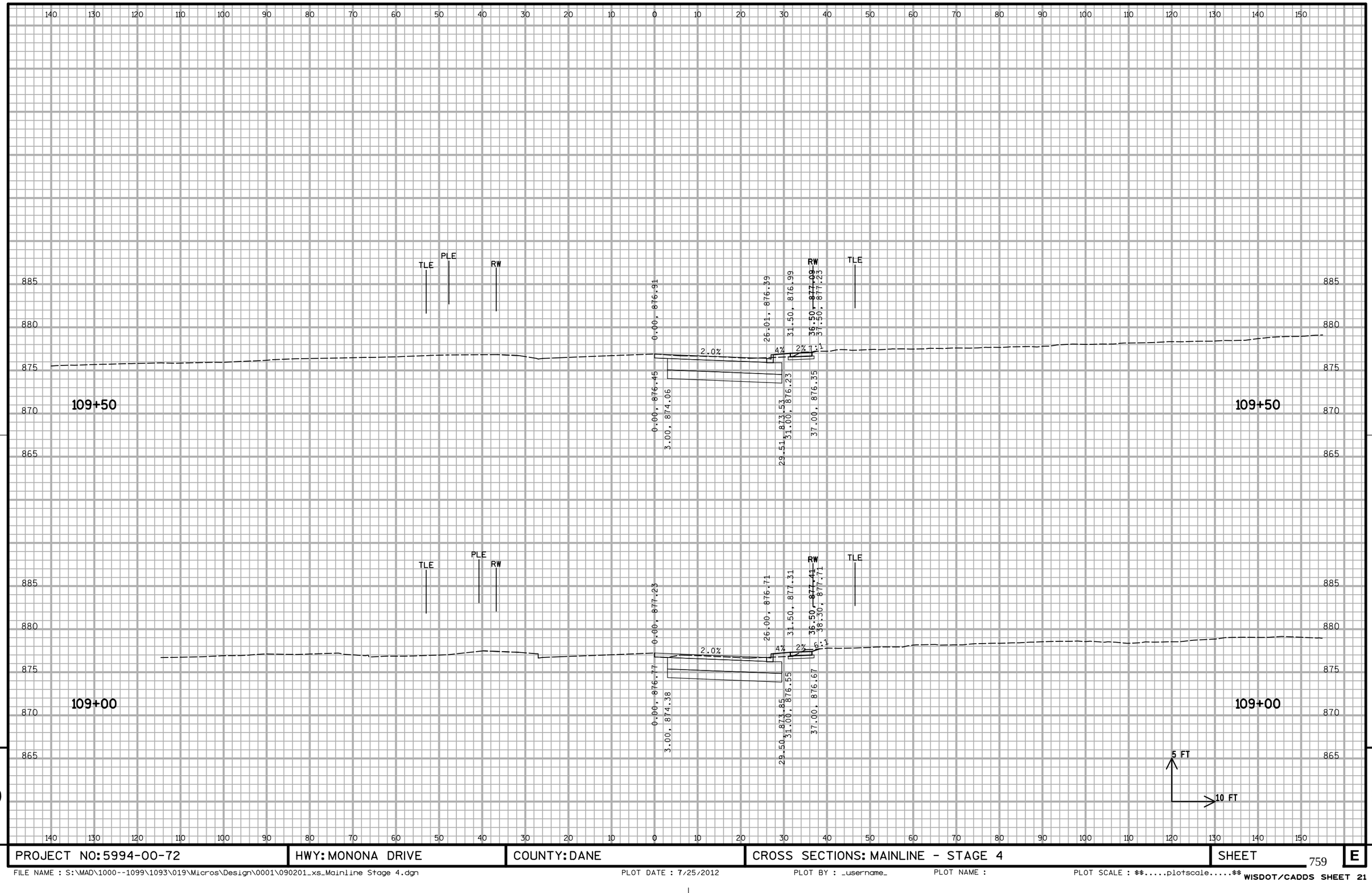
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 757	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 758	E

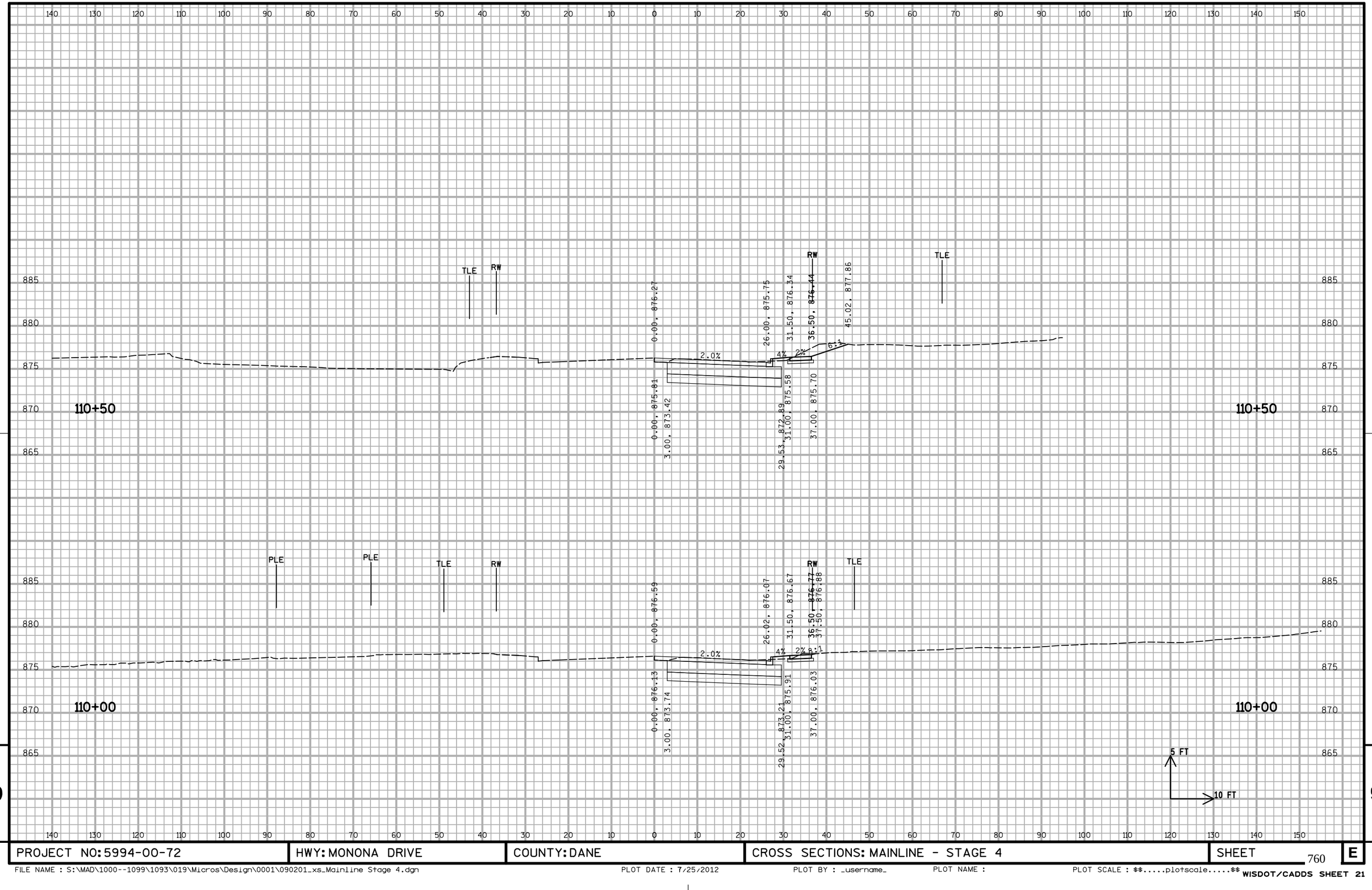
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 759	E



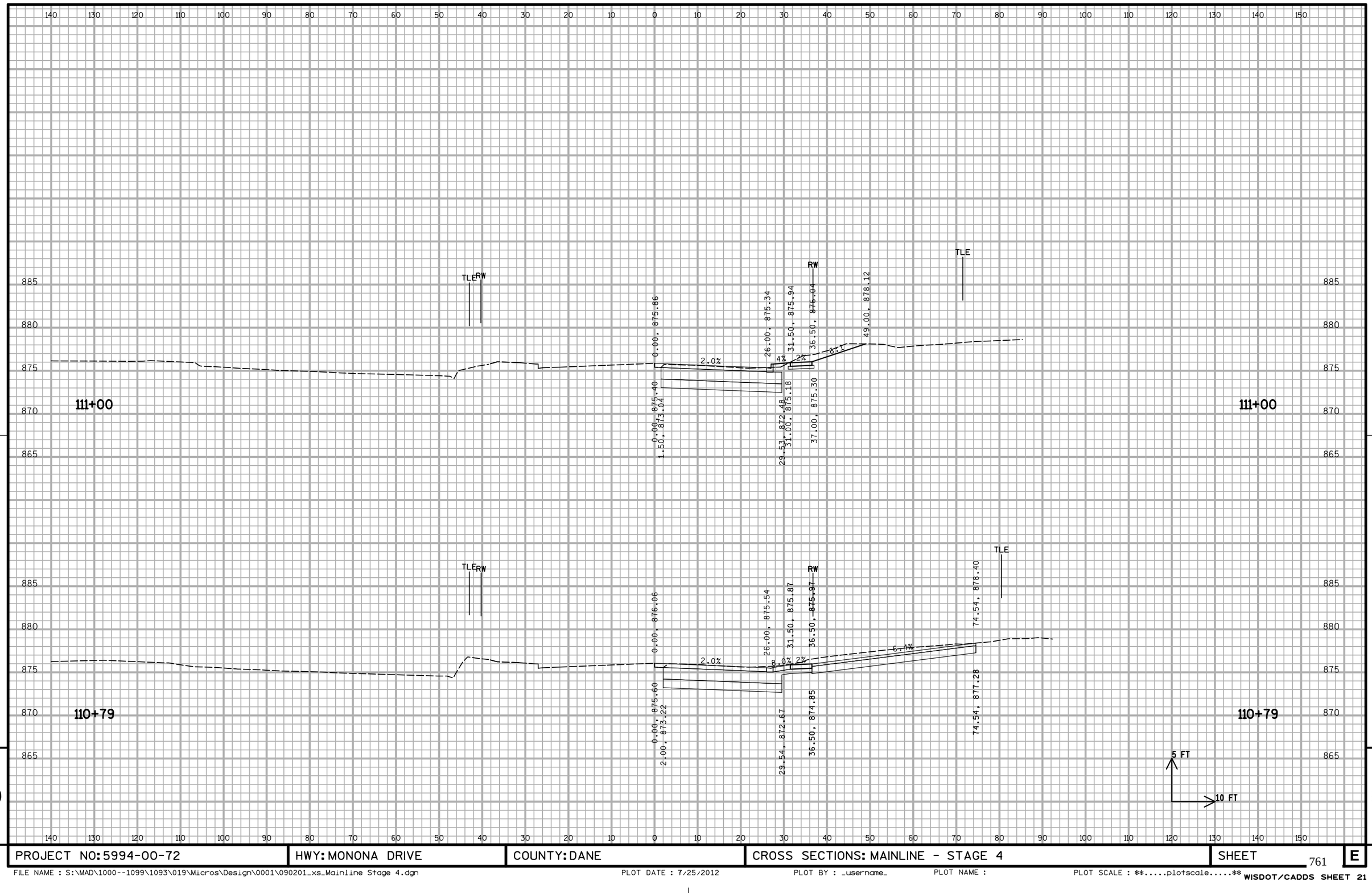
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 760	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET 761	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 4.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

112+00

111+50

111+23

111+18

TLE RW

RW

TLE

0.00, 875.61
26.00, 875.09
31.50, 875.69
36.50, 875.79
46.39, 877.44

0.00, 872.82
29.54, 872.23
31.00, 874.93
37.00, 875.05

0.00, 875.67
26.00, 875.15
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36.50, 875.85
45.81, 877.40

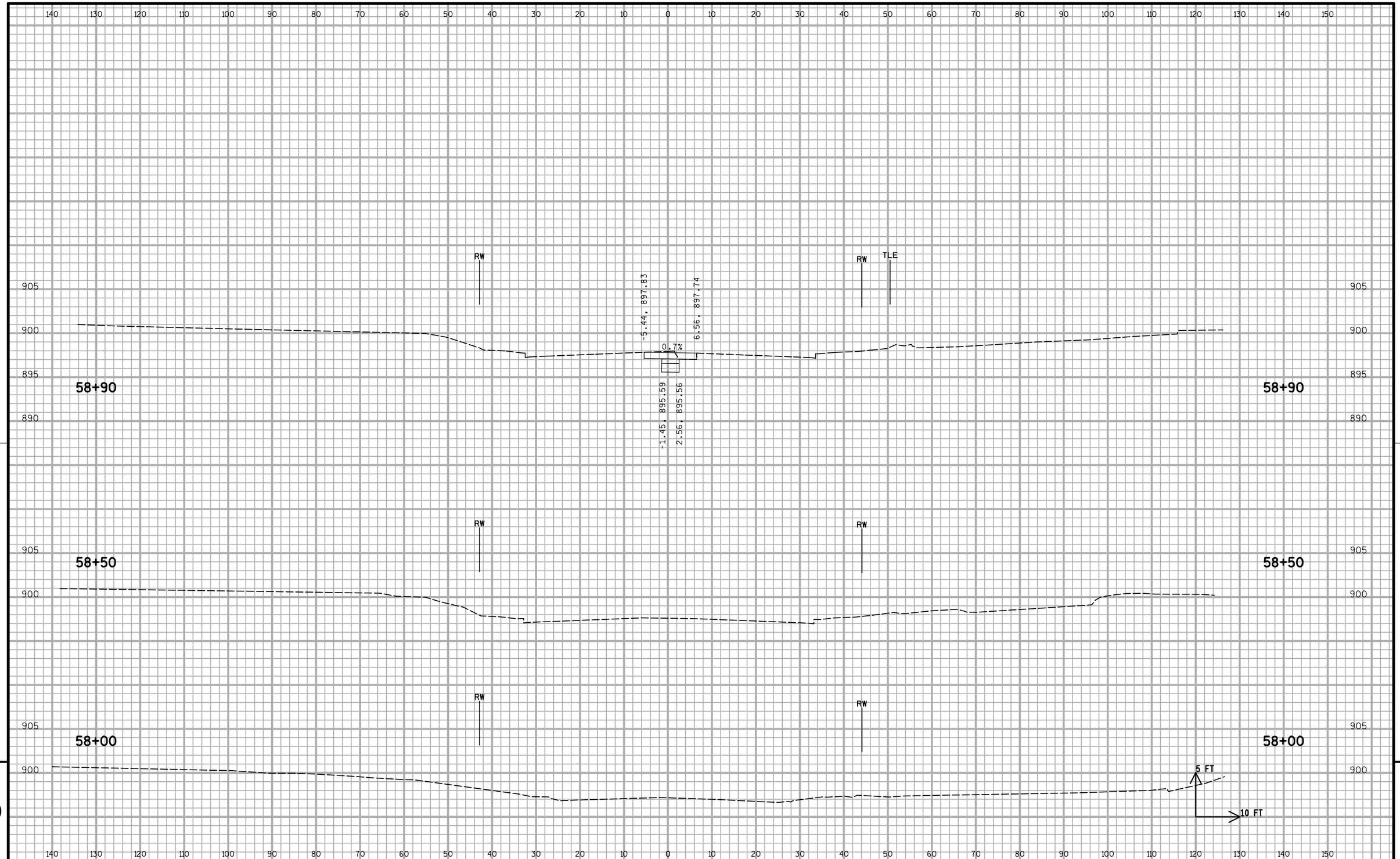
0.00, 872.88
29.53, 872.29
31.00, 874.99
37.00, 875.11

2.0%
4%
2%
6:1

5 FT
10 FT

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 4	SHEET	E

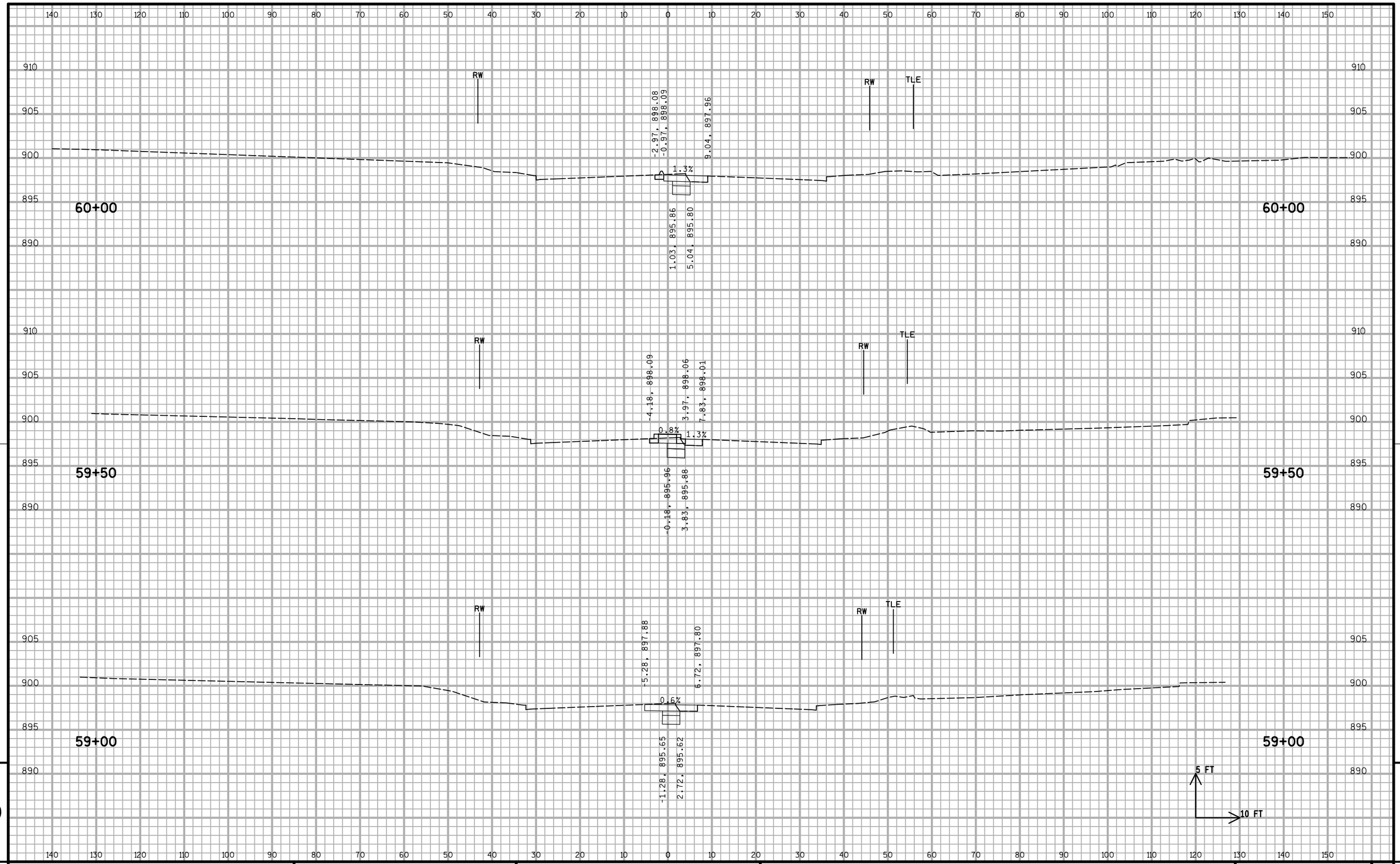
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 763	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

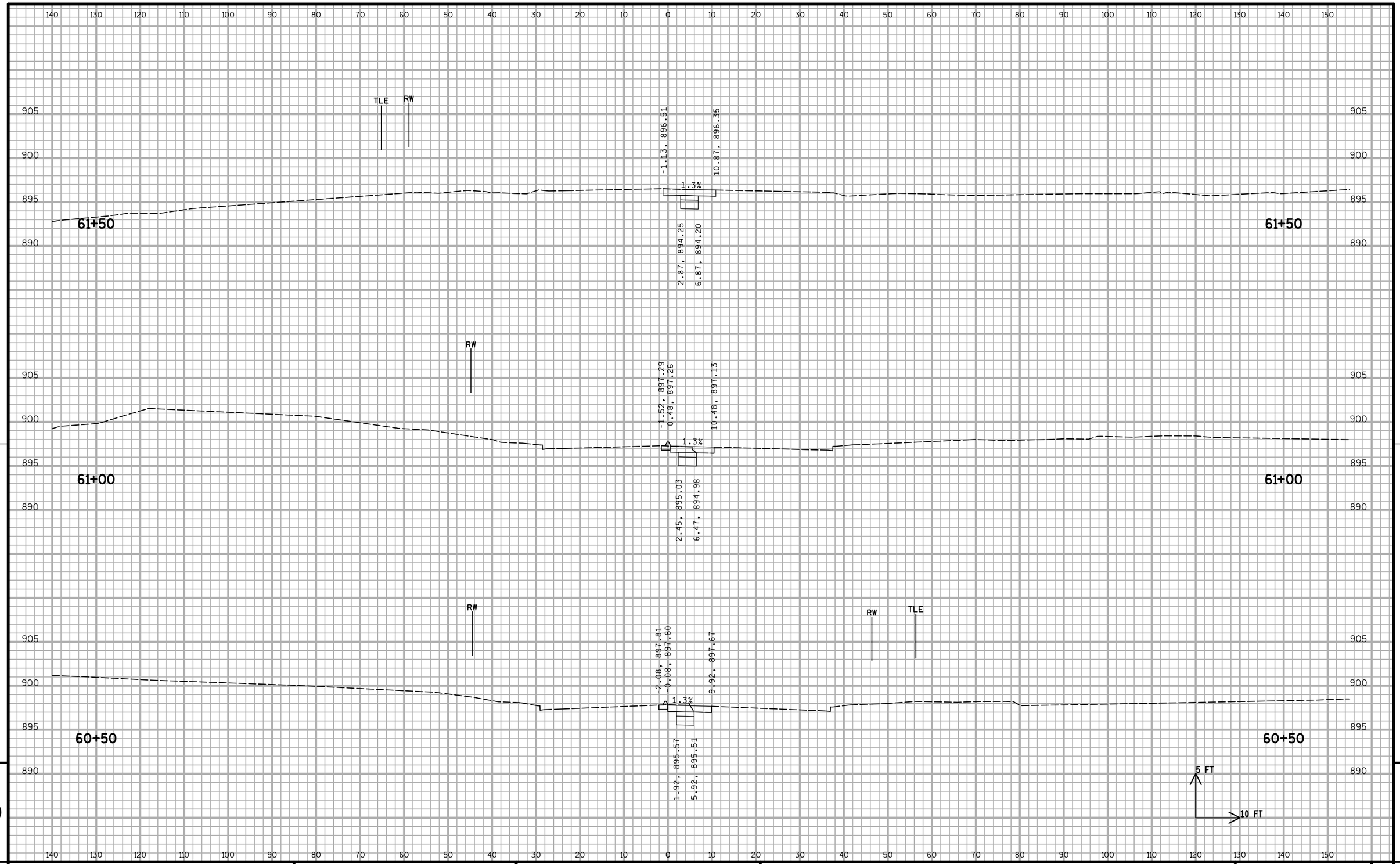


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 764	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



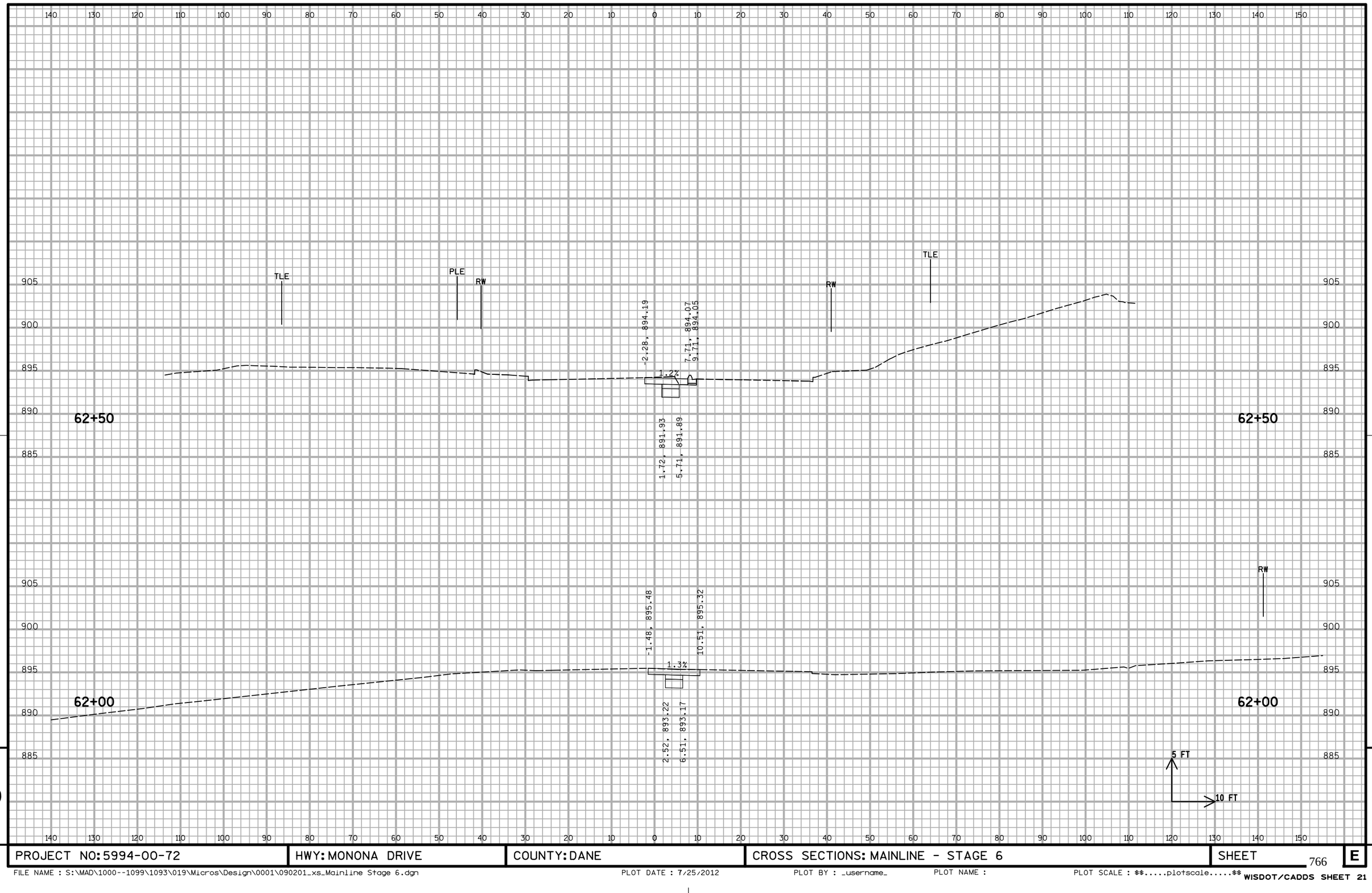
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 765	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



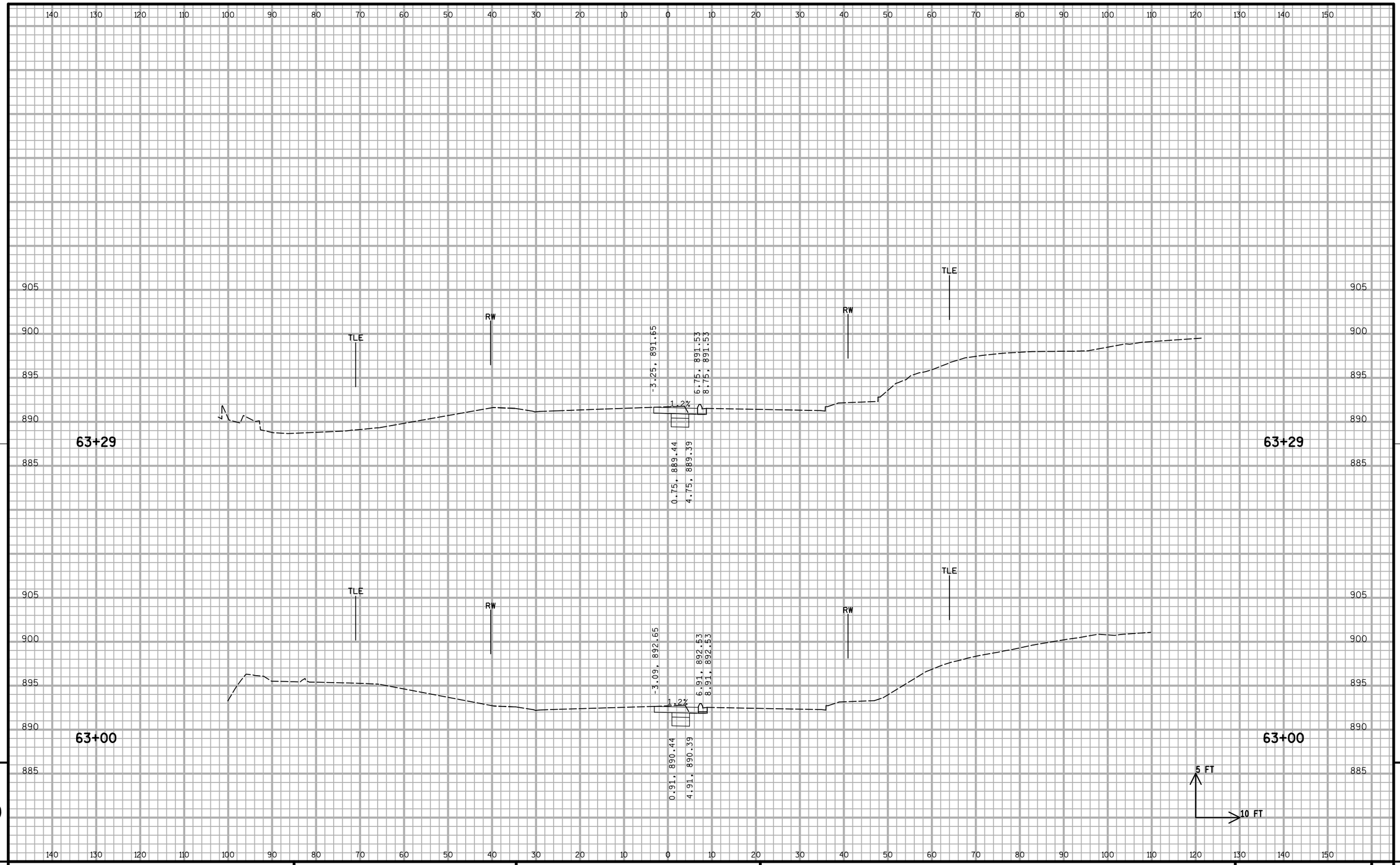
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 766	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



