MAD

FEBRUARY 2015

PROJECT ID: WITH: 5310-02-73 **5310-02-70**

COUNTY: **DANE**

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
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 = 606

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SPRING GREEN - MADISON

CTH KP - WEST VIEW COURT, VILLAGE OF CROSS PLAINS

USH 14

DANE COUNTY

STATE PROJECT NUMBER
5310-02-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5310-02-70	WISC 2015084	1

ACCEPTED FOR

COUNTY of DANE

8/19/14 (Date) — (Signature_&_Title_of_Official) Commissioner/Director

VILLAGE of CROSS PLAINS

8/20/2014 (Date) — (Signature_&_Title_of_Official) Village Administrator/Clerk

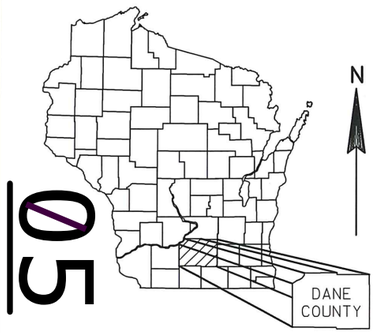
ORIGINAL PLANS PREPARED BY

Mead & Hunt

Mead & Hunt, Inc.
6501 Watts Road
Madison, WI 53719
608.273.6380
fax: 608.273.6391
www.meadhunt.com

WISCONSIN SCOTT A. HASBURGH E-33329 BARNEVELD, WI PROFESSIONAL ENGINEER

8/20/2014

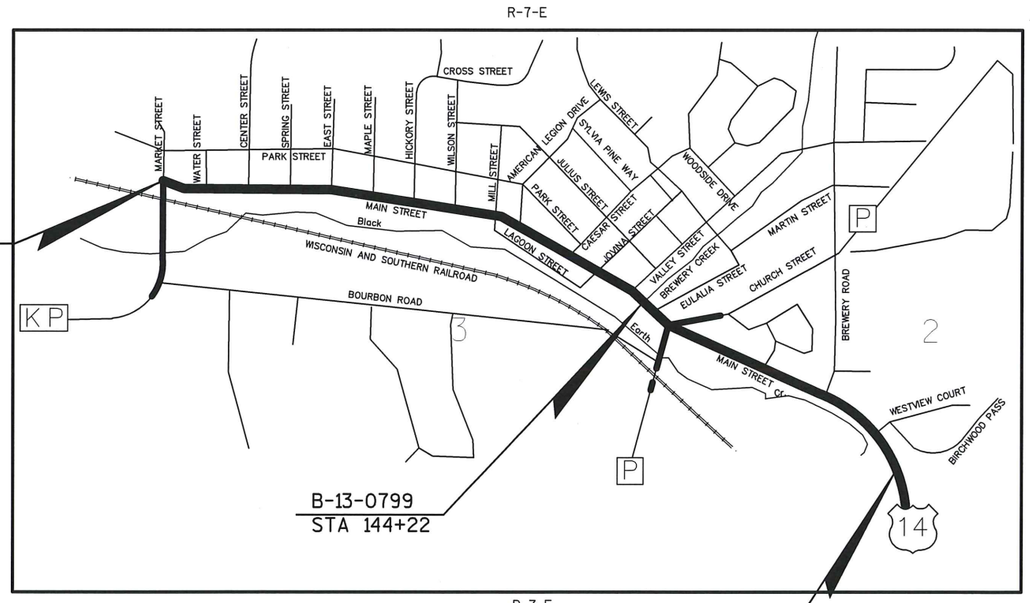


05

DESIGN DESIGNATION

A.A.D.T.	2014	=	12,350
A.A.D.T.	2034	=	17,600
D.H.V.	2034	=	1,760
D.D.		=	60/40
T.		=	7.2%
DESIGN SPEED		=	35 M.P.H.
ESALS		=	2,533,100

BEGIN PROJECT 5310-02-70
STA 104+78.19
Y= 497,439.45
X= 747,507.36
MATCH EXISTING
SAWCUT REQD



END PROJECT 5310-02-70
STA 172+00.00
MATCH EXISTING
SAWCUT REQD

CONVENTIONAL SYMBOLS

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

LAYOUT
SCALE 0 0.1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.271 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY. NAD 83 (2007)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MEAD & HUNT, INC.
Designer	MEAD & HUNT, INC.
Project Manager	LALITHA BALACHANDRAN
Regional Examiner	
Regional Supervisor	WILLIAM STROBEL
C.O. Examiner	JANE ENGLEBRETSEN

APPROVED FOR THE DEPARTMENT

DATE: 8/21/14 William Strobel (Signature)

E

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AP	ACCESS POINT
AR	ACCESS RIGHTS
AC	ACRE
AGG	AGGREGATE
AH	AHEAD
ET AL	AND OTHERS
∠	ANGLE
ASPH	ASPHALTIC
APM	ASPHALTIC PLANT MIX
AVG	AVERAGE
AADT	ANNUAL AVERAGE DAILY TRAFFIC
B & B	BALLED AND BURLAPPED
B & P	BALLED AND POTTED
BK	BACK
BF	BACK FACE
BR	BARE ROOT
BRP	BARE ROOT POTTED
BL or B/L	BASE LINE
BM	BENCH MARK
BLK	BLOCK
BR	BRIDGE
C	CELSIUS
CB	CATCH BASIN
CL or C/L	CENTER LINE
CC	CENTER TO CENTER
Δ	CENTRAL ANGLE OR DELTA
CH	CHORD
CH BRG	CHORD BEARING
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CB#	CONTROL BASE
CORR	CORRUGATED
CACP	CORRUGATED ALUMINUM CULVERT PIPE
CAPA	CORRUGATED ALUMINUM PIPE ARCH
CSCP	CORRUGATED STEEL CULVERT PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CSPCP	CORRUGATED STEEL PIPE CATTLE PASS
CO	COUNTY
CTH	COUNTY TRUNK HIGHWAY
CR	CREEK
CR	CRUSHED
CABC	CRUSHED AGGREGATE BASE COURSE
m3	CUBIC METER
CY or ¢UYD	CUBIC YARD
CULT	CULTIVATED
CULV	CULVERT
CP	CULVERT PIPE
C & G Curb and Gutter	C & G CURB AND GUTTER
(D) Deed	(D) DEED
DEF	DEFORMED
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DD	DIRECTIONAL DISTRIBUTION
DISCH	DISCHARGE
DIST	DISTRICT
DG	DITCH GRADE
DOC	DOCUMENT
DWY	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
EB	EASTBOUND
ELEC	ELECTRIC (AL)
EL or ELEV	ELEVATION
EMB	EMBANKMENT
EOR	END OF RADIUS
EVP	EMERGENCY VEHICLE PREEMPT
EVPR	EMERGENCY VEHICLE PREEMPT RECEIVER
EW	ENDWALL
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EST	ESTATE
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EX or EXIST	EXISTING
EXP	EXPANSION
FF	FACE TO FACE OR FRONT FACE
FP	FENCE POST
FERT	FERTILIZE
FE	FIELD ENTRANCE
F	FILL
FG	FINISH GRADE
FAB	FLASHING ARROW BOARD
FL or F/L Flow	FLOW LINE
FT	FOOT
FTG	FOOTING
FDN	FOUNDATION
FTMS	FREEWAY TRAFFIC MANAGEMENT SYSTEM
G	GARAGE
GN	GRID NORTH
ha	HECTARE
HR	HANDICAP RAMP
HT	HEIGHT
HES	HIGH EARLY STRENGTH
H	HOUSE
CWT	HUNDREDWEIGHT
HYD	HYDRANT
IN DIA	INCH DIAMETER
INTERS	INTERSECTION
I	INTERSECTION ANGLE
INV	INVERT
IP	IRON PIPE OR PIN
JT	JOINT
JCT	JUNCTION
JB#	JUNCTION BOX
kg	KILOGRAM
km	KILOMETER
kPa	KILOPASCAL
LC	LAND CONTRACT
LT	LEFT
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LIN FT or LF	LINEAR FOOT
L	LITER
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MAINT	MAINTENANCE
MGR	MANAGER
MH	MANHOLE
MP	MARKER POST
M	MARSH
ML or M/L	MATCH LINE
MATL	MATERIAL
Mg	MEGAGRAM
MB	MESSAGE BOARD
m	METER
mm	MILLIMETER
MOR	MIDDLE OF RADIUS
NOM	NOMINAL
NRCPSS	NON REINFORCED CONCRETE PIPE STORM SEWER
NC	NORMAL CROWN
NW or N/W	NORMAL WATER
N	N
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
NO	NUMBER
OBLIT	OBLITERATE
OL	OUT LOT
OD	OUTSIDE DIAMETER
PSD	PASSING SIGHT DISTANCE
PAVT	PAVEMENT
B	PEDESTRIAN PUSH BUTTON
PERM	PERMANENT
PLE	PERMANENT LIMITED EASEMENT
PCP	PIPE CATTLE PASS
PU	PIPE UNDERDRAIN
PUDT	PIPE UNDERDRAIN DRAIN
Tile	TILE
PUU	PIPE UNDERDRAIN UNPERFORATED
PT	POINT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
POC	POC
POT	POINT ON TANGENT
PVC	POLYVINYL CHLORIDE
PCC	PORTLAND CEMENT CONCRETE
LB Pound	LB POUND
PSI	POUNDS PER SQUARE INCH
PE	PRIVATE ENTRANCE
PROJ	PROJECT
PL	PROPERTY LINE
PB#	PULL BOX
QCD	QUITCLAIM DEED
R	RADIUS
RP	RADIUS POINT
RR	RAILROAD
RY	RAILWAY
RM	RAMP METER
R	RANGE
RECY	RECYCLED
RL or R/L	REFERENCE LINE
RP	REFERENCE POINT
RCCP	REINFORCED CONCRETE CULVERT PIPE
Culvert Pipe	CULVERT PIPE
RCHECP	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RCPCP	REINFORCED CONCRETE PIPE CATTLE PASS
RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
REBAR	REINFORCEMENT BAR
REINF	REINFORCING OR REINFORCEMENT
REL	RELOCATE (D)
REM	REMAINING
REP	REPRESENTATIVE
REQD	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RW	RETAINING WALL
RT	RIGHT
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RD	ROAD
RDWY	ROADWAY
SALV	SALVAGED
SSS	SANITARY AND STORM SEWER
SAN S	SANITARY SEWER
SEC	SECTION
SHLDR	SHOULDER
SHR	SHRINKAGE
SW	SIDEWALK
SB#	SIGNAL BASE
S	SOUTH
SB	SOUTHBOUND
SP	SPECIAL
SC	SPECIAL CROSSING
SPECS	SPECIFICATIONS
SQ	SQUARE
SF or SQ FT	SQUARE FEET
m2	SQUARE METER
SY or SQ YD	SQUARE YARD
STD	STANDARD
SDD	STANDARD DETAIL DRAWINGS
STH	STATE TRUNK HIGHWAYS
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SS	STORM SEWER
SPP	STRUCTURAL PLATE PIPE
SPPA	STRUCTURAL PLATE PIPE ARCH
STR	STRUCTURE OR STRUCTURAL
SUBD	SUBDIVISION
SE	SUPERELEVATION
SURF	SURFACE
SL or S/L	SURVEY LINE
T	TANGENT
TEL	TELEPHONE
TEMP	TEMPORARY
TI	TEMPORARY INTEREST
TLE	TEMPORARY LIMITED EASEMENT
TPM	TEMPORARY PAVEMENT MARKING
TPMRT	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE
MBM	THOUSAND FEET BOARD
Measure	MEASURE
t	TON
TC	TOP OF CURB
T or TN	TOWN
TRANS	TRANSITION
TL or T/L	TRANSIT LINE
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
UG	UNDERGROUND
USH	UNITED STATES HIGHWAY
VAR	VARIABLE
V	VELOCITY OR DESIGN SPEED
VERT	VERTICAL
VC	VERTICAL CURVE
VPCC	VERTICAL POINT OF COMPOUND
Curve	CURVE
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVE
VPT	VERTICAL POINT OF TANGENCY
VIT	VITRIFIED
VOL	VOLUME
W	WATER
WM	WATER MAIN
WV	WATER VALVE
W	WELL
W	WEST
WB	WESTBOUND
YD	YARD

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAIL
PAVING DETAIL
EROSION CONTROL
STORM SEWER
SIGNING DETAIL
TRAFFIC SIGNAL DETAIL
PAVEMENT MARKING DETAILS
TRAFFIC CONTROL AND CONSTRUCTION STAGING
ALIGNMENT DETAILS

CONSULTANT CONTACT
MEAD & HUNT, INC.
6501 WATTS ROAD
MADISON, WI 53719-2700

ATTN: MR. SCOTT HASBURGH, P.E.
TELEPHONE: 608-273-6380
E-MAIL: scott.hasburgh@meadhunt.com

DNR LIAISON
DEPARTMENT OF NATURAL RESOURCES
SOUTH CENTRAL DISTRICT
3911 SOUTH FISH HATCHERY ROAD
FITCHBURG, WI 53711

ATTN: MR. ERIC HEGGELUND
TELEPHONE: 608-275-3301
E-MAIL: Eric.Heggelund@wisconsin.gov

DANE COUNTY HIGHWAY DEPARTMENT
DANE COUNTY HIGHWAY DEPARTMENT
2302 FISH HATCHERY ROAD
MADISON, WI 53713

ATTN: MS. PAM DUNPHY, P.E.
TELEPHONE: 608-266-4036
E-MAIL: dunphy@countyofdane.com

UTILITY CONTACTS

CHARTER
COMMUNICATION
ATTN: MR. RANDY LETTMAN
2701 DANIELS ST
MADISON, WI 53718

TELEPHONE: 608-274-3822 EXT.6651
CELL: 608-575-6415
E-MAIL:Randall.Lettman@charter.com

MADISON GAS & ELECTRIC
ELECTRIC
ATTN: MR.RICH PARKER
133 S. BLAIR ST.
MADISON, WI 53703

TELEPHONE:608-252-7379
CELL: 608-444-9619
E-MAIL: Rparker@mge.com

GALACTIC WIND
ATTN: MR. ED ENGLERT
1390 GATEWAY BLVD.
BELOIT, WI 53511-9799

TELEPHONE:608-856-7229
CELL: 815-378-6125
E-MAIL: eenglert@themorsegroup.com

TDS TELECOM (MID PLAINS)
ATTN: MR. TODD ELLICKSON
525 JUNCTION ROAD
MADISON, WI 53717

TELEPHONE: 608-664-1234
CELL: 608-664-4419
E-MAIL: todd.ellickson@tdstelecom.com

MADISON GAS & ELECTRIC
GAS
ATTN: MR. STEVE BEVERSDORF
133 S. BLAIR ST.
MADISON, WI 53703
TELEPHONE: 608-252-1552
CELL: 608-444-9620
E-MAIL: Sbeversdorf@mge.com

VILLAGE OF CROSS PLAINS
WATER & SEWER
ATTN: MR. JERRY GRAY
2107 JULIUS STREET
CROSS PLAINS, WI 53528

TELEPHONE: 608-798-3241 x109
E-MAIL: jerry@cross-plains.wi.us

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

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO NAVD 88 (2007).

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE LOCATION 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.

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

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED OR SODDED. FINISHED SODDED/AND/SEEDED SURFACE SHALL BE 1-INCH BELOW THE TOP OF ADJACENT CONCRETE.

BEARINGS SHOWN ON THE PLANS ARE TRUE BEARINGS TO THE NEAREST SECOND.

THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

CONSTRUCT INSIDE EDGE OF SIDEWALK ¼ INCH HIGHER THAN THE TOP OF CURB, WHEN THEY ARE ADJACENT TO EACH OTHER.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

TOP OF CASTING ELEVATIONS SHOWN FOR INLETS REFER TO THE CASTING ELEVATION AT THE FRONT EDGE OF CASTING.

CONSTRUCTION PERMITS FOR SIDEWALK AND/OR DRIVEWAY CONSTRUCTION HAVE BEEN OBTAINED AND SUCH RIGHTS WILL BE EXTENDED TO THE CONTRACTOR.

ALL STORM SEWER INVERTS, ELEVATIONS, PIPE LENGTHS, AND GRADES ARE COMPUTED CENTER-TO-CENTER OF STRUCTURES.

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

ASPHALTIC SURFACE/HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYER THICKNESSES:

	PAVEMENT THICKNESS (INCH)	LOWER (INCH)	NOM AGG SIZE (mm)	LOWER (INCH)	NOM AGG SIZE (mm)	UPPER (INCH)	NOM AGG SIZE (mm)
	5.75	2.25+	19	1.75+	12.5	1.75x	12.5
	2.00	----	----	----	----	2.00	12.5
TEMP	6.00	2.25	19	2.00	19	1.75	12.5
	4.00	2.25	19	----	----	1.75	12.5

\+ = ASPHALTIC MATERIAL PG58-28
x = ASPHALTIC MATERIAL PG64-28

CURB RAMP TYPES ARE SHOWN ON INTERSECTION DETAILS.

SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN PLACE PRIOR TO BRIDGE REMOVAL.

EXISTING PIPE CULVERT AND/OR CONCRETE BOX CULVERT SIZES SHOWN ARE APPROXIMATE AND THE CONTRACTOR SHALL BASE ITS BID ON ACTUAL FIELD CONDITIONS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS.

THE ENGINEER SHALL CONFIRM THE LOCATION OF EROSION CONTROL ITEMS.

ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. AT THAT TIME, THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION CONTROL ITEM INCIDENTAL TO THE COST OF THE RESPECTIVE BID ITEM.

NO EQUIPMENT OR MATERIALS SHALL BE STORED OR IMPACT ANY WETLANDS OR WATERWAYS.

2

2

N

BEGIN PROJECT 5310-02-70
STA 104+78.19

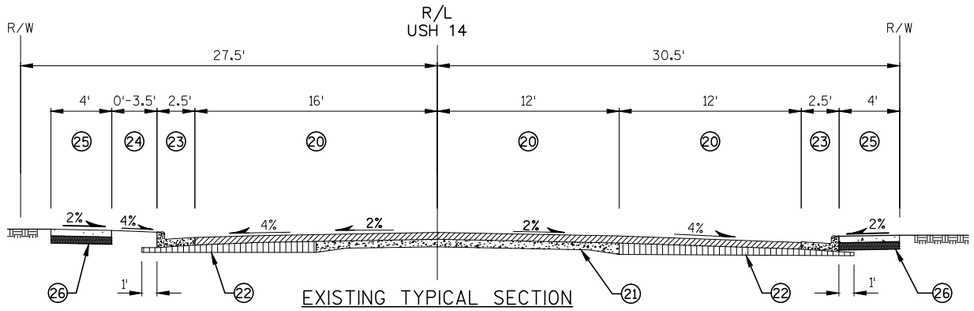
B-13-0799
STA 144+22

END PROJECT 5310-02-70
STA 172+00.00

END CONSTRUCTION
STA 172+75.00

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PROJECT OVERVIEW	SHEET 4 E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\USH 14\020201_PO.DWG PLOT DATE : 8/25/2014 3:09 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1 IN:400 FT

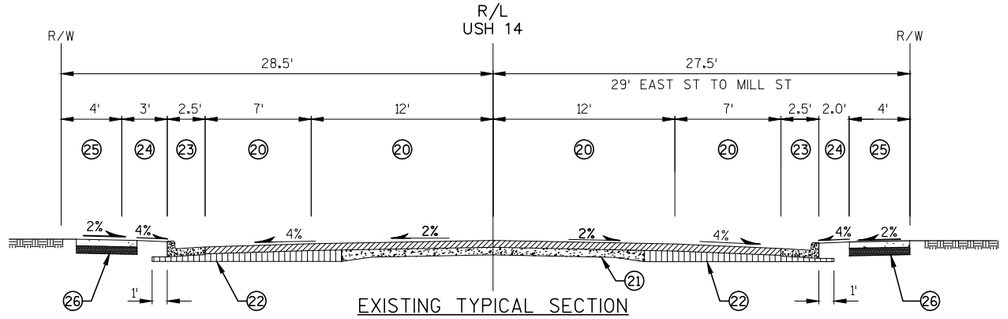


EXISTING TYPICAL SECTION

USH 14

STA 104+89 TO STA 111+08

CTH KP TO CENTER STREET

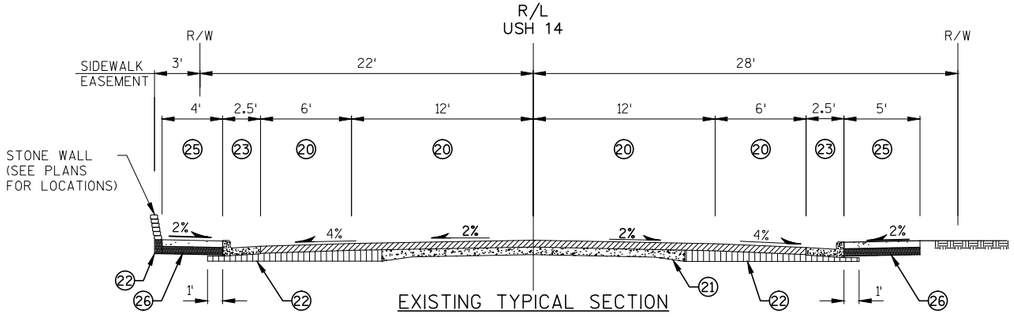


EXISTING TYPICAL SECTION

USH 14

STA 111+08 TO STA 130+61

CENTER STREET TO MILL STREET

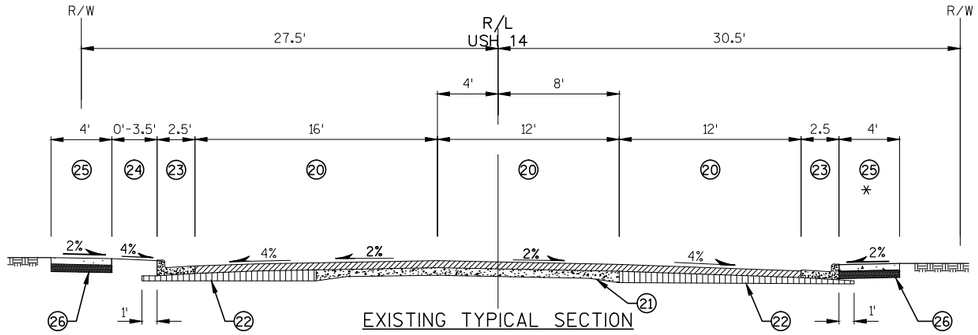


EXISTING TYPICAL SECTION

USH 14

STA 130+61 TO STA 142+54

MILL STREET TO VALLEY STREET



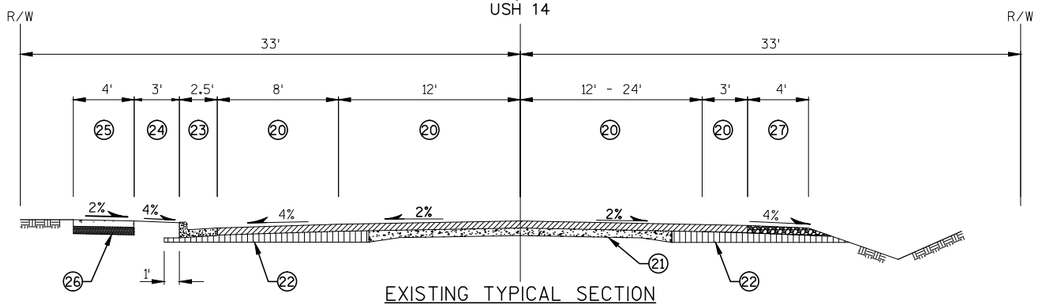
EXISTING TYPICAL SECTION

USH 14

STA 142+54 TO STA 149+25

VALLEY STREET TO CTH P

* END SIDEWALK RIGHT STA 144+55 TO STA 147+34

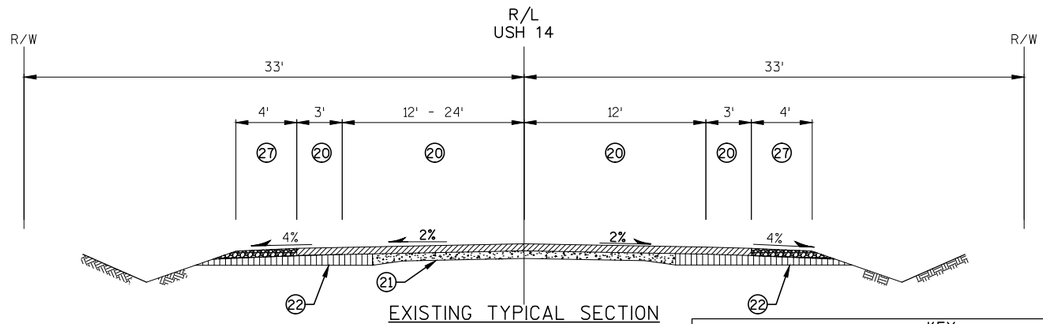


EXISTING TYPICAL SECTION

USH 14

STA 149+25 TO STA 160+60

CTH P TO WESTVIEW COURT



EXISTING TYPICAL SECTION

USH 14

STA 160+60 TO STA 172+00

KEY

20 EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE

21 EXISTING 6½" - 9" CONCRETE PAVEMENT

22 EXISTING CRUSHED AGGREGATE

23 EXISTING CONCRETE CURB & GUTTER

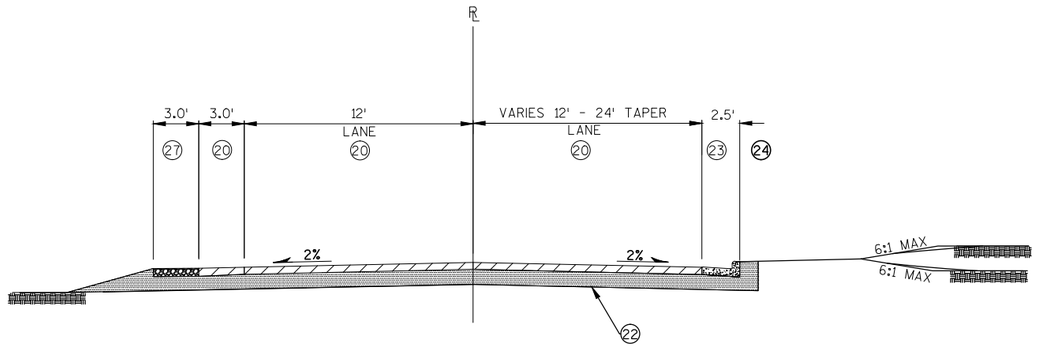
24 EXISTING TERRACE

25 EXISTING 4" - 6" CONCRETE SIDEWALK

26 EXISTING 6" AGGREGATE BASE

27 EXISTING SHOULDER CRUSHED AGGREGATE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E



EXISTING TYPICAL SECTION

CTH KP

BOURBON ROAD TO BLACK EARTH CREEK BRIDGE

KEY

20 EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE

21 EXISTING 6½" - 9" CONCRETE PAVEMENT

22 EXISTING CRUSHED AGGREGATE

23 EXISTING CONCRETE CURB & GUTTER

24 EXISTING TERRACE

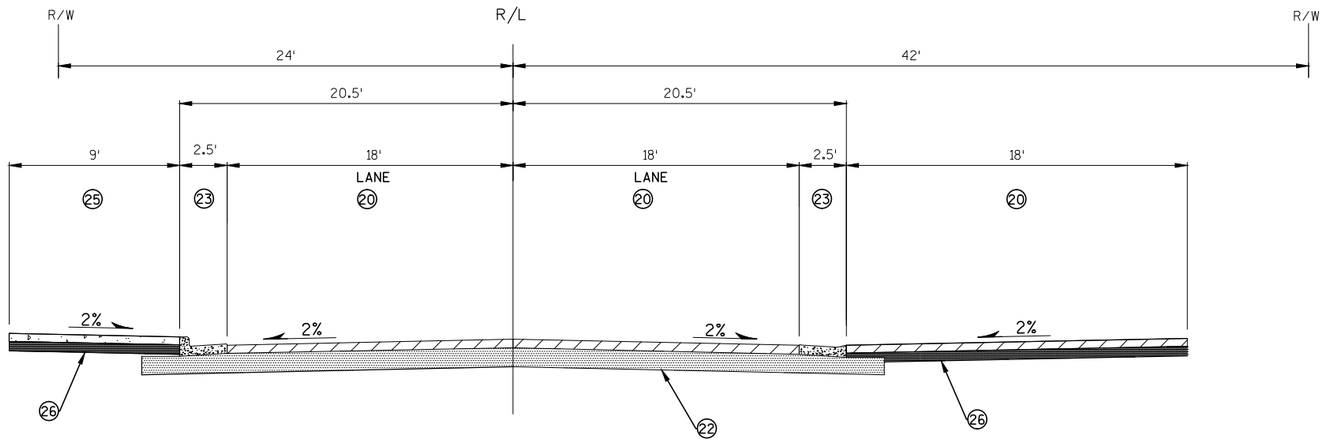
25 EXISTING 4" - 6" CONCRETE SIDEWALK

26 EXISTING 6" AGGREGATE BASE

27 EXISTING SHOULDER CRUSHED AGGREGATE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 6	E

2



EXISTING TYPICAL SECTION

WATER STREET

KEY

20 EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE

21 EXISTING 6½" - 9" CONCRETE PAVEMENT

22 EXISTING CRUSHED AGGREGATE

23 EXISTING CONCRETE CURB & GUTTER

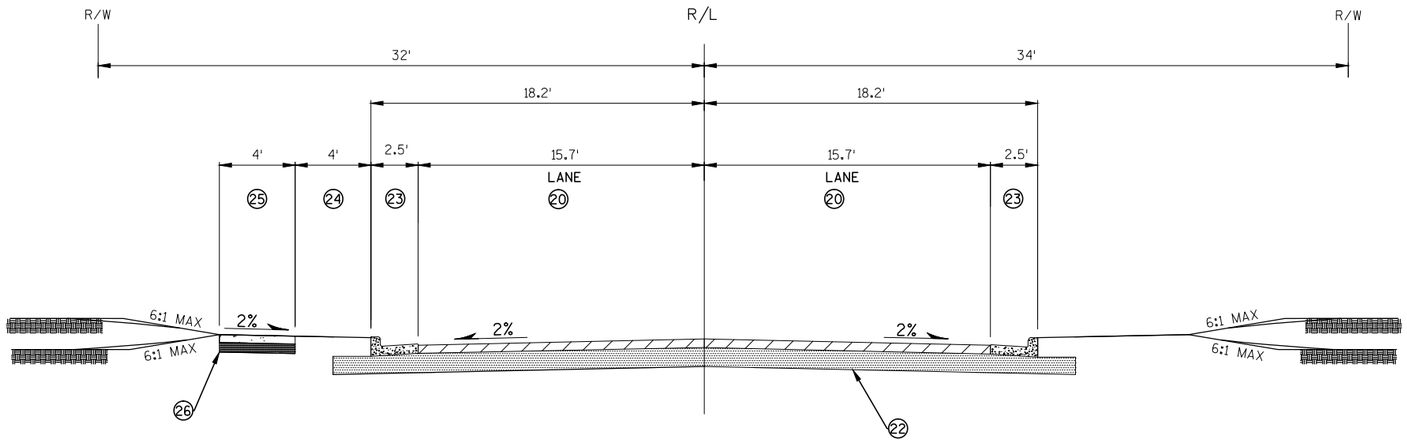
24 EXISTING TERRACE

25 EXISTING 4" - 6" CONCRETE SIDEWALK

26 EXISTING 6" AGGREGATE BASE

27 EXISTING SHOULDER CRUSHED AGGREGATE

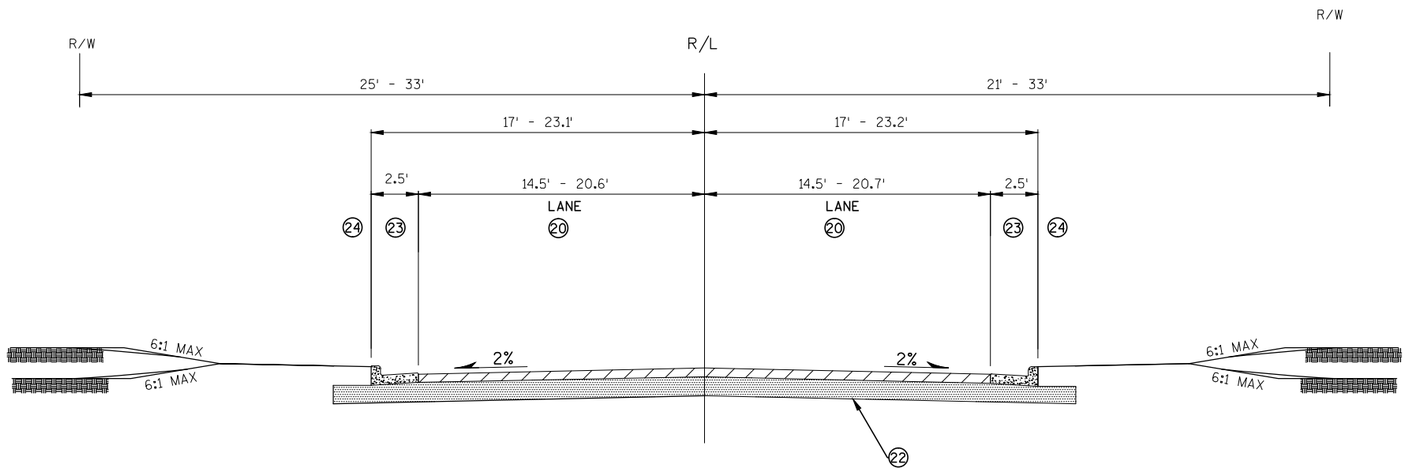
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 7	E



EXISTING TYPICAL SECTION
CENTER STREET

KEY

(20) EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE
(21) EXISTING 6½" - 9" CONCRETE PAVEMENT
(22) EXISTING CRUSHED AGGREGATE
(23) EXISTING CONCRETE CURB & GUTTER
(24) EXISTING TERRACE
(25) EXISTING 4" - 6" CONCRETE SIDEWALK
(26) EXISTING 6" AGGREGATE BASE
(27) EXISTING SHOULDER CRUSHED AGGREGATE



EXISTING TYPICAL SECTION

SPRING STREET
EAST STREET
MAPLE STREET
HICKORY STREET
JOVINA STREET
VALLEY STREET
EULALIA STREET
GLACIER'S EDGE PLAZA
WESTVIEW COURT

KEY

(20) EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE

(21) EXISTING 6½" - 9" CONCRETE PAVEMENT

(22) EXISTING CRUSHED AGGREGATE

(23) EXISTING CONCRETE CURB & GUTTER

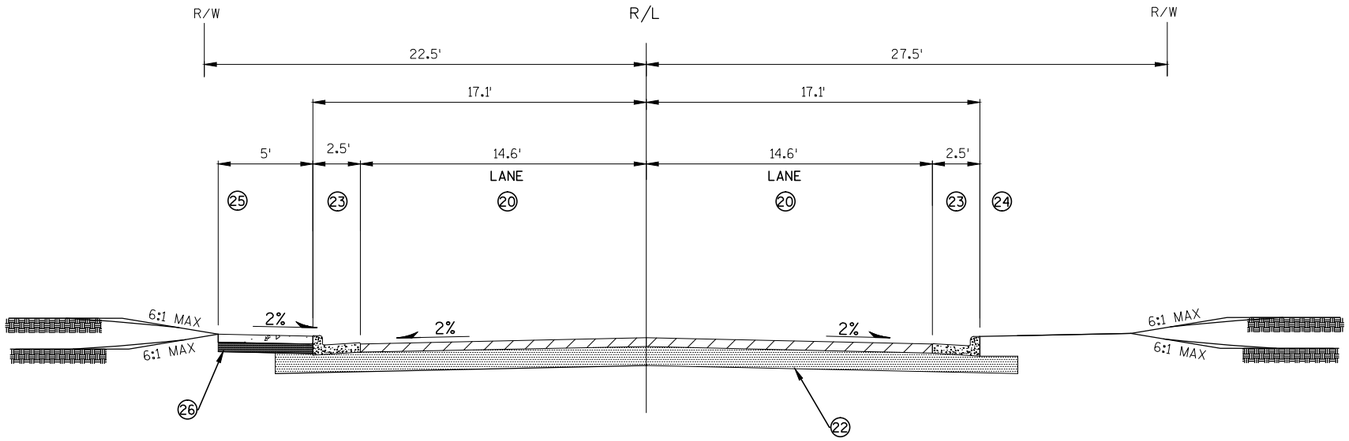
(24) EXISTING TERRACE

(25) EXISTING 4" - 6" CONCRETE SIDEWALK

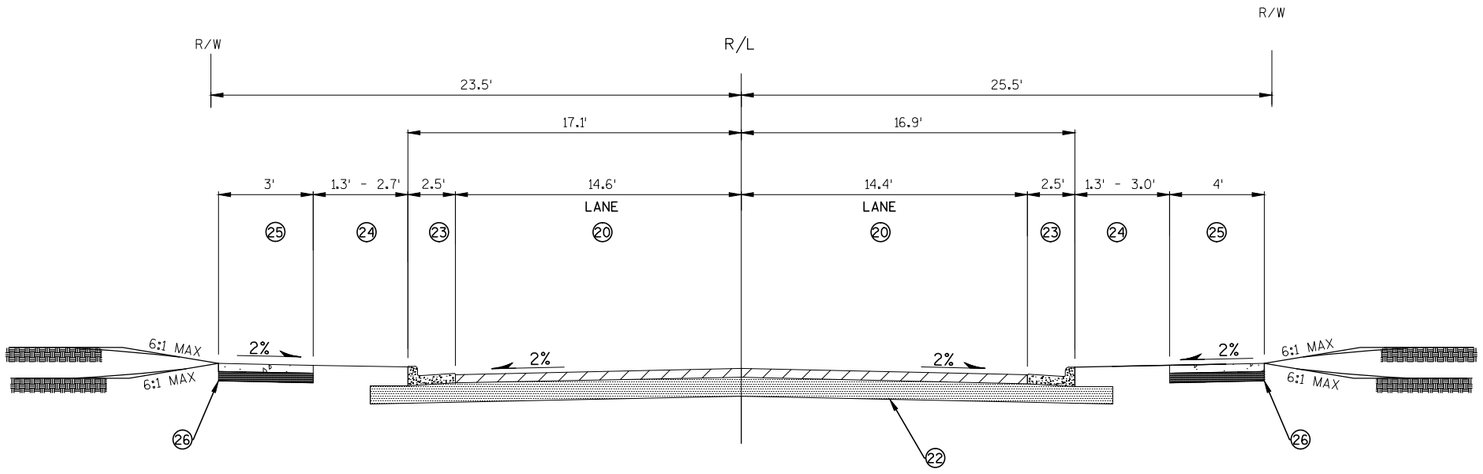
(26) EXISTING 6" AGGREGATE BASE

(27) EXISTING SHOULDER CRUSHED AGGREGATE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E



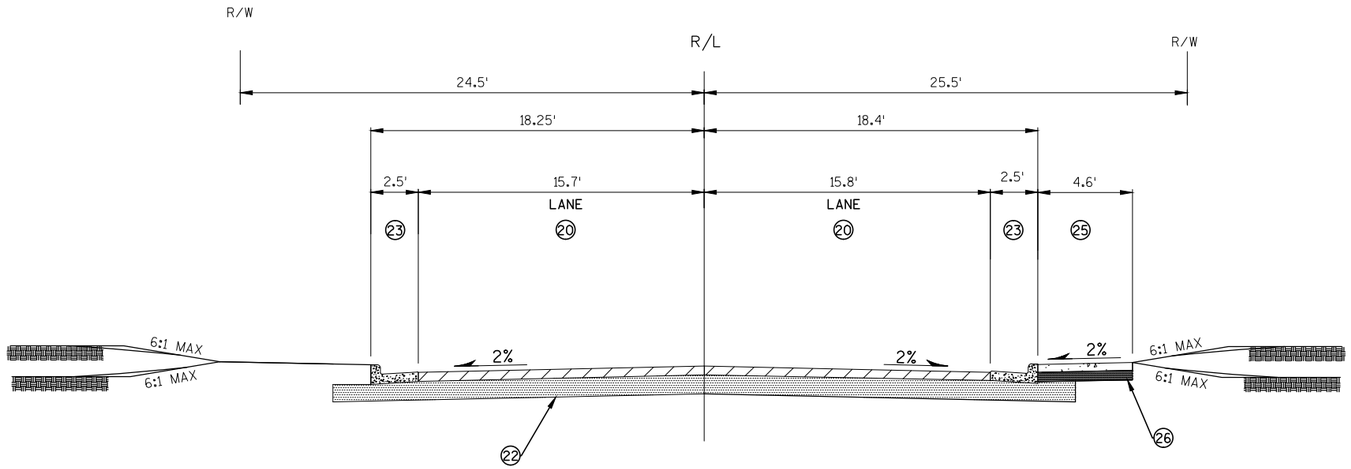
EXISTING TYPICAL SECTION
WILSON STREET



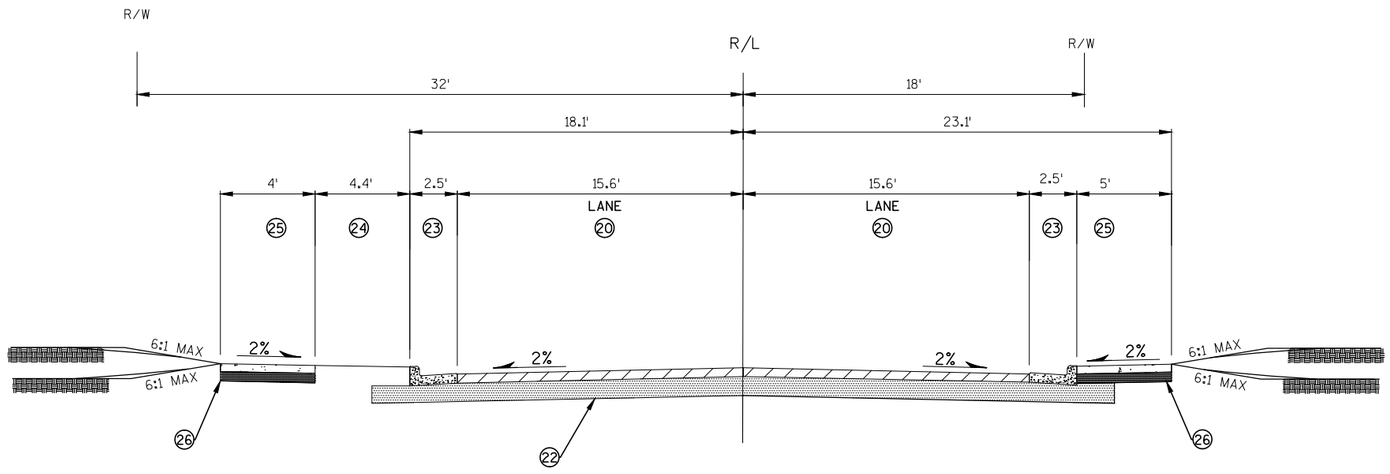
EXISTING TYPICAL SECTION
MILL STREET

KEY

- (20) EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE
- (21) EXISTING 6½" - 9" CONCRETE PAVEMENT
- (22) EXISTING CRUSHED AGGREGATE
- (23) EXISTING CONCRETE CURB & GUTTER
- (24) EXISTING TERRACE
- (25) EXISTING 4" - 6" CONCRETE SIDEWALK
- (26) EXISTING 6" AGGREGATE BASE
- (27) EXISTING SHOULDER CRUSHED AGGREGATE



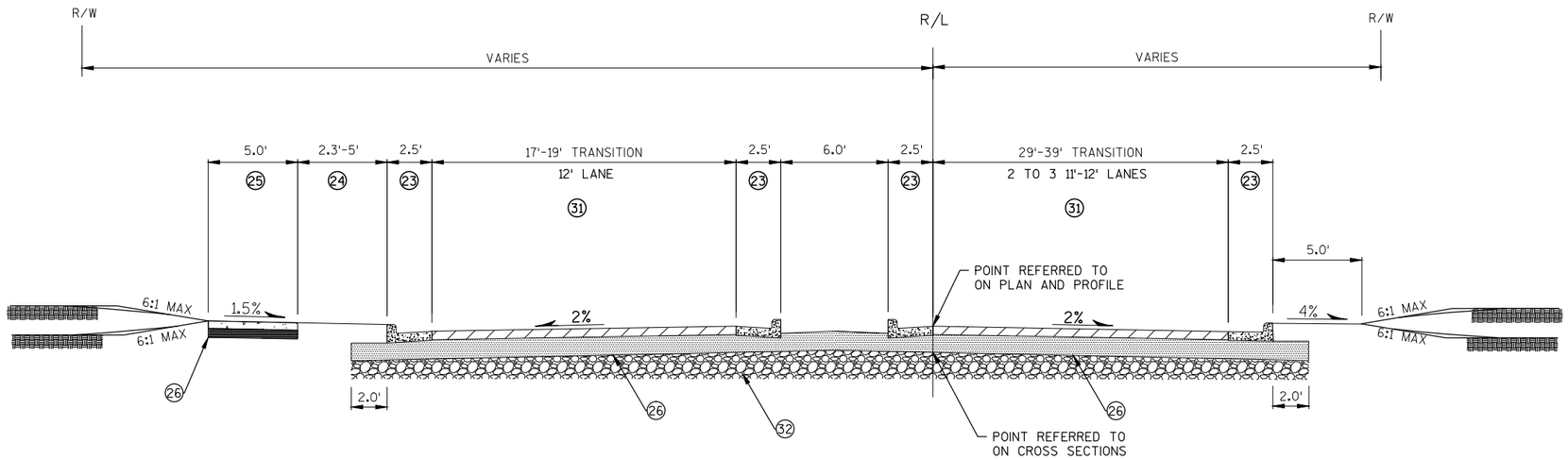
EXISTING TYPICAL SECTION
AMERICAN LEGION DRIVE



EXISTING TYPICAL SECTION
CAESAR STREET

KEY

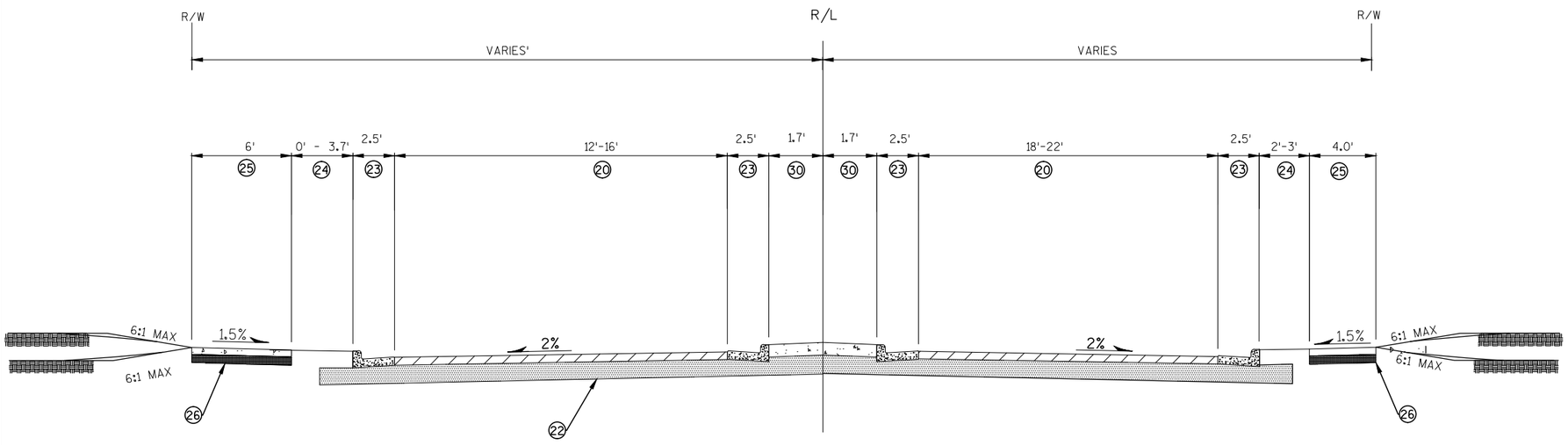
- (20) EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE
- (21) EXISTING 6½" - 9" CONCRETE PAVEMENT
- (22) EXISTING CRUSHED AGGREGATE
- (23) EXISTING CONCRETE CURB & GUTTER
- (24) EXISTING TERRACE
- (25) EXISTING 4" - 6" CONCRETE SIDEWALK
- (26) EXISTING 6" AGGREGATE BASE
- (27) EXISTING SHOULDER CRUSHED AGGREGATE



EXISTING TYPICAL SECTION

CTH P

STA 13+37.10'P' TO STA 14+45.91'P'



EXISTING TYPICAL SECTION

CTH P

STA 15+41'P' TO STA 16+76'P'

KEY

20 EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE

21 EXISTING 6½" - 9" CONCRETE PAVEMENT

22 EXISTING CRUSHED AGGREGATE

23 EXISTING CONCRETE CURB & GUTTER

24 EXISTING TERRACE

25 EXISTING 4" - 6" CONCRETE SIDEWALK

26 EXISTING 4" - 8" AGGREGATE BASE

27 EXISTING SHOULDER CRUSHED AGGREGATE

28 5¾" HMA PAVEMENT

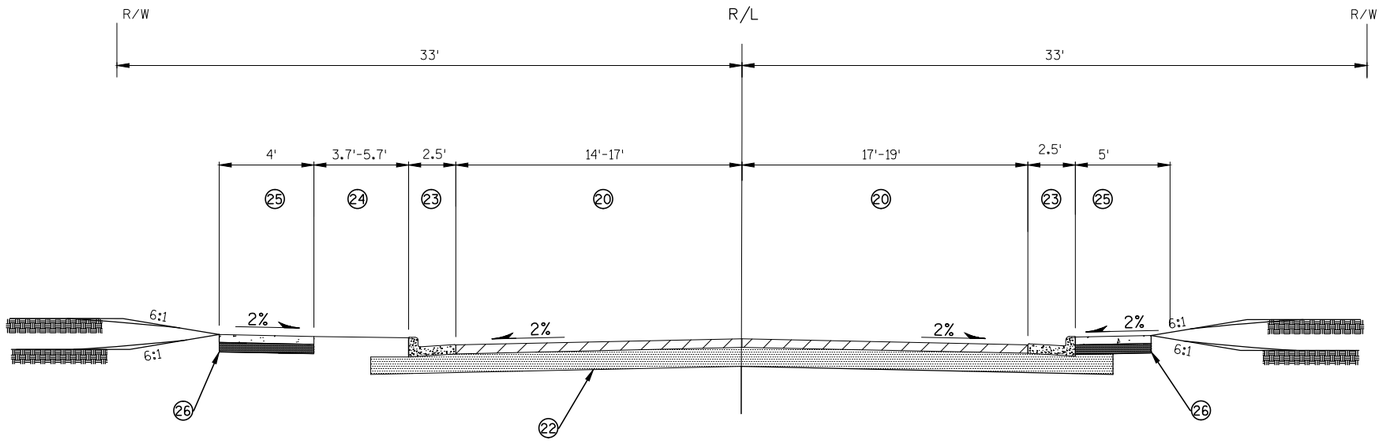
29 12" BASE AGGREGATE

30 CONCRETE MEDIAN

31 8" CONCRETE PAVEMENT

32 12" - 18" SELECT CRUSHED MATERIAL

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 12	E

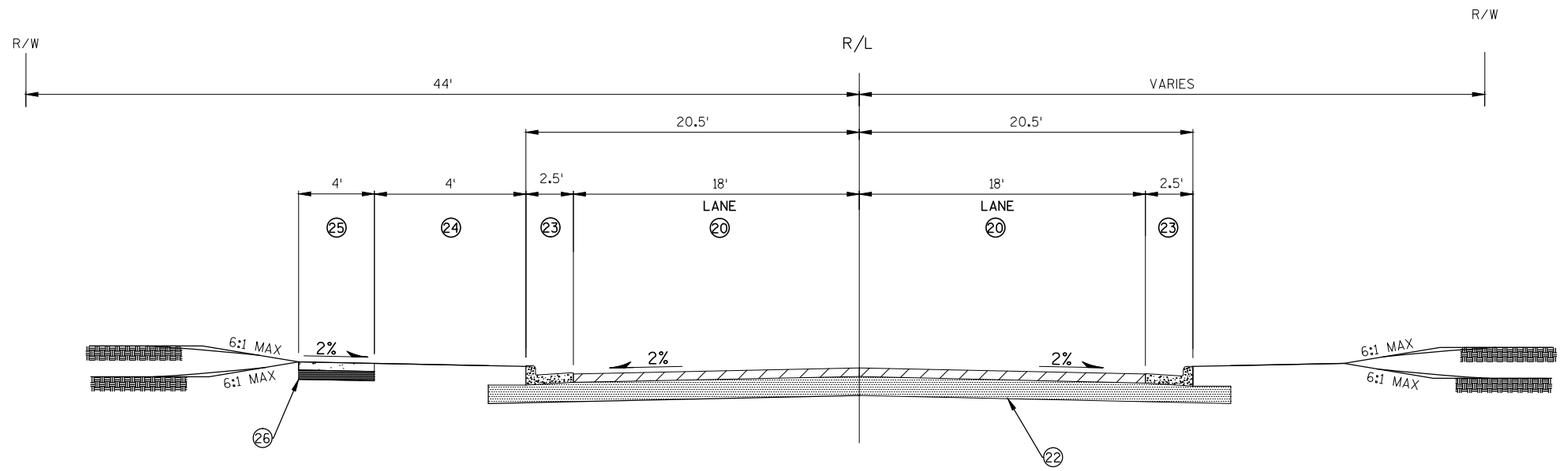


EXISTING TYPICAL SECTION
CTH P
STA 16+76'P' TO STA 17+43'P'

KEY

(20) EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE
(21) EXISTING 6½" - 9" CONCRETE PAVEMENT
(22) EXISTING CRUSHED AGGREGATE
(23) EXISTING CONCRETE CURB & GUTTER
(24) EXISTING TERRACE
(25) EXISTING 4" - 6" CONCRETE SIDEWALK
(26) EXISTING 6" AGGREGATE BASE
(27) EXISTING SHOULDER CRUSHED AGGREGATE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 13	E



EXISTING TYPICAL SECTION

BREWERY ROAD

KEY

20 EXISTING 2½" - 7¼" RECYCLED ASPHALT SURFACE

21 EXISTING 6½" - 9" CONCRETE PAVEMENT

22 EXISTING CRUSHED AGGREGATE

23 EXISTING CONCRETE CURB & GUTTER

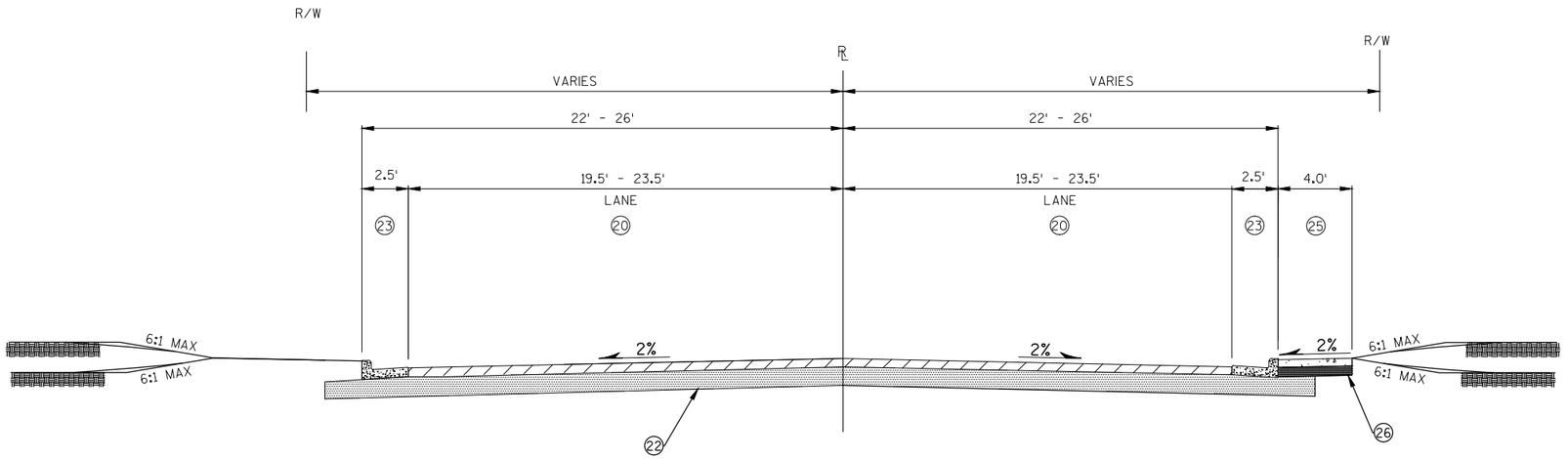
24 EXISTING TERRACE

25 EXISTING 4" - 6" CONCRETE SIDEWALK

26 EXISTING 6" AGGREGATE BASE

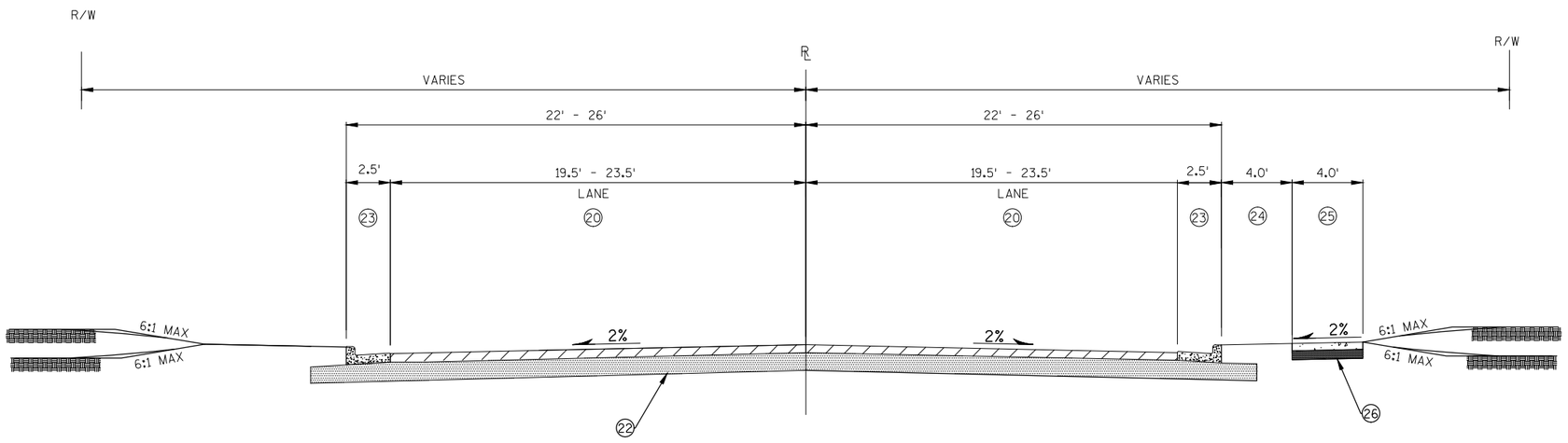
27 EXISTING SHOULDER CRUSHED AGGREGATE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 14	E



EXISTING TYPICAL SECTION

BOURBON ROAD
CTH KP - LUDDEN DRIVE
STA 72+91'0' TO STA 79+00'0'

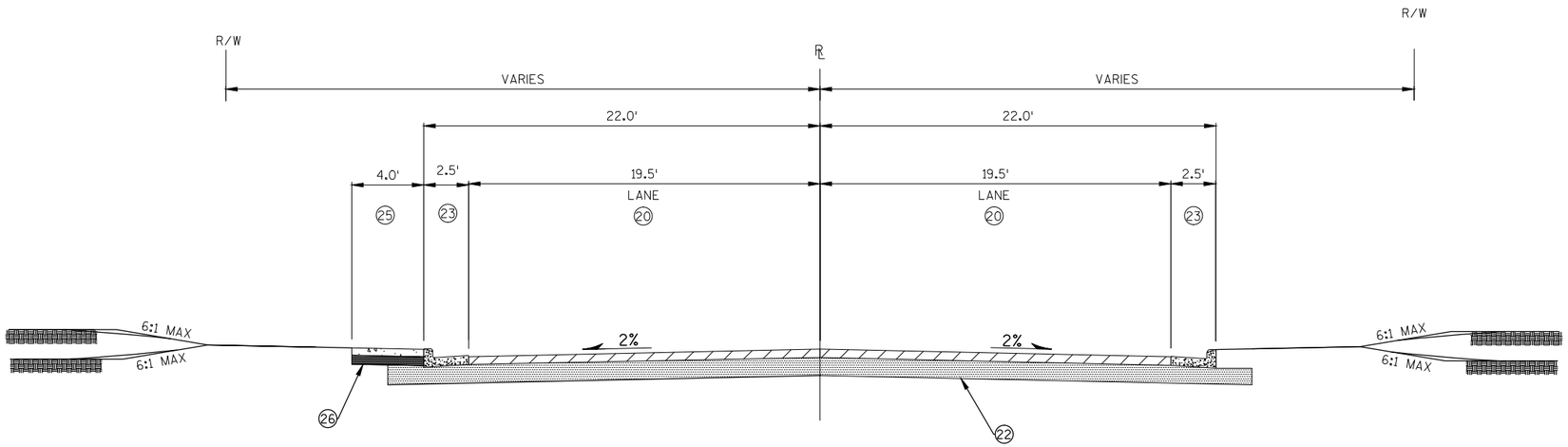


EXISTING TYPICAL SECTION

BOURBON ROAD
LUDDEN DRIVE TO HILLEBRAND DRIVE
STA 79+00'0' TO STA 96+00'0'

KEY

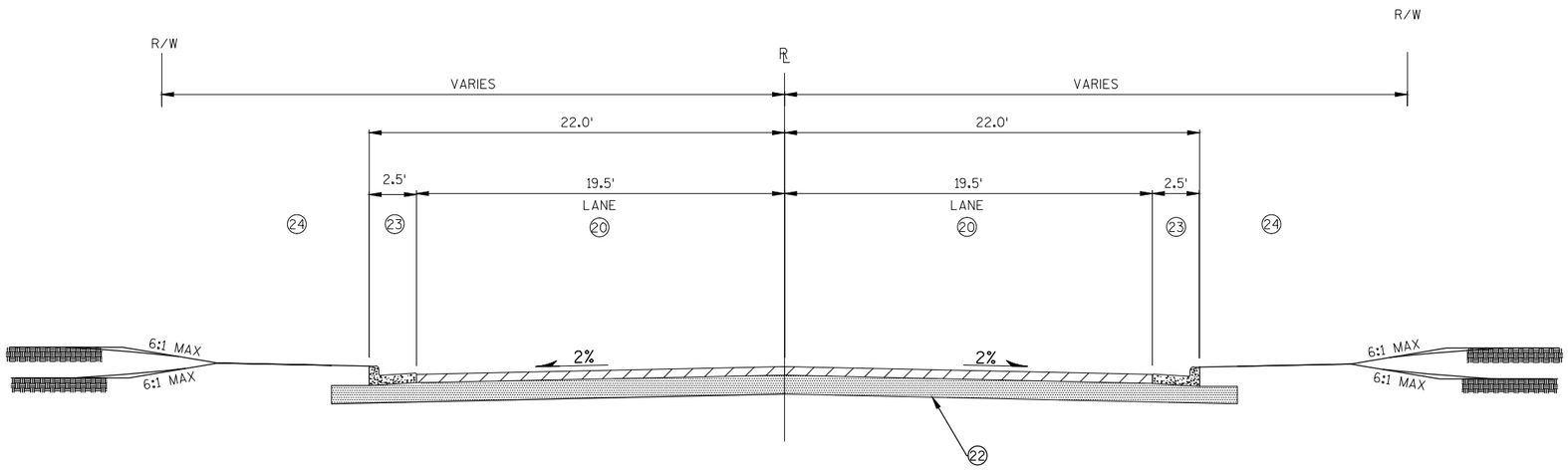
- (20) EXISTING 4½" ASPHALTIC PAVEMENT
- (21) MILL AND OVERLAY - 2" HMA
- (22) EXISTING 6½" - 9" CONCRETE PAVEMENT
- (23) EXISTING CONCRETE CURB & GUTTER
- (24) EXISTING TERRACE
- (25) EXISTING 3" - 6" CONCRETE SIDEWALK
- (26) EXISTING 3" AGGREGATE BASE
- (27) EXISTING SHOULDER CRUSHED AGGREGATE



EXISTING TYPICAL SECTION

BOURBON ROAD

HILLEBRAND DRIVE TO WSOR
STA 95+65'0' - STA 107+85'0'



EXISTING TYPICAL SECTION

BOURBON ROAD

WSOR TO CTH P
STA 107+85'0' - STA 112+17'0'

KEY

20 EXISTING 2 1/2" - 7 1/4" RECYCLED ASPHALT SURFACE

21 EXISTING 6 1/2" - 9" CONCRETE PAVEMENT

22 EXISTING CRUSHED AGGREGATE

23 EXISTING CONCRETE CURB & GUTTER

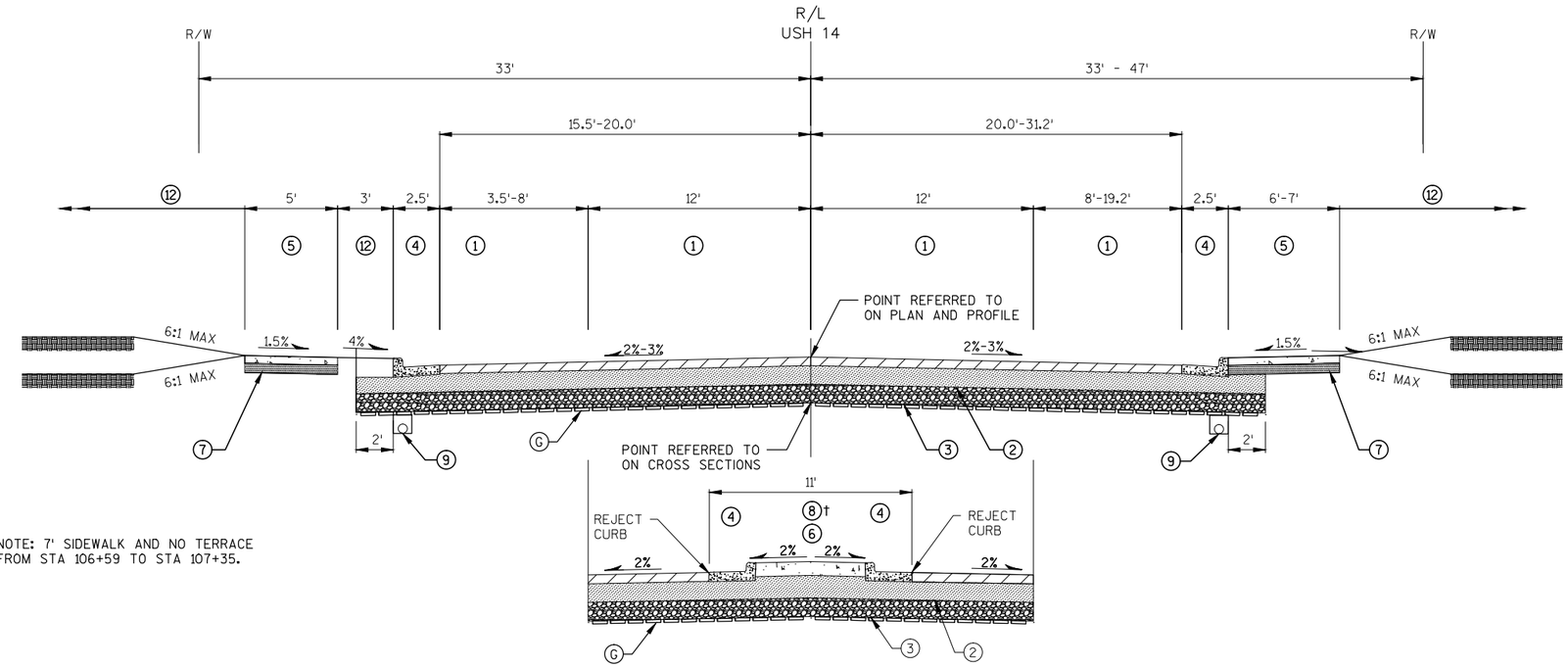
24 EXISTING TERRACE

25 EXISTING 4" - 6" CONCRETE SIDEWALK

26 EXISTING 6" AGGREGATE BASE

27 EXISTING SHOULDER CRUSHED AGGREGATE

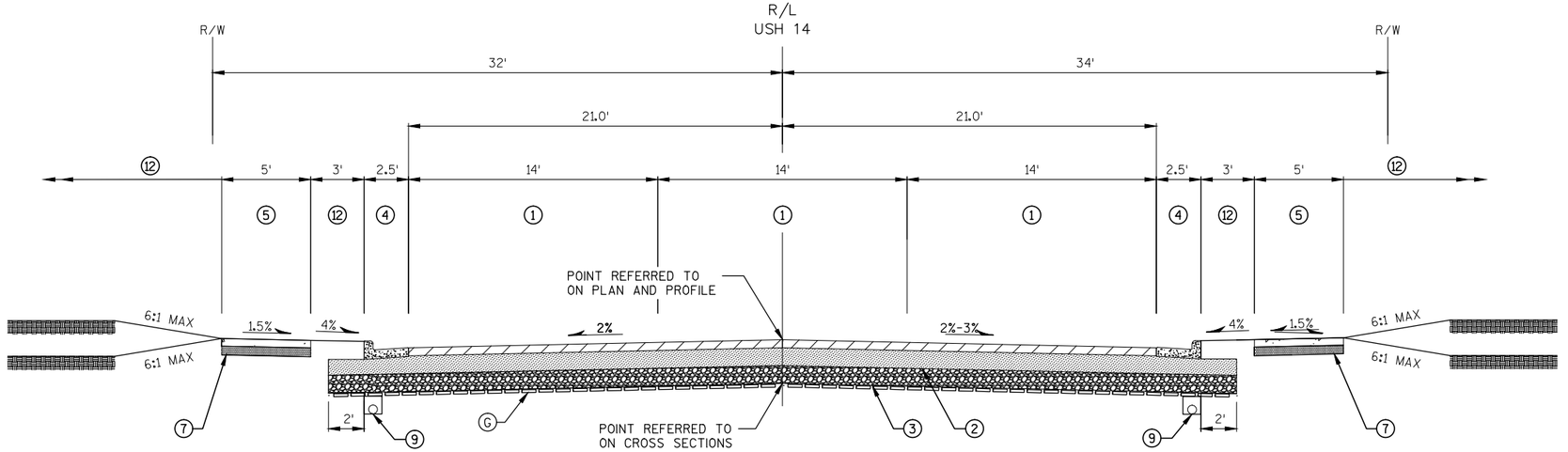
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 16	E



NOTE: 7' SIDEWALK AND NO TERRACE
FROM STA 106+59 TO STA 107+35.

FINISHED TYPICAL SECTION

USH 14
STA 104+78.19 TO STA 108+73
CTH KP TO WATER STREET
CONCRETE MEDIAN
STA 108+13 TO STA 109+72



NOTE: 3' CONCRETE TERRACE AND 4'
SIDEWALK FROM STA 108+73 TO STA 109+29.

FINISHED TYPICAL SECTION

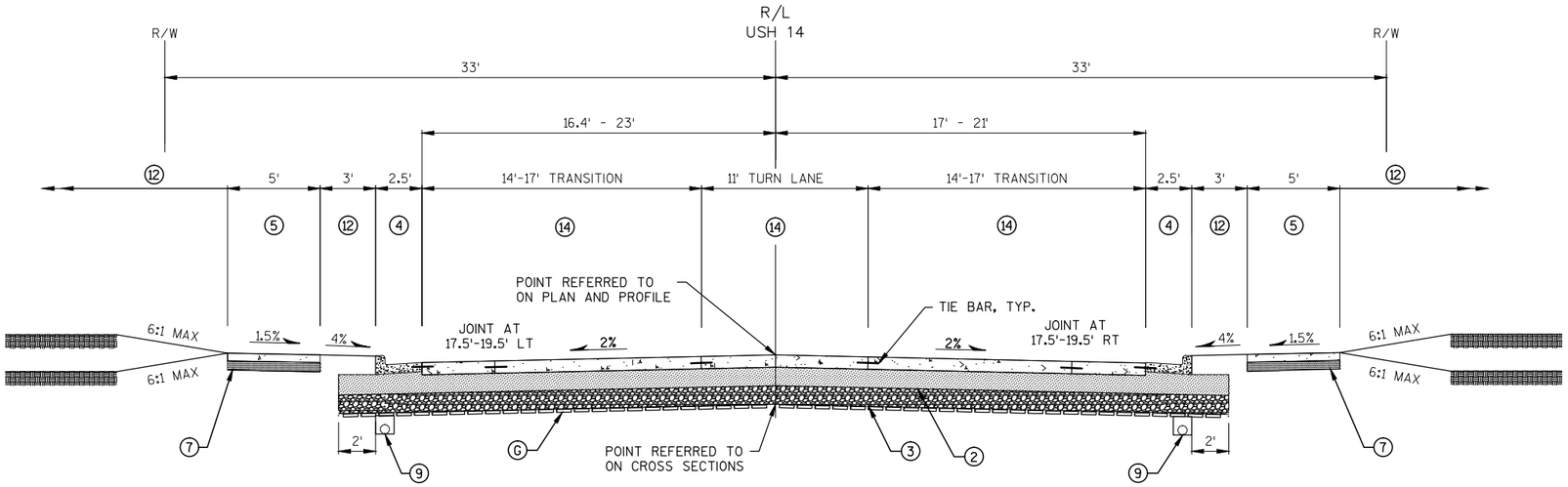
USH 14
STA 108+73 TO STA 126+75
WATER STREET TO WILSON STREET

† = COLORED AND STAMPED CONCRETE

†† = CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE TAN

KEY

① 5¾" HMA PAVEMENT TYPE E-3
② 12" BASE AGGREGATE DENSE 1¼-INCH
③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID
④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D
⑤ CONCRETE SIDEWALK 4-INCH
⑥ 6" BASE AGGREGATE DENSE 1¼-INCH
⑦ 4" BASE AGGREGATE DENSE 1¼-INCH
⑧ CONCRETE MEDIAN
⑨ PIPE UNDERDRAIN 6-INCH
⑩ TOPSOIL
⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
⑫ SOD LAWN, 4-INCH TOPSOIL
⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID
⑭ CONCRETE PAVEMENT 8-INCH
⑮ 4" BASE AGGREGATE DENSE ¾-INCH
Ⓖ GEOGRID REINFORCEMENT



FINISHED TYPICAL SECTION

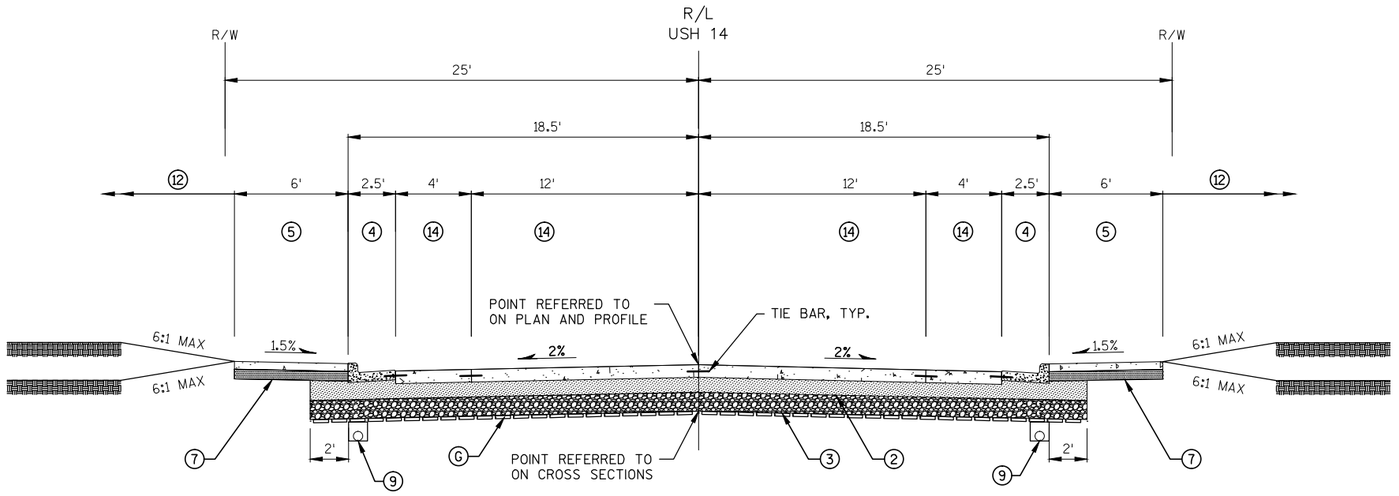
USH 14

STA 126+75 TO STA 130+47

WILSON STREET TO MILL STREET

† = COLORED AND STAMPED CONCRETE

†† = CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE TAN



FINISHED TYPICAL SECTION

USH 14

STA 130+47 TO STA 137+87

MILL STREET TO JOVINA STREET

KEY

① 5¾" HMA PAVEMENT TYPE E-3

② 12" BASE AGGREGATE DENSE 1¼-INCH

③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID

④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D

⑤ CONCRETE SIDEWALK 4-INCH

⑥ 6" BASE AGGREGATE DENSE 1¼-INCH

⑦ 4" BASE AGGREGATE DENSE 1¼-INCH

⑧ CONCRETE MEDIAN

⑨ PIPE UNDERDRAIN 6-INCH

⑩ TOPSOIL

⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A

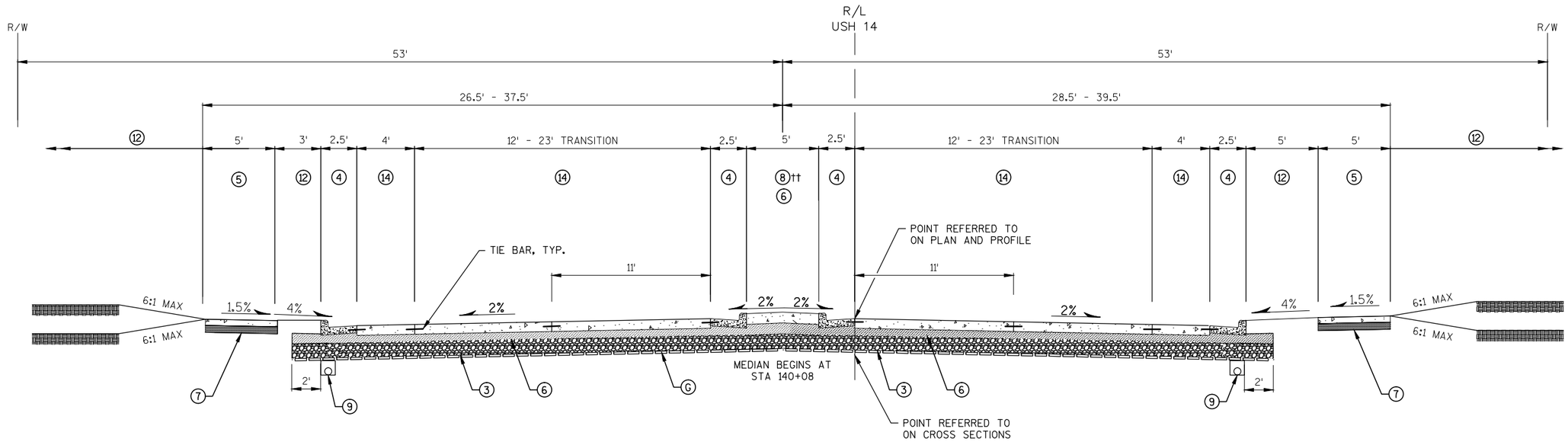
⑫ SOD LAWN, 4-INCH TOPSOIL

⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID

⑭ CONCRETE PAVEMENT 8-INCH

⑮ 4" BASE AGGREGATE DENSE ¾-INCH

Ⓖ GEOGRID REINFORCEMENT



FINISHED TYPICAL SECTION

USH 14

STA 137+87 TO STA 142+16

JOVINA STREET TO VALLEY STREET

† = COLORED AND STAMPED CONCRETE

†† = CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE TAN

KEY

① 5¾" HMA PAVEMENT TYPE E-3

② 12" BASE AGGREGATE DENSE 1¼-INCH

③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID

④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D

⑤ CONCRETE SIDEWALK 4-INCH

⑥ 6" BASE AGGREGATE DENSE 1¼-INCH

⑦ 4" BASE AGGREGATE DENSE 1¼-INCH

⑧ CONCRETE MEDIAN

⑨ PIPE UNDERDRAIN 6-INCH

⑩ TOPSOIL

⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A

⑫ SOD LAWN, 4-INCH TOPSOIL

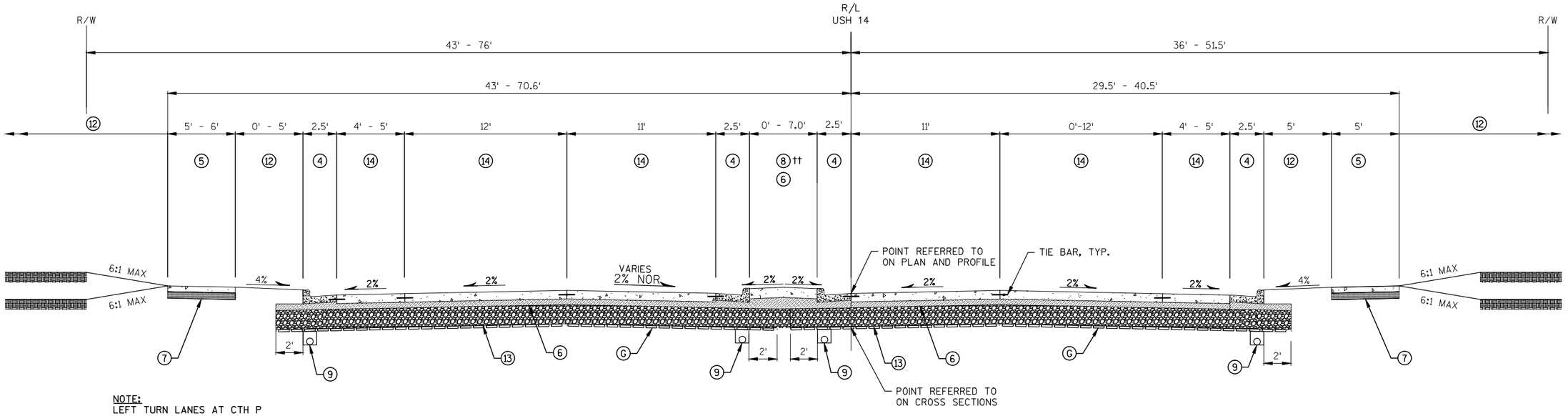
⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID

⑭ CONCRETE PAVEMENT 8-INCH

⑮ 4" BASE AGGREGATE DENSE ¾-INCH

Ⓖ GEOGRID REINFORCEMENT

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTION	SHEET 19	E



NOTE:
LEFT TURN LANES AT CTH P INTERSECTION AND LEFT TURN LANE AT GLACIER'S EDGE INTERSECTION NOT SHOWN FOR CLARITY. SEE PLAN AND PROFILE.

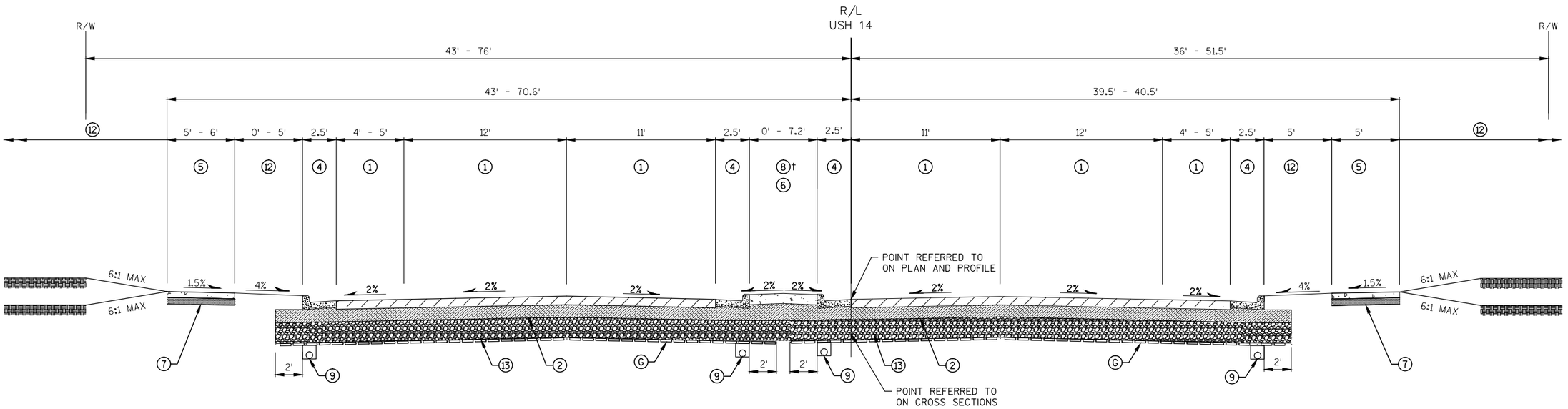
FINISHED TYPICAL SECTION

USH 14
STA 142+16 TO STA 149+00
VALLEY STREET TO CTH P

† = COLORED AND STAMPED CONCRETE

†† = CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE TAN

① 5¾" HMA PAVEMENT TYPE E-3
② 12" BASE AGGREGATE DENSE 1¼-INCH
③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID
④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D
⑤ CONCRETE SIDEWALK 4-INCH
⑥ 6" BASE AGGREGATE DENSE 1¼-INCH
⑦ 4" BASE AGGREGATE DENSE 1¼-INCH
⑧ CONCRETE MEDIAN
⑨ PIPE UNDERDRAIN 6-INCH
⑩ TOPSOIL
⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
⑫ SOD LAWN, 4-INCH TOPSOIL
⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID
⑭ CONCRETE PAVEMENT 8-INCH
⑮ 4" BASE AGGREGATE DENSE ¾-INCH
Ⓖ GEOGRID REINFORCEMENT



NOTE:
LEFT TURN LANES AT CTH P
INTERSECTION AND LEFT TURN LANE AT GLACIER'S EDGE
INTERSECTION NOT SHOWN FOR CLARITY. SEE PLAN AND
PROFILE.

STA 147+89EB TO STA 149+00EB PREVIOUSLY CONSTRUCTED.

FINISHED TYPICAL SECTION

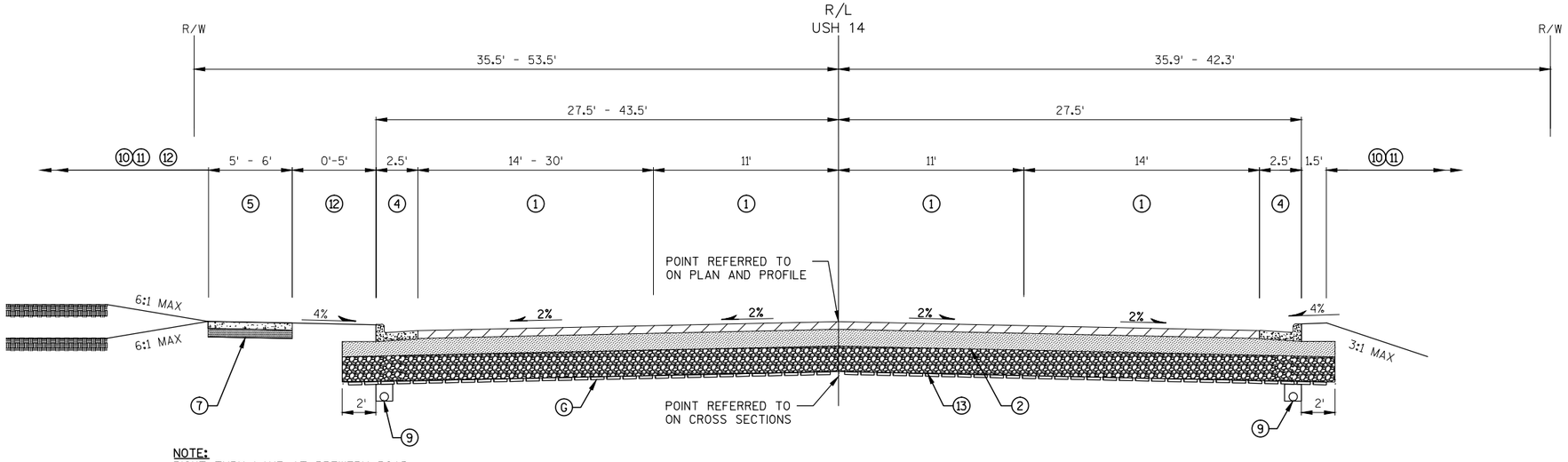
USH 14

STA 149+00 TO STA 154+26

CTH P TO GLACIER'S EDGE SQUARE

† = COLORED AND STAMPED CONCRETE
STA 147+75 TO STA 151+75

†† = CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE TA
STA 151+75 TO STA 154+20



NOTE:
RIGHT TURN LANE AT BREWERY ROAD
INTERSECTION NOT SHOWN FOR CLARITY.
SEE PLAN AND PROFILE.

FINISHED TYPICAL SECTION

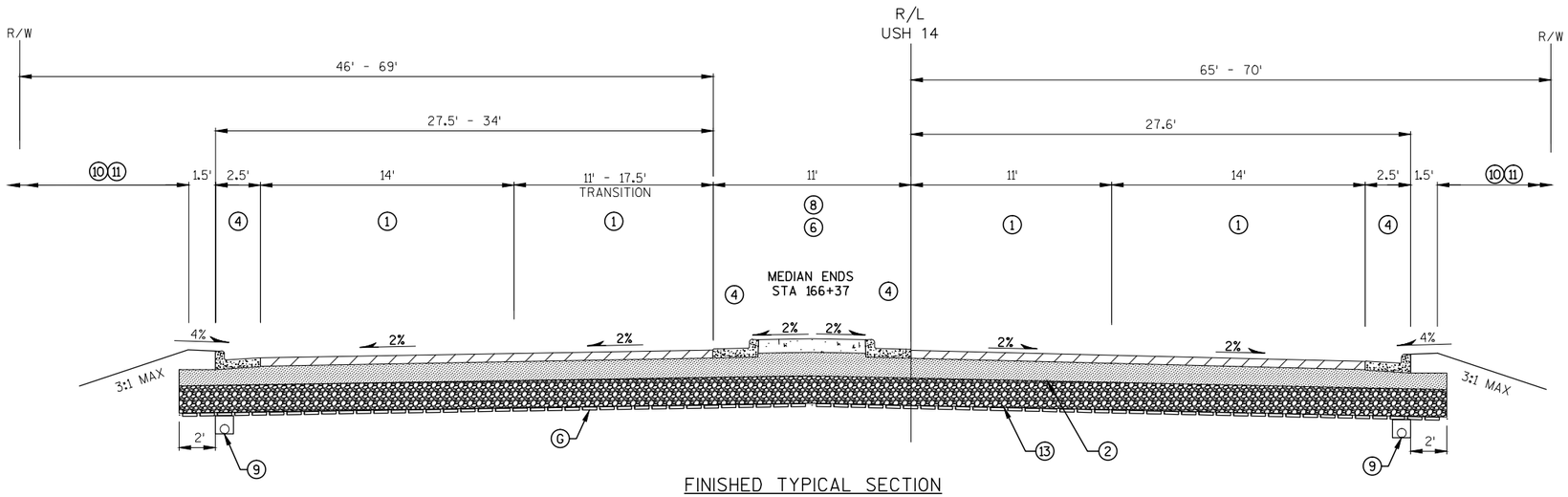
USH 14

STA 154+26 TO STA 165+34

GLACIER'S EDGE SQUARE TO WESTVIEW COURT

(1) 5¾" HMA PAVEMENT TYPE E-3
(2) 12" BASE AGGREGATE DENSE 1¼-INCH
(3) 12" SELECT CRUSHED MATERIAL OVER GEOGRID
(4) CONCRETE CURB & GUTTER 30-INCH TYPE A/D
(5) CONCRETE SIDEWALK 4-INCH
(6) 6" BASE AGGREGATE DENSE 1¼-INCH
(7) 4" BASE AGGREGATE DENSE 1¼-INCH
(8) CONCRETE MEDIAN
(9) PIPE UNDERDRAIN 6-INCH
(10) TOPSOIL
(11) SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
(12) SOD LAWN, 4-INCH TOPSOIL
(13) 18" SELECT CRUSHED MATERIAL OVER GEOGRID
(14) CONCRETE PAVEMENT 8-INCH
(15) 4" BASE AGGREGATE DENSE ¾-INCH
(G) GEOGRID REINFORCEMENT

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 21	E



FINISHED TYPICAL SECTION

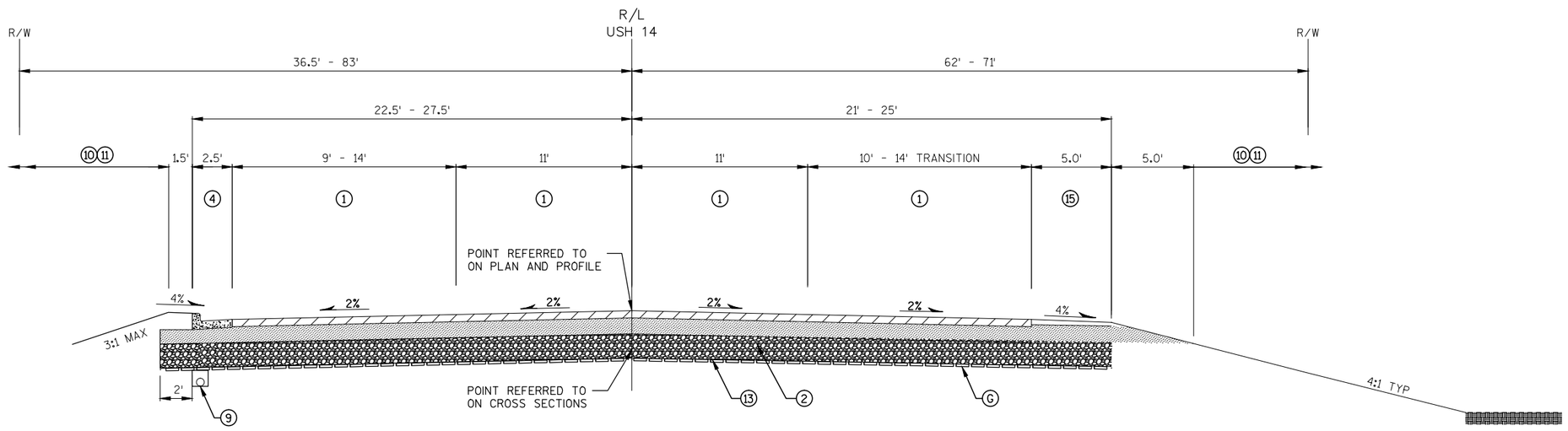
USH 14

STA 165+34 TO STA 167+18

KEY

1. 5¾" HMA PAVEMENT TYPE E-3
2. 12" BASE AGGREGATE DENSE 1¼-INCH
3. 12" SELECT CRUSHED MATERIAL OVER GEOGRID
4. CONCRETE CURB & GUTTER 30-INCH TYPE A/D
5. CONCRETE SIDEWALK 4-INCH
6. 6" BASE AGGREGATE DENSE 1¼-INCH
7. 4" BASE AGGREGATE DENSE 1¼-INCH
8. CONCRETE MEDIAN
9. PIPE UNDERDRAIN 6-INCH
10. TOPSOIL
11. SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
12. SOD LAWN, 4-INCH TOPSOIL
13. 18" SELECT CRUSHED MATERIAL OVER GEOGRID
14. CONCRETE PAVEMENT 8-INCH
15. 4" BASE AGGREGATE DENSE ¾-INCH
16. MILL & OVERLAY 2" HMA PAVEMENT
17. EXISTING 6½" - 9" CONCRETE PAVEMENT

G. GEOGRID REINFORCEMENT

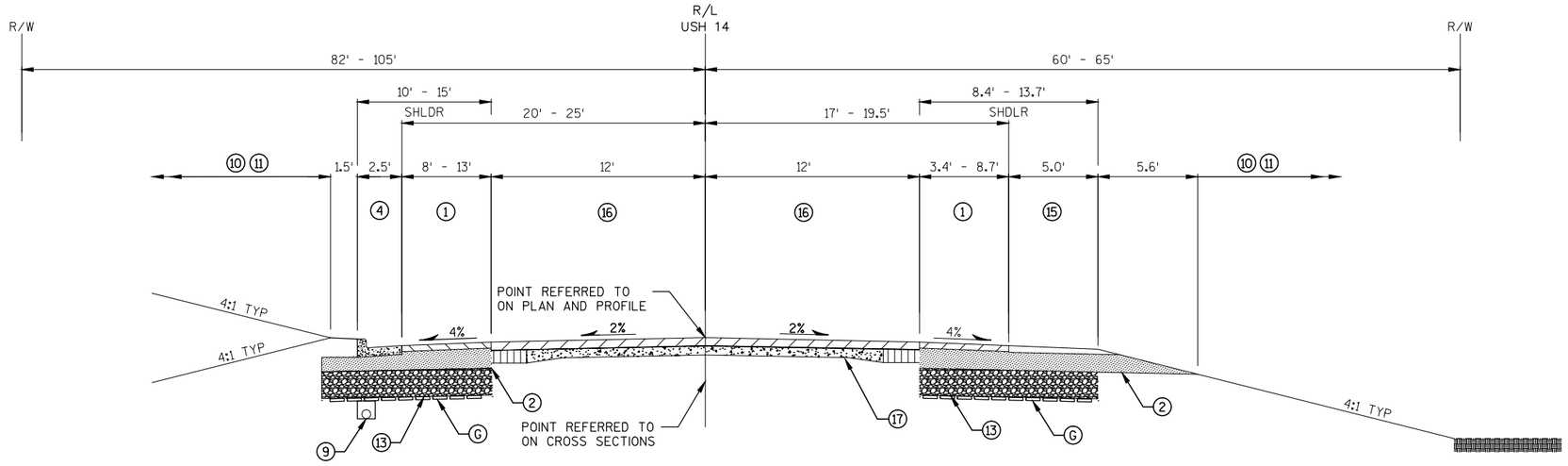


FINISHED TYPICAL SECTION

USH 14

STA 167+18 TO STA 170+00

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 22	E



FINISHED TYPICAL SECTION

USH 14

STA 170+00 TO STA 172+00

KEY

① 5¾" HMA PAVEMENT TYPE E-3

② 12" BASE AGGREGATE DENSE 1¼-INCH

③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID

④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D

⑤ CONCRETE SIDEWALK 4-INCH

⑥ 6" BASE AGGREGATE DENSE 1¼-INCH

⑦ 4" BASE AGGREGATE DENSE 1¼-INCH

⑧ CONCRETE MEDIAN

⑨ PIPE UNDERDRAIN 6-INCH

⑩ TOPSOIL

⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A

⑫ SOD LAWN, 4-INCH TOPSOIL

⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID

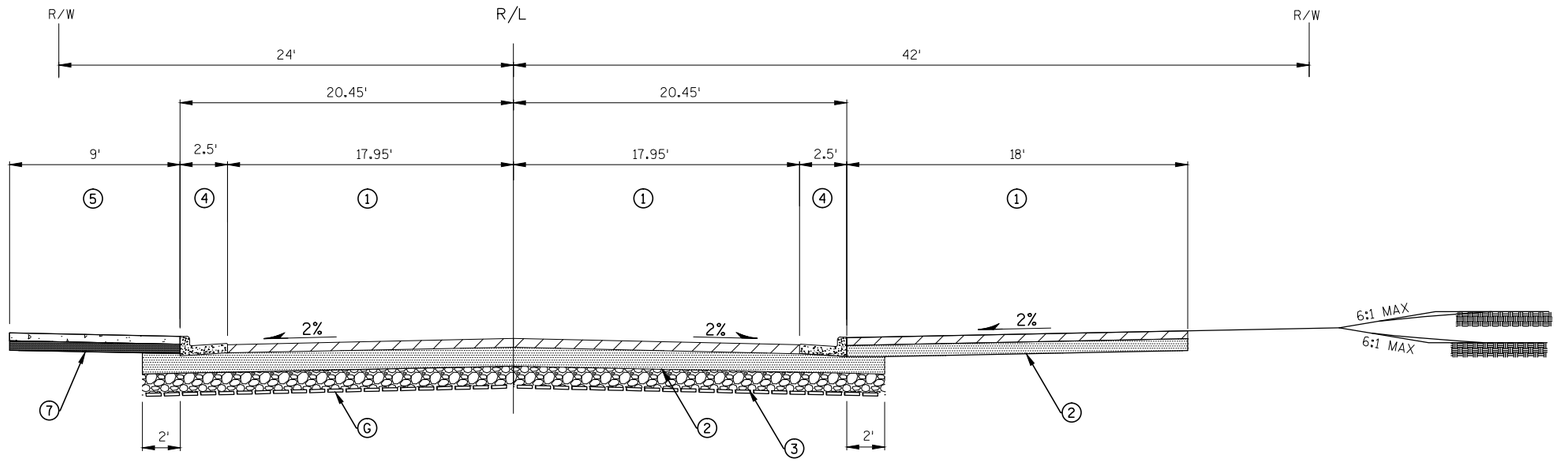
⑭ CONCRETE PAVEMENT 8-INCH

⑮ 4" BASE AGGREGATE DENSE ¾-INCH

⑯ MILL & OVERLAY 2" HMA PAVEMENT

⑰ EXISTING 6½" - 9" CONCRETE PAVEMENT

Ⓖ GEOGRID REINFORCEMENT



FINISHED TYPICAL SECTION

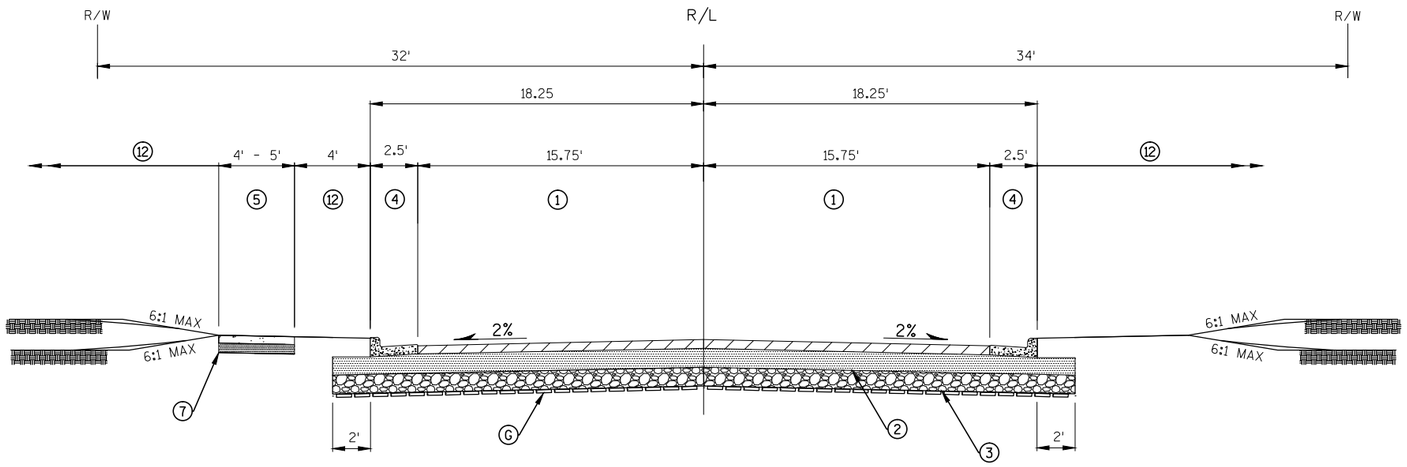
WATER STREET

KEY

1. 5¾" HMA PAVEMENT TYPE E-3
2. 12" BASE AGGREGATE DENSE 1¼-INCH
3. 12" SELECT CRUSHED MATERIAL OVER GEOGRID
4. CONCRETE CURB & GUTTER 30-INCH TYPE A/D
5. CONCRETE SIDEWALK 4-INCH
6. 6" BASE AGGREGATE DENSE 1¼-INCH
7. 4" BASE AGGREGATE DENSE 1¼-INCH
8. CONCRETE MEDIAN
9. PIPE UNDERDRAIN 6-INCH
10. TOPSOIL
11. SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
12. SOD LAWN, 4-INCH TOPSOIL
13. 18" SELECT CRUSHED MATERIAL OVER GEOGRID
14. CONCRETE PAVEMENT 8-INCH
15. 4" BASE AGGREGATE DENSE ¾-INCH

G. GEOGRID REINFORCEMENT

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 24	E



FINISHED TYPICAL SECTION

CENTER STREET

KEY

① 5¾" HMA PAVEMENT TYPE E-3

② 12" BASE AGGREGATE DENSE 1¼-INCH

③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID

④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D

⑤ CONCRETE SIDEWALK 4-INCH

⑥ 6" BASE AGGREGATE DENSE 1¼-INCH

⑦ 4" BASE AGGREGATE DENSE 1¼-INCH

⑧ CONCRETE MEDIAN

⑨ PIPE UNDERDRAIN 6-INCH

⑩ TOPSOIL

⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A

⑫ SOD LAWN, 4-INCH TOPSOIL

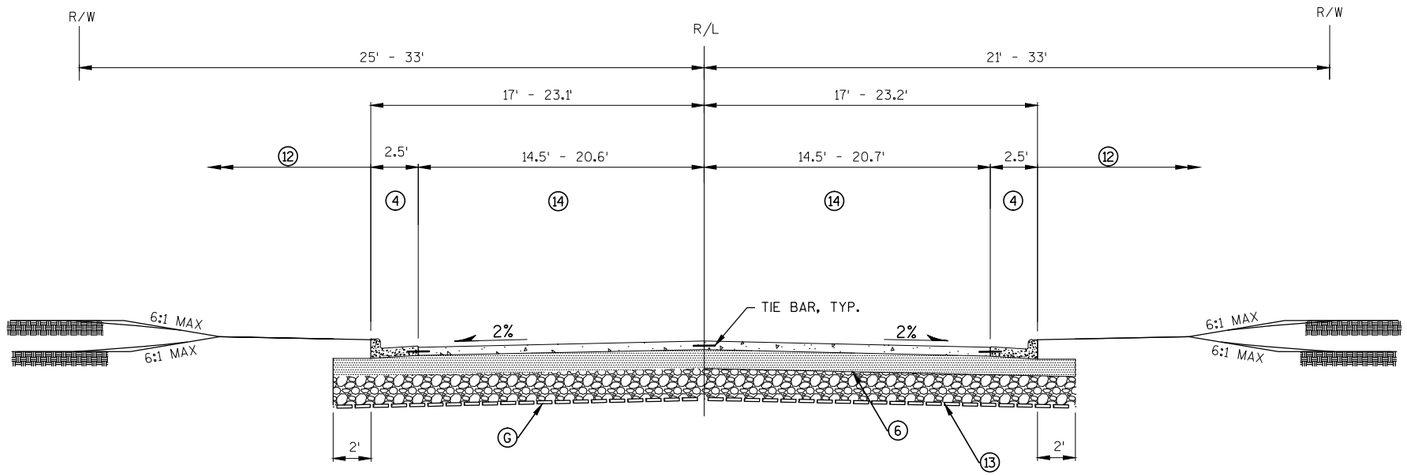
⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID

⑭ CONCRETE PAVEMENT 8-INCH

⑮ 4" BASE AGGREGATE DENSE ¾-INCH

Ⓖ GEOGRID REINFORCEMENT

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 25	E



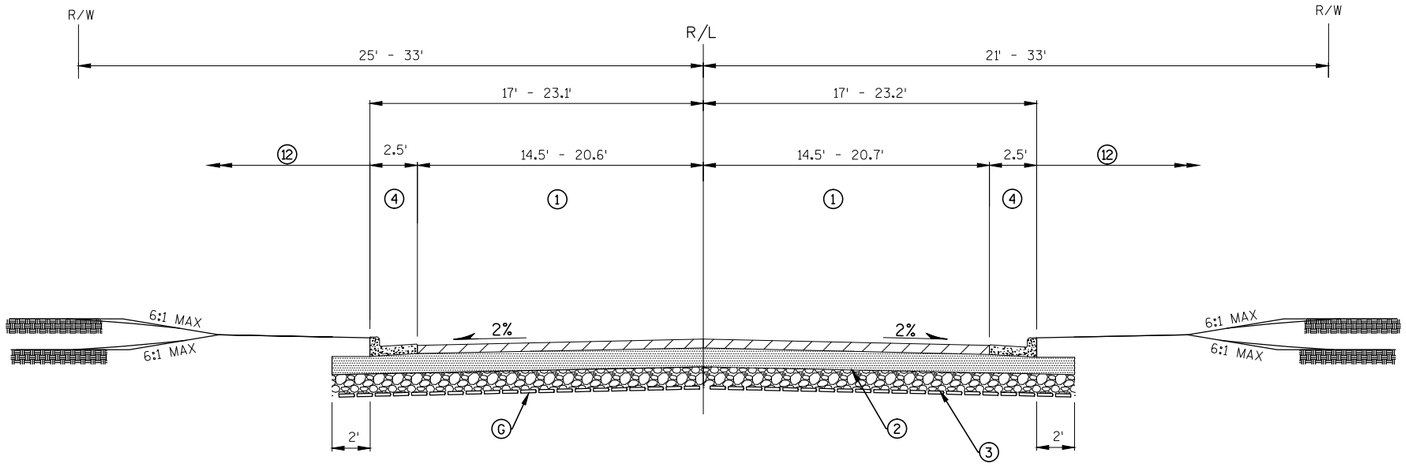
FINISHED TYPICAL SECTION
JOVINA STREET
VALLEY STREET
EULALIA STREET

KEY

1. 5¾" HMA PAVEMENT TYPE E-3
2. 12" BASE AGGREGATE DENSE 1¼-INCH
3. 12" SELECT CRUSHED MATERIAL OVER GEOGRID
4. CONCRETE CURB & GUTTER 30-INCH TYPE A/D
5. CONCRETE SIDEWALK 4-INCH
6. 6" BASE AGGREGATE DENSE 1¼-INCH
7. 4" BASE AGGREGATE DENSE 1¼-INCH
8. CONCRETE MEDIAN
9. PIPE UNDERDRAIN 6-INCH
10. TOPSOIL
11. SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
12. SOD LAWN, 4-INCH TOPSOIL
13. 18" SELECT CRUSHED MATERIAL OVER GEOGRID
14. CONCRETE PAVEMENT 8-INCH
15. 4" BASE AGGREGATE DENSE ¾-INCH

G. GEOGRID REINFORCEMENT

2

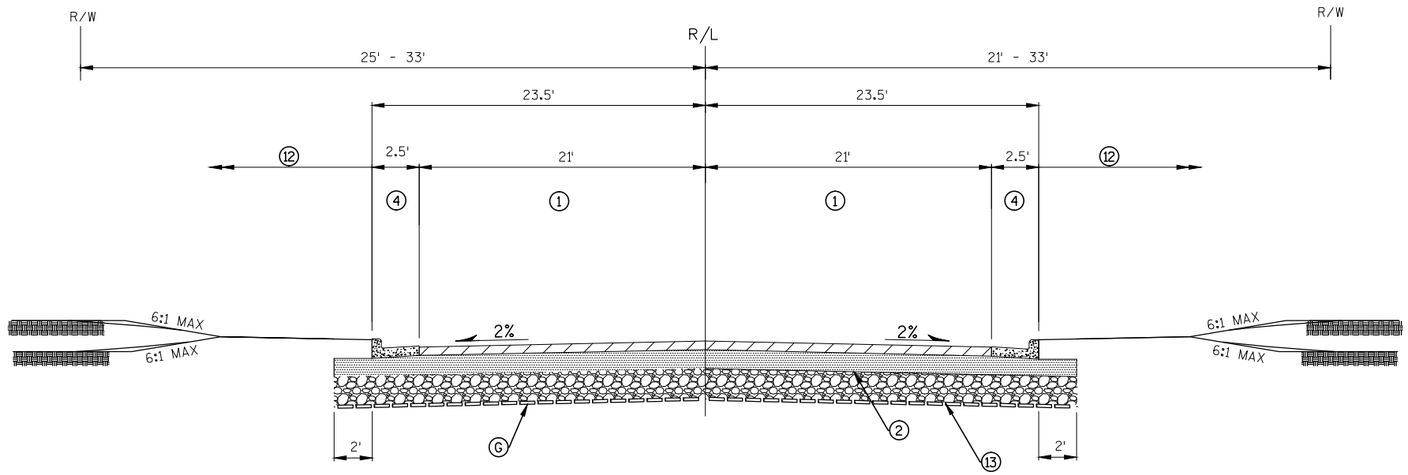


FINISHED TYPICAL SECTION

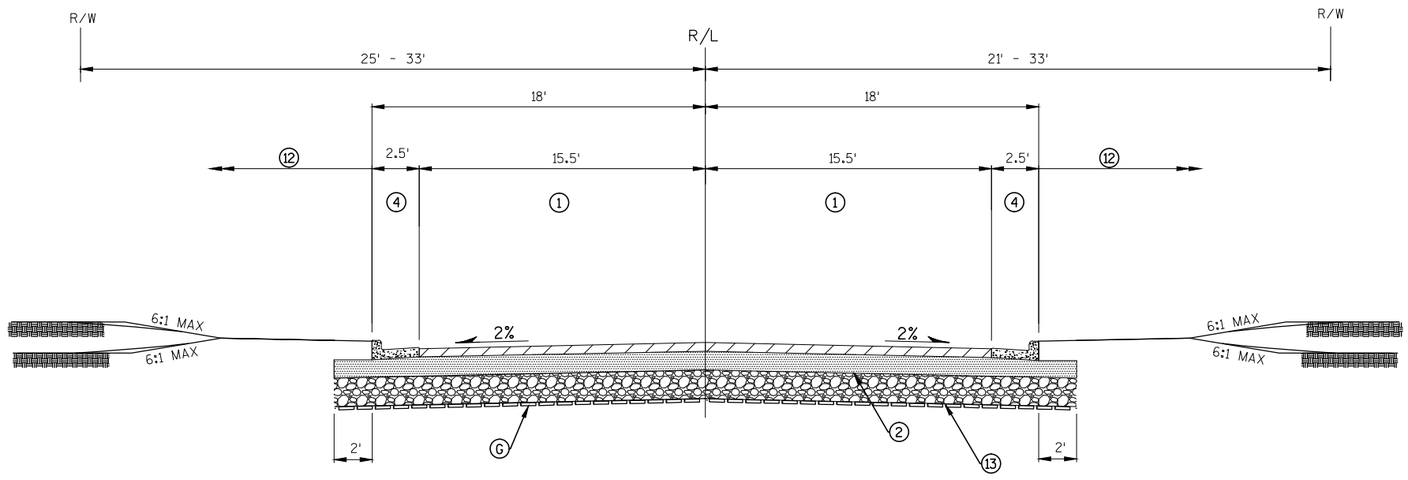
SPRING STREET
EAST STREET
MAPLE STREET
HICKORY STREET

KEY

① 5¾" HMA PAVEMENT TYPE E-3
② 12" BASE AGGREGATE DENSE 1¼-INCH
③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID
④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D
⑤ CONCRETE SIDEWALK 4-INCH
⑥ 6" BASE AGGREGATE DENSE 1¼-INCH
⑦ 4" BASE AGGREGATE DENSE 1¼-INCH
⑧ CONCRETE MEDIAN
⑨ PIPE UNDERDRAIN 6-INCH
⑩ TOPSOIL
⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
⑫ SOD LAWN, 4-INCH TOPSOIL
⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID
⑭ CONCRETE PAVEMENT 8-INCH
⑮ 4" BASE AGGREGATE DENSE ¾-INCH
Ⓖ GEOGRID REINFORCEMENT



FINISHED TYPICAL SECTION
GLACIER'S EDGE PLAZA

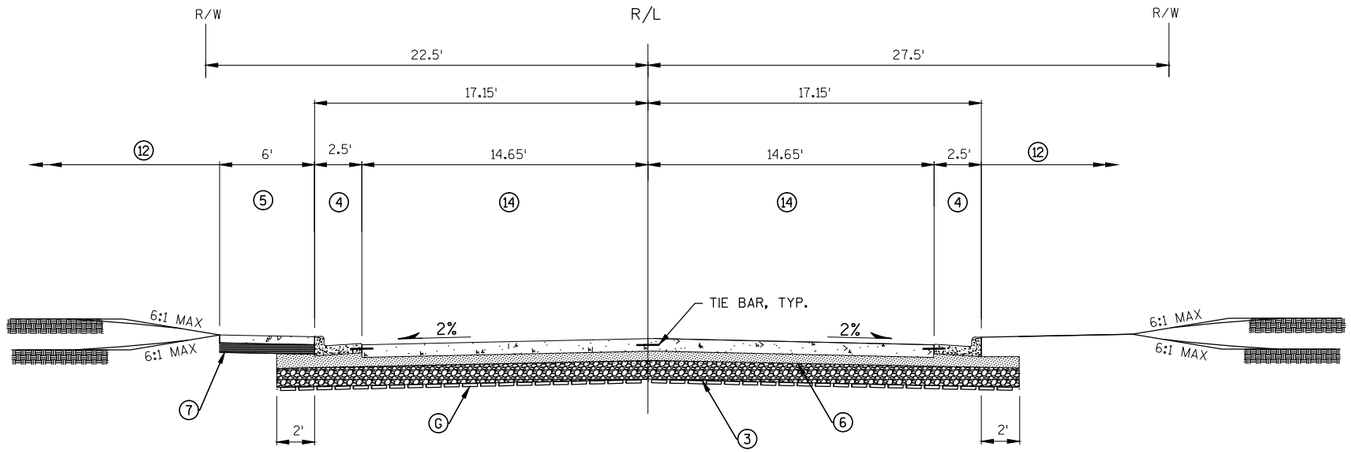


FINISHED TYPICAL SECTION
WESTVIEW COURT

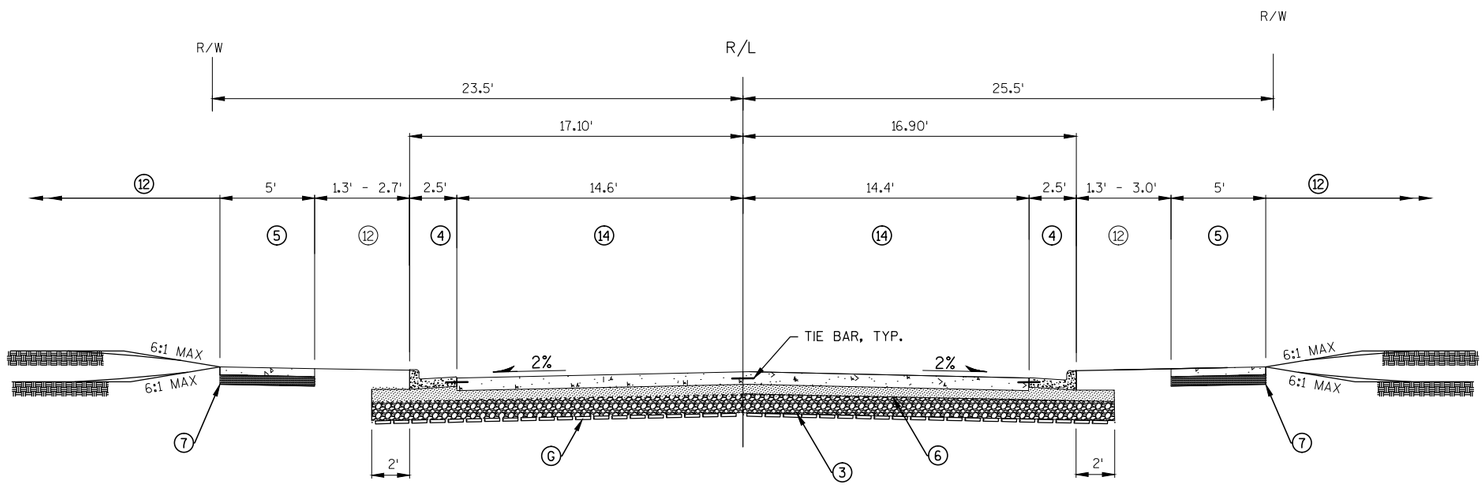
KEY

1. 5¾" HMA PAVEMENT TYPE E-3
2. 12" BASE AGGREGATE DENSE 1¼-INCH
3. 12" SELECT CRUSHED MATERIAL OVER GEOGRID
4. CONCRETE CURB & GUTTER 30-INCH TYPE A/D
5. CONCRETE SIDEWALK 4-INCH
6. 6" BASE AGGREGATE DENSE 1¼-INCH
7. 4" BASE AGGREGATE DENSE 1¼-INCH
8. CONCRETE MEDIAN
9. PIPE UNDERDRAIN 6-INCH
10. TOPSOIL
11. SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
12. SOD LAWN, 4-INCH TOPSOIL
13. 18" SELECT CRUSHED MATERIAL OVER GEOGRID
14. CONCRETE PAVEMENT 8-INCH
15. 4" BASE AGGREGATE DENSE ¾-INCH

G. GEOGRID REINFORCEMENT



FINISHED TYPICAL SECTION
WILSON STREET

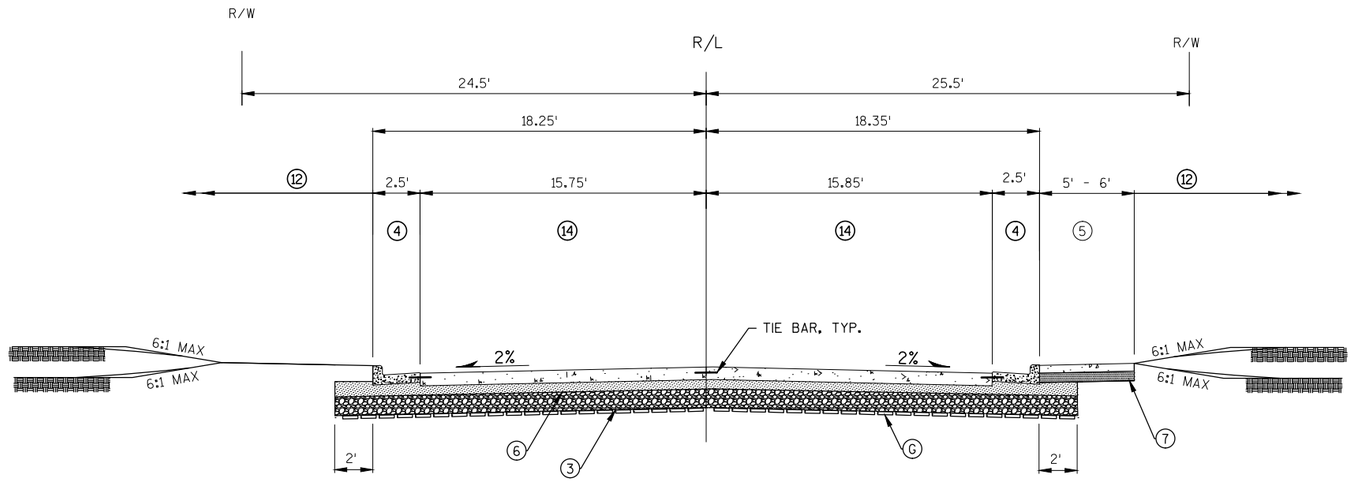


FINISHED TYPICAL SECTION
MILL STREET

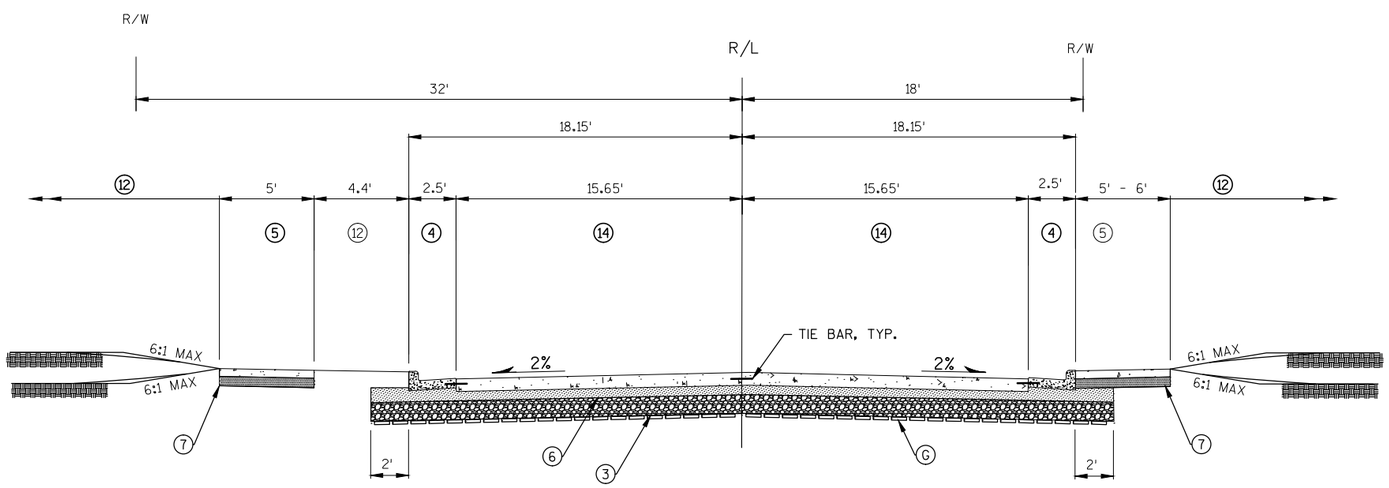
KEY

(1) 5¾" HMA PAVEMENT TYPE E-3
(2) 12" BASE AGGREGATE DENSE 1¼-INCH
(3) 12" SELECT CRUSHED MATERIAL OVER GEOGRID
(4) CONCRETE CURB & GUTTER 30-INCH TYPE A/D
(5) CONCRETE SIDEWALK 4-INCH
(6) 6" BASE AGGREGATE DENSE 1¼-INCH
(7) 4" BASE AGGREGATE DENSE 1¼-INCH
(8) CONCRETE MEDIAN
(9) PIPE UNDERDRAIN 6-INCH
(10) TOPSOIL
(11) SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
(12) SOD LAWN, 4-INCH TOPSOIL
(13) 18" SELECT CRUSHED MATERIAL OVER GEOGRID
(14) CONCRETE PAVEMENT 8-INCH
(15) 4" BASE AGGREGATE DENSE ¾-INCH
(G) GEOGRID REINFORCEMENT

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 29	E



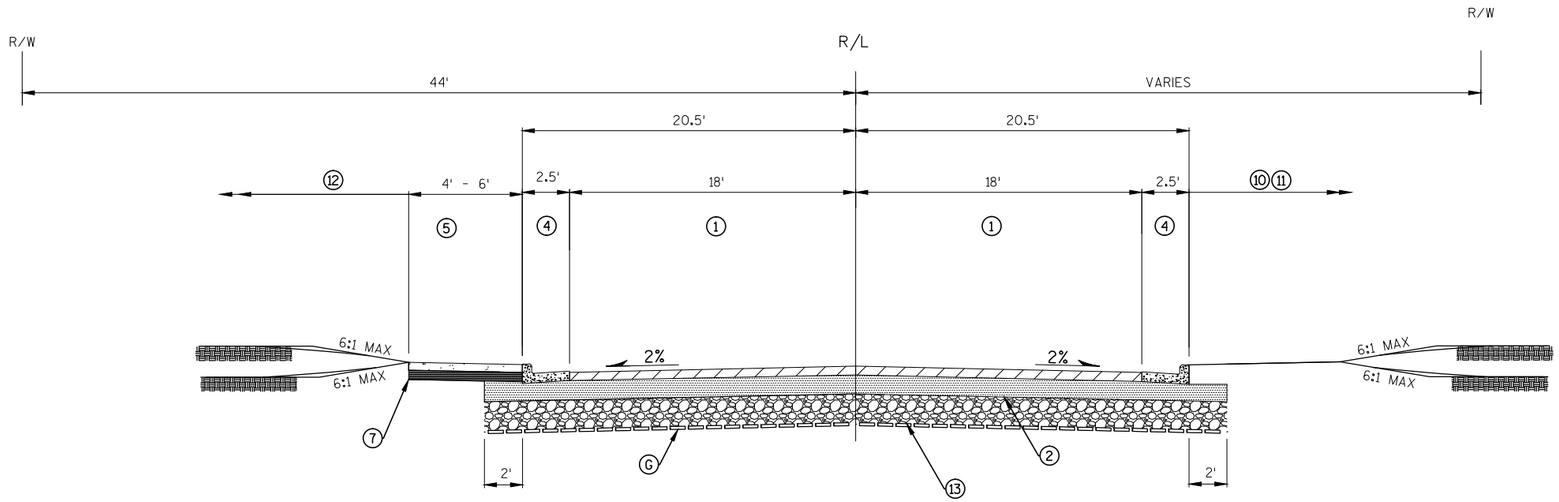
FINISHED TYPICAL SECTION
AMERICAN LEGION DRIVE



FINISHED TYPICAL SECTION
CAESAR STREET

KEY

1. 5¾" HMA PAVEMENT TYPE E-3
2. 12" BASE AGGREGATE DENSE 1¼-INCH
3. 12" SELECT CRUSHED MATERIAL OVER GEOGRID
4. CONCRETE CURB & GUTTER 30-INCH TYPE A/D
5. CONCRETE SIDEWALK 4-INCH
6. 6" BASE AGGREGATE DENSE 1¼-INCH
7. 4" BASE AGGREGATE DENSE 1¼-INCH
8. CONCRETE MEDIAN
9. PIPE UNDERDRAIN 6-INCH
10. TOPSOIL
11. SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
12. SOD LAWN, 4-INCH TOPSOIL
13. 18" SELECT CRUSHED MATERIAL OVER GEOGRID
14. CONCRETE PAVEMENT 8-INCH
15. 4" BASE AGGREGATE DENSE ¾-INCH
- G. GEOGRID REINFORCEMENT



FINISHED TYPICAL SECTION
BREWERY ROAD

KEY

① 5¾" HMA PAVEMENT TYPE E-3
② 12" BASE AGGREGATE DENSE 1¼-INCH
③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID
④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D
⑤ CONCRETE SIDEWALK 4-INCH
⑥ 6" BASE AGGREGATE DENSE 1¼-INCH
⑦ 4" BASE AGGREGATE DENSE 1¼-INCH
⑧ CONCRETE MEDIAN
⑨ PIPE UNDERDRAIN 6-INCH
⑩ TOPSOIL
⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
⑫ SOD LAWN, 4-INCH TOPSOIL
⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID
⑭ CONCRETE PAVEMENT 8-INCH
⑮ 4" BASE AGGREGATE DENSE ¾-INCH
Ⓖ GEOGRID REINFORCEMENT

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 31	E

KEY

① 5¾" HMA PAVEMENT TYPE E-3

② 12" BASE AGGREGATE DENSE 1¼-INCH

③ 12" SELECT CRUSHED MATERIAL OVER GEOGRID

④ CONCRETE CURB & GUTTER 30-INCH TYPE A/D

⑤ CONCRETE SIDEWALK 4-INCH

⑥ 6" BASE AGGREGATE DENSE 1¼-INCH

⑦ 4" BASE AGGREGATE DENSE 1¼-INCH

⑧ CONCRETE MEDIAN

⑨ PIPE UNDERDRAIN 6-INCH

⑩ TOPSOIL

⑪ SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A

⑫ SOD LAWN, 4-INCH TOPSOIL

⑬ 18" SELECT CRUSHED MATERIAL OVER GEOGRID

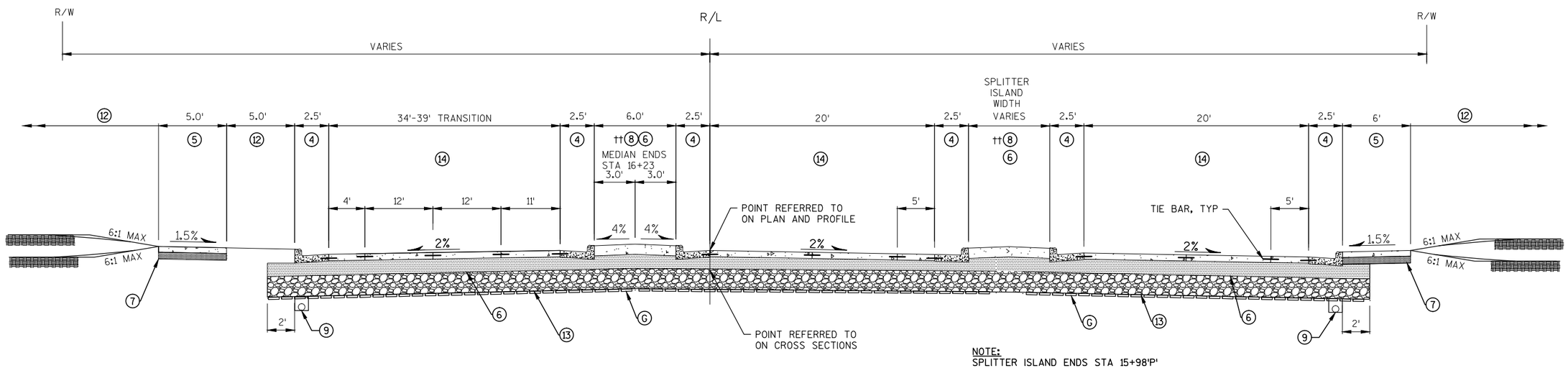
⑭ CONCRETE PAVEMENT 8-INCH

⑮ 4" BASE AGGREGATE DENSE ¾-INCH

Ⓖ GEOGRID REINFORCEMENT

† = COLORED AND STAMPED CONCRETE

†† = CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE TAN



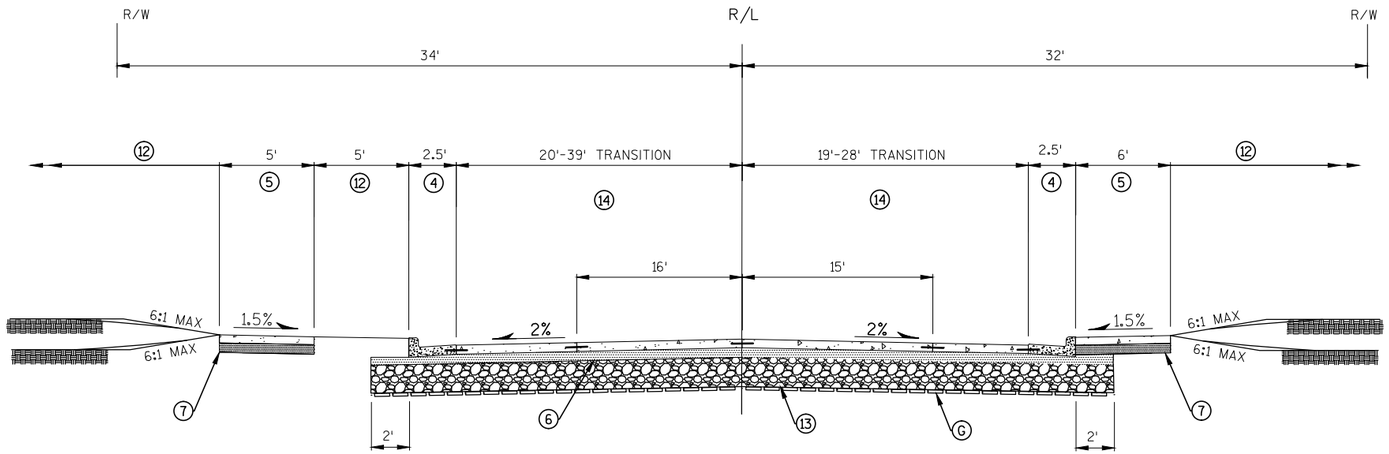
NOTE:
SPLITTER ISLAND ENDS STA 15+98'P'

FINISHED TYPICAL SECTION

CTH P

STA 15+49'P' TO STA 16+23'P'

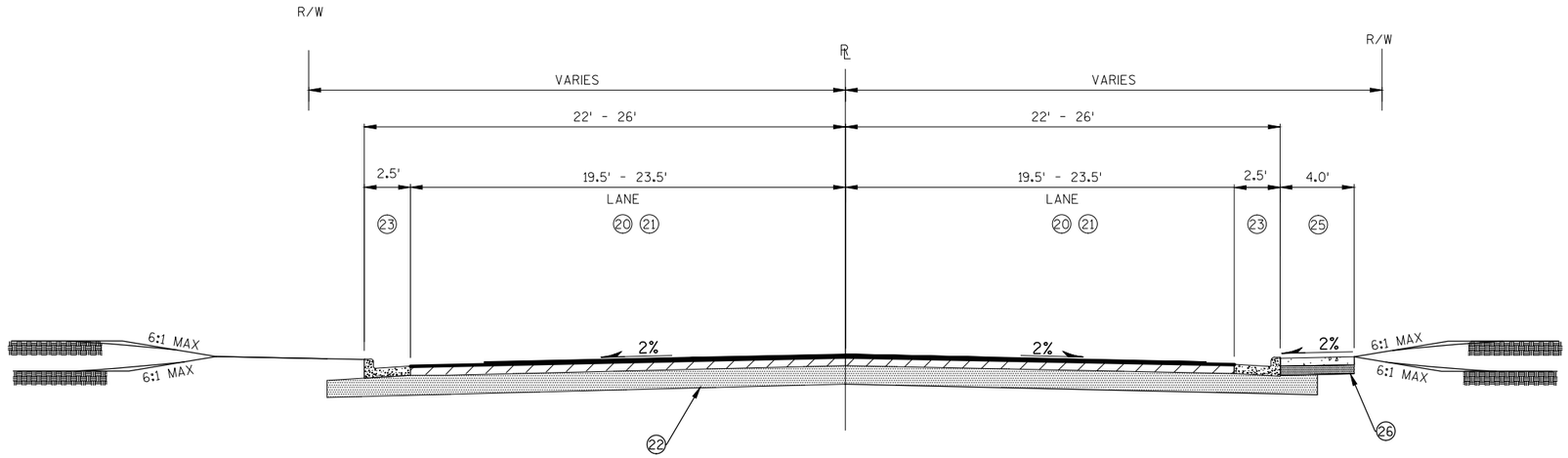
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 32	E



FINISHED TYPICAL SECTION
CTH 'P'
STA 16+23'P' TO STA 17+43.48'P'

KEY

(1) 5¾" HMA PAVEMENT TYPE E-3
(2) 12" BASE AGGREGATE DENSE 1¼-INCH
(3) 12" SELECT CRUSHED MATERIAL OVER GEOGRID
(4) CONCRETE CURB & GUTTER 30-INCH TYPE A/D
(5) CONCRETE SIDEWALK 4-INCH
(6) 6" BASE AGGREGATE DENSE 1¼-INCH
(7) 4" BASE AGGREGATE DENSE 1¼-INCH
(8) CONCRETE MEDIAN
(9) PIPE UNDERDRAIN 6-INCH
(10) TOPSOIL
(11) SEEDING MIXTURE NO 30, SEEDING TEMPORARY AND FERTILIZER TYPE B, EROSION MAT CLASS 1 TYPE A
(12) SOD LAWN, 4-INCH TOPSOIL
(13) 18" SELECT CRUSHED MATERIAL OVER GEOGRID
(14) CONCRETE PAVEMENT 8-INCH
(15) 4" BASE AGGREGATE DENSE ¾-INCH
(G) GEOGRID REINFORCEMENT



KEY

(20) EXISTING 4½" ASPHALTIC PAVEMENT

(21) MILL AND OVERLAY - 2" HMA PAVEMENT E-3

(22) EXISTING CRUSHED AGGREGATE - 18"

(23) EXISTING CONCRETE CURB & GUTTER - 30"

(24) EXISTING TERRACE

(25) EXISTING 3" - 6" CONCRETE SIDEWALK

(26) EXISTING 3" AGGREGATE BASE

(27) EXISTING SHOULDER CRUSHED AGGREGATE

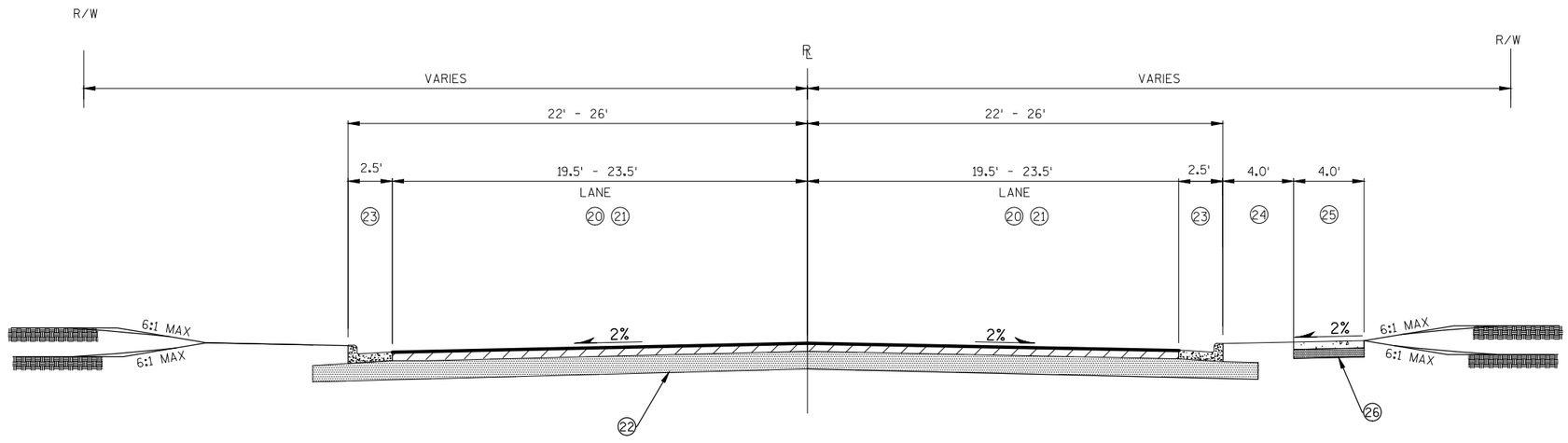
(28) ASPHALTIC PAVEMENT

FINISHED TYPICAL SECTION

BOURBON ROAD

CTH KP - LUDDEN DRIVE

STA 73+47.77'0' TO STA 79+00.00'0'



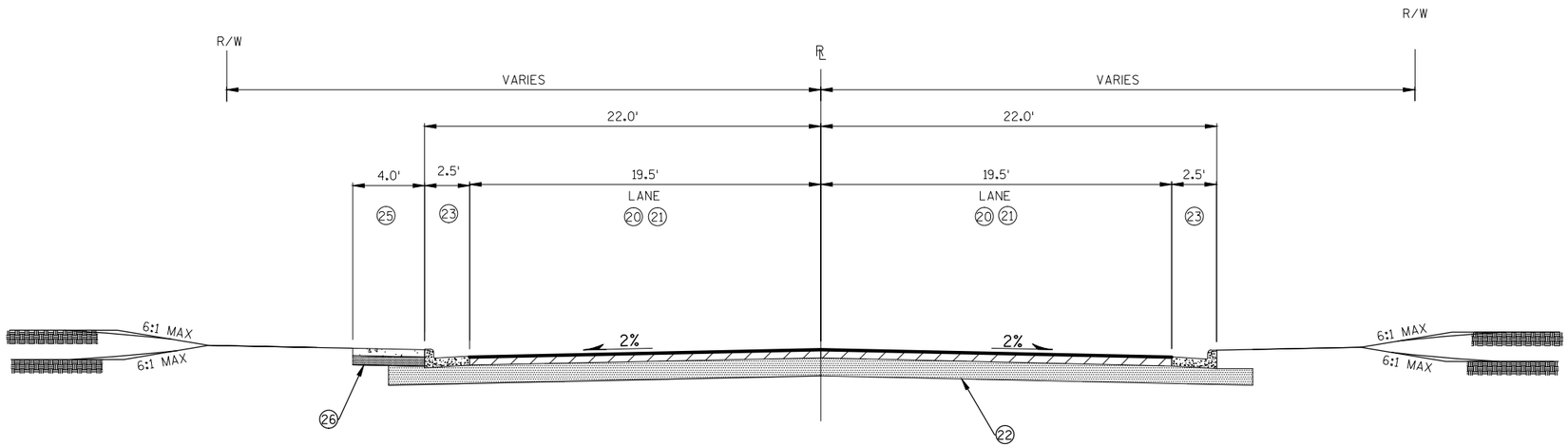
FINISHED TYPICAL SECTION

BOURBON ROAD

LUDDEN DRIVE TO HILLEBRAND DRIVE

STA 79+00'0' TO STA 96+00'0'

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 34	E



FINISHED TYPICAL SECTION

BOURBON ROAD

HILLEBRAND DRIVE TO WSOR
STA 96+00'0' - STA 107+85'0'

KEY

20 EXISTING 4½" ASPHALTIC PAVEMENT

21 MILL AND OVERLAY - 2" HMA PAVEMENT E-3

22 EXISTING CRUSHED AGGREGATE - 18"

23 EXISTING CONCRETE CURB & GUTTER - 30"

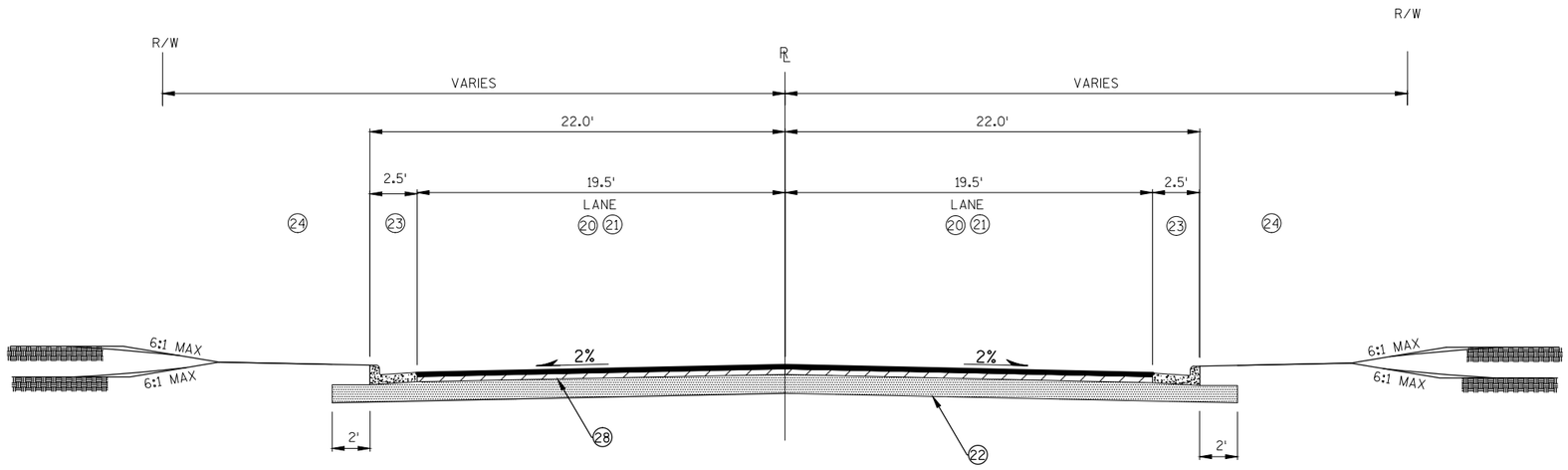
24 EXISTING TERRACE

25 EXISTING 3" - 6" CONCRETE SIDEWALK

26 EXISTING 3" AGGREGATE BASE

27 EXISTING SHOULDER CRUSHED AGGREGATE

28 ASPHALTIC PAVEMENT

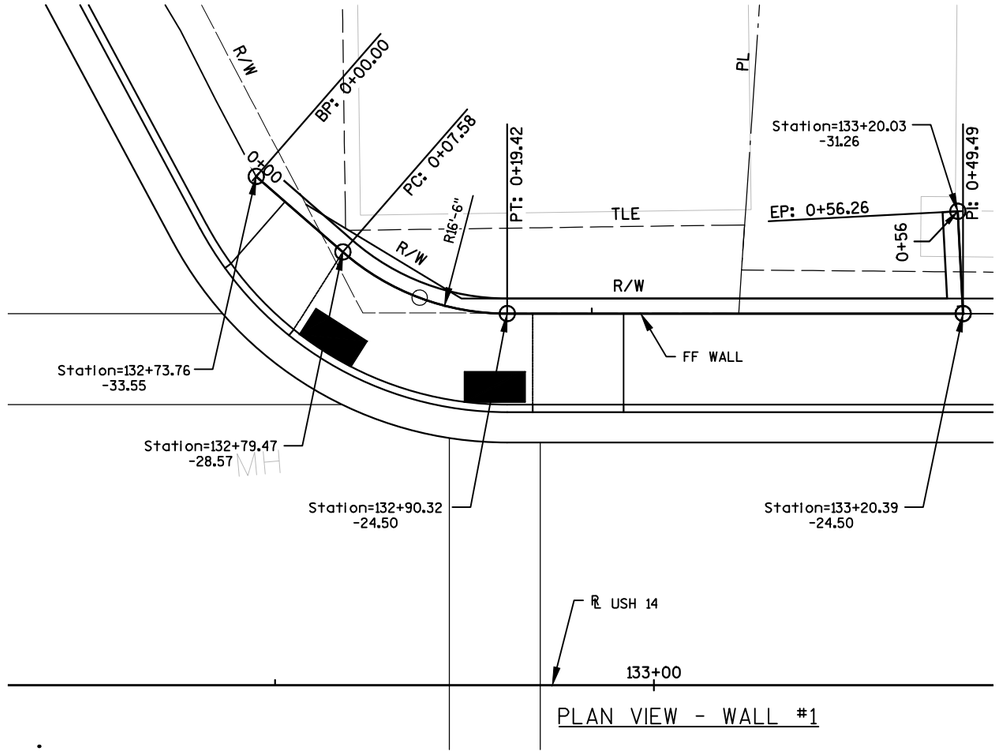


FINISHED TYPICAL SECTION

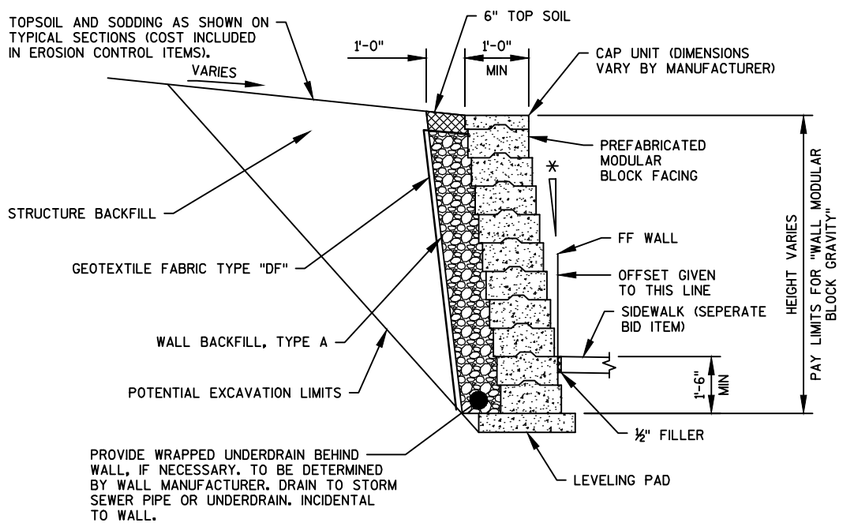
BOURBON ROAD

WSOR TO CTH P
107+85'0' - 112+70'0'

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TYPICAL SECTIONS	SHEET 35	E



PLAN VIEW - WALL #1



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"

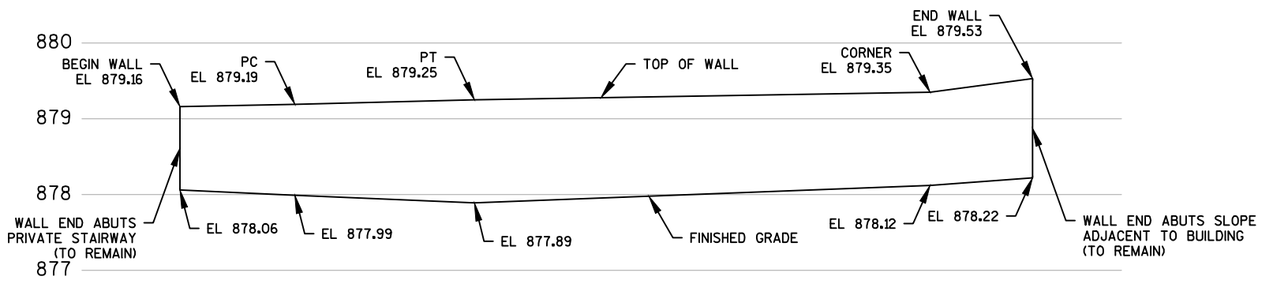
NOTES:

* SETBACK VARIES BY MANUFACTURER MAXIMUM FRONT FACE SLOPE FROM VERTICAL IS 1 HORIZONTAL TO 4 VERTICAL

MODULAR BLOCKS ARE TO BE TAN IN COLOR AND HAVE A SPLIT FACE FINISH. FINAL COLOR AND TEXTURE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

ANY UNSUITABLE FILL OR COMPRESSIBLE CLAY ENCOUNTERED BELOW THE LEVELING PAD SHALL BE REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO WALL CONSTRUCTION. LIMITS TO BE DETERMINED BY THE REGIONAL SOILS ENGINEER.

ALL COURSES SHALL BE PLACED LEVEL AND THE JOINTS SHALL BE STAGGERED.



ELEVATION VIEW - WALL #1

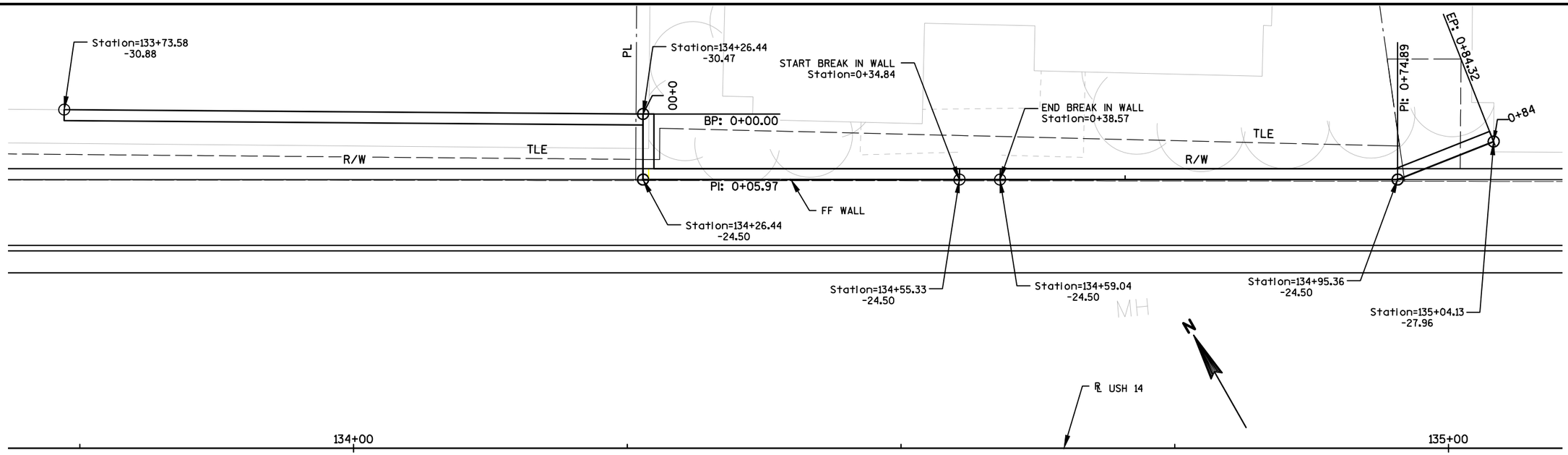
GEOMETRY TABLE - WALL #1

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	132+73.76	33.550' LT	0+00.00	879.16	878.06	1.10 ft
PC	132+79.47	28.567' LT	0+07.58	879.19	877.99	1.20 ft
PT	132+90.32	24.500' LT	0+19.42	879.25	877.89	1.36 ft
CORNER	133+20.39	24.500' LT	0+49.49	879.35	878.12	1.23 ft
END WALL	133+20.03	31.258' LT	0+56.26	879.53	878.22	1.31 ft

SOIL PARAMETERS - WALL #1

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE SAND WITH SILT EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 878 TO EL. 874	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF



PLAN VIEW - WALL #2

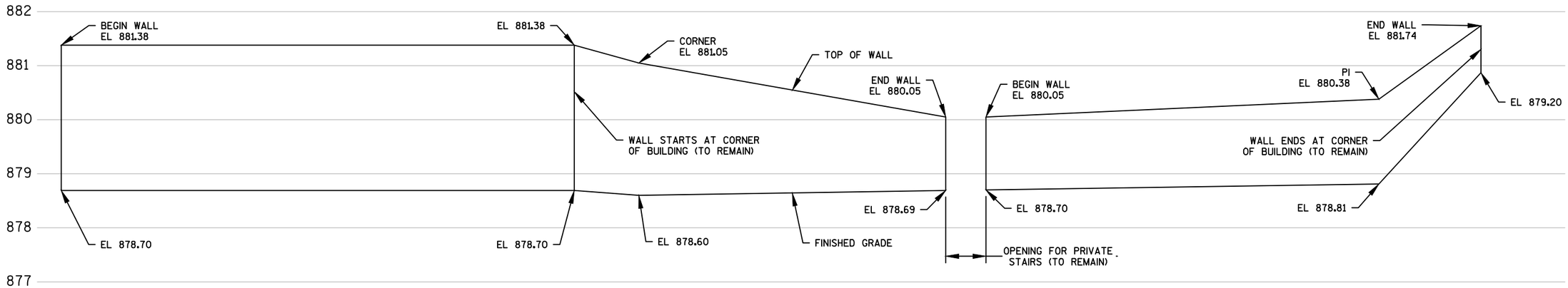
GEOMETRY TABLE - WALL #2

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	133+73.58	30.88' LT	------	881.38	878.70	2.68 ft
CORNER	134+26.44	30.47' LT	0+00.00	881.38	878.70	2.68 ft
CORNER	134+26.44	24.50' LT	0+05.97	881.05	878.60	2.45 ft
BEGIN BREAK	134+55.33	24.50' LT	0+34.84	880.05	878.69	1.36 ft
END BREAK	134+59.04	24.50' LT	0+38.57	880.05	878.70	1.35 ft
PI	134+95.36	24.50' LT	0+74.89	880.38	878.81	1.57 ft
END WALL	135+04.13	27.96' LT	0+84.32	881.74	880.87	0.87 ft

SOIL PARAMETERS - WALL #2

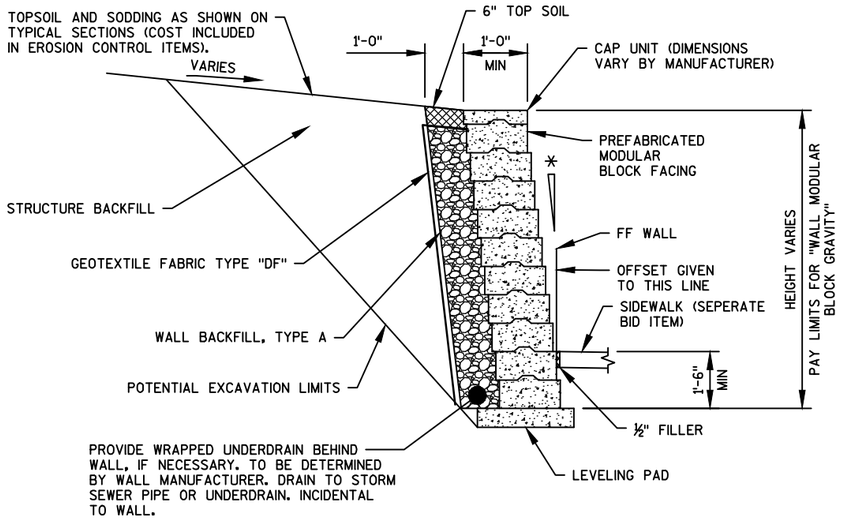
STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE SAND WITH SILT EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 870 - < EL. 869	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF



ELEVATION VIEW - WALL #2

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION DETAILS - RETAINING WALL #2	SHEET 37	E



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"

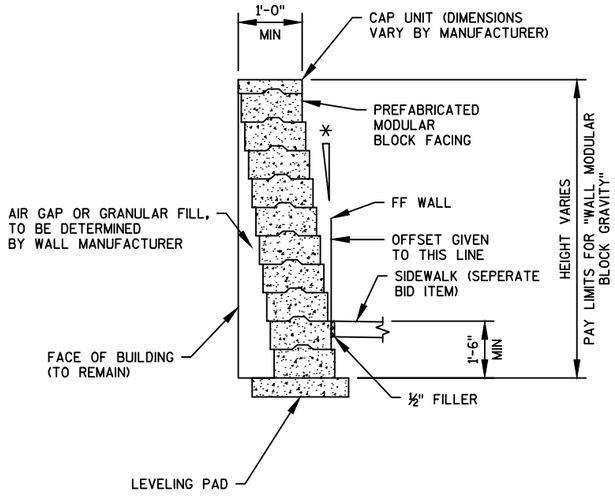
NOTES:

* SETBACK VARIES BY MANUFACTURER MAXIMUM FRONT FACE SLOPE FROM VERTICAL IS 1 HORIZONTAL TO 4 VERTICAL

MODULAR BLOCKS ARE TO BE TAN IN COLOR AND HAVE A SPLIT FACE FINISH. FINAL COLOR AND TEXTURE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

ANY UNSUITABLE FILL OR COMPRESSIBLE CLAY ENCOUNTERED BELOW THE LEVELING PAD SHALL BE REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO WALL CONSTRUCTION. LIMITS TO BE DETERMINED BY THE REGIONAL SOILS ENGINEER.

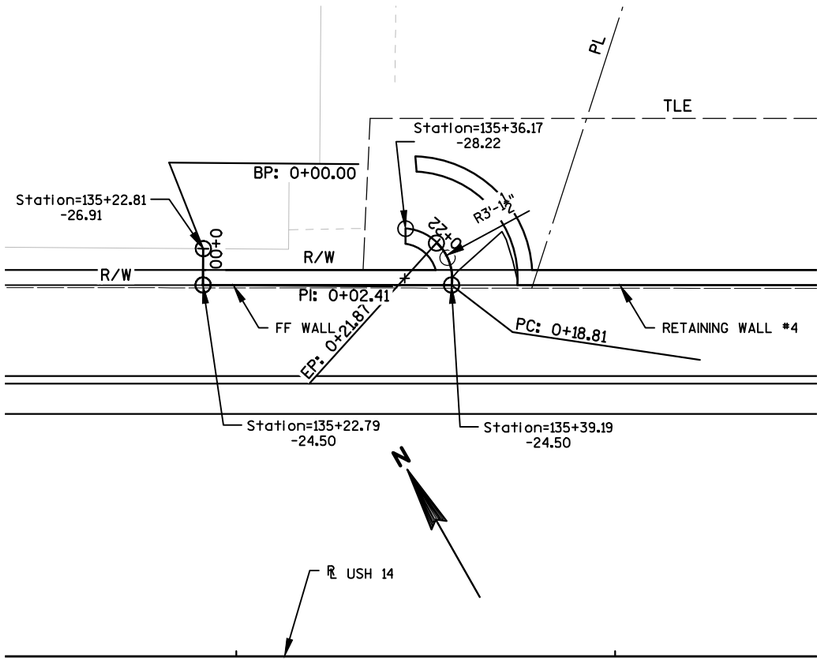
ALL COURSES SHALL BE PLACED LEVEL AND THE JOINTS SHALL BE STAGGERED.



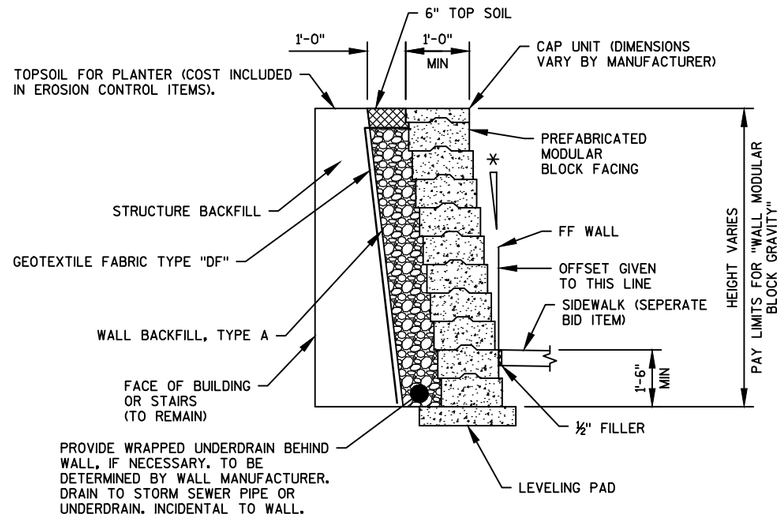
TYPICAL MODULAR BLOCK GRAVITY WALL SECTION AT BUILDING FACE

TYPICAL MODULAR BLOCK GRAVITY WALL SECTION FROM WALL STATIONS 0+27.88 TO 0+41.06

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"



PLAN VIEW - WALL #3



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"

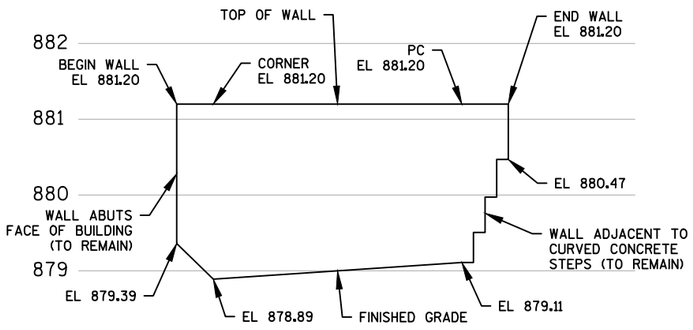
NOTES:

* SETBACK VARIES BY MANUFACTURER MAXIMUM FRONT FACE SLOPE FROM VERTICAL IS 1 HORIZONTAL TO 4 VERTICAL

MODULAR BLOCKS ARE TO BE TAN IN COLOR AND HAVE A SPLIT FACE FINISH. FINAL COLOR AND TEXTURE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

ANY UNSUITABLE FILL OR COMPRESSIBLE CLAY ENCOUNTERED BELOW THE LEVELING PAD SHALL BE REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO WALL CONSTRUCTION. LIMITS TO BE DETERMINED BY THE REGIONAL SOILS ENGINEER.

ALL COURSES SHALL BE PLACED LEVEL AND THE JOINTS SHALL BE STAGGERED.



ELEVATION VIEW - WALL #3

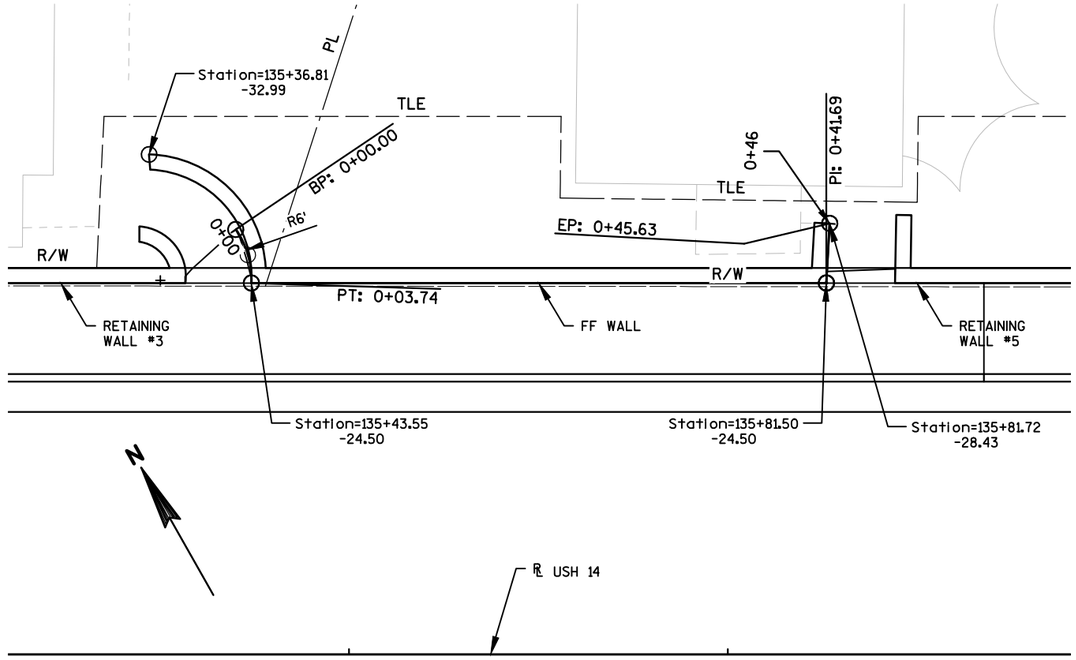
GEOMETRY TABLE - WALL #3

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	135+22.79	24.500' LT	0+00.00	881.20	879.36	1.84 ft
CORNER	135+22.79	24.500' LT	0+02.41	881.20	878.89	2.31 ft
PC	135+39.19	24.500' LT	0+18.81	881.20	879.11	2.09 ft
END WALL	135+36.17	28.220' LT	------	881.20	880.47	0.73 ft

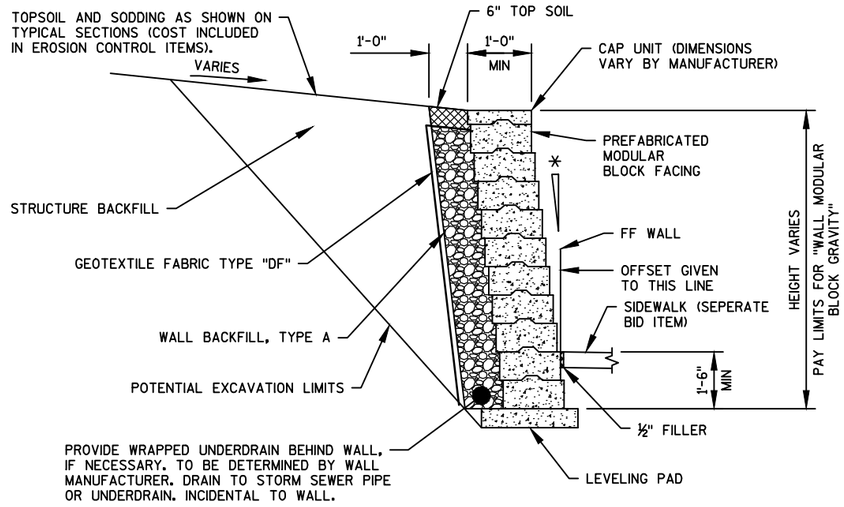
SOIL PARAMETERS - WALL #3

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE TO DENSE SILTY GRAVEL WITH SAND EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 870 - < EL. 869	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF



PLAN VIEW - WALL #4



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

PORTION FROM WALL STATIONS 0+33.00 TO 0+45.63 IS ADJACENT TO STAIRS AND WILL HAVE DIFFERENT SECTION BEHIND WALL.

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"

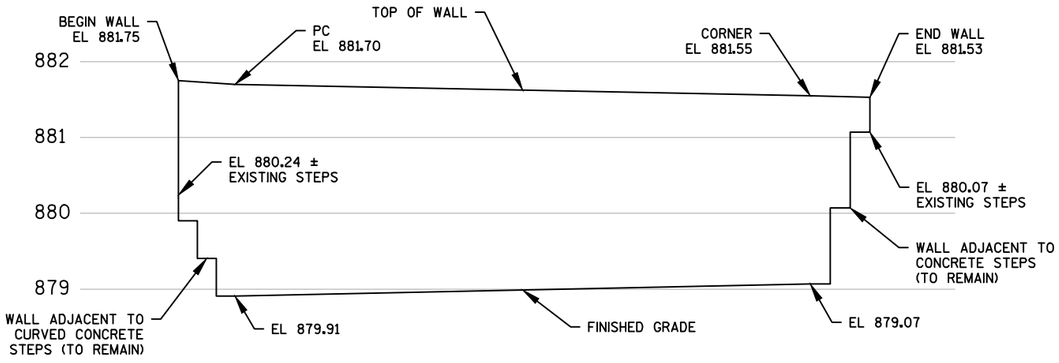
NOTES:

* SETBACK VARIES BY MANUFACTURER MAXIMUM FRONT FACE SLOPE FROM VERTICAL IS 1 HORIZONTAL TO 4 VERTICAL

MODULAR BLOCKS ARE TO BE TAN IN COLOR AND HAVE A SPLIT FACE FINISH. FINAL COLOR AND TEXTURE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

ANY UNSUITABLE FILL OR COMPRESSIBLE CLAY ENCOUNTERED BELOW THE LEVELING PAD SHALL BE REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO WALL CONSTRUCTION. LIMITS TO BE DETERMINED BY THE REGIONAL SOILS ENGINEER.

ALL COURSES SHALL BE PLACED LEVEL AND THE JOINTS SHALL BE STAGGERED.



ELEVATION VIEW - WALL #4

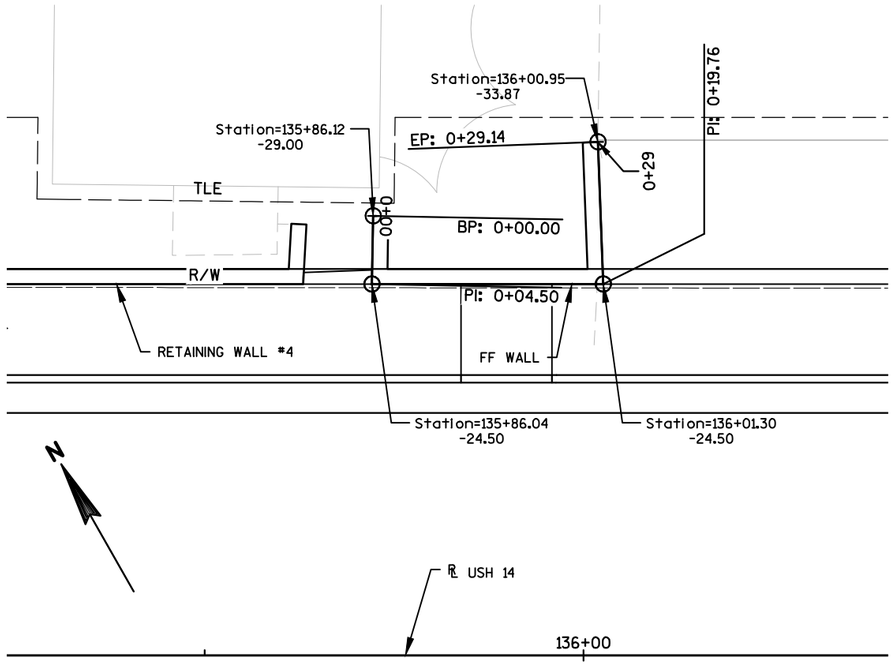
GEOMETRY TABLE - WALL #4

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	135+36.81	32.990' LT	0+00.00	881.75	880.24	1.51 ft
PC	135+43.55	24.500' LT	0+03.74	881.70	878.91	2.79 ft
CORNER	135+81.50	24.500' LT	0+41.69	881.55	879.07	2.48 ft
END WALL	135+81.72	28.427' LT	------	881.53	880.07	1.46 ft

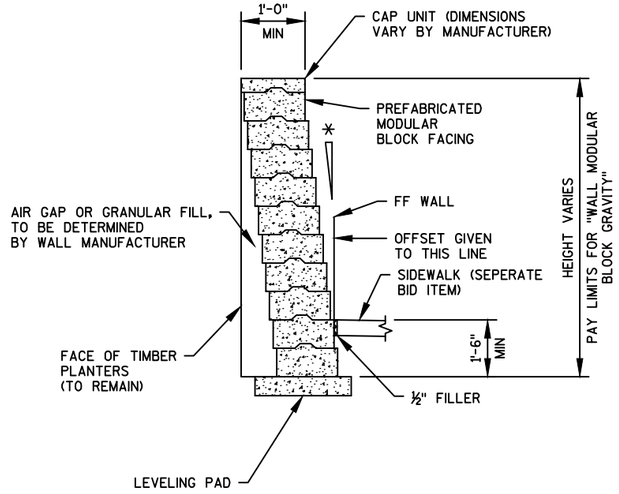
SOIL PARAMETERS - WALL #4

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE TO DENSE SILTY GRAVEL WITH SAND EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 870 - < EL. 869	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF



PLAN VIEW - WALL #5



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM
"WALL MODULAR BLOCK GRAVITY"

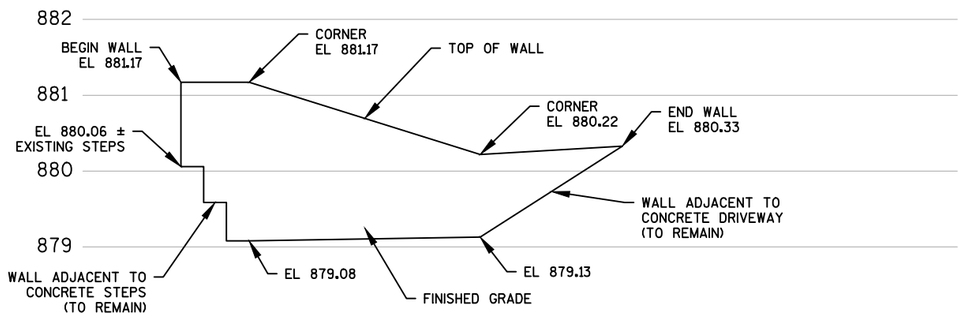
NOTES:

* SETBACK VARIES BY MANUFACTURER
MAXIMUM FRONT FACE SLOPE FROM
VERTICAL IS 1 HORIZONTAL TO 4 VERTICAL

MODULAR BLOCKS ARE TO BE TAN IN COLOR AND HAVE A SPLIT FACE FINISH. FINAL COLOR AND TEXTURE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

ANY UNSUITABLE FILL OR COMPRESSIBLE CLAY ENCOUNTERED BELOW THE LEVELING PAD SHALL BE REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO WALL CONSTRUCTION. LIMITS TO BE DETERMINED BY THE REGIONAL SOILS ENGINEER.

ALL COURSES SHALL BE PLACED LEVEL AND THE JOINTS SHALL BE STAGGERED.