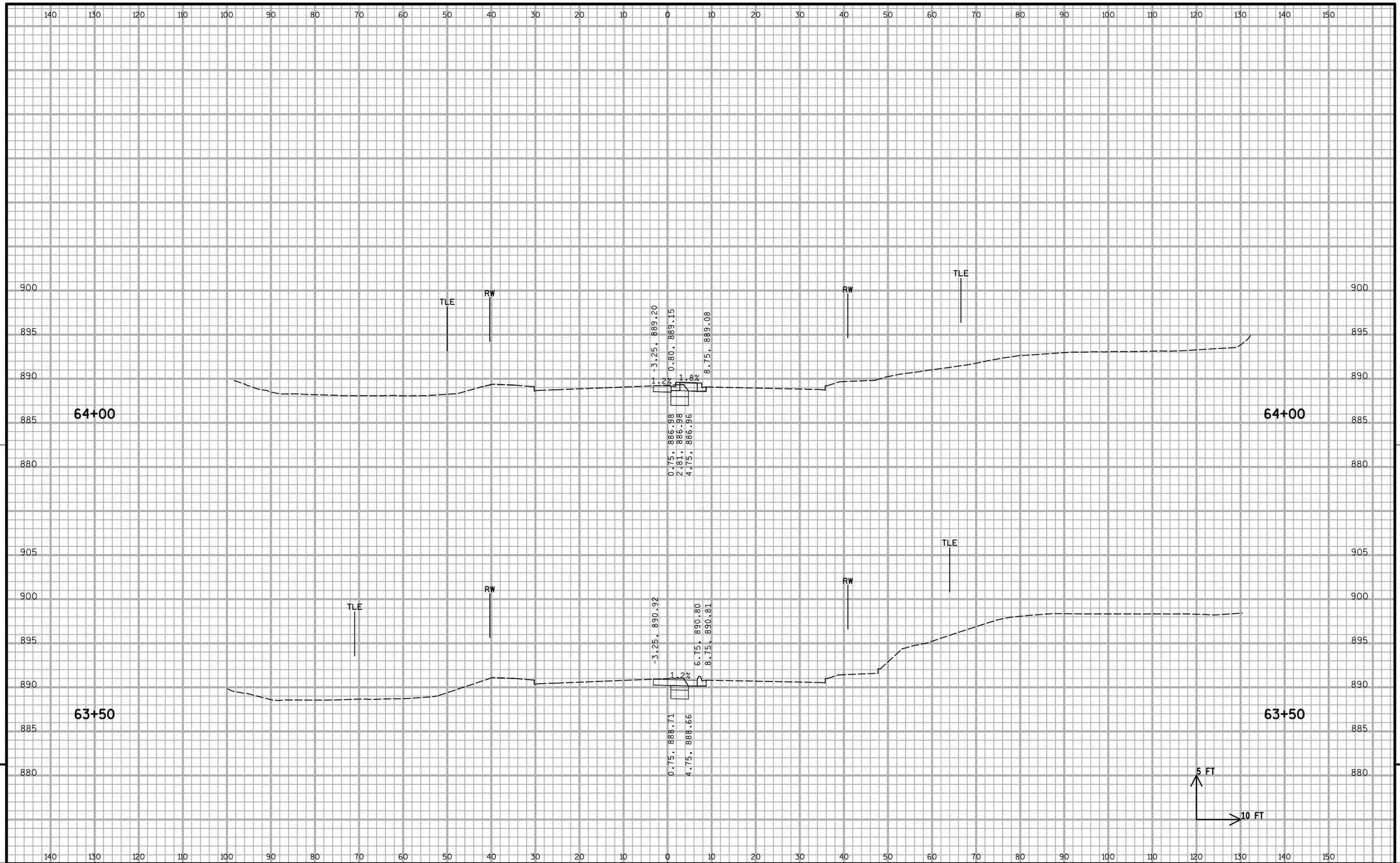
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



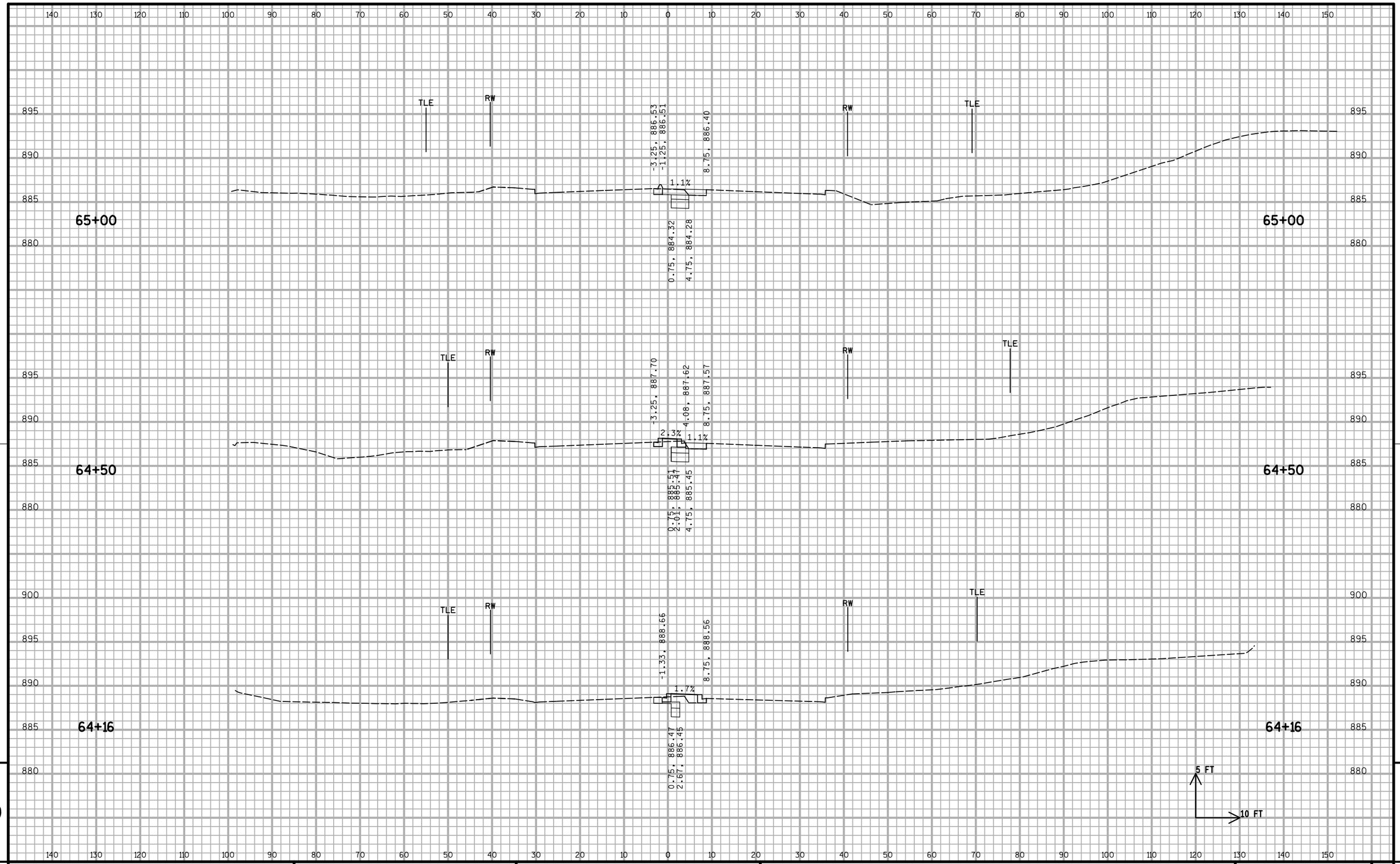
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 768	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

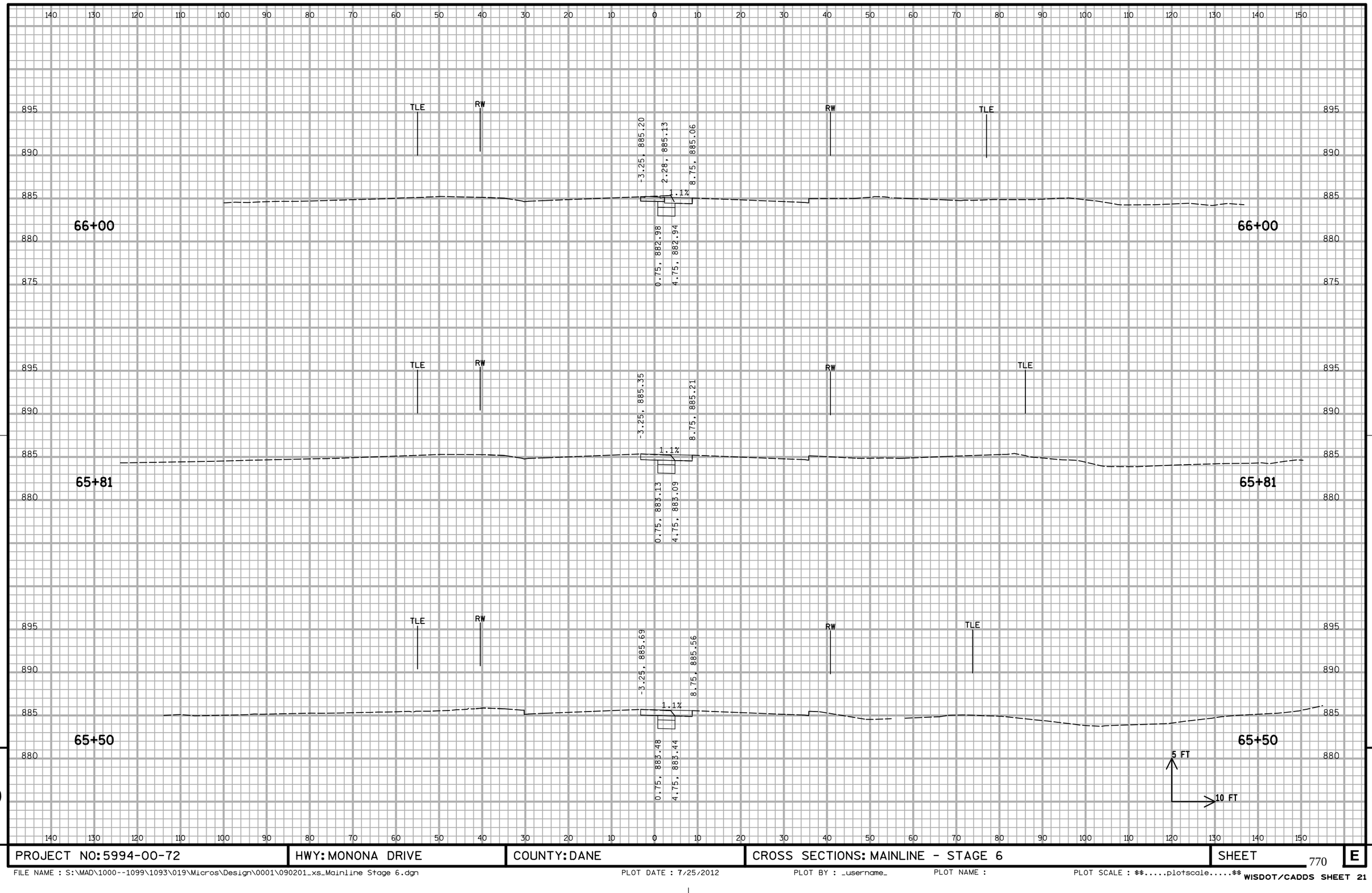
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET	E

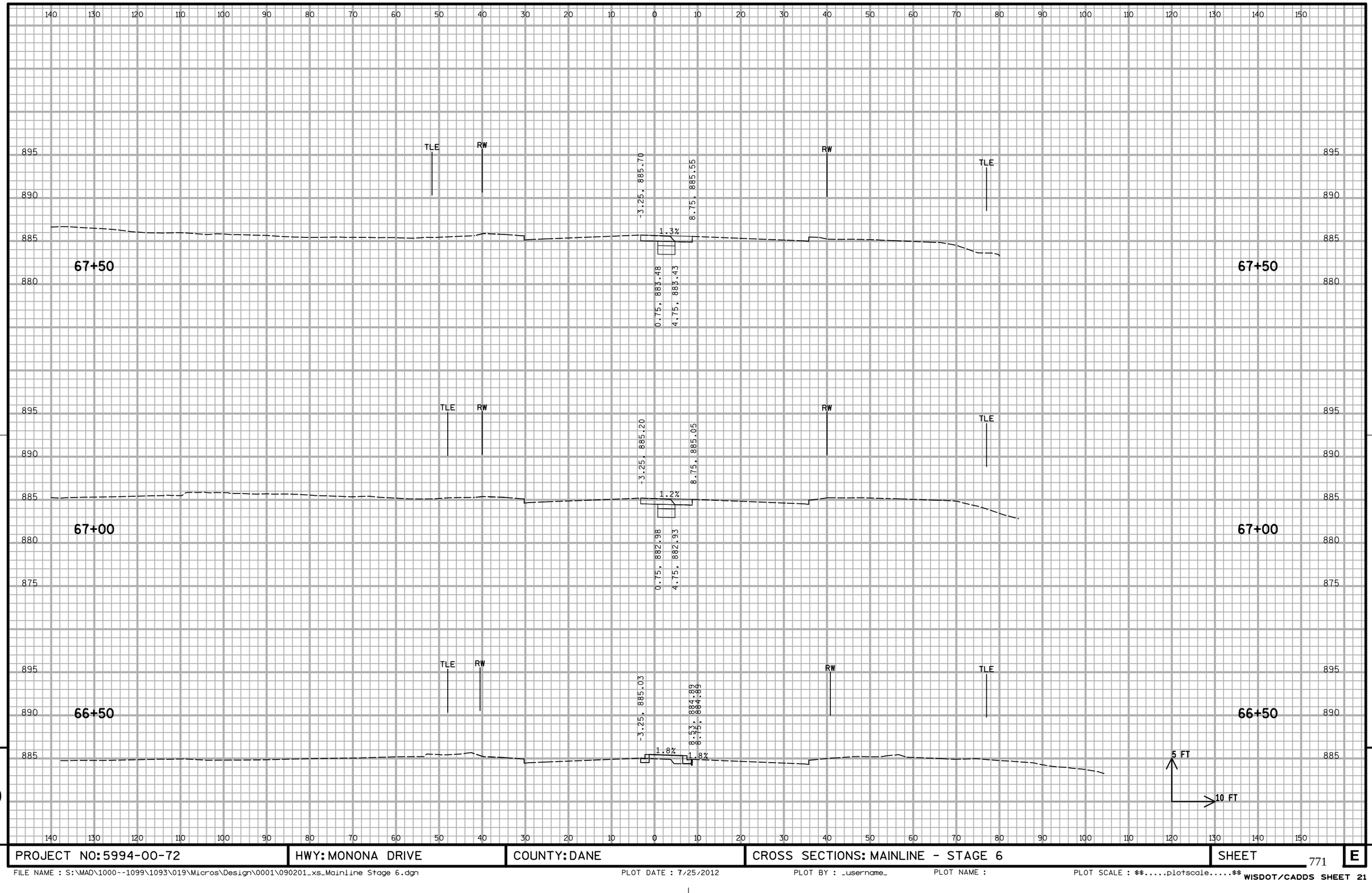
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 770	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

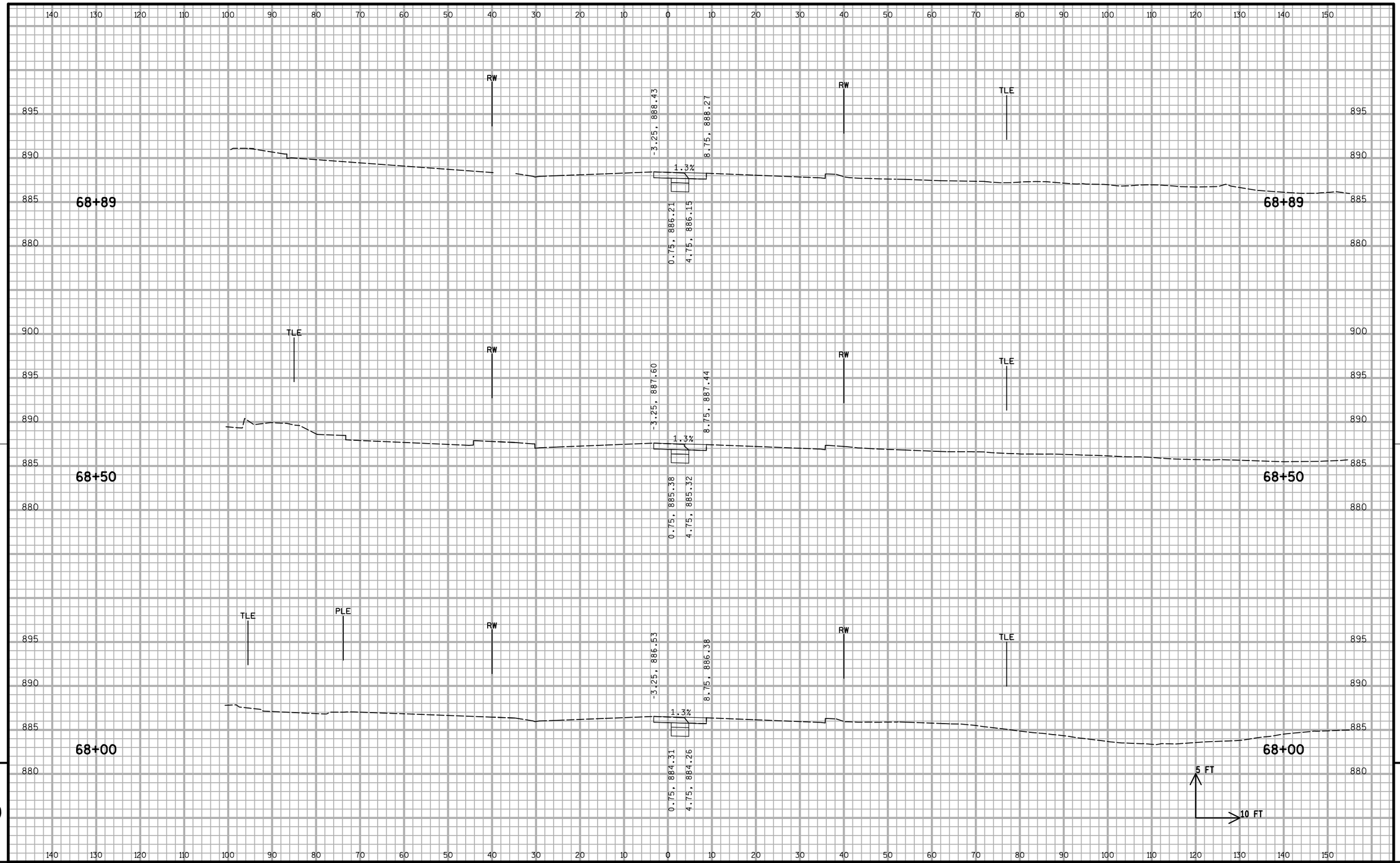


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 771	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



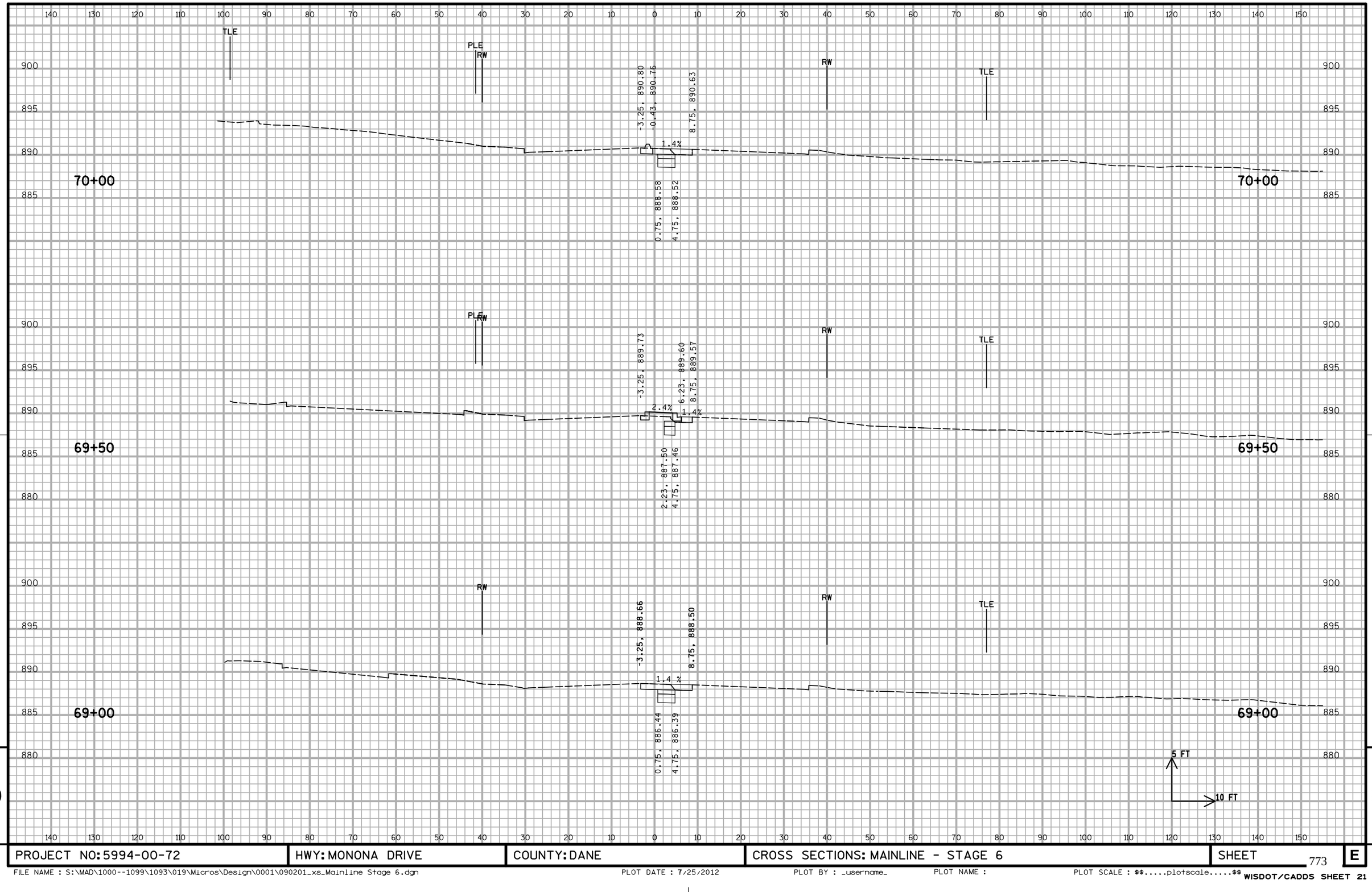
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 772	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

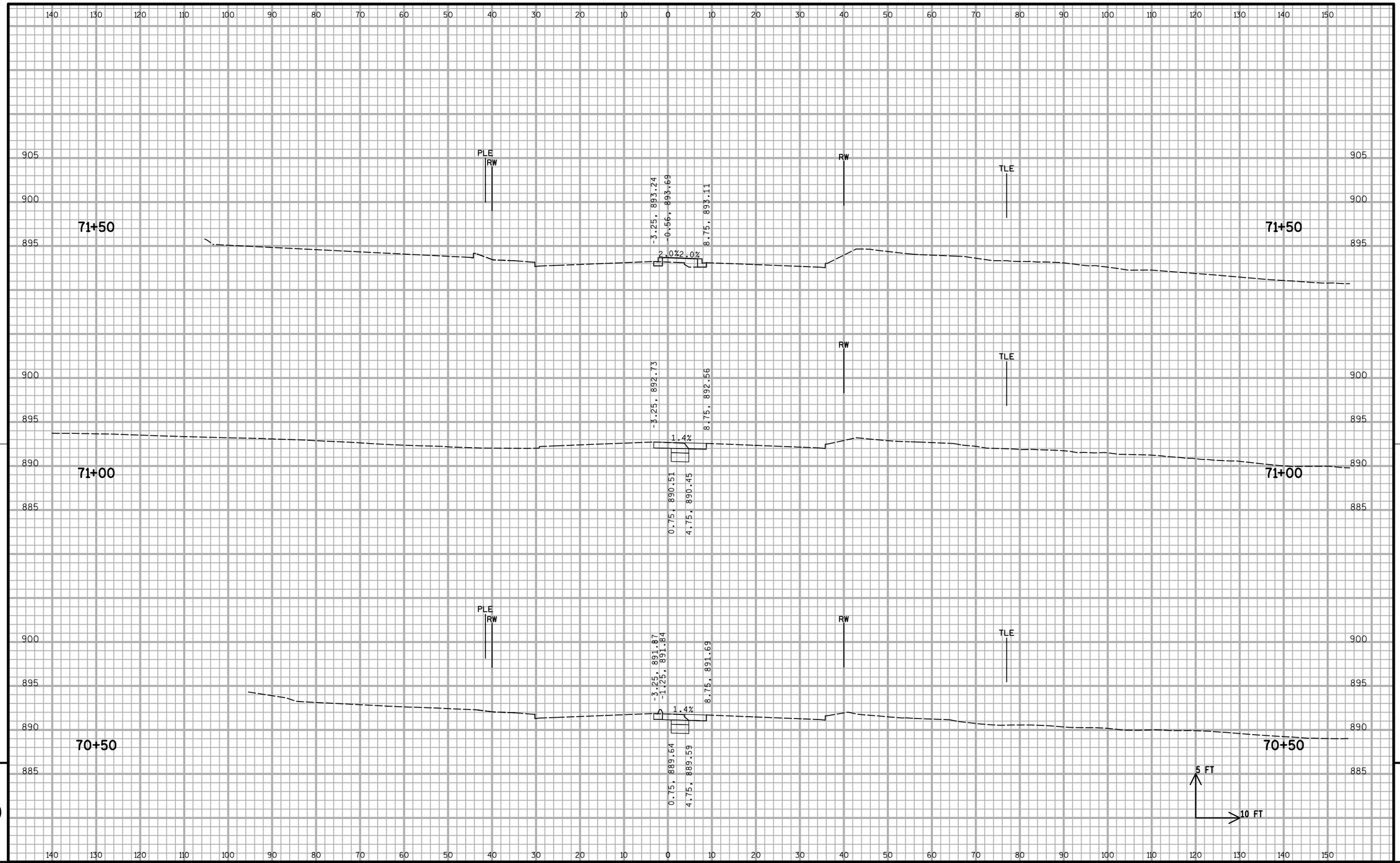


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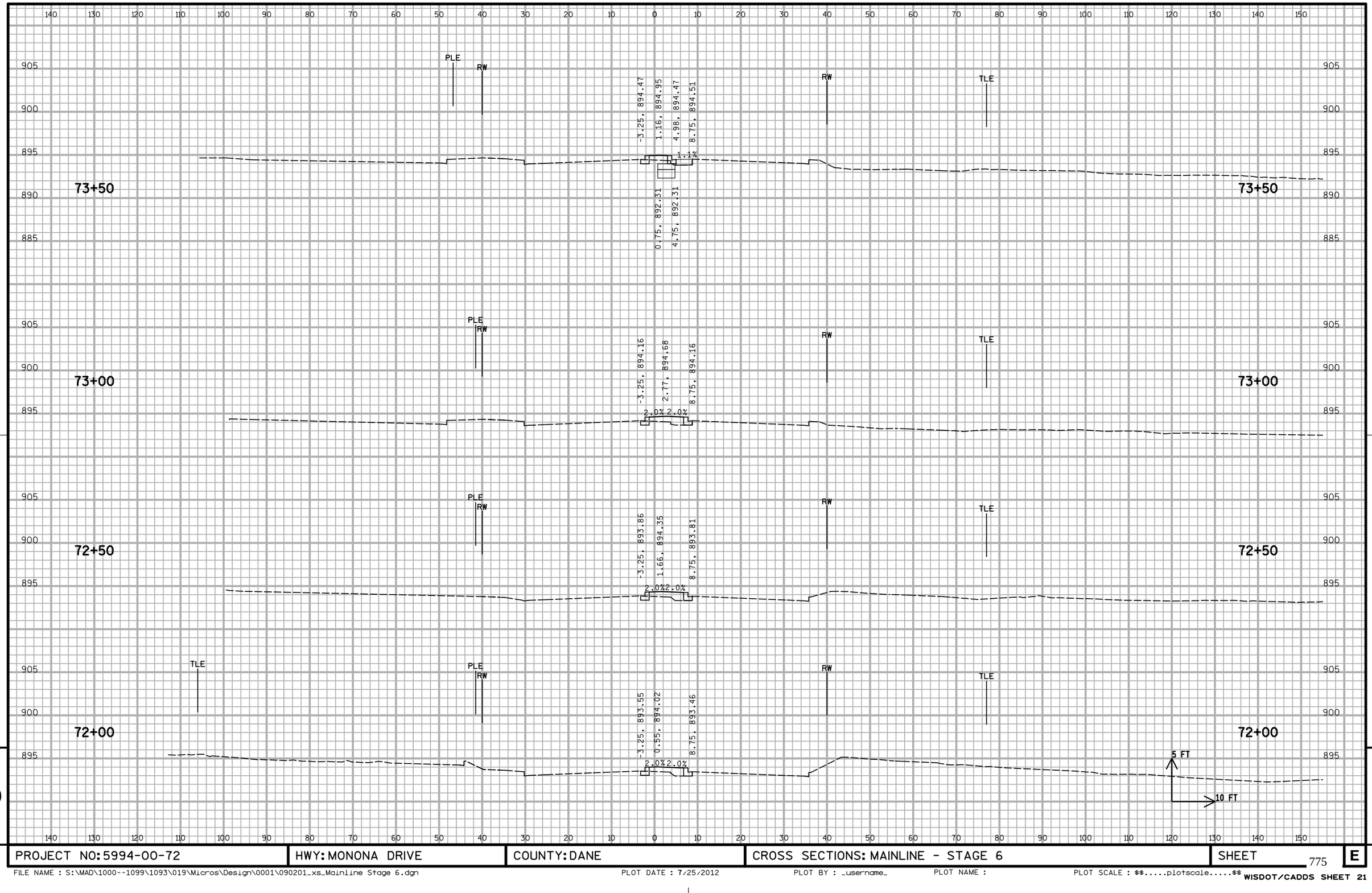
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 773	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 774	E

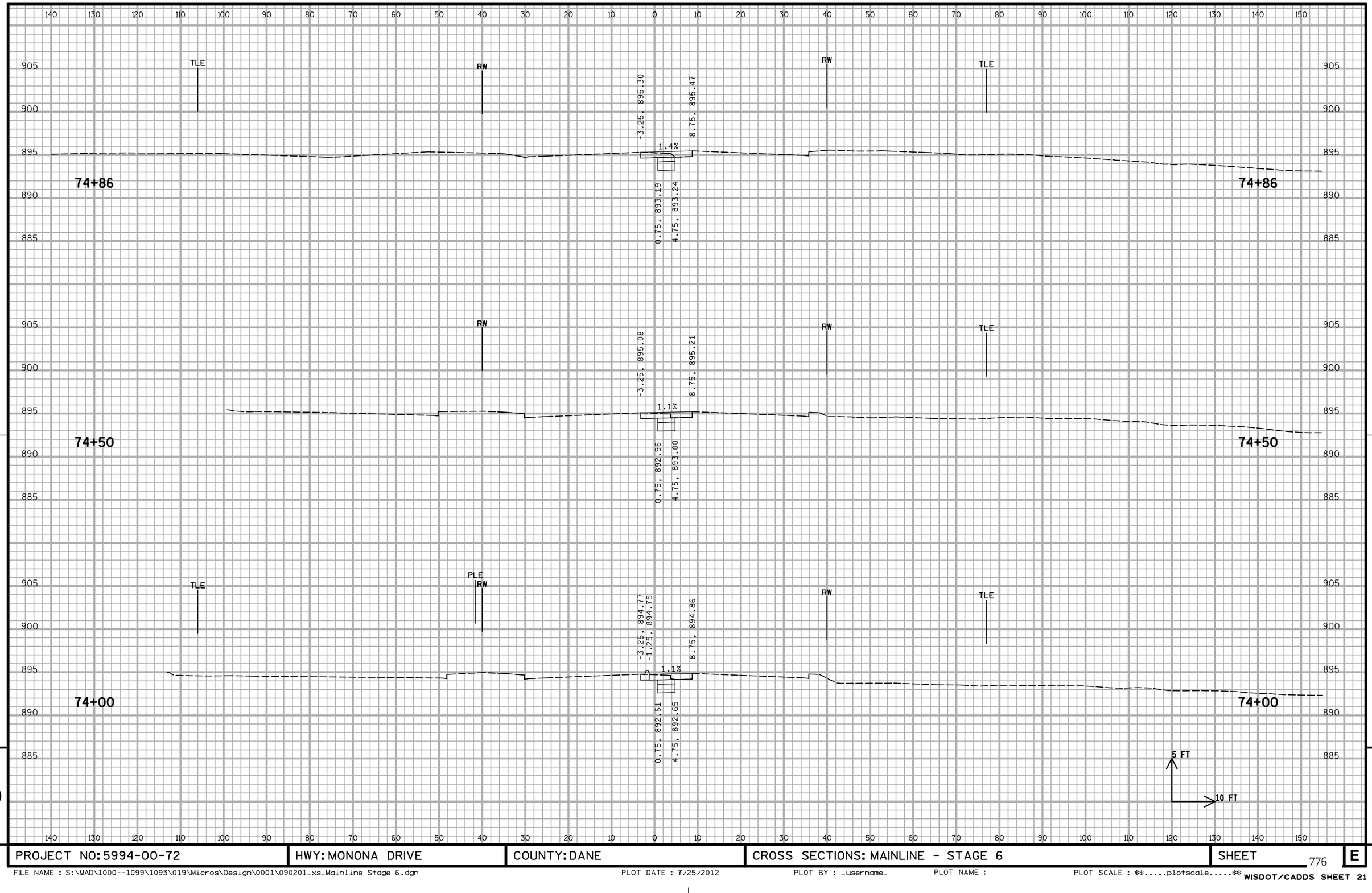
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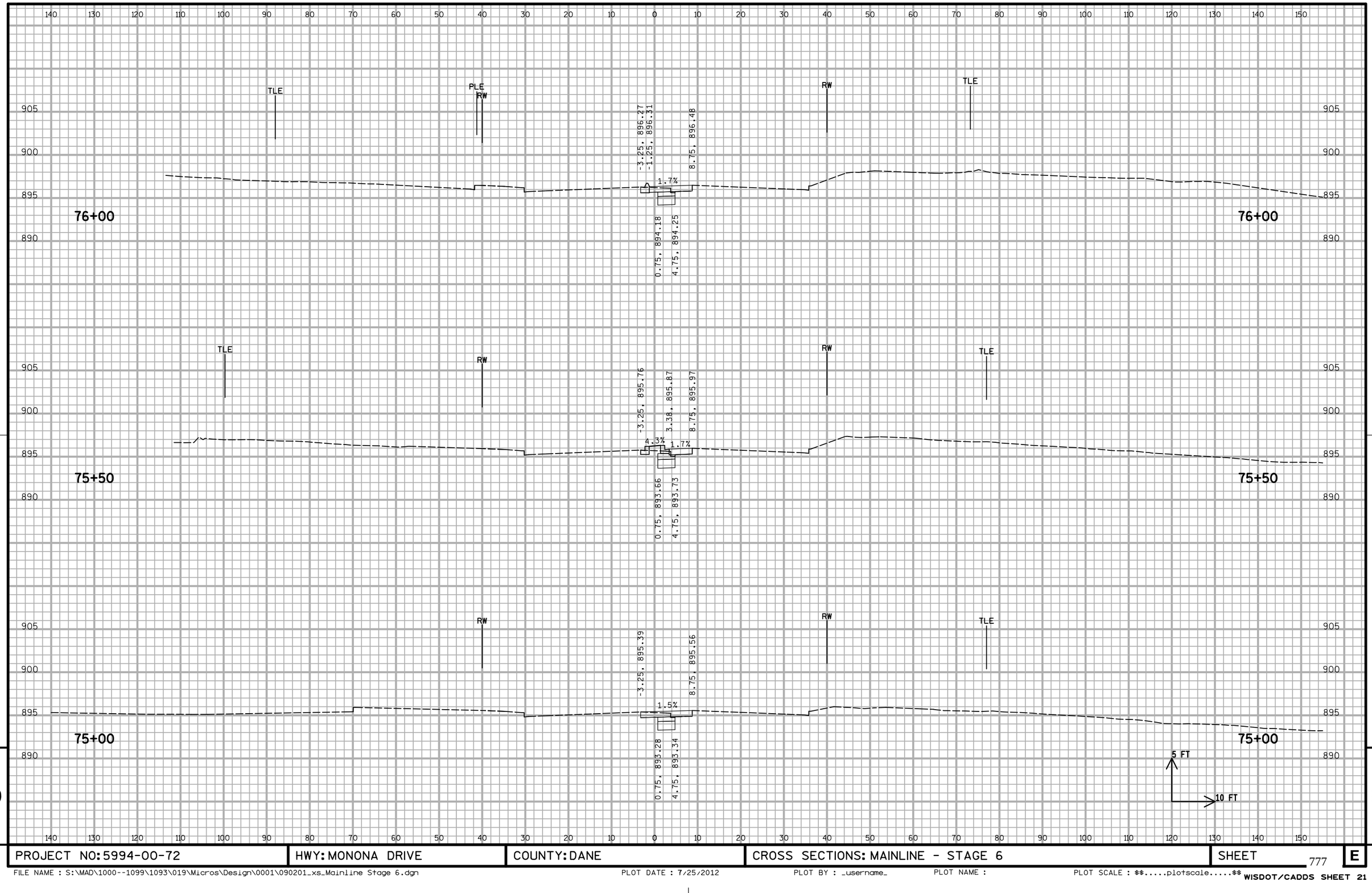
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 775	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



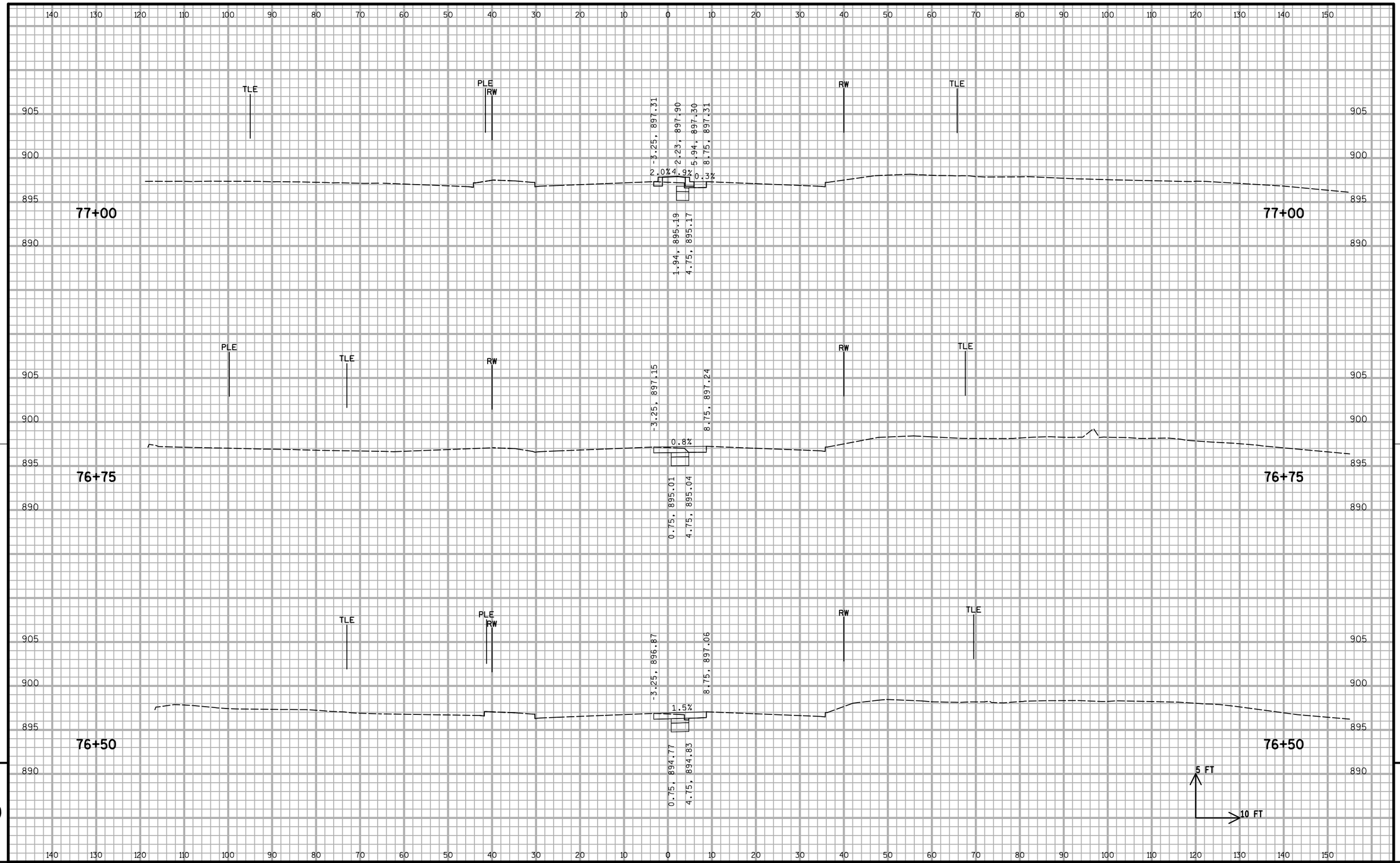
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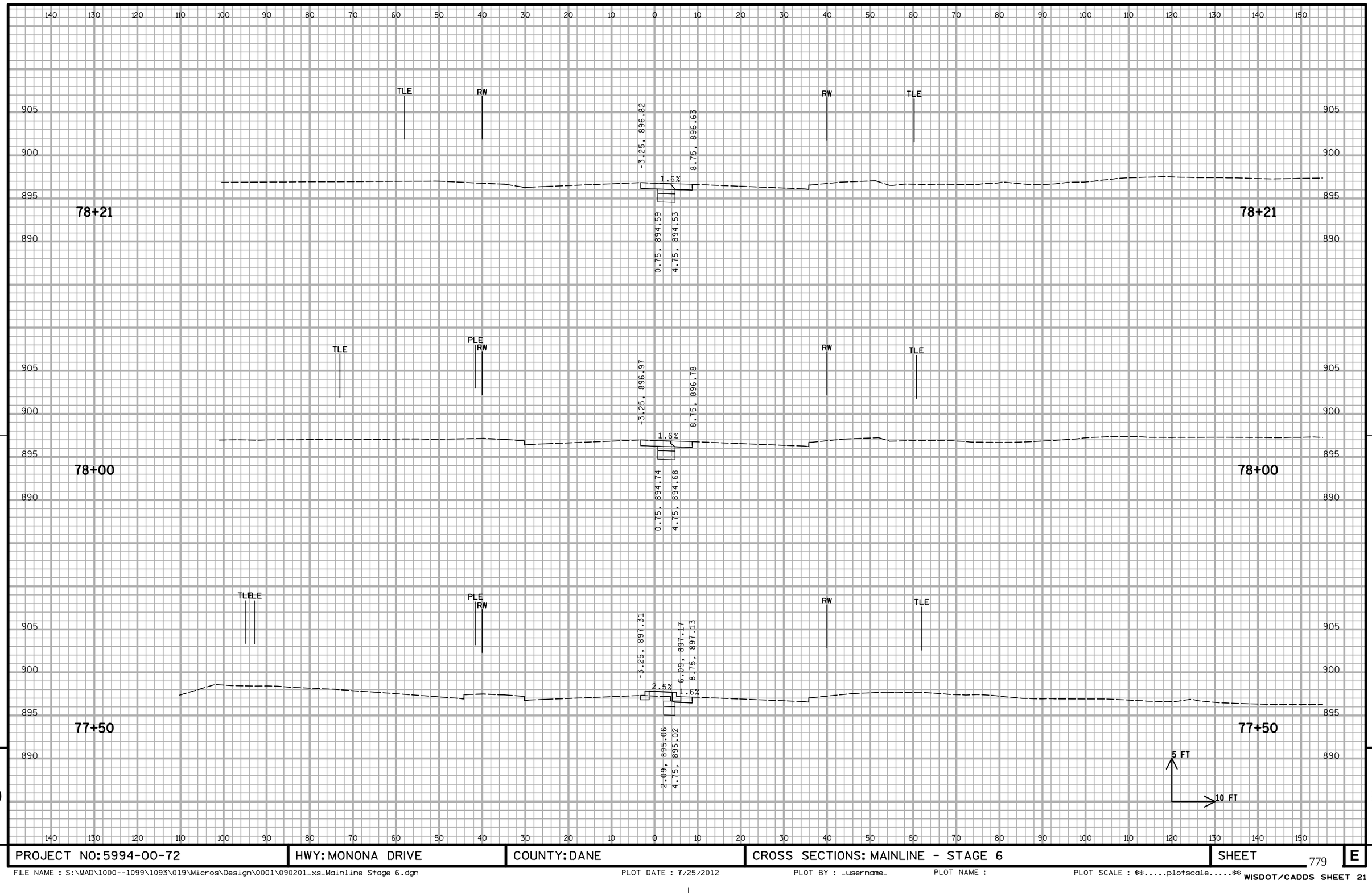
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 777	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

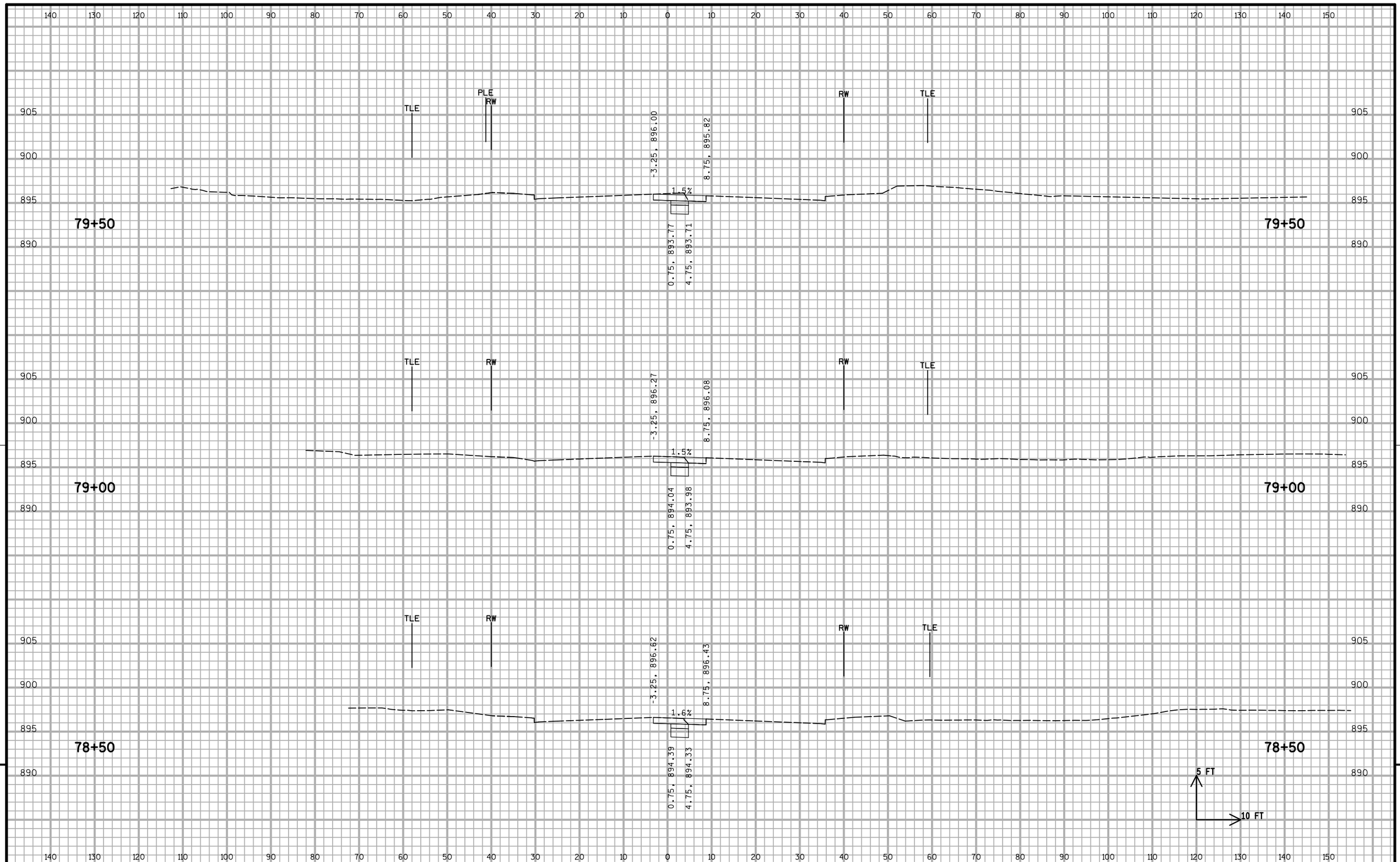
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 778	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 779	E



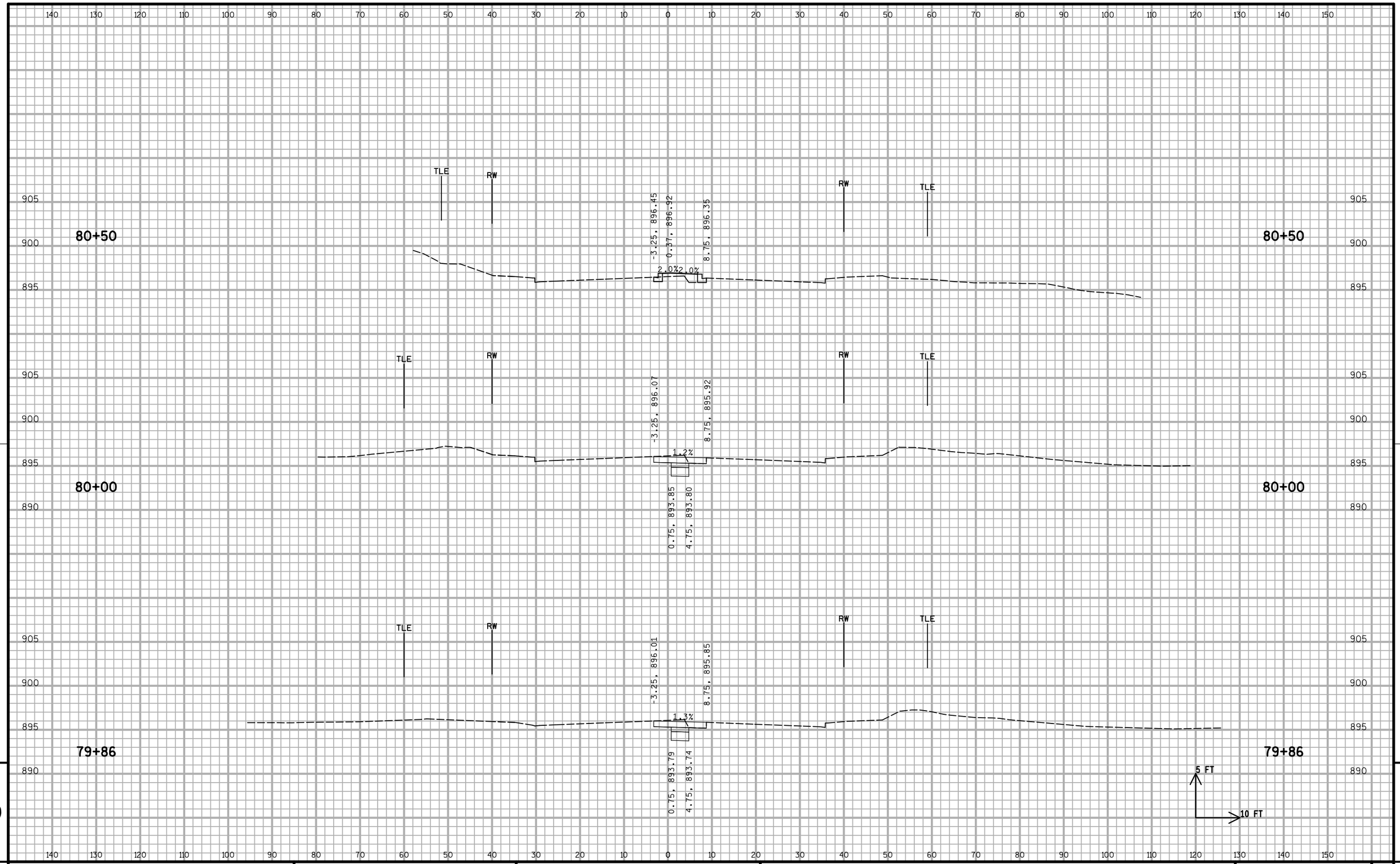
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 780	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



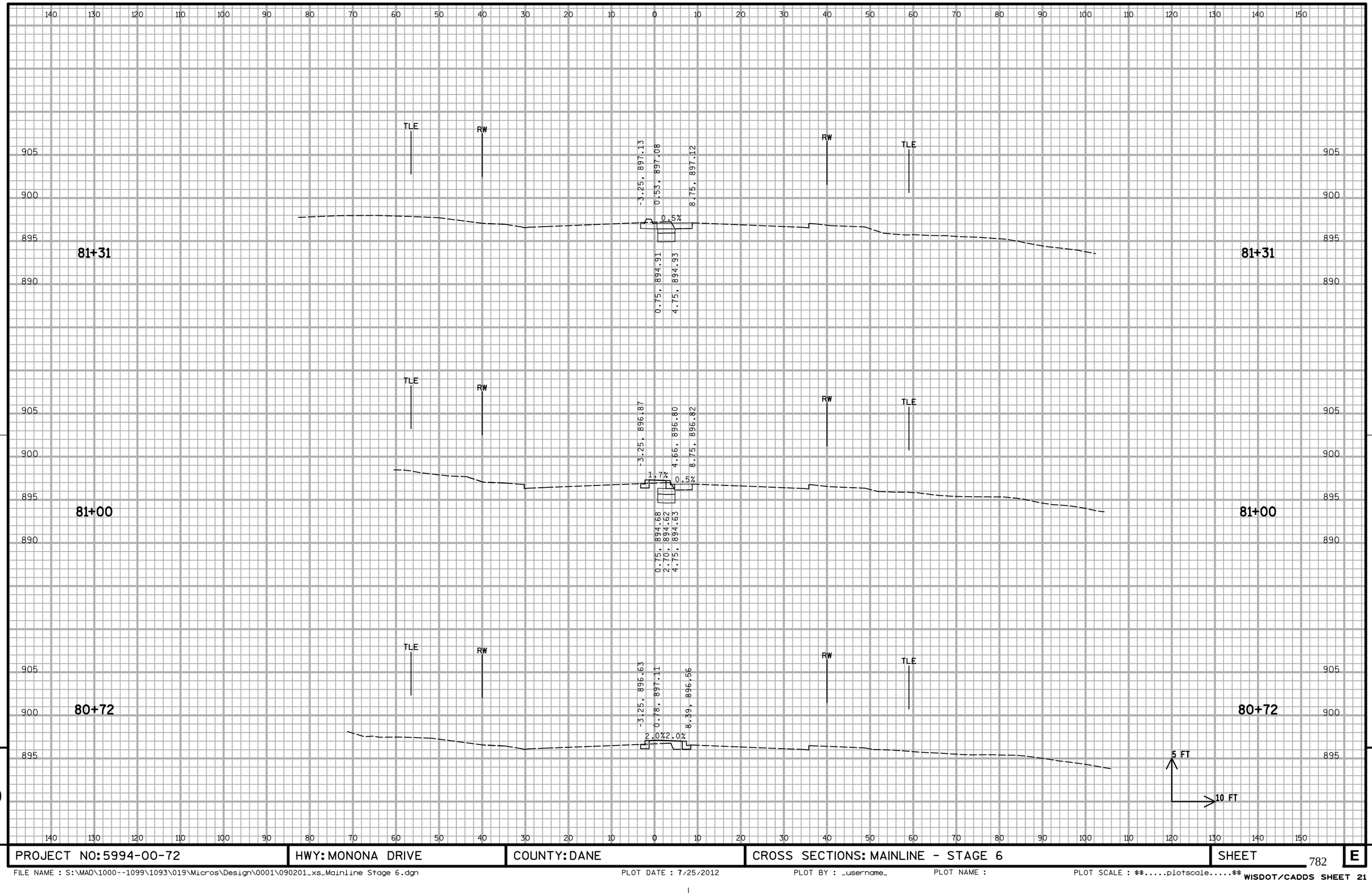
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 781	E

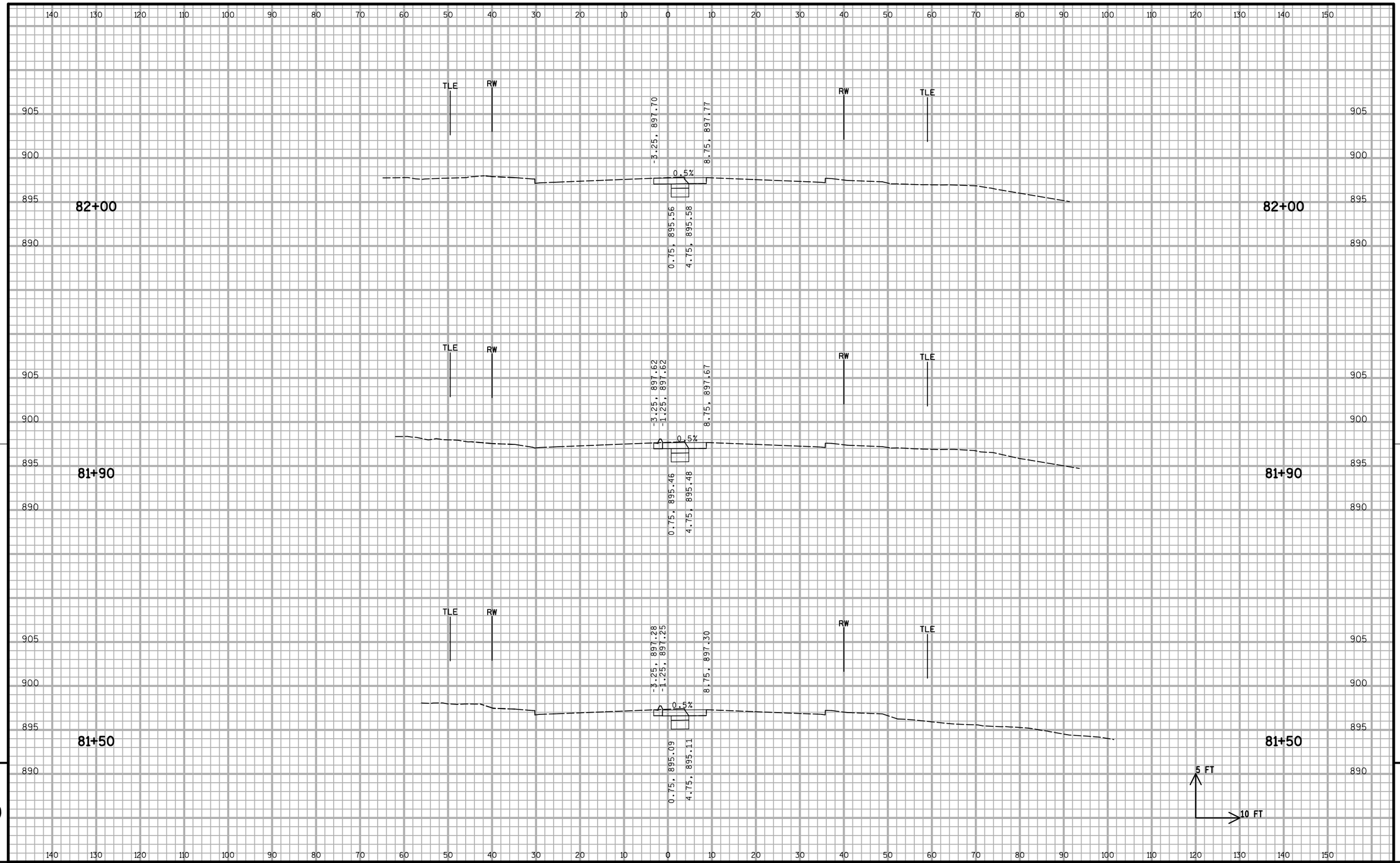
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