ELEVATION VIEW - WALL #5

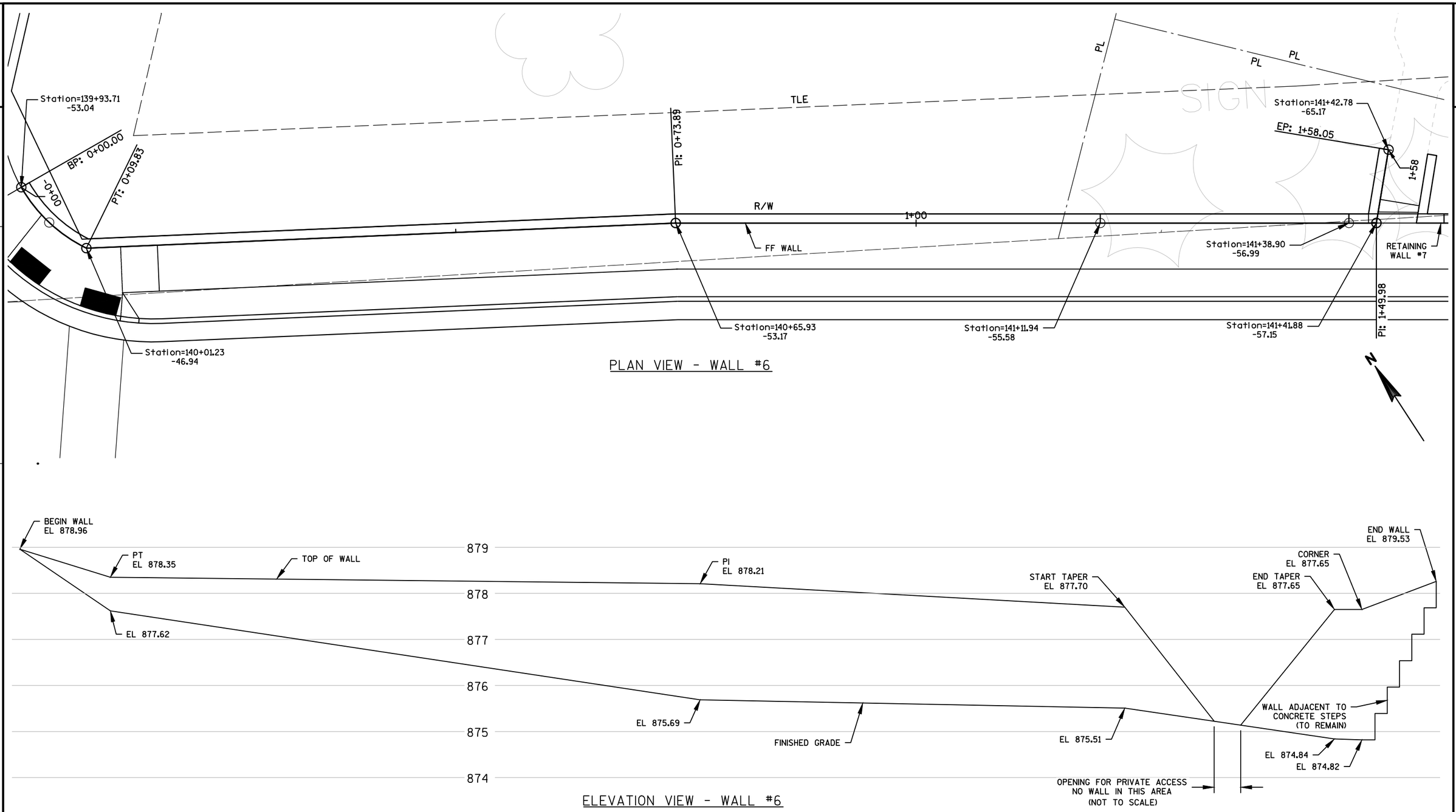
GEOMETRY TABLE - WALL #5

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	135+86.12	29.001' LT	0+00.00	881.17	880.06	1.11 ft
CORNER	135+86.04	24.500' LT	0+04.50	881.17	879.08	2.09 ft
CORNER	136+01.30	24.500' LT	0+19.76	880.22	879.13	1.09 ft
END WALL	136+00.95	33.874' LT	0+29.14	880.33	880.33	0.00 ft

SOIL PARAMETERS - WALL #5

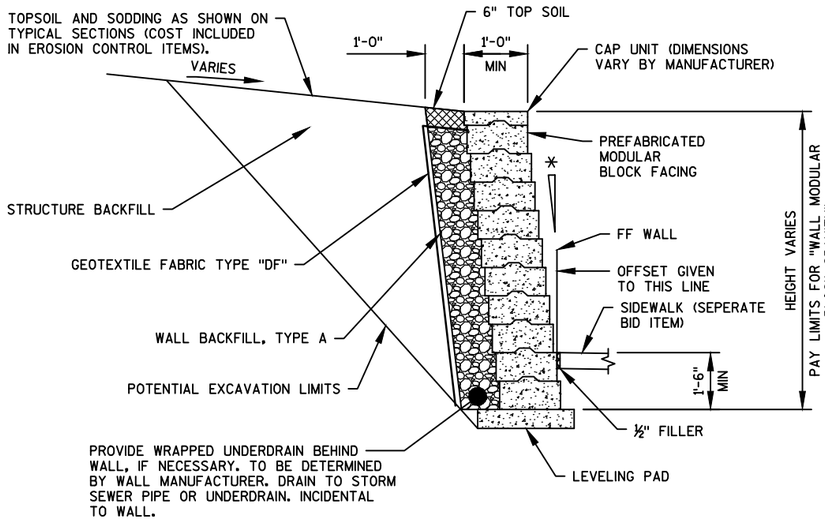
STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE TO DENSE SILTY GRAVEL WITH SAND EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 870 - < EL. 869	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF



SEE SECOND SHEET OF "CONSTRUCTION DETAILS - RETAINING WALL #6" FOR TYPICAL SECTIONS, NOTES, WALL GEOMETRY TABLE AND SOIL PARAMETERS.

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION DETAILS - RETAINING WALL #6	SHEET 42	E



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"

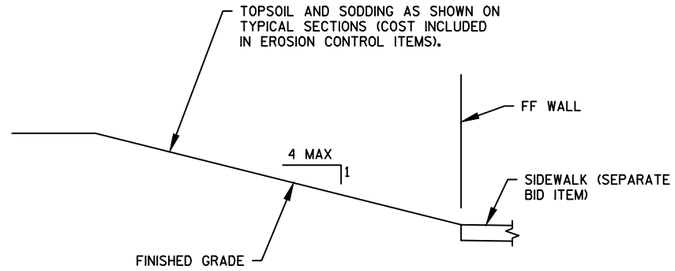
NOTES:

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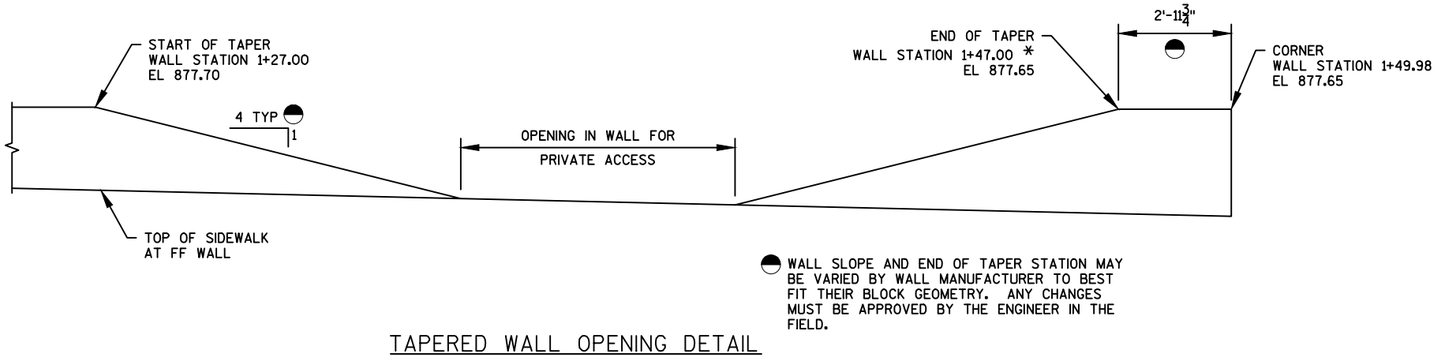
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TYPICAL SECTION AT WALL OPENING



TAPERED WALL OPENING DETAIL

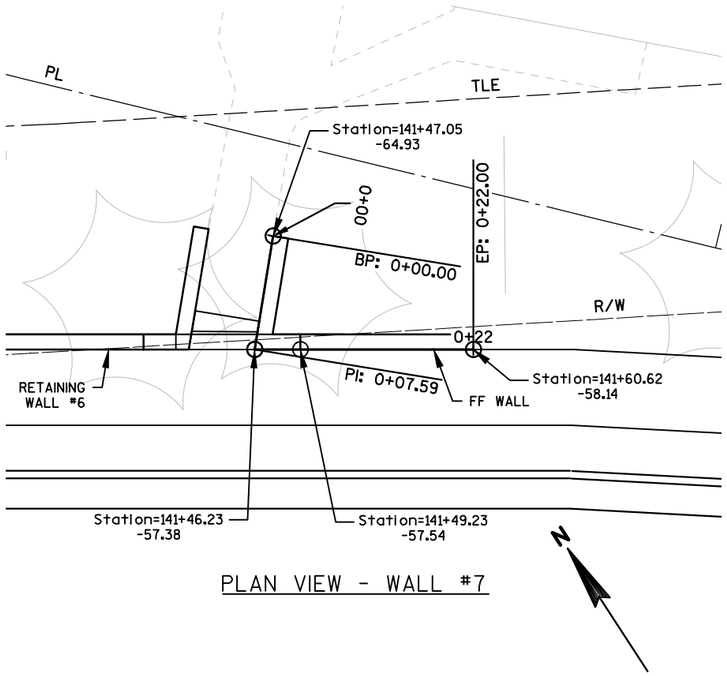
GEOMETRY TABLE - WALL #6

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	139+93.71	53.039' LT	0+00.00	878.96	878.96	0.00 ft
PC	140+01.23	46.942' LT	0+09.83	878.35	877.62	0.73 ft
PI	140+65.93	53.169' LT	0+73.89	878.21	875.69	2.52 ft
START TAPER	141+11.94	55.582' LT	1+20.00	877.70	875.51	2.19 ft
END TAPER	141+38.90	56.993' LT	1+47.00	877.65	874.84	2.81 ft
CORNER	141+41.88	57.153' LT	1+49.98	877.65	874.82	2.83 ft
END WALL	141+42.78	65.173' LT	1+58.05	878.26	878.26	0.00 ft

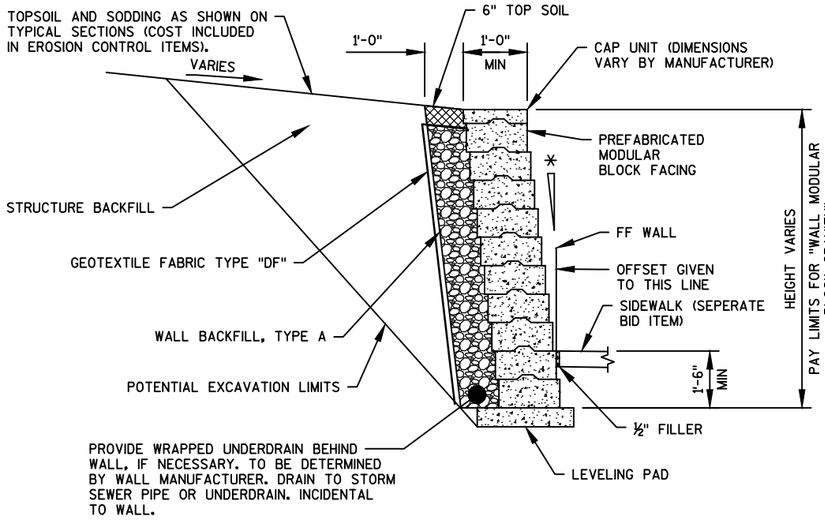
SOIL PARAMETERS - WALL #6

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE TO DENSE SILTY GRAVEL WITH SAND EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 870 - < EL. 869	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF



PLAN VIEW - WALL #7



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"

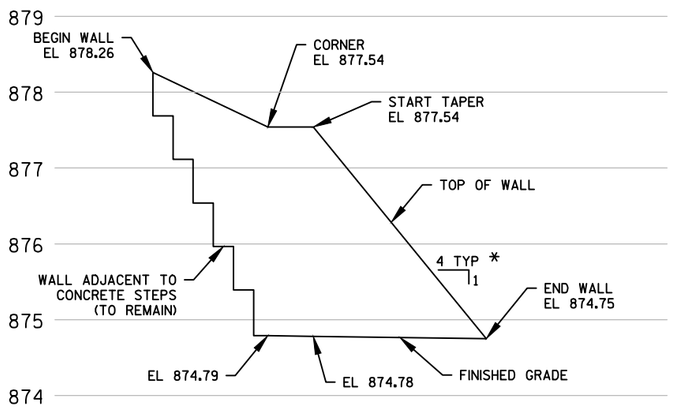
NOTES:

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MODULAR BLOCKS ARE TO BE TAN IN COLOR AND HAVE A SPLIT FACE FINISH. FINAL COLOR AND TEXTURE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

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ALL COURSES SHALL BE PLACED LEVEL AND THE JOINTS SHALL BE STAGGERED.



ELEVATION VIEW - WALL #7

* WALL SLOPE AND START OF TAPER STATION MAY BE VARIED BY WALL MANUFACTURER TO BEST FIT THEIR BLOCK GEOMETRY.

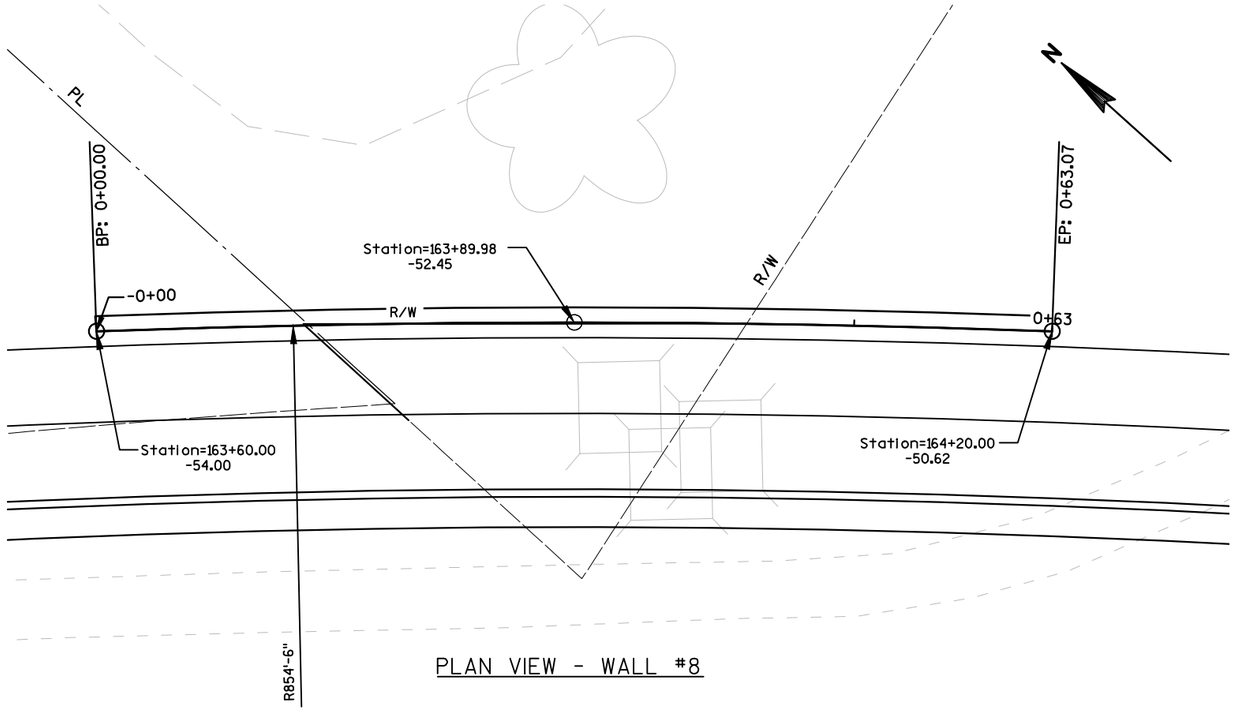
GEOMETRY TABLE - WALL #7

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	141+47.05	64.929' LT	0+00.00	878.26	878.26	0.00 ft
CORNER	141+46.23	57.382' LT	0+07.59	877.54	874.79	2.75 ft
START TAPER	141+49.23	57.540' LT	0+10.59	877.54	874.78	2.76 ft
END WALL	141+60.62	58.139' LT	0+22.00	874.75	874.75	0.00 ft

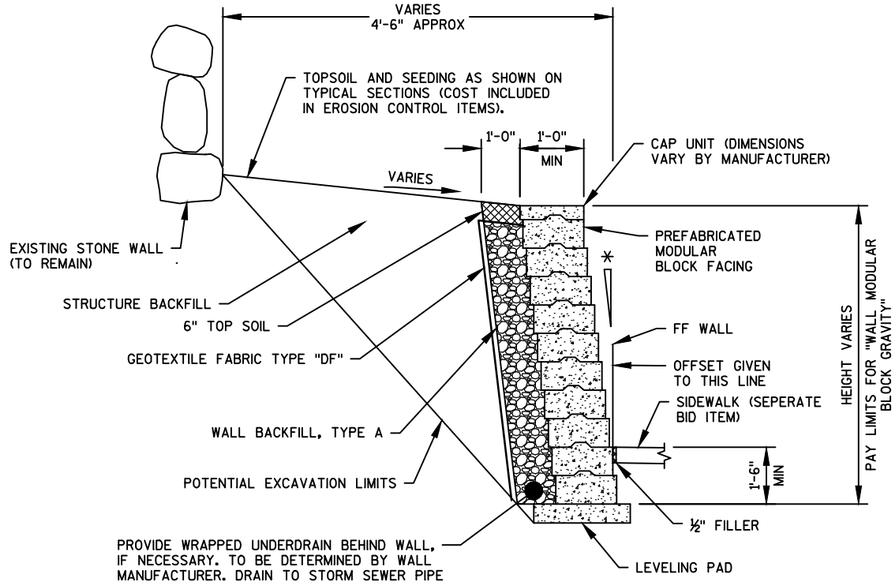
SOIL PARAMETERS - WALL #7

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE TO DENSE SILTY GRAVEL WITH SAND EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 870 - < EL. 869	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF

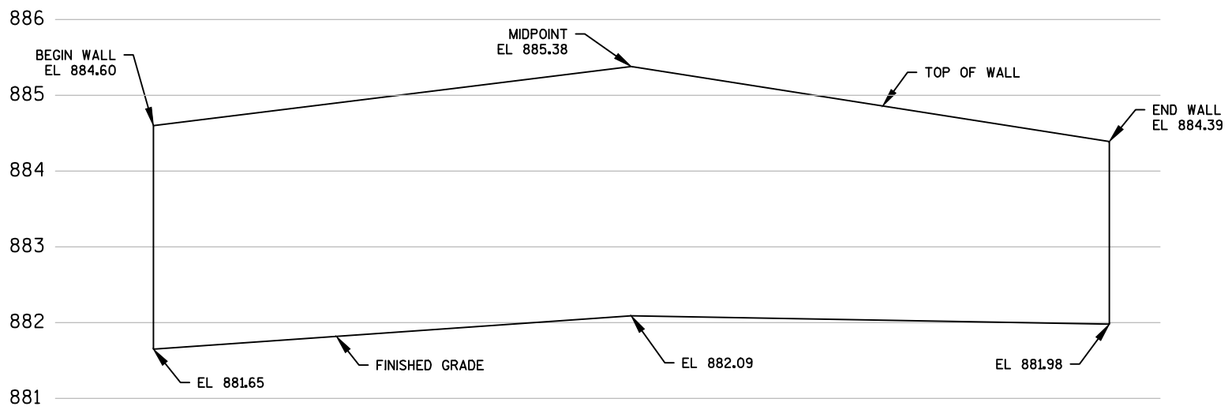


PLAN VIEW - WALL #8



TYPICAL MODULAR BLOCK GRAVITY WALL SECTION

UNLESS NOTED ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE BID ITEM "WALL MODULAR BLOCK GRAVITY"



ELEVATION VIEW - WALL #8

GEOMETRY TABLE - WALL #8

	STATION USH 14	OFFSET USH 14	Wall Station	Top of Wall Elevation	Finished Grade Elevation	Exposed Height
BEGIN WALL	163+60.00	54.000' LT	0+00.00	884.60	881.65	2.95 ft
MIDPOINT	163+89.98	52.446' LT	0+31.53	885.38	882.09	3.29 ft
END WALL	164+20.00	50.623' LT	0+63.07	884.39	881.98	2.41 ft

SOIL PARAMETERS - WALL #8

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL	125	30	0
LOOSE SAND WITH SILT EL. 878 TO EL. 874	120	30	0
MEDIUM DENSE TO DENSE SILTY GRAVEL WITH SAND EL. 874 TO EL. 870	125	32	0
DENSE TO VERY DENSE GRAVEL WITH SAND EL. 870 - < EL. 869	130	35	0

FACTORED BEARING RESISTANCE = 3000 PSF

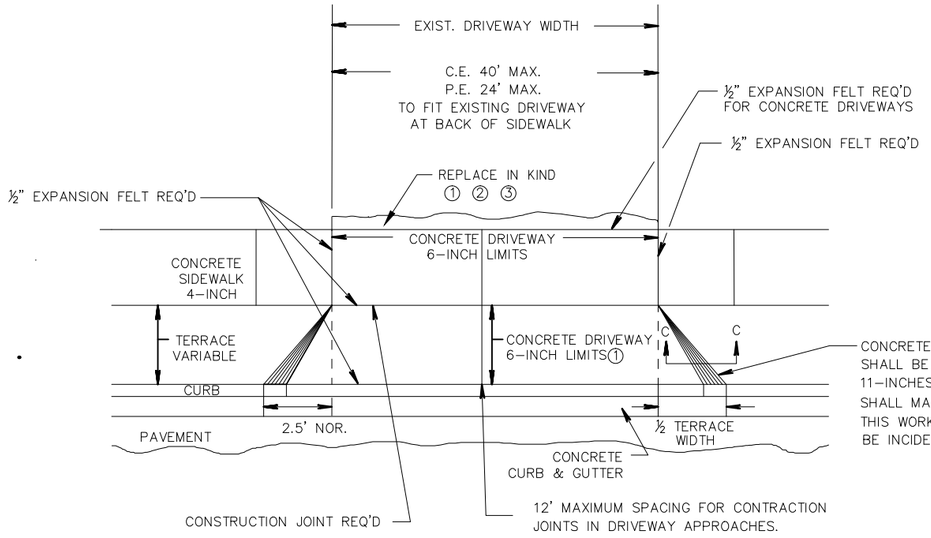
NOTES:

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MODULAR BLOCKS ARE TO BE TAN IN COLOR AND HAVE A SPLIT FACE FINISH. FINAL COLOR AND TEXTURE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

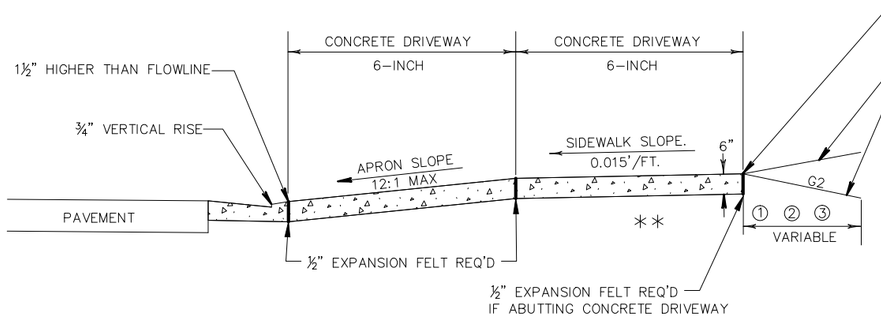
ANY UNSUITABLE FILL OR COMPRESSIBLE CLAY ENCOUNTERED BELOW THE LEVELING PAD SHALL BE REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO WALL CONSTRUCTION. LIMITS TO BE DETERMINED BY THE REGIONAL SOILS ENGINEER.

ALL COURSES SHALL BE PLACED LEVEL AND THE JOINTS SHALL BE STAGGERED.



CONCRETE IN THE TAPER AREA SHALL BE TAPERED TO A DEPTH OF 11-INCHES AND THE EXPANSION FELT SHALL MATCH THIS DEPTH. THIS WORK AND MATERIAL WILL BE INCIDENTAL TO THE BID ITEM.

PLAN VIEW



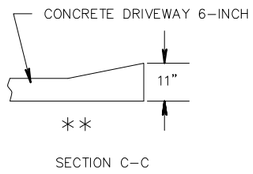
TYPICAL SIDEWALK SECTION

① — CONCRETE DRIVEWAY
CONCRETE DRIVEWAY 6-INCH OR
CONCRETE DRIVEWAY 6-INCH H.E.S. /
6" BASE AGGREGATE DENSE 1¼-INCH

② — ASPHALT DRIVEWAYS
2" ASPHALTIC SURFACE DRIVEWAYS
AND FIELD ENTRANCES / 6" BASE
AGGREGATE DENSE 1¼-INCH

③ — ASPHALT PARKING LOT
4" ASPHALTIC SURFACE DRIVEWAYS
AND FIELD ENTRANCES / 10" BASE
AGGREGATE DENSE 1¼-INCH

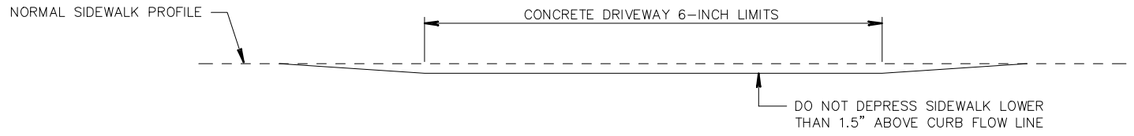
∗∗ = 6" BASE AGGREGATE DENSE 1¼-INCH
REQ'D UNDER CONCRETE DRIVEWAY 6-INCH



SECTION C-C

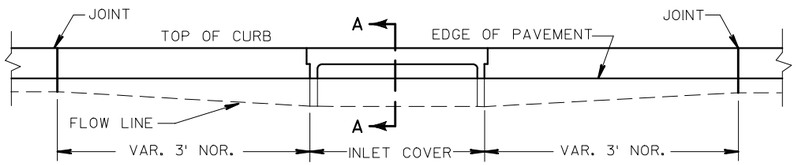
NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

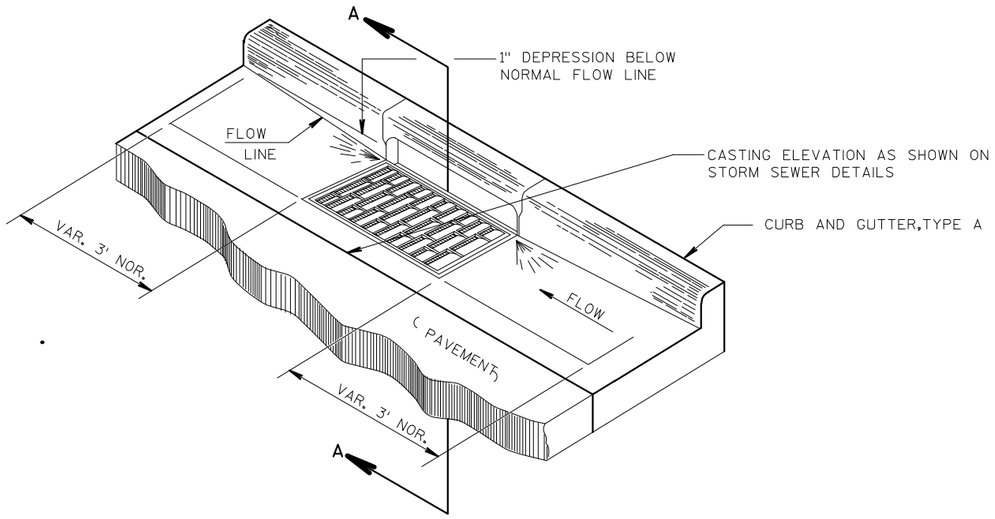


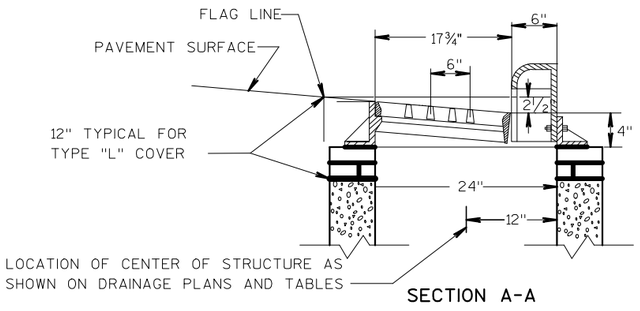
DEPRESSED SIDEWALK PROFILE DETAIL

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER



ELEVATION

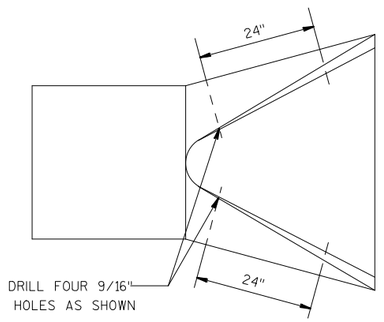


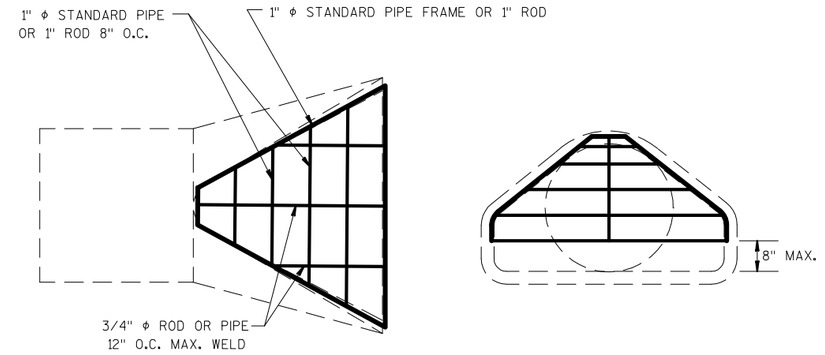


SECTION A-A

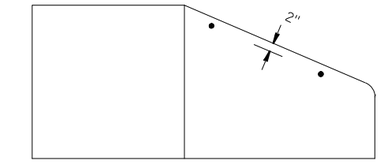
DETAIL OF CURB AND GUTTER AT INLETS

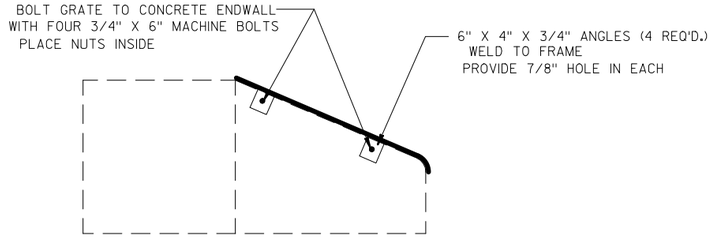
(INLETS 2X3FT SHOWN)





AT EACH PIPE





PIPE GRATE DETAIL

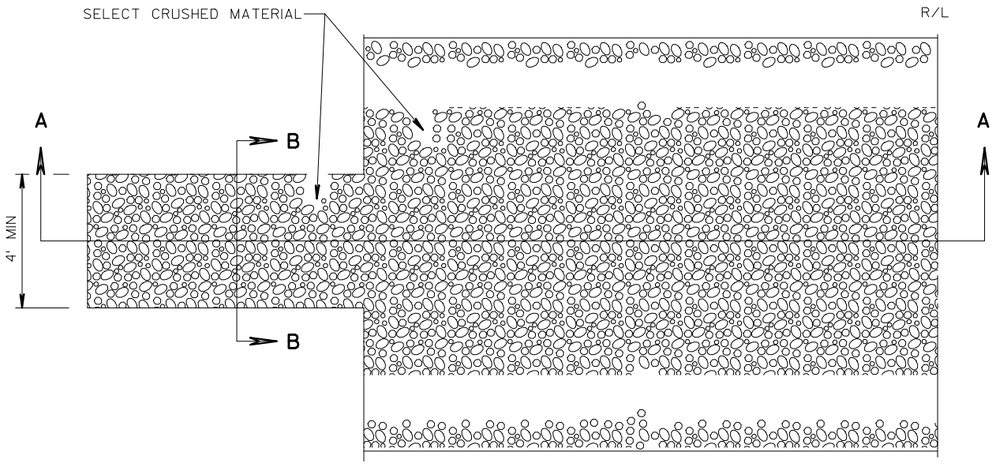
RUNOFF COEFFICIENT TABLE

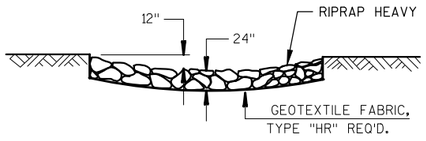
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 90 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 62 ACRES

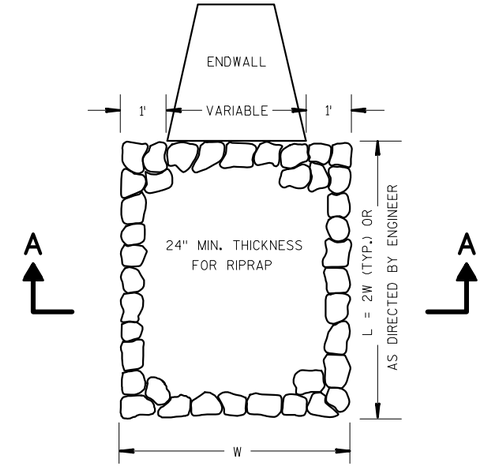
2

PLAN VIEW

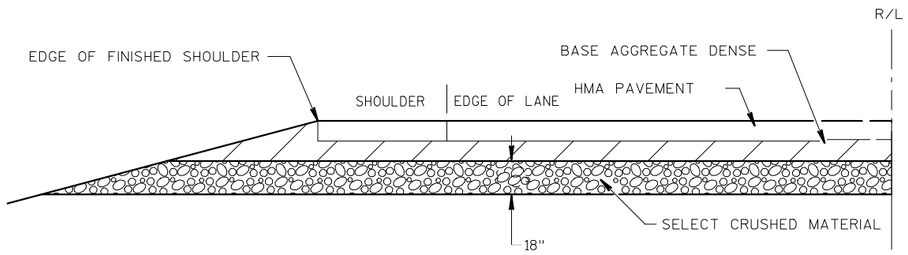




SECTION A-A



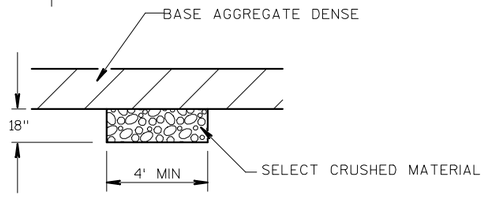
RIPRAP TREATMENT AT CULVERTS



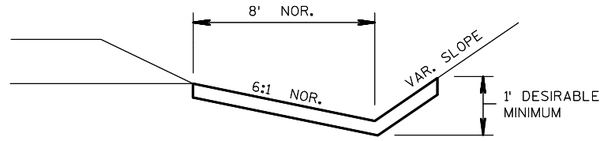
SECTION A-A

DETAIL FOR SELECT CRUSHED MATERIAL FRENCH DRAINS

(LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER, 200' NORMAL)

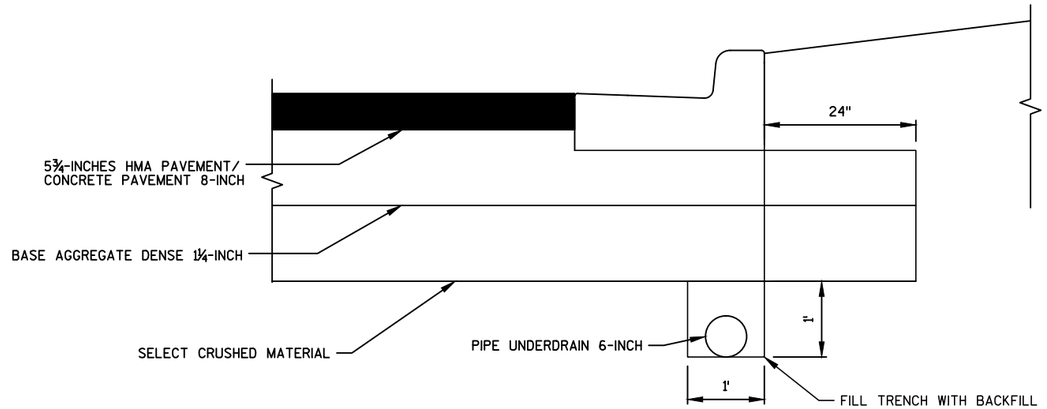


SECTION B-B



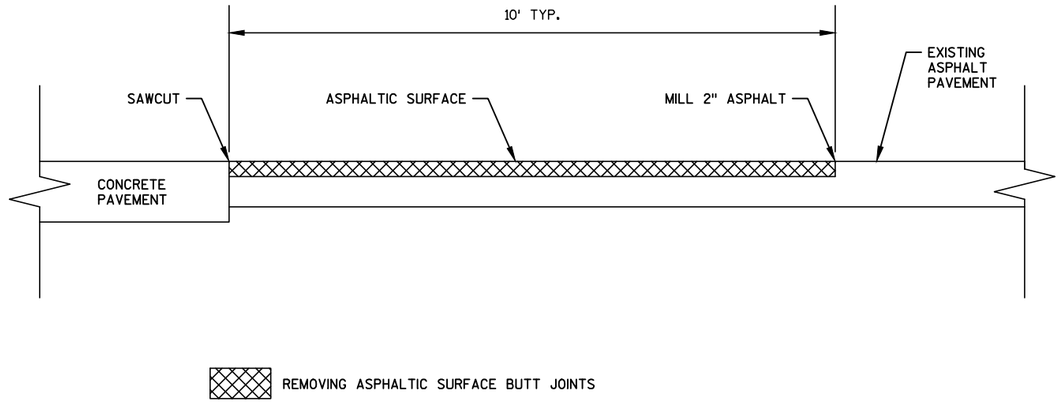
EROSION MAT DETAIL FOR DITCHES

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 48	E

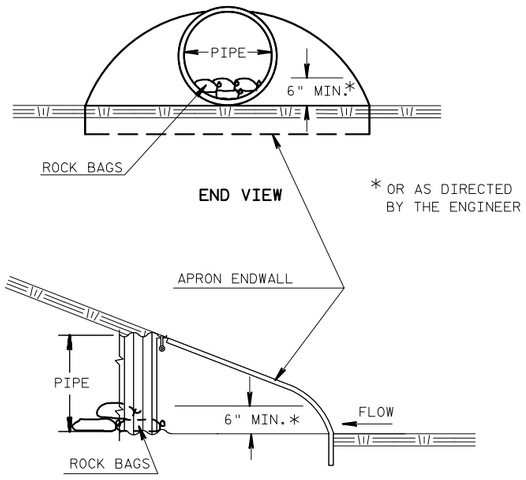


NOTE: PIPE UNDERDRAIN IS TO BE DISCHARGED INTO THE INLETS
ADJUST GRADE TO ENSURE DRAINAGE

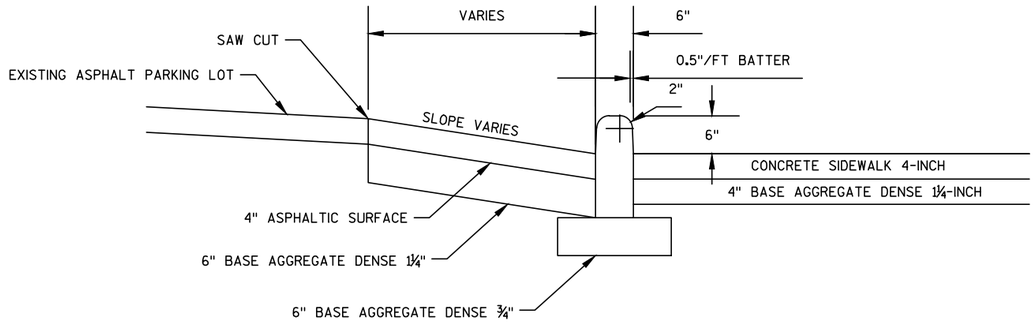
DETAIL FOR PIPE UNDERDRAIN 6-INCH



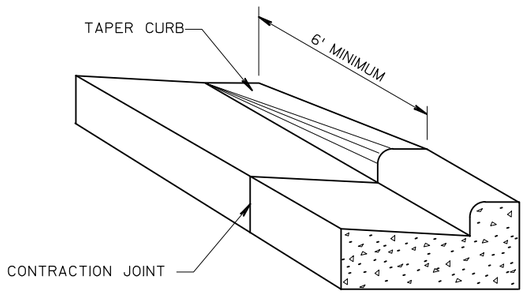
DETAIL FOR REMOVING ASPHALTIC SURFACE BUTT JOINTS



CULVERT PIPE CHECKS

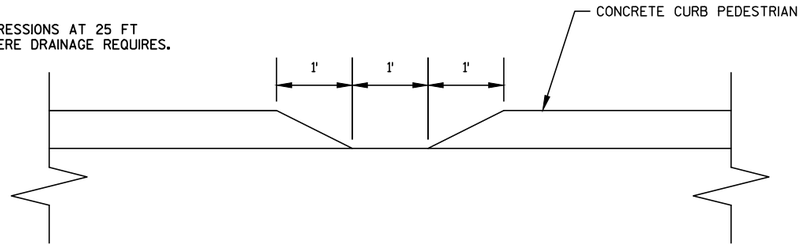


CONCRETE CURB PEDESTRIAN
(AT ADJACENT PARKING AREAS)

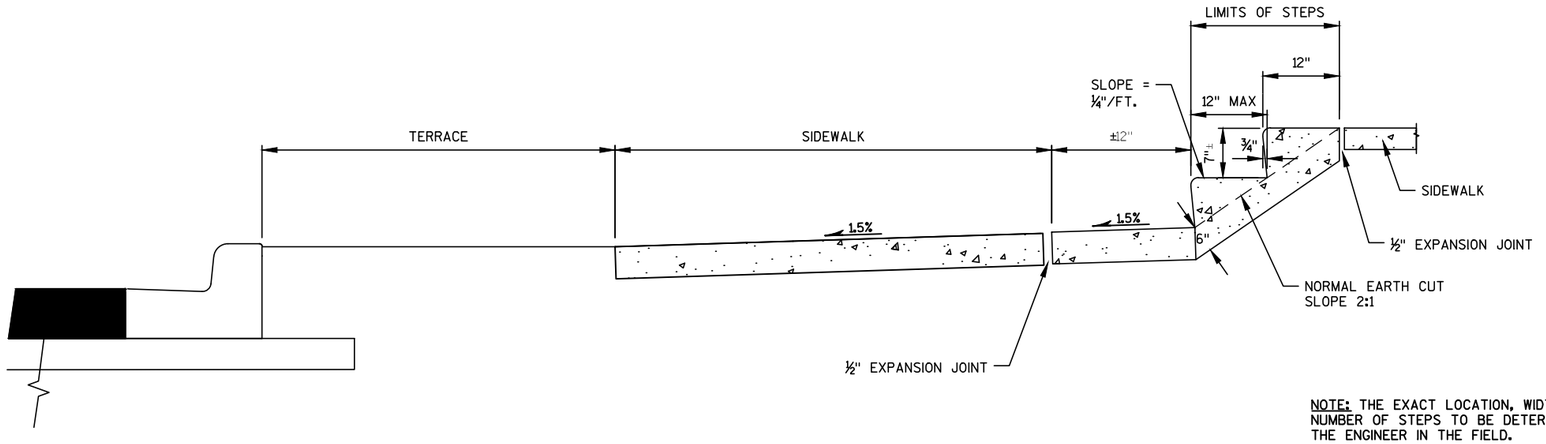


DETAIL OF CURB & GUTTER TERMINI

NOTE: SPACE DEPRESSIONS AT 25 FT INTERVALS OR WHERE DRAINAGE REQUIRES.



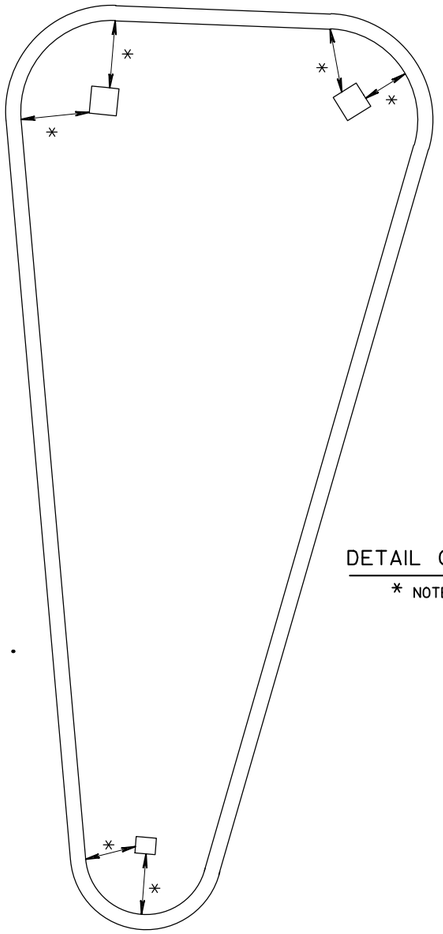
CONCRETE CURB PEDESTRIAN DEPRESSION
(AT LOW POINTS OF ADJACENT PARKING AREAS)



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

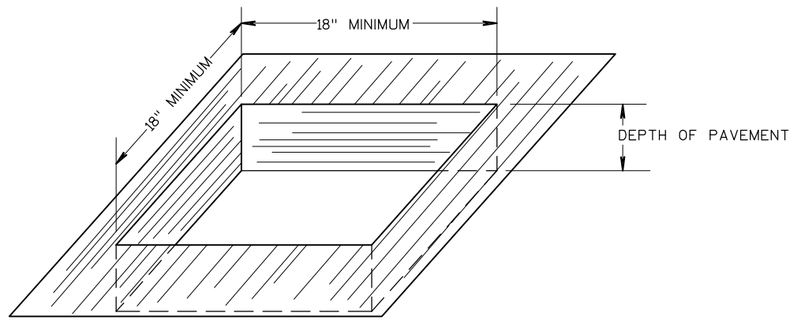
MINIMUM WIDTH OF STEP EQUALS 4 FEET.

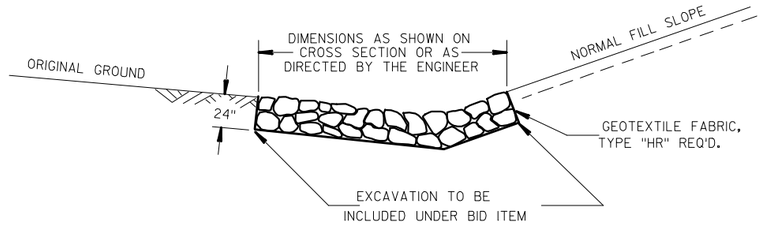
CONCRETE STEPS DETAIL



DETAIL OF OPENINGS IN ISLAND FOR SIGN PLACEMENT

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



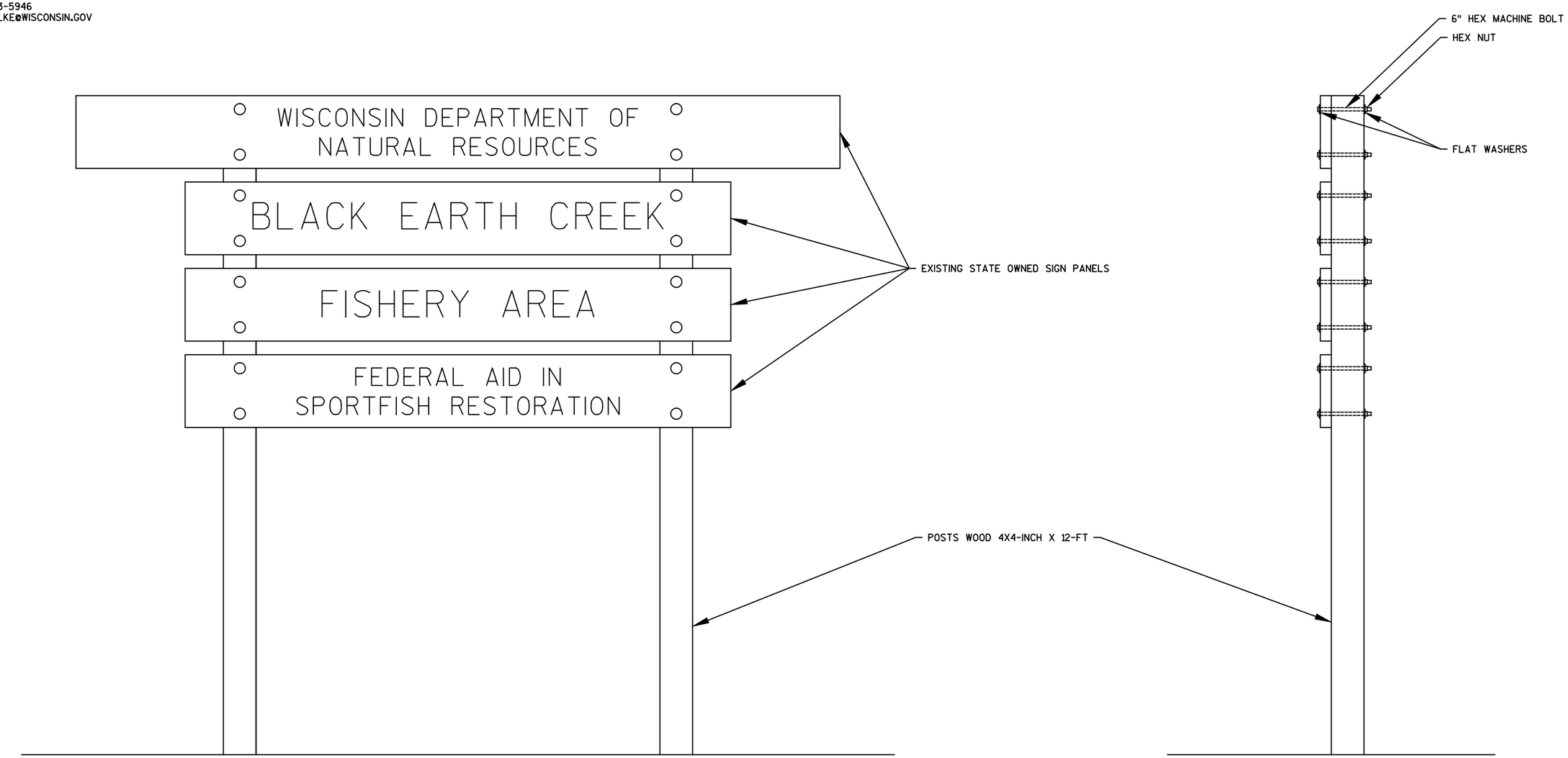


DETAIL FOR RIPRAP HEAVY IN DITCHES

GENERAL NOTES:

CONTACT KURT WELKE, DANE COUNTY FISHERIES MANAGER, FOR PICKUP OF SIGN AND POSTS.

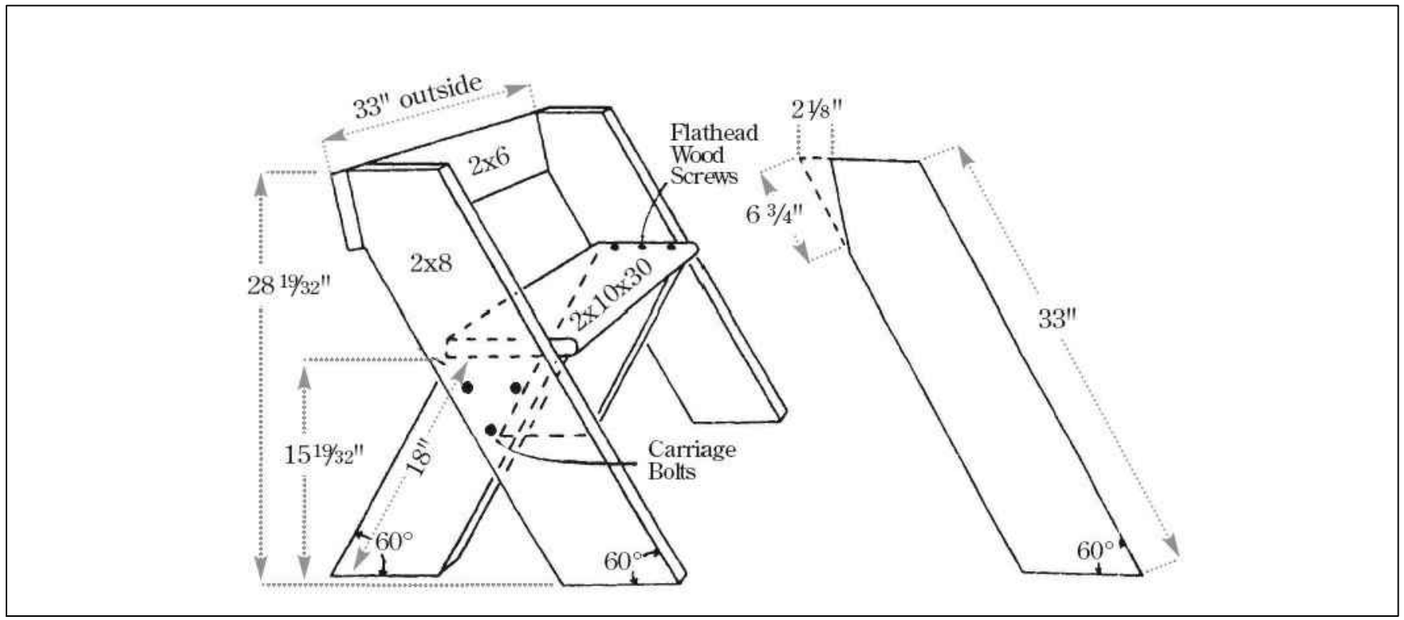
CONTACT INFO:
KURT WELKE
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
DANE COUNTY FISHERIES MANAGER
PHONE: (608) 273-5946
E-MAIL: KURT.WELKE@WISCONSIN.GOV



SALVAGE OF FISHERY SIGN

CONTACT INFO:

KURT WELKE
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
DANE COUNTY FISHERIES MANAGER
PHONE: (608) 273-5946
E-MAIL: KURT.WELKE@WISCONSIN.GOV



MATERIALS LIST:

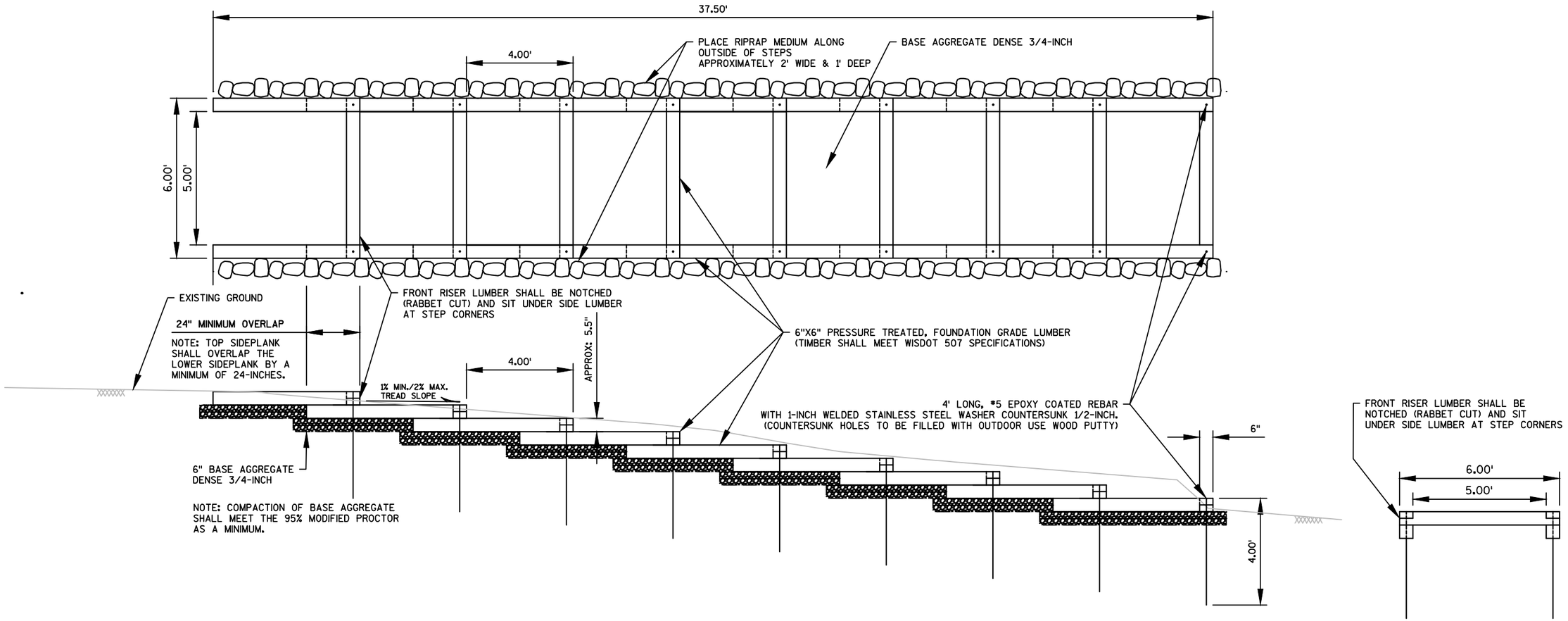
1 - 2"X6"X33"
1 - 2"X10"X30"
1 - 2"X8"X10'
6 - 3/8"X3-1/2" CARRIAGE BOLTS WITH WASHERS AND NUTS
12 - 3/8"X3-1/2" #12 OR #14 FLATHEAD WOOD SCREWS

SEE SECTION 507.2.2 OF THE STANDARD SPECIFICATIONS FOR LUMBER AND TIMBER REQUIREMENTS.
SEE SECTION 507.2.6 OF THE STANDARD SPECIFICATIONS FOR HARDWARE REQUIREMENTS.

LEOPOLD BENCH

2

N



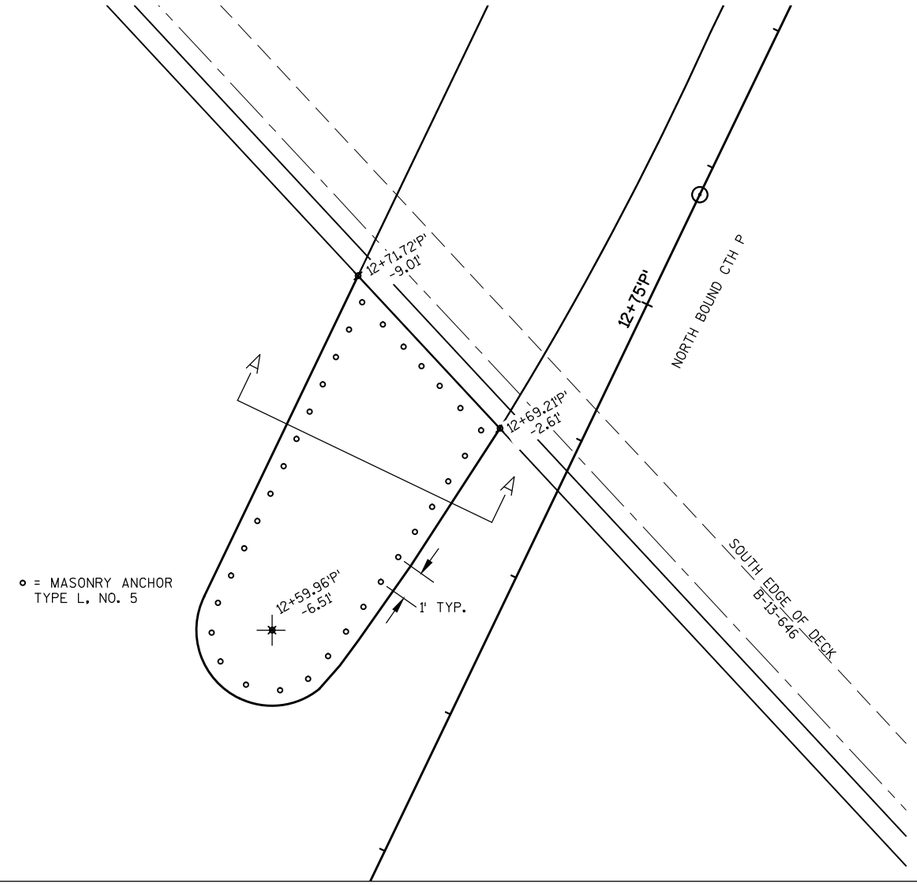
TIMBER STEPS

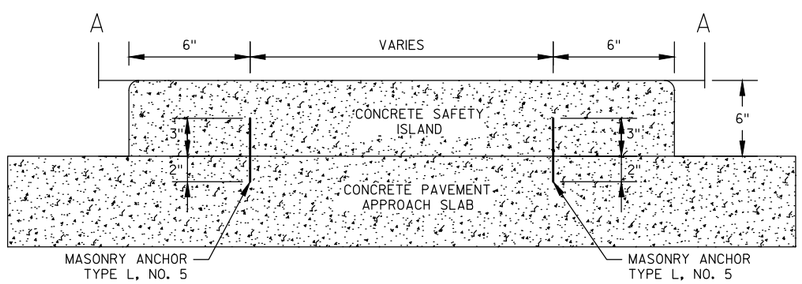
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 54	E





2

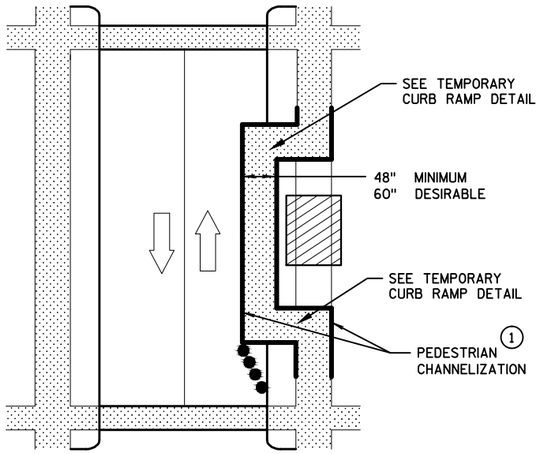




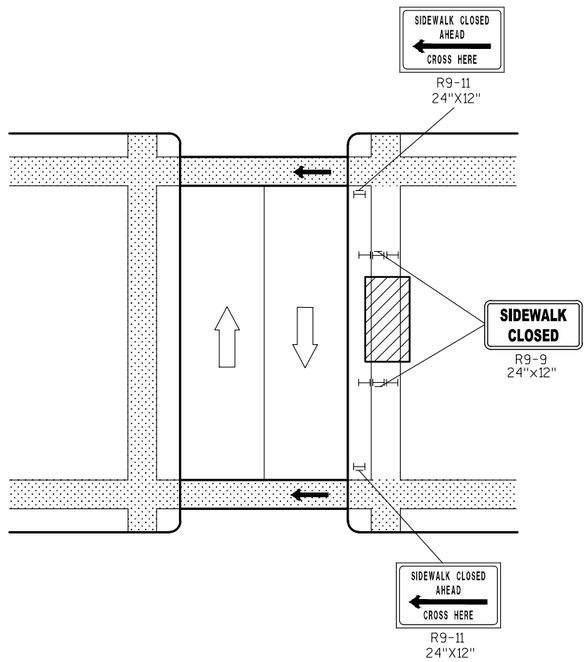
CONCRETE SAFETY ISLAND

2

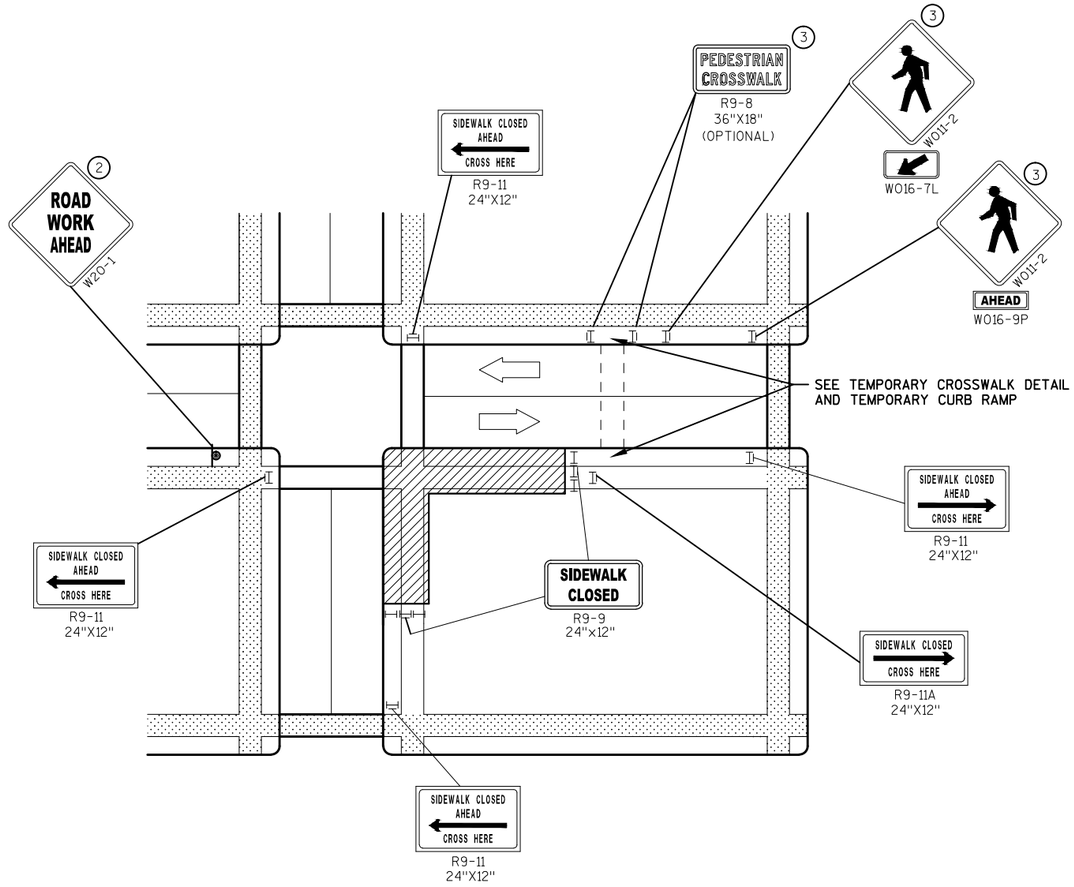
NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.



ROADWAY
SIDEWALK DIVERSION



SIDEWALK CLOSURE, MIDBLOCK



SIDEWALK CLOSURE, CORNER

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR OTHER PEDESTRIAN FACILITIES PROVIDE ADA COMPLIANT FACILITIES. INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES BY PROVIDING ADEQUATE SLOPE TRANSITIONS AND SURFACING.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

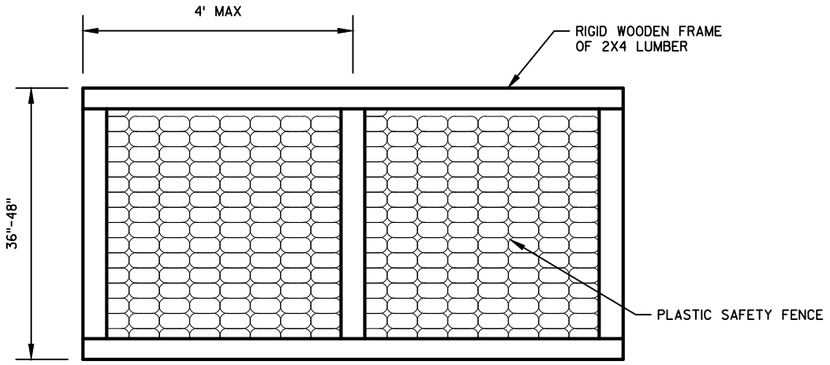
(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

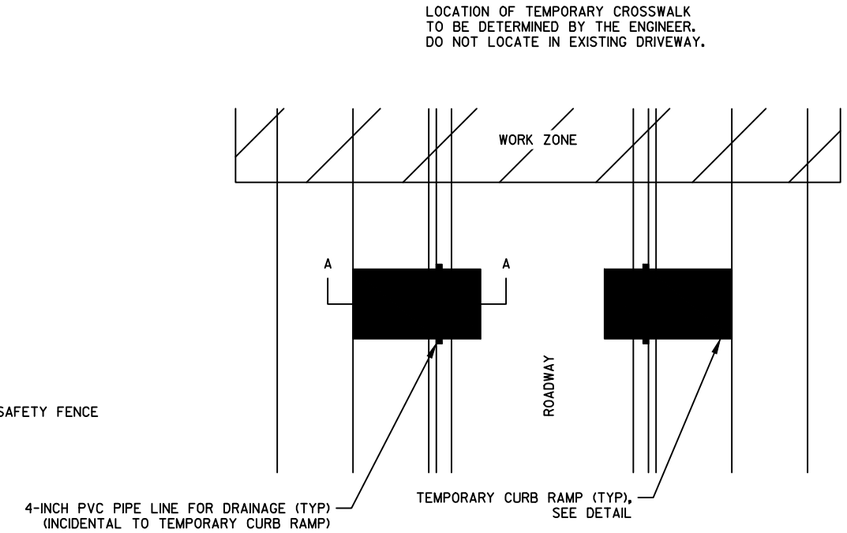
(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGNS

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE I I BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM



PEDESTRIAN SAFETY BARRIER



TEMPORARY CROSSWALK DETAIL

USED AT NON-SIGNALIZED INTERSECTIONS

TRAFFIC CONTROL GENERAL NOTES

FOR NIGHTTIME CLOSURES USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES SUPPORTING SIGNS AND CLOSING SIDEWALKS. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPERATING THE WORK AREA FROM VEHICULAR TRAFFIC.

POST MOUNTED SIGNS LOCATED NEAR OR ADJACENT TO A SIDEWALK SHALL HAVE A 7' MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK.

FOR LONG-TERM STATIONARY WORK, THE DOUBLE YELLOW CENTERLINE AND/OR LANE LINES SHOULD BE REMOVED BETWEEN CROSS WALK LINES.

A CONTINUOUS TEMPORARY PEDESTRIAN ACCESS ROUTE INCLUDING ACCESSIBLE CROSSWALKS IS REQUIRED IN THE NORTH-SOUTH AND EAST-WEST DIRECTION OF THE RECONSTRUCT AREA AT ALL TIMES.

THE TEMPORARY PEDESTRIAN ACCESS ROUTE MAY BE EXISTING OR NEW SIDEWALK, ASPHALTIC SURFACE TEMPORARY, OR OTHER HARD STABLE SURFACE APPROVED BY THE ENGINEER.

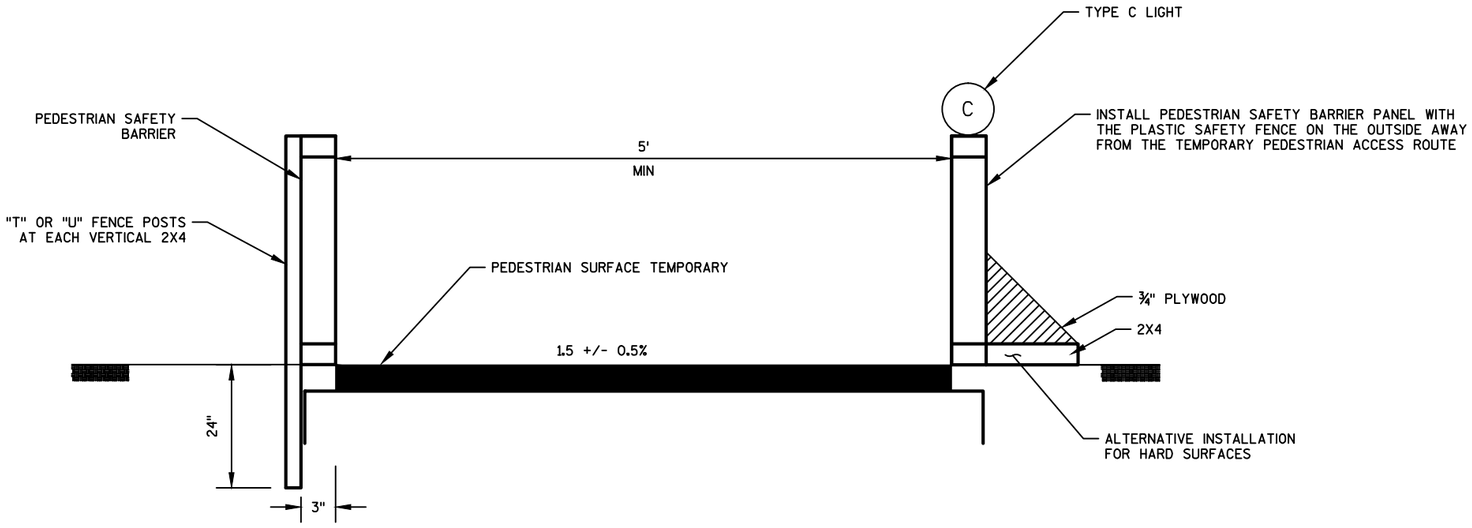
THE TEMPORARY PEDESTRIAN ACCESS ROUTE CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS ACCESS THROUGHOUT THE RECONSTRUCTION PROJECT, REFER TO THE TRAFFIC CONTROL CONSTRUCTION DETAILS, TEMPORARY PEDESTRIAN ACCESS ROUTES, AND THE CONSTRUCTION DETAILS SHOWN ON THIS SHEET.

SURFACE APPLIED DETECTABLE WARNING AND 4-INCH PVC (IF NEEDED FOR DRAINAGE) SHALL BE INCIDENTAL TO THE ITEM, TEMPORARY CURB RAMP.

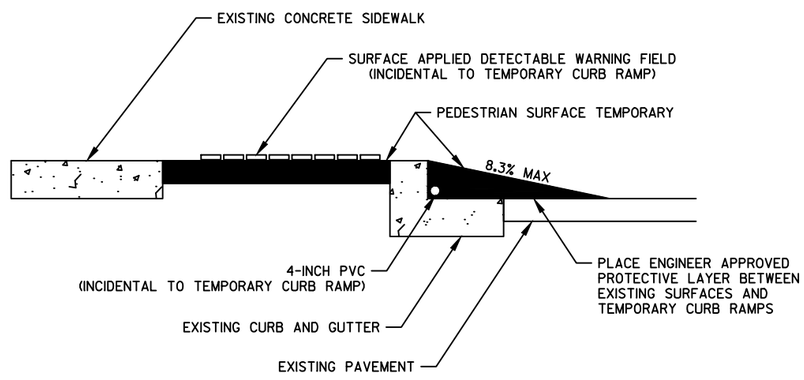
TEMPORARY PEDESTRIAN ACCESS ROUTE CROSSWALKS SHALL BE PROVIDED AT ALL TIMES FOR ONE NORTH-SOUTH AND ONE EAST-WEST LEG OF EACH INTERSECTION WORK ZONE AS SHOWN ON THE "TEMPORARY PEDESTRIAN ACCESS ROUTES DETAIL".

THE INTERSECTIONS IN THE WORK ZONE AREAS WILL PROVIDE ACCESSIBLE ACCESS BY STAGING THE CONSTRUCTION OF THE NEW CURB RAMPS TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS USING TEMPORARY PEDESTRIAN ACCESS ROUTES TO SIDEWALK ON OPPOSITE SIDES OF THE ROADWAY. SEE TRAFFIC CONTROL, SIDEWALK CLOSURE STANDARD DETAIL DRAWING FOR SIGNING OF THE TEMPORARY CROSSWALK LOCATIONS.

PEDESTRIAN SAFETY BARRIER CAN BE PLASTIC SAFETY FENCE WITH PERIMETER WOODEN FRAME OR OTHER BARRIER SYSTEM APPROVED BY THE ENGINEER.



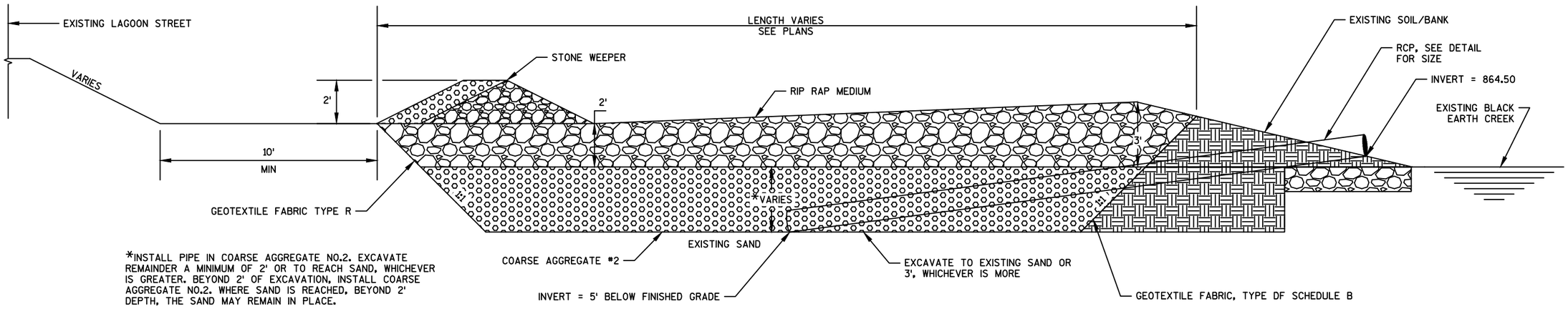
TEMPORARY PEDESTRIAN ACCESS ROUTE



SECTION A-A

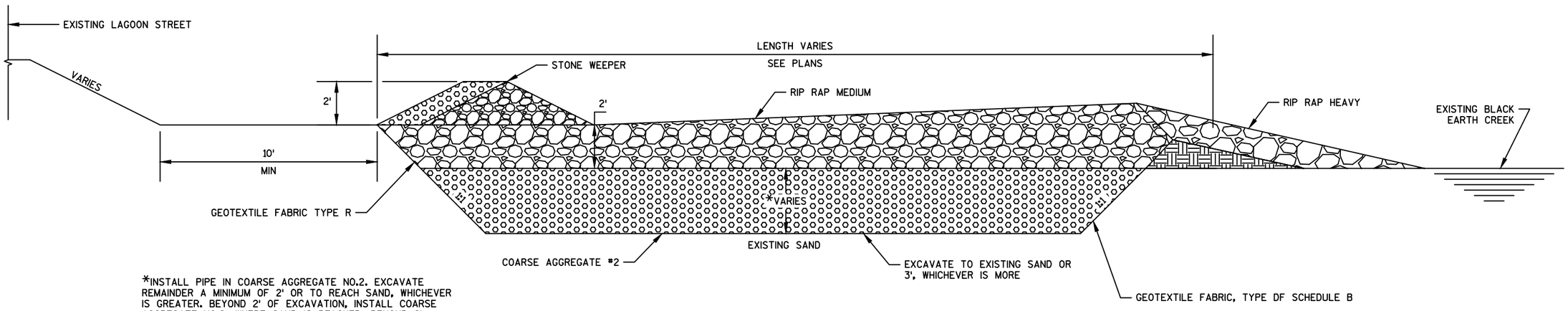
TEMPORARY CURB RAMP DETAIL

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - PEDESTRIAN ACCESS DETAILS	SHEET 57	E



*INSTALL PIPE IN COARSE AGGREGATE NO.2. EXCAVATE REMAINDER A MINIMUM OF 2' OR TO REACH SAND, WHICHEVER IS GREATER. BEYOND 2' OF EXCAVATION, INSTALL COARSE AGGREGATE NO.2. WHERE SAND IS REACHED, BEYOND 2' DEPTH, THE SAND MAY REMAIN IN PLACE.

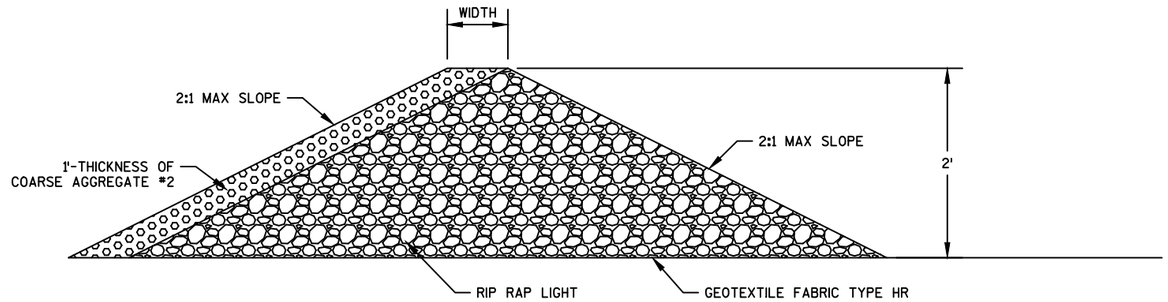
FLOW DISPERSAL ROCK CRIB
TYPICAL SECTION AT PIPE, A-A



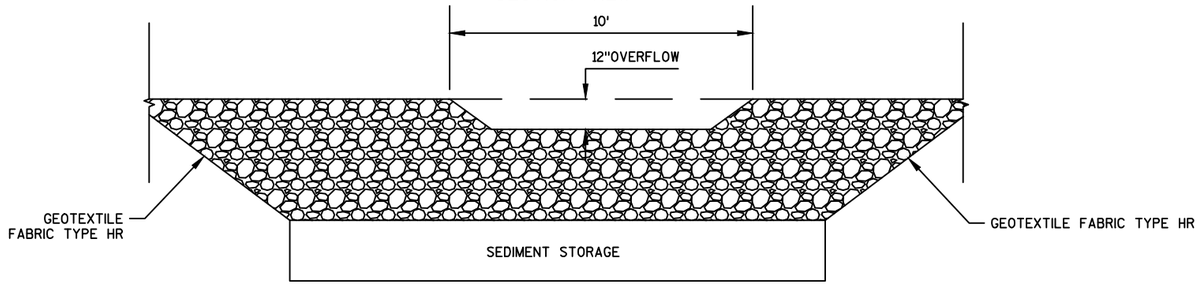
*INSTALL PIPE IN COARSE AGGREGATE NO.2. EXCAVATE REMAINDER A MINIMUM OF 2' OR TO REACH SAND, WHICHEVER IS GREATER. BEYOND 2' OF EXCAVATION, INSTALL COARSE AGGREGATE NO.2. WHERE SAND IS REACHED, BEYOND 2' DEPTH, THE SAND MAY REMAIN IN PLACE.

FLOW DISPERSAL ROCK CRIB
TYPICAL SECTION AT OVERFLOW B-B

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 58	E



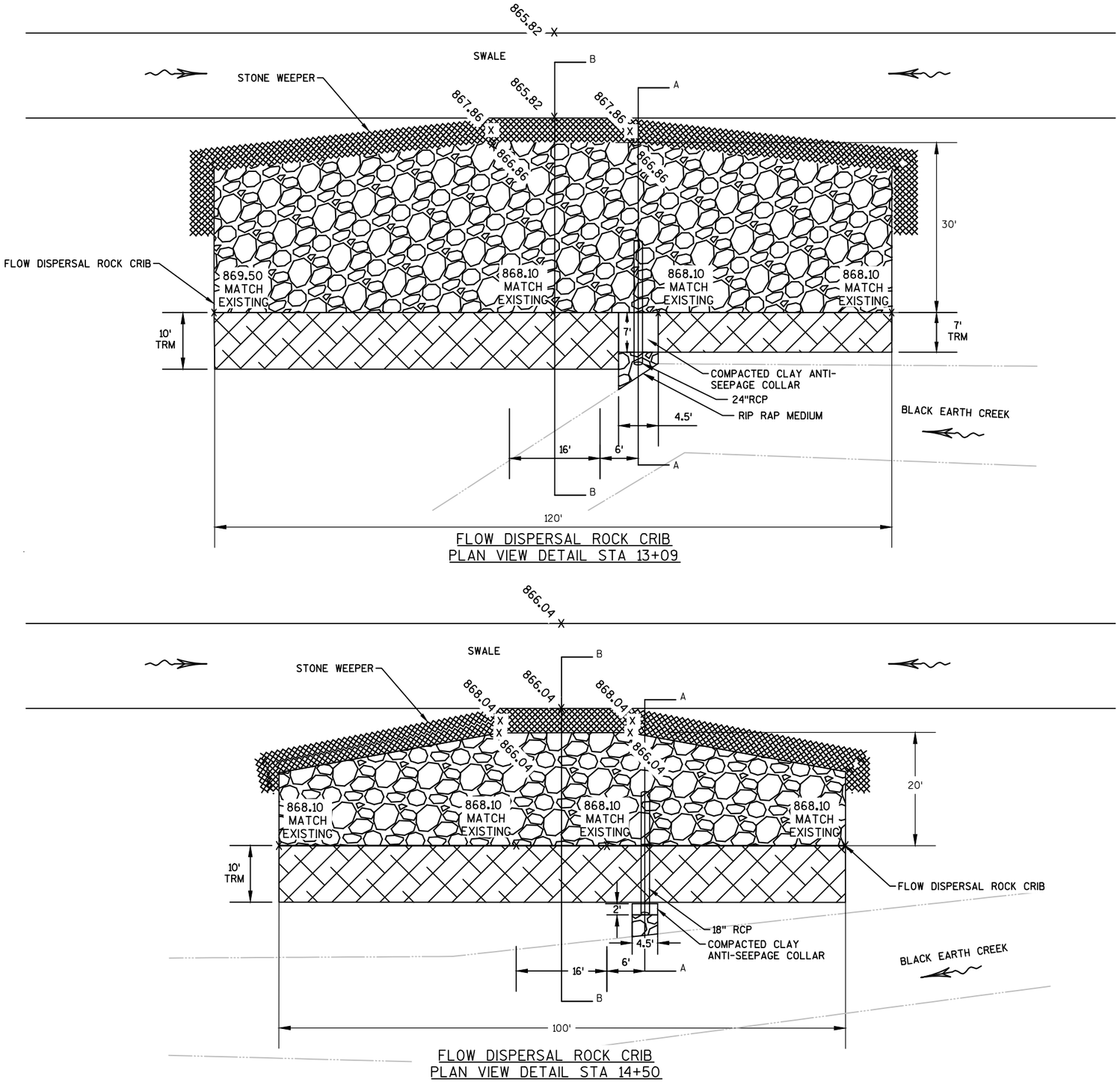
SECTION VIEW



FRONT VIEW

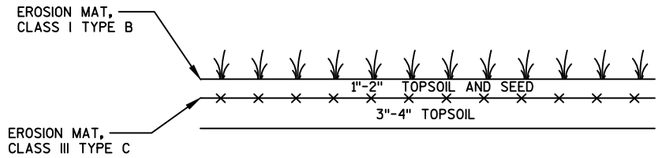
STONE WEEPER DETAIL
NOT TO SCALE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 59	E



FLOW DISPERSAL ROCK CRIB
PLAN VIEW DETAIL STA 13+09

FLOW DISPERSAL ROCK CRIB
PLAN VIEW DETAIL STA 14+50



TURF REINFORCEMENT MAT (TRM) DETAIL

2

2

MARKET STREET

BEGIN PROJECT
STA 104+78.19

VILLAGE OF
CROSS PLAINS
UTILITY

KALSCHEUR
IMPLEMENT
COMPANY, INC.
1113 MAIN ST

END CONSTRUCTION
STA=10+64.14'B'
SAWCUT REQ'D

R/W

11+00'B'

WATER STREET

STATE BANK OF CROSS PLAINS

CROSS PLAINS INVESTORS, LLC

1205 MAIN ST

1201 MAIN ST

SLOPE INTERCEPT

MG&E

CAUTION

SIGN

TLE

104+49

105+00

106+00

107+00

10+00'B'

108+00

109+00

110+

STA 110+00

MATCH LINE

USH 14

KALSCHEUR
IMPLEMENT
COMPANY, INC.
1112 MAIN ST

SANDLEWOOD PROPERTIES,
LLC
1114 MAIN ST

JPH PROPERTIES,
LLC 1118 MAIN ST

JAMES AND JUDITH NONN
LIVING TRUST
1200 MAIN ST

PATRICIA A. SCHROEDER

1206 MAIN ST

CTH KP

KEY

- (RSS) REMOVE STORM SEWER
- (RI) REMOVE INLET
- (RMH) REMOVE MANHOLE
- (RP) REMOVE PAVEMENT
- (RCS) REMOVE CONCRETE SIDEWALK
- (RA) REMOVE ASPHALTIC SURFACE MILLING
- (RCB) REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 61	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021010_REMOVALS2.DWG PLOT DATE : 10/7/2014 3:20 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1:40_XREF

2

END CONSTRUCTION
STA=10+48.90'C'
SAWCUT REQ'D

11+00'C'
CENTER STREET

KEVIN J. ENGELIEN
AND
JENNIFER L.
FOERSTER-ENGELIENA
1303 MAIN ST

ZANDER INSURANCE
AGENCY, INC.
1307 MAIN ST

JOSEPH M.
PARRELL
AND
DONNA M.
PARRELL
1311 MAIN ST

VILLAGE OF CROSS PLAINS UTILITIES

RAYMOND M.
BUECHNER
AND
TERESA L.
BUECHNER
1315 MAIN ST

11+00'D'
SPRING STREET

END CONSTRUCTION
STA=10+48.48'D'
SAWCUT REQ'D

JOHN BURANDT
AND
TRACY
BURANDT
1401 MAIN ST

WILLIAM A.
CRUZEN
AND
CHRISTINA L.
CRUZEN
1405 MAIN ST

SLOPE INTERCEPT

CAUTION
MG&E

TLE
R/W
24"
42"
18"
48"

STA 110+00
STA 116+00
111+00
112+00
113+00
114+00
115+00
10+00'C'
10+00'D'
USH 14

MATCH LINE
MATCH LINE

ZANDER'S CREAMERY, INC.
1214 MAIN ST

JOH-MAY
ENTERPRISES, LLC
1300 MAIN ST

JOH-MAY
ENTERPRISES, LLC
1306 MAIN ST

Z BOYS
PROPERTIES,
LLC 1310 MAIN ST

AMACHER PROPERTIES, LLP
1312 MAIN ST
1314 MAIN ST

CHARTER
MG&E

MICHAEL K.
CUNNINGHAM
AND
HEIDI M.
CUNNINGHAM
1404 MAIN ST

CHRISTOPHER L.
LEWIS
AND
CATHERINE M.
LEWIS
1408 MAIN ST

KEY

- RSS REMOVE STORM SEWER
- RI REMOVE INLET
- RMH REMOVE MANHOLE
- RP REMOVE PAVEMENT
- RCS REMOVE CONCRETE SIDEWALK
- RA REMOVE ASPHALTIC SURFACE MILLING
- RCB REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 62	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021010_REMOVALS2.DWG
PLOT DATE : 10/7/2014 3:21 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF

2

N

END CONSTRUCTION
STA=10+56.38'E'
SAWCUT REQ'D

END CONSTRUCTION
STA=10+54.87'F'
SAWCUT REQ'D

11+00'E'

EAST STREET

11+00'F'

MAPLE STREET

10+00'E'

10+00'F'

9+00'E'

STA 116+00

117+00

118+00

119+00

120+00

121+00

122+

STA 122+00

MATCH LINE

MATCH LINE

RICHARD C.
SCHUCHARDT
1411 MAIN ST

PAUL K. WELLNER
AND
KRISTINE L. WELLNER
1415 MAIN ST

DAVID B. RUSSELL
AND
SARA S. RUSSELL
1501 MAIN ST

KEVIN ZANDER
1509 MAIN ST

MID-PLAINS TELEPHONE

CAROLYN
GARFOOT
1513 MAIN ST

GLEN K.
MEISTER
AND
DEBRA MEISTER
1519 MAIN ST

SHEILA J.
CONNOLLY-LEDERER
1603 MAIN ST

ARDYCE M.
WEICHBROD
1609 MAIN

MELVIN J.
RICHGELS
AND
LEORA A.
RICHGELS
1414 MAIN ST

SOLAR EXPRESSIONS LLC
1500 MAIN ST

C. BALLWEG
1504 MAIN ST

MIDTOWN CONSTRUCTION INC
1502 MAIN ST

J. SCHUCHARDT
1516 MAIN ST

FOXVILLE APARTMENTS, LLC
1522 MAIN ST

JOHN E. FOYE
AND
ELIZABOTH A.
FOYE
1602 MAIN ST

CARL N. LOCHNER
AND
DARLENE S.
LOCHNER LIVING
TRUST
1606 MAIN ST

SLOPE INTERCEPT

SLOPE INTERCEPT

TLE

R/W

20"

30"

36"

6"

VILLAGE OF CROSS PLAINS UTILITIES

CAUTION MG&E

CHARTER
MG&E

USH 14

RSS

RI

RMH

RP

RCS

SAN

W

WV

OH

INL

SS

KEY

RSS	REMOVE STORM SEWER
RI	REMOVE INLET
RMH	REMOVE MANHOLE
RP	REMOVE PAVEMENT
RCS	REMOVE CONCRETE SIDEWALK
RA	REMOVE ASPHALTIC SURFACE MILLING
RCB	REMOVE CONCRETE BASE
	REMOVE CURB AND GUTTER
XX"	CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 63	E

2

N

END CONSTRUCTION
STA=10+50.46'G'
SAWCUT REQ'D

11+00'G'

HICKORY STREET

11+50'H'

11+00'H'

WILSON STREET

STA=10+53.79'H'
SAWCUT REQ'D

SANDRA M. FAUST
AND
WAYNE L.
BUSCHMANN
1613 MAIN ST

WAYNE R. ESSER

1621 MAIN ST

ERIC A. ODGERS
AND
MARAH M. ODGERS

1703 MAIN ST

RYAN R. SINGH
AND
AMY S. SINGH
AND
BIBHUTI SINGH

1709 MAIN ST

THOMAS D.
WANKERL
AND
JENNIFER E.
WANKERL
1715 MAIN ST

THE LANES ENTERPRISES,
LLC
1721 MAIN ST

NEIL R. WIPPERFURTH

1803 MAIN ST

STA 122+00

STA128+00

123+00

124+00

125+00

126+00

127+00

128

USH 14

STA 127+26.78=
STA 10+00.05'H'

MATCH LINE

MATCH LINE

TLE

VILLAGE OF CROSS PLAINS UTILITIES

R/W

CAUTION

MG&E

REMOVING WALL

SLOPE INTERCEPT

REMOVE STONE WALL

VILLAGE OF CROSS PLAINS UTILITIES

CHARTER
MG&E

JARID SCOTT

1614 MAIN ST

JOHN . YRIOS

1700 MAIN ST

J. YRIOS

1708 MAIN ST

K. HANSEN
AND
BEKAH R.
HANSEN
1712 MAIN ST

KEVIN T. SAILING
AND
CAROLYN A.
SAILING
1718 MAIN ST

VILLAGE OF
CROSS PLAINS

VILLAGE OF
CROSS PLAINS

LAGOON ST

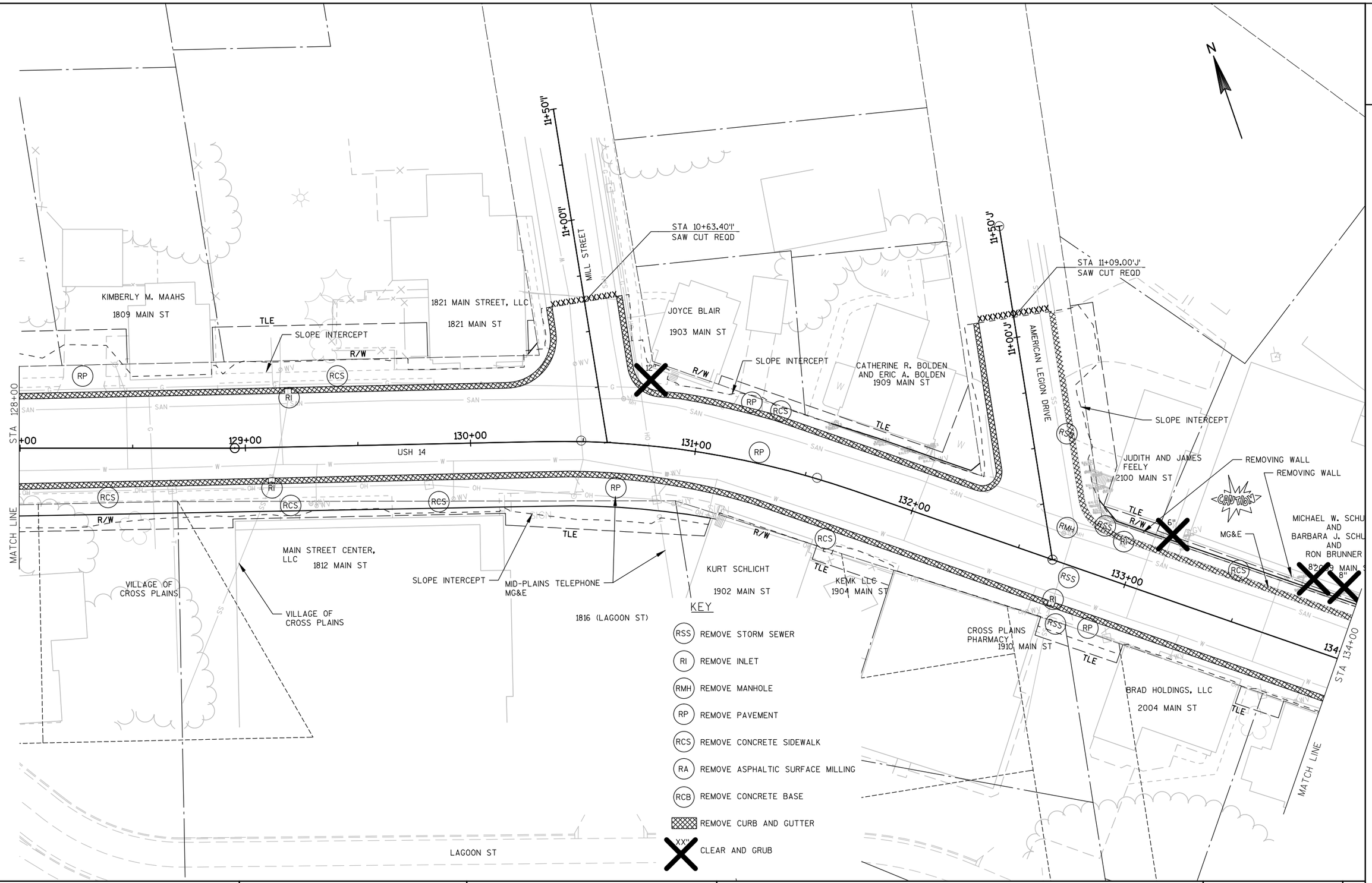
KEY

- (RSS) REMOVE STORM SEWER
- (RI) REMOVE INLET
- (RMH) REMOVE MANHOLE
- (RP) REMOVE PAVEMENT
- (RCS) REMOVE CONCRETE SIDEWALK
- (RA) REMOVE ASPHALTIC SURFACE MILLING
- (RCB) REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 64	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021010_REMOVALS2.DWG
PLOT DATE : 10/7/2014 3:21 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 65	E

2

STA 11+00.00'K'
SAW CUT REQD

11+50'K'

11+00'K'

STA 10+76.66'L'
SAW CUT REQD

11+60'L'

11+00'L'

CAESAR STREET

JOVINA STREET

L. STATZ & T. MILLER
MG&E

CAUTION

R/W

SCHLUETER
PROPERTIES, LLC
2107 MAIN ST

CANOPY

SLOPE INTECEPT

TLE

MICHAEL W.
SCHUTZ
AND
RONALD C.
BRUNNER
2017 MAIN ST

REMOVING WALL

R. BRUNNER & M. SCHUTZ
2023 MAIN ST

REMOVING
WALL

2031 MAIN ST

2039 MAIN ST

SLOPE INTERCEPT

VILLAGE OF CROSS
PLAINS UTILITIES

STA 134+00

135+00

136+00

137+00

138+00

139+00

140

STA 140+00

CHARTER
MG&E

USH 14

RSS

RI

RP

RCS

RA

RCB

MATCH LINE

MAIN STREET CENTER LLC
2010 MAIN ST

SLOPE INTERCEPT

MAIN STREET CENTER LLC
2018 AND 2020 MAIN ST

CHARTER
MG&E

2034 MAIN LLC
2034 MAIN ST

MG&E

KENNETH H
RANSOM
2104 MAIN ST

SLOPE INTERCEPT

ICE AGE TRAIL ALLIANCE
2110-2120 MAIN ST

VILLAGE OF CROSS
PLAINS UTILITIES

34"

MG&E

INVESTMENT CO
SISTERS DRY CLEANER
CROSSROADS COFFEE HOUSE

LAGOON ST

KEY

- RSS — REMOVE STORM SEWER
- RI — REMOVE INLET
- RMH — REMOVE MANHOLE
- RP — REMOVE PAVEMENT
- RCS — REMOVE CONCRETE SIDEWALK
- RA — REMOVE ASPHALTIC SURFACE MILLING
- RCB — REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" — CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 66	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021010_REMOVALS2.DWG PLOT DATE : 11/21/2014 2:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1"=40'_XREF

2

2

N

REMOVING WALL

SLOPE INTERCEPT

MG&E

CAUTION

RUSSELL A. DOMMERSHAUSEN

M. BROSAMLE

WEAVER-GRUBER PARTNERSHIP

STA 10+97.20'M'
SAW CUT REQD

11+58'M'

VALLEY STREET

11+00'M'

JAY D MORETTI

SLOPE INTERCEPT

STA 10+97.57'N'
SAW CUT REQD

WAGNER

11+50'W

ELIJALIA STREET

VILLAGE OF CROSS PLAINS UTILITIES

JANET L BUCHANAN

MID-PLAINS TELEPHONE

TLE

R/W

12"

10"

14"

RCS

RI

RSS

RMH

RP

VILLAGE OF CROSS PLAINS

CHARTER MG&E

USH 14

STA 140+00

STA 146+00

MATCH LINE

140+00

141+00

142+00

143+00

144+00

145+00

34"

19"

38"

20"

MG&E

STA 144+97.91
STA 10+00.10'N'

VILLAGE OF CROSS PLAINS UTILITIES

SLOPE INTERCEPT

SIGN

PAUL L. KALSCHEUR
AND
PATRICIA C. KALSCHEUR -
TRUSTEES OF THE
PAUL AND PATRICIA
KALSCHEUR

KEY

- (RSS) REMOVE STORM SEWER
- (RI) REMOVE INLET
- (RMH) REMOVE MANHOLE
- (RP) REMOVE PAVEMENT
- (RCS) REMOVE CONCRETE SIDEWALK
- (RA) REMOVE ASPHALTIC SURFACE MILLING
- (RCB) REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 67	E

2

2

STA 17+43.65'P'
SAW CUT REQD

17+00'P'

CHURCH STREET

R/W

TLE

SLOPE INTERCEPT

CHARTER

MG&E

CAUTION

RP

RCS

16+00'P'

MG&E

RI

RMH

RSS

MG&E

CAUTION

STA 146+00

147+00

148+00

15+00'P'

149+00

150+00

151+00

152+00

STA

MATCH LINE

MATCH LINE

MGE

CAUTION

VILLAGE OF CROSS PLAINS UTILITIES

MID-PLAINS TELEPHONE

SAW CUT REQUIRED

CTH P

14+00'P'

R/W

CHARTER MG&E

H R Z

2508 MAIN ST

USH 14

JAMES & JUDITH NONN LIVING TRUST

2523 MAIN ST

SLOPE INTERCEPT

REMOVING WALL

VILLAGE OF CROSS PLAINS UTILITIES

MID-PLAINS TELEPHONE

10"

RA

RP

RSS

RI

BRUNSELL PROPERTIES LLC

2525-2531 MAIN ST

MG&E

6"

36"

SLOPE INTERCEPT

R/W

N

KEY

- RSS REMOVE STORM SEWER
- RI REMOVE INLET
- RMH REMOVE MANHOLE
- RP REMOVE PAVEMENT
- RCS REMOVE CONCRETE SIDEWALK
- RA REMOVE ASPHALTIC SURFACE MILLING
- RCB REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 68	E

2

STATE BANK OF CROSS PLAINS
2535 MAIN ST

JUDITH A SONNEMANN
2543 MAIN ST

THE HAIR CHAMBER

CARYL M ZANDER
2563 MAIN ST

JAMES P DOWD &
ANNETTE C DOWD
2575 MAIN ST

GLACIERS EDGE SQUARE

11+50'Q'

11+00'Q'

10+00'Q'

STA 10+76.58'Q'
SAW CUT REQD

SLOPE INTERCEPT

TLE

R/W

MID-PLAINS TELEPHONE

MG&E

VILLAGE OF CROSS
PLAINS UTILITIES

VILLAGE OF CROSS PLAINS UTILITIES

CAUTION

SIGN

RP

RCS

RSS

4"

30"

STA 152+00

STA 158+00

MATCH LINE

152+00

153+00

154+00

155+00

156+00

157+00

158+00

CLEAR AND GRUB FROM STA 153+00 TO 158+00

KEY

RSS	REMOVE STORM SEWER
RI	REMOVE INLET
RMH	REMOVE MANHOLE
RP	REMOVE PAVEMENT
RCS	REMOVE CONCRETE SIDEWALK
RA	REMOVE ASPHALTIC SURFACE MILLING
RCB	REMOVE CONCRETE BASE
	REMOVE CURB AND GUTTER
XX"	CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 69	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021010_REMOVALS2.DWG
PLOT DATE : 10/7/2014 3:22 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 42

2

STA 11+85.00'R'
SAW CUT REQD

CEMETERY

N

CLEAR AND GRUB STA 161+00 TO 164+00

SLOPE INTERCEPT

REMOVING FENCE FROM
STA 160+83 TO STA 163+75

TLE

MID-PLAINS TELEPHONE

CHARTER

SLOPE INTERCEPT

MID-PLAINS
TELEPHONE

TLE

MG&E

R/W

BREWERY ROAD

11+00'R'

STA 158+00

159+00

160+00

161+00

162+00

STA 163+00

USH 14

MATCH LINE

MATCH LINE

R/W

SLOPE INTERCEPT

CHARTER
MG&E

VILLAGE OF CROSS
PLAINS UTILITIES

KEY

- (RSS) REMOVE STORM SEWER
- (RI) REMOVE INLET
- (RMH) REMOVE MANHOLE
- (RP) REMOVE PAVEMENT
- (RCS) REMOVE CONCRETE SIDEWALK
- (RA) REMOVE ASPHALTIC SURFACE MILLING
- (RCB) REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX' CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 70	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021010_REMOVALS2.DWG
PLOT DATE : 10/7/2014 3:22 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 42

2

2

STA 11+40.00'S'
SAW CUT REQD

CLEAR AND GRUB STA 161+00 TO 164+00

REMOVING FENCE STA 160+83
TO STA 163+75

SLOPE INTERCEPT

CHARTER

TLE

R/W

48"

MID-PLAINS
TELEPHONE

MG&E

CAUTION

11+00'S'

WESTVIEW COURT

R/W

MID-PLAINS TELEPHONE

MG&E

SLOPE INTERCEPT

R/W

STA 163+00

164+00

165+00

166+00

167+00

168+00

169+00

USH 14

VILLAGE OF CROSS PLAINS UTILITIES

MATCH LINE

SLOPE INTERCEPT

CHARTER
MG&E

R/W

MATCH LINE

KEY

- (RSS) REMOVE STORM SEWER
- (RI) REMOVE INLET
- (RMH) REMOVE MANHOLE
- (RP) REMOVE PAVEMENT
- (RCS) REMOVE CONCRETE SIDEWALK
- (RA) REMOVE ASPHALTIC SURFACE MILLING
- (RCB) REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 71	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021010_REMOVALS2.DWG
PLOT DATE : 10/7/2014 3:22 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF

2

2

N

R/W

MID-PLAINS TELEPHONE

SLOPE INTERCEPT

END PROJECT 5310-02-70
STA 172+00
SAWCUT REQD

STA 169+00

+00 170+00 171+00 172+00 173+00 173+50

RP RA USH 14

MATCH LINE

CHARTER
MG&E

SLOPE INTERCEPT

R/W

KEY

- RSS — REMOVE STORM SEWER
- RI — REMOVE INLET
- RMH — REMOVE MANHOLE
- RP — REMOVE PAVEMENT
- RCS — REMOVE CONCRETE SIDEWALK
- RA — REMOVE ASPHALTIC SURFACE MILLING
- RCB — REMOVE CONCRETE BASE
- REMOVE CURB AND GUTTER
- XX" — CLEAR AND GRUB

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 72	E

2



PROJECT NO:5310-02-70	HWY: USH 14	COUNTY:DANE	PLAN - BOURBON ROAD	SHEET 73	E

2

2

WISCONSIN AND SOUTHERN RAILROAD

N

85+00'0'

90+00'0'

95+00'0'

BOURBON ROAD

52.41' R

54.11' R

65.98' R

63.80' R

HILLEBRAND DRIVE

CONTINENTAL LANE

MILL AND OVERLAY

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN - BOURBON ROAD	SHEET 74	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050201_PN-MILL AND OVERLAY BOURBON.DWG PLOT DATE : 8/27/2014 3:35 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN - BOURBON ROAD	SHEET 75	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050201_PN-MILL AND OVERLAY BOURBON.DWG PLOT DATE : 8/27/2014 3:35 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1:100_XREF

2

VILLAGE OF CROSS PLAINS UTILITIES

BEGIN PROJECT
STA 104+78.19

104+49

105+00

106+00

107+00

108+00

108+23.24
0.00'

USH 14

WATER STREET

11+00'B'

10+00'B'

END CONSTRUCTION
STA=10+64.14'B'
SAWCUT REQ'D

+64.14'B'
-18.01'

+64.14'B'
18.17'

+57.18'B'
18.25'

STA 108+26.59
57.00' LT

R37'

MG&E

CAUTION

+41.82'B'
-17.75'

STA 107+31.42
42.00' LT

R22'

+31.42
-20.00'

+77.18
-20.00'

+53.96
-20.00'

+75.00
-20.00'

+00.00
-20.00'

+26.58
-20.00'

+50.20
-20.00'

+30.01
-20.00'

+35.95
-20.00'

+60.95
19.18'

+84.81
18.30'

+05.76
25.63'

+07.33
25.84'

STA 106+36.58
22.92' RT

+45.19
21.22'

+48.19
20.00'

R5'

STA 106+07.36
20.94' RT

+36.05
21.89'

+39.68
26.60'

R5'

STA 106+48.19
25.00' RT

1A

7A

7A

4B1

7B

5

COLORED AND STAMPED CONCRETE

MATCH LINE STA 109+00

MATCH LINE STA 115+00

LEGEND

1	CURB RAMP TYPE 1
1A	CURB RAMP TYPE 1-A
2	CURB RAMP TYPE 2
4A1	CURB RAMP TYPE 4A1
4B1	CURB RAMP TYPE 4B1
5	CURB RAMP TYPE 5
7A	CURB RAMP TYPE 7A
7B	CURB RAMP TYPE 7B
8	COLORING CONCRETE RED

N

11+00'C'

10+00'C'

CENTER STREET

END CONSTRUCTION
STA=10+48.90'C'
SAWCUT REQ'D

COLORED AND STAMPED CONCRETE

STA 110+67.87
45.09' LT

R25'

+45.00'C'
-15.73'

STA 111+49.32
45.90' LT

45.90'C', R25'
15.72'

4B1

VILLAGE OF CROSS PLAINS UTILITIES

MG&E

+55.76
5.50'

+72.24
-2.51'

+59.05
-20.00'

+68.12
-20.09'

+49.57
-20.91'

+55.76
5.50'

+72.24
2.55'

+59.25
-20.00'

+83.29
19.76'

+59.27
-21.00'

7B

110+00

111+00

112+00

113+00

114+00

11+00'D'

10+00'D'

SPRING STREET

END CONSTRUCTION
STA=10+48.47'D'
SAWCUT REQ'D

+48.47'D'
-15.67'

+48.47'D'
15.67'

+43.48'D'
15.68'

STA 114+04.41
41.00' LT

4B1

R20'

+40.30'D'
-15.76'

+04.41
-21.00'

STA 114+77.88
43.00' LT

4B1

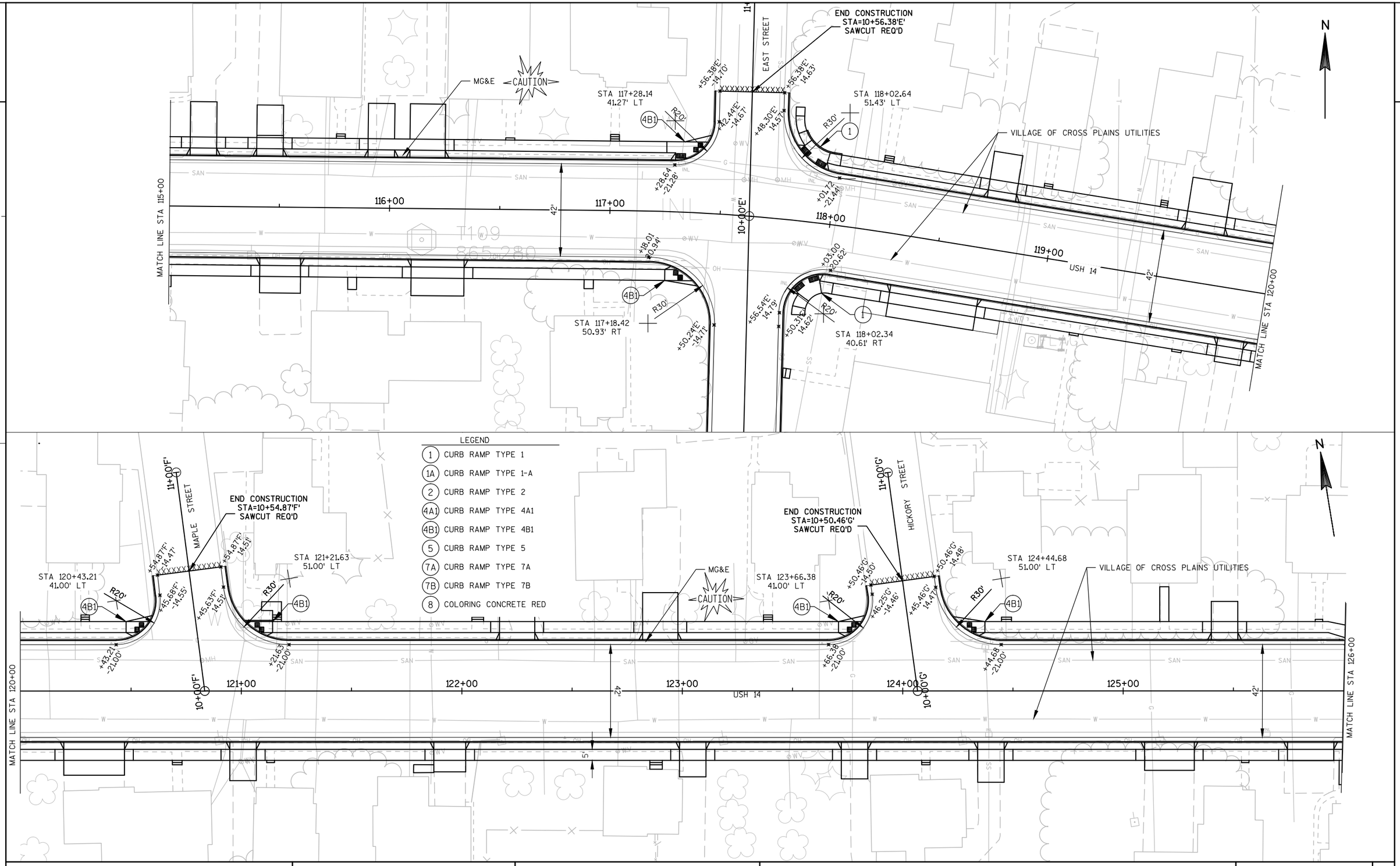
R22'

+77.88
-21.00'

MWEL

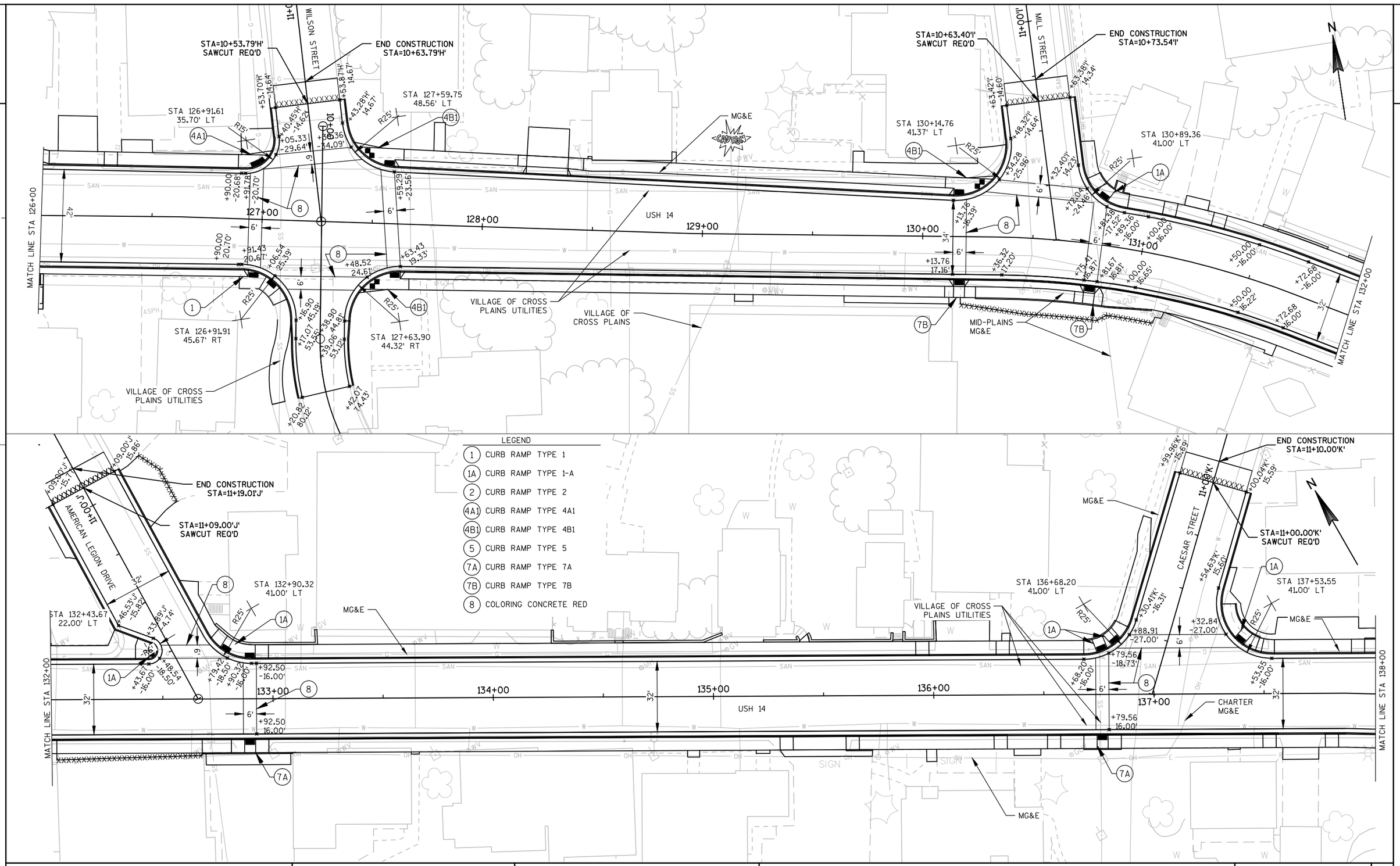
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021101_ID-USH 14.DWG
PLOT DATE : 8/27/2014 2:52 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

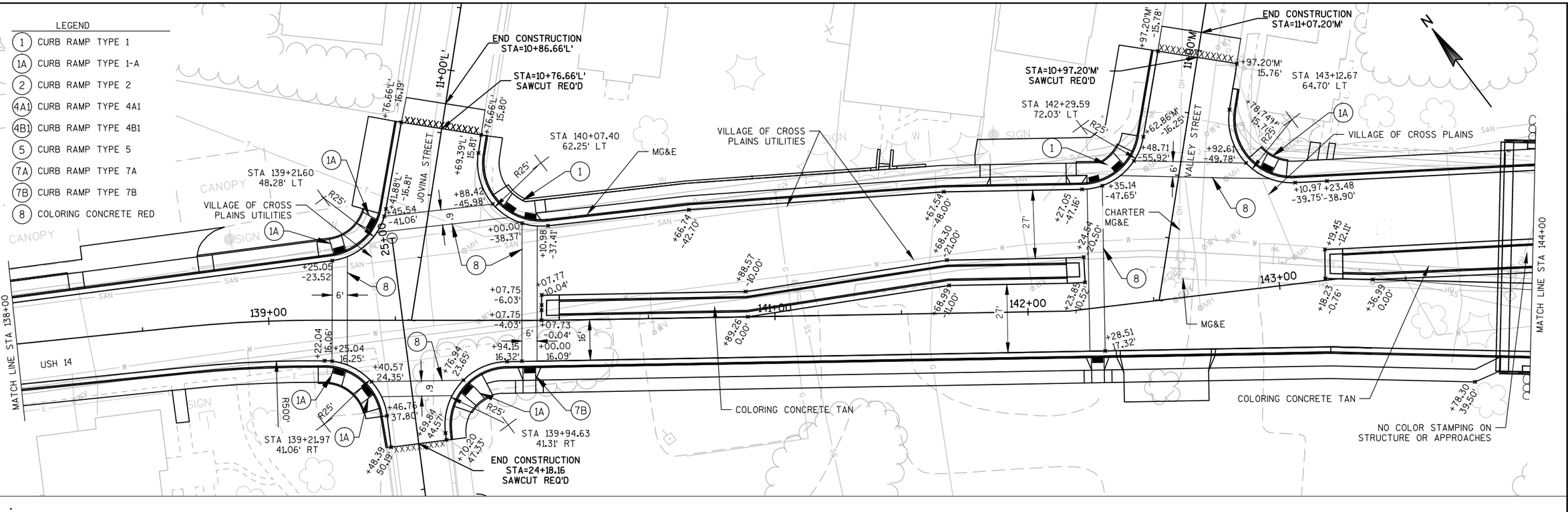
2

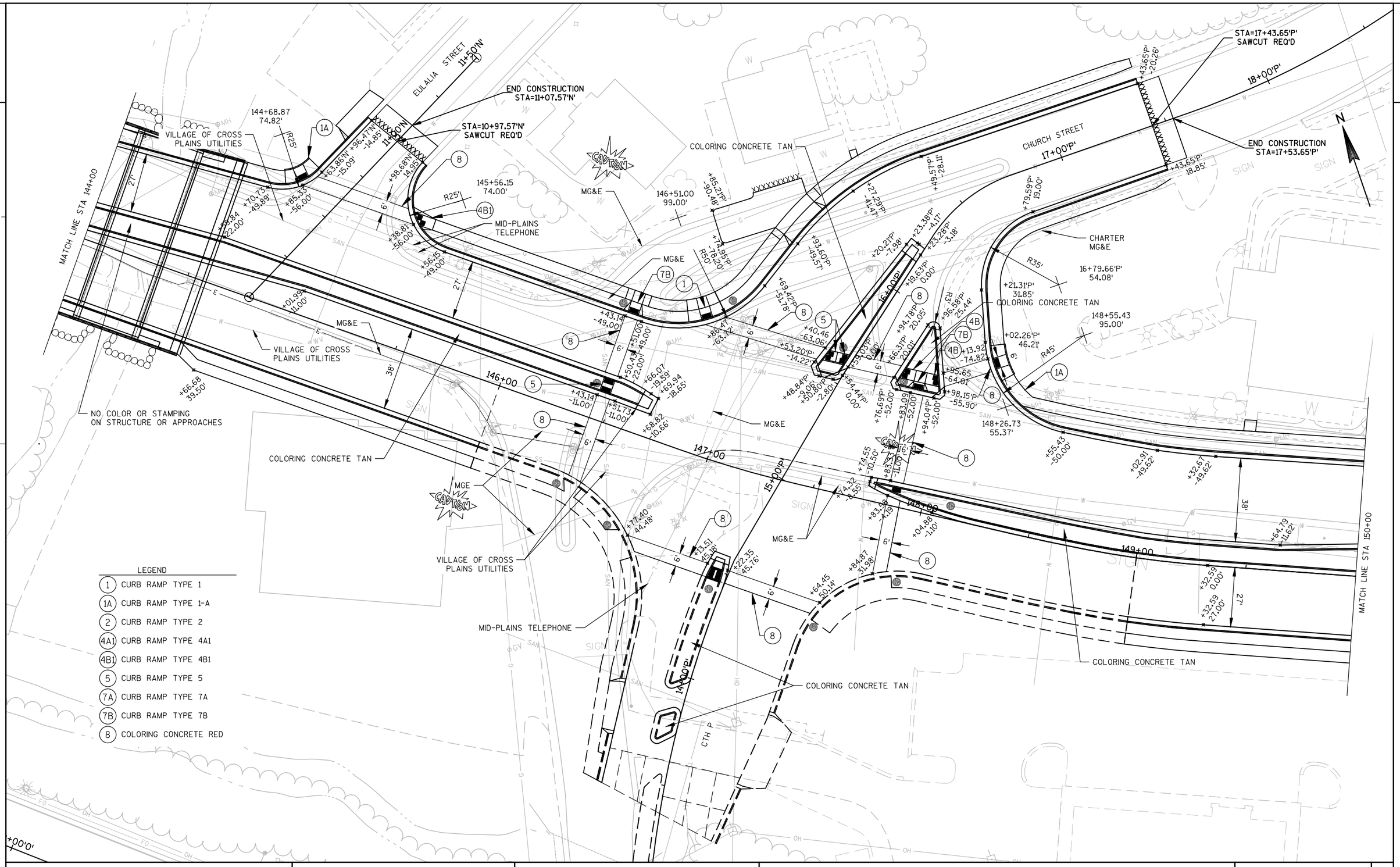


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	INTERSECTION DETAILS	SHEET 77	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021101_ID-USH 14.DWG
PLOT DATE : 8/27/2014 2:52 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42


STA=10+53.79'H'
SAWCUT REQ'D
END CONSTRUCTION
STA=10+63.79'H'
WILSON STREET
10+00
STA 126+91.61
35.70' LT
STA 127+59.75
48.56' LT
MG&E
CAUTION
STA=10+63.40'I'
SAWCUT REQ'D
END CONSTRUCTION
STA=10+73.54'I'
MILL STREET
11+00
STA 130+14.76
41.37' LT
STA 130+89.36
41.00' LT
MATCH LINE STA 126+00
127+00
128+00
129+00
130+00
131+00
USH 14
VILLAGE OF CROSS
PLAINS UTILITIES
VILLAGE OF
CROSS PLAINS
STA 126+91.91
45.67' RT
STA 127+63.90
44.32' RT
MID-PLAINS
MG&E
MATCH LINE STA 132+00
VILLAGE OF CROSS
PLAINS UTILITIES
LEGEND
1 CURB RAMP TYPE 1
1A CURB RAMP TYPE 1-A
2 CURB RAMP TYPE 2
4A1 CURB RAMP TYPE 4A1
4B1 CURB RAMP TYPE 4B1
5 CURB RAMP TYPE 5
7A CURB RAMP TYPE 7A
7B CURB RAMP TYPE 7B
8 COLORING CONCRETE RED
END CONSTRUCTION
STA=11+19.01'J'
STA=11+09.00'J'
SAWCUT REQ'D
AMERICAN LEGION DRIVE
11+00
STA 132+43.67
22.00' LT
STA 132+90.32
41.00' LT
MG&E
MATCH LINE STA 132+00
133+00
134+00
135+00
136+00
137+00
USH 14
VILLAGE OF CROSS
PLAINS UTILITIES
STA 136+68.20
41.00' LT
CHARTER
MG&E
END CONSTRUCTION
STA=11+10.00'K'
STA=11+00.00'K'
SAWCUT REQ'D
CAESAR STREET
11+00
STA 137+53.55
41.00' LT
MG&E
MATCH LINE STA 138+00
MG&E
N

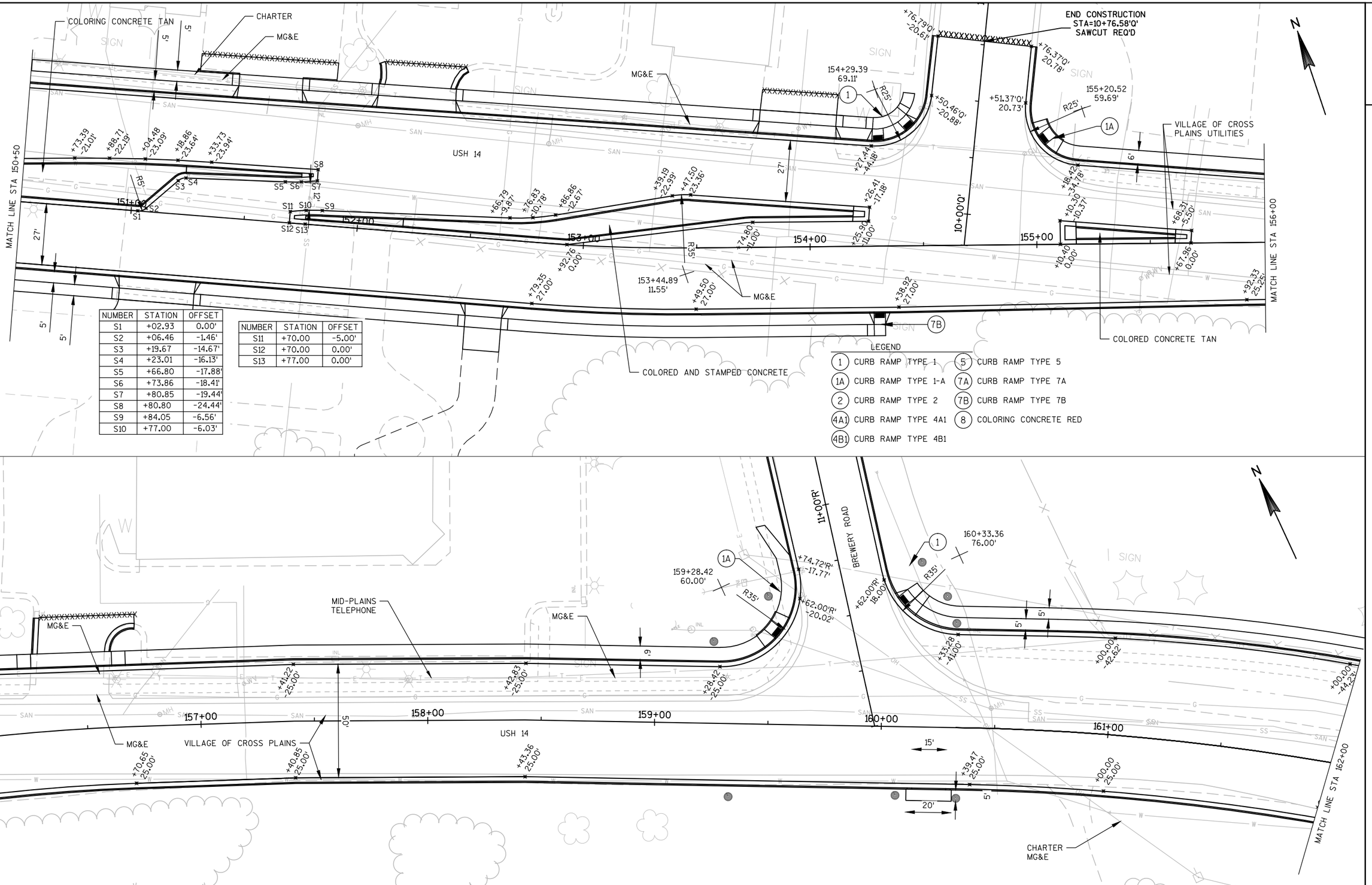

LEGEND
1 CURB RAMP TYPE 1
1A CURB RAMP TYPE 1-A
2 CURB RAMP TYPE 2
4A1 CURB RAMP TYPE 4A1
4B1 CURB RAMP TYPE 4B1
5 CURB RAMP TYPE 5
7A CURB RAMP TYPE 7A
7B CURB RAMP TYPE 7B
8 COLORING CONCRETE RED
END CONSTRUCTION STA=10+86.66'L'
STA=10+76.66'L' SAWCUT REQ'D
STA=10+97.20'M' SAWCUT REQ'D
END CONSTRUCTION STA=11+07.20'M'
STA 140+07.40 62.25' LT
STA 142+29.59 72.03' LT
STA 143+12.67 64.70' LT
STA 139+21.60 48.28' LT
STA 139+21.97 41.06' RT
STA 139+94.63 41.31' RT
END CONSTRUCTION STA=24+18.16 SAWCUT REQ'D
JOVINA STREET
VALLEY STREET
USH 14
VILLAGE OF CROSS PLAINS UTILITIES
VILLAGE OF CROSS PLAINS
CHARTER MG&E
MG&E
COLORING CONCRETE TAN
NO COLOR STAMPING ON STRUCTURE OR APPROACHES
MATCH LINE STA 138+00
MATCH LINE STA 144+00
139+00
140+00
141+00
142+00
143+00
25+00
R25'
R50'
CANOPY
SIGN



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	INTERSECTION DETAILS	SHEET 80	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021101_ID-USH 14.DWG PLOT DATE : 11/21/2014 2:19 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1:40_XREF

WISDOT/CADDS SHEET 42



NUMBER	STATION	OFFSET
S1	+02.93	0.00'
S2	+06.46	-1.46'
S3	+19.67	-14.67'
S4	+23.01	-16.13'
S5	+66.80	-17.88'
S6	+73.86	-18.41'
S7	+80.85	-19.44'
S8	+80.80	-24.44'
S9	+84.05	-6.56'
S10	+77.00	-6.03'

NUMBER	STATION	OFFSET
S11	+70.00	-5.00'
S12	+70.00	0.00'
S13	+77.00	0.00'

LEGEND

(1)	CURB RAMP TYPE 1	(5)	CURB RAMP TYPE 5
(1A)	CURB RAMP TYPE 1-A	(7A)	CURB RAMP TYPE 7A
(2)	CURB RAMP TYPE 2	(7B)	CURB RAMP TYPE 7B
(4A1)	CURB RAMP TYPE 4A1	(8)	COLORING CONCRETE RED
(4B1)	CURB RAMP TYPE 4B1		

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	INTERSECTION DETAILS	SHEET 81	E

2

END CONSTRUCTION
STA=11+40.00'S'
SAWCUT REQ'D

+40.00'S'
-15.67'

+30.41'
-15.66'

WESTVIEW COURT

11+00'S'

+82.96'
-15.81'

CHARTER

STA 164+36.20
71.07' LT

R35'

+60.59'S'
-15.48'

STA 165+33.54
71.00' LT

R35'

MG&E

MG&E

CAUTION

MID-PLAINS
TELEPHONE

15'

5'

+00.00
-42.80'

+00.00
-38.35'

+34.00
-36.15'

+33.54
-36.00'

+33.54
10.99'

25'

+74.80
-36.00

R525'

+83.54
11.00'

+36.23
-5.70'

+78.83
-30.28'

+48.59
-25.00'

+33.54
0.01'

25'

+36.25
0.00'

+00.00
25.00'

+17.41
25.00'

164+00

165+00

166+00

167+00

163+00

10+00'S'

USH 14

+00.00
25.00'

+00.00
25.00'

+00.00
25.00'

+.23'

MATCH LINE STA 162+00

MATCH LINE STA 168+00

COLORING CONCRETE TAN

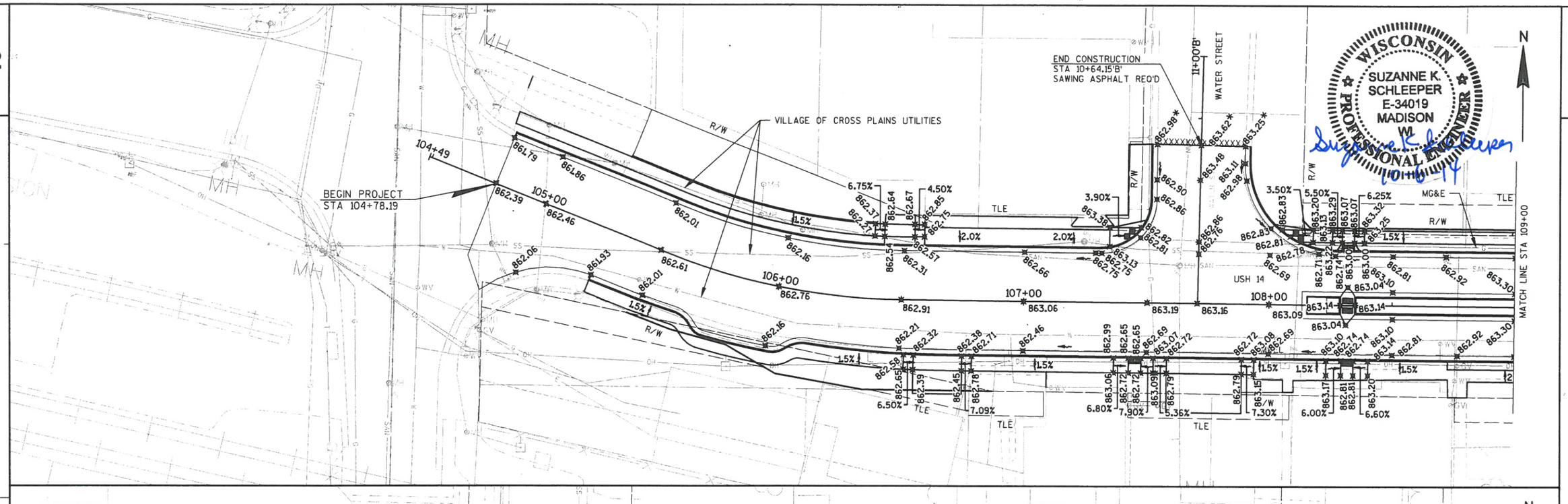
CHARTER
MG&E

VILLAGE OF CROSS
PLAINS UTILITIES

OH

OH

OH



WISCONSIN
SUZANNE K. SCHLEEPER
E-34019
MADISON
WI
PROFESSIONAL ENGINEER
10/16/14

PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	PAVING DETAILS	SHEET 83

FILE NAME : S:\PROJECTS\SW\DANE COUNTY\5310-02-00 US 14 CROSS PLAINS\CAD\PLANS\021201_PD-USH 14 (CORRE).DWG
PLOT DATE : 10/6/2014 2:10 PM PLOT BY : BOBBY PLOT NAME : ----------
PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

END CONSTRUCTION
STA 10+56.38'E'
SAWING ASPHALT REQ'D

EAST STREET

VILLAGE OF CROSS PLAINS UTILITIES

MG&E

TLE

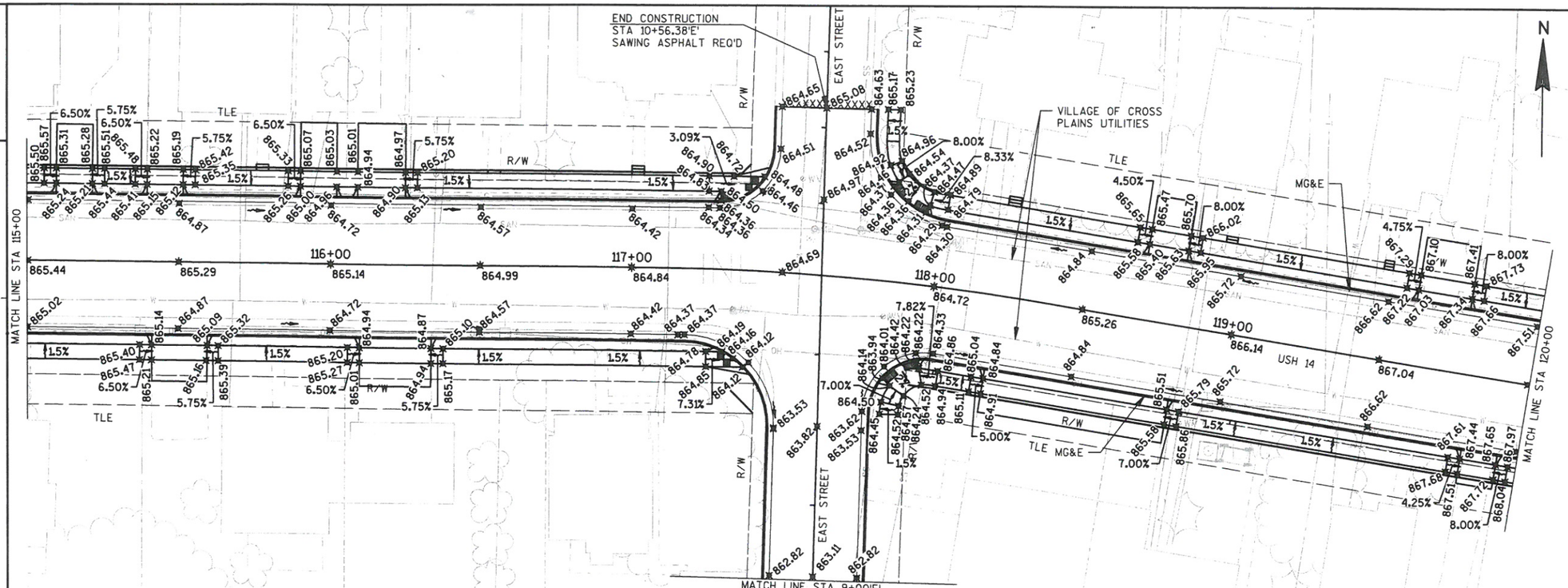
R/W

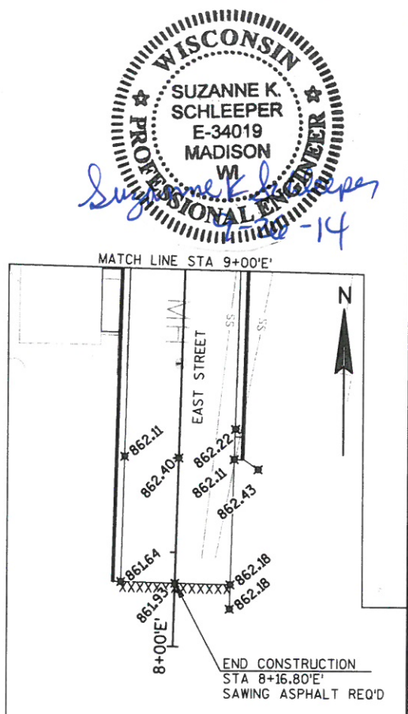
USH 14

MATCH LINE STA 115+00

MATCH LINE STA 120+00

MATCH LINE STA 9+00'E'





WISCONSIN
SUZANNE K. SCHLEEPER
E-34019
MADISON
WI
PROFESSIONAL ENGINEER
Suzanne K. Schleeper
12-14

END CONSTRUCTION
STA 10+54.87'F'
SAWING ASPHALT REQ'D

11+00'F'
MAPLE STREET

END CONSTRUCTION
STA 10+50.46'G'
SAWING ASPHALT REQ'D

11+00'G'
HICKORY STREET

VILLAGE OF CROSS PLAINS UTILITIES

MG&E

TLE

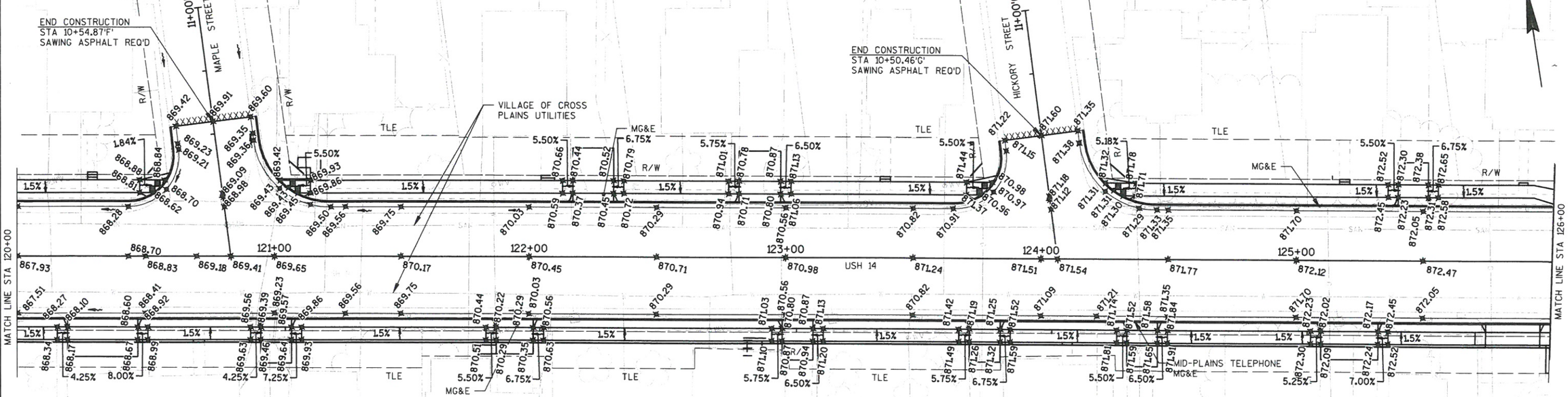
R/W

USH 14

MID-PLAINS TELEPHONE

MATCH LINE STA 120+00

MATCH LINE STA 126+00



PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	PAVING DETAILS	SHEET 84 E

END CONSTRUCTION
STA=10+63.79'H'

STA=10+53.79'H'
SAWCUT REQ'D

WILSON STREET

MG&E

CAUTION

TLE

R/W

5¾" HMA PAVEMENT
CONCRETE PAVEMENT
8-INCH

MATCH LINE STA 126+00

VILLAGE OF CROSS PLAINS UTILITIES

USH 14

END CONSTRUCTION
STA=11+20.82
SAWCUT REQ'D

END CONSTRUCTION
STA=10+73.40'I'

STA=10+63.40'I'
SAWCUT REQ'D

MILL STREET

MID-PLAINS TELEPHONE
MG&E

MATCH LINE STA 132+00

N

END CONSTRUCTION
STA=11+19.00'J'

STA=11+09.00'J'
SAWCUT REQ'D

AMERICAN LEGION DRIVE

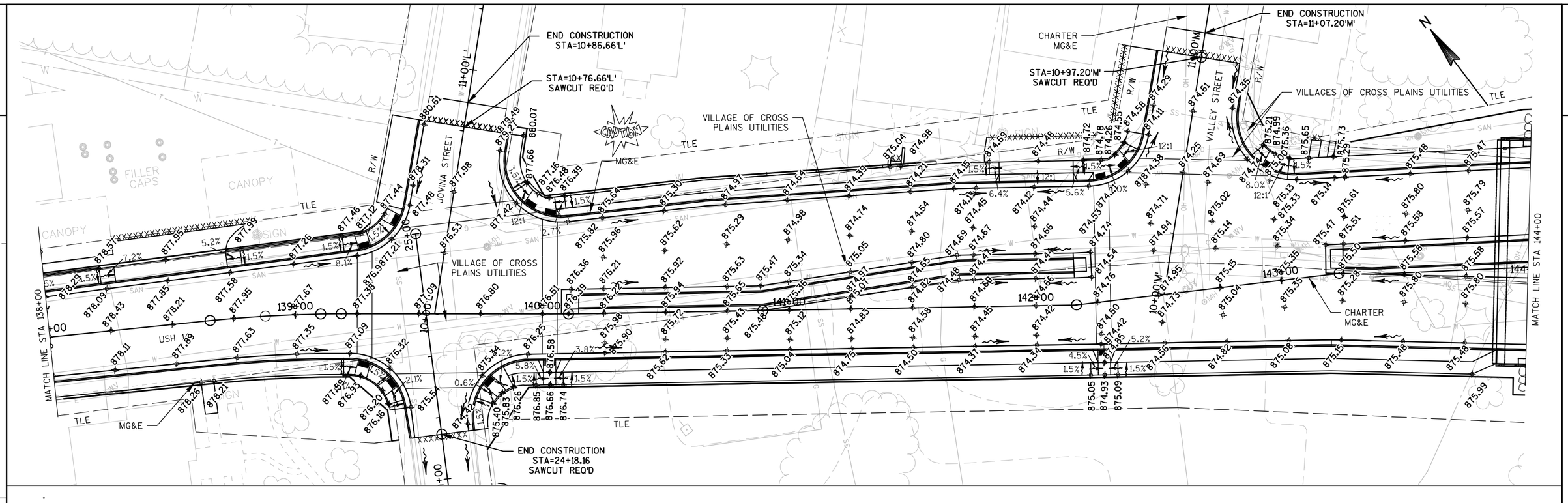
END CONSTRUCTION
STA=11+09.99'K'

STA=11+00.00'K'
SAWCUT REQ'D

CAESAR STREET

CHARTER
MG&E

MATCH LINE STA 138+00



2

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVING DETAILS	SHEET 86	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\021201_PD-USH 14.DWG
PLOT DATE : 10/9/2014 9:44 AM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 144+00

VILLAGE OF CROSS PLAINS UTILITIES

EULALIA STREET

11+50'N'

END CONSTRUCTION
STA=11+07.57'N'

STA=10+97.57'N'
SAWCUT REQ'D

R/W

TLE

VILLAGE OF CROSS PLAINS UTILITIES

MID-PLAINS TELEPHONE

CAUTION
MG&E

10+00'N

145+00

146+00

147+00

CAUTION
MG&E

VILLAGE OF CROSS PLAINS UTILITIES

MID-PLAINS TELEPHONE

14+00'E

CTH P

CHARTER
MG&E

CAUTION
MG&E

149+00

MATCH LINE STA 150+00

CONCRETE PAVEMENT 8-INCH

5¾" HMA PAVEMENT

STA=17+43.65'P'
SAWCUT REQ'D

18+00'P'

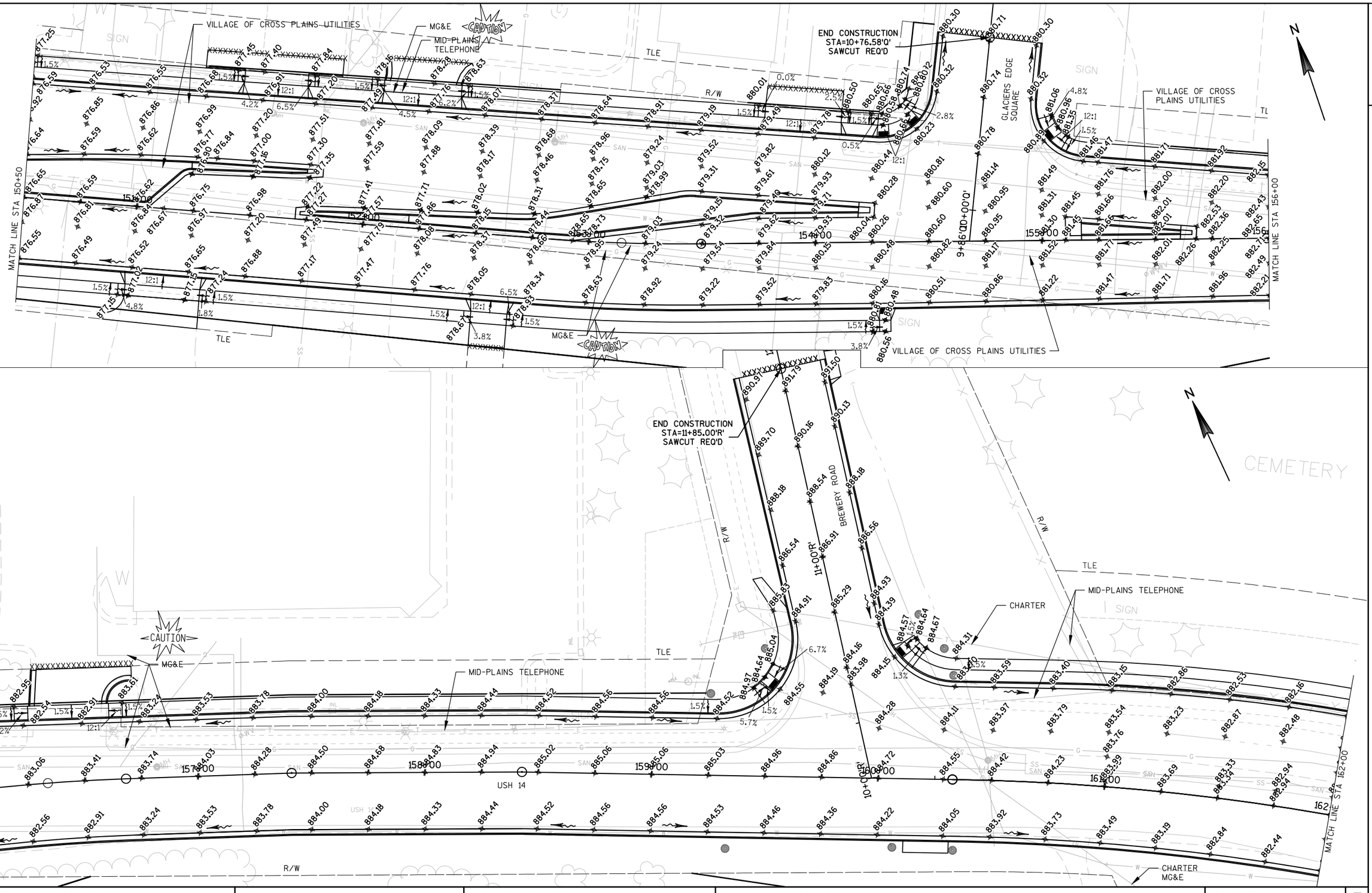
END CONSTRUCTION
STA=17+53.65'P'

VILLAGE OF CROSS PLAINS UTILITIES

TLE

N

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVING DETAILS	SHEET 87	E


VILLAGE OF CROSS PLAINS UTILITIES
MG&E
MID-PLAINS TELEPHONE
CAUTION
TLE
R/W
END CONSTRUCTION STA=10+76.58'Q' SAWCUT REQ'D
GLACIERS EDGE SQUARE
VILLAGE OF CROSS PLAINS UTILITIES
MATCH LINE STA 150+50
MATCH LINE STA 156+00
9+98'QD+0.00'Q'
END CONSTRUCTION STA=11+85.00'R' SAWCUT REQ'D
BREWERY ROAD
CEMETERY
11+00'R'
CHARTER
MID-PLAINS TELEPHONE
USH 14
10+00'R'
MATCH LINE STA 156+00
MATCH LINE STA 162+00
CHARTER
MG&E
N

2

2

END CONSTRUCTION
STA=11+40.00'S'
SAWCUT REQ'D

XXXXXXXXXXXXXXXXXX

CAUTION

MG&E

MG&E

R/W

WESTVIEW COURT

11+00S'

MID-PLAINS TELEPHONE

MID-PLAINS TELEPHONE

R/W

MG&E

MATCH LINE STA 162+00

MATCH LINE STA 168+00

USH 14

VILLAGE OF CROSS PLAINS UTILITIES

CHARTER MG&E

CHARTER MG&E

MID-PLAINS TELEPHONE

END PROJECT
STA 172+00.00
MATCH EXISTING
SAWCUT REQD

END CONSTRUCTION
STA 172+75.00

MATCH LINE STA 168+00

USH 14

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVING DETAILS	SHEET 89	E

2

2

LEGEND

- RIP RAP HEAVY
- SLOPE INTERCEPT
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- A — INLET PROTECTION TYPE A
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIERS
- SILT FENCE
- ROCK BAGS
- EROSION MAT URBAN CLASS I TYPE A
- SOD
- TEMPORARY DITCH CHECK

BEGIN PROJECT
STA 104+78.19

BP: 104+48.89

104+49

105+00

105+53.33

106+00

PT: 106+50.20

107+00

108+00

WATER STREET

11+00'B'

10+00'B'

END CONSTRUCTION
STA=10+64.14'B'
SAWCUT REQ'D

MATCH LINE STA 109+00

TLE

R/W

N

110+00

111+00

11+00'C'

CENTER STREET

END CONSTRUCTION
STA=10+48.90'C'
SAWCUT REQ'D

109+53.05

110+59.06

10+00'C'

112+00

113+00

114+00

11+00'D'

SPRING STREET

END CONSTRUCTION
STA=10+48.48'D'
SAWCUT REQ'D

10+00'D'

MATCH LINE STA 115+00

PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	EROSION CONTROL	SHEET 90	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\022001_EC-USH 14.DWG PLOT DATE : 11/21/2014 2:01 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:40_XREF

WISDOT/CADDS SHEET 42

END CONSTRUCTION
STA=10+56.38'E'
SAWCUT REQ'D

EAST STREET

MATCH LINE STA 115+00

MATCH LINE STA 120+00

116+00 117+00 118+00 119+00

10+00'E'

11+07.78

11+27.94

USH 14

R/W TLE

N

LEGEND

- RIP RAP HEAVY
- SLOPE INTERCEPT
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- A INLET PROTECTION TYPE A
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- TURBIDITY BARRIERS
- SILT FENCE
- ROCK BAGS
- EROSION MAT URBAN CLASS I TYPE A
- SOD
- TEMPORARY DITCH CHECK

END CONSTRUCTION
STA=10+54.87'F'
SAWCUT REQ'D

11+00'F'

MAPLE STREET

8+00'E'

STA=10+50.46'G'
SAWCUT REQ'D

11+00'G'

HICKORY STREET

MATCH LINE STA 120+00

MATCH LINE STA 126+00

121+00 122+00 123+00 124+00 125+00

10+00'F'

10+00'G'

USH 14

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\022001_EC-USH 14.DWG
PLOT DATE : 11/21/2014 2:01 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF

2

2

STA=10+53.79'H'
SAWCUT REQ'D

WILSON STREET

R/W

TLE

SLOPE INTERCEPT

PI: 126+63.15

MATCH LINE STA 126+00

BP: 10+00.00

127+00

128+00

129+00

130+00

USH 14

PC: 130+35.26

STA=10+63.40'I'
SAWCUT REQ'D

MILL STREET

11+00'I'

PI: 131+72.68

MATCH LINE STA 132+00

SLOPE INTERCEPT

STA=11+09.00'J'
SAWCUT REQ'D

11+00'J'

AMERICAN LEGION DRIVE

MATCH LINE STA 132+00

133+00

134+00

135+00

136+00

USH 14

11+50'K'

STA=11+00.00'K'
SAWCUT REQ'D

CAESAR STREET

PI: 137+87.18

MATCH LINE STA 138+00

SLOPE INTERCEPT

RIP RAP HEAVY

SLOPE INTERCEPT

C INLET PROTECTION TYPE C

D INLET PROTECTION TYPE D

A INLET PROTECTION TYPE A

CULVERT PIPE CHECK

SURFACE WATER FLOW

TURBIDITY BARRIERS

SILT FENCE

ROCK BAGS

EROSION MAT URBAN CLASS I TYPE A

SOD

TEMPORARY DITCH CHECK

PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	EROSION CONTROL	SHEET 92	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\022001_EC-USH 14.DWG

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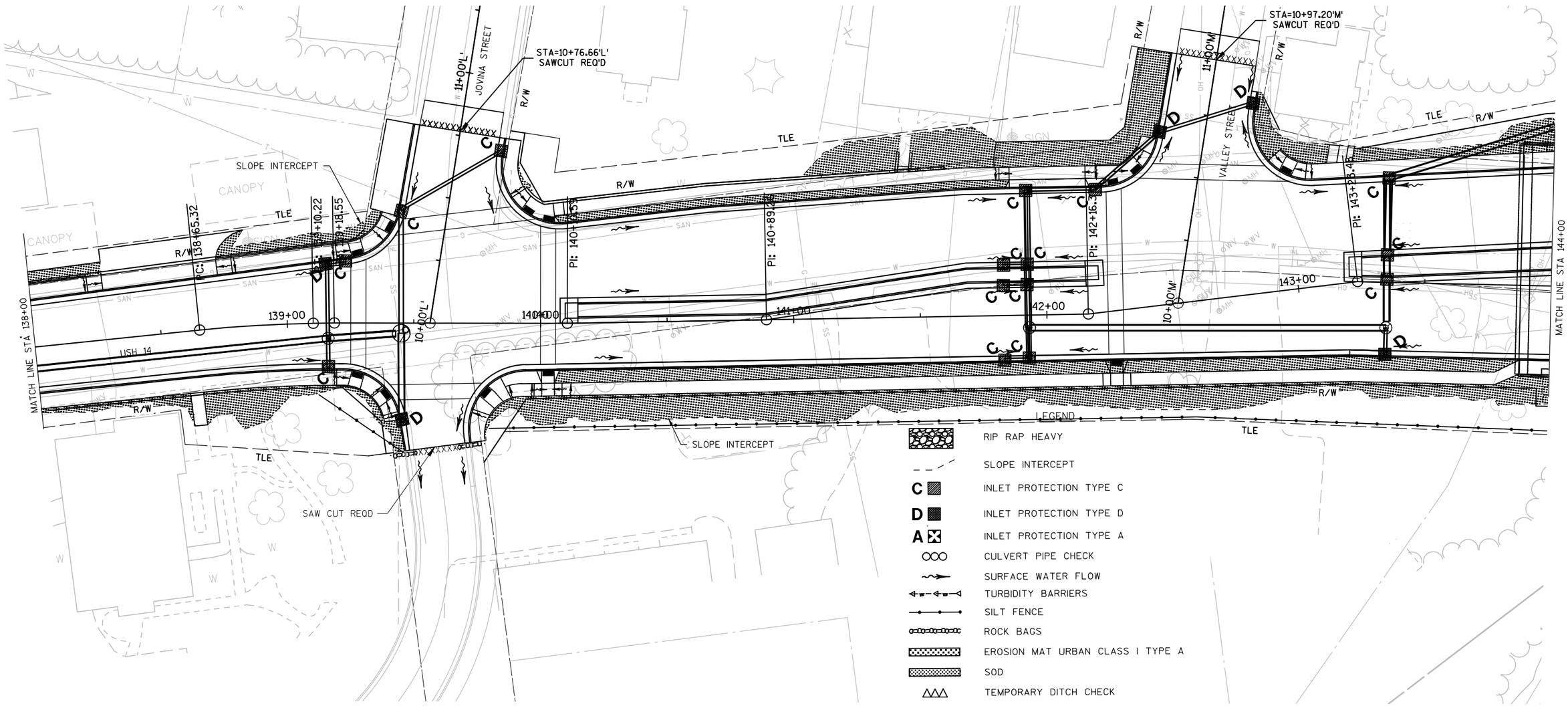
PLOT BY : DAVID YAHNKE

PLOT NAME : ----------

PLOT SCALE : 1:40_XREF

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 93	E

2

RIP RAP HEAVY 8'X12'

TLE

EULALIA STREET

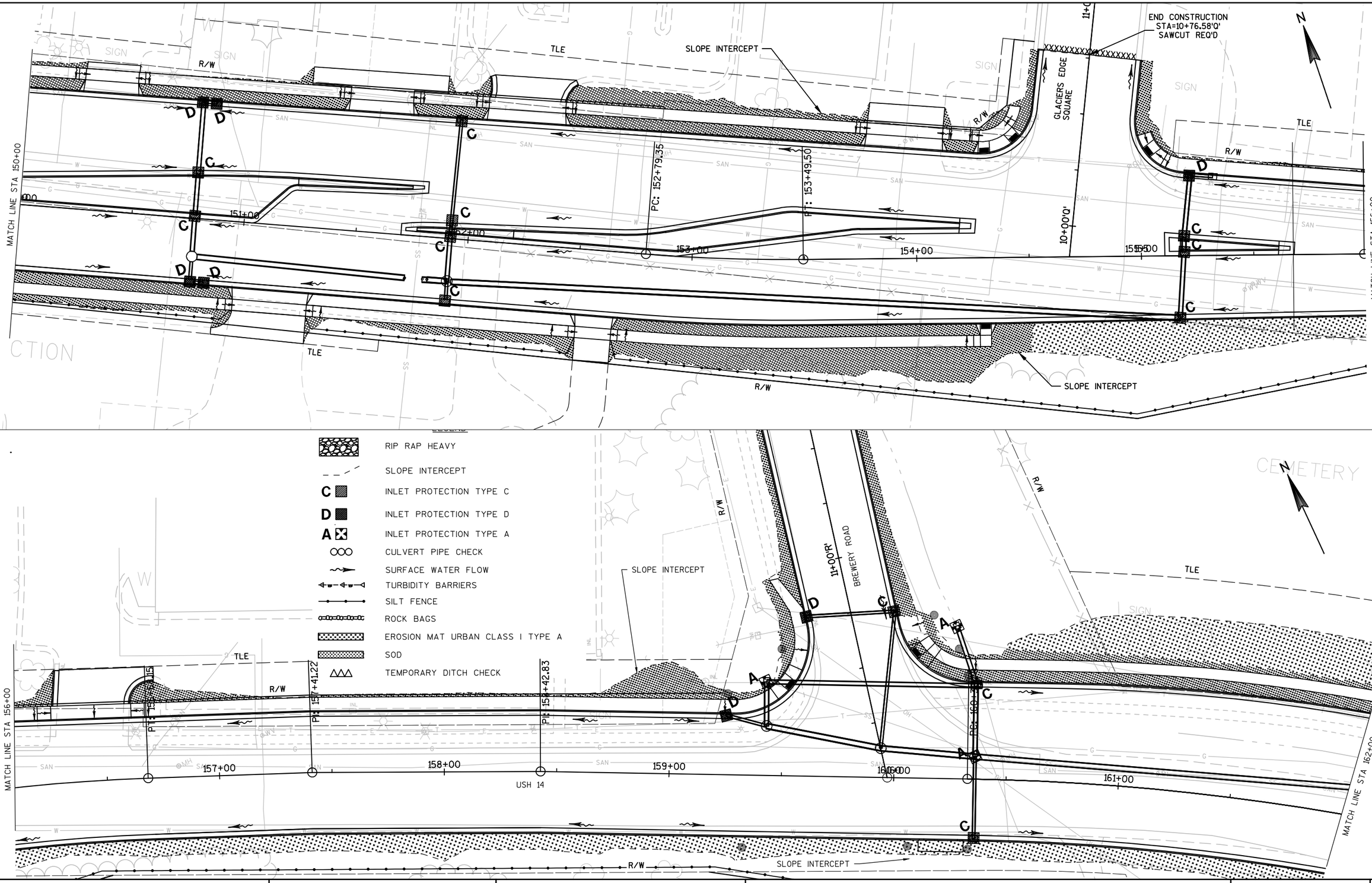
11+50'N'

STA=10+97.57'N' SAWCUT REQ'D

XXXX

2

2

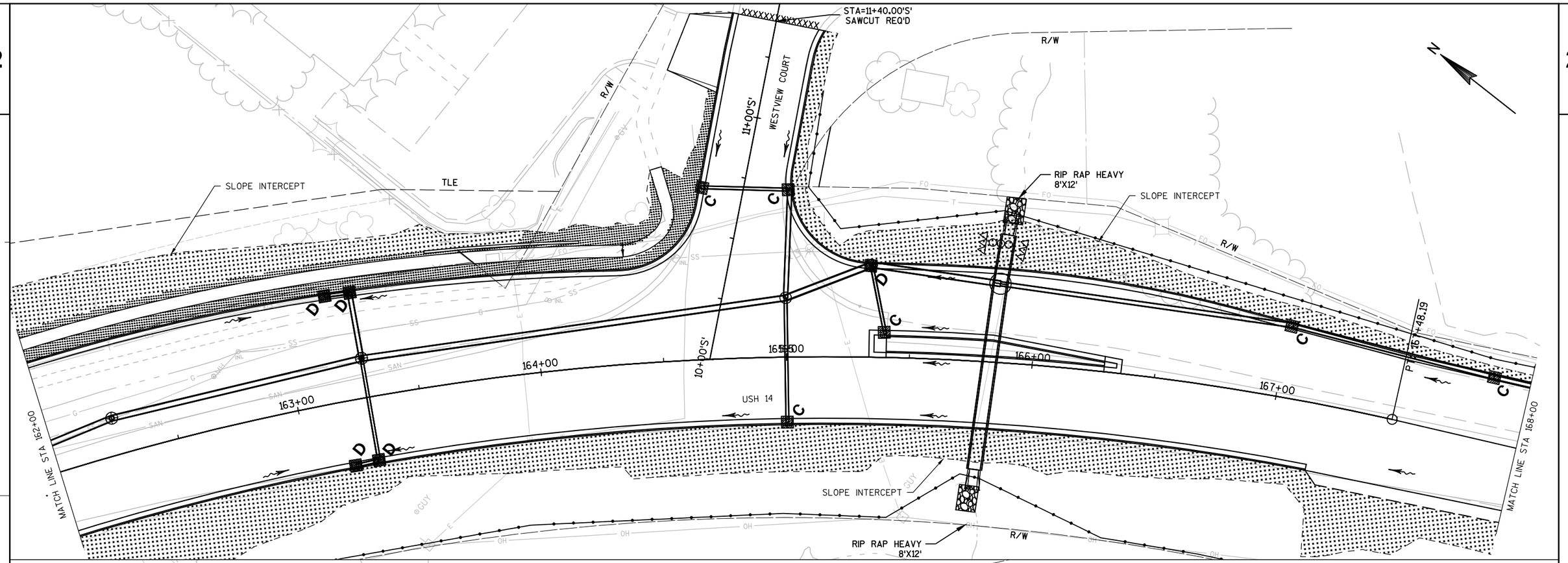


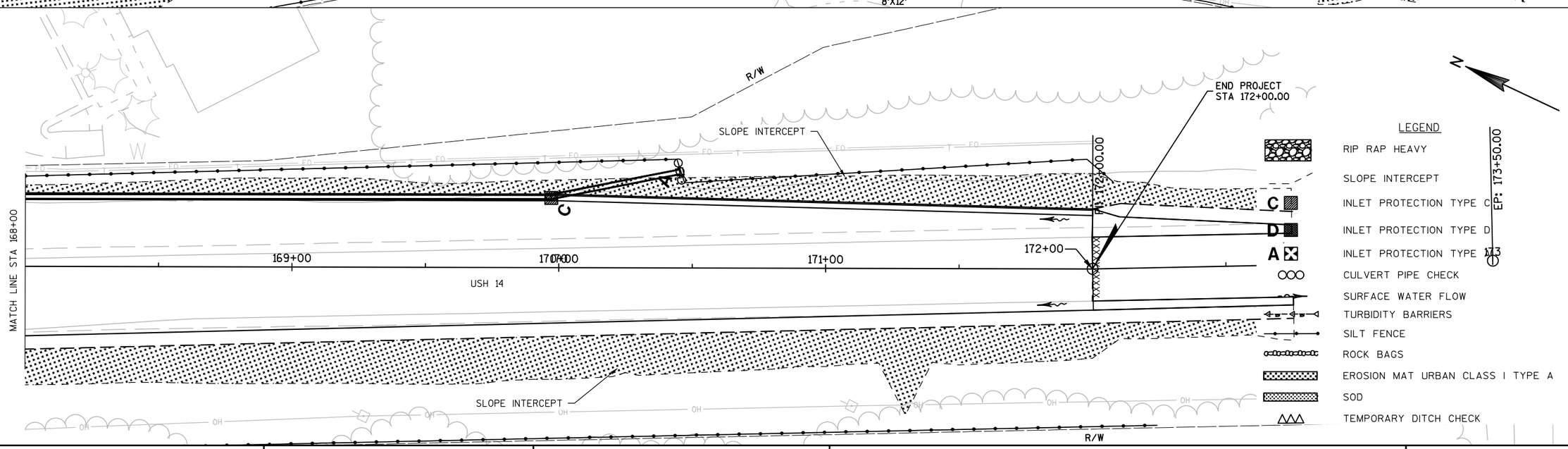
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FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\022001_EC-USH 14.DWG PLOT DATE : 11/21/2014 2:02 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1:40_XREF

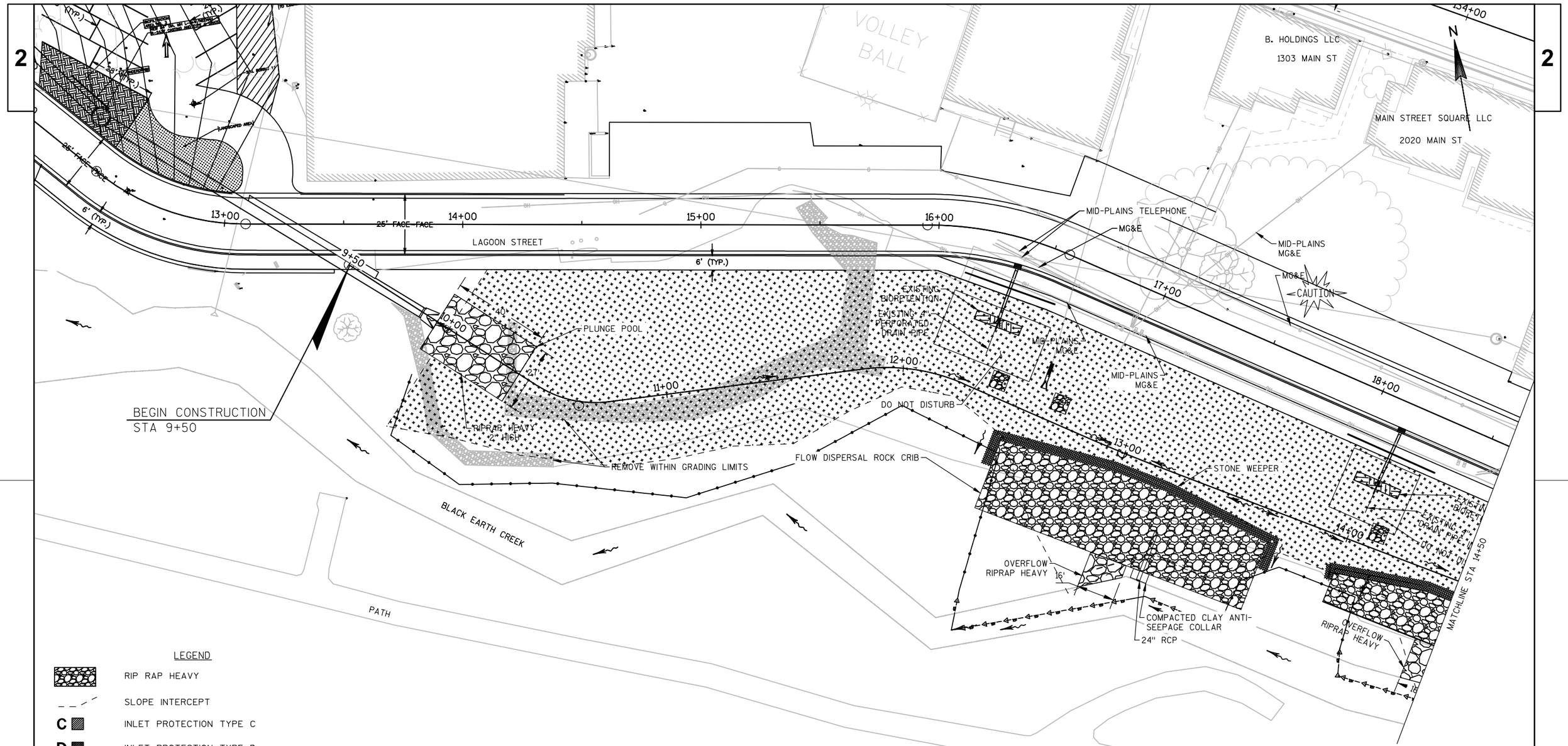
WISDOT/CADDS SHEET 42

2





PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 96	E

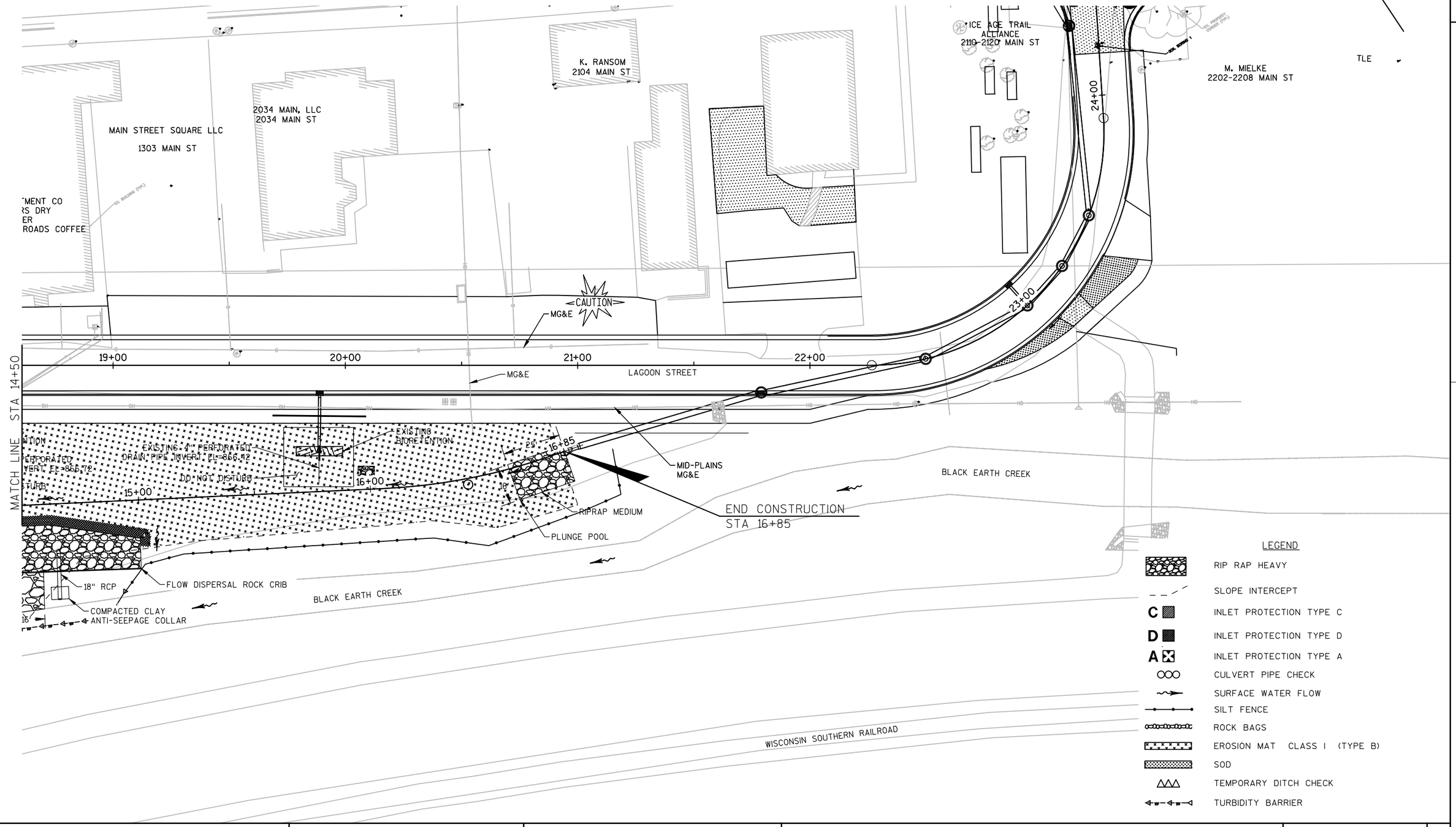


LEGEND

- RIP RAP HEAVY
- SLOPE INTERCEPT
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- A — INLET PROTECTION TYPE A
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE
- ROCK BAGS
- EROSION MAT CLASS I (TYPE B)
- SOD
- TEMPORARY DITCH CHECK
- TURBIDITY BARRIER

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 97	E

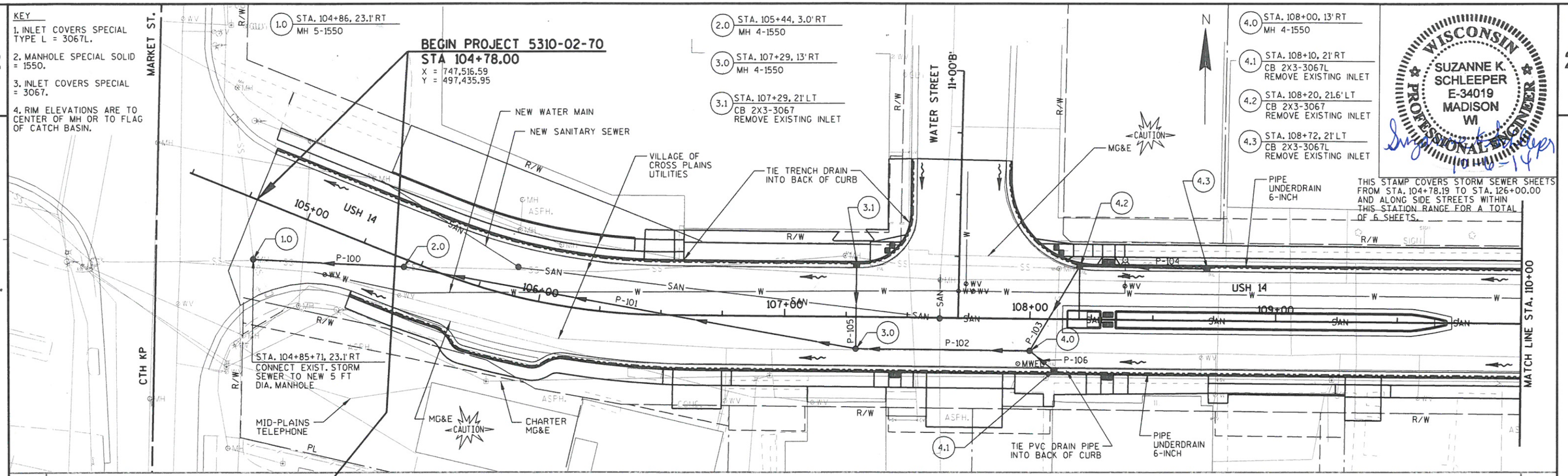
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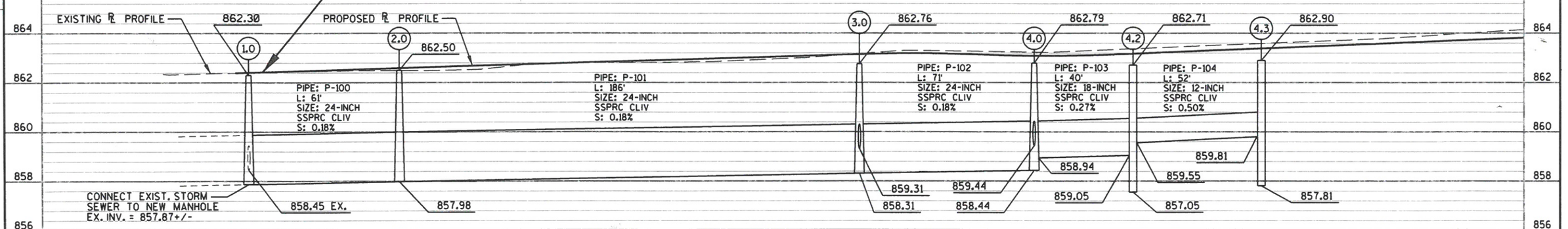


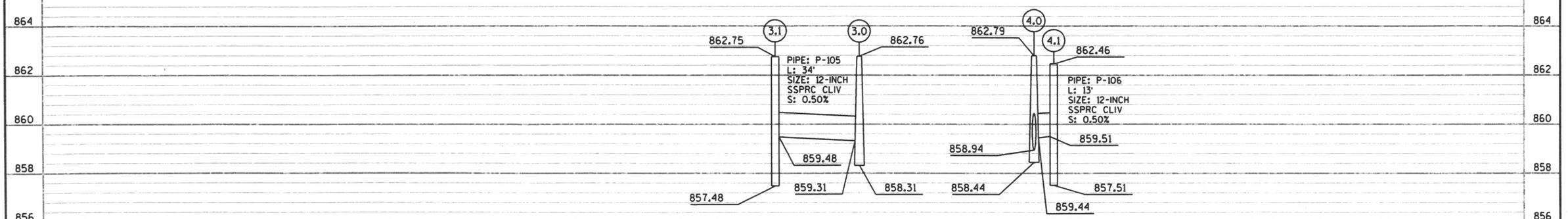
PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 98	E

KEY

1. INLET COVERS SPECIAL TYPE L = 3067L.
2. MANHOLE SPECIAL SOLID = 1550.
3. INLET COVERS SPECIAL = 3067.
4. RIM ELEVATIONS ARE TO CENTER OF MH OR TO FLAG OF CATCH BASIN.





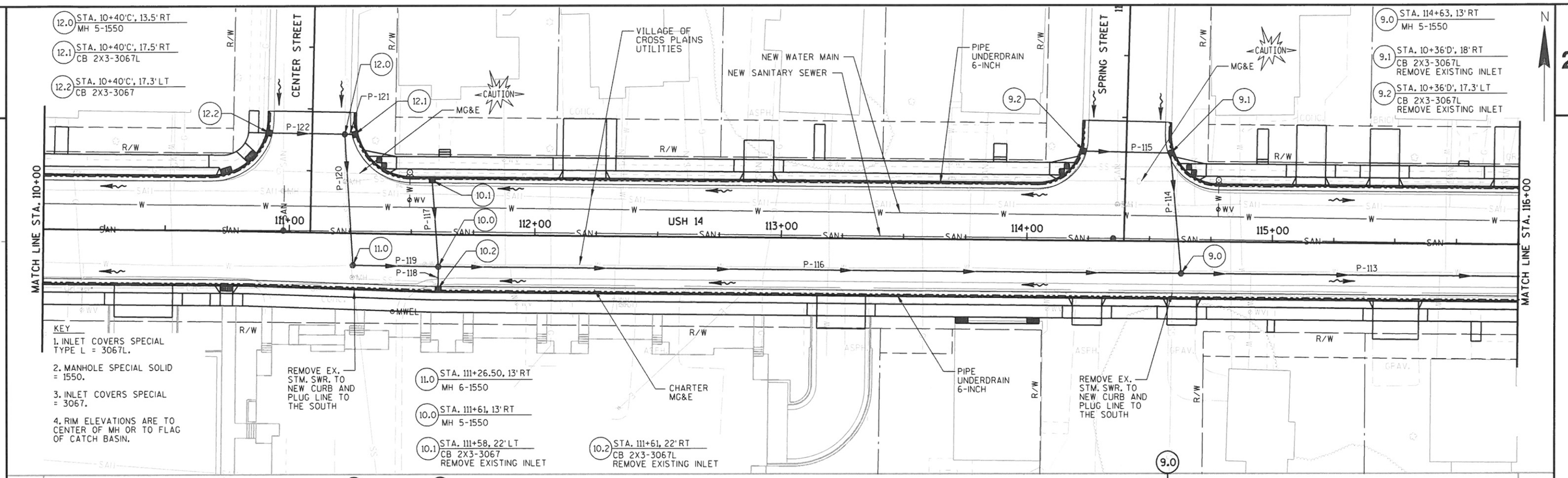


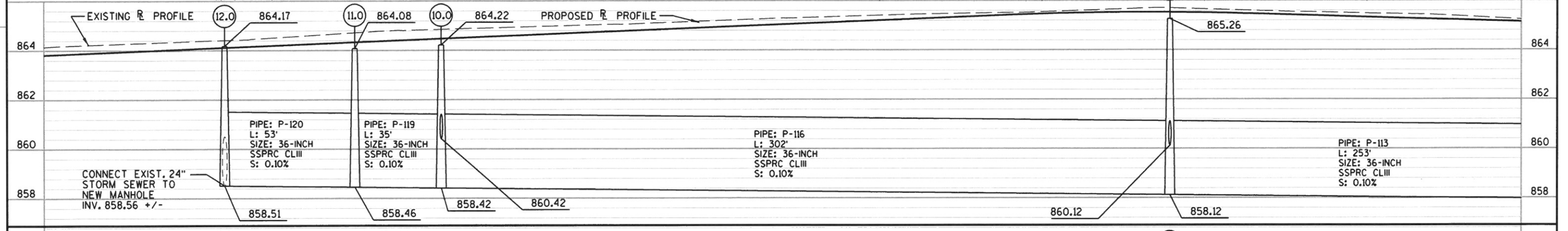
WISCONSIN
SUZANNE K. SCHLEEPER
E-34019
MADISON
WI
PROFESSIONAL ENGINEER
10-10-14

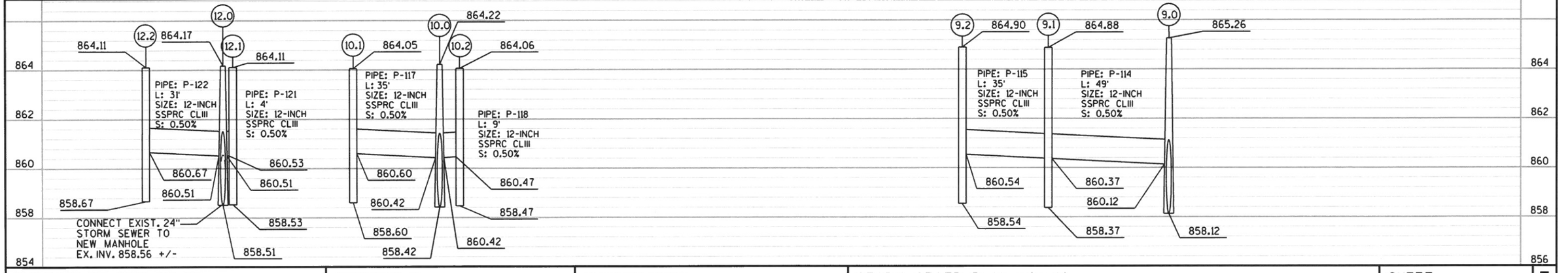
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\022501_ss.dgn PLOT DATE : 11/19/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

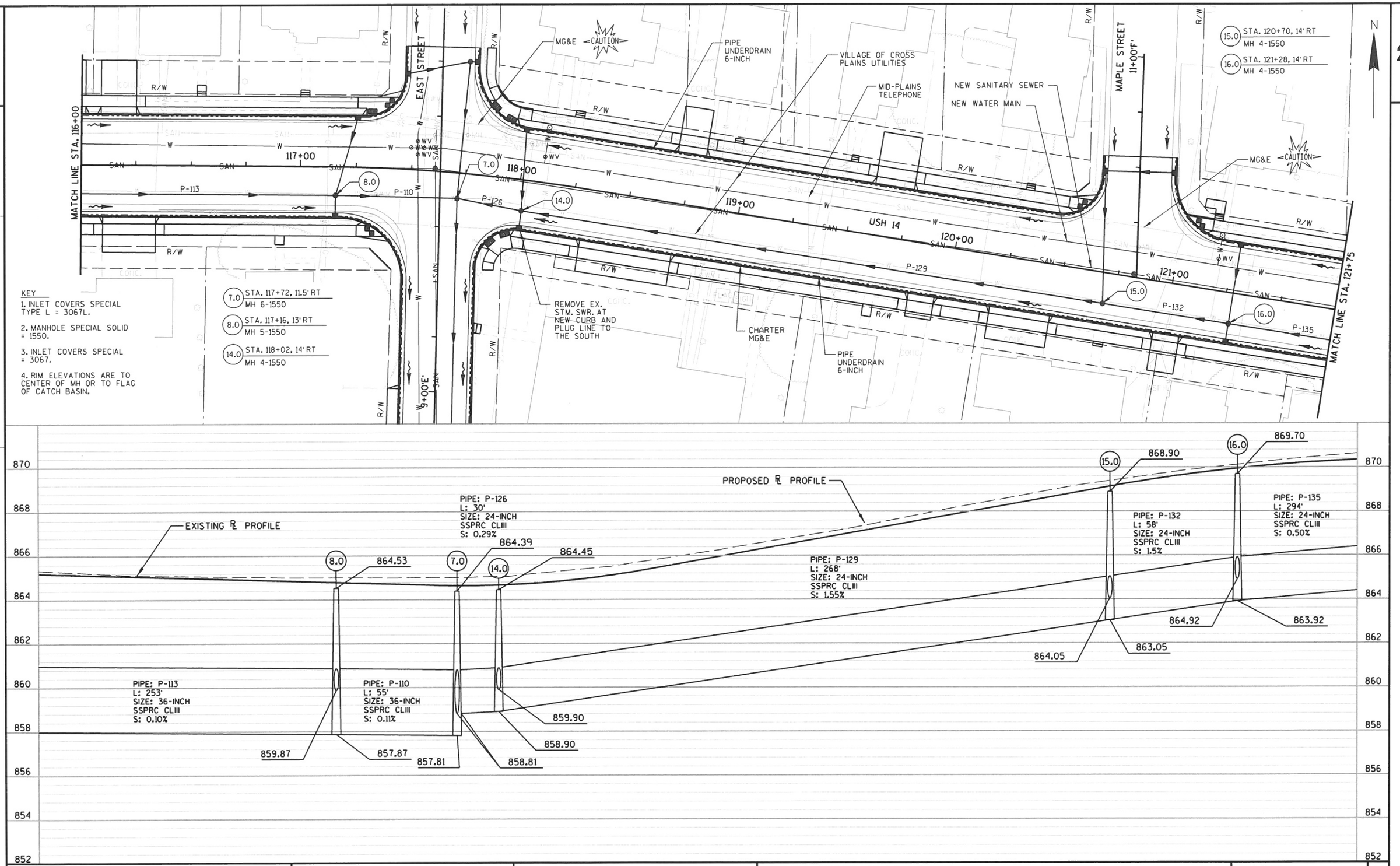
WISDOT/CADDS SHEET 41



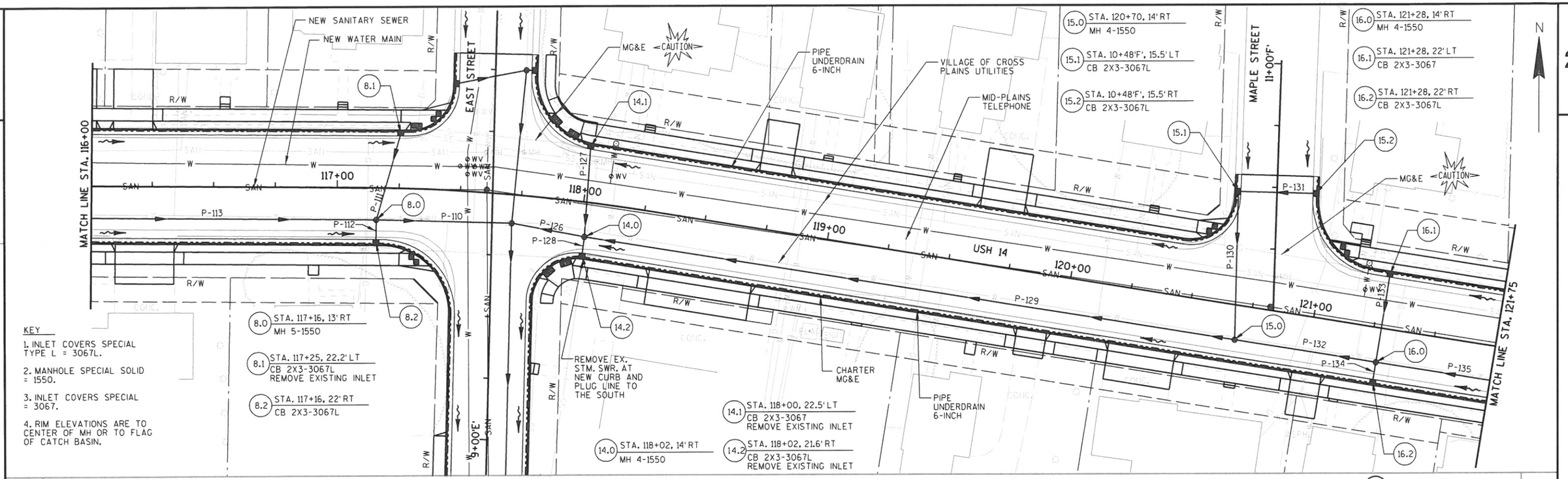




PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 100 E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 101 E



KEY

1. INLET COVERS SPECIAL TYPE L = 3067L.
2. MANHOLE SPECIAL SOLID = 1550.
3. INLET COVERS SPECIAL = 3067.
4. RIM ELEVATIONS ARE TO CENTER OF MH OR TO FLAG OF CATCH BASIN.

(8.0) STA. 117+16, 13' RT
MH 5-1550

(8.1) STA. 117+25, 22.2' LT
CB 2X3-3067L
REMOVE EXISTING INLET

(8.2) STA. 117+16, 22' RT
CB 2X3-3067L

(14.0) STA. 118+02, 14' RT
MH 4-1550

(14.1) STA. 118+00, 22.5' LT
CB 2X3-3067
REMOVE EXISTING INLET

(14.2) STA. 118+02, 21.6' RT
CB 2X3-3067L
REMOVE EXISTING INLET

(15.0) STA. 120+70, 14' RT
MH 4-1550

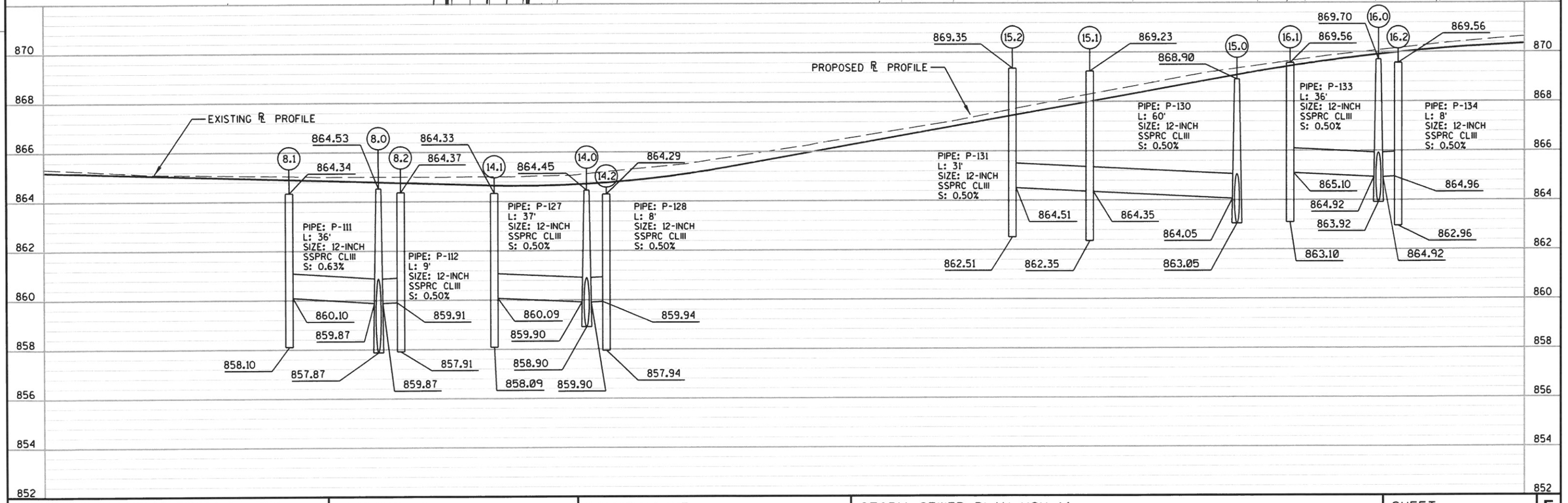
(15.1) STA. 10+48'F', 15.5' LT
CB 2X3-3067L

(15.2) STA. 10+48'F', 15.5' RT
CB 2X3-3067L

(16.0) STA. 121+28, 14' RT
MH 4-1550

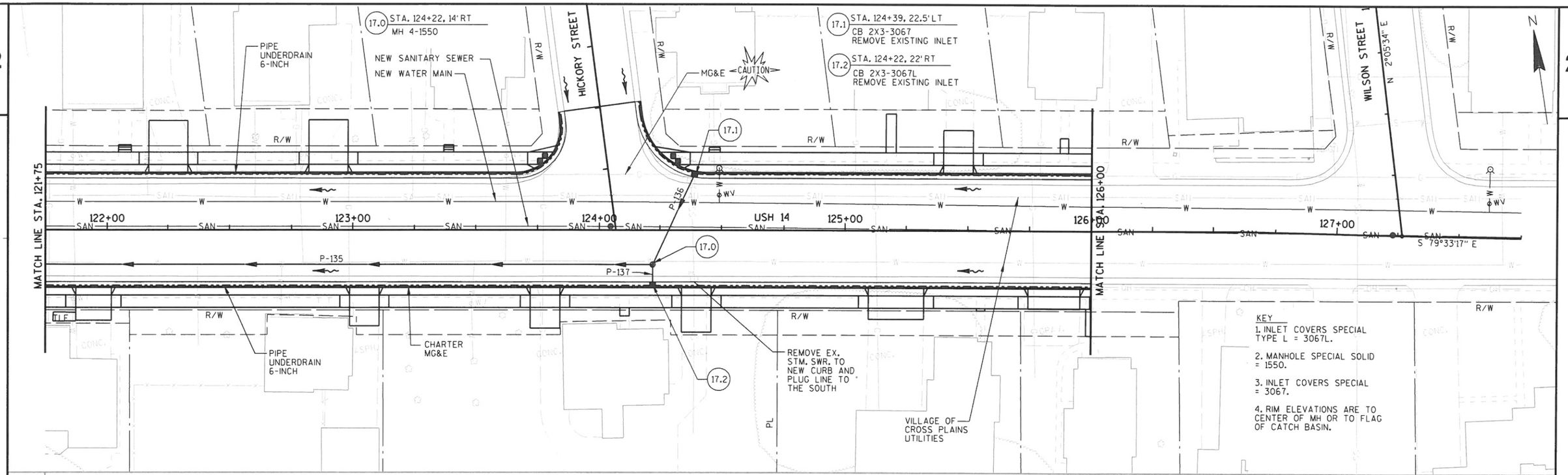
(16.1) STA. 121+28, 22' LT
CB 2X3-3067

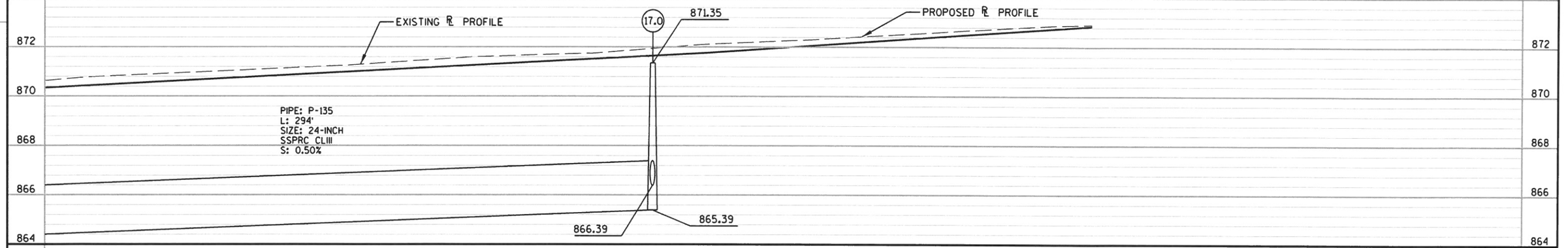
(16.2) STA. 121+28, 22' RT
CB 2X3-3067L

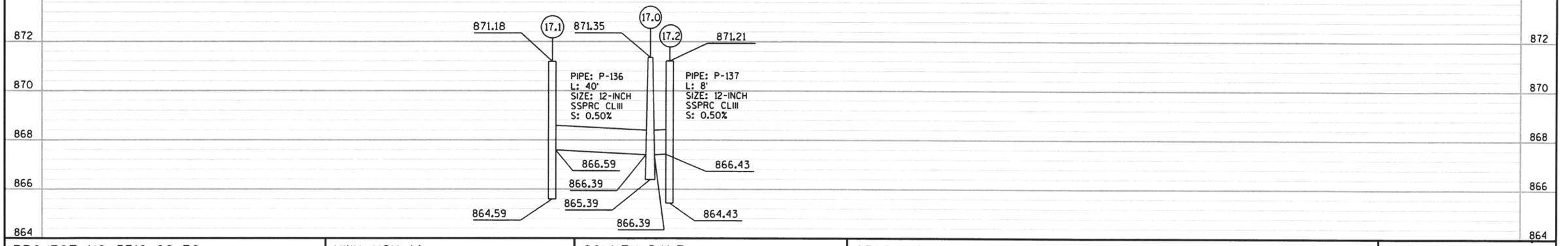


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\022504_ss.dgn PLOT DATE : 11/19/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.







PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 103 E

KEY

1. INLET COVERS SPECIAL TYPE L = 3067L.
2. MANHOLE SPECIAL SOLID = 1550.
3. INLET COVERS SPECIAL = 3067.
4. RIM ELEVATIONS ARE TO CENTER OF MH OR TO FLAG OF CATCH BASIN.

(5.0) STA. 8+11'E', 8'RT
36" ENDWALL W/GRATE
HEAVY RIPRAP

(6.0) STA. 8+58'E', 8'RT
MH 5-1550

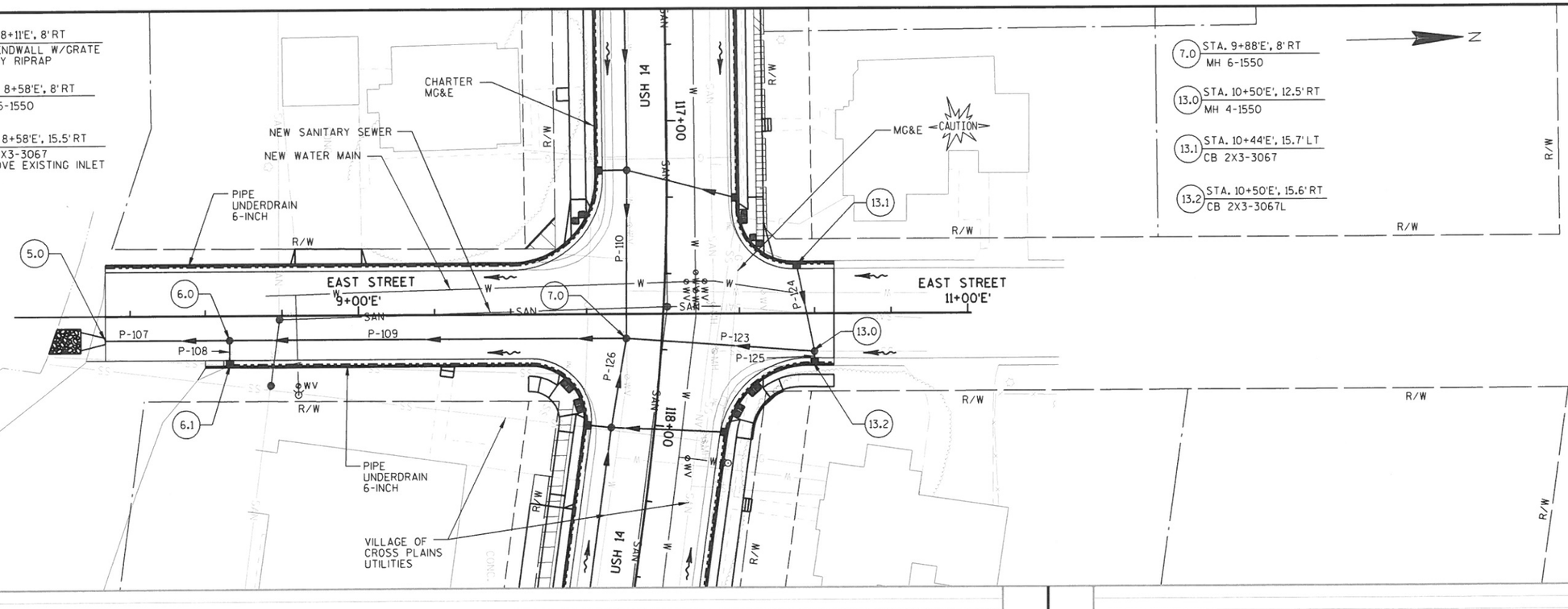
(6.1) STA. 8+58'E', 15.5'RT
CB 2X3-3067
REMOVE EXISTING INLET

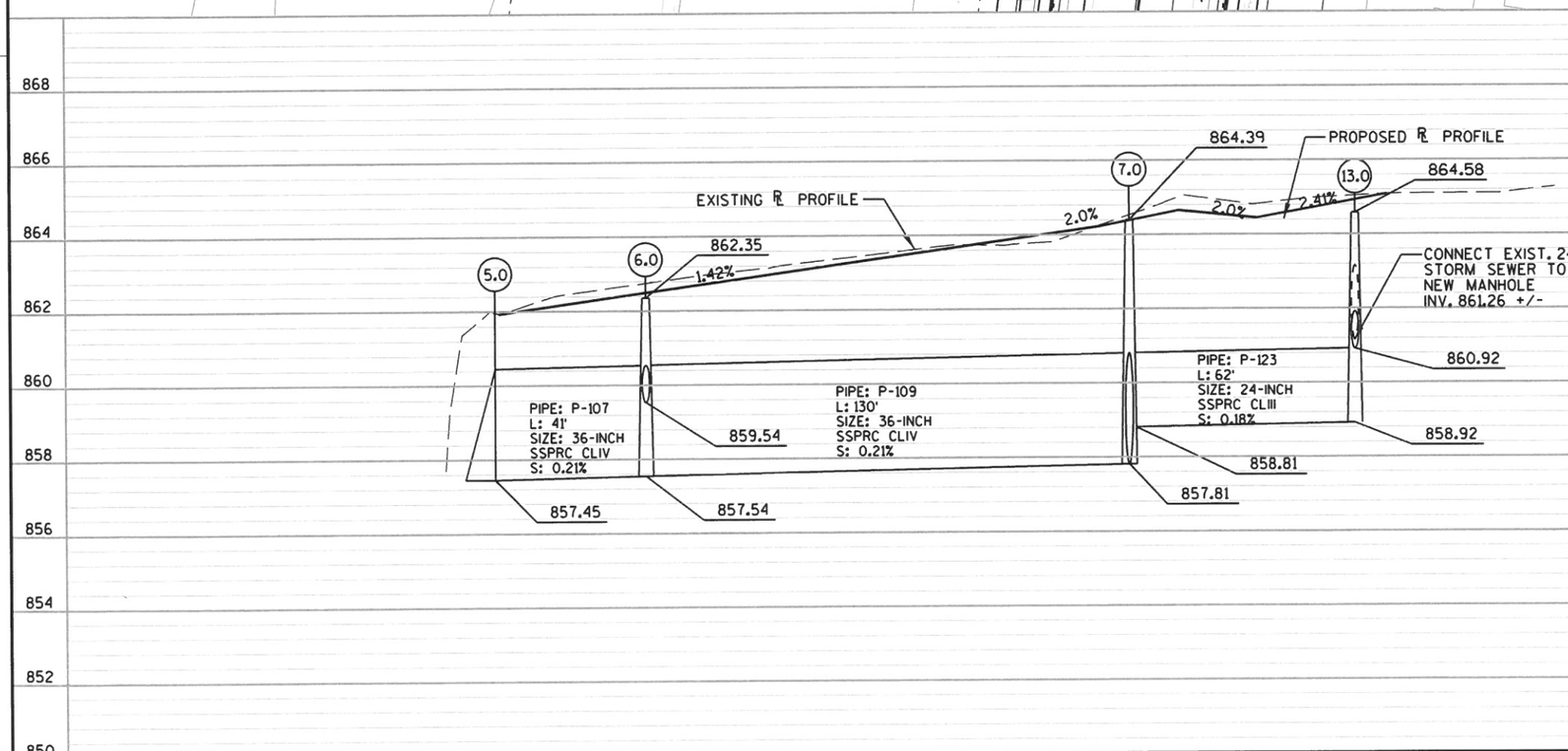
(7.0) STA. 9+88'E', 8'RT
MH 6-1550

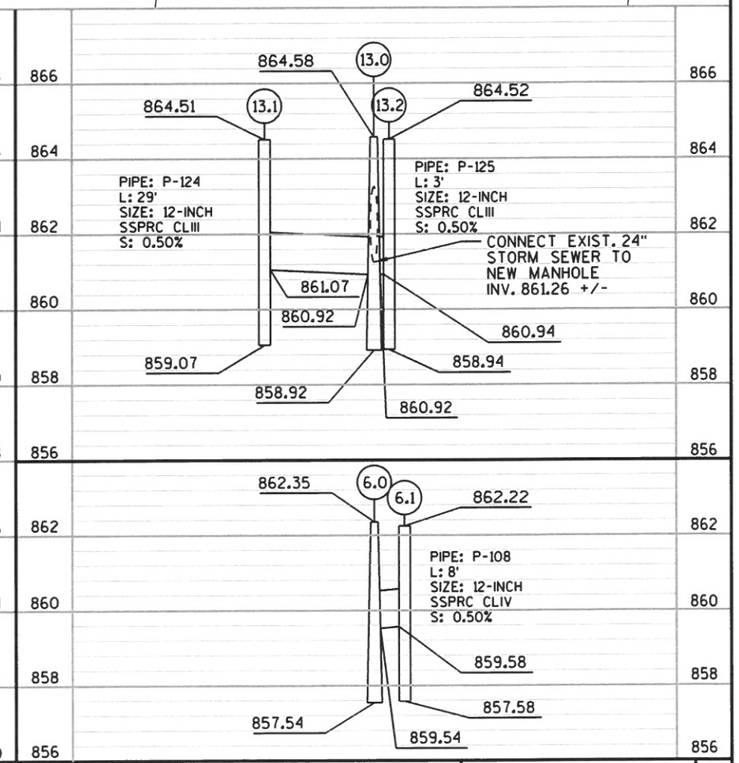
(13.0) STA. 10+50'E', 12.5'RT
MH 4-1550

(13.1) STA. 10+44'E', 15.7'LT
CB 2X3-3067

(13.2) STA. 10+50'E', 15.6'RT
CB 2X3-3067L







PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 104 E

KEY

INLET COVERS SPECIAL TYPE L = 3067L
MANHOLE SPECIAL SOLID = 1550
INLET COVERS SPECIAL = 3067
NOTE: 3067 AND 3067L RIM ELEVATIONS ARE AT THE CURB FLANGE.
NOTE: STATION OFFSETS ARE TO THE CENTER OF STRUCTURE, PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE ROUNDED TO THE NEAREST FOOT.

HICKORY STREET
WILSON STREET
LAGOON STREET
USH 14
MATCH LINE STA 122+80
MATCH LINE STA 128+50
11+00
123+00
124+00
125+00
126+00
127+00
128+00
10+41
R/W
PIPE UNDERDRAIN WRAPPED 6-INCH
CONNECT EXISTING 24" PIPE
MG&E
CAUTION
CHARTER MG&E
VILLAGE OF CROSS PLAINS UTILITIES
CONNECT TO EXISTING 42" PIPE
P-123
P-200
P-201
P-203
P-204
P-205
P-206
P-207
P-345

20.0 STA 127+09, 36' RT
MH 7-3067L

21.0 STA 127+07, 13' RT
MH 8-1550

21.1 STA 127+04, 44' LT
MH 4-3067L
REMOVE EXISTING INLET

21.2 STA 127+36.08, 48' LT
CB 2X3-3067L
REMOVE EXISTING INLET

22.0 STA 127+73, 12' RT
MH 4-1550

22.1 STA 127+71, 24.85' LT
CB 2X3-3067L

22.2 STA 127+73, 20.63' RT
CB 2X3-3067L

22.43 STA 127+81, 24.75' LT
CB 2X3-3067L

STRUCTURE: 21.1
RIM: 873.15
INV: 868.12

STRUCTURE: 20.0
RIM: 872.88
INV: 867.97

PIPE: P-123
EXISTING 24" RCCP

PIPE: P-203
UP INVERT: 868.12
DOWN INVERT: 868.02
L: 57'
SIZE: 24-INCH SSPRC CL IV
S: 0.18%

PIPE: P-200
UP INVERT: 868.02
DOWN INVERT: 867.97
L: 23'
SIZE: SSPRC HE-IV 34X53-INCH
S: 0.22%

STRUCTURE: 22.1
RIM: 873.33
INV: 869.96
SUMP: 867.96

STRUCTURE: 22.3
RIM: 873.39
INV: 870.06
SUMP: 868.06

STRUCTURE: 21.2
RIM: 873.13
INV: 869.35
SUMP: 867.35

PIPE: P-204
UP INVERT: 869.35
DOWN INVERT: 869.20
L: 32'
SIZE: 12-INCH SSPRC CL IV
S: 0.47%

PIPE: P-345
UP INVERT: 870.06
DOWN INVERT: 869.96
L: 10'
SIZE: 12-INCH SSPRC CL IV
S: 1.00%

STRUCTURE: 21.0
RIM: 873.20
INV: 868.02

PIPE: P-206
UP INVERT: 869.90
DOWN INVERT: 869.80
L: 8'
SIZE: 12-INCH SSPRC CL IV
S: 1.25%

STRUCTURE: 22.2
RIM: 873.43
INV: 869.80
SUMP: 867.80

PIPE: P-205
UP INVERT: 869.96
DOWN INVERT: 869.80
L: 36'
SIZE: 12-INCH SSPRC CL IV
S: 0.44%

STRUCTURE: 22.0
RIM: 873.57
INV: 868.80

PIPE: P-201
UP INVERT: 868.80
DOWN INVERT: 868.16
L: 66'
SIZE: 24-INCH SSPRC CL IV
S: 0.97%

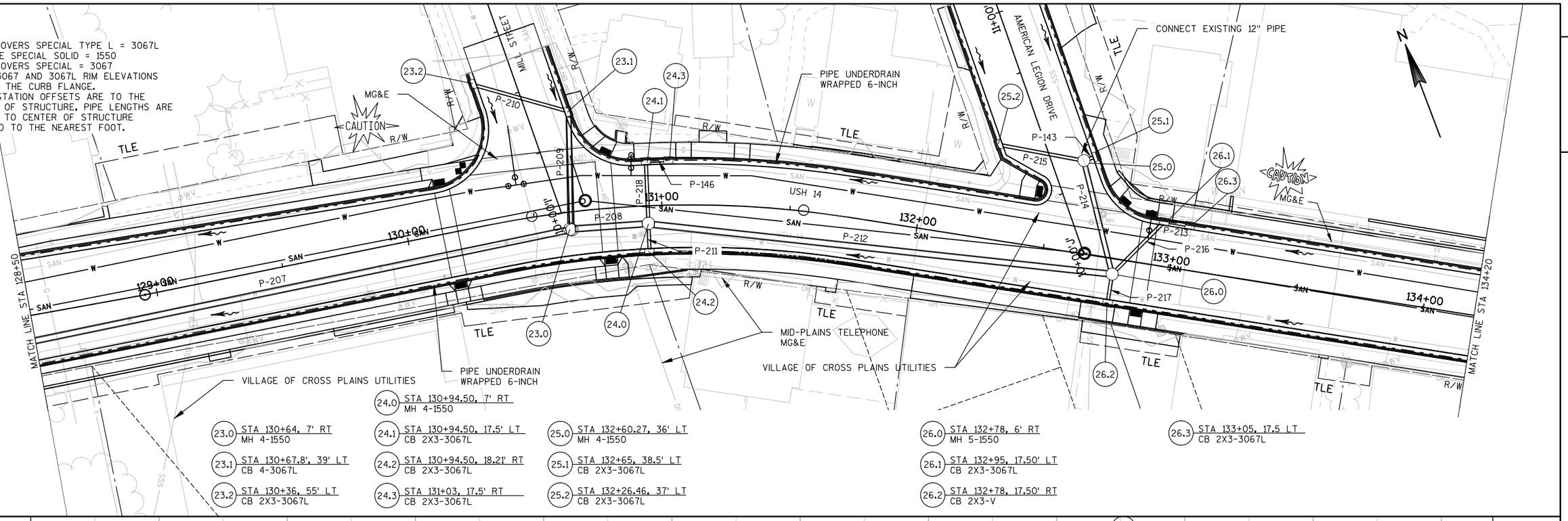
PIPE: P-207
UP INVERT: 869.93
DOWN INVERT: 868.80
L: 290'
SIZE: 24-INCH SSPRC CL IV
S: 0.39%

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 105	E

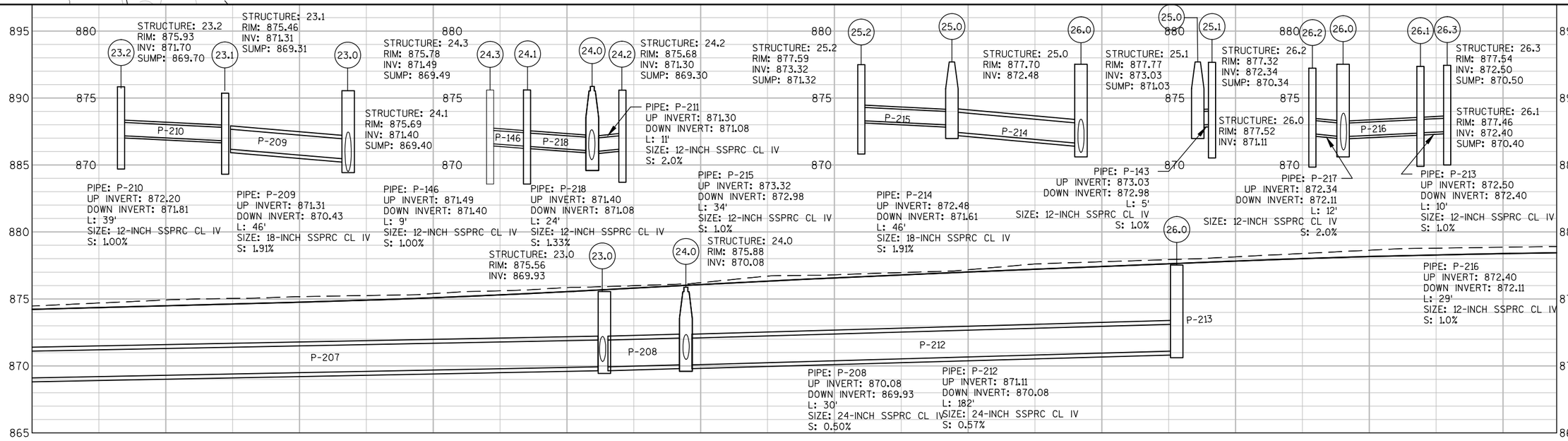
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KEY

INLET COVERS SPECIAL TYPE L = 3067L
MANHOLE SPECIAL SOLID = 1550
INLET COVERS SPECIAL = 3067
NOTE: 3067 AND 3067L RIM ELEVATIONS ARE AT THE CURB FLANGE.
NOTE: STATION OFFSETS ARE TO THE CENTER OF STRUCTURE, PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE ROUNDED TO THE NEAREST FOOT.



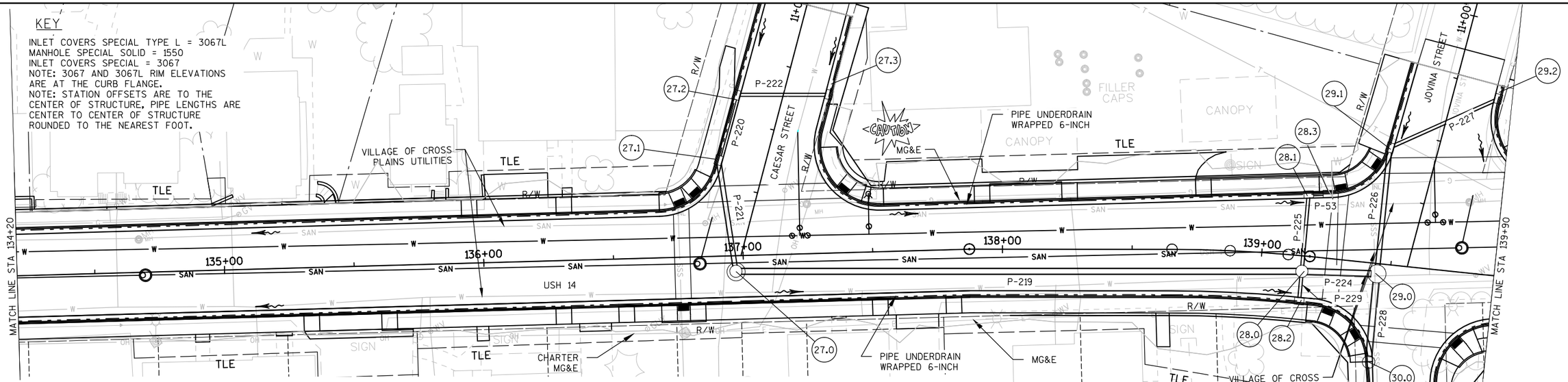
(23.0) STA 130+64, 7' RT — MH 4-1550
(23.1) STA 130+67.8', 39' LT — CB 4-3067L
(23.2) STA 130+36, 55' LT — CB 2X3-3067L
(24.0) STA 130+94.50, 7' RT — MH 4-1550
(24.1) STA 130+94.50, 17.5' LT — CB 2X3-3067L
(24.2) STA 130+94.50, 18.21' RT — CB 2X3-3067L
(24.3) STA 131+03, 17.5' RT — CB 2X3-3067L
(25.0) STA 132+60.27, 36' LT — MH 4-1550
(25.1) STA 132+65, 38.5' LT — CB 2X3-3067L
(25.2) STA 132+26.46, 37' LT — CB 2X3-3067L
(26.0) STA 132+78, 6' RT — MH 5-1550
(26.1) STA 132+95, 17.50' LT — CB 2X3-3067L
(26.2) STA 132+78, 17.50' RT — CB 2X3-V
(26.3) STA 133+05, 17.5 LT — CB 2X3-3067L



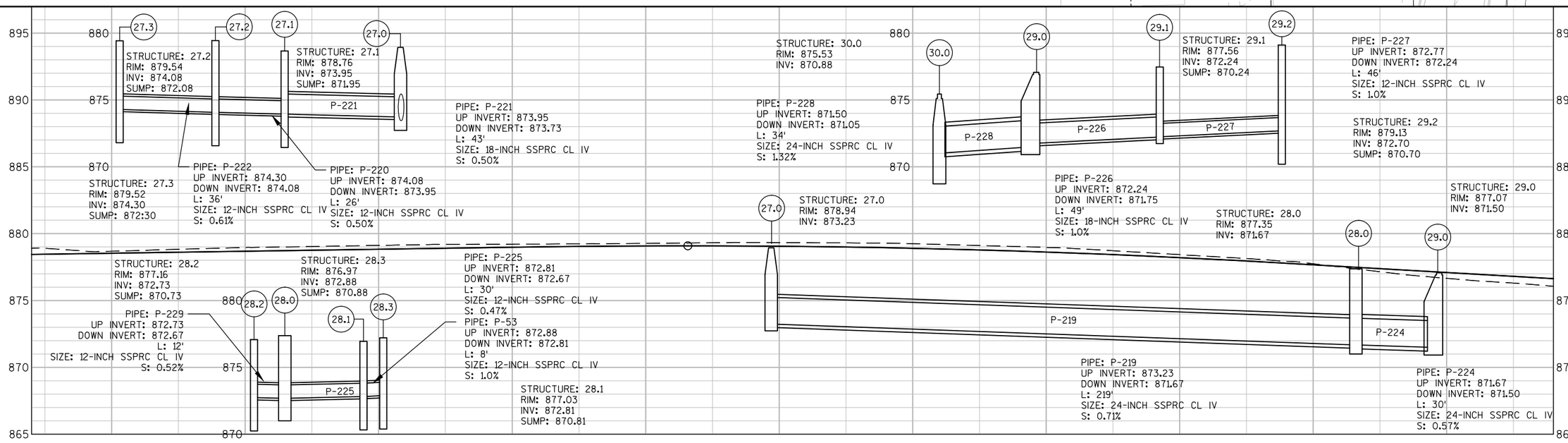
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 106	E

KEY

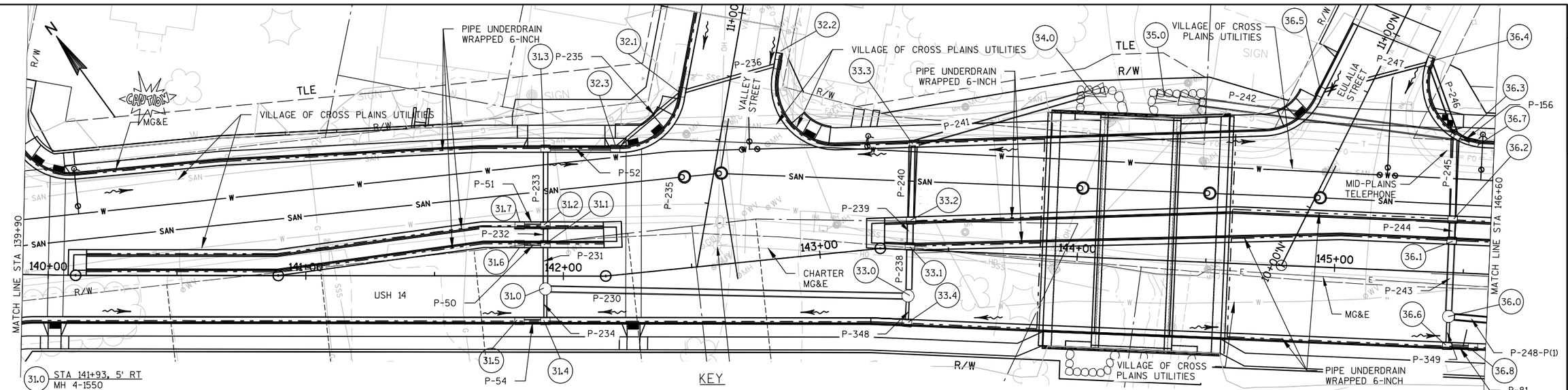
INLET COVERS SPECIAL TYPE L = 3067L
MANHOLE SPECIAL SOLID = 1550
INLET COVERS SPECIAL = 3067
NOTE: 3067 AND 3067L RIM ELEVATIONS ARE AT THE CURB FLANGE.
NOTE: STATION OFFSETS ARE TO THE CENTER OF STRUCTURE, PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE ROUNDED TO THE NEAREST FOOT.



(27.0) STA 136+97, 6' RT — MH 4-1550
(27.1) STA 136+91.54, 37' LT — CB 4-3067L
(27.2) STA 136+99.1, 62' LT — CB 2X3-3067L
(27.3) STA 137+34.91', 61' LT — CB 2X3-3067L
(28.0) STA 139+16, 6' RT — MH 4-1550
(28.1) STA 139+16, 23.82' LT — CB 2X3-3067L
(28.2) STA 139+16, 17.53' RT — CB 2X3-3067L
(28.3) STA 139+23, 24.76' LT — CB 2X3-V
(29.0) STA 139+45, 4' RT — MH 5-1550
(29.1) STA 139+44.89, 45' LT — MH 4-3067L
(29.2) STA 139+84.52, 68' LT — CB 2X3-3067L
(30.0) STA 139+45.00, 38.21' RT — MH 4-3067L



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 107	E



31.0 STA 141+93, 5' RT
MH 4-1550

31.1 STA 141+93, 12.50' LT
CB 2X3-3067

31.2 STA 141+93, 19.5' LT
CB 2X3-3067

31.3 STA 141+93, 49.50' LT
CB 4-V

31.4 STA 141+93, 17.50 RT
CB 2X3-3067

31.5 STA 141+83, 17.5' RT
CB 2X3-3067

31.6 STA 141+83, 12.5' LT
CB 2X3-3067

31.7 STA 141+83, 19.5' LT
CB 2X3, 3067

32.3 STA 142+25, 48.87' LT
CB 4-3067

32.1 STA 142+52.91, 68' LT
CB 4-3067L

32.2 STA 142+91.7, 75' LT
CB 2X3-3067L

33.0 STA 143+35, 18' LT
MH 4-1550

33.1 STA 143+35, 2' LT
MH 4-3067L

33.2 STA 143+35, 11.27' LT
MH 4-3067L

33.3 STA 143+35, 41.28' LT
MH 4-3067L

33.4 STA 143+35, 28.50' RT
CB 2X3-3067L

34.0 STA 144+00, 63' LT
APRON ENDWALL FOR CULVERT PIPE
REINFORCED CONCRETE 24-INCH W/ PIPE GRATE

KEY

INLET COVERS SPECIAL TYPE L = 3067L
MANHOLE SPECIAL SOLID = 1550
INLET COVERS SPECIAL = 3067
NOTE: 3067 AND 3067L RIM ELEVATIONS ARE AT THE CURB FLANGE.
NOTE: STATION OFFSETS ARE TO THE CENTER OF STRUCTURE, PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE ROUNDED TO THE NEAREST FOOT.

35.0 STA 144+45, 62' LT
APRON ENDWALL FOR CULVERT PIPE
REINFORCED CONCRETE 30-INCH W/ PIPE GRATE

36.0 STA 145+45, 17' RT
MH 4-1550

36.1 STA 145+45, 12.50' LT
INLET 2X3-3067

36.2 STA 145+45, 20.50' LT
INLET 2X3-3067

36.3 STA 145+45, 53.32' LT
MH 5-3067

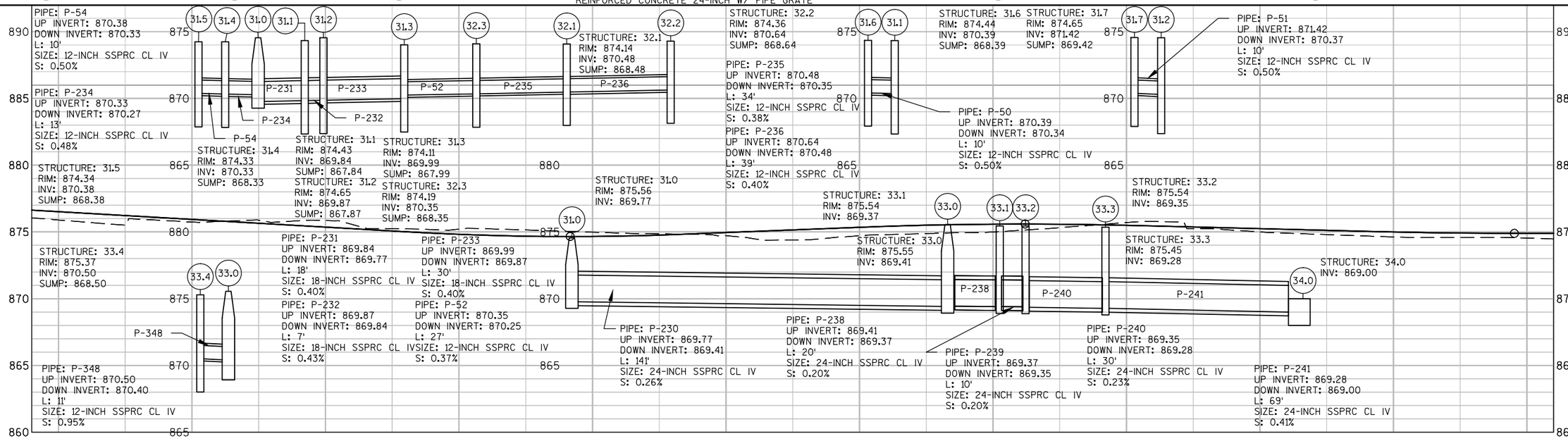
36.4 STA 154+33.72, 81' LT
CB 4-3067L

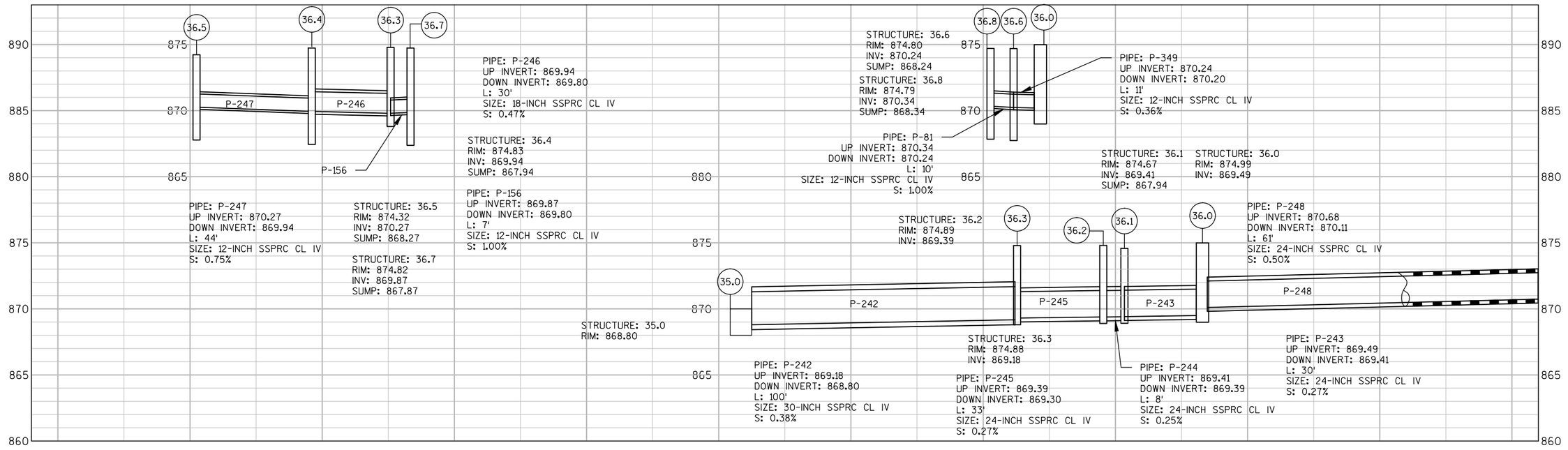
36.5 STA 144+91.59, 68' LT
CB 2X3-3067L

36.6 STA 145+45, 28.50' RT
CB 2X3-3067

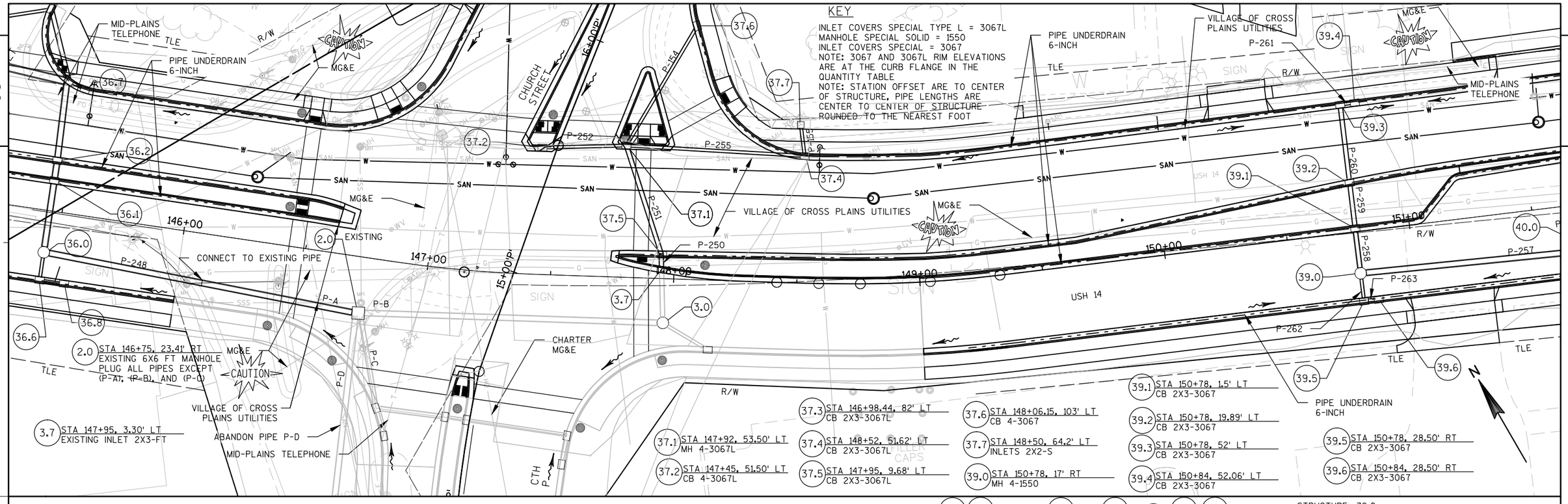
36.7 STA 145+52, 50.87' LT
CB 2X3-3067

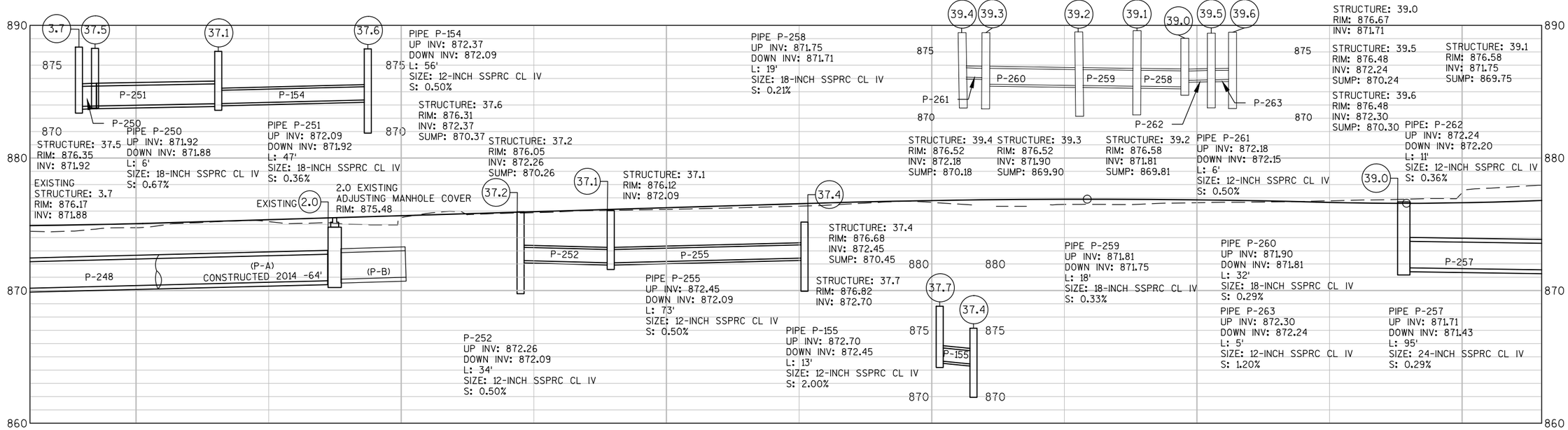
36.8 STA 145+55, 28.50' RT
CB 2X3-3067



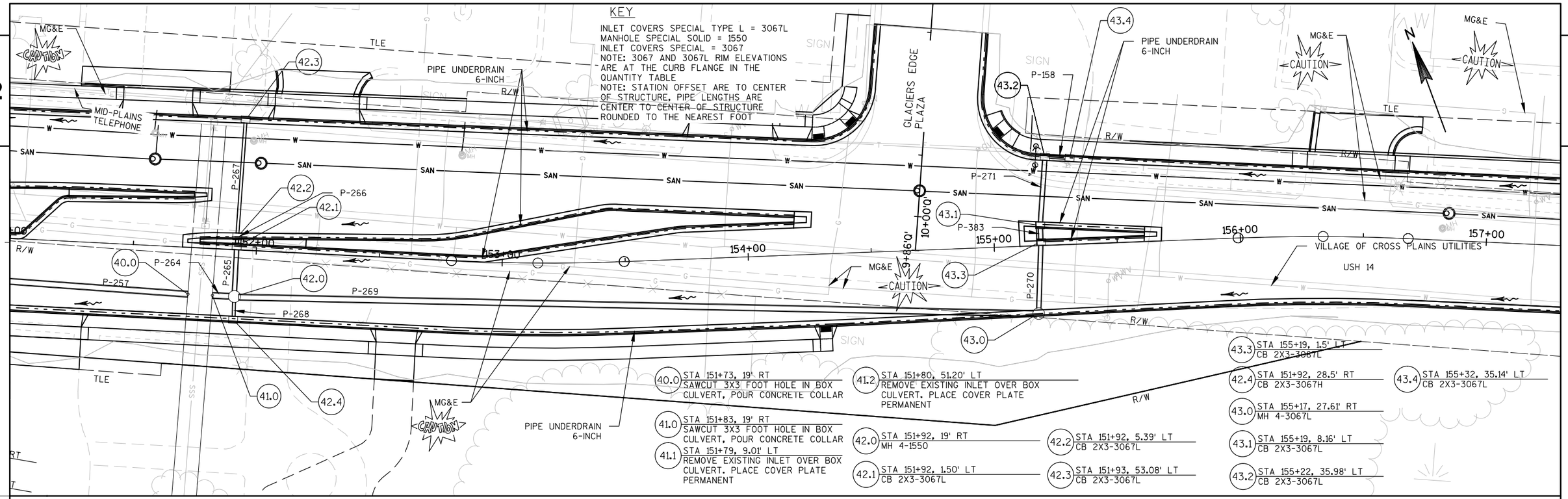


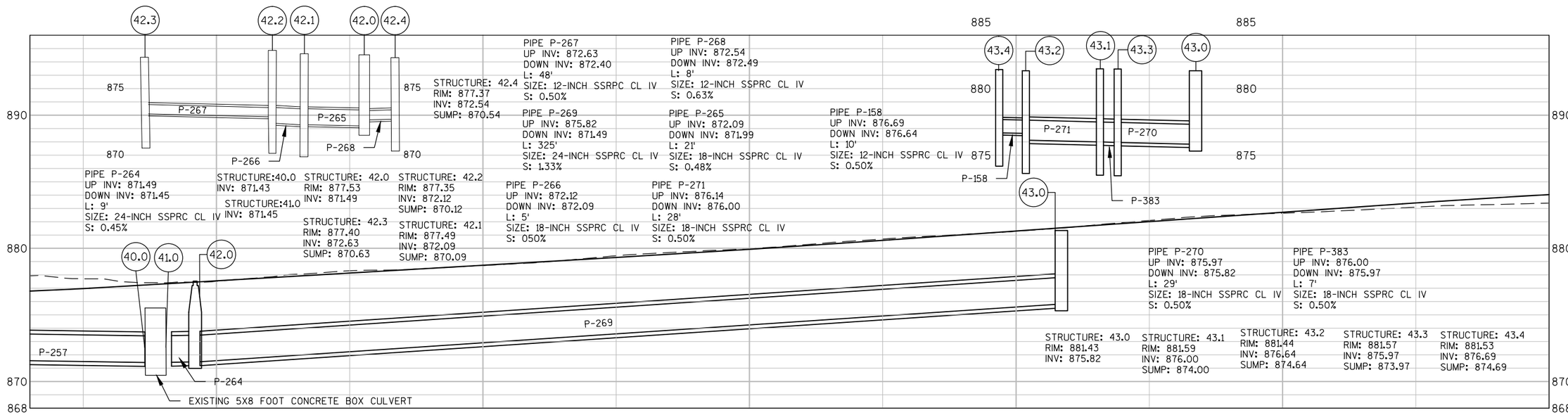
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 109	E



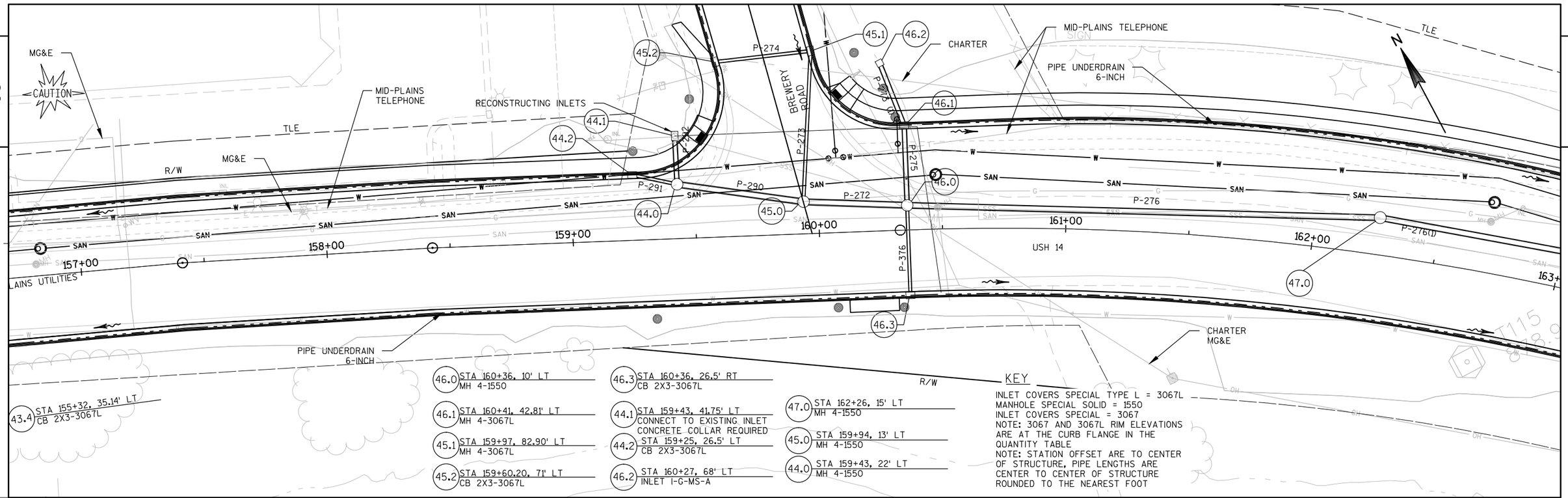


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 110	E





PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 111	E



43.4 STA 155+32, 35.14' LT
CB 2X3-3067L

46.0 STA 160+36, 10' LT
MH 4-1550

46.1 STA 160+41, 42.81' LT
MH 4-3067L

45.1 STA 159+97, 82.90' LT
MH 4-3067L

45.2 STA 159+60.20, 71' LT
CB 2X3-3067L

46.3 STA 160+36, 26.5' RT
CB 2X3-3067L

44.1 STA 159+43, 41.75' LT
CONNECT TO EXISTING INLET
CONCRETE COLLAR REQUIRED

44.2 STA 159+25, 26.5' LT
CB 2X3-3067L

46.2 STA 160+27, 68' LT
INLET I-G-MS-A

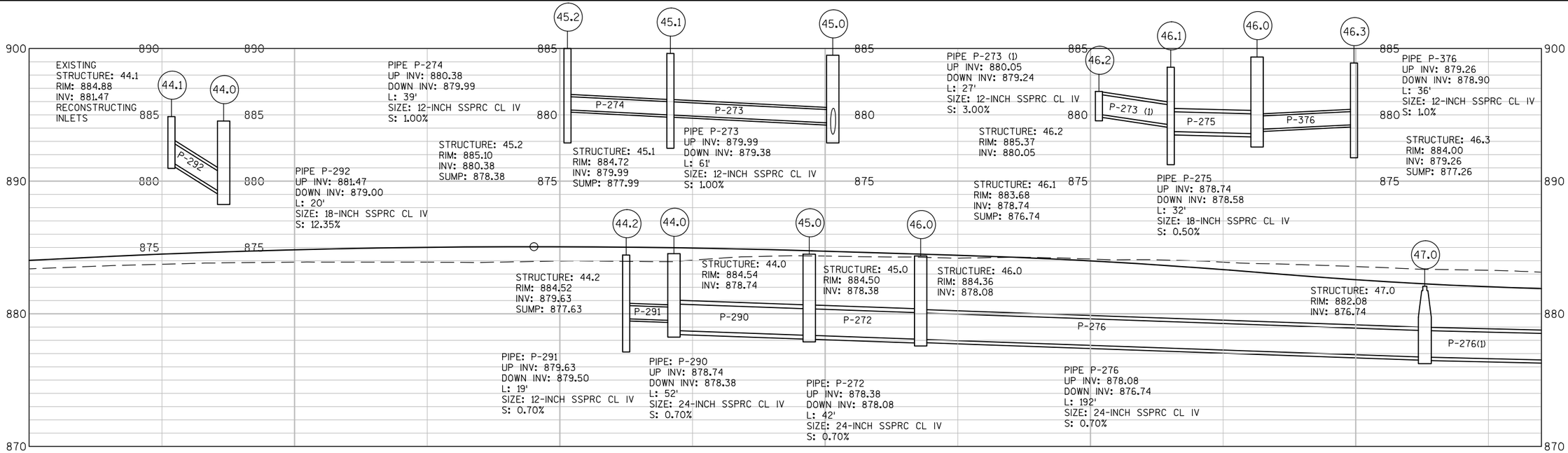
47.0 STA 162+26, 15' LT
MH 4-1550

45.0 STA 159+94, 13' LT
MH 4-1550

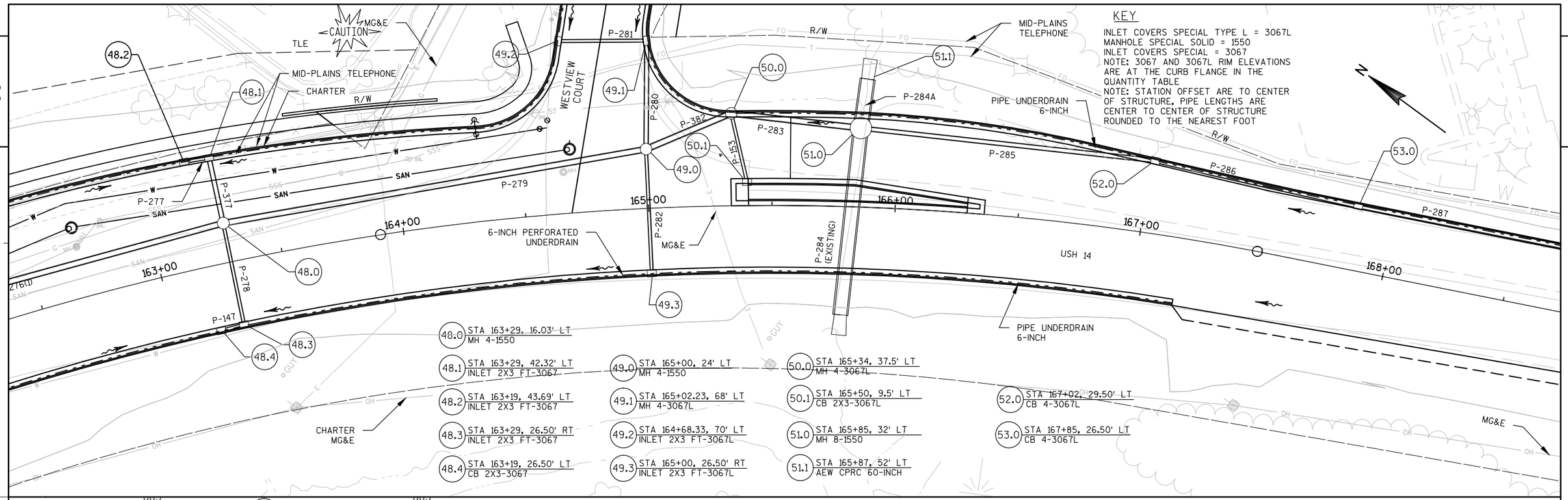
44.0 STA 159+43, 22' LT
MH 4-1550

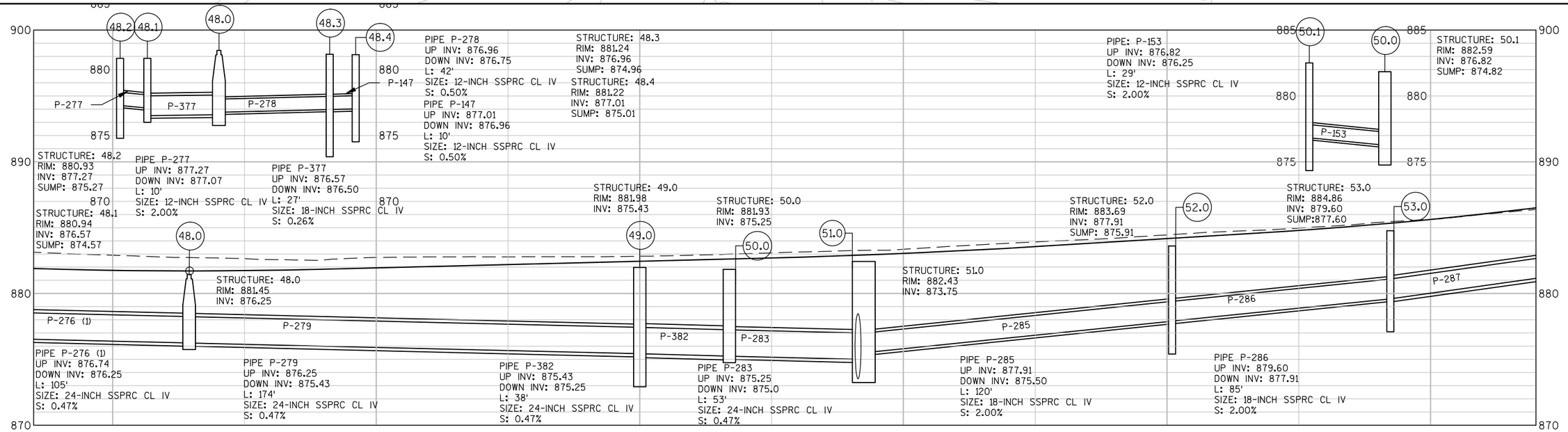
KEY

INLET COVERS SPECIAL TYPE L = 3067L
MANHOLE SPECIAL SOLID = 1550
INLET COVERS SPECIAL = 3067
NOTE: 3067 AND 3067L RIM ELEVATIONS ARE AT THE CURB FLANGE IN THE QUANTITY TABLE
NOTE: STATION OFFSET ARE TO CENTER OF STRUCTURE, PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE ROUNDED TO THE NEAREST FOOT

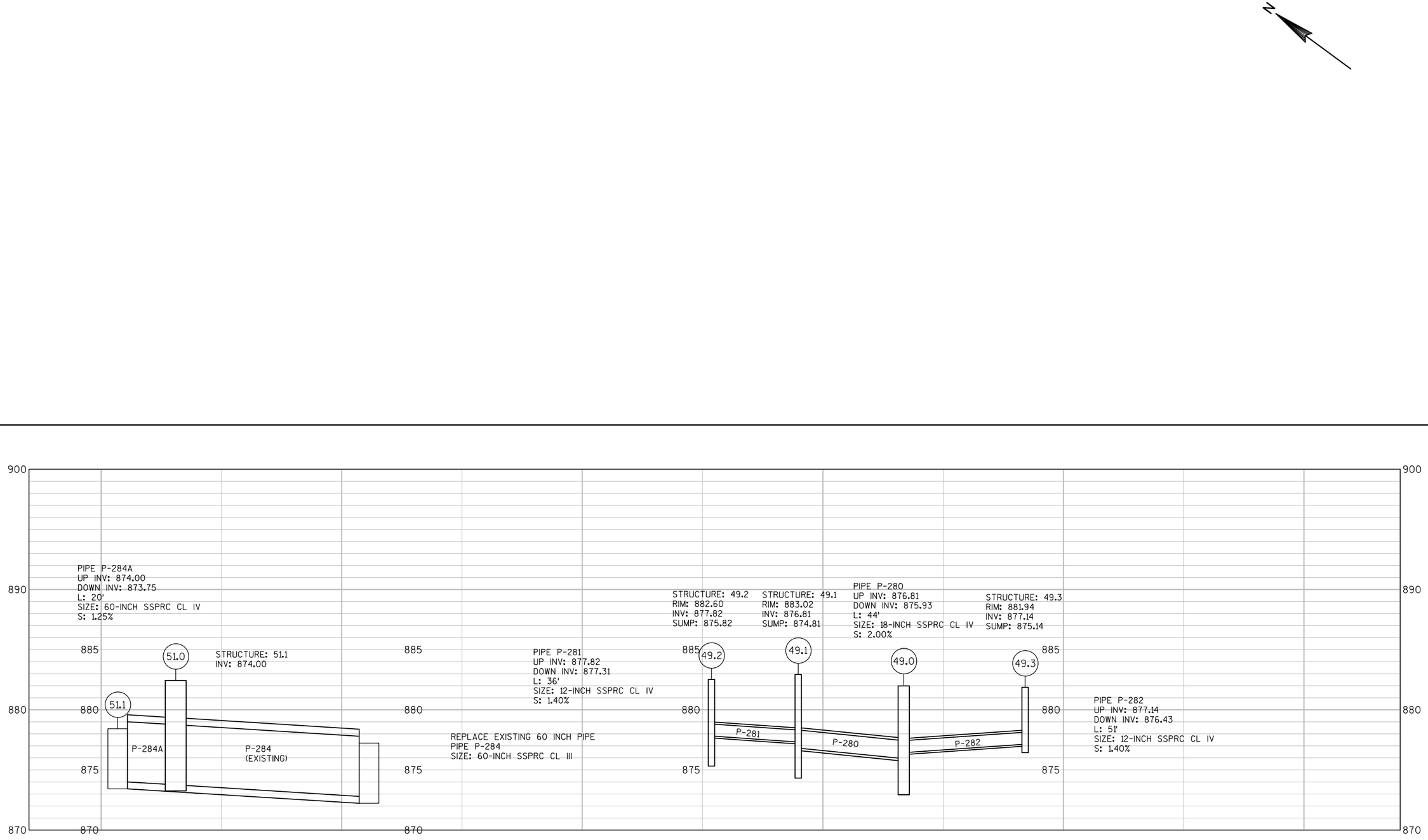


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 112	E

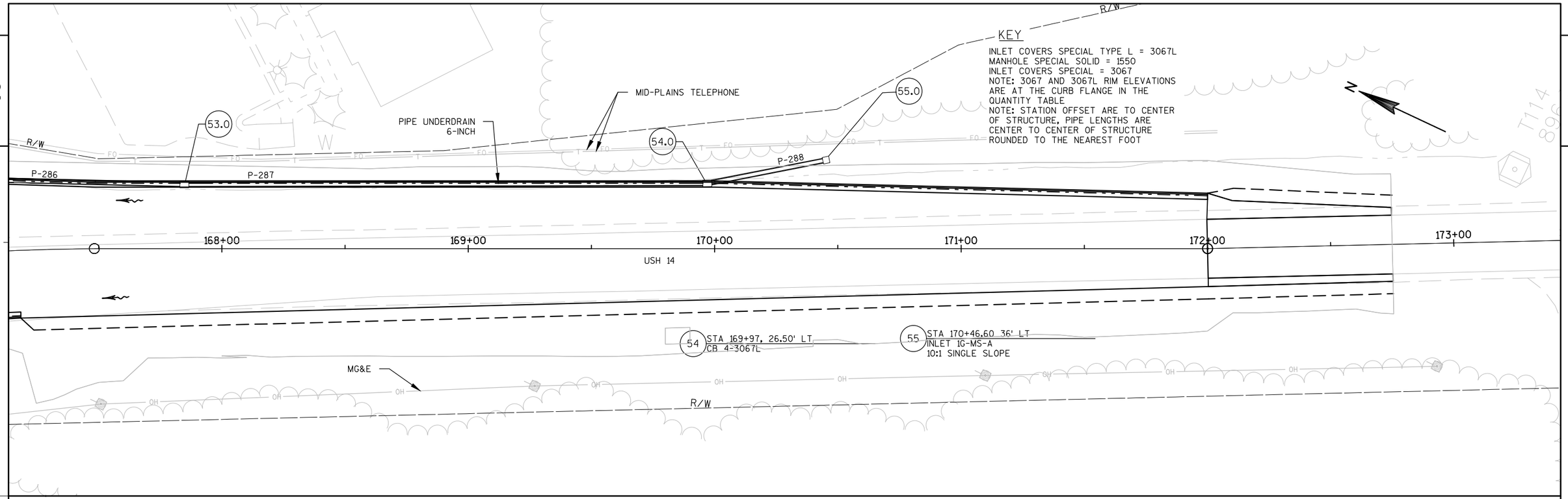


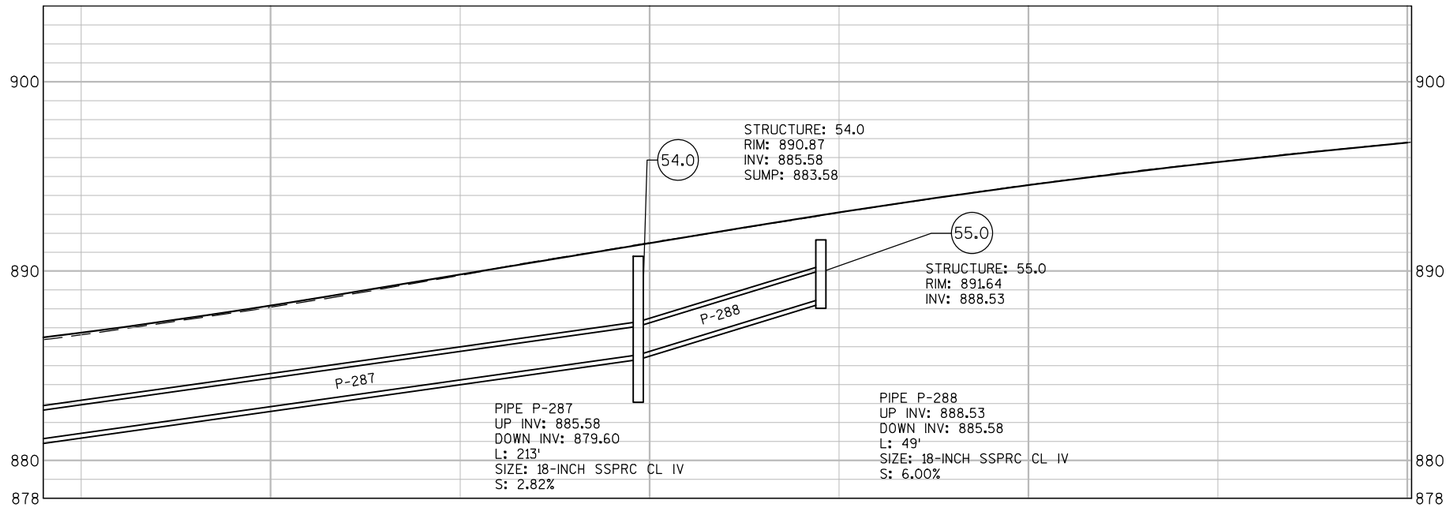


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 113	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 114	E





PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STORM SEWER PLAN USH 14	SHEET 115	E

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

MARKET STREET

1-01 COUNTY KP 14 REMOVE REMOVE REMOVE REMOVE

1-02 COUNTY KP REMOVE REMOVE

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

1-04 ONLY REMOVE

1-05 STOP REMOVE

11+00'B'

WATER STREET

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

104+49

105+00

106+00

107+00

108+00

109+00

BEGIN PROJECT 5310-02-70
STA 104+78.19

10+00'B'

USH 14

MATCHLINE STA 110+00

1-03 SPEED LIMIT 30 REMOVE

CTH KP

WISCONSIN SOUTHERN RAILROAD

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 116	E

2

N

JCT
REMOVE

2-01
COUNTY
KP
REMOVE

STOP
2-02
REMOVE

11+00'C'
CENTER STREET

STREET NAME SIGNS
TO BE REMOVED AND
RE-INSTALLED BY LOCAL
MUNICIPALITY (TYP.)

2-04
STOP
REMOVE

11+00'D'
SPRING STREET

STREET NAME SIGNS
TO BE REMOVED AND
RE-INSTALLED BY LOCAL
MUNICIPALITY (TYP.)

STA 110+00

111+00

112+00

113+00

114+00

115+00

STA 116+00

10+00'C'

10+00'D'

USH 14

MATCH LINE

MATCH LINE

SPEED
LIMIT
30
2-03
REMOVE

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

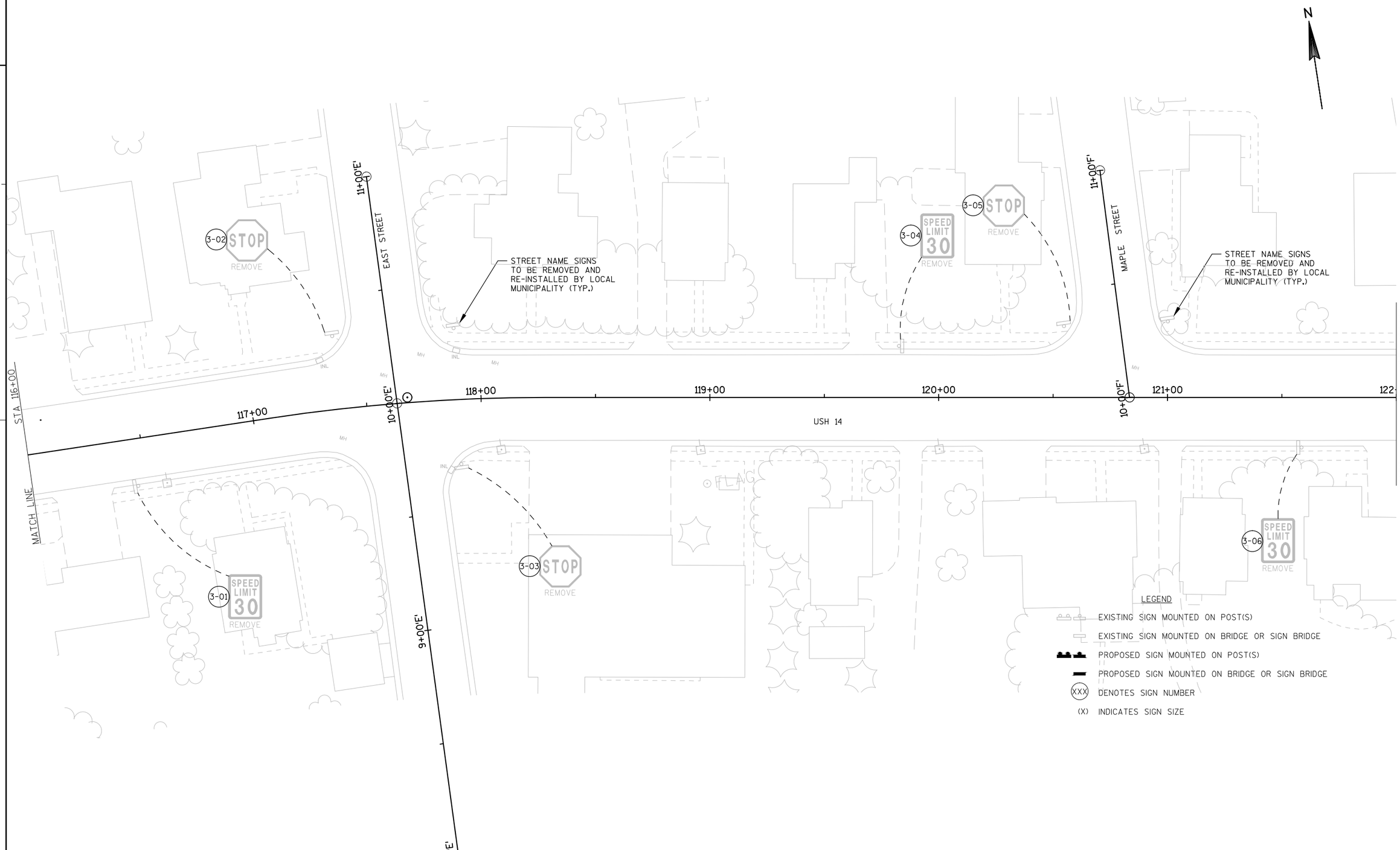
(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 117	E

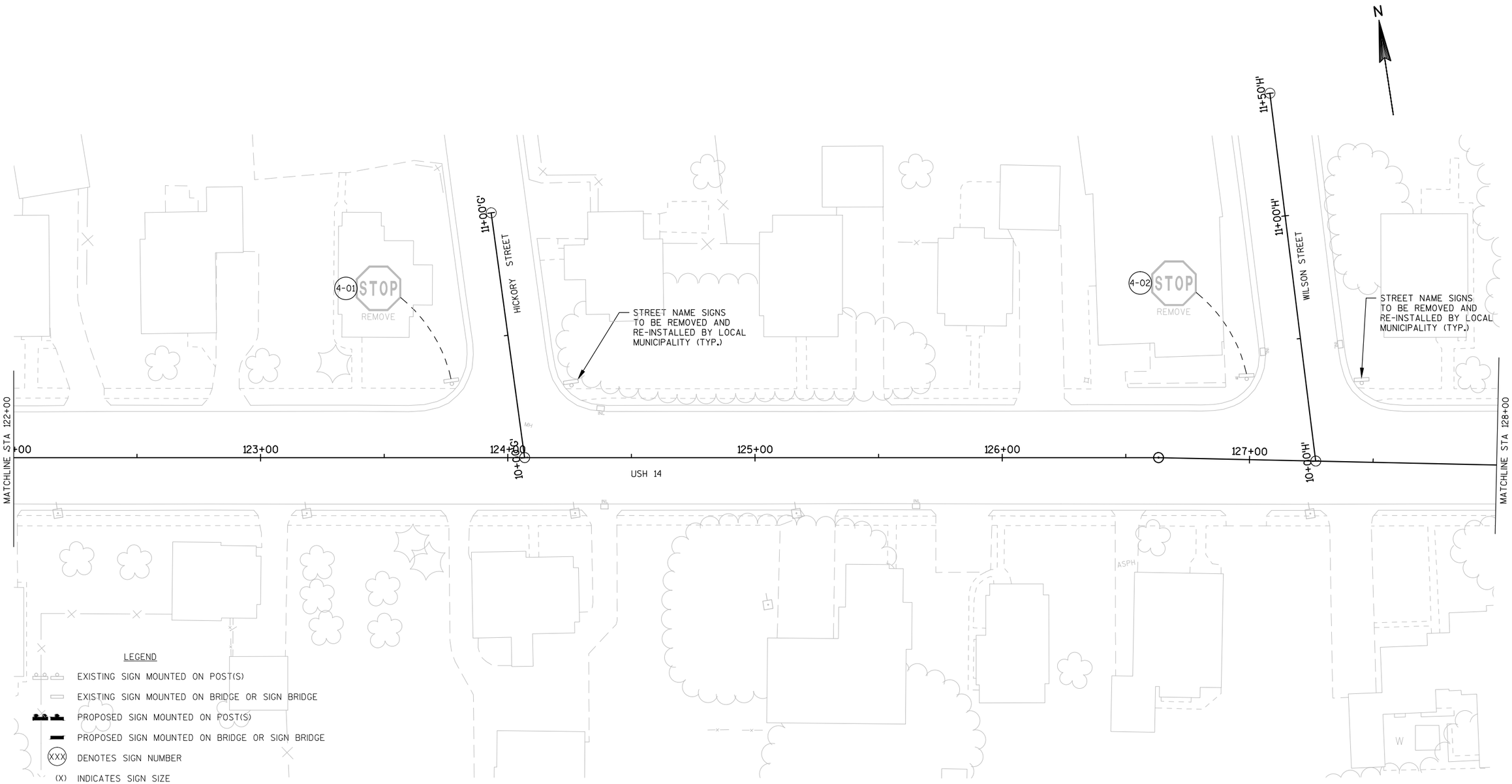
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PLOT DATE : 8/27/2014 3:08 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

2



PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	SIGNING REMOVALS	SHEET 118	E

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 119	E

2

N

5-03 14 REMOVE

5-04 SPEED LIMIT 30 REMOVE

5-05 STOP REMOVE

5-06 STOP REMOVE

5-01 SPEED LIMIT 30 REMOVE

5-02 NO PARKING REMOVE

11+50"L"

11+00"L"

10+00"L"

MILL STREET

AMERICAN LEGION DRIVE

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

STA 128+00

MATCH LINE

129+00

130+00

131+00

132+00

133+00

STA 134+00

USH 14

MH

INL

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 120	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023201_PS-REMOVALS.DWG PLOT DATE : 8/27/2014 3:08 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

2

STA 134+00

135+00

136+00

137+00

138+00

139+00

STA 140+00

CAESAR STREET

JOVINA STREET

11+50'K'

11+00'K'

11+60'L'

11+00'L'

10+50'L'

USH 14

MATCH LINE

MATCH LINE

6-01 LIBRARY REMOVE

6-02 REMOVE

6-03 2 HOUR PARKING ANYTIME REMOVE

6-04 REMOVE

6-05 STOP REMOVE

6-06 JCT REMOVE COUNTY P REMOVE

6-07 RESERVED PARKING REMOVE

6-08 REMOVE

6-09 REMOVE

6-10 REMOVE

6-11

6-12

6-13

6-14

6-15 STOP REMOVE

6-16 STOP REMOVE

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

CANOPY

CANOPY

W

MH

INL

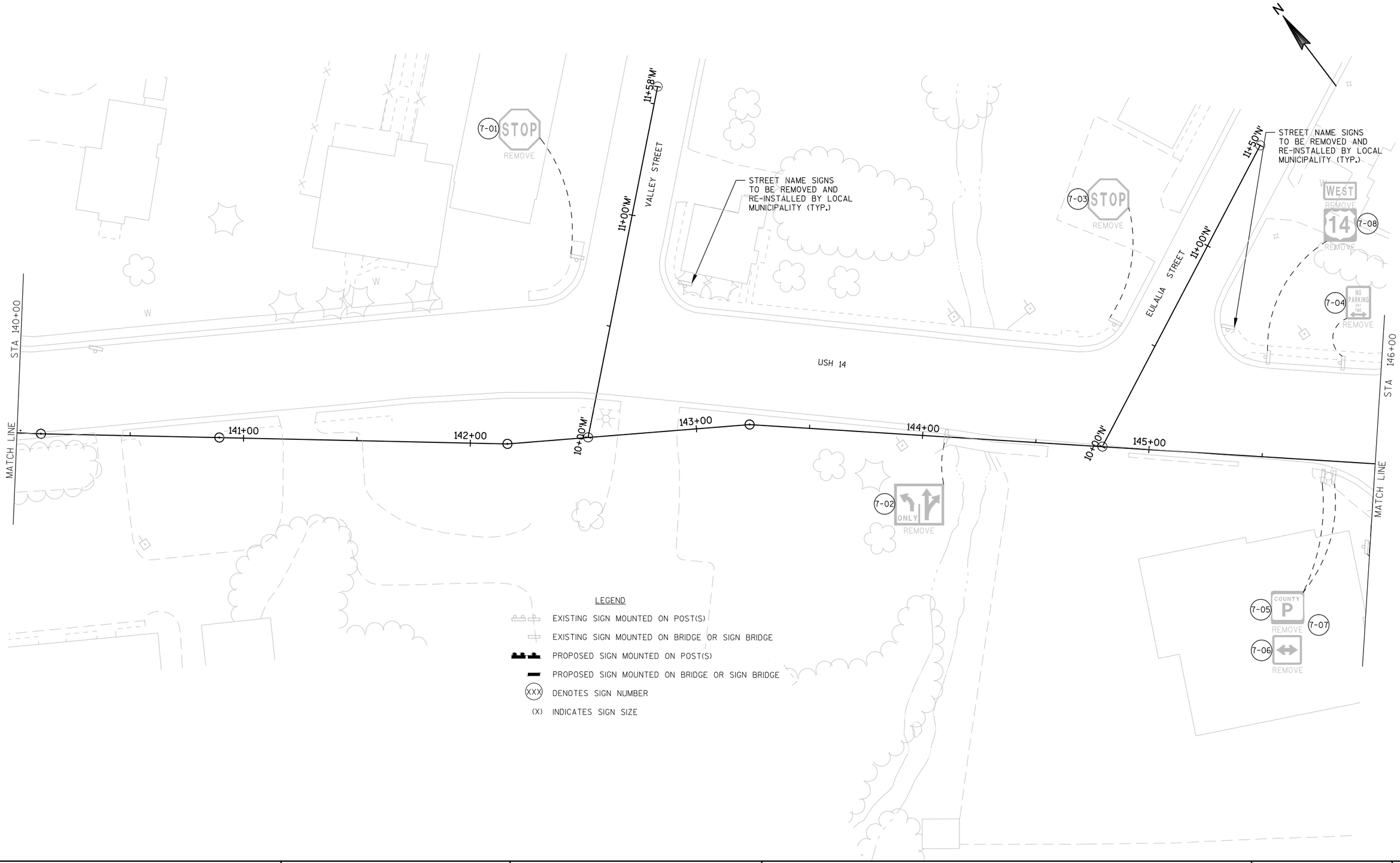
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 121	E

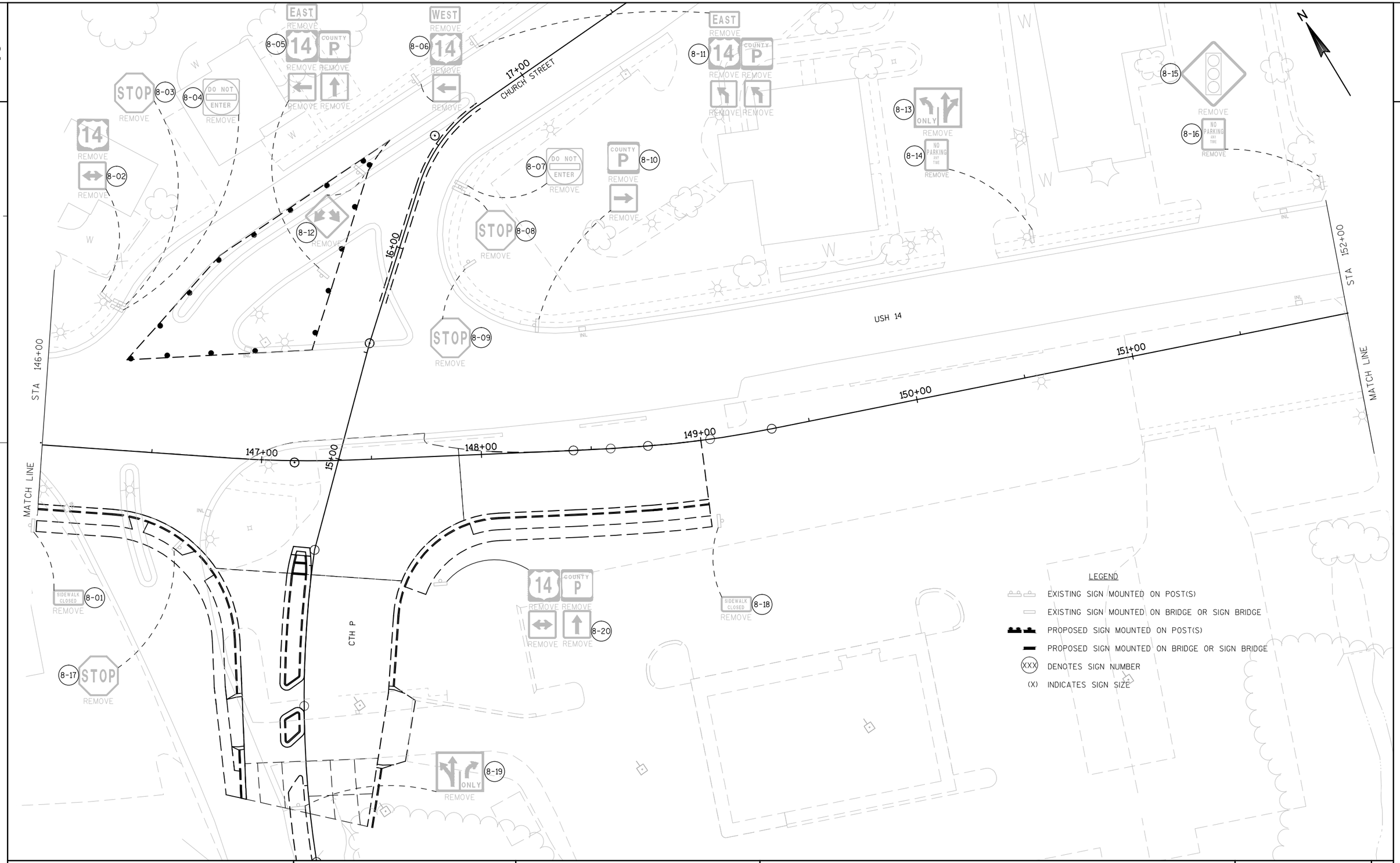
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2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 122	E

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 123	E

2

2

N

9-01 SPEED LIMIT 30 REMOVE

9-03 NO PARKING ANY TIME REMOVE

9-04 STOP REMOVE

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

9-05 JCT REMOVE

COUNTY P REMOVE

9-06 NO PARKING ANY TIME REMOVE

9-09 SPEED LIMIT 30 REMOVE

9-10 NO PARKING ANY TIME REMOVE

9-12 NO PARKING ANY TIME REMOVE

GLACIERS EDGE SQUARE

USH 14

STA 152+00

STA 158+00

MATCH LINE

MATCH LINE

11+50'0'

11+00'0'

10+00'0'

9+36'6'

153+00

154+00

155+00

156+00

157+00

9-02 SPEED LIMIT 30 REMOVE

9-08 SPEED LIMIT 45 REMOVE

9-07 REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 124	E

2

2

BREWERY ROAD

CEMETERY

N

10-01 STOP
REMOVE

10-02 SPEED LIMIT 30
REMOVE

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

STA 158+00

159+00

10+00 IR

11+00 IR

161+00

162+00

STA 163+00

USH 14

MATCH LINE

MATCH LINE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 125	E

2

2

N

STA 163+00

MATCH LINE

164+00

165+00

166+00

167+00

168+00

STA 169+00

MATCH LINE

11+00'S'

10+00'S'

WESTVIEW COURT

USH 14

SPEED LIMIT 45 (11-01) REMOVE

STOP (11-03) REMOVE

EAST 14 (11-02) REMOVE

SPEED LIMIT 55 (11-04) REMOVE

SPEED LIMIT 45 (11-05) REMOVE

EXCEPT FOR SHIELDS (11-06) REMOVE

TRUCK ROUTES HAVE YELLOW SIGN POSTS (11-07) REMOVE

STREET NAME SIGNS TO BE REMOVED AND RE-INSTALLED BY LOCAL MUNICIPALITY (TYP.)

SIGNS TO BE MOVED AND PUT BACK AT ORIGINAL LOCATION

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 126	E

2

N

CROSS PLAINS
POPULATION 3538
REMOVE
12-02

STA 169+00

170+00 171+00 172+00 173+00 173+50

USH 14

MATCH LINE

END PROJECT 5310-02-70
STA 172+00.00

MADISON 14
REMOVE
12-01

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 127	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023201_PS-REMOVALS.DWG
PLOT DATE : 8/27/2014 3:09 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5310-02-74/5657-00-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET 128	E

2

2

WSOR

N

SIGNS 14-01 THRU 14-04 TO BE MOVED AND STORED WHEN TEMPORARY SIGNALS ARE IN USE. REINSTALL AFTER SIGNALS ARE REMOVED.

14-01 STOP REMOVE

14-02

14-03 STOP REMOVE "LED"

90+00'0'

BOURBON ROAD

95+00'0'

100+00'0'

14-04 STOP REMOVE "LED"

HILLEBRAND DRIVE

CONTINENTAL LANE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-74/5657-00-70	HWY: USH 14	COUNTY: DANE	SIGNING REMOVALS	SHEET	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023204_PS-BURBON-REMOVING.DWG PLOT DATE : 8/27/2014 3:09 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

2

N

MARKET STREET

1-01 COUNTY KP 14
J12-2
48"X45"

1-02 COUNTY KP
J13-1
24"X45"

1-03 ONLY
R3-8A
36"X30"

1-04 SPEED LIMIT 30
R2-1
24"X30"

1-05 STOP
R1-1
30"X30"

11+00'B'

WATER STREET

10+00'B'

1-06
R4-7
24"X30"

1-07 NO PARKING ANY TIME
R7-1D
18"X24"

1-08
R4-7
24"X30"

1-10
1-09 END CENTER LANE ONLY
R3-9D
24"X6"
R3-9B
24"X36"

104+49

105+00

106+00

107+00

108+00

109+00

BEGIN PROJECT
STA 104+78.19

USH 14

MWEL

STA 110+00

MATCH LINE

1-11 EAST 14
J4-1
24"X36"

1-12 SPEED LIMIT 30
R2-1
24"X30"

1-13 NO PARKING ANY TIME
R7-1L
18"X24"

1-14 ONE WAY
R6-2R
24"X30"

1-16 BEGIN CENTER LANE
1-16 ONLY
R3-9C
24"X6"
R3-9B
24"X36"

CTH KP

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 130	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023202_PS-NEW.DWG PLOT DATE : 8/28/2014 7:59 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:40_XREF

2

N

2-01 JCT COUNTY KP
J1-1
24"X39"

2-02 STOP
R1-1
30"X30"

11+00'C'
CENTER STREET

2-03 NO PARKING ANY TIME
MOUNTED ON LIGHT POST
R7-1D
18"X24"

2-04 SPEED LIMIT 30
R2-1
24"X30"

2-05 CENTER LANE ONLY
R3-9B
24"X36"

2-06 STOP
R1-1
30"X30"

11+00'D'
SPRING STREET

STA 110+00

111+00

10+00'C'

112+00

113+00
USH 14

114+00

10+00'D'

115+00

STA 116+00

MATCH LINE

MATCH LINE

2-07 NO PARKING ANY TIME
MOUNTED ON LIGHT POST
R7-1D
18"X24"

2-08 CENTER LANE ONLY
R3-9B
24"X36"

2-09 SPEED LIMIT 30
R2-1
24"X30"

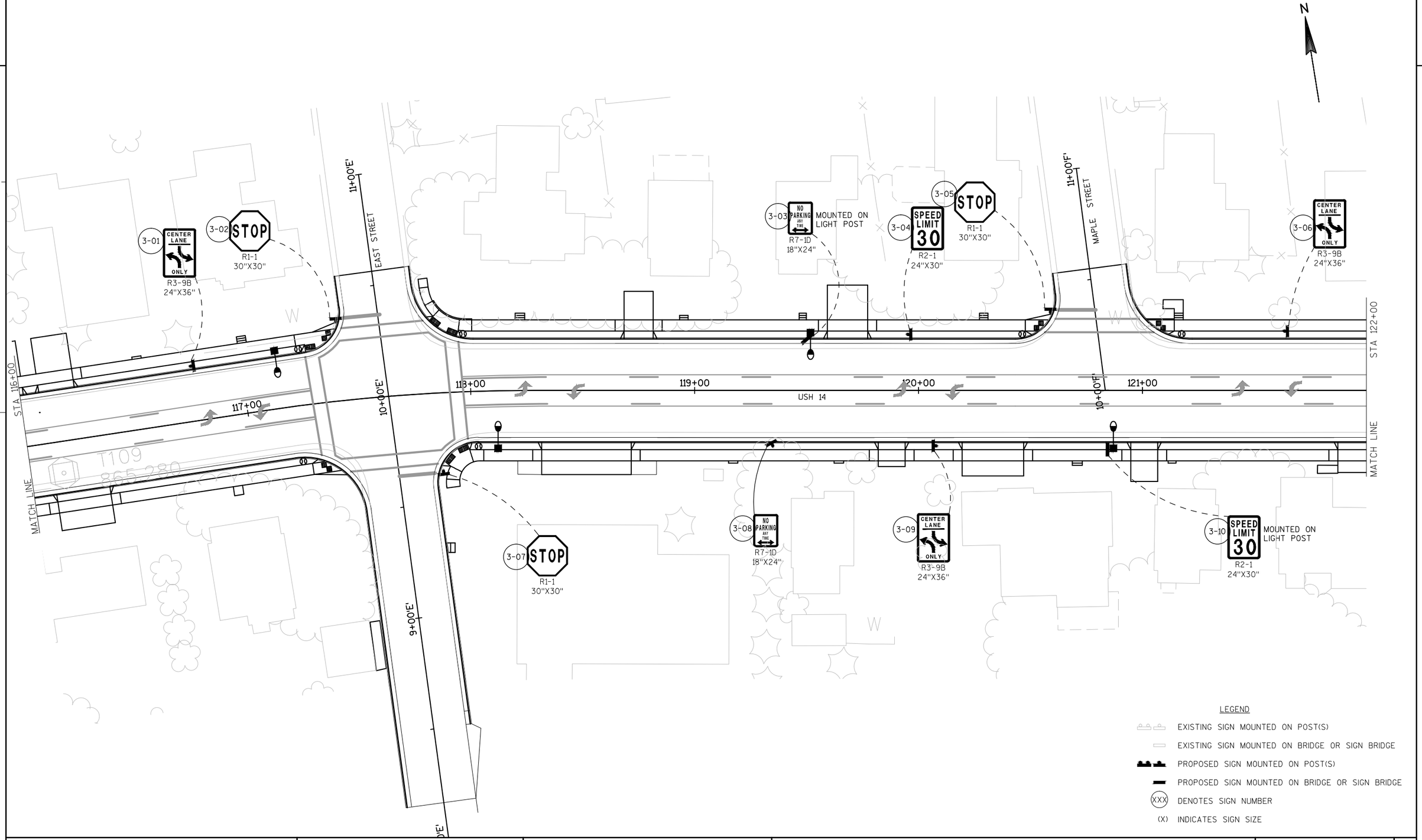
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 131	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023202_PS-NEW.DWG
PLOT DATE : 8/28/2014 7:59 AM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 132	E

2

N

4-01 NO PARKING ANY TIME — MOUNTED ON LIGHT POST
R7-1D
18"X24"

4-02 STOP
R1-1
30"X30"

11+00'G'
HICKORY STREET

4-04 BEGIN CENTER LANE — R3-9C 24"X6"
4-03 ONLY
R3-9B
24"X36"

4-05 NO PARKING ANY TIME
R7-1D
18"X24"

4-06 STOP
R1-1
30"X30"

11+50'H'
11+00'H'
WILSON STREET

MATCHLINE STA 122+00

123+00

124+00

10+00'G'

USH 14

125+00

126+00

127+00

10+00'H'

MATCHLINE STA 128+00

4-07 NO PARKING ANY TIME — MOUNTED ON LIGHT POST
R7-1D
18"X24"

4-09 END CENTER LANE — R3-9D 24"X6"
4-08 ONLY
R3-9B
24"X36"

ASPH

4-10 STOP
R1-1
30"X30"

LAGOON STREET

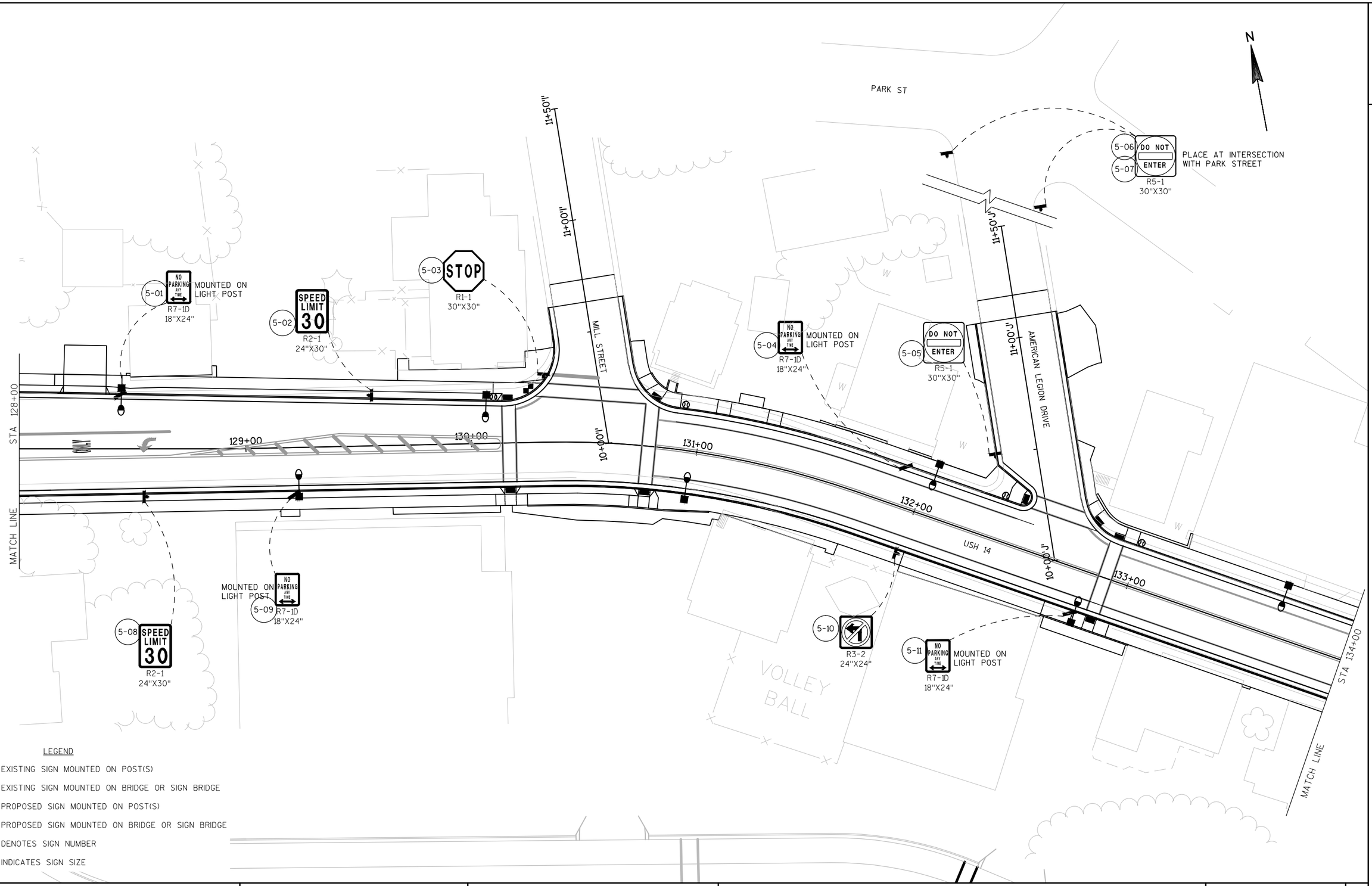
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 133 E

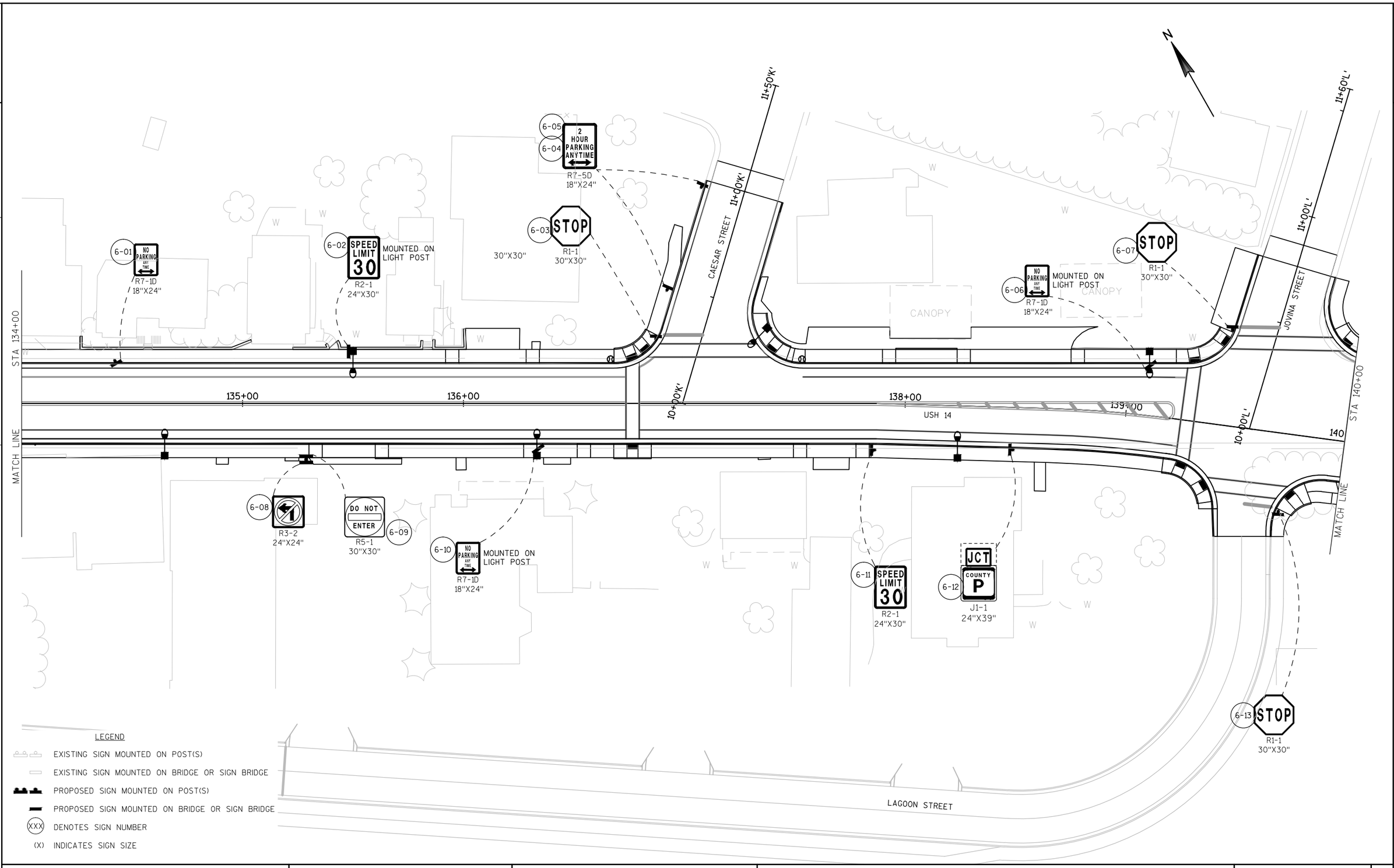
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023202_PS-NEW.DWG
PLOT DATE : 8/28/2014 7:59 AM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 42

2



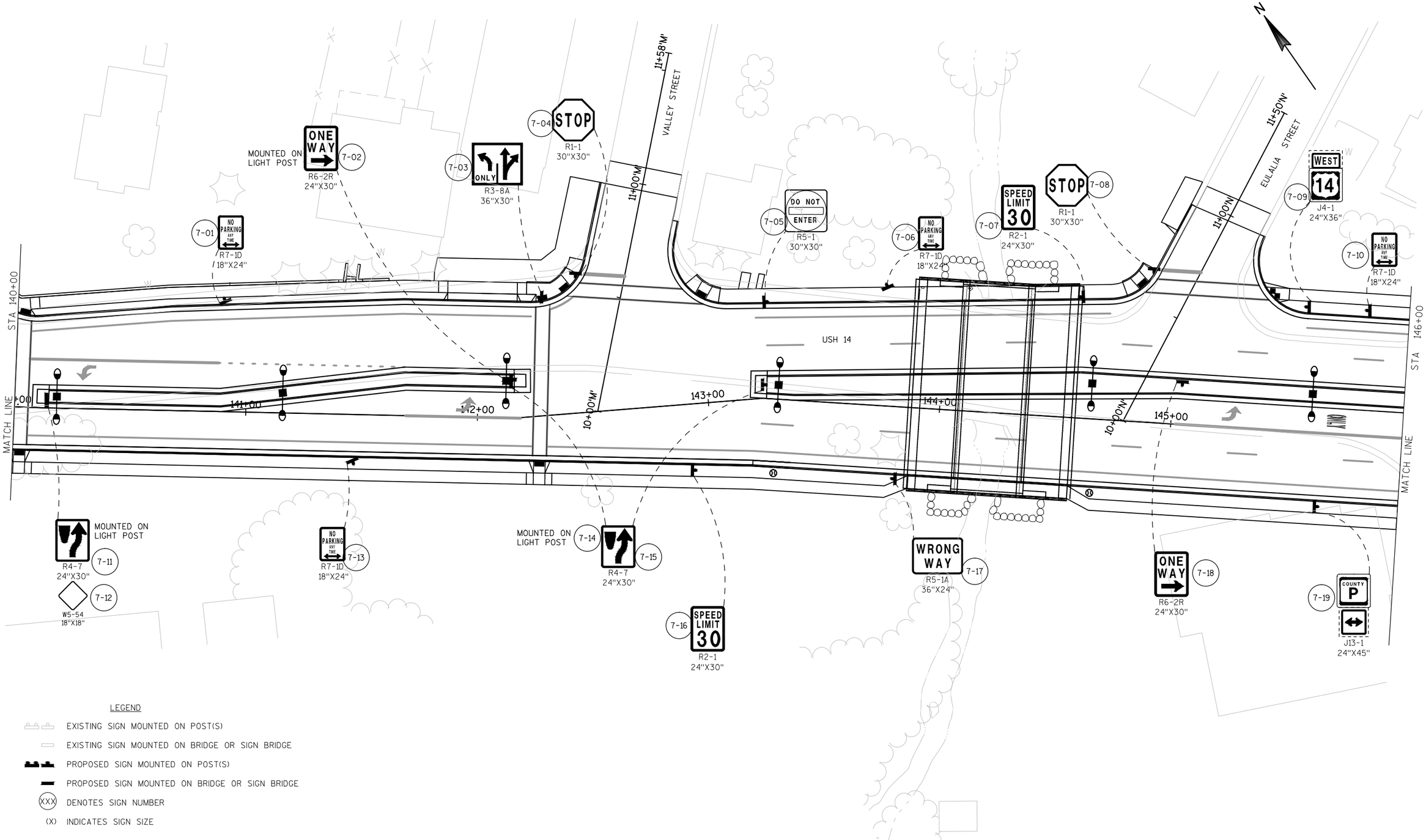
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 134	E

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 135	E

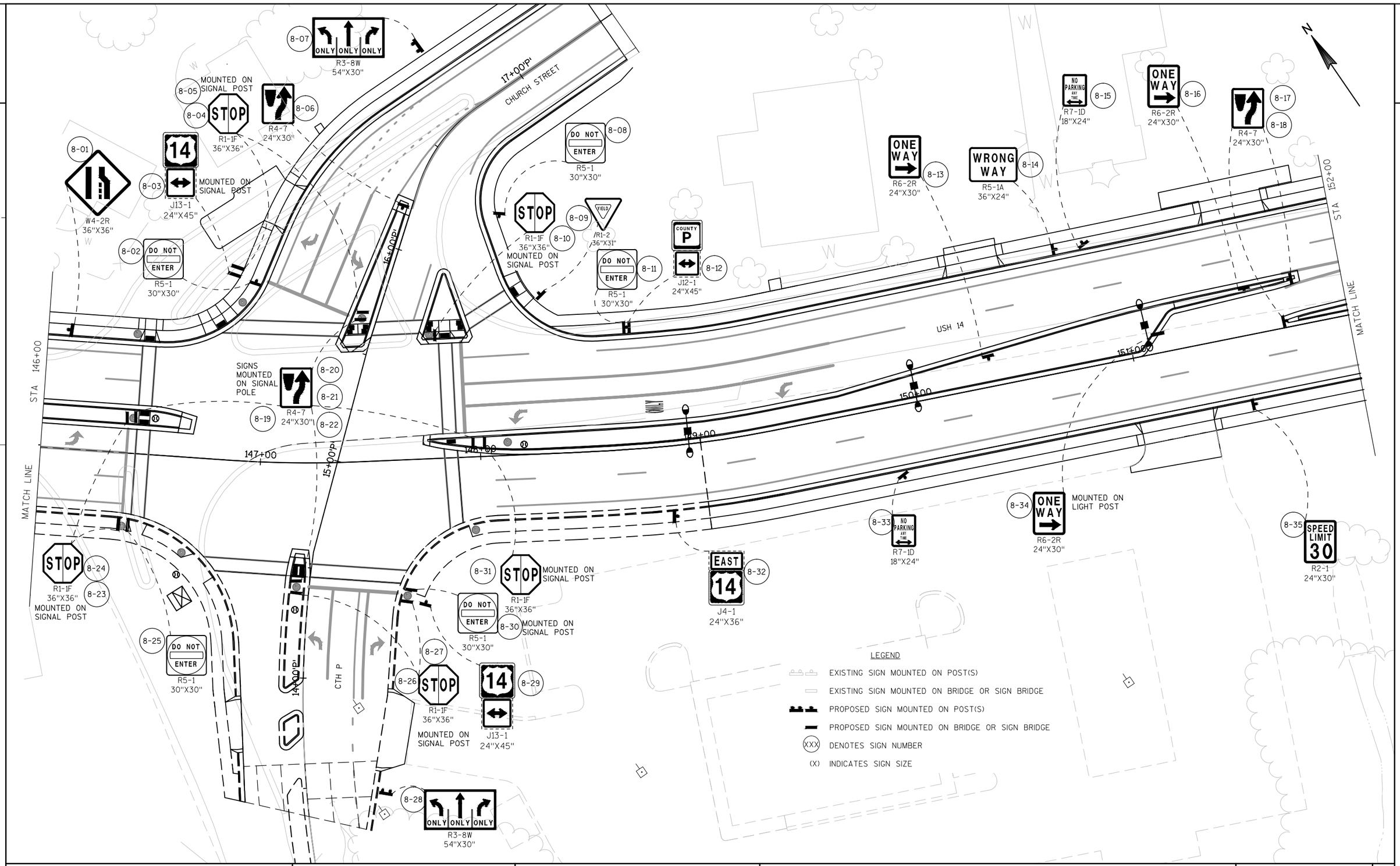
2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 136	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 137	E

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

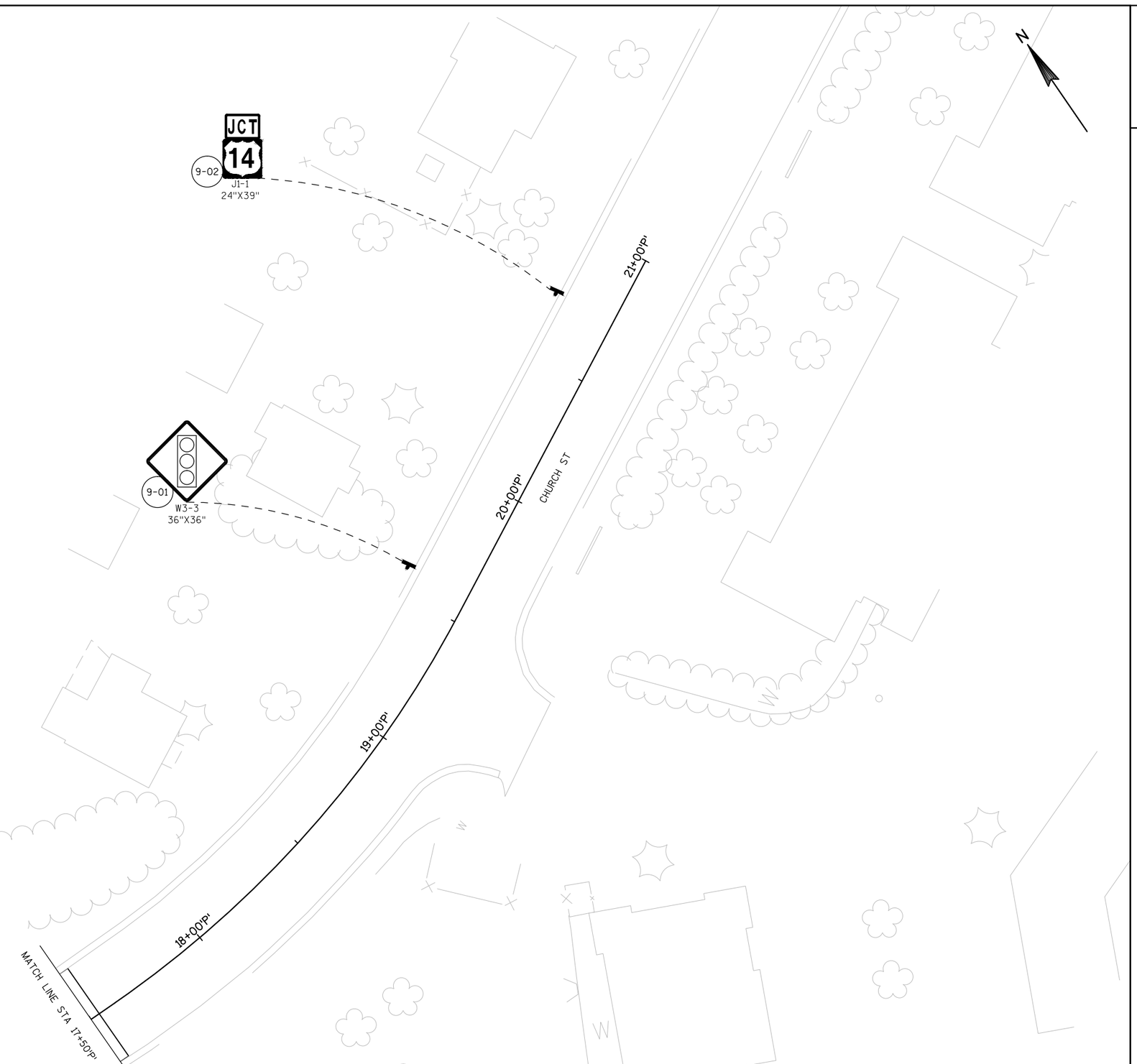
EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

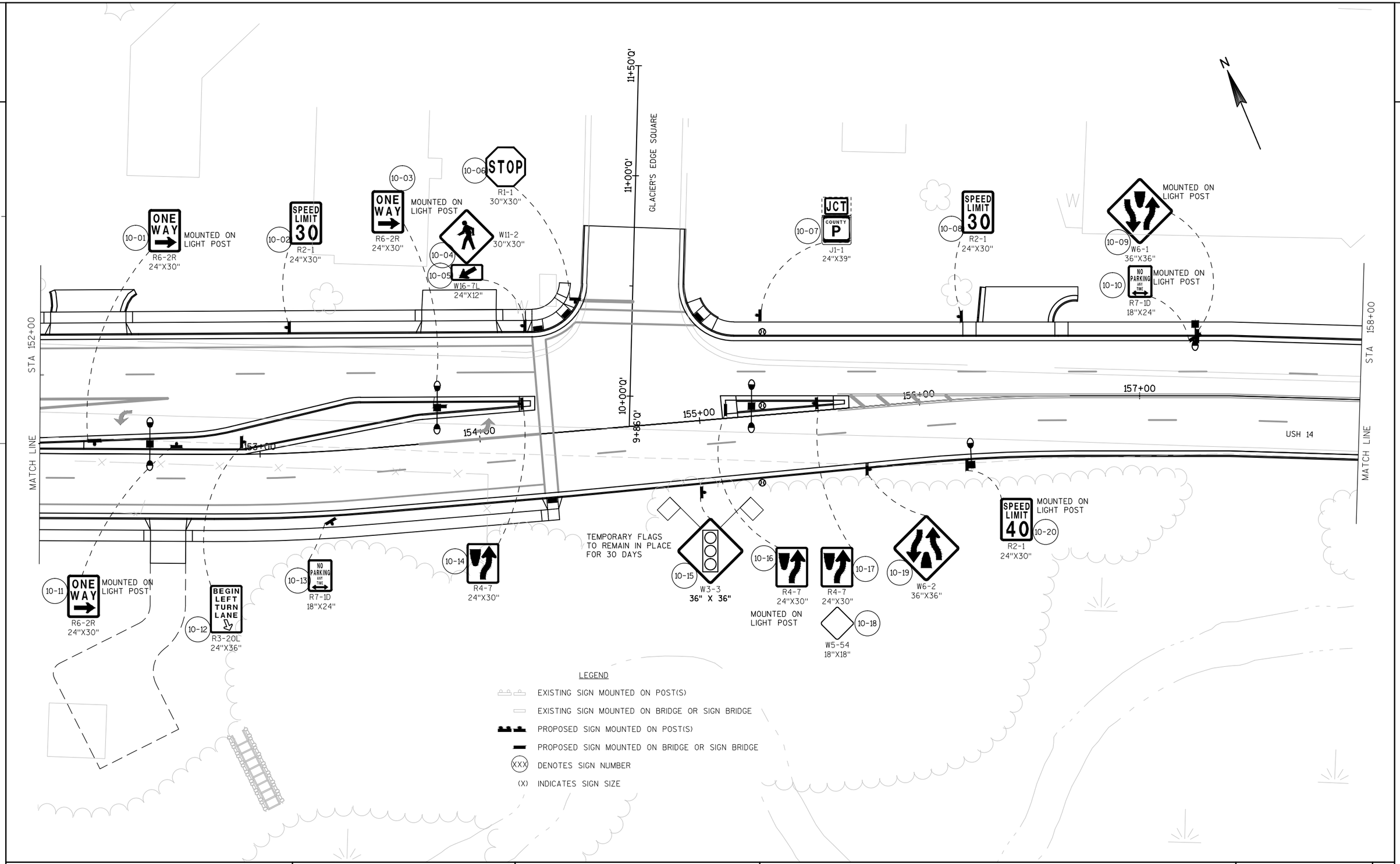
(X) INDICATES SIGN SIZE



2

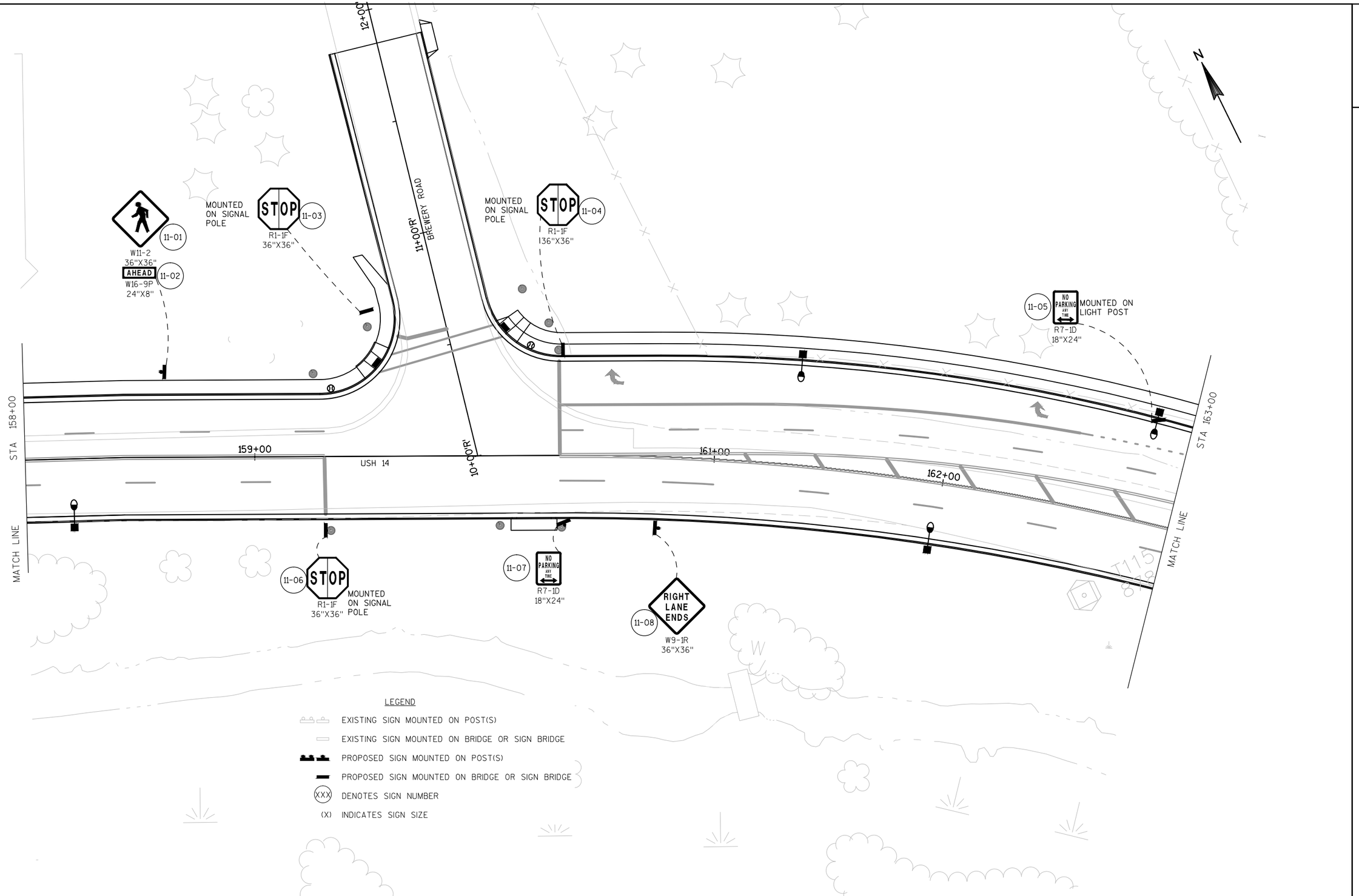
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 138	E

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 139	E

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 140	E

2

TEMPORARY FLAGS
TO REMAIN IN PLACE
FOR 30 DAYS

12-01
W3-3
36" X 36"

12-02 STOP
R1-1
30"X30"

WESTVIEW COURT

11+00'S'

10+00'S'

12-03
R4-7
24"X30"

12-04
R4-7
24"X30"

12-05
W5-54
18"X18"

STA 163+00

164+00

165+00

166+00

167+00

USH 14

168+00

STA 169+00

MATCH LINE

MATCH LINE

12-06
W4-2R
36"X36"
MOUNTED ON
LIGHT POLE

12-07
W6-3
36"X36"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET 141	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023202_PS-NEW.DWG
PLOT DATE : 8/28/2014 8:00 AM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF

2

N

13-01 CROSS PLAINS
POPULATION 3538
I2-3
84"X24"

13-02 SPEED LIMIT 40
R2-1
24"X30"

PLACE 500' FROM SIGN
13-02 ON SHOULDER
13-03 SPEED LIMIT 40
W3-5
36"X36"

END PROJECT
STA 172+00.00

STA 169+00

170+00

171+00

172+00

USH 14

MATCH LINE

PLACE 200' FROM SIGN
13-05 ON SHOULDER
13-06 MADISON 14
I2-2
72"X15"

13-04 EAST 14
J4-1
24"X36"

13-05 SPEED LIMIT 55
R2-1
24"X30"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	PERMANENT SIGNING	SHEET 142	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\023202_PS-NEW.DWG PLOT DATE : 8/28/2014 8:00 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:40_XREF

2



PROJECT NO:5310-02-70	HWY: USH 14	COUNTY:DANE	PERMANENT SIGNING	SHEET 143	E

STREET LIGHTING DESIGNED BY:

WISCONSIN
JOSEPH M. DEYOUNG
E-36146
MADISON
WI
PROFESSIONAL ENGINEER

9-22-14

N

MARKET STREET

WATER STREET

104+00

105+00

106+00

107+00

108+00

109+00

110+00

MATCH LINE STA. 110+00

LM-SB1 (1,3/6)
STA. 106+24.5, 25.0'LT.

HH-1
STA. 107+33.0, 24.0'LT.

HH-2
STA. 108+22.0, 24.0'LT.

LM-SB3 (1,3/6)
STA. 108+37.5, 24.8'LT.

LM-SB2 (5,7/6)
STA. 107+16.5, 27.6'RT.

LM-SB4 (5,7/6)
STA. 109+48.5, 24.8'RT.

MAIN STREET (USH 14)

KALSCHEUR IMPLEMENT COMPANY, INC.
1113 MAIN ST

STATE BANK OF CROSS PLAINS
1201 MAIN ST

CROSS PLAINS INVESTORS, LLC
1205 MAIN ST

KALSCHEUR IMPLEMENT COMPANY, INC.
1112 MAIN ST

SANDLEWOOD PROPERTIES, LLC
1114 MAIN ST

JPH PROPERTIES, LLC
1118 MAIN ST

JAMES AND JUDITH NONN LIVING TRUST
1200 MAIN ST

PATRICIA A. SCHROEDER
1206 MAIN ST

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

LM-XXX (X,X/X) — LUMINAIRE NUMBER; LIGHTING CIRCUIT/FESTOON CIRCUIT
STA. XXX+XX.XX, XX.X'RT. — LOCATION (TO CENTER OF BASE)

HH-XX — HANDHOLE NUMBER
STA. XXX+XX.XX, XX.X'RT. — LOCATION (TO CENTER OF HANDHOLE)

1 | 2" | 2 10 1,3 | 2 4 2 | 1 8 GRD — CONDUIT QUANTITY/SIZE; PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET 144	E

FILE NAME : P:\3500s\3530s\3535\03535006\CADD\Street Lighting Plans\Lighting_01.dgn PLOT DATE : 9/23/2014 PLOT BY : jdolens PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

Lighting_01.dgn 9/23/2014 6:05:24 AM jdolens

2

N

CENTER STREET

SPRING STREET

MAIN STREET (USH 14)

MATCH LINE STA. 110+00

MATCH LINE STA. 116+00

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

KEVIN J. ENGELIEN AND JENNIFER L. FOERSTER-ENGELIEN 1303 MAIN ST

ZANDER INSURANCE AGENCY, INC. 1307 MAIN ST

JOSEPH M. PARRELL AND DONNA M. PARRELL 1311 MAIN ST

RAYMOND M. BUECHNER AND TERESA L. BUECHNER 1315 MAIN ST

JOHN BURANDT AND TRACY BURANDT 1401 MAIN ST

WILLIAM A. CRUZEN AND CHRISTINA L. CRUZEN 1405 MAIN ST

JOH-MAY ENTERPRISES, LLC 1300 MAIN ST

JOH-MAY ENTERPRISES, LLC 1306 MAIN ST

Z BOWS PROPERTIES, LLC 1310 MAIN ST

AMACHER PROPERTIES, LLP 1312 MAIN ST 1314 MAIN ST

MICHAEL K. CUNNINGHAM AND HEIDI M. CUNNINGHAM 1404 MAIN ST

CHRISTOPHER L. LEWIS AND CATHERINE M. LEWIS 1408 MAIN ST

LM-SB5 (1,3/6)
STA. 110+39.5, 24.8' LT.

HH-3
STA. 110+69.0, 24.0' LT.

HH-4
STA. 111+46.5, 24.0' LT.

LM-SB7 (1,3)
STA. 112+50.0, 24.8' LT.

HH-5
STA. 114+7.0, 24.0' LT.

HH-6
STA. 114+74.0, 24.0' LT.

LM-SB9 (1,3)
STA. 114+82.0, 24.8' LT.

LM-SB6 (5,7/6)
STA. 111+59.5, 26.8' RT.

LM-SB8 (5,7)
STA. 113+67.0, 26.8' RT.

LM-SB10 (5,7)
STA. 115+96.0, 26.8' RT.

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

LUMINAIRE NUMBER
LIGHTING CIRCUIT/FESTOON CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF BASE)

HANDHOLE NUMBER
HH-XX
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET 145	E

2

N

RICHARD C. SCHUCHARDT 1411 MAIN ST

PAUL K. WELLNER AND KRISTINE L. WELLNER 1415 MAIN ST

DAVID B. RUSSELL AND SARA S. RUSSELL 1501 MAIN ST

KEVIN ZANDER 1509 MAIN ST

CAROLYN GARFOOT 1513 MAIN ST

GLEN K. MEISTER AND DEBRA MEISTER 1519 MAIN ST

SHEILA J. CONNOLLY-LEDERER 1603 MAIN ST

ARDYC WEICHE 1609 MA

MELVIN J. RICHGELS AND LEORA A. RICHGELS 1414 MAIN ST

SOLAR EXPRESSIONS, LLC 1500 MAIN ST

C. BALLWEG 1504 MAIN ST

MIDTOWN CONSTRUCTION INC. 1502 MAIN ST

J. SCHUCHARDT 1516 MAIN ST

FOXVILLE APARTMENTS, LLC 1522 MAIN ST

JOHN E. FOYE AND ELIZABOTH A. FOYE 1602 MAIN ST

CARL N. LOCHNER AND DARLENE S. LOCHNER LIVING TRUST 1606 MAIN ST

EAST STREET

MAPLE STREET

MAIN STREET (USH 14)

MATCH LINE STA. 116+00

MATCH LINE STA. 122+00

HH-7
STA. 117+25.5, 24.0' LT.

LM-SB11 (1,3)
STA. 117+15.5, 24.8' LT.

HH-9
STA. 117+97.5, 24.5' LT.

LM-SB13 (1,3)
STA. 119+52.0, 24.3' LT.

HH-11
STA. 120+46.0, 23.5' LT.

HH-12
STA. 121+17.5, 23.7' LT.

HH-8
STA. 117+21.0, 26.0' RT.

LM-SB12 (5,7)
STA. 118+11.5, 27.1' RT.

HH-10
STA. 118+2.5, 26.0' RT.

LM-SB14 (5,7)
STA. 120+87.0, 27.3' RT.

116+00 117+00 118+00 119+00 120+00 121+00 122

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

LUMINAIRE NUMBER
LIGHTING CIRCUIT/FESTOON CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF BASE)

HANDHOLE NUMBER
HH-XX
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 | 2" | 2 | 10 | 2 | 4 | 1 | 8 | GRD | 1,3 | 2

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Lighting_03.dgn 9/23/2014 6:40:16 AM jdolens

2

N

MATCH LINE STA. 122+00

MATCH LINE STA. 128+00

SANDRA M. FAUST AND WAYNE L. E. M. ROD IN ST

WAYNE R. ESSER 1621 MAIN ST

HICKORY STREET

ERIC A. ODGERS AND MARAH M. ODGERS 1703 MAIN ST

RYAN R. SINGH AND AMY S. SINGH 1709 MAIN ST

THOMAS D. WANKERL AND JENNIFER E. WANKERL 1715 MAIN ST

THE LANES ENTERPRISES, LLC 1721 MAIN ST

WILSON STREET

NEIL R. WIPPERFURTH 1803 MAIN ST

JOHN YRIOS 1700 MAIN ST

JOHN YRIOS 1708 MAIN ST

LEIF K. HANSEN AND REBEKAH R. HANSEN 1712 MAIN ST

KEVIN T. SAILING AND CAROLYN A. SAILING 1718 MAIN

JAMES L. SCHMITT AND ESTER G. SCHMITT 1724 MAIN ST

MAIN STREET (USH 14)

LM-SB15 (1,3)
STA. 122+12.5, 24.3' LT.

HH-13
STA. 123+69.5, 23.7' LT.

LM-SB16 (5,7)
STA. 123+53.0, 27.3' RT.

HH-14
STA. 124+40.5, 23.7' LT.

LM-SB17 (1,3)
STA. 124+84.5, 24.3' LT.

LM-SB18 (5,7)
STA. 126+4.5, 27.1' RT.

LM-SB19 (1,3/6)
STA. 126+90.5, 31.5' LT.

HH-15
STA. 126+82.0, 24.6' LT.

HH-16
STA. 126+91.0, 24.8' RT.

LCC-1
STA. 127+46.6, 35.8' RT.

HH-18
STA. 127+66.5, 23.3' RT.

HH-17
STA. 127+65.0, 27.5' LT.

LM-SC1 (5,7/4)
STA. 127+70.5, 24.0' RT.

122+00 123+00 124+00 125+00 126+00 127+00 128+00

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

LUMINAIRE NUMBER — LIGHTING CIRCUIT/FESTOON CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT. — LOCATION (TO CENTER OF BASE)

HANDHOLE NUMBER
HH-XX
STA. XXX+XX.XX, XX.X' RT. — LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

N

MILL STREET

AMERICAN LEGION DRIVE

MAIN STREET (USH 14)

MATCH LINE STA. 128+00

MATCH LINE STA. 134+00

LM-SC2 (1,3/2)
STA. 128+45.0, 26.8' LT.

HH-19
STA. 130+10.0, 20.5' LT.

LM-SC4 (9,11/2)
STA. 130+7.0, 21.5' LT.

LM-SC3 (5,7/4)
STA. 129+23.0, 21.8' RT.

LM-SC5 (13,15/4)
STA. 130+97.5, 21.5' RT.

HH-20
STA. 130+92.5, 20.0' LT.

LM-SC6 (9,11/2)
STA. 132+4.0, 23.6' LT.

HH-21
STA. 132+36.0, 20.0' LT.

HH-22
STA. 133+00.0, 20.0' LT.

LM-SC8 (9,11/2)
STA. 133+67.5, 23.6' LT.

LM-SC7 (13,15/4)
STA. 132+82.0, 23.6' RT.

1821 MAIN STREET, LLC
1821 MAIN ST

KIMBERLY M. MAAHS
1809 MAIN ST

JOYCE BLAIR
1903 MAIN ST

CATHERINE R. BOLDEN AND ERIC A. BOLDEN
1909 MAIN ST

KEITH AND JAMES FEELY
2100 MAIN ST

MICHAEL W. SCHUTZ AND BARBARA J. SCHUTZ AND RON BRUNNER
2009 MAIN ST

MAIN STREET CENTER, LLC
1812 MAIN ST

1816 (LAGOON ST)

KURT SCHLICHT
1902 MAIN ST

KEMK, LLC
1904 MAIN ST

CROSS-PLAINS PHARMACY
1910 MAIN ST

BRAD HOLDINGS, LLC
2004 MAIN ST

VOLLEY BALL

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

LUMINAIRE NUMBER
LIGHTING CIRCUIT/FESTOON CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF BASE)

HANDHOLE NUMBER
HH-XX
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF HANDHOLE)

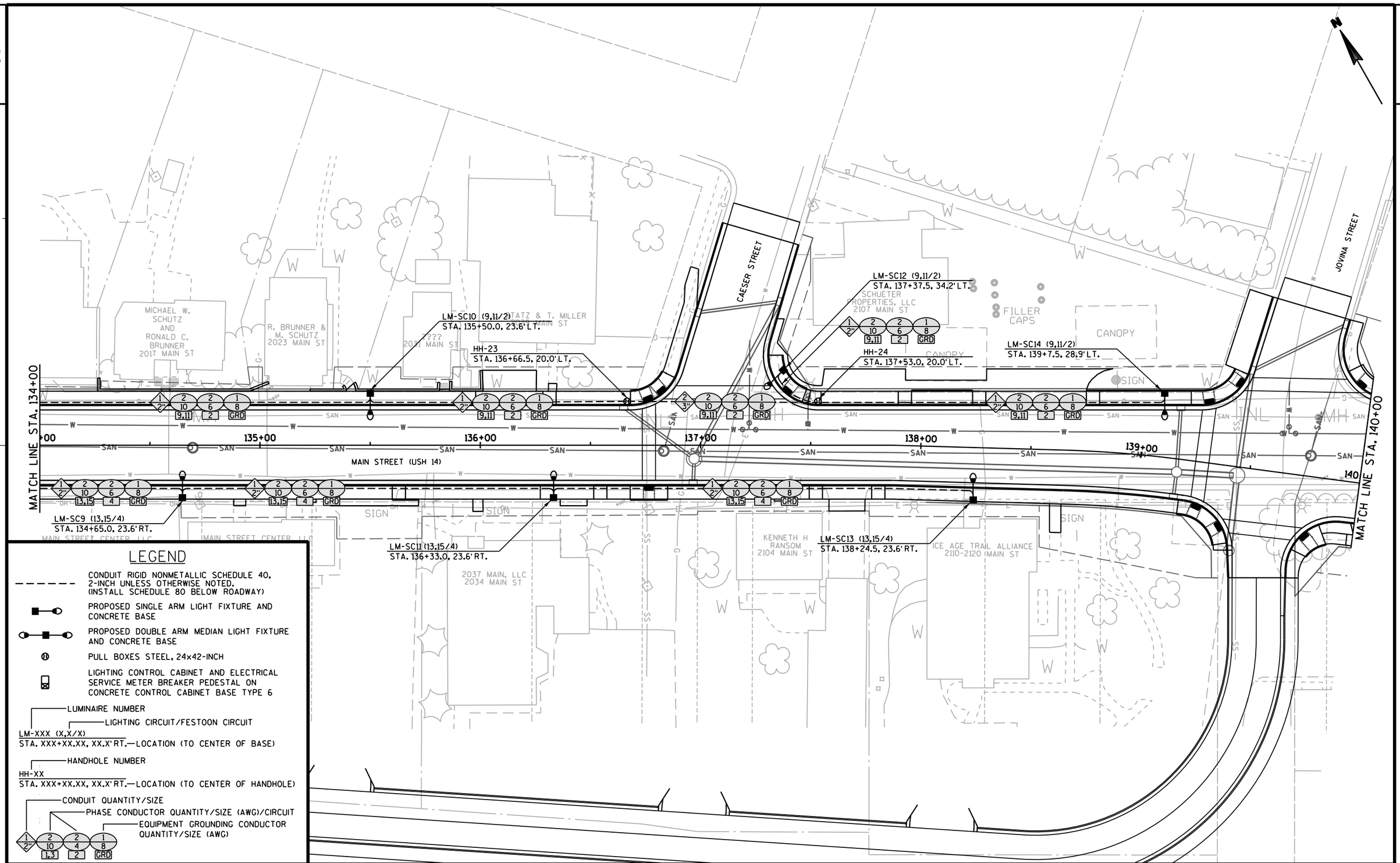
CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

LM-XXX (X,X/X) — LUMINAIRE NUMBER; LIGHTING CIRCUIT/FESTOON CIRCUIT
STA. XXX+XX.XX, XX.X' RT. — LOCATION (TO CENTER OF BASE)

HH-XX — HANDHOLE NUMBER
STA. XXX+XX.XX, XX.X' RT. — LOCATION (TO CENTER OF HANDHOLE)

1 2" | 2 10 | 2 4 | 1 8 | 1,3 | 2 | GRD
CONDUIT QUANTITY/SIZE; PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT; EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

2

MATCH LINE STA. 140+00

MATCH LINE STA. 146+00

VALLEY STREET

EULALIA STREET

MAIN STREET (USH 14)

WEAVER-GRUBER PARTNERSHIP
2223 MAIN ST

RUSSELL A. DOMMERSHAUSEN
2205 MAIN ST

M. BROSAMLE
2215 MAIN ST

JAY D MORETTI
2305 MAIN ST

WAGNER
2201 EULALIA ST

M. ACKER
2304 MAIN ST

MARK MIELKE
2202-2208 MAIN ST

MARK MIELKE
2210-2208 MAIN ST

MARK C AND BETTY ANDREAS MIELKE
2222 MAIN ST

PAUL L. KALSCHEUR AND PATRICIA C. KALSCHEUR - TRUSTEES OF THE - PAUL AND PATRICIA

LM-DA1 (1,3-N/5,7-S/2)
STA. 140+18.5, 5.0' LT.

LM-DA2 (1,3-N/5,7-S/2)
STA. 141+16.0, 8.7' LT.

LM-DA3 (1,3-N/5,7-S/2)
STA. 142+12.0, 16.0' LT.

LM-DA4 (1,3-N/5,7-S/2)
STA. 143+30.0, 6.2' LT.

LM-DA5 (1,3-N/5,7-S/2)
STA. 144+65.0, 15.3' LT.

LM-DA6 (1,3-N/5,7-S/2)
STA. 145+60.5, 16.7' LT.

HH-36
STA. 143+30.0, 32.0' RT.

HH-37
STA. 144+67.0, 32.0' RT.

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

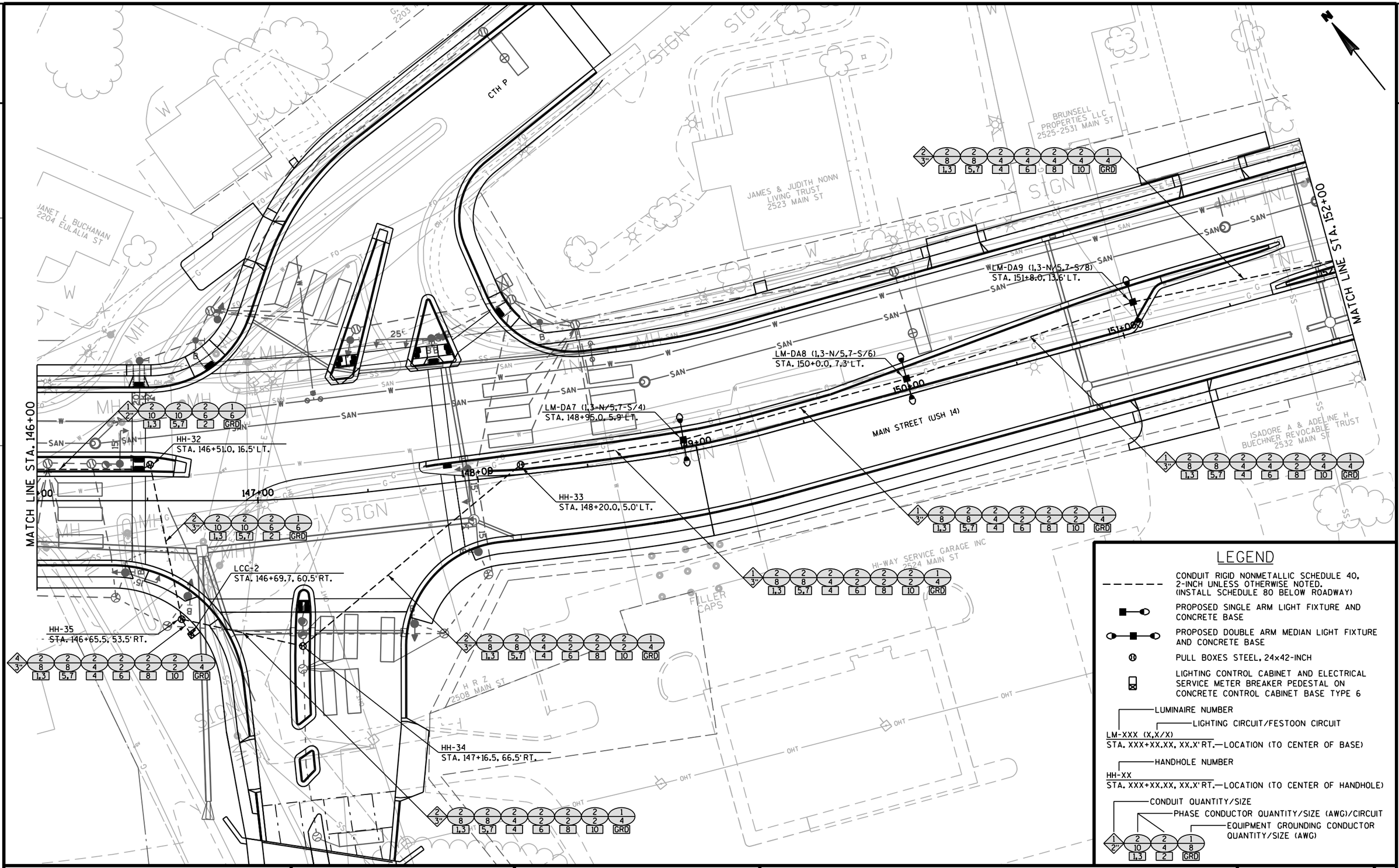
LM-XXX (X,X/X) — LUMINAIRE NUMBER; LIGHTING CIRCUIT/FESTOON CIRCUIT
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF BASE)

HH-XX — HANDHOLE NUMBER
STA. XXX+XX.XX, XX.X' RT.—LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET 150	E

2



LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
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- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

LUMINAIRE NUMBER
LIGHTING CIRCUIT/FESTOON CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X'RT.—LOCATION (TO CENTER OF BASE)

HANDHOLE NUMBER
HH-XX
STA. XXX+XX.XX, XX.X'RT.—LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET 151	E

2

STATE BANK OF CROSS PLAINS
2535 MAIN ST

JUDITH A SONNEMANN
2543 MAIN ST

THE HAIR CHAMBER
CHARYL M ZANDER
2563 MAIN ST

JAMES P DOWD &
ANNETTE C DOWD
2575 MAIN ST

MAIN STREET (USH 14)

MATCH LINE STA. 152+00

MATCH LINE STA. 158+00

LM-DA10 (1,3-N/5,7-S/10)
STA. 152+50.0, 4.6'LT.

LM-DA11 (1,3-N/5,7-S/4)
STA. 153+82.0, 15.9'LT.

LM-DA12 (1,3-N/5,7-S/6)
STA. 155+24.0, 4.5'LT.

HH-25
STA. 155+31.7, 37.6'LT.

HH-26
STA. 155+29.0, 4.4'LT.

HH-27
STA. 155+26.0, 30.5'RT.

LM-SA1 (5,7/8)
STA. 156+22.0, 30.0'RT.

LM-SA2 (1,3/4)
STA. 157+25.0, 32.6'LT.

152+00 153+00 154+00 155+00 156+00 157+00 158

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
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LM-XXX (X,X/X) — LUMINAIRE NUMBER; LIGHTING CIRCUIT/FESTOON CIRCUIT
STA. XXX+XX.XX, XX.X'RT.—LOCATION (TO CENTER OF BASE)

HH-XX — HANDHOLE NUMBER
STA. XXX+XX.XX, XX.X'RT.—LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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2

CEMETERY

BREWERY ROAD

I SIGN

MAIN STREET (USH 14)

MATCH LINE STA. 158+00

MATCH LINE STA. 164+00

158+00

159+00

160+00

161+00

162+00

163+00

164

HH-28
STA. 159+33.0, 29.5'LT.

HH-29
STA. 160+20.3, 48.0'LT.

LM-SA4 (1,3)
STA. 161+34.5, 48.3'LT.

LM-SA6 (1,3)
STA. 162+85.0, 48.0'LT.

LM-SA3 (5,7/10)
STA. 158+21.0, 29.8'RT.

LM-SA5 (5,7)
STA. 161+97.5, 29.8'RT.

LM-SA7 (5,7)
STA. 163+58.0, 29.8'RT.

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE
- PROPOSED DOUBLE ARM MEDIAN LIGHT FIXTURE AND CONCRETE BASE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE TYPE 6

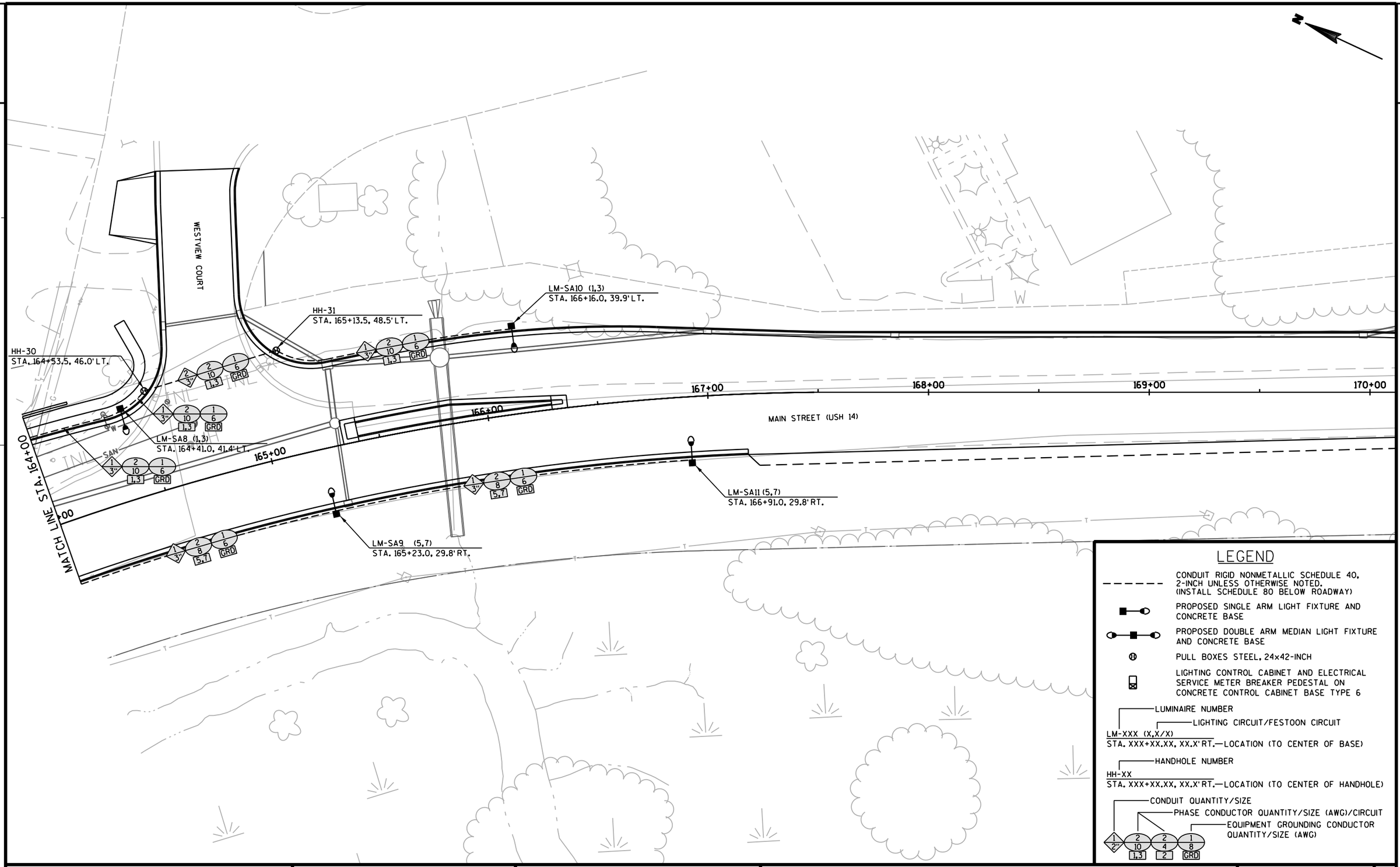
LUMINAIRE NUMBER
LIGHTING CIRCUIT/FESTOON CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X'RT.—LOCATION (TO CENTER OF BASE)

HANDHOLE NUMBER
HH-XX
STA. XXX+XX.XX, XX.X'RT.—LOCATION (TO CENTER OF HANDHOLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET 153	E

2



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING PLAN	SHEET 154	E

2

GENERAL PROJECT NOTES:

A. ALLIANT ENERGY SHALL PROVIDE AND INSTALL ALL POLES, WIRING, LIGHTING CONTROL CABINETS, ELECTRICAL SERVICES AND REQUIRED ELECTRICAL SERVICE DEVICES.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDUIT (WITH 1/4" POLY PULL ROPE, CONSIDERED INCIDENTAL TO THE CONTRACT), PULL BOXES, CONCRETE POLE BASES AND CONCRETE LIGHTING CONTROL CABINET PADS. CONTRACTOR SHALL COORDINATE PROVISION OF THESE MATERIALS WITH THE UTILITY COMPANY.

C. REFER TO THE STANDARD DOT SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING THE ELECTRICAL REQUIREMENTS OF THIS CONTRACT.

PLAN NOTES:

1. PROVIDE 20A, GFI RECEPTACLE WITHIN CABINET. RECEPTACLE SHALL BE INSTALLED WITHIN WEATHER PROOF COVER AND BOX.

2. PROVIDE SURGE SUPPRESSER WITHIN CABINET. DEVISE SHALL BE INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS AND THE NEC.

3. PROVIDE APPROPRIATELY SIZED GROUNDING ELECTRODE CONDUCTOR PER THE NEC. GROUNDING ELECTRODE SHALL CONSIST OF TWO GROUND RODS SPACED AT A MINIMUM OF 10-FEET. ALL BELOW GRADE CONNECTIONS SHALL BE THERMALLY WELDED.

4. PROVIDE CIRCUIT NEUTRAL CONDUCTORS PER THE MISCELLANEOUS QUANTITIES. NEUTRAL CONDUCTORS FOR DEVICES WITHIN THE CABINET SHALL BE SIZED IN ACCORDANCE WITH THE NEC.

5. MAIN BREAKER SHALL BE SERVICE ENTRANCE RATED.

6. PROVIDE BYPASS SWITCH FOR THE PHOTOCELL AND TIMECLOCK. THE SWITCHES SHALL NOT DISCONNECT POWER TO THESE CONTROL DEVICES.

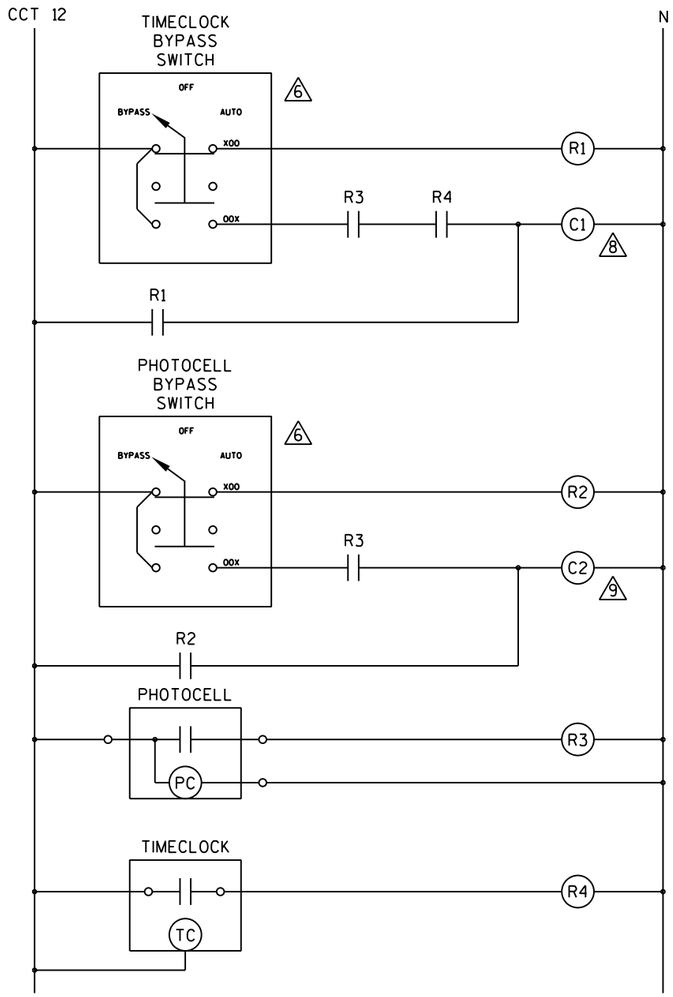
7. PROVIDE 3-#2 CONDUCTORS FROM UTILITY METERING POINT TO THE MAIN BREAKER. GROUNDING ELECTRODE SHALL BE SIZE PER THE NEC.

8. LIGHTING CONTACTOR "C1" SHALL BE UTILIZED TO CONTROL THE POLE MOUNTED FESTOONS AND THE LIGHTING ALONG THE NORTH SIDE OF THE ROADWAY. THIS CONTACTORS COIL SHALL BE ENERGIZED VIA PHOTOCELL AND SHALL BE DE-ENERGIZED AT APPROXIMATELY 12AM (MIDNIGHT).

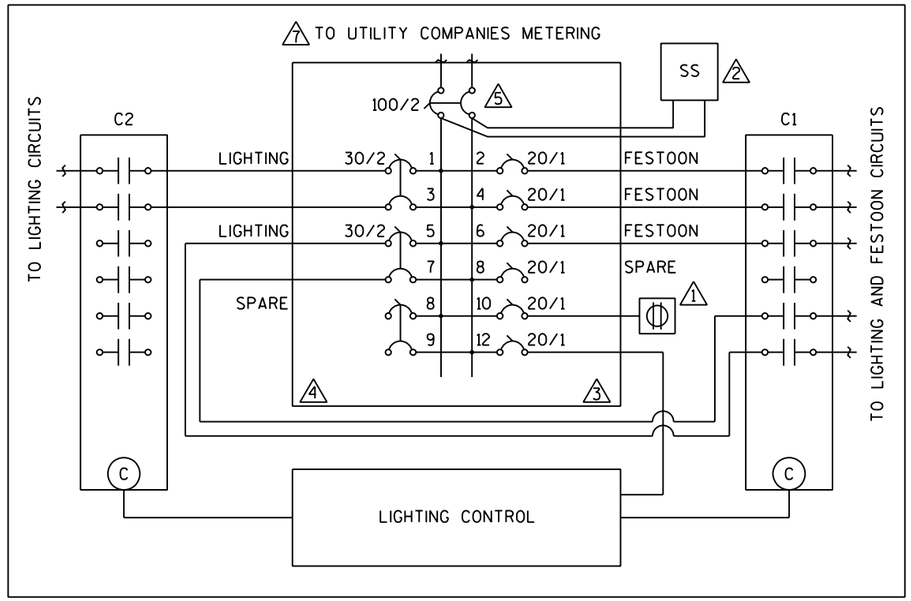
9. LIGHTING CONTACTOR "C2" SHALL BE UTILIZED TO CONTROL THE LIGHTING ALONG THE SOUTH SIDE OF THE ROADWAY. THIS CONTACTORS COIL SHALL BE ENERGIZED VIA PHOTOCELL AND SHALL BE DE-ENERGIZED AT DAWN.