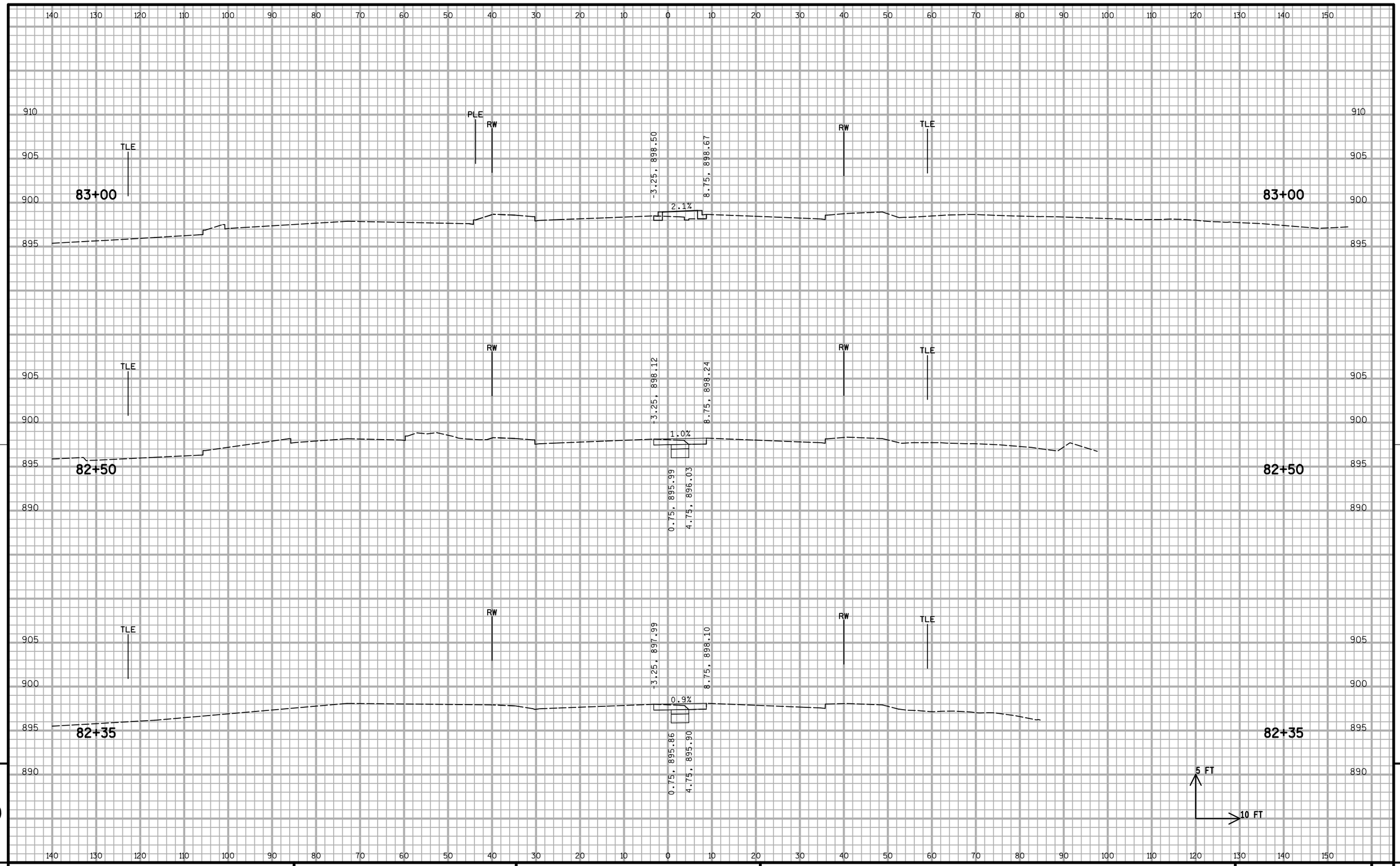


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 783	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



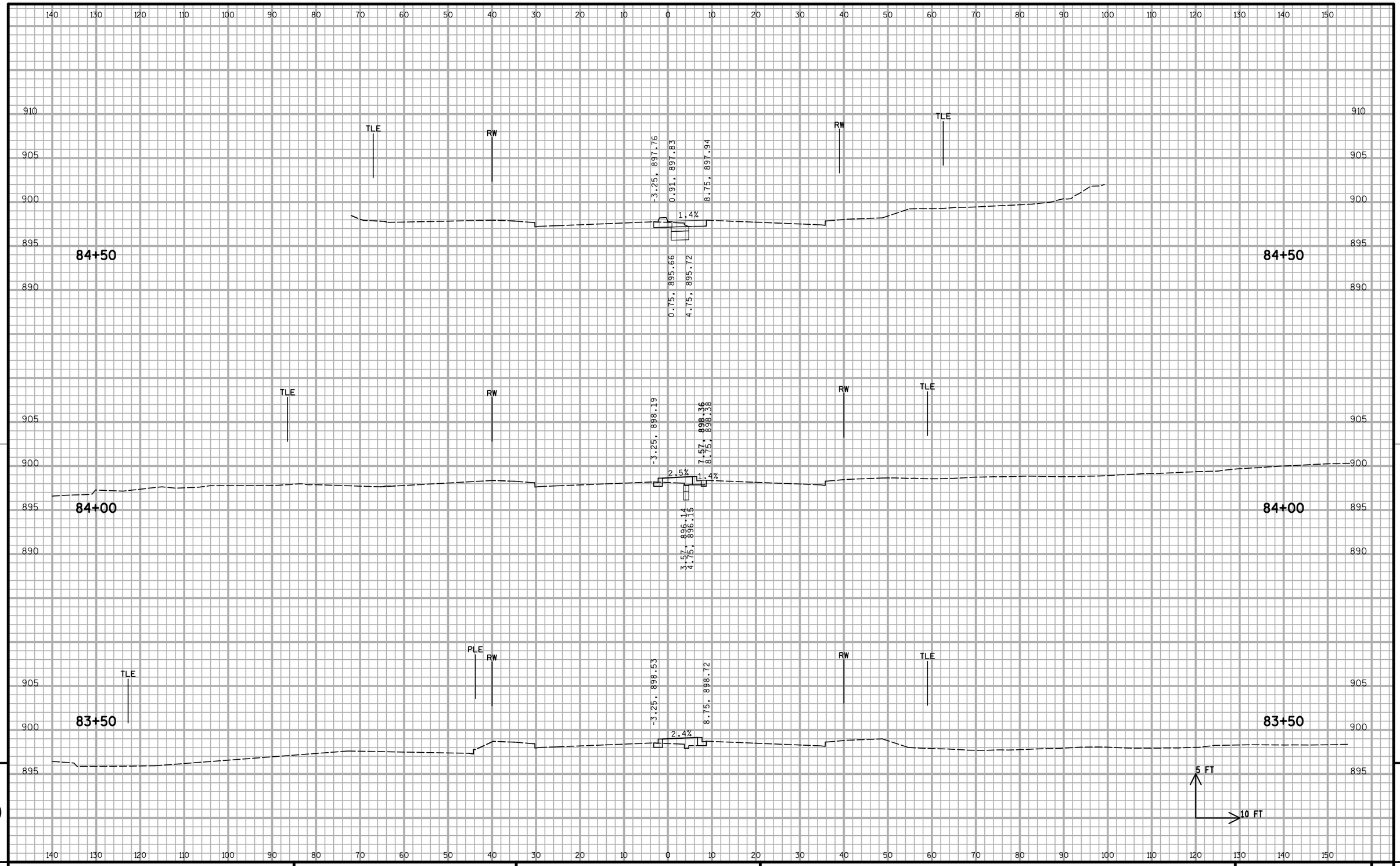
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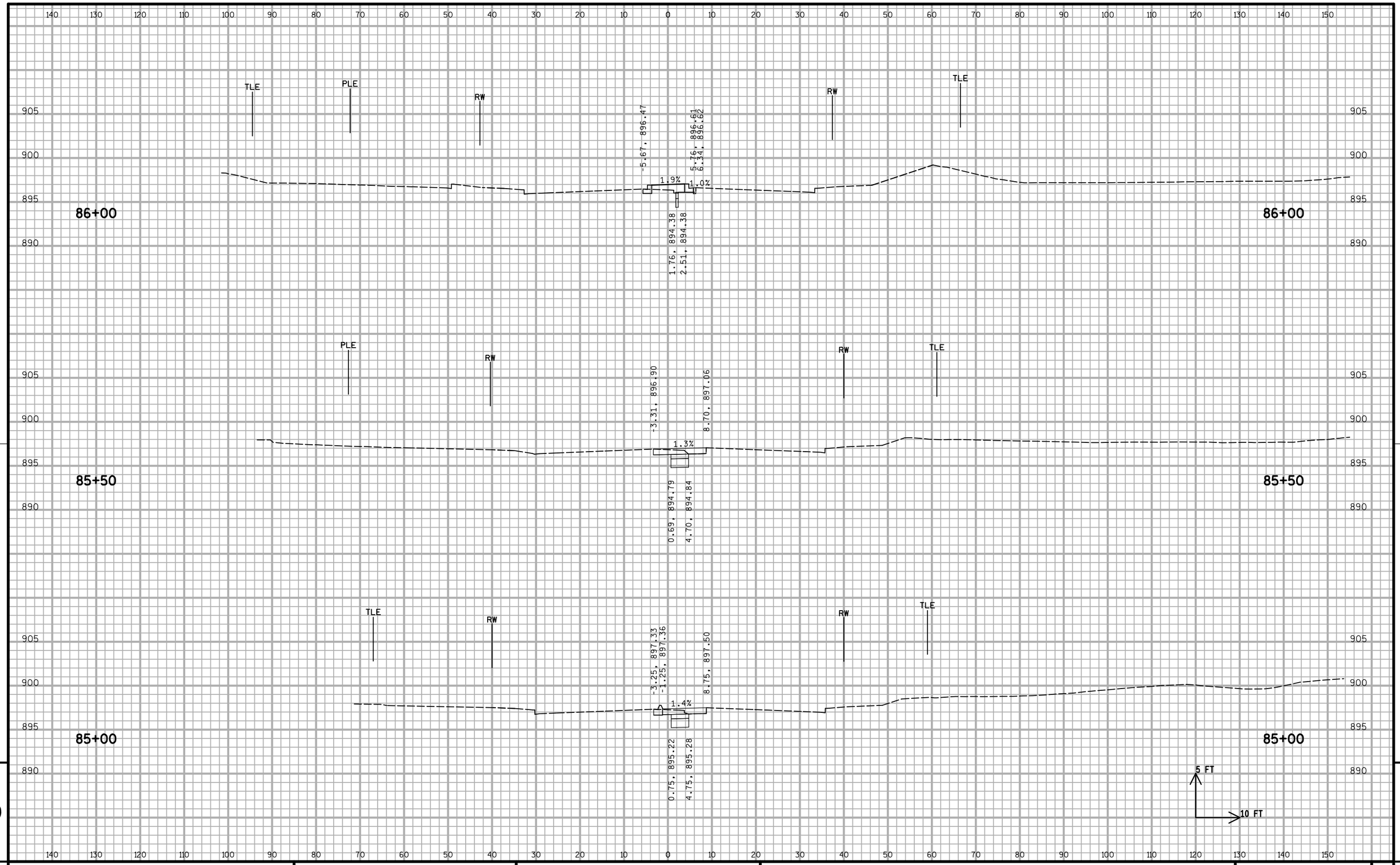
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 784	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

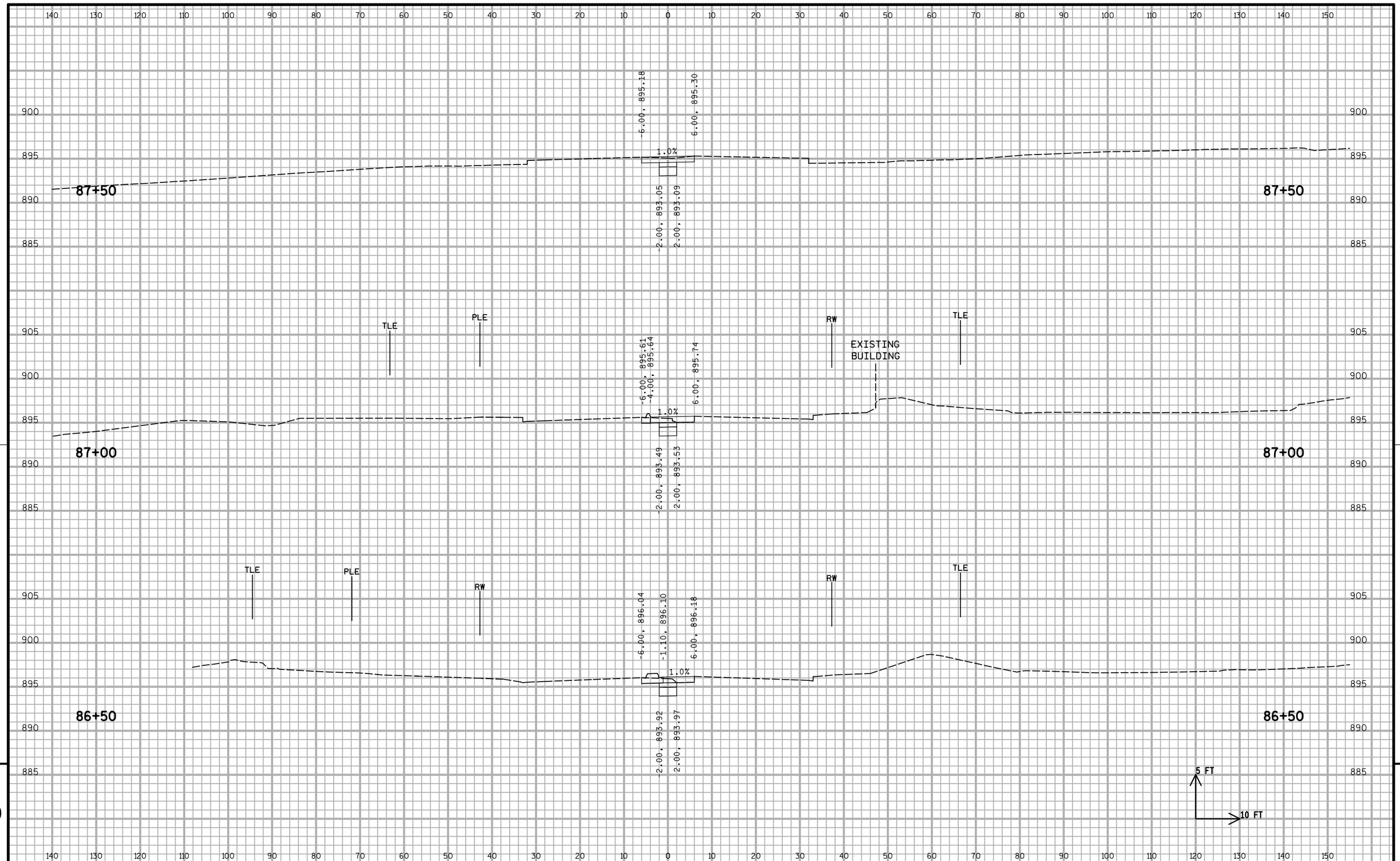


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 785	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 786	E

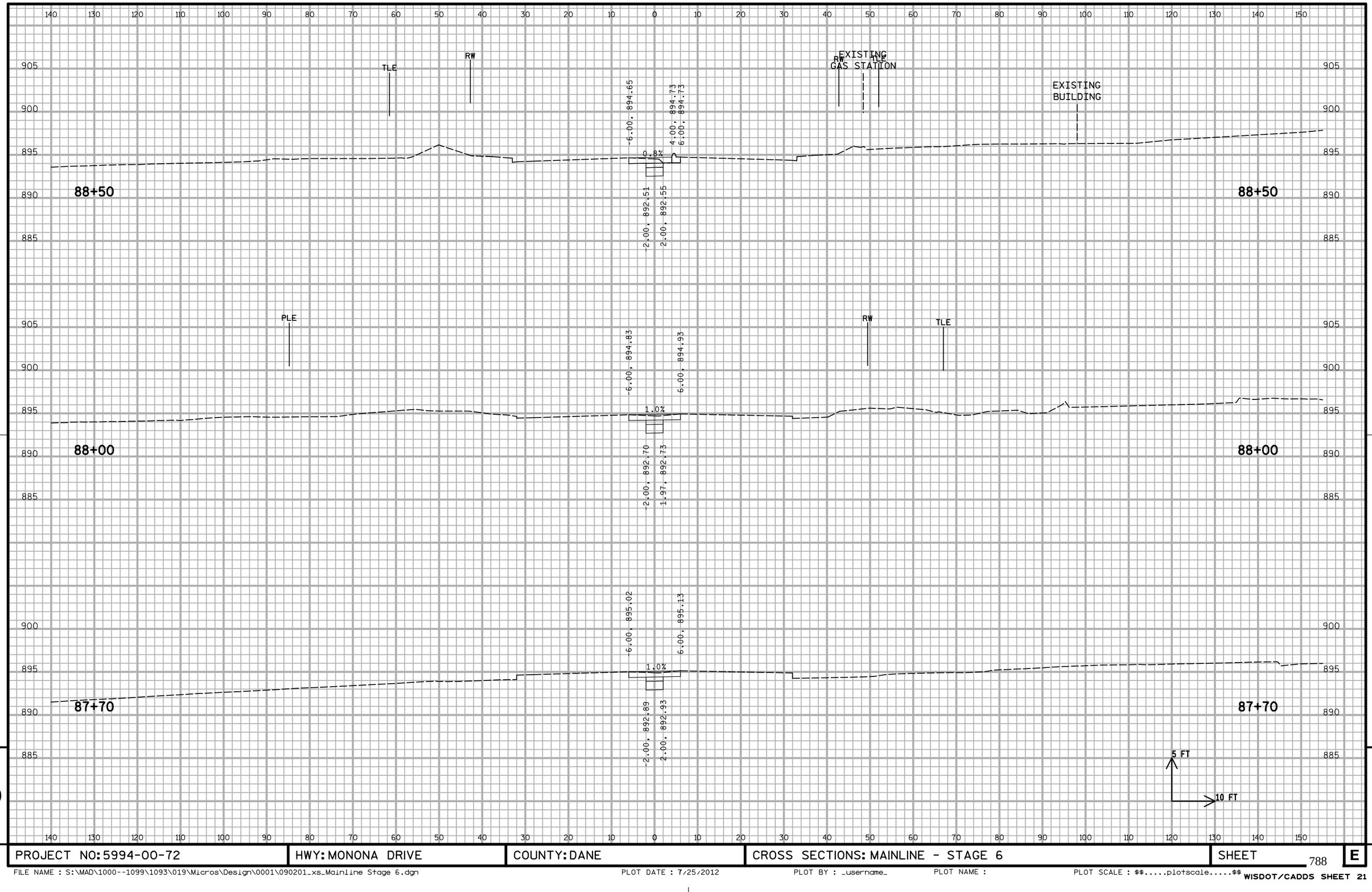
FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 787	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



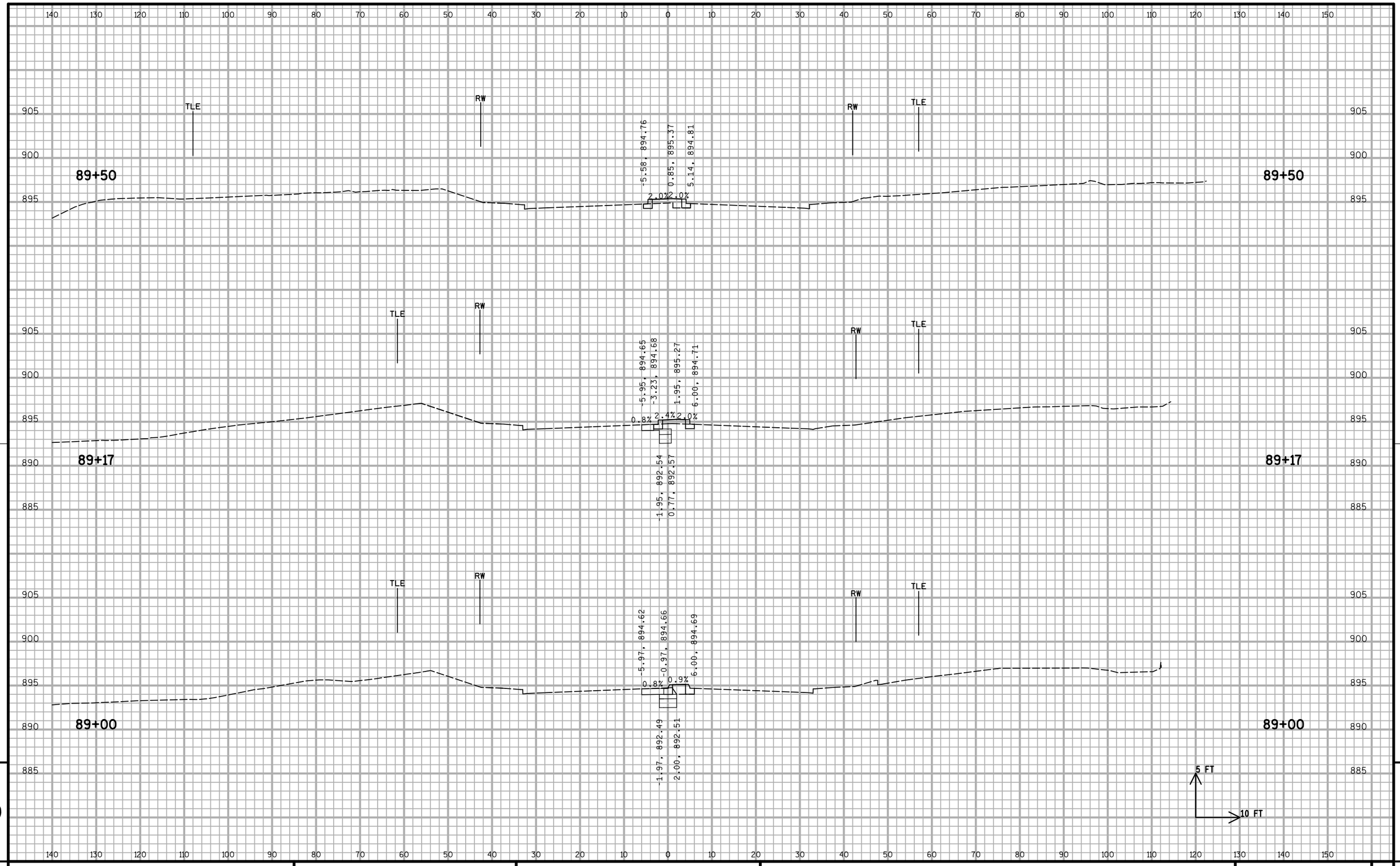
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 788	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

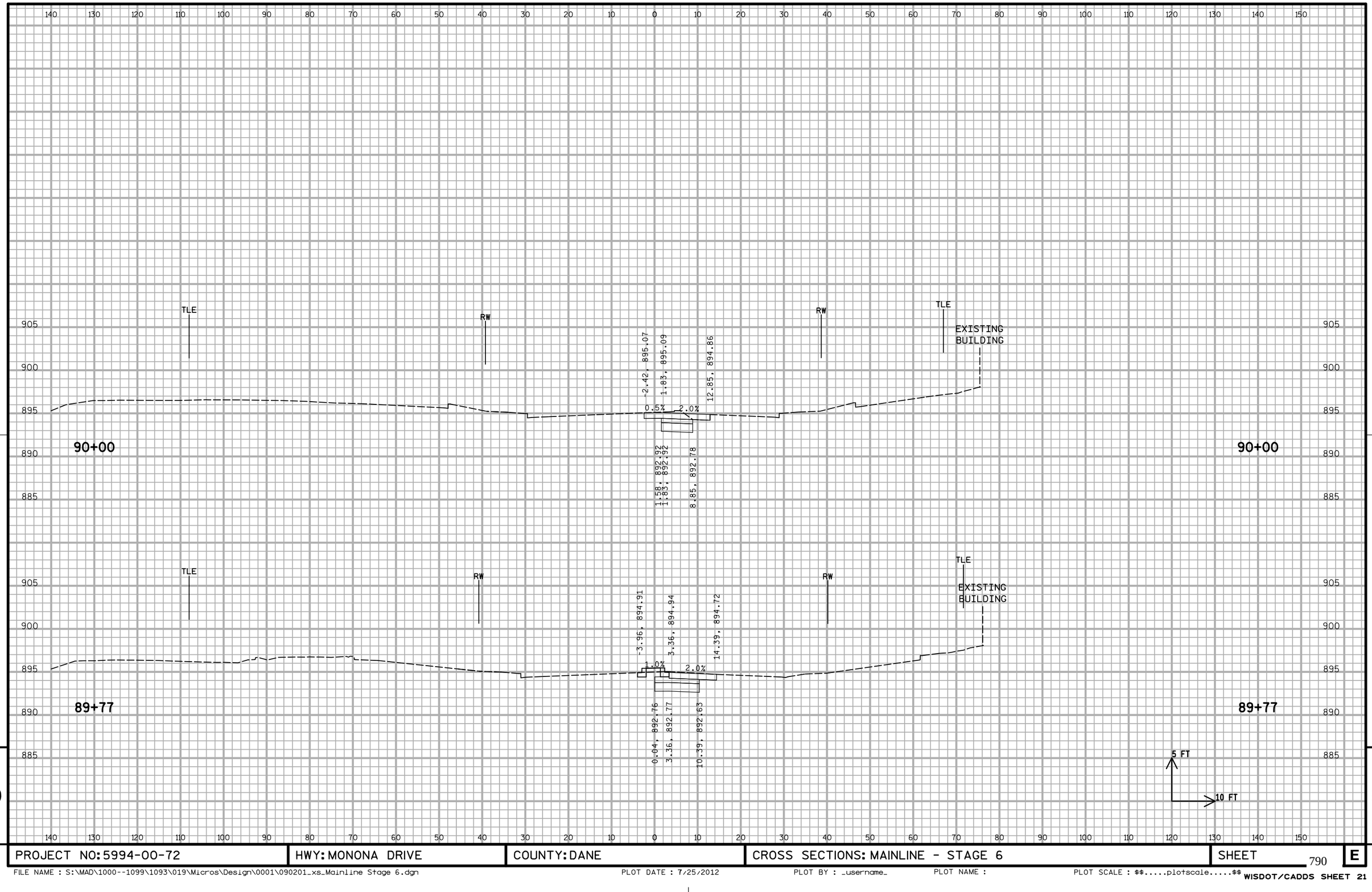


9

9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 789	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

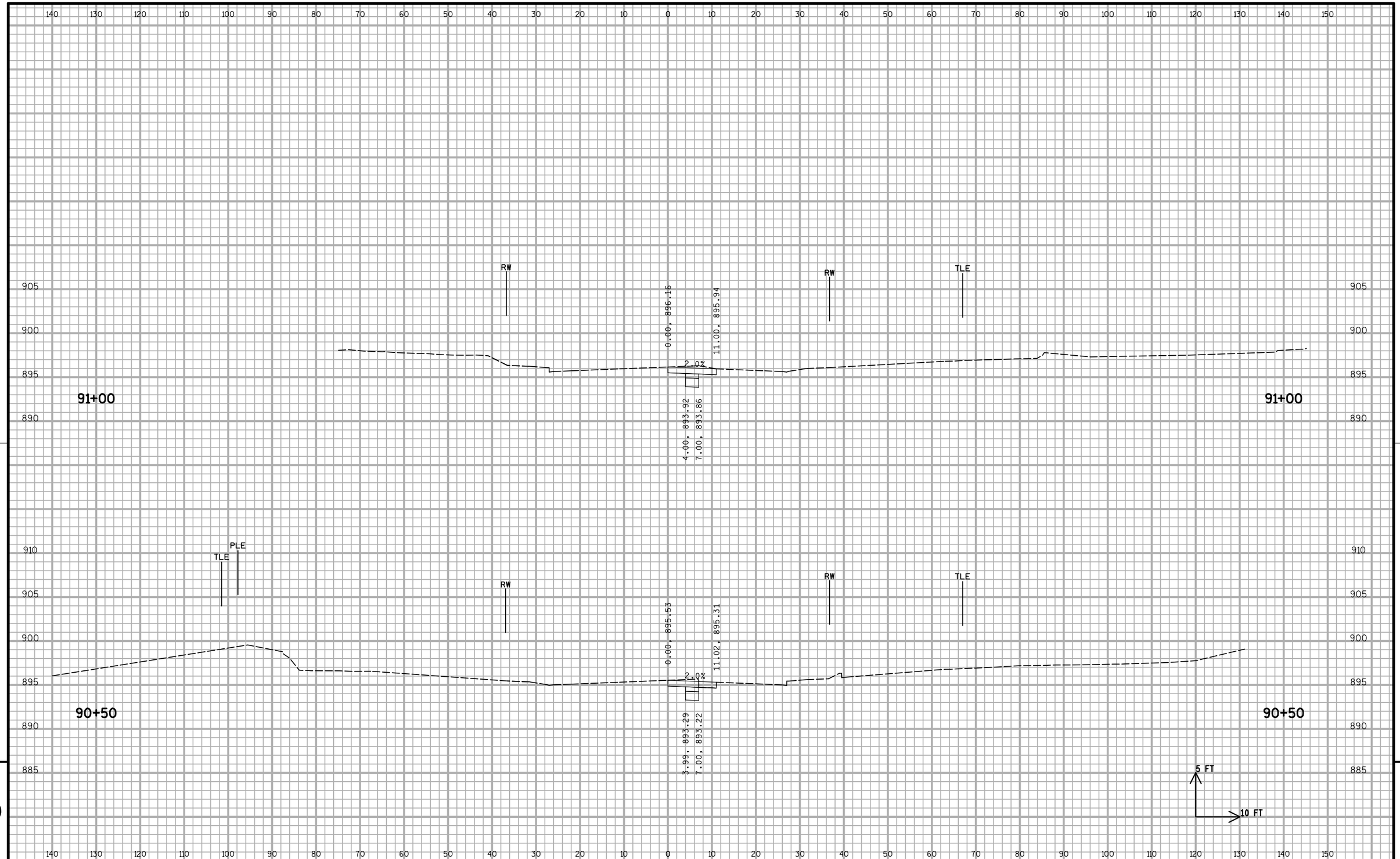


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9

PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 790	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