LEGEND:

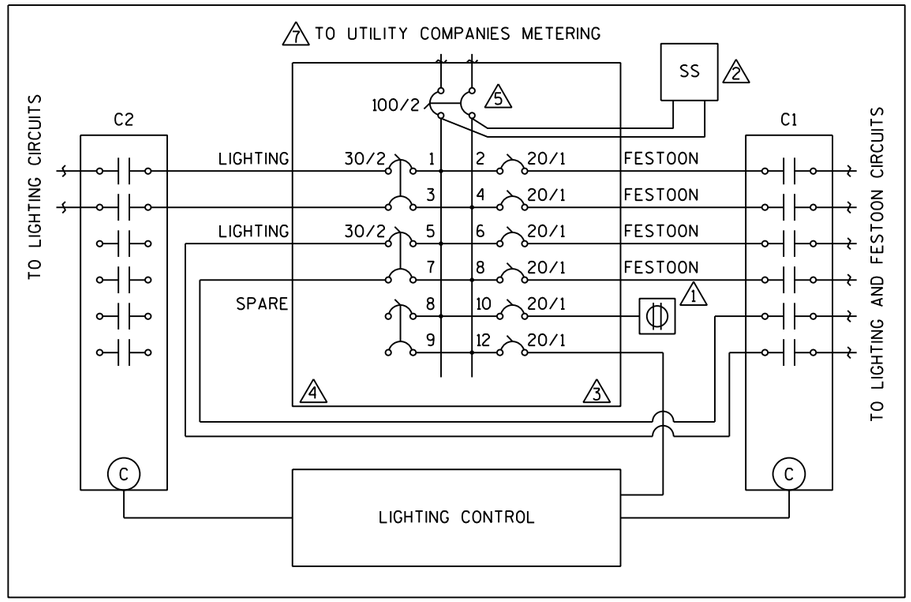
C = COIL
C1 = ELECTRICALLY HELD LIGHTING CONTACTOR, 6-POLE
C2 = ELECTRICALLY HELD LIGHTING CONTACTOR, 6-POLE
R1 - R4 = RELAYS
SS = SURGE SURPRESSOR



LIGHTING CONTROL LOGIC
NO SCALE



LIGHTING CONTROL CONTROL CABINET (LCC-1)
NO SCALE

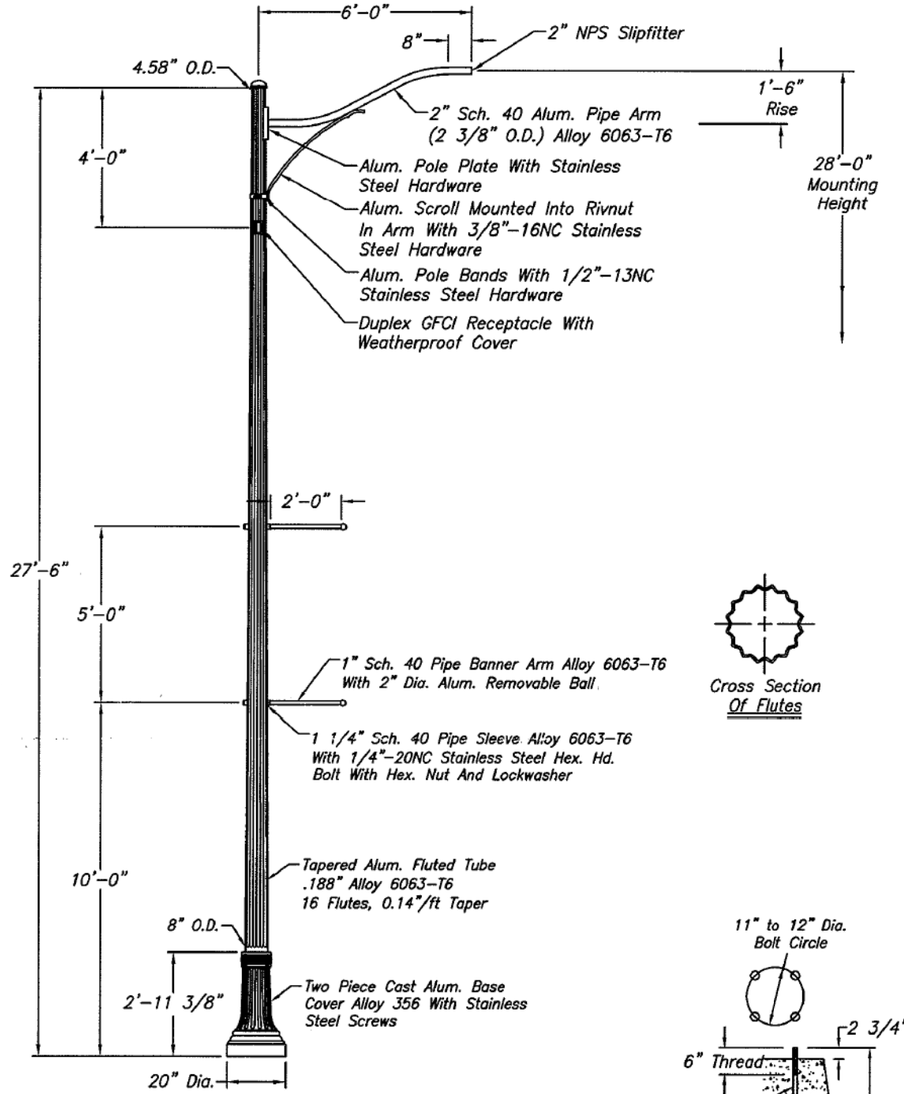


LIGHTING CONTROL CONTROL CABINET (LCC-2)
NO SCALE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING DETAILS	SHEET	E

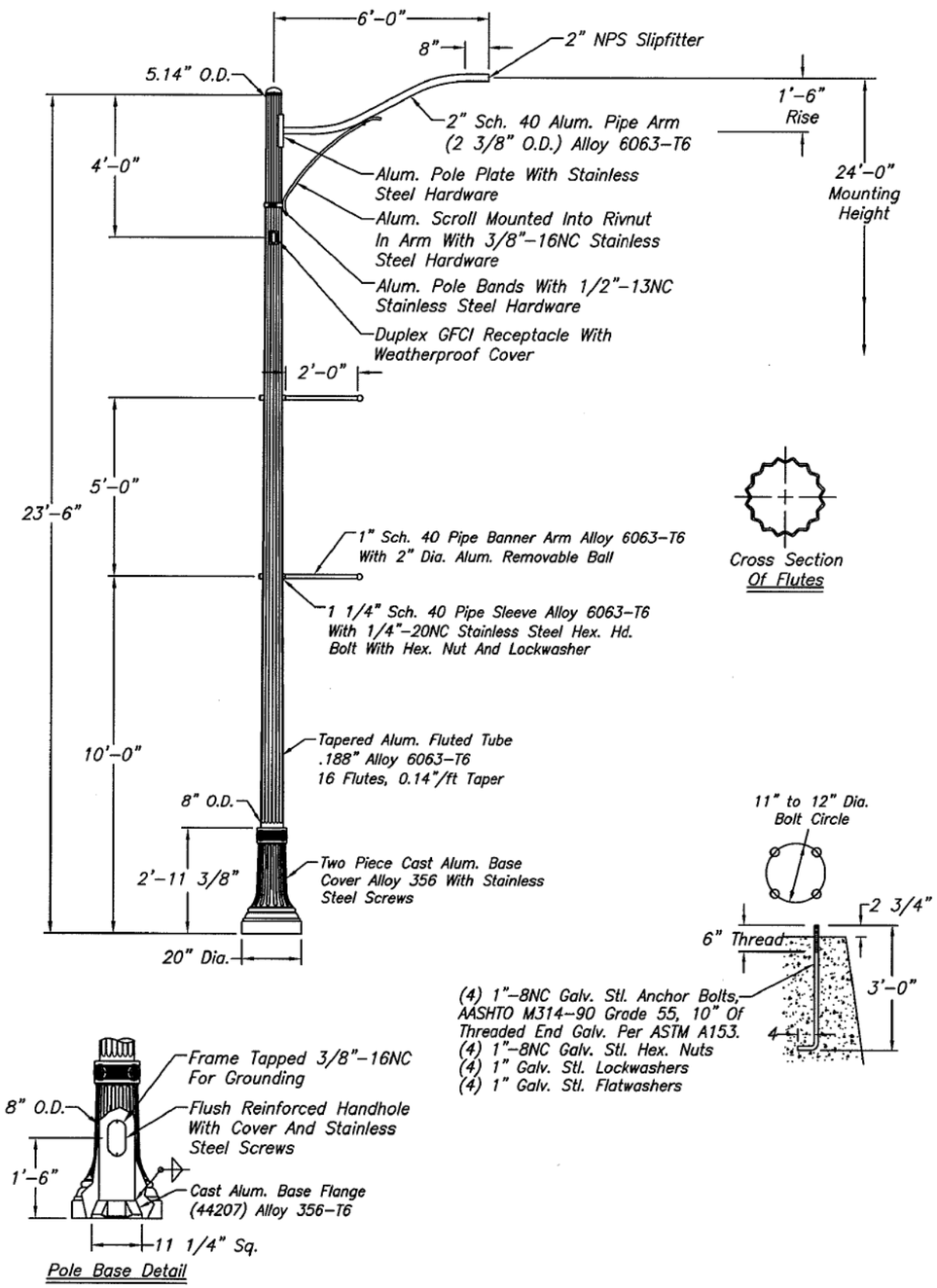
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Lighting Cabinets.dgn 9/23/2014 6:40:35 AM jdolens



LM-SA & LM SB DETAILS

NO SCALE

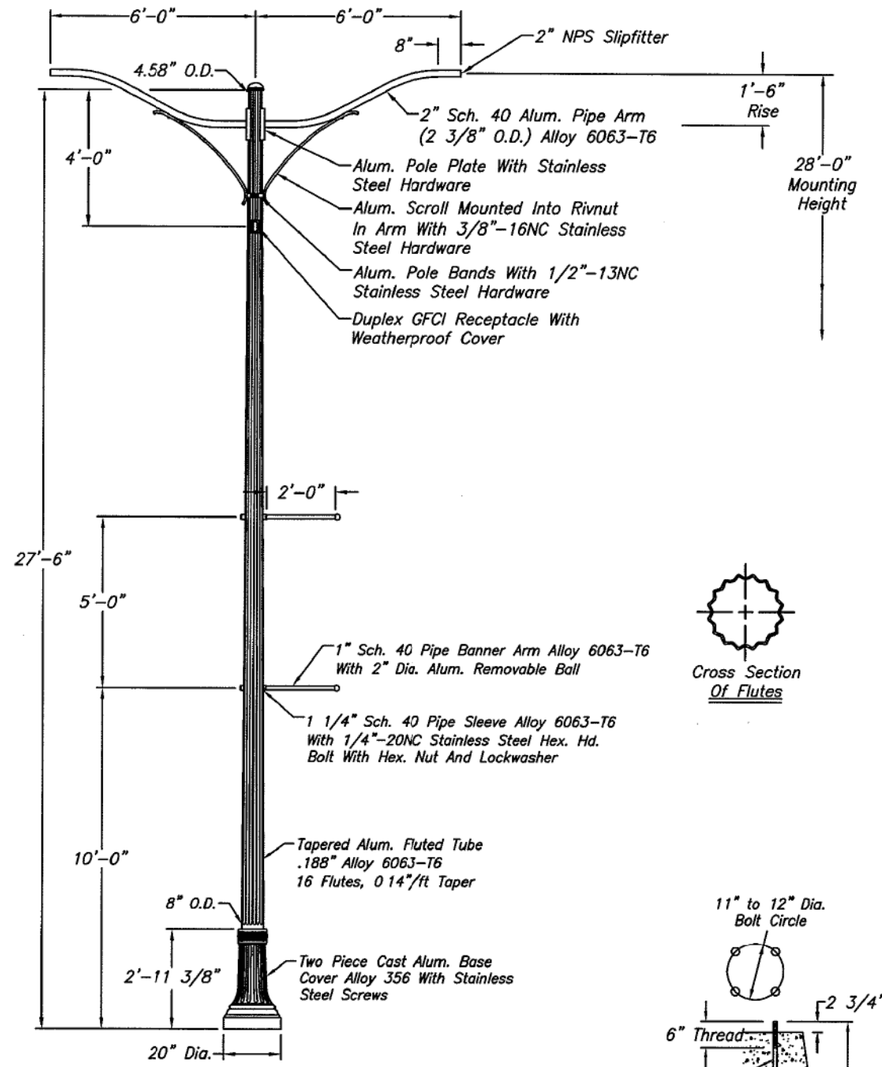


LM-SC DETAILS

NO SCALE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING DETAILS	SHEET 156	E

2



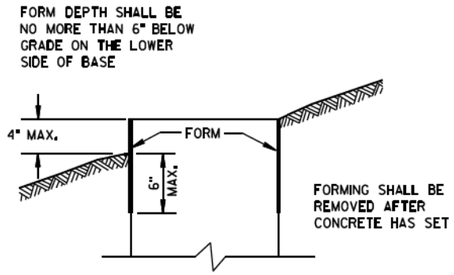
LM-DA DETAILS

NO SCALE

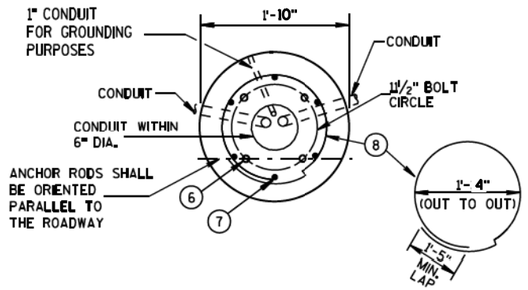
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	STREET LIGHTING DETAILS	SHEET	E

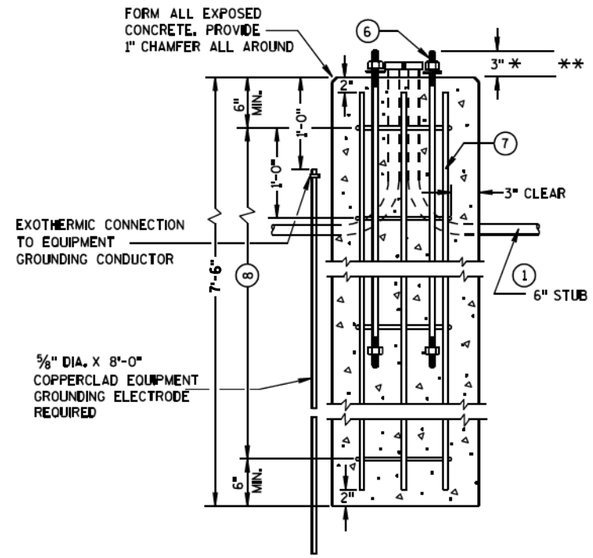
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

Street Lighting Pole Details_02.dgn 9/23/2014 6:40:38 AM jdolens



FORMING DETAIL





* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

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.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD)

THE EQUIPMENT GROUNDING CONDUCTOR SHALL 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.

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.

(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO. 4 X 7'-2" BAR STEEL REINFORCEMENT.

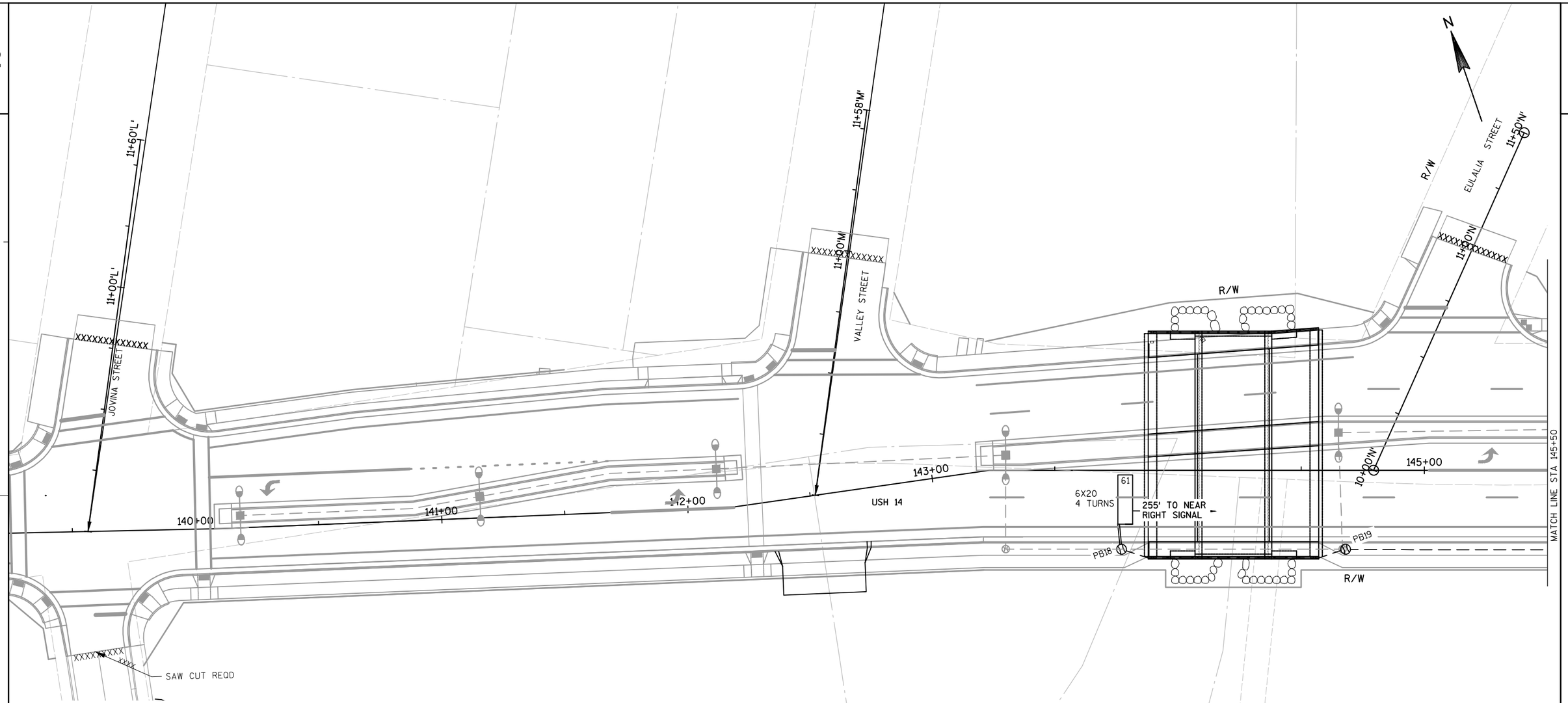
(8) (6) NO. 4 X 5'-8" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

STREET LIGHTING CONCRETE BASES DETAIL

NO SCALE

2



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, DUAL MOUNT TRAFFIC SIGNAL POLE, 20-FOOT, TRANSFORMER BASE
- (XX) SIGNAL HEAD, WITH LUMINAIRE, MAST ARM MOUNT, TRANSFORMER BASE
- PUSH BUTTON
- LOCAL LIGHTING
- PULL BOX, 24" X 42"
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- LOOP DETECTOR IN 1" NOMETALLIC CONDUIT

GENERAL NOTE

1. THE LOCATION 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. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

2. REFER TO STRUCTURE PLANS FOR DETAILS ON SIGNAL LIGHTING CONDUIT LOCATION.

TRAFFIC CONTROL SIGNAL
USH 14 & CTH P
CROSS PLAINS
DANE COUNTY

SIGNAL NO. S13-0495 CONTROLLER TYPE: TYPE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date DATE — TRAFFIC ENGINEER / REGION TRAFFIC ENGINEER

APPROVED

Date DATE — STATE ENGINEER / STATE TRAFFIC ENGINEER

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

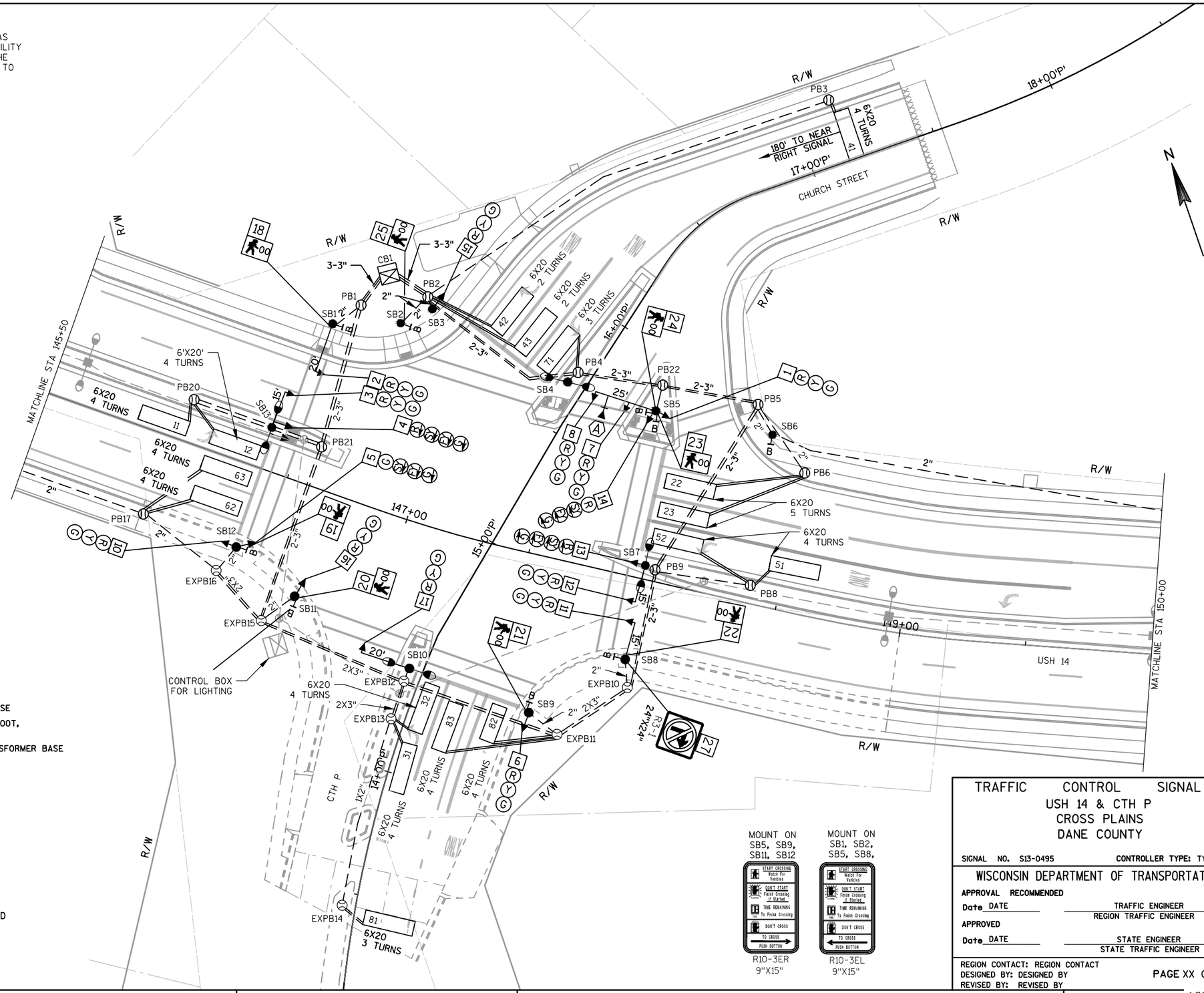
PAGE XX OF XX

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL SIGNAL S13-0495	SHEET 159	E

GENERAL NOTE

THE LOCATION 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. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

2



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, DUAL MOUNT TRAFFIC SIGNAL POLE, 20-FOOT, TRANSFORMER BASE
- (XX) SIGNAL HEAD, WITH LUMINAIRE, MAST ARM MOUNT, TRANSFORMER BASE
- PUSH BUTTON
- LOCAL LIGHTING
- PULL BOX, 24" X 42"
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- LOOP DETECTOR IN 1" NOMETALLIC CONDUIT

NOTE:
1. FOUNDATIONS FOR SB8, SB10 AND SB11, LOOPS 31, 32, 81-84 AND PULLBOXES 10-16 WERE INSTALLED UNDER 5310-00-74/5657-00-70 PROJECT.

MOUNT ON SB5, SB9, SB11, SB12

R10-3ER
9"X15"

MOUNT ON SB1, SB2, SB5, SB8,

R10-3EL
9"X15"

TRAFFIC CONTROL SIGNAL
USH 14 & CTH P
CROSS PLAINS
DANE COUNTY

SIGNAL NO. S13-0495 CONTROLLER TYPE: TYPE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date DATE — TRAFFIC ENGINEER / REGION TRAFFIC ENGINEER

APPROVED

Date DATE — STATE ENGINEER / STATE TRAFFIC ENGINEER

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

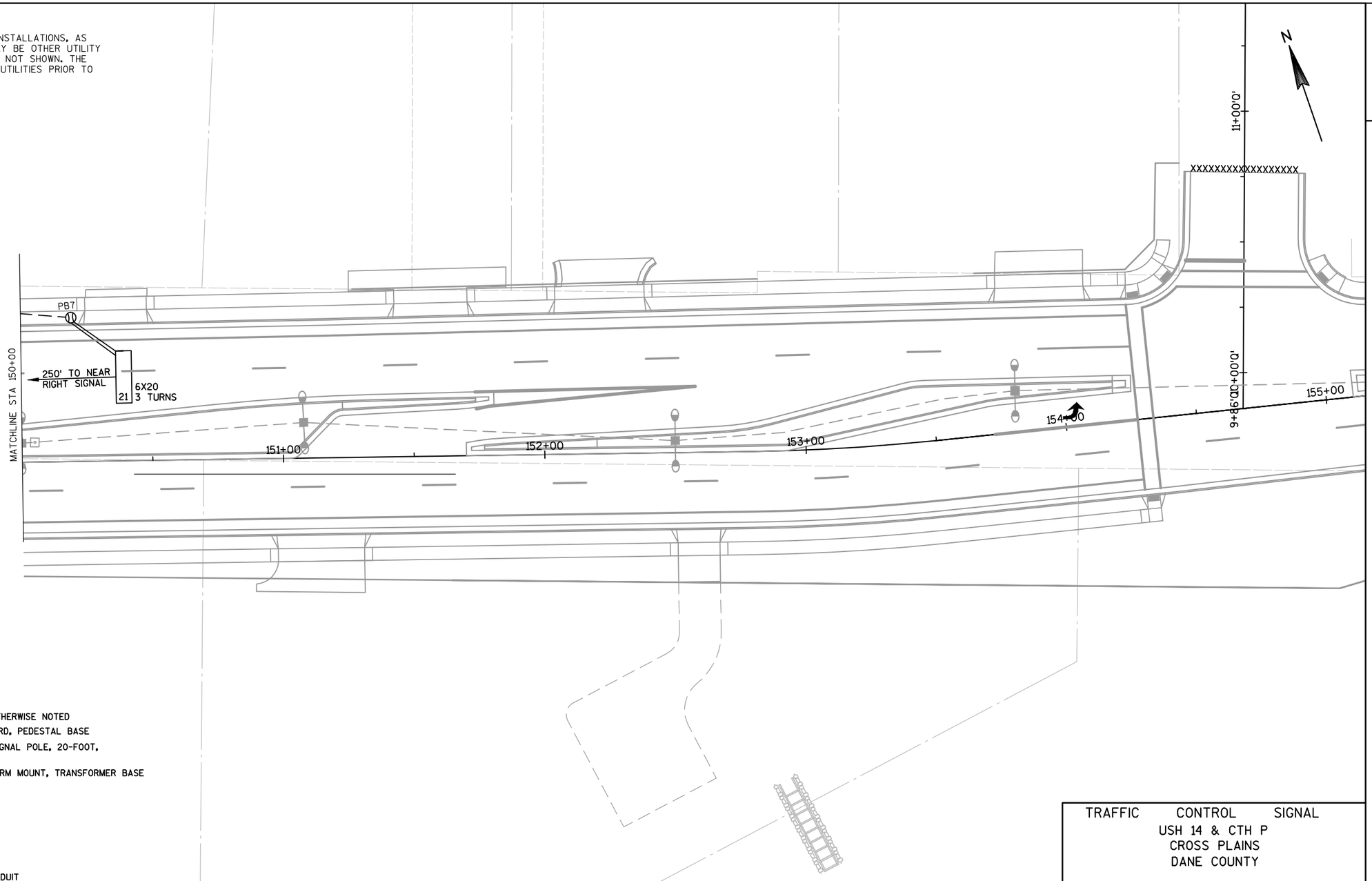
PAGE XX OF XX

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL SIGNAL S13-0495	SHEET 160 E

2

GENERAL NOTE

THE LOCATION 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. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, DUAL MOUNT TRAFFIC SIGNAL POLE, 20-FOOT, TRANSFORMER BASE
- (XX) SIGNAL HEAD, WITH LUMINAIRE, MAST ARM MOUNT, TRANSFORMER BASE
- PUSH BUTTON
- LOCAL LIGHTING
- PULL BOX, 24" X 42"
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- LOOP DETECTOR IN 1" NOMETALLIC CONDUIT

NOTE:
1. FOUNDATIONS FOR SB8, SB10 AND SB11, LOOPS 31, 32, 81-84 AND PULLBOXES 10-16 WERE INSTALLED UNDER 5310-00-74/5657-00-70 PROJECT.

TRAFFIC CONTROL SIGNAL
USH 14 & CTH P
CROSS PLAINS
DANE COUNTY

SIGNAL NO. S13-0495 CONTROLLER TYPE: TYPE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date DATE — TRAFFIC ENGINEER / REGION TRAFFIC ENGINEER

APPROVED

Date DATE — STATE ENGINEER / STATE TRAFFIC ENGINEER

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

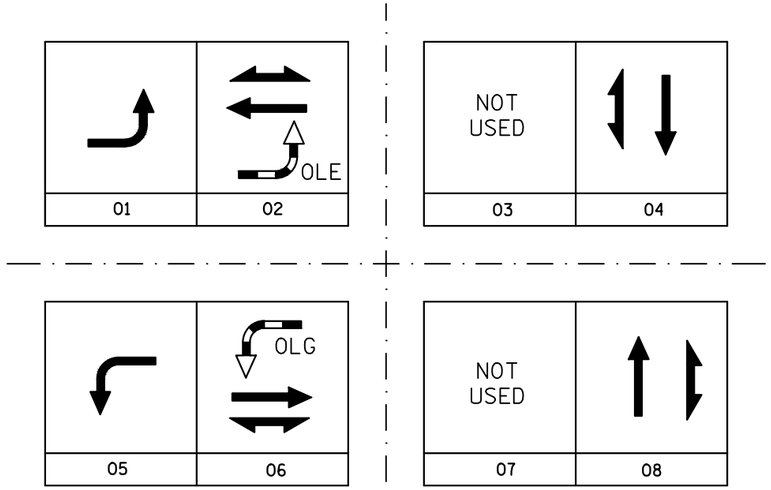
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL SIGNAL S13-0495	SHEET 161	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\024001_SP.DWG PLOT DATE : 8/28/2014 8:01 AM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
ϕ1	13, 14	R
ϕ2	1, 2, 3	R
ϕ3		R
ϕ4	15, 16, 17	R
ϕ5	4, 5	R
ϕ6	10, 11, 12	R
ϕ7	-	R
ϕ8	6, 7, 8	R
ϕ2 PED	24, 25	
ϕ4 PED	18, 19	
ϕ6 PED	20, 21	
ϕ8 PED	22, 23	

O.L. ASSIGNMENTS			
OLA			
OLB			
OLC			
OLD			
OLE	13, 14		
OLF			
OLG	4, 5		
OLH			



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				YES
2	X	6	MIN	YES
3				YES
4		8		YES
5				YES
6	X	2	MIN	YES
7				
8		4		YES

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	X

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR *(S)	11	21	-	-	31	41	-	51
PHASE CALLED	1				3			5
PHASE EXTENDED	1	2			3	4		5
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH		5				5		
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
61	-	-	81					DETECTOR *(S)
								PHASE CALLED
6			8					PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
5			5					EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR *(S)	12	22	23	-	32	42	43	52
PHASE CALLED	1	2	2		3	4	4	5
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
62	63	71	82	83				DETECTOR *(S)
6	6	7	8	8				PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	
CELL MODEM	
PHONE	

SYSTEM INFORMATION	
LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM *:	SS- -

TRAFFIC CONTROL SIGNAL

USH 14 & CTH P
CROSS PLAINS DANE
COUNTY

SIGNAL NO. S13-0495

REGION CONTACT:
DESIGNED BY: DLW
REVISED BY: MARCUS

PAGE OF

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC SIGNAL SEQUENCE OF OPERATIONS	SHEET 162	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\024011_SP- USH 14 & CTH P.DWG PLOT DATE : 8/28/2014 8:01 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

GENERAL NOTE

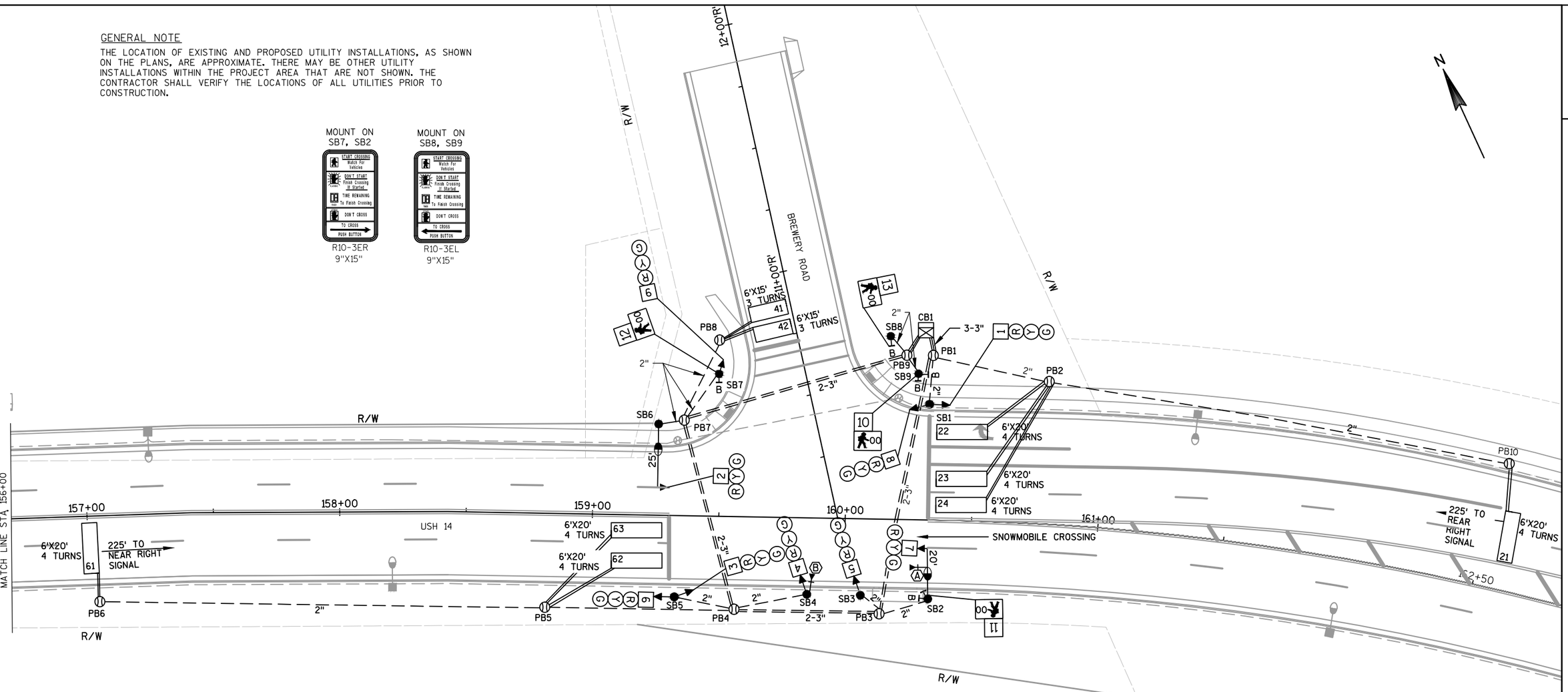
THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS, AS SHOWN ON THE PLANS, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

MOUNT ON SB7, SB2

R10-3ER
9"X15"

MOUNT ON SB8, SB9

R10-3EL
9"X15"



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, DUAL MOUNT TRAFFIC SIGNAL POLE, 20-FOOT, TRANSFORMER BASE
- (XX) SIGNAL HEAD, WITH LUMINAIRE, MAST ARM MOUNT, TRANSFORMER BASE
- PUSH BUTTON
- LOCAL LIGHTING
- PULL BOX, 24" X 42"
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- LOOP DETECTOR IN 1" NOMETALLIC CONDUIT

TRAFFIC CONTROL SIGNAL
USH 14 & BREWERY ROAD
CROSS PLAINS
DANE COUNTY

SIGNAL NO. S13-1397 CONTROLLER TYPE: TYPE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date DATE — TRAFFIC ENGINEER / REGION TRAFFIC ENGINEER

APPROVED

Date DATE — STATE ENGINEER / STATE TRAFFIC ENGINEER

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

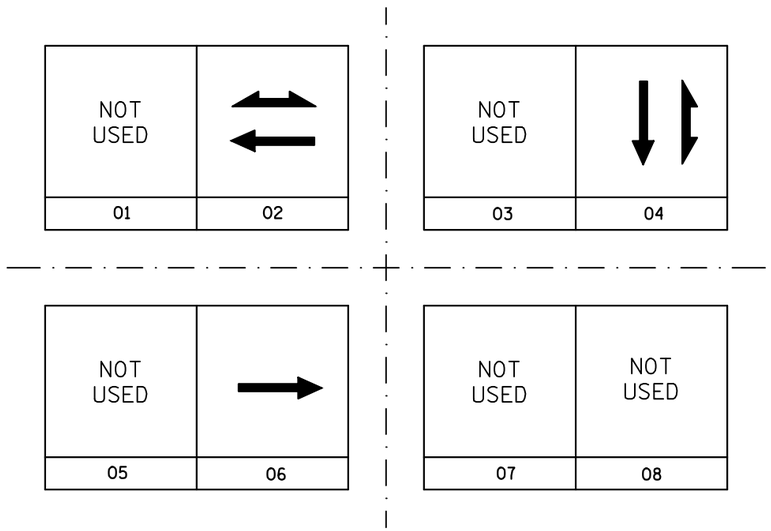
PAGE XX OF XX

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL SIGNAL S13-1397	SHEET 163	E

	HEAD NUMBERS	FLASH
ϕ1		
ϕ2	1, 2, 3	R
ϕ3		
ϕ4	4, 5, 9	R
ϕ5		
ϕ6	6, 7, 8	R
ϕ7		
ϕ8		
ϕ2 PED	12, 13	
ϕ4 PED	10, 11	
ϕ6 PED		
ϕ8 PED		

O.L. ASSIGNMENTS			
OLA			
OLB			
OLC			
OLD			
OLE			
OLF			
OLG			
OLH			

N



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MAX	YES
3				
4	X			YES
5				
6	X	2	MAX	YES
7				
8				

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	X

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR *(S)	21	-	-	61				
PHASE CALLED								
PHASE EXTENDED	2			6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH	5			5				
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR *(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR *(S)	22	23	24	41	42	62	63	
PHASE CALLED	2	2	2	4	4	6	6	
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY	X			X	X			
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR *(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	
CELL MODEM	
PHONE	

SYSTEM INFORMATION	
LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM *:	SS- -

TRAFFIC CONTROL SIGNAL

USH 14 & BREWERY
ROAD CROSS PLAINS
DANE COUNTY

SIGNAL NO. S13-1397

REGION CONTACT:
DESIGNED BY: DLW
REVISED BY: MARCUS

PAGE OF

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC SIGNAL SEQUENCE OF OPERATIONS	SHEET 164	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\024010_SP- USH 14-BREWERY ROAD.DWG PLOT DATE : 8/28/2014 8:02 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

PROJECT ID: 5310-02-70
INTERSECTION: USH-14 & BREWERY ROAD

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 5/16/14

CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR								PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<GREEN>	D/WALK	WALK		
SB1		12	1	2	RED	ORG	GRN							
			8	6	RED	ORG	GRN							
SB2		12	7	6	RED	ORG	GRN							
			10	8							BLK	BLU		
			BUTTON	8									WHT/BLK	
SB3		12	5	4	RED	ORG	GRN							
SB4		12	4	4	RED	ORG	GRN							
SB5		12	3	2	RED	ORG	GRN							
			6	6	RED	ORG	GRN							
SB6		12	2	2	RED	ORG	GRN							
SB7		12	11	2							BLK	BLU		
			BUTTON	2									WHT/BLK	
SB8		12	12	2							BLK	BLU		
			BUTTON	2									WHT/BLK	
SB9		12	9	8							BLK	BLU		
			BUTTON	8									WHT/BLK	

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB1	PB2
SB5	PB3
SB6	PB4
PB5	PB1
PB6	PB3
PB1	CB1

PROJECT ID: 5310-02-70
INTERSECTION: USH-14 & CTH P

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN	GRY-GRAY
	WHT-WHITE	BLU-BLUE	ORG-ORANGE	

DATE: 5/21/14

CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR								PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<GREEN>	D/WALK	WALK		
SB1		12	22	4							BLK	BLU		
			BUTTON										WHT/BLK	
SB2		12	23	2							BLK	BLU		
			BUTTON										WHT/BLK	
SB3		12	13	4	RED	ORG	GRN							
SB4		12	8	3 & 8		ORG/BLK		RED/BLK	BLK/WHT	BLU/BLK				
			24	2							BLK	BLU		
			25	2							BLK	BLU		
SB5		12	6	8	RED	ORG	GRN							
			26	2							BLK	BLU		
			BUTTON										WHT/BLK	
			BUTTON										WHT/BLK	
		12	1	2	RED	ORG	GRN							
													WHT/BLK	
SB6		12	6	2	RED	ORG	GRN							
				2									WHT/BLK	
SB7		12	11	6	RED	ORG	GRN							
			12	1 & 6		ORG/BLK		RED/BLU	BLK/WHT	BLU/BLK				
SB8		12	10	6	RED	ORG	GRN							
		12	29	PREEMPT										GRY
SB9		12	5	8	RED	ORG	GRN							
			19	6							BLK	BLU		
			BUTTON										WHT/BLK	
SB10		12	16	4 & 7		ORG/BLK		RED/BLK	BLK/WHT	BLU/BLK				
SB11		12	15	4	RED	ORG	GRN							
			20								BLK	BLU		
			BUTTON										WHT/BLK	
SB12		12	9	6	RED	ORG	GRN							
			21	4							BLK	BLU		
			BUTTON	4									WHT/BLK	
		12	27	PREEMPT										GRY
SB13		12	4	2 & 5		ORG/BLK		RED/BLK	BLK/WHT	BLU/BLK				

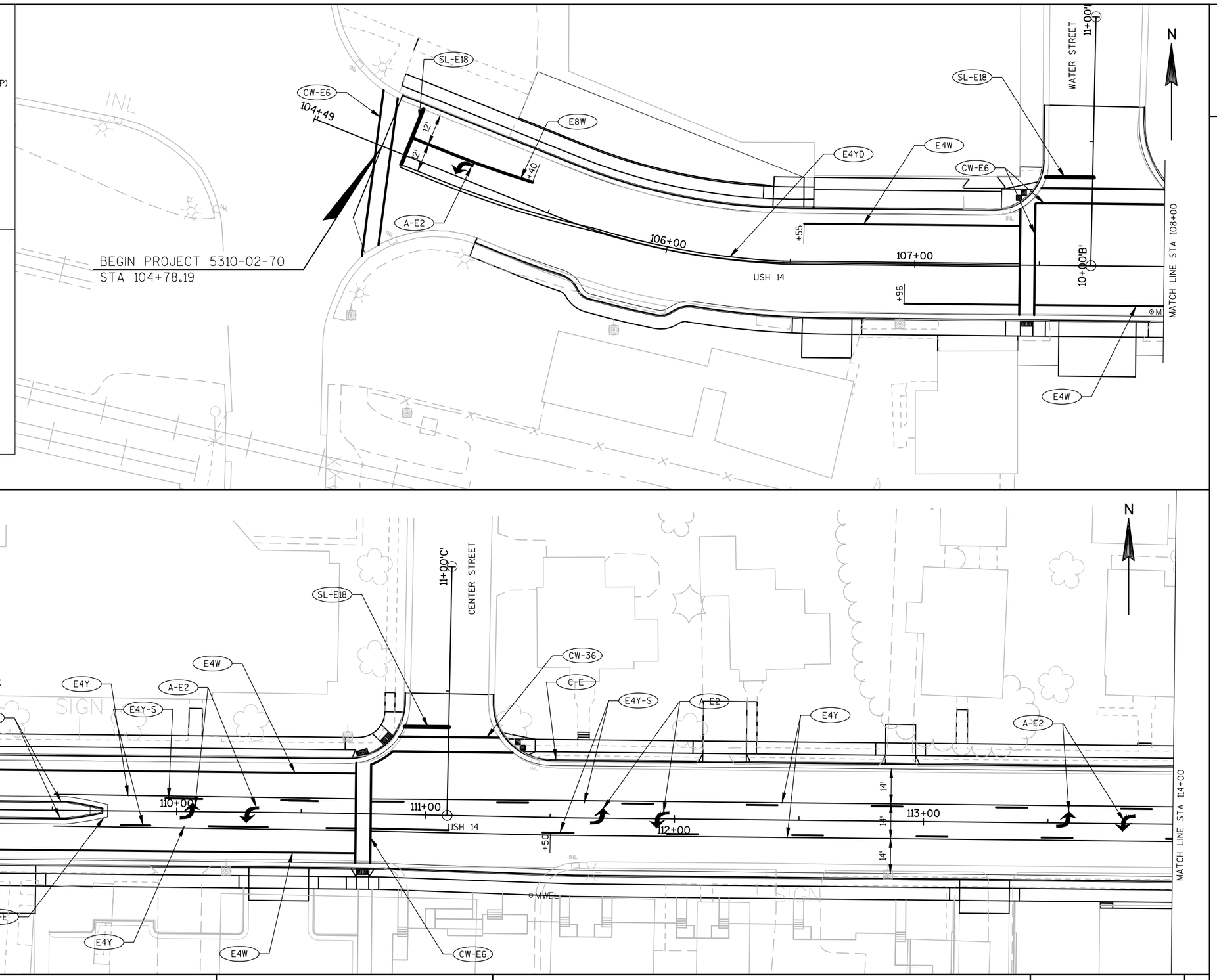
EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB1
SB1	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB2	PB2
SB3	PB2
SB4	PB4
SB5	PB5
SB6	PB5
SB7	PB9
SB8	PB10
SB9	PB11
SB10	PB12
SB11	PB15
SB12	PB16
SB13	PB19
SB1	PB1
PB1	CB1

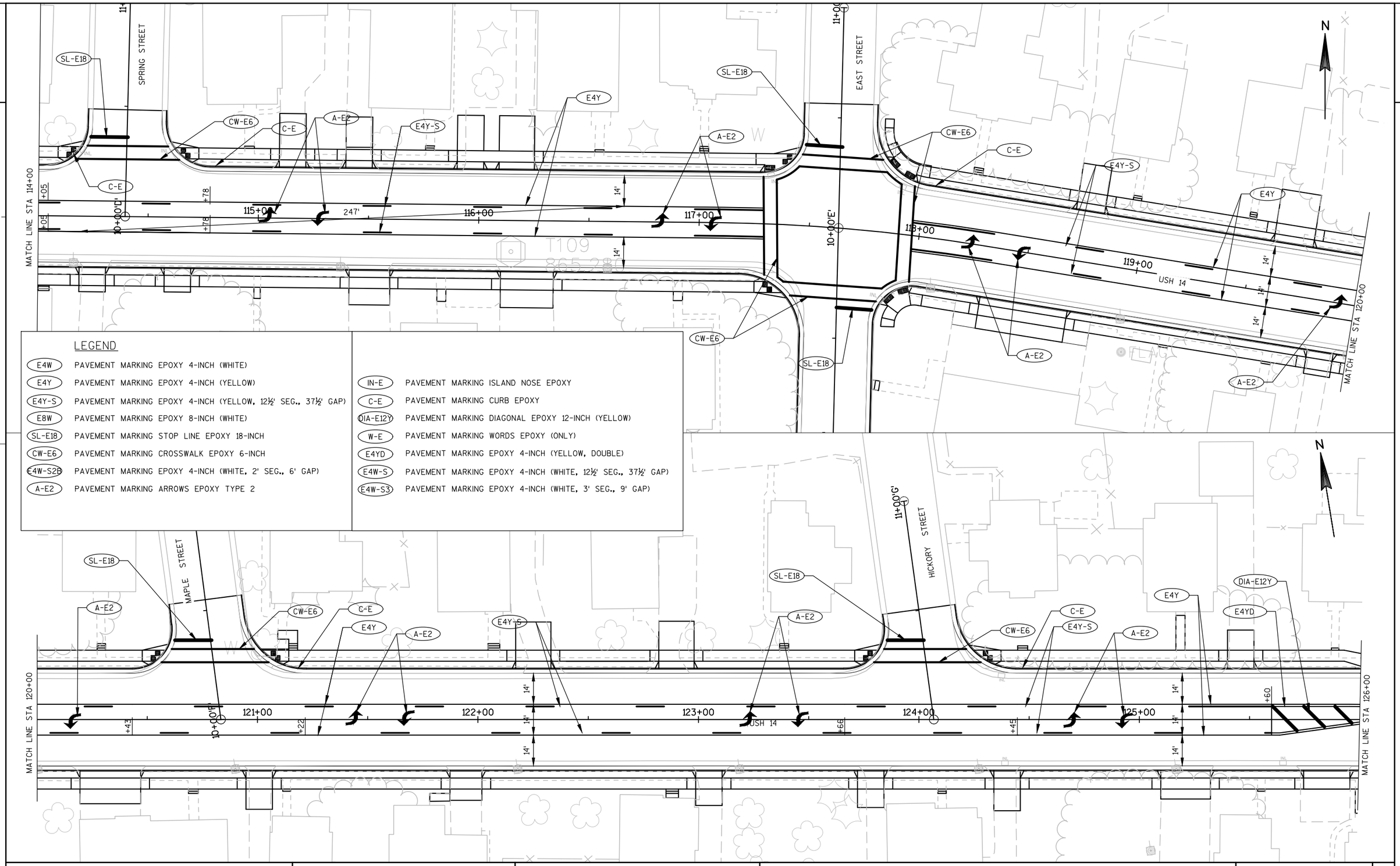
2

LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E4W-S2B	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 166	E



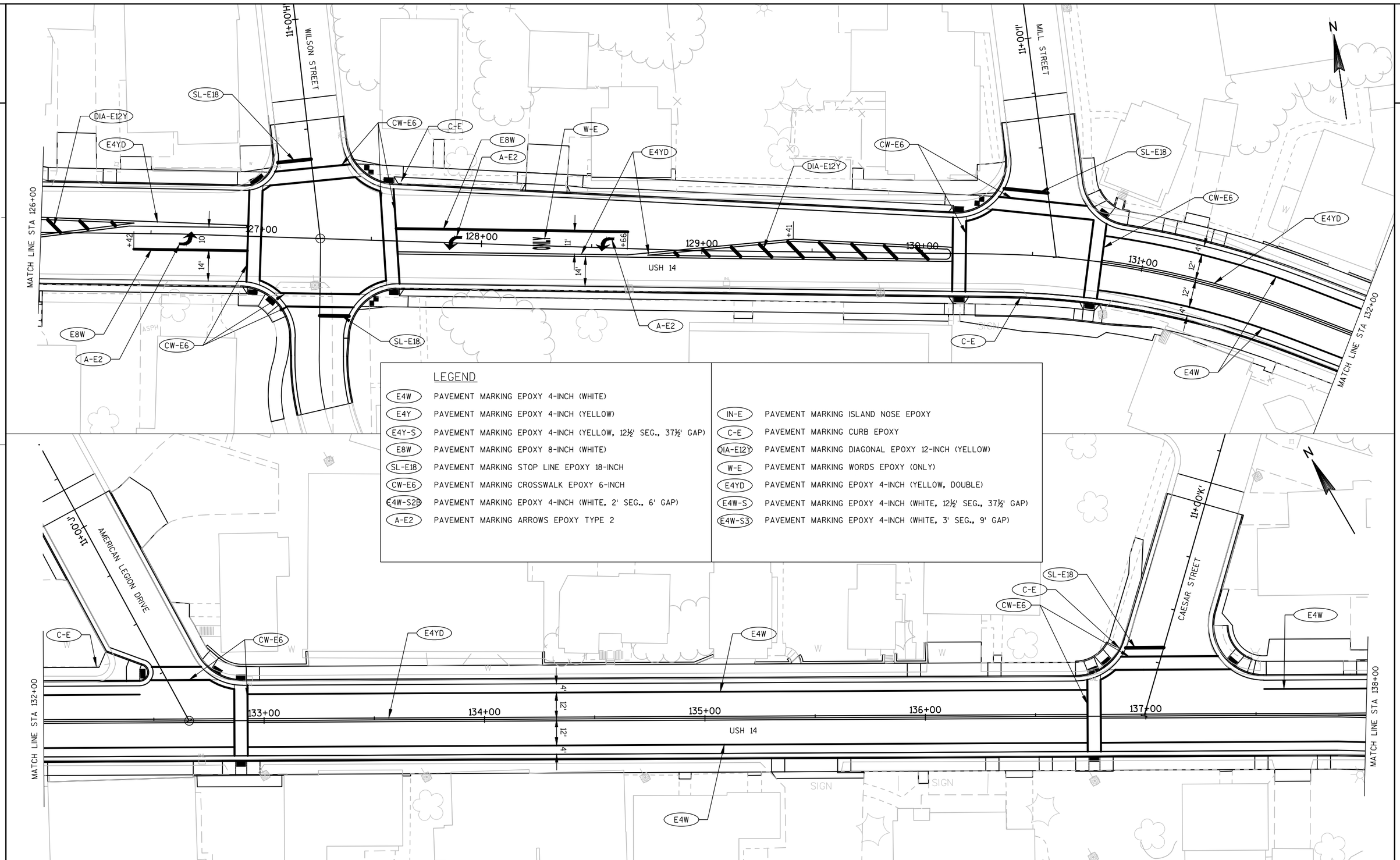
LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E4W-S2B	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKINGS	SHEET	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\024501_PM.DWG PLOT DATE : 8/27/2014 3:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1"=40'_XREF

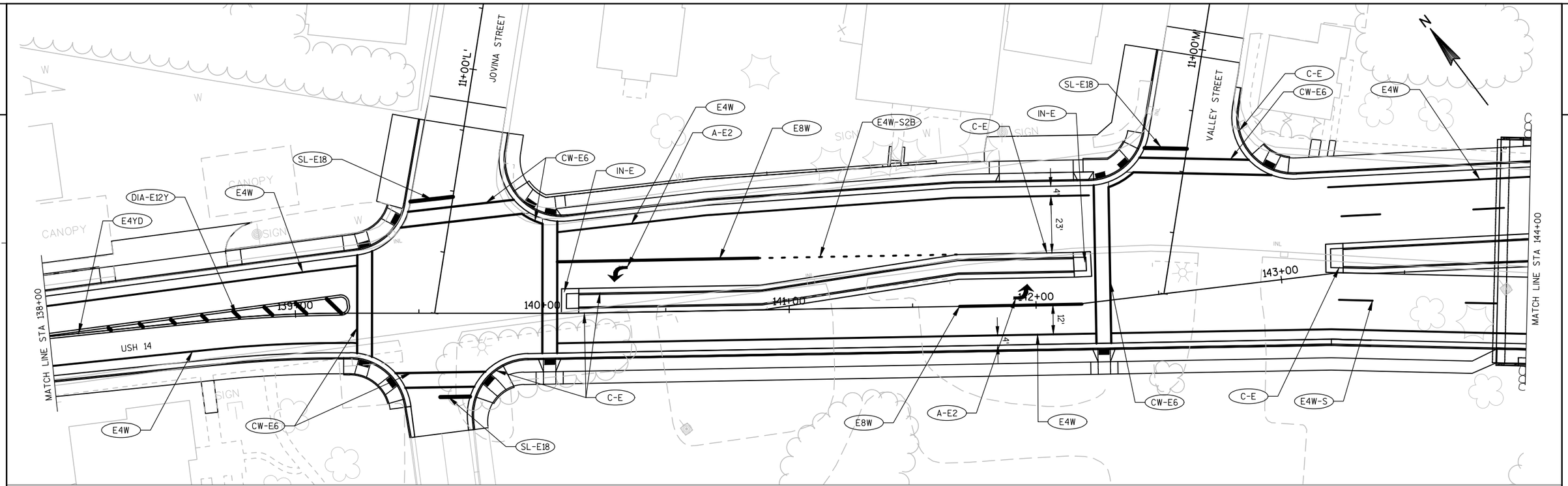
2



LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E4W-S2B	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)

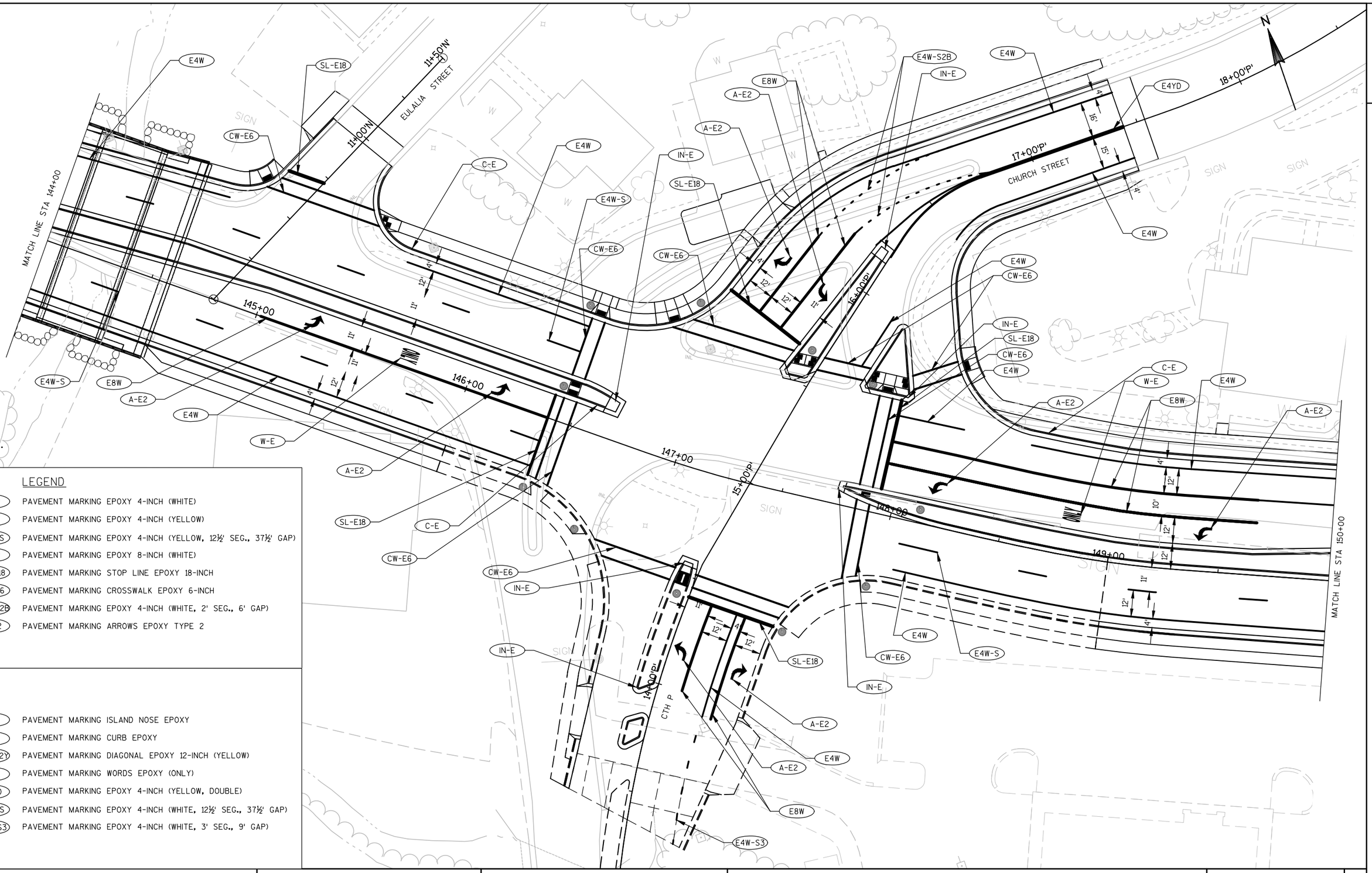
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 168	E



LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)		
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)	C-E	PAVEMENT MARKING CURB EPOXY
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)	DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S2B	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)	E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2	E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)

2

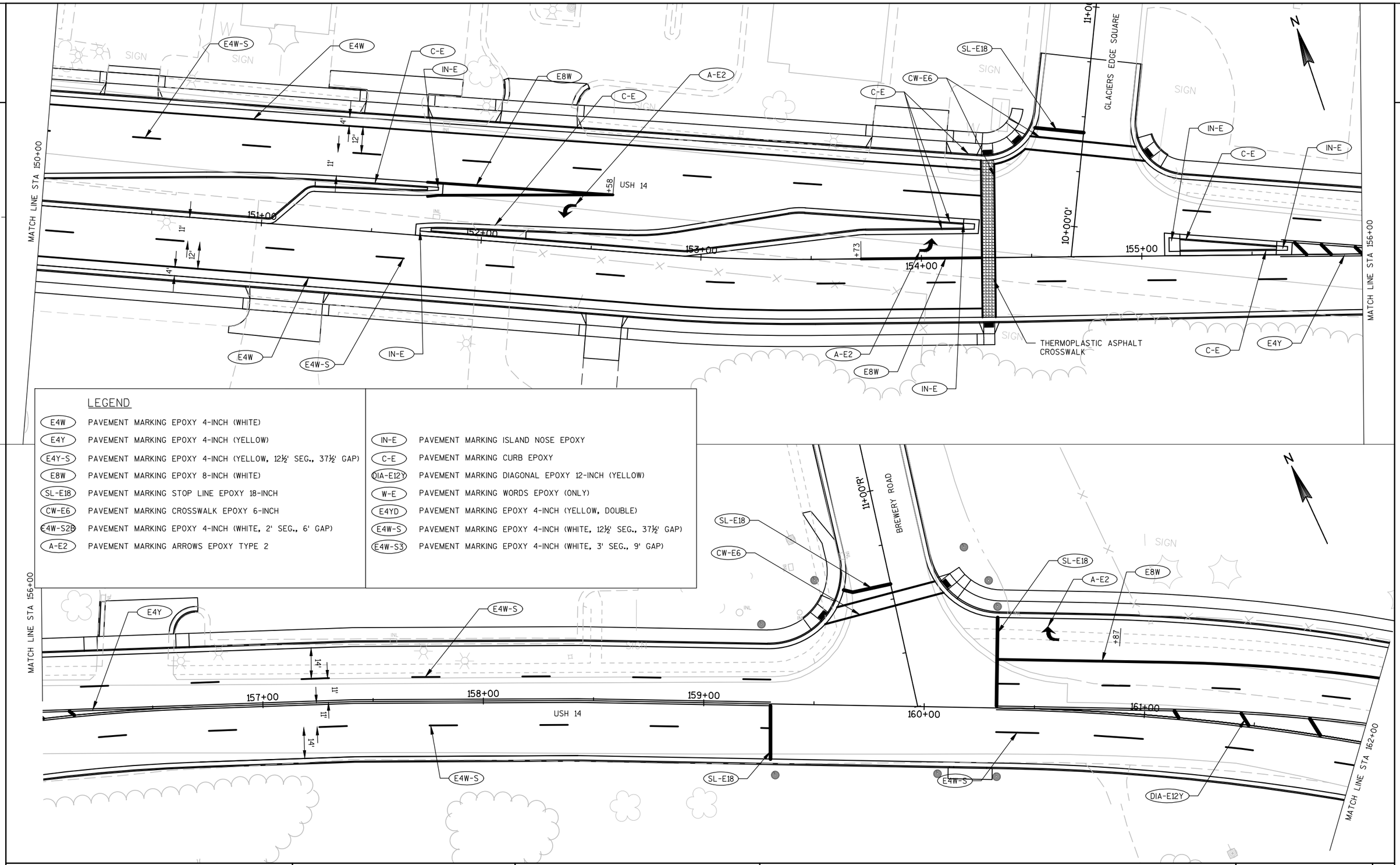


LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E4W-S2B	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 170	E

2



LEGEND

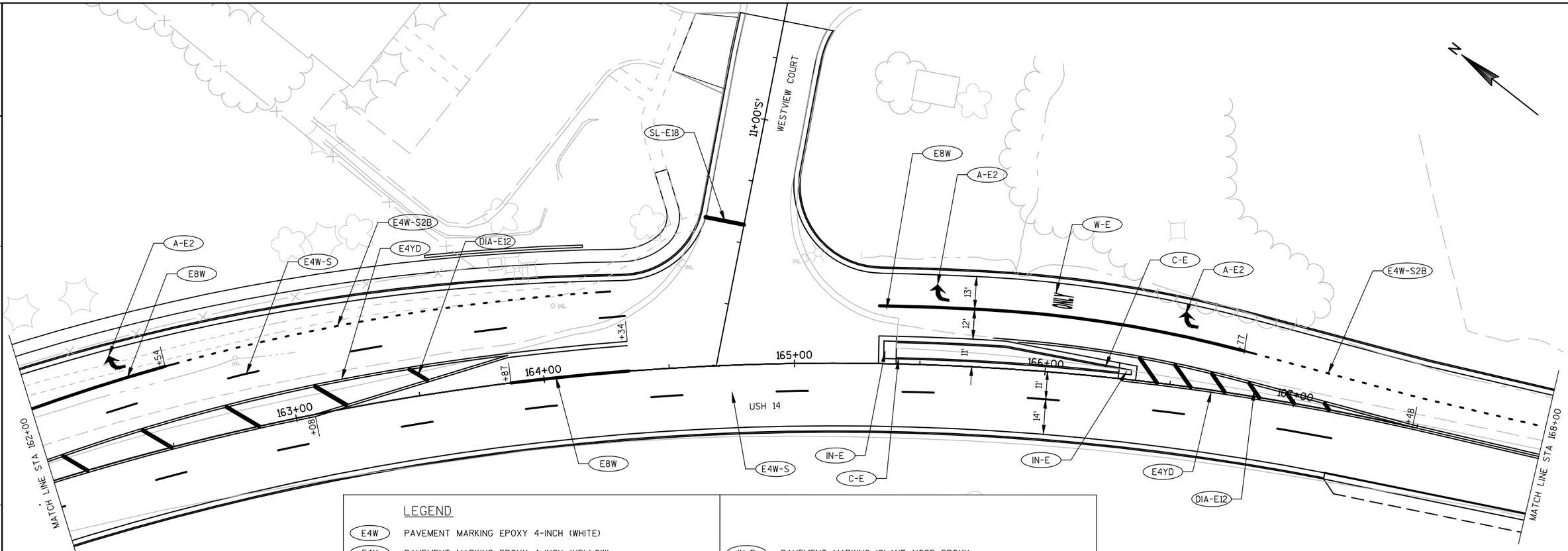
E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E4W-S2R	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 171	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\024501_PM.DWG PLOT DATE : 8/27/2014 3:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1"=40'_XREF

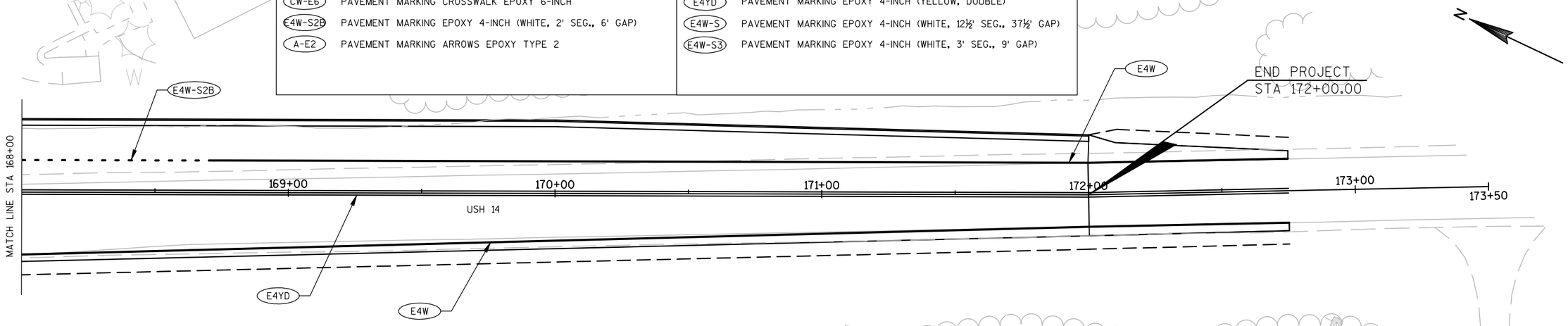
WISDOT/CADDS SHEET 42

2



LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
E4W-S2B	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 2' SEG., 6' GAP)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12Y	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 172 E

2

LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
A-E1	PAVEMENT MARKING ARROWS EPOXY TYPE 1
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
A-E3	PAVEMENT MARKING ARROWS EPOXY TYPE 3
A-E5	PAVEMENT MARKING ARROWS EPOXY TYPE 5
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
RR-E	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY



2

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\024501_PM-BOURBON.DWG PLOT DATE : 8/27/2014 3:16 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

2

LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
A-E1	PAVEMENT MARKING ARROWS EPOXY TYPE 1
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2
A-E3	PAVEMENT MARKING ARROWS EPOXY TYPE 3
A-E5	PAVEMENT MARKING ARROWS EPOXY TYPE 5
IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
C-E	PAVEMENT MARKING CURB EPOXY
DIA-E12	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH
E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
RR-E	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY


N
E4YD
85+00'0'
90+00'0'
BOURBON ROAD
95+00'0'
CW-E6
SL-E18
CW-E6
SL-E18
SL-E18
SL-E18
HILLEBRAND DRIVE
CONTINENTAL LANE
VLV
VLV
VLV

2

2



LEGEND

E4W	PAVEMENT MARKING EPOXY 4-INCH (WHITE)	A-E5	PAVEMENT MARKING ARROWS EPOXY TYPE 5
E4Y	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)	IN-E	PAVEMENT MARKING ISLAND NOSE EPOXY
E4Y-S	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, 12½' SEG., 37½' GAP)	C-E	PAVEMENT MARKING CURB EPOXY
E8W	PAVEMENT MARKING EPOXY 8-INCH (WHITE)	DIA-E12	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH
SL-E18	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	E4W-S3	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
CW-E6	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	W-E	PAVEMENT MARKING WORDS EPOXY (ONLY)
A-E1	PAVEMENT MARKING ARROWS EPOXY TYPE 1	E4YD	PAVEMENT MARKING EPOXY 4-INCH (YELLOW, DOUBLE)
A-E2	PAVEMENT MARKING ARROWS EPOXY TYPE 2	E4W-S	PAVEMENT MARKING EPOXY 4-INCH (WHITE, 12½' SEG., 37½' GAP)
A-E3	PAVEMENT MARKING ARROWS EPOXY TYPE 3	RR-E	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKING	SHEET 175	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\024501_PM-BOURBON.DWG PLOT DATE : 8/27/2014 3:16 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

2

USH 14 TRAFFIC DETOUR

STAGES 1-4

N

BEGIN PROJECT
STA 104+89.00

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

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

MARKET STREET
WATER STREET
CENTER STREET
SPRING STREET
EAST STREET
MAPLE STREET
HICKORY STREET
WILSON STREET
MILL STREET
AMERICAN LEGION DRIVE
CAESAR STREET
JOVINA STREET
VALLEY STREET
EULALIA STREET
CTH P / CHURCH STREET
BREWERY ROAD
WESTVIEW COURT
USH 14
CTH KP
BOURBON RD
LUDDEN DR
CONTINENTAL LN
HILLEBRAND DR
CTH P
WSOR

END PROJECT
STA 172+00

KEY

- USH 14 TRAFFIC
- WORK ZONE STAGE 1
- WORK ZONE STAGE 2
- WORK ZONE STAGE 3
- WORK ZONE STAGE 4

2

PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	DETOUR AND WORK ZONES STAGES 1 - 4	SHEET 176	E

CTH P TRAFFIC DETOUR

STAGE 5 PHASE 2

2



PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	DETOUR AND WORK ZONES STAGE 5 PHASE 2	SHEET 177	E

2

CTH P TRAFFIC DETOUR

STAGE 5 PHASE 2A(1)



2

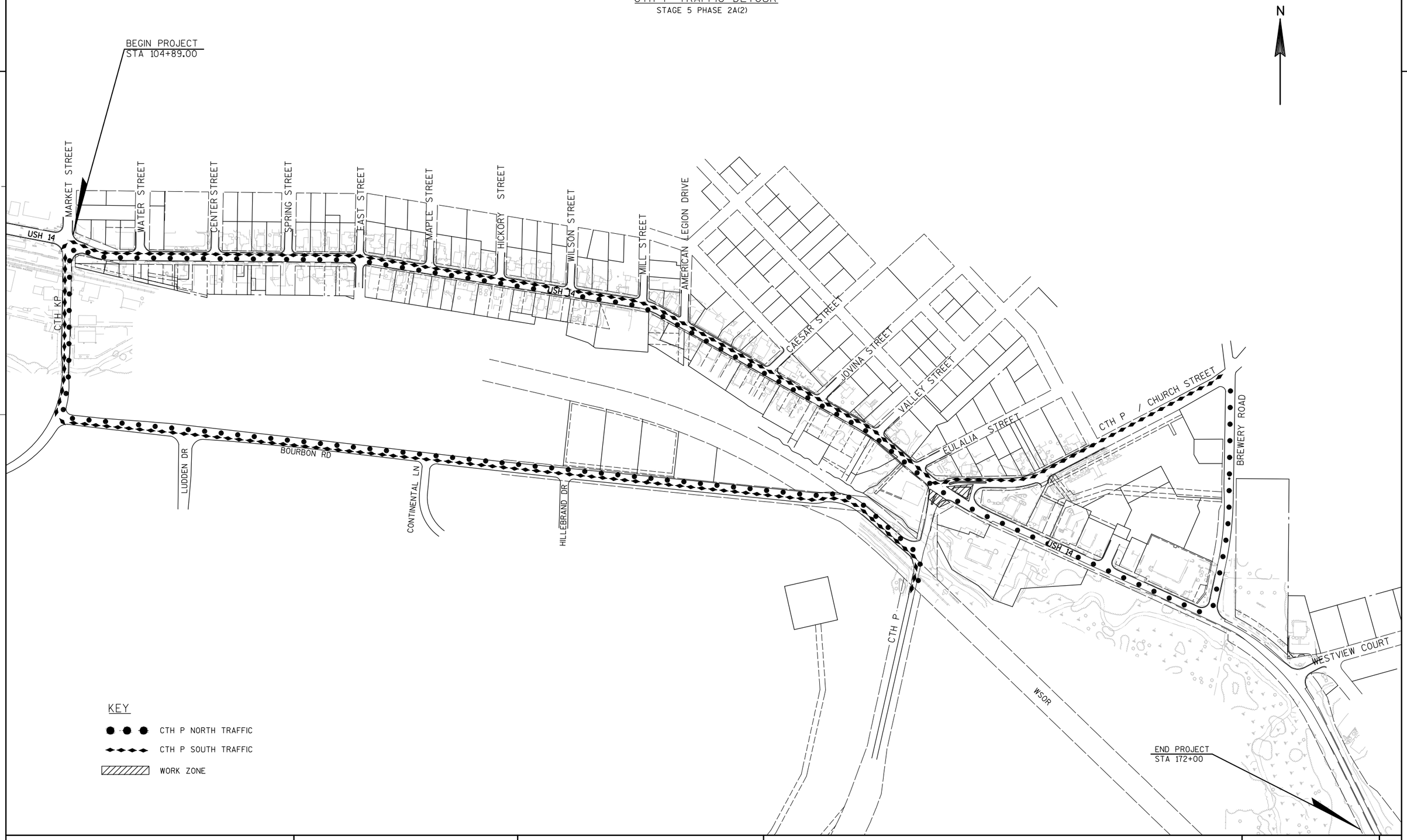
PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	DETOUR AND WORK ZONES STAGE 5 PHASE 2A(1)	SHEET 178	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\027003_DT-STAGE 5 PHASE 2A.DWG PLOT DATE : 8/27/2014 3:17 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42

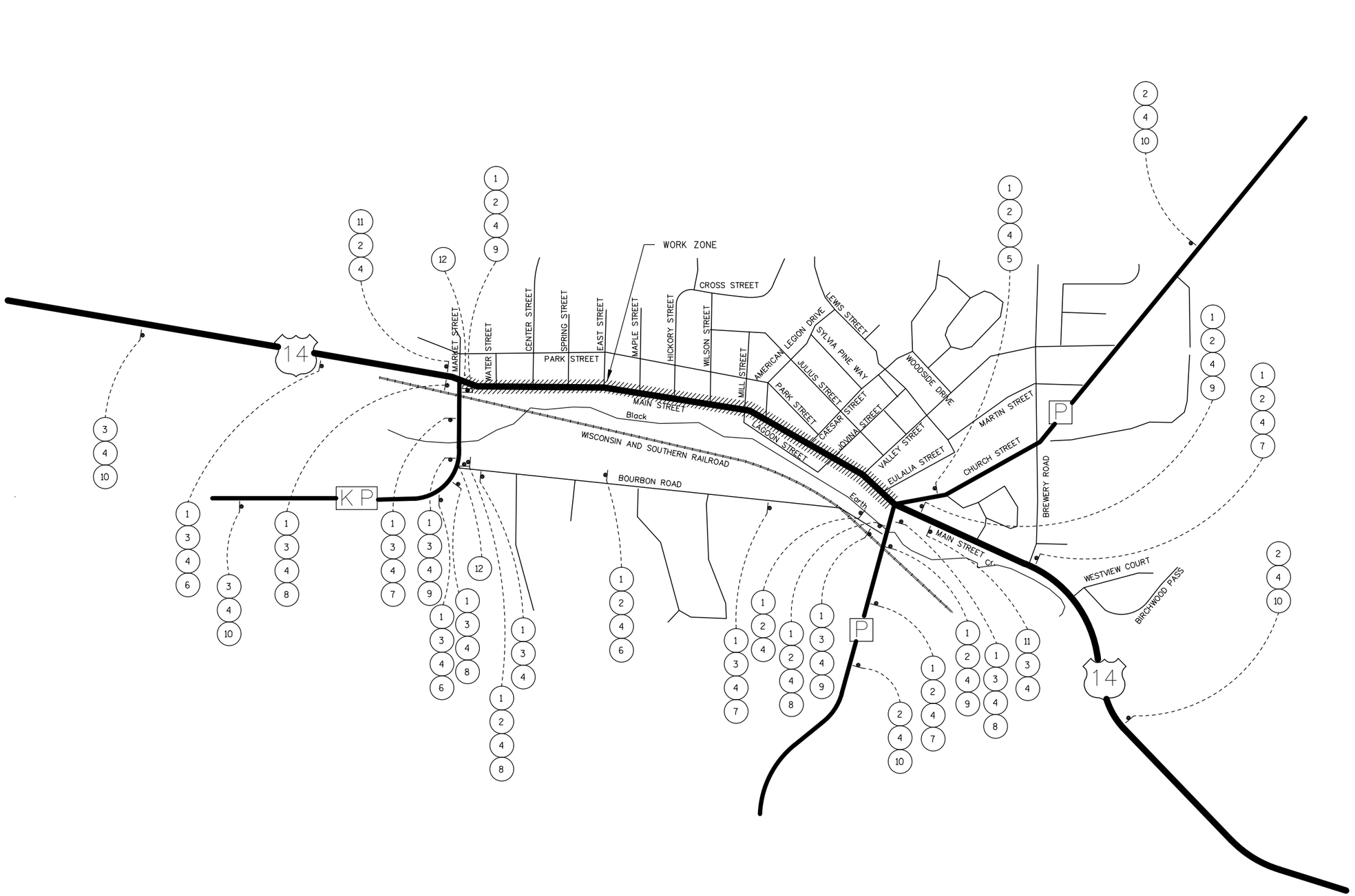
CTH P TRAFFIC DETOUR

STAGE 5 PHASE 2A(2)



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	DETOUR AND WORK ZONES STAGE 5 PHASE 2A(2)	SHEET 179	E

2



1 DETOUR
M4-8
24" X 12"

2 WEST
M3-4
24"X12"

3 EAST
M3-2
24"X12"

4 14
M1-4
24"X24"

5 ↑
M06-1
21"X21"

6 ↱
M05-1R
21"X21"

7 ↰
M05-1L
21"X21'

8 →
M06-1
21"X21"

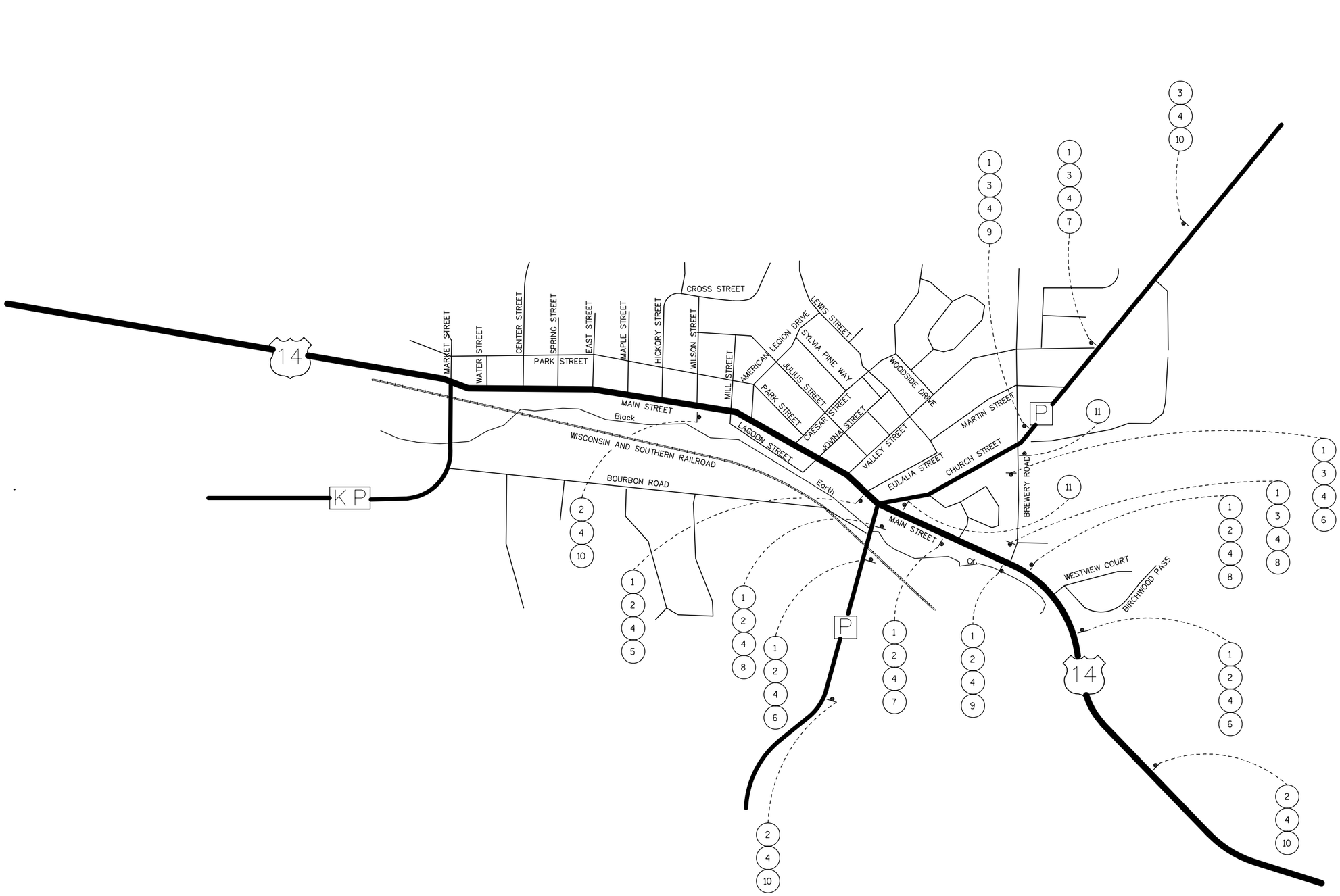
9 ←
M06-1
21"X21"

10 DETOUR AHEAD
W20-2

11 END DETOUR
M4-8A
24" X 18"

12
R9-3A
24"X24"

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	USH 14 DETOUR STAGES 1-4	SHEET 180	E



1 DETOUR
M4-8
24" X 12"

2 NORTH
M3-1
24"X12"

3 SOUTH
M3-3
24"X12"

4 COUNTY P
M1-5A
24"X24"

5
M06-1
21"X21"

6
M05-1R
21"X21"

7
M05-1L
21"X21"

8
M06-1
21"X21"

9
M06-1
21"X21"

10 DETOUR AHEAD
W20-2

11 END DETOUR
M4-8A
24" X 18"

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CTH P DETOUR STAGE 5 PHASE 2	SHEET 181	E

2



1. DETOUR M4-8 24" X 12"
2. NORTH M3-1 24"X12"
3. SOUTH M3-3 24"X12"
4. COUNTY P M1-5A 24"X24"
5. M06-1 21"X21"
6. M05-1R 21"X21"
7. M05-1L 21"X21'
8. M06-1 21"X21"
9. M06-1 21"X21"
10. DETOUR AHEAD W20-2
11. END DETOUR M4-8A 24" X 18"

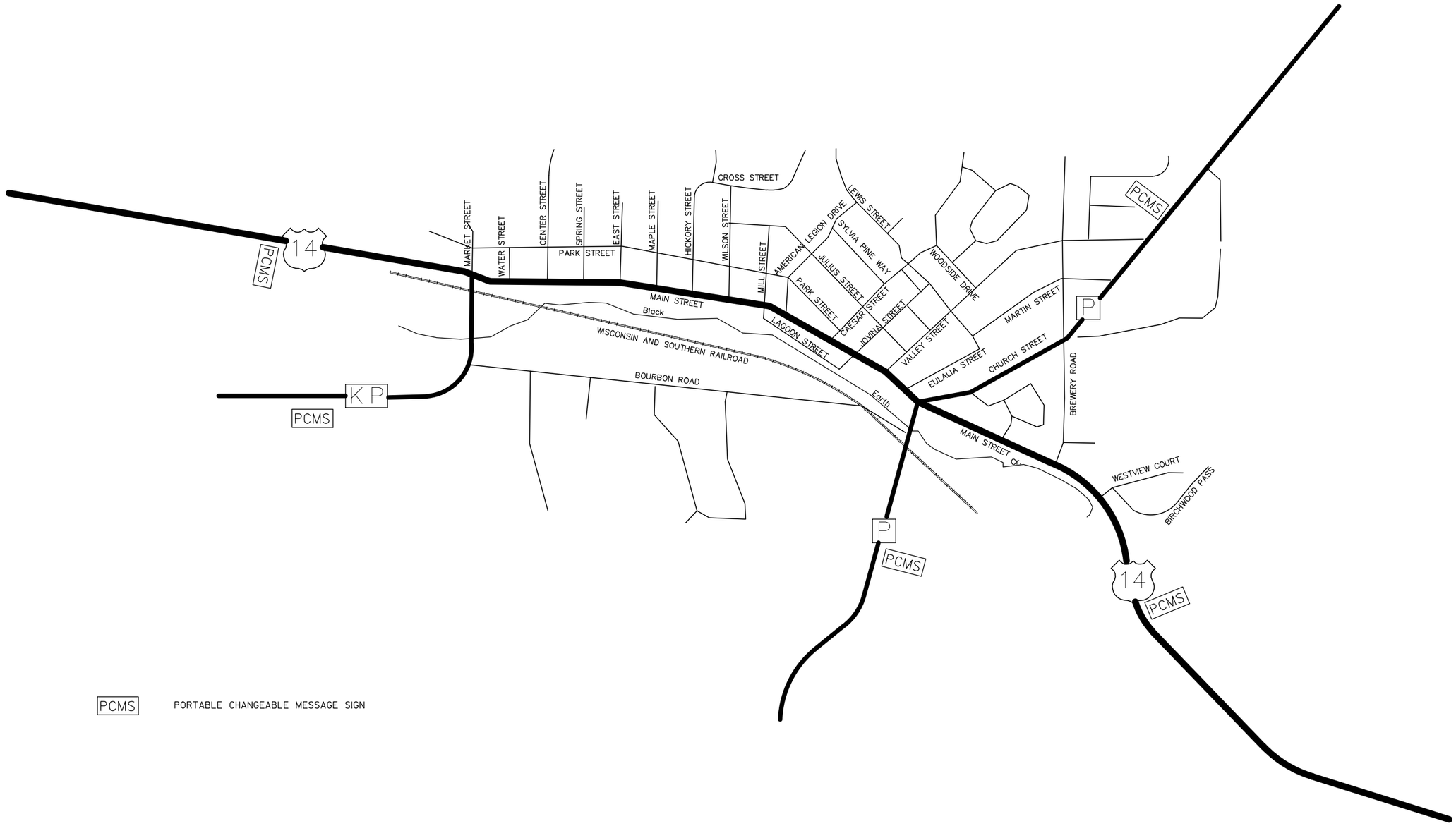
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CTH P DETOUR STAGE 5 PHASE 2A(1) & STAGE 5 PHASE 2A(2)	SHEET	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\027001_DT-CTH P_2-DETOUR SIGNS.DWG PLOT DATE : 8/27/2014 3:17 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1 IN : 4000FT

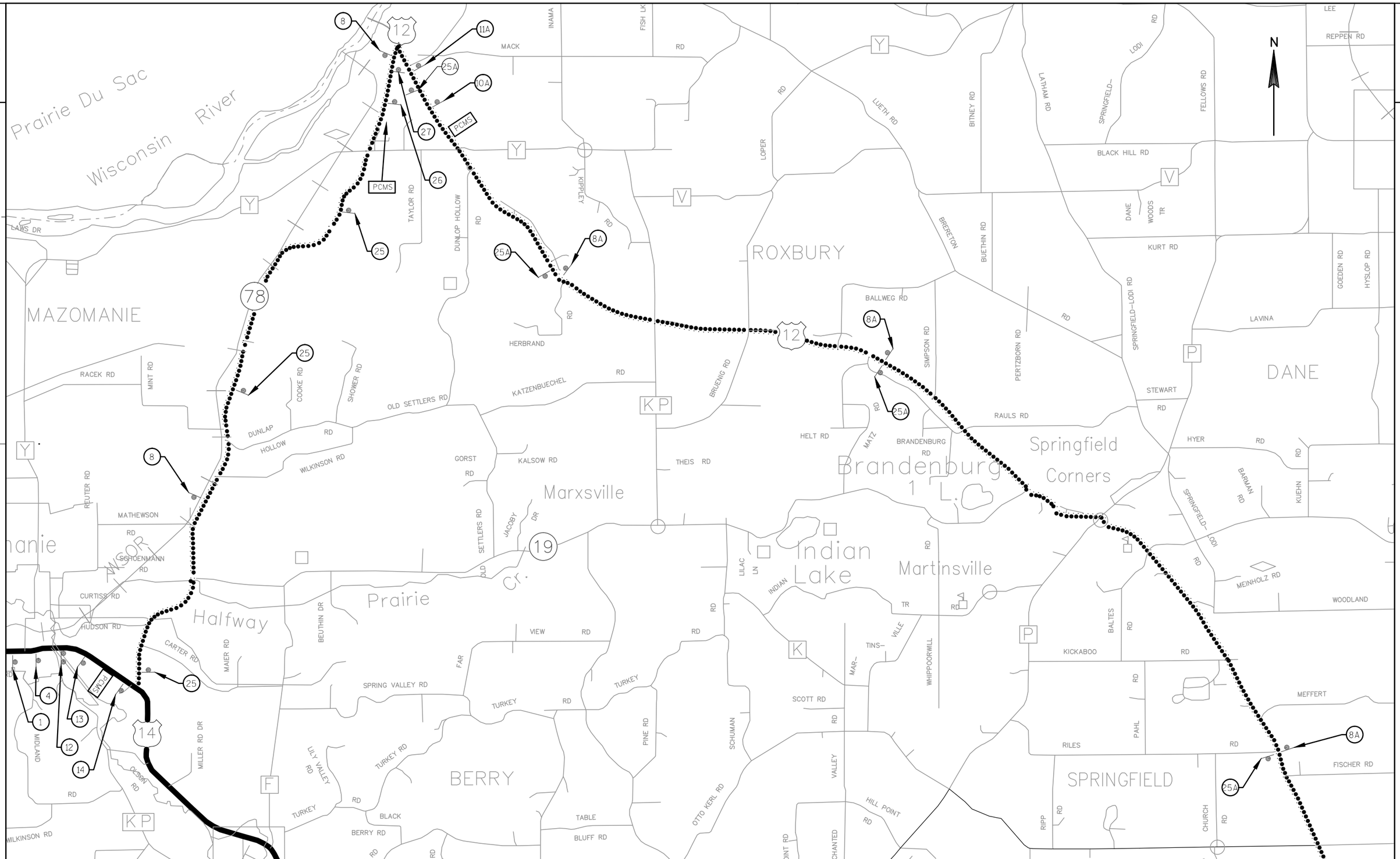
2

2

N



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PCMS LOCATIONS	SHEET 183	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	USH 14 ALTERNATE ROUTE	SHEET 184 E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\027001_DT-ALTERNATE ROUTE.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1 IN:5000 FT

WISDOT/CADDS SHEET 42

2

BERRY

SPRINGFIELD

Ashton

Middleton

Cross Plains

CROSS PLAINS

Pine Bluff

Sugar R.

Madison

Shorewood Hills

GOVERNOR NELSON STATE PARK

Pheasant Br.

Black Earth Cr.

Garfoot Cr.

L. Wingra

WSOR

PCMS

MS

TABLE BLUFF RD

OTTO KERL RD

HILL POINT RD

VALLEY RD

SCHERBEL RD

WEST BREWERY RD

N HILLPOINT RD

ENCHANTED VALLEY RD

RIPP RD

CHURCH RD

RILES RD

PAHL RD

FISCHER RD

REIS RD

WOODLAND DR

PHEASANT BRANCH

ONCKEN RD

BALZER RD

HIGH RD

VOSEN RD

SCHNEIDER RD

KOCH RD

BRONNER RD

CAPITOL VIEW RD

AIRPORT RD

ROCKY DELL RD

STAGE COACH RD

LOW RD

CLEVELAND RD

N BIRCH TRL

OLD SAUK PASS RD

OLD SAUK RD

BLACKHAWK RD

TWIN VALLEY LN

SCHEWE RD

ELDEBERRY RD

TIMBER LN

BIRCH TRL

PINE HILL RD

POINT RD

W MINERAL POINT RD

BLUFF VALLEY RD

OLD MILITARY RD

COYLE LN

PIONEER RD

S POINT RD

VALLEY VIEW RD

MAURER RD

CORAY LN

RILEY RD N

KLEVENVILLE

RILEY

MID-TOWN RD

MEADOW RD

SUGAR MAPLE LN

MOUND VIEW RD

DOMINI RD

VALLEY SPRING RD

WINDY LN

FELDER RD

ALJON

BRAUN RD

GARFOOT RD

OBSERVATORY RD

BARLOW RD

FOOT CIR

KP

P

S

J

Q

M

K

12

14

8A

25A

7

6

5

3

1

15

5A

3A

9

4

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	USH 14 ALTERNATE ROUTE	SHEET	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\027001_DT-ALTERNATE ROUTE.DWG PLOT DATE : 9/3/2008 9:36 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1 IN:5000 FT
WISDOT/CADDS SHEET 42

2



1



G20-2A
48" X 24"

2



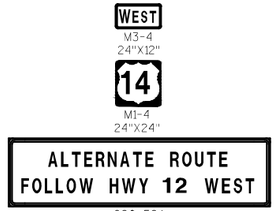
3



3A



4



G20-52A
138" X 36"

5



G20-52A
138" X 36"

5A



6



7



8



8A



9



10



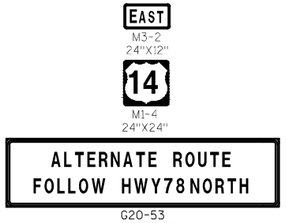
10A



11



11A



G20-53
144" X 36"

12



13



14



15



25



25A



26



27

PCMS — TRAFFIC CONTROL SIGNS PCMS (AFTER CONSTRUCTION BEGINS)

SIGN ON PERMANENT SUPPORT

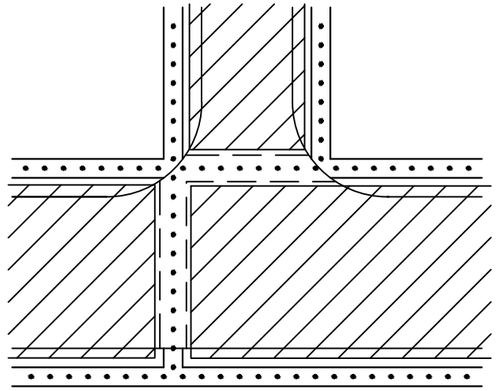
ALTERNATE ROUTE

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	USH 14 ALTERNATE ROUTE	SHEET 186	E

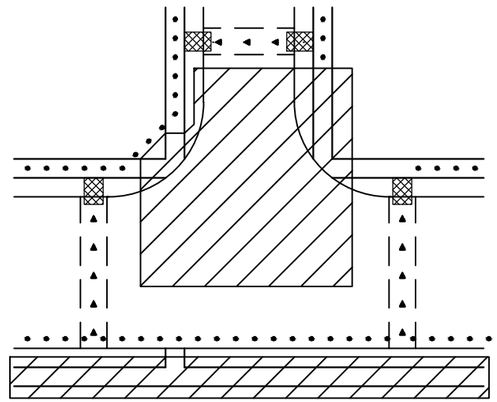
2



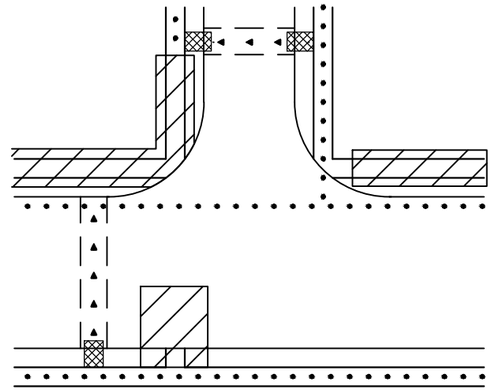
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - PEDESTRIAN ACCESS OVERVIEW	SHEET 187	E



PEDESTRIAN ACCESS
LAYOUT A



PEDESTRIAN ACCESS
LAYOUT B

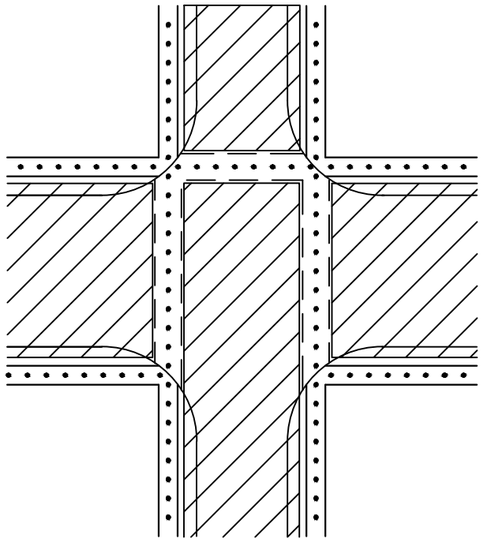


PEDESTRIAN ACCESS
LAYOUT C

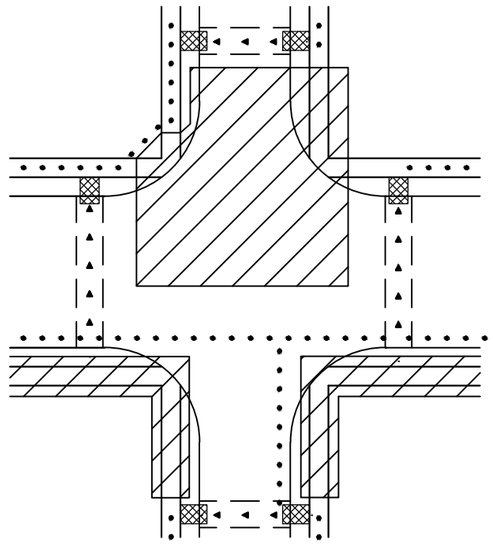
PEDESTRIAN ACCESS LAYOUTS FOR "T" INTERSECTIONS (TYP)

(WATER ST/CENTER ST/SPRING ST/MAPLE ST/HICKORY ST/MILL ST/AMERICAN LEGION DR/CAESER ST/VALLEY ST/EULALIA ST)

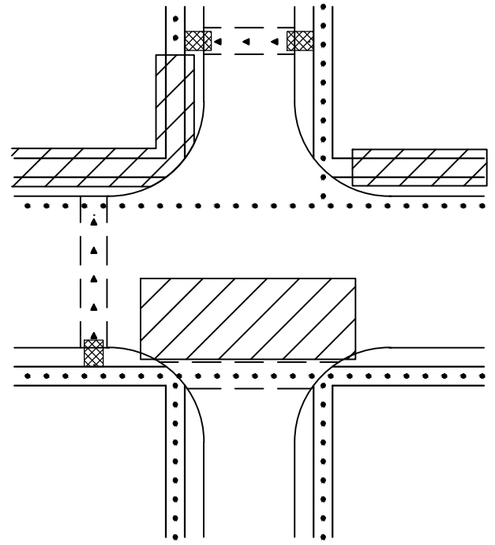
LEGEND
WORK ZONE
TEMPORARY CURB RAMP
PEDESTRIAN SAFETY BARRIER
TEMPORARY CROSSWALK
PEDESTRIAN ROUTES



PEDESTRIAN ACCESS
LAYOUT D



PEDESTRIAN ACCESS
LAYOUT E



PEDESTRIAN ACCESS
LAYOUT F

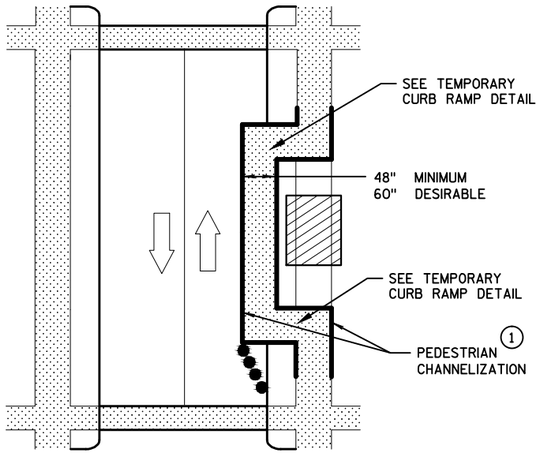
PEDESTRIAN ACCESS LAYOUTS FOR STANDARD INTERSECTIONS (TYP)

(EAST ST/WILSON ST & LAGOON ST(WEST)/JOVINA ST & LAGOON ST(EAST))

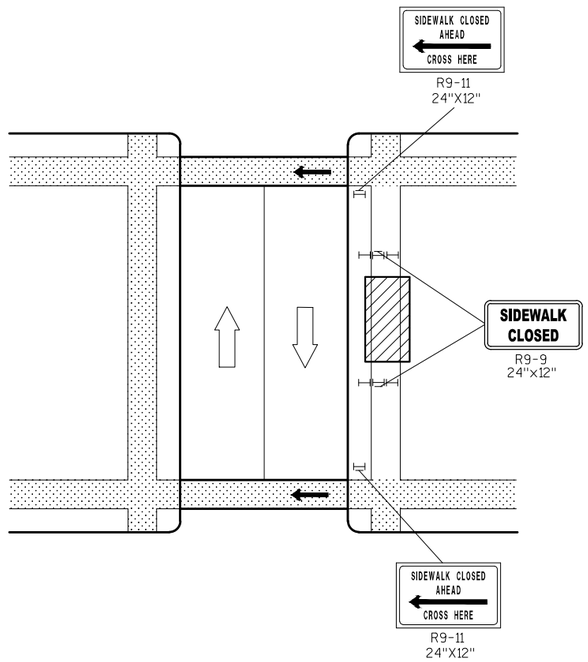
PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCESS ROUTES	SHEET 188	E

2

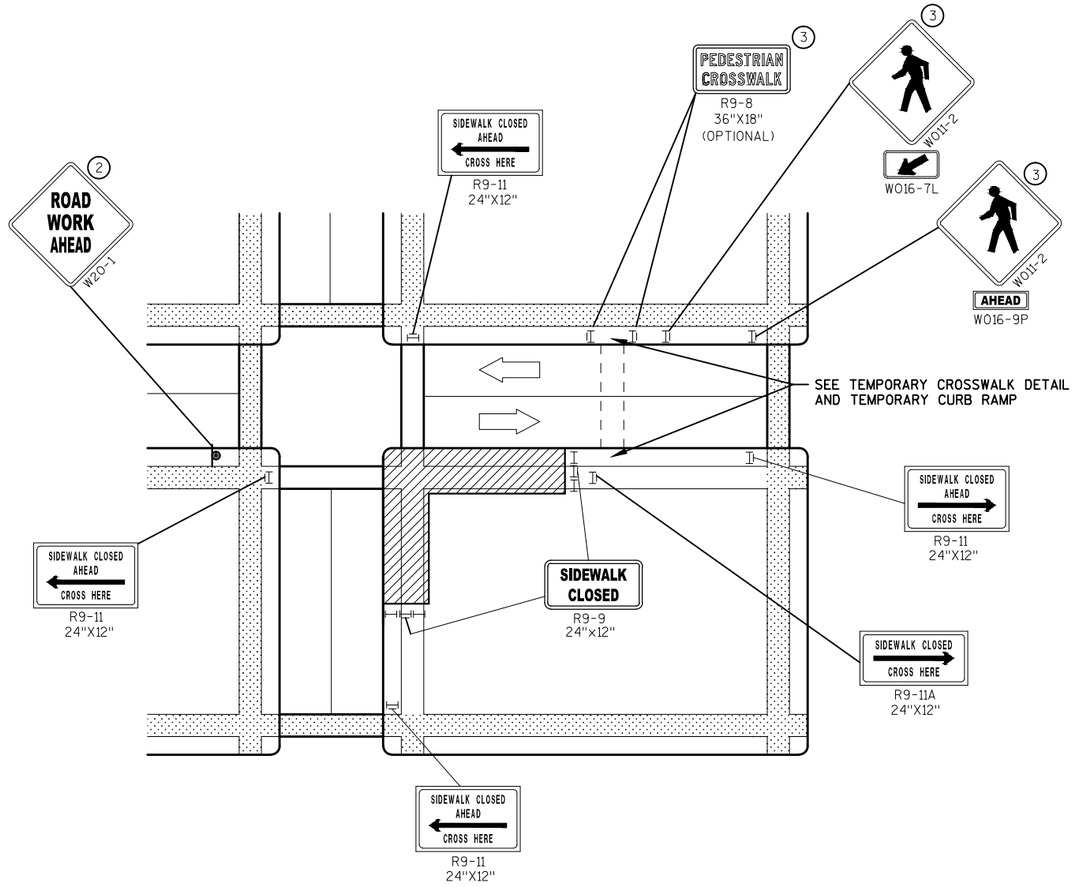
NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.



ROADWAY
SIDEWALK DIVERSION



SIDEWALK CLOSURE, MIDBLOCK



SIDEWALK CLOSURE, CORNER

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR OTHER PEDESTRIAN FACILITIES PROVIDE ADA COMPLIANT FACILITIES. INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES BY PROVIDING ADEQUATE SLOPE TRANSITIONS AND SURFACING.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

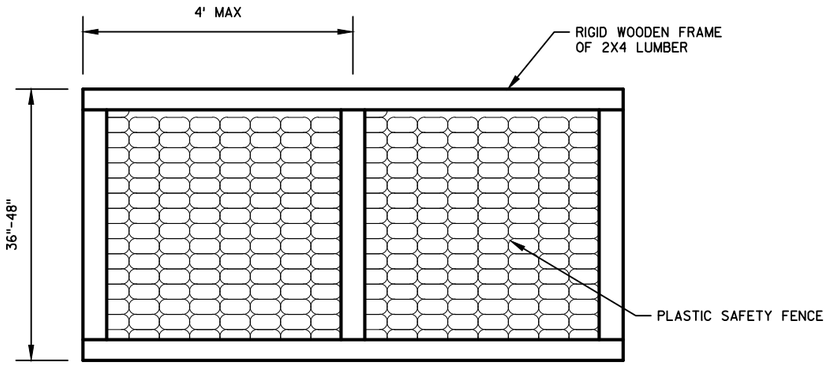
(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

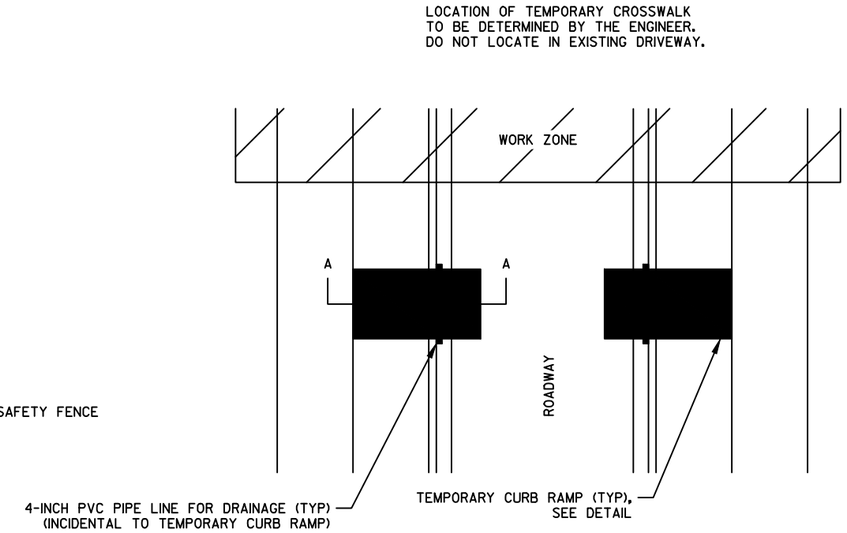
(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGNS

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE I I BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM



PEDESTRIAN SAFETY BARRIER



TEMPORARY CROSSWALK DETAIL

USED AT NON-SIGNALIZED INTERSECTIONS

TRAFFIC CONTROL GENERAL NOTES

FOR NIGHTTIME CLOSURES USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES SUPPORTING SIGNS AND CLOSING SIDEWALKS. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPERATING THE WORK AREA FROM VEHICULAR TRAFFIC.

POST MOUNTED SIGNS LOCATED NEAR OR ADJACENT TO A SIDEWALK SHALL HAVE A 7' MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK.

FOR LONG-TERM STATIONARY WORK, THE DOUBLE YELLOW CENTERLINE AND/OR LANE LINES SHOULD BE REMOVED BETWEEN CROSS WALK LINES.

A CONTINUOUS TEMPORARY PEDESTRIAN ACCESS ROUTE INCLUDING ACCESSIBLE CROSSWALKS IS REQUIRED IN THE NORTH-SOUTH AND EAST-WEST DIRECTION OF THE RECONSTRUCT AREA AT ALL TIMES.

THE TEMPORARY PEDESTRIAN ACCESS ROUTE MAY BE EXISTING OR NEW SIDEWALK, ASPHALTIC SURFACE TEMPORARY, OR OTHER HARD STABLE SURFACE APPROVED BY THE ENGINEER.

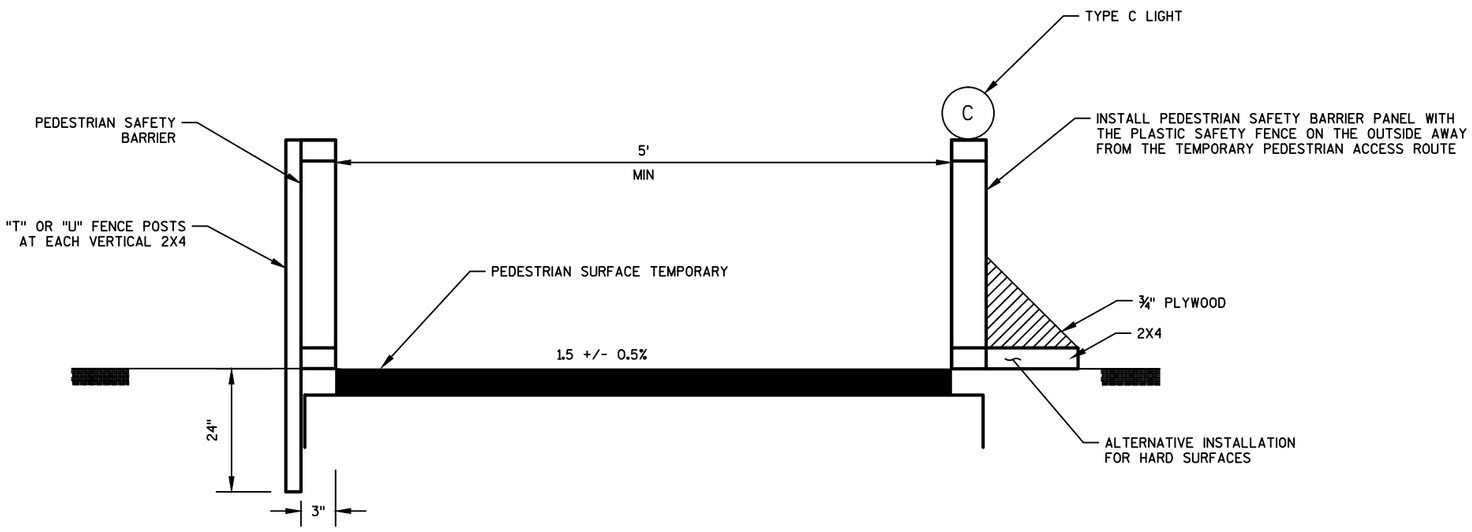
THE TEMPORARY PEDESTRIAN ACCESS ROUTE CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS ACCESS THROUGHOUT THE RECONSTRUCTION PROJECT, REFER TO THE TRAFFIC CONTROL CONSTRUCTION DETAILS, TEMPORARY PEDESTRIAN ACCESS ROUTES, AND THE CONSTRUCTION DETAILS SHOWN ON THIS SHEET.

SURFACE APPLIED DETECTABLE WARNING AND 4-INCH PVC (IF NEEDED FOR DRAINAGE) SHALL BE INCIDENTAL TO THE ITEM, TEMPORARY CURB RAMP.

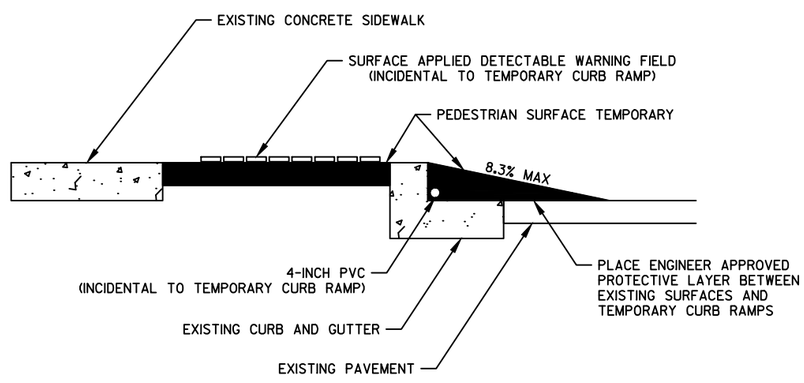
TEMPORARY PEDESTRIAN ACCESS ROUTE CROSSWALKS SHALL BE PROVIDED AT ALL TIMES FOR ONE NORTH-SOUTH AND ONE EAST-WEST LEG OF EACH INTERSECTION WORK ZONE AS SHOWN ON THE "TEMPORARY PEDESTRIAN ACCESS ROUTES DETAIL".

THE INTERSECTIONS IN THE WORK ZONE AREAS WILL PROVIDE ACCESSIBLE ACCESS BY STAGING THE CONSTRUCTION OF THE NEW CURB RAMPS TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS USING TEMPORARY PEDESTRIAN ACCESS ROUTES TO SIDEWALK ON OPPOSITE SIDES OF THE ROADWAY. SEE TRAFFIC CONTROL, SIDEWALK CLOSURE STANDARD DETAIL DRAWING FOR SIGNING OF THE TEMPORARY CROSSWALK LOCATIONS.

PEDESTRIAN SAFETY BARRIER CAN BE PLASTIC SAFETY FENCE WITH PERIMETER WOODEN FRAME OR OTHER BARRIER SYSTEM APPROVED BY THE ENGINEER.



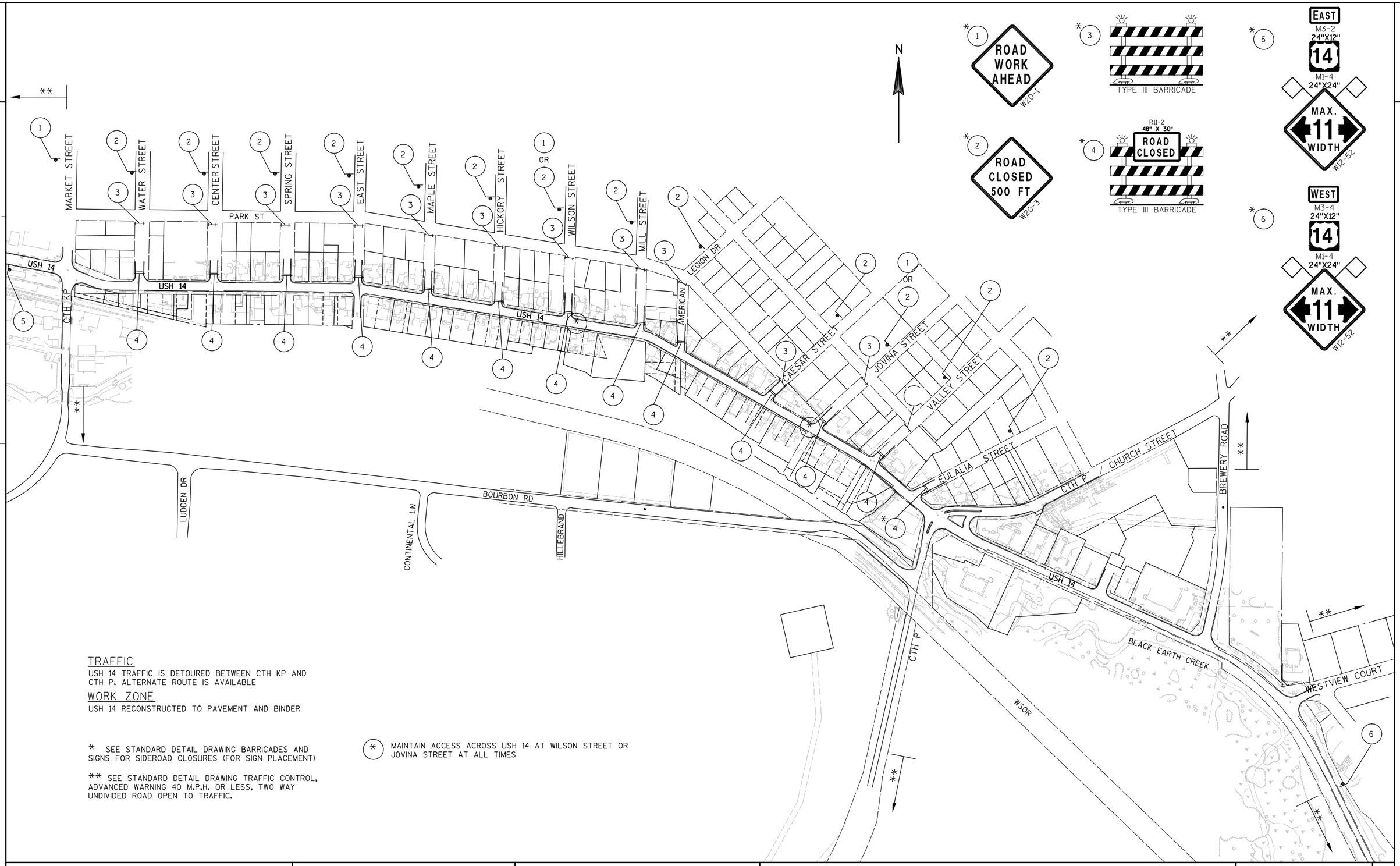
TEMPORARY PEDESTRIAN ACCESS ROUTE



SECTION A-A

TEMPORARY CURB RAMP DETAIL

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - PEDESTRIAN ACCESS DETAILS	SHEET 190	E



TRAFFIC

USH 14 TRAFFIC IS DETOURED BETWEEN CTH KP AND CTH P. ALTERNATE ROUTE IS AVAILABLE

WORK ZONE

USH 14 RECONSTRUCTED TO PAVEMENT AND BINDER

* SEE STANDARD DETAIL DRAWING BARRICADES AND SIGNS FOR SIDEROAD CLOSURES (FOR SIGN PLACEMENT)

** SEE STANDARD DETAIL DRAWING TRAFFIC CONTROL, ADVANCED WARNING 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC.

(*) MAINTAIN ACCESS ACROSS USH 14 AT WILSON STREET OR JOVINA STREET AT ALL TIMES

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL	SHEET 191	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC.DWG PLOT DATE : 8/27/2014 3:18 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42

2

ALL AMERICAN LIQUOR

WALGREENS

2575 MAIN ST

THE HAIR CHAMBER

GLACIERS EDGE SQUARE

11+50'Q'

11+00'Q'

10+00'Q'

R/W

SIGN

(2) (DBL)

REMOVE PAVEMENT MARKINGS YELLOW CENTERLINE

(1)

152+00

153+00

154+00

155+00

156+00

157+00

158+00

USH 14

12'

SAW CUT

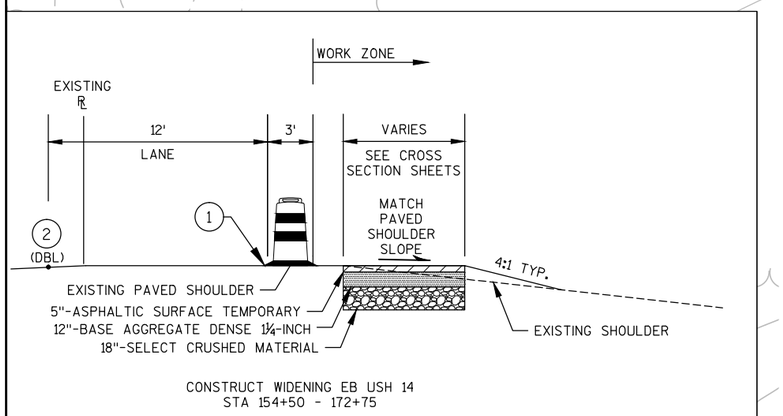
SEE SDD TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

SEE CROSS SECTIONS FOR GRADING

R11-2
48" X 30"
SHOULDER CLOSED

TYPE III BARRICADE

BLACK EARTH CREEK



CONSTRUCT WIDENING EB USH 14
STA 154+50 - 172+75

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY

TRAFFIC
USH 14 ON EXISTING LANE CONFIGURATION

WORK ZONE
CONSTRUCT RIGHT SHOULDER FOR TEMPORARY WIDENING

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1	SHEET 192	E

2

2

VALLEY HOME CEMETERY

CEMETERY

BREWERY ROAD

11+00RT

TLE

R/W

SIGN

INL

MH

2 (DBL)

1

158+00

159+00

160+00

161+00

162+00

163+00

164+00

25'

50'

USH 14

12'

12'

REMOVE PAVEMENT MARKINGS WHITE EDGE LINE, DASHED WHITE AND YELLOW CENTERLINE

SEE CROSS SECTIONS FOR GRADING

BLACK EARTH CREEK

SEE CROSS SECTIONS FOR GRADING

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1	SHEET 193	E

2

2

WESTVIEW COURT

11+00'S'

R/W

R/W

R/W

INL

INL

INL

MH

REMOVE PAVEMENT MARKINGS
WHITE EDGE LINE, DASHED WHITE
AND YELLOW CENTERLINE

1

2
(DBL)

2
(DBL)

164+00

165+00

166+00

167+00

168+00

169+00

170+00

USH 14

12'

12'

50'

25'

SEE CROSS SECTIONS
FOR GRADING

BLACK EARTH CREEK

N

LEGEND

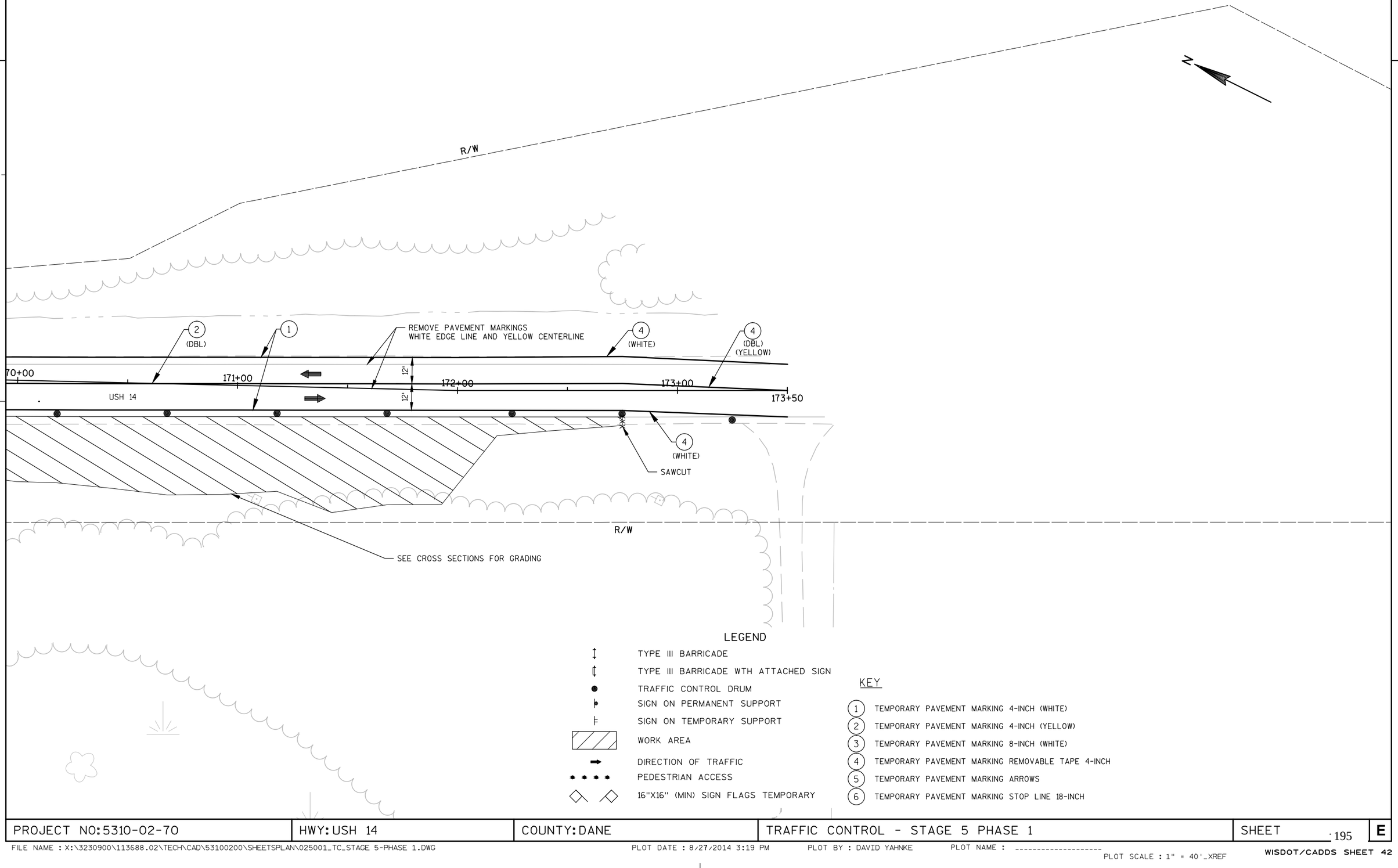
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1	SHEET 194	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1	SHEET	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC_STAGE 5-PHASE 1.DWG
PLOT DATE : 8/27/2014 3:19 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

2

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

CULVER'S
2523 MAIN ST

CROSS PLAINS FAMILY CHIROPRACTOR
US CELLULAR
2525-2531 MAIN ST

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

CHURCH STREET
17+00'P'
16+76.61'P'
PC: 16+28.42'P'
16+00'P'
PI: 15+54.44'P'
15+00'P'
PI: 14+57.28'P'
14+00'P'
PC: 13+14.96'P'
13+00'P'
CTH P
R/W
TLE
SIGN
INL
MH
146+00
147+00
148+00
149+00
150+00
151+00
152+00
REMOVE PAVEMENT MARKINGS WORDS AND SYMBOLS
REMOVE PAVEMENT MARKINGS YELLOW CENTERLINE
SAWCUT
USH 14
(DBL)
(WHITE)
+86.33' -30.72'
+87.90' -18.83'
+51.95' -43.29'
+80.71' -26.00'
+80.82' -14.00'
12'
24'
FILLER CAPS

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

KWIK TRIP
2508 MAIN ST

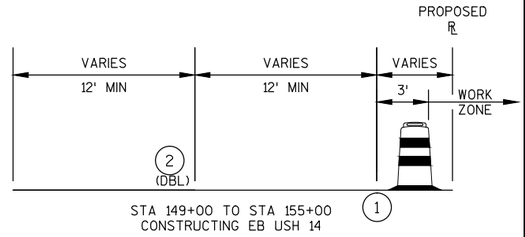
TRAFFIC

USH 14 ON EXISTING AND WIDENED TEMPORARY PAVEMENT
BREWERY ROAD ACCESS IS CLOSED

WORK ZONE

CONSTRUCT USH 14 EB FROM STA 149+00 TO 157+00
CONSTRUCT USH 14 WB FROM STA 156+00 TO 172+00

- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- TEMPORARY CURB RAMP



STA 149+00 TO STA 155+00
CONSTRUCTING EB USH 14

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1A	SHEET 196	E

2

2

ALL AMERICAN LIQUOR

GLACIERS EDGE PLAZA

THE HAIR CHAMBER

WALGREENS

2575 MAIN ST

N

W01-4R

REMOVE PAVEMENT MARKINGS YELLOW CENTERLINE

TLE

R/W

SIGN

MH

INL

SAWCUT

(DBL)

+67.04', -29.21'

+66.09', -11.24'

+22.70', -22.95'

+30.36', -10.84'

+98.87', -3.13'

+96.69', 8.70'

+99.14', 17.00'

+00.17', 5.00'

+98.12', 29.00'

12'

11+50'0'

11+00'0'

10+00'0'

152+00

153+00

154+00

155+00

156+00

157+00

158+00

USH 14

REMOVE PAVEMENT MARKINGS WHITE EDGE LINE AND YELLOW CENTER LINE

SAWCUT

WDNR

BLACK EARTH CREEK

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY

- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB WALK

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1A	SHEET 197	E

2

SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

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

W01-4R
25
M.P.H.
W013-1
18"X18"

VALLEY HOME CEMETERY

N

12+00R

11+00R

BREWERY ROAD

TLE

R/W

158+00

159+00

160+00

161+00

162+00

163+00

164+00

25'

12'

12'

1

2
(DBL)

USH 14

REMOVING PAVEMENT MARKING
YELLOW CENTER LINE
WHITE EDGE LINE

R3-1
24"X24"

R3-2
24"X24"

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

WDNR

BLACK EARTH CREEK

PROPOSED
℄

VARIES

WORK ZONE

3'

12'
LANE

12'
LANE

1

2
(DBL)

1

STA 157+00 TO STA 170+00
CONTRUCTING WB USH 14

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB WALK

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1A	SHEET 198	E

2

*LOCAL ACCESS MUST BE MAINTAINED FOR WESTVIEW COURT AT ALL TIMES

N

WESTVIEW COURT

11+00'S'

12'

R/W

164+00

165+00

166+00

167+00

168+00

169+00

170+00

1

2 (DBL)

USH 14

12'

12'

REMOVE PAVEMENT MARKINGS
WHITE EDGE LINES AND
YELLOW CENTERLINE

REMOVING PAVEMENT MARKING
YELLOW CENTER LINE
WHITE EDGE LINE
TURN LANE SKIPS

STOP

R1-1
30"X30"

BLACK EARTH CREEK

LEGEND

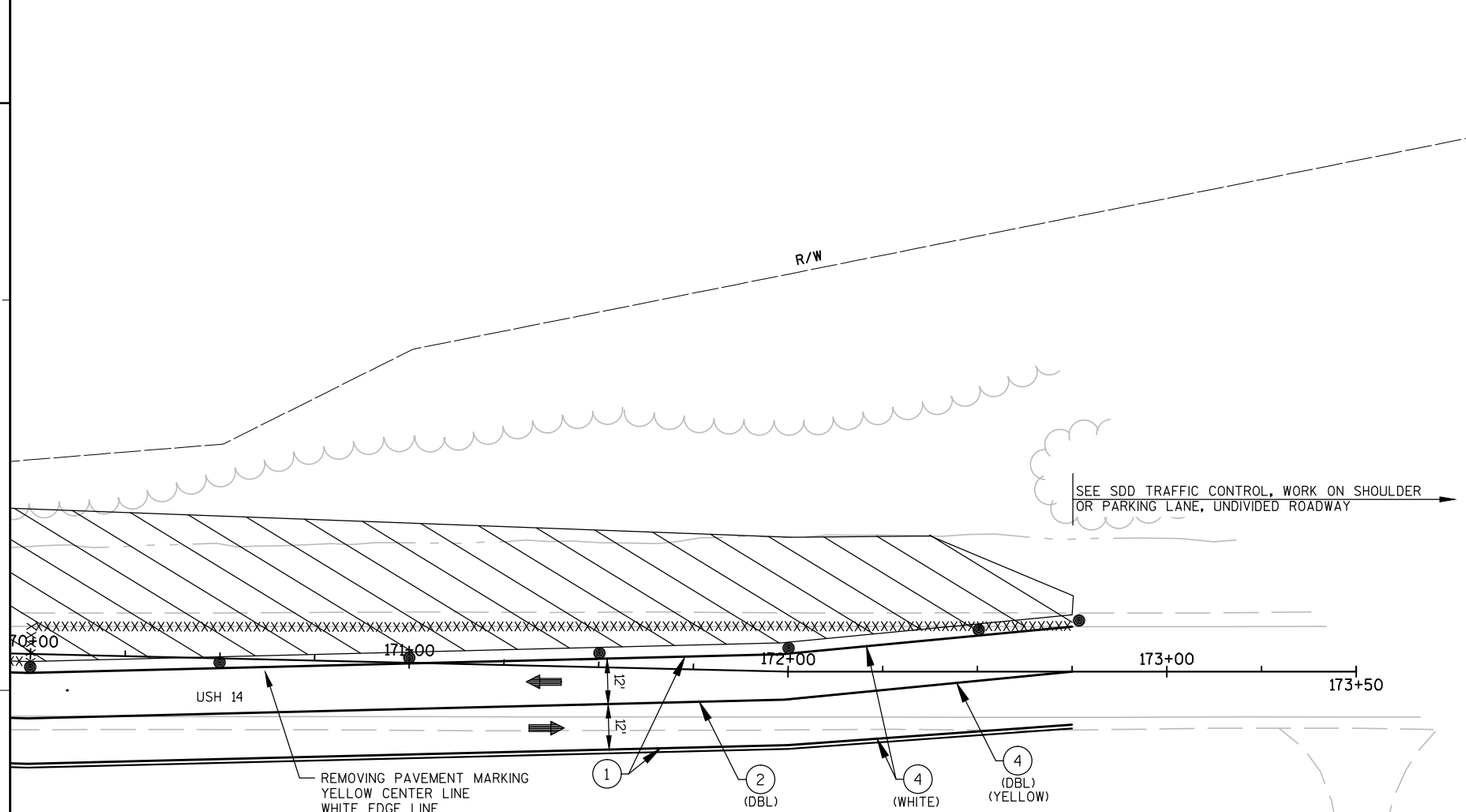
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB WALK

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1A	SHEET 199	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB WALK

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 1A	SHEET 200	E

2204 EULALIA ST

MAINTAIN VEHICLE ACCESS
TO HOME AT ALL TIMES

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

SAWCUT

CHURCH STREET

CULVER'S
2523 MAIN ST

CROSS PLAINS FAMILY
CHIROPRACTOR

US CELLULAR

2525-2531 MAIN ST

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

W01-6
48" X 24"

W01-6
48" X 24"

W01-1R

W01-1L

CTH P

USH 14

TLE

R/W

146+00
147+00
148+00
149+00
150+00
151+00
152+00
15+00 PI
14+00 PI
16+00 PI
17+00 PI
18+00 PI
20 PI

14'
13'

(DBL)
(YELLOW)

(DBL)

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

TRAFFIC

USH 14 ON NEW CONSTRUCTION FROM PHASE 1A
CTH P DETOURED ON BREWERY ROAD

WORK ZONE

CONSTRUCT USH 14 WB FROM STA 146+00 TO 156+00
CONSTRUCT USH 14 EB FROM STA 156+00 TO 172+00
CONSTRUCT CTH P NORTH

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

KWIK TRIP
2508 MAIN ST

PROPOSED
℄

WORK ZONE | 3' | 12' LANE | 12' LANE

2 (DBL) 4 (DBL) | 1 OR 4

STA 147+00 TO STA 157+00
CONTRUCTING WB USH 14

PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2	SHEET 201	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC_STAGE 5-PHASE 2.DWG
PLOT DATE : 11/21/2014 3:24 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF

ROSSWALK
ENCE
N ACCESS (1)
N ACCESS (2)
P

ALL AMERICAN LIQUOR

GLACIERS EDGE SQUARE

11+50'0'
11+00'0'
10+00'0'

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

THE HAIR CHAMBER

R3-1
24"X24"

WALGREENS
2575 MAIN ST

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

TLE
R/W
SIGN
MH
INL

50'
25'
152+00
153+00
154+00
155+00
156+00
157+00
158+00

DO NOT CONSTRUCT MEDIAN ISLAND IN THIS STAGE.

USH 14

12'
12'

1
2 (DBL)
4 WHITE
4 (DBL) (YELLOW)

REMOVING PAVEMENT MARKINGS

REMOVE PAVEMENT MARKINGS WHITE LANE EDGES AND YELLOW CENTERLINE

R3-2
24"X24"

W01-4L

WDNR

BLACK EARTH CREEK

LEGEND

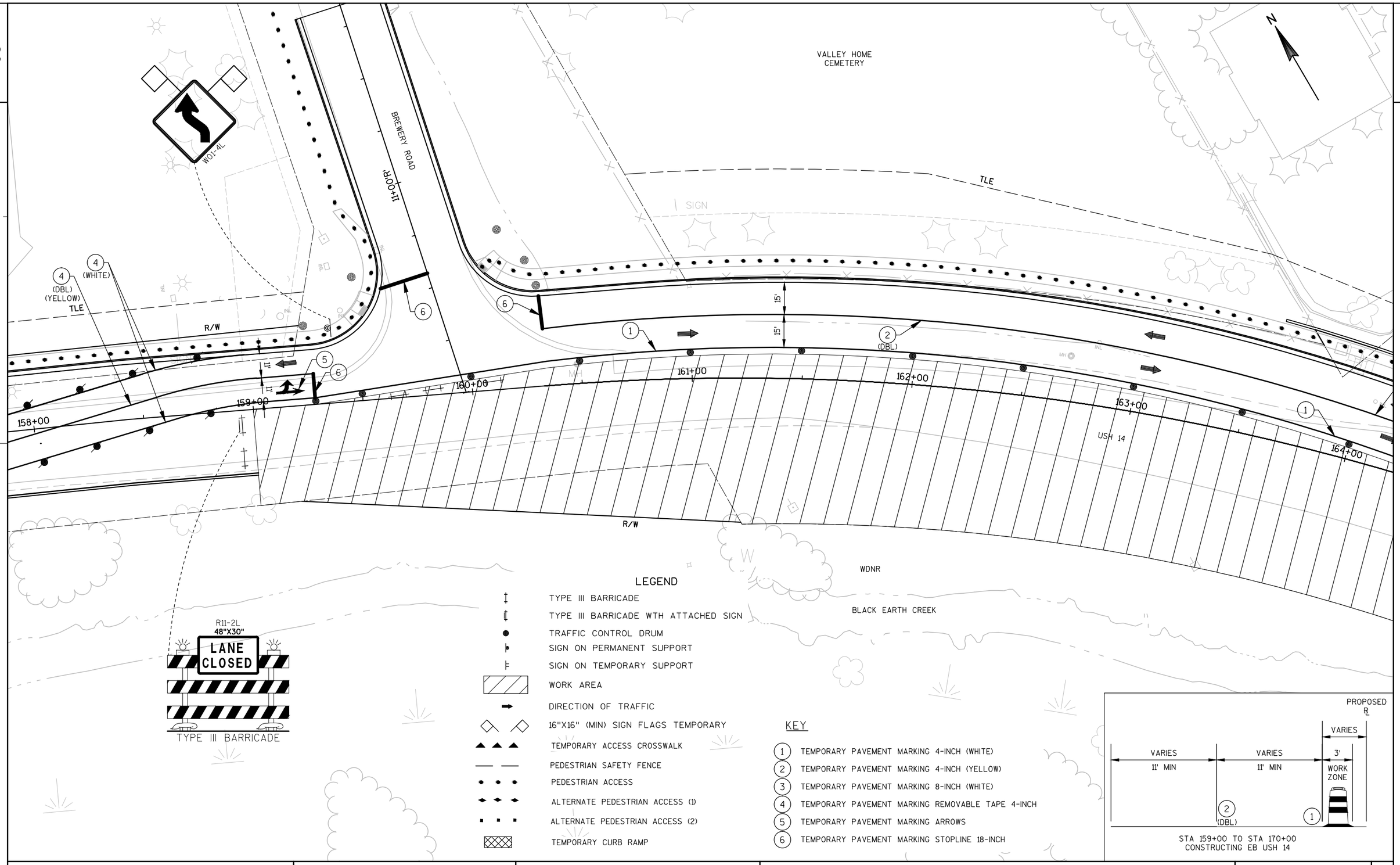
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2	SHEET 202	E

2



R11-2L
48"X30"
LANE CLOSED

TYPE III BARRICADE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

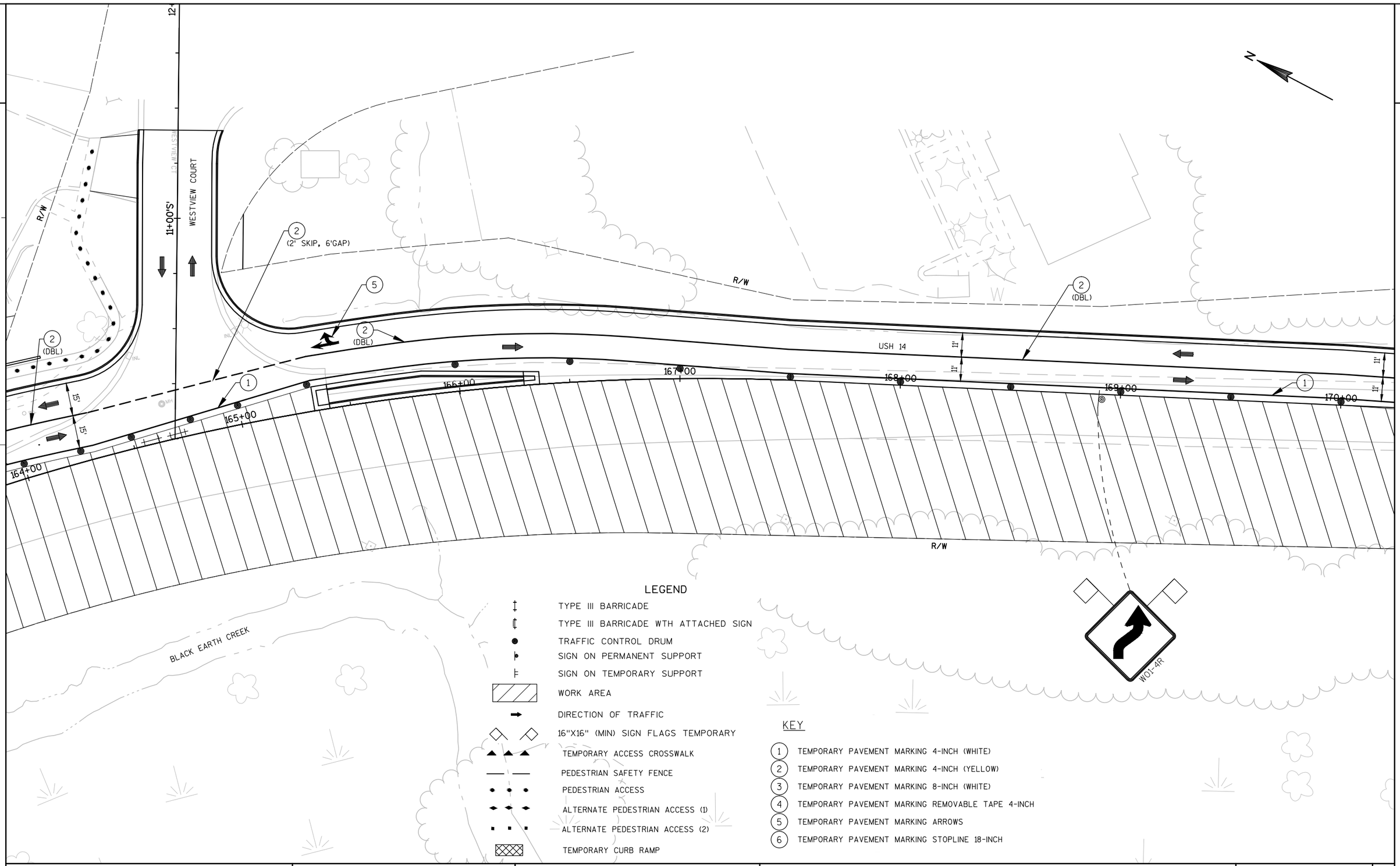
KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

STA 159+00 TO STA 170+00
CONSTRUCTING EB USH 14

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2	SHEET 203	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

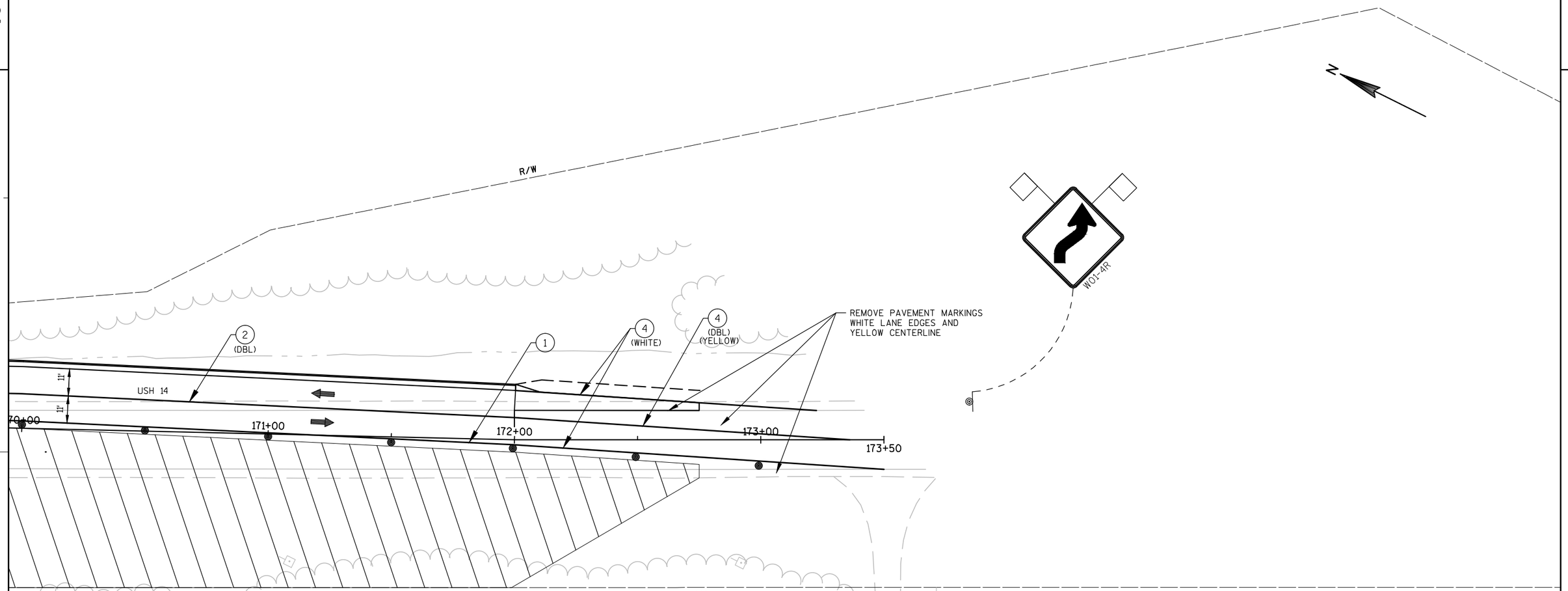
KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2	SHEET 204	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC_STAGE 5-PHASE 2.DWG
PLOT DATE : 8/27/2014 3:22 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2	SHEET 205	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

WEAVER -GRUBER PARTNERSHIP
2223 MAIN ST

M. BROSAMLE
2215 MAIN ST

JAY D MORETTI
2305 MAIN ST

WAGNER
2201 EULALIA ST

COTTAGE FLORAL
2204 EULALIA

11+58'M'
VALLEY STREET
11+00'M'
11+50'N'
EULALIA STREET
11+00'N'

N

SIGN
R/W
TLE
USH 14

140+00
141+00
142+00
143+00
144+00
145+00
146+00

4 (WHITE)

ARROW BOARD

SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

M. ACKER
2304 MAIN ST

MARK C AND BETTY ANDREAS MIELKE
2222 MAIN ST

MARK MIELKE
2210-2208 MAIN ST

MARK MIELKE
2202-2208 MAIN ST

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

R3-1
24"X24"

PAUL L. KALSCHEUR
AND
PATRICIA C. KALSCHEUR - TRUSTEES OF THE
PAUL AND PATRICIA KALSCHEUR
2404 MAIN ST

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

TRAFFIC

USH 14 ON NEW CONSTRUCTION
CTH P IS DETOURED

WORK ZONE

REMAINING USH 14/CTH P INTERSECTION PAVING

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(1)	SHEET 206	E

2

2

CUTTAGE FLORAL

2204 EULALIA ST

ONLY
R3-50L
30"X36"

ONLY
R3-50R
30"X36"

W12-1D
24"X24"

18+00'P'

17+00'P'

CHURCH STREET

R/W

CULVER'S

2523 MAIN ST

CROSS PLAINS FAMILY CHIROPRACTOR

US CELLULAR

2525-2531 MAIN ST

BUCHANAN EULALIA ST

TLE

R/W

16+00'P'

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

JAMES & JUDITH NONN LIVING TRUST

2523 MAIN ST

BRUNSELL PROPERTIES LLC

2525-2531 MAIN ST

TLE

R/W

146+00

147+00

15+00'P'

148+00

149+00

150+00

151+00

152+00

USH 14

3

2

1

(12.5' SKIPS, 37.5' GAP)

1

R/W

CTH P

14+00'P'

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

FILLER CAPS

R3-2
24"X24"

KWIK TRIP

2508 MAIN ST

TLE

REMOVE PAVEMENT MARKINGS YELLOW CENTERLINE

ISADORE A & ADELINE H BUECHNER REVOCABLE TRUST

2532 MAIN ST

W24-1L

25
M.P.H.

W013-1
24" X 24"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(1)	SHEET 207	E

2

2

STATE BANK OF CROSS PLAINS
2535 MAIN ST

ALL AMERICAN LIQUOR

JUDITH A SONNEMANN
2543 MAIN ST

GLACIERS EDGE PLAZA

THE HAIR CHAMBER
THE HAIR CHAMBER

CARYL M ZANDER
2563 MAIN ST

WALGREENS
2575 MAIN ST

JAMES P DOWD &
ANNETTE C DOWD
R/W 2575 MAIN ST

BUECHNER REV TRUST
2532 MAIN ST

TLE
R/W
SIGN
MH
W

11+50'Q'
11+00'Q'
10+00'Q'

11'
11'

(12.5' SKIP, 37.5' GAP)
(DBL) (YELLOW)
(DBL)
(WHITE)

152+00
153+00
154+00
155+00
156+00
157+00
158+00

USH 14

REMOVE PAVEMENT MARKINGS
WHITE LANE EDGE AND
YELLOW CENTERLINE

REMOVE PAVEMENT MARKINGS
WHITE LANE EDGE

W24-1L

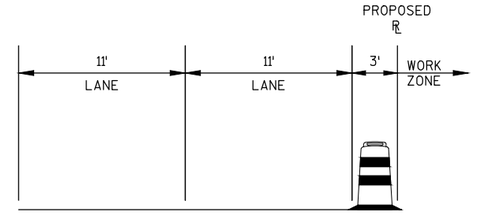
TYPE III BARRICADE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH



STA 155+50 TO 159+00
CONSTRUCTION EB USH 14

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(1)	SHEET 208	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC_STAGE 5-PHASE 2A(1).DWG
PLOT DATE : 8/27/2014 3:24 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 42

2

VALLEY HOME
CEMETERY

N

BREWERY ROAD

11+00RR

TLE

SIGN

R/W

REMOVE PAVEMENT MARKINGS
WHITE LANE EDGE AND
YELLOW CENTERLINE

(2) (DBL)

(2) (2" SKIP, 6'GAP)

REMOVE PAVEMENT MARKINGS
WHITE LANE EDGE AND
YELLOW CENTERLINE

(1) (12.5' SKIP, 37.5' GAP)

(2) (3) (5)

15'

15'

11'

11'

158+00

159+00

160+00

161+00

162+00

163+00

164+00

USH 14

R/W

R11-2L
48"X30"
LANE
CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(1)	SHEET 209	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC_STAGE 5-PHASE 2A(1).DWG
PLOT DATE : 8/27/2014 3:24 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : ----------
PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 42

2

2

WESTVIEW COURT

11+00'S'

R/W

REMOVE PAVEMENT MARKINGS
WHITE DASHED AND LANE EDGE

REMOVE PAVEMENT MARKINGS
WHITE LANE EDGE AND
YELLOW CENTERLINE

USH 14

11'
14'
12'

164+00
165+00
166+00
167+00
168+00
169+00
170+00

(1) (2) (2) (DBL)

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

TYPE III BARRICADE

BLACK EARTH CREEK

R/W

LEGEND

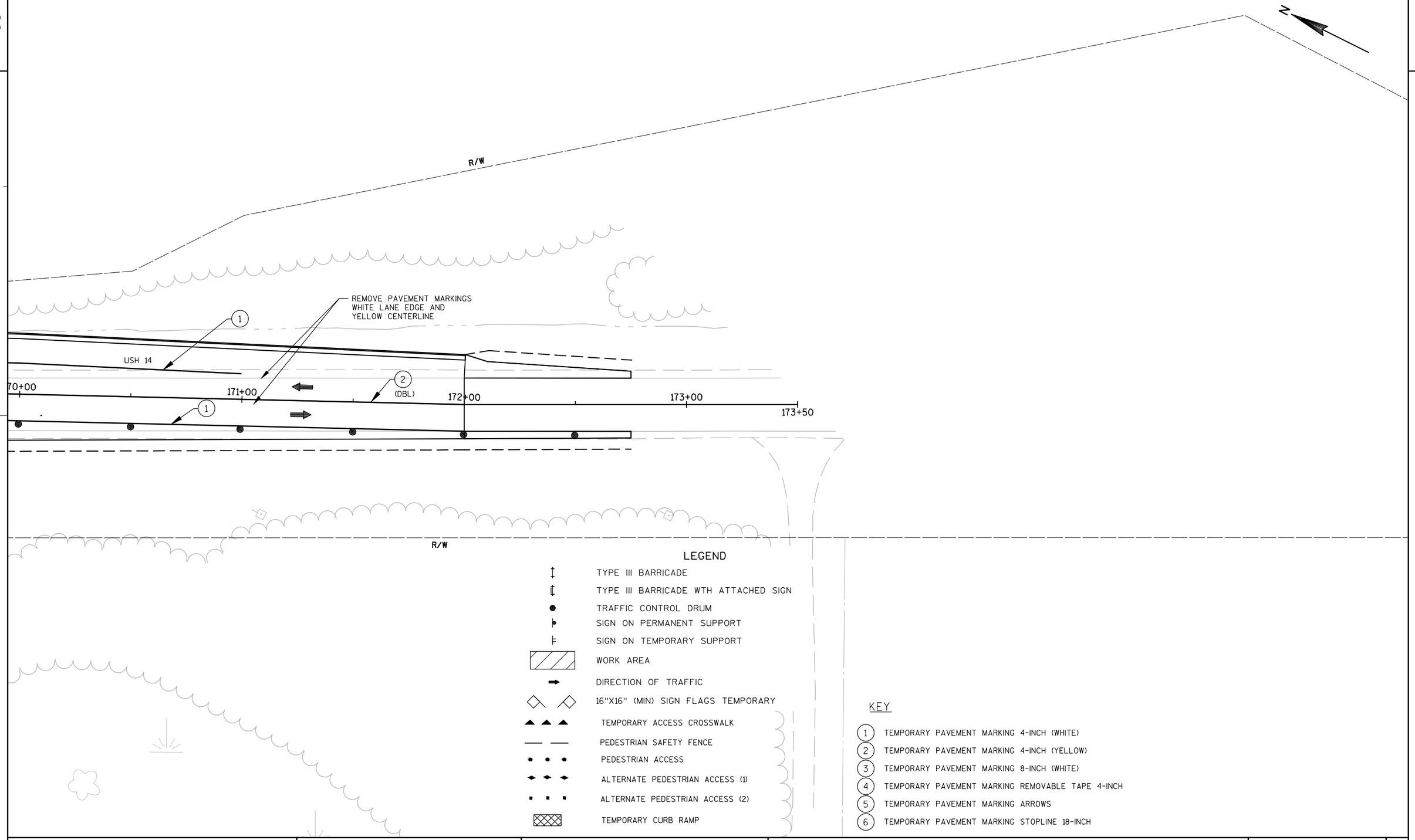
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB RAMP

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOPLINE 18-INCH

PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(1)	SHEET 210	E

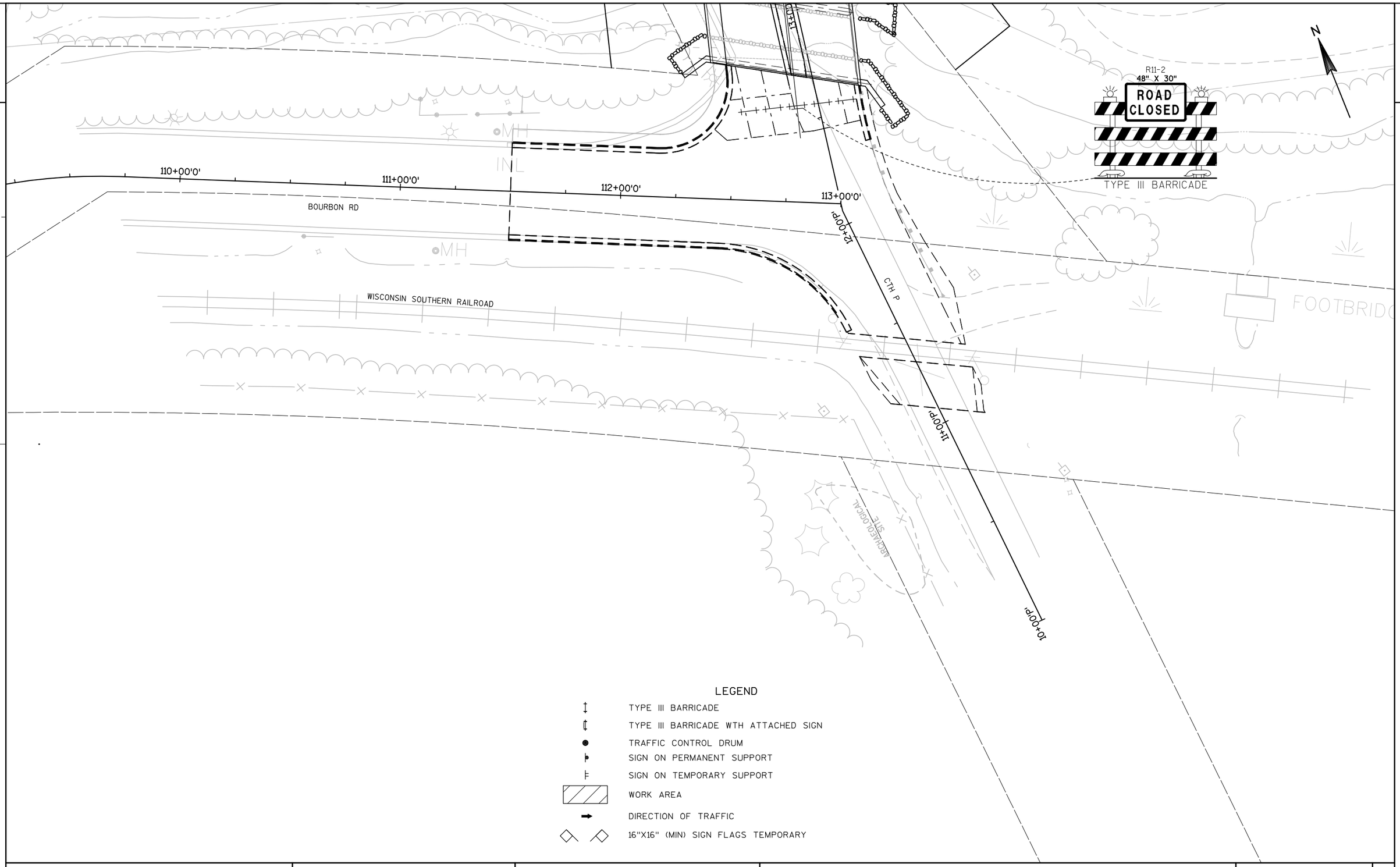
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PROJECT NO:5310-02-70	HWY:USH 14	COUNTY:DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(1)	SHEET 211	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC_STAGE 5-PHASE 2A(1).DWG PLOT DATE : 8/27/2014 3:24 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1"=40'_XREF

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(1)	SHEET 212	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC_STAGE 5-PHASE 2A(1).DWG
PLOT DATE : 8/27/2014 3:24 PM
PLOT BY : DAVID YAHNKE
PLOT NAME : _____
PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 42

2

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

WEAVER -GRUBER PARTNERSHIP
2223 MAIN ST

M. BROSAMLE
2215 MAIN ST

JAY D MORETTI
2305 MAIN ST

WAGNER
2201 EULALIA ST

COTTAGE FLORAL
2204 EULALIA

EULALIA STREET

VALLEY STREET

11+58'W

11+00'W

11+50'W

11+00'N

R3-2
24"X24"

TYPE III BARRICADE

SIGN

R/W

TLE

USH 14

140+00

141+00

142+00

143+00

144+00

145+00

146+00

SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

MARK C AND
BETTY ANDREAS
MIELKE
2222 MAIN ST

M. ACKER
2304 MAIN ST

MARK MIELKE
2210-2208 MAIN ST

MARK MIELKE
2202-2208 MAIN ST

R11-2
48" X 30"

LANE CLOSED

TYPE III BARRICADE

PAUL L. KALSCHEUR
AND
PATRICIA C. KALSCHEUR - TRUSTEES OF THE
PAUL AND PATRICIA KALSCHEUR
2404 MAIN ST

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB WALK

TRAFFIC
USH 14 ON NEW CONSTRUCTION
CTH P IS DETOURED

WORK ZONE
REMAINING USH 14/CTH P INTERSECTION PAVING

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(2)	SHEET 213	E

2

2204 EULALIA ST

R3-2
24"X24"
TYPE III BARRICADE

BUCHANAN
EULALIA ST

STOP
R1-1
30" X 30"

R/W
TLE

CHURCH STREET

17+00'P'

16+00'P'

18+00'P'

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

CULVER'S
2523 MAIN ST

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

R3-2
24"X24"
TYPE III BARRICADE

CROSS PLAINS FAMILY CHIROPRACTOR

US CELLULAR

2525-2531 MAIN ST

JAMES & JUDITH NONN LIVING TRUST
2523 MAIN ST

BRUNSELL PROPERTIES LLC
2525-2531 MAIN ST

N

USH 14

146+00
147+00
148+00
149+00
150+00
151+00
152+00

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

STOP
R1-1
30" X 30"

CTH P
14+00'P'

R3-53R
48" X 24"
RIGHT TURN ONLY
TYPE III BARRICADE

FILLER CAPS

KWIK TRIP
2508 MAIN ST

HI-WAY SERVICE GARAGE INC
2524 MAIN ST

ISADORE A & ADELINE H BUECHNER REVOCABLE TRUST
2532 MAIN ST

NOTE: SEE CTH P DETOUR STAGE 5 PHASE 2A(1) AND PHASE 2A(2) FOR SIGN PLACEMENT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB WALK

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(2)	SHEET 214	E

2

2

STATE BANK OF CROSS PLAINS
2535 MAIN ST

ALL AMERICAN LIQUOR

JUDITH A SONNEMANN
2543 MAIN ST

BUECHNER REV TRUST
2532 MAIN ST

GLACIERS EDGE PLAZA

THE HAIR CHAMBER
THE HAIR CHAMBER

CARYL M ZANDER
2563 MAIN ST

WALGREENS
2575 MAIN ST

JAMES P DOWD &
ANNETTE C DOWD
2575 MAIN ST

11+50'Q'
11+00'Q'
10+00'Q'

152+00
153+00
154+00
155+00
156+00
157+00
158+00

TLE
R/W
SIGN
MH
USH 14

REMOVE PAVEMENT MARKINGS
WHITE LINE EDGE AND
YELLOW CENTERLINE

CONSTRUCT MEDIAN ISLAND THIS PHASE

BEGIN LEFT TURN LANE
R3-20-LL
24"X36"

TYPE III BARRICADE

SEE SDD TRAFFIC CONTROL,
SINGLE LANE CLOSURE
NON-FREEWAY/EXPRESSWAY

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- 16"X16" (MIN) SIGN FLAGS TEMPORARY
- TEMPORARY ACCESS CROSSWALK
- PEDESTRIAN SAFETY FENCE
- PEDESTRIAN ACCESS
- ALTERNATE PEDESTRIAN ACCESS (1)
- ALTERNATE PEDESTRIAN ACCESS (2)
- TEMPORARY CURB WALK

TRAFFIC
USH 14 ON NEW CONSTRUCTION CTH
P IS DETOURED

WORK ZONE
REMAINING USH 14/CTH P PAVING

KEY

1. TEMPORARY PAVEMENT MARKING 4-INCH (WHITE)
2. TEMPORARY PAVEMENT MARKING 4-INCH (YELLOW)
3. TEMPORARY PAVEMENT MARKING 8-INCH (WHITE)
4. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH
5. TEMPORARY PAVEMENT MARKING ARROWS
6. TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH

PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2A(2)	SHEET 215	E

CTH P TRAFFIC CONTROL

STAGE 5 PHASE 2B

2

N

MARKET STREET
WATER STREET
CENTER STREET
SPRING STREET
EAST STREET
MAPLE STREET
HICKORY STREET
WILSON STREET
MILL STREET
AMERICAN LEGION DRIVE
USH 14
CTH KP
CAESAR STREET
JOVINA STREET
VALLEY STREET
EULALIA STREET
CTH P / CHURCH STREET
BREWERY ROAD
LUDDEN DR
BOURBON RD
CONTINENTAL LN
HILLEBRAND
CTH P
WSOR
WESTVIEW COURT

TRAFFIC

ALL TRAFFIC ON NEWLY CONSTRUCTED ROADWAYS, WORK COMPLETED USING SDD TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

WORK ZONE

HMA SURFACE AND MARKINGS

KEY

WORK ZONE

PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 PHASE 2B	SHEET 216	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC-STAGES 5 PHASE-2B.DWG PLOT DATE : 8/27/2014 3:26 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42

CTH P TRAFFIC DETOUR (EAST)

STAGE 6



KEY

WORK ZONE

TRAFFIC

NO WORK ON USH 14
TRAFFIC FLAGGED ON BOURBON ROAD
TRAFFIC FLAGGED ON LAGOON STREET

WORK ZONE

MILL AND OVERLAY BOURBON ROAD
CONSTRUCT STORM WATER FACILITY

*SEE SDD TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

PROJECT NO:5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL STAGE 6	SHEET 217	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC-STAGE 6.DWG PLOT DATE : 8/27/2014 3:26 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1 IN:400 FT

2

2

N

10+00

10+00.00

127+00

128+00

USH 14

129+00

130+00

131+00

132+00

133+00

11+00

11+00'

11+00"

FLAGGER AHEAD

W20-7

SEE SDD TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

12+00

13+00

14+00

LAGOON STREET

15+00

16+00

17+00

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS

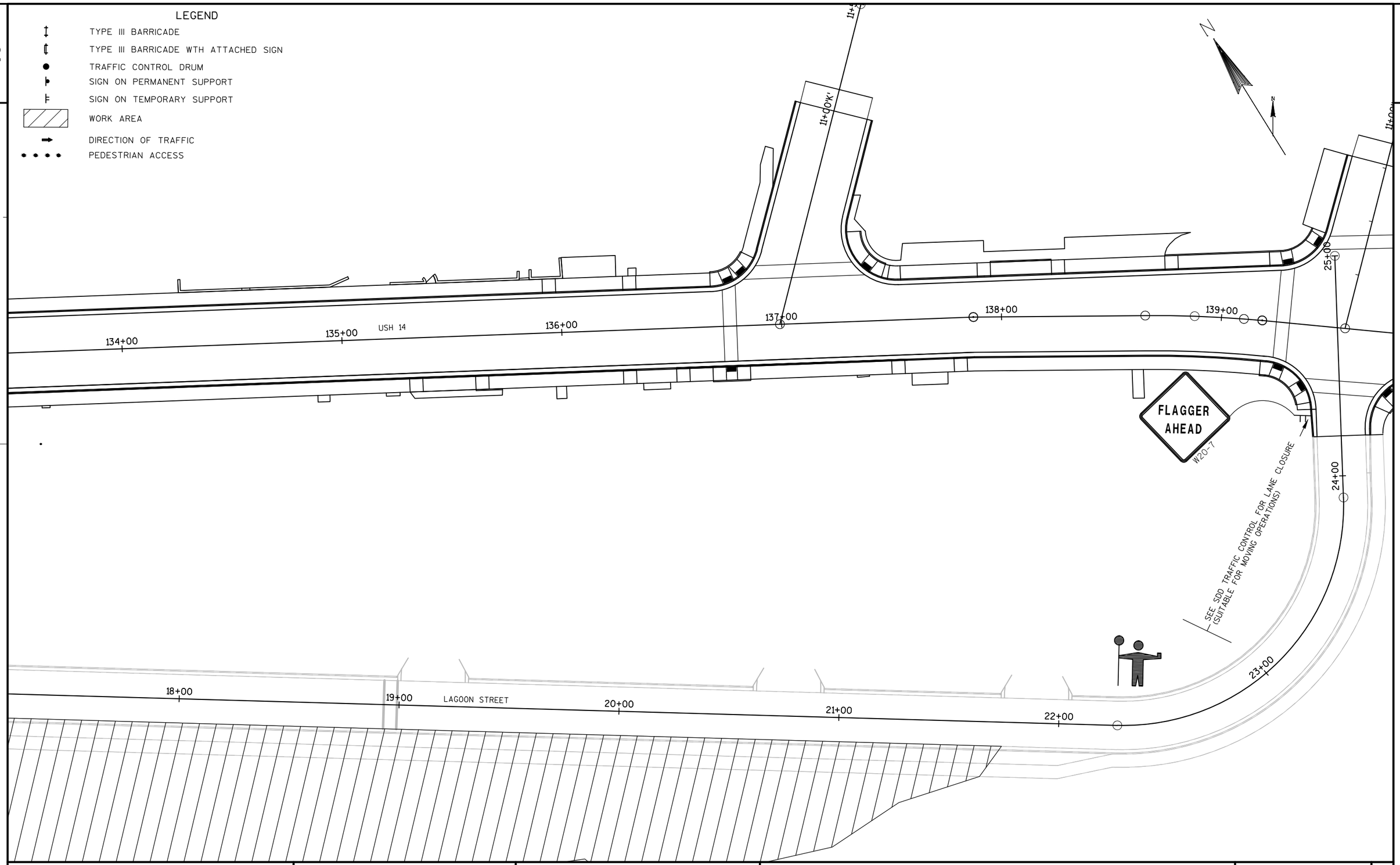
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - LAGOON STREET	SHEET 218	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\025001_TC-LAGOON ST.DWG PLOT DATE : 8/27/2014 3:26 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1"=40'_XREF

2

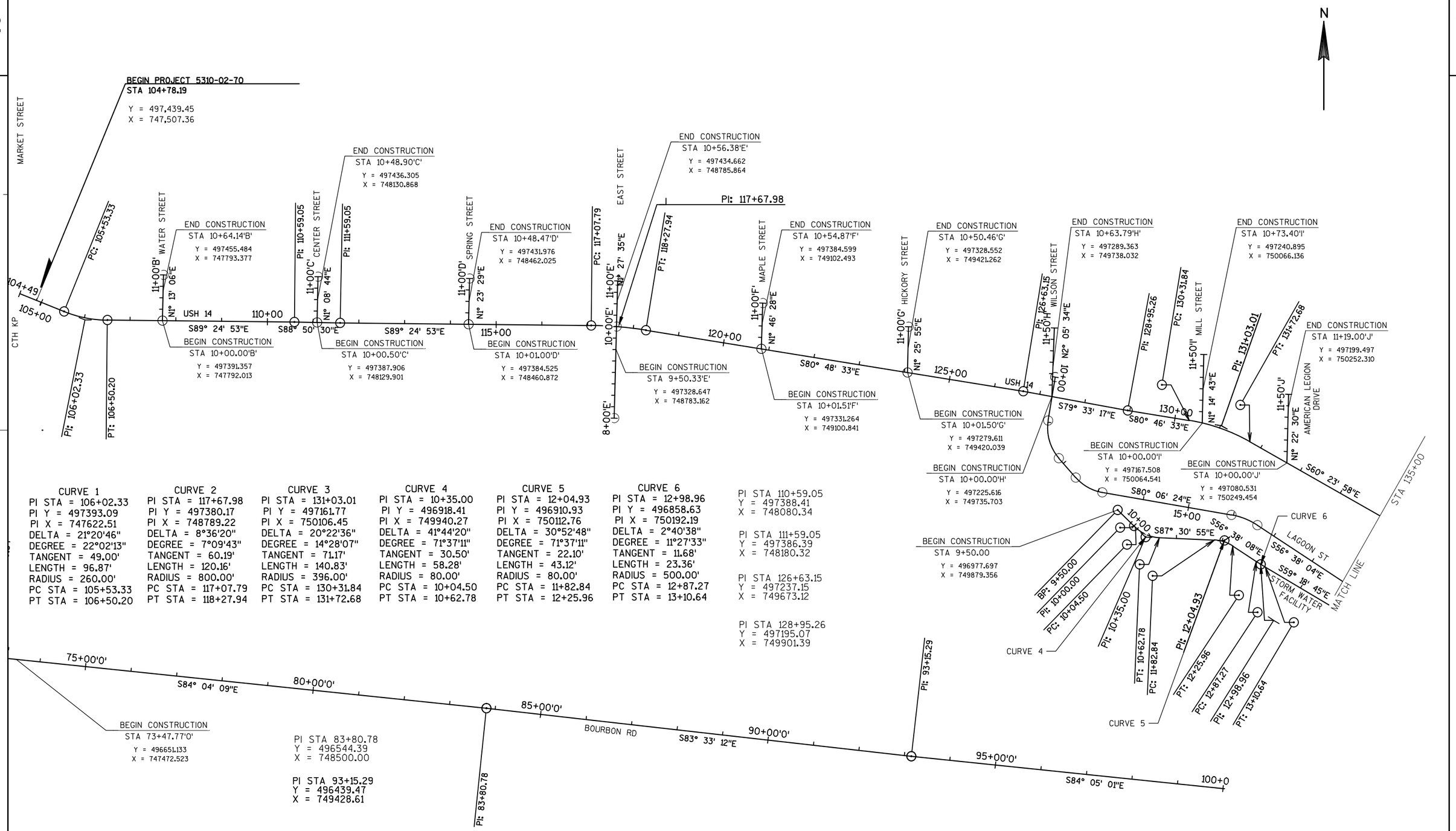
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PEDESTRIAN ACCESS



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - LAGOON STREET	SHEET 219	E

2



CURVE 1
PI STA = 106+02.33
PI Y = 497393.09
PI X = 747622.51
DELTA = 21°20'46"
DEGREE = 22°02'13"
TANGENT = 49.00'
LENGTH = 96.87'
RADIUS = 260.00'
PC STA = 105+53.33
PT STA = 106+50.20

CURVE 2
PI STA = 117+67.98
PI Y = 497380.17
PI X = 748789.22
DELTA = 8°36'20"
DEGREE = 7°09'43"
TANGENT = 60.19'
LENGTH = 120.16'
RADIUS = 800.00'
PC STA = 117+07.79
PT STA = 118+27.94

CURVE 3
PI STA = 131+03.01
PI Y = 497161.77
PI X = 750106.45
DELTA = 20°22'36"
DEGREE = 14°28'07"
TANGENT = 71.17'
LENGTH = 140.83'
RADIUS = 396.00'
PC STA = 130+31.84
PT STA = 131+72.68

CURVE 4
PI STA = 10+35.00
PI Y = 496918.41
PI X = 749940.27
DELTA = 41°44'20"
DEGREE = 71°37'11"
TANGENT = 30.50'
LENGTH = 58.28'
RADIUS = 80.00'
PC STA = 10+04.50
PT STA = 10+62.78

CURVE 5
PI STA = 12+04.93
PI Y = 496910.93
PI X = 750112.76
DELTA = 30°52'48"
DEGREE = 71°37'11"
TANGENT = 22.10'
LENGTH = 43.12'
RADIUS = 80.00'
PC STA = 11+82.84
PT STA = 12+25.96

CURVE 6
PI STA = 12+98.96
PI Y = 496858.63
PI X = 750192.19
DELTA = 2°40'38"
DEGREE = 11°27'33"
TANGENT = 11.68'
LENGTH = 23.36'
RADIUS = 500.00'
PC STA = 12+87.27
PT STA = 13+10.64

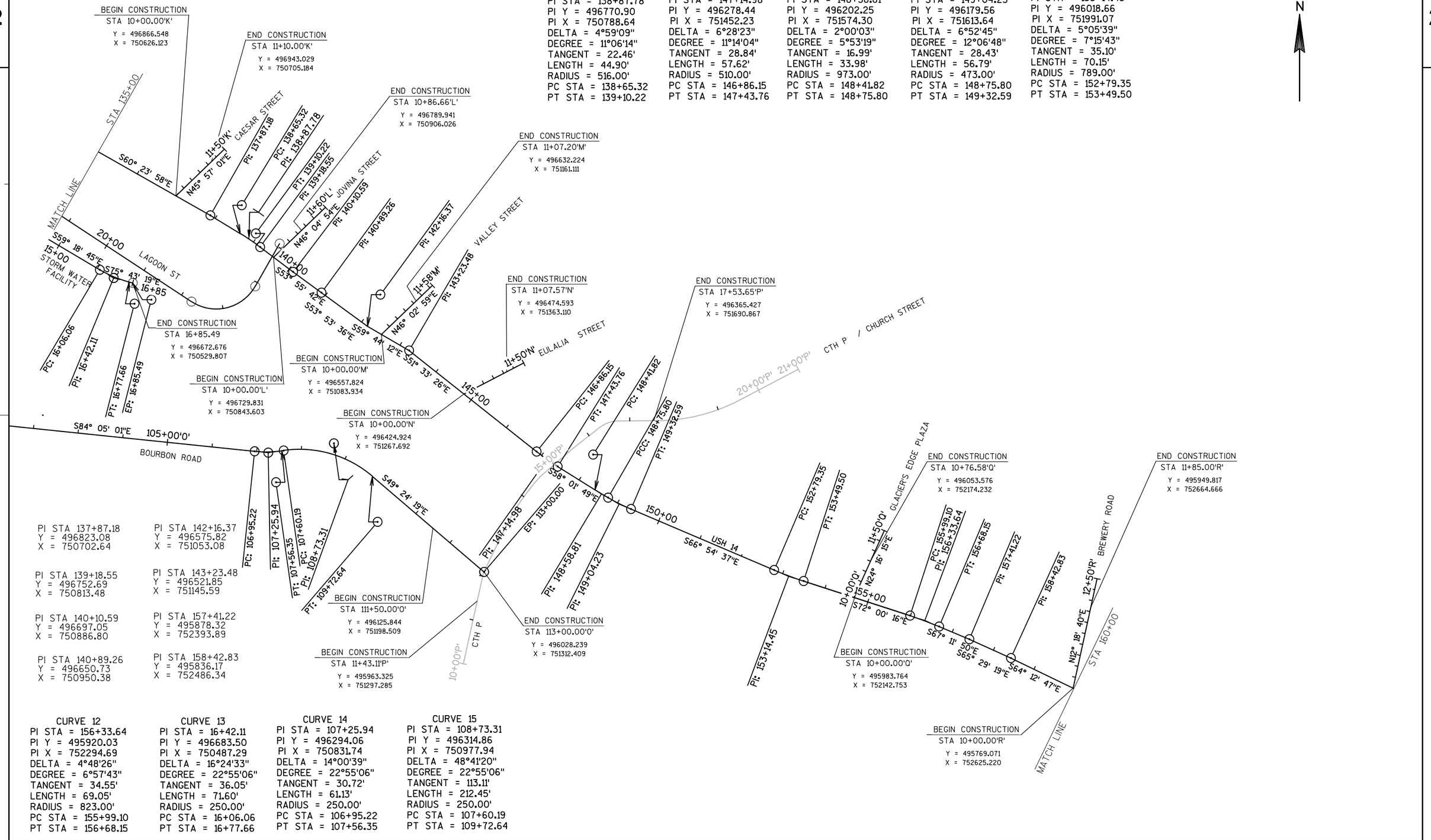
PI STA 110+59.05
Y = 497388.41
X = 748080.34

PI STA 111+59.05
Y = 497386.39
X = 748180.32

PI STA 126+63.15
Y = 497237.15
X = 749673.12

PI STA 128+95.26
Y = 497195.07
X = 749901.39

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	ALIGNMENT DETAIL	SHEET 220	E



CURVE 7
PI STA = 138+87.78
PI Y = 496770.90
PI X = 750788.64
DELTA = 4°59'09"
DEGREE = 11°06'14"
TANGENT = 22.46'
LENGTH = 44.90'
RADIUS = 516.00'
PC STA = 138+65.32
PT STA = 139+10.22

CURVE 8
PI STA = 147+14.98
PI Y = 496278.44
PI X = 751452.23
DELTA = 6°28'23"
DEGREE = 11°14'04"
TANGENT = 28.84'
LENGTH = 57.62'
RADIUS = 510.00'
PC STA = 146+86.15
PT STA = 147+43.76

CURVE 9
PI STA = 148+58.81
PI Y = 496202.25
PI X = 751574.30
DELTA = 2°00'03"
DEGREE = 5°53'19"
TANGENT = 16.99'
LENGTH = 33.98'
RADIUS = 973.00'
PC STA = 148+41.82
PT STA = 148+75.80

CURVE 10
PI STA = 149+04.23
PI Y = 496179.56
PI X = 751613.64
DELTA = 6°52'45"
DEGREE = 12°06'48"
TANGENT = 28.43'
LENGTH = 56.79'
RADIUS = 473.00'
PC STA = 148+75.80
PT STA = 149+32.59

CURVE 11
PI STA = 153+14.45
PI Y = 496018.66
PI X = 751991.07
DELTA = 5°05'39"
DEGREE = 7°15'43"
TANGENT = 35.10'
LENGTH = 70.15'
RADIUS = 789.00'
PC STA = 152+79.35
PT STA = 153+49.50

CURVE 12
PI STA = 156+33.64
PI Y = 495920.03
PI X = 752294.69
DELTA = 4°48'26"
DEGREE = 6°57'43"
TANGENT = 34.55'
LENGTH = 69.05'
RADIUS = 823.00'
PC STA = 155+99.10
PT STA = 156+68.15

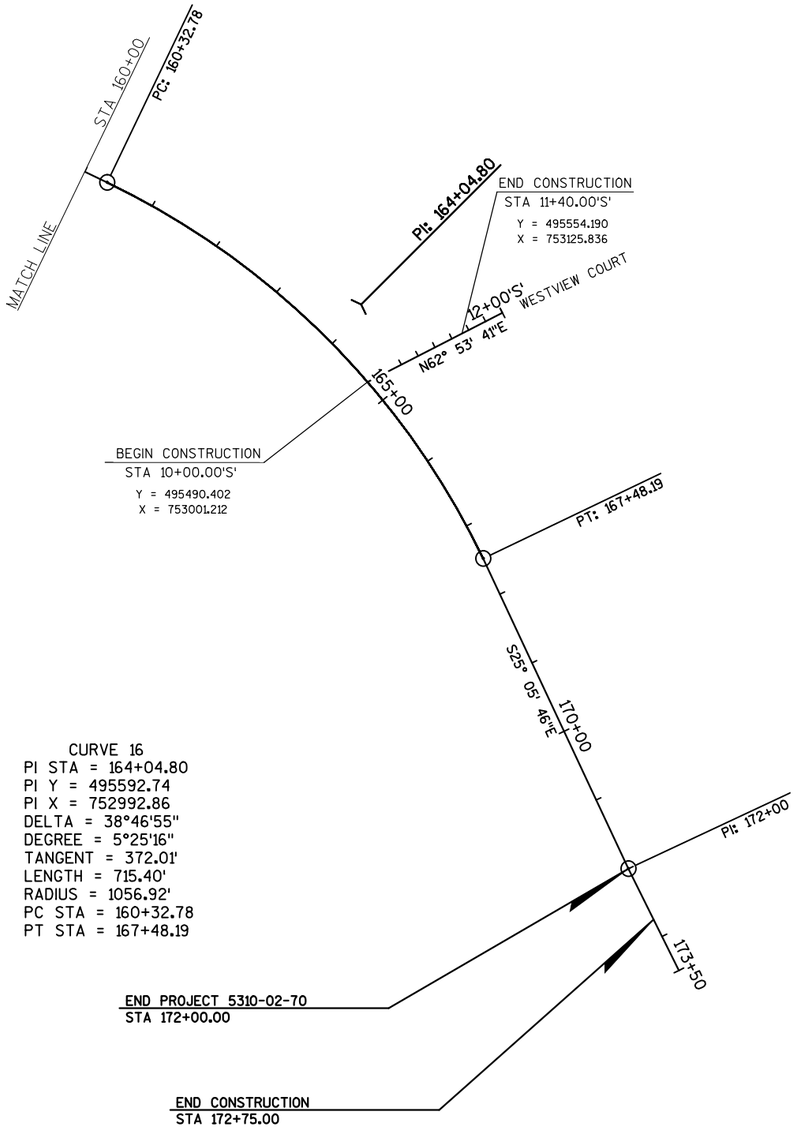
CURVE 13
PI STA = 16+42.11
PI Y = 496683.50
PI X = 750487.29
DELTA = 16°24'33"
DEGREE = 22°55'06"
TANGENT = 36.05'
LENGTH = 71.60'
RADIUS = 250.00'
PC STA = 16+06.06
PT STA = 16+77.66

CURVE 14
PI STA = 107+25.94
PI Y = 496294.06
PI X = 750831.74
DELTA = 14°00'39"
DEGREE = 22°55'06"
TANGENT = 30.72'
LENGTH = 61.13'
RADIUS = 250.00'
PC STA = 106+95.22
PT STA = 107+56.35

CURVE 15
PI STA = 108+73.31
PI Y = 496314.86
PI X = 750977.94
DELTA = 48°41'20"
DEGREE = 22°55'06"
TANGENT = 113.11'
LENGTH = 212.45'
RADIUS = 250.00'
PC STA = 107+60.19
PT STA = 109+72.64

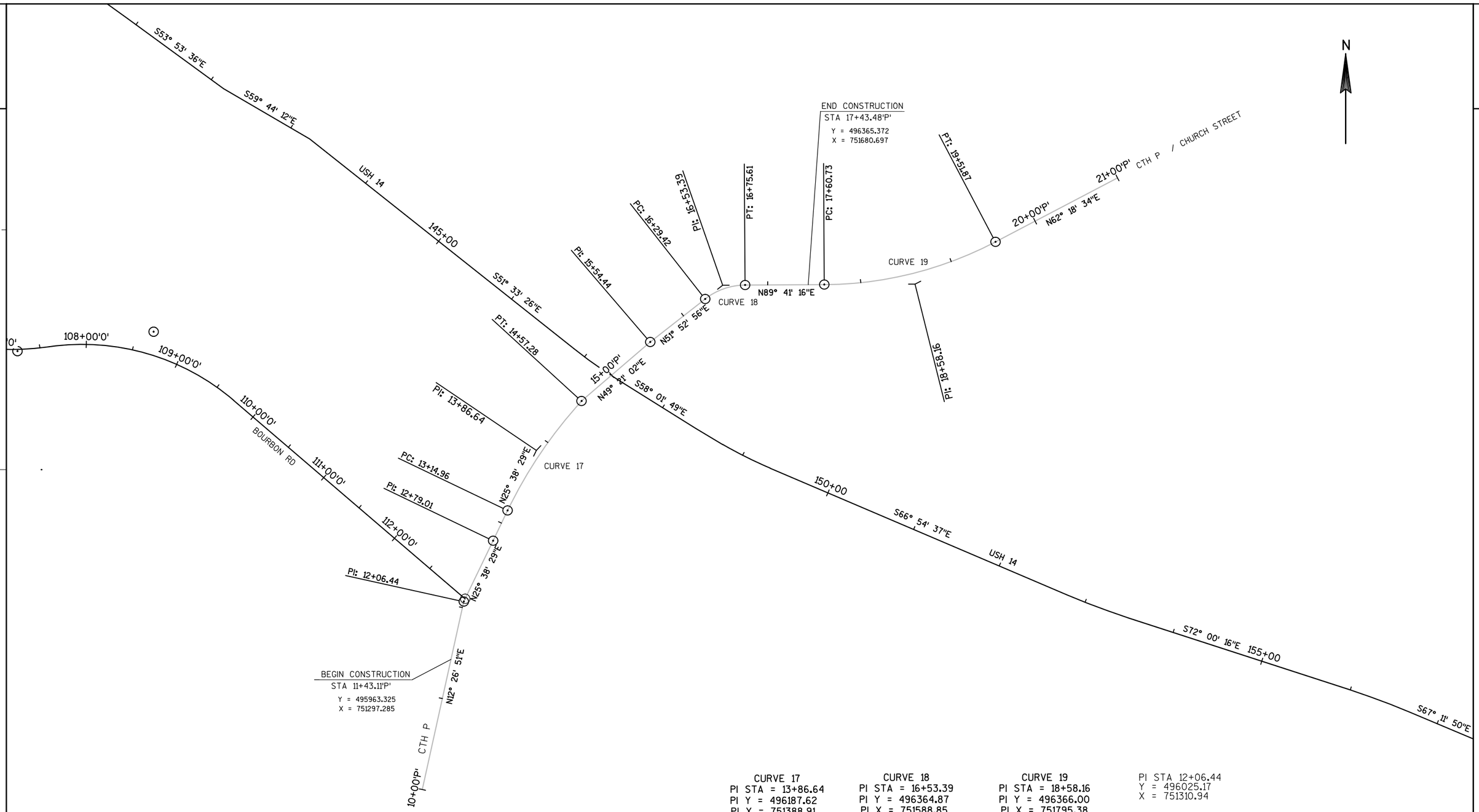
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	ALIGNMENT DETAIL	SHEET 221	E

2



CURVE 16
PI STA = 164+04.80
PI Y = 495592.74
PI X = 752992.86
DELTA = 38°46'55"
DEGREE = 5°25'16"
TANGENT = 372.01'
LENGTH = 715.40'
RADIUS = 1056.92'
PC STA = 160+32.78
PT STA = 167+48.19

2



CURVE 17	CURVE 18	CURVE 19
PI STA = 13+86.64	PI STA = 16+53.39	PI STA = 18+58.16
PI Y = 496187.62	PI Y = 496364.87	PI Y = 496366.00
PI X = 751388.91	PI X = 751588.85	PI X = 751795.38
DELTA = 16°48'46"	DELTA = 37°48'20"	DELTA = 27°22'42"
DEGREE = 11°48'49"	DEGREE = 81°51'04"	DEGREE = 14°19'26"
TANGENT = 71.67'	TANGENT = 23.97'	TANGENT = 97.43'
LENGTH = 142.32'	LENGTH = 46.19'	LENGTH = 191.14'
RADIUS = 485.00'	RADIUS = 70.00'	RADIUS = 400.00'
PC STA = 13+14.96	PC STA = 16+29.42	PC STA = 17+60.73
PT STA = 14+57.28	PT STA = 16+75.61	PT STA = 19+51.87

PI STA 12+06.44
Y = 496025.17
X = 751310.94

PI STA 12+79.01
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X = 751342.34

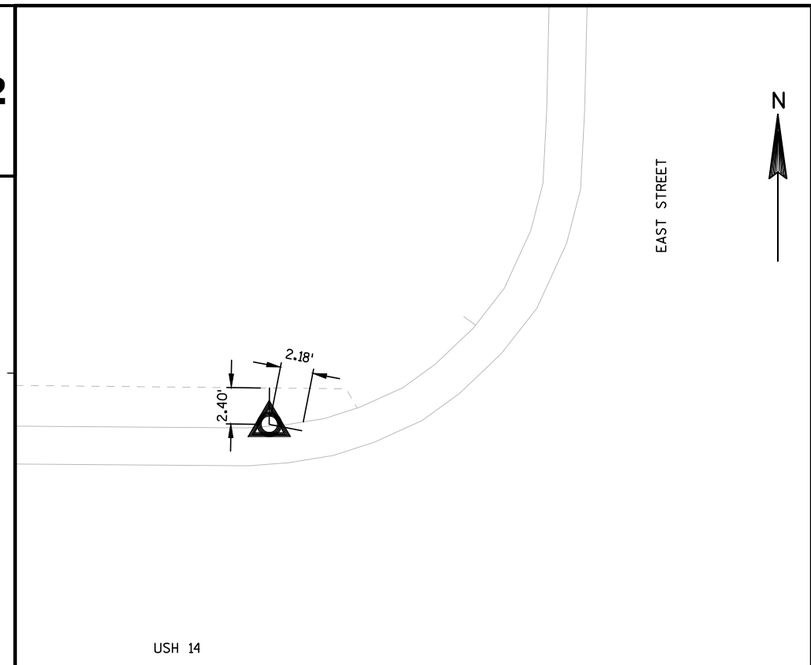
PI STA 15+54.44
Y = 496303.79
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	ALIGNMENT DETAIL - CTH P	SHEET 223	E

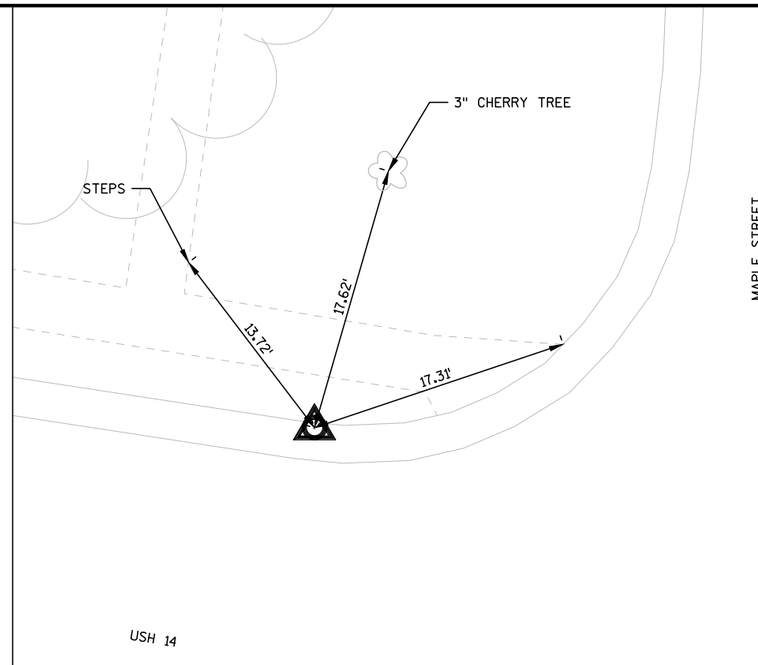
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WISDOT/CADDS SHEET 42

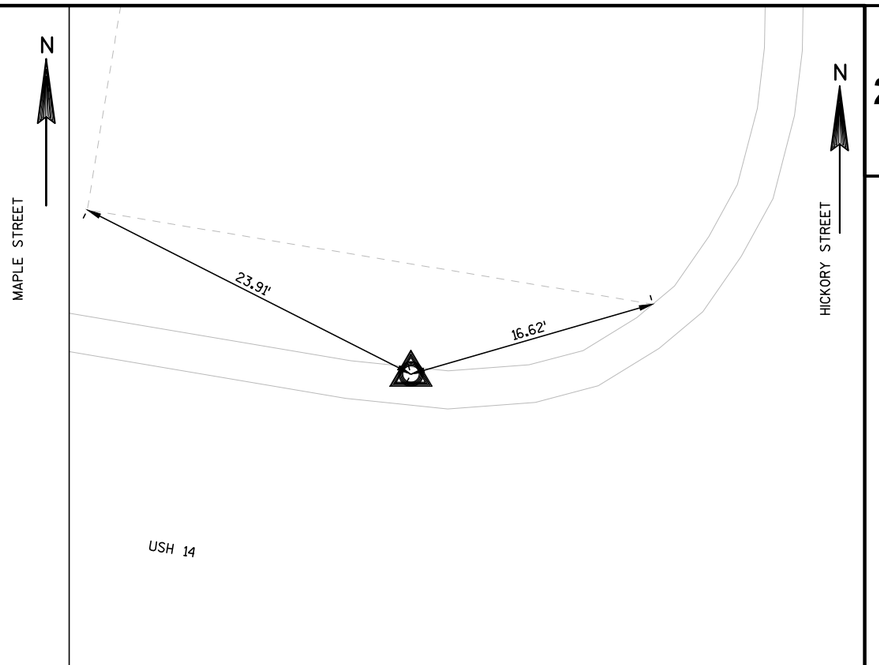
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CP505 - PK NAIL
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EL= 864.99

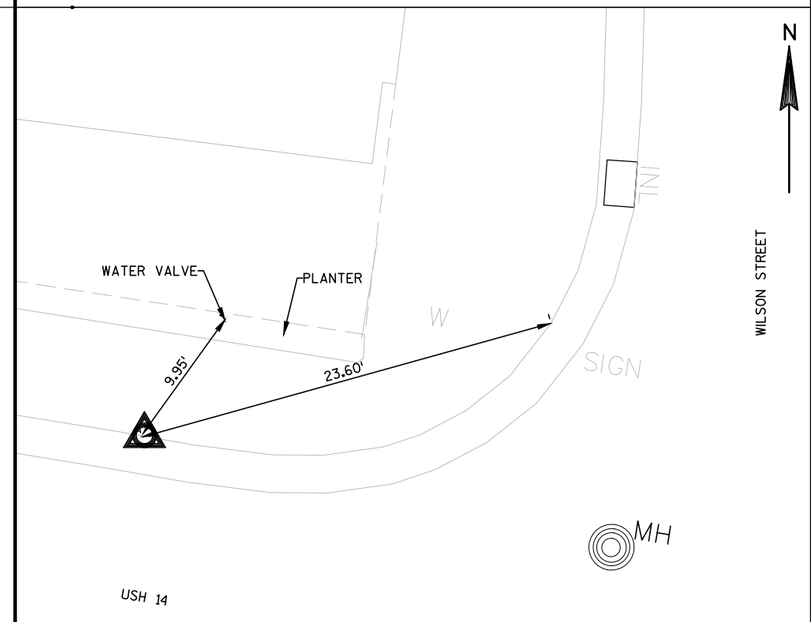


CP506 - PK NAIL
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EL=862.97

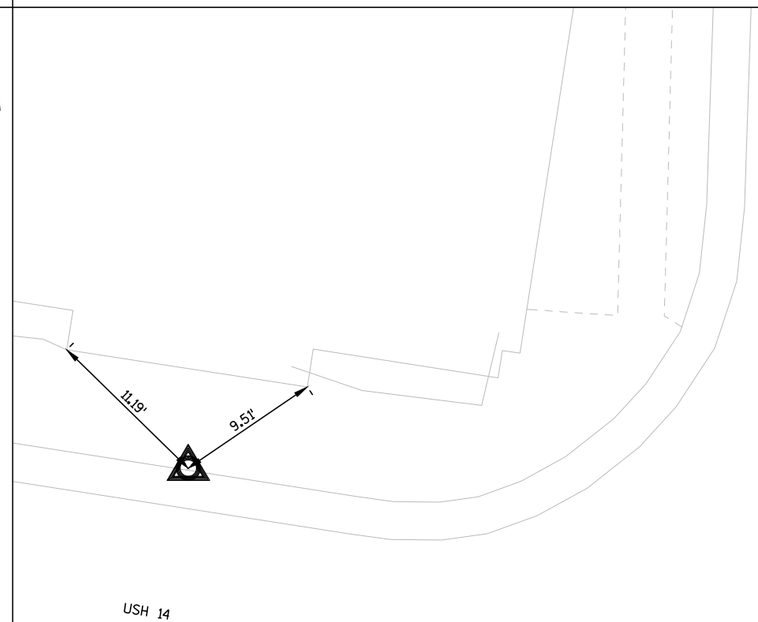


CP507 - PK NAIL
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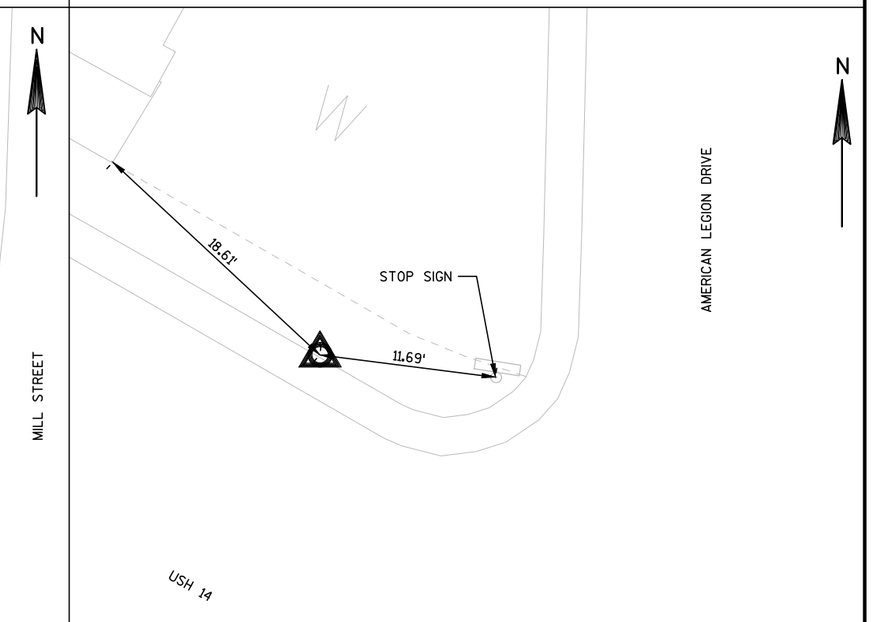
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CP508 - PK NAIL
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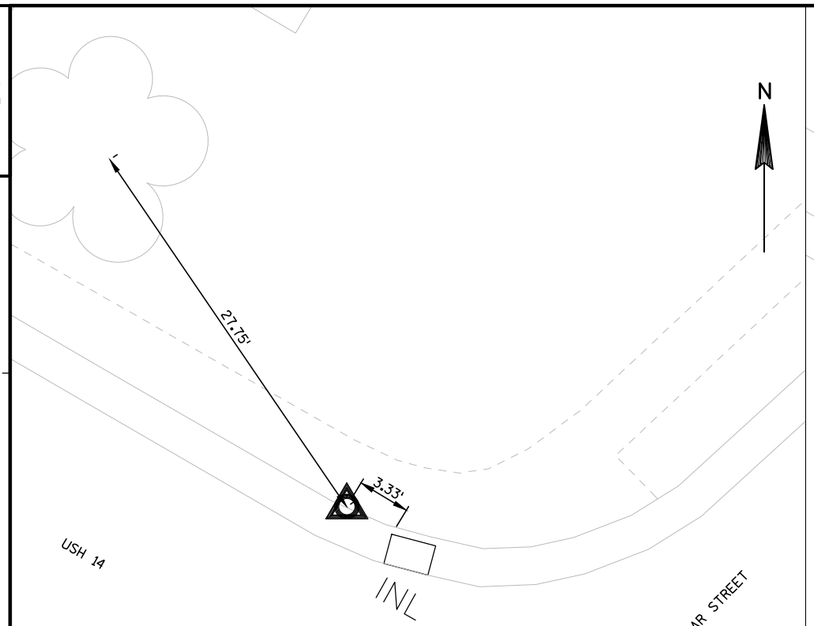


CP509 - PK NAIL
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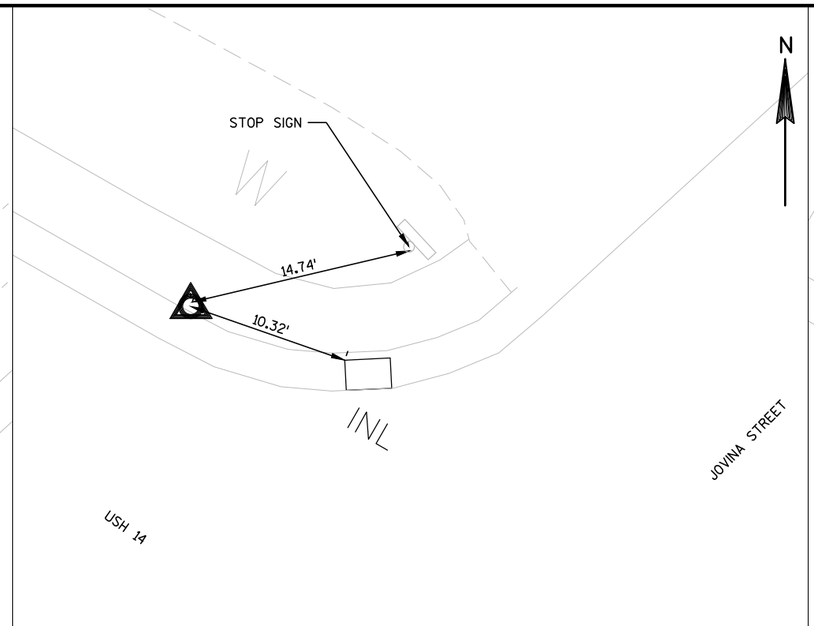


CP509 - PK NAIL
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Y = 497203.691
EL= 875.61

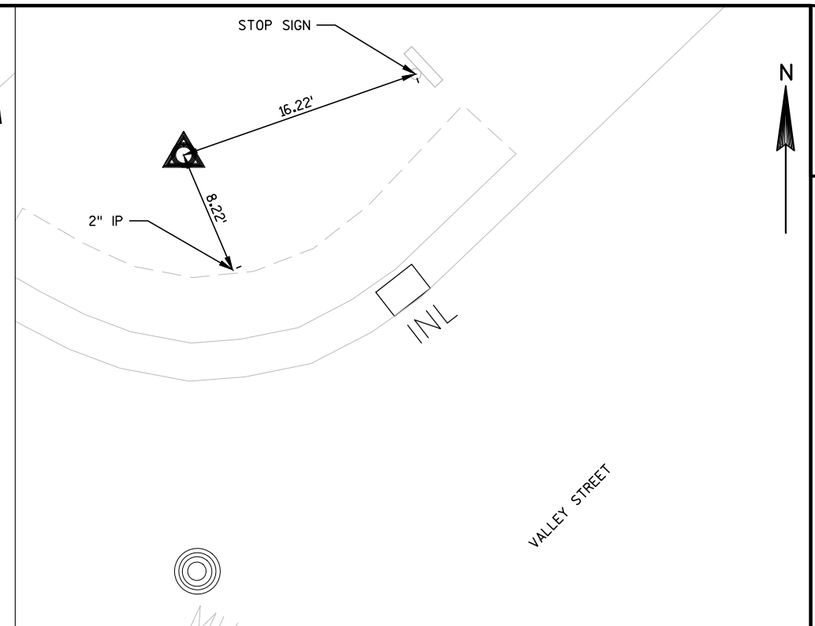
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION TIES	SHEET 224	E



CP511 - PK NAIL
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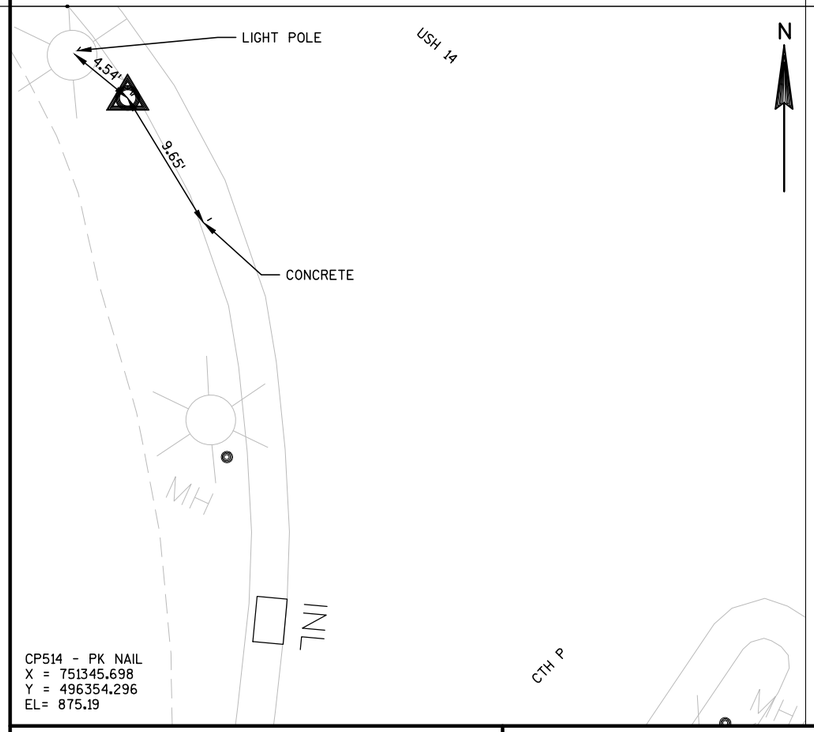


CP512 - PK NAIL
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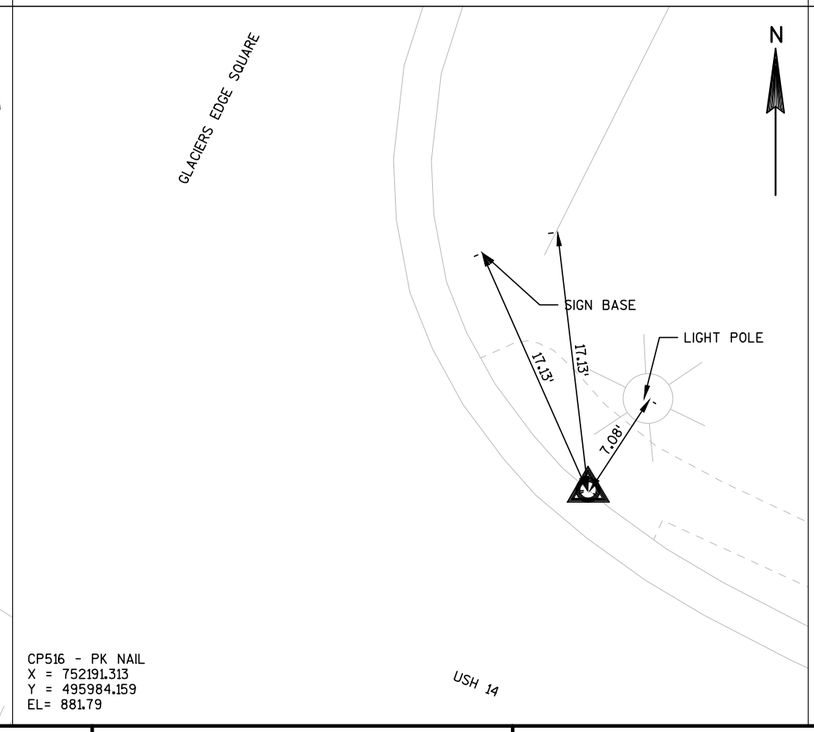


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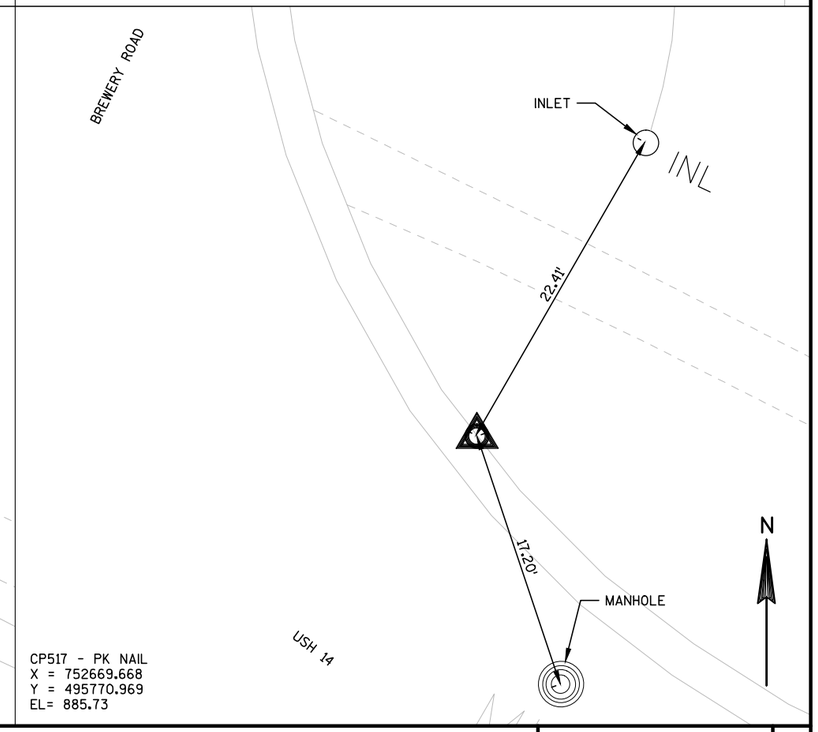
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CP514 - PK NAIL
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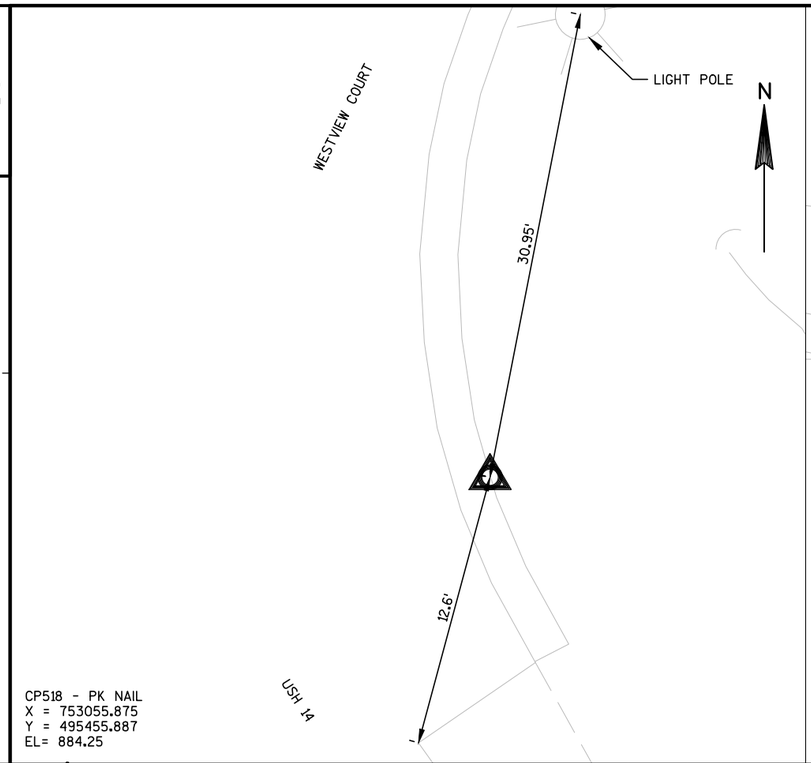


CP516 - PK NAIL
X = 752191.313
Y = 495984.159
EL= 881.79

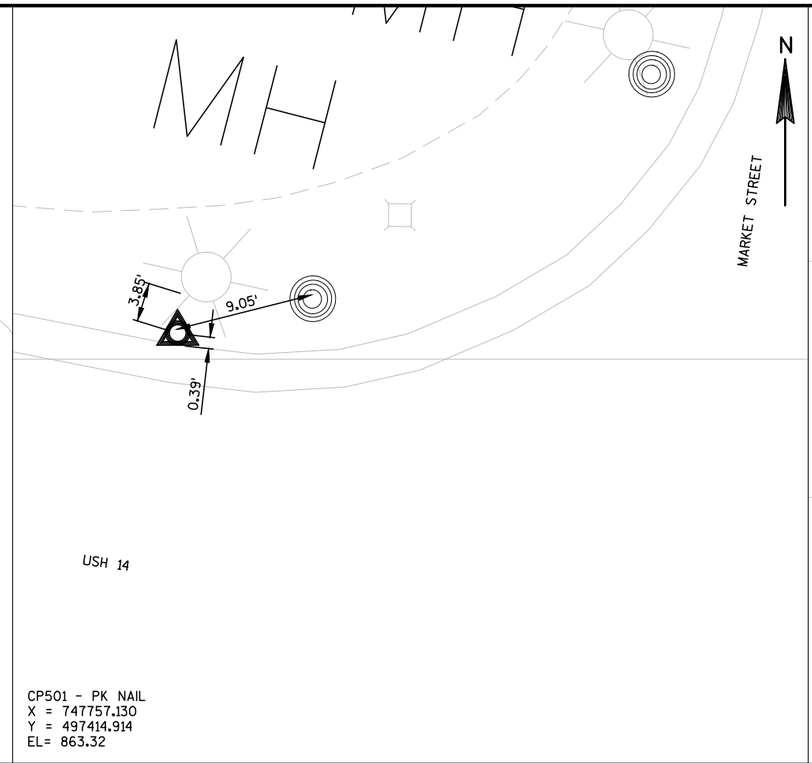


CP517 - PK NAIL
X = 752669.668
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EL= 885.73

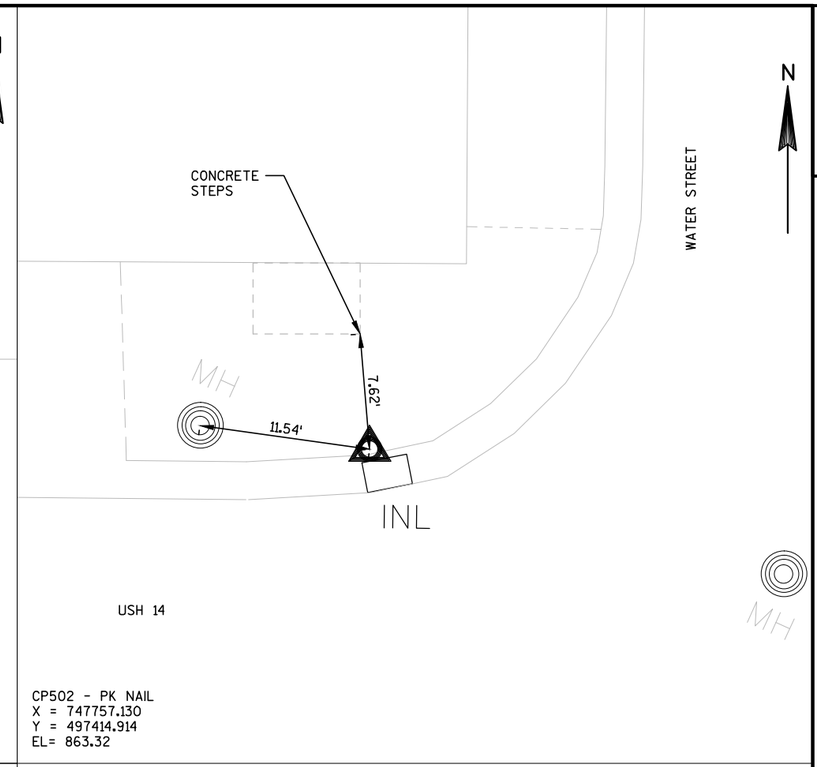
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION TIES	SHEET 225	E



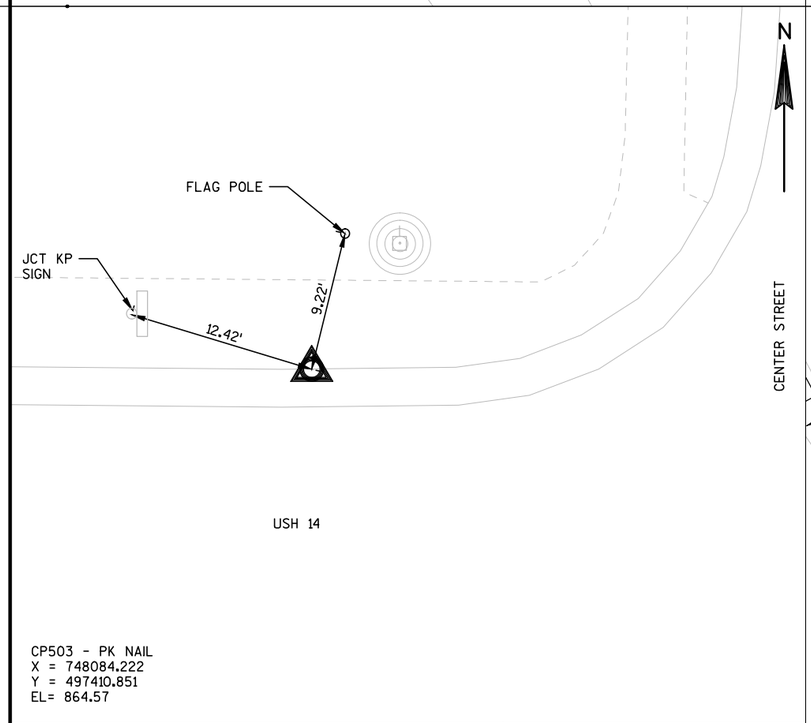
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EL= 884.25



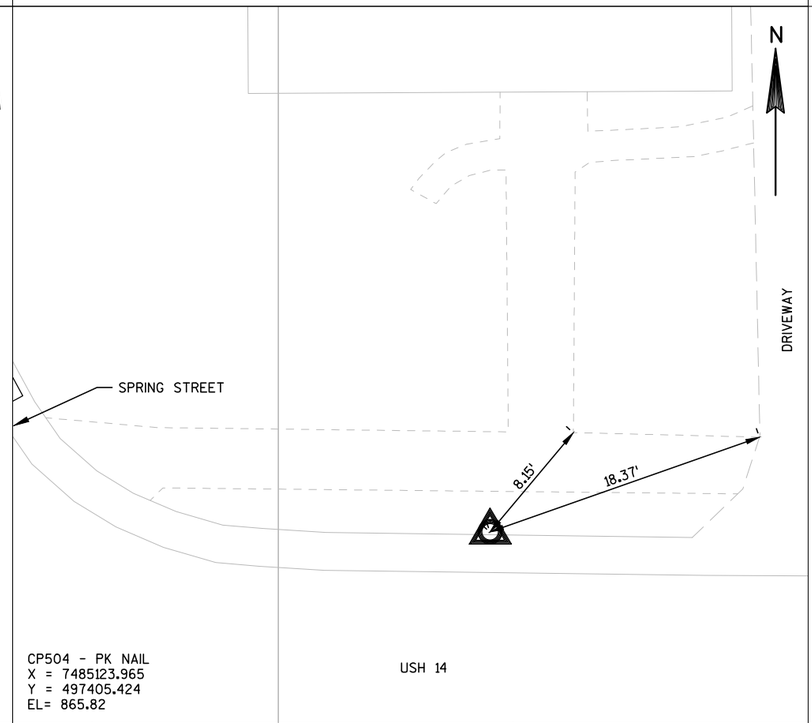
CP501 - PK NAIL
X = 747757.130
Y = 497414.914
EL= 863.32



CP502 - PK NAIL
X = 747757.130
Y = 497414.914
EL= 863.32



CP503 - PK NAIL
X = 748084.222
Y = 497410.851
EL= 864.57



CP504 - PK NAIL
X = 7485123.965
Y = 497405.424
EL= 865.82

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CONSTRUCTION TIES	SHEET 226	E

DATE 19DEC14 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	5310-02-70 QUANTITY
0010	201.0105	Clearing	STA	9.000	9.000
0020	201.0120	Clearing	ID	865.000	865.000
0030	201.0205	Grubbing	STA	9.000	9.000
0040	201.0220	Grubbing	ID	1,010.000	1,010.000
0050	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. Station 144+22	LS	1.000	1.000
0060	204.0100	Removing Pavement	SY	16,455.000	16,455.000
0070	204.0110	Removing Asphaltic Surface	SY	1,915.000	1,915.000
0080	204.0115	Removing Asphaltic Surface Butt Joints	SY	413.000	413.000
0090	204.0120	Removing Asphaltic Surface Milling	SY	18,175.000	18,175.000
0100	204.0130	Removing Curb	LF	100.000	100.000
0110	204.0150	Removing Curb & Gutter	LF	11,665.000	11,665.000
0120	204.0155	Removing Concrete Sidewalk	SY	6,284.000	6,284.000
0130	204.0170	Removing Fence	LF	350.000	350.000
0140	204.0195	Removing Concrete Bases	EACH	8.000	8.000
0150	204.0210	Removing Manholes	EACH	16.000	16.000
0160	204.0220	Removing Inlets	EACH	41.000	41.000
0170	204.0235	Removing Buildings (parcel) 01. 3	LS	1.000	1.000
0180	204.0235	Removing Buildings (parcel) 02. 8	LS	1.000	1.000
0190	204.0240	Site Clearance (parcel) 01. 3	LS	1.000	1.000
0200	204.0240	Site Clearance (parcel) 02. 8	LS	1.000	1.000
0210	204.0245	Removing Storm Sewer (size) 01. 8-Inch	LF	105.000	105.000
0220	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	2,134.000	2,134.000
0230	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	133.000	133.000
0240	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	635.000	635.000
0250	204.0245	Removing Storm Sewer (size) 05. 15-Inch	LF	8.000	8.000
0260	204.0250	Abandoning Manholes	EACH	1.000	1.000
0270	204.0265	Abandoning Wells	EACH	4.000	4.000
0280	204.0280	Sealing Pipes	EACH	17.000	17.000
0290	204.0291.S	Abandoning Sewer	CY	22.000	22.000
0300	204.9090.S	Removing (Item Description) 01. Quarry Limestone Retaining Walls	LF	599.000	599.000
0310	205.0100	Excavation Common	CY	49,807.000	49,807.000
0320	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	3,885.000	3,885.000
0330	206.1000	Excavation for Structures Bridges (structure) 01. B-13-799	LS	1.000	1.000
0340	209.0300.S	Backfill Coarse Aggregate (size) 01. No. 2	CY	934.000	934.000
0350	210.0100	Backfill Structure	CY	335.000	335.000
0360	213.0100	Finishing Roadway (project) 01. 5310-02-70	EACH	1.000	1.000
0370	305.0110	Base Aggregate Dense 3/4-Inch	TON	70.000	70.000
0380	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	32,544.000	32,544.000
0390	312.0110	Select Crushed Material	TON	37,167.000	37,167.000
0400	405.0100	Coloring Concrete Red	CY	157.400	157.400
0410	415.0080	Concrete Pavement 8-Inch	SY	14,635.000	14,635.000
0420	415.0410	Concrete Pavement Approach Slab	SY	255.000	255.000
0430	415.1080	Concrete Pavement HES 8-Inch	SY	500.000	500.000
0440	416.0160	Concrete Driveway 6-Inch	SY	1,767.000	1,767.000
0450	416.0260	Concrete Driveway HES 6-Inch	SY	100.000	100.000
0460	416.0610	Drilled Tie Bars	EACH	97.000	97.000
0470	440.4410.S	Incentive IRI Ride	DOL	6,880.000	6,880.000
0480	455.0105	Asphaltic Material PG58-28	TON	388.000	388.000

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DATE 19DEC14 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	5310-02-70 QUANTITY
0490	455.0120	Asphaltic Material PG64-28	TON	273.000	273.000
0500	455.0605	Tack Coat	GAL	5,150.000	5,150.000
0510	460.1103	Hma Pavement Type E-3	TON	11,261.000	11,261.000
0520	460.2000	Incentive Density HMA Pavement	DOL	7,245.000	7,245.000
0530	460.4000	HMA Cold Weather Paving	TON	1,620.000	1,620.000
0540	465.0105	Asphaltic Surface	TON	33.000	33.000
0550	465.0110	Asphaltic Surface Patching	TON	25.000	25.000
0560	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	73.000	73.000
0570	465.0125	Asphaltic Surface Temporary	TON	610.000	610.000
0580	502.0100	Concrete Masonry Bridges	CY	585.000	585.000
0590	502.3200	Protective Surface Treatment	SY	776.000	776.000
0600	502.5005	Masonry Anchors Type L No. 5 Bars	EACH	32.000	32.000
0610	505.0405	Bar Steel Reinforcement HS Bridges	LB	12,470.000	12,470.000
0620	505.0605	Bar Steel Reinforcement HS Coated Bridges	LB	73,650.000	73,650.000
0630	509.5100.S	Polymer Overlay	SY	370.000	370.000
0640	516.0500	Rubberized Membrane Waterproofing	SY	37.000	37.000
0650	517.1010.S	Concrete Staining (structure) 01. B-13-799	SF	690.000	690.000
0660	517.1050.S	Architectural Surface Treatment (structure) 01. B-13-799	SF	690.000	690.000
0670	520.8000	Concrete Collars for Pipe	EACH	9.000	9.000
0680	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0690	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0700	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000
0710	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000	1.000
0720	522.1060	Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	EACH	1.000	1.000
0730	532.0200.S	Wall Modular Block Gravity	SF	1,532.000	1,532.000
0740	550.1120	Piling Steel Hp 12-Inch X 53 Lb	LF	1,560.000	1,560.000
0750	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	6,565.000	6,565.000
0760	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	10,708.000	10,708.000
0770	601.0600	Concrete Curb Pedestrian	LF	693.000	693.000
0780	602.0405	Concrete Sidewalk 4-Inch	SF	60,484.000	60,484.000
0790	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	604.000	604.000
0800	602.1500	Concrete Steps	SF	158.000	158.000
0810	602.2400	Concrete Safety Islands	SF	432.000	432.000
0820	606.0100	Riprap Light	CY	104.000	104.000
0830	606.0200	Riprap Medium	CY	75.000	75.000
0840	606.0300	Riprap Heavy	CY	982.000	982.000
0850	608.0312	Storm Sewer Pipe Reinforced Concrete Class Iii 12-Inch	LF	468.000	468.000
0860	608.0324	Storm Sewer Pipe Reinforced Concrete Class Iii 24-Inch	LF	728.000	728.000
0870	608.0336	Storm Sewer Pipe Reinforced Concrete Class Iii 36-Inch	LF	698.000	698.000
0880	608.0412	Storm Sewer Pipe Reinforced Concrete Class Iv 12-Inch	LF	1,369.000	1,369.000
0890	608.0418	Storm Sewer Pipe Reinforced Concrete Class Iv 18-Inch	LF	1,131.000	1,131.000

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DATE 19DEC14 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	5310-02-70 QUANTITY
0900	608.0424	Storm Sewer Pipe Reinforced Concrete Class Iv 24-Inch	LF	2,741.000	2,741.000
0910	608.0430	Storm Sewer Pipe Reinforced Concrete Class Iv 30-Inch	LF	100.000	100.000
0920	608.0436	Storm Sewer Pipe Reinforced Concrete Class Iv 36-Inch	LF	171.000	171.000
0930	608.0460	Storm Sewer Pipe Reinforced Concrete Class Iv 60-Inch	LF	20.000	20.000
0940	610.0434	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class He-Iv 34x53-Inch	LF	23.000	23.000
0950	611.0430	Reconstructing Inlets	EACH	1.000	1.000
0960	611.0645	Inlet Covers Type Ms-A	EACH	2.000	2.000
0970	611.0651	Inlet Covers Type S	EACH	1.000	1.000
0980	611.0654	Inlet Covers Type V	EACH	3.000	3.000
0990	611.1004	Catch Basins 4-Ft Diameter	EACH	9.000	9.000
1000	611.1230	Catch Basins 2x3-Ft	EACH	76.000	76.000
1010	611.2004	Manholes 4-Ft Diameter	EACH	37.000	37.000
1020	611.2005	Manholes 5-Ft Diameter	EACH	9.000	9.000
1030	611.2006	Manholes 6-Ft Diameter	EACH	1.000	1.000
1040	611.2007	Manholes 7-Ft Diameter	EACH	1.000	1.000
1050	611.2008	Manholes 8-Ft Diameter	EACH	2.000	2.000
1060	611.3220	Inlets 2x2-Ft	EACH	1.000	1.000
1070	611.3230	Inlets 2x3-Ft	EACH	7.000	7.000
1080	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
1090	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
1100	611.8120.S	Cover Plates Temporary	EACH	25.000	25.000
1110	611.9800.S	Pipe Grates	EACH	3.000	3.000
1120	612.0106	Pipe Underdrain 6-Inch	LF	16,085.000	16,085.000
1130	616.0204	Fence Chain Link 4-Ft	LF	350.000	350.000
1140	616.0700.S	Fence Safety	LF	8,400.000	8,400.000
1150	618.0100	Maintenance And Repair Of Haul Roads (Project) 01. 5310-02-70	EACH	1.000	1.000
1160	619.1000	Mobilization	EACH	0.630	0.630
1170	620.0300	Concrete Median Sloped Nose	SF	955.000	955.000
1180	623.0200	Dust Control Surface Treatment	SY	27,810.000	27,810.000
1190	624.0100	Water	MGAL	650.000	650.000
1200	625.0100	Topsoil	SY	8,218.000	8,218.000
1210	625.0500	Salvaged Topsoil	SY	7,855.000	7,855.000
1220	628.1504	Silt Fence	LF	6,460.000	6,460.000
1230	628.1520	Silt Fence Maintenance	LF	6,460.000	6,460.000
1240	628.1905	Mobilizations Erosion Control	EACH	13.000	13.000
1250	628.1910	Mobilizations Emergency Erosion Control	EACH	13.000	13.000
1260	628.2004	Erosion Mat Class I Type B	SY	4,230.000	4,230.000
1270	628.2006	Erosion Mat Urban Class I Type A	SY	4,670.000	4,670.000
1280	628.2037	Erosion Mat Class Iii Type C	SY	225.000	225.000
1290	628.6005	Turbidity Barriers	SY	325.000	325.000
1300	628.7005	Inlet Protection Type A	EACH	7.000	7.000
1310	628.7015	Inlet Protection Type C	EACH	67.000	67.000
1320	628.7020	Inlet Protection Type D	EACH	51.000	51.000
1330	628.7504	Temporary Ditch Checks	LF	27.000	27.000
1340	628.7555	Culvert Pipe Checks	EACH	2.000	2.000
1350	628.7560	Tracking Pads	EACH	4.000	4.000
1360	628.7570	Rock Bags	EACH	194.000	194.000

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DATE 19DEC14 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	5310-02-70 QUANTITY
1370	629.0210	Fertilizer Type B	CWT	12.560	12.560
1380	630.0130	Seeding Mixture No. 30	LB	200.000	200.000
1390	630.0200	Seeding Temporary	LB	272.000	272.000
1400	631.0300	Sod Water	MGAL	1,124.000	1,124.000
1410	631.1000	Sod Lawn	SY	9,428.000	9,428.000
1420	633.5200	Markers Culvert End	EACH	6.000	6.000
1430	634.0614	Posts Wood 4x6-Inch X 14-Ft	EACH	82.000	82.000
1440	634.0616	Posts Wood 4x6-Inch X 16-Ft	EACH	37.000	37.000
1450	634.0618	Posts Wood 4x6-Inch X 18-Ft	EACH	5.000	5.000
1460	637.0620	Sign Flags Permanent Type Ii	EACH	4.000	4.000
1470	637.2210	Signs Type Ii Reflective H	SF	711.010	711.010
1480	637.2215	Signs Type Ii Reflective H Folding	SF	82.060	82.060
1490	637.2230	Signs Type Ii Reflective F	SF	115.330	115.330
1500	638.2102	Moving Signs Type II	EACH	6.000	6.000
1510	638.2602	Removing Signs Type II	EACH	73.000	73.000
1520	638.3000	Removing Small Sign Supports	EACH	64.000	64.000
1530	638.4000	Moving Small Sign Supports	EACH	6.000	6.000
1540	642.5201	Field Office Type C	EACH	1.000	1.000
1550	643.0200	Traffic Control Surveillance And Maintenance (Project) 01. 5310-02-70	DAY	245.000	245.000
1560	643.0300	Traffic Control Drums	DAY	30,312.000	30,312.000
1570	643.0420	Traffic Control Barricades Type Iii	DAY	12,656.000	12,656.000
1580	643.0705	Traffic Control Warning Lights Type A	DAY	19,324.000	19,324.000
1590	643.0715	Traffic Control Warning Lights Type C	DAY	3,394.000	3,394.000
1600	643.0800	Traffic Control Arrow Boards	DAY	12.000	12.000
1610	643.0900	Traffic Control Signs	DAY	16,099.000	16,099.000
1620	643.0920	Traffic Control Covering Signs Type Ii	EACH	20.000	20.000
1630	643.1050	Traffic Control Signs PCMS	DAY	2,445.000	2,445.000
1640	643.2000	Traffic Control Detour (Project) 01. 5310-02-70	EACH	1.000	1.000
1650	643.3000	Traffic Control Detour Signs	DAY	50,631.000	50,631.000
1660	645.0111	Geotextile Fabric Type Df Schedule A	SY	10,545.000	10,545.000
1670	645.0112	Geotextile Fabric Type Df Schedule B	SY	665.000	665.000
1680	645.0120	Geotextile Fabric Type Hr	SY	1,615.000	1,615.000
1690	645.0130	Geotextile Fabric Type R	SY	624.000	624.000
1700	646.0106	Pavement Marking Epoxy 4-Inch	LF	26,275.000	26,275.000
1710	646.0126	Pavement Marking Epoxy 8-Inch	LF	1,590.000	1,590.000
1720	646.0600	Removing Pavement Markings	LF	27,025.000	27,025.000
1730	647.0110	Pavement Marking Railroad Crossings Epoxy	EACH	2.000	2.000
1740	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	40.000	40.000
1750	647.0356	Pavement Marking Words Epoxy	EACH	4.000	4.000
1760	647.0456	Pavement Marking Curb Epoxy	LF	470.000	470.000
1770	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	700.000	700.000
1780	647.0606	Pavement Marking Island Nose Epoxy	EACH	14.000	14.000
1790	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	297.000	297.000
1800	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	3,831.000	3,831.000
1810	647.0955	Removing Pavement Markings Arrows	EACH	11.000	11.000
1820	649.0100	Temporary Pavement Marking 4-Inch	LF	26,535.000	26,535.000
1830	649.0300	Temporary Pavement Marking Reflective Tape 4-Inch	LF	3,700.000	3,700.000
1840	649.0701	Temporary Pavement Marking 8-Inch	LF	430.000	430.000
1850	649.1100	Temporary Pavement Marking Stop Line 18-Inch	LF	60.000	60.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5310-02-70 QUANTITY
1860	649.1700	Temporary Pavement Marking Arrows	EACH	11.000	11.000
1870	650.4000	Construction Staking Storm Sewer	EACH	145.000	145.000
1880	650.4500	Construction Staking Subgrade	LF	8,131.000	8,131.000
1890	650.5000	Construction Staking Base	LF	5,169.000	5,169.000
1900	650.5500	Construction Staking Curb Gutter And Curb & Gutter	LF	11,401.000	11,401.000
1910	650.6500	Construction Staking Structure Layout (Structure) 01. B-13-799	LS	1.000	1.000
1920	650.7000	Construction Staking Concrete Pavement	LF	3,989.000	3,989.000
1930	650.8000	Construction Staking Resurfacing Reference	LF	3,773.000	3,773.000
1940	650.8500	Construction Staking Electrical Installations (Project) 01. 5310-02-70 Signals	LS	1.000	1.000
1950	650.8500	Construction Staking Electrical Installations (Project) 02. 5310-02-70 Lighting	LS	1.000	1.000
1960	650.9910	Construction Staking Supplemental Control (Project) 01. 5310-02-70	LS	1.000	1.000
1970	650.9920	Construction Staking Slope Stakes	LF	8,261.000	8,261.000
1980	652.0125	Conduit Rigid Metallic 2-Inch	LF	24.000	24.000
1990	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,886.000	7,886.000
2000	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	4,409.000	4,409.000
2010	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	4,010.000	4,010.000
2020	652.0800	Conduit Loop Detector	LF	2,435.000	2,435.000
2030	653.0140	Pull Boxes Steel 24x42-Inch	EACH	62.000	62.000
2040	654.0101	Concrete Bases Type 1	EACH	14.000	14.000
2050	654.0102	Concrete Bases Type 2	EACH	8.000	8.000
2060	654.0200	Concrete Control Cabinet Bases Type 6	EACH	2.000	2.000
2070	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	2.000	2.000
2080	655.0260	Cable Traffic Signal 12-14 Awg	LF	4,559.000	4,559.000
2090	655.0610	Electrical Wire Lighting 12 Awg	LF	1,135.000	1,135.000
2100	655.0615	Electrical Wire Lighting 10 Awg	LF	26,998.000	26,998.000
2110	655.0620	Electrical Wire Lighting 8 Awg	LF	23,719.000	23,719.000
2120	655.0625	Electrical Wire Lighting 6 Awg	LF	9,846.000	9,846.000
2130	655.0630	Electrical Wire Lighting 4 Awg	LF	27,545.000	27,545.000
2140	655.0635	Electrical Wire Lighting 2 Awg	LF	3,876.000	3,876.000
2150	655.0700	Loop Detector Lead In Cable	LF	6,719.000	6,719.000
2160	655.0800	Loop Detector Wire	LF	5,483.000	5,483.000
2170	655.0900	Traffic Signal Evp Detector Cable	LF	845.000	845.000
2180	656.0100	Electrical Service Meter Socket (Location) 01. Ush 14 And Cth P	LS	1.000	1.000
2190	656.0100	Electrical Service Meter Socket (Location) 02. Ush 14 And Brewery Road	LS	1.000	1.000
2200	656.0200	Electrical Service Meter Breaker Pedestal (Location) 01. Ush 14 And Cth P	LS	1.000	1.000
2210	656.0200	Electrical Service Meter Breaker Pedestal (Location) 02. Ush 14 And Brewery Road	LS	1.000	1.000
2220	656.0200	Electrical Service Meter Breaker Pedestal (Location) 03. Sta 127+45.7, 41.0 'Lt	LS	1.000	1.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5310-02-70 QUANTITY
2230	656.0200	Electrical Service Meter Breaker Pedestal (Location) 04. Sta 146+68.5, 63.5' Rt	LS	1.000	1.000
2240	656.0500	Electrical Service Breaker Disconnect Box (Location) 01. Ush 14 And Cth P	LS	1.000	1.000
2250	656.0500	Electrical Service Breaker Disconnect Box (Location) 02. Ush 14 And Brewery Road	LS	1.000	1.000
2260	657.0100	Pedestal Bases	EACH	11.000	11.000
2270	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	5.000	5.000
2280	657.0310	Poles Type 3	EACH	9.000	9.000
2290	657.0415	Traffic Signal Standards Aluminum 11-Ft	EACH	5.000	5.000
2300	657.0420	Traffic Signal Standards Aluminum 13-Ft	EACH	6.000	6.000
2310	657.0425	Traffic Signal Standards Aluminum 15-Ft	EACH	2.000	2.000
2320	657.0585	Trombone Arms 15-Ft	EACH	3.000	3.000
2330	657.0590	Trombone Arms 20-Ft	EACH	3.000	3.000
2340	657.0595	Trombone Arms 25-Ft	EACH	2.000	2.000
2350	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-Ft	EACH	10.000	10.000
2360	658.0110	Traffic Signal Face 3-12 Inch Vertical	EACH	17.000	17.000
2370	658.0115	Traffic Signal Face 4-12 Inch Vertical	EACH	4.000	4.000
2380	658.0155	Traffic Signal Face 3-12 Inch Horizontal	EACH	2.000	2.000
2390	658.0215	Backplates Signal Face 3 Section 12-Inch	EACH	19.000	19.000
2400	658.0220	Backplates Signal Face 4 Section 12-Inch	EACH	4.000	4.000
2410	658.0500	Pedestrian Push Buttons	EACH	13.000	13.000
2420	658.0635	Led Modules Pedestrian Countdown Timer 16-Inch	EACH	13.000	13.000
2430	658.5069	Signal Mounting Hardware (Location) 01. Cth P	LS	1.000	1.000
2440	658.5069	Signal Mounting Hardware (Location) 02. Brewery Road	LS	1.000	1.000
2450	659.1115	Luminaires Utility Led A	EACH	10.000	10.000
2460	661.0200	Temporary Traffic Signals For Intersections (Location) 01. Ush 14 With Brewery Road	LS	1.000	1.000
2470	690.0150	Sawing Asphalt	LF	3,774.000	3,774.000
2480	690.0250	Sawing Concrete	LF	178.000	178.000
2490	715.0415	Incentive Strength Concrete Pavement	DOL	1,010.000	1,010.000
2500	715.0502	Incentive Strength Concrete Structures	DOL	3,510.000	3,510.000
2510	ASP.1T0A	On-The-Job Training Apprentice At $5. 00/Hr	HRS	3,500.000	3,500.000
2520	ASP.1T0G	On-The-Job Training Graduate At $5.00/Hr	HRS	2,000.000	2,000.000
2540	SPV.0035	Special 02. Coloring Concrete Tan	CY	95.000	95.000
2550	SPV.0045	Special 01. Seismograph Special	DAY	250.000	250.000
2560	SPV.0060	Special 01. Storm Sewer Tap	EACH	7.000	7.000
2570	SPV.0060	Special 03. Lighting Control Cabinet	EACH	2.000	2.000
2580	SPV.0060	Special 04. Decorative Lighting Assembly Lm-Sa	EACH	11.000	11.000
2590	SPV.0060	Special 05. Decorative Lighting Assmebly Lm-Sb	EACH	19.000	19.000
2600	SPV.0060	Special 06. Decorative Lighting Assembly Lm-Sc	EACH	14.000	14.000
2610	SPV.0060	Special 07. Decorative Lighting Assembly Lm-Da	EACH	12.000	12.000
2620	SPV.0060	Special 09. Manhole Covers Special Solid	EACH	39.000	39.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5310-02-70 QUANTITY
2630	SPV.0060	Special 10. Inlet Covers Special	EACH	24.000	24.000
2640	SPV.0060	Special 11. Inlet Covers Special Type L	EACH	80.000	80.000
2650	SPV.0060	Special 12. Street Lighting Concrete Bases	EACH	56.000	56.000
2660	SPV.0060	Special 13. Cover Plates Permanent	EACH	2.000	2.000
2670	SPV.0060	Special 14. Leopold Bench	EACH	1.000	1.000
2680	SPV.0060	Special 15. Boot Brush	EACH	1.000	1.000
2930	SPV.0060	Special 45. Traffic Signalpreempt Intersection Of Ush 14/ Brewery Road	EACH	1.000	1.000
2940	SPV.0060	Special 46. Traffic Signal Preempt Intersection Of Ush 14/Cth P	EACH	1.000	1.000
2980	SPV.0060	Special 51. Temporary Curb Ramp	EACH	95.000	95.000
2990	SPV.0060	Special 52. Construction Staking Curb Ramp	EACH	64.000	64.000
3000	SPV.0060	Special 53. Adjusting Monitoring Well	EACH	4.000	4.000
3010	SPV.0060	Special 54. Crack And Damage Survey Special	EACH	22.000	22.000
3020	SPV.0060	Special 55. Tree Trimming	EACH	5.000	5.000
3040	SPV.0060	Special 57. Salvage & Reinstall Landscaping Materials	EACH	23.000	23.000
3050	SPV.0085	Special 01. Bar Steel Reinforcement Hs Stainless Bridges	LB	3,140.000	3,140.000
3060	SPV.0090	Special 01. Asphalt Joint Adhesive	LF	11,187.000	11,187.000
3220	SPV.0090	Special 17. Pedestrian Safety Barrier	LF	13,940.000	13,940.000
3240	SPV.0090	Special 19. Construction Staking Sidewalk	LF	10,526.000	10,526.000
3250	SPV.0090	Special 20. Construction Staking Wall Modular Block Gravity	LF	535.000	535.000
3260	SPV.0105	Special 01. Salvage Fishery Sign	LS	1.000	1.000
3270	SPV.0105	Special 02. Research And Locate Existing Property Monuments	LS	1.000	1.000
3280	SPV.0105	Special 03. Verify And Replace Existing Property Monuments	LS	1.000	1.000
3290	SPV.0105	Special 04. Concrete Pavement Joint Layout	LS	1.000	1.000
3300	SPV.0105	Special 05. Timber Steps	LS	1.000	1.000
3310	SPV.0105	Special 06. Temporary Crosswalk Access (Ush 14 And Water Street)	LS	1.000	1.000
3320	SPV.0105	Special 07. Temporary Crosswalk Access (Ush 14 And Center Street)	LS	1.000	1.000
3330	SPV.0105	Special 08. Temporary Crosswalk Access (Ush 14 And Spring Street)	LS	1.000	1.000
3340	SPV.0105	Special 09. Temporary Crosswalk Access (Ush 14 And East Street)	LS	1.000	1.000
3350	SPV.0105	Special 10. Temporary Crosswalk Access (Ush 14 And Maple Street)	LS	1.000	1.000
3360	SPV.0105	Special 11. Temporary Crosswalk Access (Ush 14 And Hickory Street)	LS	1.000	1.000
3370	SPV.0105	Special 12. Temporary Crosswalk Access (Ush 14 And Wilson Street)	LS	1.000	1.000
3380	SPV.0105	Special 13. Temporary Crosswalk Access (Ush 14 And Mill Street)	LS	1.000	1.000
3390	SPV.0105	Special 14. Temporary Crosswalk Access (Ush 14 And American Legion Drive)	LS	1.000	1.000
3400	SPV.0105	Special 15. Temporary Crosswalk Access (Ush 14 And Caesar Street)	LS	1.000	1.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5310-02-70 QUANTITY
3410	SPV.0105	Special 16. Temporary Crosswalk Access (Ush 14 And Jovina Street)	LS	1.000	1.000
3420	SPV.0105	Special 17. Temporary Crosswalk Access (Ush 14 And Valley Street)	LS	1.000	1.000
3430	SPV.0105	Special 18. Temporary Crosswalk Access (Ush 14 And Eulalia Street)	LS	1.000	1.000
3440	SPV.0105	Special 19. Temporary Crosswalk Access (Ush 14 And Cth P)	LS	1.000	1.000
3450	SPV.0105	Special 20. Temporary Crosswalk Access (Ush 14 And Glaciers Edge Square)	LS	1.000	1.000
3460	SPV.0105	Special 21. Temporary Crosswalk Access (Ush 14 And Brewery Road)	LS	1.000	1.000
3470	SPV.0105	Special 22. Railing Steel Type C3 Galvanized B-13-799	LS	1.000	1.000
3480	SPV.0105	Special 23. Removing Traffic Signals Cth P & Ush 14 Intersection	LS	1.000	1.000
3500	SPV.0105	Special 26. Maintaining And Removing Temporary Traffic Signal (Ush 14 And Cth P)	LS	1.000	1.000
3510	SPV.0105	Special 27. Maintaining And Removing Temporary Traffic Signal (Cth P And Bourbon Road)	LS	1.000	1.000
3520	SPV.0105	Special 28. Maintaining And Removing Temporary Traffic Signal (Cth Kp And Bourbon Road)	LS	1.000	1.000
3530	SPV.0105	Special 29. Maintaining And Removing Temporary Traffic Sig Hillebrand Dr And Bourbon Rd	LS	1.000	1.000
3560	SPV.0165	Special 02. Colored And Stamped Concrete	SF	2,135.000	2,135.000
3570	SPV.0165	Special 03. Thermoplastic Asphalt Crosswalk	SF	597.000	597.000
3580	SPV.0180	Special 01. Geogrid Reinforcement	SY	48,270.000	48,270.000
3590	SPV.0180	Special 02. Temporary Pedestrian/Bicycle Access	SY	3,800.000	3,800.000
3600	SPV.0195	Special 01. Temporary Access Base Aggregate Dense 1 1/4-Inch	TON	5,000.000	5,000.000

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CLEARING AND GRUBBING

CATEGORY	STATION	-	STATION	LOCATION	201.0105 CLEARING (STA)	201.0120 CLEARING (ID)	201.0205 GRUBBING (STA)	201.0220 GRUBBING (ID)
0010	111+34			LT		24		24
STAGE 1	112+05			LT		42		42
	113+06			LT		24		24
	113+27			LT		18		18
	114+09			LT		24		24
	115+57			LT		48		48
	116+73			LT		20		20
STAGE2	117+91			LT		30		30
	120+18			LT		36		36
	120+50			LT		6		6
	122+60			LT		36		36
	123+00			LT		24		24
	123+29			LT		20		20
	123+62			LT		6		6
	124+32			LT		30		30
	124+64			LT		30		30
	124+78			RT		30		30
	124+82			LT		36		36
	125+02			RT		24		24
	125+04			LT		30		30
	125+30			LT		24		24
	125+37			RT		28		28
	125+64			LT		14		14
	127+90			LT		8		8
STAGE 3	139+77			RT				34
	140+11			RT				34
	141+16			LT		12		12
	141+72			LT		12		12
	142+48			RT				20
	143+04			LT		12		12
	143+14			LT		10		10
	143+23			LT		10		10
	143+39			LT		12		12
	143+59			RT				19
	143+62			LT		14		14
	143+80			RT				38
STAGE 4	130+77			LT		12		12
	133+13			LT		6		6
	133+78			LT		8		8
	133+92			LT		8		8
	137+52			RT		3		3
STAGE 5	150+04			LT		10		10
	151+38			RT		6		6
	151+49			RT		36		36
	152+22			RT		30		30
	153+00	-	158+00	RT	5		5	
	156+97			LT		4		4
	161+00	-	164+00	LT	4		4	
	164+45			LT		48		48
				TOTAL	9	865	9	1010

All quantities shown are associated with Category 0010 unless otherwise noted

REMOVING PAVEMENT

CATEGORY	STATION	-	STATION	LOCATION	204.0100 REMOVING PAVEMENT (SY)
	104+78	-	171+00	LT/RT	16,255
	UNDISTRIBUTED			LT/RT	200
				TOTAL	16,455

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	-	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE (SY)	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)	204.0120 REMOVING ASPHALTIC SURFACE MILLING (SY)
STAGE 2	10+54'H'	-	10+64'H'	LT/RT		33	
STAGE 3	10+77'L'	-	10+87'L'	LT/RT		36	
	10+97'M'	-	11+07'M'	LT/RT		36	
	10+98'N'	-	11+08'N'	LT/RT		34	
STAGE 4	10+63'I'	-	10+73'I'	LT/RT		33	
	11+09'J'	-	11+19'J'	LT/RT		36	
	11+00'K'	-	11+10'K'	LT/RT		36	
STAGE 5	154+50	-	172+75	RT	1915		
	17+44'P'	-	17+54'P'	LT/RT		44	
	170+00	-	171+90	LT/RT			505
	171+90	-	172+00	LT/RT		25	
STAGE 6	73+48 'O'		73+58 'O'	LT/RT		25	
	73+58 'O'		107+64 'O'	LT/RT			16,125
	107+64 'O'		107+74 'O'	LT/RT		25	
	107+98 'O'		108+08 'O'	LT/RT		25	
	108+08 'O'		111+40 'O'	LT/RT			1,545
	111+40 'O'		111+50 'O'	LT/RT		25	
				TOTAL	1,915	413	18,175

REMOVING CURB

CATEGORY	LOCATION	204.0130 REMOVING CURB (LF)
0010	UNDISTRIBUTIED	100
	TOTAL	100

REMOVING FENCE

CATEGORY	STATION	-	STATION	204.0170 REMOVING FENCE (LF)
0010	160+83	-	163+75	350
			TOTAL	350

REMOVING CURB & GUTTER

CATEGORY	STATION	-	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER (LF)
0010	105+27	-	110+95	RT	568
STAGE 1	104+82	-	107+53	LT	336
	107+90	-	110+95	LT	350
	111+25	-	114+25	LT	335
	111+45	-	117+50	RT	630
	114+55	-	117+47	LT	340
STAGE 2	117+78	-	120+68	LT	330
	117+78	-	146+00	RT	2,860
	120+95	-	123+92	LT	365
	124+20	-	127+17	LT	335
	127+42	-	130+45	LT	355
STAGE 4	130+75	-	132+00	LT	325
	132+30	-	137+05	LT	595
	137+35	-	139+55	LT	330
STAGE 3	139+97	-	142+55	LT	340
	142+85	-	145+10	LT	290
	145+40	-	146+00	LT	110
STAGE 5	15+35 'P'	-	17+44 'P'	LT	209
	15+45 'P'	-	16+75 'P'	CL	95
	17+44 'P'	-	149+00	RT/LT	280
	148+00	-	152+00	RT	400
	149+00	-	154+45	LT	600
	154+90	-	159+75	LT	670
	160+20	-	160+65	LT	205
	164+00	-	164+50	LT	110
	164+85	-	165+40	LT	80
0020	8+18'E'	-	9+55'E'	LT	137
STAGE 2	8+70'E'	-	9+55'E'	RT	85
0010				TOTAL	11,443
0020				TOTAL	222
				TOTAL	11,665

REMOVING CONCRETE BASES

CATEGORY	STATION	-	STATION	204.0195 REMOVING CONCRETE BASES (EACH)
0010	UNDISTRIBUTED			8
			TOTAL	8

ABANDONING WELLS

CATEGORY	LOCATION	204.0265 WELL ABANDONMENT (EACH)
0010	UNDISTRIBUTED	4
	TOTAL	4

REMOVING STORM SEWER

CATEGORY	STATION		STATION	LOCATION	204.0210 REMOVING MANHOLES (EACH)	204.0220 REMOVING INLETS (EACH)	204.0245.01 REMOVING STORM SEWER 8-INCH (LF)	204.0245.02 REMOVING STORM SEWER 12-INCH (LF)	204.0245.05 REMOVING STORM SEWER 15-INCH (LF)	204.0245.03 REMOVING STORM SEWER 18-INCH (LF)	204.0245.04 REMOVING STORM SEWER 24-INCH (LF)	204.0250 ABANDONING MANHOLES (EACH)	204.0280 SEALING PIPES (EACH)	204.0291.S ABANDONING SEWER (CY)	COMMENTS
0010	104+85	-	108+72	LT				387							TIE-IN PIECES FROM NORTH, SOUTH AND WEST
STAGE 1	104+85			23'RT				24							
	104+86			RT	1										
	107+25			LT		1									
	107+35			LT	1										
	107+37			LT		1									
	107+37	-	108+72	LT				135							
	107+50			LT									1		
	108+10			LT/RT				42							
	108+10			LT	1										
	108+10			RT		1									
	108+20			LT		1									
	108+72			LT		1									
	111+22			LT	1										
	111+23			LT	1						30				
	111+23	-	111+25	LT/RT							40				
	111+23	-	111+45	LT				22							
	111+24	-	111+47	LT				23							
	111+25			LT/RT				70							
	111+25			RT	1						25		1		
	111+25	-	111+60	RT				35							
	111+27	-	111+63	RT				36							
	111+45			LT		1									
	111+60			RT		1							1		
	114+20			LT		1									
	114+20	-	114+60	LT				40							
	114+60			LT/RT				55							
	114+60			LT		1									
	114+60			RT									1		
	117+28			LT		1									
	117+30	-	11810	LT				80							
	117+32			LT		1									
	117+32	-	117+60	LT				28							
STAGE 2	117+60			LT	1						40				
	117+60	-	118+05	LT							45				
	117+74			LT	1										
	117+82			RT		1				25			1		
	117+90			LT		1									
	117+90			RT		1							1		
	117+90	-	118+05	LT				15							
	009+00	-	1055	RT				155							
	9+00'E'			RT									1		
	9+65'E'			RT		1							1		
	9+70'E'			RT					8						
	118+00			RT									1		
	118+03			LT	1										
	118+05			LT/RT							40				
	118+05			LT	1										
	124+38			LT/RT				47							
	124+38			LT		1									

-CONTINUED ON NEXT PAGE

All quantities shown are associated with Category 0010 unless otherwise noted

REMOVING STORM SEWER - CONTINUED

CATEGORY	STATION	-	STATION	LOCATION	204.0210 REMOVING MANHOLES (EACH)	204.0220 REMOVING INLETS (EACH)	204.0245.01 REMOVING STORM SEWER 8-INCH (LF)	204.0245.02 REMOVING STORM SEWER 12-INCH (LF)	204.0245.05 REMOVING STORM SEWER 15-INCH (LF)	204.0245.03 REMOVING STORM SEWER 18-INCH (LF)	204.0245.04 REMOVING STORM SEWER 24-INCH (LF)	204.0250 ABANDONING MANHOLES (EACH)	204.0280 SEALING PIPES (EACH)	204.0291.S ABANDONING SEWER (CY)	COMMENTS
	124+38			RT		1							1		
	124+40			LT/RT				45							
	127+05			LT		1					10				
	127+05	-	127+37	LT				30							
	127+05	-	127+10	LT							25				
	127+10			LT/RT							50				
	127+10			LT	1										
	127+37			LT		1									
	129+10			LT/RT		2		45					1		
STAGE 3	139+40			LT/RT				85							
	139+40			LT		1									
	141+10			LT		1									
	141+10			RT			60						1		
	142+50			LT		1									
	142+50	-	143+07	LT				95							
	142+90			LT		1									
	143+03			LT		1									
	143+03	-	143+07	LT				5							
	143+07			LT	1										
	143+07	-	144+15	RT						108					
	144+93			LT		1							1		
	144+93	-	145+25	LT				40							
	145+25			LT		1									
STAGE 4	132+20			LT	1										
	132+72			LT/RT				40							
	132+72			RT		1							1		
	132+72	-	132+92	LT				20							
	132+92			LT		1									
	11+09 'J'	-	132+72	LT				100							
	136+75			LT/RT			45								
	136+75			RT									1		
	136+75			LT		1									
STAGE 5	146+75			LT/RT				65							
	146+75			LT	1										
	146+75			RT									1	22	ABANDON PIPE P-D
	146+75	-	148+50	LT				75							
	146+90			LT		1									
	148+50			LT		1									
	151+78			LT		2									
	159+60	-	160+50	LT							90				
	159+62			LT		1									
	160+40			LT		1									
	160+40			RT									1		
	160+40	-	160+50	LT				35							
	160+50			LT/RT							40				
	160+50			LT	1										
	160+50	-	162+50	LT							200				
	162+50			LT	1										
	162+50	-	165+05	LT				260							
	162+70			LT		1									
	164+05			LT		1									
	164+55			LT		1									
	165+05			LT		1									
	13+95'P'			LT								1			
				TOTAL	16	41	105	2,134	8	133	635	1	17	22	

All quantities shown are associated with Category 0010 unless otherwise noted

3

REMOVING SIDEWALK

CATEGORY	STATION	-	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK (SY)
STAGE 1	105+28	-	110+10	RT	437
	104+77	-	107+43	LT	220
	10+25 'B'	-	10+35 'B'	LT	90
	108+00	-	110+83	LT	105
	10+20 'C'	-	10+15 'C'	LT	11
	110+10	-	110+85	RT	100
	111+40	-	117+41	RT	360
	111+50	-	116+10	RT	317
	10+52 'E'	-	10+27 'E'	RT	11
STAGE 2	117+80	-	122+20	LT	240
	117+82	-	122+05	RT	311
	116+10	-	117+40	RT	86
	122+05	-	132+00	RT	750
	122+20	-	123+80	LT	100
	124+23	-	127+00	LT	198
	10+30 'H'	-	10+54 'H'	LT	40
	127+45	-	130+35	LT	195
	10+45 'I'	-	10+65 'I'	LT	9
	10+25 'I'	-	10+65 'I'	RT	22
STAGE 3	139+85	-	142+50	LT	118
	142+85	-	144+95	LT	93
	144+55	-	145+50	RT	40
	145+35	-	146+20	LT	38
	15+40 'P'	-	17+45 'P'	LT	114
STAGE 4	130+75	-	132+30	LT	93
	10+25 'J'	-	10+60 'J'	RT	19
	132+00	-	144+55	RT	743
	132+75	-	136+85	LT	265
	10+25 'K'	-	11+00 'K'	LT	33
	10+25 'K'	-	11+00 'K'	RT	58
	137+35	-	139+40	LT	114
STAGE 5	146+80	-	147+20	LT	18
	15+60 'P'	-	17+45 'P'	RT	82
	148+25	-	150+50	LT	108
	150+50	-	154+37	LT	210
	155+00	-	159+60	LT	269
	10+25 'R'	-	11+85 'R'	LT	71
	160+10	-	164+50	LT	196
				TOTAL	6,284

FINISHING ROADWAY

CATEGORY	LOCATION	213.0100 FINISHING ROADWAY (EACH)
0010	PROJECT LIMITS	1
	TOTAL	1

REMOVING QUARRY LIMESTONE RETAINING WALLS

CATEGORY	STATION	-	STATION	LOCATION	204.9090.S.01 REMOVING QUARRY LIMESTONE RETAINING WALLS (LF)
0010	116+30	-	117+45	LT	66
STAGE 2	10+25 'F'	-	10+50 'F'	RT	38
STAGE 3	139+85	-	141+85	LT	200
STAGE 4	132+65	-	133+20	LT	70
	133+75	-	135+05	LT	135
	135+23	-	135+40	LT	25
	135+45	-	136+00	LT	65
				TOTAL	599

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

CATEGORY	STATION	-	STATION	LOCATION	205.0501.S EXCAVATION, HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL (TON)
0010	106+00	-	107+50	RT	60
	106+00	-	108+75	LT	2,200
	110+00	-	110+50	RT	90
	132+25	-	133+00	RT	140
	144+50	-	145+50	LT-RT	50
	147+00	-	148+75	RT	300
	150+00	-	151+25	RT	970
	146+75	-	147+75	LT	75
				TOTAL	3,885

BACKFILL COARSE AGGREGATE

CATEGORY	STATION	-	STATION	LOCATION	209.0300.S.01 BACKFILL COARSE AGGREGATE SIZE NO. 2 (CY)
0060	10+00	-	10+45	LT/RT	150
	12+49	-	13+69	RT	480
	14+01	-	15+01	RT	230
	16+60	-	16+85	LT/RT	74
				TOTAL	934

BASE AGGREGATE

CATEGORY	STAGE	STATION	-	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	312.0110 SELECT CRUSHED MATERIAL (TON)
0010	STAGE 1	104+78	-	105+60	LT		175	140
		105+60	-	111+50	LT/RT		2,140	1,700
		111+50	-	117+50	LT/RT		1,980	1,575
		10+20 'B'	-	10+64 'B'	LT/RT		150	120
		10+20 'C'	-	10+49 'C'	LT/RT		85	70
		10+20 'D'	-	10+48 'D'	LT/RT		100	80
	STAGE 2	117+50	-	126+75	LT/RT		3,050	2,430
		126+75	-	130+47	LT/RT		865	1,375
		10+20 'E'	-	10+56 'E'	LT/RT		95	150
		8+10 'E'	-	9+75 'E'	LT/RT		270	245
		10+20 'F'	-	10+55 'F'	LT/RT		50	430
		10+20 'G'	-	10+50 'G'	LT/RT		55	90
		10+20 'H'	-	10+54 'H'	LT/RT		55	90
		SOUTH (ACROSS FROM WILSON)			LT/RT		60	95
	STAGE 3	139+40		142+16	LT/RT		675	1,075
		142+16	-	146+50	LT/RT		1,450	3,460
		9+50 'L'	-	9+80 'L'	LT/RT		40	95
		10+30 'L	-	10+63 'L'	LT/RT		80	190
		10+50 'M'	-	10+97 'M'	LT/RT		80	190
		10+60 'N'	-	10+98 'N'	LT/RT		65	150
	STAGE 4	130+47	-	137+87	LT/RT		1,270	2,015
		137+87	-	139+40	LT/RT		280	445
		10+20 'I'	-	10+64 'I'	LT/RT		75	115
		10+20 'J'	-	11+09 'J'	LT/RT		155	245
		10+00 'K'	-	11+00 'K'	LT/RT		175	275
	STAGE 5	146+50	-	148+00	RT		195	470
		146+50	-	149+00	LT		460	1,095
		149+00	-	154+26	LT/RT		3,685	4,400
		154+26	-	160+35	LT/RT		2,980	3,550
		160+35	-	165+00	LT/RT		2,880	
		165+00	-	166+64	LT/RT		990	1,180
		166+64	-	170+00	LT/RT		1,535	1,830
		167+18	-	172+75	RT	70		
		170+00	-	172+75	LT/RT		610	980
		15+50 'P'	-	16+00 'P'	LT/RT		245	585
		16+00 'P'	-	17+44 'P'	LT/RT		460	1,095
		10+40 'O'	-	10+77 'O'	LT/RT		155	185
		10+40 'R'	-	11+85 'R'	LT/RT		545	650
		10+40 'S'	-	11+40 'S'	LT/RT		335	400
		160+35	-	165+00	LT/RT			3,435
0020	STAGE 1	105+90	-	106+48	RT		27	22
		111+50	-	117+50	RT		220	175
	STAGE 2	117+50	-	126+75	RT		340	270
0010					TOTAL	70	28,550	36,700
0020					TOTAL	0	587	467
					TOTAL	70	29,137	37,167

***QUANTITIES LISTED ELSEWHERE**

All quantities shown are associated with Category 0010 unless otherwise noted

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET 238	E

X:\3230900-113688.11\TECH\Misc Quantities

PLOT SCALE : 100.0 :1.0

EARTHWORK SUMMARY

CATEGORY	STATION	-	STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT FROM EW DATA (CY)	205.0400 EXCAVATION MARSH (2) EBS (CY)	(2A) SALVAGED/ UNUSABLE PAVEMENT MATERIAL (CY)	(3) REDUCED EBS IN FILL FACTOR = 0.8 (CY)	312.0115 SELECT CRUSHED MATERIAL (4) EXPANDED EBS BACKFILL FACTOR = 1.3 (CY)	(5) EXPANDED FILL FROM EW DATA (CY)	(6) EXPANDED FILL (CY)	(7) MASS ORDINATE (CY)	208.0100 BORROW (8) BORROW (CY)	WASTE (CY)	REMARKS
	STAGE 1														
0010	104+78	-	117+50	USH 14	6,271					114	114	6,157			
	10+50'B'	-	10+64'B'	WATER STREET	69							69			
	10+40'C'	-	10+49'C'	CENTER STREET	35							35			
	10+40'D'	-	10+48'D'	SPRING STREET	32							32			
0020	111+50	-	117+50	USH 14	250							250			
	STAGE 1 SUBTOTAL				6,657					114	114	6,543		6,543	
	STAGE 2														
0010	117+50	-	130+71	USH 14	6,441					19	19	6,422			
	10+50'E'	-	10+56'E'	EAST STREET (NORTH)	23							23			
	10+40'F'	-	10+55'F'	MAPLE STREET	56							56			
	10+40'G'	-	10+50'G'	HICKORY STREET	39							39			
	10+22'H'	--	10+54'H'	WILSON STREET	132							132			
	10+63	-	11+21	LAGOON STREET (WEST)	264							264			
	10+16'I'	-	10+63'I'	MILL STREET	214							214			
0020	117+50	-	126+75	USH 14	385							385			
	8+17'E'	-	9+50'E'	EAST STREET (SOUTH)	473					12	12	461			
0060	9+75	-	16+50	LAGOON STREET SWALE	1,782					1,425	1,425	357			
	STAGE 2 SUBTOTAL				9,809					1456	1,456	8,353		8,353	
	STAGE 3														
0010	139+50	-	146+00	USH 14	3,710					261	261	3,449			
	10+30'L'	-	10+77'L'	JOVINA STREET	241							241			
	24+18	-	24+51	LAGOON STREET (EAST)	131					6	6	125			
	10+46'M'	-	10+97'M'	VALLEY STREET	320							320			
	10+54'N'	-	10+98'N'	EULALIA STREET	278							278			
	STAGE 3 SUBTOTAL				4,680					267	267	4,413		4,413	
	STAGE 4														
0010	130+71	-	139+50	USH 14	3,361					6	6	3,355			
	10+18'J'	-	11+09'J'	AMERICAN LEGION DRIVE	327					2	2	325			
	10+17'K'	-	11+00'K'	CAESAR STREET	356							356			
	STAGE 4 SUBTOTAL				4,044					8	8	4,036		4,036	
	STAGE 5														
0010	154+50	-	172+00	USH 14 TEMP	1,781					615	615	1,166			TEMP. WIDENING
	146+00	-	172+00	USH 14	19,059					1,162	1,162	17,897			
	15+52'P'	-	17+43'P'	CTH P	1,644					4	4	1,640			
	10+26'Q'	-	10+77'Q'	GLACIERS EDGE PLAZA	352							352			
	10+42'R'	-	11+85'R'	BREWERY ROAD	848					3	3	845			
	10+37'S'	-	11+40'S'	WESTVIEW COURT	933					2	2	931			
	STAGE 5 SUBTOTAL				24,617					1,786	1,786	22,831		22,831	
0010					46,917					2,194	2,194	44,723		44,723	
0020					1,108					12	12	1,096		1,096	
0060					1,782					1,425	1,425	357		357	
	PROJECT			TOTAL	49,807					3,631	3,631	46,176		46,176	

(1) COMMON FROM COMPUTER EARTHWORK DATA, INCLUDES PAVEMENT REMOVAL(CONTAINS SALVAGED/UNUSABLE PAVEMENT MATERIAL)
(2) UNDISTRIBUTED EBS
EBS AREAS TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL
EBS IS ESTIMATED AS AN UNDISTRIBUTED QUANTITY
EBS QUANTITIES ARE USED IN EARTHWORK BALANCE
(2A) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(3) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.8
(4) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL
(5) EXPANDED FILL FROM COMPUTER EARTHWORK DATA
(6) EXPANDED FILL. FACTOR = 1.3
EXPANDED FILL = EW DATA FILL - REDUCED EBS IN FILL
(7) MASS ORDINATE IS + OR - QUANTITY FOR STAGE . PLUS IS EXCESS, MINUS IS SHORTAGE.
(8) BORROW TO BE OBTAINED FROM LOCATION OF CONTRACTOR'S CHOICE.

HMA PAVEMENT

CATEGORY	STAGE	STATION	-	STATION	LOCATION	455.0105 ASPHALTIC MATERIAL PG58-28 (TON)*	455.0120 ASPHALTIC MATERIAL PG64-28 (TON)*	455.0605 TACK COAT (GAL)	460.1103 HMA PAVEMENT TYPE E-3 (TON) *	460.4000 HMA COLD WEATHER PAVING (TON)
0010	STAGE 1	104+78	-	117+50	LT/RT	68	30	785	1,855	
		10+20 'C'	-	10+49 'C'	LT/RT	2	1	20	45	
		10+20 'B'	-	10+64 'B'	LT/RT	3	1	30	70	
		10+20 'D'	-	10+48 'D'	LT/RT	2	1	20	45	
	STAGE 2	117+50	-	126+75	LT/RT	55	22	585	1,380	
		10+20 'E'	-	10+56 'E'	LT/RT	2	1	20	45	
		8+10 'E'	-	9+75 'E'	LT/RT	4	3	55	125	
		10+20 'F'	-	10+55 'F'	LT/RT	2	1	20	45	
		10+20 'G'	-	10+50 'G'	LT/RT	2	1	20	45	
	STAGE 5	149+00	-	172+75	LT/RT	204	88	2,062	4,870	1480
		10+20 'Q'	-	10+77 'Q'	LT/RT	3	1	36	85	30
		10+20 'R'	-	11+85 'R'	LT/RT	8	4	90	210	65
		10+00 'S'	-	11+40 'S'	LT/RT	23	2	61	145	45
	STAGE 6	73+48 'O'	-	107+75 'O'	LT/RT		102	1,126	1,850	
		107+98 'O'	-	115+50 'O'	LT/RT		10	110	180	
0020		105+90	-	106+48	RT	0.5	0.2	6	13	
		111+50	-	117+50	RT	3.8	1.7	40	99	
	STAGE 2	117+50	-	126+75	RT	5.9	2.6	64	154	
0010				TOTAL		378	268	5,040	10,995	1,620
0020				TOTAL		10	5	110	266	
PROJECT				TOTAL		388	273	5,150	11,261	1,620

***QUANTITIES LISTED ELSEWHERE**

COLORING CONCRETE

CATEGORY	STATION	-	STATION	LOCATION	405.0100 COLORING CONCRETE RED (CY)
0040	126+94	-	127+00	LT/RT	6.4
STAGE 2	127+05	-	127+39	LT	5.8
	127+06	-	127+48	RT	5.3
	127+55	-	127+61	LT/RT	6.5
	130+14	-	130+19	LT/RT	5.0
	130+34	-	130+72	LT	6.8
STAGE 3	139+40	-	139+77	RT	4.7
	139+45	-	139+88	LT	6.1
	140+00	-	140+06	LT/RT	8.0
	142+24	-	142+30	LT/RT	9.5
	142+48	-	142+93	LT	7.5
	144+85	-	145+39	LT	7.2
	146+43	-	146+49	LT/RT	9.8
	146+77	-	147+14	RT	5.3
STAGE4	130+75	-	130+81	LT/RT	5.2
	132+48	-	132+79	LT	3.8
	132+87	-	132+93	LT/RT	4.8
	136+73	-	136+79	LT/RT	5.0
	136+88	-	137+33	LT	7.3
	139+25	-	139+31	LT/RT	6.1
STAGE5	147+22	-	147+64	RT	6.3
	146+86	-	147+40	LT	7.4
	147+53	-	147+74	LT	3.2
	147+96	-	148+14	LT	3.2
	147+83	-	147+89	LT/RT	11.2
				TOTAL	157.4

All quantities shown are associated with Category 0010 unless otherwise noted

DRIVEWAYS

CATEGORY	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	416.0160 CONCRETE DRIVEWAY 6-INCH (SY)	416.0260 CONCRETE DRIVEWAY HES 6-INCH (SY)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)
0010	106+09	LT	6	17		
STAGE 1	106+65	RT	12	35		
	107+74	RT	22	67		
	109+36	RT	7	20		
	110+41	RT	12	37		
	112+20	LT	16	48		
	112+91	LT	9	27		
	113+25	RT	13	39		
	114+25	RT	7	20		
	114+64	RT	9	26		
	115+15	LT	10	31		
	115+45	LT	5	14		
	115+51	RT	11	32		
	116+16	LT	14	42		
	116+22	RT	15	44		
	8+90'E'	LT	3			2
STAGE 2	118+52	RT	34	102		
	118+75	LT	10	29		
	119+68	LT	14	43		
	119+88	RT	5	16		
	120+33	RT	16	47		
	121+01	RT	8	24		
	121+95	RT	8	23		
	122+25	LT	13	38		
	122+90	LT	12	37		
	123+05	RT	7	21		
	123+78	RT	8	23		
	124+40	RT	8	24		
	125+21	RT	12	37		
	125+46	LT	8	24		
	125+84	RT	8	24		
	126+15	LT	16	47		
	126+50	RT	3	10		
	128+28	LT	15	45		
STAGE3	138+52	LT	27	30		6
	10+59'L'	LT	14			5
	142+00	LT	47	27		13
	10+97'N'	LT	7	20		
	16+00'P'	LT	31	94		
STAGE4	130+60	RT	17			6
	131+20	LT	6	18		
	132+90	RT	14			5
	10+95'J'	RT	17			6
	135+50	RT	5	16		
	136+15	LT	15	46		
	136+43	RT	5	16		
	137+65	RT	8	25		
	137+75	LT	25	23		6
STAGE 5	150+37	LT	12	28		1
	151+14	RT	30	86		

***QUANTITIES LISTED ELSEWHERE**

-CONTINUED ON NEXT PAGE

DRIVEWAYS - CONTINUED

CATEGORY	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	416.0160 CONCRETE DRIVEWAY 6-INCH (SY)	416.0260 CONCRETE DRIVEWAY HES 6-INCH (SY)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)
	151+56	LT	28	32		6
	152+22	LT	25	39		4
	152+58	RT	12	19		2
	153+95	LT	25	39		4
	156+52	LT	28	24		7
	11+82'R'	RT	5	10		
	11+25'S'	LT	21	62		
	UNDIST				100	
		TOTAL	800	1,767	100	73

***QUANTITIES LISTED ELSEWHERE**

CONCRETE PAVEMENT

STAGE	STATION	-	STATION	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH (SY)	415.1080 CONCRETE PAVEMENT HES 8-INCH (SY)
STAGE 2	126+75	-	130+39	LT/RT	1,575	
	10+20 'H'	-	10+54 'H'	LT/RT	115	
	LAGOON STREET			LT/RT	130	
STAGE 3	139+22	-	146+34	LT/RT	4,495	
	9+50 'L'	-	9+80 'L'	LT/RT	195	
	10+30 'L'	-	10+77 'L'	LT/RT	115	
	10+50 'M'	-	10+97 'M'	LT/RT	245	
	10+60 'N'	-	10+98 'N'	LT/RT	190	
STAGE 4	130+39	-	139+22	LT/RT	3,195	
	10+20 'I'	-	10+64 'I'	LT/RT	185	
	10+20 'J'	-	11+10 'J'	LT/RT	300	
	10+00 'K'	-	11+00 'K'	LT/RT	300	
STAGE 5	146+34	-	149+00	LT/RT	2,040	500
	14+45 'P'	-	17+44 'P'	LT/RT	1,440	
	160+14	-	160+29	LT/RT	115	
				TOTAL	14,635	500

APPROACH SLAB

CATEGORY	STATION	-	STATION	415.0410 CONCRETE PAVEMENT APPROACH SLAB (SY)
0010	143+93	-	144+08	123
	144+37	-	144+52	132
			TOTAL	255

ASPHALTIC SURFACE TEMPORARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	465.0125 ASPHALTIC SURFACE TEMPORARY (TON)
0010	STAGE 5, PHASE 1	154+50	-	172+75	RT	610
					TOTAL	610

All quantities shown are associated with Category 0010 unless otherwise noted

DRILLED TIE BARS

CATEGORY	STATION	-	STATION	LOCATION	416.0610 DRILLED TIE BARS (EACH)
0010	146+00	-	147+91	RT	97
			TOTAL		97

ASPHALTIC SURFACE

STAGE	STATION	-	STATION	LOCATION	465.0105 ASPHALTIC SURFACE (TON)
STAGE 2	10+54'H'	-	10+64'H'	LT/RT	4
STAGE 3	10+77'L'	-	10+87'L'	LT/RT	4
	10+97'M'	-	11+07'M'	LT/RT	4
	10+98'N'	-	11+08'N'	LT/RT	4
STAGE 4	10+63'I'	-	10+73'I'	LT/RT	4
	11+09'J'	-	11+19'J'	LT/RT	4
	11+00'K'	-	11+10'K'	LT/RT	4
STAGE 5	17+44'P'	-	17+54'P'	LT/RT	5
				TOTAL	33

ASPHALTIC SURFACE PATCHING

CATEGORY	STATION	LOCATION	465.0110 ASPHALTIC SURFACE PATCHING (TON)
0010	UNDISTRIBUTED		25
		TOTAL	25

MASONRY ANCHORS

CATEGORY	STATION	-	STATION	LOCATION	502.5005 MASONRY ANCHORS TYPE L NO. 5 BARS (EACH)
0010	12+57.50'P'	-	12+72'P'	LT	32
			TOTAL		32

WALL MODULAR BLOCK GRAVITY

LOCATION	STATION	-	STATION	532.0200.S WALL MODULAR BLOCK GRAVITY (SF)	SPV.0090.20 CONSTRUCTION STAKING WALL MODULAR BLOCK GRAVITY (LF)
WALL 1	132+73	-	133+20	156	56
WALL 2	133+74	-	135+04	265	132
WALL 3	135+22	-	135+38	85	22
WALL 4	135+43	-	135+82	200	53
WALL 5	135+86	-	136+01	80	29
WALL 6	139+94	-	141+43	396	158
WALL 7	141+47	-	141+60	67	22
WALL 8	163+60	-	164+20	283	63
			TOTAL	1,532	535

CONCRETE CURB & GUTTER

CATEGORY	STATION	-	STATION	LOCATION	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)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB AND GUTTER (LF)
0010	104+82	-	107+31	LT		242	107	349
STAGE 1	105+27	-	117+18	RT		1,203	65	1,268
	107+31	-	10+42'B'	NW RETURN		32		32
	10+42'B'	-	10+64'B'	LT		18		18
	10+57'B'	-	10+64'B'	RT		9		9
	10+64'B'	-	108+26	NE RETURN		55		55
	108+18	-	109+72	MEDIAN		319		319
	108+26	-	110+68	LT		242		242
	110+68	-	10+45'C'	NW RETURN		36		36
	10+45'C'	-	10+49'C'	LT		3		3
	10+45'C'	-	10+49'C'	RT		3		3
	10+45'C'	-	111+50	NE RETURN		36		36
	111+50	-	114+04	LT		255		255
	114+04	-	10+39'D'	NW RETURN		28		28
	10+39'D'	-	10+48'D'	LT		8		8
	10+43'D'	-	10+48'D'	RT		5		5
	10+43'D'	-	114+78	NE RETURN		32		32
	114+78	-	117+28	LT		251		251
	117+29	-	10+41'E'	NW RETURN		29		29
	10+41'E'	-	10+56'E'	LT		14		14
	117+18	-	9+49'E'	SW RETURN		45		45
	9+49'E'	-	8+15'E'	LT		134		134
STAGE 2	8+53'E'	-	9+55'E'	RT		102		102
	9+55'E'	-	118+03	SE RETURN		31	15	46
	10+55'E'	-	10+47'E'	RT		8		8
	10+47'E'	-	118+02	NE RETURN		41	20	61
	118+02	-	120+43	LT		242		242
	118+03	-	126+75	RT		871		871
	120+43	-	10+44'F'	NW RETURN		31		31
	10+44'F'	-	10+53'F'	LT		9		9
	10+44'F'	-	10+53'F'	RT		9		9
	10+44'F'	-	121+22	NE RETURN		41		41
	121+22	-	123+66	LT		245		245
	123+66	-	10+45'G'	NW RETURN		31		31
	10+45'G'	-	10+49'G'	LT		4		4
	10+44'G'	-	10+49'G'	RT		5		5
	10+49'G'	-	124+45	NE RETURN		40		40
	124+45	-	126+00	LT		232		232
	126+75	-	126+92	LT	17			
	126+75	-	126+84	RT	9			
	126+84	-	11+21	SW RETURN	71		23	23
	11+21	-	127+70	SE RETURN	53			
	126+92	-	10+41'H'	NW RETURN	22			
	10+41'H'	-	10+54'H'	LT	13			
	10+43'H'	-	10+54'H'	RT	11			
	10+43'H'	-	127+59	NE RETURN	32			
	127+59	-	130+14	LT	254			
	127+70	-	139+22	RT	1,187		151	151
	139+22	-	24+18	SW RETURN	49		24	24
	130+14	-	10+48'I'	NW RETURN	40			
	24+18	-	139+94	SE RETURN	45		11	11
	10+48'I'	-	10+63'I'	LT	15			
STAGE 3	10+69'L'	-	10+77'L'	RT	7			
	10+69'L'	-	140+11	NE RETURN	42			
	140+08		142+24	MEDIAN	444			

-CONTINUED ON NEXT PAGE

CONCRETE CURB & GUTTER - CONTINUED

CATEGORY	STATION	-	STATION	LOCATION	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)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB AND GUTTER (LF)
	139+94	-	146+00	RT	605			
	140+11	-	142+27	LT	212			
	142+27	-	10+63'M'	NW RETURN	32		20	20
	10+63'M'	-	10+97'M'	LT	34			
	10+79'M'	-	10+87'M'	RT	9			
	10+79'M'	-	143+11	NE RETURN	41		12	12
	143+19		146+69	MEDIAN	716			
	143+11	-	144+71	LT	166			
	144+71	-	10+64'N'	NW RETURN	25		13	13
	10+64'N'	-	10+97'N'	LT	33			
	10+99'N'	-	145+56	NE RETURN	46			
	145+56	-	146+51	LT	95			
	146+51	-	15+69'P'	NW RETURN	62			
	15+69'P'	-	17+44'P'	LT	198			
	15+49'P'	-	16+23'P'	MEDIAN	164			
	15+62'P'	-	15+98'P'	MEDIAN	106			
	16+02'P'	-	17+44'P'	RT	134			
	16+02'P'	-	148+55	NE RETURN	58		15	15
STAGE 4	10+32'I'	-	10+63'I'	RT	31			
	10+32'I'	-	130+89	NE RETURN	30		20	20
	130+89	-	132+44	LT	158			
	132+44	-	10+46'J'	NW RETURN	29			
	10+46'J'	-	11+09'J'	LT	63			
	10+25'J'	-	11+09'J'	RT	85			
	10+25'J'	-	132+90	NE RETURN	25			
	132+90	-	136+68	LT	378			
	136+68	-	10+30"K'	NW RETURN	30		18	18
	10+30'K'	-	11+00'K'	LT	70			
	10+55'K'	-	11+00'K'	RT	45			
	10+55'K'	-	137+54	NE RETURN	43		20	20
	137+54	-	139+25	LT	174		76	76
	139+25	-	10+42'L'	NW RETURN	29		24	24
	10+42'L'	-	10+77'L'	LT	35			
STAGE 5	147+74		149+00	MEDIAN	252			
	148+55	-	149+00	LT	41			
	149+00	-	154+27	LT		520	32	552
	149+00	-	151+35	MEDIAN		475		475
	152+21	-	154+26	MEDIAN		414		414
	154+27	-	10+50'Q'	NW RETURN		38		38
	10+51'Q'	-	10+77'Q'	LT		26		26
	10+51'Q'	-	10+77'Q'	RT		25		25
	10+51'Q'	-	155+18	NE RETURN		40	13	53
	155+10	-	155+68	MEDIAN		122		122
	155+18	-	159+28	LT		414		414
	159+28	-	10+75'R'	NW RETURN		64	14	78
	10+75'R'	-	11+85'R'	LT		110		110
	10+65'R'	-	11+85'R'	RT		120		120
	10+65'R'	-	160+33	NE RETURN		47		47
	160+33	-	164+34	LT		417		417
	164+34	-	10+61'S'	NW RETURN		48		48

CONCRETE CURB & GUTTER - CONTINUED

CATEGORY	STATION	-	STATION	LOCATION	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)	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB AND GUTTER (LF)
	10+61'S'	-	11+40'S'	LT		79		79
	10+83'S'	-	11+40'S'	RT		57		57
	10+83'S'	-	165+34	NE RETURN		61		61
	165+34	-	172+00	LT		674		674
	149+00	-	167+17	RT		1,802		1,802
	165+34	-	166+36	MEDIAN		214		214
				TOTAL	6,565	10,708	693	11,401

All quantities shown are associated with Category 0010 unless otherwise noted

SIDEWALK

CATEGORY	STATION	-	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	602.0405 CONCRETE SIDEWALK 4-INCH (SF)*	SPV.0090.19 CONSTRUCTION STAKING SIDEWALK (LF)*
0010	104+77	-	106+02	LT	22	605	121
STAGE 1	106+15	-	107+51	LT	41	1120	224
	105+27	-	106+56	RT	33	880	176
	106+76	-	107+58	RT	18	488	98
	107+89	-	109+26	RT	32	851	170
	108+02	-	110+89	LT	55	1487	298
	109+46	-	110+26	RT	15	409	82
	110+56	-	113+12	RT	48	1301	260
	111+30	-	112+08	LT	14	388	78
	112+21	-	112+83	LT	10	264	53
	112+99	-	114+20	LT	23	611	122
	113+38	-	114+17	RT	15	408	82
	114+33	-	114+55	RT	4	120	24
	114+60	-	115+06	LT	9	237	48
	114+72	-	115+36	RT	13	342	70
	115+23	-	115+36	LT	3	75	15
	115+54	-	115+90	LT	7	196	39
	115+63	-	116+07	RT	9	233	47
	116+27	-	117+44	LT	23	615	123
	116+37	-	117+41	RT	19	507	101
	117+82	-	118+65	LT	18	498	100
	108+20	-	109+70	MEDIAN		45	
STAGE 2	117+85	-	118+18	RT	8	218	44
	118+84	-	119+57	LT	14	374	75
	118+86	-	119+80	RT	18	480	96
	119+81	-	120+60	LT	14	385	77
	119+96	-	120+16	RT	4	113	23
	120+50	-	120+93	RT	8	228	46
	121+00	-	122+19	LT	22	593	120
	121+09	-	121+84	RT	14	386	78
	122+05	-	122+97	RT	18	474	95
	122+40	-	122+77	LT	7	200	40
	122+95	-	122+81	LT	16	441	88
	123+14	-	123+75	RT	12	316	63
	123+88	-	124+29	RT	8	224	45
	124+23	-	125+37	LT	21	570	114
	124+47	-	125+07	RT	12	311	62
	125+36	-	125+70	RT	7	185	37
	125+55	-	126+04	LT	9	230	46
	125+96	-	126+46	RT	10	275	55
	126+28	-	127+04	LT	25	685	137
	126+56	-	127+09	RT	25	630	126
	127+41	-	128+19	LT	17	450	90
	127+45	-	130+47	RT	65	1,725	345
	128+38	-	130+37	LT	55	1,475	295
STAGE 3	139+85	-	141+86	LT	43	1,155	232
	139+73	-	144+07	RT	90	2,320	464
	142+22	-	142+51	LT	7	185	37
	143+01	-	144+09	LT	26	710	142
	144+38	-	144+90	LT	12	330	66

SIDEWALK - CONTINUED

CATEGORY	STATION	-	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)*	602.0405 CONCRETE SIDEWALK 4-INCH (SF)*	SPV.0090.19 CONSTRUCTION STAKING SIDEWALK (LF)*
	145+36	-	146+85	LT	31	850	170
	143+21	-	146+67	MEDIAN		30	
STAGE 4	130+67	-	131+11	LT	14	370	74
	130+84	-	135+36	RT	110	2,890	578
	131+27	-	132+47	LT	30	815	163
	10+25'J'	-	10+51'J'	RT	4	120	24
	132+70	-	135+98	LT	74	1,985	397
	135+60	-	136+33	RT	20	460	92
	136+28	-	136+88	LT	14	385	77
	136+52	-	137+55	RT	25	636	127
	10+26'K'	-	10+77'K'	LT	19	508	102
	137+31	-	137+55	LT	10	190	38
	137+89	-	138+29	LT	9	240	48
	137+78	-	139+44	RT	45	1,105	221
	138+74	-	139+43	LT	17	455	91
STAGE 5	148+24	-	150+25	LT	40	1,075	215
	150+48	-	151+43	LT	20	475	95
	151+71	-	152+05	LT	10	170	34
	152+39	-	153+78	LT	25	675	135
	154+12	-	154+48	LT	10	271	54
	10+44'Q'	-	10+77'Q'	LT	6	165	33
	10+43'Q'	-	10+77'Q'	RT	7	195	39
	154+99	-	156+27	LT	30	802	160
	156+62	-	159+60	LT	70	1,850	370
	10+60'R'	-	10+97'R'	LT	10	205	41
	10+61'R'	-	11+85'R'	RT	25	615	123
	160+03	-	164+61	LT	100	2,590	518
	15+52'P'	-	16+21'P'	MEDIAN		45	
	15+68'P'	-	15+95'P'	MEDIAN		105	
	144+38	-	146+00	RT	35	825	165
	149+00	-	150+98	RT	40	1,000	200
	151+31	-	152+50	RT	25	600	120
	152+66	-	154+33	RT	35	885	177
0020	15+54'P'	-	15+94'P'	LT	9	210	42
STAGE 5	16+14'P'	-	17+44'P'	LT	30	805	161
	15+91'P'	-	17+44'P'	RT	35	865	173
0010				TOTAL	1,928	50,935	10,150
0020				TOTAL	74	1,880	376
PROJECT				TOTAL	2,002	52,815	10,526

***QUANTITIES LISTED ELSEWHERE**

CONCRETE MEDIAN

STATION	-	STATION	602.0405 CATEGORY 0010 CONCRETE SIDEWALK 4-INCH (SF)*	SPV.0035.02 CATEGORY 0040 COLORING CONCRETE TAN (CY)	SPV.0165.02 CATEGORY 0040 COLORED AND STAMPED CONCRETE (SF)
108+20	-	109+70			796
140+10	-	142+23	1,007	13	
143+21	-	146+67	2,347	29	
147+77	-	151+35	3,057	38	
152+21	-	154+24			1,339
155+13	-	155+64	150	2	
165+36	-	166+32	192	2	
13+60'P'	-	14+60'P'	350	4	
15+52'P'	-	16+21'P'	372	5	
15+68'P'	-	15+95'P'	194	2	
		TOTAL	7,669	95	2,135

***QUANTITIES LISTED ELSEWHERE**

All quantities shown are associated with Category 0010 unless otherwise noted

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	STATION	LOCATION	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (SF)
0010	107+44	29' LT	8
STAGE 1	107+45	21' RT	8
	108+11	28' LT	8
	108+32	3' LT/RT	16
	108+32	22' RT	8
	110+74	25' LT	8
	110+75	22' RT	8
	110+84	30' LT	8
	111+37	29' LT	8
	114+15	29' LT	8
	114+67	29' LT	8
	117+31	25' LT	8
	117+32	28' RT	8
STAGE 2	117+85	31' LT	8
	117+88	27' RT	8
	117+92	26' LT	8
	117+95	25' RT	8
	120+54	29' LT	8
	121+08	29' LT	8
	123+77	29' LT	8
	124+31	29' LT	8
	126+99	28' RT	16
	127+00	26' LT	12
	127+47	32' LT	4
	127+49	30' LT	4
	127+56	27' RT	16
	127+57	27' LT	8
	130+16	19' LT	8
	130+17	20' RT	8
	130+25	22' LT	4
	130+27	24' LT	4
STAGE 3	139+40	27' RT	8
	139+41	38' LT	8
	139+78	27' RT	8
	139+95	44' LT	8
	140+03	40' LT	8
	140+03	19' RT	8
	142+25	21' RT	8
	142+32	51' LT	8
	142+42	54' LT	8
	143+08	47' LT	8
	144+85	59' LT	8
	145+40	59' LT	4
	145+42	57' LT	4
	146+46	14' LT	8
	146+46	18' LT	8
	146+46	54' LT	8
STAGE 4	130+79	21' LT	8
	130+79	20' RT	8
	132+46	22' LT	8

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA - CONTINUED

CATEGORY	STATION	LOCATION	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (SF)
	132+78	22' LT	8
	132+90	19' LT	8
	132+90	19' RT	8
	136+77	20' LT	8
	136+77	19' RT	8
	136+83	24' LT	8
	137+39	24' LT	8
	139+28	27' LT	8
	139+28	19' RT	8
STAGE 5	146+79	61' LT	8
	147+43	58' LT	4
	147+44	60' LT	4
	147+50	58' LT	4
	147+50	60' LT	4
	147+79	58' LT	4
	147+80	60' LT	4
	147+86	55' LT	8
	147+87	8' LT	8
	147+93	60' LT	4
	147+93	58' LT	4
	148+30	60' LT	8
	154+30	47' LT	8
	154+30	29' RT	8
	154+44	53' LT	8
	155+03	46' LT	8
	159+57	45' LT	8
	160+07	57' LT	8
	14+48'P'	4' LT	8
	14+48'P'	7' LT	8
		TOTAL	604

CONCRETE SAFETY ISLANDS

CATEGORY	STATION	-	STATION	602.2400 CONCRETE SAFETY ISLANDS (SF)
0010	12+72 'P'	-	12+60 'P'	71
	143+88	-	144+07	177
	144+38	-	144+57	184
			TOTAL	432

RIPRAP

CATEGORY	STAGE	STATION	-	STATION	LOCATION	606.0100 RIPRAP LIGHT (CY)	606.0200 RIPRAP MEDIUM (CY)	606.0300 RIPRAP HEAVY (CY)
0010	STAGE 2	8+10'E'						8
	STAGE 3	144+11			LT			8
		144+28			LT			8
	STAGE 5	165+77			RT			8
		165+85			LT			8
0060		10+00	-	10+45	LT/RT			150
		12+49	-	13+69	RT	60		340
		14+01	-	15+01	RT	44		177
		16+60	-	16+85	LT/RT		75	
0010					TOTAL	0	0	40
0060					TOTAL	104	75	667
PROJECT					TOTAL	104	75	707

CONCRETE STEPS

CATEGORY	STAGE	STATION	LOCATION	602.1500 CONCRETE STEPS (SF)
0010	STAGE 1	108+77	RT	8
		111+63	LT	10
		113+74	RT	10
		113+89	LT	5
		114+03	RT	10
		114+96	RT	5
		115+78	LT	4
		116+55	LT	4
		117+02	LT	8
	STAGE 2	118+22	LT	9
		118+95	LT	4
		119+48	LT	6
		120+29	LT	8
		120+71	RT	5
		121+16	LT	8
		122+07	LT	11
		123+39	LT	8
		124+47	LT	5
	STAGE 3	141+45	LT	10
	STAGE 4	134+57	LT	5
		135+41	LT	10
		135+84	LT	5
			TOTAL	158

All quantities shown are associated with Category 0010 unless otherwise noted

STORM SEWER PIPE

CATEGORY	PIPE RUN	STRUCT		STRUCT	INLET ELEVATION	DISCHARGE ELEVATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH (LF)	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH (LF)	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH (LF)	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH (LF)	610.0434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH (LF)
0010		EXIST - E	-	1.0		857.87						8				
		EXIST - S	-	1.0		858.45				8						
		EXIST - N	-	1.0		858.45				8						
	P-100	2.0	-	1.0	857.98	857.87						61				
	P-101	3.0	-	2.0	858.31	857.98						186				
	P-105	3.1	-	3.0	859.48	859.31				34						
	P-102	4.0	-	3.0	858.44	858.31						71				
	P-106	4.1	-	4.0	859.51	859.44				13						
	P-103	4.2	-	4.0	859.05	858.94					40					
	P-104	4.3	-	4.2	859.81	859.55				52						
	P-107	6.0	-	5.0	857.54	857.45								41		
	P-108	6.1	-	6.0	859.58	859.54				8						
	P-109	7.0	-	6.0	857.81	857.54								130		
	P-110	8.0	-	7.0	857.87	857.81			55							
	P-111	8.1	-	8.0	860.10	859.87	36									
	P-112	8.2	-	8.0	859.91	859.87	9									
	P-113	9.0	-	8.0	858.12	857.87			253							
	P-114	9.1	-	9.0	860.37	860.12	49									
	P-115	9.2	-	9.1	860.54	860.37	35									
	P-116	10.0	-	9.0	858.42	858.12			302							
	P-117	10.1	-	10.0	860.60	860.42	35									
	P-118	10.2	-	10.0	860.47	860.42	9									
	P-119	11.0	-	10.0	858.46	858.42			35							
	P-120	12.0	-	11.0	858.51	858.46			53							
	P-121	12.1	-	12.0	860.53	860.51	4									
	P-122	12.2	-	12.0	860.67	860.51	31									
		EXIST	-	12.0		858.56		8								
	P-123	13.0	-	7.0	858.92	858.81		62								
	P-124	13.1	-	13.0	861.07	860.92	29									
	P-125	13.2	-	13.0	860.94	860.92	3									
		EXIST	-	13.0		861.26		8								
	P-126	14.0	-	7.0	858.90	858.81		30								
	P-127	14.1	-	14.0	860.09	859.90	37									
	P-128	14.2	-	14.0	859.94	859.90	8									
	P-129	15.0	-	14.0	863.05	858.90		268								
	P-130	15.1	-	15.0	864.35	864.05	60									
	P-131	15.2	-	15.1	864.51	864.35	31									
	P-132	16.0	-	15.0	863.92	863.05		58								
	P-133	16.1	-	16.0	865.10	864.91	36									
	P-134	16.2	-	16.0	864.96	864.92	8									
	P-135	17.0	-	16.0	865.39	863.92		294								
	P-136	17.1	-	17.0	866.59	866.39	40									
	P-137	17.2	-	17.0	866.43	866.39	8									
	P-200	20.0	-	21.0	868.02	867.97										23
	P-201	21.0	-	22.0	868.80	868.16						66				
	P-203	21.0	-	21.1	868.12	868.02						57				
	P-204	21.1	-	21.2	869.35	869.20				32						
	P-205	22.0	-	22.1	869.96	869.80				36						
	P-206	22.0	-	22.2	869.90	869.80				8						
	P-207	22.0	-	23.0	869.93	868.80						290				

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All quantities shown are associated with Category 0010 unless otherwise noted

STORM SEWER PIPE - CONTINUED

CATEGORY	PIPE RUN	STRUCT	- STRUCT	INLET ELEVATION	DISCHARGE ELEVATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH (LF)	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH (LF)	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH (LF)	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH (LF)	610.0434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH (LF)
0010	P-208	23.0	- 24.0	870.08	869.93						30				
	P-209	23.0	- 23.1	871.31	870.43					46					
	P-210	23.1	- 23.2	872.20	871.81				39						
	P-211	24.0	- 24.2	871.30	871.08				11						
	P-212	24.0	- 26.0	871.11	870.08						182				
	P-213	26.1	- 26.3	872.50	872.40				10						
	P-214	25.0	- 26.0	872.48	871.61					46					
	P-215	25.0	- 25.2	873.32	872.98				34						
	P-216	26.0	- 26.1	872.40	872.11				29						
	P-217	26.0	- 26.2	872.34	872.11				12						
	P-218	24.0	- 24.1	871.40	871.08				24						
	P-143	25.0	- 25.1	873.03	872.98				5						
	P-219	27.0	- 28.0	873.23	871.67						219				
	P-220	27.1	- 27.2	874.08	873.95				26						
	P-221	27.0	- 27.1	873.95	873.73					43					
	P-222	27.3	- 27.2	874.30	874.08				36						
	P-224	28.0	- 29.0	871.67	871.50						30				
	P-225	28.0	- 28.1	872.81	872.67				30						
	P-226	29.0	- 29.1	872.24	871.75					49					
	P-227	29.1	- 29.2	872.70	872.24				46						
	P-228	29.0	- 30.0	871.50	871.05						34				
	P-229	28.0	- 28.2	872.73	872.67				12						
	P-53	28.1	- 28.3	872.88	872.81				8						
	P-230	31.0	- 33.0	869.77	869.41						141				
	P-231	31.0	- 31.1	869.84	869.77					18					
	P-232	31.1	- 31.2	869.87	869.84					7					
	P-233	31.2	- 31.3	869.99	869.87					30					
	P-234	31.0	- 31.4	870.33	870.27				13						
	P-50	31.6	- 31.1	870.39	870.34				10						
	P-51	31.7	- 31.2	871.42	870.37				10						
	P-52	31.3	- 32.3	870.35	870.25				27						
	P-54	31.4	- 31.5	870.38	870.33				10						
	P-235	32.1	- 32.3	870.48	870.35				12						
	P-236	32.1	- 32.2	870.64	870.48				39						
	P-348	33.0	- 33.4	870.50	870.40				11						
	P-238	33.0	- 33.1	869.41	869.37						20				
	P-239	33.1	- 33.2	869.37	869.35						10				
	P-240	33.2	- 33.3	869.35	869.28						30				
	P-241	33.3	- 34.0	869.28	869.00						69				
	P-242	35.0	- 36.3	869.18	868.80							100			
	P-243	36.0	- 36.1	869.49	869.41						30				
	P-244	36.1	- 36.2	869.41	869.39						8				
	P-245	36.2	- 36.3	869.39	869.30						33				
	P-246	36.3	- 36.4	869.94	869.80					30					
	P-247	36.4	- 36.5	870.27	869.94				44						
	P-248	36.0	- P-A	EXIST	870.11						61				
	P-349	36.0	- 36.3	870.24	870.20				11						
	P-250	37.5	- 3.7	871.92	871.88					6					
	P-251	37.1	- 37.5	872.09	871.92					47					
	P-252	37.1	- 37.2	872.26	872.09				34						

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All quantities shown are associated with Category 0010 unless otherwise noted

STORM SEWER PIPE - CONTINUED

CATEGORY	PIPE RUN	STRUCT	-	STRUCT	INLET ELEVATION	DISCHARGE ELEVATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH (LF)	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH (LF)	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH (LF)	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH (LF)	610.0434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH (LF)
0010	P-154	37.4	-	37.7	872.37	872.09				56						
	P-255	37.1	-	37.4	872.45	872.09				73						
	P-257	39.0	-	40.0	871.71	871.43						95				
	P-155	37.7	-	37.4	872.70	872.45				13						
	P-258	39.0	-	39.1	871.75	871.71					19					
	P-259	39.1	-	39.2	871.81	871.75					18					
	P-260	39.2	-	39.3	871.90	871.81					32					
	P-261	39.3	-	39.4	872.18	872.15				6						
	P-262	39.0	-	39.5	872.24	872.20				11						
	P-263	39.5	-	39.6	872.30	872.24				5						
	P-264	41.0	-	42.0	871.49	871.45						9				
	P-265	42.0	-	42.1	872.09	871.99					21					
	P-266	42.1	-	42.2	872.12	872.09					5					
	P-267	42.2	-	42.3	872.63	872.40				48						
	P-268	42.0	-	42.4	872.54	872.49				8						
	P-269	42.0	-	43.0	875.82	871.49						325				
	P-270	43.0	-	43.3	875.97	875.82					29					
	P-271	43.1	-	43.2	876.14	876.00					28					
	P-272	45.0	-	46.0	878.38	878.08						42				
	P-273	45.0	-	45.1	879.99	879.38				61						
	P-273 (1)	46.1	-	46.2	880.05	879.24				27						
	P-274	45.1	-	45.2	880.38	879.99				39						
	P-275	46.0	-	46.1	878.74	878.58					32					
	P-276	46.0	-	47.0	878.08	876.74						192				
	P-276 (1)	47.0	-	48.0	876.74	876.25						105				
	P-290	44.0	-	45.0	878.74	878.38						52				
	P-291	44.0	-	44.2	879.63	879.50				19						
	P-292	44.0	-	44.1	881.47	879.00					20					
	P-277	48.1	-	48.2	877.27	877.07				10						
	P-278	48.0	-	48.3	876.96	876.75				42						
	P-279	48.0	-	49.0	876.25	875.43						174				
	P-280	49.0	-	49.1	876.81	875.93					44					
	P-281	49.1	-	49.2	877.82	877.31				36						
	P-282	49.0	-	49.3	877.14	876.43				51						
	P-283	50.0	-	51.0	875.25	875.00						53				
	P-284A	51.0	-	51.1	874.00	873.75									20	
	P-285	51.0	-	52.0	877.91	875.50					120					
	P-286	52.0	-	53.0	879.60	877.91					85					
	P-287	53.0	-	54.0	885.58	879.60					213					
	P-288	54.0	-	55.0	888.53	885.58					49					
	P-147	48.3	-	48.4	877.01	876.96				10						
	P-153	50.0	-	50.1	876.82	876.25				29						
	P-376	46.0	-	46.3	879.26	878.90				36						
	P-377	48.1	-	48.0	876.57	876.50					27					
	P-81	36.6	-	36.8	870.34	870.24				10						
	P-156	36.3	-	36.7	869.87	869.80				7						
	P-382	49.0	-	50.0	875.43	875.25						38				
	P-383	43.1	-	43.3	876.00	875.97					7					
	P-146	24.1	-	24.3	871.49	871.40				10						
	P-158	43.2	-	43.4	876.69	876.64				10						
	P-345	22.1	-	22.3	870.06	869.96				10						
0060	-	-	-	-	-	-					20	20				
0010						TOTAL	468	728	698	1,369	1,111	2,721	100	171	20	23
0060						TOTAL	0	0	0	0	20	20	0	0	0	0
						TOTAL	468	728	698	1,369	1,131	2,741	100	171	20	23

All quantities shown are associated with Category 0010 unless otherwise noted

STRUCTURES, MANHOLES, AND INLETS

STRUCT NO	STATION	OFFSET (A)	CASTING ELEVATION (B)	BOTTOM OF STRUCT ELEV	TOP OF STRUCT ELEV (C)	DEPTH (D) (E)	520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.1024 ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH (EACH)	522.1060 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH (EACH)	JOINT TIES (F) (EACH)	611.065 INLET COVERS TYPE S (EACH)	611.065 INLET COVERS TYPE V (EACH)	611.1004 CATCH BASINS 4-FT DIAMETER (EACH)	611.1230 CATCH BASINS 2X3-FT (EACH)	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)	612.2008 MANHOLES 8-FT DIAMETER (EACH)	611.3220 INLETS 2X2-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.9800.S PIPE GRATES (EACH)	650.4000 CONSTRUCTION STAKING STORM SEWER (EACH)	SPV.0060.09 MANHOLE COVERS SPECIAL SOLID (EACH)	SPV.0060.10 INLET COVERS SPECIAL (EACH)	SPV.0060.11 INLET COVERS SPECIAL TYPE L (EACH)
1.0	104+87	23.3' RT	862.22	857.87	860.97	3.1	3												1						1	1		
2.0	105+44	4.6' RT	862.52	857.98	861.27	3.3												1							1	1		
3.0	107+29	13.0' RT	862.88	858.31	861.63	3.3												1							1	1		
3.1	107+29	21.0' LT	862.61	857.48	861.49	4.0											1								1			1
4.0	108+00	13.0' RT	863.09	858.44	861.84	3.4												1							1	1		
4.1	108+00	20.8' RT	862.82	857.48	861.70	4.2											1								1			1
4.2	108+20	21.6 LT	862.87	857.05	861.75	4.7											1								1			1
4.3	108+72	21.0' LT	863.04	857.81	861.92	4.1											1								1			1
5.0	8+11'E'	8.0' RT		857.30						1		6												1	1			
6.0	008+58	8.0' RT	862.46	857.41	861.21	3.8													1						1	1		
6.1	8+58'E'	15.5' RT	862.20	857.45	861.08	3.6											1								1			1
7.0	9+88'E'	8.0' RT	864.75	857.81	863.50	5.7																			1	1		
8.0	117+16	13.0' RT	864.86	857.87	863.61	5.7													1						1	1		
8.1	117+26	22.2' LT	864.54	858.10	863.42	5.3											1								1			1
8.2	117+16	22.0 ' RT	864.57	857.91	863.45	5.5											1								1			1
9.0	114+63	13.0' RT	865.53	858.12	864.28	6.2													1						1	1		
9.1	10+35D'	18.4' RT	864.85	858.36	863.73	5.4											1								1			1
9.2	10+35D'	17.5' LT	864.85	858.54	863.73	5.2											1								1			1
10.0	111+61	13.0' RT	864.44	858.42	863.19	4.8													1						1	1		
10.1	111+58	22.0' LT	864.14	858.60	863.02	4.4											1								1			1
10.2	111+61	22.0' RT	864.15	858.47	863.03	4.6											1								1			1
11.0	111+27	13.0 RT	864.29	858.46	863.04	4.6														1					1	1		
12.0	10+38C'	13.6' RT	864.22	858.51	862.97	4.5	1												1						1	1		
12.1	10+38C'	18.0' RT	864.02	858.53	862.90	4.4											1								1			1
12.2	010+38	17.8' LT	863.97	858.66	862.85	4.2											1								1			1
13.0	10+50'E'	12.5' RT	864.63	858.92	863.38	4.5	1											1							1	1		
13.1	10+44'E'	15.7' LT	864.35	859.06	863.23	4.2											1								1			1
13.2	10+50'E'	15.6' RT	864.44	858.93	863.32	4.4											1								1			1
14.0	117+91	14.0' RT	864.72	858.87	863.47	4.6												1							1	1		
14.1	117+91	25.0' RT	864.34	858.06	863.22	5.2											1								1			1
14.2	117+94	23.2' RT	864.46	857.92	863.34	5.4											1								1			1
15.0	120+70	14.0' RT	869.24	863.04	867.99	5.0												1							1	1		
15.1	10+49F'	15.5' LT	869.17	862.34	868.05	5.7											1								1			1
15.2	10+49F'	15.5' RT	869.34	862.50	868.22	5.7											1								1			1
16.0	121+28	14.0' RT	870.00	863.91	868.75	4.8												1							1	1		
16.1	121+28	22.0' LT	869.73	863.09	868.61	5.5											1								1			1
16.2	121+28	22.0' RT	869.73	862.95	868.61	5.7											1								1			1
17.0	124+22	14.0' RT	871.66	865.38	870.41	5.0												1							1	1		
17.1	124+40	22.4' LT	871.49	864.58	870.37	5.8											1								1			1
17.2	124+22	22.0' RT	871.41	864.42	870.29	5.9											1								1			1
20.0	127+09	36' RT	872.88	867.97	871.76	3.8															1				1			1
21.0	127+07	13' RT	873.20	868.02	871.95	3.9																1			1	1		
21.1	127+04	44' LT	873.15	868.12	872.03	3.9												1							1			1
21.2	127+36.0	48' LT	873.13	867.35	872.01	4.7											1								1			1
22.0	127+73	12' RT	873.57	868.80	872.32	3.5												1							1	1		
22.1	127+71	24.85' LT	873.33	867.96	872.21	4.2											1								1			1
22.2	127+73	20.63'	873.43	867.80	872.31	4.5											1								1			1
22.3	127+81	24.75' LT	873.39	868.06	872.27	4.2											1								1			1
23.0	130+64	7' RT	875.56	869.93	874.31	4.4												1							1	1		
23.1	130+67.8	39' LT	875.46	869.31	874.34	5.0										1									1			1
23.2	130+36	55' LT	875.93	869.70	874.81	5.1											1								1			1

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All quantities shown are associated with Category 0010 unless otherwise noted

STRUCTURES, MANHOLES, AND INLETS - CONTINUED

STRUCT NO	STATION	OFFSET (A)	CASTING ELEVATION (B)	BOTTOM OF STRUCT ELEV	TOP OF STRUCT ELEV (C)	DEPTH (D) (E)	520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH (EACH)	522.1060 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH (EACH)	JOINT TIES (F) (EACH)	611.0651 INLET COVERS TYPE S (EACH)	611.0654 INLET COVERS TYPE V (EACH)	611.1004 CATCH BASINS 4-FT DIAMETER (EACH)	611.1230 CATCH BASINS 2X3-FT (EACH)	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)	612.2008 MANHOLES 8-FT DIAMETER (EACH)	611.3220 INLETS 2X2-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.9800.S PIPE GRATES (EACH)	650.4000 CONSTRUCTION STAKING STORM SEWER (EACH)	SPV.0060.09 MANHOLE COVERS SPECIAL SOLID (EACH)	SPV.0060.10 INLET COVERS SPECIAL (EACH)	SPV.0060.11 INLET COVERS SPECIAL TYPE L (EACH)
24.0	130+94.5	7' RT	875.88	870.08	874.63	4.5											1								1	1		
24.1	130+94.5	17.5' LT	875.69	869.40	874.57	5.2										1									1			1
24.2	130+94.5	18.21'	875.68	869.30	874.56	5.3										1									1			1
24.3	131+03	17.5' LT	875.78	869.49	874.66	5.2										1									1			1
25.0	132+60.2	36' LT	877.70	872.48	876.45	4.0											1								1	1		
25.1	132+65	38.5' LT	877.74	871.03	876.62	5.6										1									1			1
25.2	132+26.4	37' LT	877.59	871.32	876.47	5.1										1									1			1
26.0	132+78	6' RT	877.52	871.11	876.27	5.2												1							1	1		
26.1	132+95	17.5' LT	877.46	870.40	876.34	5.9										1									1			1
26.2	132+78	17.5' RT	877.32	870.34	876.07	5.7								1		1									1			
26.3	133+05	17.5' LT	877.54	870.50	876.42	5.9										1									1			1
27.0	136+97	6' RT	878.94	873.23	877.69	4.5											1								1	1		
27.1	136+91.5	37' LT	878.76	871.95	877.64	5.7									1										1			1
27.2	136+99.1	62' LT	879.54	872.08	878.42	6.3										1									1			1
27.3	137+34.9	61' LT	879.52	872.30	878.40	6.1										1									1			1
28.0	139+16	6.0' RT	877.35	871.67	876.10	4.4											1								1	1		
28.1	139+16	23.82' LT	877.03	870.81	875.91	5.1										1									1			1
28.2	139+16	17.53'	877.16	870.73	876.04	5.3										1									1			1
28.3	139+23	24.76 'LT	876.97	870.88	875.72	4.8								1		1												
29.0	139+45	4' RT	877.07	871.50	875.82	4.3												1							1	1		
29.1	139+45	45' LT	877.56	870.24	876.44	6.2											1								1			1
29.2	139+84.5	68' LT	879.13	870.70	878.01	7.3										1									1			1
30.0	139+45	38.21'	875.53	870.88	874.41	3.5											1								1			1
31.0	141+93	5' RT	875.56	869.77	874.31	4.5											1								1	1		
31.1	141+93	12.5' LT	874.43	867.84	873.31	5.5										1									1		1	
31.2	141+93	19.5' LT	874.65	867.87	873.53	5.7										1									1		1	
31.3	141+93	49.5' LT	874.11	867.99	872.86	4.9								1		1									1			
31.4	141+93	17.5' RT	874.33	868.33	873.21	4.9										1									1		1	
31.5	141+83	17.5' RT	874.34	868.38	873.22	4.80										1											1	
31.6	141+83	12.5' LT	874.44	868.39	873.32	4.90										1											1	
31.7	141+83	19.5' LT	874.65	869.42	873.53	4.1										1											1	
32.1	142+52.9	68' LT	874.14	868.48	873.02	4.50									1										1			1
32.2	142+91.7	75' LT	874.36	868.64	873.24	4.60										1									1			1
32.3	142+25	48.87' LT	874.19	868.35	873.07	4.70										1											1	
33.0	143+35	18' LT	875.55	869.41	874.30	4.90											1								1	1		
33.1	143+35	2' LT	875.54	869.37	874.42	5.0											1								1			1
33.2	143+35	11.27' LT	875.54	869.35	874.42	5.10											1								1			1
33.3	143+35	41.28' LT	875.45	869.28	874.20	4.90											1								1	1		
33.4	143+35	28.5' RT	875.37	868.50	874.25	5.70										1									1			1
34.0	144+00	63' LT		869.00				1			6												1		1			
35.0	144+45	62' LT		868.80					1		6												1		1			
36.0	145+45	17.0' RT	874.99	869.49	873.74	4.30											1								1	1		
36.1	145+45	12.5' LT	874.64	867.94	873.52	5.60																1			1		1	
36.2	145+45	20.5' LT	874.89	869.39	873.77	4.40																1			1		1	
36.3	145+47	53.32	874.88	869.18	873.76	4.60												1							1		1	
36.4	154+33.7	81' LT	874.83	867.94	873.71	5.8									1										1			1
36.5	144+91.5	68' LT	874.32	868.27	873.20	4.90										1									1			1
36.6	145+45	28.5' RT	874.80	868.24	873.68	5.40										1									1		1	
36.7	145+52	50.87' LT	874.82	867.87	873.70	5.80										1									1		1	
36.8	145+55	28.5' rt	874.79	868.34	873.67	5.30																			1		1	
37.1	147+92	52.3' LT	876.12	872.09	875.00	2.90											1								1			1

All quantities shown are associated with Category 0010 unless otherwise noted

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STRUCTURES, MANHOLES, AND INLETS - CONTINUED

STRUCT NO	STATION	OFFSET (A)	CASTING ELEVATION (B)	BOTTOM OF STRUCT ELEV	TOP OF STRUCT ELEV (C)	DEPTH (D) (E)	520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH (EACH)	522.1060 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH (EACH)	JOINT TIES (F) (EACH)	611.0651 INLET COVERS TYPE S (EACH)	611.0654 INLET COVERS TYPE V (EACH)	611.1004 CATCH BASINS 4-FT DIAMETER (EACH)	611.1230 CATCH BASINS 2X3-FT (EACH)	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)	612.2008 MANHOLES 8-FT DIAMETER (EACH)	611.3220 INLETS 2X2-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.9800.S PIPE GRATES (EACH)	650.4000 CONSTRUCTION STAKING STORM SEWER (EACH)	SPV.0060.09 MANHOLE COVERS SPECIAL SOLID (EACH)	SPV.0060.10 INLET COVERS SPECIAL (EACH)	SPV.0060.11 INLET COVERS SPECIAL TYPE L (EACH)
37.2	147+45	51.5' LT	876.05	870.26	874.93	4.70									1										1			1
37.4	148+52	51.62' LT	876.68	870.45	875.56	5.1										1									1			1
37.5	147+95	9.68' LT	876.35	871.92	875.23	3.30										1									1			1
37.6	148+06.1	103' LT	876.31	870.37	875.19	4.80									1												1	
37.7	148+50	64.2' LT	876.82	872.70	875.82	3.10							1									1						
39.0	150+78	17' RT	876.67	871.71	875.42	3.70											1								1	1		
39.1	150+78	1.5' LT	876.55	869.75	875.43	5.7										1									1		1	
39.2	150+78	19.89' LT	876.58	869.81	875.46	5.60										1									1		1	
39.3	150+78	52' LT	876.52	869.90	875.40	5.50										1									1		1	
39.4	150+84	52.06' LT	876.52	870.18	875.40	5.20										1									1		1	
39.5	150+78	28.5' RT	876.48	870.24	875.36	5.10										1									1		1	
39.6	150+84	28.5' RT	876.48	870.30	875.36	5.1										1									1		1	
40.0	151+73	19' RT		871.43			1																					
41.0	151+83	19' RT		871.45			1																					
42.0	151+92	19' RT	877.53	871.49	876.28	4.80											1								1	1		
42.1	151+92	1.5' LT	877.49	870.12	876.37	6.20										1									1			1
42.2	151+92	5.38' LT	877.35	869.62	876.23	6.6										1									1			1
42.3	151+93	52.08' LT	877.40	870.94	876.28	5.30										1									1			1
42.4	151+92	28.5' RT	877.37	870.54	876.25	5.70										1									1			1
43.0	155+17	27.61'	881.43	875.82	880.31	4.50											1								1			1
43.1	155+19	8.14' LT	881.59	874.00	880.47	6.50										1									1			1
43.2	155+22	35.98' LT	881.44	874.64	880.32	5.7										1									1			1
43.3	155+19	1.5' LT	881.57	873.97	880.45	6.5										1									1			1
43.4	155+32	35.14' LT	881.53	874.69	880.41	5.7										1									1			1
44.0	156+43	22' LT	884.54	878.74	883.29	4.50											1								1	1		
44.1	159+43	41.75' LT	884.88	881.47	883.76	2.30	1																		1			
44.2	159+25	26.5' LT	884.52	877.63	883.40	5.80										1									1			1
45.0	159+94	13' LT	884.50	876.74	883.25	6.50											1								1	1		
45.1	159+97	82.9' LT	884.72	875.99	883.60	7.6											1								1			1
45.2	159+60.2	71' LT	885.10	878.38	883.98	5.60										1									1			1
46.0	160+36	10' LT	884.36	878.08	883.11	5.00											1								1	1		
46.1	160+41	42.81' LT	883.68	876.74	882.56	5.80											1								1			1
46.2																									1			
46.3	160+36	26.5' RT	884.00	877.26	882.88	5.6										1									1			1
47.0	162+26	15' LT	882.08	876.74	880.83	4.10											1								1	1		
48.0	163+29	16.03' LT	881.45	876.25	880.20	4.00											1								1	1		
48.1	163+29	42.32' LT	880.94	874.57	879.82	5.20																	1		1		1	
48.2	163+19	43.69' LT	880.93	875.27	879.81	4.50																	1		1		1	
48.3	163+29	26.5' RT	881.24	874.96	880.12	5.2																	1		1		1	
48.4	163+19	26.5' LT	881.22	875.01	880.10	5.10										1									1		1	
49.0	165+00	24' LT	881.98	875.43	880.73	5.30											1								1	1		
49.1	165+02.2	68' LT	883.02	874.81	881.90	7.10											1								1			1
49.2	164+68.3	70' LT	882.60	875.82	881.48	5.70																	1		1			1
49.3	165+00	26.5' RT	881.94	875.14	880.82	5.7																	1		1			1
50.0	165+34	37.5' LT	881.93	875.25	880.81	5.60											1								1			1
50.1	165+50	9.5' LT	882.59	874.82	881.47	6.60										1									1			1

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All quantities shown are associated with Category 0010 unless otherwise noted

STRUCTURES, MANHOLES, AND INLETS - CONTINUED

STRUCT NO	STATION	OFFSET (A)	CASTING ELEVATION (B)	BOTTOM OF STRUCT ELEV	TOP OF STRUCT ELEV (C)	DEPTH (D) (E)	520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH (EACH)	522.1060 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH (EACH)	JOINT TIES (F) (EACH)	611.065 INLET COVERS TYPE S (EACH)	611.065 INLET COVERS TYPE V (EACH)	611.1004 CATCH BASINS 4-FT DIAMETER (EACH)	611.1230 CATCH BASINS 2X3-FT (EACH)	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)	612.2008 MANHOLES 8-FT DIAMETER (EACH)	611.3220 INLETS 2X2-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.9800.S PIPE GRATES (EACH)	650.4000 CONSTRUCTION STAKING STORM SEWER (EACH)	SPV.0060.09 MANHOLE COVERS SPECIAL SOLID (EACH)	SPV.0060.10 INLET COVERS SPECIAL (EACH)	SPV.0060.11 INLET COVERS SPECIAL TYPE L (EACH)
51.0	165+85	32' LT	882.43	875.00	881.18	6.20	1														1				1	1		
51.1	165+87	52' LT		874.00							1	8													1			
52.0	167+02	29.5' LT	883.69	875.91	882.57	6.70									1										1			1
53.0	167+85	26.5' LT	884.86	877.60	883.74	6.10									1										1			1
54.0	169+97	26.5' LT	890.87	883.58	889.75	6.20									1										1			1
3.7	147+9.97	3.82' LT	876.38	871.88	875.26	3.40																						1
2.0	146+75	23' RT	875.48	EXISTING																						1		
55.0																									1			
						TOTAL	9	1	1	1	1	26	1	3	9	76	37	9	1	1	2	1	7	3	145	39	24	80

INLETS

STRUCT NO	STATION	OFFSET (A)	CASTING ELEVATION (B)	BOTTOM OF STRUCT ELEV	TOP OF STRUCT ELEV (C)	DEPTH (D) (E)	611.0430 RECONSTRUCTING INLETS (EACH)	611.0645 INLET COVERS TYPE MS-A (EACH)	611.3901 INLETS MEDIAN 1 GRATE (EACH)
44.1	159+43	41.75'LT	884.88	881.47	884.88	3.4	1		
46.2	160+27	68'LT	885.37	880.05	885.37	5.3		1	1
55.0	170+46.60	36'LT	891.64	888.53	891.64	3.1		1	1
						TOTAL	1	2	2

(A) - OFFSETS ARE MEASURED TO THE CENTER OF THE STRUCTURE OR TO THE END OF THE OUTLET PIPE AT APRON ENDWALLS
(B) - CASTING ELEVATIONS ARE AT THE CURB FLANGE
(C) - TOP OF STRUCTURE ELEVATIONS ASSUME THAT 6-INCHES OF ADJUSTING RINGS WILL BE USED.
MANHOLE TOP OF STRUCTURE = COVER ELEVATION - 0" (1550 COVER) - 6" RINGS
INLET TOP OF STRUCTURE = CASTING ELEV - 7.5" (3067 OR 3067L COVER) OR 6" (S COVER) OR 0" (MS COVER) - 6" (RINGS)
INLET COVER ELEVATIONS ARE DEPRESSED APPROXIMATELY 1.5 INCHES BELOW THE NORMAL FLOW LINE ELEV
(D) - MS COVERS ARE SLOPED NO GREATER THAN 10:1
(E) - ROUNDED UP TO THE NEAREST 10TH
(F) - NON-BID ITEM, FOR INFORMATION ONLY

APRON ENDWALLS

CATEGORY	STATION	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)
0060	13+25		1
	14+64	1	
	TOTAL	1	1

ADJUSTING MANHOLE COVERS

CATEGORY	STRUCTURE NO	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS (EACH)
0010	2.0 EXISTING	146+75	23.41' RT	1
		TOTAL		1

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE (SF)	COMMENTS
0010	108+23	RL	70	TYPE 1
	109+70	RL	50	TYPE 1
	140+11	LT	70	TYPE 1
	142+21	LT	70	TYPE 1
	143+11	LT	85	TYPE 1
	146+66	LT	65	TYPE 1
	147+77	LT	50	TYPE 1
	147+22	RT	30	TYPE 2
	16+23'P'	LT	55	TYPE 1
	15+53'P'	LT	45	TYPE 2
	147+77	LT	15	TYPE 2
	147+94	LT	15	TYPE 2
	151+70	LT	50	TYPE 1
	151+78	LT	50	TYPE 1
	154+24	LT	45	TYPE 1
	155+15	LT	70	TYPE 1
	165+37	LT	75	TYPE 1
	166+36	LT	45	TYPE 1
		TOTAL	955	

All quantities shown are associated with Category 0010 unless otherwise noted

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COVER PLATES TEMPORARY

CATEGORY	STAGE	LOCATION	611.8120.S COVER PLATES TEMPORARY (EACH)
0010	STAGE 5	UNDISTRIBUTED	25
		TOTAL	25

DUST CONTROL

CATEGORY	STAGE	STATION	-	STATION	623.0200 DUST CONTROL SURFACE TREATMENT (SY)
0010	STAGE 1	104+78	-	117+50	8,475
	STAGE 2	117+50	-	130+47	8,640
	STAGE 3	139+40	-	146+50	4,740
	STAGE 4	130+47	-	139+40	5,955
				TOTAL	27,810

WATER

CATEGORY	STAGE	STATION	-	STATION	624.0100 WATER (MGAL)
0010	STAGE 1	104+78	-	117+50	125
	STAGE 2	117+50	-	130+47	125
	STAGE 3	139+40	-	146+50	125
	STAGE 4	130+47	-	139+40	125
	STAGE 5	146+50	-	172+00	150
				TOTAL	650

FENCE

CATEGORY		STATION	-	STATION	616.0204 FENCE CHAIN LINK 4-FT (LF)
0010	STAGE 5	160+83	-	163+75	350
				TOTAL	350

FENCE SAFETY

CATEGORY	LOCATION	616.0700.S FENCE SAFETY (LF)
0010	UNDISTRIBUTED	8,400
	TOTAL	8,400

PIPE UNDERDRAIN

CATEGORY	STATION	-	STATION	LOCATION	612.0106 PIPE UNDERDRAIN 6-INCH (LF)	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A (SY)
0010	104+78	-	107+71	B.O.P. TO WATER	550	370
STAGE 1	107+71	-	111+08	WATER TO CENTER	675	450
	111+08	-	114+39	CENTER TO SPRING	665	445
	114+39	-	117+63	SPRING TO EAST	650	435
STAGE 2	117+63	-	120+73	EAST TO MAPLE	630	420
	120+73	-	124+07	MAPLE TO HICKORY	645	430
	124+07	-	127+27	HICKORY TO WILSON	635	425
	127+27	-	130+61	WILSON TO MILL	715	480
STAGE 4	130+61	-	132+66	MILL TO AMERICAN LEGION	555	370
	132+66	-	136+99	AMERICAN LEGION TO CAESAR	1,005	670
	136+99	-	139+56	CAESAR TO JOVINA	595	400
STAGE 3	139+56	-	142+52	JOVINA TO VALLEY	1,035	690
	142+52	-	144+79	VALLEY TO EULALIA	725	485
	144+79	-	147+35	EULALIA TO CTH P	525	350
STAGE 5	147+35	-	154+68	CTH P TO GLACIERS EDGE	2,380	1,590
	154+68	-	159+97	GLACIERS EDGE TO BREWERY	1,170	780
	159+97	-	164+69	BREWERY TO WESTVIEW	1,260	840
	164+69	-	172+00	WESTVIEW TO E.O.P	1,025	685
	15+43'P'	-	17+44'P'	CTH P	340	230
				TOTAL	15,780	10,545

EROSION CONTROL

CATEGORY	STATION	-	STATION	LOCATION	625.0100 TOPSOIL (SY)	625.0500 SALVAGED TOPSOIL (SY)*	628.1504 SILT FENCE (LF)*	628.1520 SILT FENCE MAINTENANCE (LF)*	628.6005 TURBIDITY BARRIERS (SY)*	628.2006 EROSION MAT URBAN CLASS I TYPE A (SY)	628.7005 INLET PROTECTION TYPE A (EACH)	628.7015 INLET PROTECTION TYPE C (EACH)	628.7020 INLET PROTECTION TYPE D (EACH)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7570 ROCK BAGS (EACH)	629.0210 FERTILIZER TYPE B (CWT)*	630.0130 SEEDING MIXTURE NO. 30 (LB)*	630.0200 SEEDING TEMPORARY (LB)*	631.0300 SOD WATER (MGAL)	631.1000 SOD LAWN (SY)
0010	104+42	-	107+71	B.O.P. TO WATER	280							1	2				0.18			32	280
STAGE 1	107+71	-	111+08	WATER TO CENTER	588							3	1				0.37			66	588
	111+08	-	114+39	CENTER TO SPRING	631		105	105				1	3				0.40			71	631
	114+39	-	117+63	SPRING TO EAST	620		120	120					4			36	0.39			70	620
STAGE 2	117+63	-	120+73	EAST TO MAPLE	605		265	265				1	3			27	0.38			68	605
	120+73	-	124+07	MAPLE TO HICKORY	660		200	200				2	1			18	0.42			74	660
	124+07	-	127+27	HICKORY TO WILSON	504		240	240				2	1			33	0.32			57	504
	127+27	-	130+61	WILSON TO MILL	410							2	2			24	0.26			46	410
STAGE 4	130+61	-	132+66	MILL TO AMERICAN LEGION	165							2	2				0.10			19	165
	132+66	-	136+99	AMERICAN LEGION TO CAESAR	120		75	75				5	2				0.08			15	120
	136+99	-	139+56	CAESAR TO JOVINA	125		40	40				4	3			18	0.08			15	125
STAGE 3	139+56	-	142+52	JOVINA TO VALLEY	590		270	270				9	1			18	0.37			66	590
	142+52	-	144+79	VALLEY TO EULALIA	435		230	230	165			3	3				0.27			50	435
	144+79	-	147+35	EULALIA TO CTH P	510		160	160				6	4				0.32			58	510
STAGE 5	147+35	-	154+68	CTH P TO GLACIERS EDGE	770		560	560			1	7	9				0.49			86	770
	154+68	-	159+97	GLACIERS EDGE TO BREWERY	710		540	540		545	1	5	1				0.45	10	15	20	170
	159+97	-	164+69	BREWERY TO WESTVIEW		1,815	425	425		1,340	3	3	3				1.14	32	36	55	475
	164+69	-	172+00	WESTVIEW TO E.O.P		2,035	1,530	1,530		2,035	1	6	1	25	2		1.28	43	55		
	15+43'P'	-	17+44'P'	CTH P	270												0.17			31	270
				UNDISTRIBUTED			1,000	1,000		750	1	5	5	2		20	1.80	20	25	225	1,500
				TOTAL	7,993	3,850	5,760	5,760	165	4,670	7	67	51	27	2	194	9.26	105	131	1,124	9,428

***QUANTITIES LISTED ELSEWHERE**

All quantities shown are associated with Category 0010 unless otherwise noted

STORM WATER EROSION CONTROL

CATEGORY	STATION	-	STATION	LOCATION	625.0100 TOPSOIL (SY)*	625.0500 SALVAGED TOPSOIL (SY)*	628.1504 SILT FENCE (LF)*	628.1520 SILT FENCE MAINTENANCE (LF)*	628.2004 EROSION MAT CLASS I TYPE B (SY)	628.2037 EROSION MAT CLASS III TYPE C (SY)	628.6005 TURBIDITY BARRIERS (SY)*	629.0210 FERTILIZER TYPE B (CWT)*	630.0130 SEEDING MIXTURE NO. 30 (LB)*	630.0200 SEEDING TEMPORARY (LB)*
0060	9+92	-	12+59	RT			365	365						
	10+00	-	16+85	LT/RT		4005			4,005			2.5	75	110
	12+51	-	13+20	RT	80				80	80		0.05	2	2
	12+59	-	13+63	RT							95			
	13+28	-	13+69	RT	32				32	32		0.03	1	1
	13+63	-	14+13	RT			90	90						
	14+00	-	15+00	RT	113				113	113		0.07	2	3
	14+13	-	14+92	RT							65			
	14+92	-	16+85	RT			245	245						
				UNDISTRIBUTED								0.65	15	25
				TOTAL	225	4,005	700	700	4,230	225	160	3.3	95	141

***QUANTITIES LISTED ELSEWHERE**

MOBILIZATIONS EROSION CONTORL

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
0010	STAGE 1	2	2
	STAGE 2	2	2
	STAGE 3	2	2
	STAGE 4	2	2
	STAGE 5 PHASE 1	2	2
	STAGE 5 PHASE 2	2	2
	STAGE 6	1	1
	TOTAL	13	13

TRACKING PADS

CATEGORY	628.7560 TRACKING PADS (EACH)
UNDISTRIBUTED	4
TOTAL	4

MARKERS CULVERT END

CATEGORY	STATION	LOCATION	633.5200 MARKERS CULVERT END (EACH)
0010	8+10'E'		1
	144+00	LT	1
	144+45	LT	1
	165+79	RT	1
	165+87	LT	1
	169+97	LT	1
	TOTAL		6

PERMANENT SIGNING TYPE II

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH 18-FT (EACH)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	SIGN MOUNTED ON SAME POST AS	REMARKS
	1-01	J12-2	48X45		1		15.00				CTH P / USH 14
	1-02	J13-1	24X45		1		7.50				CTH KP
	1-03	R3-8A	36X30				7.50			MOUNTED ON LIGHT POST	LEFT ONLY / AHEAD ,RIGHT
	1-04	R2-1	24X30		1		5.00				SPEED LIMIT
	1-05	R1-1	30X30	1			6.25				STOP
	1-06	R4-7	24X30	1			5.00				KEEP RIGHT
	1-07	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	1-08	R4-7	24X30	1			5.00				KEEP RIGHT
	1-09	R3-8B	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	1-10	R3-9D	24X6				1.00			1-09	END
	1-11	J4-1	24X36	1			6.00				USH 14
	1-12	R2-1	24X30	1			5.00				SPEED LIMIT
	1-13	R7-1L	18X24	1			3.00				NO PARKING ANY TIME
	1-14	R6-2R	24X30	1			5.00				ONE WAY RIGHT ARROW
	1-15	R3-9B	24X36		1		6.00				BEGIN
	1-16	R3-9C	24X6		1		1.00			1-19	CENTER LANE LEFT TURN ONLY
	2-01	J1-1	24X39				6.50			MOUNTED ON LIGHT POST	JCT/ CTH KP
	2-02	R1-1	30X30	1			5.18				STOP
	2-03	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	2-04	R2-1	24X30				5.00			MOUNTED ON LIGHT POST	SPEED LIMIT
	2-05	R3-9B	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	2-06	R1-1	30X30	1			5.18				STOP
	2-07	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	2-08	R3-9B	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	2-09	R2-1	24X30	1			5.00				SPEED LIMIT

All quantities shown are associated with Category 0010 unless otherwise noted

-CONTINUED ON NEXT PAGE

PERMANENT SIGNING TYPE II - CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH 18-FT (EACH)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	SIGN MOUNTED ON SAME POST AS	REMARKS
	3-01	R3-9B	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	3-02	R1-1	30X30	1			5.18				STOP
	3-03	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	3-04	R2-1	24X30	1			5.00				SPEED LIMIT
	3-05	R1-1	30X30	1			5.18				STOP
	3-06	R3-9B	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	3-07	R1-1	30X30	1			5.18				STOP
	3-08	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	3-09	R3-9B	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	3-10	R2-1	24X30	1			5.00				SPEED LIMIT
	4-01	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	4-02	R1-1	30X30	1			5.18				STOP
	4-03	R3-9B	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	4-04	R3-9C	24X6				1.00			4-03	BEGIN
	4-05	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	4-06	R1-1	30X30	1			5.18				STOP
	4-07	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	4-08	R3-9D	24X36		1		6.00				CENTER LANE LEFT TURN ONLY
	4-09	R3-9B	24X6				1.00			4-10	END
	4-10	R1-1	30X30	1			5.18				STOP
	5-01	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	5-02	R2-1	24X30	1			5.00				SPEED LIMIT
	5-03	R1-1	30X30	1			5.18				STOP
	5-04	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	5-05	R5-1	30X30	1			6.25				DO NOT ENTER
	5-06	R5-1	30X30	1			6.25				DO NOT ENTER
	5-07	R5-1	30X30	1			6.25				DO NOT ENTER
	5-08	R2-1	24X30	1			5.00				SPEED LIMIT
	5-09	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	5-10	R3-2	24X24	1			4.00				NO LEFT TURN SYMBOL
	5-11	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	6-01	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	6-02	R2-1	24X30				5.00			MOUNTED ON LIGHT POST	SPEED LIMIT
	6-03	R1-1	30X30	1			5.18				STOP
	6-04	R7-5D	18X24	1			3.00				2 HOUR PARKING ANY TIME
	6-05	R7-5D	18X24	1			3.00				2 HOUR PARKING ANY TIME
	6-06	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	6-07	R1-1	30X30	1			5.18				STOP
	6-08	R3-2	24X24				4.00				NO LEFT TURN
	6-09	R5-1	30X30		1		6.25				DO NOT ENTER
	6-10	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	6-11	R2-1	24X30	1			5.00				SPEED LIMIT
	6-12	J1-1	24X39		1		6.50				JCT/ CTH P
	6-13	R1-1	30X30	1			5.18				STOP
	7-01	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	7-02	R6-2R	24X30	1			5.00			MOUNTED ON LIGHT POST	ONE WAY
	7-03	R3-8A	36X30	1			7.50				LEFT ONLY / AHEAD ,RIGHT
	7-04	R1-1	30X30	1			5.18				STOP
	7-05	R5-1	30X30	1			6.25				DO NOT ENTER
	7-06	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	7-07	R2-1	24X30		1		5.00				SPEED LIMIT
	7-08	R1-1	30X30	1			5.18				STOP
	7-09	J4-1	24X36		1		6.00				WEST USH 14
	7-10	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	7-11	R4-7	24X30				5.00			MOUNTED ON LIGHT POST	KEEP RIGHT

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PERMANENT SIGNING TYPE II - CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH 18-FT (EACH)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	SIGN MOUNTED ON SAME POST AS	REMARKS
	7-12	W5-54	18X18						2.25	MOUNTED ON LIGHT POST	REFLECTIVE DIAMOND
	7-13	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	7-14	R4-7	24X30				5.00			MOUNTED ON LIGHT POST	KEEP RIGHT
	7-15	R4-7	24X30	1			5.00				KEEP RIGHT
	7-16	R2-1	24X30	1			5.00				SPEED LIMIT
	7-17	R5-1A	36X24	1			6.00				WRONG WAY
	7-18	R6-2R	24X30	1			5.00				ONE WAY
	7-19	J13-1	24X45		1		7.50				CTH P
	8-01	W4-2R	36X36		1				9.00		LANE REDUCTION RIGHT
	8-02	R5-1	30X30	1			6.25				DO NOT ENTER
	8-03	J13-1	24X45		1		7.50				USH 14
	8-04	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-05	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-06	R4-7	24X30	1			5.00				KEEP RIGHT
	8-07	R3-8W	54X30	2			11.25				RIGHT/ THRU/ LEFT ONLY
	8-08	R5-1	30X30	1			6.25				DO NOT ENTER
	8-09	R1-2	36X31	1			3.88				YIELD
	8-10	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-11	R5-1	30X30	1			6.25				DO NOT ENTER
	8-12	J12-1	24X45		1		7.50				CTH P
	8-13	R6-2R	24X30	1			5.00				ONE WAY
	8-14	R5-1A	36X24	1			6.00				WRONG WAY
	8-15	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	8-16	R6-2R	24X30	1			5.00				ONE WAY
	8-17	R4-7	24X30	1			5.00				KEEP RIGHT
	8-18	R4-7	24X30	1			5.00				KEEP RIGHT
	8-19	R4-7	24X30				5.00			MOUNTED ON SIGNAL POST	KEEP RIGHT
	8-20	R4-7	24X30				5.00			MOUNTED ON SIGNAL POST	KEEP RIGHT
	8-21	R4-7	24X30				5.00			MOUNTED ON SIGNAL POST	KEEP RIGHT
	8-22	R4-7	24X30				5.00			MOUNTED ON SIGNAL POST	KEEP RIGHT
	8-23	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-24	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-25	R5-1	30X30				6.25			8-21	DO NOT ENTER
	8-26	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-27	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-28	R3-8W	54X30	2			11.25				LEFT ONLY / AHEAD ONLY / RIGHT ONLY
	8-29	J13-1	24X45	1			7.5				USH 14
	8-30	R5-1	30X30				6.25			MOUNTED ON SIGNAL POST	DO NOT ENTER
	8-31	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	8-32	J4-1	24X36	1			6.00				USH 14
	8-33	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	8-34	R6-2R	24X30	1			5.00				ONE WAY
	8-35	R2-1	24X30	1			5.00				SPEED LIMIT
	9-01	W3-3	36X36		1				9.00		SIGNAL AHEAD
	9-02	J1-1	24X39		1		6.50				JCT/ USH 14
	10-01	R6-2R	24X30	1			5.00				ONE WAY
	10-02	R2-1	24X30	1			5.00				SPEED LIMIT
	10-03	R6-2R	24X30				5.00			MOUNTED ON LIGHT POST	ONE WAY
	10-04	W11-2	30X30		1				6.25		PEDESTRIAN CROSSING
	10-05	W16-7L	24X12						2.00	10-06	
	10-06	R1-1	30X30	1			5.18				STOP
	10-07	J1-1	24X39		1		6.50				JCT/ CTH P
	10-08	R2-1	24X30		1		5.00				SPEED LIMIT
	10-09	W6-1	36X36		1				9.00	MOUNTED ON LIGHT POST	DIVIDED HIGHWAY AHEAD
	10-10	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME

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All quantities shown are associated with Category 0010 unless otherwise noted

PERMANENT SIGNING TYPE II - CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH 18-FT (EACH)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	SIGN MOUNTED ON SAME POST AS	REMARKS
	10-11	R6-2R	24X30				5.00			MOUNTED ON LIGHT POST	ONE WAY
	10-12	R3-20L	24X36		1		6.00				BEGIN LEFT TURN LANE
	10-13	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	10-14	R4-7	24X30	1			5.00				KEEP RIGHT
	10-15	W3-3	36X36		1				9.00		SIGNAL AHEAD
	10-16	R4-7	24X30				5.00			MOUNTED ON LIGHT POST	KEEP RIGHT
	10-17	R4-7	24X30		1		5.00				KEEP RIGHT
	10-18	W5-54	18X18						2.25	10-17	REFLECTIVE DIAMOND
	10-19	W6-2	36X36		1				9.00		DIVIDED HIGHWAY AHEAD
	10-20	R2-1	24X30				5.00			MOUNTED ON LIGHT POST	SPEED LIMIT
	11-01	W11-2	36X26			1			9.00		PEDEISTRIAN CROSSING
	11-02	W16-9P	24X8						1.33	11-01	AHEAD
	11-03	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	11-04	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POST	STOP (FOLDING)
	11-05	R7-1D	18X24				3.00			MOUNTED ON LIGHT POST	NO PARKING ANY TIME
	11-06	R1-1F	36X36					7.46		MOUNTED ON SIGNAL POLE	STOP (FOLDING)
	11-07	R7-1D	18X24	1			3.00				NO PARKING ANY TIME
	11-08	W9-1R	36X36		1				9.00		RIGHT LANE ENDS
	12-01	W3-3	36X36		1				9.00		SIGNAL AHEAD
	12-02	R1-1	30X30	1			5.18				STOP
	12-03	R4-7	24X30	1			5.00				KEEP RIGHT
	12-04	R4-7	24X30	1			5.00				KEEP RIGHT
	12-05	W5-54	18X18		1				2.25		REFLECTIVE DIAMOND
	12-07	W4-2R	36X36		1				9.00		LANE REDUCTION
	12-08	W6-3	36X36			1			9.00		TWO WAY TRAFFIC
	13-01	I2-3	84X24	2			14.00				CROSS PLAINS POPULATION
	13-02	R2-1	24X30	1			5.00				SPEED LIMIT
	13-03	W3-5	36X36			1			9.00		SPEED LIMIT 30 AHEAD
	13-04	J4-1	24X36		1		6.00				USH 14
	13-05	R2-1	24X30		1		5.00				SPEED LIMIT
	13-06	I2-2	72X15			2	7.50				MADISON 14 MILES
	14-01	R7-51L	18X24	1			3.00				NO PARKING TO CORNER
	14-02	R7-51R	18X24	1			3.00				NO PARKING TO CORNER
			TOTAL	82	37	5	711.01	82.06	115.33		

SIGN FLAGS

CATEGORY	SIGN #	SIGN CODE	637.0620 SIGNS FLAGS PERMANENT TYPE II (EACH)
0010	10-18	W3-3	2
	12-09	W3-3	2
		TOTAL	4

All quantities shown are associated with Category 0010 unless otherwise noted

SIGN REMOVALS

CATEGORY	SIGN NUMBER	STATION	LOCATION	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)
	1-01	104+63	32' LT		1	1	
	1-02	104+71	30' LT		1	1	
	1-03	105+24	30' RT		1		
	1-04	107+07	24' LT		1	1	
	1-05	107+47	45' LT		1	1	
	2-01	110+49	25' LT		1	1	
	2-02	110+87	39' LT		1	1	
	2-03	112+40	22' RT		1	1	
	2-04	114+17	33' LT		1	1	
	3-01	116+46	22' RT		1	1	
	3-02	117+38	31' LT		1	1	
	3-03	117+90	30' RT		1	1	
	3-04	119+83	21' LT		1	1	
	3-05	120+55	30' LT		1	1	
	3-06	121+58	23' RT		1	1	
	4-01	123+77	28' LT		1	1	
	4-02	126+98	33' LT		1	1	
	5-01	128+57	18' RT		1	1	
	5-02	129+63	25' RT		1	1	
	5-03,5-04	129+81	29' LT		1	1	
	5-05	130+36	44' LT		1	1	
	5-06	132+27	27' RT		1	1	
	6-01,6-02	136+87	32' LT		2	1	
	6-03	137+00	74' LT		1	1	
	6-04	136+91	46' LT		1	1	
	6-05	136+88	35' LT		1	1	
	6-06	137+90	25' RT		1	1	
	6-07,6-08,6-09,6-10,6-11,6-12,6-13,6-14	139+39	18' RT		1	1	
	6-15	139+43	42' LT		1	1	
	6-16	139+69	13' RT		1	1	
	7-01	142+53	78' LT		1	1	
	7-02	144+11	0'		1	1	
	7-03	144+81	54' LT		1	1	
	7-04	145+81	43' LT		1	1	
	7-05,7-06,7-07	145+80	7' RT		1		
	7-08	145+49	44' LT		1	1	
	8-01	146+00	38' RT		1	1	
	8-02	146+24	68' LT		1		
	8-03,8-04	146+30	66' LT		1	1	
	8-05	147+28	84' LT		1	1	
	8-06	147+76	171' LT		1	1	
	8-07,8-08	147+95	122' LT		1	1	
	8-09	147+98	88' LT		1	1	
	8-10	148+26	58' LT		1	1	
	8-11	148+04	187' LT		1	1	

SIGN REMOVALS - CONTINUED

CATEGORY	SIGN NUMBER	STATION	LOCATION	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)
	8-12	147+49	130' LT		1	1	
	8-13,8-14	150+65	63' LT		1		
	8-15,8-16	152+00	61' LT		1		
	8-17	146+66	42' RT		1	1	
	8-18	149+04	37' RT		1	1	
	8-19	147+18	157' RT		1	1	
	8-20	147+79	57' RT		1	1	
	9-01	153+13	49' LT		1	1	
	9-02	153+44	8' LT		1	1	
	9-03	153+62	53' LT		1		
	9-04	154+47	55' LT		1	1	
	9-05,9-06	155+19	36' LT		1		
	9-07	155+99	21' RT		1	1	
	9-08	156+55	24' RT		1	1	
	9-09,9-10	156+65	21' LT		1		
	9-12	157+93	18' LT		1		
	10-01	159+61	40' LT		1	1	
	10-02	161+74	17' LT		1	1	
	11-01	163+19	22' LT		1	1	
	11-02	163+57	33' RT		1	1	
	11-03	164+56	48' LT		1	1	
	11-04	166+82	33' RT		1	1	
	11-05	166+87	10' LT		1	1	
	11-06	168+16	7' LT	1			1
	11-07	168+87	8' LT	1			1
	12-01	169+32	26' RT		1	1	
	12-02	171+46	18' LT		1	2	
	13-01				1	1	
	13-02				1	1	
	14-01			1			1
	14-02			1			1
	14-03			1			1
	14-04			1			1
			TOTAL	6	73	64	6

All quantities shown are associated with Category 0010 unless otherwise noted

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TRAFFIC CONTROL

STAGE	ROADWAY	643.0300 TRAFFIC CONTROL DRUMS (DAY)*	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAY)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAY)	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C (DAY)	643.0800 TRAFFIC CONTROL ARROW BOARDS (DAY)	643.0900 TRAFFIC CONTROL SIGNS (DAY)	643.3000 TRAFFIC CONTROL DETOUR SIGNS (DAY)*
STAGES 1-4	USH 14	5,500	8,580	17,160			12,100	22,220
STAGE 5, PHASE 1	USH 14	832	16	32			48	
STAGE 5, PHASE 1A	USH 14	6,808	2,024	920	1,840		1,656	
STAGE 5, PHASE 2	USH 14/CTH P	5,124	1,586	976	854		1,342	3,294
STAGE 5, PHASE 2A(1)	USH 14/CTH P	1,368	420	216	300	12	216	1,272
STAGE 5, PHASE 2A(2)	USH 14/CTH P	900	30	20	400		80	1,060
STAGE 5, PHASE 2B	USH 14						132	
STAGE 6	BOURBON RD.						405	
LAGOON ST.	LAGOON ST.						120	
	TOTAL	20,532	12,656	19,324	3,394	12	16,099	27,846

***QUANTITIES LISTED ELSEWHERE**

TRAFFIC CONTROL ALTERNATE ROUTE

CATEGORY	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS (DAY)*	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAY)*	643.3000 TRAFFIC CONTROL DETOUR SIGNS (DAY)*
	245	4,900	1,225	22,785
	TOTAL	4,900	1,225	22,785

***QUANTITIES LISTED ELSEWHERE**

TRAFFIC CONTROL SIGNS PCMS

CATEGORY	ROADWAY	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAY)*	643.0300 TRAFFIC CONTROL DRUMS (DAY)*
	USH 14	488	1,952
	CTH P	488	1,952
	CTH KP	244	976
	TOTAL	1,220	4,880

***QUANTITIES LISTED ELSEWHERE**

TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE

CATEGORY	643.0200 (DAY)
0010	245
TOTAL	245

TRAFFIC CONTROL DETOUR

CATEGORY	643.2000 (EACH)
	1
TOTAL	1

TRAFFIC CONTROL COVERING SIGNS TYPE II

CATEGORY	LOCATION	643.0920 (EACH)	COMMENTS
0010	104+89 TO THE WEST	5	5 SIGNS ONE CYCLE
	172+00 TO THE EAST	5	5 SIGNS ONE CYCLE
	17+43'P' TO THE NORTH	5	5 SIGNS ONE CYCLE
	14+00'P' TO THE SOUTH	5	5 SIGNS ONE CYCLE
TOTAL		20	

GEOTEXTILE FABRIC

CATEGORY	STAGE	STATION	-	STATION	LOCATION	645.0112 GEOTEXTILE FABRIC TYPE DF SCHEDULE B (SY)	645.0120 GEOTEXTILE FABRIC TYPE HR (SY)	645.0130 GEOTEXTILE FABRIC TYPE R (SY)
0010	STAGE 2	8+10'E'					20	
	STAGE 4	144+11			LT		20	
		144+28			LT		20	
	STAGE 5	165+77			RT		20	
		165+85			LT		20	
0060		10+00	-	10+45	LT/RT		290	
		12+60	-	13+60	LT	490	385	467
		14+18	-	14+82	LT	175	258	157
		16+68	-	17+00	LT/RT		162	
0010					TOTAL	0	100	0
0060					TOTAL	665	1,095	624
PROJECT					TOTAL	665	1,195	624

All quantities shown are associated with Category 0010 unless otherwise noted

PAVEMENT MARKING

CATEGORY	STATION	-	STATION	LOCATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW (LF)	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE (LF)	647.0110 PAVEMENT MARKING RAILROAD CROSSINGS EPOXY (EACH)	646.0126 PAVEMENT MARKING EPOXY 8-INCH (LF)	647.0166 PAVEMENT MARKING ARROWS EPOXY TYPE 2 (EACH)	647.0356 PAVEMENT MARKING WORDS EPOXY (EACH)	647.0456 PAVEMENT MARKING CURB EPOXY (LF)	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (LF)	647.0606 PAVEMENT MARKING ISLAND NOSE EPOXY (EACH)	647.0726 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH YELLOW (LF)	647.0766 PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (LF)
0010	104+42	-	107+71	B.O.P. TO WATER	510	160		52	1			44			130
	107+71	-	111+08	WATER TO CENTER	415	540			2		40	18	2		262
	111+08	-	114+39	CENTER TO SPRING	840				4		20	17			68
	114+39	-	117+63	SPRING TO EAST	730				4		20	17			229
	117+63	-	120+73	EAST TO MAPLE	725				4		20	35			232
	120+73	-	124+07	MAPLE TO HICKORY	825				4		20	17			86
	124+07	-	127+27	HICKORY TO WILSON	840			55	3		20	15		55	210
	127+27	-	130+61	WILSON TO MILL	785			105	2	1	40	35		64	302
	130+61	-	132+66	MILL TO AMERICAN LEGION	370	335					20				118
	132+66	-	136+99	AMERICAN LEGION TO CAESAR	845	805					20	17			208
	136+99	-	139+56	CAESAR TO JOVINA	725	390					0	17		31	212
	139+56	-	142+52	JOVINA TO VALLEY	375	485		130	2		40	30			396
	142+52	-	144+79	VALLEY TO EULALIA		420					30	17	1		97
	144+79	-	147+35	EULALIA TO CTH P		365		137	2	1	30	40	1		194
	147+35	-	154+68	CTH P TO GLACIERS EDGE		1,500		510	4	1	110	63	4		400
	154+68	-	159+97	GLACIERS EDGE TO BREWERY	885	215					20	42	2	21	53
	159+97	-	164+69	BREWERY TO WESTVIEW	1,520	255		265	2		0	56		80	36
	164+69	-	172+75	WESTVIEW TO E.O.P	1,610	1,000		147	2	1	20		2	46	
	13+50'P'	-	14+61'P'	CTH P		65		90	2			40	1		156
	15+43'P'	-	17+44'P'	CTH P		350		99	2			40	1		142
	73+79 'O'			LT								22			
	73+79 'O'	-	107+77 'O'	LT/RT	6,670										
	95+62 'O'			RT								20			
	95+70 'O'			LT/RT											90
	96+29 'O'			LT								20			
	106+44 'O'			RT			1								
	107+94 'O'	-	111+50 'O'	LT/RT	720										
	109+24 O'			LT			1								
	LUDDEN DR			RT								38			
	CONTINENTAL LN			RT								20			
	HILLEBRAND DR			RT								20			
	LUDDEN DR			LT											64
	LUDDEN DR			RT											52
	CONTINENTAL LN			LT/RT											94
				TOTAL	19,390	6,885	2	1,590	40	4	470	700	14	297	3,831
					26,275										

All quantities shown are associated with Category 0010 unless otherwise noted

REMOVING PAVEMENT MARKINGS

					646.0600 REMOVING PAVEMENT MARKINGS (LF)	647.0955 REMOVING PAVEMENT MARKING ARROWS (EACH)
	STATION	-	STATION	DESCRIPTION		
0010	153+65	-	172+00	WHITE	2,780	
STAGE 5, PHASE 1	153+65	-	172+00	YELLOW	2,960	
STAGE 5, PHASE 1A	147+85	-	172+00	WHITE	4,187	
	147+85	-	172+00	YELLOW	4,610	
	148+00			ARROW		1
	148+40			ARROW		2
STAGE 5, PHASE 2	152+95	-	172+00	WHITE	1,723	
	149+00	-	172+00	YELLOW	3,755	
	148+20			ARROW		1
	159+15			ARROW		1
	160+45			ARROW		1
	161+00			ARROW		1
	165+45			ARROW		1
STAGE 5, PHASE 2A(1)	147+90	-	172+00	WHITE	3,350	
	147+95	-	172+00	YELLOW	3,020	
	159+00			ARROW		1
	160+45			ARROW		1
	161+00			ARROW		1
STAGE 5, PHASE 2B(1)	152+95	-	153+75	WHITE	80	
	155+00	-	157+80	YELLOW	560	
			TOTAL		27,025	11