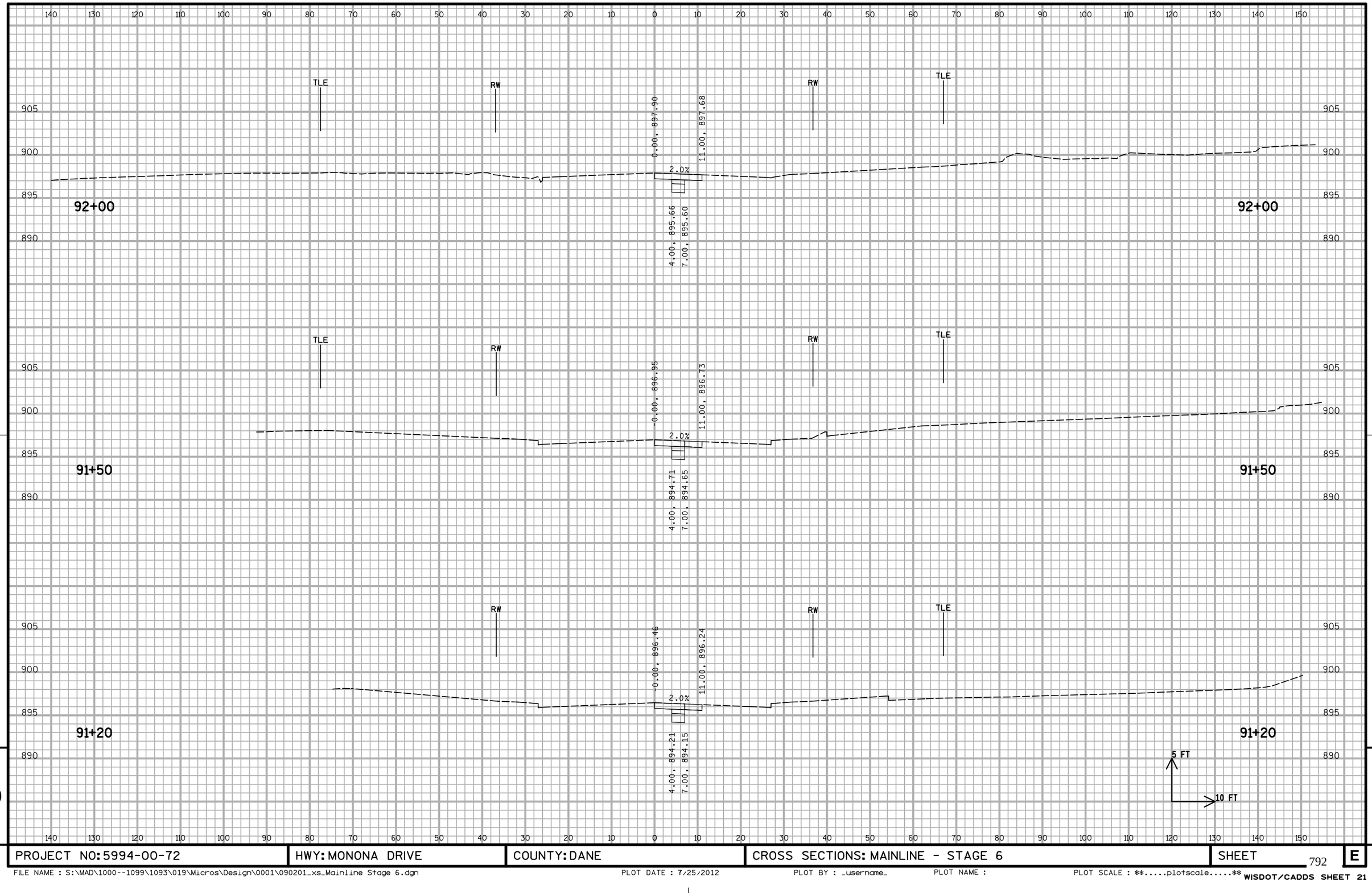
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 791	E

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WISDOT/CADDS SHEET 21

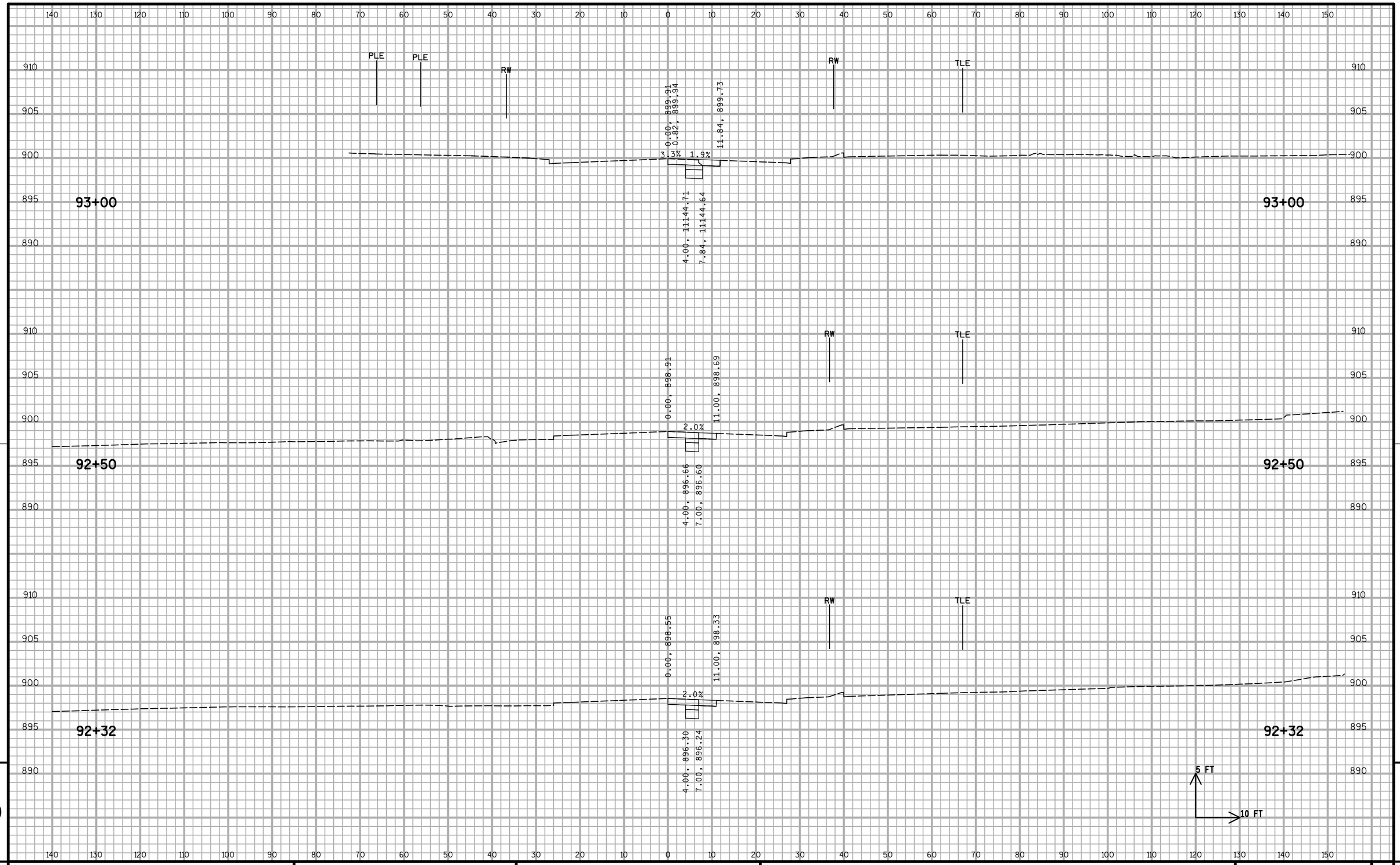


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



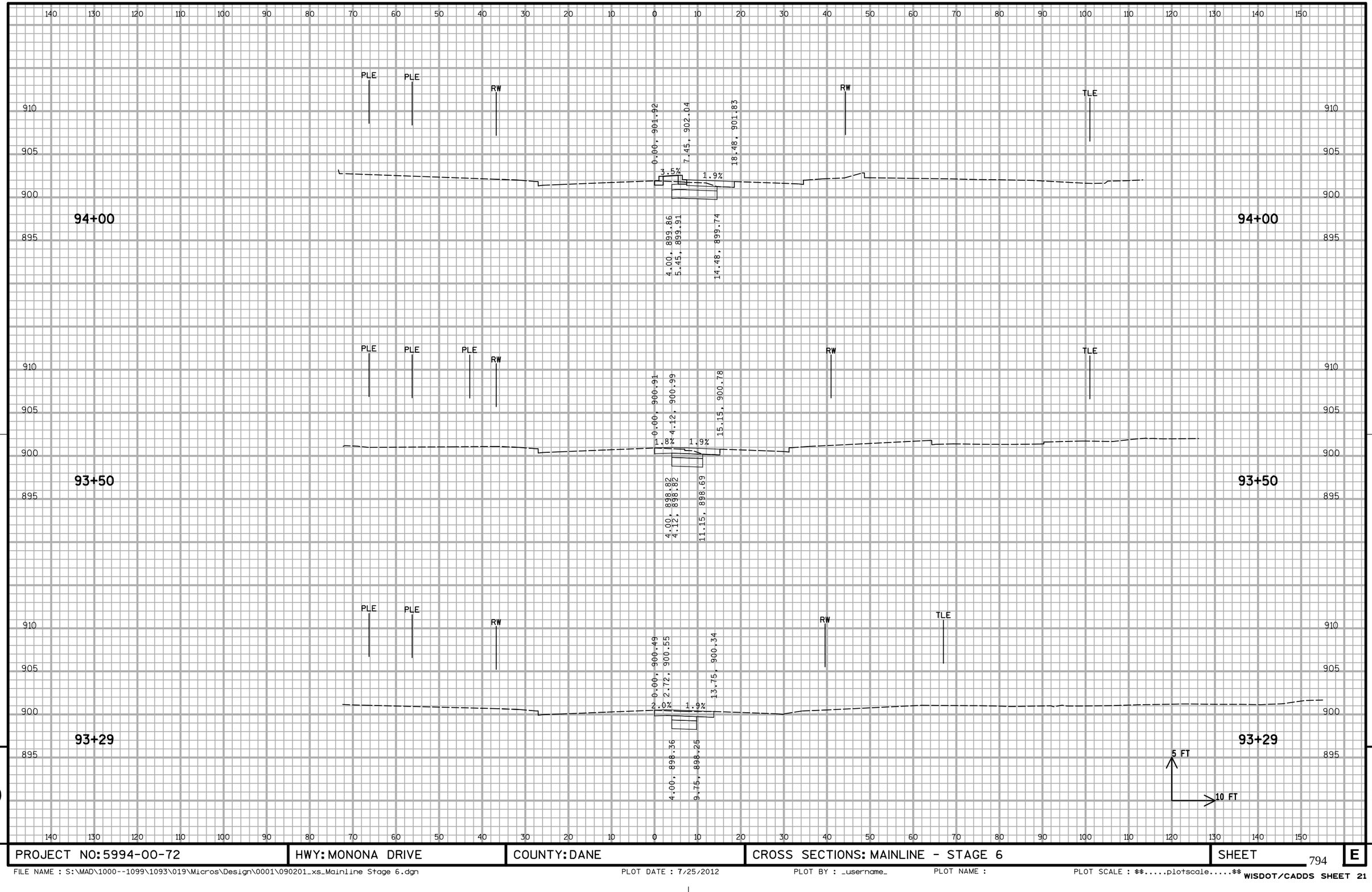
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

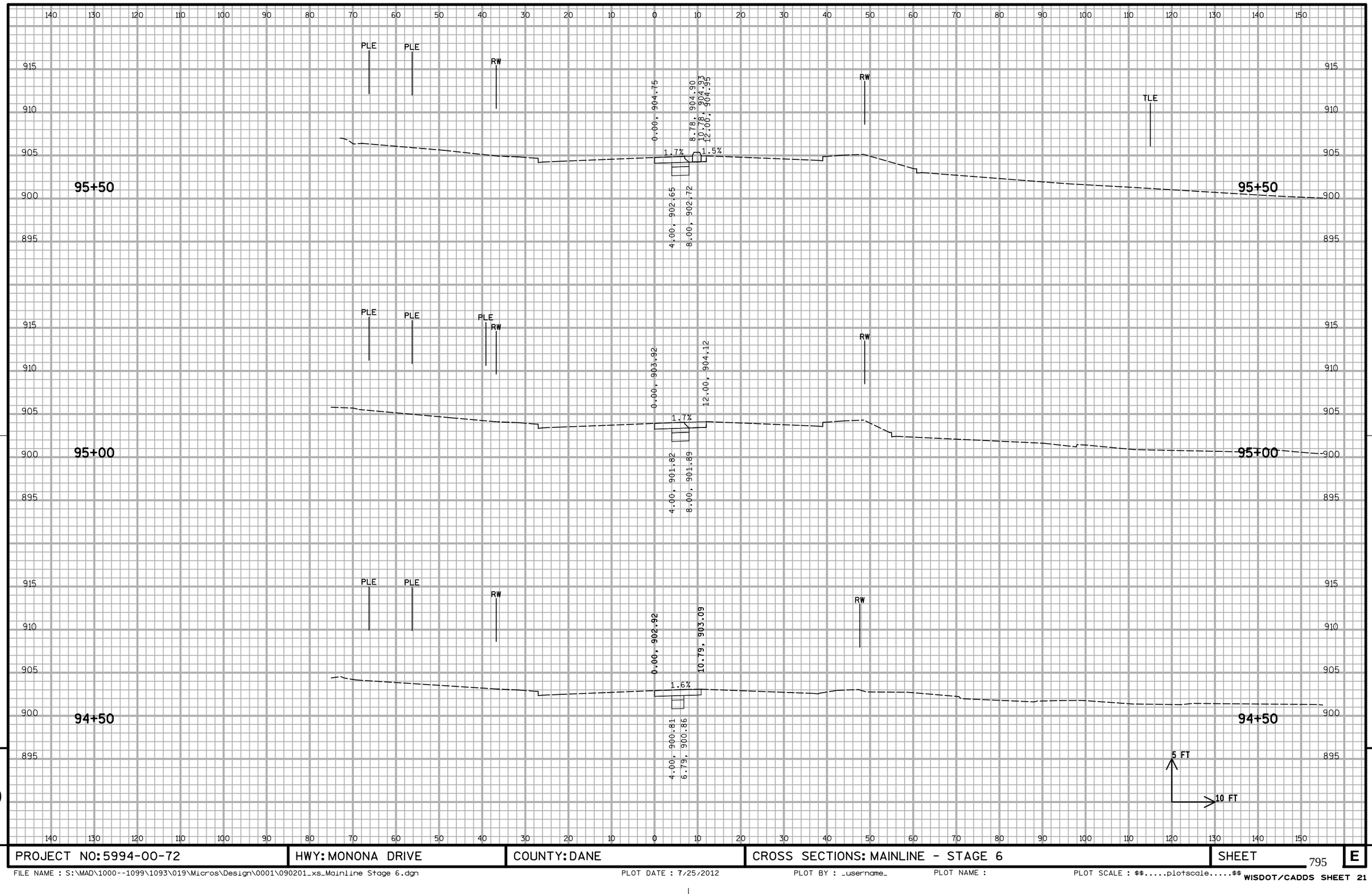


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 794	E

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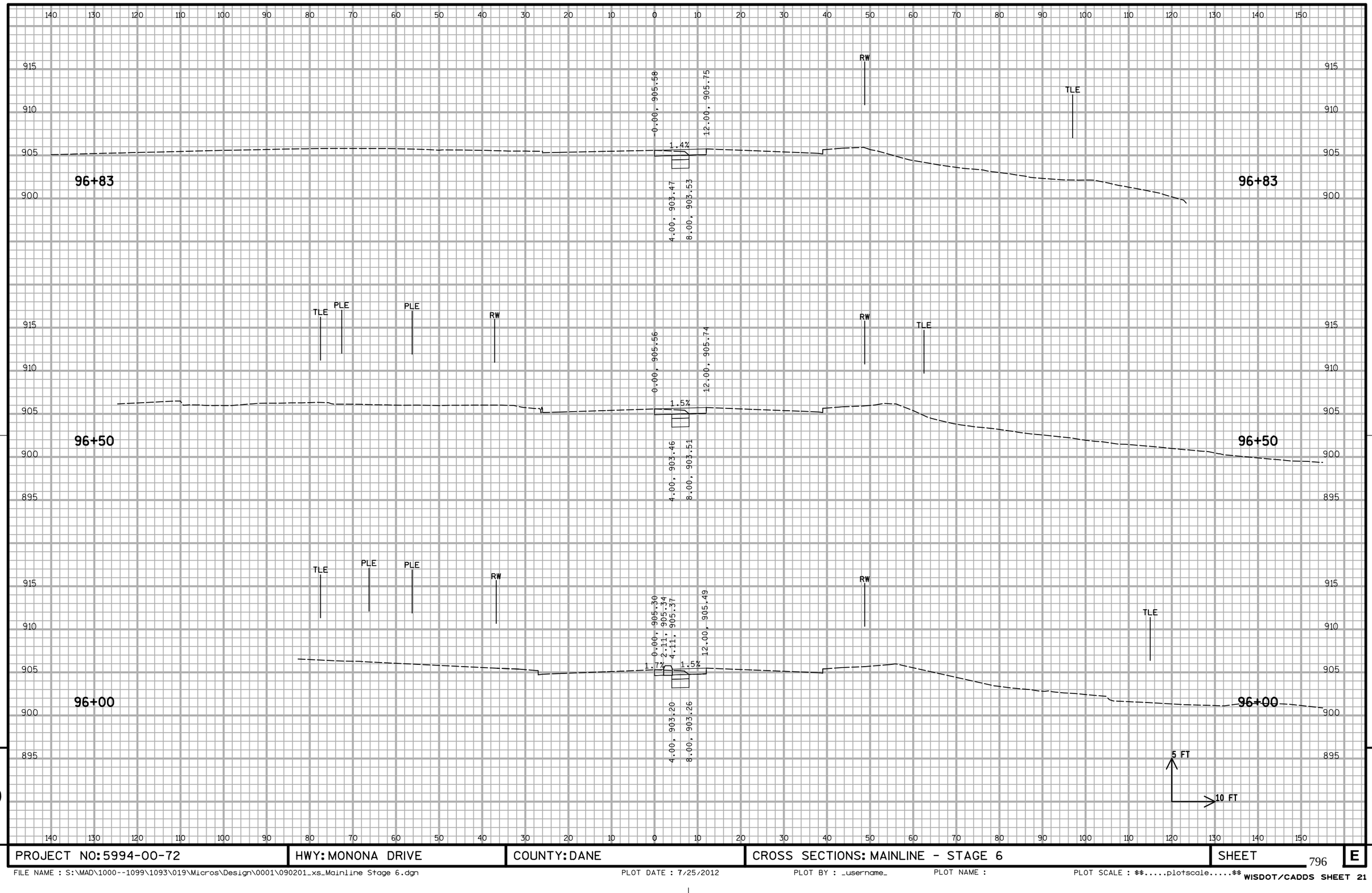


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 795	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

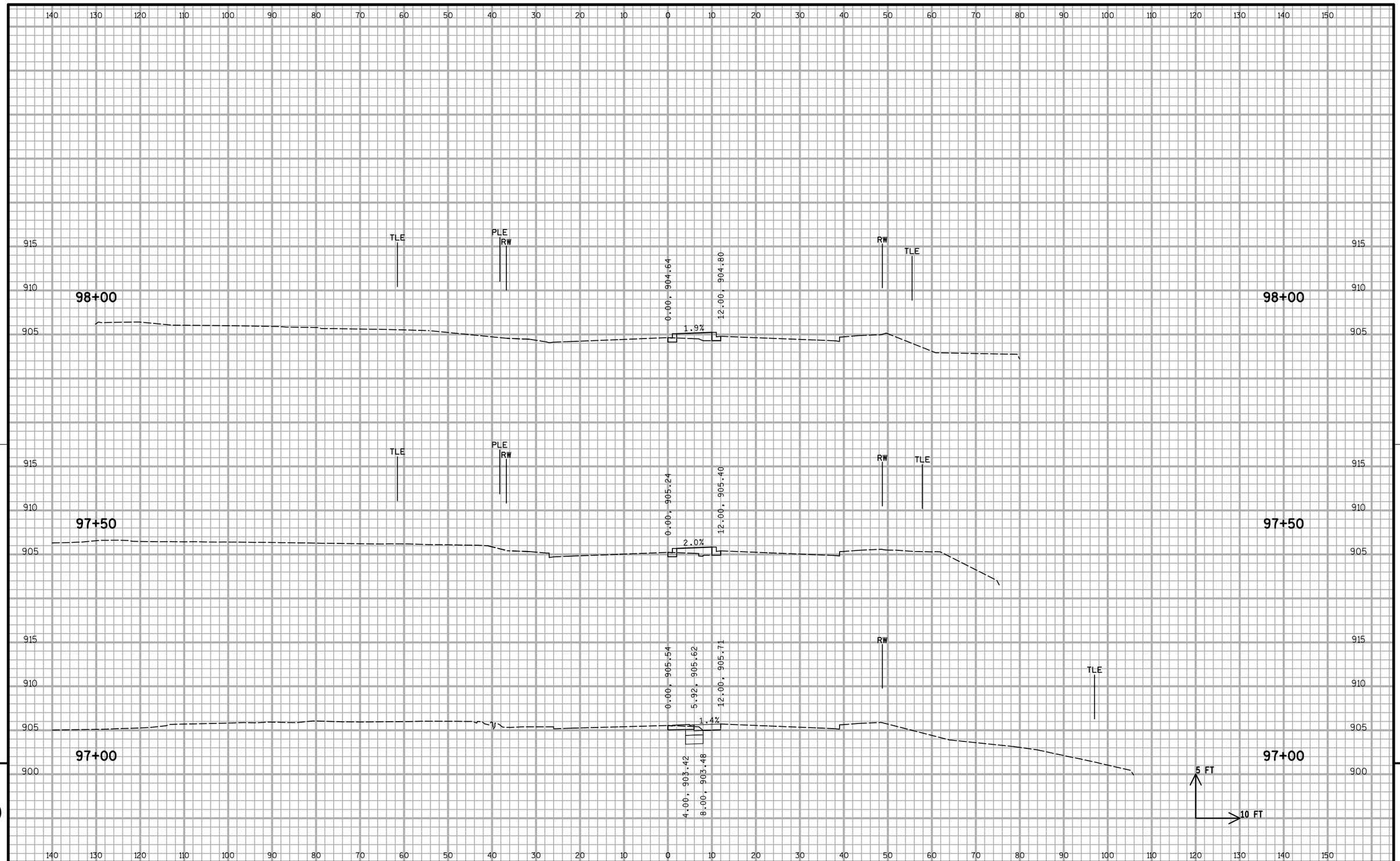


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 796	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



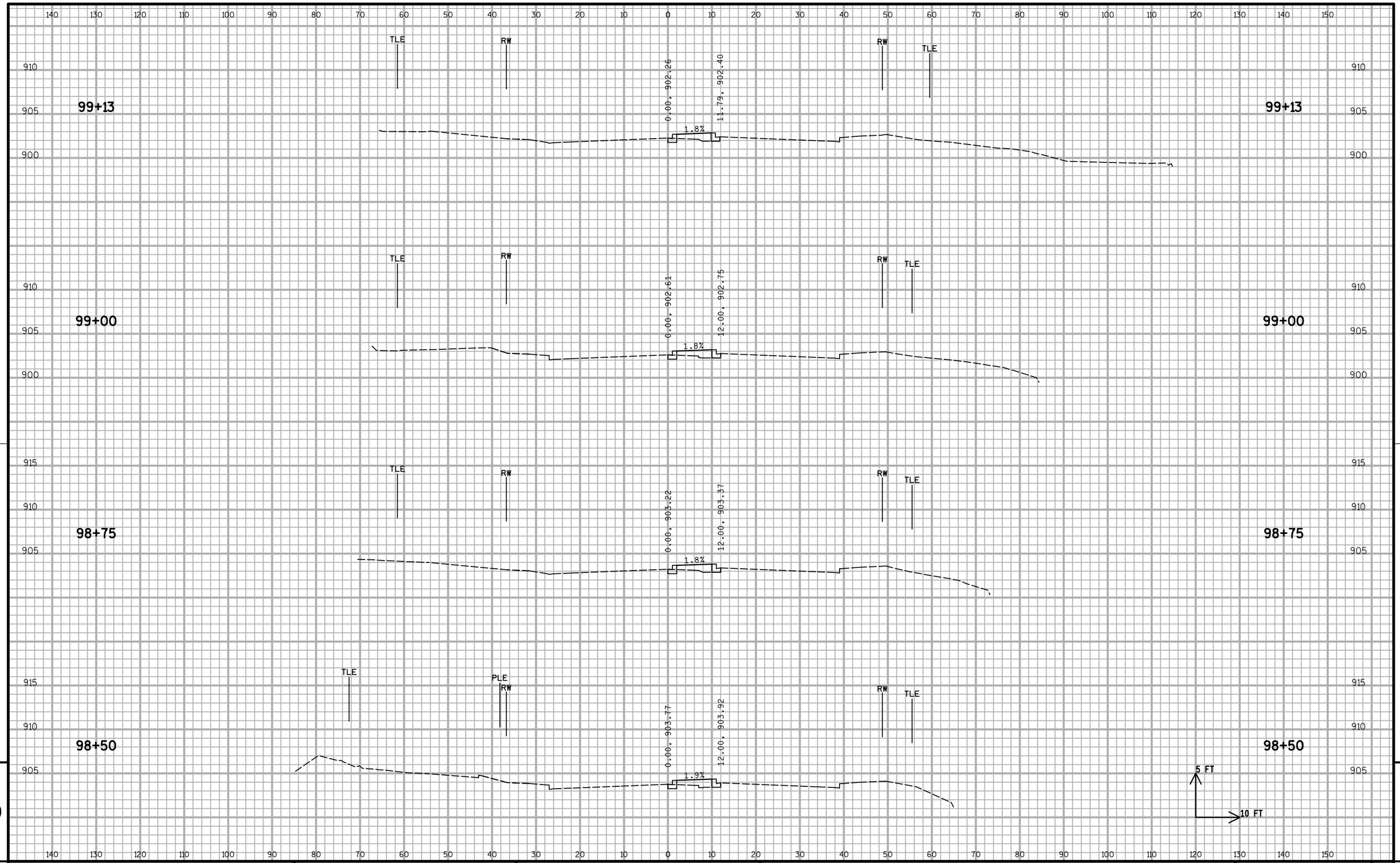
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 797	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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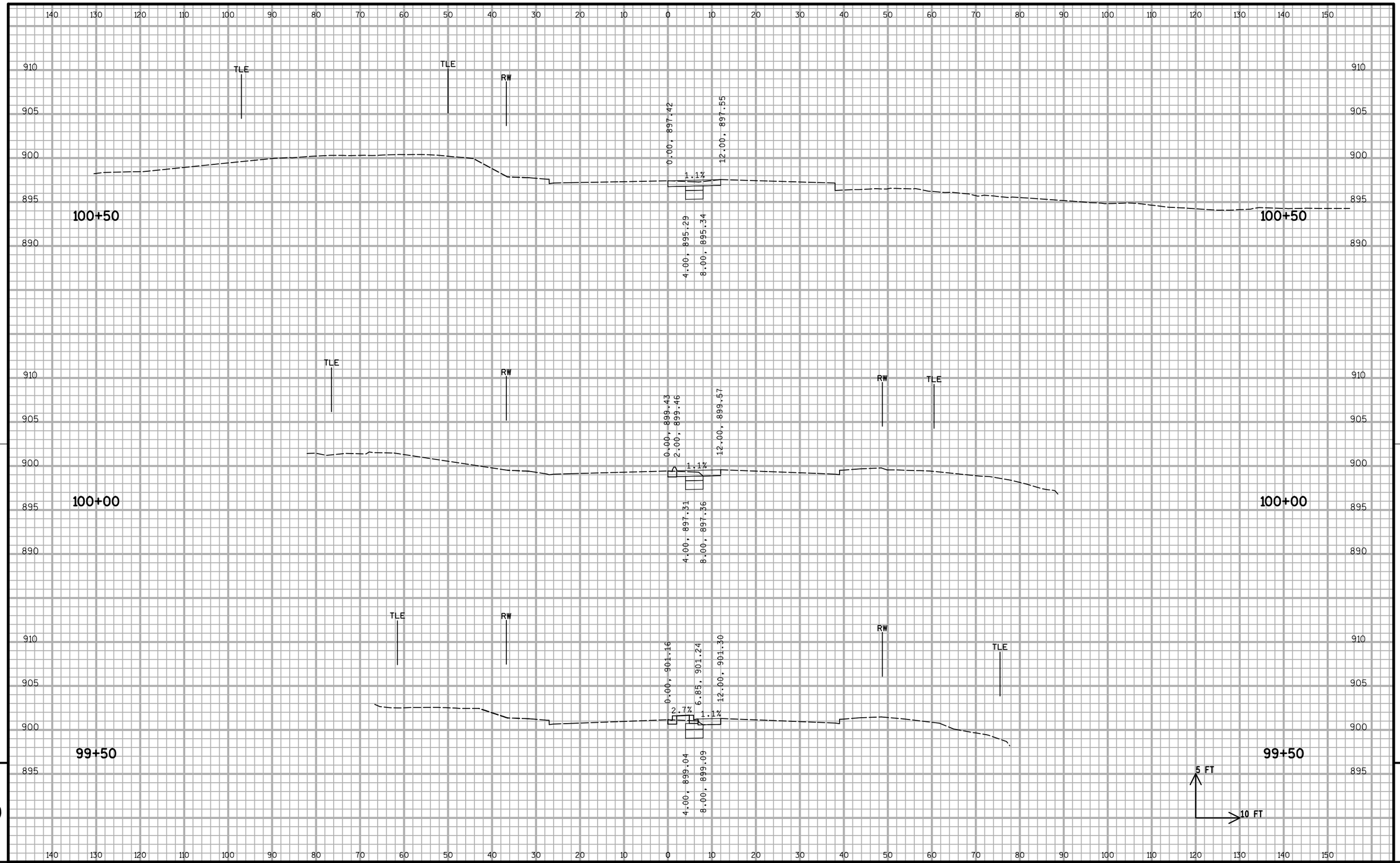