TEMPORARY PAVEMENT MARKING

				649.0100 TEMPORARY PAVEMENT MARKING 4-INCH		649.0300 TEMPORARY PAVEMENT MARKING REFLECTIVE TAPE 4-INCH		649.0701 TEMPORARY PAVEMENT MARKING 8-INCH	649.1100 TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH	649.1700 TEMPORARY PAVEMENT MARKING ARROWS
				(YELLOW)	(WHITE)	(YELLOW)	(WHITE)	(WHITE)		
CATEGORY	STA	-	STA	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EACH)
0010	153+65	-	172+00	2,960	2,780					
STAGE 5, PHASE 1	172+00	-	173+50			300	300			
STAGE 5, PHASE 1A	147+85	-	172+00	4,610	4,015	150	215	160	12	
	148+00									1
	148+40									2
STAGE 5, PHASE 2	147+17	-	149+00			400				
	149+00	-	157+00	1,600						
	152+95	-	157+00		405					
	157+00	-	159+30			460	430		11	
	159+30	-	172+00	2,155	1,270				15	
	172+00	-	173+50			300	275			
	148+20									1
	159+15									1
	160+45									1
	161+00									1
	165+45									1
	10+57'R'								22	
STAGE 5, PHASE 2A(1)	143+40	-	144+30				90			
	147+95	-	151+40	345				170		
	147+90	-	153+00		760					
	153+00	-	155+60		40	520	260			
	155+60	-	172+00	2,675	2,280			100		
	159+00									1
	160+45									1
	161+00									1
STAGE 5, PHASE 2A(2)	152+95	-	157+80	560	80					
			TOTAL	14,905	11,630	2,130	1,570	430	60	11
				26,535		3,700				

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All quantities shown are associated with Category 0010 unless otherwise noted

CONSTRUCTION STAKING

CATEGORY		STATION	-	STATION	650.4500 CONSTRUCTION STAKING SUBGRADE (LF)	650.5000 CONSTRUCTION STAKING BASE (LF)	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT (LF)	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE (LF)	650.9920 CONSTRUCTION STAKING SLOPE STAKES (LF)
0010	STAGE 1	104+89	-	117+63	1,274	1,274			1,274
		10+20'B'	-	10+64'B'	44	44			44
		10+20'C'	-	10+48'C'	28	28			28
		10+20'D'	-	10+48'D'	28	28			28
		10+19'E'	-	10+55'E'	36	36			36
		8+10'E'	-	9+77'E'	167	167			77
	STAGE2	117+63	-	126+75	912	912			912
		126+75		130+60	385		385		385
		10+20'F'	-	10+53'F'	33		33		33
		10+20'G'	-	10+49'G'	29		29		29
		10+22'H'	-	10+54'H'	32		32		32
		10+74	-	11+21	47		47		47
		10+15'I'	-	10+63'I'	48		48		48
	STAGE 3	139+56	-	146+69	713		1,426		713
		10+46'M'	-	10+97'M'	51		51		51
		10+54'N'	-	10+98'N'	44		44		44
	STAGE 4	130+60	-	139+56	896		896		896
		10+18'J'	-	11+09'J'	91		91		91
		10+17'K'	-	11+00'K'	83		83		83
		10+30'L'	-	10+77'L'	47		47		47
		24+18	-	24+51	33		33		33
	STAGE 5	146+69	-	148+00	131		131		131
		148+00	-	149+00	100		200		100
		149+00	-	172+75	2,375	2,375			2,375
		15+45'P'	-	17+44'P'	199		398		199
		10+26'Q'	-	10+77'Q'	51	51			51
		10+35'R'	-	11+85'R'	150	150			150
		160+14	-	160+29			15		
		10+36'S'	-	11+40'S'	104	104			104
	STAGE 6	73+77'O'	-	111+50'O'				3,773	
0060		12+49	-	13+69					120
		14+01	-	15+01					100
0010				TOTAL	8,131	5,169	3,989	3,773	8,041
0060				TOTAL	0	0	0	0	220
				TOTAL	8,131	5,169	3,989	3,773	8,261

SAWING PAVEMENT

CATEGORY	STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)
0010	104+78			LT/RT	66	
STAGE 1	10+64'B'			LT/RT	36	5
	10+49'C'			LT/RT	32	5
	10+48'D'			LT/RT	32	5
STAGE 2	10+56'E'			LT/RT	30	5
	8+10'E'	-	8+82'E'	LT/RT	38	
	10+55'F'			LT/RT	30	5
	10+50'G'			LT/RT	30	5
	10+54'H'			LT/RT	30	5
	11+21			LT/RT	22	5
STAGE 3	10+77'L'			LT/RT	32	5
	24+18			LT/RT	22	5
	10+97'M'			LT/RT	32	5
	10+98'N'			LT/RT	30	5
STAGE 4	10+64'I'			LT/RT	29	5
	130+17	-	131+15	RT	90	
	131+15	-	131+26	LT	11	
	132+68	-	133+08	RT	40	
	10+83'J'	-	11+10'J'	RT	28	
	11+09'J'			LT/RT	32	5
	135+30	-	135+72	RT	42	
	11+00'K'			LT/RT	32	5
	137+56	-	137+92	LT	37	
	137+58	-	137+75	RT	17	
	138+29	-	138+85	LT	56	
STAGE 5, PHASE 1	154+50			LT/RT	13	
	170+00	-	172+75	RT	300	
	172+75			RT	4	
STAGE 5, PHASE 1A	149+00	-	154+60	LT	560	
	150+86	-	151+30	RT	44	
	157+00	-	172+75	LT	1600	5
	11+85'R'			LT/RT	37	5
	11+40'S'			LT/RT	33	5
STAGE 5, PHASE 2	17+44'P'			LT/RT	40	5
	16+11'P'			LT	24	
	149+44	-	149+50	LT		6
	150+25	-	150+49	LT	24	
	151+26	-	151+86	LT	60	
	152+06	-	152+42	LT	36	
	153+80	-	154+15	LT	35	
	10+90'Q'			LT/RT	42	5
	14+50'P'			LT/RT		72
	156+32	-	156+72	LT	46	
				TOTAL	3,774	178

All quantities shown are associated with Category 0010 unless otherwise noted

TRAFFIC SIGNAL - SIGNAL CABLE AND WIRE & LIGHTING WIRE

			655.0260	655.0900	655.0610	
PROJECT NUMBER	CABLE RUN FROM	CABLE RUN TO	CABLE TRAFFIC 12-14 AWG (LF)	TRAFFIC SIGNAL EVP DETECTOR CABLE (LF)	ELECTRICAL WIRE LIGHTING 12 AWG (LF)	NOTES
5310-02-70	INTERSECTION OF USH 14 WITH BREWERY ROAD					PROVIDED 10' OF SLACK AT THE CONTROLLER AND 5' OF SLACK AT EACH PULL BOX, FOUNDATION AND SIGNAL
	CB1	SB1	45			ROUTING CONDUCTORS FROM CB1 TO PB1 TO SB1
	SB1	HEAD 1, 8	26			
	CB1	SB2	150	150	150	ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB2 TO SB2
	SB2	HEAD 7, 10	55	45	65	
	CB1	SB8	35			ROUTING CONDUCTORS FROM CB1 TO PB1 TO SB8
	SB8	HEAD 12	21			
	CB1	SB3	145			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB2 TO SB3
	SB3	HEAD 5	23			
	CB1	SB4	225			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB2 TO PB 3 TO SB3
	SB4	HEAD 4	23			
	CB1	SB5	230			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB2 TO PB3 TO SB5
	SB5	HEAD 3, 6	26			
	CB1	SB6	140	140	140	ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB4 TO SB6
	SB6	HEAD 2	60	55	65	
	CB1	SB7	143			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB4 TO SB7
	SB7	HEAD 11	21			
	CB1	SB9	35			ROUTING CONDUCTORS FROM CB1 TO PB1 TO SB9
	SB9	HEAD 9	21			
	SUBTOTAL		1,424	390	420	
5310-02-70	INTERSECTION OF USH 14 WITH CTH P					PROVIDED 10' OF SLACK AT THE CONTROLLER AND 5' OF SLACK AT EACH PULL BOX, FOUNDATION AND SIGNAL
	CB1	SB1	38			ROUTING CONDUCTORS FROM CB1 TO PB1 TO SB1
	SB1	HEAD 2, 22	60	55		EVP AND DUAL LIGHTS
	CB1	SB2	41			ROUTING CONDUCTORS FROM CB1 TO PB1 TO SB2
	SB2	HEAD 23	21			
	CB1	SB3	62			ROUTING CONDUCTORS FROM CB1 TO PB1 TO SB3
	SB3	HEAD 13	21			
	CB1	SB4	135			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB4 TO SB4
	SB4	HEAD 8, 24, 25	35		60	DUAL LIGHTS
	CB1	SB5	470			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB2 to PB4 to PB5 to SB5
	SB5	HEAD 6, 7, 17, 26, 27	52			
	CB1	SB6	210			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB2 TO PB4 TO PB5 TO SB6
	SB6	HEAD 1, 28	23			
	CB1	SB7	280		280	ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB2 TO PB4 TO PB5 TO PB9 TO SB7
	SB7	HEAD 11, 12	23		60	DUAL LIGHTS
	CB1	SB8	350	350		ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB19 TO PB16 TO PB15 TO PB12 TO PB11 TO PB10 TO SB8
	SB8	HEAD 10, 18, 29	55	50		EVP
	CB1	SB9	330			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB19 TO PB16 TO PB15 TO PB12 TO PB11 TO SB9
	SB9	HEAD 5, 19	23			
	CB1	SB10	255		255	ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB19 TO PB16 TO PB15 TO PB12 TO SB10
	SB10	HEAD 16	23		60	
	CB1	SB11	220			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB19 TO PB16 TO PB15 TO SB11
	SB11	HEAD 15, 20	23			
	CB1	SB12	175			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB19 TO PB16 TO SB12
	SB12	HEAD 9, 14, 21	55			
	CB1	SB13	100			ROUTING CONDUCTORS FROM CB1 TO PB1 TO PB19 TO PB16 TO SB12
	SB13	HEAD 3, 4	55			
	SUBTOTAL		3,135	455	715	
PROJECT		TOTAL	4,559	845	1,135	

All quantities shown are associated with Category 0010 unless otherwise noted

TRAFFIC SIGNAL- CONDUIT RIGID NONMETALLIC

PROJECT NUMBER	FROM	TO	**652.0225** SCHEDULE 40 2-INCH (LF)	**652.0235** SCHEDULE 40 3-INCH (LF)	COMMENT
5310-02-70	INTERSECTION OF USH 14 WITH BREWERY ROAD				
	PB8	PB7	35		
	SB7	PB7	20		
	SB5	PB7	10		
	PB10	PB2	180		
	PB2	PB1	45		
	SB1	PB1	20		
	PB6	PB5	170		
	PB5	PB4	75		
	SB5	PB4	25		
	SB4	PB4	30		
	SB3	PB3	10		
	SB2	PB3	20		
	SB8	PB9	10		
	SB9	PB9	10		
	CB1	PB1		30	
	PB1	PB3		200	
	PB3	PB4		110	
	PB4	PB7		150	
	PB7	PB9		200	
	PB9	CB1		30	
	SUBTOTAL		660	720	
5310-02-70	INTERSECTION OF USH 14 WITH CTH P				
	PB3	PB2	175		
	PB2	PB4		130	
	PB4	SB4	7		
	PB4	PB22		70	
	PB22	SB5	10		
	PB22	PB5	70		
	PB8	PB9	40		
	PB5	PB7	200		
	PB5	PB6	35	15	
	PB5	SB6	15		
	PB5	PB9		150	
	PB9	SB7	7		
	PB9	PB10		94	
	PB10	SB8	12		
	PB10	PB11			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB11	SB9			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB11	PB12			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB12	PB15			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB15	PB16			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB12	PB13			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB13	PB14			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB12	SB10			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB15	SB11			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB16	SB12			CONDUIT PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB19	PB17	140		
	PB18	PB19	20		A DEDUCT OF 70' HAS BEEN INCLUDED FOR THE CONDUIT LOCATED IN THE BRIDGE PARAPET WAL
	PB17	PB16	35		
	PB15	PB21		150	
	PB21	SB13	25		
	SB13	PB20	35	120	
	PB21	PB1		110	
	PB1	SB1	18		
	PB1	CB1		45	
	PB2	CB1		60	
	SUBTOTAL		844	944	
PROJECT		TOTAL	1,504	1,664	

All quantities shown are associated with Category 0010 unless otherwise noted

TRAFFIC SIGNAL - PULL BOXES

PROJECT NUMBER	STRUCTURE	STATION	OFFSET	653.0140 PULL BOX STEEL 24X42-INCH (EACH)	COMMENTS
5310-02-70	INTERSECTION OF USH 14 WITH BREWERY ROAD				
	PB-1	160+33	65.1' LT	1	
	PB-2	160+77	56.4' LT	1	
	PB-3	160+14	37.5' RT	1	
	PB-4	159+57	36.7' RT	1	
	PB-5	158+82	37.2' RT	1	
	PB-6	157+04	34.0' RT	1	
	PB-7	159+36	37.8' LT	1	
	PB-8	159+48	69.6' LT	1	
	PB-9	160+22	64.9' LT	1	
	PB-10	162+54	49.6' LT	1	
SUBTOTAL				10	
5310-02-70	INTERSECTION OF USH 14 WITH CTH P				
	PB-1	146+55	74.0' LT	1	
	PB-2	146+78	85.9' LT	1	
	PB-3	17+15'P'	25.3' LT	1	
	PB-4	147+78	73.8' LT	1	
	PB-5	148+25	77.5' LT	1	
	PB-6	148+50	55.2' LT	1	
	PB-7	150+19	55.1' LT	1	
	PB-8	148+38	7.1' LT	1	
	PB-9	148+00	4.6' LT	1	
	EXPB-10	148+00	43.2' RT		PULLBOX PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	EXPB-11	147+77	67.5' RT		PULLBOX PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	EXPB-12	147+16	61.4' RT		PULLBOX PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	EXPB-13	147+16	77.1' RT		PULLBOX PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	EXPB-14	13+45'P'	5.3' LT		PULLBOX PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	EXPB-15	146+59	56.7' RT		PULLBOX PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	EXPB-16	146+36	43.9' RT		PULLBOX PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	PB-17	146+01	32.5' RT	1	
	PB-18	143+77	32.1' RT	1	
	PB-19	144+68	32.1' RT	1	
	PB-20	146+05	16.8' LT	1	
	PB-21	146+59	16.0' LT	1	
	PB-22	147+86	76.4' LT	1	
SUBTOTAL				15	
PROJECT			TOTAL	25	

TRAFFIC SIGNAL - SIGNAL & LIGHTING CONTROLLERS AND CABINETS

PROJECT NUMBER	STRUCTURE	654.0217 CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL (EACH)	COMMENTS
5310-02-70	INTERSECTION OF USH 14 WITH BREWERY ROAD		
	CONTROL CABINET	1	
	LIGHTING CABINET		THE LIGHTING CONTROL WILL BE LOCATED IN THE SIGNAL CABINET
	SUBTOTAL	1	
5310-02-70	INTERSECTION OF USH 14 WITH CTH P		
	CONTROL CABINET	1	
	LIGHTING CABINET		
	SUBTOTAL	1	
PROJECT	TOTAL	2	

All quantities shown are associated with Category 0010 unless otherwise noted

TRAFFIC SIGNALS - LOOP DETECTORS

PROJECT NUMBER	LOOP NO.	STATION	OFFSET	CURBLINE REFERENCE	SIZE	NO. TURNS	**652.0800** CONDUIT LOOP DETECTOR (LF)	**655.0700** LOOP DETECTOR LEAD-IN CABLE (LF)	**655.0800** LOOP DETECTOR WIRE (LF)	COMMENT
5310-02-70	INTERSECTION OF USH 14 WITH BREWERY ROAD									
	21	162+57	21.1'	LT	6 X 20	4	112	350	216	
	22	160+35	34.8'	LT	6 X 20	4	132	170	288	
	23	160+35	16.3'	LT	6 X 20	4	152	170	308	
	24	160+35	5.9'	LT	6 X 20	4	82	170	238	
	41	159+69	78.7'	LT	6 X 15	3	72	160	156	
	42	159+71	70.9'	LT	6 X 15	3	72	160	156	
	61	157+04	12.6'	RT	6 X 20	3	72	445	176	
	62	159+28	17.9'	RT	6 X 20	4	112	270	268	
	63	159+27	6.0'	RT	6 X 20	4	132	270	288	
SUBTOTAL							938	2,165	2,094	
5310-02-70	INTERSECTION OF USH 14 WITH CTH P									
	11	146+06	5.1'	LT	6 X 20	4	72	150	228	
	12	146+30	5.5'	LT	6 X 20	4	76	150	232	
	21	150+36	32.1'	LT	6 X 20	3	92	393	196	
	22	147+96	39.9'	LT	6 X 20	5	102	283	233	
	23	147+96	28.3'	LT	6 X 20	5	122	283	278	
	31	14+19'P'	5.8'	RT	6 X 20	4		280		LOOP PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	32	14+44'P'	5.3'	RT	6 X 20	4		280		LOOP PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	41	17+15'P'	10.0'	LT	6 X 20	4	72	240	176	
	42	15+71P'	41.6'	LT	6 X 20	2	112	60	216	
	43	15+69'P'	29.4'	LT	6 X 20	2	132	60	236	
	51	148+44	17.5'	LT	6 X 20	4	97	335	298	
	52	147+06	17.6'	LT	6 X 20	4	152	240	308	
	61	143+82	11.9'	RT	6 X 20	4	102	240	206	
	62	146+36	18.0'	RT	6 X 20	4	92	250	248	
	63	146+36	5.6'	RT	6 X 20	4	122	130	278	
	71	15+68'P'	18.0'	LT	6 X 20	3	152	130	256	
	81	13+44'P'	14.3'	RT	6 X 20	3		360		LOOP PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	82	14+20'P'	16.7'	RT	6 X 20	4		345		LOOP PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
	83	14+45'P'	32.7'	RT	6 X 20	4		345		LOOP PLACED DURING THE 5310-05-74/5657-00-70 PROJECT
SUBTOTAL							1,497	4,554	3,389	
PROJECT						TOTAL	2,435	6,719	5,483	

OFFSET IS TO FRONT CENTER OF LOOP
ALIGNMENT IS TO NEARER EDGE OF LOOP

All quantities shown are associated with Category 0010 unless otherwise noted

TRAFFIC SIGNALS - POLES, BASES AND LIGHTING

PROJECT NUMBER	SIGNAL BASE	STATION	O/S	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (LS)	654.0101 CONCRETE BASES TYPE 1 (EACH)	654.0102 CONCRETE BASES TYPE 2 (EACH)	657.0100 PEDESTAL BASES (EACH)	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE (EACH)	657.0310 POLES TYPE 3 (EACH)	657.0415 TRAFFIC SIGNAL STANDARDS ALUMINUM 11-FT (EACH)	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT (EACH)	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT (EACH)	657.0585 TROMBONE ARMS 15-FT (EACH)	657.0590 TROMBONE ARMS 20-FT (EACH)	657.0595 TROMBONE ARMS 25-FT (EACH)	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT (EACH)	659.1115 LUMINAIRES UTILITY LED A (EACH)	658.0110 TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL (EACH)	658.0115 TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL (EACH)	658.0155 TRAFFIC SIGNAL FACE 3-12 INCH HORIZONTAL (EACH)	658.0215 BACKPLATES SIGNAL FACE 3 SECTION 12-INCH (EACH)	658.0220 BACKPLATES SIGNAL FACE 4 SECTION 12-INCH (EACH)	658.0500 PEDESTRIAN PUSH BUTTONS (EACH)	658.0635 LED MODULES PEDESTRIAN COUNTDOWN TIMER 16" (EACH)	COMMENTS
5310-02-70	INTERSECTION OF USH 14 WITH BREWERY ROAD																									
0010	SB-01	160+33	L	X	1		1				1								2			2				
	SB-02	160+33	R	X		1		1	1					1		1	1			1	1		1	1	
	SB-03	160+07	R	X	1		1				1								1			1				
	SB-04	159+85	R	X	1		1				1								1			1				
	SB-05	159+33	R	X	1		1				1								2			2				
	SB-06	159+26	L	X		1		1	1							1	1	1			1	1				
	SB-07	159+49	L	X	1		1			1														1	1	
	SB-08	160+17	L	X	1		1			1														1	1	
	SB-09	160+28	L	X	1		1			1														1	1	
5310-02-70	SUBTOTAL			LS	7	2	7	2	2	3	4	0	0	1	1	2	2	6	0	2	8	0	4	4	
5310-02-70	INTERSECTION OF USH 14 WITH CTH P																									
	SB-01	146+46	L	X		1	1			1				1										1	1	
	SB-02	146+72	L	X	1		1			1														1	1	
	SB-03	146+82	L	X	1		1					1							1			1				
	SB-04	147+50	L	X	1			1	1							2	2									
	SB-05	147+86	L	X		1		1	1						1			3	1		3	1	2	2		
	SB-06	148+33	L	X		1	1				1							1			1		1	1		
	SB-07	147+96	L	X		1		1	1				1			2	2	1	1		1	1				
	SB-08	147+97	R		1				1				1					1			1		1	1	(1)	
	SB-09	147+64	R		1							1						1			1		1	1	(2)	
	SB-10	147+17	R			1			1					1		2	2	1			1				(2)	
	SB-11	146+68	R		1						1							1			1		1	1	(2)	
	SB-12	146+40	R		1				1									1	1		1	1	1	1	(1)	
	SB-13	146+38	L	X		1			1				1			2	2		1			1				
5310-02-70	SUBTOTAL	547+57		LS	7	6	4	3	7	2	2	2	3	2	1	8	8	11	4	0	11	4	9	9		
PROJECT	TOTAL	947+97		1	14	8	11	5	9	5	6	2	3	3	2	10	10	17	4	2	19	4	13	13		

(1) BASE AND TRANSFORMER BASE PLACED UNDER SEPARATE PROJECT
(2) BASE AND PEDESTAL BASE PLACED UNDER SEPARATE PROJECT

TRAFFIC SIGNAL PREEMPT

PROJECT	LOCATION	SIGNAL PREEMPT (EACH)	
5310-02-70	INTERSECTION OF USH 14/BREWERY ROAD	1	SPV.0060.45
	INTERSECTION OF USH 14/CTH P	1	SPV.0060.46

CONSTRUCTION STAKING

PROJECT NUMBER		**SPV.0105.30** STORM WATER BASIN (LS)
5310-02-70	STORM WATER BASIN	1

All quantities shown are associated with Category 0010 unless otherwise noted

SEISMOGRAPH SPECIAL

CATEGORY		SPV.0045.01 SEISMOGRAPH SPECIAL (DAY)
0010		250
	TOTAL	250

STORM SEWER TAP

CATEGORY	STATION	LOCATION	SPV.0060.01 STORM SEWER TAP (EACH)	COMMENT
0010	106+60	LT	1	ROOF DRAIN
	10+38'B'	LT	1	ROOF DRAIN
	108+18	RT	3	3 ROOF DRAINS
	119+40	RT	1	SUMP DRAIN
	9+00'E'	RT	1	FLOOR DRAIN
		TOTAL	7	

COVER PLATES PERMANENT

CATEGORY	STATION	LOCATION	SPV.0060.13 COVER PLATES PERMANENT (EACH)
0010	151+79	9.01' LT	1
	151+80	51.20' LT	1
		TOTAL	2

LEOPOLD BENCH

CATEGORY	STATION	LOCATION	SPV.0060.14 LEOPOLD BENCH (EACH)
0010	PROJECT		1
		TOTAL	1

BOOT BRUSH

CATEGORY	STATION	LOCATION	SPV.0060.15 BOOT BRUSH (EACH)
0010	PROJECT		1
		TOTAL	1

ADJUSTING MONITORING WELL

CATEGORY	STATION	LOCATION	SPV.0060.53 ADJUSTING MONITORING WELL (EACH)
0010	108+48	16' LT	1
	111+43	31' RT	1
	134+30	12' LT	1
	165+26	25' LT	1
		TOTAL	4

TEMPORARY CURB RAMP

CATEGORY	LOCATION	SPV.0060.51 TEMPORARY CURB RAMP (EACH)
0010	WATER ST	5
	CENTER ST	5
	SPRING ST	5
	EAST ST	7
	MAPLE ST	5
	HICKORY ST	5
	WILSON ST	7
	MILLS ST	5
	AMERICAN LEGION DR	5
	CAESAR ST	5
	JOVINA ST	7
	VALLEY ST	5
	EULALIA ST	5
	CTH P	15
	GLACIERS EDGE SQUARE	3
	BREWERY RD	2
	UNDISTRIBUTED	4
	TOTAL	95

CONSTRUCTION STAKING CURB RAMP

CATEGORY	LOCATION	SPV.0060.52 CONSTRUCTION STAKING CURB RAMP (EACH)
0010	WATER ST INTERSECTION	7
	CENTER ST INTERSECTION	3
	SPRING ST INTERSECTION	2
	EAST ST INTERSECTION	4
	MAPLE ST INTERSECTION	2
	HICKORY ST INTERSECTION	2
	WILSON ST INTERSECTION	4
	MILL ST INTERSECTION	4
	AMERICAN LEGION DR INTERSECTION	3
	CAESAR ST INTERSECTION	3
	JOVINA ST INTERSECTION	7
	VALLEY ST INTERSECTION	3
	EULALIA ST INTERSECTION	2
	CTH P INTERSECTION	13
	GLACIERS EDGE SQUARE INTERSECTION	3
	BREWERY RD INTERSECTION	2
	TOTAL	64

CRACK AND DAMAGE SURVEY SPECIAL

CATEGORY	NAME	STREET ADDRESS	SPV.0060.54 CRACK AND DAMAGE SURVEY SPECIAL (EACH)
0010	MONK'S RETREAT	1118 MAIN STREET	1
	COACH'S CLUB	1200 MAIN STREET	1
	RESIDENCE	1206 MAIN STREET	1
	MAIN STREET LANES	1721 MAIN STREET	1
	SALON FIDO	1807 MAIN STREET	1
	SHELTON'S	1821 MAIN STREET	1
	TRUE VALUE	1816 MAIN STREET	1
	KURT'S ON MAIN	1902 MAIN STREET	1
	RESIDENCE	1909 MAIN STREET	1
	RESIDENCE	2100 AMERICAN LEGION DRIVE	1
	CROSS PLAINS PHARMACY	1910 MAIN STREET	1
	TANOS PIZZA	1910 MAIN STREET	1
	RESIDENCE	2004 MAIN STREET	1
	RESIDENCE	2104 MAIN STREET	1
	THE FINISHING TOUCH	2009 MAIN STREET	1
	RESIDENCE	2017 MAIN STREET	1
	RESIDENCE	2023 MAIN STREET	1
	RESIDENCE	2031 MAIN STREET	1
	RESIDENCE	2039 MAIN STREET	1
	MAIN STREET SQUARE	2020 MAIN STREET	1
	ICE AGE TRAIL ALLIANCE	2110 MAIN STREET	1
	MORETTI LAW OFFICE	2305 MAIN STREET	1
		TOTAL	22

TREE TRIMMING

CATEGORY	STATION	LOCATION	SPV.0060.55 TREE TRIMMING (EACH)
0010	109+33	36' LT	1
	109+80	36' LT	1
	110+29	36' LT	1
		UNDISTRIBUTED	2
		TOTAL	5

ASPHALT JOINT ADHESIVE

CATEGORY	STATION	-	STATION	SPV.0090.01 ASPHALT JOINT ADHESIVE (LF)
0010	104+78	-	108+18	680
	109+72	-	126+75	3,406
	149+00	-	155+88	3,377
	155+88	-	165+32	1,888
	165+32	-	166+66	268
	166+66	-	172+00	1,068
	UNDISTRIBUTED			500
			TOTAL	11,187

All quantities shown are associated with Category 0010 unless otherwise noted

SALVAGE & REINSTALL LANDSCAPING MATERIALS

CATEGORY	STATION	LOCATION	SPV.0060.57 SALVAGE & REINSTALL LANDSCAPING MATERIALS (EACH)
0010	108+50	RT	1
	110+00	LT	1
	111+50	LT	1
	119+00	LT	1
	122+00	LT	1
	123+00	RT	1
	123+50	LT	1
	124+00	RT	1
	132+00	LT	1
	135+00	RT	1
	136+00	RT	1
	138+50	RT	1
	138+50	LT	1
	141+00	RT	1
	143+00	LT	1
	150+00	RT	1
	150+00	LT	1
	151+50	LT	1
	152+50	LT	1
	154+00	LT	1
	155+10	LT	1
	157+00	LT	1
	167+00	LT	1
		TOTAL	23

PEDESTRIAN SAFETY BARRIER

CATEGORY	STAGE	SPV.0090.17 PEDESTRIAN SAFETY BARRIER (LF)
0010	STAGE 1	2,560
	STAGE 2	2,600
	STAGE 3	1,280
	STAGE 4	1,800
	STAGE 5	5,700
	TOTAL	13,940

SALVAGE FISHERY SIGN

CATEGORY	LOCATION	SPV.0105.01 SALVAGE FISHERY SIGN (LS)
0010	USH 14	1

RESEARCH AND LOCATE EXISTING PROPERTY MONUMENTS

CATEGORY	LOCATION	SPV.0105.02 RESEARCH AND LOCATE EXISTING PROPERTY MONUMENTS (LS)
0010	USH 14	1

VERIFY AND REPLACE EXISTING PROPERTY MONUMENTS

CATEGORY	LOCATION	SPV.0105.03 VERIFY AND REPLACE EXISTING PROPERTY MONUMENTS (LS)
0010	USH 14	1

CONCRETE PAVEMENT JOINT LAYOUT

CATEGORY	LOCATION	SPV.0105.04 CONCRETE PAVEMENT JOINT LAYOUT (LS)
0010	USH 14	1

TIMBER STEPS

CATEGORY	LOCATION	SPV.0105.05 TIMBER STEPS (LS)
0010		1

TEMPORARY CROSSWALK ACCESS

	LOCATION	SPV.0105.06 - SPV.0105.21 TEMPORARY CROSSWALK ACCESS (LS)
SPV.0105.06	TEMPORARY CROSSWALK ACCESS (USH 14 AND WATER STREET)	1
SPV.0105.07	TEMPORARY CROSSWALK ACCESS (USH 14 AND CENTER STREET)	1
SPV.0105.08	TEMPORARY CROSSWALK ACCESS (USH 14 AND SPRING STREET)	1
SPV.0105.09	TEMPORARY CROSSWALK ACCESS (USH 14 AND EAST STREET)	1
SPV.0105.10	TEMPORARY CROSSWALK ACCESS (USH 14 AND MAPLE STREET)	1
SPV.0105.11	TEMPORARY CROSSWALK ACCESS (USH 14 AND HICKORY STREET)	1
SPV.0105.12	TEMPORARY CROSSWALK ACCESS (USH 14 AND WILSON STREET)	1
SPV.0105.13	TEMPORARY CROSSWALK ACCESS (USH 14 AND MILL STREET)	1
SPV.0105.14	TEMPORARY CROSSWALK ACCESS (USH 14 AND AMERICAN LEGION DRIVE)	1
SPV.0105.15	TEMPORARY CROSSWALK ACCESS (USH 14 AND CAESAR STREET)	1
SPV.0105.16	TEMPORARY CROSSWALK ACCESS (USH 14 AND JOVINA STREET)	1
SPV.0105.17	TEMPORARY CROSSWALK ACCESS (USH 14 AND VALLEY STREET)	1
SPV.0105.18	TEMPORARY CROSSWALK ACCESS (USH 14 AND EULALIA STREET)	1
SPV.0105.19	TEMPORARY CROSSWALK ACCESS (USH 14 AND CTH P)	1
SPV.0105.20	TEMPORARY CROSSWALK ACCESS (USH 14 AND GLACIERS EDGE SQUARE)	1
SPV.0105.21	TEMPORARY CROSSWALK ACCESS (USH 14 AND BREWERY ROAD)	1

All quantities shown are associated with Category 0010 unless otherwise noted

REMOVING TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0105.23 REMOVING TRAFFIC SIGNALS (LS)
0010	CTH P & USH 14 INTERSECTION	1

GEOGRID REINFORCEMENT

CATEGORY	STATION	-	STATION	LOCATION	SPV.0180.01 GEOGRID REINFORCEMENT (SY)
	104+89	-	105+60	LT	240
STAGE 1	105+60	-	117+50	LT/RT	5,950
	10+20 'B'	-	10+60 'B'	LT/RT	200
	10+20 'C'	-	10+45 'C'	LT/RT	115
	10+20 'D'	-	10+50 'D'	LT/RT	135
STAGE 2	117+50	-	130+47	LT/RT	6,980
	8+10 'E'	-	9+7575 'E'	LT/RT	735
	10+20 'E'	-	10+72 'E'	LT/RT	260
	10+20 'F'	-	10+50 'F'	LT/RT	135
	10+20 'G'	-	10+50 'G'	LT/RT	150
	10+20 'H'	-	10+54 'H'	LT/RT	150
	SOUTH (ACROSS FROM WILSON)			LT/RT	165
STAGE 3	139+40	-	146+50	LT/RT	5,795
	9+50 'L'	-	9+80 'L'	LT/RT	110
	10+30 'L'	-	10+77 'L'	LT/RT	220
	10+50 'M'	-	10+97 'M'	LT/RT	220
	10+60 'N'	-	10+98 'N'	LT/RT	170
STAGE 4	130+47	-	139+40	LT/RT	4,220
	10+20 'I'	-	10+64 'I'	LT/RT	195
	10+20 'J'	-	11+10 'J'	LT/RT	420
	10+00 'K'	-	11+00 'K'	LT/RT	470
STAGE 5	146+50		148+00	RT	535
	146+50		149+00	LT	1,250
	149+00		154+26	LT/RT	5,030
	154+26		170+00	LT/RT	10,600
	170+00		172+00	LT	490
	15+50 'P'		17+44 'P'	LT/RT	1,920
	10+40 'O'		10+77 'O'	LT/RT	210
	10+40 'R'		11+85 'R'	LT/RT	745
	10+40 'S'		11+40 'S'	LT/RT	455
				TOTAL	48,270

MAINTAINING AND REMOVING TEMPORARY TRAFFIC SIGNAL

	LOCATION	SPV.0105 MAINTAINING AND REMOVING TEMPORARY TRAFFIC SIGNAL (LS)
SPV.0105.26	USH 14 AND CTH P	1
SPV.0105.27	CTH P AND BOURBON ROAD	1
SPV.0105.28	CTH KP AND BOURBON ROAD	1
SPV.0105.29	HILLEBRAND DRIVE AND BOURBON ROAD	1

TEMPORARY BICYCLE/PEDESTRIAN ACCESS

CATEGORY	STAGE	SPV.0180.02 TEMPORARY BICYCLE/PEDESTRIAN ACCESS (SY)
0010	STAGE 1	700
	STAGE 2	800
	STAGE 3	500
	STAGE 4	600
	STAGE 5	1,200
	TOTAL	3,800

THERMOPLASTIC ASPHALT CROSSWALK

CATEGORY	STATION	-	STATION	LOCATION	SPV.0165.03 THERMOPLASTIC ASPHALT CROSSWALK (SF)
0040	108+29	-	108+35	LT/RT	171
	154+27	-	154+33	LT/RT	426
				TOTAL	597

TEMPORARY ACCESS BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STAGE	LOCATION	SPV.0195.01 TEMPORARY ACCESS BASE AGGREGATE DENSE 1 1/4-INCH (TON)
0010	STAGE 1		1,000
	STAGE 2		1,000
	STAGE 3		1,000
	STAGE 4		1,000
	STAGE 5		1,000
		TOTAL	5,000

All quantities shown are associated with Category 0010 unless otherwise noted

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.03

THAT PART OF LOT 3, OF C.S.M. 4910, LOT 1, OF C.S.M. 4912, LOTS 1 & 2, OF C.S.M. 6021, LOTS 3 & 4, OF BLOCK 1, LOT 1, OF BLOCK 2, PLAT OF FOXVILLE, AND VACATED WATER STREET LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.03
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
11	KALSHEUR IMPLEMENT COMPANY, INC.	FEE & TLE	506		506		1,530
12	SANDLEWOOD PROPERTIES, LLC	FEE & TLE	437		437		171
13	JPH PROPERTIES, LLC	FEE & TLE	9		9		648
14	JAMES AND JUDITH NONN LIVING TRUST	TLE					841
16	STATE BANK OF CROSS PLAINS	FEE & TLE	155		155		650

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS
89	MID PLAINS TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS

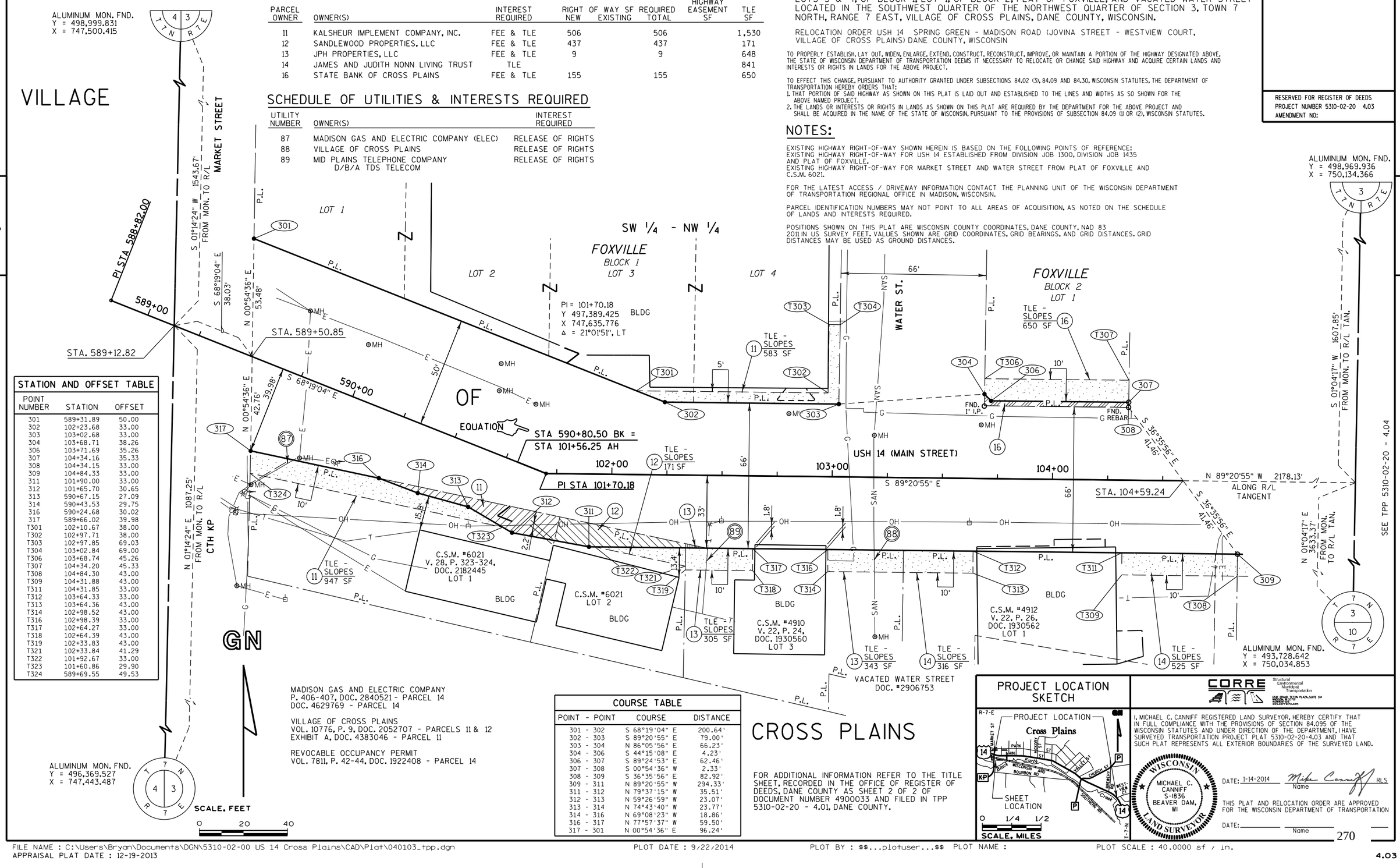
NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, DIVISION JOB 1435 AND PLAT OF FOXVILLE.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MARKET STREET AND WATER STREET FROM PLAT OF FOXVILLE AND C.S.M. 6021.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.



STATION AND OFFSET TABLE		
POINT NUMBER	STATION	OFFSET
301	589+31.89	50.00
302	102+23.68	33.00
303	103+02.68	33.00
304	103+68.71	38.26
306	103+71.69	35.26
307	104+34.16	35.33
308	104+34.15	33.00
309	104+84.33	33.00
311	101+90.00	33.00
312	101+65.70	30.65
313	590+67.15	27.09
314	590+43.53	29.75
316	590+24.68	30.02
317	589+66.02	39.98
T301	102+10.67	38.00
T302	102+97.71	38.00
T303	102+97.85	69.03
T304	103+02.84	69.00
T306	103+68.74	45.26
T307	104+34.20	45.33
T308	104+84.30	43.00
T309	104+31.88	43.00
T311	104+31.85	33.00
T312	103+64.33	33.00
T313	103+64.36	43.00
T314	102+98.52	43.00
T316	102+98.39	33.00
T317	102+64.27	33.00
T318	102+64.39	43.00
T319	102+33.83	43.00
T321	102+33.84	41.29
T322	101+92.67	33.00
T323	101+60.86	29.90
T324	589+69.55	49.53

COURSE TABLE		
POINT - POINT	COURSE	DISTANCE
301 - 302	S 68°19'04" E	200.64'
302 - 303	S 89°20'55" E	79.00'
303 - 304	N 86°05'56" E	66.23'
304 - 306	S 44°15'08" E	4.23'
306 - 307	S 89°24'53" E	62.46'
307 - 308	S 00°54'36" W	2.33'
308 - 309	S 36°35'56" E	82.92'
309 - 311	N 89°20'55" W	294.33'
311 - 312	N 79°37'15" W	35.51'
312 - 313	N 59°26'59" W	23.07'
313 - 314	N 74°43'40" W	23.77'
314 - 316	N 69°08'23" W	18.86'
316 - 317	N 77°57'37" W	59.50'
317 - 301	N 00°54'36" E	96.24'

MADISON GAS AND ELECTRIC COMPANY
P. 406-407, DOC. 2840521 - PARCEL 14
DOC. 4629769 - PARCEL 14

VILLAGE OF CROSS PLAINS
VOL. 10776, P. 9, DOC. 2052707 - PARCELS 11 & 12
EXHIBIT A, DOC. 4383046 - PARCEL 11

REVOCABLE OCCUPANCY PERMIT
VOL. 7811, P. 42-44, DOC. 1922408 - PARCEL 14

CROSS PLAINS

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

PROJECT LOCATION SKETCH

CORRE — Structural Environmental Municipal Transportation

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.03 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN — MICHAEL C. CANNIFF S-1836 BEAVER DAM, WI — LAND SURVEYOR

DATE: 1-14-2014 Mike Canniff Name RLS

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ Name _____

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040103_tpp.dgn
APPRAISAL PLAT DATE : 12-19-2013
PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

4.03

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	RIGHT OF WAY SF REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
17	CROSS PLAINS INVESTORS, LLC	FEE & TLE	486		486		1,986
18	KEVIN J. ENGELIEN AND JENNIFER L. FOERSTER-ENGELIEN	FEE & TLE	175		175		981
19	EDWARD ZANDER	FEE & TLE	183		183		999
21	JOSEPH M. PARRELL AND DONNA M. PARRELL	FEE & TLE	187		187		991
22	BUECHNER TRUST	FEE & TLE	192		192		992
23	PATRICIA A. SCHROEDER	TLE					305
24	ZANDER'S CREAMERY, INC.	TLE					245
26	JOH-MAY ENTERPRISES, LLC	TLE					866
27	Z BOYS PROPERTIES, LLC	TLE					660
28	AMACHER PROPERTIES, LLP	TLE					292

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
401 - 402	N 00°54'36" E	2.33'
402 - 403	S 89°24'53" E	198.57'
403 - 404	S 89°24'53" E	66.00'
404 - 406	S 89°24'53" E	264.21'
406 - 407	S 00°47'59" W	2.94'
407 - 408	S 01°22'24" W	66.01'
408 - 409	N 89°20'55" W	477.76'
409 - 401	N 36°35'56" W	82.92'

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300 AND PLAT OF FOXVILLE.
EXISTING RIGHT-OF-WAY FOR CENTER STREET AND SPRING STREET ESTABLISHED FROM PLAT OF FOXVILLE.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET
401	104+34.15	33.00
402	104+34.16	35.33
403	106+32.73	35.56
404	106+98.73	35.64
406	109+62.94	35.94
407	109+62.93	33.00
408	109+62.10	33.00
409	104+84.33	33.00
T401	104+34.20	45.33
T402	106+32.77	45.56
T403	106+98.79	50.64
T404	109+63.01	50.94
T406	109+25.89	33.00
T407	109+25.90	43.00
T408	107+87.40	43.00
T409	107+87.39	33.00
T411	107+64.18	33.00
T412	107+64.18	43.00
T413	107+49.05	43.00
T414	107+49.16	33.00
T416	107+05.80	33.00
T417	107+05.69	43.00
T418	106+77.50	43.00
T419	106+77.62	33.00
T421	105+72.89	33.00
T422	105+72.77	43.00
T423	105+31.02	43.00
T424	105+31.49	33.00
T426	104+97.92	33.00
T427	104+97.48	43.00
T428	104+84.30	43.00

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.04

THAT PART OF LOTS 2, 3, & 4, OF BLOCK 2, LOTS 1, 2, 3, & 4 OF BLOCK 3, LOTS 1, 2, 3 & 4 OF BLOCK 6, PLAT OF FOXVILLE, LOTS 2 & 3, OF C.S.M. 4912 AND VACATED CENTER STREET LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

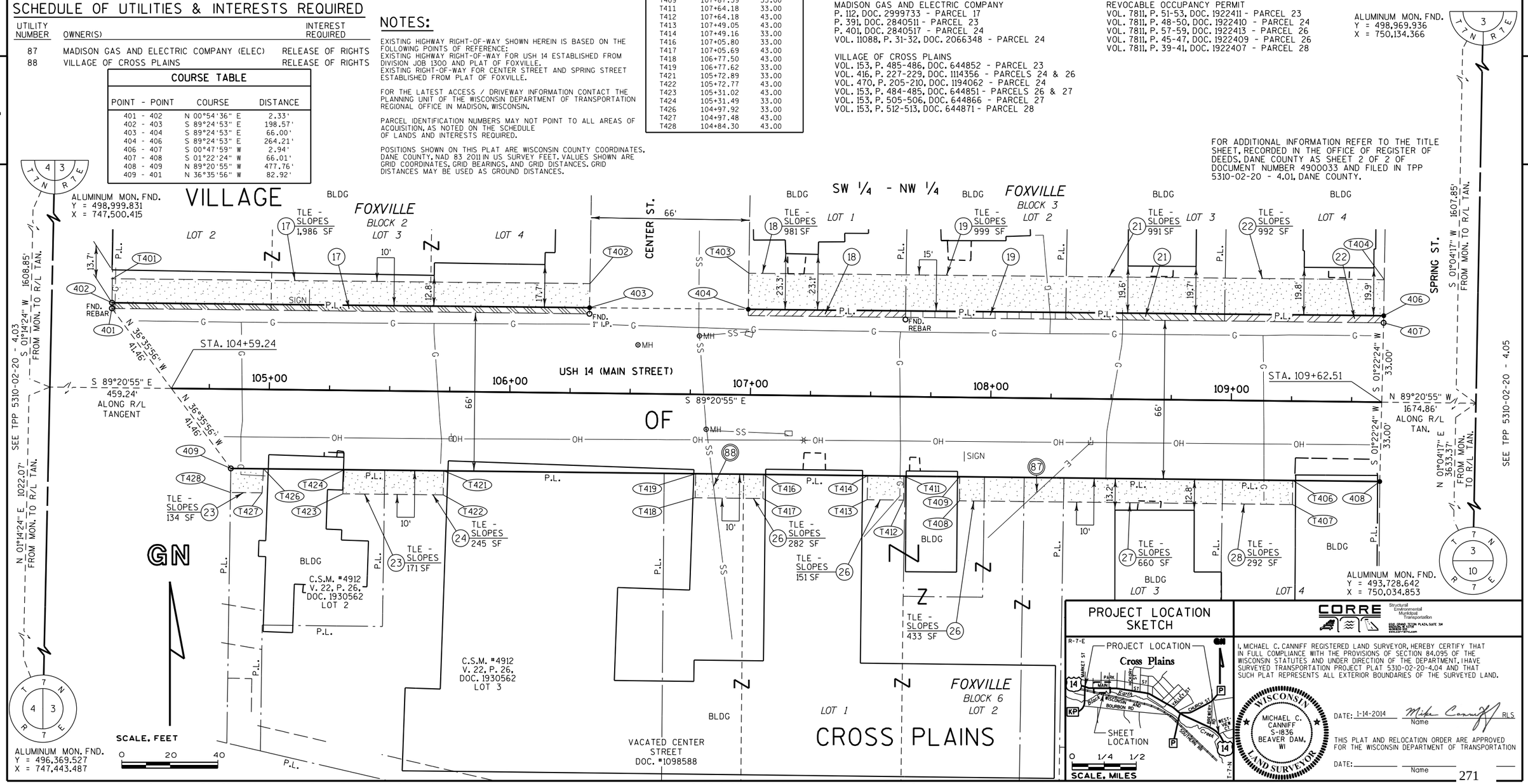
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.04
AMENDMENT NO:

MADISON GAS AND ELECTRIC COMPANY
P. 112, DOC. 2999733 - PARCEL 17
P. 391, DOC. 2840511 - PARCEL 23
P. 401, DOC. 2840517 - PARCEL 24
VOL. 11088, P. 31-32, DOC. 2066348 - PARCEL 24

VILLAGE OF CROSS PLAINS
VOL. 153, P. 485-486, DOC. 644852 - PARCEL 23
VOL. 416, P. 227-229, DOC. 1114356 - PARCELS 24 & 26
VOL. 470, P. 205-210, DOC. 1194062 - PARCEL 24
VOL. 153, P. 484-485, DOC. 644851 - PARCELS 26 & 27
VOL. 153, P. 505-506, DOC. 644866 - PARCEL 27
VOL. 153, P. 512-513, DOC. 644871 - PARCEL 28

REVOCABLE OCCUPANCY PERMIT
VOL. 7811, P. 51-53, DOC. 1922411 - PARCEL 23
VOL. 7811, P. 48-50, DOC. 1922410 - PARCEL 24
VOL. 7811, P. 57-59, DOC. 1922413 - PARCEL 26
VOL. 7811, P. 45-47, DOC. 1922409 - PARCEL 26
VOL. 7811, P. 39-41, DOC. 1922407 - PARCEL 28

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.



PROJECT LOCATION SKETCH

CORRE
Structural Environmental Municipal Transportation
1230 GRAND TETON PLAZA, SUITE 304
MADISON, WI 53719
WWW.CORRE.COM

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.04 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
MICHAEL C. CANNIFF
S-1836
BEAVER DAM, WI
LAND SURVEYOR

DATE: 1-14-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040104_tpp.dgn
APPRAISAL PLAT DATE : 12-19-2013
PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : 40.0000 sf / in.

4.04

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.05

THAT PART OF LOTS 1, 2, 3, & 4, OF BLOCK 4, LOTS 1, 2, 3, & 4 OF BLOCK 5, PLAT OF FOXVILLE, LOTS 6, 7, & 8 OF BLOCK 1, PLAT OF BAILEY & SAEMEN'S ADDITION TO FOXVILLE AND LOTS 1, 2, 3, & 4, BLOCK 1, PLAT OF MILL ADDITION, LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.05
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
29	JOHN BURANDT AND TRACY BURANDT	FEE & TLE	202		202		991
31	WILLIAM A. CRUZEN AND CHRISTINA L. CRUZEN	FEE & TLE	207		207		988
32	RICHARD C. SCHUCHARDT	FEE & TLE	212		212		992
33	PAUL K. WELLNER AND KRISTINE L. WELLNER	FEE & TLE	228		228		1,016
34	WILLIAM HUTTER	FEE & TLE	12		12		1,280
36	KEVIN J. ZANDER AND CHERYLANNE C. ZANDER	TLE					743
37	CAROLYN GARFOOT	TLE					1,023
38	MICHAEL K. CUNNINGHAM AND HEIDI M. CUNNINGHAM	TLE					660
39	CHRISTOPHER L. LEWIS AND CATHERINE M. LEWIS	TLE					1,188
41	LEORA A. RICHGELS	FEE & TLE	49		49		790
42	COREY J. AND LYNNE M. BALLWEG REVOCABLE LIVING TRUST	FEE & TLE	658		658		1,384
43	JILL M. SCHUCHARDT	FEE & TLE	375		375		803

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS
89	MID PLAINS TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS

VILLAGE OF CROSS PLAINS
VOL. 153, P. 480-481, DOC. 644848 - PARCEL 39
VOL. 153, P. 509-510, DOC. 644869 - PARCEL 41
VOL. 153, P. 481-482, DOC. 644849 - PARCEL 42

MID PLAINS TELEPHONE COMPANY
VOL. 14953, P. 59, DOC. 2230773 - PARCEL 36

ENCROACHMENT EASEMENT
P. 371-374, DOC. 2858856 - PARCELS 29 & 31

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, PLAT OF FOXVILLE, PLAT OF BAILEY & SAEMAN'S ADDITION TO FOXVILLE AND PLAT OF MILL ADDITION TO CROSS PLAINS.
EXISTING RIGHT-OF-WAY FOR SPRING STREET, EAST STREET AND MAPLE STREET ESTABLISHED FROM PLAT OF FOXVILLE, PLAT OF BAILEY & SAEMAN'S ADDITION TO FOXVILLE AND PLAT OF MILL ADDITION TO CROSS PLAINS.

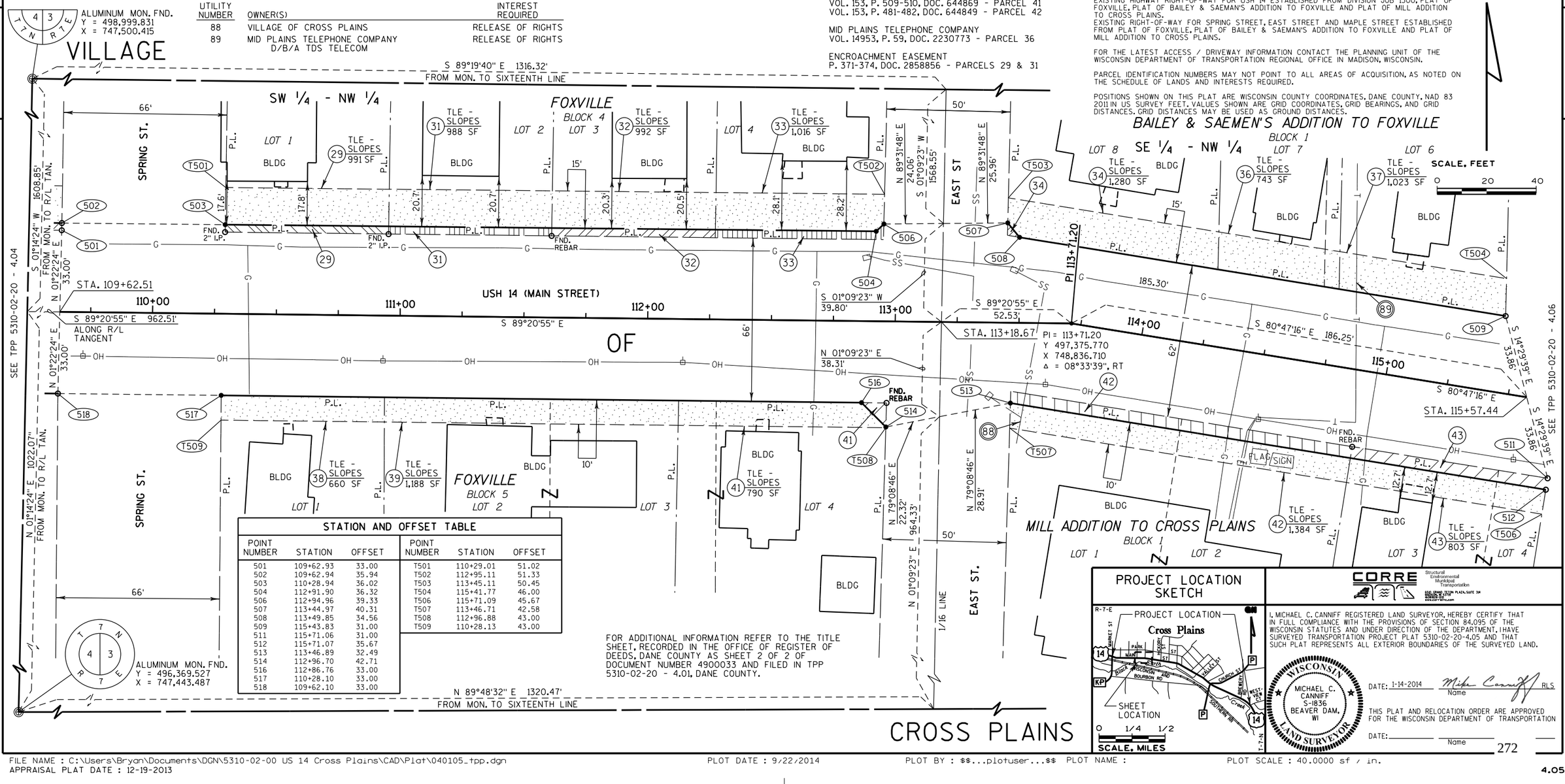
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

COURSE TABLE		
POINT - POINT	COURSE	DISTANCE
501 - 502	N 00°47'59" E	2.94'
502 - 503	S 89°24'53" E	66.01'
503 - 504	S 89°24'53" E	262.96'
504 - 506	N 46°07'37" E	4.28'
506 - 507	N 89°31'48" E	50.03'
507 - 508	S 39°41'42" E	7.54'
508 - 509	S 80°47'16" E	198.89'
509 - 511	S 14°29'39" E	67.71'
511 - 512	S 09°05'17" W	4.67'
512 - 513	N 80°48'29" W	219.07'
513 - 514	S 79°08'46" W	51.23'
514 - 516	N 45°00'00" W	13.89'
516 - 517	N 89°20'55" W	258.67'
517 - 518	N 89°20'55" W	66.00'
518 - 501	N 01°22'24" E	66.01'

STATION AND OFFSET TABLE					
POINT NUMBER	STATION	OFFSET	POINT NUMBER	STATION	OFFSET
501	109+62.93	33.00	T501	110+29.01	51.02
502	109+62.94	35.94	T502	112+95.11	51.33
503	110+28.94	36.02	T503	113+45.11	50.45
504	112+91.90	36.32	T504	115+41.77	46.00
506	112+94.96	39.33	T506	115+71.09	45.67
507	113+44.97	40.31	T507	113+46.71	42.58
508	113+49.85	34.56	T508	112+96.88	43.00
509	115+43.83	31.00	T509	110+28.13	43.00
511	115+71.06	31.00			
512	115+71.07	35.67			
513	113+46.89	32.49			
514	112+96.70	42.71			
516	112+86.76	33.00			
517	110+28.10	33.00			
518	109+62.10	33.00			



PROJECT LOCATION SKETCH

CORRE — Structural, Environmental, Municipal, Transportation
555 GRAND TETON PLAZA, SUITE 304, MADISON, WI 53719, WWW.CORRE-INC.COM

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.05 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN — MICHAEL C. CANNIFF S-1836 BEAVER DAM, WI — LAND SURVEYOR

DATE: 1-14-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040105_tpp.dgn
APPRAISAL PLAT DATE : 12-19-2013
PLOT DATE : 9/22/2014
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : 40.0000 sf / in.

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.06

THAT PART OF LOT 5 OF BLOCK 1, LOTS 8, 7, 6, & 5, OF BLOCK 2, LOTS 8 & 7 OF BLOCK 3, PLAT OF BAILEY & SAEMEN'S ADDITION TO FOXVILLE AND LOTS 4, 5, 6, 7, 8, 9, 10, 11, & 12, BLOCK 1, PLAT OF MILL ADDITION TO CROSS PLAINS, LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.06
AMENDMENT NO:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

ALUMINUM MON. FND.
Y = 489,999.831
X = 747,500.415

ALUMINUM MON. FND.
Y = 498,969.936
X = 750,134.366

ALUMINUM MON. FND.
Y = 496,369.527
X = 747,443.487

ALUMINUM MON. FND.
Y = 493,728.642
X = 750,034.853

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
601 - 602	S 80°47'16" E	63.00'
602 - 603	N 50°18'18" E	6.57'
603 - 604	S 80°47'16" E	50.47'
604 - 606	S 39°41'42" E	7.54'
606 - 607	S 80°47'16" E	260.95'
607 - 608	N 50°18'18" E	6.57'
608 - 609	S 80°47'16" E	50.47'
609 - 611	S 39°41'42" E	7.54'
611 - 612	S 80°47'16" E	131.00'
612 - 613	S 02°10'54" W	62.47'
613 - 614	S 08°41'03" W	4.47'
614 - 616	N 80°48'29" W	556.34'
616 - 617	N 09°05'17" E	4.67'
617 - 601	N 14°29'39" W	67.71'

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET	POINT NUMBER	STATION	OFFSET	POINT NUMBER	STATION	OFFSET
601	115+43.83	31.00	T601	115+41.77	46.00	T618	119+40.21	45.54
602	116+06.83	31.00	T602	116+09.77	46.00	T619	118+57.41	45.57
603	116+11.15	35.95	T603	116+60.24	46.00	T621	118+57.41	38.15
604	116+61.62	35.95	T604	117+28.24	46.00	T622	118+21.02	37.44
606	116+67.30	31.00	T606	117+28.33	45.34	T623	118+21.02	45.58
607	119+28.25	31.00	T607	117+95.81	45.34	T624	117+65.16	45.60
608	119+32.57	35.95	T608	117+95.72	46.00	T626	117+65.15	40.95
609	119+83.04	35.95	T609	119+31.19	46.00	T627	117+14.14	41.00
611	119+88.72	31.00	T611	119+81.66	46.00	T628	117+14.15	45.62
612	121+19.72	31.00	T612	121+17.66	46.00	T629	115+71.09	45.67
613	121+27.36	31.00	T613	121+27.50	45.47			
614	121+27.40	35.47	T614	119+85.40	45.52			
616	115+71.07	35.67	T616	119+85.29	39.44			
617	115+71.06	31.00	T617	119+40.11	40.29			

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, PLAT OF BAILEY & SAEMAN'S ADDITION TO FOXVILLE AND PLAT OF MILL ADDITION TO CROSS PLAINS, EXISTING RIGHT-OF-WAY FOR MAPLE STREET AND HICKORY STREET ESTABLISHED FROM PLAT OF BAILEY & SAEMAN'S ADDITION TO FOXVILLE AND PLAT OF MILL ADDITION TO CROSS PLAINS.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	RIGHT OF WAY SF REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
44	GLEN K. MEISTER AND DEBRA MEISTER	FEE & TLE	12		12		1,008
46	JUSTIN A. SPAHN AND EMILY D. SPAHN	FEE & TLE	12		12		1,008
47	ARDYCE M. WEICHBROD LIVING TRUST	TLE					967
48	SANDRA M. FAUST AND WAYNE L. BUSCHMANN	TLE					1,012
49	WAYNE R. ESSER	FEE & TLE	12		12		1,008
51	BEN BRINTLINGER AND KATHRYN BRINTLINGER	FEE & TLE	12		12		1,005
52	RYAN R. SINGH AND AMY S. SINGH AND BIBHUTI SINGH	TLE					1,022
53	FOXVILLE APARTMENTS, LLC	FEE & TLE	386		386		833
54	DANIEL J. ZAUNER AND BOBBI J. ZAUNER	FEE & TLE	278		278		601
56	CARL N. AND DARLENE S. LOCHNER LIVING TRUST	FEE & TLE	235		235		274
57	JERID SCOTT	FEE & TLE	473		473		748
58	JOHN W. YRIOS	FEE & TLE	727		727		1,345
59	LIEF K. HANSEN	FEE & TLE	445		445		991

VILLAGE OF CROSS PLAINS
VOL. 153, P. 499-500, DOC. 644862 - PARCEL 44
VOL. 153, P. 502-503, DOC. 644864 - PARCEL 46
VOL. 153, P. 510-511, DOC. 644870 - PARCEL 47
VOL. 153, P. 515-516, DOC. 644873 - PARCEL 48
VOL. 153, P. 513-514, DOC. 644872 - PARCEL 49
VOL. 153, P. 499-500, DOC. 644862 - PARCEL 53
VOL. 153, P. 495-496, DOC. 644859 - PARCEL 54
VOL. 153, P. 498-499, DOC. 644861 - PARCEL 56
VOL. 153, P. 493-494, DOC. 644857 - PARCEL 57
VOL. 153, P. 487-488, DOC. 644853 - PARCEL 58
VOL. 153, P. 488-489, DOC. 644854 - PARCEL 58
VOL. 153, P. 507-508, DOC. 644868 - PARCEL 58
VOL. 153, P. 497-498, DOC. 644860 - PARCEL 59

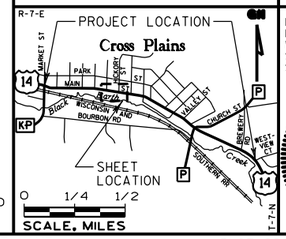
REVOCABLE OCCUPANCY PERMIT
VOL. 7811, P. 54-56, DOC. 1922412 - PARCEL 58

GN

SCALE, FEET
0 20 40

SCALE, MILES
0 1/4 1/2

PROJECT LOCATION SKETCH



CORRE
Structural Environmental Municipal Transportation
8505 GREENWAY BLVD, SUITE 204 MIDDLETON, WI 53562 (608) 824-5180 www.CORRE.com

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.06 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
MICHAEL C. CANNIFF
S-1836
BEAVER DAM, WI
LAND SURVEYOR

DATE: 1-14-2014 Michael Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

273

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040106_tpp.dgn
APPRAISAL PLAT DATE : 1-9-2014
PLOT DATE : 9/22/2014
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : 40.0000 sf / in.

4.06

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.07

THAT PART OF LOTS 6 & 5, OF BLOCK 3, LOT 1 OF BLOCK 4, PLAT OF BAILEY & SAEMEN'S ADDITION TO FOXVILLE, AND LOTS 1, 2, & 3, OF BLOCK 2, PART OF LOTS 13, 14, 16 AND 17 OF BLOCK 1, PLAT OF MILL ADDITION TO CROSS PLAINS, AND ALSO THAT PART OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER, ALL LOCATED IN SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

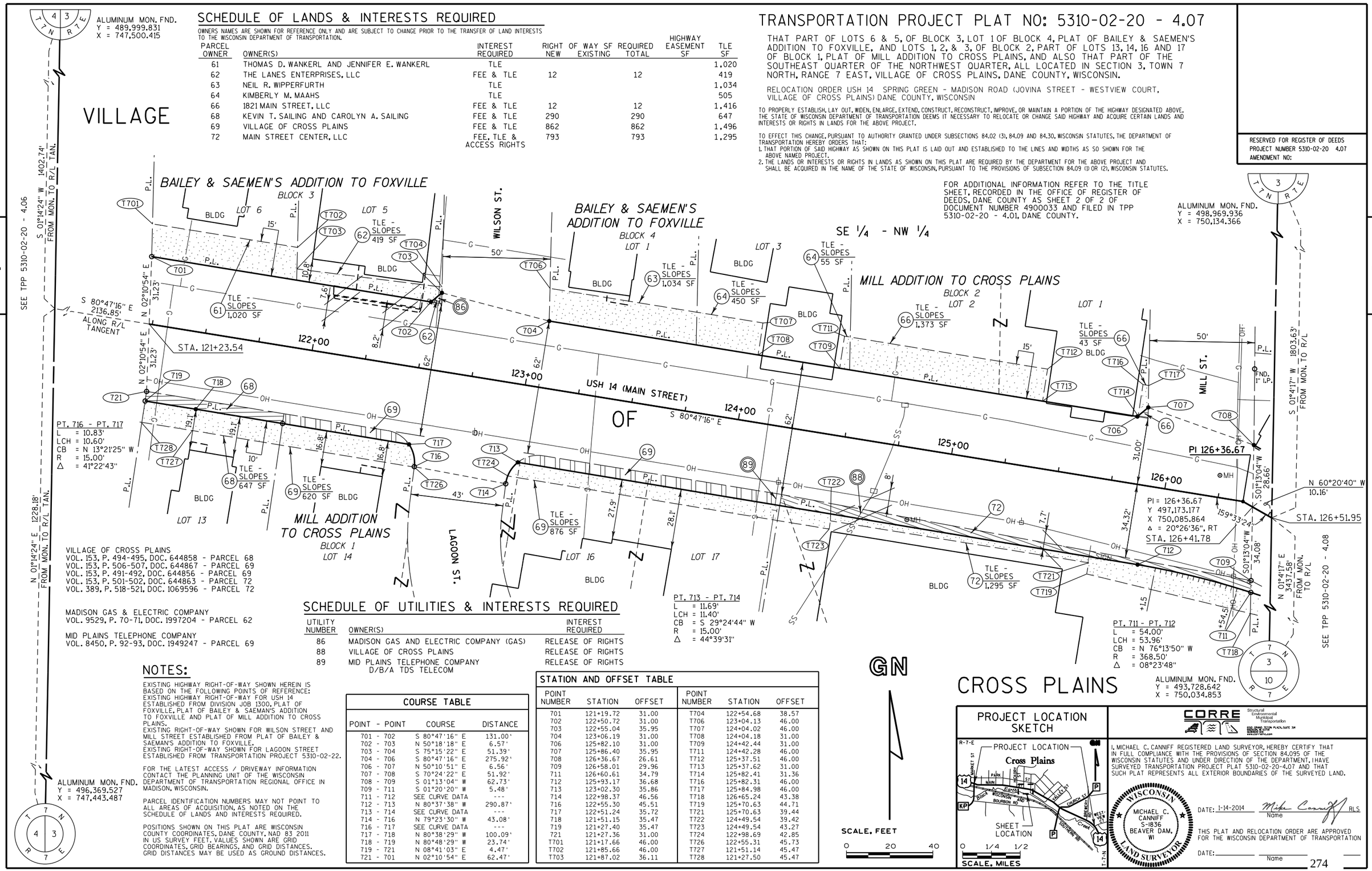
FOR ADDITIONAR INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.07
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	RIGHT OF WAY SF REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
61	THOMAS D. WANKERL AND JENNIFER E. WANKERL	TLE					1,020
62	THE LANES ENTERPRISES, LLC	FEE & TLE	12		12		419
63	NEIL R. WIPPERFURTH	TLE					1,034
64	KIMBERLY M. MAAHS	TLE					505
66	1821 MAIN STREET, LLC	FEE & TLE	12		12		1,416
68	KEVIN T. SAILING AND CAROLYN A. SAILING	FEE & TLE	290		290		647
69	VILLAGE OF CROSS PLAINS	FEE & TLE	862		862		1,496
72	MAIN STREET CENTER, LLC	FEE, TLE & ACCESS RIGHTS	793		793		1,295



VILLAGE OF CROSS PLAINS
VOL. 153, P. 494-495, DOC. 644858 - PARCEL 68
VOL. 153, P. 506-507, DOC. 644867 - PARCEL 69
VOL. 153, P. 491-492, DOC. 644856 - PARCEL 69
VOL. 153, P. 501-502, DOC. 644863 - PARCEL 72
VOL. 389, P. 518-521, DOC. 1069596 - PARCEL 72

MADISON GAS & ELECTRIC COMPANY
VOL. 9529, P. 70-71, DOC. 1997204 - PARCEL 62

MID PLAINS TELEPHONE COMPANY
VOL. 8450, P. 92-93, DOC. 1949247 - PARCEL 69

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
86	MADISON GAS AND ELECTRIC COMPANY (GAS)	RELEASE OF RIGHTS
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS
89	MID PLAINS TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, PLAT OF FOXVILLE, PLAT OF BAILEY & SAEMAN'S ADDITION TO FOXVILLE AND PLAT OF MILL ADDITION TO CROSS PLAINS.
EXISTING RIGHT-OF-WAY SHOWN FOR WILSON STREET AND MILL STREET ESTABLISHED FROM PLAT OF BAILEY & SAEMAN'S ADDITION TO FOXVILLE.
EXISTING RIGHT-OF-WAY SHOWN FOR LAGOON STREET ESTABLISHED FROM TRANSPORTATION PROJECT 5310-02-22.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
701 - 702	S 80°47'16" E	131.00'
702 - 703	N 50°18'18" E	6.57'
703 - 704	S 75°15'22" E	51.39'
704 - 706	S 80°47'16" E	275.92'
706 - 707	N 50°10'51" E	6.56'
707 - 708	S 70°24'22" E	51.92'
708 - 709	S 01°13'04" W	62.73'
709 - 711	S 01°20'20" W	5.48'
711 - 712	SEE CURVE DATA	---
712 - 713	N 80°37'38" W	290.87'
713 - 714	SEE CURVE DATA	---
714 - 716	N 79°23'30" W	43.08'
716 - 717	SEE CURVE DATA	---
717 - 718	N 80°38'29" W	100.09'
718 - 719	N 80°48'29" W	23.74'
719 - 721	N 08°41'03" E	4.47'
721 - 701	N 02°10'54" E	62.47'

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET	POINT NUMBER	STATION	OFFSET
701	121+19.72	31.00	T704	122+54.68	38.57
702	122+50.72	31.00	T706	123+04.13	46.00
703	122+55.04	35.95	T707	124+04.02	46.00
704	123+06.19	31.00	T708	124+04.18	31.00
706	125+82.10	31.00	T709	124+42.44	31.00
707	125+86.40	35.95	T711	124+42.28	46.00
708	126+36.67	26.61	T712	125+37.51	46.00
709	126+58.01	29.96	T713	125+37.62	31.00
711	126+60.61	34.79	T714	125+82.41	31.36
712	125+93.17	36.68	T716	125+82.31	46.00
713	123+02.30	35.86	T717	125+84.98	46.00
714	122+98.37	46.56	T718	126+65.24	43.38
716	122+55.30	45.51	T719	125+70.63	44.71
717	122+51.24	35.72	T721	125+70.63	39.44
718	121+51.15	35.47	T722	124+49.54	39.42
719	121+27.40	35.47	T723	124+49.54	43.27
721	121+27.36	31.00	T724	122+98.69	42.85
T701	121+17.66	46.00	T726	122+55.31	45.73
T702	121+85.66	46.00	T727	121+51.14	45.47
T703	121+87.02	36.11	T728	121+27.50	45.47

PROJECT LOCATION SKETCH

CORRE
Structural Environmental Municipal Transportation
8505 GROVE TRAIL PLAZA, SUITE 314 MADISON, WI
www.CORRE.com

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.07 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
MICHAEL C. CANNIFF
S-1836
BEAVER DAM, WI
LAND SURVEYOR

DATE: 1-14-2014 Name RLS

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: Name

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040107_tpp.dgn
PLOT DATE : 9/22/2014
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
APPRAISAL PLAT DATE : 1-13-2014

4.07

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.08

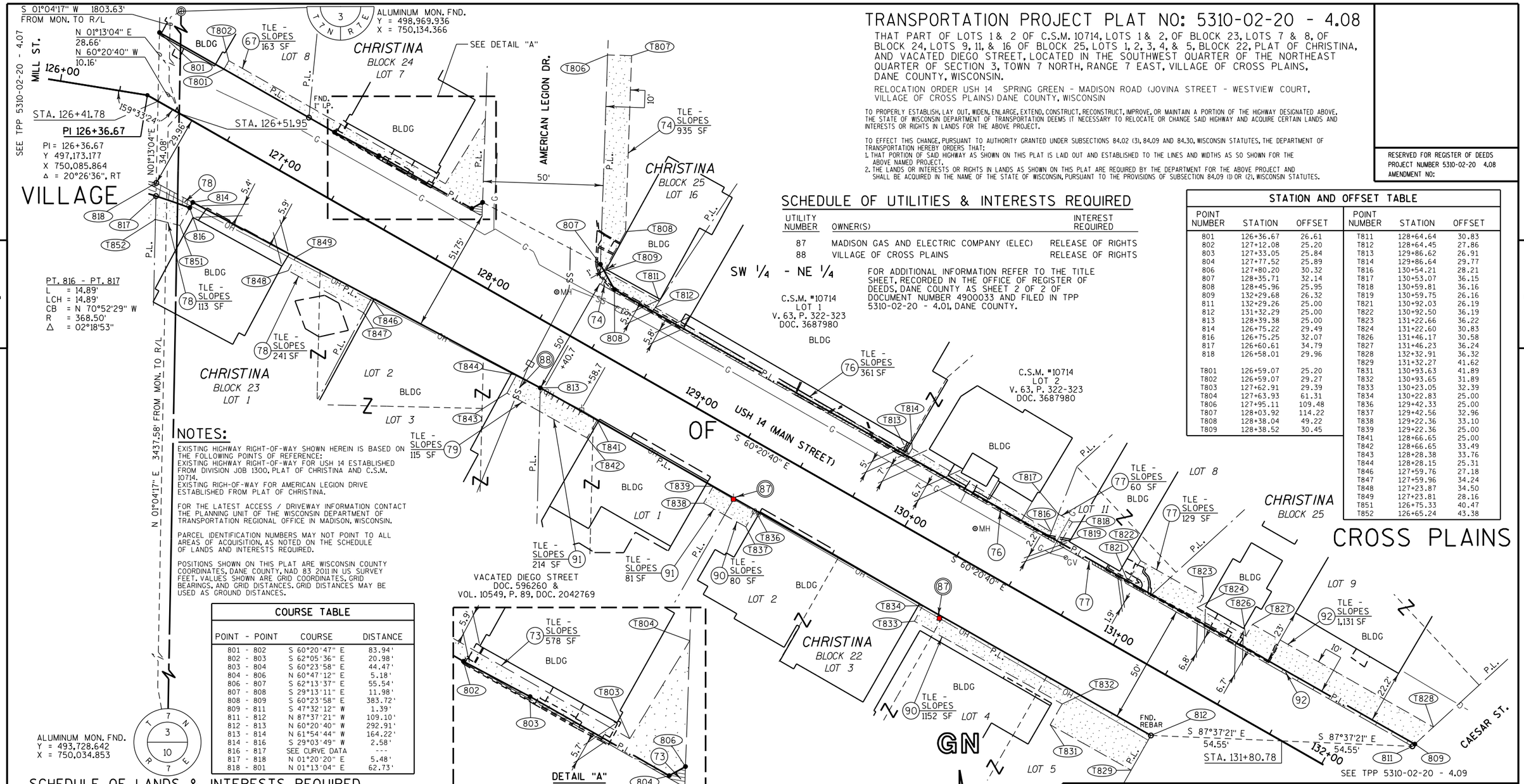
THAT PART OF LOTS 1 & 2 OF C.S.M. 10714, LOTS 1 & 2, OF BLOCK 23, LOTS 7 & 8, OF BLOCK 24, LOTS 9, 11, & 16 OF BLOCK 25, LOTS 1, 2, 3, 4, & 5, BLOCK 22, PLAT OF CHRISTINA, AND VACATED DIEGO STREET, LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.08
AMENDMENT NO:



NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, PLAT OF CHRISTINA AND C.S.M. 10714.
EXISTING RIGH-OF-WAY FOR AMERICAN LEGION DRIVE ESTABLISHED FROM PLAT OF CHRISTINA.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET	POINT NUMBER	STATION	OFFSET
801	126+36.67	26.61	T811	128+64.64	30.83
802	127+12.08	25.20	T812	128+64.45	27.86
803	127+33.05	25.84	T813	129+86.62	26.91
804	127+77.52	25.89	T814	129+86.64	29.77
806	127+80.20	30.32	T816	130+54.21	28.21
807	128+35.71	32.14	T817	130+53.07	36.15
808	128+45.96	25.95	T818	130+59.81	36.16
809	132+29.68	26.32	T819	130+59.75	26.16
811	132+29.26	25.00	T821	130+92.03	26.19
812	131+32.29	25.00	T822	130+92.50	36.19
813	128+39.38	25.00	T823	131+22.66	36.22
814	126+75.22	29.49	T824	131+22.60	30.83
816	126+75.25	32.07	T826	131+46.17	30.58
817	126+60.61	34.79	T827	131+46.23	36.24
818	126+58.01	29.96	T828	132+32.91	36.32
			T829	131+32.27	41.62
T801	126+59.07	25.20	T831	130+93.63	41.89
T802	126+59.07	29.27	T832	130+93.65	31.89
T803	127+62.91	29.39	T833	130+23.05	32.39
T804	127+63.93	61.31	T834	130+22.83	25.00
T806	127+95.11	109.48	T836	129+42.33	25.00
T807	128+03.92	114.22	T837	129+42.56	32.96
T808	128+38.04	49.22	T838	129+22.36	33.10
T809	128+38.52	30.45	T839	129+22.36	25.00
			T841	128+66.65	25.00
			T842	128+66.65	33.49
			T843	128+28.38	33.76
			T844	128+28.15	25.31
			T846	127+59.76	27.18
			T847	127+59.96	34.24
			T848	127+23.87	34.50
			T849	127+23.81	28.16
			T851	126+75.33	40.47
			T852	126+65.24	43.38

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
801 - 802	S 60°20'47" E	83.94'
802 - 803	S 62°05'36" E	20.98'
803 - 804	S 60°23'58" E	44.47'
804 - 806	N 60°47'12" E	5.18'
806 - 807	S 62°13'37" E	55.54'
807 - 808	S 29°13'11" E	11.98'
808 - 809	S 60°23'58" E	383.72'
809 - 811	S 47°32'12" W	1.39'
811 - 812	N 87°37'21" W	109.10'
812 - 813	N 60°20'40" W	292.91'
813 - 814	N 61°54'44" W	164.22'
814 - 816	S 29°03'49" W	2.58'
816 - 817	SEE CURVE DATA	---
817 - 818	N 01°20'20" E	5.48'
818 - 801	N 01°13'04" E	62.73'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	RIGHT OF WAY SF REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
67	JOYCE BLAIR	TLE					163
73	CATHERINE R. BOLDEN AND ERIC A. BOLDEN	FEE & TLE	51		51		578
74	JAMES H. FEELY AND JUNE K. FEELY	FEE & TLE	46		46		935
76	MSRB, LLC	FEE & TLE	202		202		361
77	BLACK CREEK PROPERTIES, LLC - 2023 MAIN ST.	FEE & TLE	57		57		189
78	KEMK, LLC	FEE & TLE	60		60		354
79	JAMES & JUDITH NONN TRUST	TLE					115
90	MAIN STREET CENTER, LLC	TLE					1,232
91	BRAD HOLDINGS, LLC	TLE & ACCESS RIGHTS					295
92	LARRY G. STATZ AND TIMOTHY A. MILLER	FEE & TLE	159		159		1,131

MADISON GAS & ELECTRIC COMPANY
VOL. 8123, P. 55, DOC. 1935120 - PARCEL 90

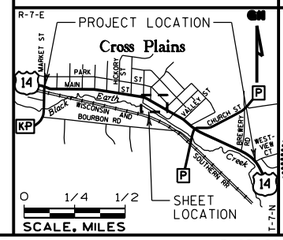
PRIVATE PARTY EASEMENT AGREEMENT
FOR INGRESS/EGRESS, UTILITIES AND PARKING
DOC. 4754799 & 4754800 - PARCELS 78 & 79

DRIVEWAY EASEMENT
VOL. 773, P. 545-546, DOC. 1096062 - PARCELS 74 & 76

REVOCABLE OCCUPANCY PERMIT
VOL. 7811, P. 36-38, DOC. 1922406 - PARCEL 90
VOL. 7811, P. 60-62, DOC. 1922414 - PARCEL 91

SCALE, FEET
0 20 40

PROJECT LOCATION SKETCH



CORRE
Structural Environmental Municipal Transportation
8505 GROOM TOWN PLAZA, SUITE 204 MIDDLETON, WI 53562 WWW.CORRE.COM

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.08 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL C. CANNIFF S-1836 BEAVER DAM, WI LAND SURVEYOR

DATE: 1-14-2014 Michael C. Cannif RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040108_tpp.dgn
APPRAISAL PLAT DATE : 12-19-2013
PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

4.08

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.09

THAT PART OF LOT 1 OF BLOCK 10, LOTS 1 & 2 OF BLOCK 20, LOTS 6 & 7 OF BLOCK 22, LOTS 1, 2, 3, & 4, OF BLOCK 21, PLAT OF CHRISTINA, AND VACATED CAESAR STREET, LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.09
AMENDMENT NO:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, PLAT OF CHRISTINA, AND TPP 5310-02-20 - 4.01. EXISTING RIGHT-OF-WAY FOR CAESAR STREET AND JOVINA STREET ESTABLISHEED FROM PLAT OF CHRISTINA.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALUMINUM MON. FND.
Y = 498,969.936
X = 750,134.366

S 01°04'17" W 1832.10'
FROM MON. TO TANGENT
BETWEEN PTS. 931 & 929

VILLAGE

SEE TPP 5310-02-20 - 4.08

S 60°20'40" E
466.73'
ALONG TAN.
BETWEEN
PTS. 931 & 929

N 01°04'17" E 3409.11'
FROM MON. TO TANGENT BETWEEN PTS. 931 & 929

ALUMINUM MON. FND.
Y = 493,728.642
X = 750,034.853

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
86	MADISON GAS AND ELECTRIC COMPANY (GAS)	RELEASE OF RIGHTS
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
93	SCHLUETER PROPERTIES, LLC	FEE & TLE	933		933		2,083
94	RUSSELL A. DOMMERSHAUSEN	FEE & TLE	931		931		1,470
96	2034 MAIN, LLC	TLE					773
97	KENNETH H. RANSOM	TLE					316
98	ICE AGE TRAIL ALLIANCE, INC	FEE & TLE	530		530		2,243

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET	POINT NUMBER	STATION	OFFSET
901	132+29.26	25.00	T901	133+08.54	91.61
902	132+29.68	26.32	T902	133+08.66	75.70
903	133+04.86	96.51	T903	132+98.06	42.85
904	133+09.62	94.97	T904	133+02.18	36.50
906	132+94.55	48.26	T906	139+31.56	44.20
907	133+08.67	26.51	T907	140+07.54	72.97
908	139+26.70	33.46	T908	140+05.46	59.51
909	139+30.21	36.81	T909	141+10.67	69.49
911	139+88.19	76.00	T911	139+32.05	52.40
912	139+93.71	75.13	T912	134+12.43	45.24
913	139+91.90	63.40	T913	134+12.44	31.48
914	140+00.70	47.89	T914	133+35.31	31.42
916	140+65.94	54.17	T916	133+35.31	28.97
917	141+08.02	56.37	T917	132+57.42	29.15
918	141+07.47	53.65	T918	132+57.42	30.73
919	139+94.41	29.82	T919	131+32.29	31.62
921	139+77.77	54.88			
922	139+41.97	51.13			
923	139+39.14	51.50			
924	139+37.34	39.04			
926	139+22.02	25.56			
927	139+20.27	25.56			
928	134+23.28	26.73			
929	133+61.08	25.00			
931	131+32.29	25.00			

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
901 - 902	N 47°32'12" E	1.39'
902 - 903	N 76°37'25" E	102.85'
903 - 904	S 42°27'47" E	5.00'
904 - 906	S 47°32'12" W	49.09'
906 - 907	S 03°19'58" E	25.93'
907 - 908	S 60°24'27" E	180.83'
908 - 909	N 83°33'52" E	4.85'
909 - 911	S 86°51'43" E	69.98'
911 - 912	S 43°55'06" E	5.59'
912 - 913	S 46°00'01" W	11.87'
913 - 914	S 07°37'49" W	17.84'
914 - 916	S 59°20'54" E	64.59'
916 - 917	S 56°54'14" E	42.17'
917 - 918	S 47°32'12" W	2.78'
918 - 919	S 89°53'39" W	140.83'
919 - 921	S 70°45'49" W	30.08'
	(S 70°45'49" W)	(30.08')
921 - 922	N 46°49'17" W	35.99'
922 - 923	N 60°18'49" W	2.86'
923 - 924	N 28°59'35" E	12.59'
924 - 926	N 11°28'22" W	20.41'
926 - 927	N 52°38'42" W	1.74'
927 - 928	SEE CURVE DATA	---
928 - 929	N 58°45'18" W	62.22'
929 - 931	N 60°20'40" W	228.79'
931 - 901	S 87°37'21" E	109.10'

STA. 131+80.78
S 87°37'21" E
54.55'
132+00
133+00
134+00
EQUATION
STA 134+36.24 BK =
STA 138+77.40 AH
139+00
140+00
STA. 140+34.16

CAESAR ST.
USH 14 (MAIN STREET)
JOVINA ST.
LAGOON STREET

CHRISTINA
BLOCK 20
LOT 1
LOT 2
CANOPY

CHRISTINA
BLOCK 22
LOT 6
LOT 7
BLDG

CHRISTINA
BLOCK 21
LOT 1
LOT 2
LOT 3
LOT 4

CHRISTINA
BLOCK 10
LOT 1
LOT 2

GN CHRISTINA
BLOCK 36
LOT 1

VACATED CAMILLA STREET
VOL. 2173, P. 2,
DOC. 1677420

VACATED CAESAR STREET
VOL. 20350, P. 72,
DOC. 2397784

VACATED PART OF
JOVINA STREET
VOL. 276, P. 166-168,
DOC. 887925

SW 1/4 - NE 1/4

PI = 134+36.24
Y 496,777.565
X 750,780.699
Δ = 07°32'14", RT

PI = 140+10.59
Y 496,697.051
X 750,886.800
Δ = 01°07'16", LT

PI STA 140+10.59

PT. 927 - PT. 928
L = 52.31'
LCH = 52.28'
CB = N 55°42'00" W
R = 490.50'
Δ = 06°06'37"

S 60°20'40" E
S 52°48'26" E
S 89°53'39" W
49.96'
S 89°53'39" W
90.86'
S 53°55'42" E

TLE - SLOPES 200 SF
TLE - SLOPES 1,883 SF
TLE - SLOPES 773 SF
TLE - SLOPES 316 SF
TLE - SLOPES 2,243 SF
TLE - SLOPES 1,470 SF

MADISON GAS & ELECTRIC COMPANY
VOL. 11763, P. 48, DOC. 2096059 - PARCEL 93
VOL. 9264, P. 44, DOC. 1985571 - PARCEL 96
DOC. 4502344 - PARCEL 98

VILLAGE OF CROSS PLAINS
VOL. 7628, P. 74-75, DOC. 1914982 - PARCEL 94
VOL. 7628, P. 76-77, DOC. 1914983 - PARCEL 94
VOL. 20701, P. 29-31, DOC. 2407678 - PARCELS 96 & 97

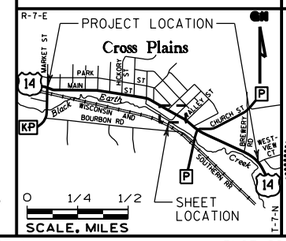
REVOCABLE OCCUPANCY PERMIT
VOL. 7811, P. 36-38, DOC. 1922406 - PARCEL 96

SCALE, FEET
0 20 40

CROSS PLAINS

SEE TPP 5310-02-20 - 4.10

PROJECT LOCATION SKETCH



CORRE
Structural
Environmental
Municipal
Transportation
8301 GREENWAY BLVD, SUITE 304
MIDDLETON, WI 53562
WWW.CORRE.COM

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.09 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
MICHAEL C. CANNIFF
S-1836
BEAVER DAM, WI
LAND SURVEYOR

DATE: 1-14-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040109_tpp.dgn
APPRAISAL PLAT DATE : 12-19-2013
PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.10
AMENDMENT NO: 1

AMENDS PARCEL 103 OF TPP 5310-02-20-4.10, RECORDED AS DOCUMENT 5051917

THAT PART OF LOT 6, PLAT OF VIRNIG ADDITION, LOT 9, OF BLOCK 10, LOTS 1 & 2 OF BLOCK 9, PLAT OF CHRISTINA, AND ALSO THAT PART OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, ALL LOCATED IN SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.10
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF REQUIRED NEW	EXISTING	TOTAL	HIGHWAY EASEMENT SF	TLE SF
101	MATHEW J. BROSAMLE AND JULIE A. BROSAMLE	FEE & TLE	59		59		1,001
102	MARK T. ACKER	FEE	184				
103	PAUL L. KALSCHEUR AND PATRICIA C. KALSCHEUR TRUSTEES OF THE PAUL AND PATRICIA KALSCHEUR TRUST	HE				201	
104	GREG R. WAGNER AND ANN E. WAGNER	FEE & TLE	1,090		1,090		215
105	WEAVER-GRUBER PARTNERSHIP	TLE					947
114	JAY D. MORETTI	FEE & TLE	1,333		1,333		508

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
86	MADISON GAS AND ELECTRIC COMPANY (GAS)	RELEASE OF RIGHTS
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS
89	MID PLAINS TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, PLAT OF CHRISTINA, AND TPP 5310-02-20 - 4.01.
EXISTING RIGHT-OF-WAY FOR VALLEY STREET AND EULALIA STREET ESTABLISHED FROM PLAT OF CHRISTINA.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

VILLAGE OF CROSS PLAINS
VOL. 7628, P. 72-73, DOC. 1914981 - PARCEL 101
VOL. 7806, P. 82-83, DOC. 1922215 - PARCEL 101

(87) MADISON GAS AND ELECTRIC COMPANY
10' WIDE OVERHEAD ELECTRIC EASEMENT
VOL. 26644, P. 31-32, DOC. 2577581 - PARCEL 103

PARKING EASEMENT
P. 260-261, DOC. 4291447 - PARCEL 101

VACATED VALLEY STREET
VOL. 418, P. 543-547,
DOC. 1356544

COURSE TABLE		
POINT - POINT	COURSE	DISTANCE
1001 - 1002	N 47°32'12" E	2.78'
1002 - 1003	S 56°54'14" E	44.11'
1003 - 1004	S 60°20'40" E	81.20'
1004 - 1006	S 70°58'53" E	56.90'
1006 - 1007	S 11°39'08" W	14.42'
1007 - 1008	S 38°52'18" E	31.45'
1008 - 1009	S 63°25'33" E	76.24'
1009 - 1011	S 55°42'48" E	52.09'
1011 - 1012	S 37°31'49" E	31.86'
1012 - 1013	S 28°53'37" W	106.04'
1013 - 1014	N 51°33'30" W	46.99'
1014 - 1016	S 38°26'30" W	7.00'
1016 - 1017	N 51°33'30" W	55.00'
1017 - 1018	N 38°26'30" E	7.00'
1018 - 1019	N 51°33'30" W	73.75'
1019 - 1021	N 53°54'24" W	325.20'
1021 - 1001	N 89°53'39" E	140.82'

STATION AND OFFSET TABLE					
POINT NUMBER	STATION	OFFSET	POINT NUMBER	STATION	OFFSET
1001	141+07.47	53.65	T1001	141+10.67	69.49
1002	141+08.02	56.37	T1002	142+39.01	80.79
1003	141+52.07	58.69	T1003	142+45.93	103.04
1004	142+39.58	65.79	T1004	142+50.70	101.56
1006	142+95.39	76.89	T1006	143+19.83	55.67
1007	142+99.99	63.23	T1007	144+00.00	73.19
1008	143+23.48	52.36	T1008	144+10.00	78.95
1009	143+96.53	68.02	T1009	144+30.00	80.44
1011	144+48.49	71.79	T1011	144+46.67	71.66
1012	144+79.40	64.07			
1013	144+96.99	40.50			
1014	144+50.00	40.50			
1016	144+50.00	47.50			
1017	143+95.00	47.50			
1018	143+95.00	40.50			
1019	143+15.51	39.78			
1021	139+94.41	29.82			

GN

SCALE. FEET
0 20 40

ALUMINUM MON. FD.
Y = 496,369.527
X = 747,443.487

N 89°48'32" E 3812.84'
FROM MON. TO EXIST. HIGHWAY EASEMENT

S 89°48'32" W 1452.76'
FROM MON. TO EXIST. R/W

RAILROAD SPIKE FD.
Y = 496,387.093
X = 752,709.065

PT. 1013 - PT. 1014
L = 23.40'
LCH = 23.40'
CB = N 49°37'46" W
R = 1662.10'
Δ = 00°48'24"

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

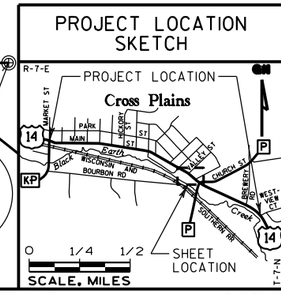
NW 1/4 - SE 1/4

SEE TPP 5310-02-20 - 4.09

SEE TPP 5310-02-20 - 4.01

SEE TPP 5310-02-20 - 4.11

PROJECT LOCATION SKETCH



CORRE
Structural
Environmental
Municipal
Transportation
8401 GREENWAY BLVD, SUITE 104
MIDDLETON, WI 53562
WWW.CORRE.COM

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.10 AMENDMENT NO. 1 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
MICHAEL C. CANNIFF
S-1836
BEAVER DAM, WI
LAND SURVEYOR

DATE: 8-7-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

277

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\Final Submittal\Amendment #1\040110_tpp_A#1.dgn PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.
APPRAISAL PLAT DATE : 8-7-2014

4.10 AMENDMENT NO. 1

GN

VILLAGE OF CROSS PLAINS

SW ¼ - NE ¼

SEE TPP 5310-02-20 - 4.10

SCALE, FEET
0 20 40

ALUMINUM MON. FD.
Y = 496,369.527
X = 747,443.487

N 89°48'32" E
3812.84'
FROM MON. TO TAN. BETWEEN PTS. 1123 & 1101

EULALIA ST.

50'

N 28°53'37" E
64.97'

STA. 144+90.18

145+00

S 51°33'26" E

51.44'

N 28°53'37" E
41.07'

N 89°48'32" E
64.87'

S 89°48'32" W
75.56'

52.32'

146+00

S 51°33'26" E

PC STA 146+86.15

PI = 147+14.98
Y 496,278.435
X 751,452.232
Δ = 06°28'23", RT
D = 11°14'04"
T = 28.84'
L = 57.62'
R = 510.00'
PC = 146+86.15
PT = 147+43.76

146+43.12

N 52°41'30" W
145.26'

147+00

PT STA 147+43.76

PI STA 147+14.98

S 58°01'49" E

N 54°07'21" W 203.16'

SEE TPP 5310-02-20 - 4.02 A3

1/16 LINE

PI = 148+58.81
Y 496,202.251
X 751,572.295
Δ = 02°00'03", RT
D = 05°53'19"
T = 16.99'
L = 33.98'
R = 973.00'
PC = 148+41.82
PCC = 148+75.80
BK = S 58°01'49" E
AH = S 60°01'52" E

LOT 1
CHRISTINA
BLOCK 1
LOT 3
BLDG
15'

TLE - SLOPES
530 SF

S 89°48'32" W 276.03'

PI = 149+04.23
Y 496,179.562
X 751,613.642
Δ = 06°52'45", LT
D = 12°06'48"
T = 28.43'
L = 56.79'
R = 473.00'
PCC = 148+75.80
PT = 149+32.59
BK = S 60°01'52" E
AH = S 66°54'37" E

C.S.M. #03196
LOT 3
V. 12, P. 266, DOC. 1625248

TLE - SLOPES
1,254 SF

BLDG

12.7'
12.1'
16.4'

MADISON GAS AND ELECTRIC COMPANY
VOL. 20080, P. 6, DOC. 2390186 - PARCEL 121
VOL. 23482, P. 47-78, DOC. 2487845 - PARCEL 121

VILLAGE OF CROSS PLAINS
VOL. 14562, P. 25-27, DOC. 2215975 - PARCEL 107
VOL. 14562, P. 28, DOC. 2215976 - PARCEL 107
VOL. 15032, P. 1-2, DOC. 2233363 - PARCELS 107 & 110

PERPETUAL EASEMENT AGREEMENT
FOR WATER LATERAL MAINTENANCE
DOC. 4753654 - PARCEL 121

SE ¼ - NE ¼

C.S.M. #03196
LOT 2
V. 12, P. 266
DOC. 1625248

RAILROAD SPIKE FD.
Y = 496,387.093
X = 752,709.065

TLE - SLOPES
1,817 SF

FND. 1.5" I.P.

S 52°14'15" W
21.21'

S 89°48'32" W
1036.30'
FROM MON. TO TANGENT BETWEEN PTS. 1109 & 1111

60.22'

S 52°14'15" W
77.67'

64.02'

CTH P (CHURCH ST.)

PT. 1107 - PT. 1108
L = 36.07'
LCH = 35.96'
CB = N 82°34'20" E
R = 133.50'
Δ = 15°28'56"

NE ¼ - SE ¼

C.S.M. #04771
LOT 1
V. 21, P. 105-106
DOC. 1901732

FND. 1" I.P.

TLE - SLOPES
2,617 SF

USH 14 (MAIN STREET)

PC STA 148+41.82

66.00'

PT STA 148+32.59

PCC STA 148+75.80

PT. 1114 - PT. 1116
L = 91.30'
LCH = 91.29'
CB = S 64°01'41" E
R = 1604.10'
Δ = 03°15'40"

PI STA 148+58.81

148+00

PI STA 149+04.23

149+00

33.00'

41.91'

43.42'

S 66°54'37" E

150+00

78.00'

STA. 150+27.81

S 55°36'39" W
77.97'

S 55°36'39" W
51.73'

SEE TPP 5310-02-20 - 4.12

C.S.M. #13636
LOT 1
V. 89, P. 220
DOC. 5044469

BLDG

FND. 1" I.P.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.11
AMENDMENT NO:

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET
1101	144+79.40	64.07
1102	145+41.51	80.51
1103	145+45.65	78.67
1104	145+56.15	62.50
1106	145+99.14	62.50
1107	147+22.90	145.87
1108	147+56.66	169.00
1109	148+59.12	229.54
1111	148+19.40	133.15
1112	148+12.48	111.59
1113	148+28.30	74.60
1114	148+42.24	66.13
1116	149+44.04	68.75
1117	150+69.73	65.74
1118	150+00.00	43.62
1119	148+84.50	43.42
1121	148+05.72	41.91
1122	146+06.97	40.50
1123	144+96.99	40.50

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET
T1101	145+49.66	72.50
T1102	146+12.57	72.50
T1103	146+82.02	124.22
T1104	146+69.55	129.61
T1106	147+15.16	155.02
T1107	147+07.19	163.65
T1108	148+53.86	245.80
T1109	148+74.01	236.62
T1111	148+17.08	125.92
T1112	148+39.16	73.39
T1113	150+70.32	75.73

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
1101 - 1102	S 66°23'08" E	64.26'
1102 - 1103	S 27°34'21" E	4.53'
1103 - 1104	S 05°26'06" W	19.29'
1104 - 1106	S 51°33'26" E	42.99'
1106 - 1107	S 88°13'57" E	141.17'
1107 - 1108	SEE CURVE DATA	---
1108 - 1109	S 89°41'12" E	115.57'
1109 - 1111	S 52°14'15" W	102.88'
1111 - 1112	S 49°46'54" W	22.65'
1112 - 1113	S 08°48'25" W	40.24'
1113 - 1114	S 26°42'21" E	16.28'
1114 - 1116	SEE CURVE DATA	---
1116 - 1117	S 65°32'19" E	125.72'
1117 - 1118	S 55°36'39" W	129.70'
1118 - 1119	N 65°32'19" W	119.86'
1119 - 1121	N 57°42'00" W	81.08'
1121 - 1122	N 54°07'21" W	203.16'
1122 - 1123	N 51°33'30" W	109.98'
1123 - 1101	N 28°53'37" E	106.04'

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, PLAT OF CHRISTINA, AND TPP 5310-02-20 - 4.01 & 4.02 A3.
EXISTING RIGHT-OF-WAY FOR CHURCH STREET ESTABLISHED FROM PLAT OF CHRISTINA, C.S.M. 03196 AND C.S.M. 04771.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
86	MADISON GAS AND ELECTRIC COMPANY (GAS)	RELEASE OF RIGHTS
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
89	MID PLAINS TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	RIGHT OF WAY SF REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
107	CAROL A. SCHULENBURG LE, CYNTHIA A. STATZ IRREVOCABLE TRUST, CONNIE L. WARD AND KATHERINE A. RICHARDS	FEE & TLE	152		152		1,254
108	VILLAGE OF CROSS PLAINS	FEE & TLE	885		885		530
121	JAMES AND JUDITH NONN TRUST	FEE & TLE	158		158		2,617
110	GERALD T. BOEHNEN AND DORIS J. BOEHNEN	FEE & TLE	158		158		1,817

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.11

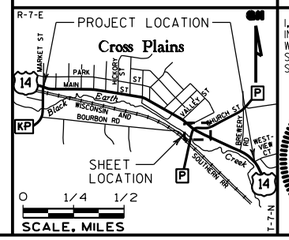
THAT PART OF LOT 1, OF C.S.M. 04771, LOT 1, OF BLOCK 1, PLAT OF CHRISTINA AND LOTS 2 & 3, OF C.S.M. 03196, LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER, AND THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

PROJECT LOCATION SKETCH



CORRE Structural Environmental Municipal Transportation
6801 GROVE VISTA PLAZA, SUITE 301
MADISON, WI 53719
WWW.CORRE.COM

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.11 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
MICHAEL C. CANNIFF
S-1836
BEAVER DAM, WI
LAND SURVEYOR

DATE: 1-14-2014 Michael Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

CROSS PLAINS

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040111_tpp.dgn
PLOT DATE : 9/22/2014
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : 40.0000 sf / in.
APPRAISAL PLAT DATE : 1-16-2014

4.11

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.12

THAT PART OF LOT 2, OF C.S.M. 5890, LOT 1, OF C.S.M. 13636 AND ALSO THAT PART OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER, ALL LOCATED IN SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.12
AMENDMENT NO:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

NOTES:

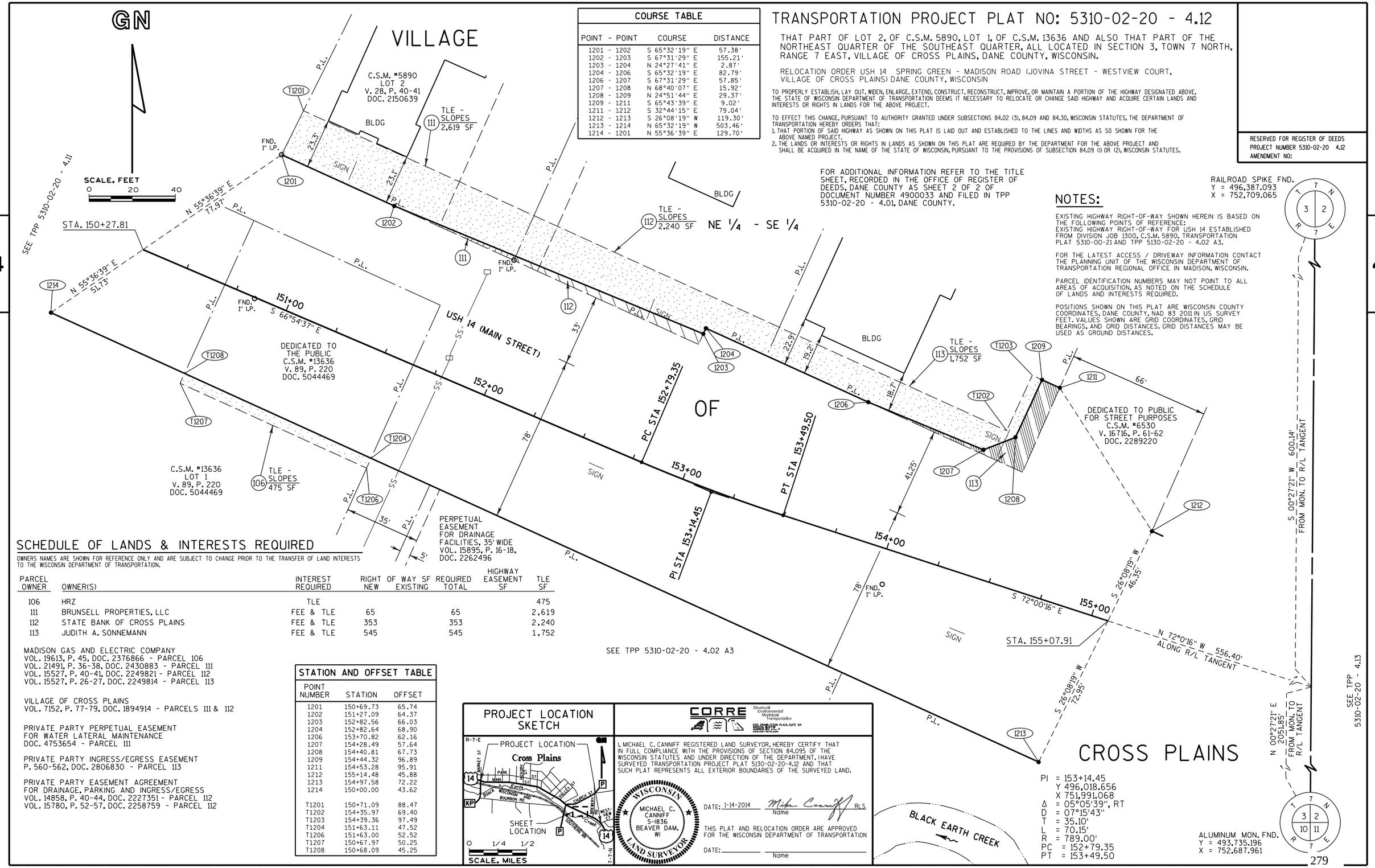
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, C.S.M. 5890, TRANSPORTATION PLAT 5310-00-21 AND TPP 5130-02-20 - 4.02 A3.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

COURSE TABLE		
POINT - POINT	COURSE	DISTANCE
1201 - 1202	S 65°32'19" E	57.38'
1202 - 1203	S 67°31'29" E	155.21'
1203 - 1204	N 24°27'41" E	2.87'
1204 - 1206	S 65°32'19" E	82.79'
1206 - 1207	S 67°31'29" E	57.85'
1207 - 1208	N 68°40'07" E	15.92'
1208 - 1209	N 24°51'44" E	29.37'
1209 - 1211	S 65°43'39" E	9.02'
1211 - 1212	S 32°44'15" E	79.04'
1212 - 1213	S 26°08'19" W	119.30'
1213 - 1214	N 65°32'19" W	503.46'
1214 - 1201	N 55°36'39" E	129.70'



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	RIGHT OF WAY SF REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
106	HRZ	TLE					475
111	BRUNSELL PROPERTIES, LLC	FEE & TLE	65		65		2,619
112	STATE BANK OF CROSS PLAINS	FEE & TLE	353		353		2,240
113	JUDITH A. SONNEMANN	FEE & TLE	545		545		1,752

MADISON GAS AND ELECTRIC COMPANY
VOL. 19613, P. 45, DOC. 2376866 - PARCEL 106
VOL. 21491, P. 36-38, DOC. 2430883 - PARCEL 111
VOL. 15527, P. 40-41, DOC. 2249821 - PARCEL 112
VOL. 15527, P. 26-27, DOC. 2249814 - PARCEL 113

VILLAGE OF CROSS PLAINS
VOL. 7152, P. 77-79, DOC. 1894914 - PARCELS 111 & 112

PRIVATE PARTY PERPETUAL EASEMENT
FOR WATER LATERAL MAINTENANCE
DOC. 4753654 - PARCEL 111

PRIVATE PARTY INGRESS/EGRESS EASEMENT
P. 560-562, DOC. 2806830 - PARCEL 113

PRIVATE PARTY EASEMENT AGREEMENT
FOR DRAINAGE, PARKING AND INGRESS/EGRESS
VOL. 14858, P. 40-44, DOC. 2227351 - PARCEL 112
VOL. 15780, P. 52-57, DOC. 2258759 - PARCEL 112

STATION AND OFFSET TABLE		
POINT NUMBER	STATION	OFFSET
1201	150+69.73	65.74
1202	151+27.09	64.37
1203	152+82.56	66.03
1204	152+82.64	68.90
1206	153+70.82	62.16
1207	154+28.49	57.64
1208	154+40.81	67.73
1209	154+44.32	96.89
1211	154+53.28	95.91
1212	155+14.48	45.88
1213	154+97.58	72.22
1214	150+00.00	43.62
T1201	150+71.09	88.47
T1202	154+35.97	69.40
T1203	154+39.36	97.49
T1204	151+63.11	47.52
T1206	151+63.00	52.52
T1207	150+67.97	50.25
T1208	150+68.09	45.25

PROJECT LOCATION SKETCH

CORRE
Structural Environmental Municipal Transportation
1250 GRAND TETON PLAZA, SUITE 314 MADISON, WI 53719 PHONE: 608.824.5180 WWW.CORRE.COM

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5130-02-20-4.12 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL C. CANNIFF S-1836 BEAVER DAM, WI LAND SURVEYOR

DATE: 1-14-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE:_____ _____
Name

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.13

THAT PART OF OUTLOTS 2 & 3, OF C.S.M. 6530, C.S.M. 2302 AND LOT 1 OF C.S.M. 12465, LOCATED IN THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 3, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.13
AMENDMENT NO:

RAILROAD SPIKE FND.
Y = 496,387.093
X = 752,709.065

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, C.S.M. 12645, C.S.M 6530, C.S.M. 2302, TRANSPORTATION PLAT 5310-00-21 AND TPP 5130-02-20 - 4.02 A3.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

VILLAGE OF CROSS PLAINS

OUTLOT 2 C.S.M. #6530 V. 32, P. 61-62 DOC. 2289220

OUTLOT 3 C.S.M. #6530 V. 32, P. 61-62 DOC. 2289220

C.S.M. #2302 V. 9, P. 143-144 DOC. 1507176

C.S.M. #12465 LOT 1 V. 78, P. 23-25 DOC. 4434705

BLDG

TLE - SLOPES 95 SF (116)

TLE - SLOPES 1,346 SF (117)

TLE - SLOPES 4,866 SF (119)

T1301, 1301, 1302, T1302, 1303, T1303, 1304, 1306, 1307, 1308

87, 88, 89

SEE TPP 5310-02-20 - 4.12

N 26°08'19" E 46.35'

155+00

EQUATION

STA 155+53.00 BK = STA 51+06.14 AH

S 72°00'16" E

STA. 155+07.91

N 26°08'19" E 72.95'

PI = 51+06.14
Y 495,944.944
X 752,217.988
Δ = 06°27'56", RT

41.25

33'

52+00

S 65°32'19" E

53+00

USH 14 (MAIN STREET)

54+00

55+00

56+00

15'

SIGN

MH

P.L.

OH

G

T

SEE TPP 5310-02-20 - 4.02 A3

NE 1/4 - SE 1/4

S 29°10'52" W 46.69'

S 29°10'52" W 33.11'

STA. 54+72.96

N 65°32'19" W 124.59'

STA 55+55.22 = STA 10+05.18"BR"

PC STA 55+97.55

N 65°32'19" W 42.30' ALONG TANGENT

STA. 56+40.38

12+00"BR"

11+00"BR"

BREWERY RD.

N 11°36'53" E

PI = 59+36.33
Y 495,599.802
X 752,973.026
Δ = 39°04'00", RT
D = 06°00'00"
T = 338.78'
L = 651.11'
R = 954.93'
PC = 55+97.55
PT = 62+48.66
BK = S 65°32'19" E
AH = S 26°26'49" E

S 00°27'21" W 663.17' FROM MON. TO TAN.

N 00°27'21" E 1988.82' FROM MON. TO TAN.

SEE TPP 5310-02-20 - 4.14

CROSS PLAINS

GN

SCALE, FEET
0 20 40

ALUMINUM MON. FND.
Y = 493,735.196
X = 75

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
88	VILLAGE OF CROSS PLAINS	RELEASE OF RIGHTS
89	MID PLAINS TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
116	GLACIERS EDGE, LLC	TLE					95
117	CARYL M. ZANDER	FEE & TLE	38		38		1,346
119	JAMES P. DOWD AND ANNETTE C. DOWD	FEE & TLE	3,563		3,563		4,866

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
1301 - 1302	S 65°32'19" E	42.55'
1302 - 1303	S 67°11'50" E	188.19'
1303 - 1304	S 65°29'19" E	183.44'
1304 - 1306	S 29°10'52" W	79.81'
1306 - 1307	N 65°32'19" W	265.40'
1307 - 1308	N 82°42'38" W	152.42'
1308 - 1301	N 26°08'19" E	119.30'

STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET
1301	155+14.48	45.88
1302	155+53.00	41.26
1303	52+93.36	46.70
1304	54+76.80	46.54
1306	54+70.24	33.00
1307	52+04.84	33.00
1308	154+97.58	72.22
T1301	155+15.97	60.34
T1302	52+93.15	61.70
T1303	54+80.87	61.53

VILLAGE OF CROSS PLAINS
VOL. 19566, P. 72, DOC. 2375452 - PARCEL 117

VILLAGE OF CROSS PLAINS - SIGN
VOL. 30544, P. 65-71, DOC. 2695969 - PARCEL 119

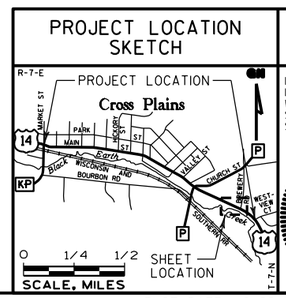
EASEMENT IN DEED
FOR WATER & SEWER MAINTENANCE
VOL. 912, P. 116, DOC. 1558664 - PARCEL 117

PRIVATE PARTY PERPETUAL EASEMENT
FOR INGRESS/EGRESS
VOL. 30889, P. 50-52, DOC. 2706067 - PARCEL 119

PRIVATE PARTY EASEMENT AGREEMENT
FOR DRAINAGE AND INGRESS/EGRESS
DOC. 4434390 & 4434391 - PARCEL 119

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

PROJECT LOCATION SKETCH



CORRE Structural Environmental Municipal Transportation

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.13 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL C. CANNIFF S-1836 BEAVER DAM, WI LAND SURVEYOR

DATE: 1-14-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

280

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040113_tpp.dgn
APPRAISAL PLAT DATE : 12-19-2013
PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

4.13

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.14
AMENDMENT NO: 1

ADDS UTILITY NUMBERS 87 & 125 TO TPP 5310-02-20-4.14, RECORDED AS DOCUMENT 5051921

THAT PART OF LOT 1, PLAT OF WESTVIEW ESTATES, LOCATED IN THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 2, THAT PART OF NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 2, AND ALSO THAT PART THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 3, ALL LOCATED IN TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.14
AMENDMENT NO: 1

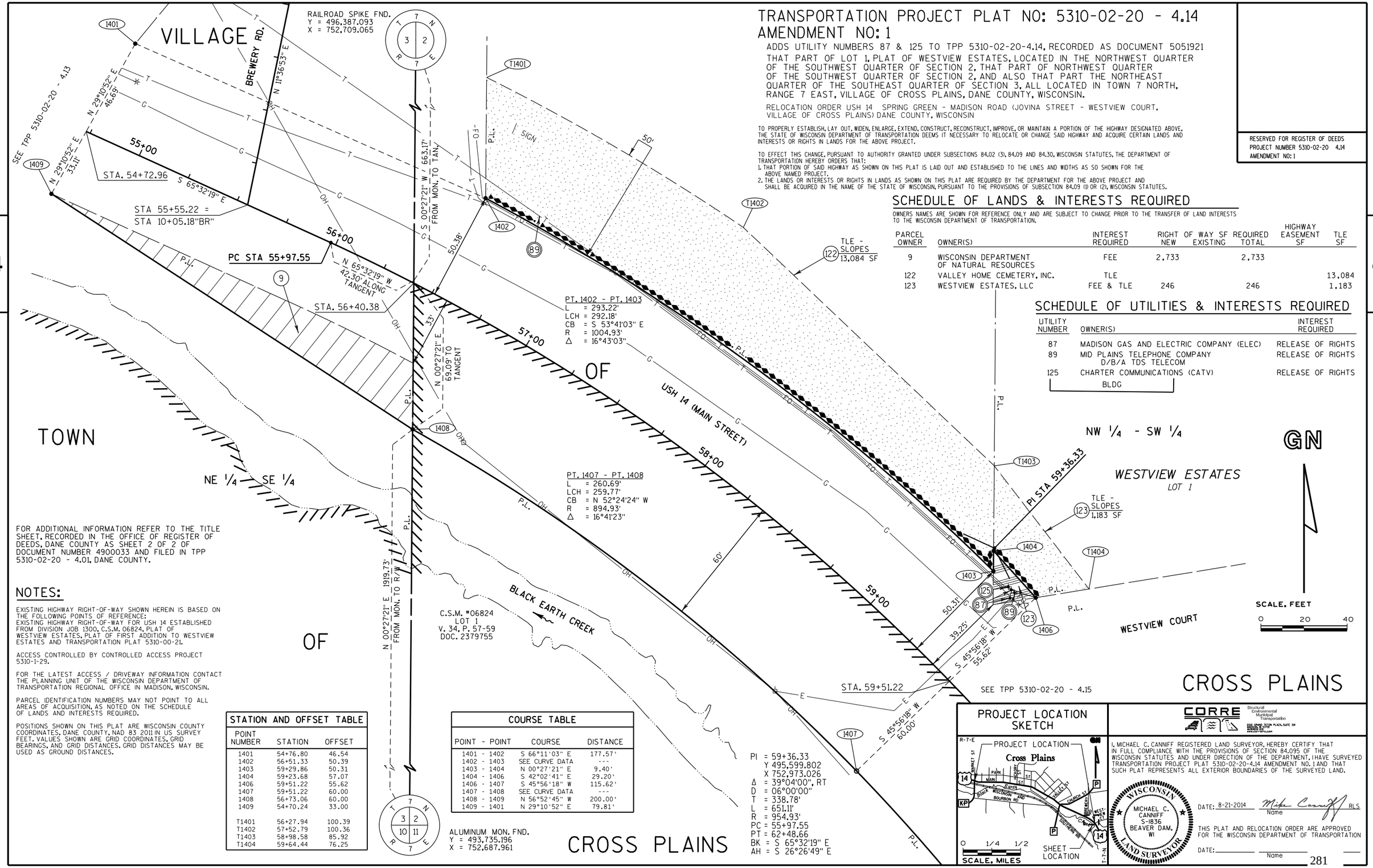
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	RIGHT OF WAY SF EXISTING	REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
9	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	FEE	2,733		2,733		
122	VALLEY HOME CEMETERY, INC.	TLE					13,084
123	WESTVIEW ESTATES, LLC	FEE & TLE	246		246		1,183

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
87	MADISON GAS AND ELECTRIC COMPANY (ELEC)	RELEASE OF RIGHTS
89	MID PLAINS TELEPHONE COMPANY D/B/A TDS TELECOM	RELEASE OF RIGHTS
125	CHARTER COMMUNICATIONS (CATV) BLDG	RELEASE OF RIGHTS



STATION AND OFFSET TABLE

POINT NUMBER	STATION	OFFSET
1401	54+76.80	46.54
1402	56+51.33	50.39
1403	59+29.86	50.31
1404	59+23.68	57.07
1406	59+51.22	55.62
1407	59+51.22	60.00
1408	56+73.06	60.00
1409	54+70.24	33.00
T1401	56+27.94	100.39
T1402	57+52.79	100.36
T1403	58+98.58	85.92
T1404	59+64.44	76.25

COURSE TABLE

POINT - POINT	COURSE	DISTANCE
1401 - 1402	S 66°11'03" E	177.57'
1402 - 1403	SEE CURVE DATA	---
1403 - 1404	N 00°27'21" E	9.40'
1404 - 1406	S 42°02'41" E	29.20'
1406 - 1407	S 45°56'18" W	115.62'
1407 - 1408	SEE CURVE DATA	---
1408 - 1409	N 56°52'45" W	200.00'
1409 - 1401	N 29°10'52" E	79.81'

PI = 59+36.33
Y 495,599.802
X 752,973.026
Δ = 39°04'00", RT
D = 06°00'00"
T = 338.78'
L = 651.11'
R = 954.93'
PC = 55+97.55
PT = 62+48.66
BK = S 65°32'19" E
AH = S 26°26'49" E

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, C.S.M. 06824, PLAT OF WESTVIEW ESTATES, PLAT OF FIRST ADDITION TO WESTVIEW ESTATES AND TRANSPORTATION PLAT 5310-00-21.

ACCESS CONTROLLED BY CONTROLLED ACCESS PROJECT 5310-1-29.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

PROJECT LOCATION SKETCH

CORRE — Structural, Environmental, Municipal, Transportation
8505 GREENWAY BLVD, SUITE 301, MIDDLETON, WI 53562, www.corre.com

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.14 AMENDMENT NO. 1 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN — MICHAEL C. CANNIFF S-1836 BEAVER DAM, WI — LAND SURVEYOR

DATE: 8-21-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\Final Submittal\Amendment #1\040114_tpp_A#1.dgn PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.
APPRAISAL PLAT DATE : 8-21-2014

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.15

THAT PART OUTLOT 2, PLAT OF FIRST ADDITION TO WESTVIEW ESTATES, LOCATED IN NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 2, TOWN 7 NORTH, RANGE 7 EAST, VILLAGE OF CROSS PLAINS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-20 4.15
AMENDMENT NO:

COURSE TABLE		
POINT - POINT	COURSE	DISTANCE
1501 - 1502	S 59°37'32" E	131.68'
1502 - 1503	S 62°53'41" W	24.78'
1503 - 1504	S 37°21'20" E	40.46'
1504 - 1506	SEE CURVE DATA	---
1506 - 1507	S 15°29'10" E	132.84'
1507 - 1508	N 89°38'51" W	119.87'
1508 - 1509	N 26°31'49" W	4.89'
1509 - 1511	SEE CURVE DATA	---
1511 - 1501	N 45°56'18" E	115.62'

STATION AND OFFSET TABLE		
POINT NUMBER	STATION	OFFSET
1501	59+51.22	55.62
1502	60+66.48	98.62
1503	60+62.47	74.23
1504	61+00.00	75.00
1506	61+75.00	75.00
1507	63+00.00	47.00
1508	62+46.03	60.00
1509	62+40.82	60.00
1511	59+51.22	60.00
1512	56+73.06	60.00

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

PARCEL OWNER	OWNER(S)	INTEREST REQUIRED	RIGHT OF WAY SF NEW	EXISTING	REQUIRED TOTAL	HIGHWAY EASEMENT SF	TLE SF
123	WESTVIEW ESTATES, LLC	FEE	139		139		

VILLAGE

SEE TPP 5310-02-20 - 4.14

TOWN

RAILROAD SPIKE FND.
Y = 496,387.093
X = 752,709.065

N 00°27'21" E 1919.73'
FROM MON. TO R/W
P.L.

S 00°27'21" W
664.43'
FROM MON.
TO R/L

STA. 56+40.38

57+00

N 00°27'21" E
67.83'

1512

C.S.M. #06824
LOT 1
V. 34, P. 57-59
DOC. 2379755

NW 1/4 - SW 1/4

OF

BLACK EARTH CREEK

PT. 1512 - PT. 1511
L = 260.69'
LCH = 259.77'
CB = S 52°24'24" E
R = 894.93'
Δ = 16°41'23"

PI = 59+36.33
Y 495,599.802
X 752,973.026
Δ = 39°04'00", RT
D = 06°00'00"
T = 338.78'
L = 651.11'
R = 954.93'
PC = 55+97.55
PT = 62+48.66
BK = S 65°32'19" E
AH = S 26°26'49" E

PT. 1509 - PT. 1511
L = 271.40'
LCH = 270.37'
CB = N 35°22'26" W
R = 894.93'
Δ = 17°22'34"

S 45°56'18" W
55.62'

STA. 59+51.22

S 45°56'18" W
60.00'

1511

1501

1502

1503

1504

1506

1507

1508

1509

123

WESTVIEW COURT

60+00

61+00

62+00

P.L.

OH

FO

E

T

G

GUY

BLDG

USH 14 (MAIN STREET)

FIRST ADDITION TO WESTVIEW ESTATES
O.L.2

BIRCHWOOD PASS

60'

75'

PT. 1504 - PT. 1506
L = 80.89'
LCH = 80.87'
CB = S 32°53'06" E
R = 1029.93'
Δ = 4°30'00"

C.S.M. #4500
LOT 1
V. 19, P. 236-237
DOC. 1854771

EQUATION

STA 62+48.66 BK =
STA 62+49.01 AH =

PT STA 62+48.66

S 26°26'49" E

STA. 62+76.61

67.21'
N89°38'51"W

52.66'
N89°38'51"W

FND. REBAR

CROSS PLAINS

CROSS PLAINS

GN

MID PLAINS TELEPHONE COMPANY
VOL. 12105, P. 89-90, DOC. 2110373 - PARCEL 123

MADISON GAS AND ELECTRIC COMPANY
VOL. 345, P. 315-317, DOC. 1327453 - PARCEL 123

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 4900033 AND FILED IN TPP 5310-02-20 - 4.01, DANE COUNTY.

ALUMINUM MON. FND.
Y = 493,735.196
X = 752,687.961

SCALE, FEET
0 20 40

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM DIVISION JOB 1300, C.S.M. 06824, PLAT OF WESTVIEW ESTATES, PLAT OF FIRST ADDITION TO WESTVIEW ESTATES, C.S.M. 4500 AND TRANSPORTATION PLAT 5310-00-21.

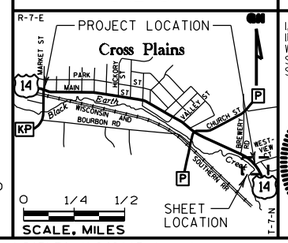
ACCESS CONTROLLED BY CONTROLLED ACCESS PROJECT 5310-1-29.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE IN MADISON, WISCONSIN.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 2011 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

PROJECT LOCATION SKETCH



SHEET LOCATION

CORRE
Structural Environmental Municipal Transportation
1455 DEMING WAY, SUITE 314
MADISON, WI
www.corre.com

I, MICHAEL C. CANNIFF REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 5310-02-20-4.15 AND THAT SUCH PLAT REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
MICHAEL C. CANNIFF
S-1836
BEAVER DAM, WI
LAND SURVEYOR

DATE: 1-14-2014 Mike Canniff RLS
Name

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE: _____ _____
Name

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040115_tpp.dgn
APPRAISAL PLAT DATE : 12-19-2013
PLOT DATE : 9/22/2014
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : 40.0000 sf / in.

4.15

DATE : 12-19-2013

REVISION DATE :

TRANSPORTATION PROJECT PLAT NO: 5310-02-20 - 4.16

RELOCATION ORDER USH 14 SPRING GREEN - MADISON ROAD (JOVINA STREET - WESTVIEW COURT, VILLAGE OF CROSS PLAINS) DANE COUNTY, WISCONSIN

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

POINT	Y	X
101	496,352.259	751,351.049
102	496,313.871	751,342.450
103	496,491.505	751,118.666
104	496,683.083	750,855.883
106	496,673.171	750,827.478
107	496,710.158	750,848.563
108	496,745.731	750,887.137
109	496,620.956	751,106.286
111	496,594.885	751,151.859
112	496,560.021	751,179.962
113	496,499.186	751,250.347
114	496,480.528	751,271.101
116	496,486.778	751,276.109
117	496,469.235	751,296.293
118	496,434.656	751,338.169
119	496,399.936	751,383.317
201	496,352.259	751,351.049
202	496,399.936	751,383.317
203	496,271.804	751,586.379
204	496,227.165	751,677.295
206	496,087.119	751,985.150
207	496,094.628	751,988.566
208	495,943.195	752,321.453
209	495,874.040	752,294.157
211	495,893.379	752,142.969
212	496,151.480	751,575.602
213	496,194.807	751,507.067
214	496,163.956	751,441.564
216	496,141.029	751,422.765
217	496,043.767	751,422.494
218	496,043.538	751,390.892
219	496,114.216	751,297.725
221	496,141.218	751,269.228
222	496,226.808	751,322.947
301	497,495.942	747,503.204
302	497,421.815	747,689.644
303	497,420.917	747,768.640
304	497,425.423	747,834.720
306	497,422.393	747,837.672
307	497,421.755	747,900.133
308	497,419.422	747,900.096
309	497,352.856	747,949.530
311	497,356.202	747,655.215
312	497,362.600	747,620.286
313	497,374.326	747,600.418
314	497,380.588	747,577.487
316	497,387.303	747,559.865
317	497,399.714	747,501.676
401	497,419.422	747,900.096
402	497,421.755	747,900.133
403	497,419.726	748,098.692
404	497,419.052	748,164.689
406	497,416.353	748,428.884
407	497,413.410	748,428.843
408	497,347.423	748,427.261
409	497,352.856	747,949.530
501	497,413.410	748,428.843
502	497,416.353	748,428.884
503	497,415.679	748,494.888
504	497,412.993	748,757.836
506	497,415.961	748,760.923
507	497,416.371	748,810.948
508	497,410.573	748,815.761
509	497,378.732	749,012.082

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

POINT	Y	X
511	497,313.174	749,029.029
512	497,308.562	749,028.292
513	497,343.556	748,812.040
514	497,333.909	748,761.729
516	497,343.732	748,751.906
517	497,346.673	748,493.257
518	497,347.423	748,427.261
601	497,378.732	749,012.082
602	497,368.647	749,074.269
603	497,372.845	749,079.327
604	497,364.765	749,129.144
606	497,358.966	749,133.958
607	497,317.190	749,391.541
608	497,321.388	749,396.598
609	497,313.309	749,446.416
611	497,307.510	749,451.230
612	497,286.538	749,580.540
613	497,224.113	749,578.162
614	497,219.691	749,577.486
616	497,308.562	749,028.292
617	497,313.174	749,029.029
701	497,286.538	749,580.540
702	497,265.565	749,709.850
703	497,269.764	749,714.908
704	497,256.685	749,764.604
706	497,212.513	750,036.963
707	497,216.711	750,041.999
708	497,199.299	750,090.916
709	497,136.580	750,089.583
711	497,131.097	750,089.454
712	497,143.939	750,037.050
713	497,191.309	749,750.067
714	497,181.380	749,744.470
716	497,189.310	749,702.130
717	497,199.622	749,699.681
718	497,215.898	749,600.925
719	497,219.691	749,577.486
721	497,224.113	749,578.162
801	497,199.299	750,090.916
802	497,157.769	750,163.862
803	497,147.949	750,182.405
804	497,125.982	750,221.072
806	497,128.509	750,225.592
807	497,102.629	750,274.734
808	497,092.175	750,280.581
809	496,902.636	750,614.222
811	496,901.701	750,613.199
812	496,906.226	750,504.197
813	497,051.154	750,249.652
814	497,128.474	750,104.772
816	497,126.220	750,103.519
817	497,131.097	750,089.454
818	497,136.580	750,089.583
901	496,901.701	750,613.199
902	496,902.636	750,614.222
903	496,926.431	750,714.284
904	496,922.742	750,717.659
906	496,889.604	750,681.449
907	496,863.716	750,682.956
908	496,774.419	750,840.195
909	496,774.963	750,845.017
911	496,771.132	750,914.892
912	496,767.104	750,918.771

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

POINT	Y	X
913	496,758.859	750,910.233
914	496,741.181	750,907.864
916	496,708.250	750,963.432
917	496,685.222	750,998.763
918	496,683.344	750,996.711
919	496,683.083	750,855.883
921	496,673.171	750,827.478
922	496,697.801	750,801.231
923	496,699.218	750,798.745
924	496,710.232	750,804.849
926	496,730.231	750,800.790
927	496,731.290	750,799.403
928	496,760.753	750,756.212
929	496,793.026	750,703.016
931	496,906.226	750,504.197
1001	496,683.344	750,996.711
1002	496,685.222	750,998.763
1003	496,661.134	751,035.720
1004	496,620.956	751,106.286
1006	496,602.412	751,160.084
1007	496,588.293	751,157.172
1008	496,563.806	751,176.911
1009	496,529.698	751,245.099
1011	496,500.352	751,288.141
1012	496,475.088	751,307.548
1013	496,382.247	751,256.310
1014	496,411.461	751,219.506
1016	496,405.978	751,215.154
1017	496,440.173	751,172.076
1018	496,445.656	751,176.428
1019	496,491.505	751,118.667
1021	496,683.083	750,855.883
1101	496,475.088	751,307.548
1102	496,449.349	751,366.422
1103	496,445.337	751,368.517
1104	496,426.136	751,366.690
1106	496,399.410	751,400.359
1107	496,395.055	751,541.463
1108	496,399.704	751,577.125
1109	496,399.072	751,692.695
1111	496,336.072	751,611.366
1112	496,321.447	751,594.070
1113	496,281.686	751,587.910
1114	496,267.143	751,595.226
1116	496,227.165	751,677.295
1117	496,175.107	751,791.731
1118	496,101.851	751,684.700
1119	496,151.480	751,575.602
1121	496,194.807	751,507.067
1122	496,313.871	751,342.450
1123	496,382.247	751,256.310
1201	496,175.107	751,791.731
1202	496,151.347	751,843.961
1203	496,092.015	751,987.378
1204	496,094.628	751,988.566
1206	496,060.346	752,063.927
1207	496,038.230	752,117.383
1208	496,044.022	752,132.214
1209	496,070.672	752,144.563
1211	496,066.966	752,152.782
1212	496,000.480	752,195.526
1213	495,893.379	752,142.969
1214	496,101.851	751,684.700

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

POINT	Y	X
1301	496,000.480	752,195.526
1302	495,982.862	752,234.255
1303	495,909.926	752,407.738
1304	495,833.822	752,574.645
1306	495,764.144	752,535.734
1307	495,874.040	752,294.157
1308	495,893.379	752,142.969
1401	495,833.822	752,574.645
1402	495,762.120	752,737.094
1403	495,589.083	752,972.520
1404	495,598.483	752,972.595
1406	495,576.798	752,992.150
1407	495,496.392	752,909.066
1408	495,654.863	752,703.238
1409	495,764.144	752,535.734
1501	495,576.798	752,992.150
1502	495,510.212	753,105.760
1503	495,498.922	753,083.701
1504	495,466.757	753,108.254
1506	495,398.845	753,152.162
1507	495,270.830	753,187.630
1508	495,275.938	753,065.583
1509	495,496.392	752,909.066
1511	495,654.863	752,703.238

FILE NAME : C:\Users\Bryan\Documents\DGN\5310-02-00 US 14 Cross Plains\CAD\Plat\040116_tpp.dgn PLOT DATE : 9/22/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 100.0000 sf / in.

APPRAISAL PLAT DATE : 12-19-2013

4.16

BENCH MARKS

NO.	STATION/OFFSET	DESCRIPTION	ELEV.
1	103+66.73, 27.15' LT	PK NAIL IN BACK OF CURB	862.08
2	107+35.39, 23.20' LT	PK NAIL IN BACK OF CURB	863.32

BM#1

LEGEND

- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE DRIVEWAY 6-INCH
- (D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (E) CONCRETE MEDIAN
- (F) REMOVING ASPHALTIC SURFACE BUTT JOINTS

MARKET STREET

CTH KP

BEGIN PROJECT 5310-02-70
STA 104+78.19
Y = 497,439.45
X = 747,507.36

CONCRETE CURB PEDESTRIAN

CONCRETE CURB PEDESTRIAN DEPRESSION (TYP)

VILLAGE OF CROSS PLAINS UTILITIES

KALSCHEUR IMPLEMENT COMPANY, INC.
1113 MAIN ST

STA 105+53.33 RT

STA 106+50.20 RT

WATER STREET 11+00'B'

STA 10+64.14'B'
SAWCUT REQUIRED

STATE BANK OF CROSS PLAINS
1201 MAIN ST

CROSS PLAINS INVESTORS, LLC
1205 MAIN ST

MG&E CAUTION

SLOPE INTERCEPT

STA 107+70.71 =
STA 10+00'B'

BM#2

USH 14

MATCH LINE STA. 110+00

STA 106+49, LT
12' ASPH CE REQD

STA 106+65, RT
20' CONC CE REQD

STA 107+74, RT
31' ASPH CE REQD

STA 109+36, RT
15' ASPH CE REQD

MID-PLAINS TELEPHONE

CHARTER MG&E

KALSCHEUR IMPLEMENT CO., INC.
1112 MAIN ST

SANDLEWOOD PROPERTIES, LLC
1114 MAIN ST

JPH PROPERTIES, LLC
1118 MAIN ST

HMA PAVEMENT

MWEL

MONITORING WELL

JAMES AND JUDITH NONN LIVING TRUST
1200 MAIN ST

CONCRETE CURB PEDESTRIAN

PATRICIA A. SCHROEDER
1206 MAIN ST

WISCONSIN
SUZANNE K. SCHLEEPER
E-34019
MADISON
WI
PROFESSIONAL ENGINEER
10/16/14

THIS STAMP COVERS PLAN AND PROFILE SHEETS FROM STA. 104+78.19 TO STA. 126+00.00 ALONG USH 14 CONSISTING OF 4 SHEETS.

EXISTING ℄ GRADE

VPI 104+78.19
EL. 862.39

0.30%

VPC 107+38.00
EL. 863.17

VPI 107+53.00
EL. 863.22

VPT 107+68.00
EL. 863.17

℄ WATER STREET

L = 30.00'
K = 50.00

VPC 107+84.50
EL. 863.12

L = 51.00
K = 7.98

VPI 108+10.00
EL. 863.05

VPT 108+35.50
EL. 863.15

0.30%

PROPOSED ℄ GRADE

0.41%

EXISTING ℄ GRADE — PROPOSED ℄ GRADE

105+00	106+00	107+00	108+00	109+00	110+00

Existing:

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\050101_pp.dgn PLOT DATE : 10/7/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in. WISDOT/CADDS SHEET 40

LEGEND

- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE DRIVEWAY 6-INCH
- (D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (E) CONCRETE MEDIAN
- (F) REMOVING ASPHALTIC SURFACE BUTT JOINTS

BENCH MARKS

NO.	STATION/OFFSET	DESCRIPTION	ELEV.
3	110+62.48, 22.51' LT	PK NAIL IN BACK OF CURB	864.57
4	114+92.48, 22.44' LT	PK NAIL IN BACK OF CURB	865.82

CENTER STREET

STA 10+48.90'C' SAWCUT REQUIRED

KEVIN J. ENGELIEN AND JENNIFER L. FOERSTER-ENGELIEN 1303 MAIN ST

MG&E CAUTION

EDWARD ZANDER 1307 MAIN ST

JOSEPH M. AND DONNA M. PARRELL 1311 MAIN ST

RAYMOND M. AND TERESA L. BUECHNER 1315 MAIN ST

SLOPE INTERCEPT

SPRING STREET

STA 10+48.48'D' SAWCUT REQUIRED

JOHN AND TRACY BURANDT 1401 MAIN ST

MG&E CAUTION

STA 114+25, RT 12' ASPH PE REQD

STA 114+64, RT 12' CONC PE REQD

STA 115+16, LT 12' CONC PE REQD

STA 115+45, LT 12' CONC PE REQD

STA 115+51, RT 18.5' CONC PE REQD

STA 115+96, LT 12' CONC PE REQD

WILLIAM A. AND CHRISTINA L. CRUZEN 1405 MAIN ST

BM#3

BM#4

PI STA 111+59.05

PI STA 110+59.05

STA 111+08.61 = STA 10+00'C'

STA 114+39.59 = STA 10+00'D'

MATCH LINE STA. 110+00

MATCH LINE STA. 116+00

USH 14

HMA PAVEMENT

20.0'

21.0'

3'

5'

MONITORING WELL

VILLAGE OF CROSS PLAINS UTILITIES

FUTURE DEVELOPMENT

CHARTER MG&E

SLOPE INTERCEPT

JOH-MAY ENTERPRISES, LLC 1214 MAIN ST

HEIDI RICHARDSON (50%), ANDREW AMACHER TRUST (25%), BRYAN WIRTS TRUST (25%) 1314 MAIN ST

MICHAEL K. AND HEIDI M. CUNNINGHAM 1404 MAIN ST

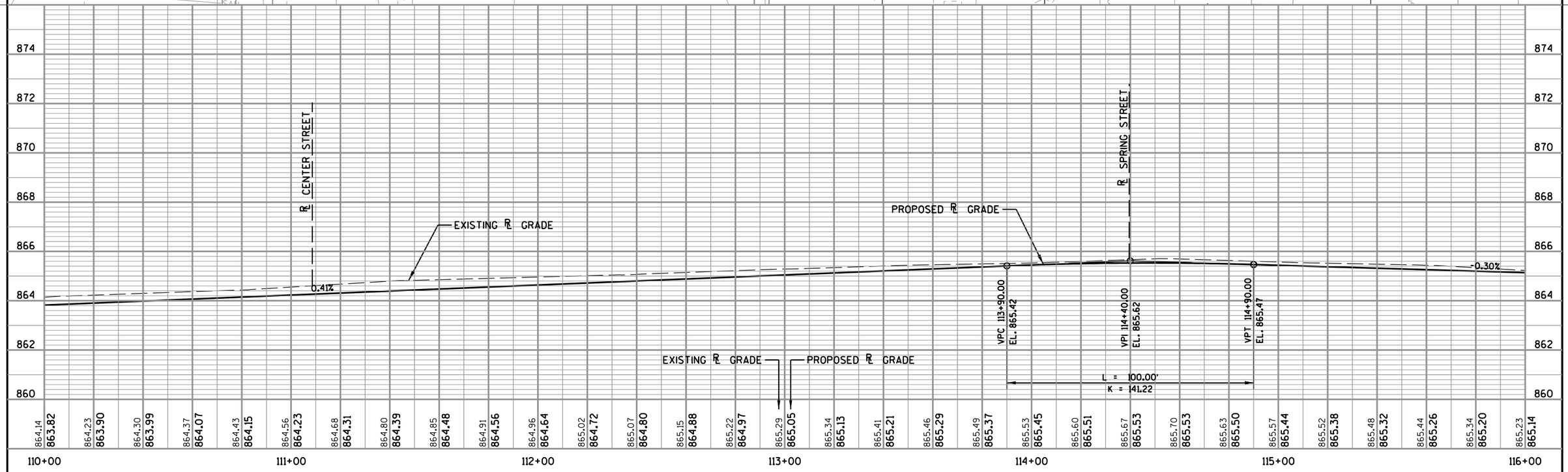
CHRISTOPHER L. AND CATHERINE M. LEWIS 1408 MAIN ST

STA 110+41, RT 24' ASPH PE REQD

STA 112+20, LT 17.5' CONC PE REQD

STA 112+90, LT 12' ASPH PE REQD

STA 113+25, RT 20' ASPH PE REQD



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 285	E

BENCH MARKS

NO.	STATION/OFFSET	DESCRIPTION	ELEV.
5	117+27.09, 22.80' LT	PK NAIL IN BACK OF CURB	864.99
6	120+41.03, 21.44' LT	PK NAIL IN BACK OF CURB	868.97

LEGEND
- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE DRIVEWAY 6-INCH
- (D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (E) CONCRETE MEDIAN
- (F) REMOVING ASPHALTIC SURFACE BUTT JOINTS

RICHARD C. SCHUCHARDT
1411 MAIN ST

PAUL K. AND KRISTINE L. WELLNER
1415 MAIN ST

SLOPE INTERCEPT

STA 117+63.25 =
STA 10+00'E'

EAST STREET

STA 10+56.38'E'
SAWCUT REQUIRED

MG&E CAUTION

DAVID B. AND SARA S. RUSSELL
1501 MAIN ST

KEVIN ZANDER
1509 MAIN ST

CAROLYN E. GARFOOT
1513 MAIN ST

CONCRETE CURB PEDESTRIAN RAMP

VILLAGE OF CROSS PLAINS UTILITIES

GLEN K. AND DEBRA K. MEISTER
1519 MAIN ST

MAPLE STREET
11+00'F'

STEPHEN W. LEDERER AND SHEILA J. CONNOLLY-LEDERER
1603 MAIN ST

STA 10+54.87'F'
SAWCUT REQUIRED

MG&E CAUTION

MATCH LINE STA. 116+00

117+00

118+00

119+00

120+00

121+00

USH 14

BM#5

BM#6

HMA PAVEMENT

21.0'

3"

5'

PC STA 117+07.79

PT STA 118+27.29

STA 120+83.38 =
STA 10+00'F'

MATCH LINE STA. 121+75

STA 116+17, LT
16' CONC PE REQD

STA 116+22, RT
24' CONC PE REQD

STA 118+52, RT
42' CONC CE REQD

STA 118+75, LT
13' CONC PE REQD

STA 119+68, LT
18' CONC PE REQD

STA 119+88, RT
12' CONC PE REQD

STA 120+33, RT
27.5' CONC PE REQD

STA 121+00, RT
12' ASPH PE REQD

CHRISTOPHER L. AND CATHERINE M. LEWIS
1408 MAIN ST

MELVIN J. AND LEORA A. RICHGELS
1414 MAIN ST

9+00'E'

COREY J. AND LYNNE M. BALLWEG
1504 MAIN ST

CHARTER MG&E

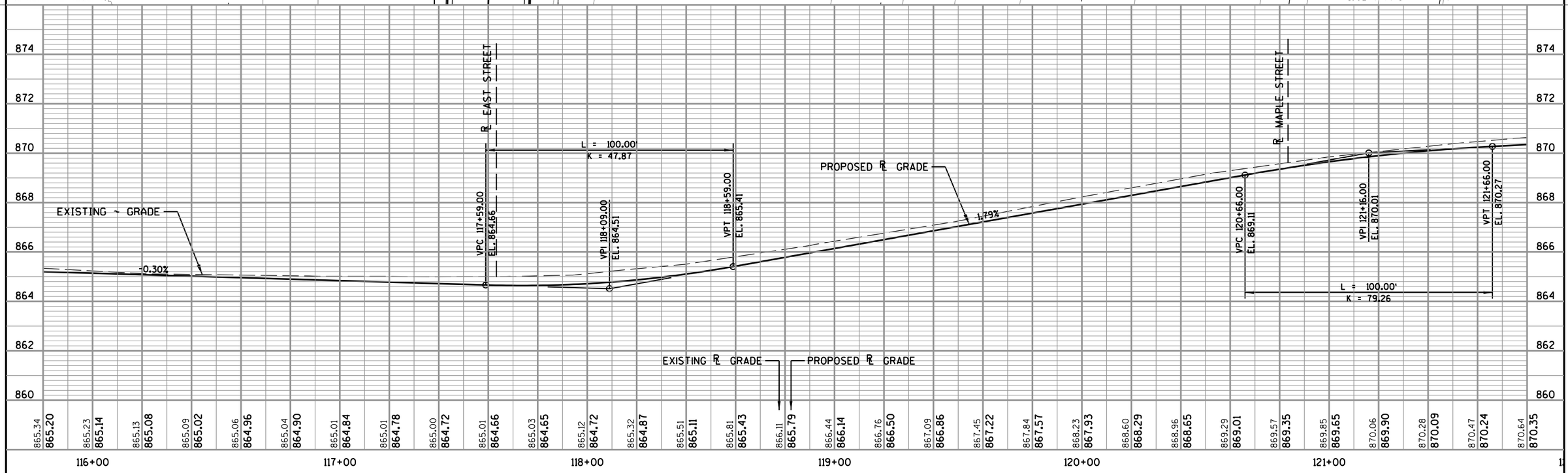
MID-PLAINS TELEPHONE

JILL M. SCHUCHARDT
1516 MAIN ST

SLOPE INTERCEPT

FOXVILLE APARTMENTS, LLC
1522 MAIN ST

JOHN E. AND ELIZABOTH A. FOYE
1602 MAIN ST



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 286	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\050103_pp.dgn PLOT DATE : 10/8/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40

LEGEND

- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE DRIVEWAY 6-INCH
- (D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (E) CONCRETE MEDIAN
- (F) REMOVING ASPHALTIC SURFACE BUTT JOINTS

STA 121+95, RT
14.5' CONC PE REQD

STA 122+25, LT
16' CONC PE REQD

STA 122+90, LT
16' CONC PE REQD

STA 123+05, RT
12' ASPH PE REQD

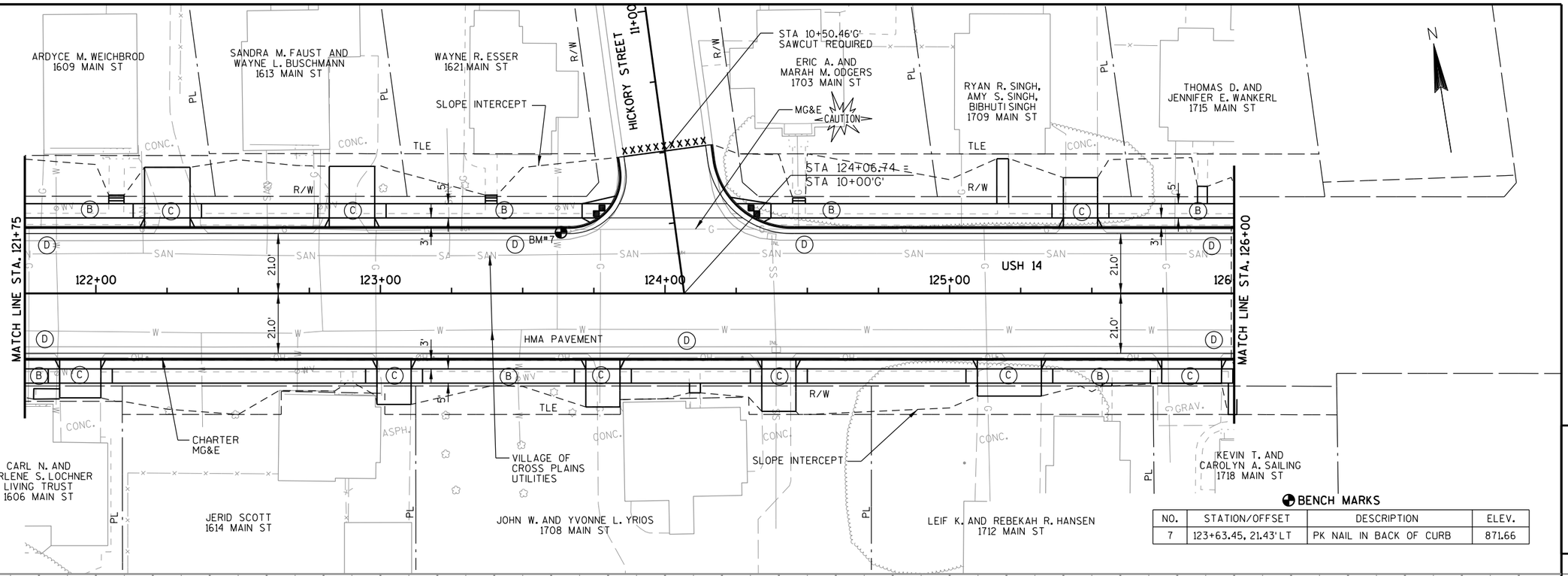
STA 123+78, RT
12' CONC PE REQD

STA 124+40, RT
12' CONC PE REQD

STA 125+21, RT
22.5' CONC PE REQD

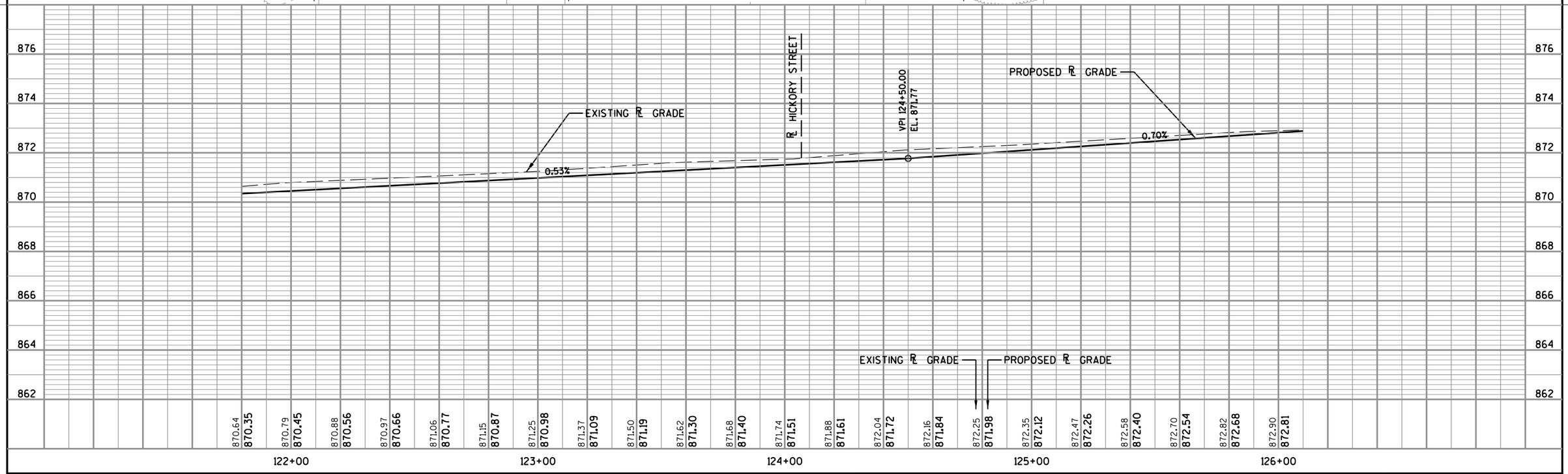
STA 125+46, LT
12' CONC PE REQD

STA 125+89, RT
21' CONC PE REQD

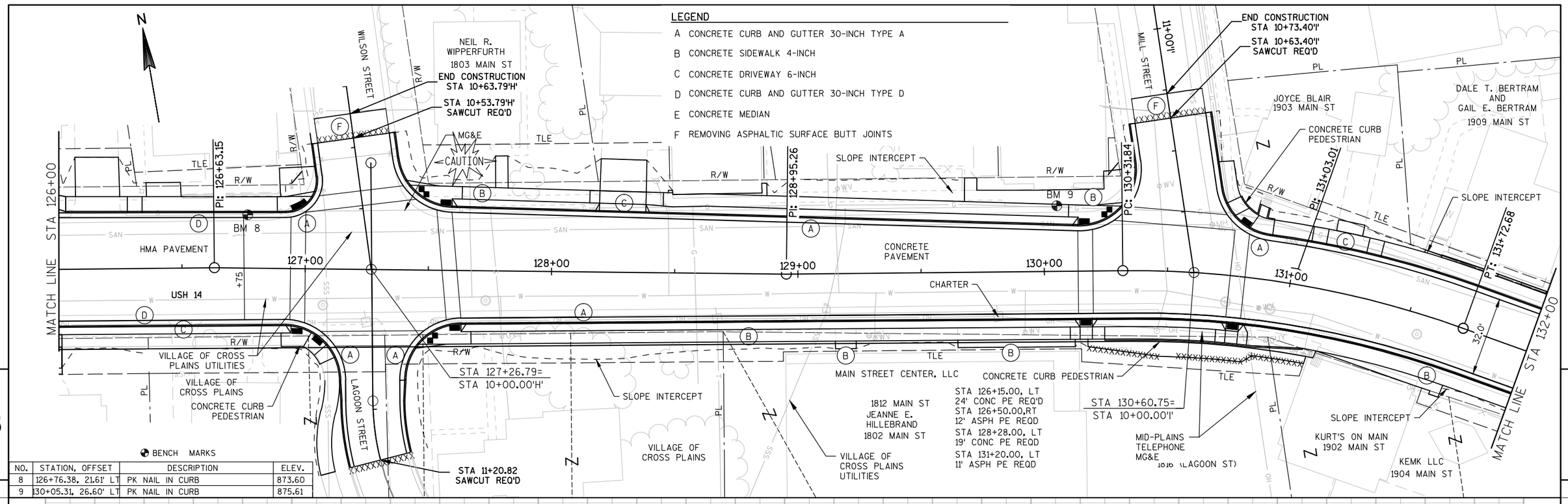


BENCH MARKS

NO.	STATION/OFFSET	DESCRIPTION	ELEV.
7	123+63.45, 21.43' LT	PK NAIL IN BACK OF CURB	871.66

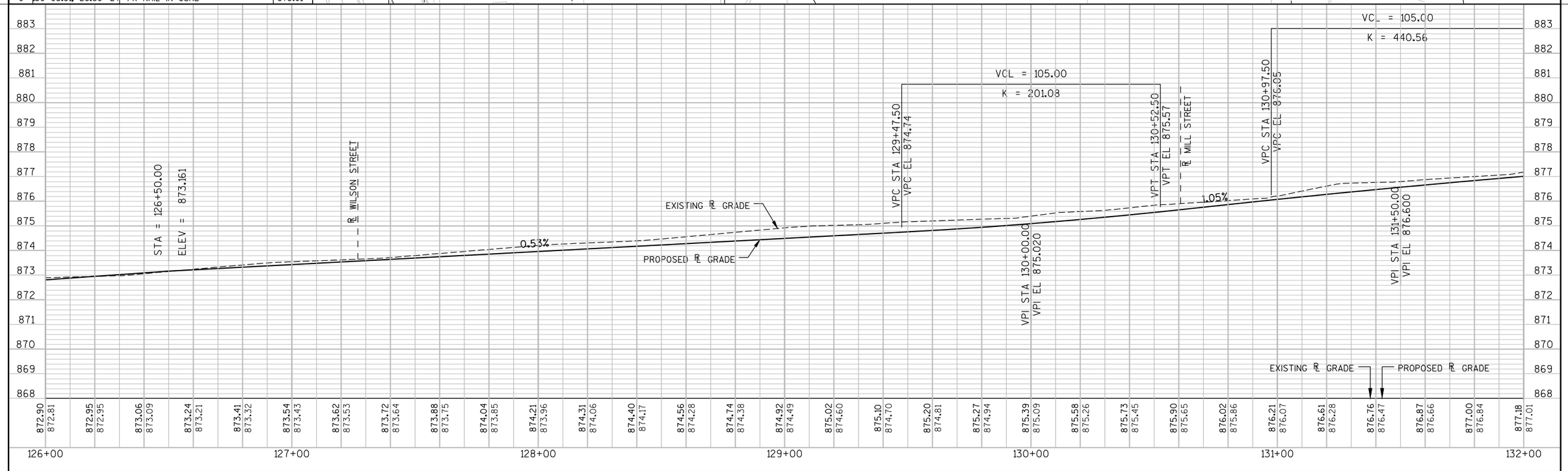


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 287	E



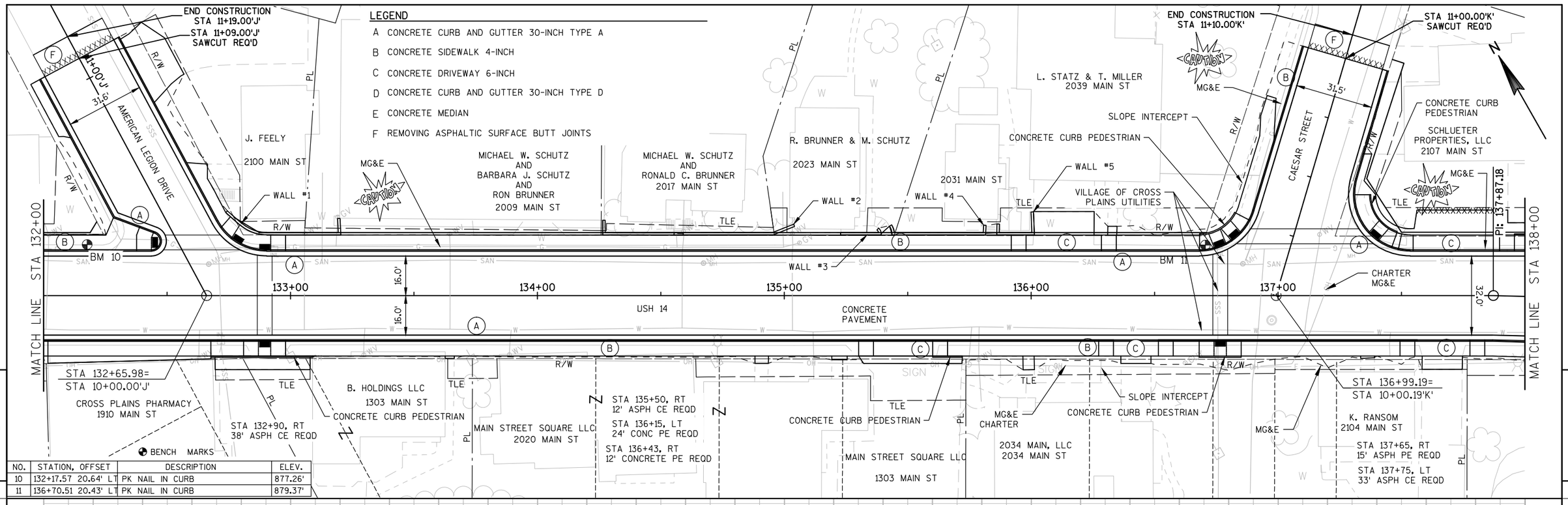
BENCH MARKS

NO.	STATION, OFFSET	DESCRIPTION	ELEV.
8	126+76.38, 21.61' LT	PK NAIL IN CURB	873.60
9	130+05.31, 26.60' LT	PK NAIL IN CURB	875.61



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 288	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050101_PP.DWG PLOT DATE : 8/27/2014 3:29 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 45



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 289	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050101_PP.DWG PLOT DATE : 8/27/2014 3:29 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 45

LEGEND

A CONCRETE CURB AND GUTTER 30-INCH TYPE A

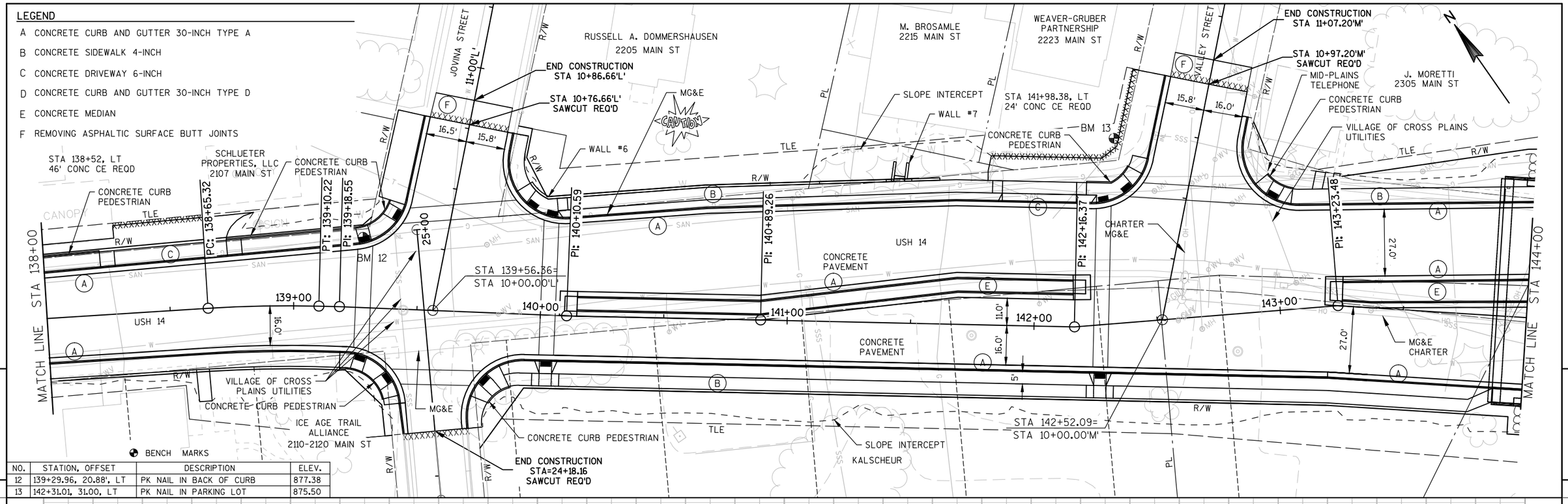
B CONCRETE SIDEWALK 4-INCH

C CONCRETE DRIVEWAY 6-INCH

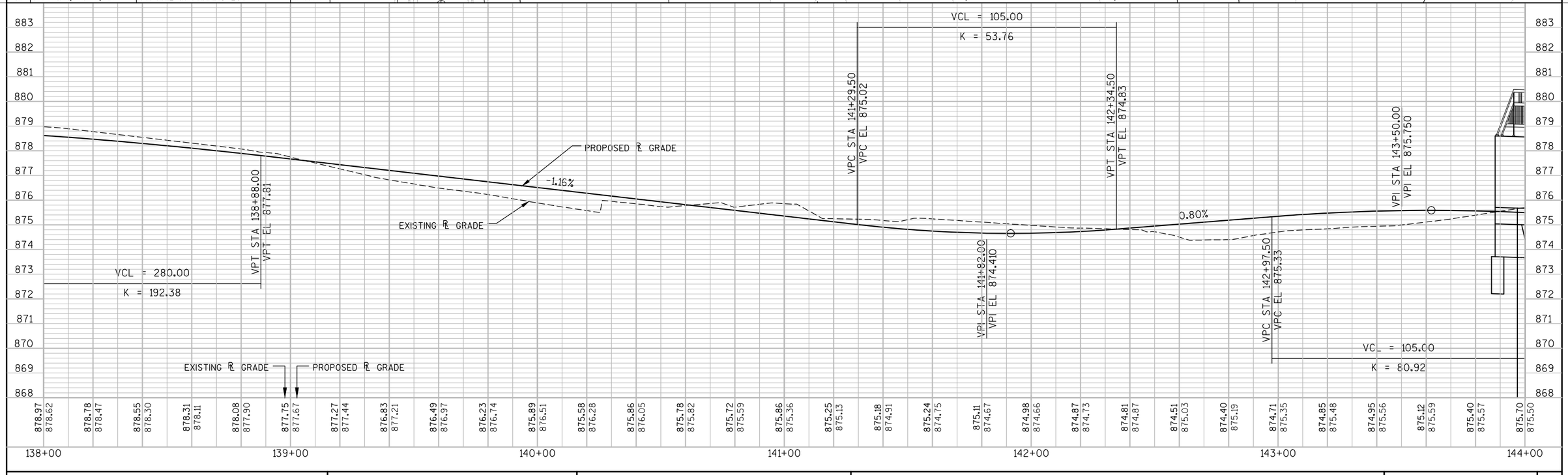
D CONCRETE CURB AND GUTTER 30-INCH TYPE D

E CONCRETE MEDIAN

F REMOVING ASPHALTIC SURFACE BUTT JOINTS



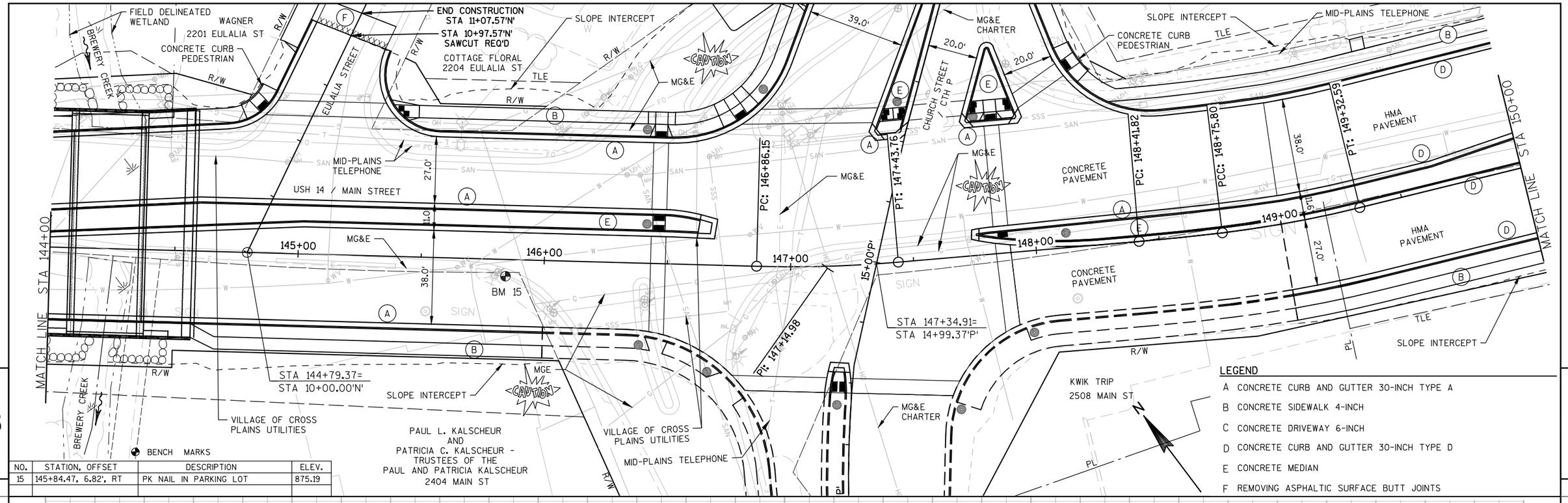
NO.	STATION, OFFSET	DESCRIPTION	ELEV.
12	139+29.96, 20.88', LT	PK NAIL IN BACK OF CURB	877.38
13	142+31.01, 31.00, LT	PK NAIL IN PARKING LOT	875.50



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 290	E

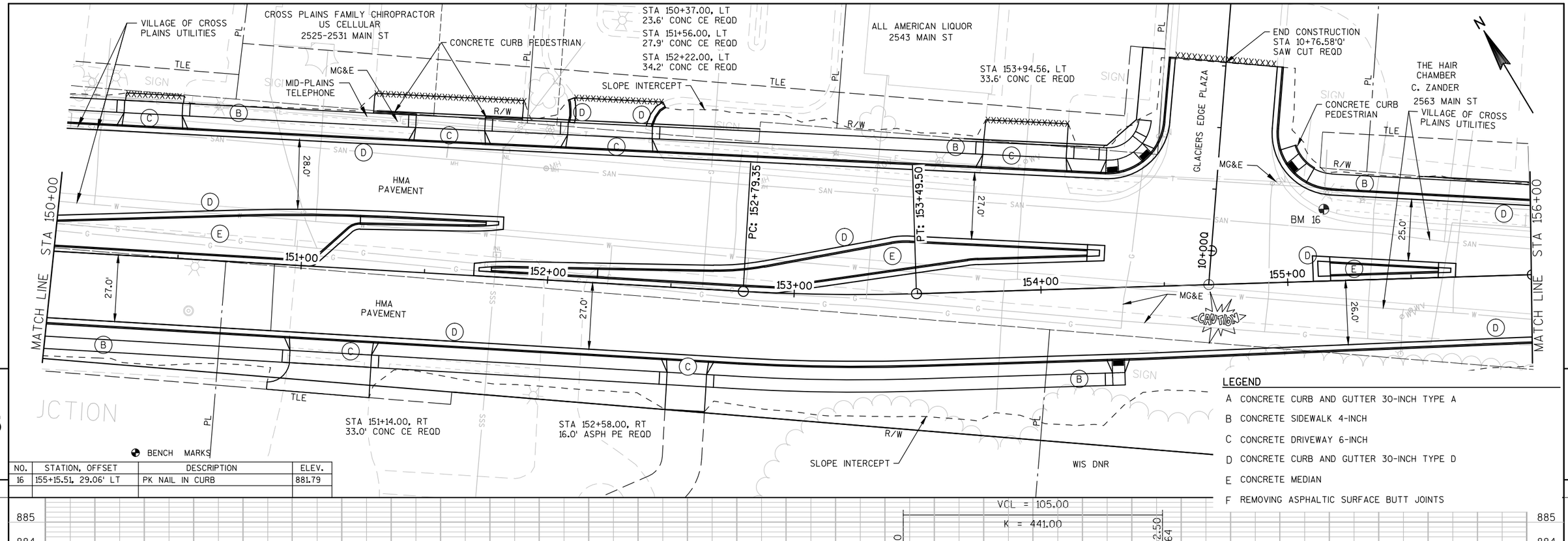
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050101_PP.DWG PLOT DATE : 8/27/2014 3:29 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1"=40'_XREF

WISDOT/CADDS SHEET 45



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 291	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050101_PP.DWG PLOT DATE : 11/21/2014 2:40 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1"=40'_XREF



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 292 E

STA 156+52.00, LT
30.0' ASPH CE REQD

WALGREENS
2575 MAIN ST

MID-PLAINS TELEPHONE

TLE

R/W

PT: 156+68.15

PI: 157+41.22

PI: 158+42.83

SLOPE INTERCEPT

CONCRETE CURB PEDESTRIAN

BREWERY ROAD

CHARTER

SLOPE INTERCEPT

MID-PLAINS TELEPHONE

PC: 160+32.78

BM 17

MG&E

MATCH LINE STA 156+00

MATCH LINE STA 162+00

157+00

158+00

159+00

160+00

161+00

50.0'

41.0'

25.0'

12.0'
4.0'
14.0'
11.0'
14.0'
11.0'
14.0'

VILLAGE OF CROSS PLAINS UTILITIES

CAUTION

HMA PAVEMENT

STA 159+97.06=
STA 10+00.00R

CHARTER MG&E

SLOPE INTERCEPT

FIELD DELINEATED WETLAND

WDNR

BLACK EARTH CREEK

LEGEND

- A CONCRETE CURB AND GUTTER 30-INCH TYPE A
- B CONCRETE SIDEWALK 4-INCH
- C CONCRETE DRIVEWAY 6-INCH
- D CONCRETE CURB AND GUTTER 30-INCH TYPE D
- E CONCRETE MEDIAN
- F REMOVING ASPHALTIC SURFACE BUTT JOINTS

BENCH MARKS

NO.	STATION, OFFSET	DESCRIPTION	ELEV.
17	160+36.25, 21.04' LT	PK NAIL IN CURB	885.73

PROPOSED ℄ GRADE

EXISTING ℄ GRADE

VPI STA 158+20.00
VPI EL 885.800

VPC STA 156+45.01
VPC EL 883.34

VPT STA 159+95.01
VPT EL 884.75

VPC STA 160+47.50
VPC EL 884.44

VPI STA 161+00.00
VPI EL 884.120

VPT STA 161+52.50
VPT EL 883.30

VPC STA 161+77.48
VPC EL 882.91

VCL = 350.00
K = 174.58

VCL = 105.00
K = 108.47

VCL = 200.00
K = 96.71

-0.60%

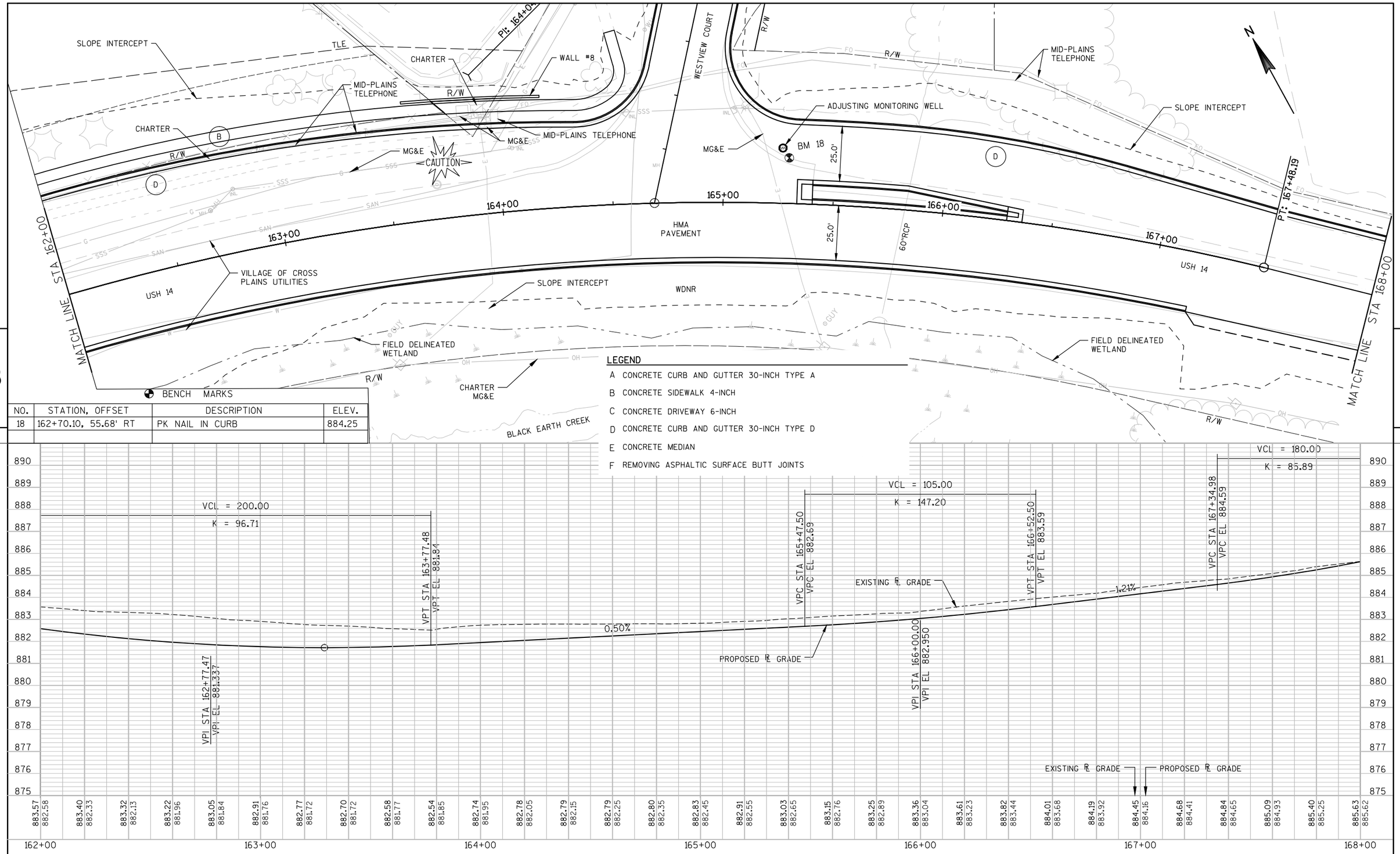
-1.57%

890 889 888 887 886 885 884 883 882 881 880 879 878 877 876 875

882.64 882.71 | 882.80 882.99 | 882.99 883.27 | 883.20 883.55 | 883.29 883.80 | 883.40 884.03 | 883.55 884.23 | 883.68 884.42 | 883.80 884.58 | 883.86 884.72 | 883.90 884.83 | 883.90 884.92 | 883.90 884.99 | 883.89 885.04 | 883.91 885.06 | 883.98 885.06 | 883.97 885.04 | 883.94 884.99 | 884.19 884.92 | 884.35 884.83 | 884.35 884.72 | 884.29 884.60 | 884.25 884.48 | 884.23 884.35 | 884.24 884.19 | 884.13 883.99 | 884.09 883.76 | 883.99 883.49 | 883.81 883.18 | 883.70 882.87 | 883.57 882.58