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 798	E

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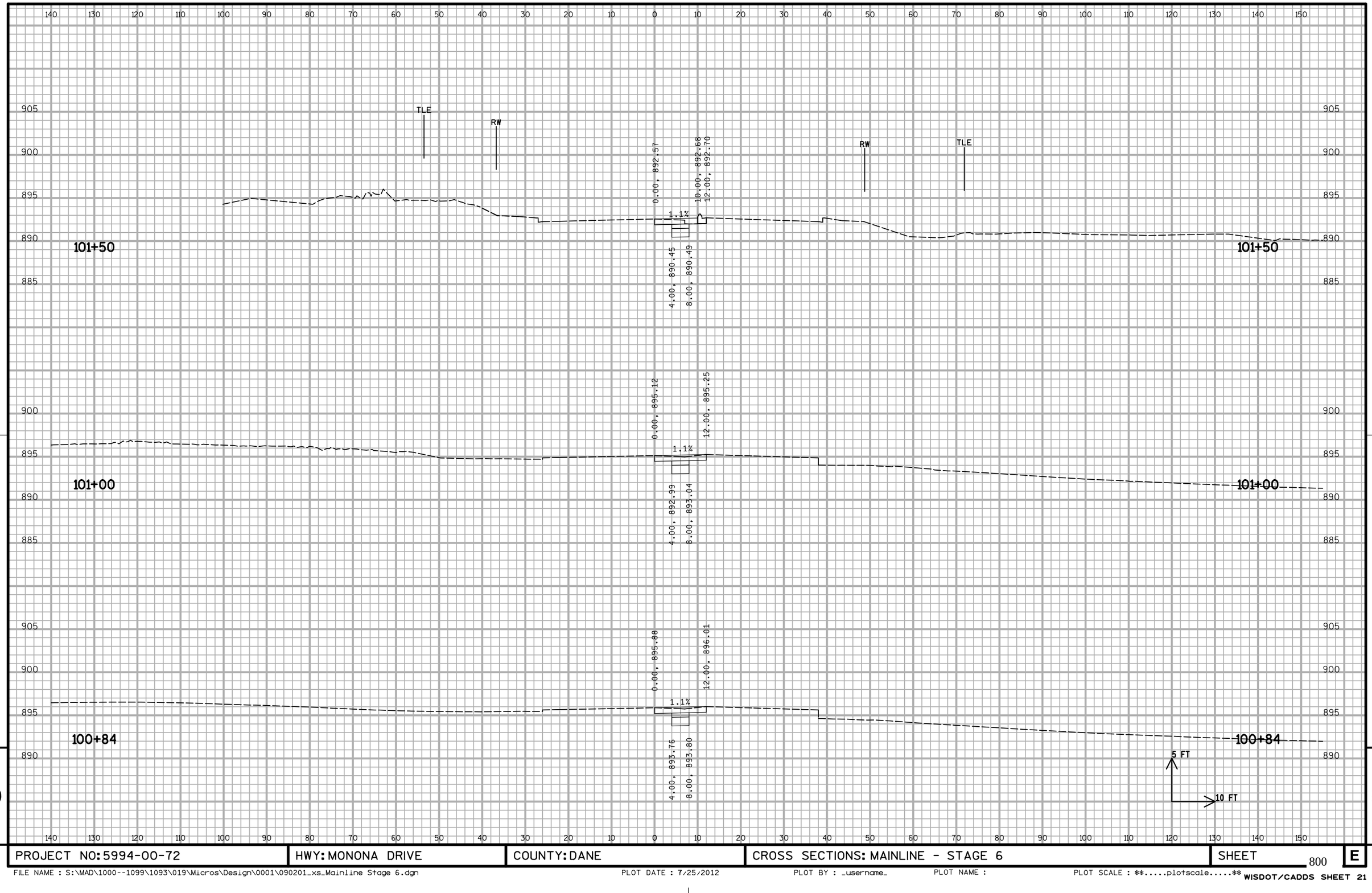
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 799	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

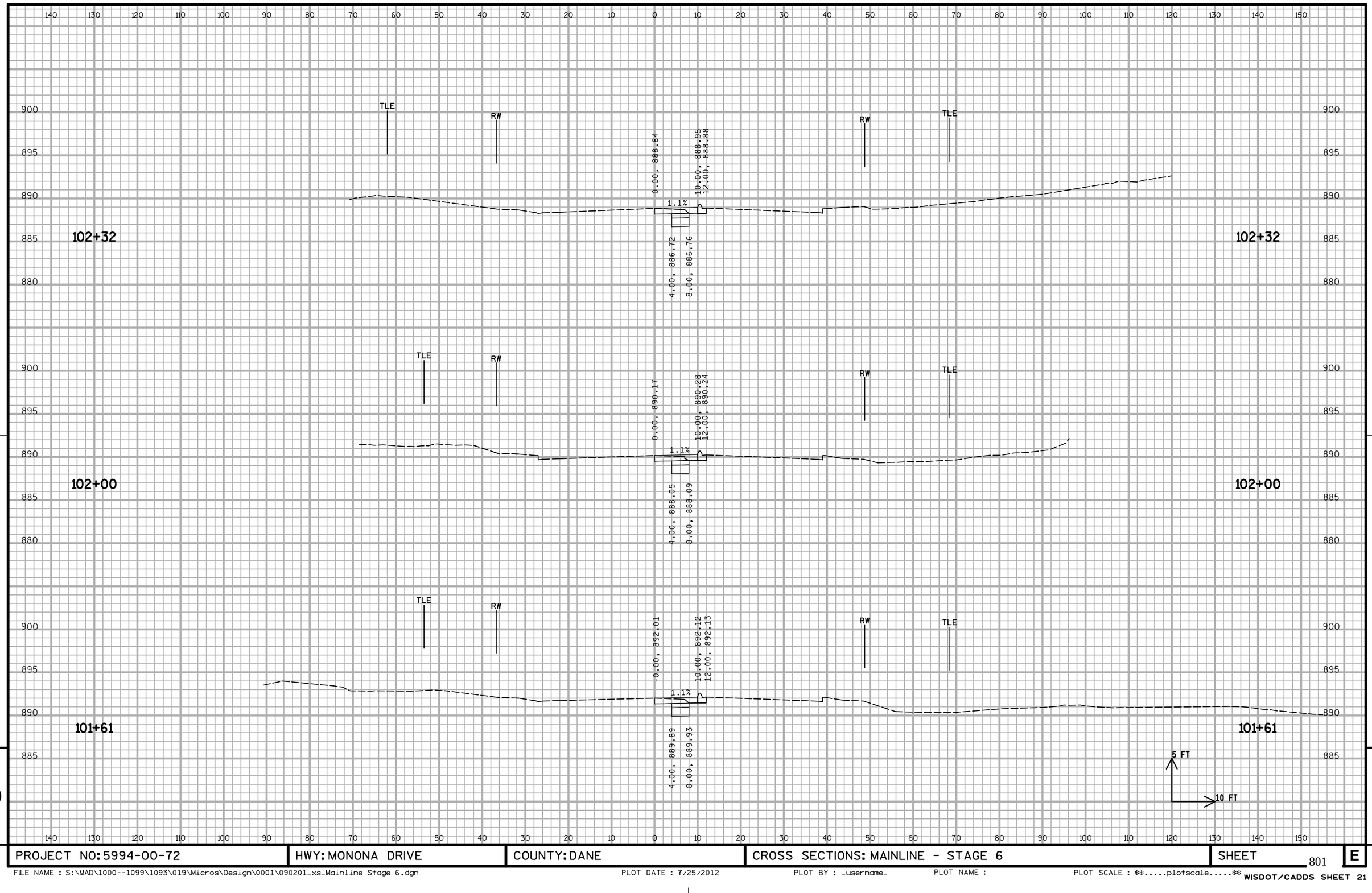


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 800	E

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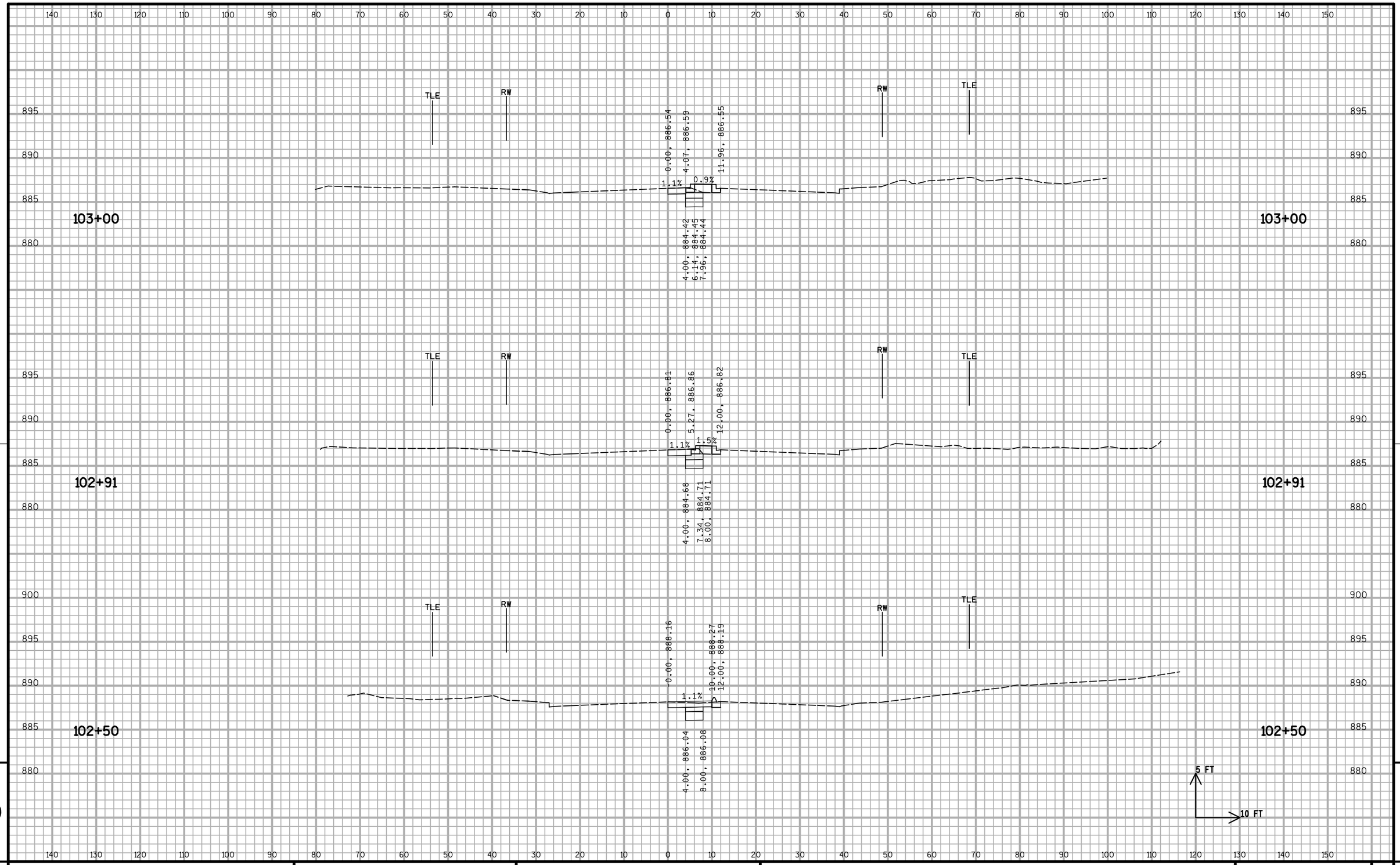
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 801	E

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WISDOT/CADDS SHEET 21



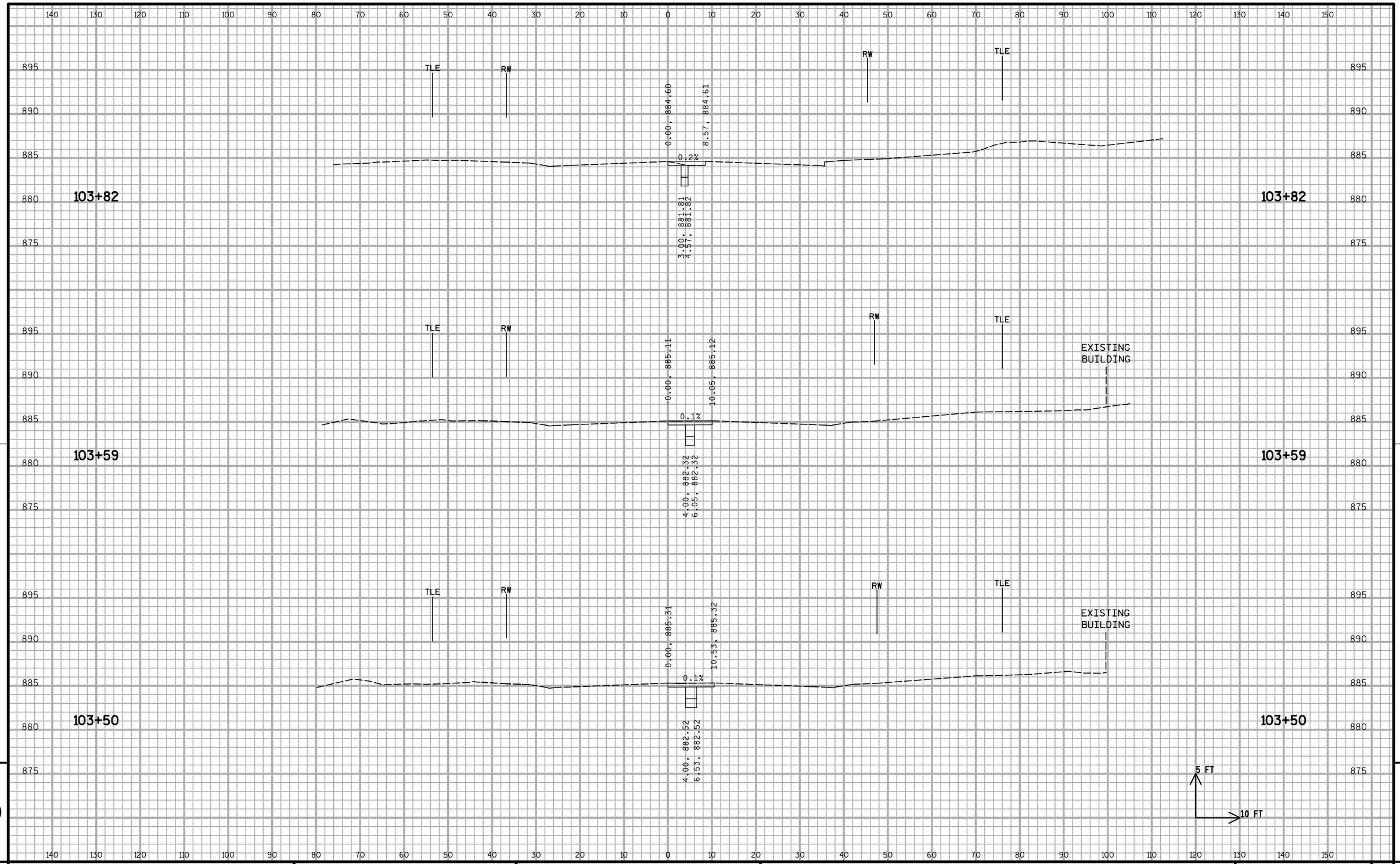
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



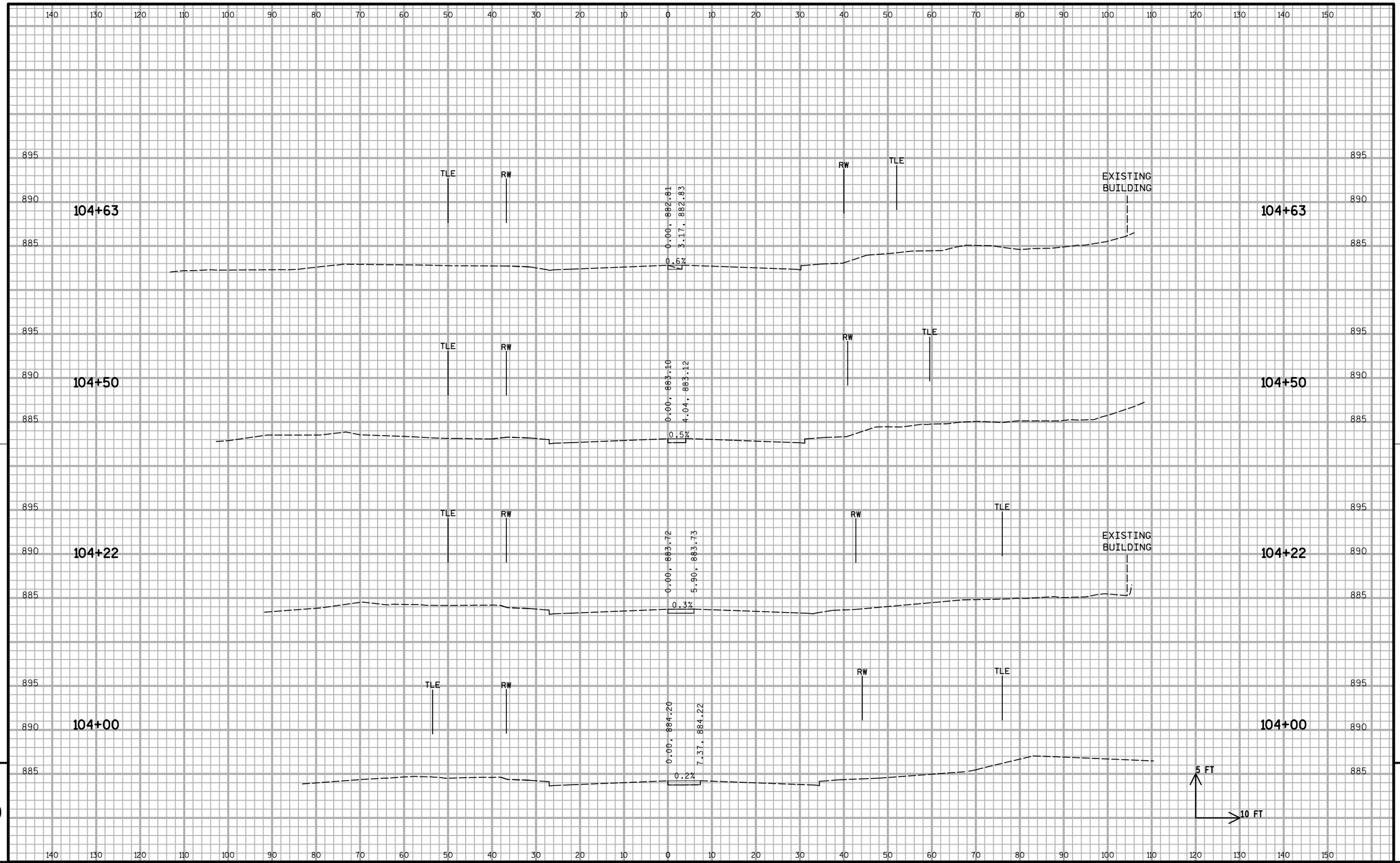
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 803	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 804	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

890
885
880

106+00

TLE RW RW TLE

106+00

105+75

TLE RW RW TLE

105+75

105+50

TLE RW RW TLE

105+50

105+00

TLE RW RW TLE

0.00, 881.99
0.70, 882.01
2.9%

5 FT
10 FT

105+00

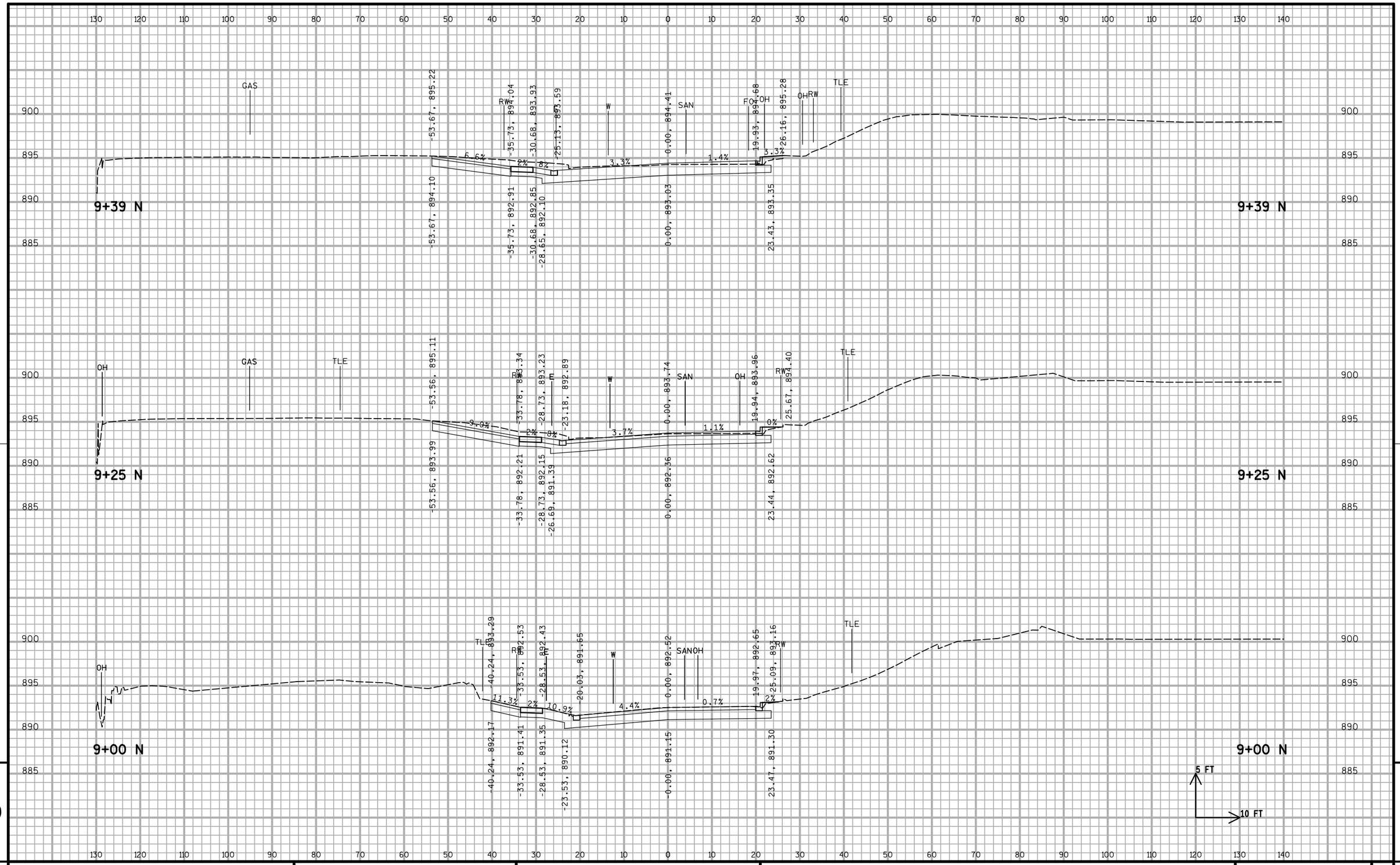
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: MAINLINE - STAGE 6	SHEET 805	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090201_xs_Mainline Stage 6.dgn PLOT DATE : 7/25/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

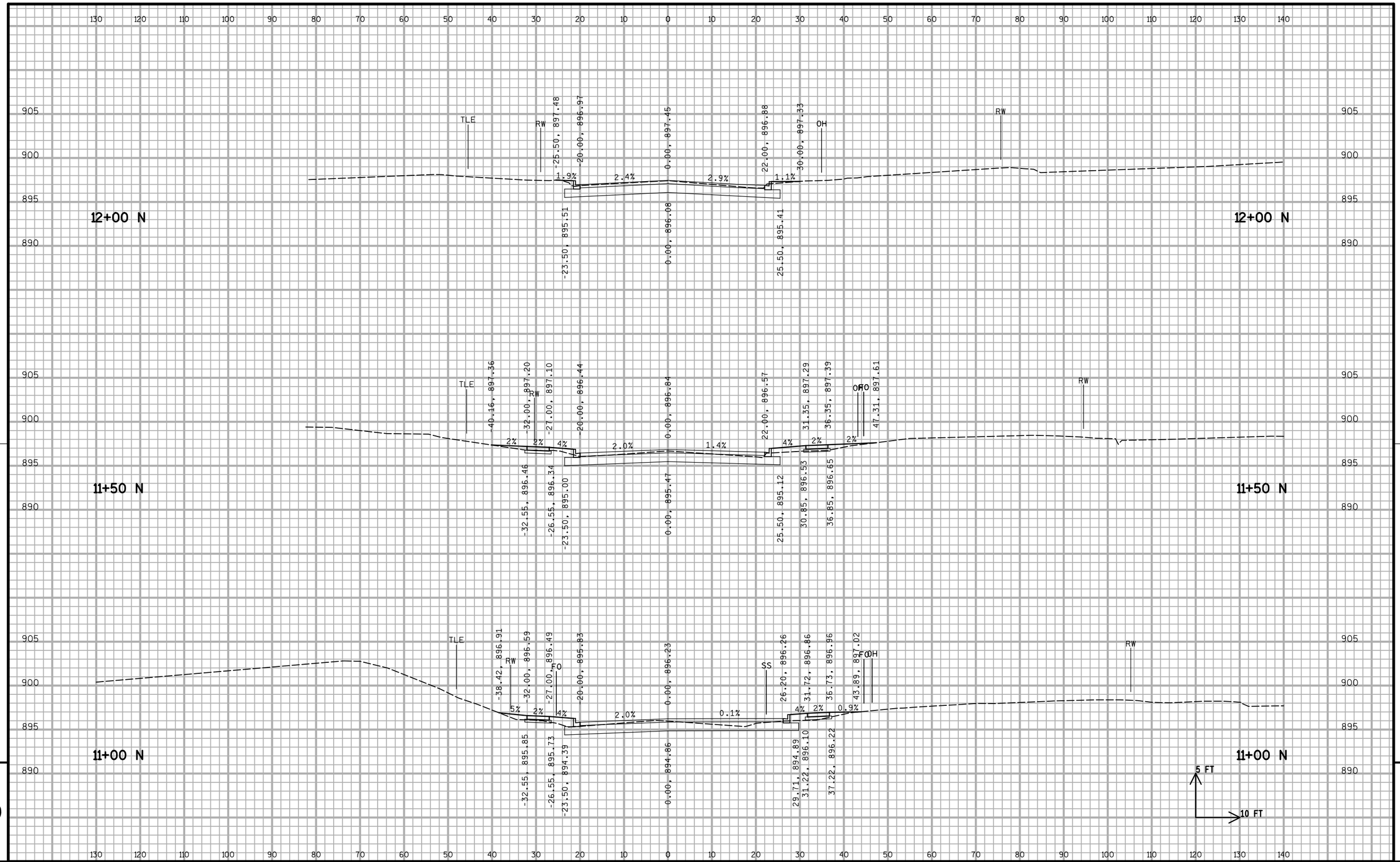
WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: NICHOLS / PFLAUM	SHEET 806	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090202_xs_Nichols.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

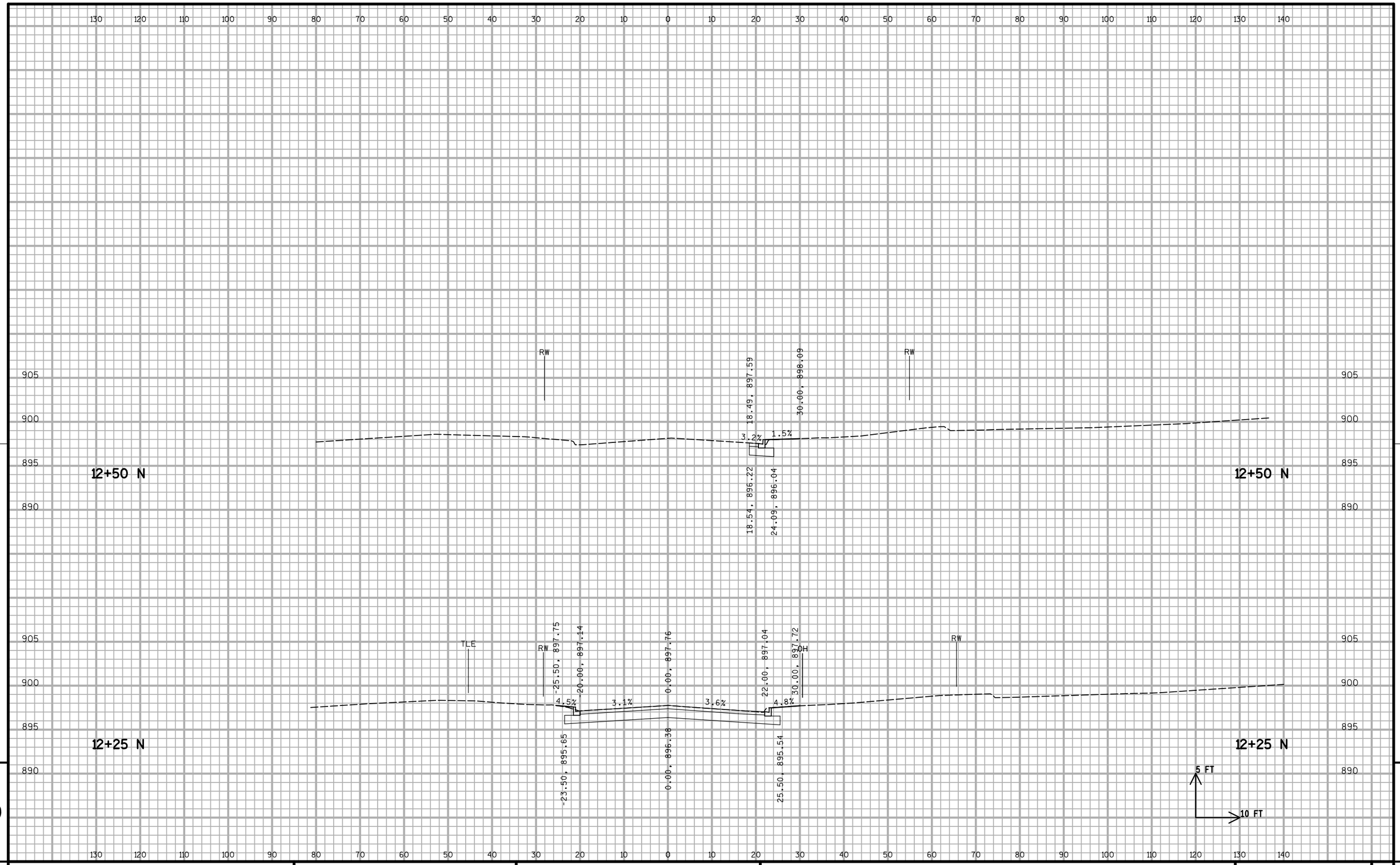


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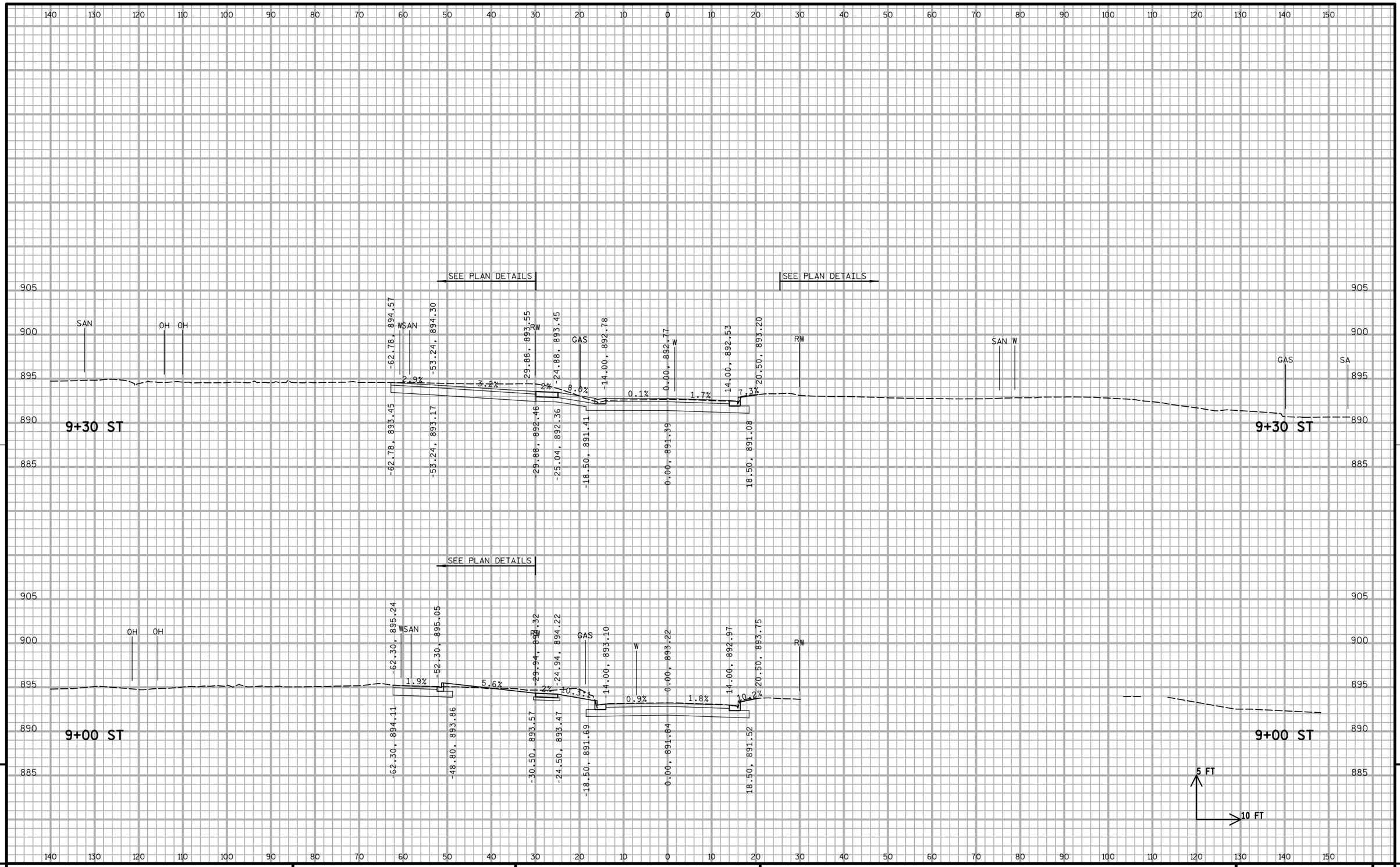
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FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090202_xs_Nichols.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: NICHOLS / PFLAUM	SHEET 808	E

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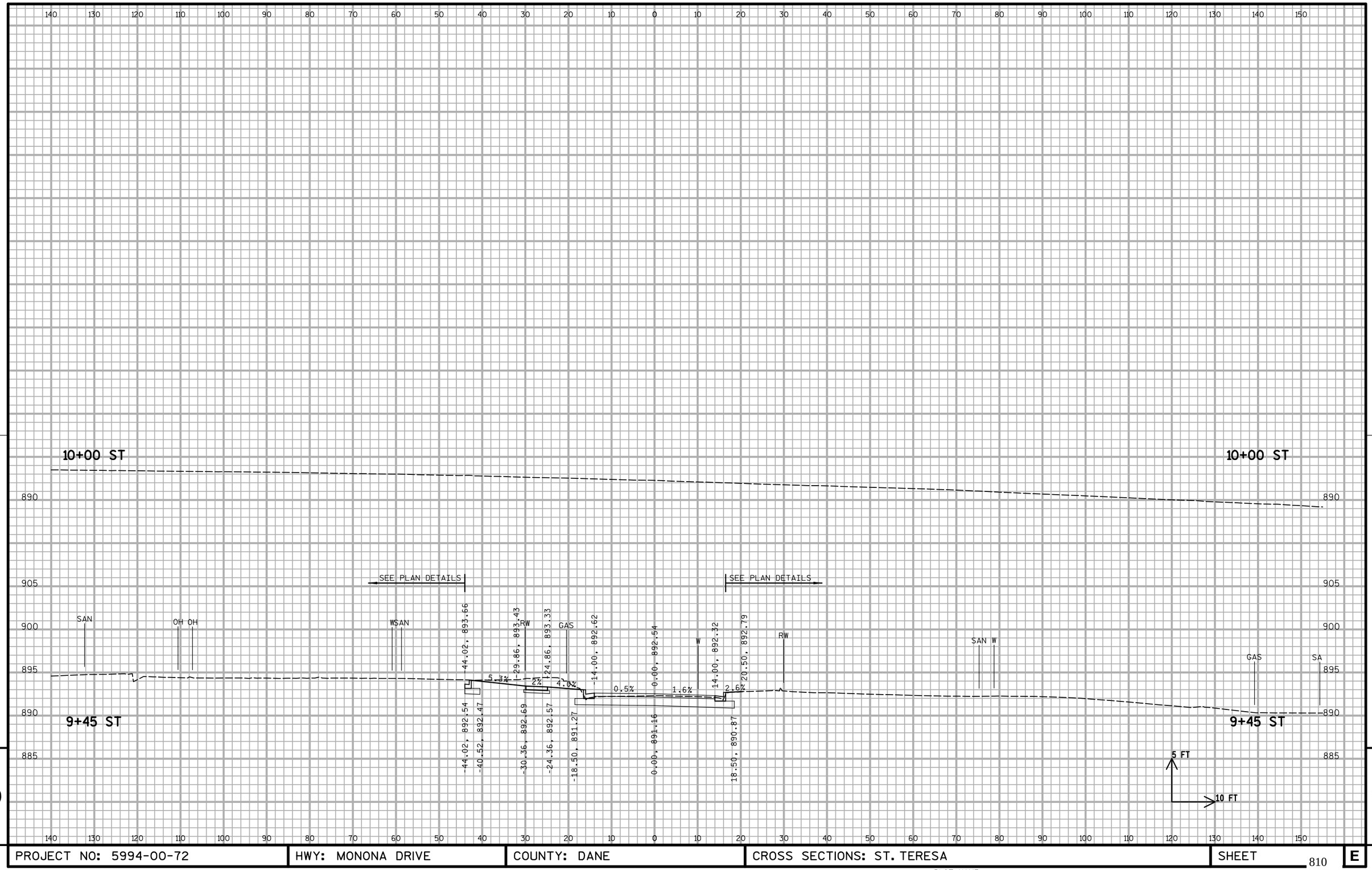
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: ST. TERESA	SHEET 809	E

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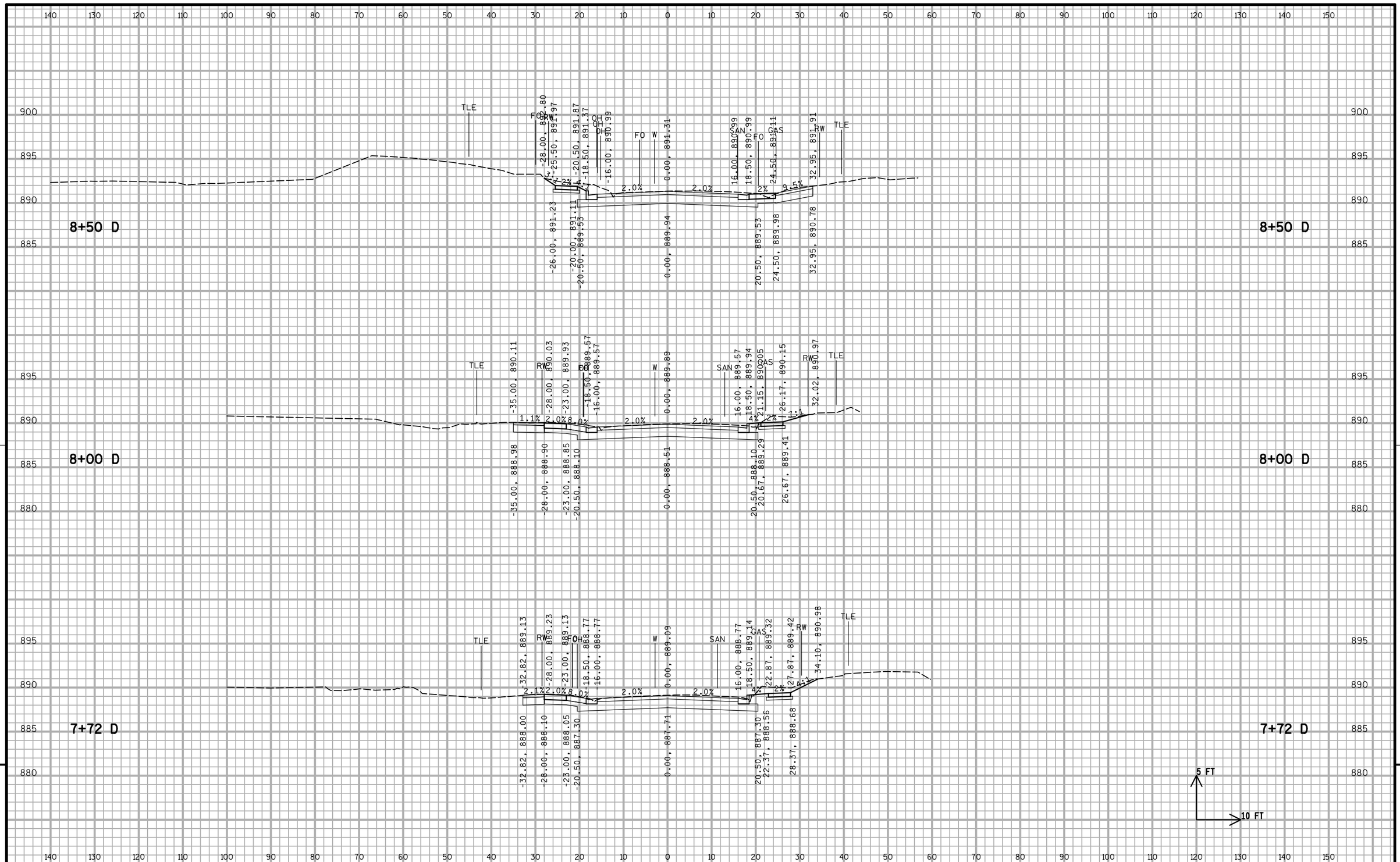
WISDOT/CADDS SHEET 21



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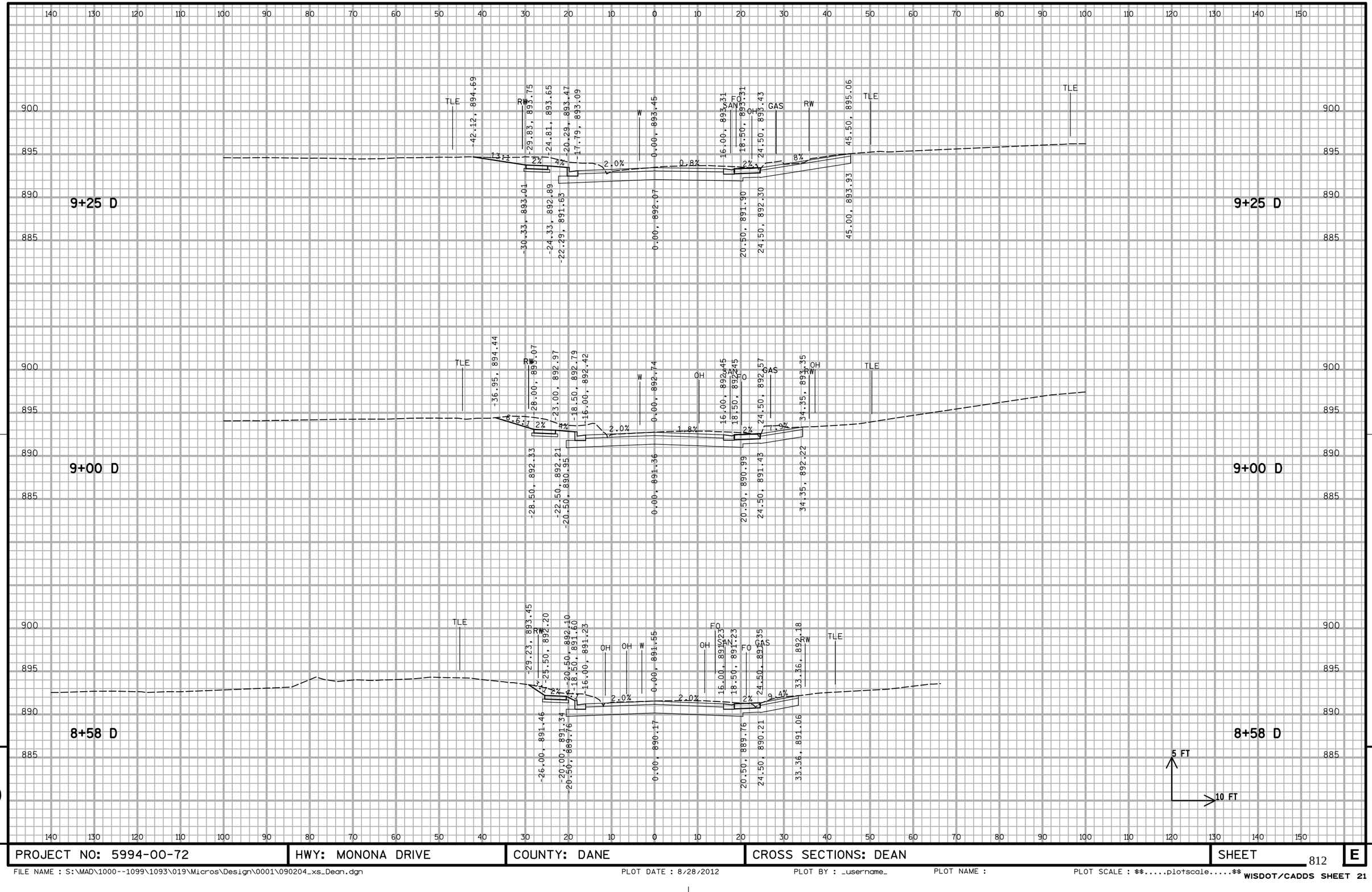
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: ST. TERESA	SHEET 810	E

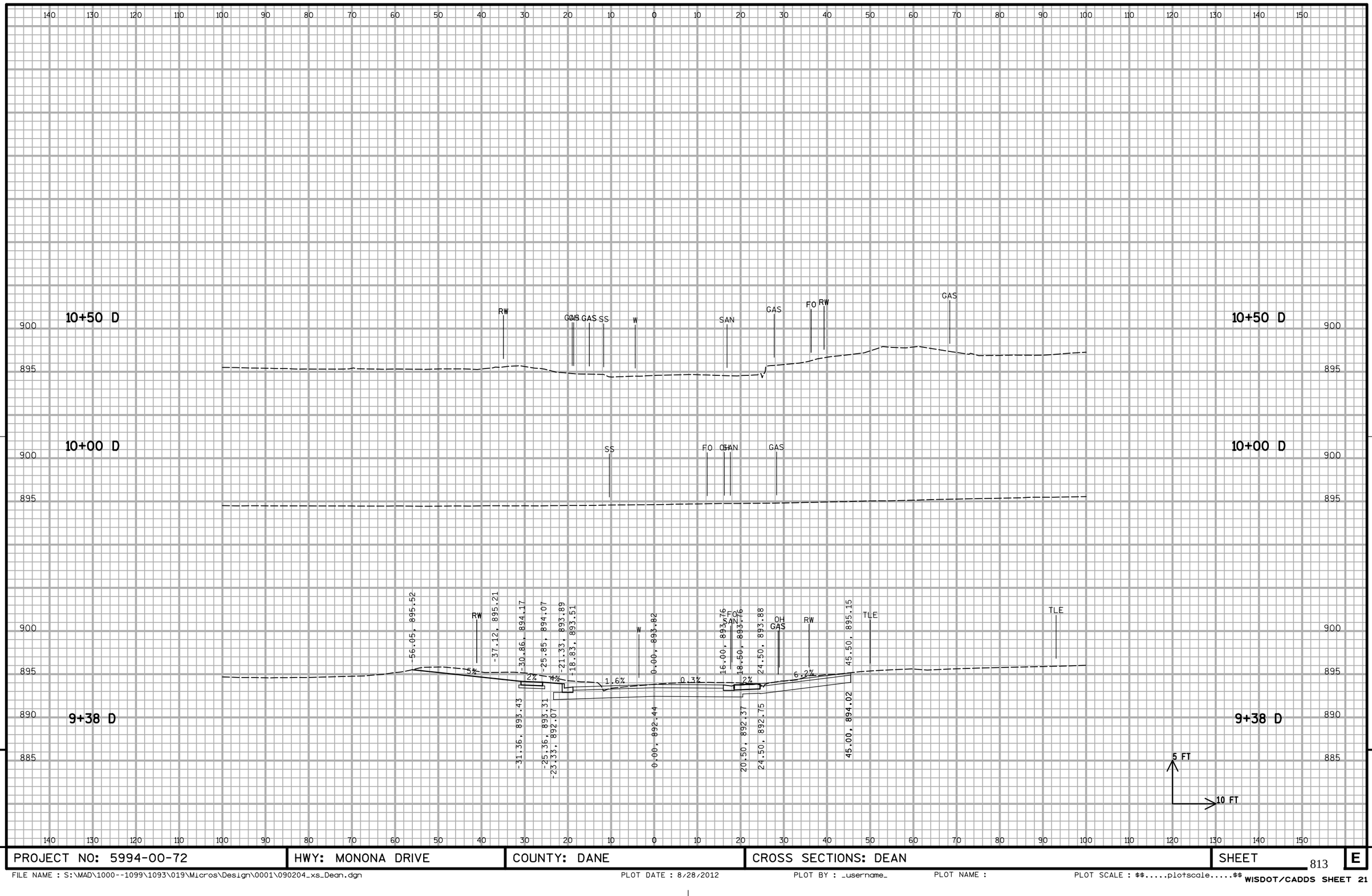


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: DEAN	SHEET 811	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090204_xs_Dean.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

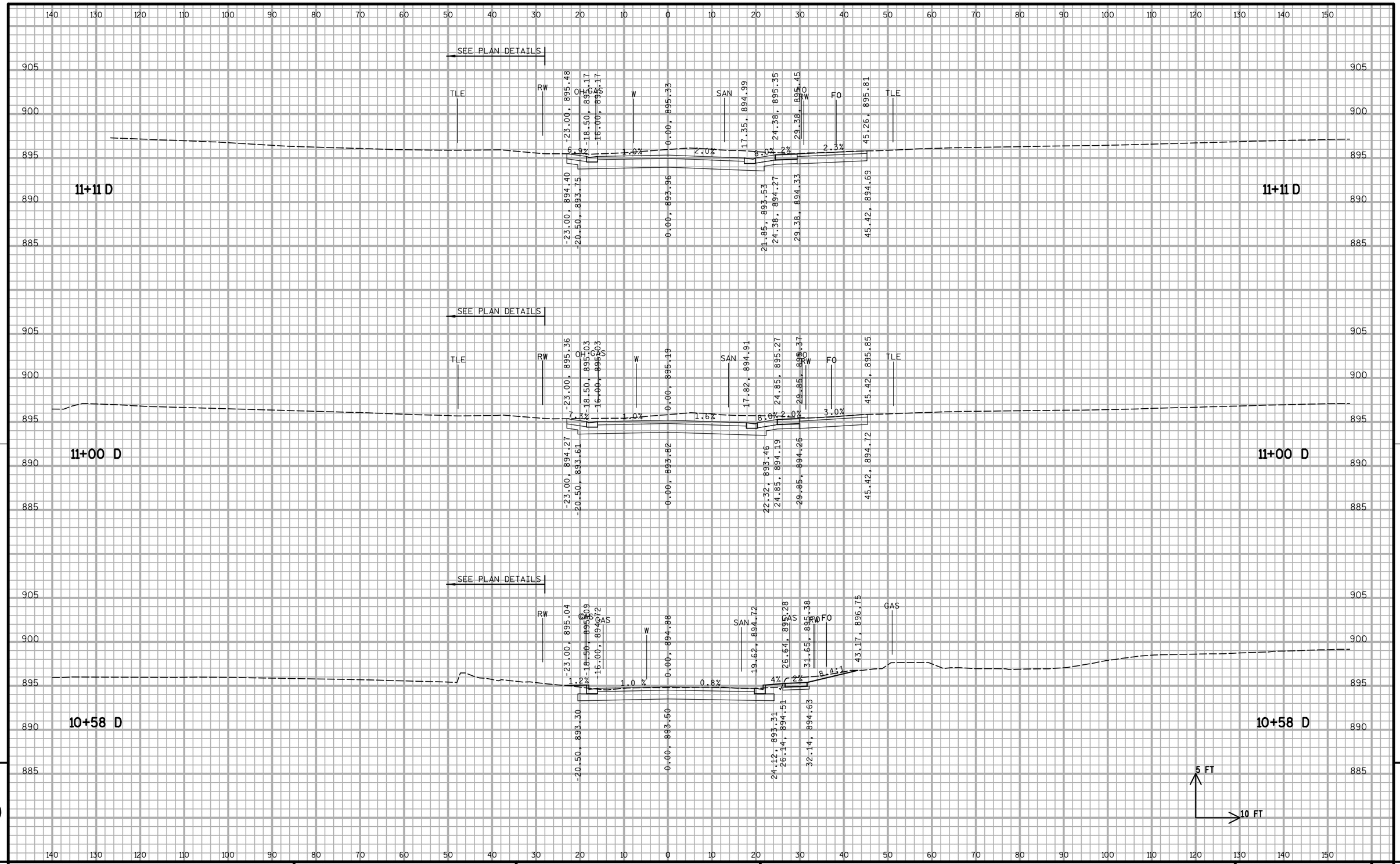


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: DEAN	SHEET 812	E



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: DEAN	SHEET 813	E

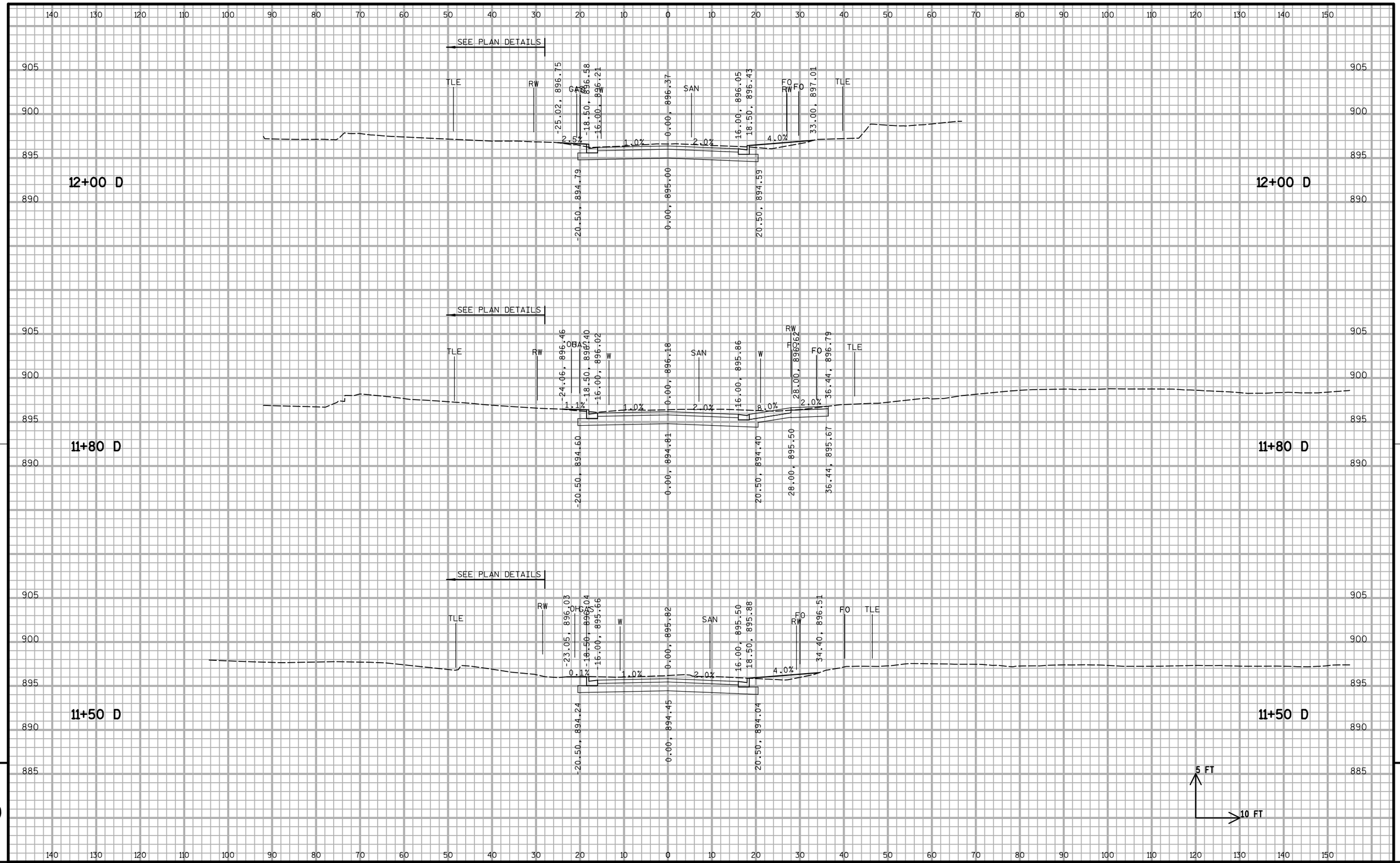
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: DEAN	SHEET 814 E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090204_xs_Dean.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

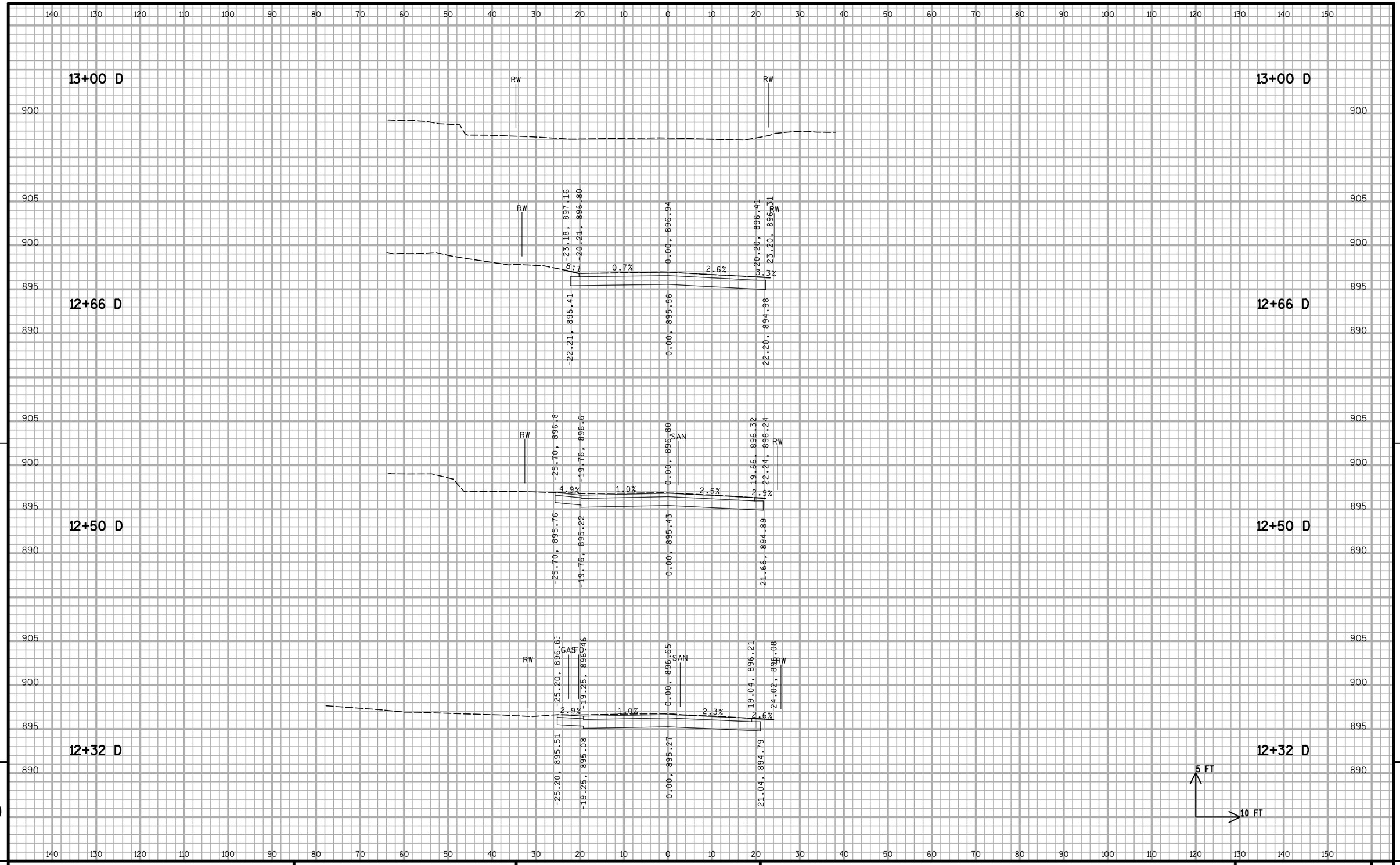


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: DEAN	SHEET 815	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090204_xs_Dean.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