156+00 157+00 158+00 159+00 160+00 161+00 162+00

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 293	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 294	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050101_PP.DWG PLOT DATE : 8/27/2014 3:30 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1"=40'_XREF

LEGEND

A CONCRETE CURB AND GUTTER 30-INCH TYPE A

B CONCRETE SIDEWALK 4-INCH

C CONCRETE DRIVEWAY 6-INCH

D CONCRETE CURB AND GUTTER 30-INCH TYPE D

E CONCRETE MEDIAN

F REMOVING ASPHALTIC SURFACE BUTT JOINTS

MATCH LINE STA 168+00

MID-PLAINS TELEPHONE

R/W

SLOPE INTERCEPT

PI: 172+00.00

+75

169+00 170+00 171+00 172+00 173+00 173+50

HMA PAVEMENT

END CONSTRUCTION
STA 172+75.00

SLOPE INTERCEPT

CHARTER MG&E

R/W

END PROJECT 5310-02-70
STA 172+00.00

MATCH EXISTING

VCL = 180.00
K = 85.89

VPT STA 169+14.98
VPT EL 888.66

VPI STA 168+25.00
VPI EL 885.680

PROPOSED ℄ GRADE

3.31%

EXISTING ℄ GRADE

VPC STA 170+25.01
VPC EL 892.30

VPI STA 171+00.00
VPI EL 894.780

2.00%

VPT STA 171+75.01
VPT EL 896.28

VCL = 150.00
K = 114.59

EXISTING ℄ GRADE

PROPOSED ℄ GRADE

| | | |

LEGEND

- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE DRIVEWAY 6-INCH
- (D) CURB RAMP DETECTABLE WARNING FIELD (COLOR)
- (F) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (G) CONCRETE MEDIAN BLUNT NOSE

5

5

BEGIN CONSTRUCTION
STA 11+06.95'P'

BP: 10+00.00

10+00'P'

11+00'P'

CTH P

R/W ARCHAEOLOGICAL SITE

WISCONSIN AND SOUTHERN RAILROAD

BOURBON ROAD

112+00

PI: 12+06.44

MG&E

VILLAGE OF CROSS PLAINS UTILITIES

ASPH

PI: 12+79.01

PC: 13+19.96

MI: 13+86.12

PT: 14+57.28

13+00'P'

14+00'P'

12+00'P'

113+00

EP: 113+00.00

163.1'P

99.6'

CTH P

CONC

MG&E

MID-PLAINS TELEPHONE

STREAM MONITORING STATION WDNR

R/W

KWIK TRIP
2508 MAIN ST

CAUTION MG&E

R/W

VILLAGE OF CROSS PLAINS UTILITIES

MID-PLAINS TELEPHONE

USH 14

STA 16+00.00'P', LT
21' CONC PE REQD

MID-PLAINS TELEPHONE

PC: 146+86.15

147+00

MG&E/CHARTER

PI: 15+54.44

CHURCH STREET / CTH P

STA 147+34.91 =
STA 14+99.37P

15+00'P'

PT: 147+43.76

PI: 147+14.98

148+00

MATCH LINE STA 16+00'P'

STA = 11+06.95
ELEV = 877.850

EXISTING ℄ GRADE

CONSTRUCTED IN PROJECT
5310-02-74/5657-00-70 (2014)

STA = 14+50.91
ELEV = 875.619

PROPOSED ℄ GRADE

STA 15+09.45 'P'
MATCH EXISTING
SAW CUT REQ'D

0.50% 2.08% -1.72% 2.10% -1.86% 1.54%

EXISTING ℄ GRADE

EXISTING ℄ GRADE

PROPOSED ℄ GRADE

885	880	875	870	865	860

| | | | | |

STA 16+00.00'P', LT
21.0' CONC PE REQD

G. BOEHMAN

2203 MAIN ST

MID-PLAINS TELEPHONE

SLOPE INTERCEPT

TLE

TLE

PC: 16+29.42

PT: 16+75.61

PC: 17+60.73

MG&E

CAUTION

R/W

PT: 19+51.87

20+00'P'

CTH P / CHURCH STREET

19+00'P'

18+00'P'

17+00'P'

STA 17+43.65'P'
SAWCUT REQ'D

MATCH LINE

STA 16+00'P'

MG&E/CHARTER

R/W

SLOPE INTERCEPT

MID-PLAINS TELEPHONE

VILLAGE OF CROSS PLAINS UTILITES

END CONSTRUCTION
STA 17+53.65'P'
MATCH EXISTING

N

LEGEND

- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE DRIVEWAY 6-INCH
- (D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (E) CONCRETE MEDIAN
- (F) REMOVING ASPHALTIC SURFACE BUTT JOINTS

EXISTING ℄ GRADE

PROPOSED ℄ GRADE

STA = 16+20.00
ELEV = 876.970

2.00%

STA = 17+43.65
ELEV = 879.449

EXISTING ℄ GRADE

PROPOSED ℄ GRADE

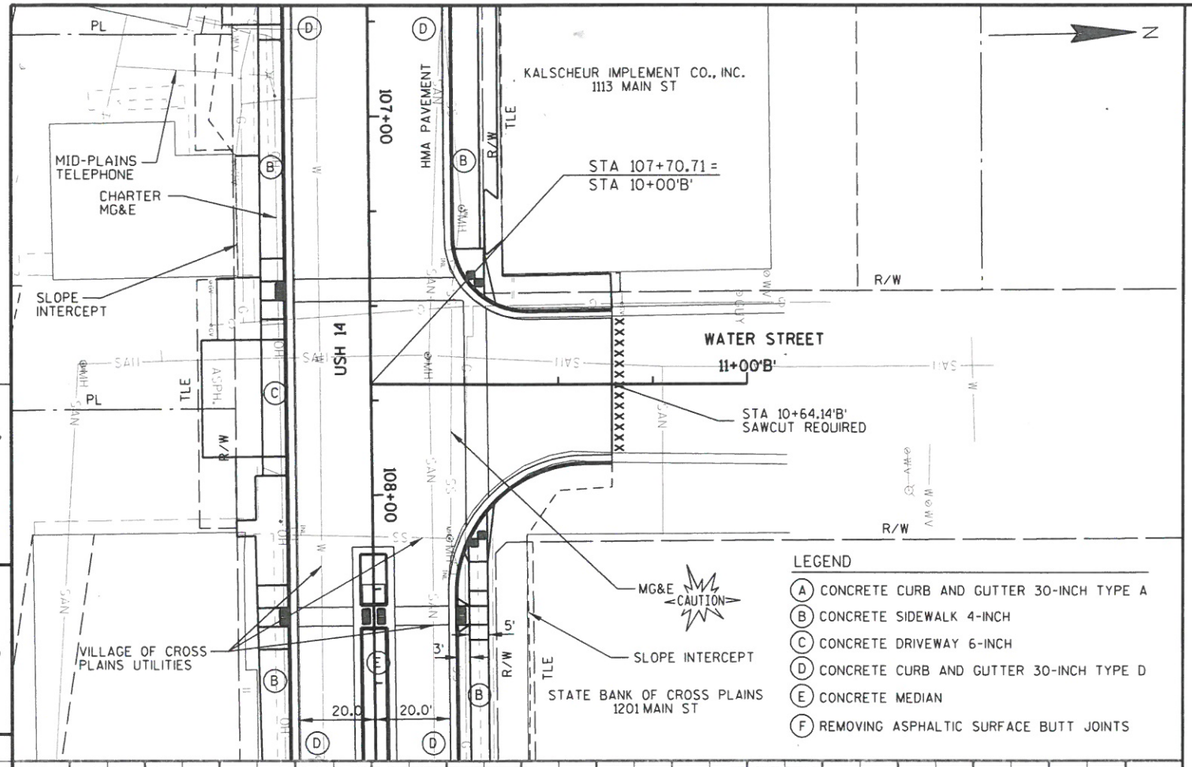
16+00	17+00	18+00	19+00	20+00	21+00	22+00
876.49 876.66	876.97 876.97	877.37 877.37	877.86 877.77	878.23 878.17	878.66 878.57	879.03 878.97	879.40 879.38	879.88	880.42	881.04	881.73	882.43	883.13	883.80	884.45	885.24	886.07	886.78	887.42	887.99	888.50	888.87	889.16	889.44	889.64

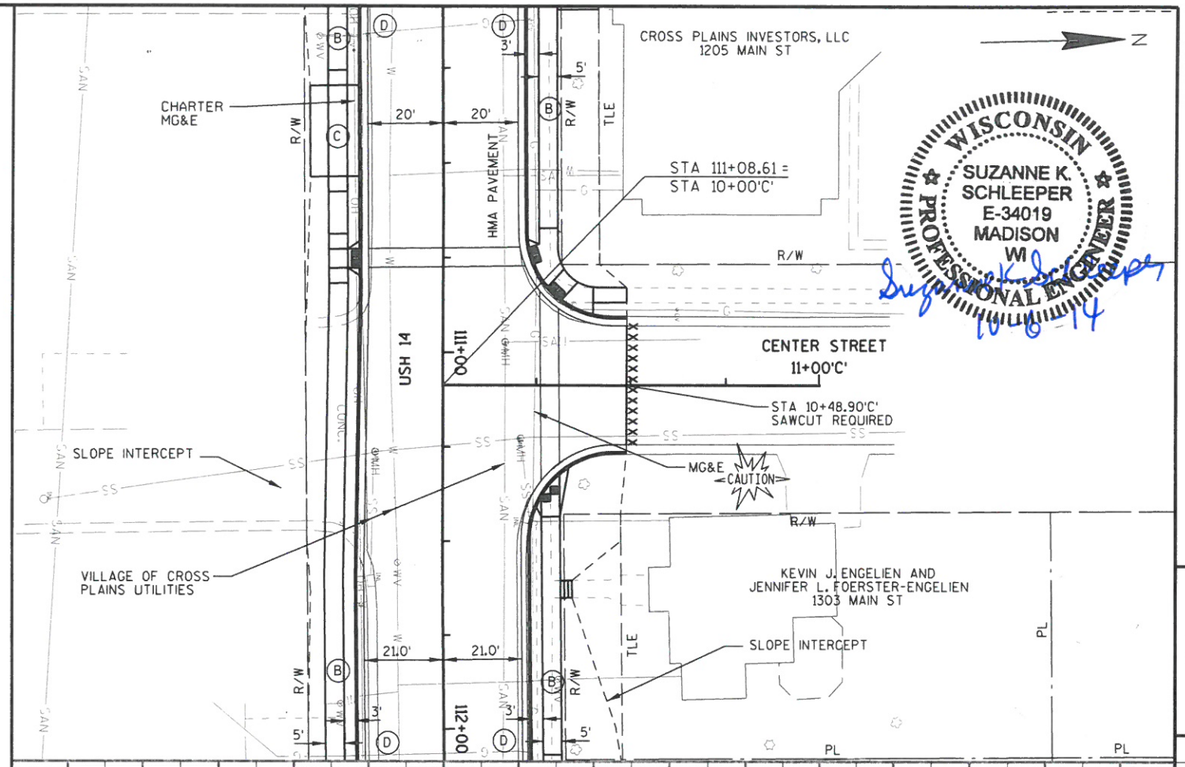
889 888 887 886 885 884 883 882 881 880 879 878 877 876 875 874 873

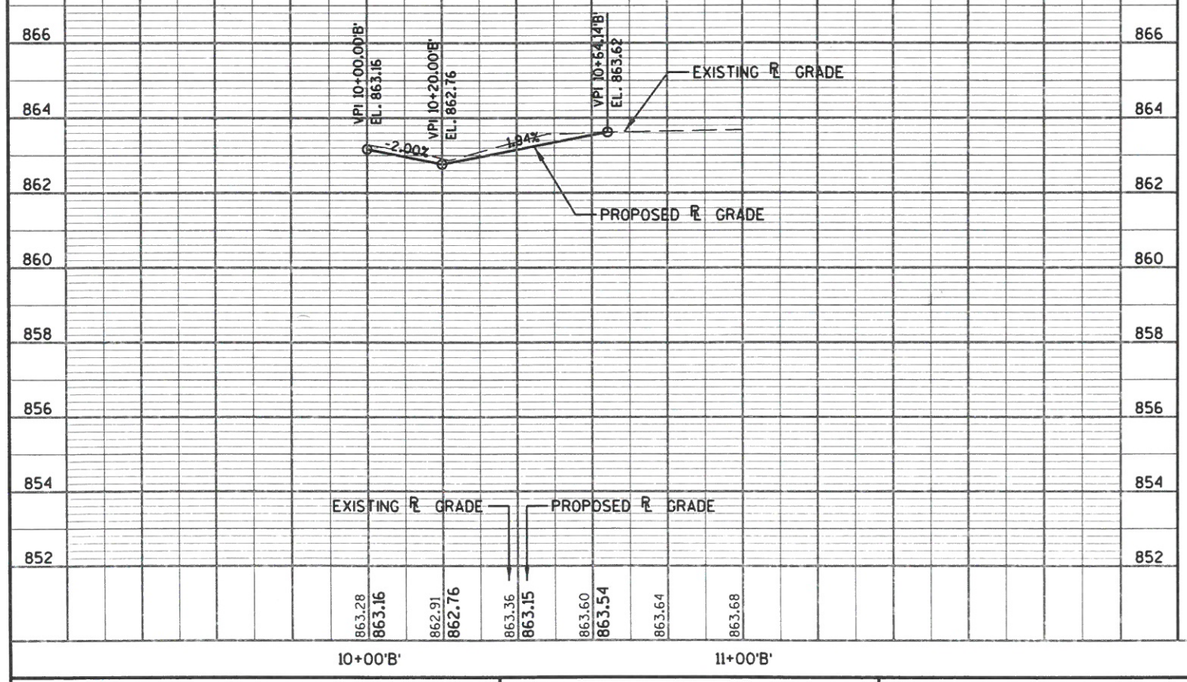
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: CTH P	SHEET 297 E

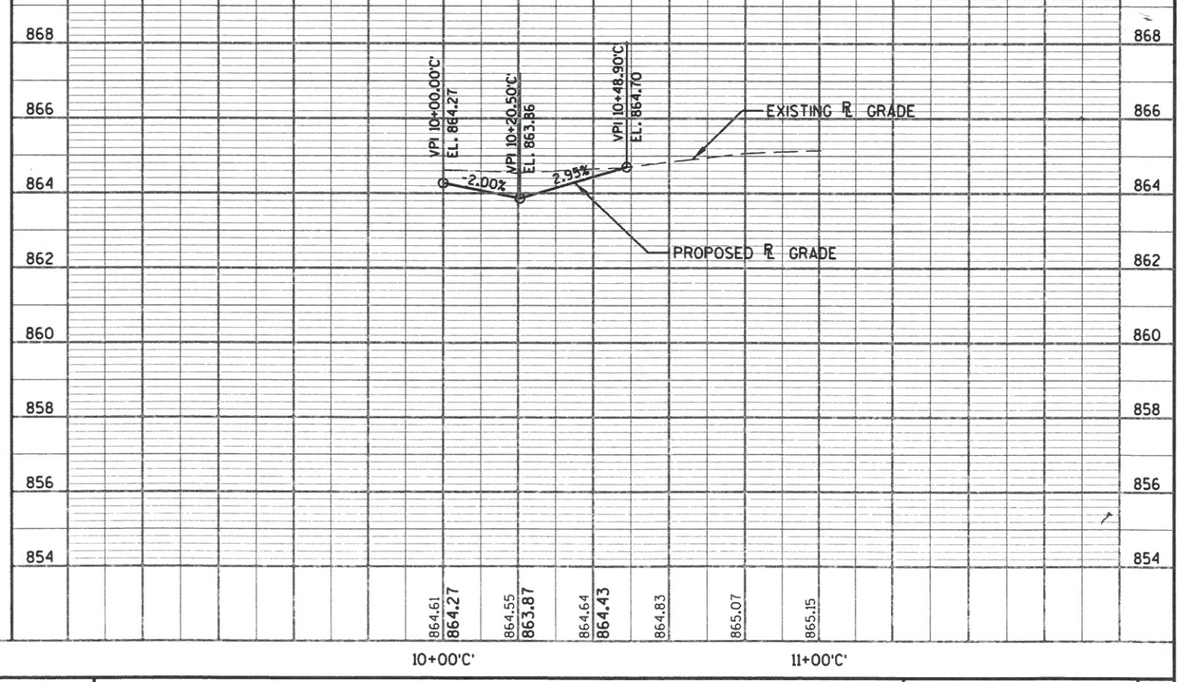
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\USH 14\050102_PP.DWG PLOT DATE : 8/27/2014 3:32 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1"=40'_XREF

WISDOT/CADDS SHEET 45







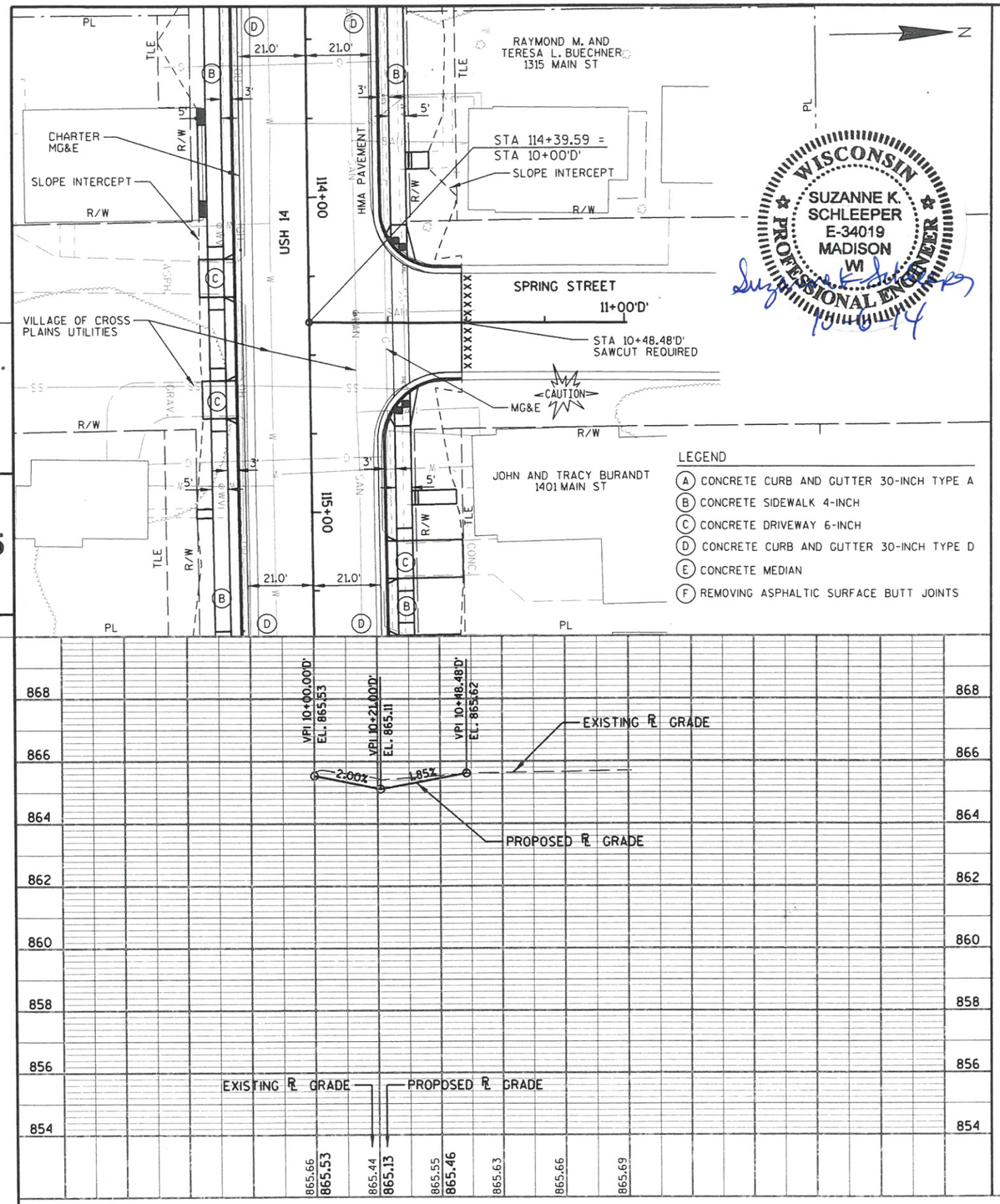


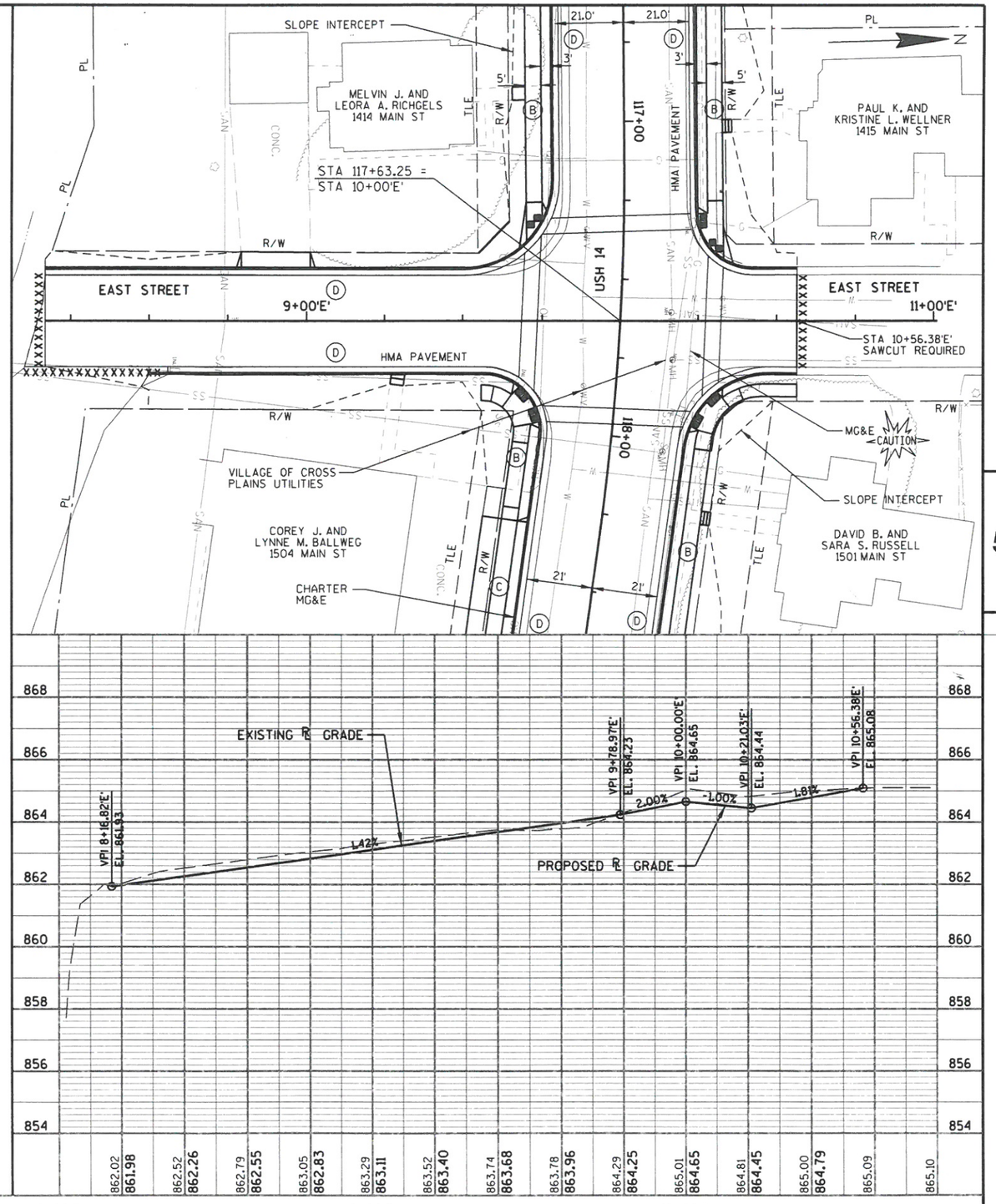
WISCONSIN PROFESSIONAL ENGINEER
SUZANNE K. SCHLEEPER
E-34019
MADISON
WI

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: WATER ST. & CENTER ST.	SHEET 298 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\050105_pp.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40



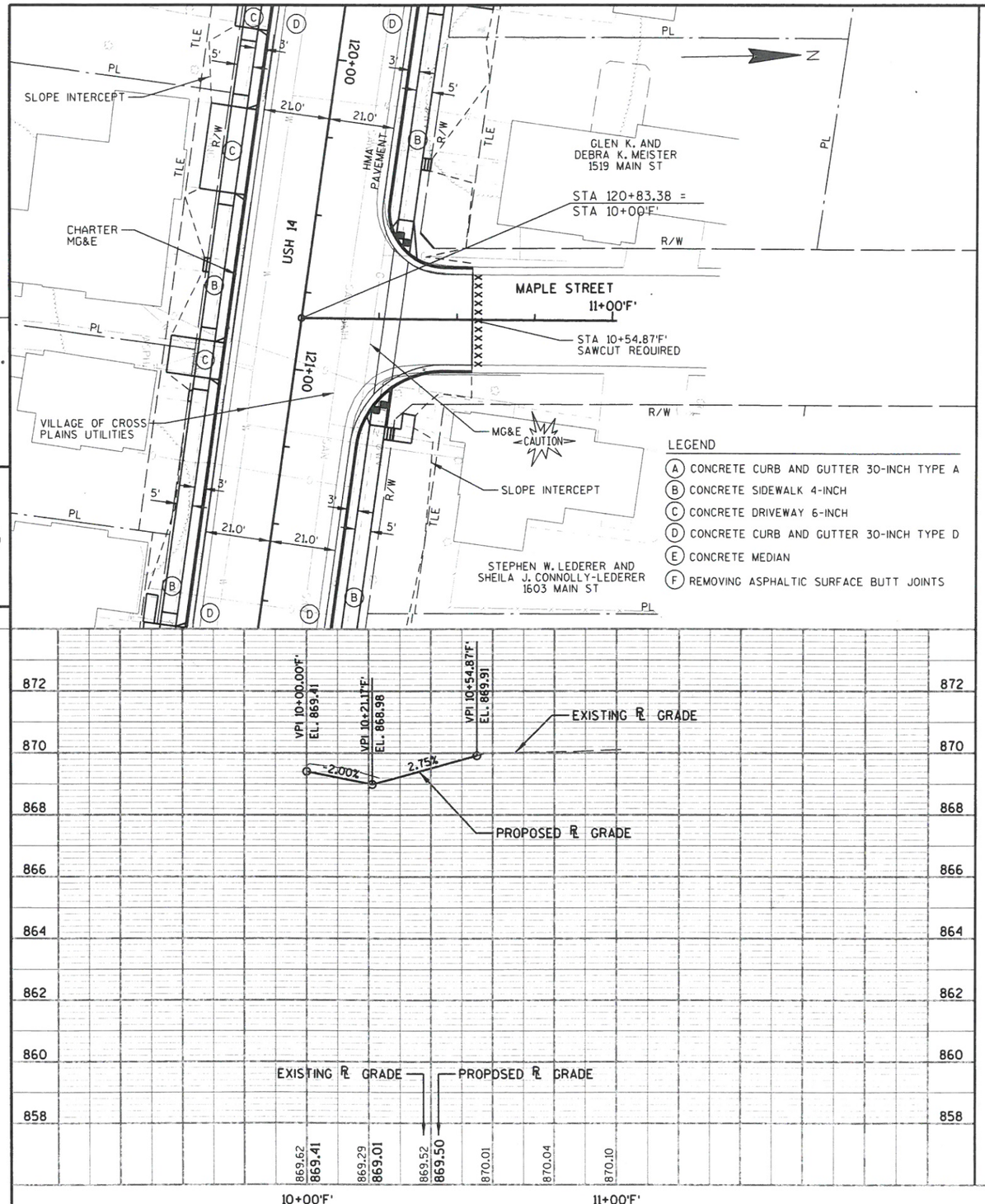


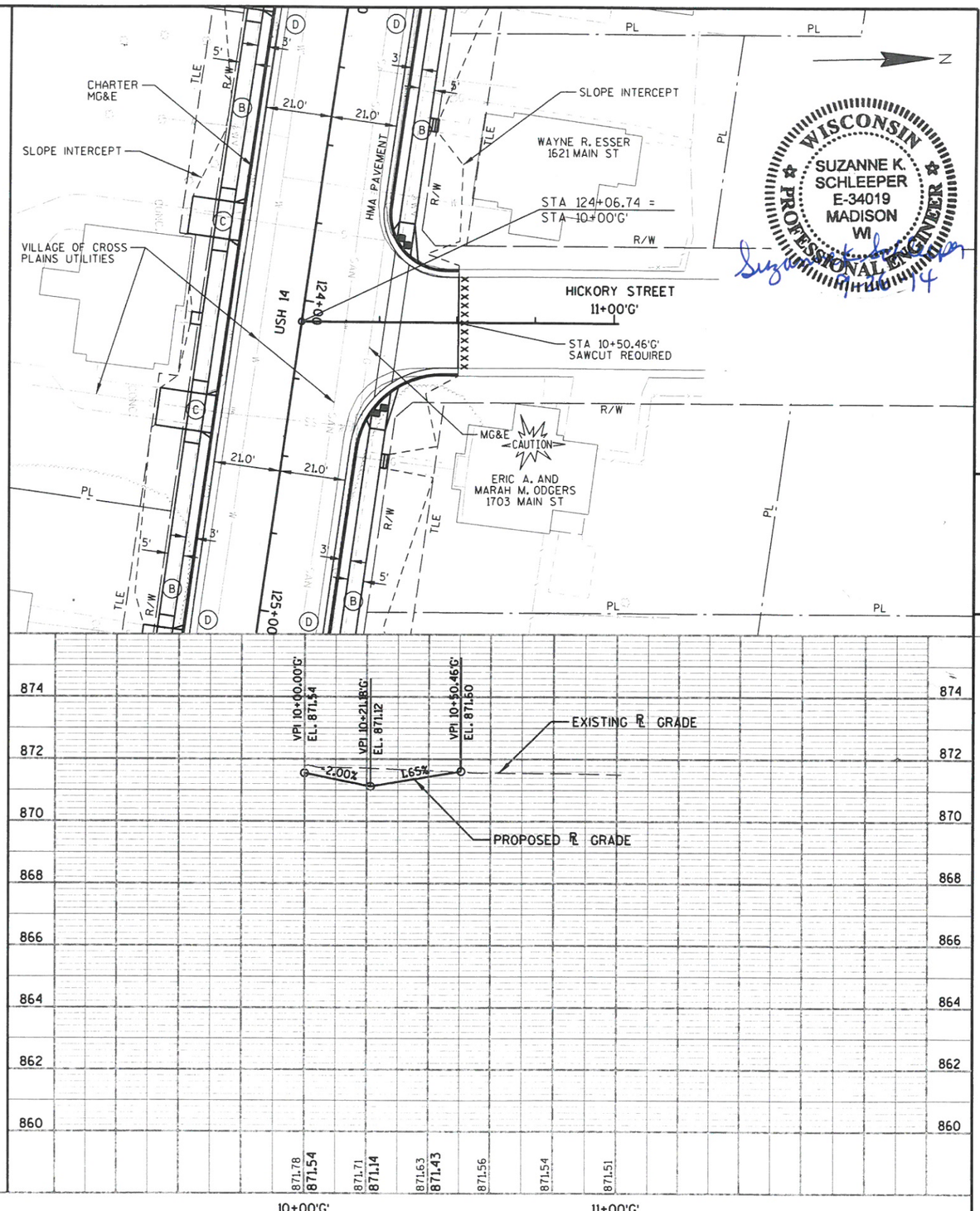
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SPRING ST. & EAST ST.	SHEET E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\050106_pp.dgn PLOT DATE : 10/8/2014 PLOT BY : $$...plotuser...,$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40





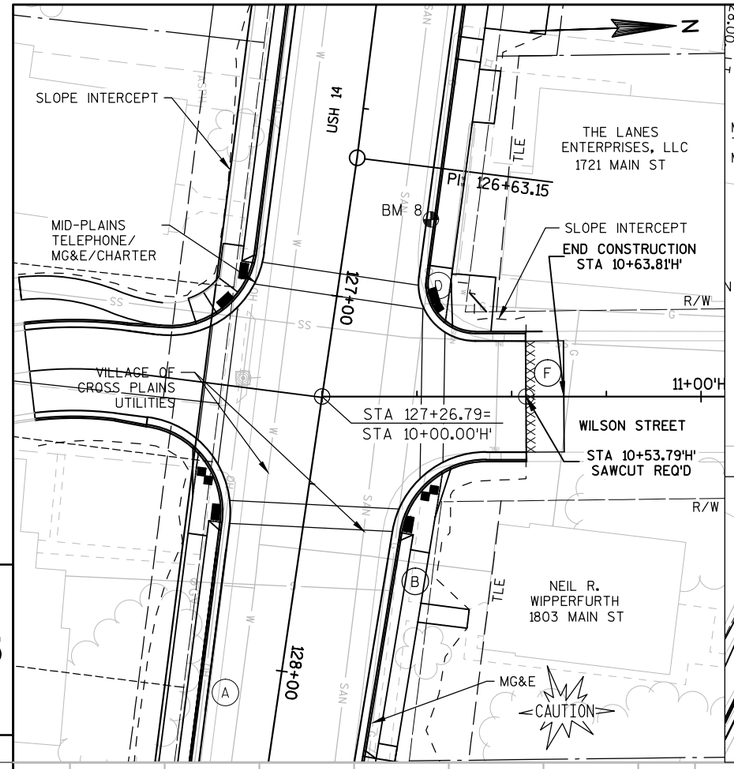
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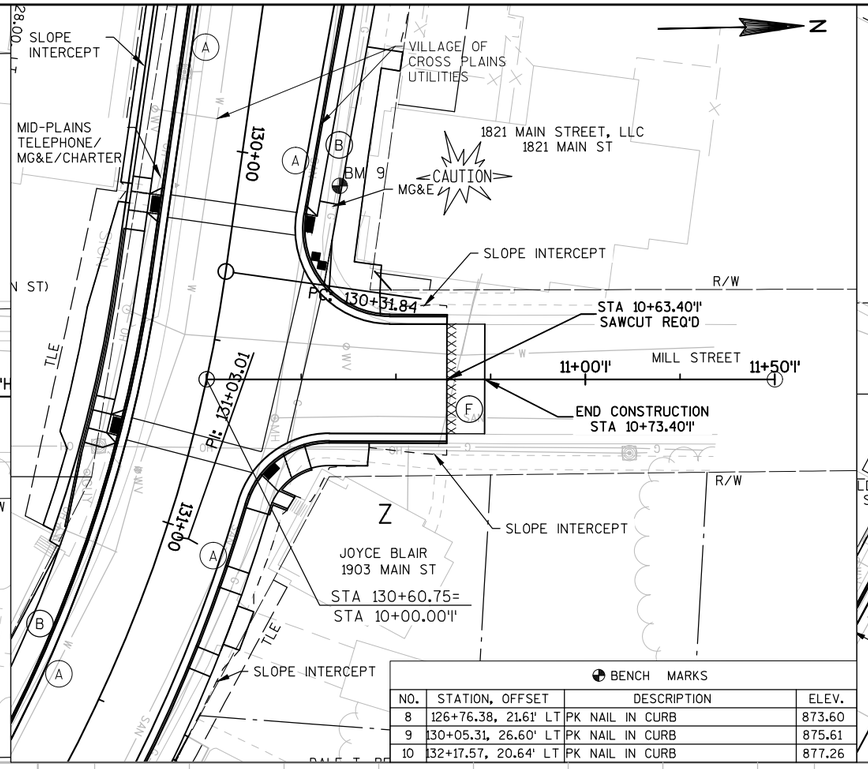
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: MAPLE ST. & HICKORY ST.	SHEET 300 E

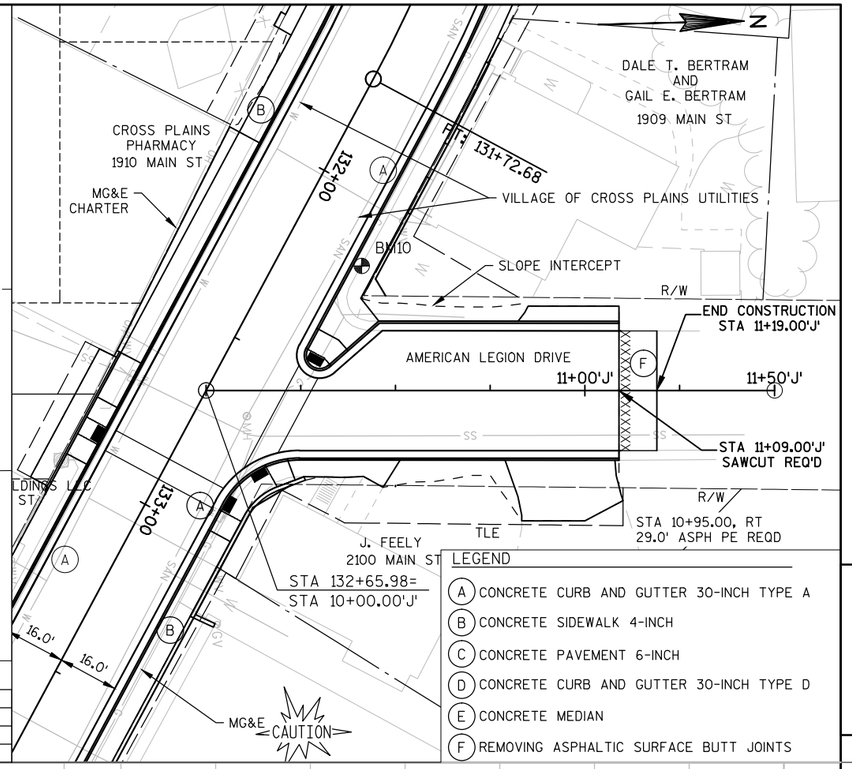
FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\050107_pp.dgn PLOT DATE : 9/25/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 40.0000 sf / in.

WISDOT/CADDS SHEET 40



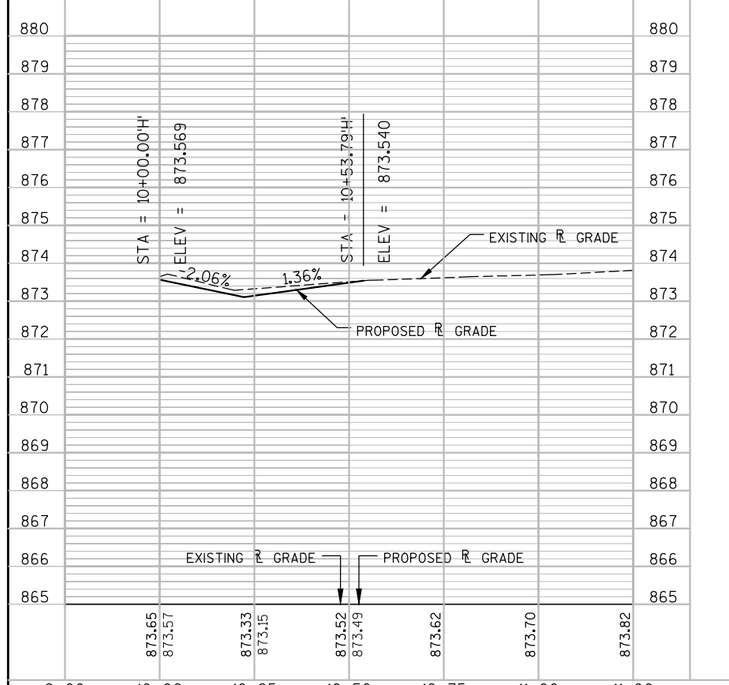


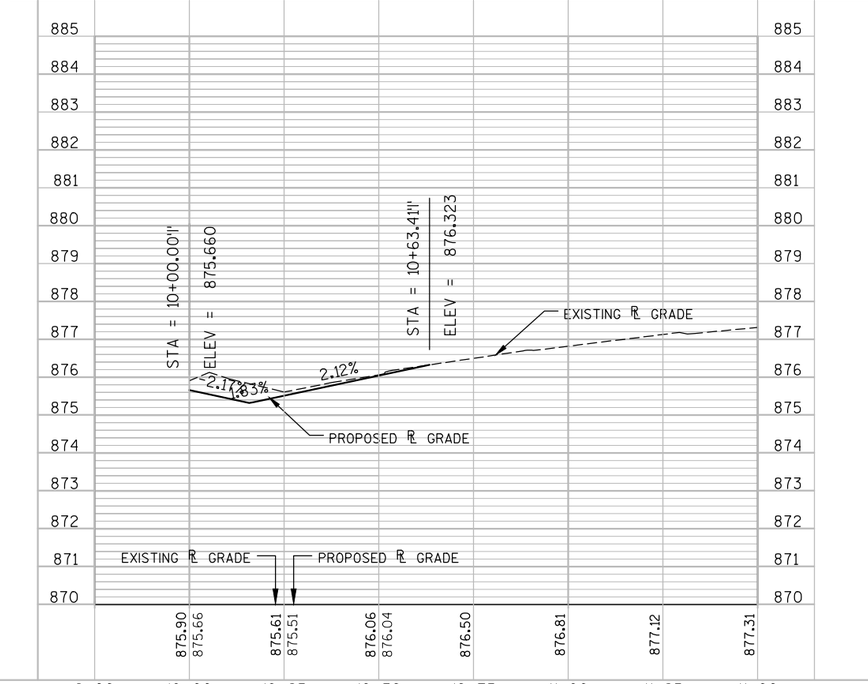
BENCH MARKS			
NO.	STATION, OFFSET	DESCRIPTION	ELEV.
8	126+76.38, 21.61' LT	PK NAIL IN CURB	873.60
9	130+05.31, 26.60' LT	PK NAIL IN CURB	875.61
10	132+17.57, 20.64' LT	PK NAIL IN CURB	877.26

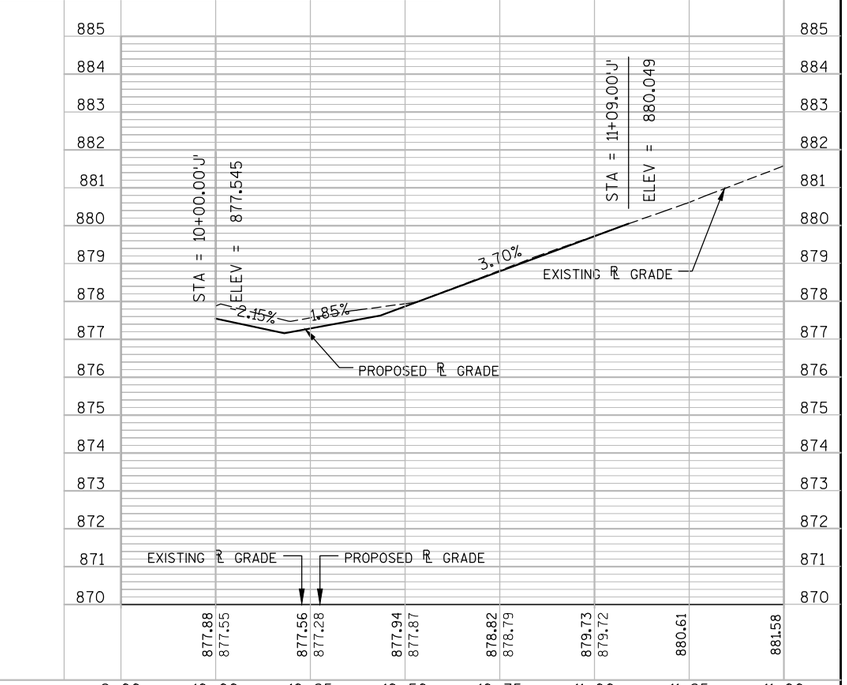


LEGEND

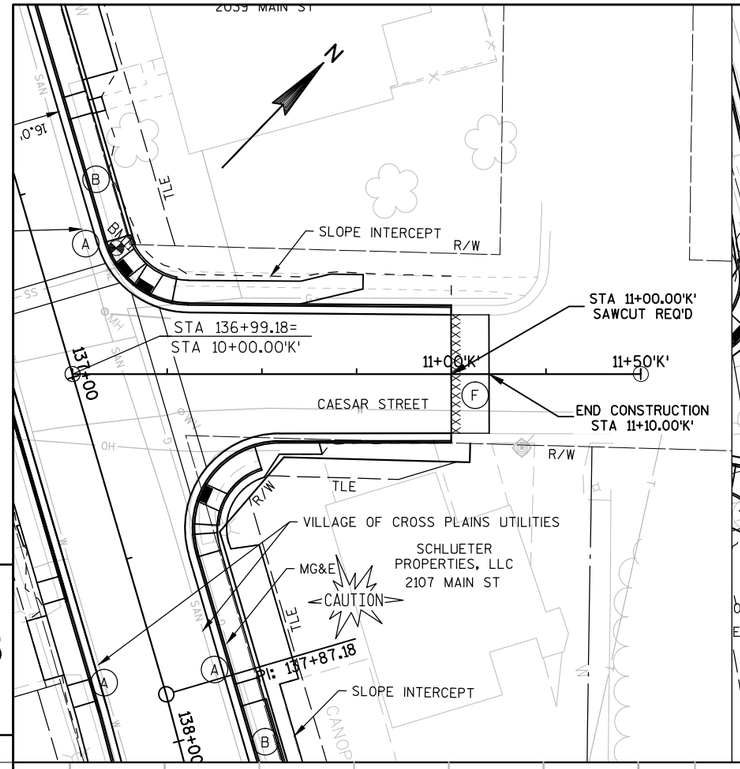
- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE PAVEMENT 6-INCH
- (D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (E) CONCRETE MEDIAN
- (F) REMOVING ASPHALTIC SURFACE BUTT JOINTS

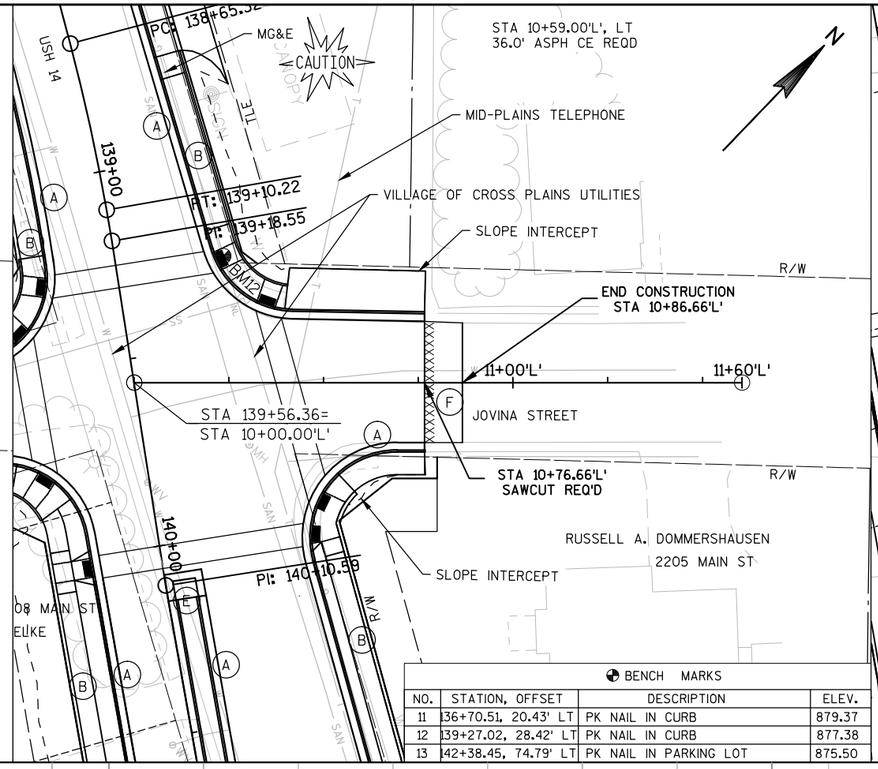


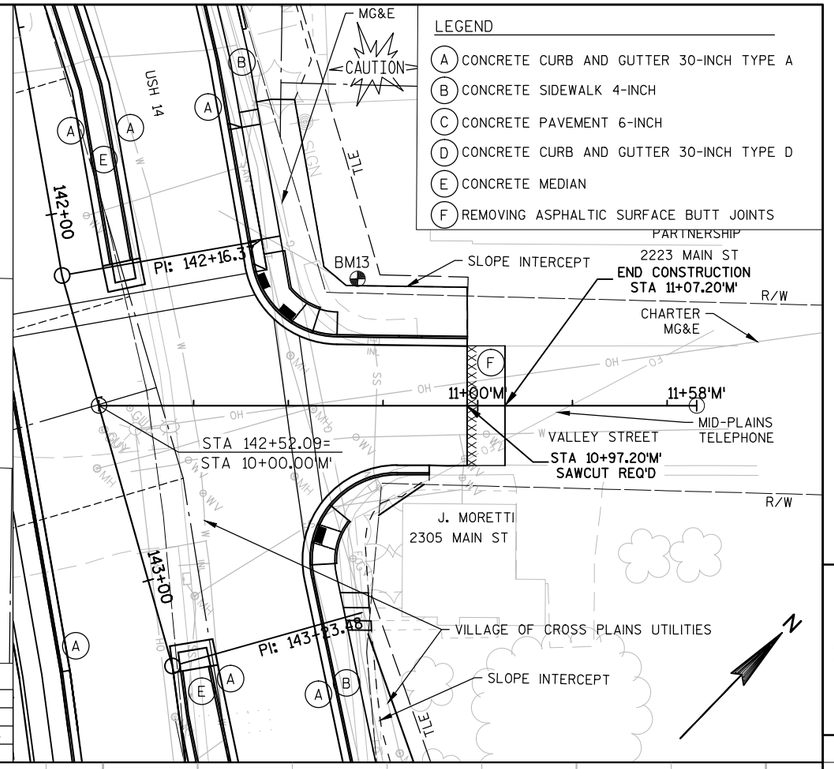




PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 301	E

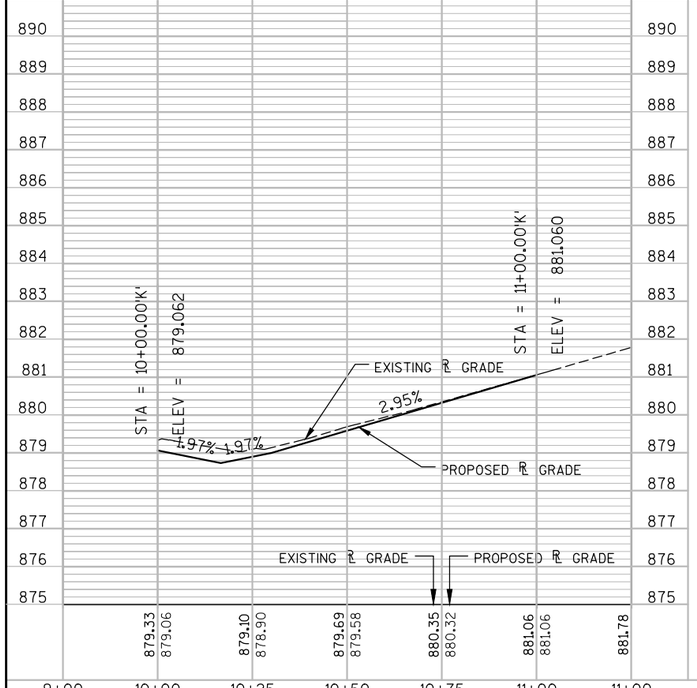


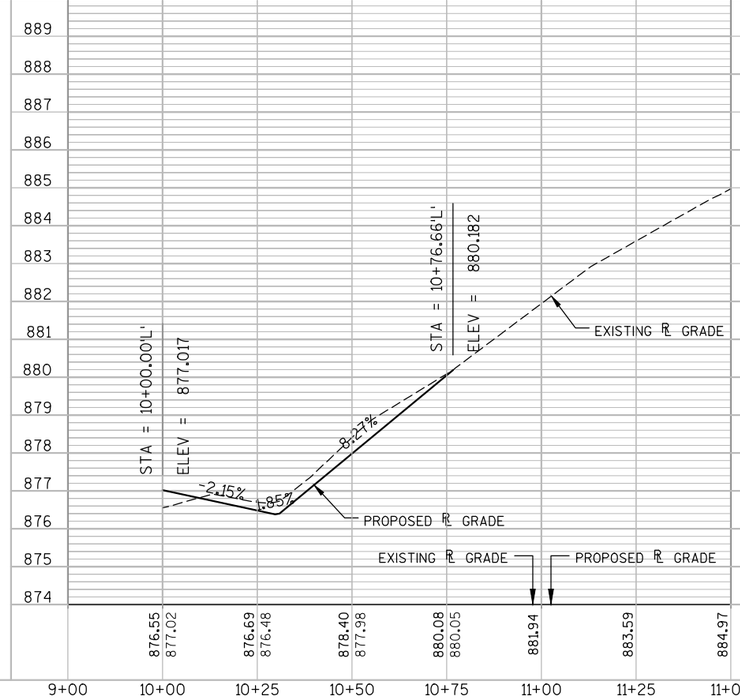


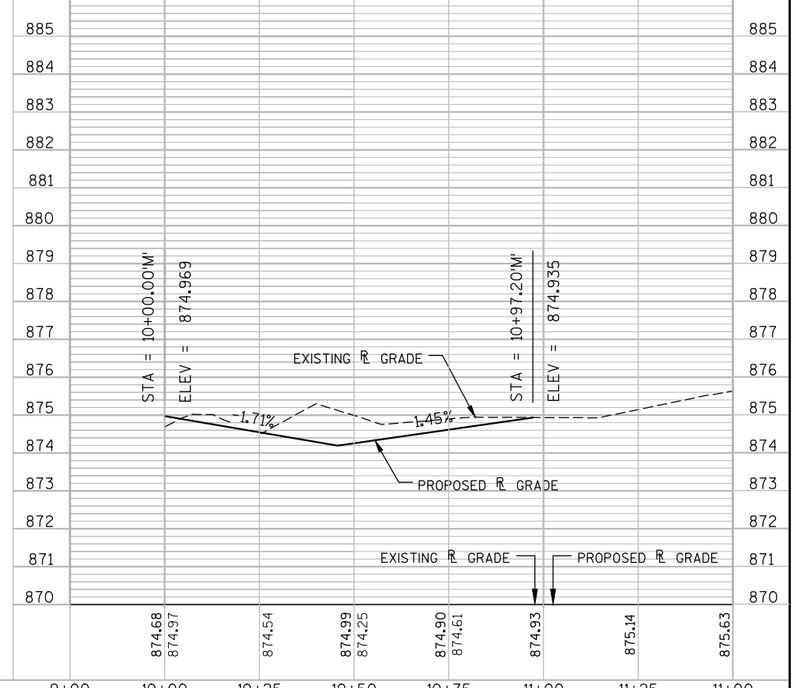


BENCH MARKS

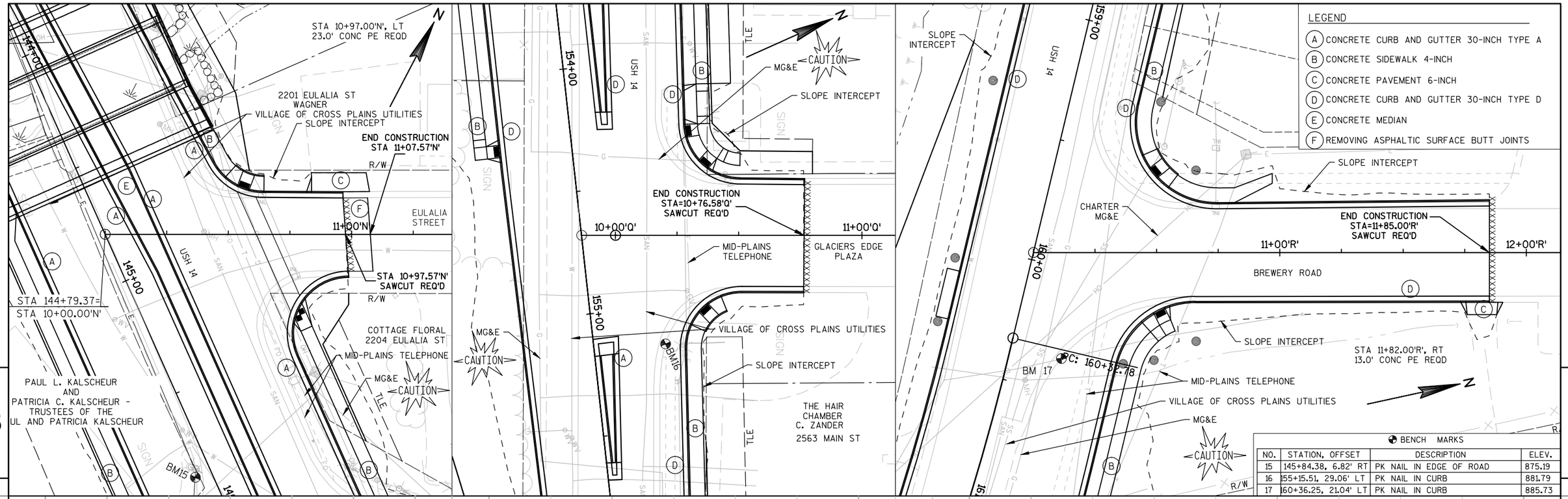
NO.	STATION, OFFSET	DESCRIPTION	ELEV.
11	136+70.51, 20.43' LT	PK NAIL IN CURB	879.37
12	139+27.02, 28.42' LT	PK NAIL IN CURB	877.38
13	142+38.45, 74.79' LT	PK NAIL IN PARKING LOT	875.50







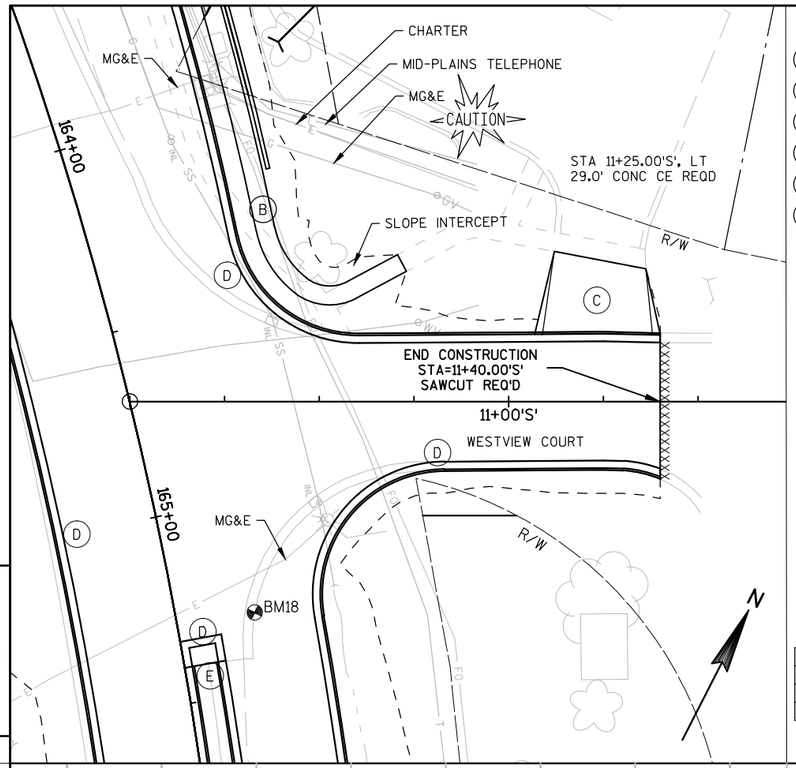
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 302	E



PROJECT NO:5310-02-70 | HWY: USH 14 | COUNTY: DANE | PLAN & PROFILE: USH 14 | SHEET 303 E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\050103_PP.DWG PLOT DATE : 8/27/2014 3:34 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 45

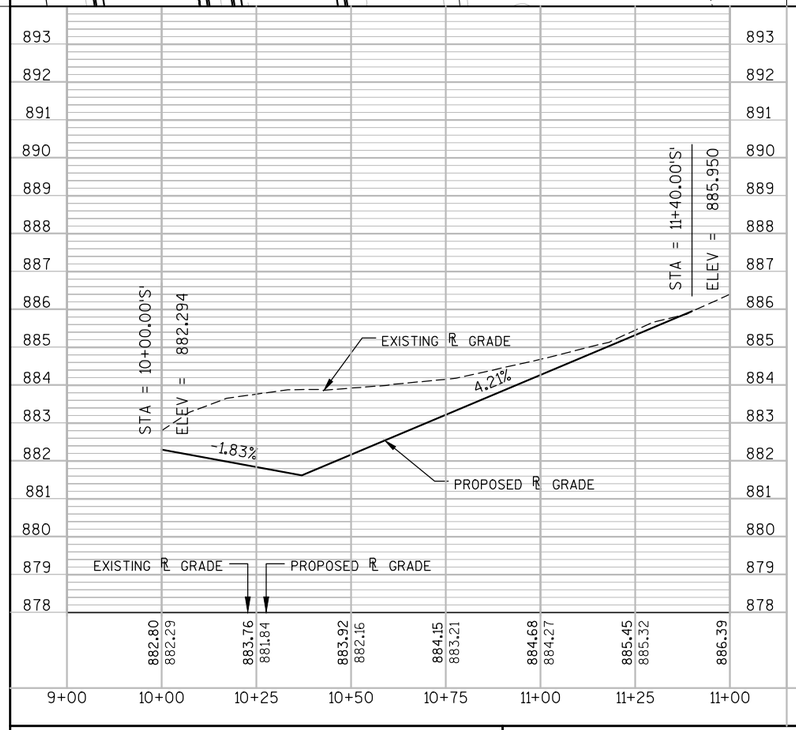


LEGEND

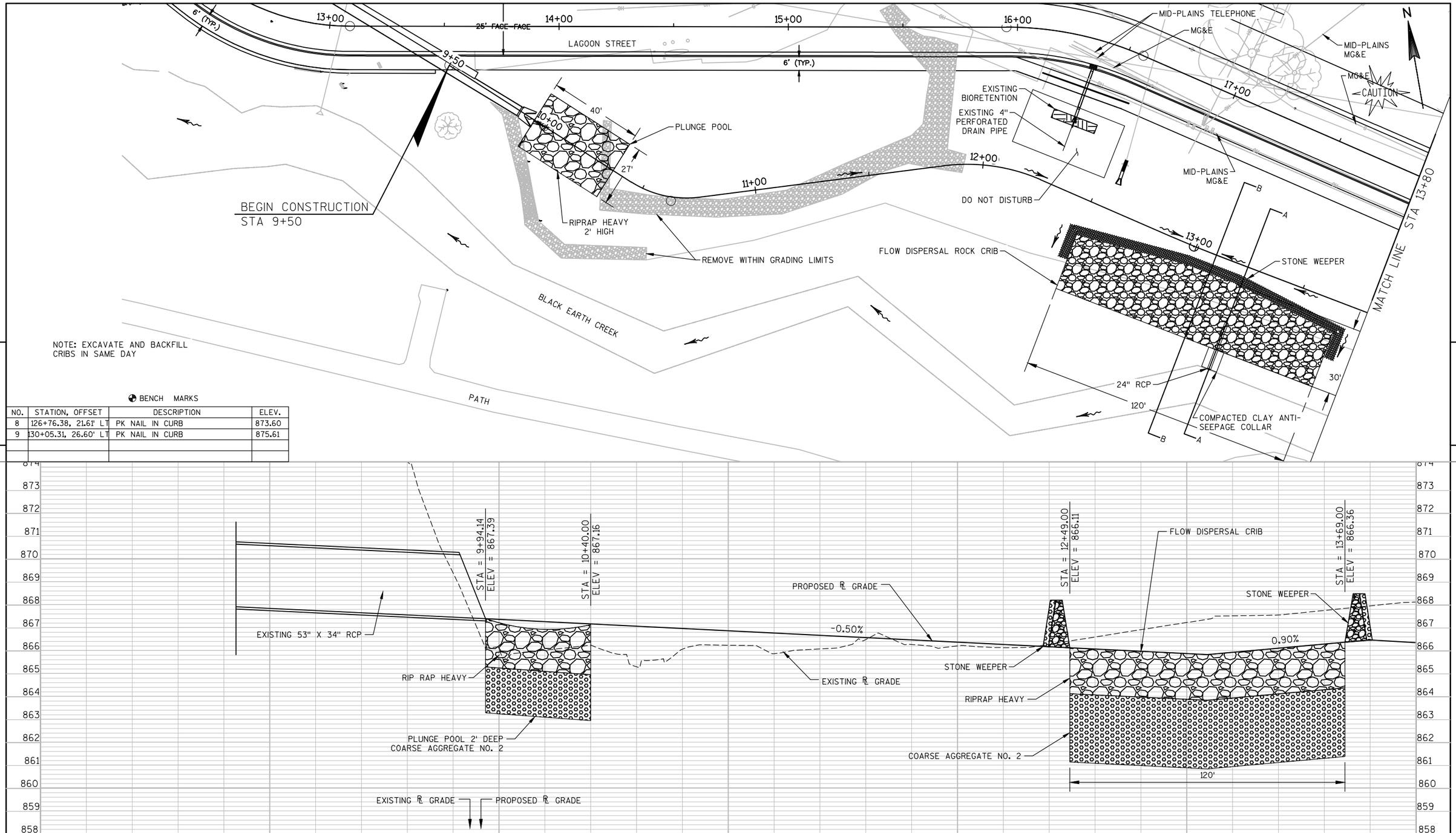
- (A) CONCRETE CURB AND GUTTER 30-INCH TYPE A
- (B) CONCRETE SIDEWALK 4-INCH
- (C) CONCRETE PAVEMENT 6-INCH
- (D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (E) CONCRETE MEDIAN
- (F) REMOVING ASPHALTIC SURFACE BUTT JOINTS

BENCH MARKS

NO.	STATION, OFFSET	DESCRIPTION	ELEV.
18	165+29.51, 20.65' LT	PK NAIL IN CURB	884.25



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: USH 14	SHEET 304	E



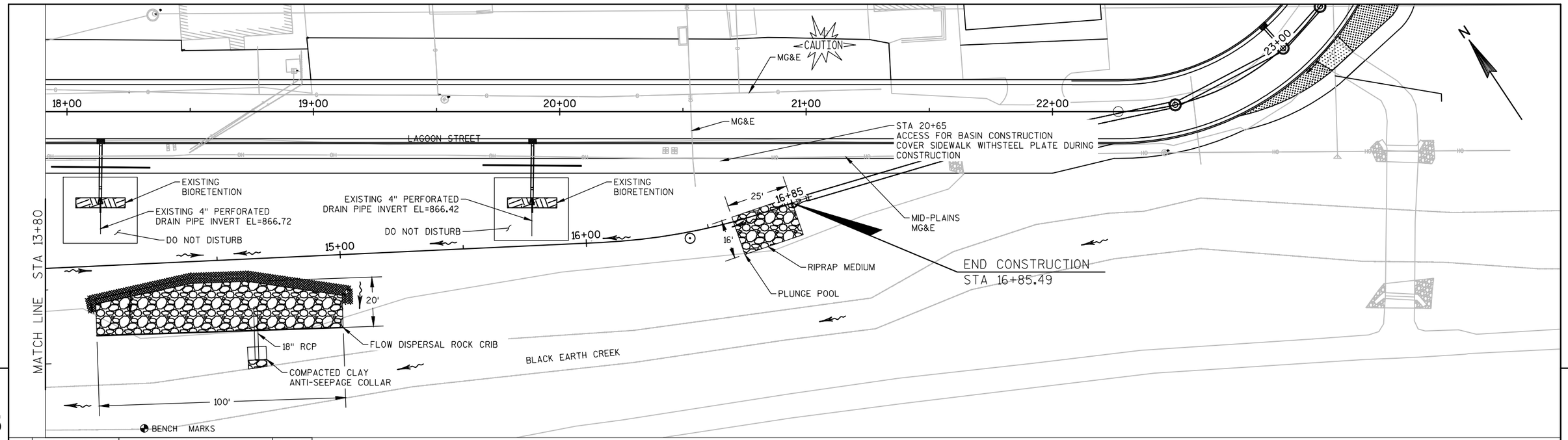
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5

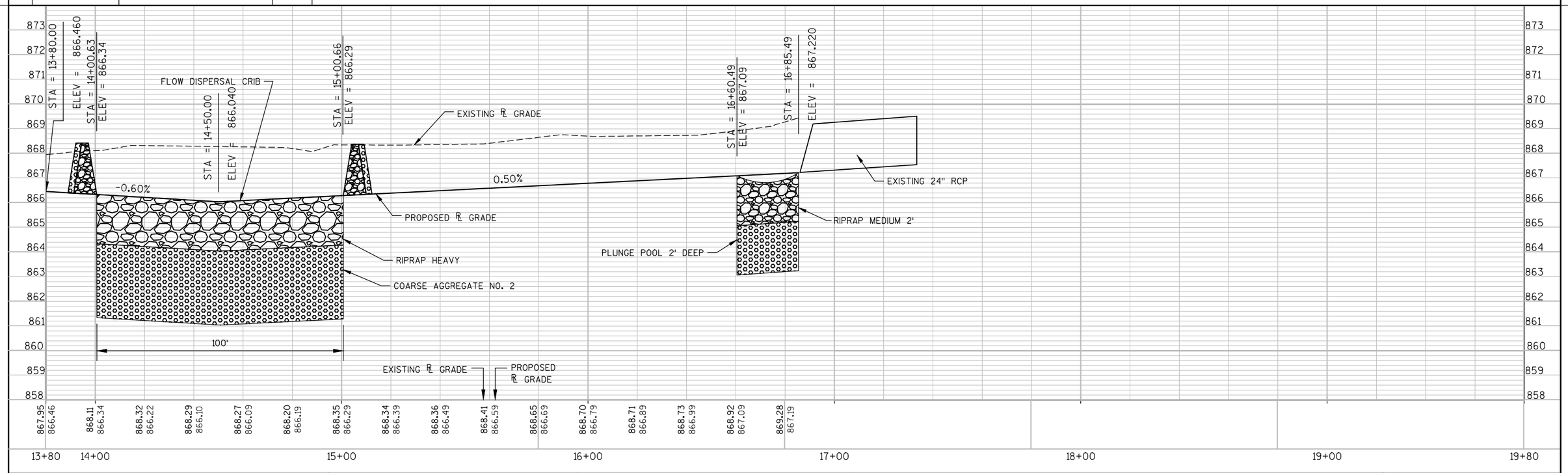
BENCH MARKS

NO.	STATION, OFFSET	DESCRIPTION	ELEV.
8	126+76.38, 21.61' LT	PK NAIL IN CURB	873.60
9	130+05.31, 26.60' LT	PK NAIL IN CURB	875.61

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: STORM WATER FACILITY	SHEET 305	E



NO.	STATION, OFFSET	DESCRIPTION	ELEV.
10	132+17.57 20.64' LT	PK NAIL IN CURB	877.26'
11	136+70.51 20.43' LT	PK NAIL IN CURB	879.37'



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN & PROFILE: STORM WATER FACILITY	SHEET 306	E

N

TLE

R/W

153+00

154+00

16.00'

10.00'

CONCRETE
DRIVEWAY
6-INCH

R9.00

STA 152+41.61
68.69' RT

45.50'

STA 152+04.96
97.43' RT

STA 152+11.68
99.62' RT

R5.00

R13.00

STA 152+83.95'
102.87' RT

51.00'

22.75'

40.00'

STA 152+63.74
124.74' RT

STA 152+28.09
142.89' RT

25.00'

STA 152+91
125' RT

TIMBER STAIRS
(SEE DETAIL)

RIPRAP MEDIUM

STA 153+05
159' RT

WETLAND BOUNDARY

PARKING AREA
(4" BASE AGGREGATE DENSE 3/4-INCH OVER
12" BASE AGGREGATE DENSE 1 1/4-INCH)

PL

R/W

5

5

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PLAN - BLACK EARTH CREEK FISHERY	SHEET 307	E

Standard Detail Drawing List

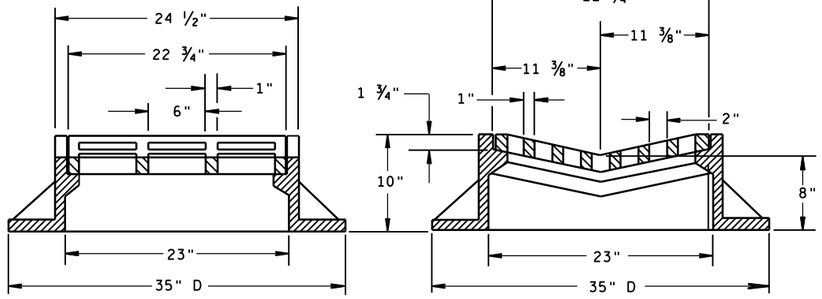
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-15A	CURB RAMPS TYPES 1 AND 1-A
08D05-15B	CURB RAMPS TYPES 2 AND 3
08D05-15C	CURB RAMPS TYPES 4A AND 4A1
08D05-15D	CURB RAMPS TYPE 4B AND 4B1
08D05-15E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09B02-08	CONDUIT UNDER PAVED HIGHWAYS
09B04-11	PULL BOX
09C02-06	CONCRETE BASES, TYPES 1, 2 & 5
09C03-03	TRANSFORMER/PEDESTAL BASES
09C05-08	CONCRETE CONTROL CABINET BASES
09C06-06	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09D01-04	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-02	SIGNAL OR LIGHTING CONTROL CABINET
09E01-12A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-12B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-12C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-12G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-05	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F04-03	LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX
09F05-03	LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX (MULTIPLE LEAD-OUT)
09F08-03	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F09-03	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
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
10A01-02	ELECTRICAL HANDHOLE WIRING
10A02-02	IDENTIFICATION PLAQUES LIGHT POLES
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13B02-07A	CONCRETE BRIDGE APPROACH
13B02-07B	STRUCTURAL APPROACH SLAB AND CONCRETE BRIDGE APPROACH
13C01-16	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C18-02A	CONCRETE PAVEMENT JOINTING
13C18-02B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-02C	CONCRETE PAVEMENT JOINT TIES
13C18-02D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B03-13A	FENCE CHAIN LINK
15B03-13B	FENCE CHAIN LINK
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)

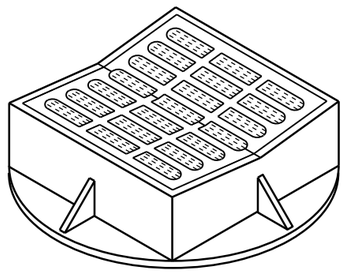
6

Standard Detail Drawing List

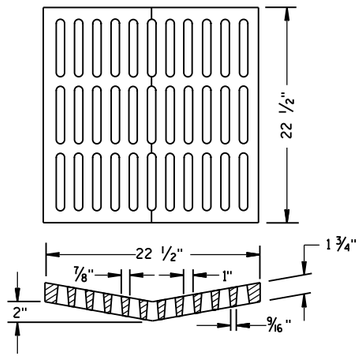
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

6



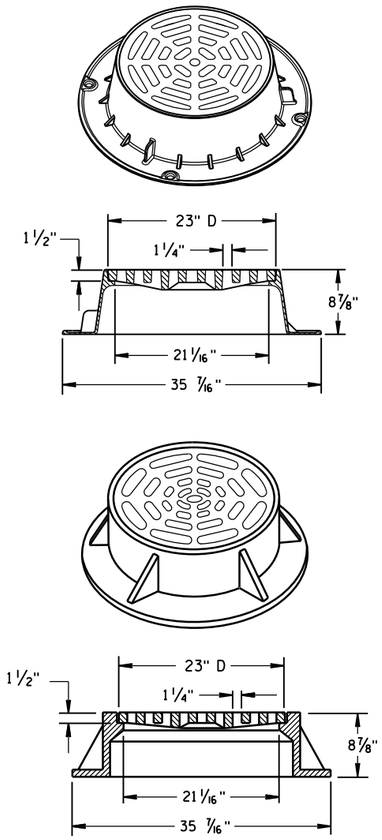


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

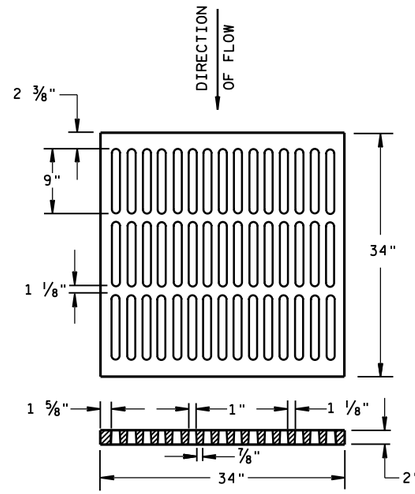
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

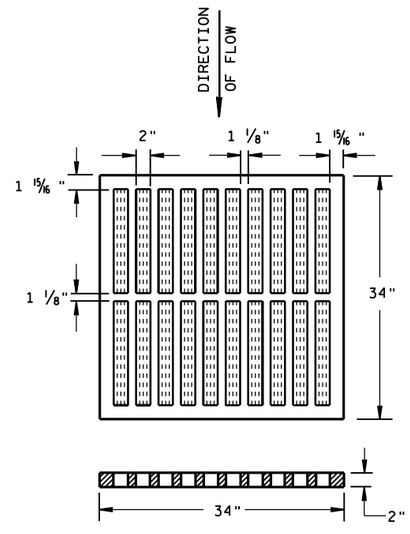
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



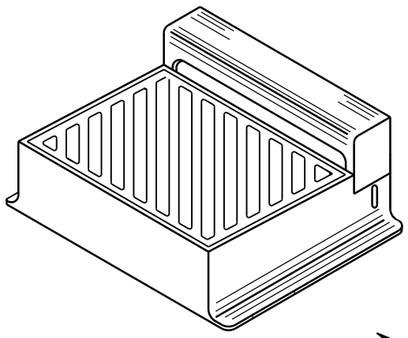
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

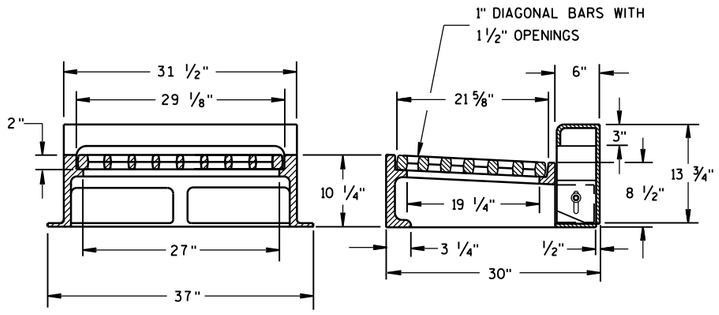


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

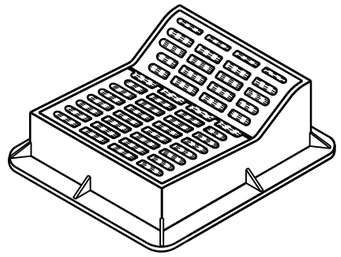
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

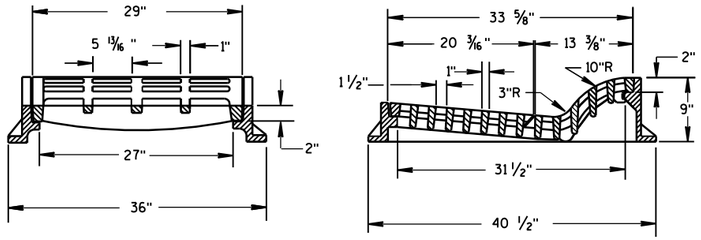
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

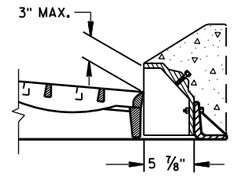
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

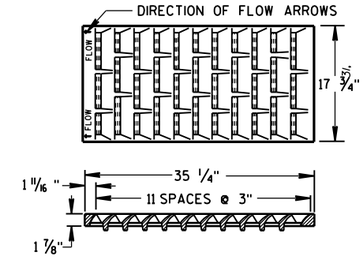
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

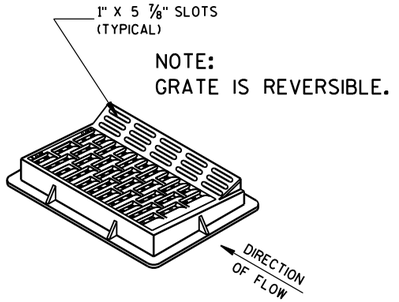
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

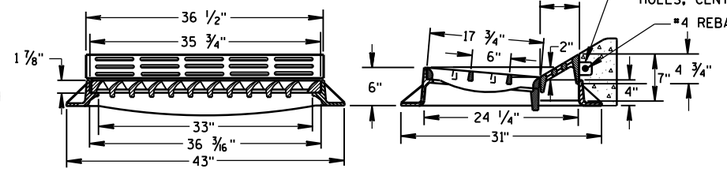
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



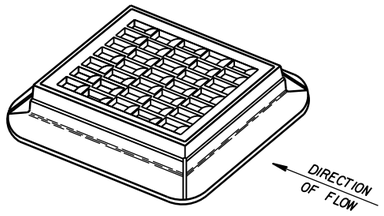


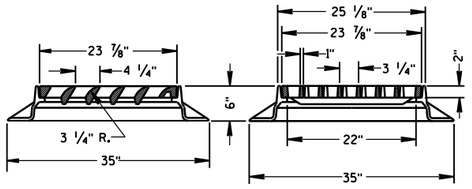


TYPE "HM"

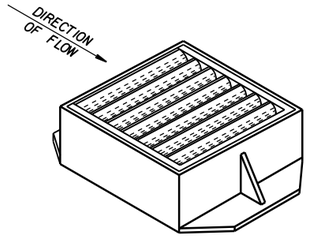
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

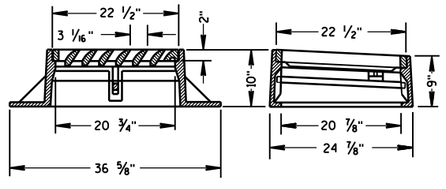
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



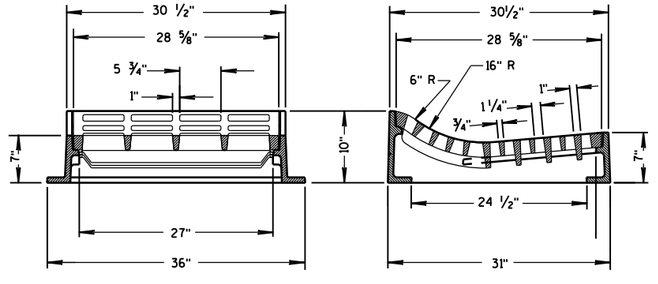


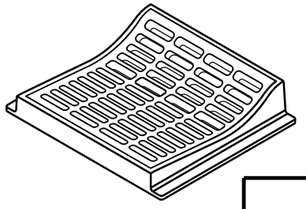
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

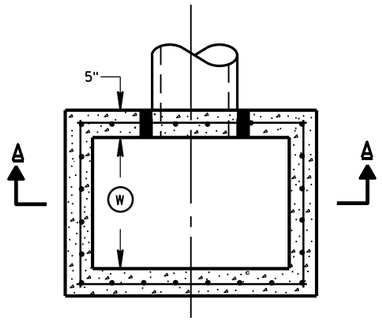
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

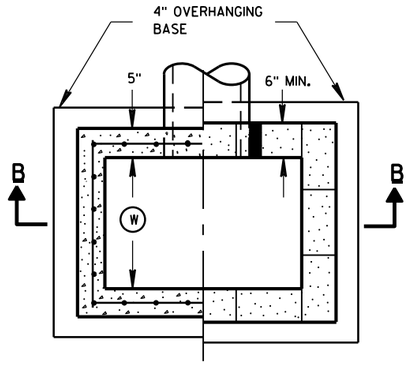
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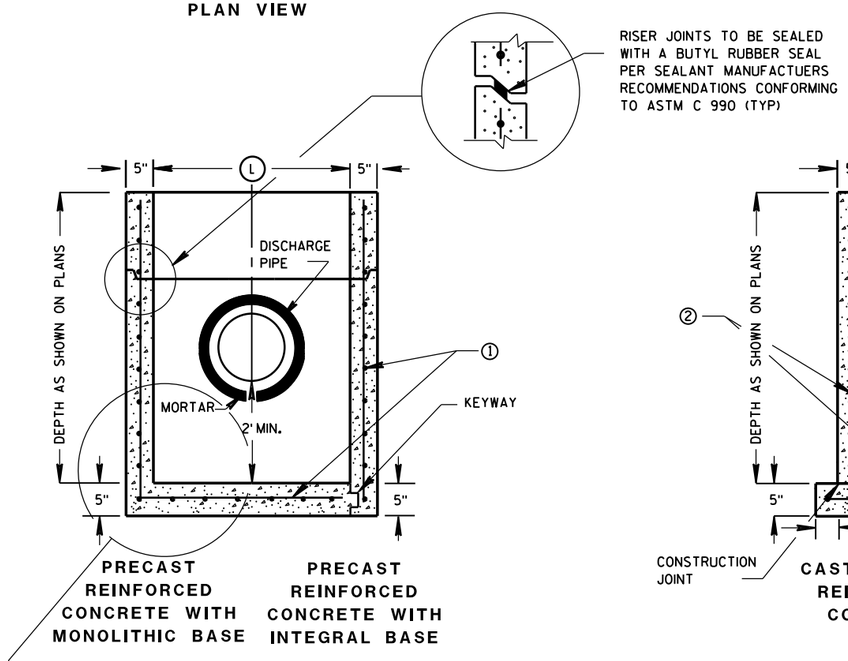
S.D.D. 8 A 5-19c



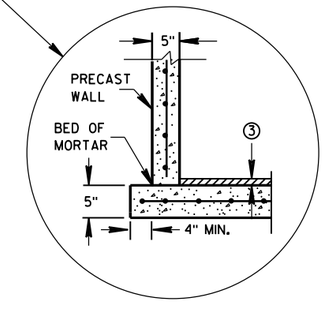
PLAN VIEW



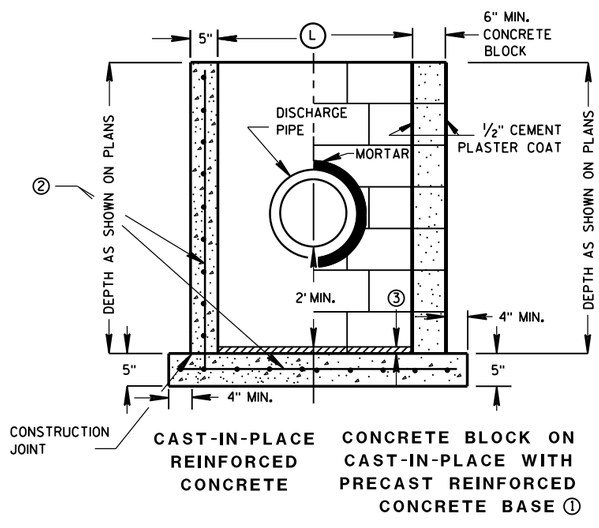
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

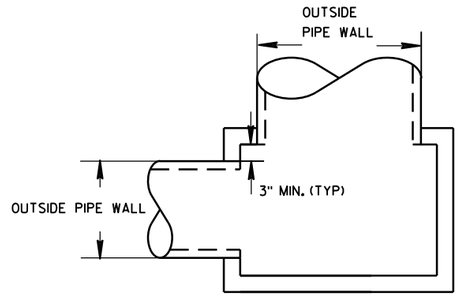
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



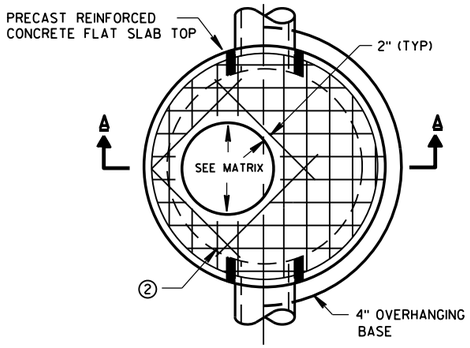
DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

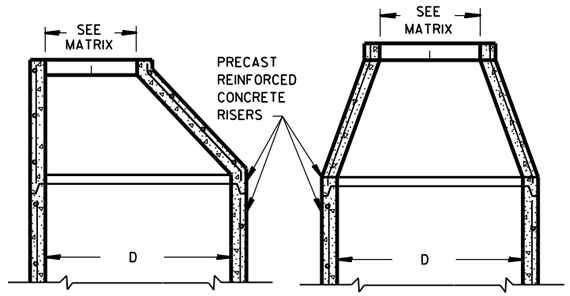
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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S.D.D. 8 A 9-1

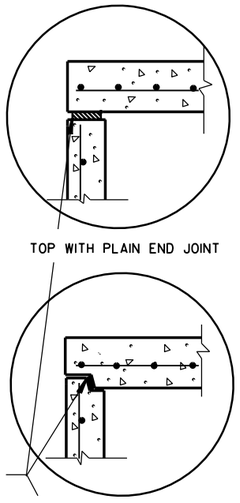


PLAN VIEW CIRCULAR OPENING



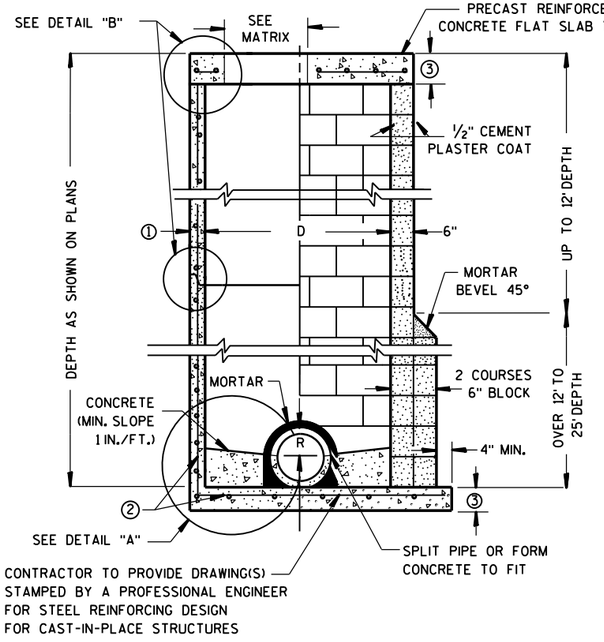
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



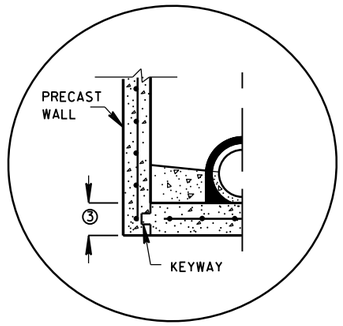
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

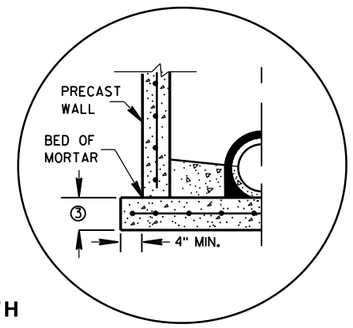


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

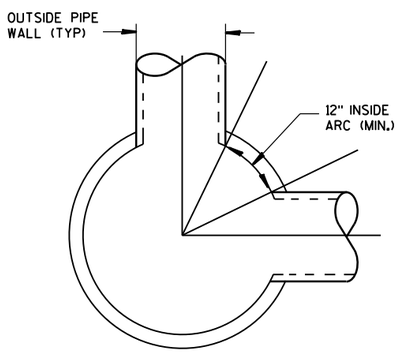


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF 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 SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

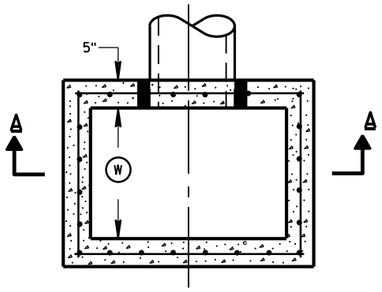
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

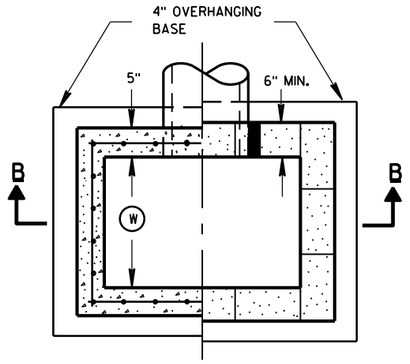
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

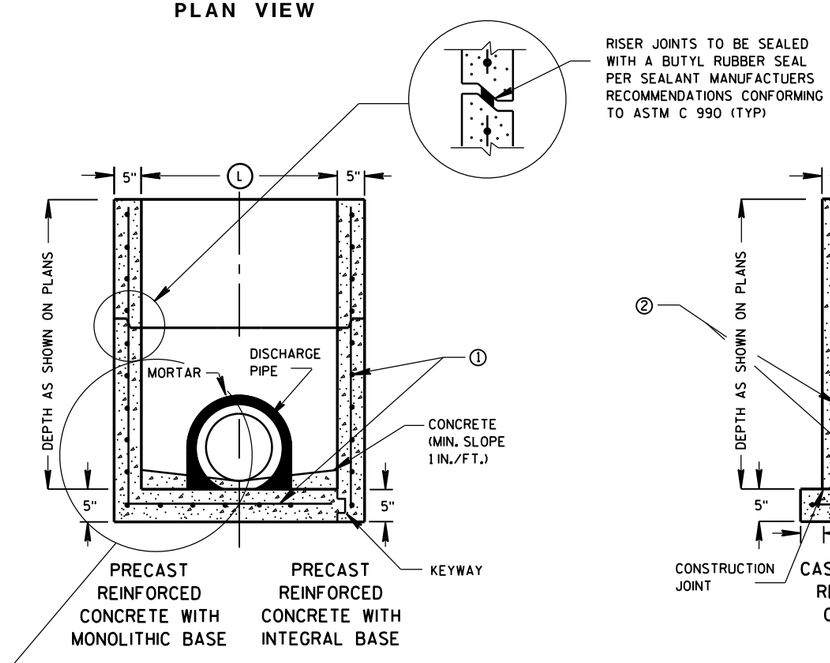
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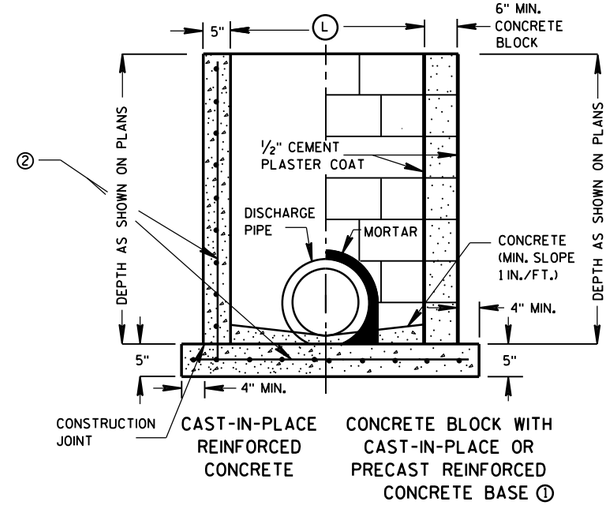
PLAN VIEW



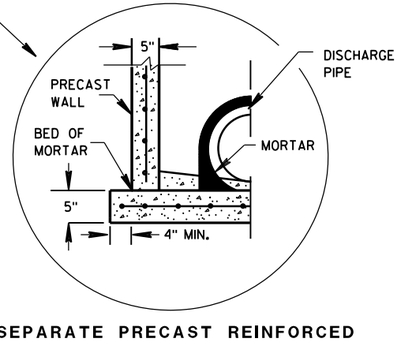
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 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.

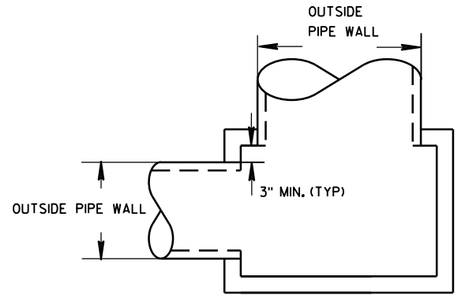
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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"

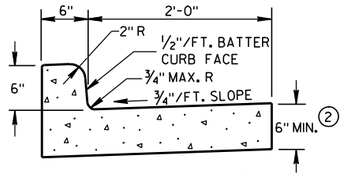
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

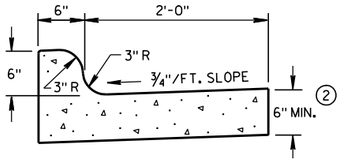
APPROVED
6/5/2012
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DE ENGINEER
FHWA

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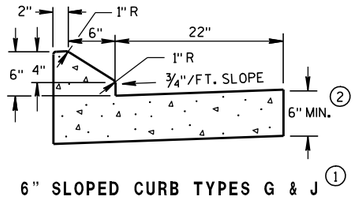
S.D.D. 8 C 7-1



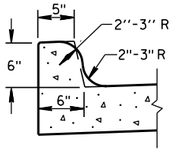
TYPES A & D (1)



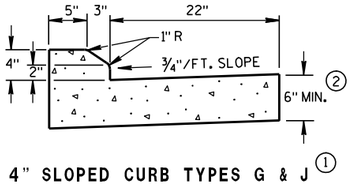
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

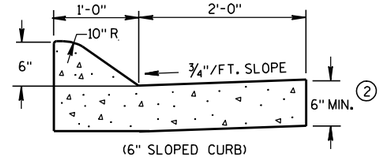


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

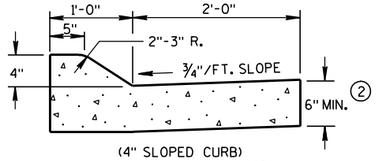


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

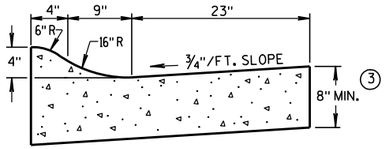


(6" SLOPED CURB)



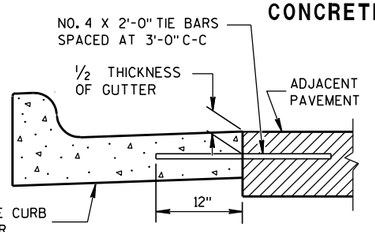
(4" SLOPED CURB)

TYPES A & D (1)

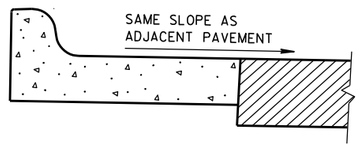


4" SLOPED CURB TYPES R & T (1) (4)

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.

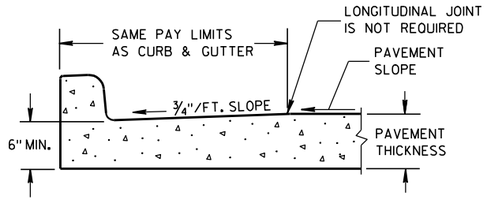
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(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.

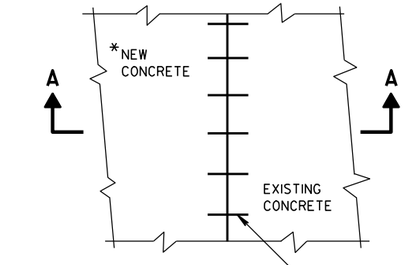
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

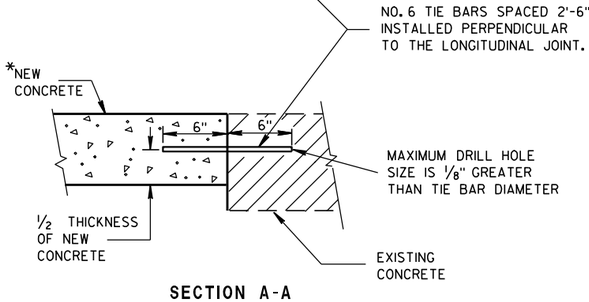


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



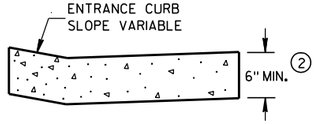
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

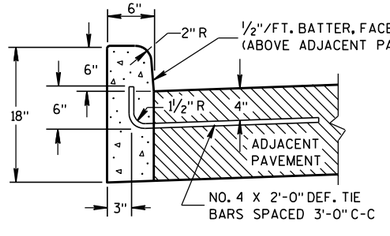


SECTION A-A

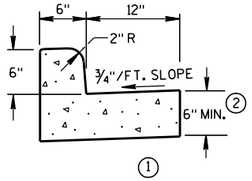
TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

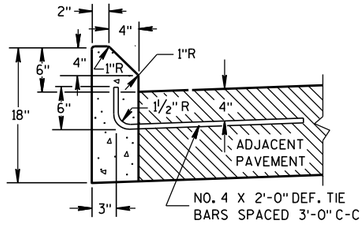


(1) TYPES A & D

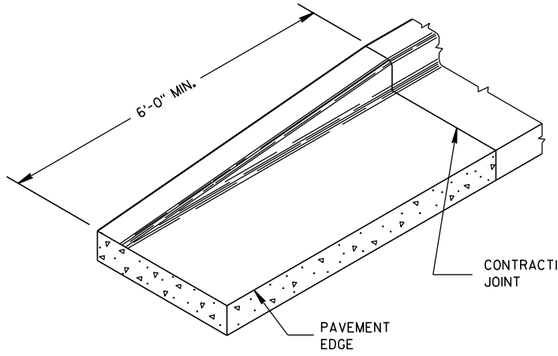


(1) TYPES A & D

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

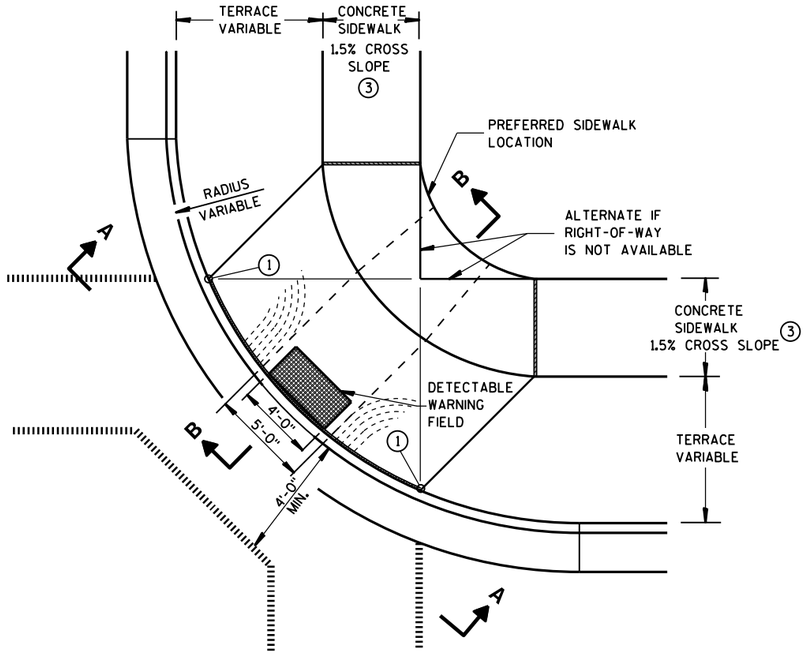
APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 D 1-17

6

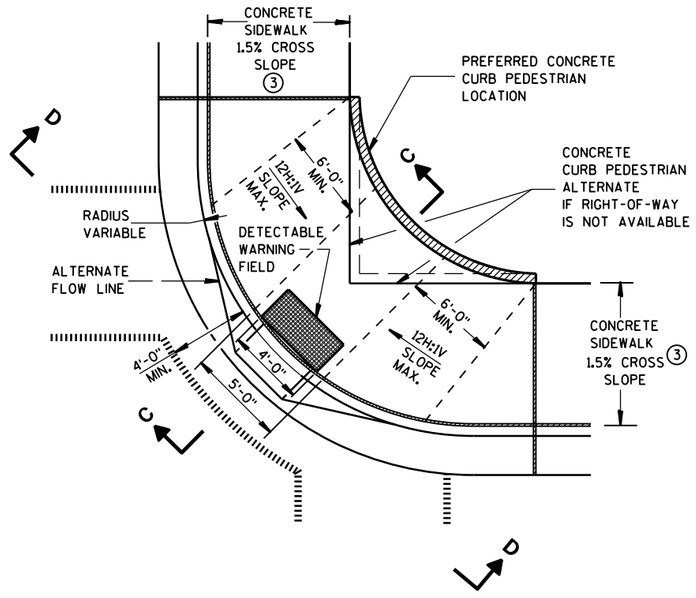
S.D.D. 8 D 1-17



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

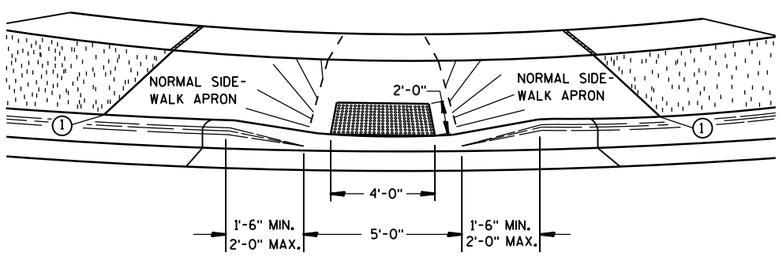
① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

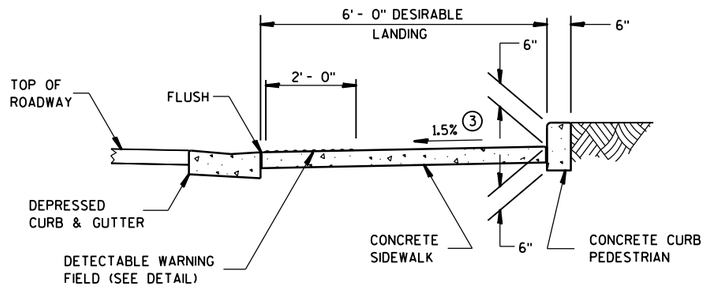
③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

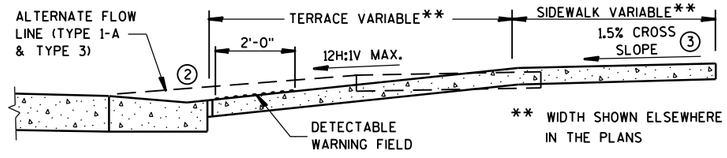
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



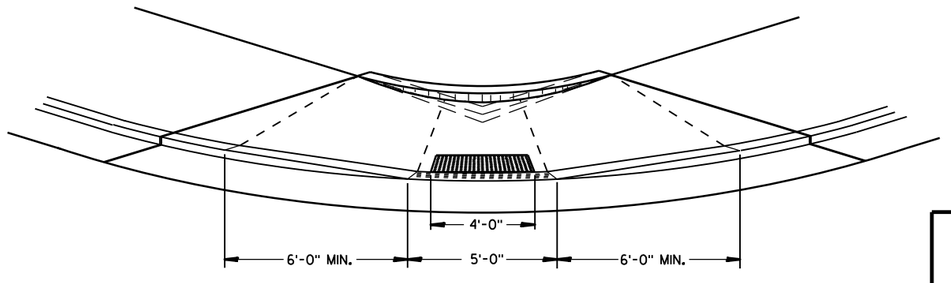
VIEW A-A



SECTION C-C



SECTION B-B



VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

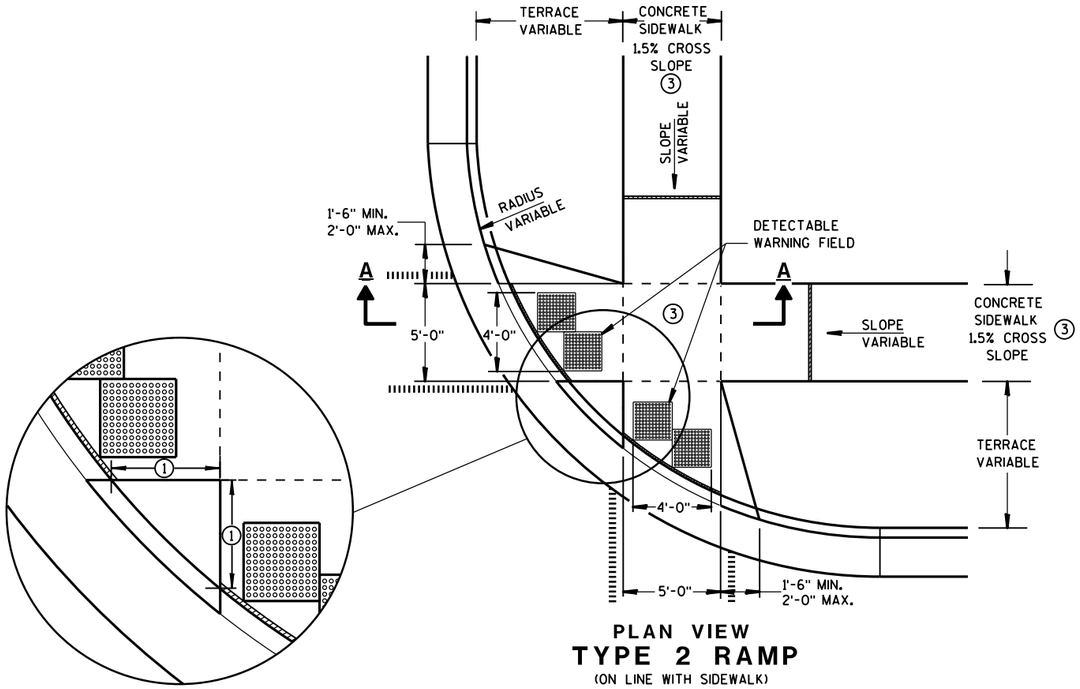
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15a

6

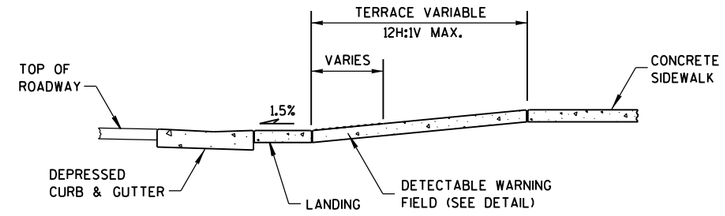
S.D.D. 8 D 5-15a



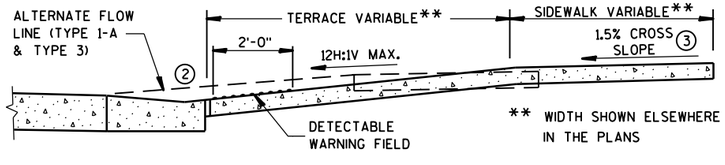
PLAN VIEW

TYPE 2 RAMP

(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

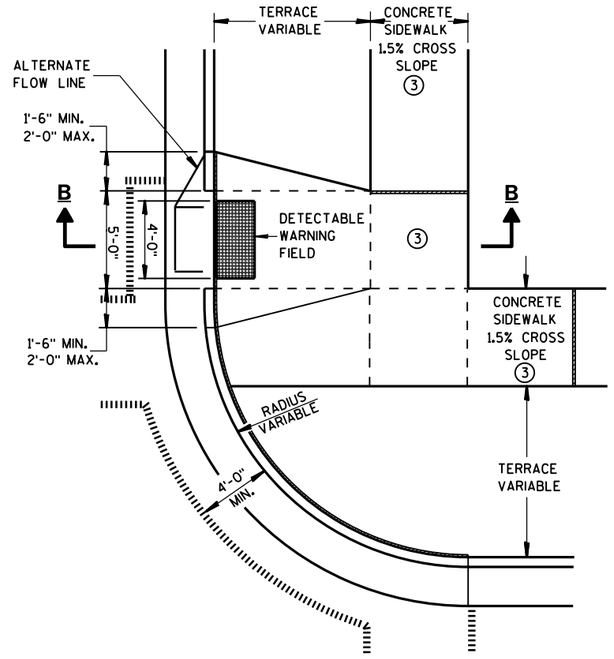
① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

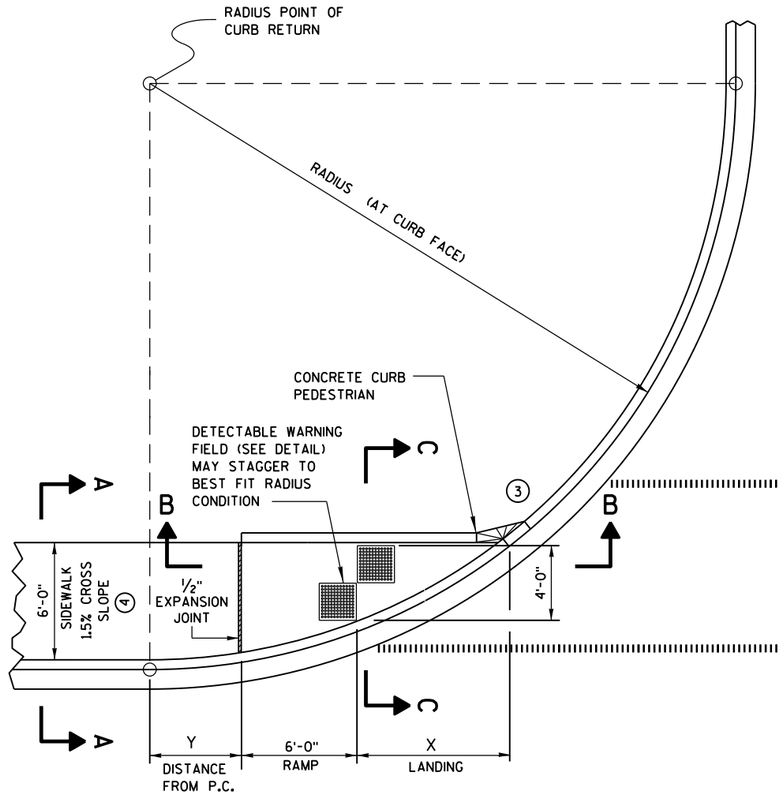
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

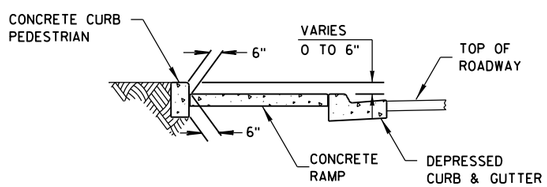
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

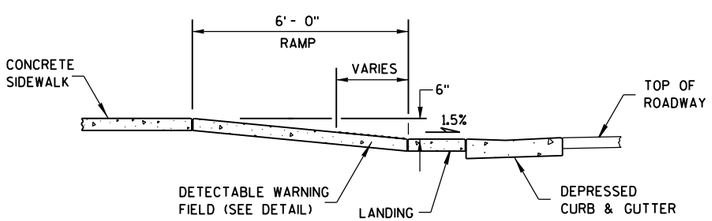
S.D.D. 8 D 5-15b



CURB RAMP TYPE 4A
PLAN VIEW



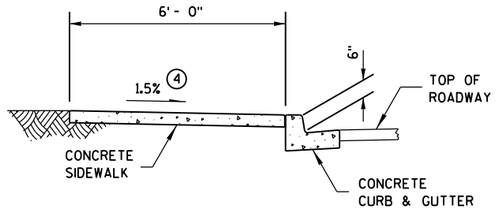
SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

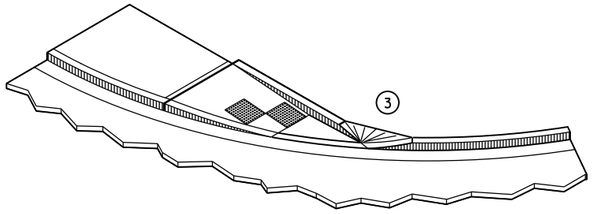
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

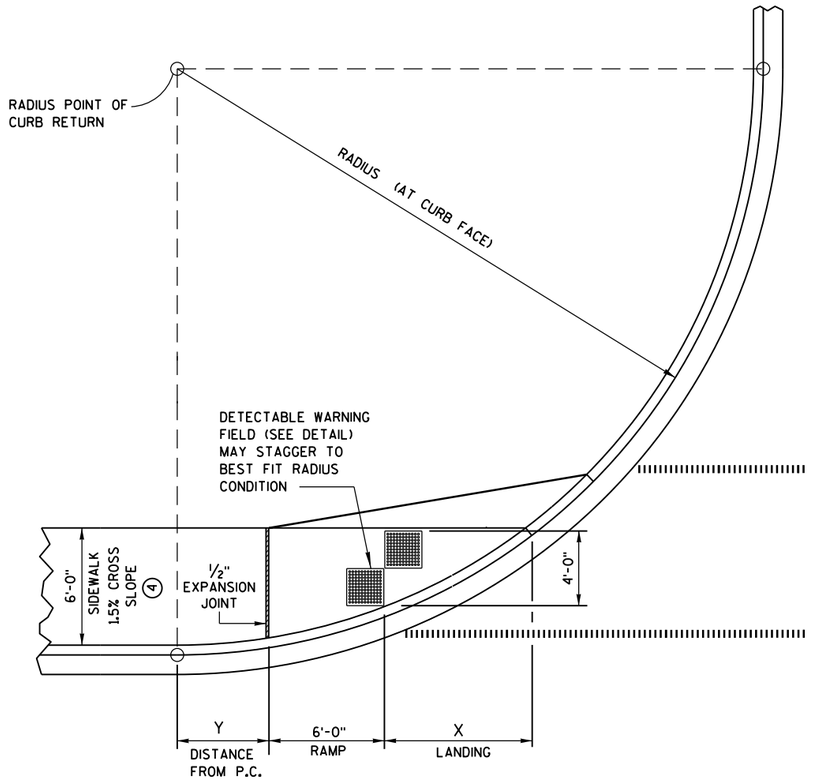
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

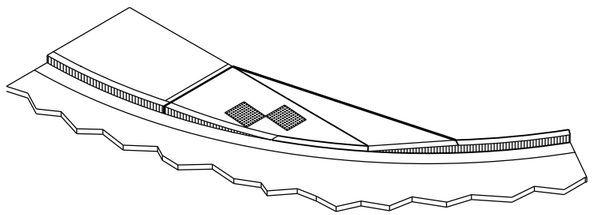
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



ISOMETRIC VIEW FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

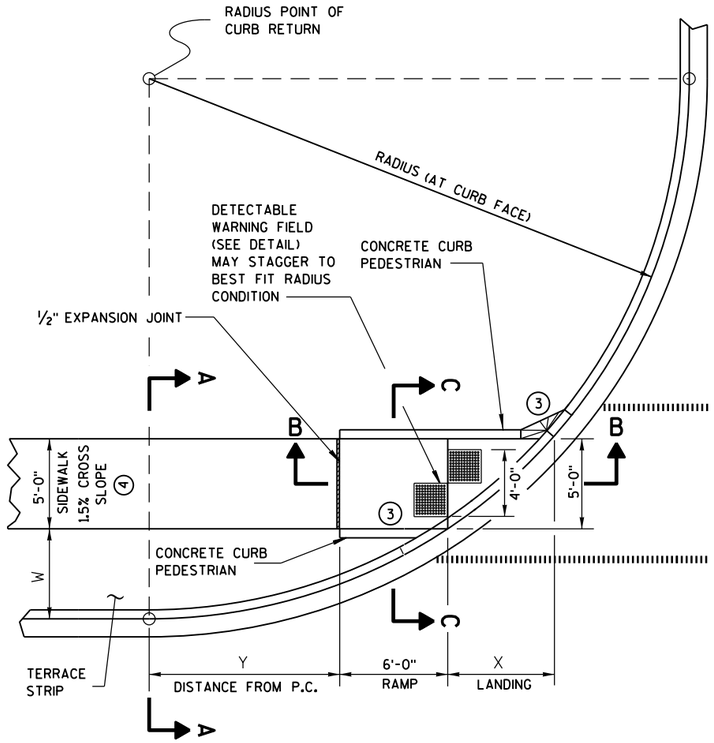
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15c



CURB RAMP TYPE 4B
PLAN VIEW

LEGEND

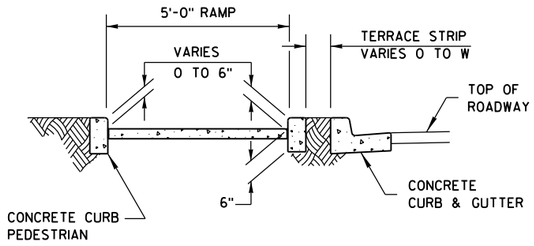
½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION C-C FOR TYPE 4B

GENERAL NOTES

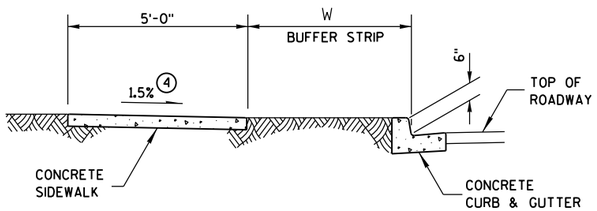
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

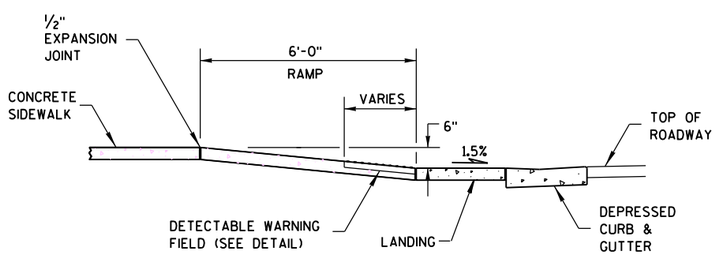
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

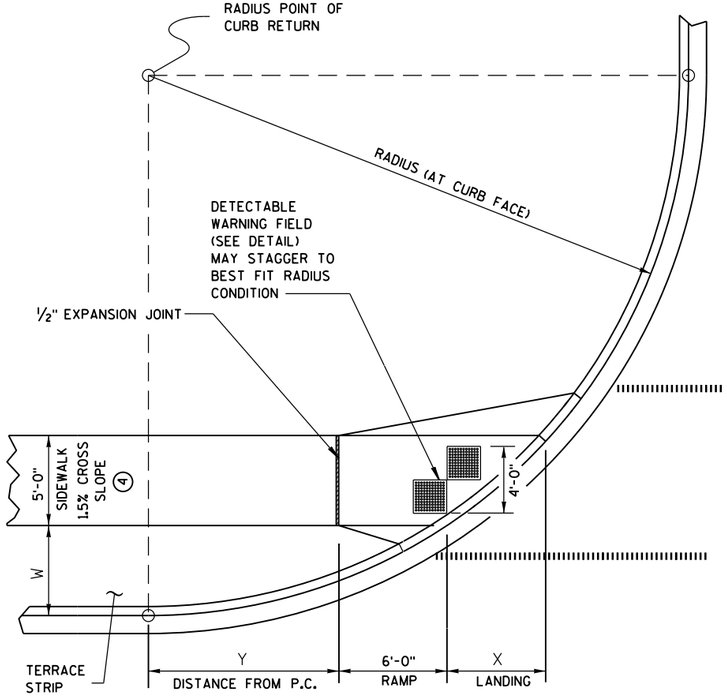
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



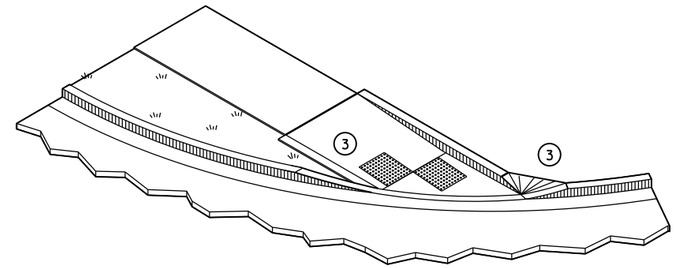
SECTION A-A FOR TYPE 4B



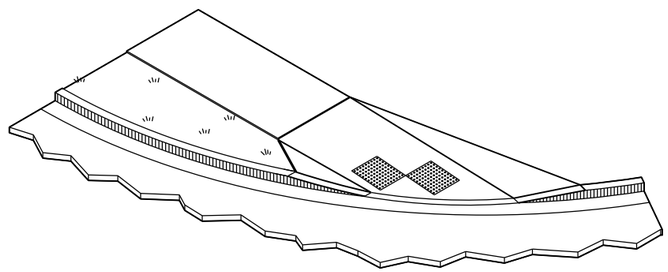
SECTION B-B FOR TYPE 4B



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



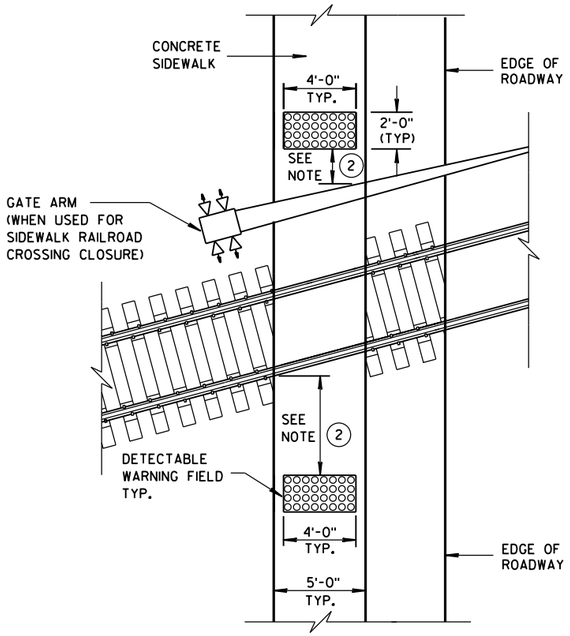
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

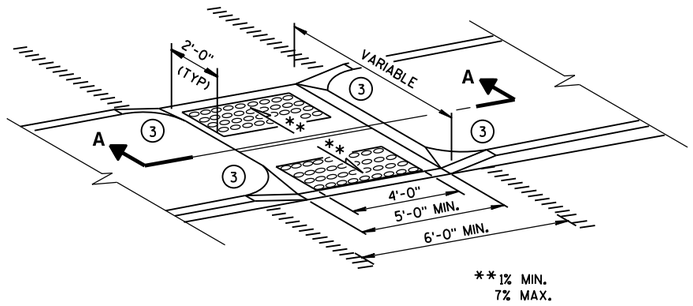
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

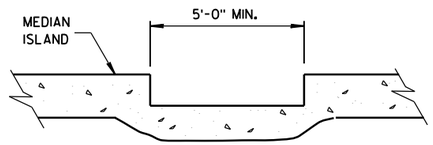
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

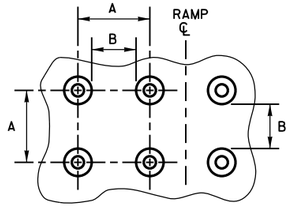
(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



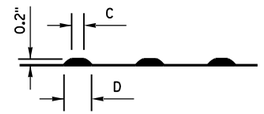
SECTION A-A



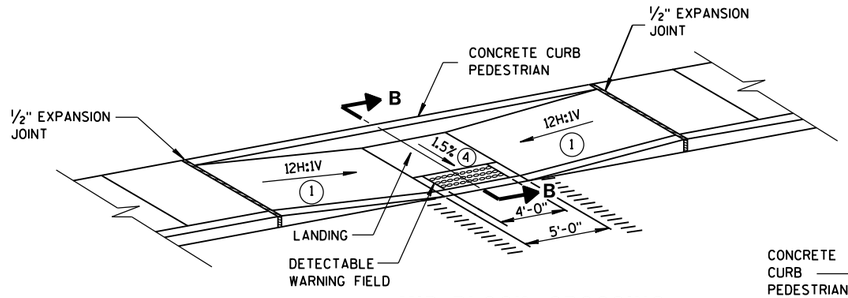
PLAN VIEW

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

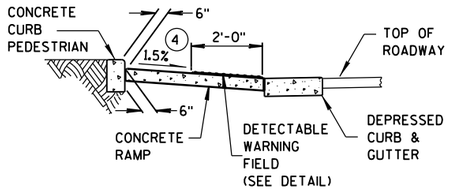
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

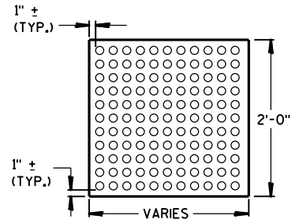


MID-BLOCK CROSSING
TYPE 7A



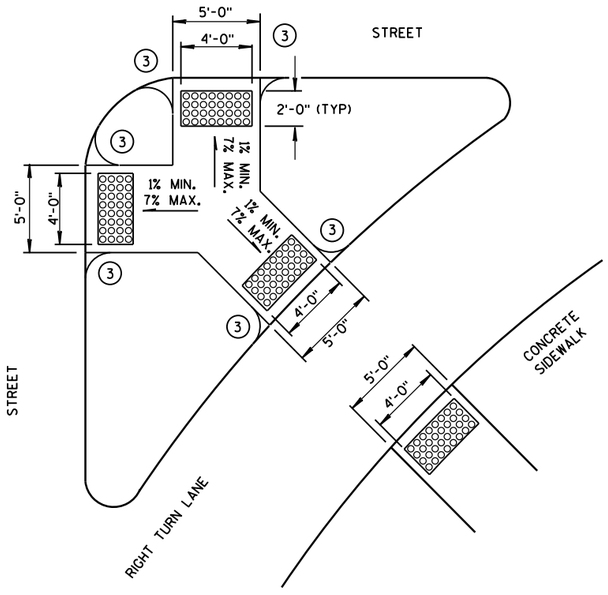
SECTION B-B

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

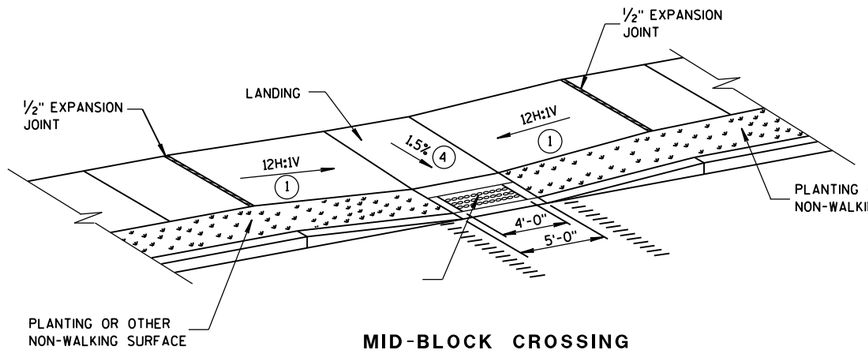


PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

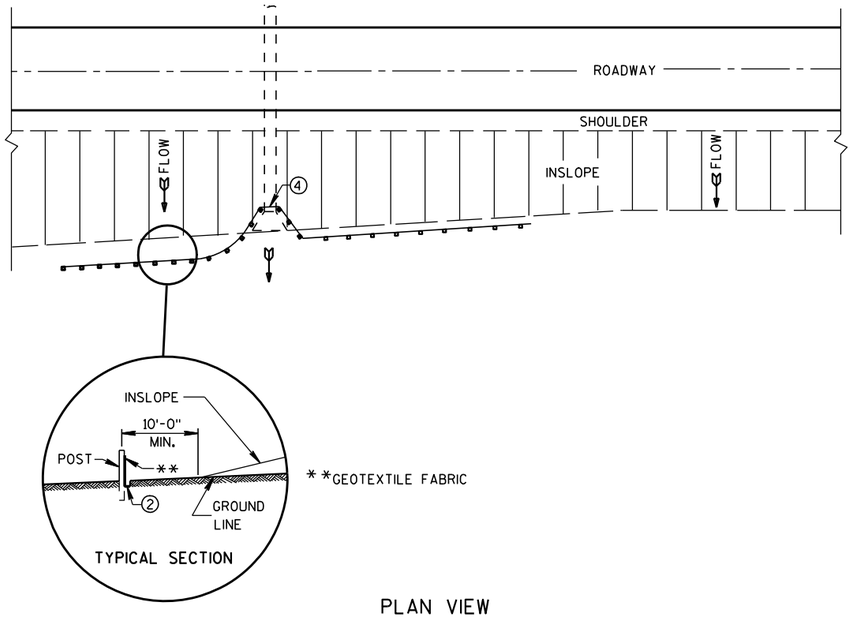
CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2-6-2013 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

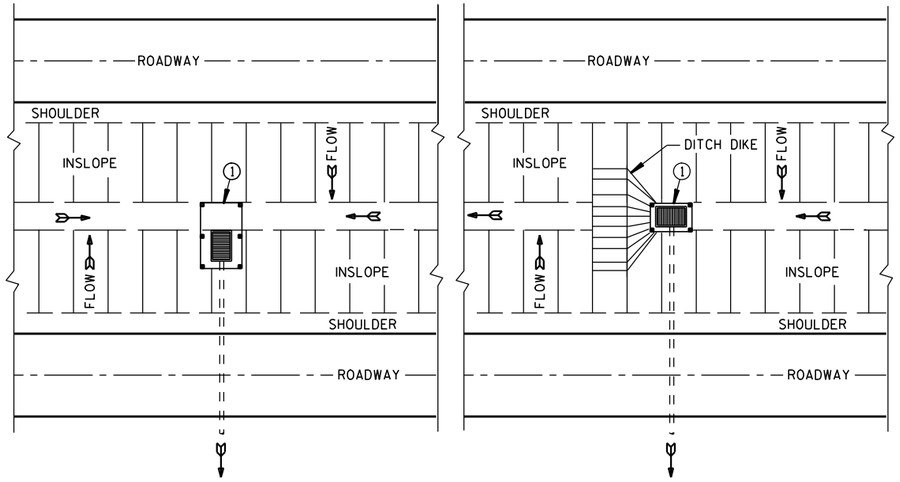
6

S.D.D. 8 D 5-15e



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



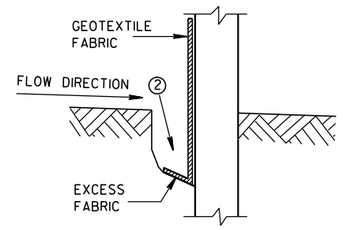
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

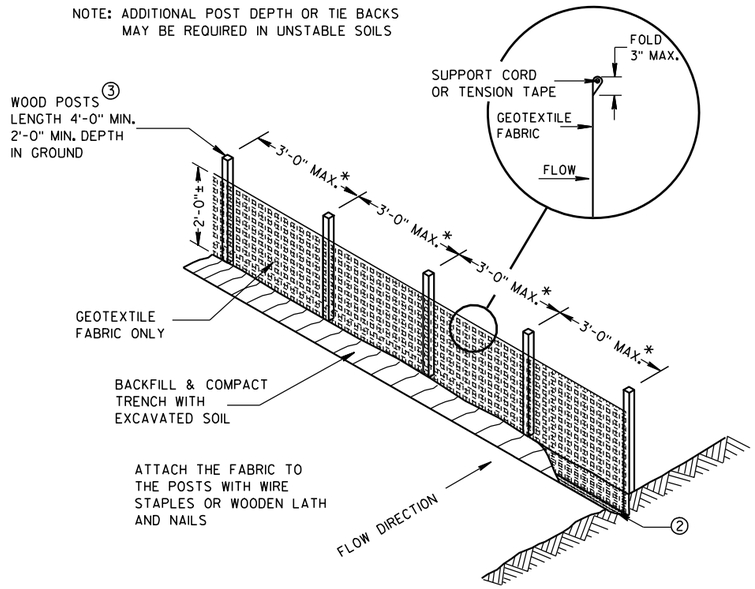
GENERAL NOTES

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

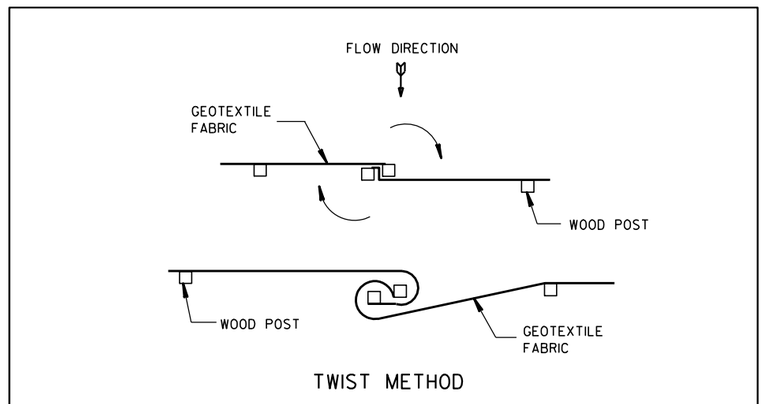
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



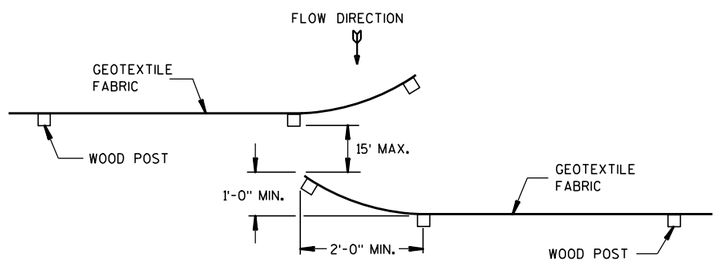
TRENCH DETAIL



SILT FENCE

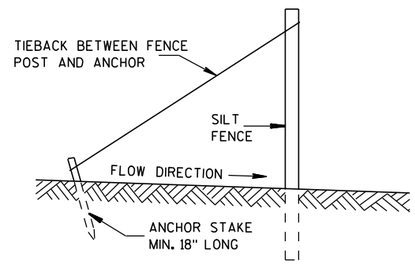


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

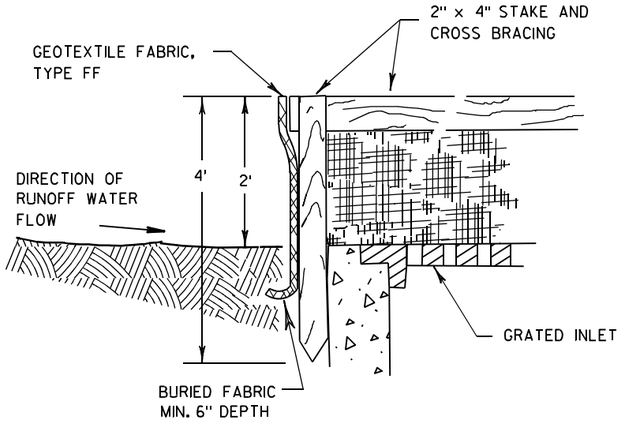
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

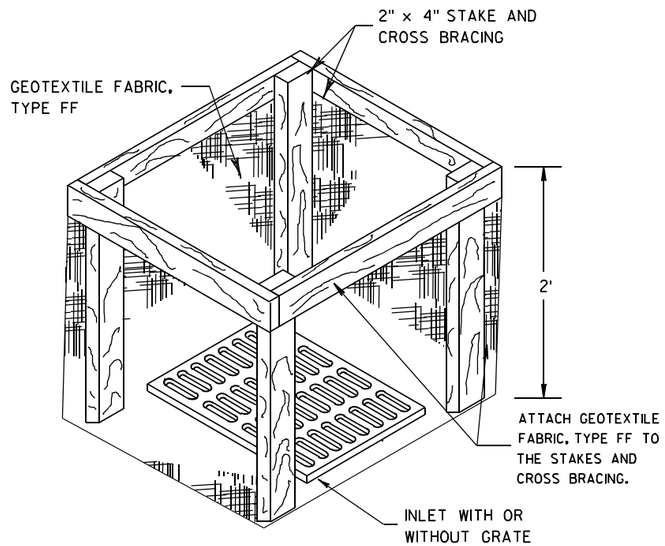
6

S.D.D. 8 E 9-6

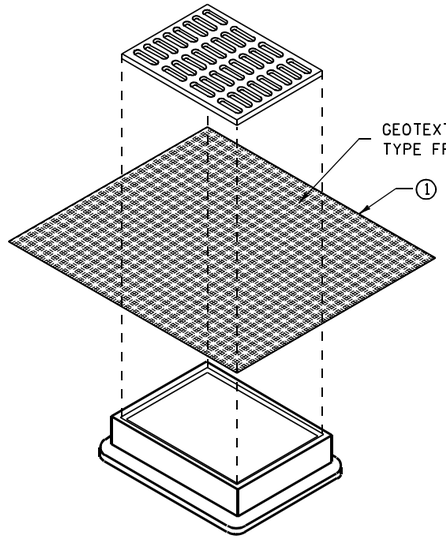
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S.D.D. 8 E 9-6



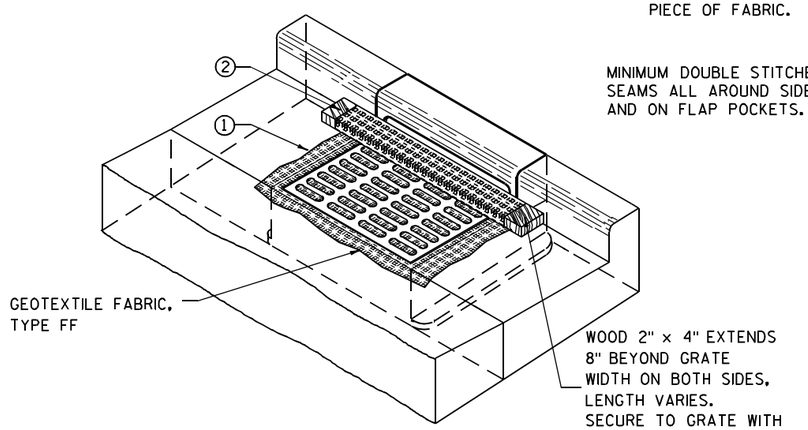


INLET PROTECTION, TYPE A

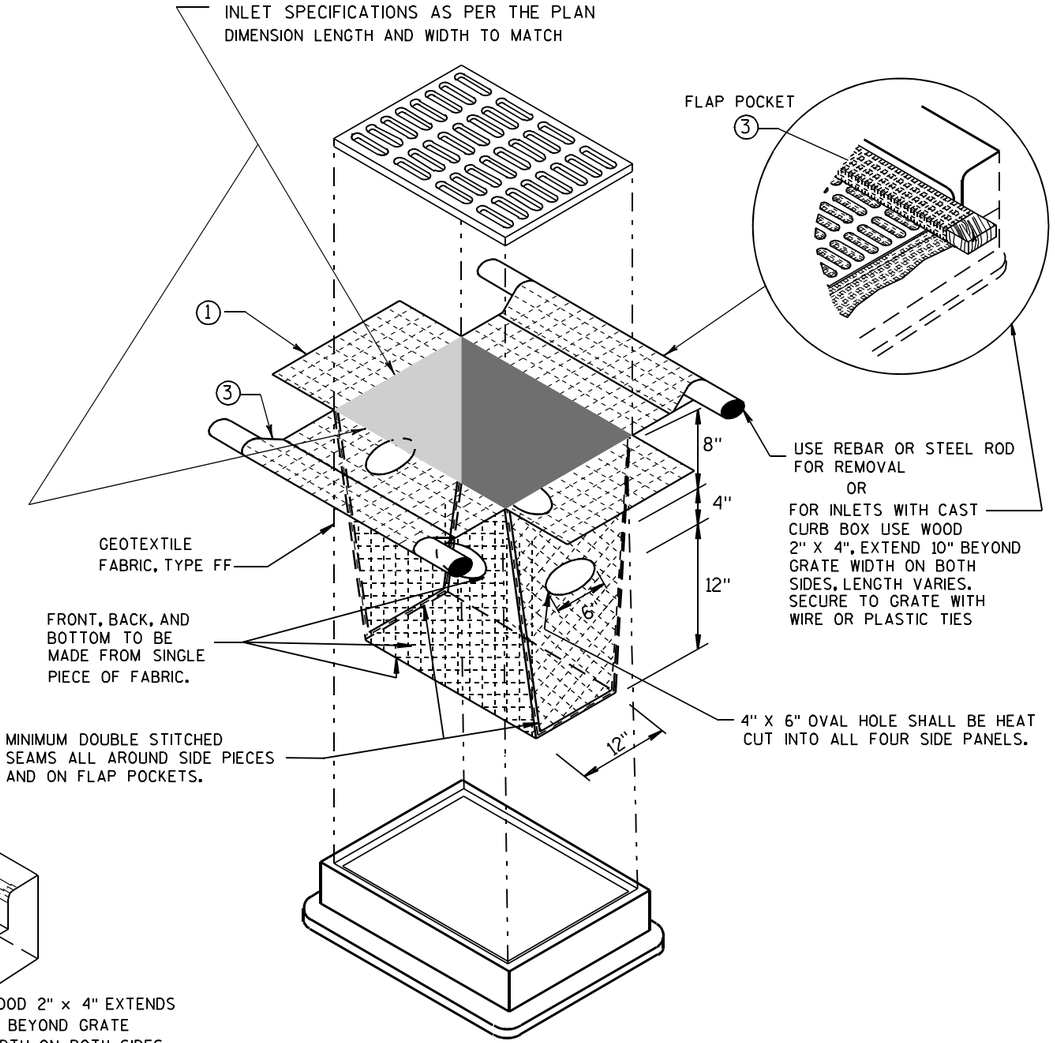


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

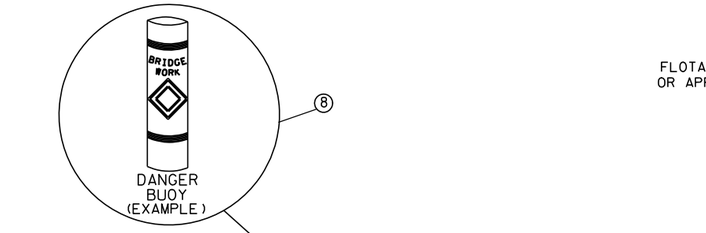
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

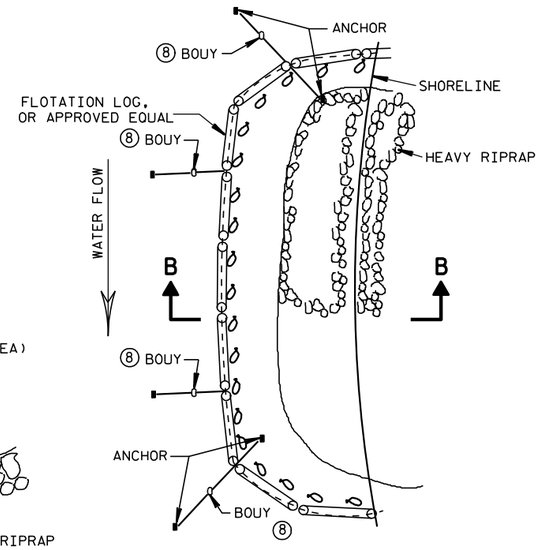
FHWA

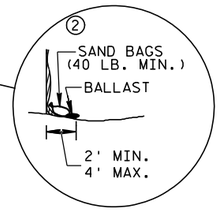
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S.D.D. 8 E 10-2

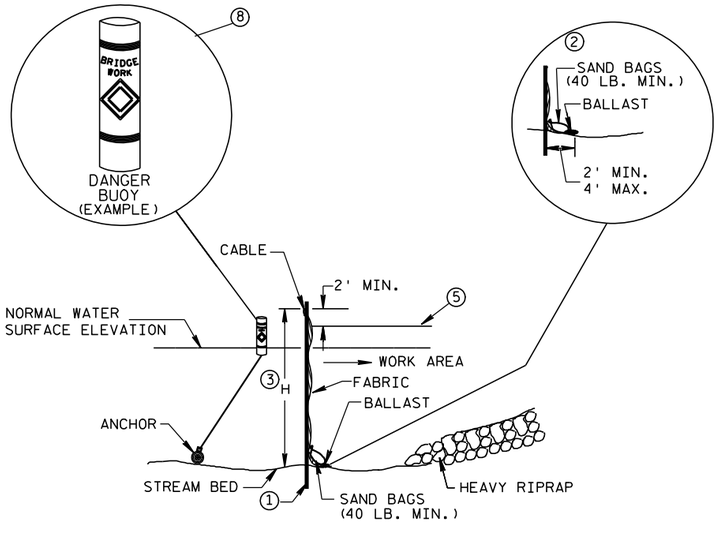


SECTION B-B

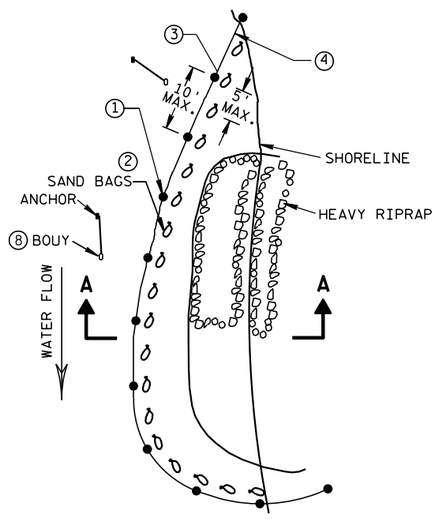




TURBIDITY BARRIER FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A-A



PLAN VIEW

TURBIDITY BARRIER STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

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.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

② SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

③ WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.

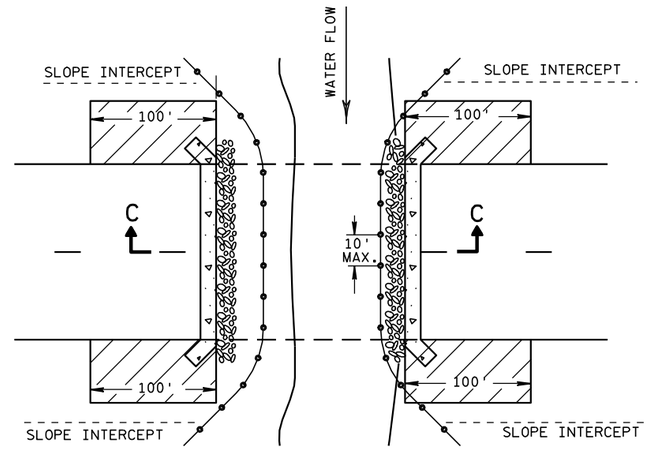
④ IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

⑤ ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE O2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.

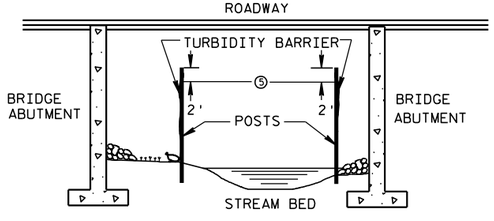
⑥ FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.

⑦ ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

⑧ USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

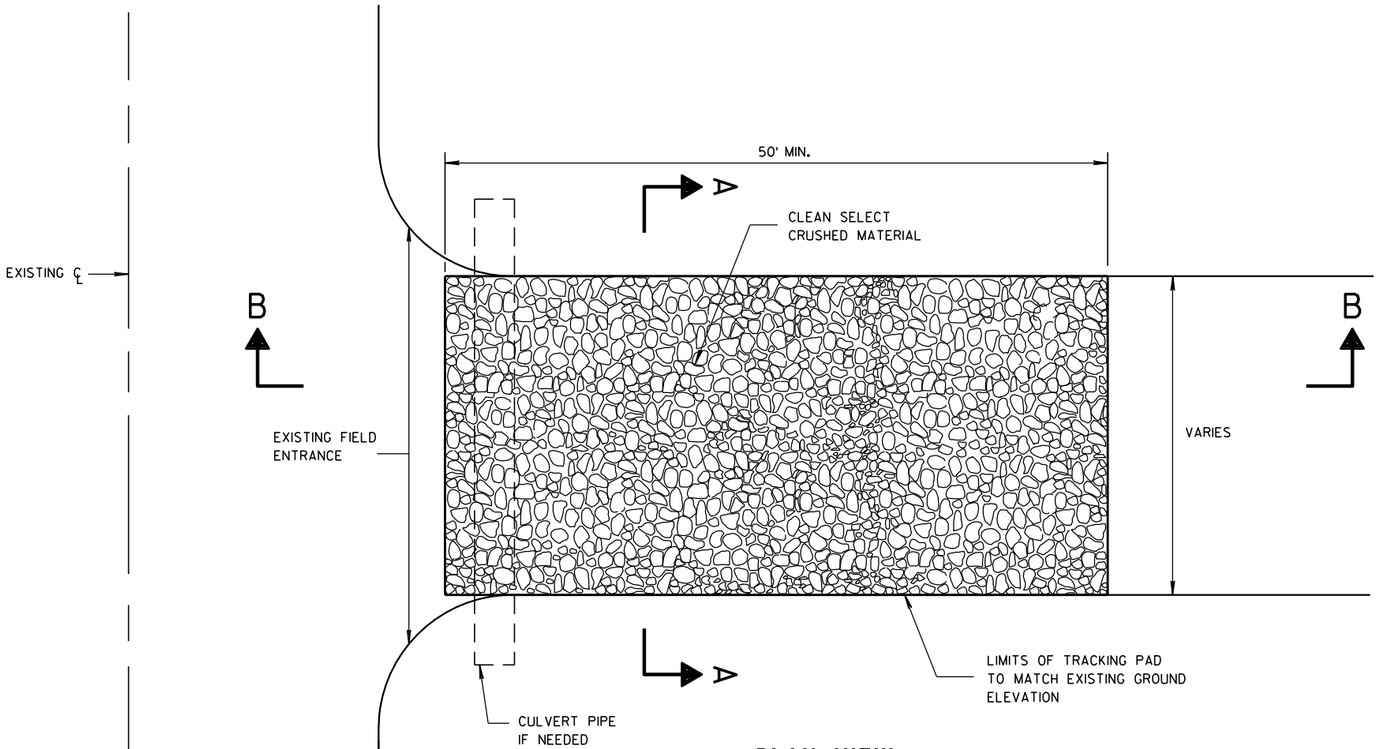
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

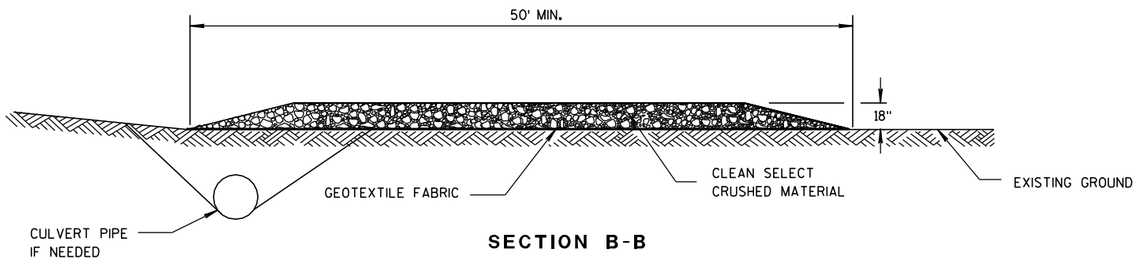
S.D.D. 8 E 11-2

6

S.D.D. 8 E 11-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

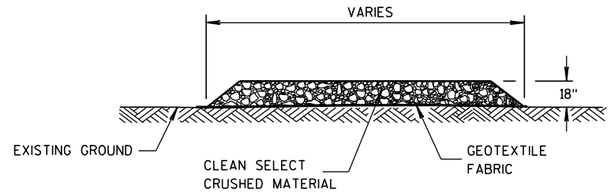
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
324
ENT
FHWA

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S.D.D. 8 E 14-1

METAL APRON ENDWALLS

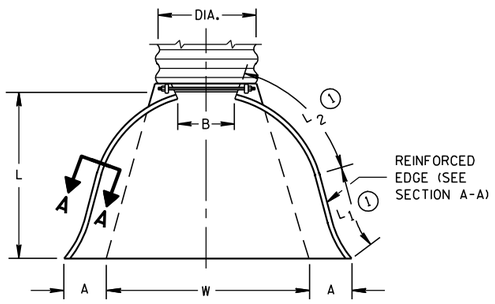
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

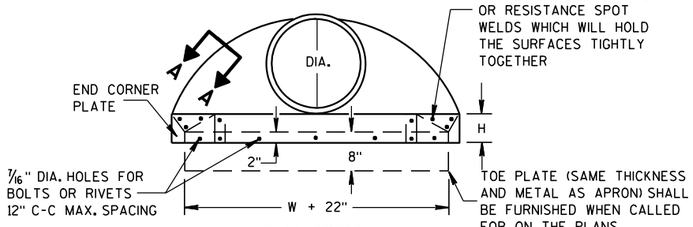
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

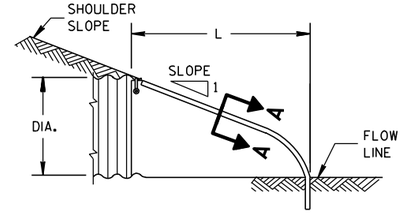
* MINIMUM
** MAXIMUM



PLAN VIEW

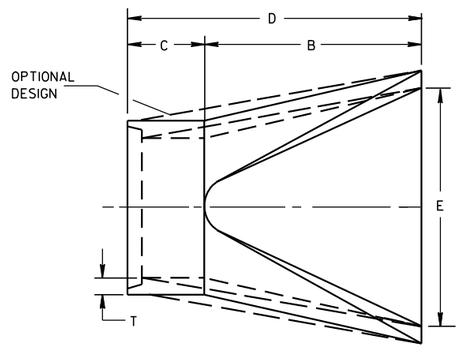


END VIEW

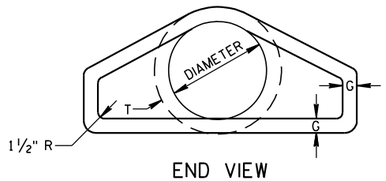


SIDE ELEVATION

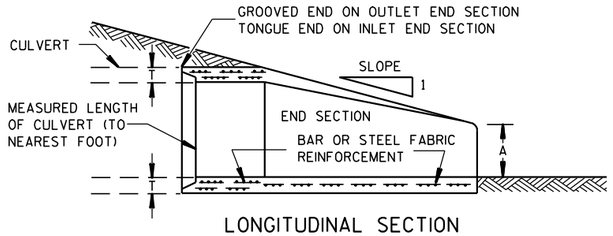
METAL ENDWALLS



PLAN

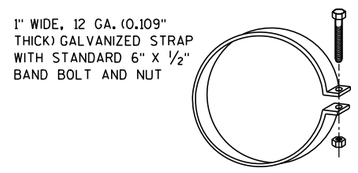


END VIEW



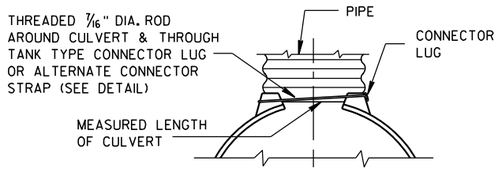
LONGITUDINAL SECTION

CONCRETE ENDWALLS

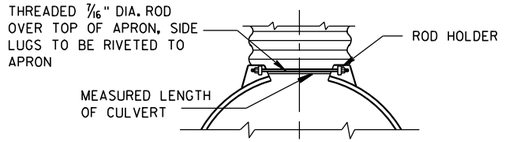


ALTERNATE FOR TYPE 1 CONNECTION

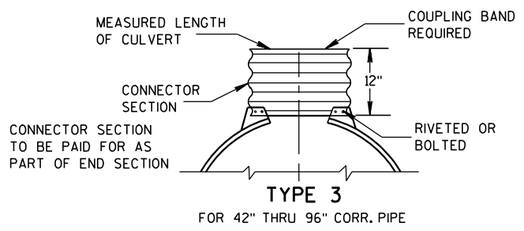
END SECTION CONNECTOR STRAP



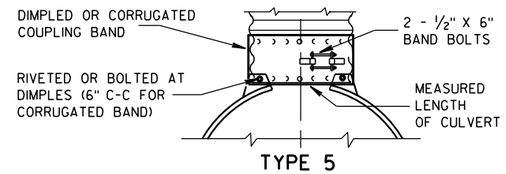
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

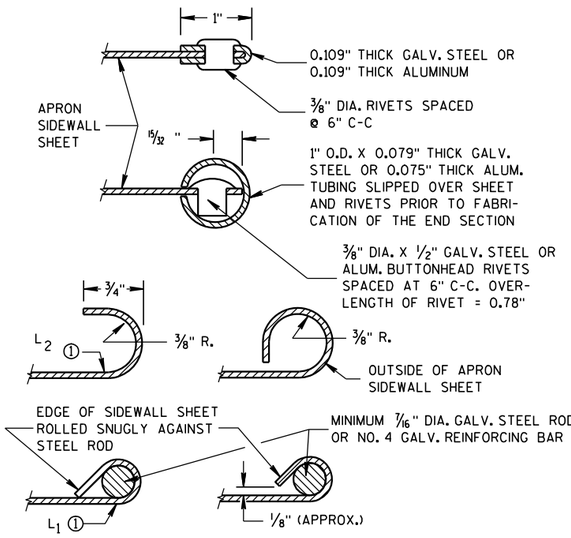
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

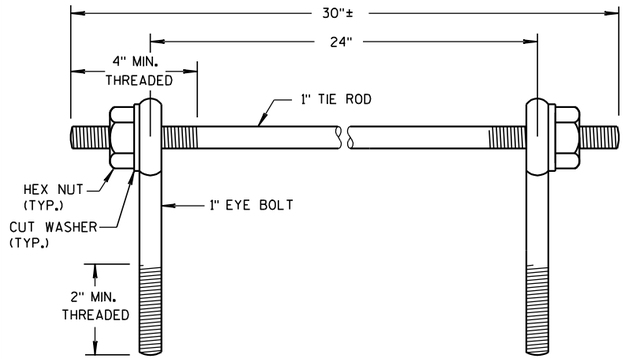
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

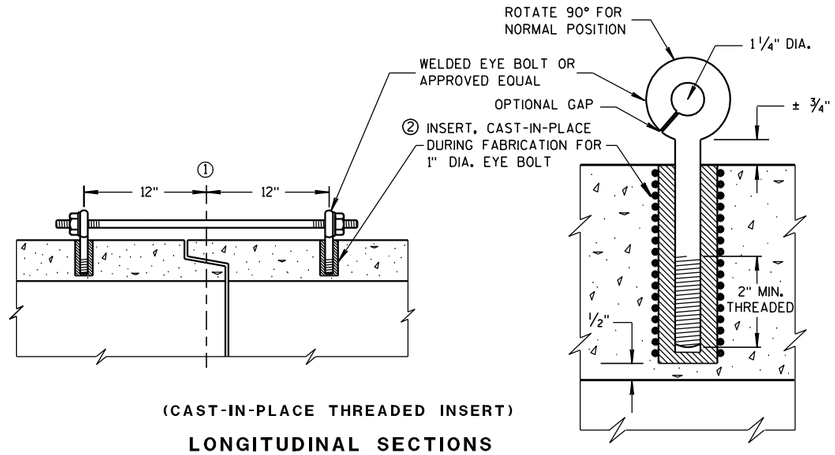
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 325 NEER
FHWA

6

S.D.D. 8 F 1-11



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.

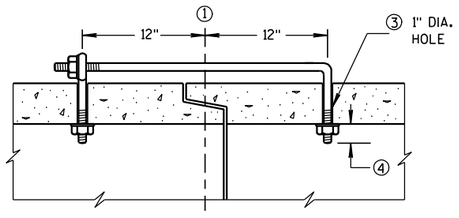
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

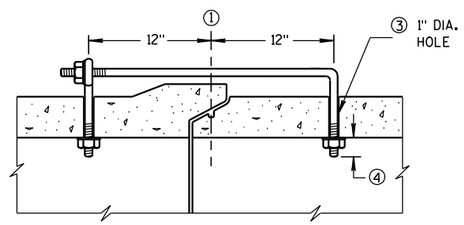
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

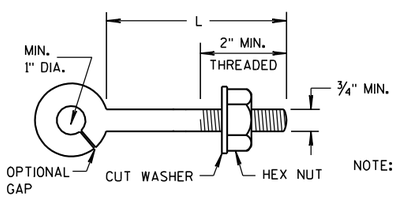


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

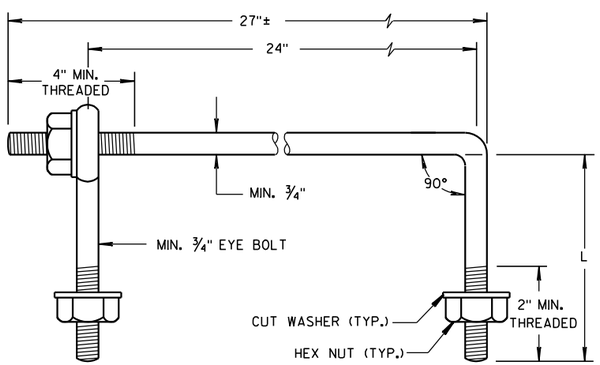
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

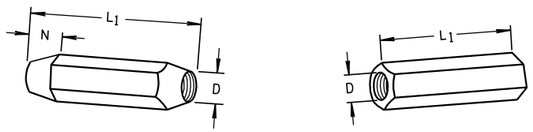
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

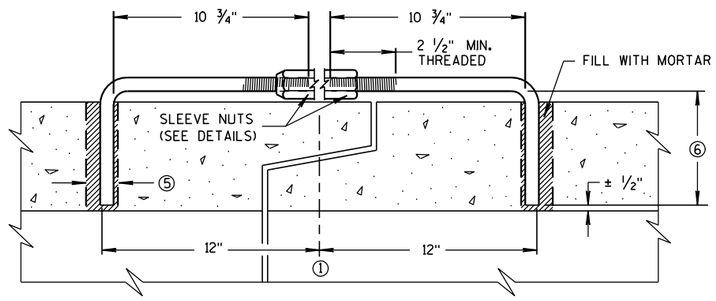
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

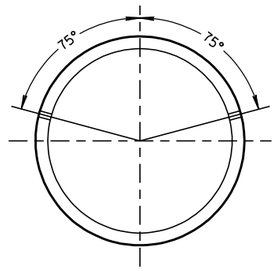
SLEEVE NUTS



LONGITUDINAL SECTION

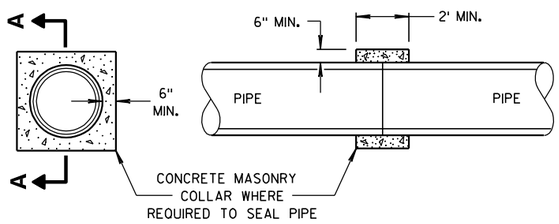
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

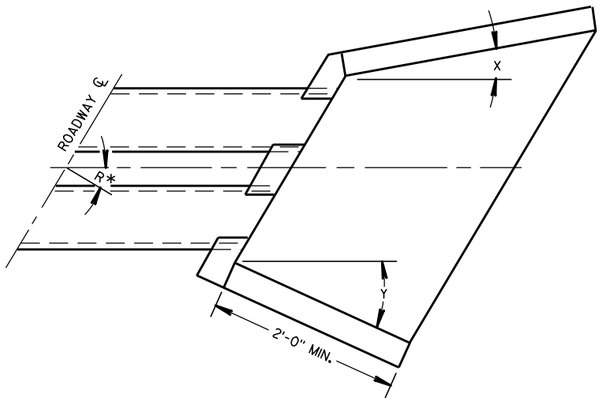
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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S.D.D. 8 F 4-7

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S.D.D. 8 F 4-7



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

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.

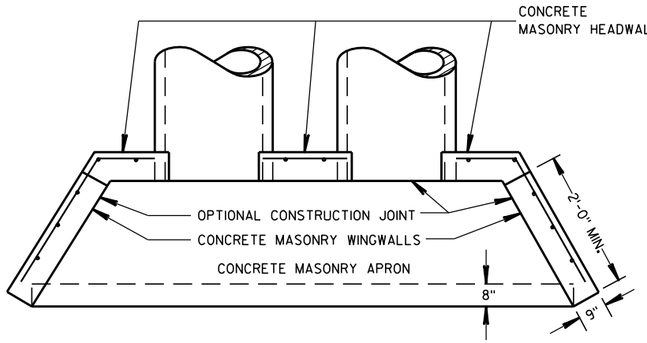
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

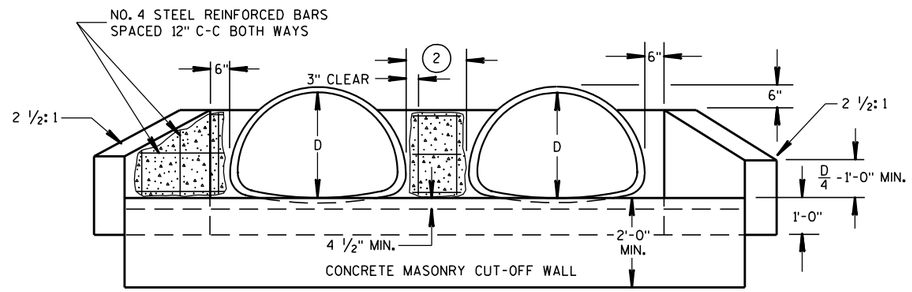
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



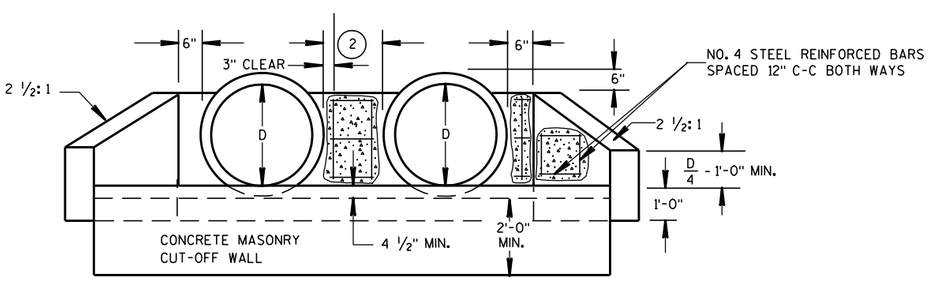
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



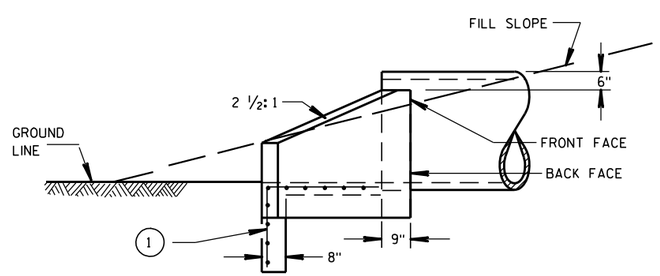
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

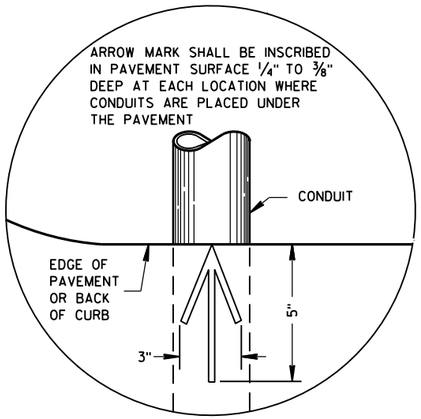
CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

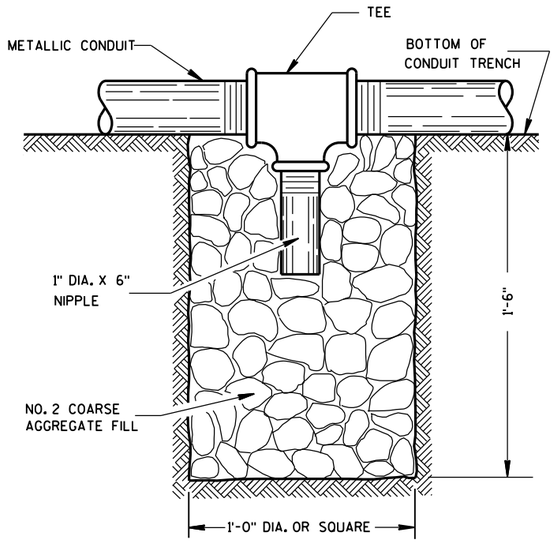
APPROVED
9/14/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 10-1



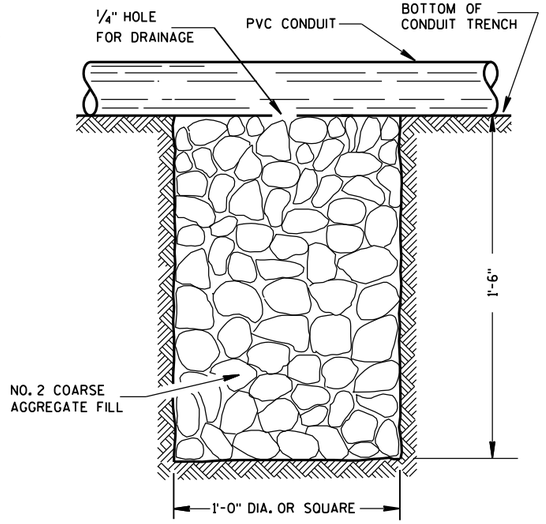
PLAN VIEW

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.

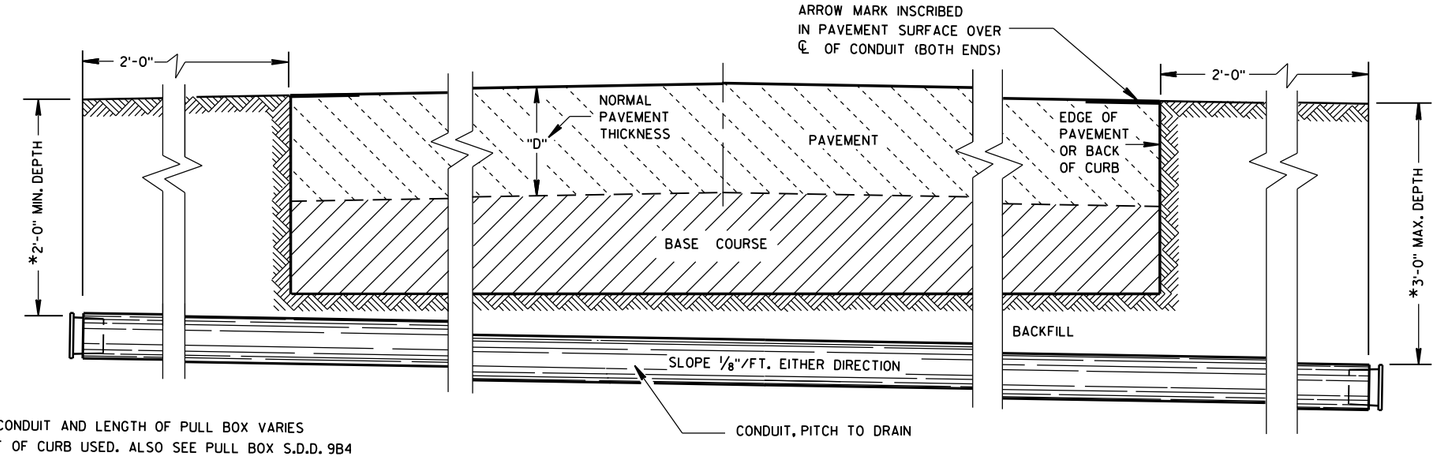
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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 UNDER PAVED HIGHWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL 328

FHWA

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S.D.D. 9 B 2-8

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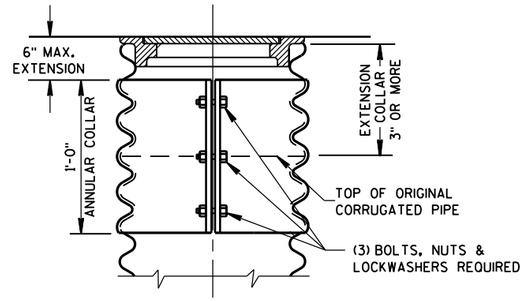
S.D.D. 9 B 2-8

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

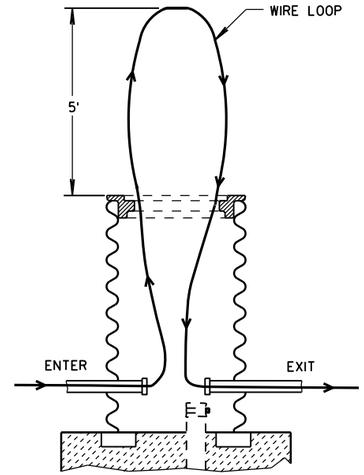
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

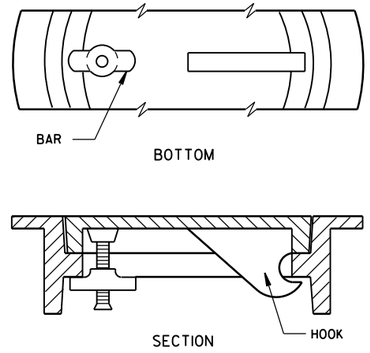
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

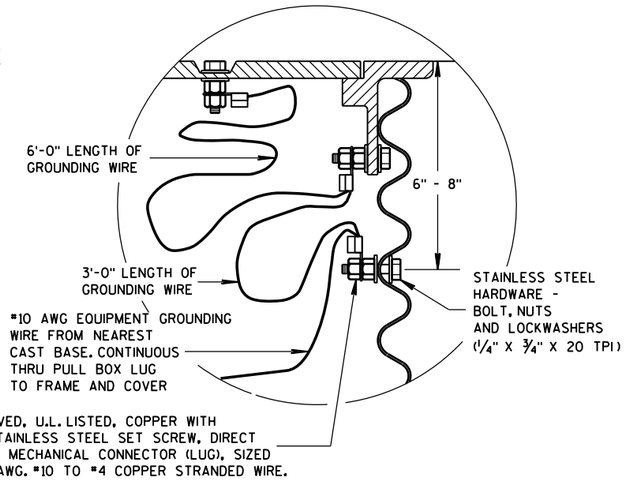


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

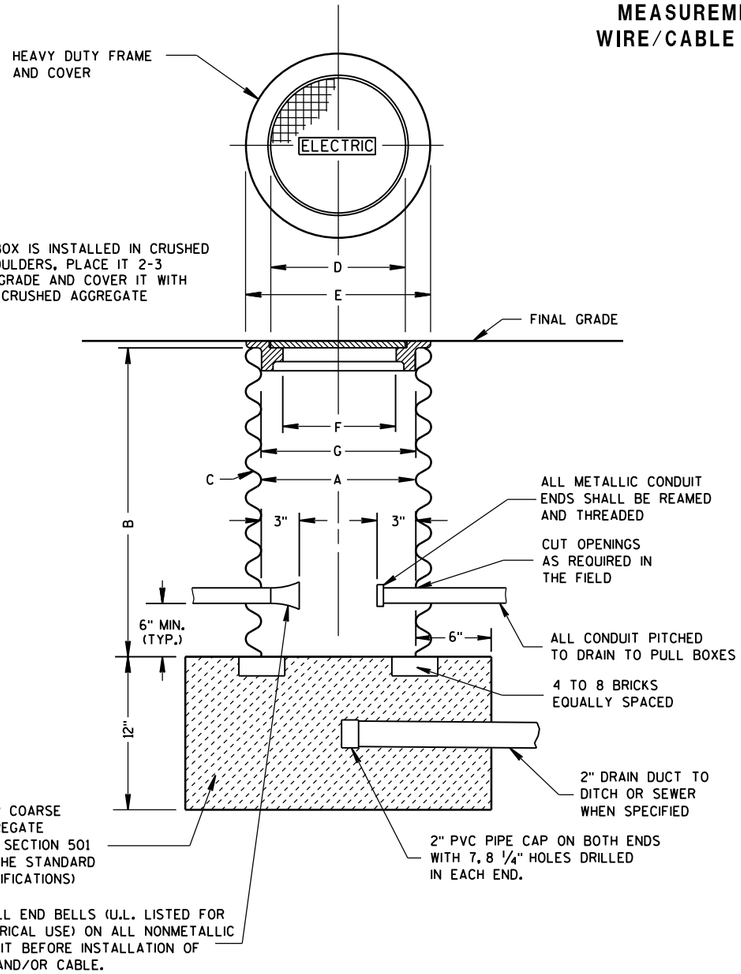


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

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.