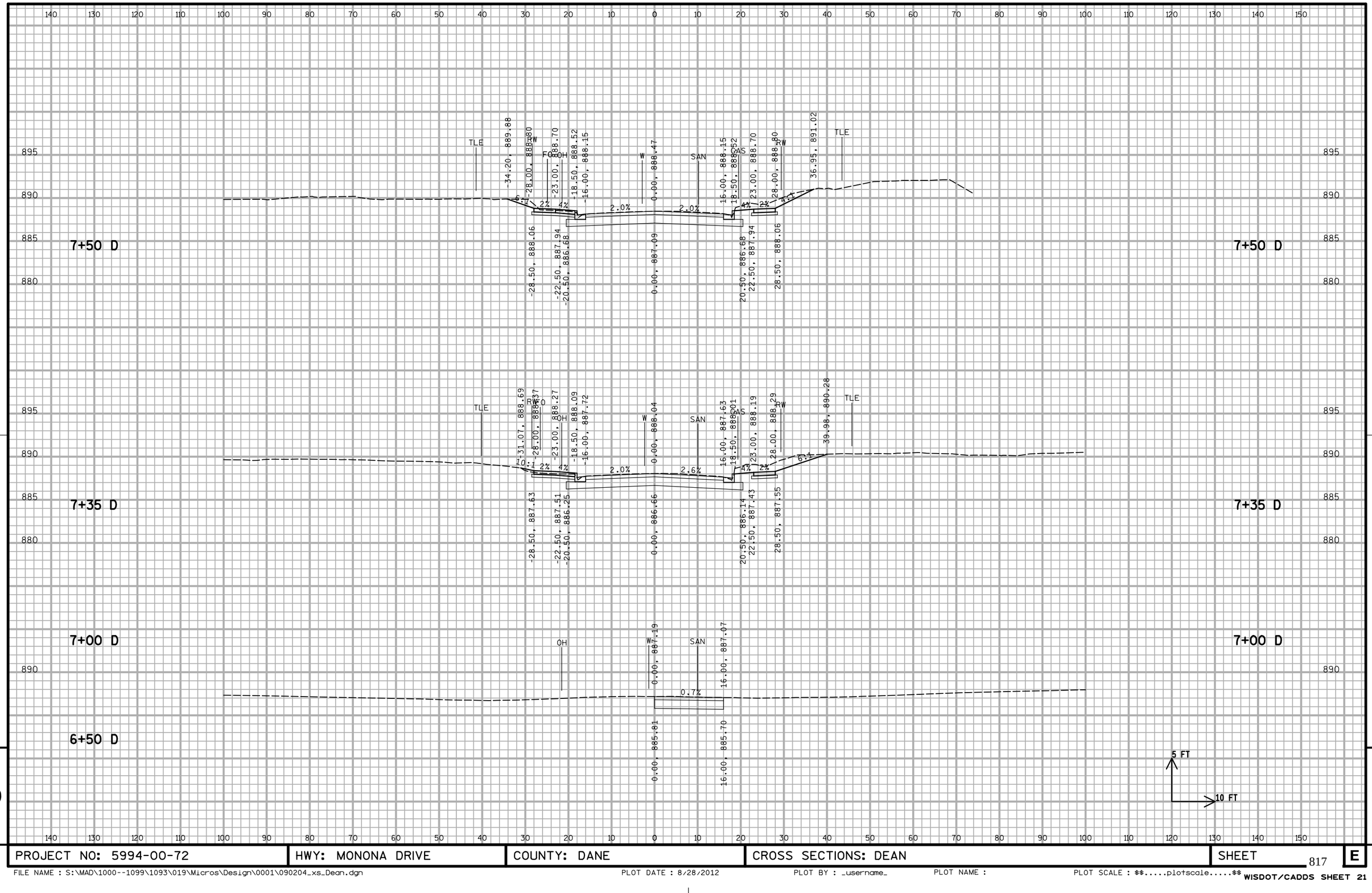
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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: DEAN	SHEET	E

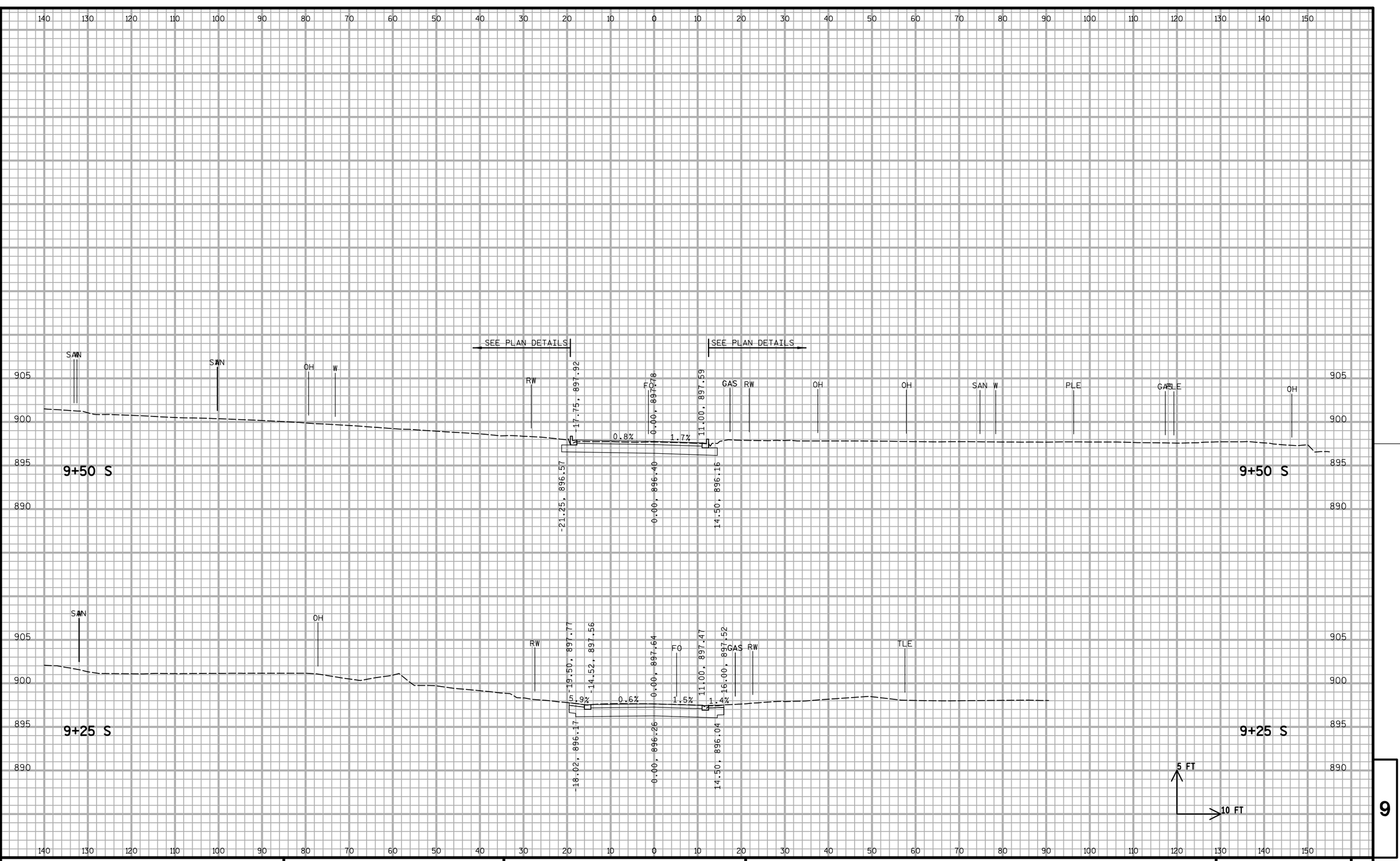
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WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: DEAN	SHEET 817	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090204_xs_Dean.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



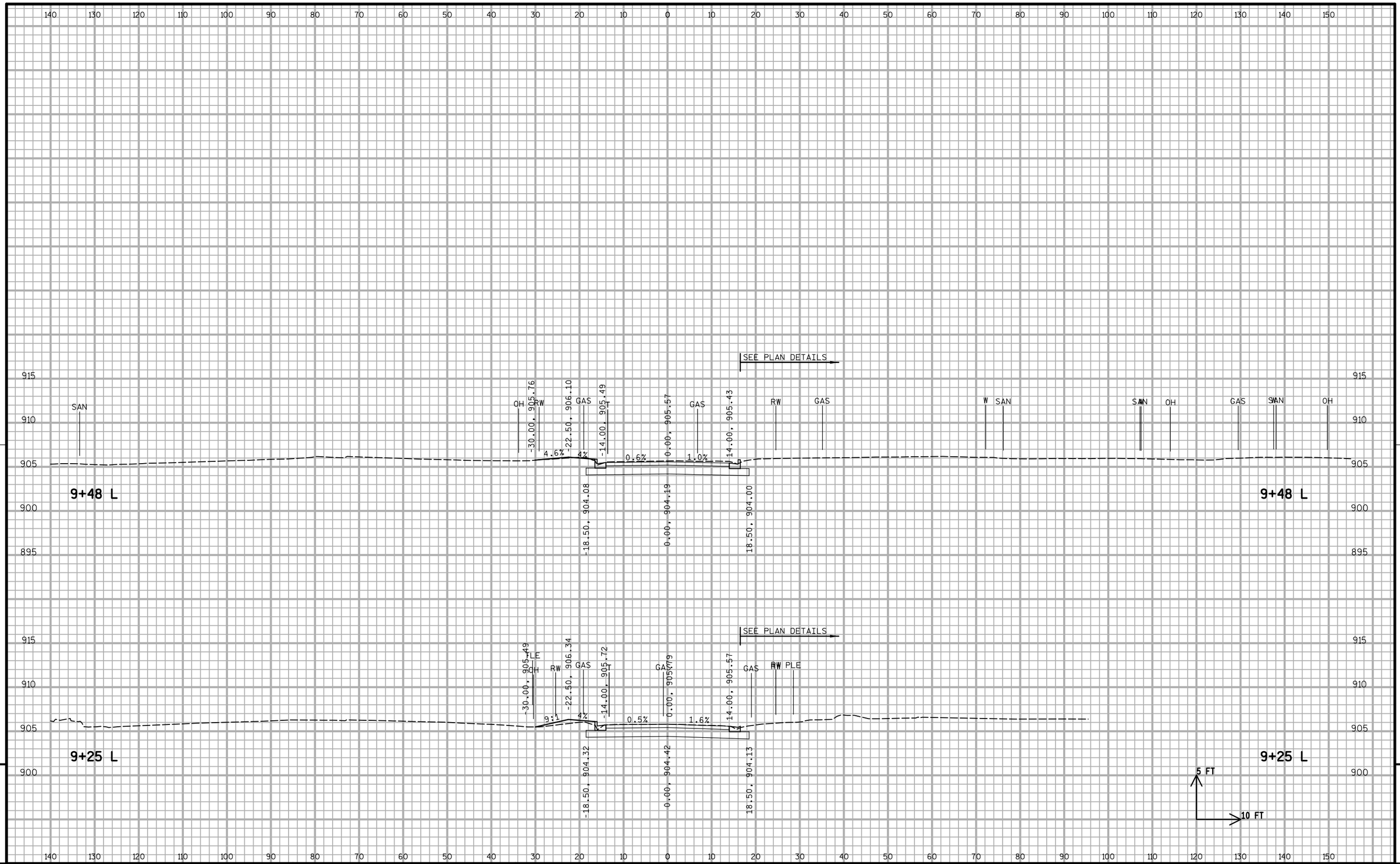
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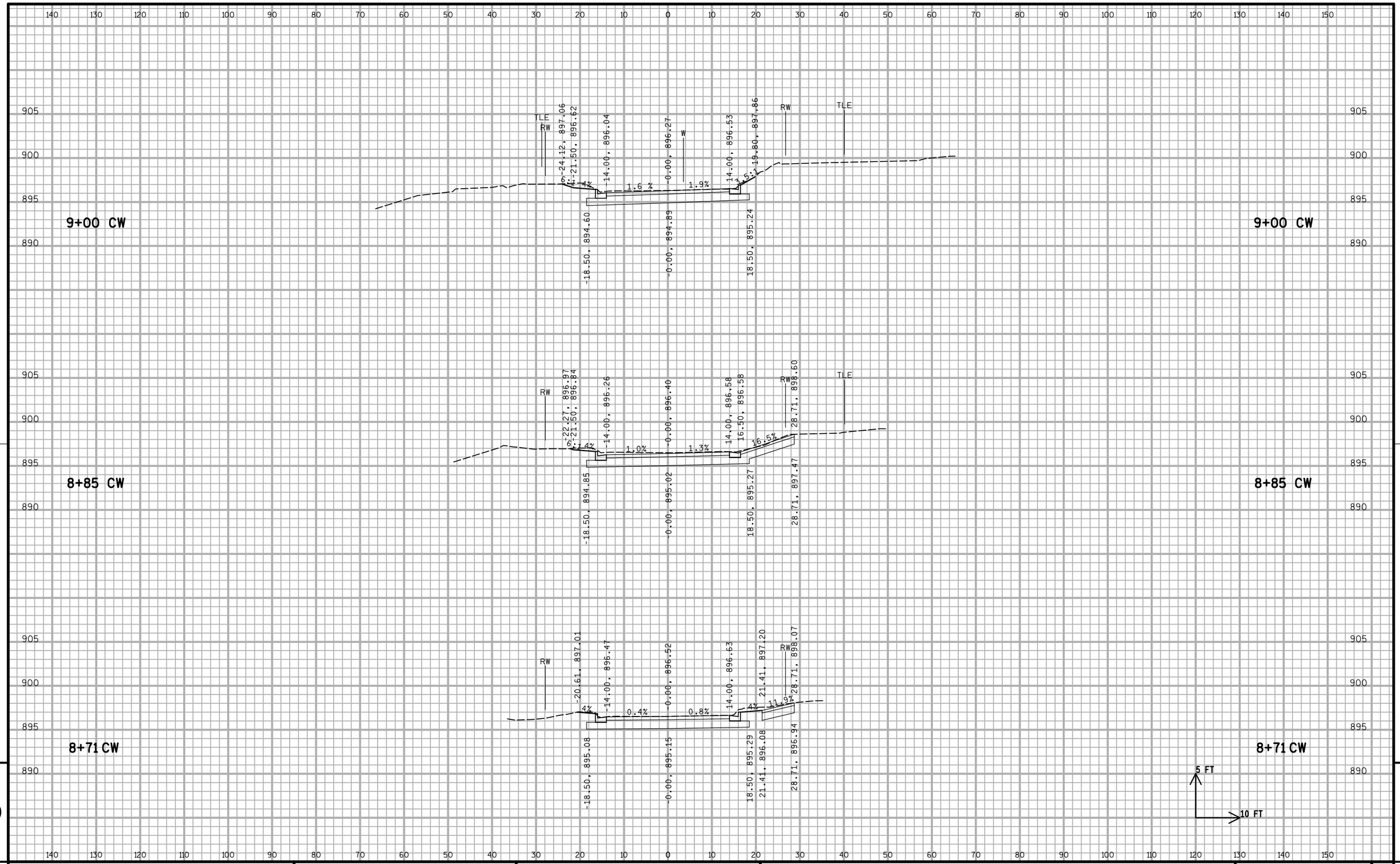
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FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090205_xs_Springhaven.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

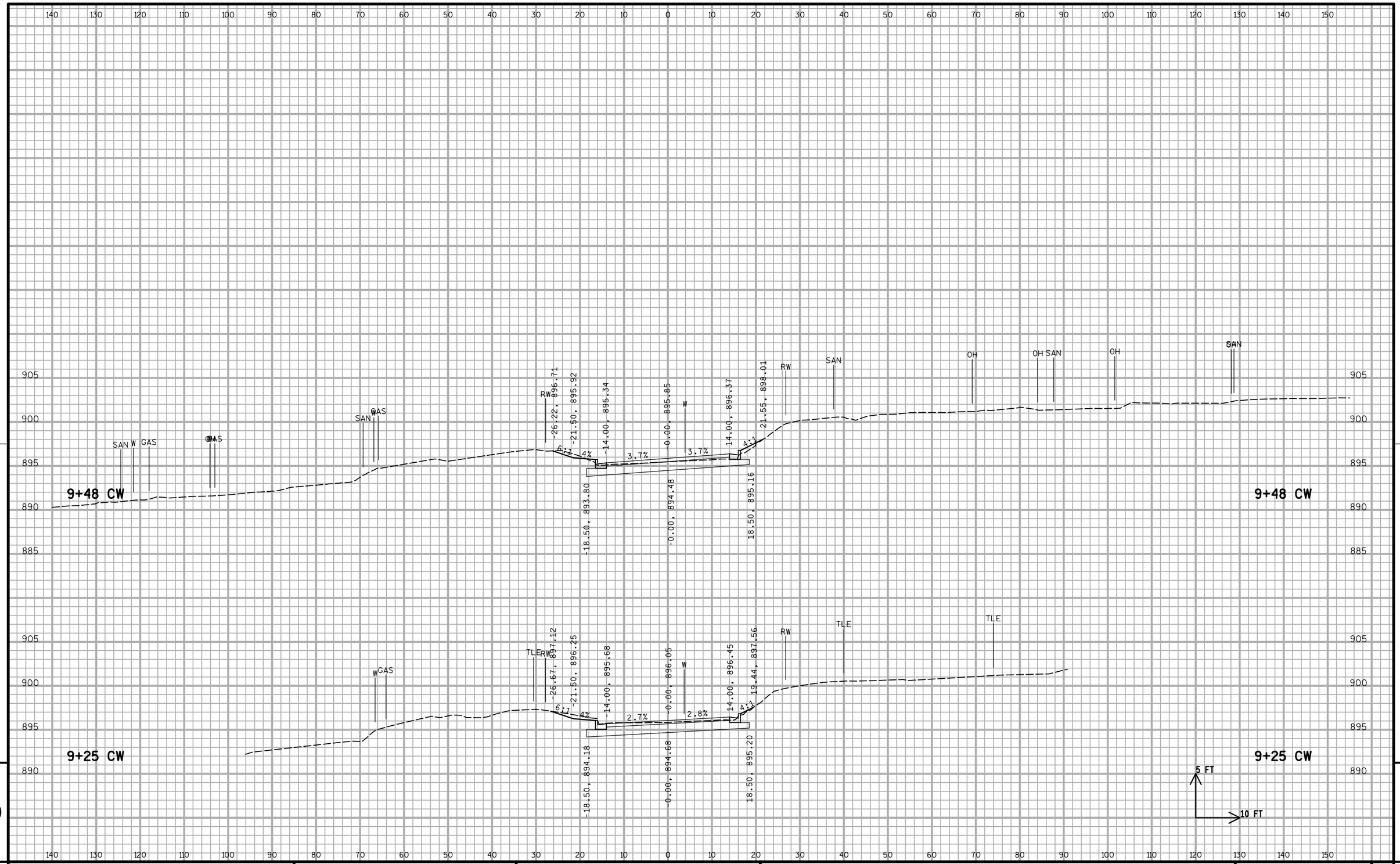


PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: LOFTY	SHEET 819	E



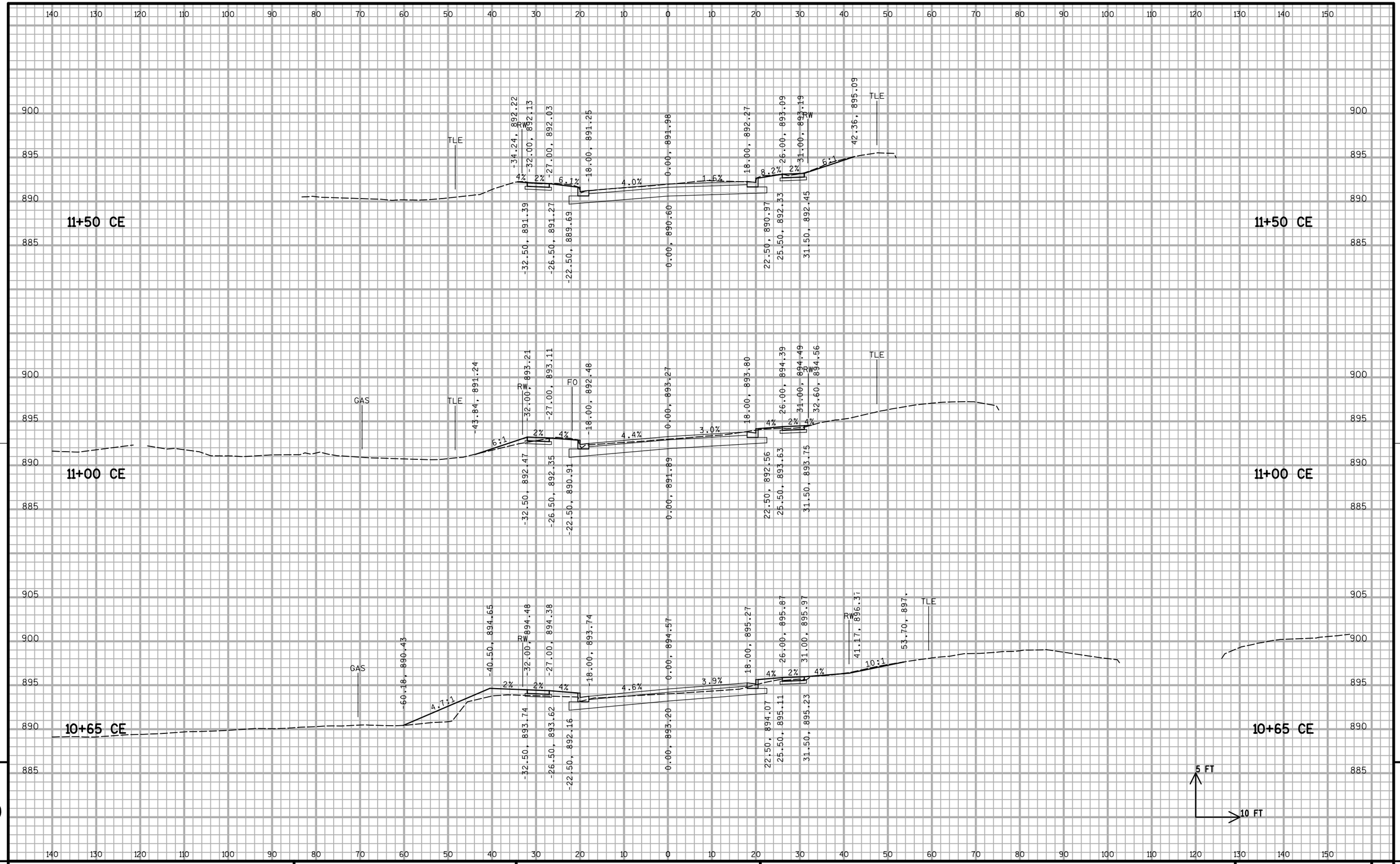
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: WEST COLDSPRING	SHEET 820	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090207_xs_Coldspring West.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



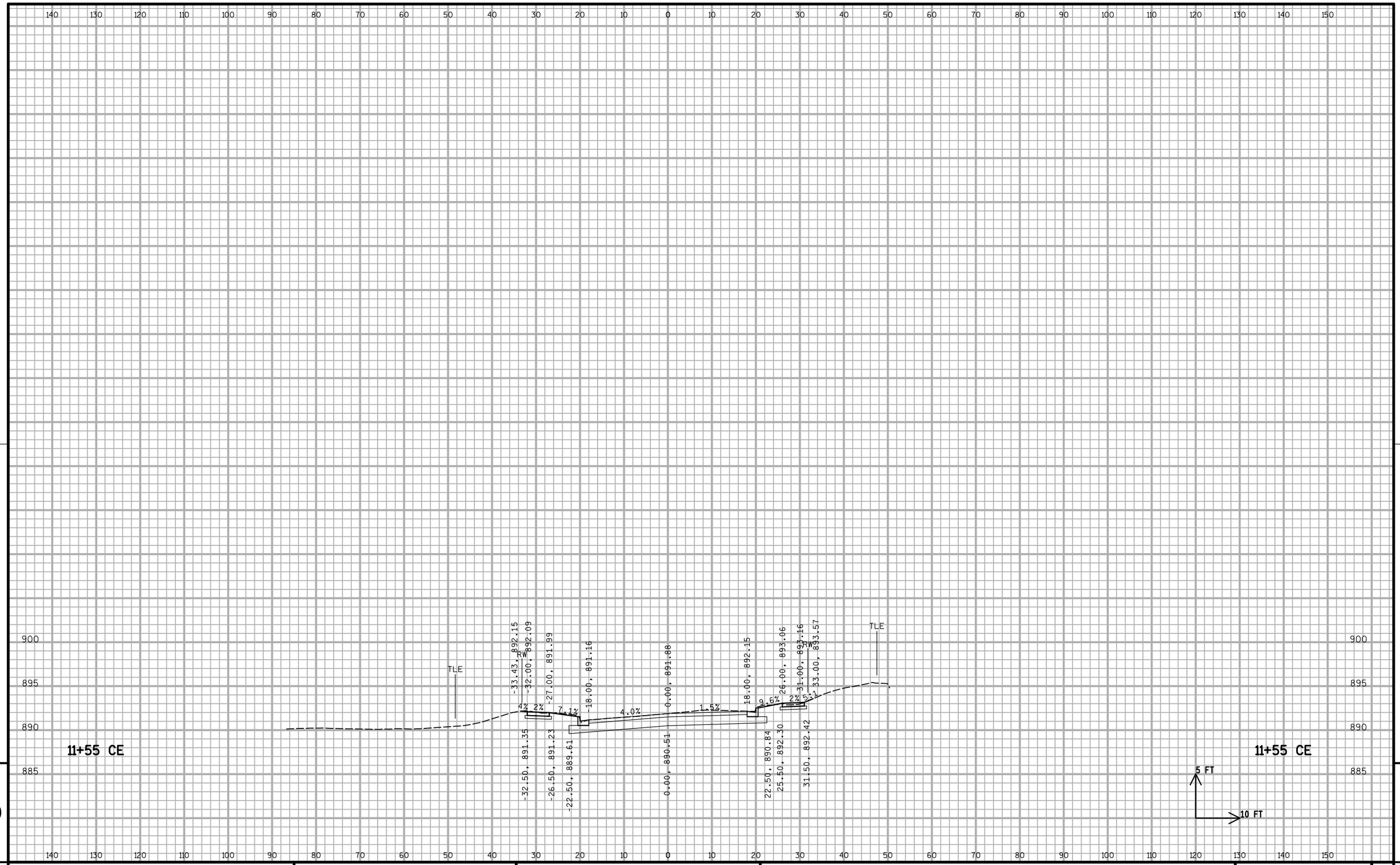
PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: WEST COLDSPRING	SHEET 821	E

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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: EAST COLDSPRING	SHEET 822	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090208_xs_Coldspring East.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

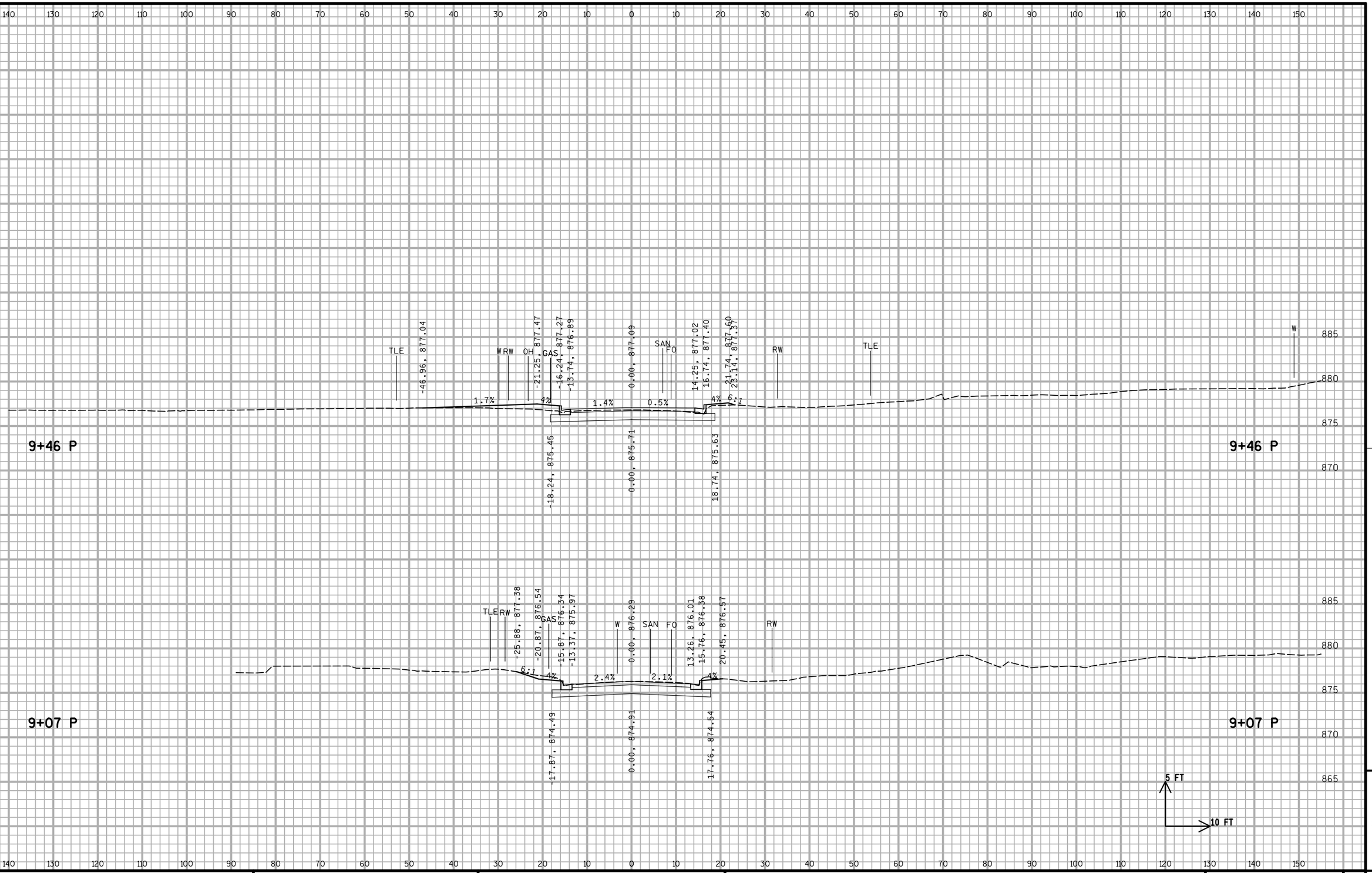


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PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: EAST COLDSPRING	SHEET 823	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090208_xs_Coldspring East.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5994-00-72	HWY: MONONA DRIVE	COUNTY: DANE	CROSS SECTIONS: PARKWAY	SHEET 824	E

FILE NAME : S:\MAD\1000--1099\1093\019\Micros\Design\0001\090209_xs_Parkway.dgn PLOT DATE : 8/28/2012 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

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