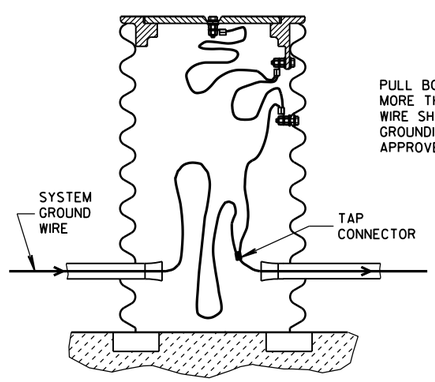
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

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.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

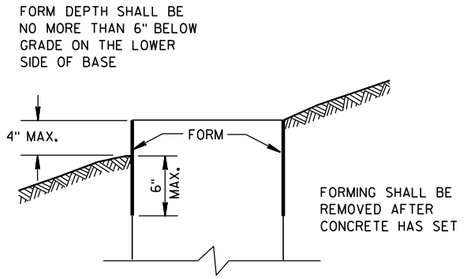
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11



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.

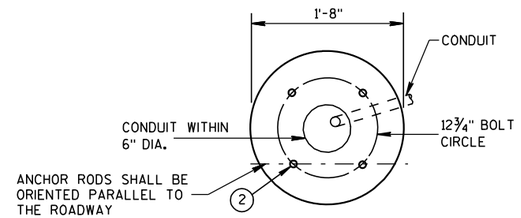
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

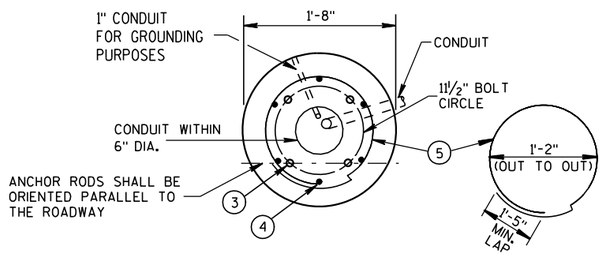
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

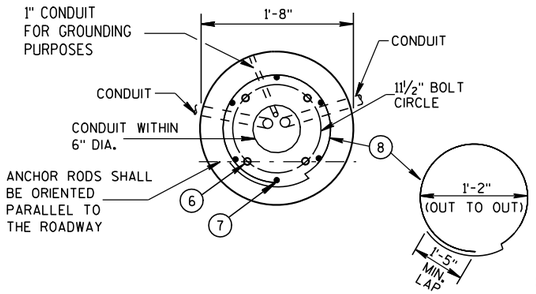
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

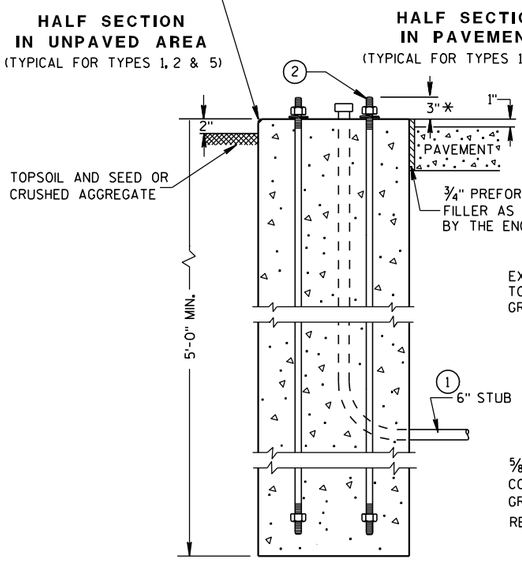






FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND

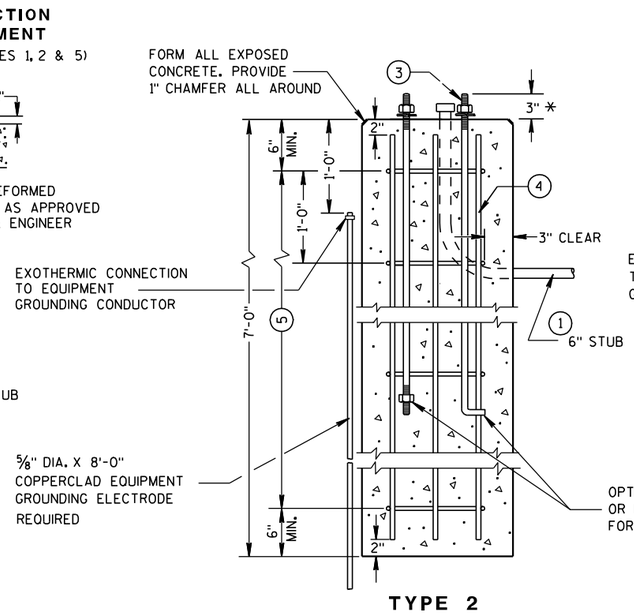
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2 & 5)



HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2 & 5)

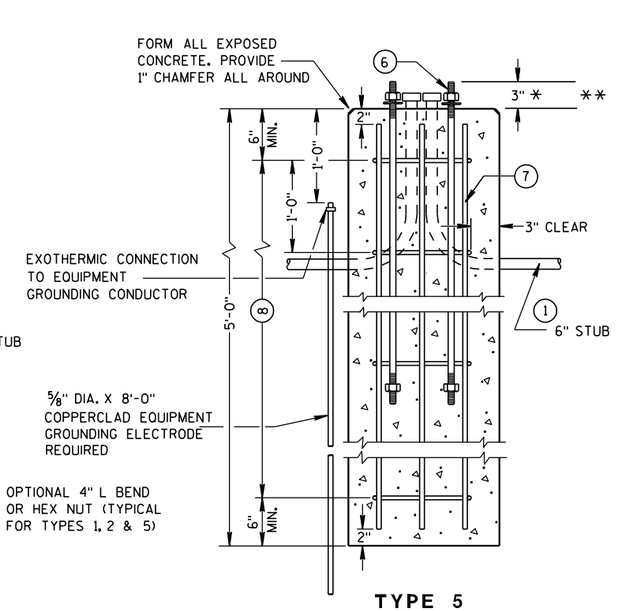
TYPE 1

FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND



TYPE 2

FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND



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
330 — HWYS
FHWA

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S.D.D. 9 C 2-6

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.

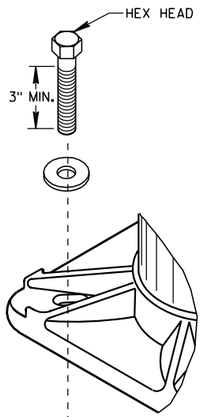
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

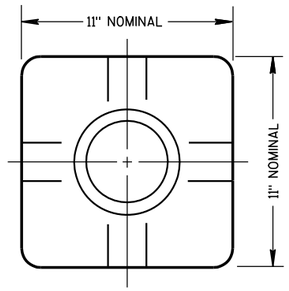
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

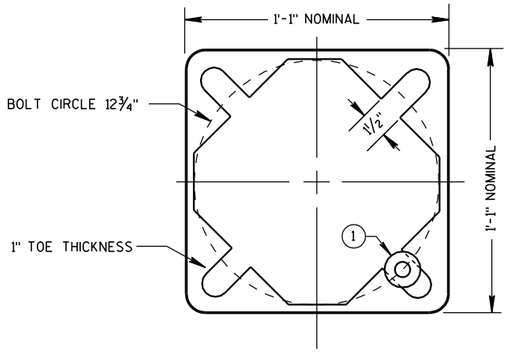
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1½", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

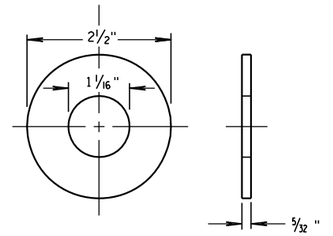




TOP VIEW
(PEDESTAL BASE)

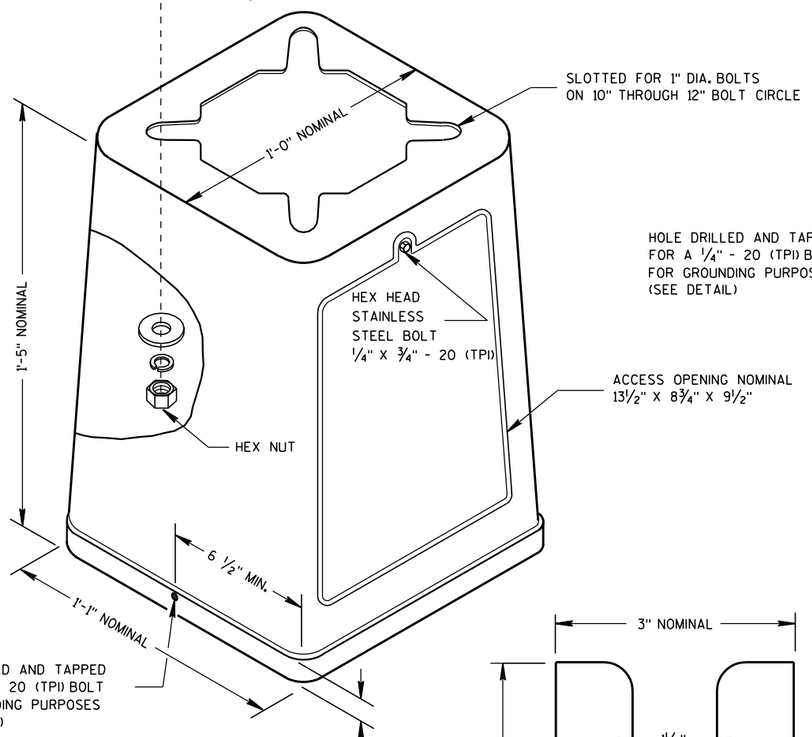


BOTTOM VIEW
(PEDESTAL BASE)

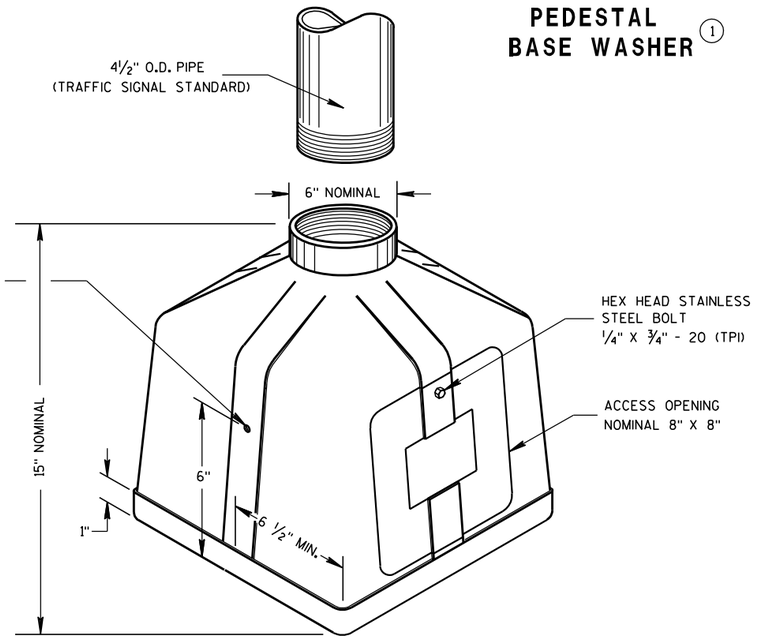


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

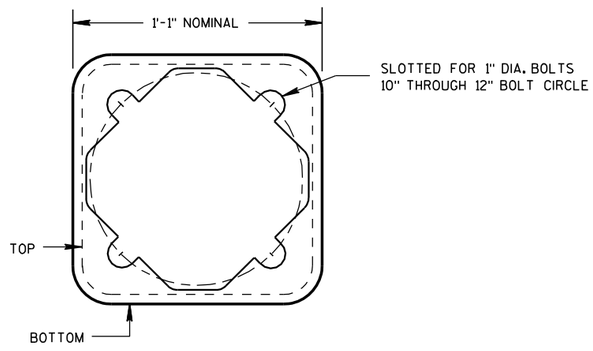


ISOMETRIC VIEW

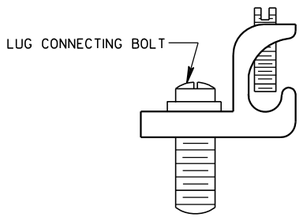


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

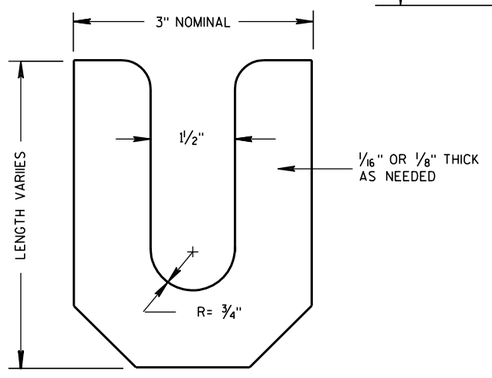


TYPICAL MECHANICAL CONNECTOR LUG

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. [illegible] — STATE ELECTRICAL ENGI
331 — HWYS
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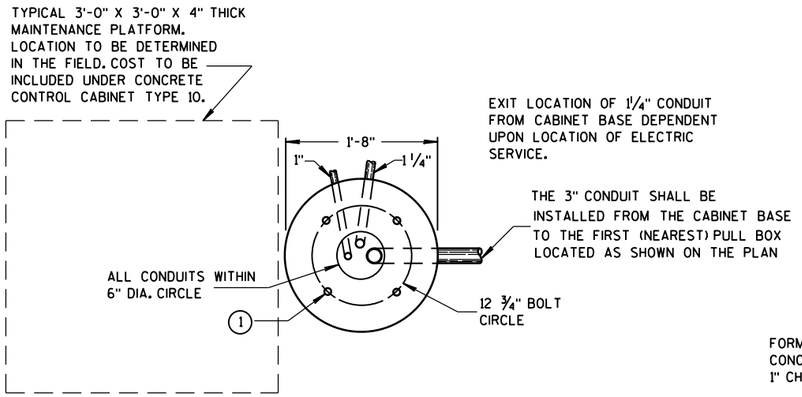
S.D.D. 9 C 3-3

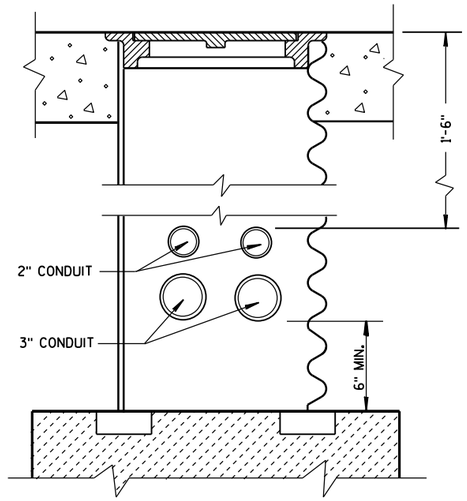
6

S.D.D. 9 C 3-3

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65 *

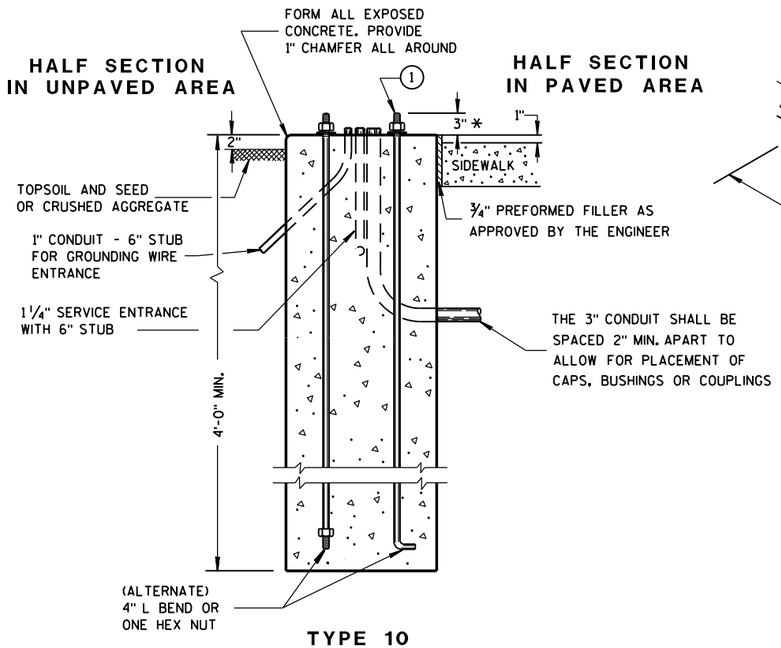
* INCLUDES MAINTENANCE PLATFORM.



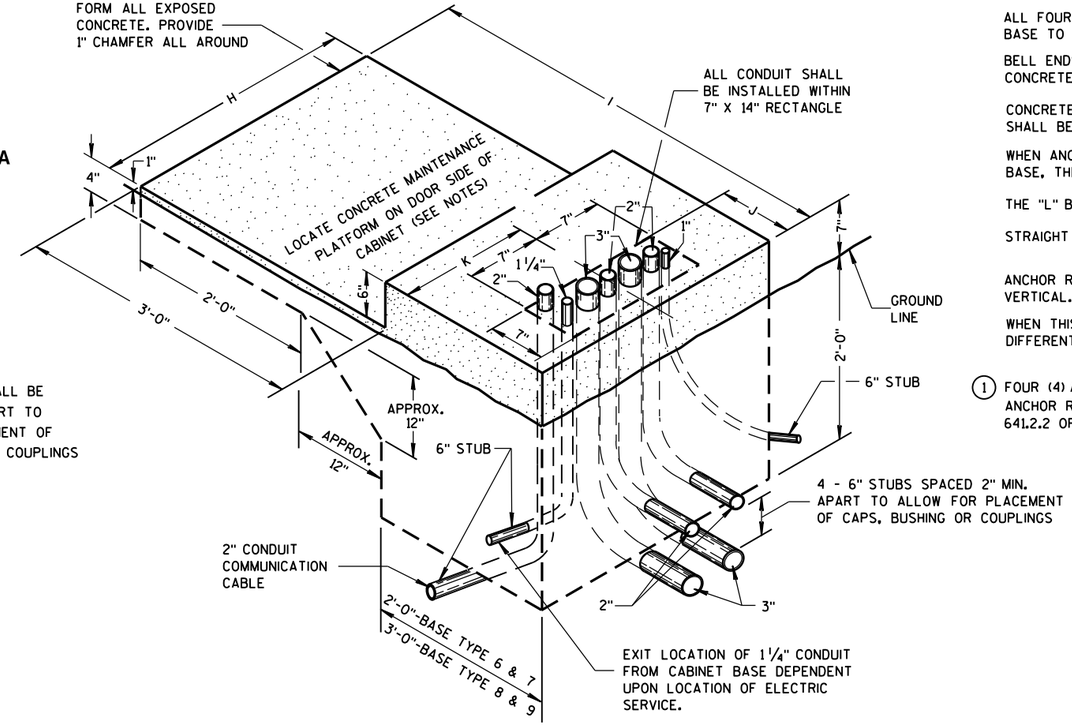


CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)



TYPE 10



TYPE 6,7,8 AND 9
(ISOMETRIC VIEW)

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

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

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

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

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WHEN THIS DRAWING IS USED FOR STREET LIGHTING CABINET BASES, CONDUIT MAY BE DIFFERENT AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS.

CONCRETE CONTROL CABINET BASES

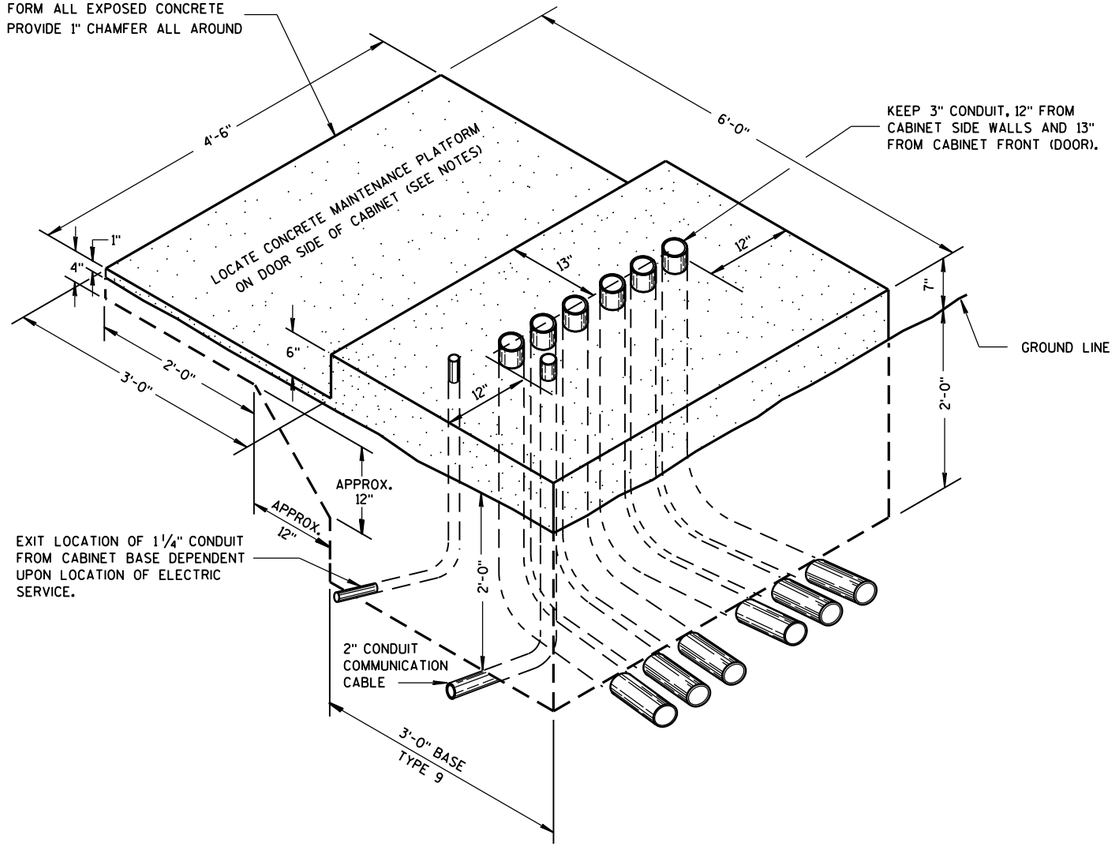
CONCRETE CONTROL CABINET BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/26/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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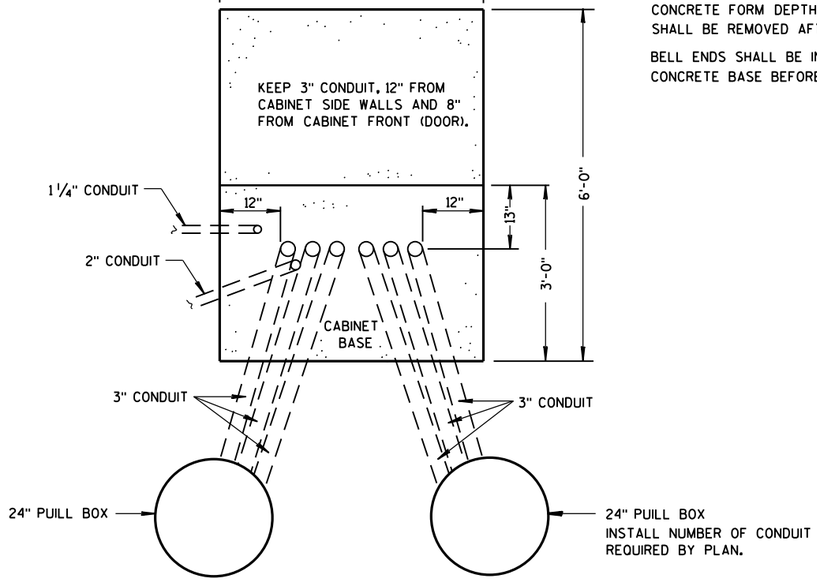
S.D.D. 9 C 5-8



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

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

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

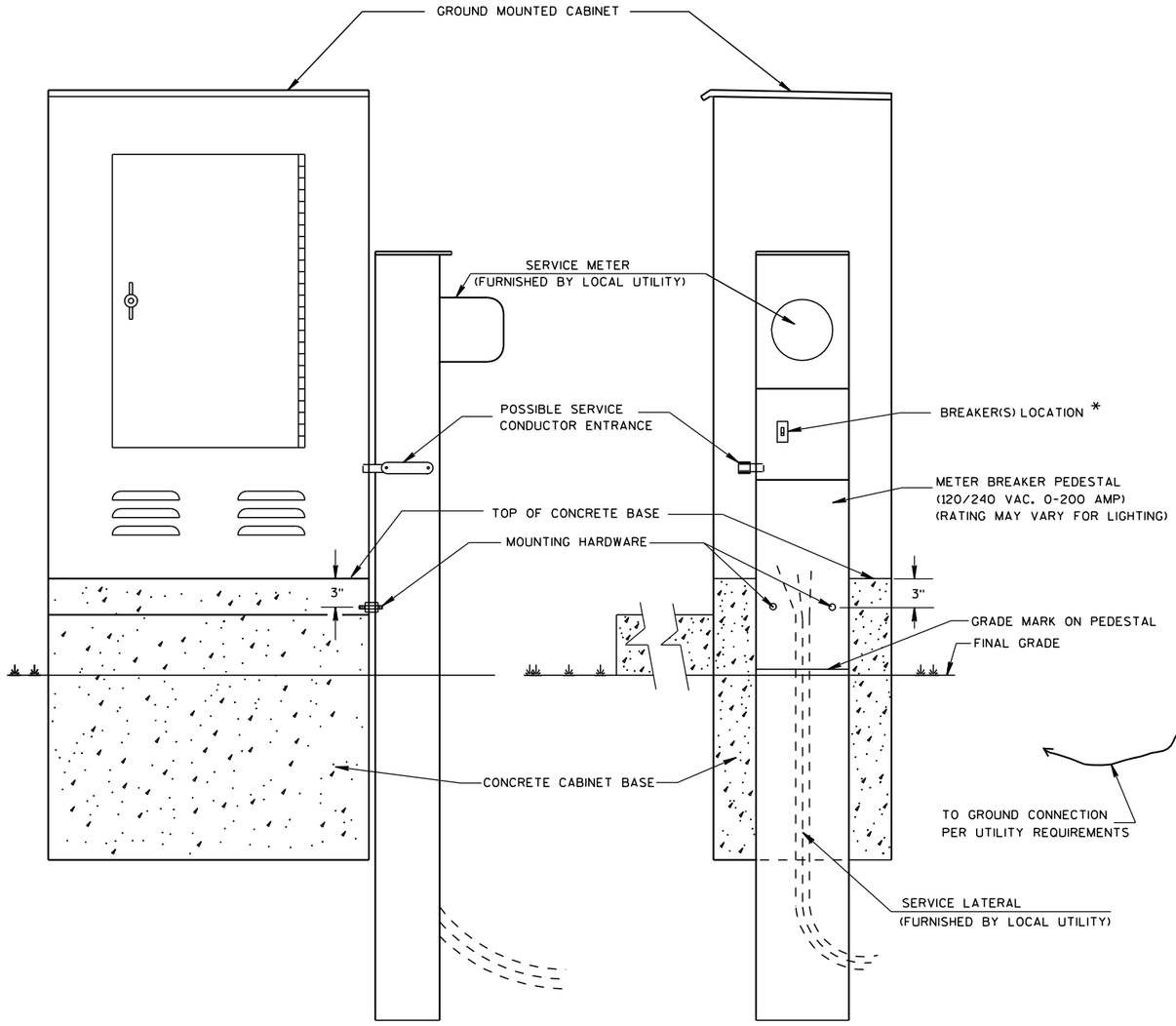
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/26/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 333
FHWA



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.

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S.D.D. 9 D 1-4

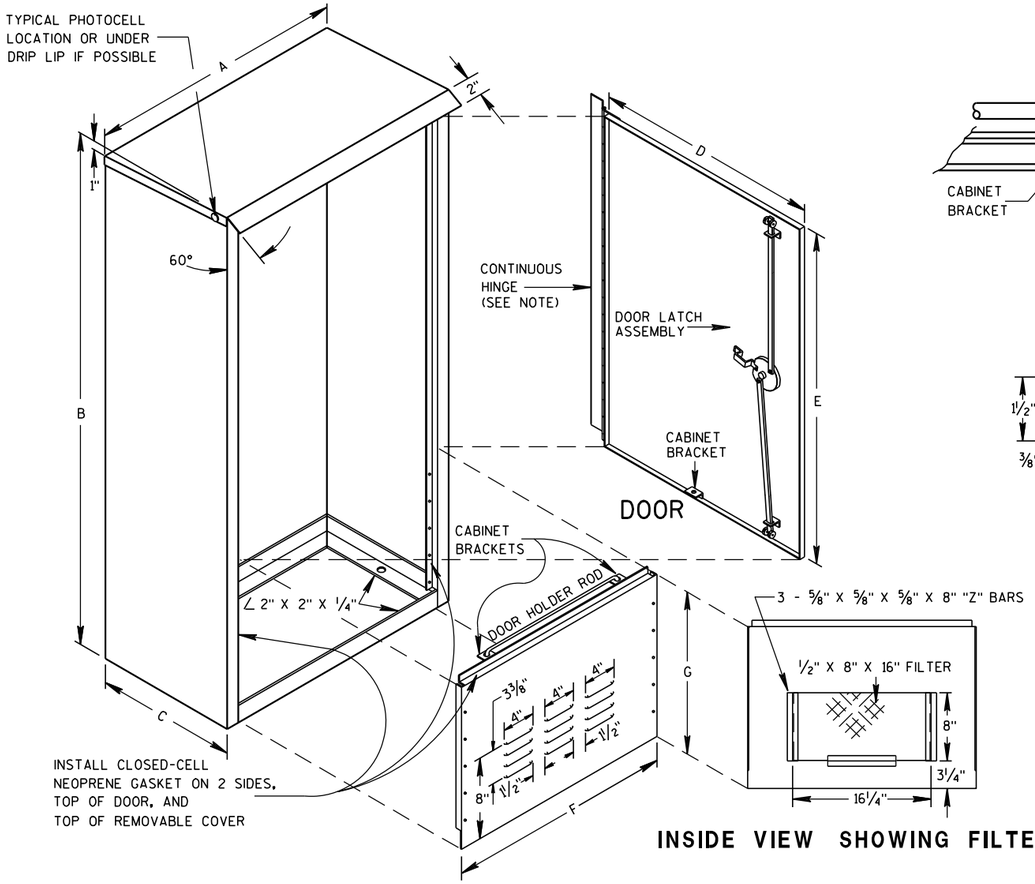
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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10/27/09 DATE
/S/ Joanna L. Bush STATE ELECTRICAL ENGI
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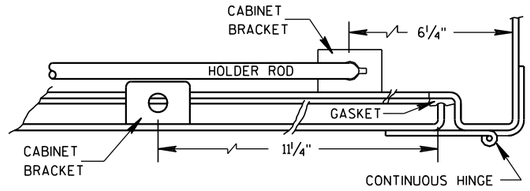
S.D.D. 9 D 1-4



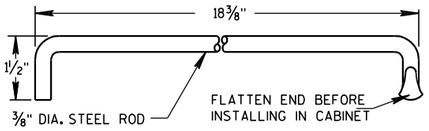
DOOR

REMOVABLE COVER

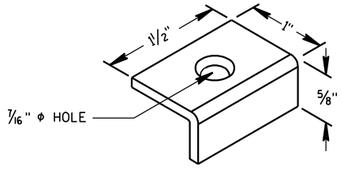
INSIDE VIEW SHOWING FILTER



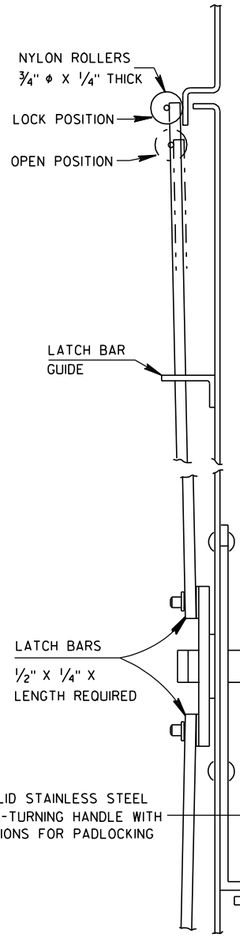
HINGE & DOOR HOLDER



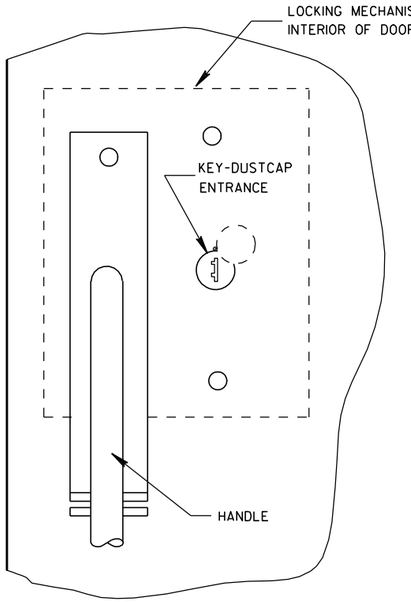
HOLDER ROD



CABINET BRACKET

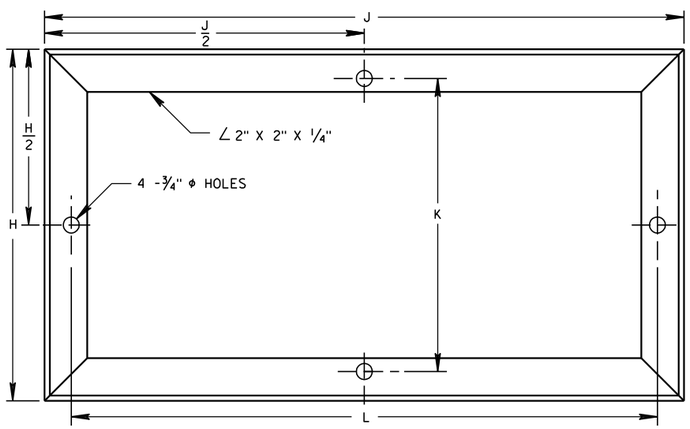


SIDE VIEW



FRONT VIEW

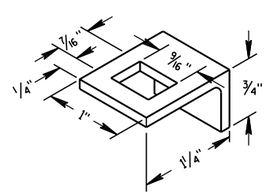
LATCH ASSEMBLY



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.

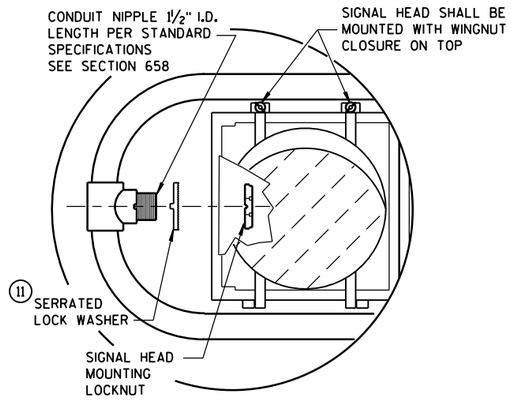
A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE AN APPROVED TYPE.

DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.

SIGNAL OR LIGHTING CONTROL CABINET

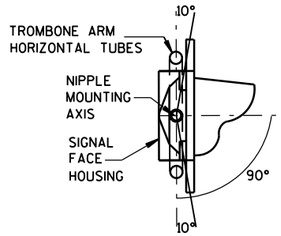
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/21/96 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI
335 HWYS
FHWA



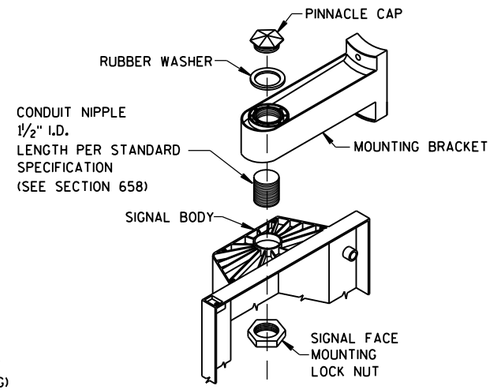
HORIZONTAL SIGNAL HEAD MOUNTING DETAIL *

* 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.

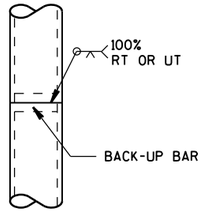
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

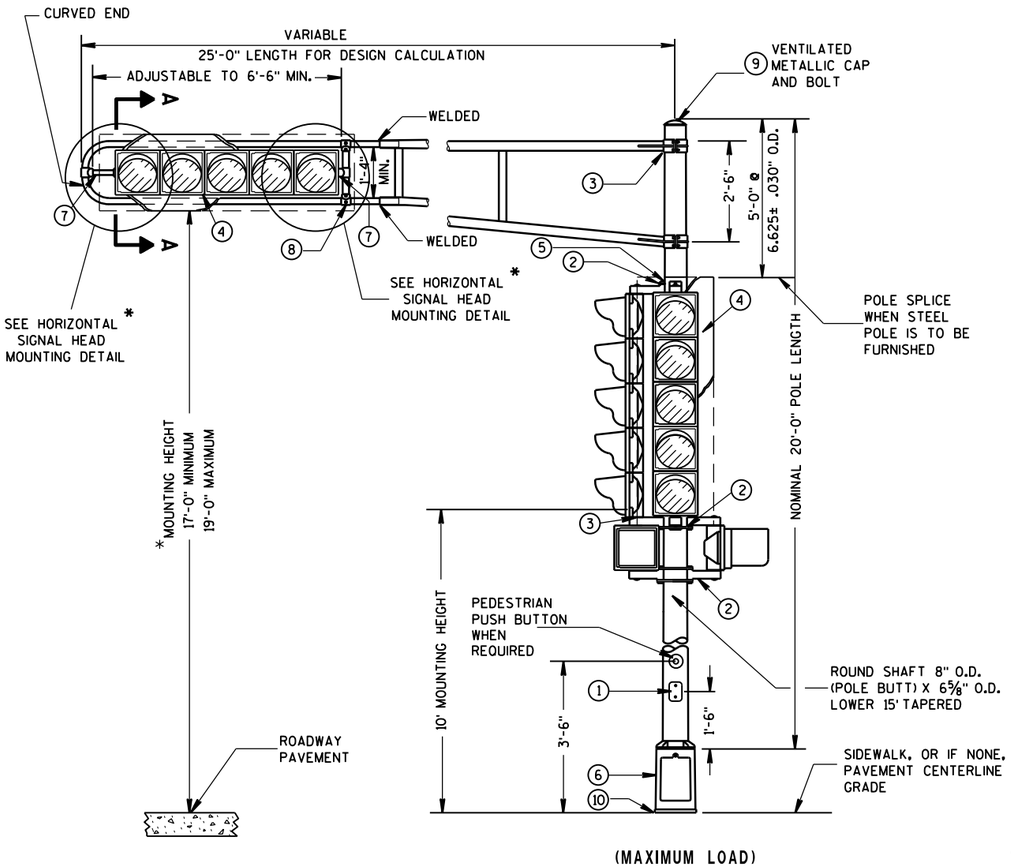
*MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE/NON-USE OF A TRANSFORMER BASE.

FOR MANUFACTURERS USE ONLY

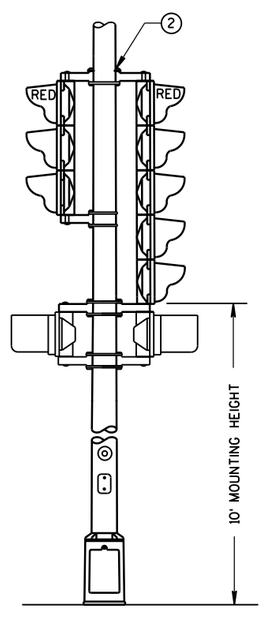
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN/BRIDGE FOR VERIFICATION AND APPROVAL.



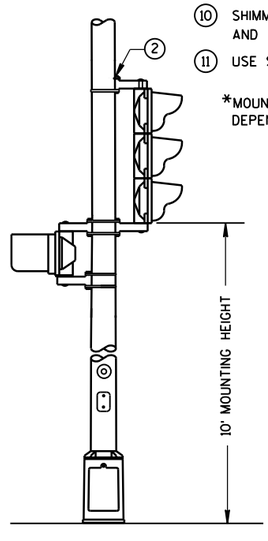
POLE SPLICE DETAIL



(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

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DEPARTMENT OF TRANSPOI

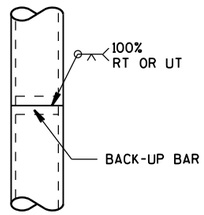
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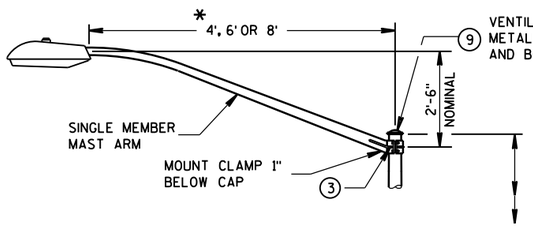
S.D.D. 9 E 1-12a

FOR MANUFACTURERS USE ONLY

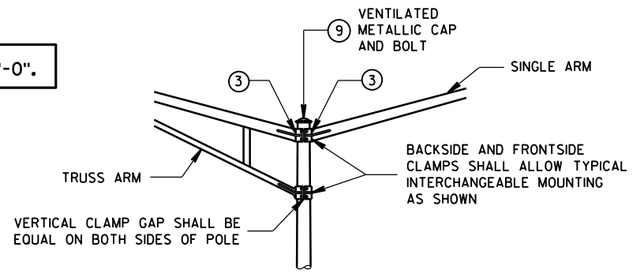
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN/BRIDGE FOR VERIFICATION AND APPROVAL.

*RISE FOR 4' ARM SHALL BE 2'-0".





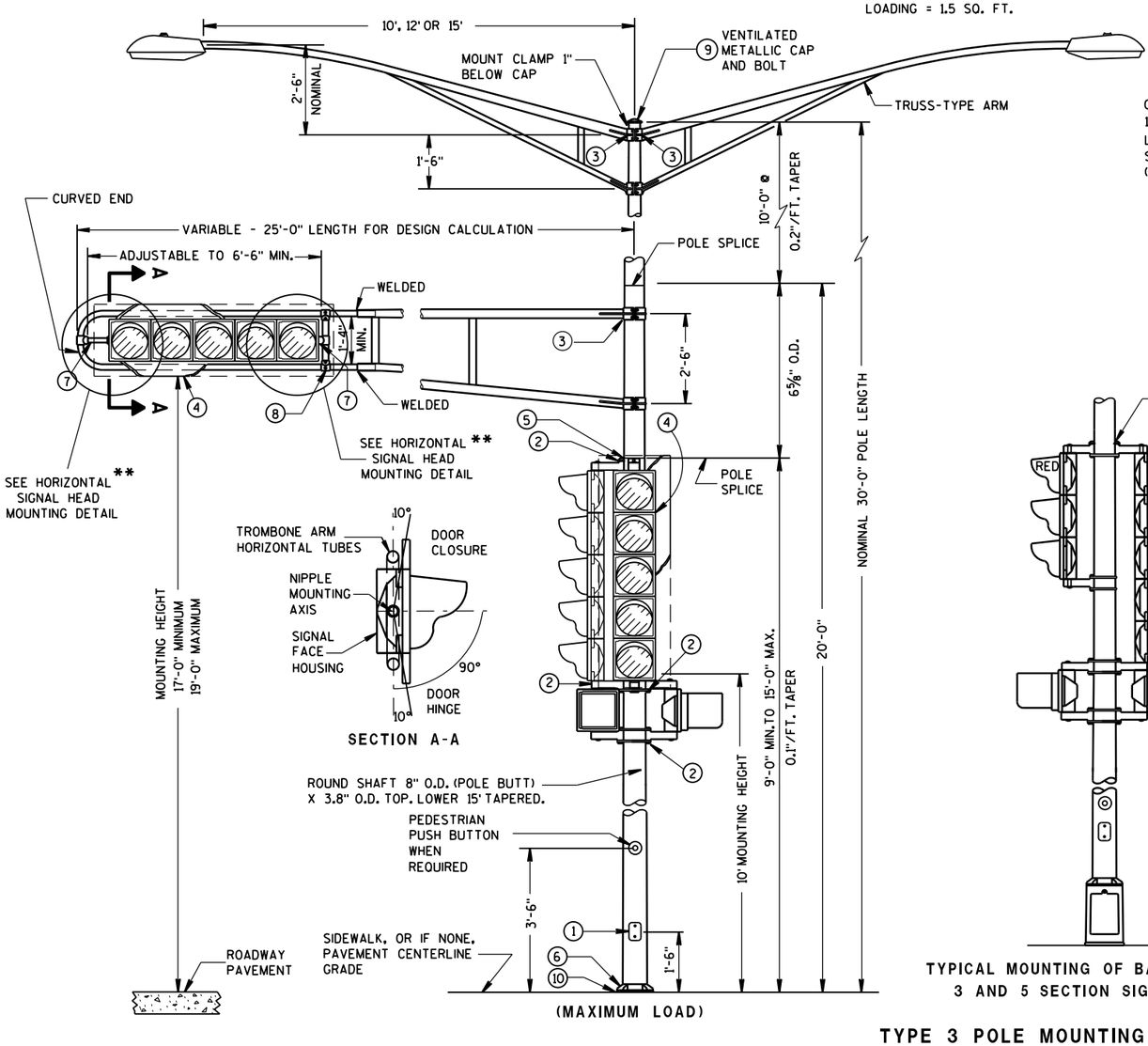
POLE SPLICE DETAIL

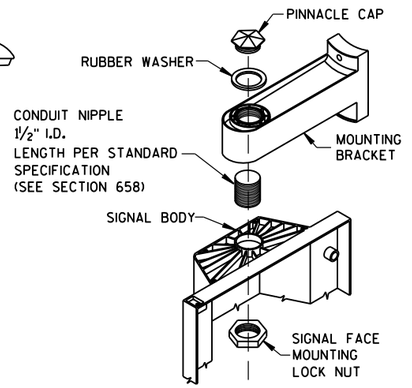


INTERCHANGEABLE MOUNTING DETAIL

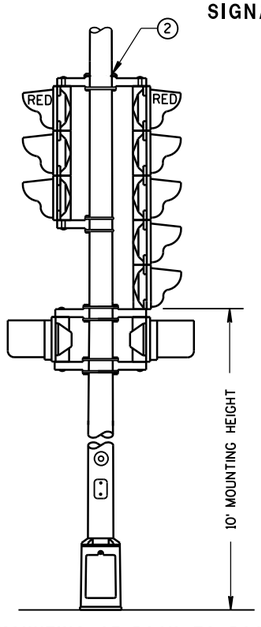
LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

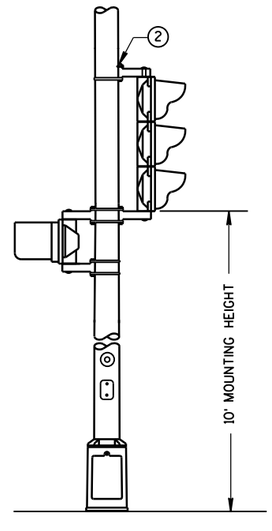




SIGNAL FACE MOUNTING DETAIL
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK
3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION
SIGNAL FACE

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

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.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

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 FACE.

(6) TYPE 3 POLE CONFIGURATIONS SHALL BE MOUNTED DIRECTLY TO THEIR CONCRETE BASES.

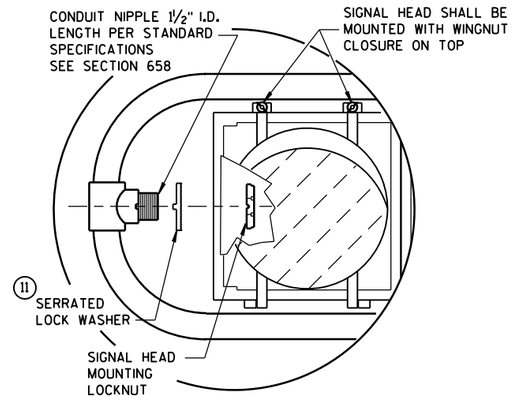
(7) MOUNTING BRACKET NIPPLES FOR THE SIGNAL FACE(S) SHALL BE 2 INCHES IN LENGTH AND 1½ INCHES IN DIAMETER. (SEE STANDARD SPECIFICATION - SECTION 658)

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (1/4 " X ¾" -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 POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL**

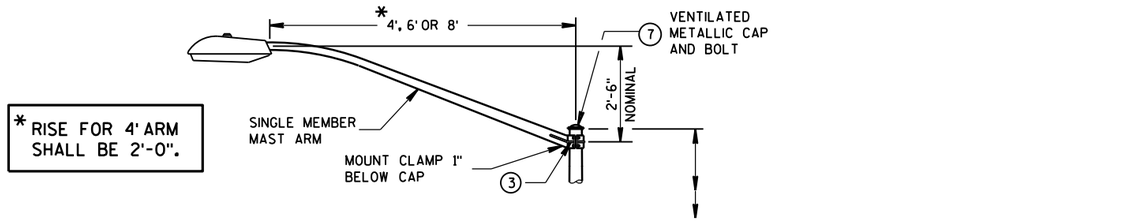
** SIGNAL HEAD ATTACHMENT ALSO APPLYS TO MOUNTING AT CROSS BAR

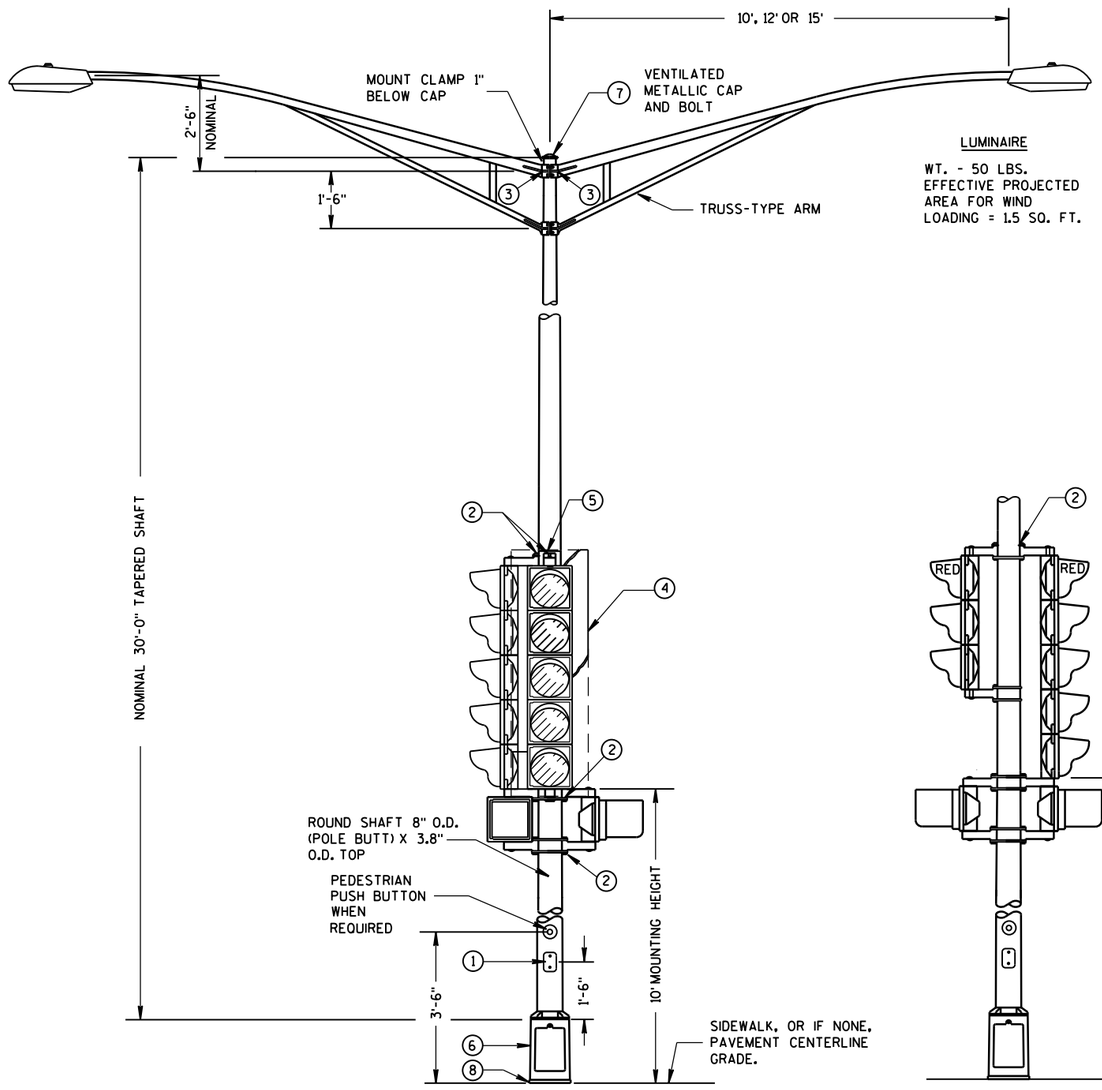
TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 337

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S.D.D. 9 E 1-12b

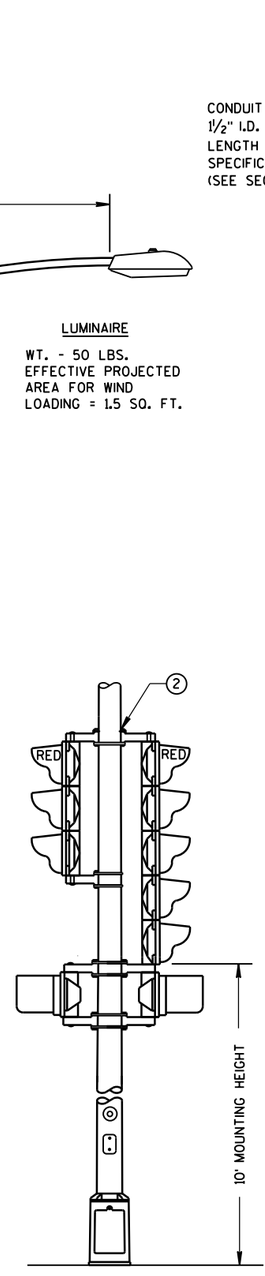




LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED AREA FOR WIND LOADING = 1.5 SQ. FT.

(MAXIMUM LOAD)

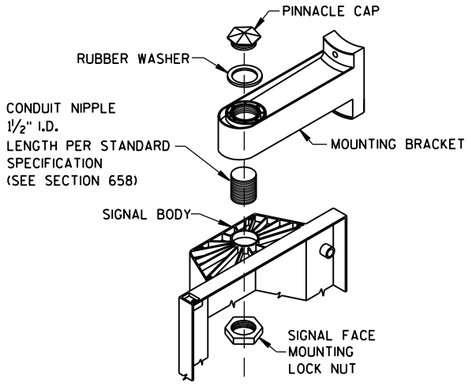


TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

TYPE 4 POLE MOUNTING CONFIGURATION



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.

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, 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.

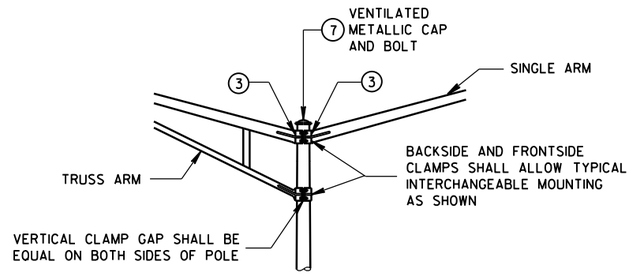
(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(7) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.



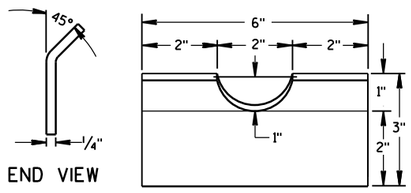
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

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DEPARTMENT OF TRANSPOR

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S.D.D. 9 E 1-12c

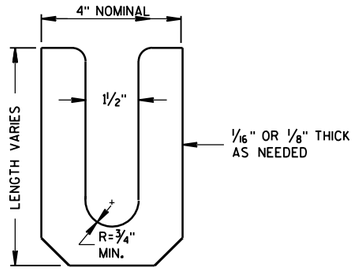


END VIEW

FRONT VIEW

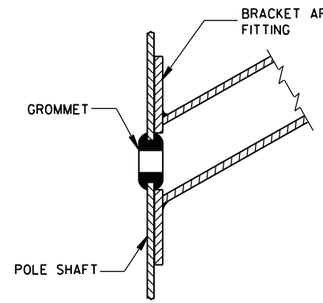
RECTANGULAR CLAMP SHIM

(4 TO A SET)

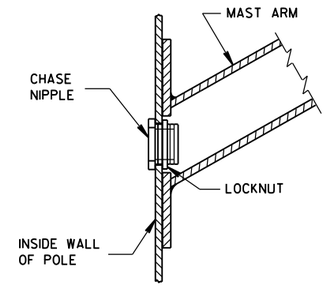


LEVELING SHIM (15)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) OUTSIDE SHIM DIAMETER - (4.5" O.D. FOR LUMINAIRE MAST ARM)
(6.625" O.D. FOR TROMBONE MAST ARM)

(14) VARIABLE SHIM THICKNESS - (0.10", 0.25", 0.35", 0.53" OR 0.70")

SHIM THICKNESS FOR TROMBONE MAST ARMS MAY BE TYPICALLY 0.25", 0.35", 0.53" OR 0.70".

SHIM THICKNESS FOR LUMINAIRE MAST ARMS MAY BE TYPICALLY 0.10", 0.25" OR 0.35".

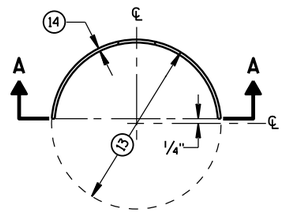
SHIM MATERIAL SHALL BE ALUMINUM ALLOY.

SHIM THICKNESS SHALL BE IMPRESSED INTO EACH SHIM. NUMERALS SHALL BE 1/4" HIGH AND LEGIBLE.

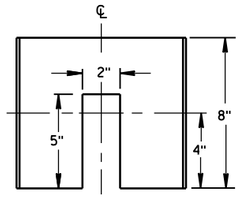
THE CONTRACTOR SHALL SUBMIT TWO COPIES OF ALL SHIM SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.

(15) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



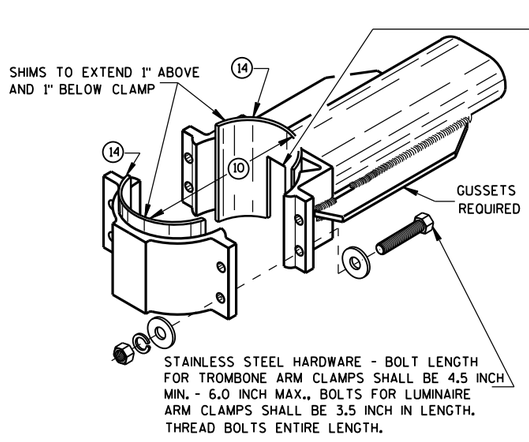
PLAN VIEW



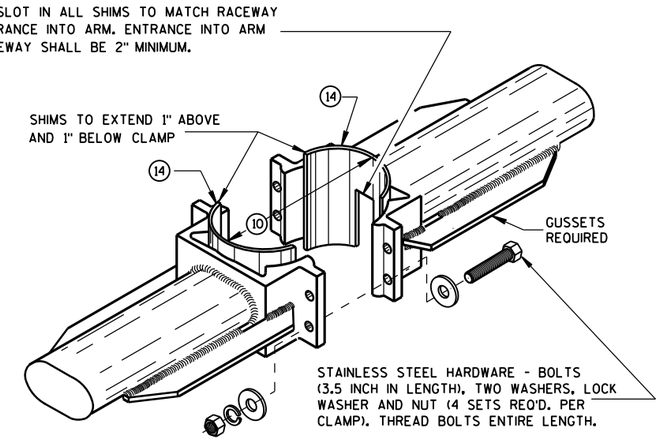
SECTION A-A

CIRCULAR CLAMP SHIM

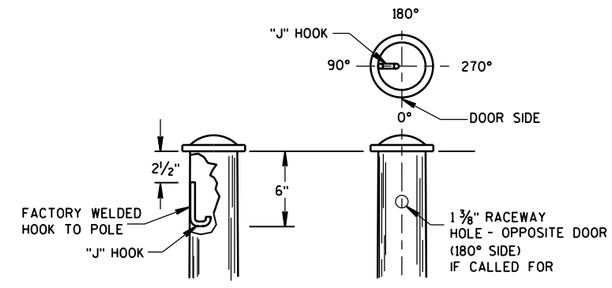
(2 TO A SET)



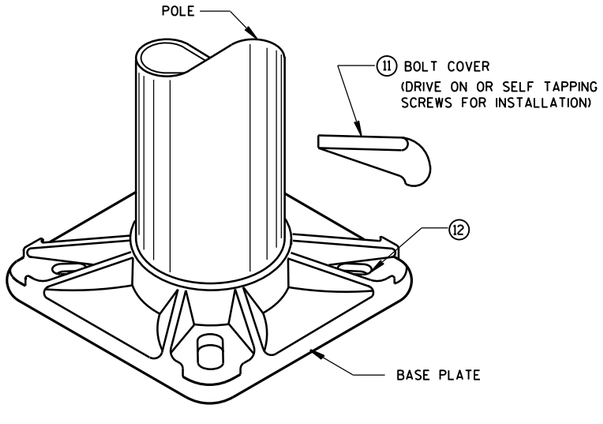
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



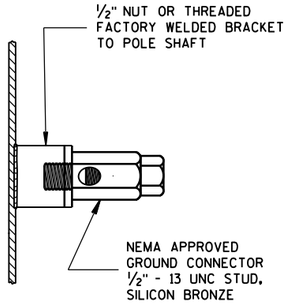
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

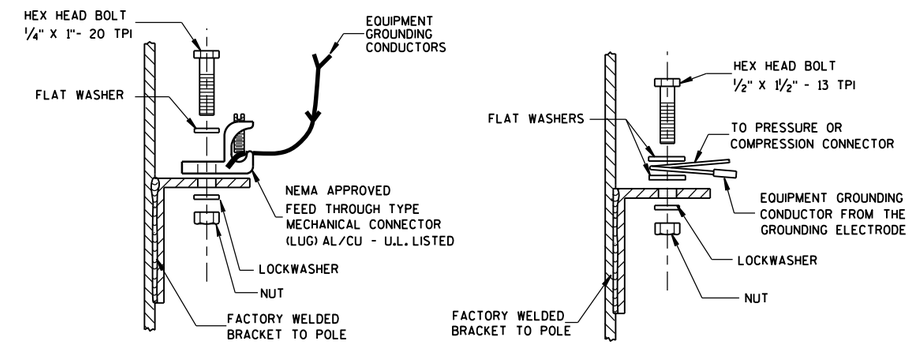


TYPICAL "J" HOOK LOCATION



BASE PLATE





TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

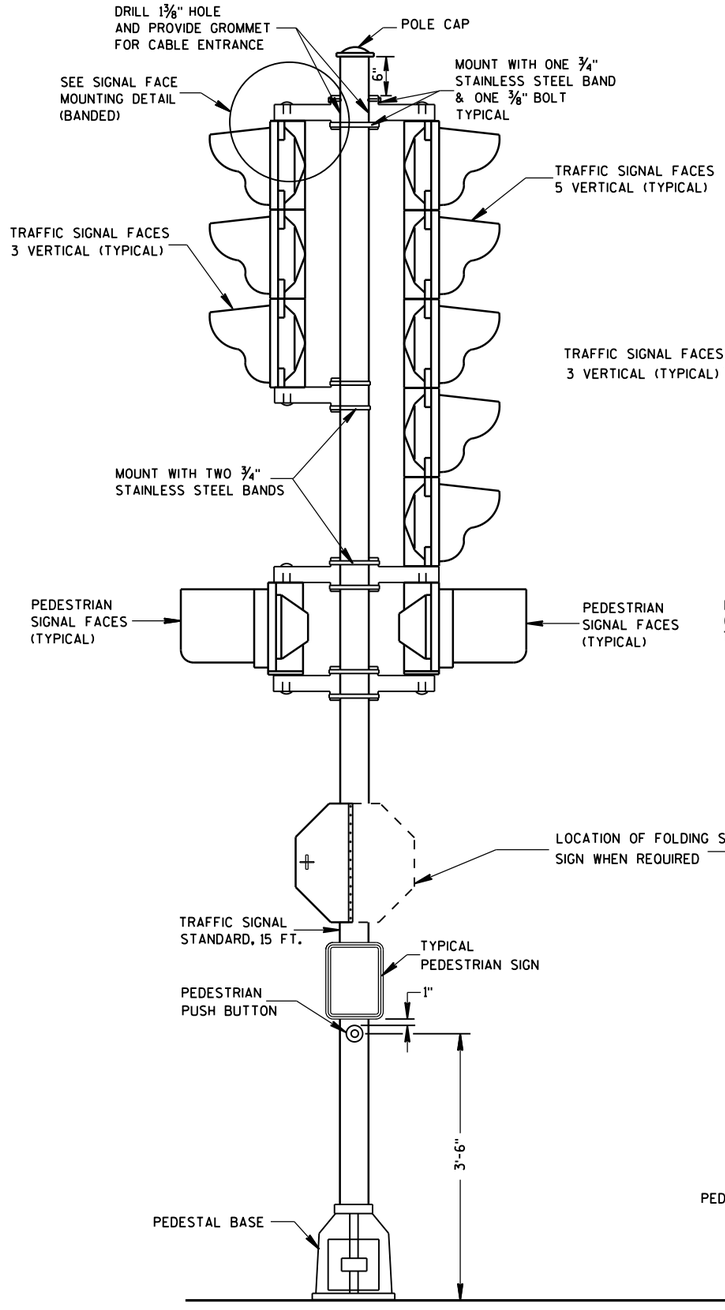
APPROVED
2/7/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 339
FHWA

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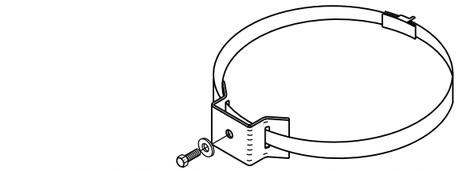
S.D.D. 9 E 1-12g

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S.D.D. 9 E 1-12g

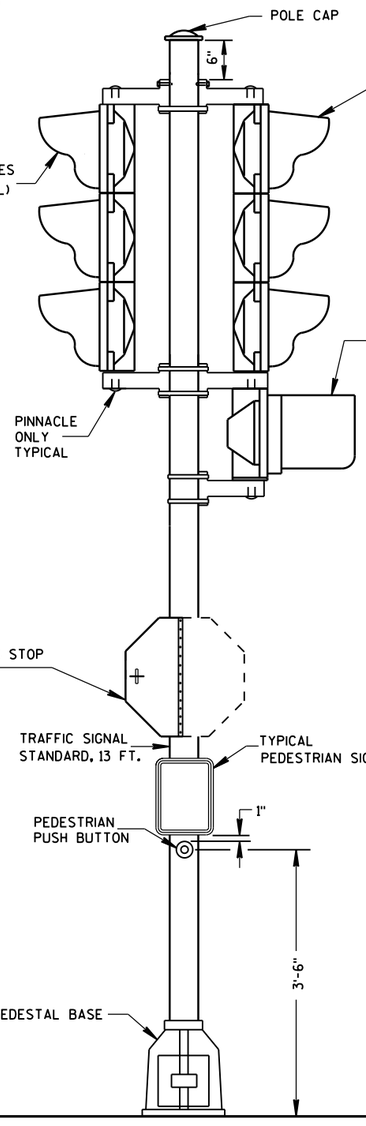


TRAFFIC SIGNAL STANDARD-15 FT.

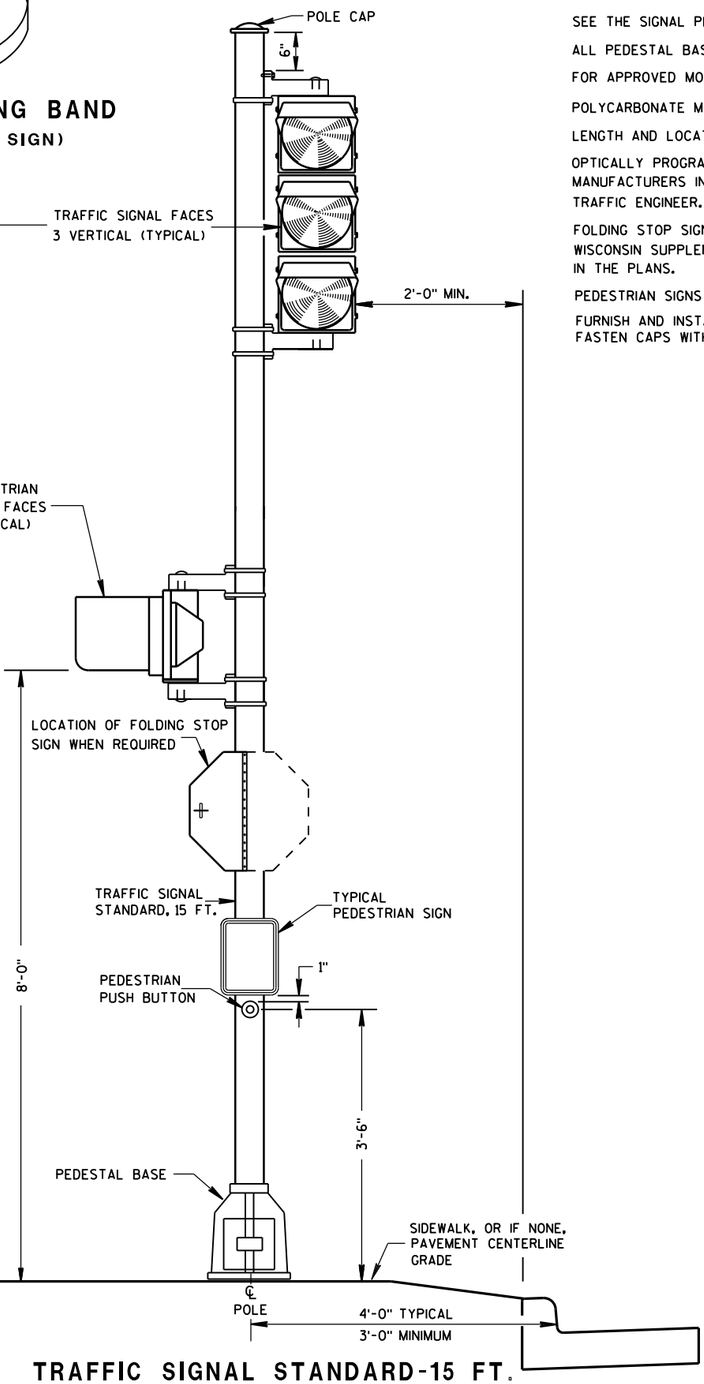


TYPICAL SIGN MOUNTING BAND

(TOP AND BOTTOM OF SIGN)



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.

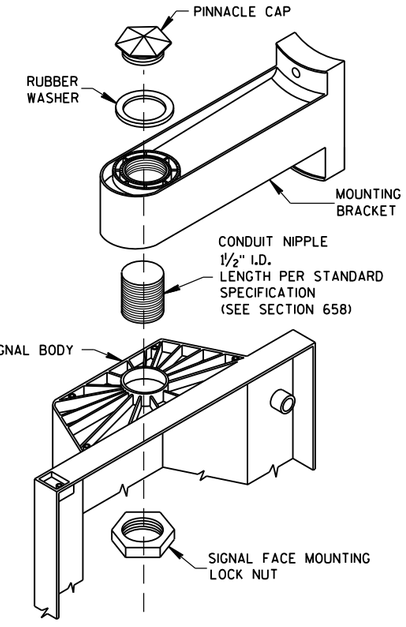
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL

(BANDED)

TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

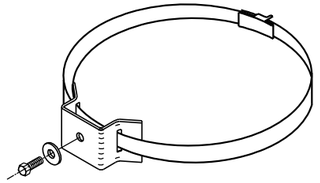
/S/ Ahmet Demirbilek
STATE ELECTRICAL

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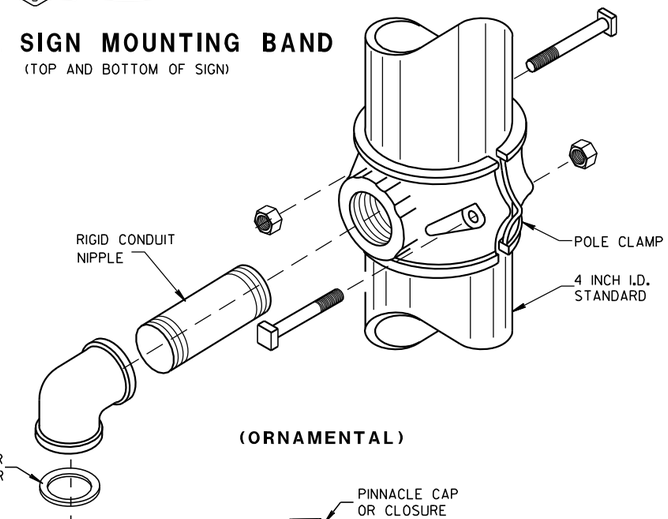
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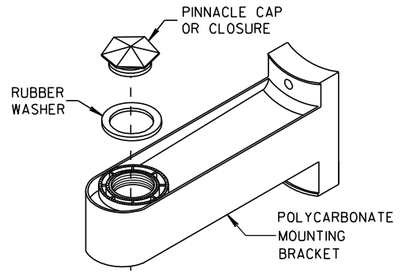
S.D.D. 9 E 6-5



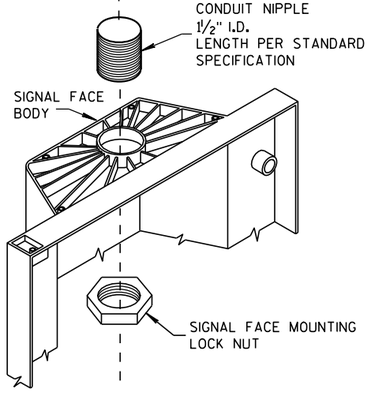
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



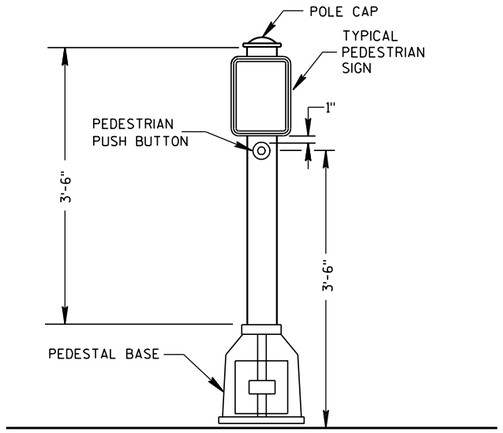
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

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.

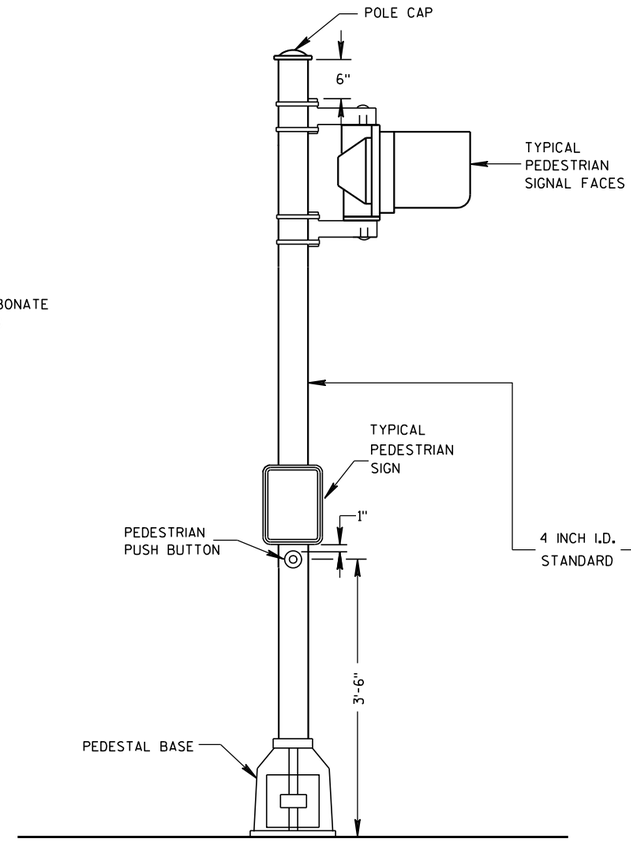
POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

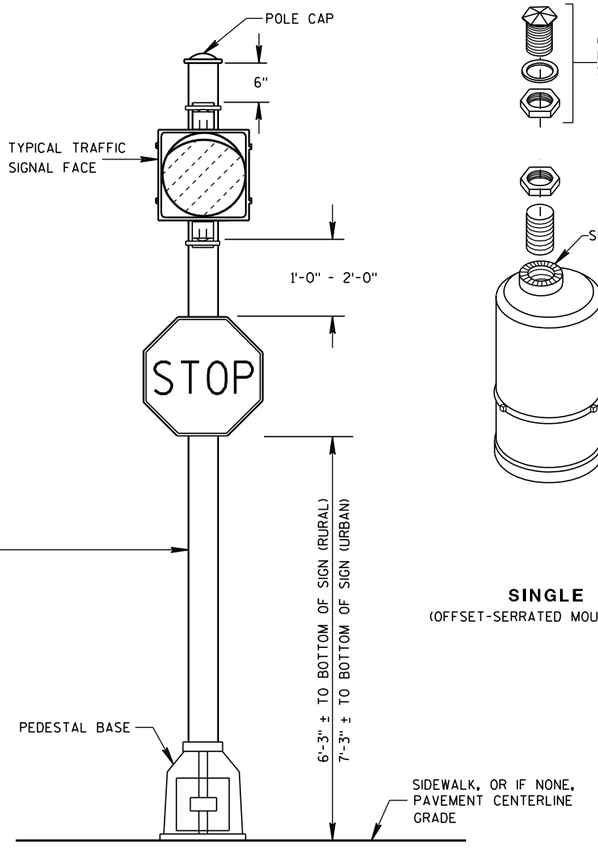
MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE DISTRICT TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

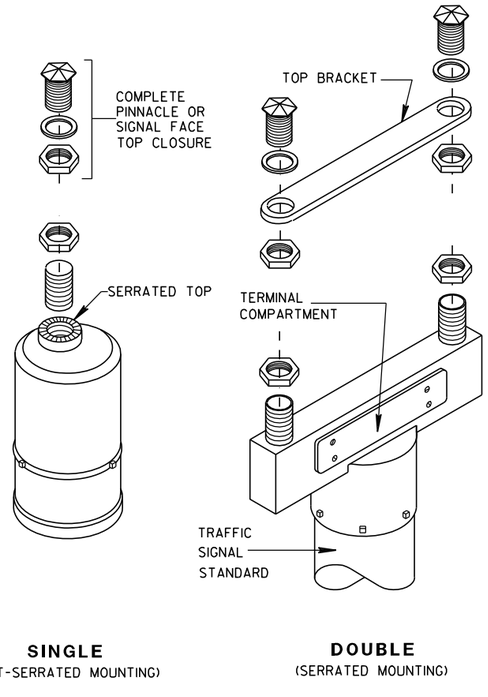
FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



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

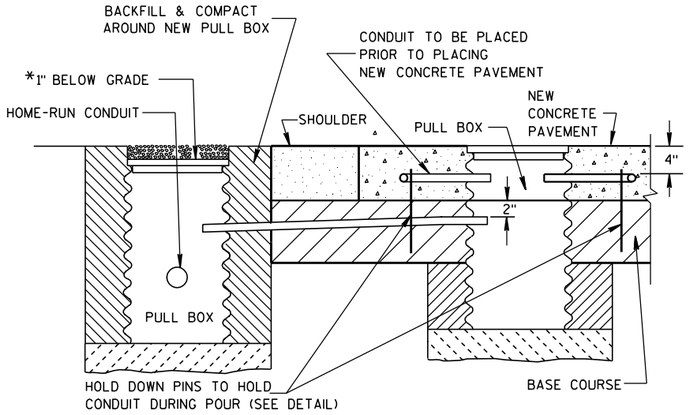
HWYS

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S.D.D. 9 E 7-5

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S.D.D. 9 E 7-5



SECTION A-A
NO CURB & GUTTER
LOOP DETECTOR 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.

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.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

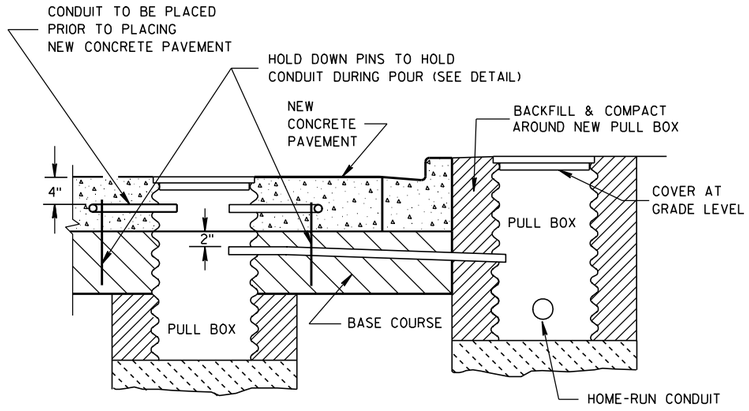
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

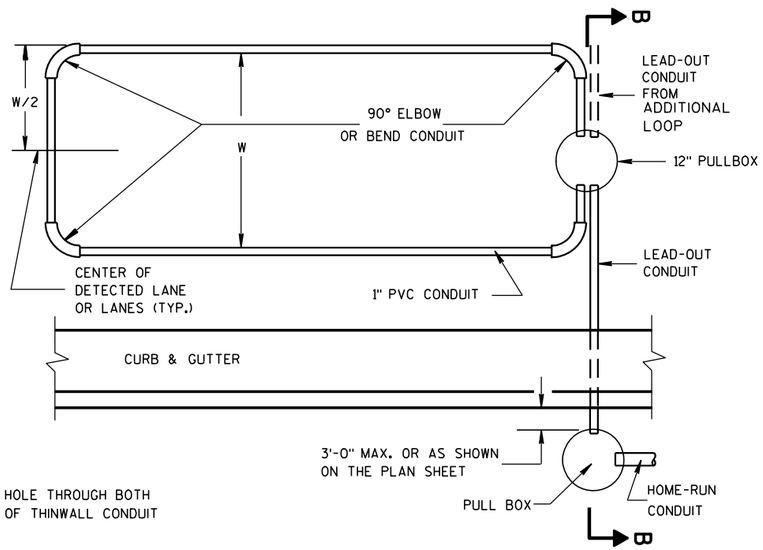
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

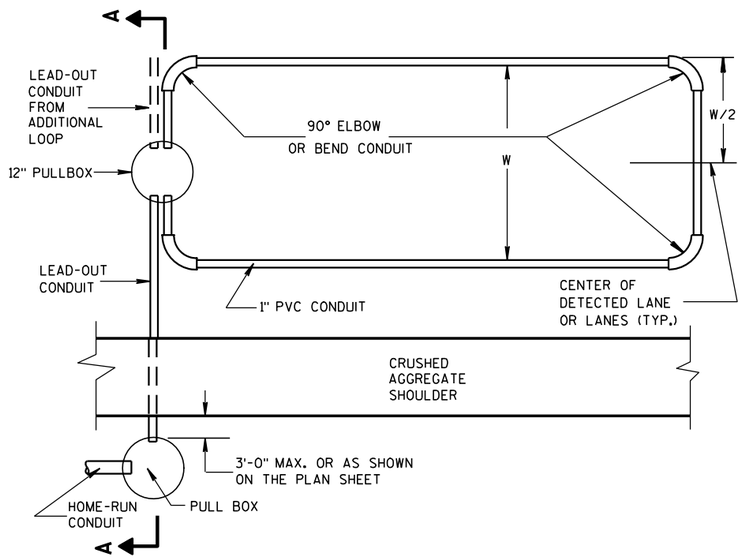
12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



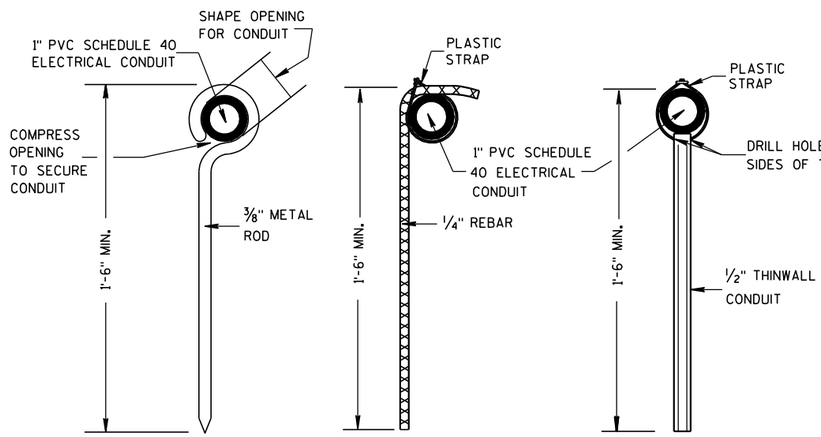
SECTION B-B
CURB & GUTTER
LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR
WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR
WITH 12" PULLBOX



TYPICAL DETAILS FOR HOLD DOWN PINS

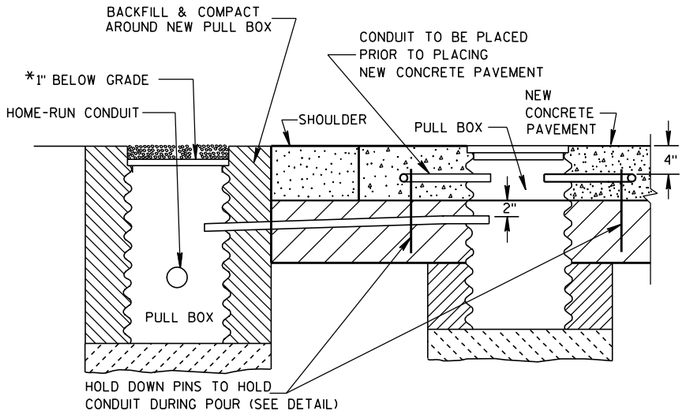
LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/7/06	/S/ Balu Ananthanarayanan
DATE	STATE ELECTRICAL ENGI 342 HWYS

FHWA



SECTION A-A
NO CURB & GUTTER

LOOP DETECTOR 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.

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.

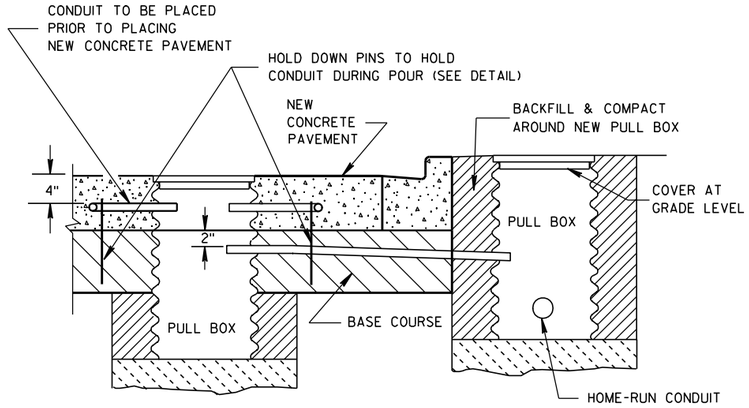
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

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, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

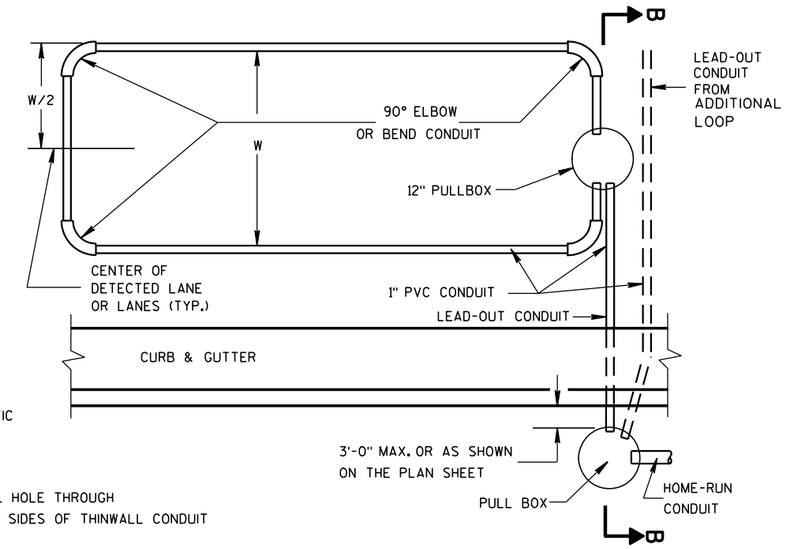
PROTECTION OF THE PULL BOX AND RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.

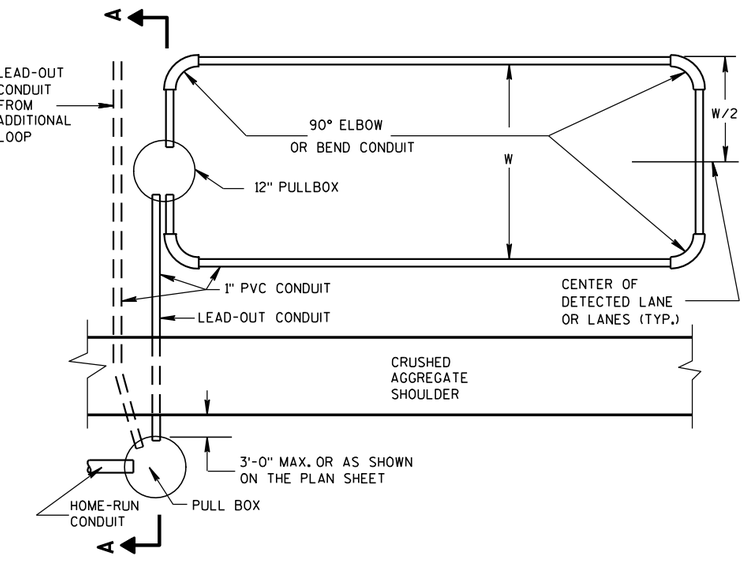


SECTION B-B
CURB & GUTTER

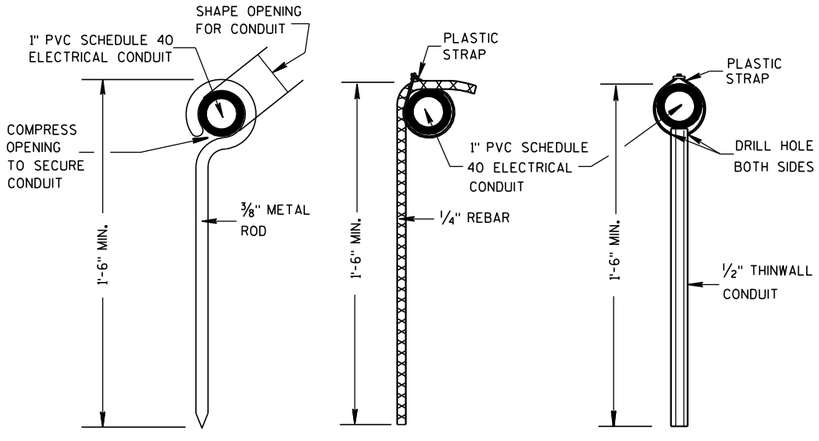
LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR
WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR
WITH 12" PULLBOX



TYPICAL DETAILS FOR HOLD DOWN PINS

LOOP DETECTOR INSTALLED
IN NEW CONCRETE PAVEMENT
ROUND CSCP PULLBOX
(MULTIPLE LEAD-OUT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/7/06 — DATE

/S/ Balu Ananthar [illegible] an — STATE ELECTRICAL ENGI 343 HWYS

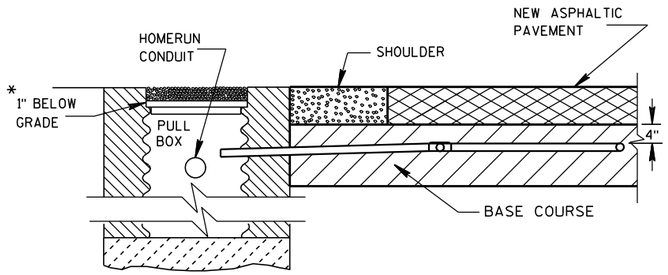
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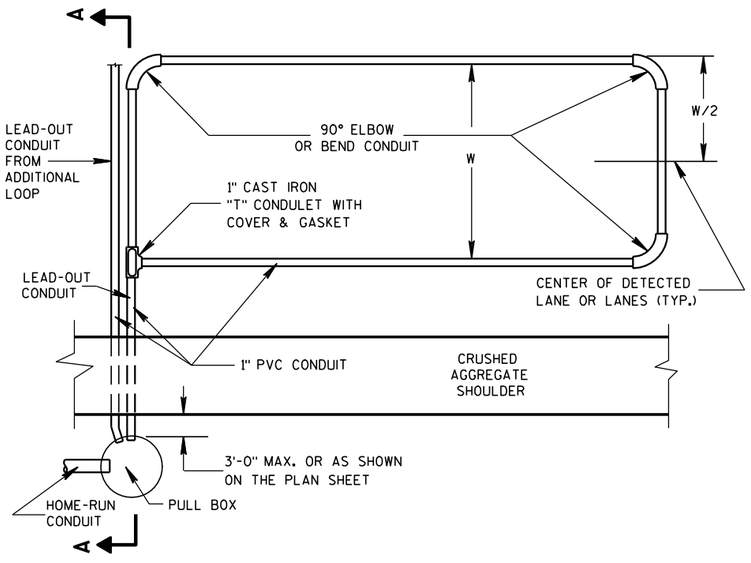
S.D.D. 9 F 5-3



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.

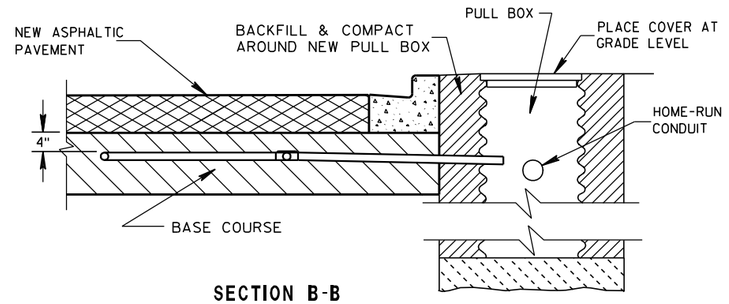
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

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.

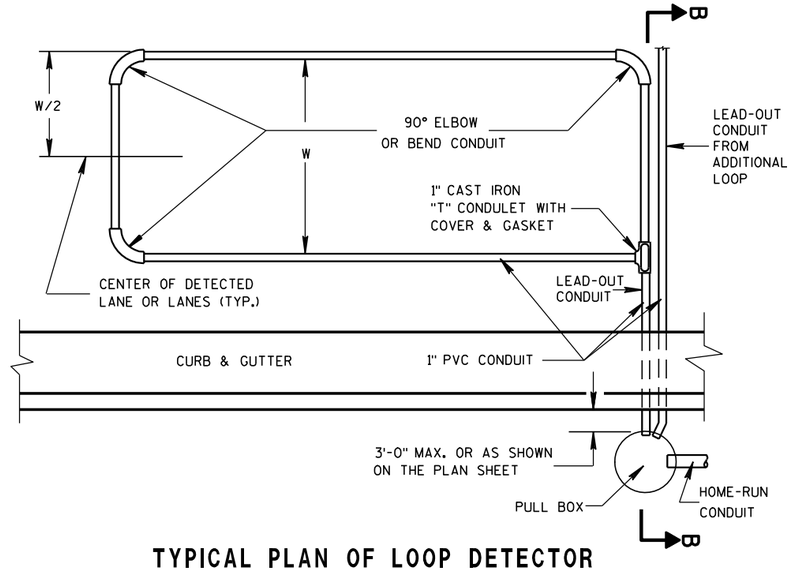
SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT 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

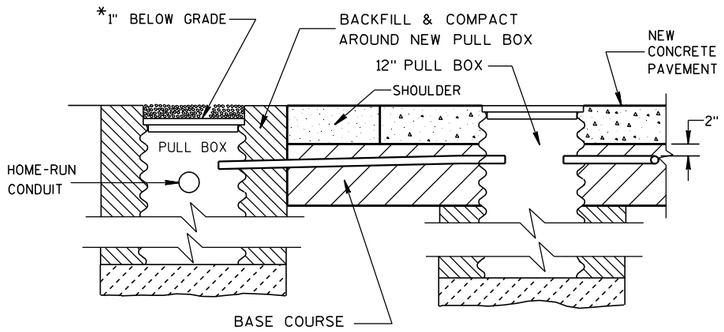
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SECTION A-A

NO CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

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

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS 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.

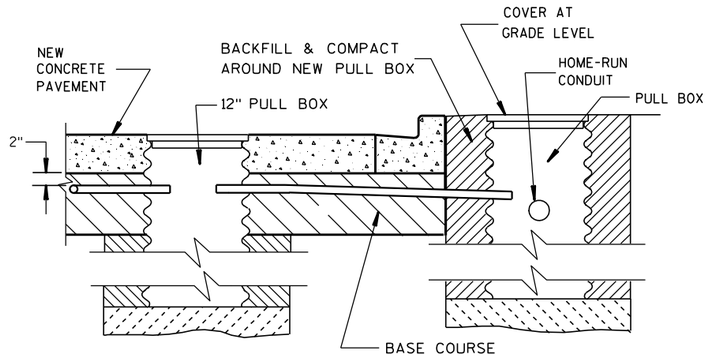
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SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET AND PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE NEW CONCRETE PAVEMENT IS PLACED.

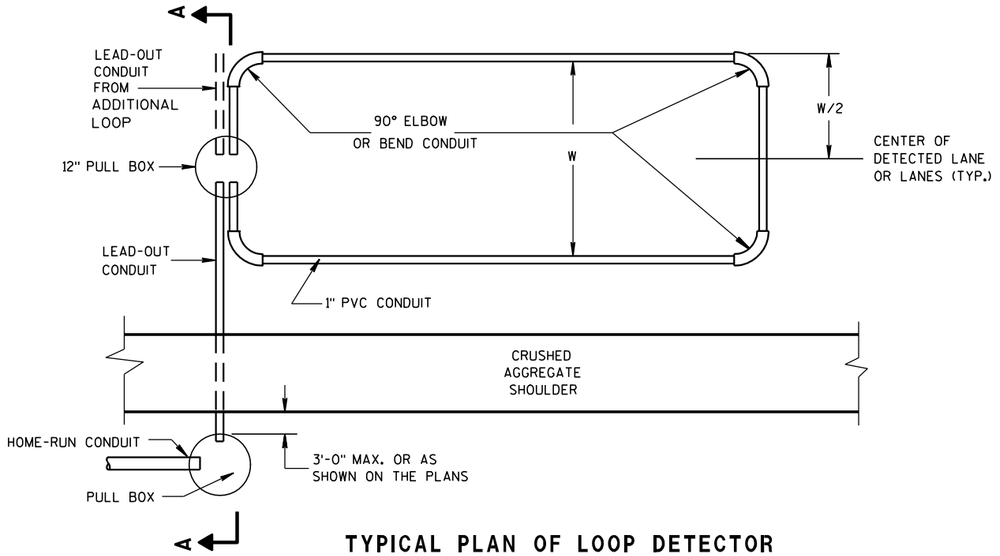
12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



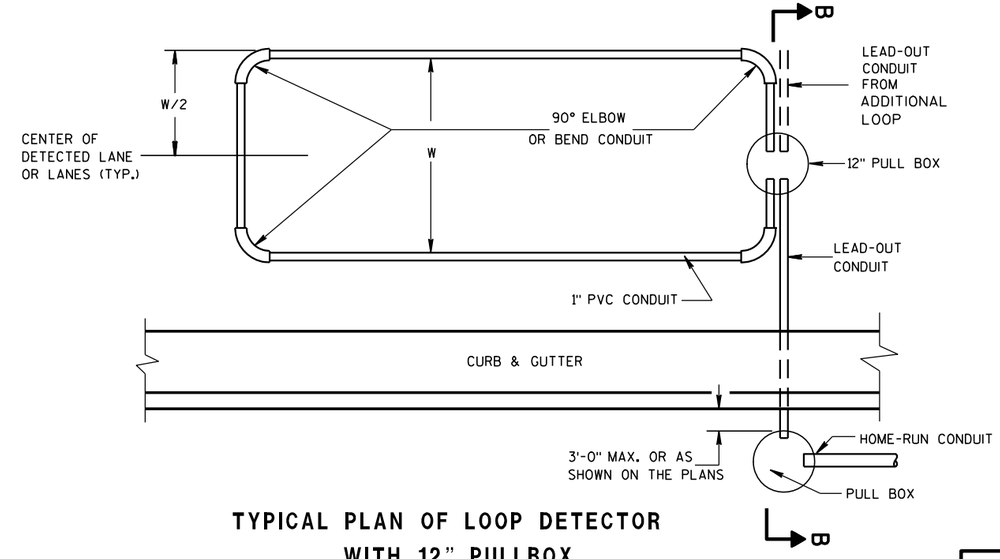
SECTION B-B

CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAILS



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMNET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6-7-06 DATE — /S/ Balu Ananthanarayanan, STATE ELECTRICAL ENGI — HWYS

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S.D.D. 9 F 9-3

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S.D.D. 9 F 9-3

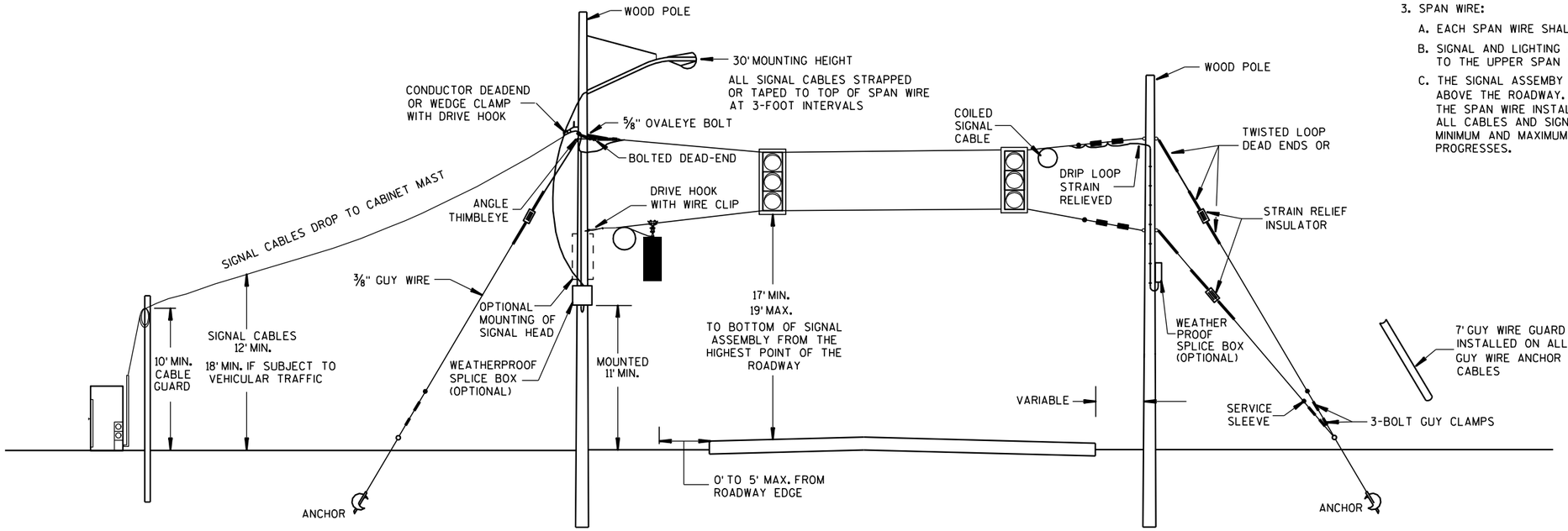
GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

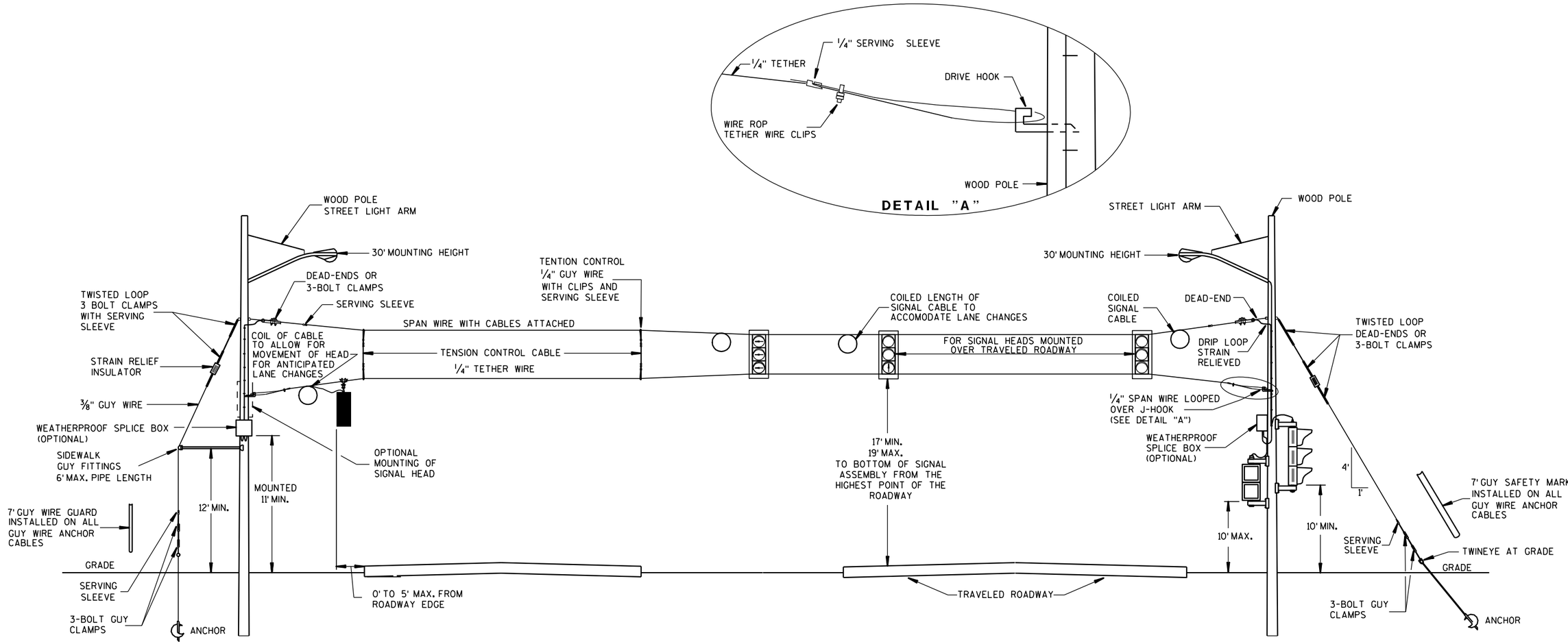
APPROVED

7-14-08 DATE

/S/ Balu Ananthar [illegible] n
STATE ELECTRICAL ENGI 346 HWYS

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S.D.D. 9 G 1-3a



GENERAL NOTES

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

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-14-08 DATE

/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 347 HWYS

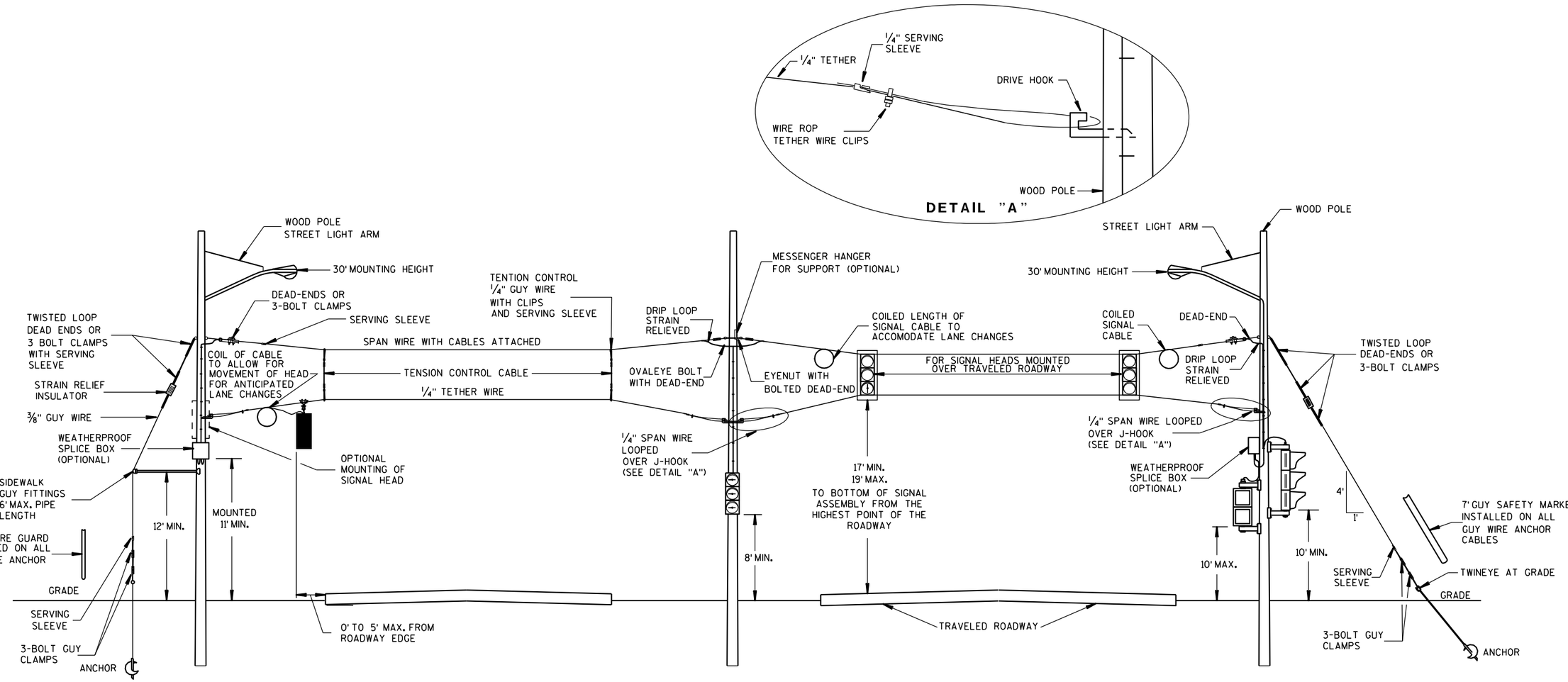
FHWA

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S.D.D. 9 G 1-3b

6

S.D.D. 9 G 1-3b



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

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MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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7-14-08 DATE

/S/ Balu Aganthangarayanan
STATE ELECTRICAL ENGI

348 HWYS

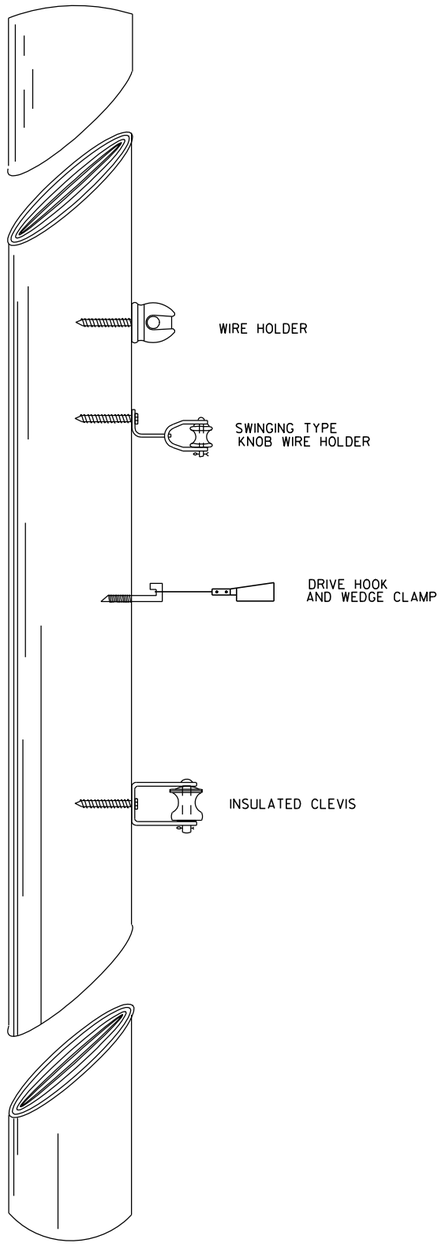
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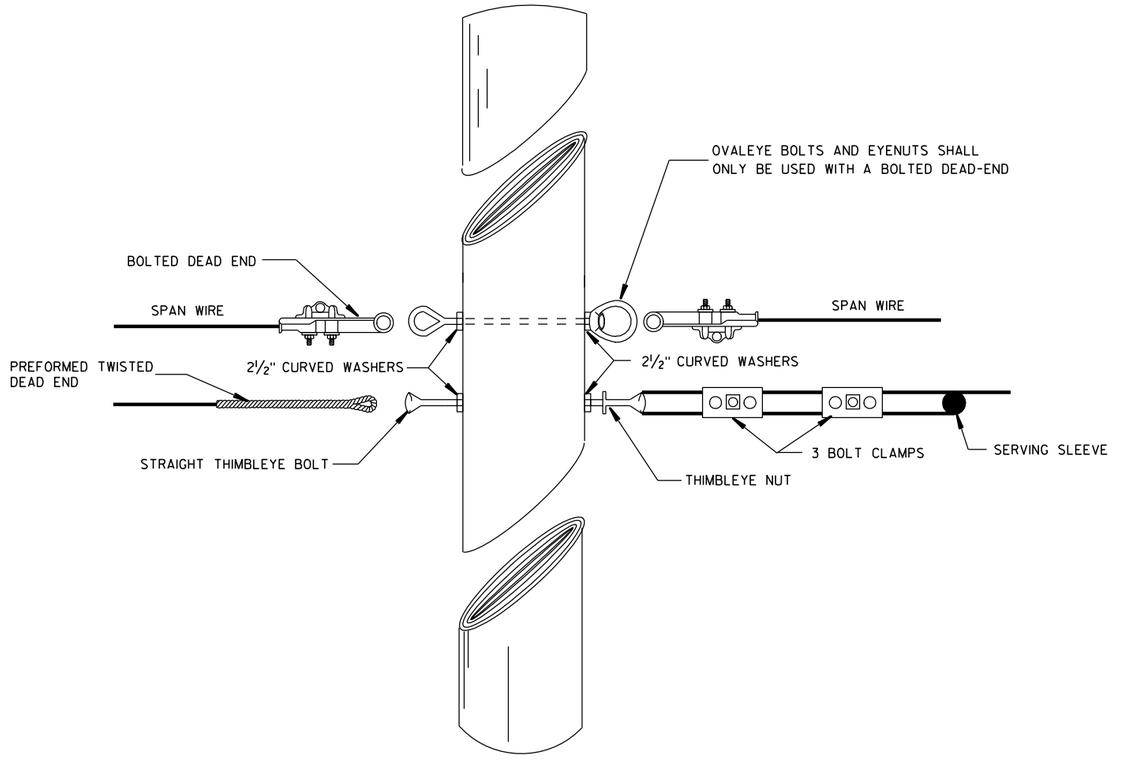
S.D.D. 9 G 1-3c

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S.D.D. 9 G 1-3c



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

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S.D.D. 9 G 1-3d

S.D.D. 9 G 1-3d

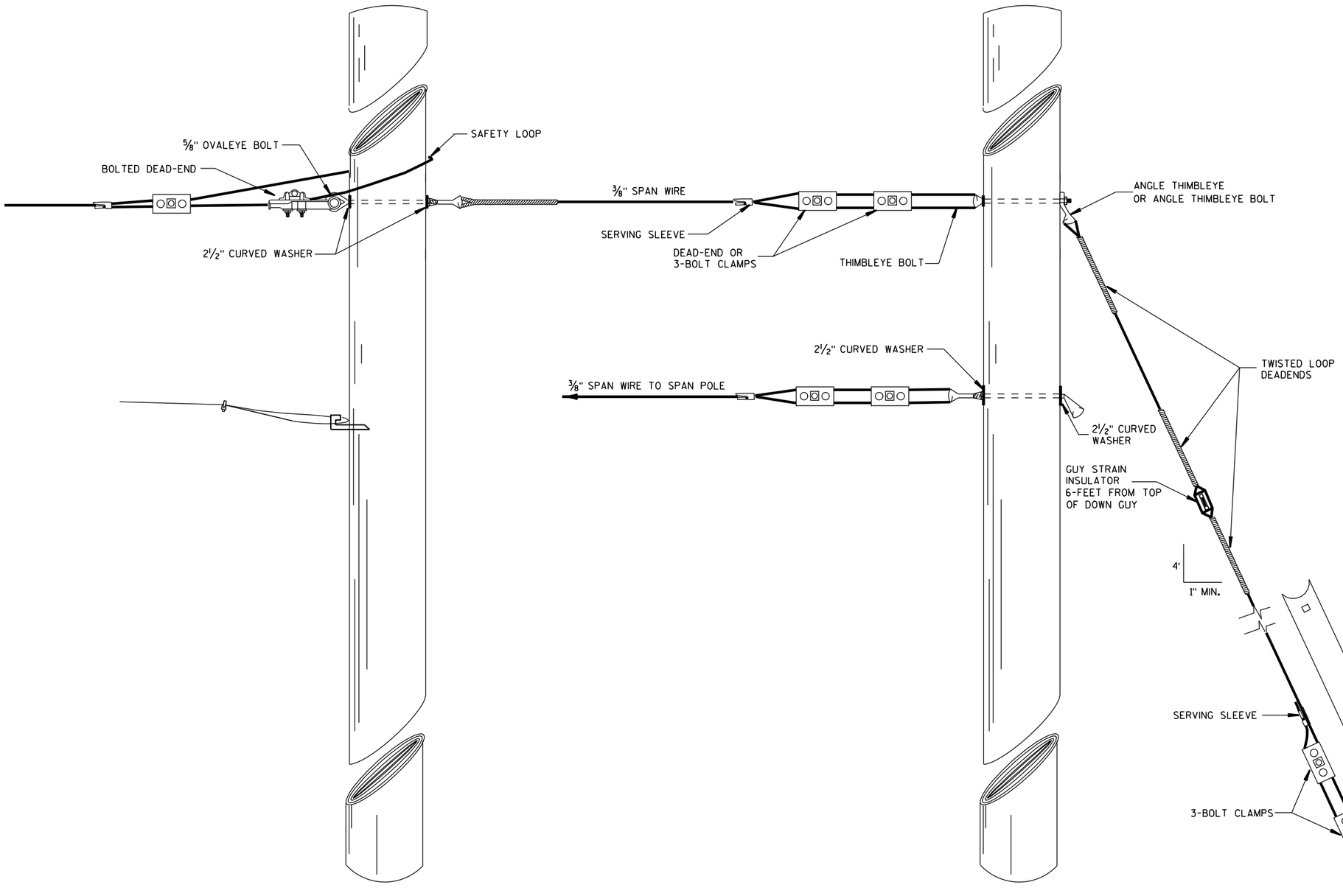
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 — DATE
/S/ Balu Ananthanarayanan — STATE ELECTRICAL ENGI
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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

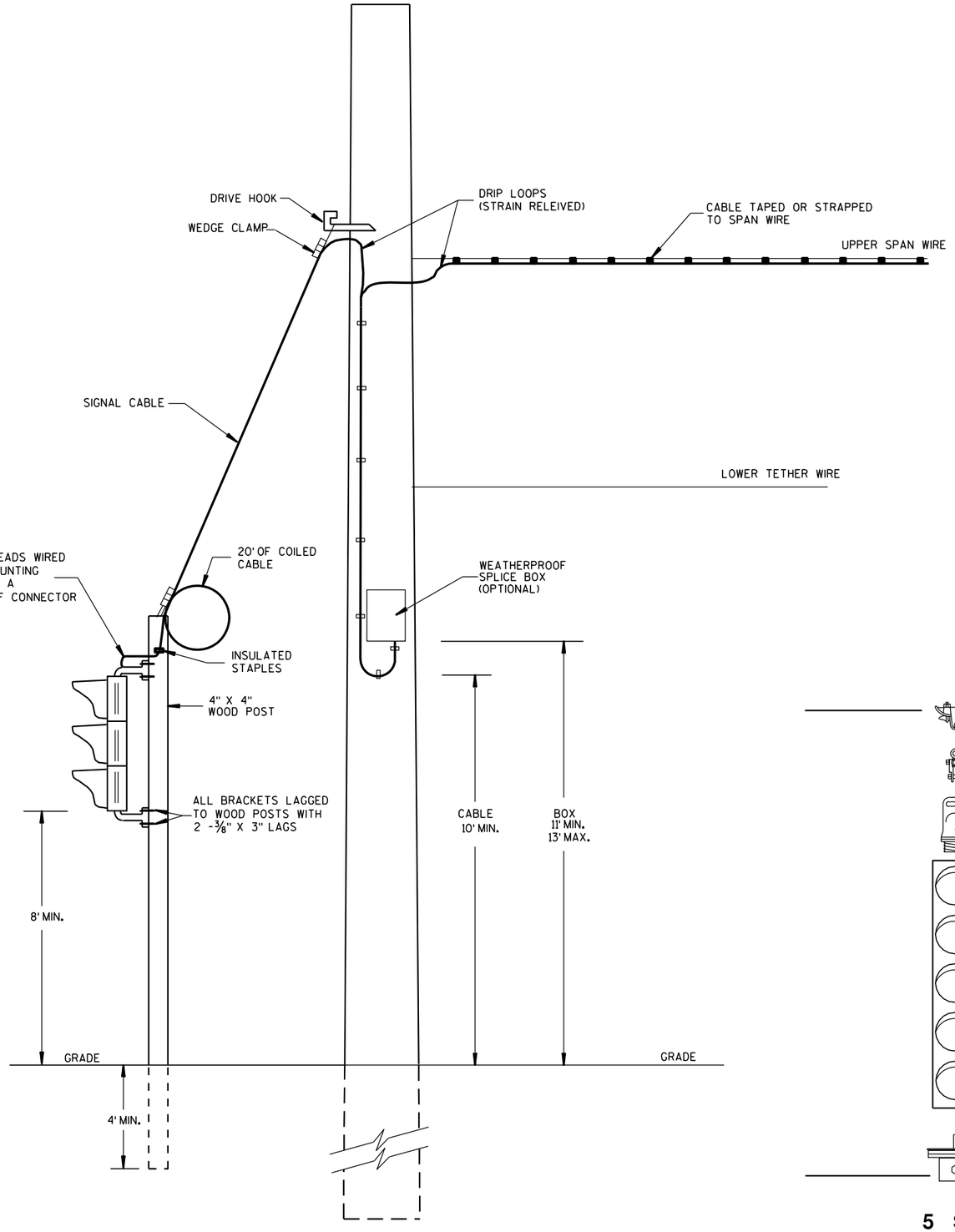
TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

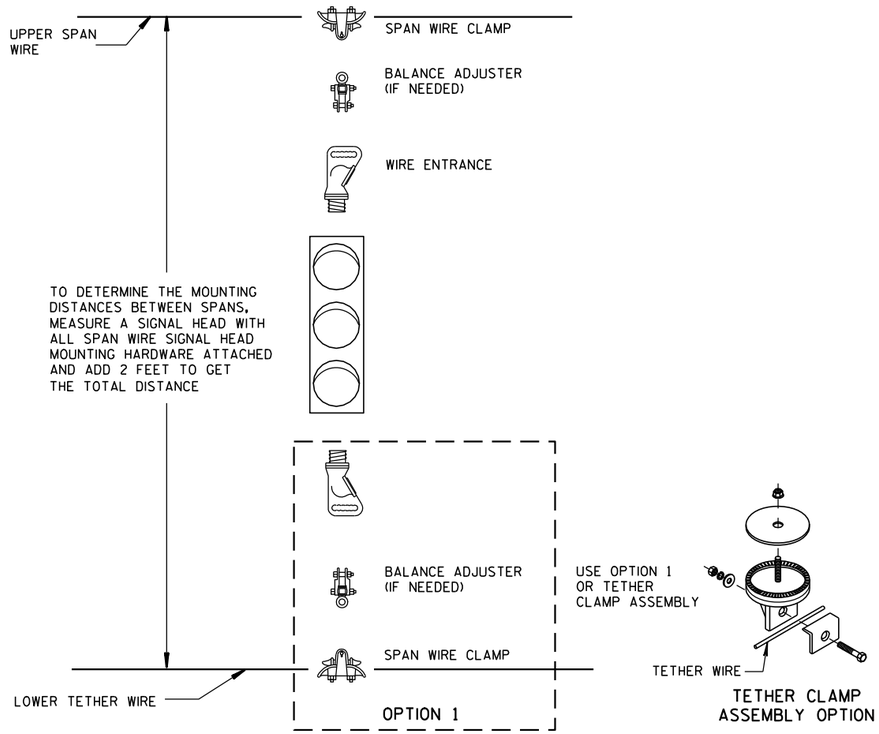
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7-14-08 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 350 HWYS
FHWA

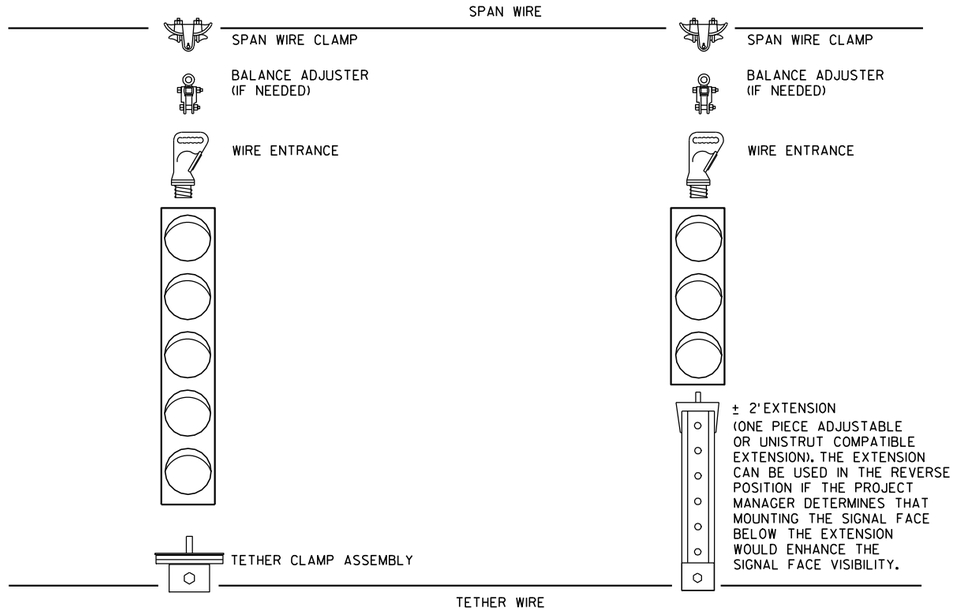
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S.D.D. 9 G 1-3e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

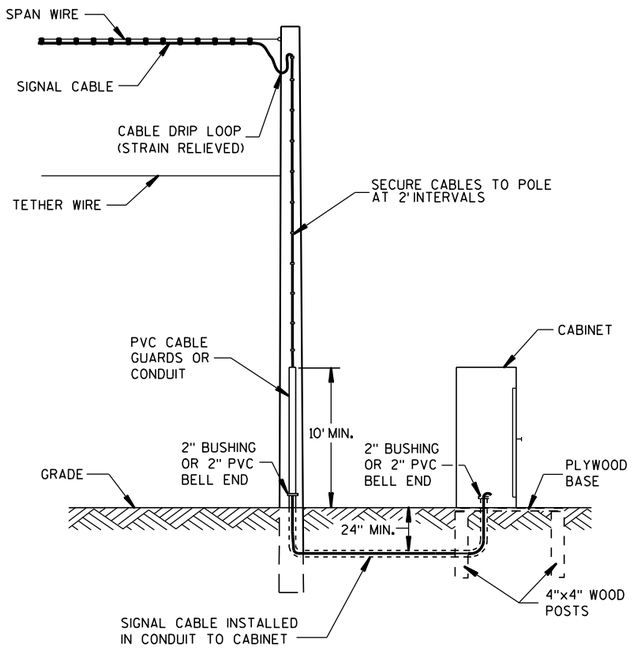
APPROVED
7-14-08
DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI 351 HWYS
FHWA

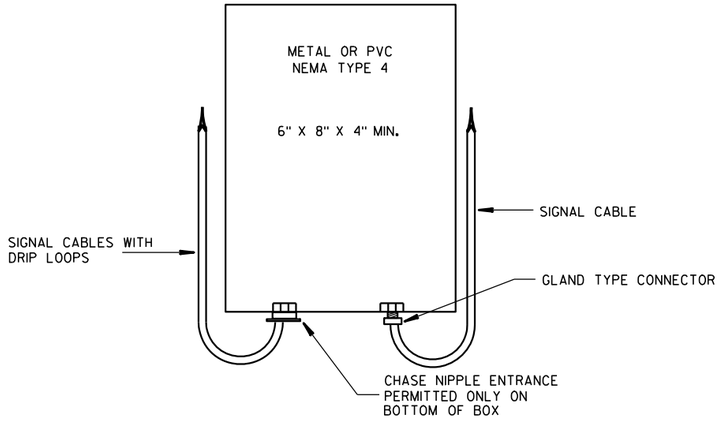
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S.D.D. 9 G 1-3f

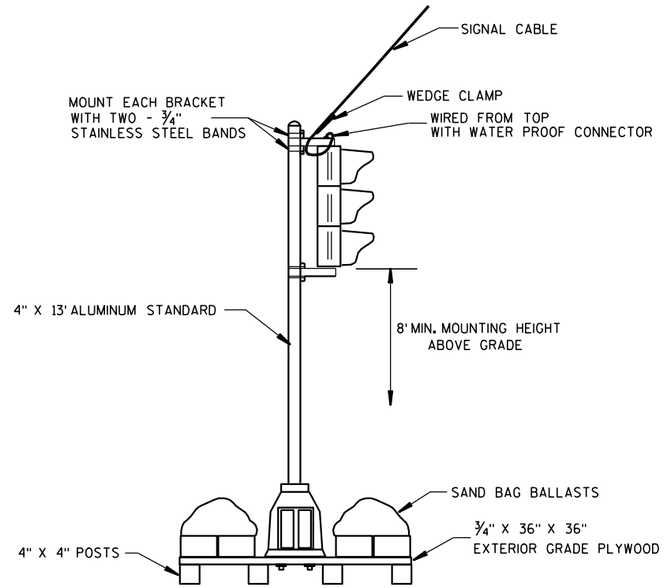
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S.D.D. 9 G 1-3f

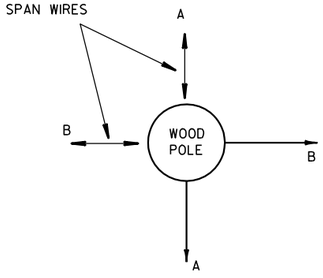




SPLICE BOX

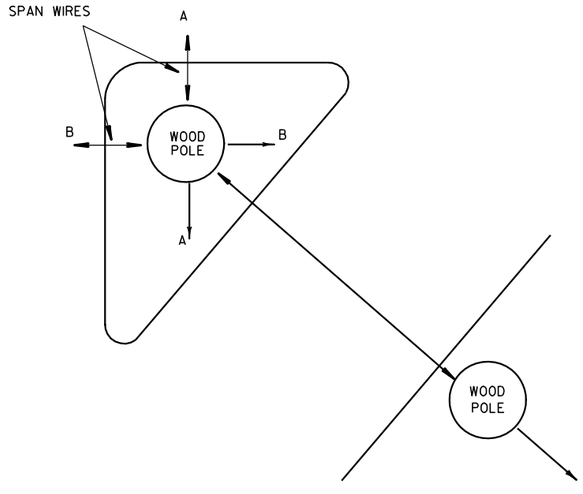


TYPICAL SKID TYPE TEMPORARY

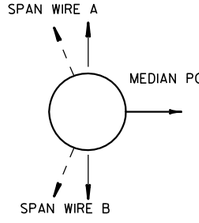


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



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 Ananthanarayanan
STATE ELECTRICAL ENGI

352

HWYS

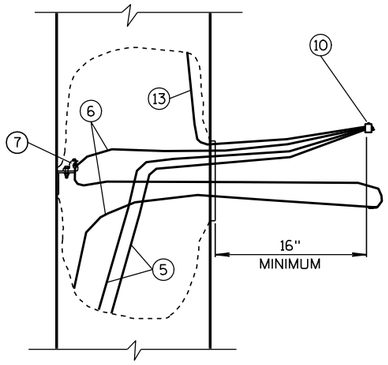
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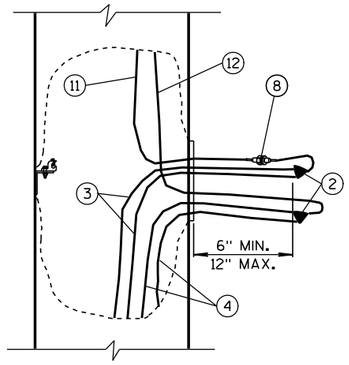
S.D.D. 9 G 1-3g

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S.D.D. 9 G 1-3g

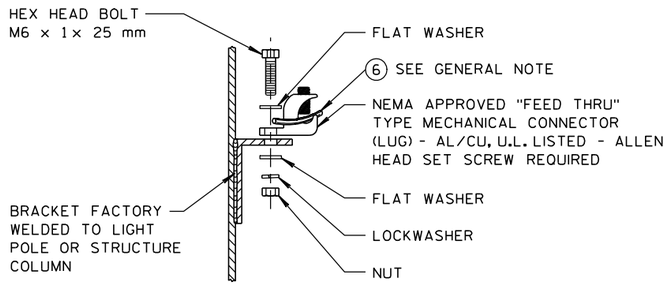


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



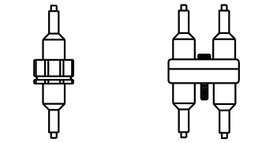
HANDHOLE GROUNDING LUG

(NUT, BOLT, WASHERS, AND LOCK WASHERS SHALL BE STAINLESS STEEL)

CONDUCTOR COLOR CODES

KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



FUSE ASSEMBLIES

GENERAL NOTES

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

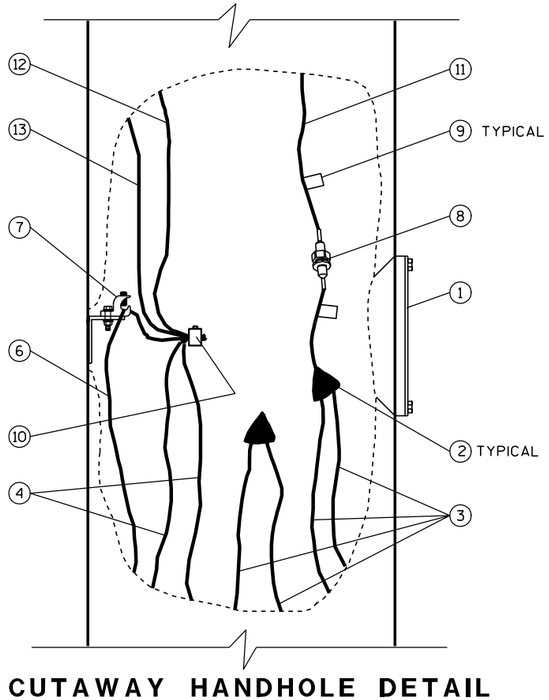
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

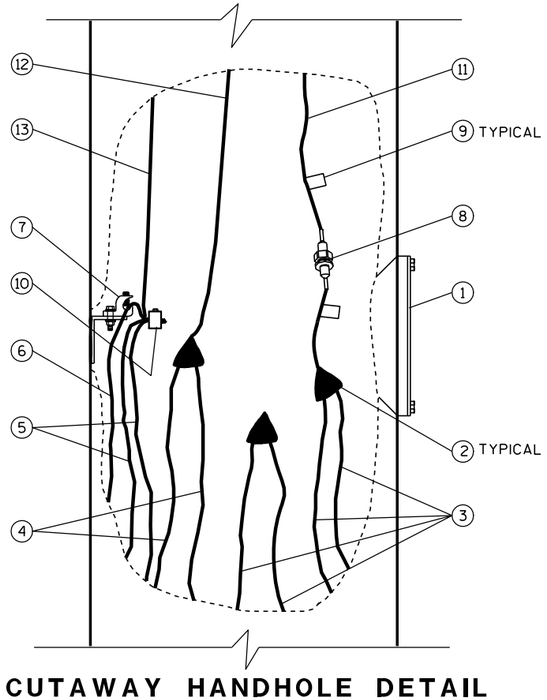
THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

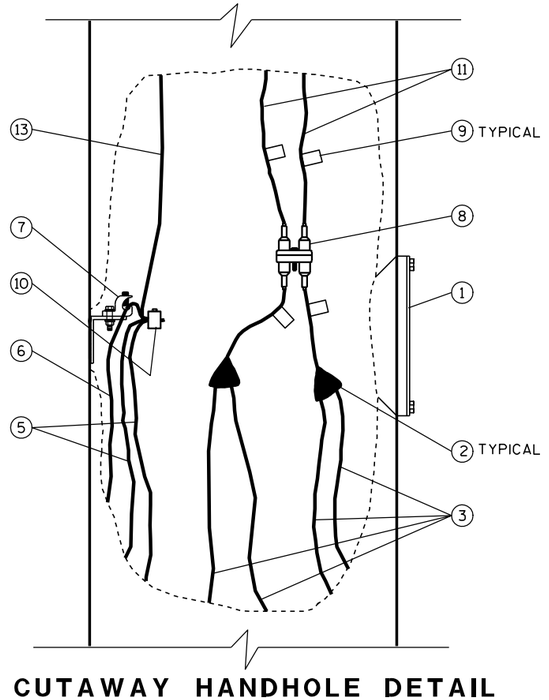
CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



CUTAWAY HANDHOLE DETAIL
GROUNDED NEUTRAL SYSTEMS
1-φ



CUTAWAY HANDHOLE DETAIL
ISOLATED NEUTRAL SYSTEMS
1-φ SHOWN; 3-φ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL
PHASE-TO-PHASE SYSTEMS
1-φ SHOWN; 3-φ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

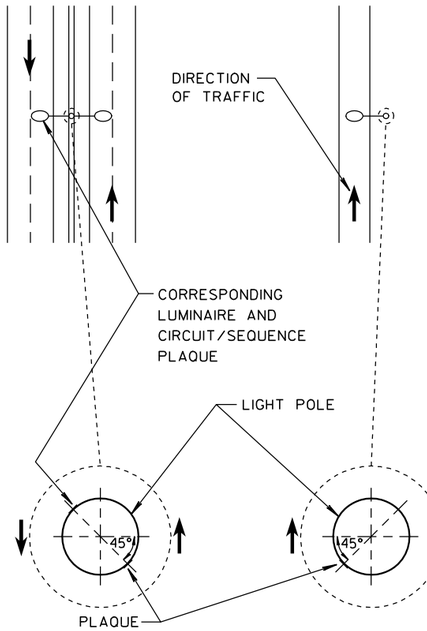
1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/25/2010 DATE
/S/ John Corbin STATE ELECTRICAL ENGI
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HWYS



MEDIAN POLE **SINGLE ARM POLE**

LOCATION OF LIGHT POLE CIRCUIT/SEQUENCE PLAQUE

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

WHERE SHOWN IN THE PLANS, REPLACEMENT PLAQUES WILL BE MEASURED AND PAID SEPARATELY.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETRORFLECTIVE

LINES - BLACK, 1/2" WIDE, SELF-ADHESIVE

CHARACTERS - BLACK, SELF-ADHESIVE, SERIES "D", SIZE AS SHOWN

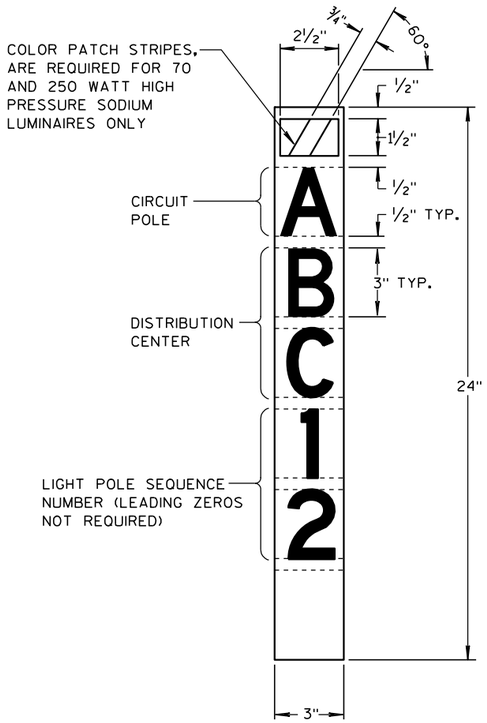
COLOR PATCHES - VARIOUS COLORS, SELF-ADHESIVE VINYL SHEETING

WITH THE APPROVAL OF THE ENGINEER, THE BASE MATERIAL MAY BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE SURFACE, IN CASES SUCH AS SMOOTH, CLEAN ALUMINUM POLES.

ALTERNATIVE COMPUTER-GENERATED SIGN LETTERING MAY BE ACCEPTED IF THE ENGINEER FINDS IT TO BE EQUIVALENT.

COLOR PATCH CODE FOR HPS LUMINAIRES

1000 WATT - NO PATCH
400 WATT - ORANGE
310 WATT - BLUE
250 WATT - ORANGE WITH WHITE STRIPE
200 WATT - RED
150 WATT - GREEN
100 WATT - BROWN
70 WATT - BROWN WITH WHITE STRIPE



LIGHT POLE CIRCUIT/SEQUENCE PLAQUE

IDENTIFICATION PLAQUES LIGHT POLES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

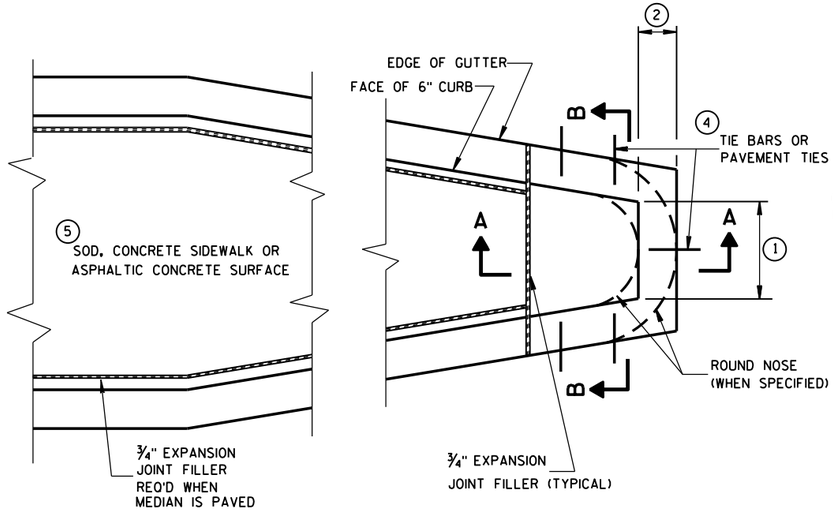
APPROVED
10/25/2010 — DATE
/S/ John Corbin — STATE ELECTRICAL ENGI 354 — HWYS
FHWA

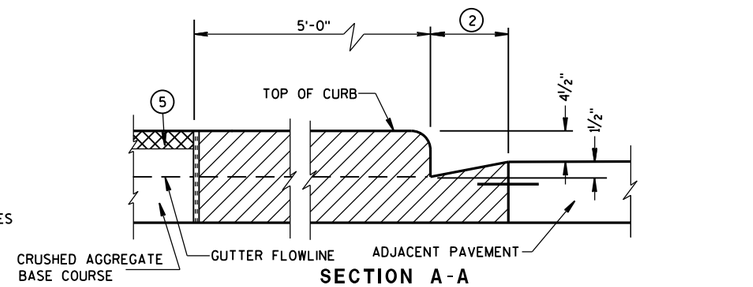
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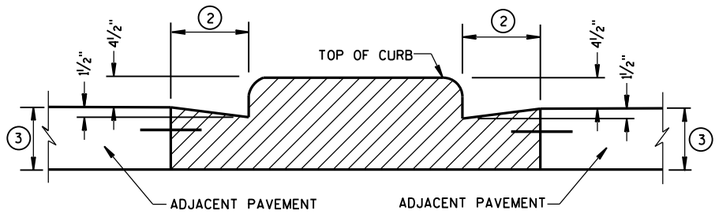
S.D.D. 10 A 2-2

6

S.D.D. 10 A 2-2







CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

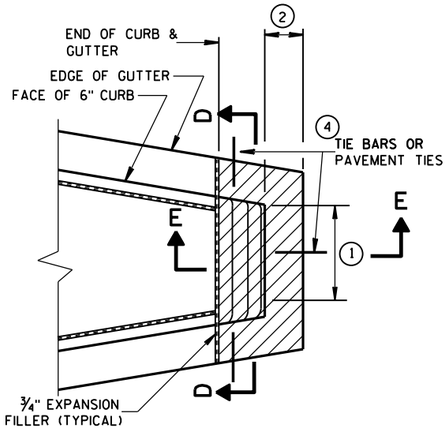
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

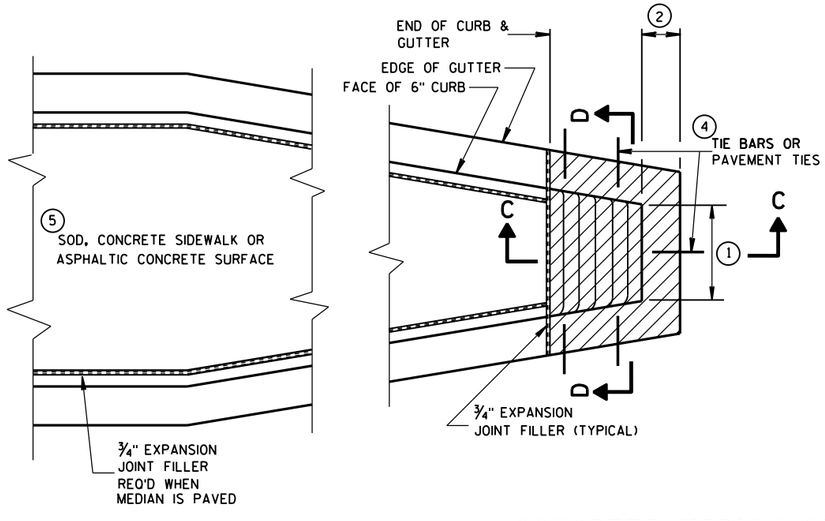
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

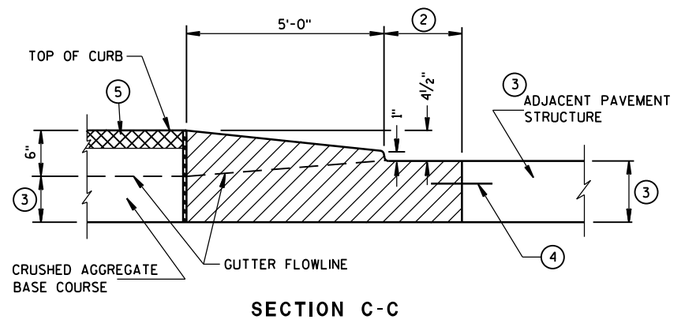
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

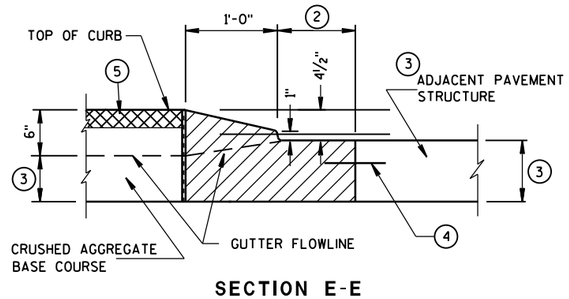
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



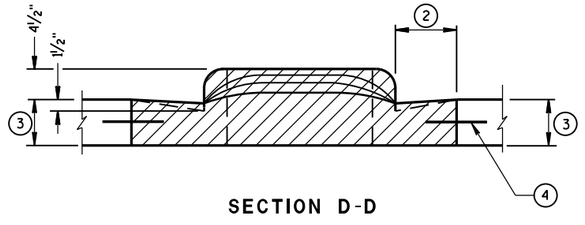






CONCRETE MEDIAN SLOPED NOSE TYPE 1

CONCRETE MEDIAN SLOPED NOSE TYPE 2



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

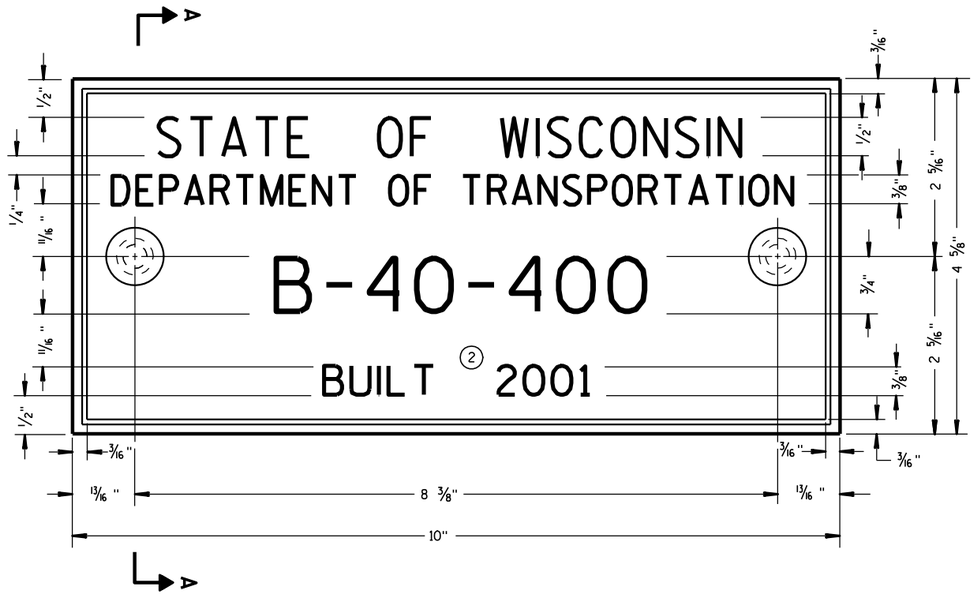
FHWA

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S.D.D. 11 B 2-2

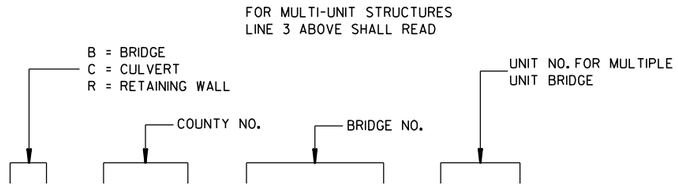
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S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

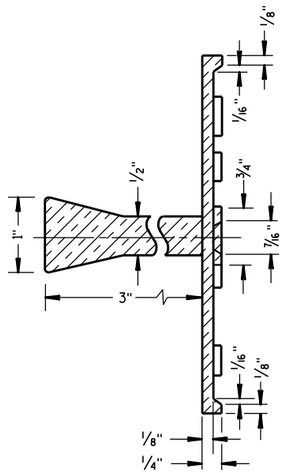
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

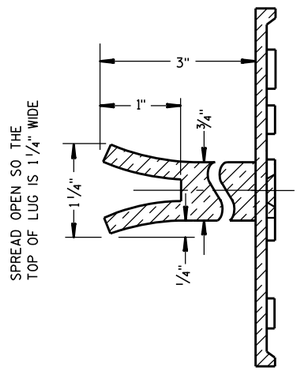
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

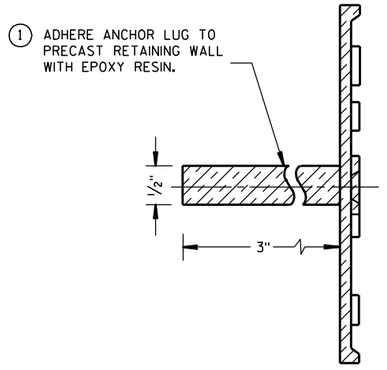
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

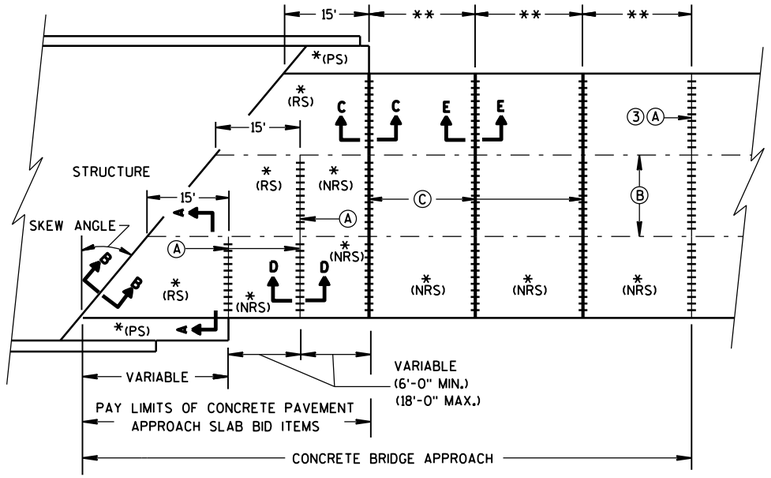
NAME PLATE (STRUCTURES)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
3/26/10 DATE	/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 356 ENGINEER
FHWA	

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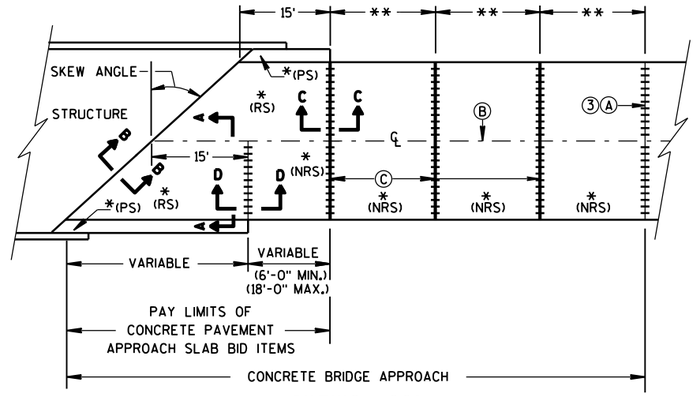
S.D.D. 12 A 3-10

6

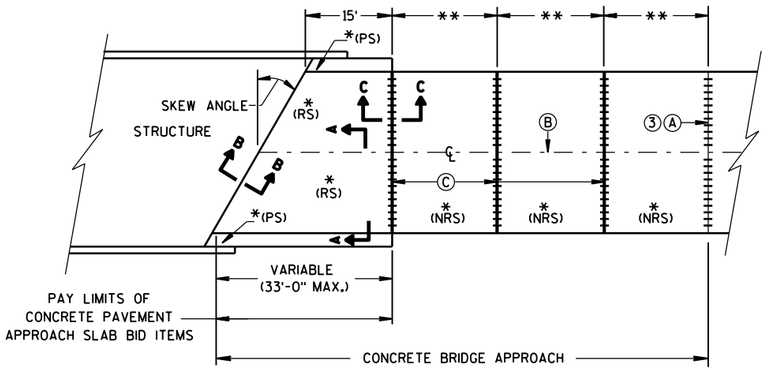
S.D.D. 12 A 3-10



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >30°
(PAVEMENT WIDTH ≤30')



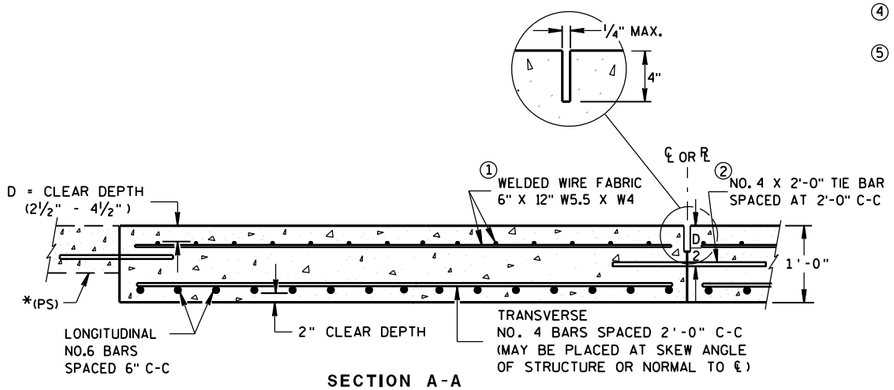
SKEWS ≤30°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

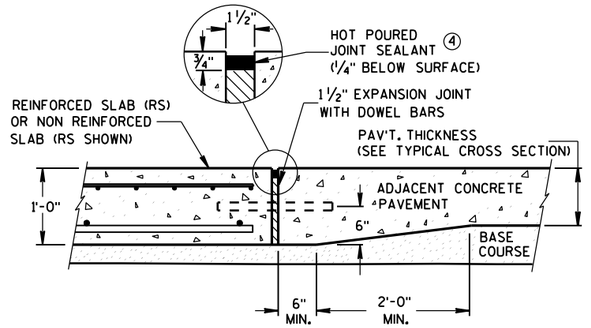
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER: CONCRETE PAVEMENT, OR CONCRETE SURFACE DRAIN (SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

**STANDARD TRANSVERSE JOINT SPACING (SEE SDD 13C4, SDD 13C11, & SDD 13C13)
***STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11, & SDD 13C13)

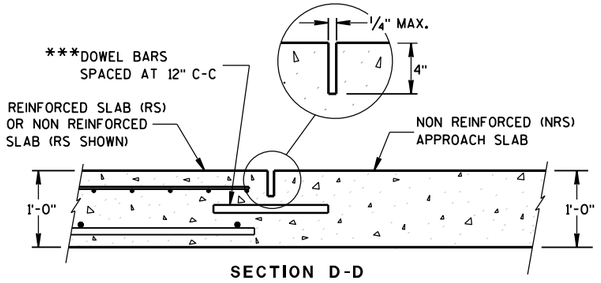
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
(B) STANDARD LONGITUDINAL JOINT AND TIE BARS.
(C) 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



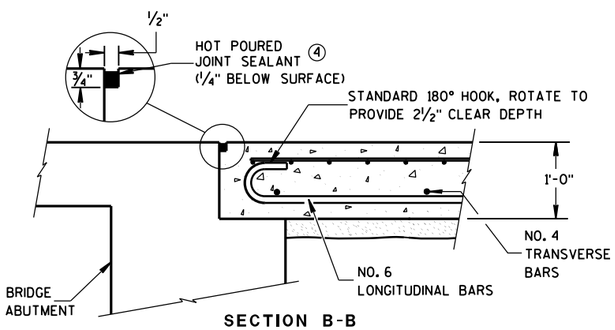
SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

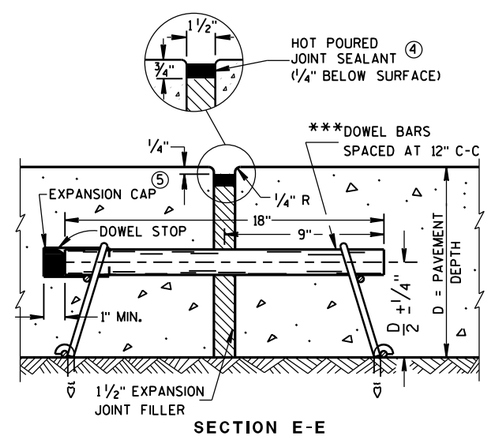
THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

1. THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.
2. THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.
3. DO NOT DOWEL A CONTRACTION JOINT THAT ABUTS AN HMA PAVEMENT.
4. USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.
5. PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



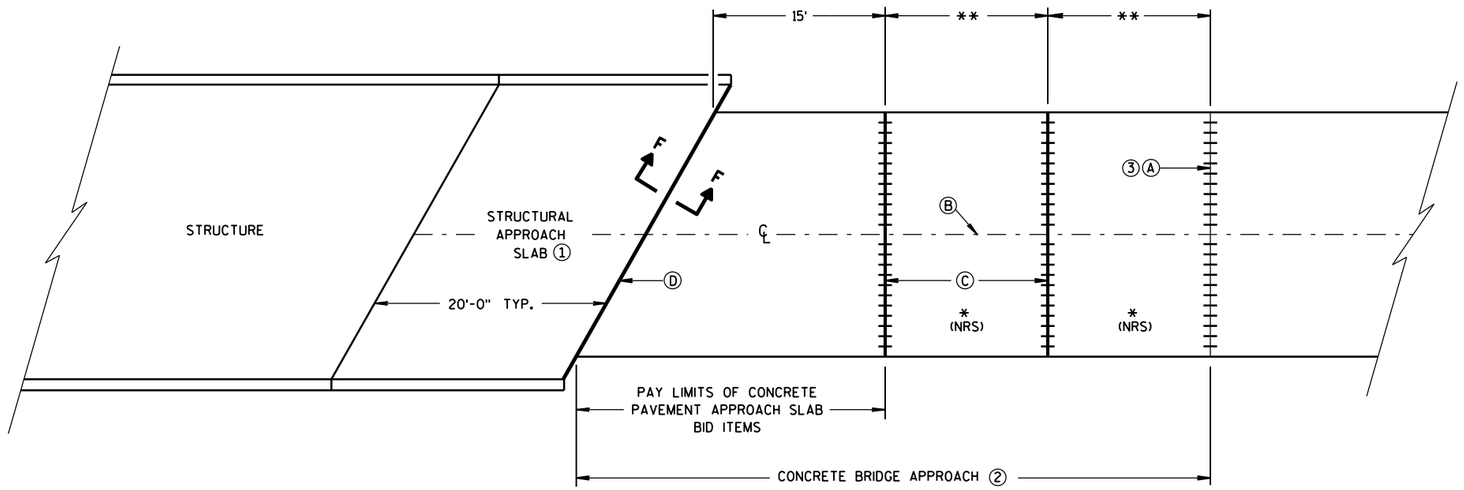
SECTION E-E
EXPANSION JOINT

CONCRETE BRIDGE APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2014 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & DE
EER
FHWA

6
S.D.D. 13 B 2-7a



BRIDGE APPROACHES

GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE BRIDGE APPROACH.

① CONFORM TO APPLICABLE BRIDGE MANUAL STANDARD DRAWINGS FOR *STRUCTURAL APPROACH SLABS* (SEE CHAPTER 12 - ABUTMENTS).

② CONFORM TO SHEET (a) OF THIS SET FOR *CONCRETE BRIDGE APPROACH* DETAILS, WITH ONE EXCEPTION — WHEN CONSTRUCTING A *CONCRETE BRIDGE APPROACH* NEXT TO A *STRUCTURAL APPROACH SLAB*, AS SHOWN IN THE DETAIL DRAWING, THE *CONCRETE BRIDGE APPROACH* WILL ONLY HAVE TWO EXPANSION JOINTS; THE THIRD EXPANSION JOINT IS AT THE END OF THE *STRUCTURAL APPROACH SLAB*.

③ DO NOT DOWEL A CONTRACTION JOINT THAT ABUTS AN HMA PAVEMENT.

*(NRS) = NON-REINFORCED CONCRETE SLAB

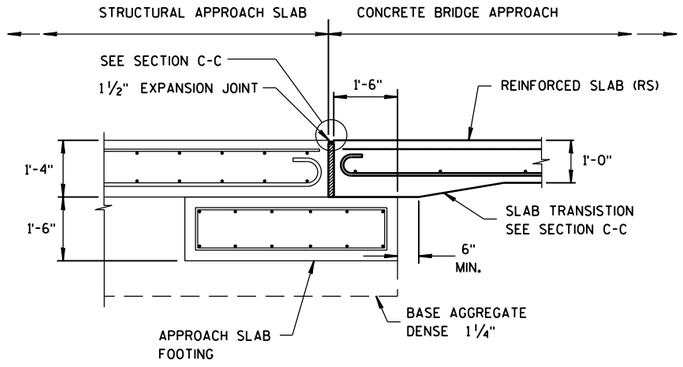
**STANDARD TRANSVERSE JOINT SPACING (SEE SDD 13C4, SDD 13C11, & SDD 13C13)

Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄

Ⓑ STANDARD LONGITUDINAL JOINT AND TIE BARS.

Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄

Ⓓ 1½" EXPANSION JOINT (NO DOWELS)



SECTION F-F

FOOTING DETAIL

STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

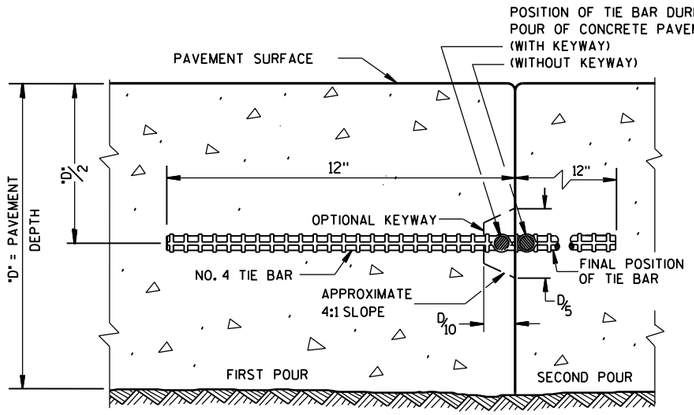
STRUCTURAL APPROACH SLAB AND CONCRETE BRIDGE APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

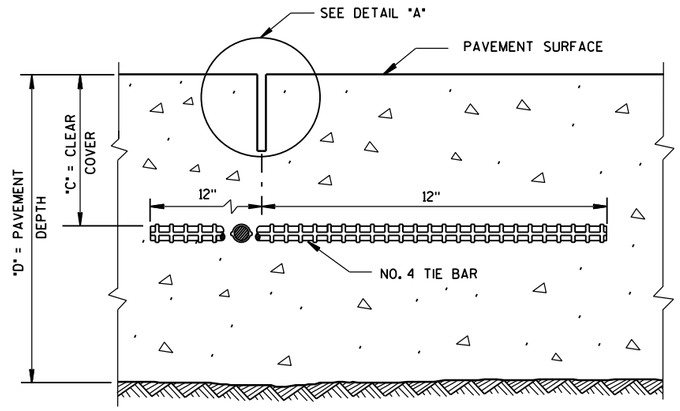
APPROVED
June, 2014 — DATE
/S/ Deb Bischoff — PAVEMENT POLICY & DE
EER
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S.D.D. 13 B 2-7b



CONSTRUCTION JOINT



SAWED JOINT

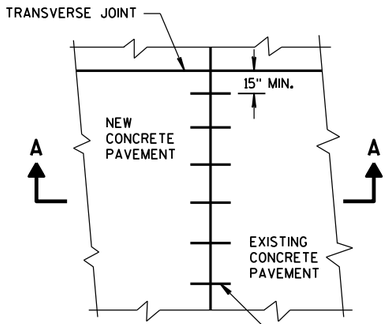
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

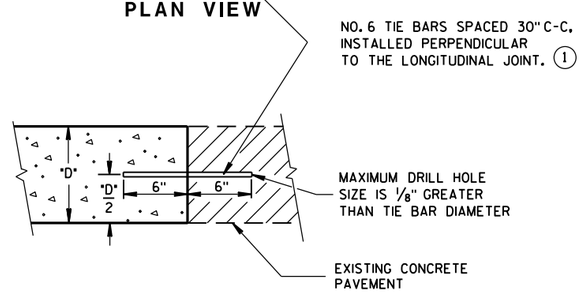
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

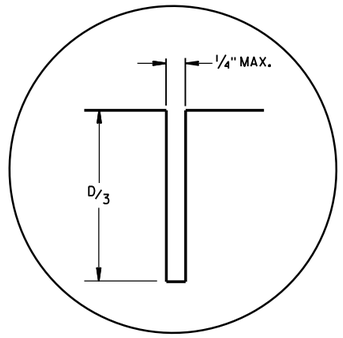


PLAN VIEW



SECTION A-A

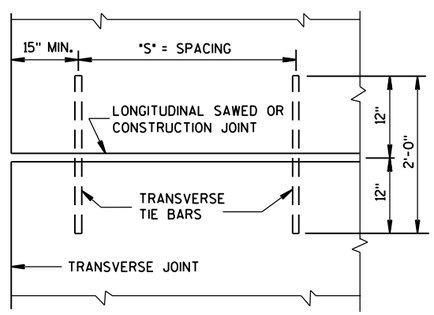
LONGITUDINAL CONSTRUCTION JOINT
TIE BARS ANCHORED
INTO EXISTING PAVEMENT



DETAIL "A"

TIE BAR TABLE

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

5-3-2013
DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DE

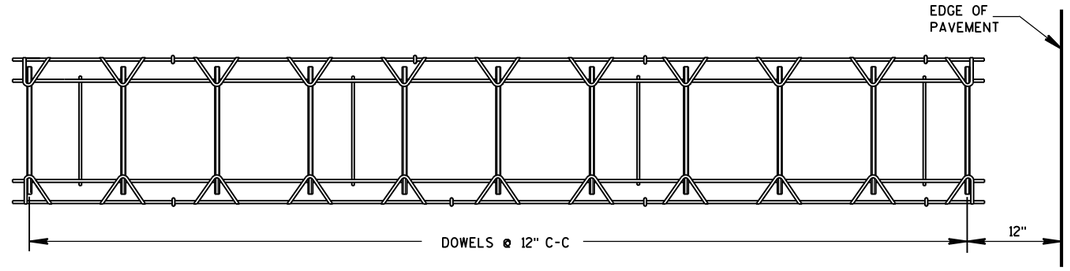
FHWA

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S.D.D. 13 C 1-16

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S.D.D. 13 C 1-16

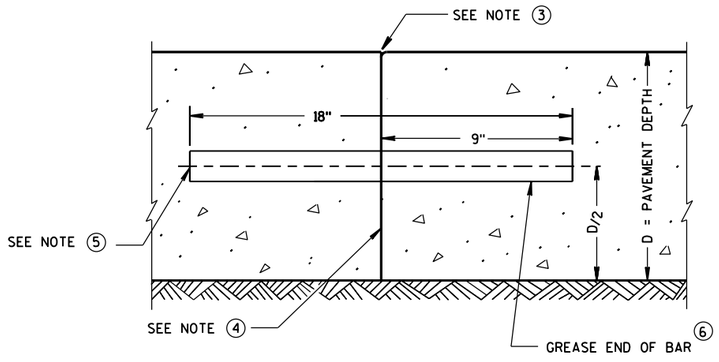


PLAN VIEW

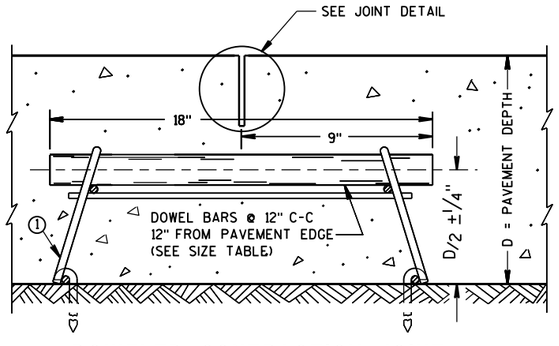


SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



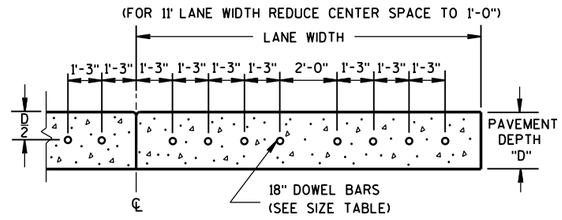
TRANSVERSE CONSTRUCTION JOINT



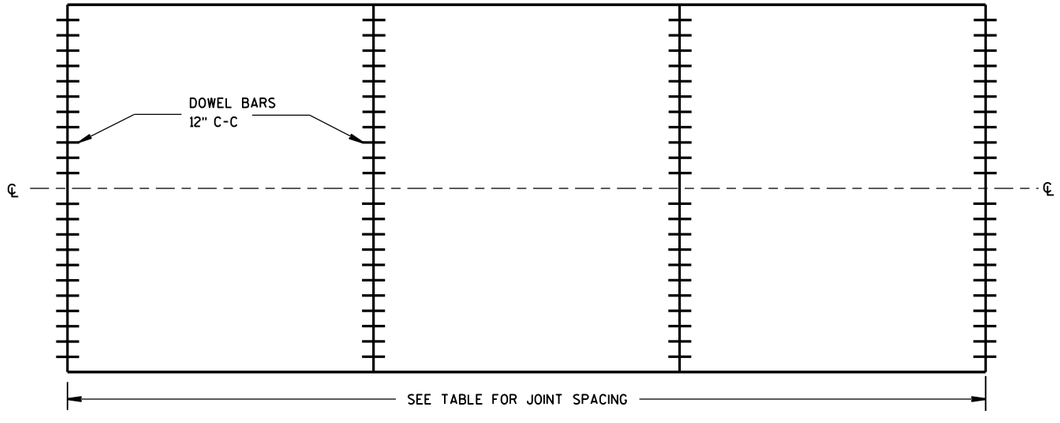
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① **OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.**

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

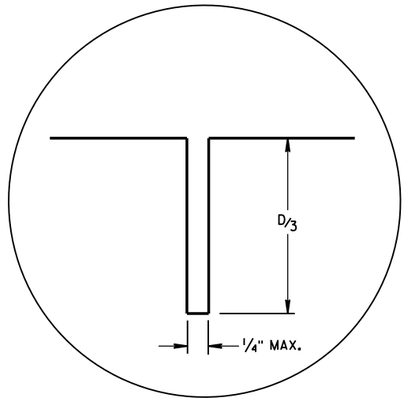
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

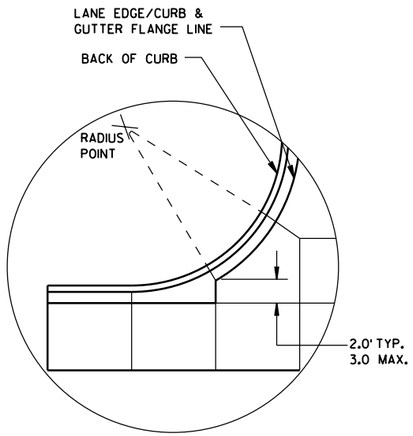
URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

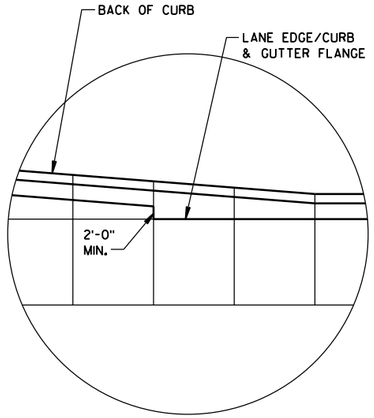
APPROVED
5/3/2013 DATE
/S/ Deb Bischoff
PAVEMENT POLICY & DE ENGINEER
FHWA

6

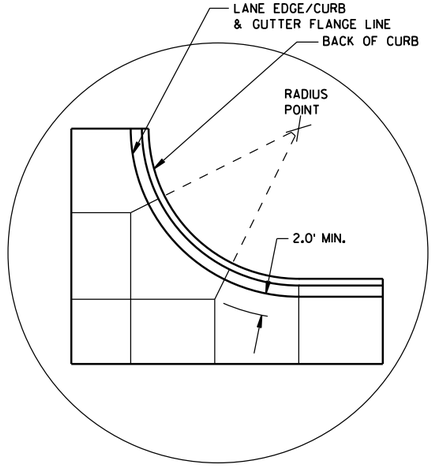
S.D.D. 13 C 13-8



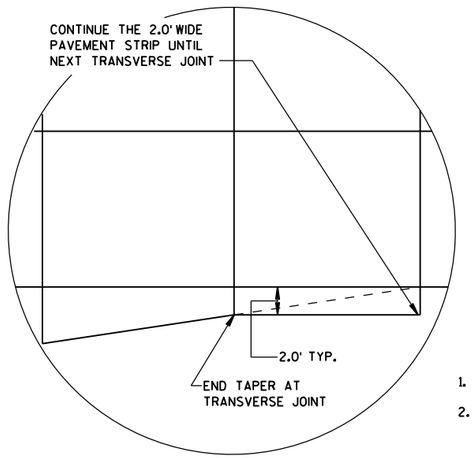
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

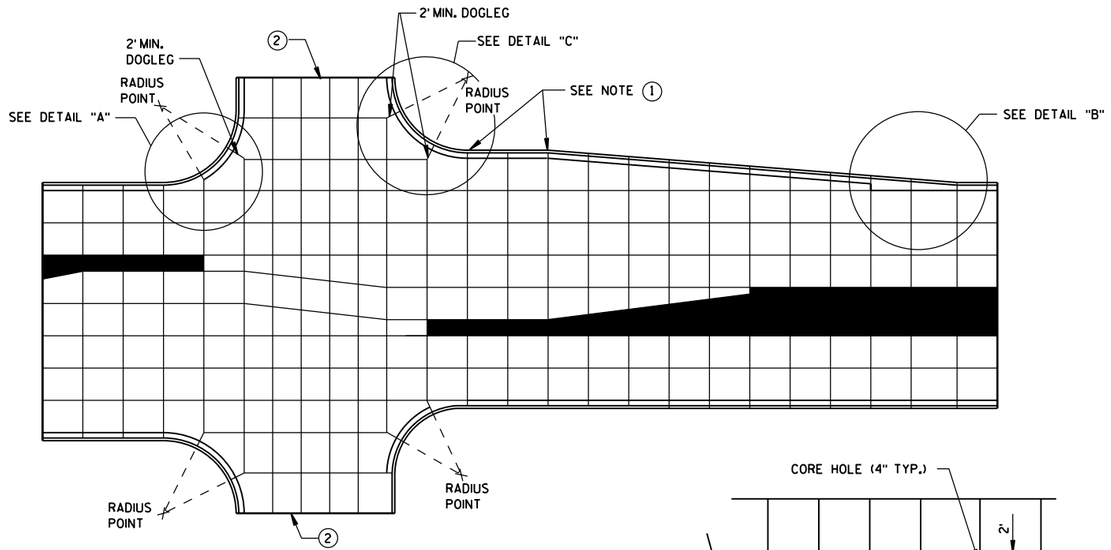
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

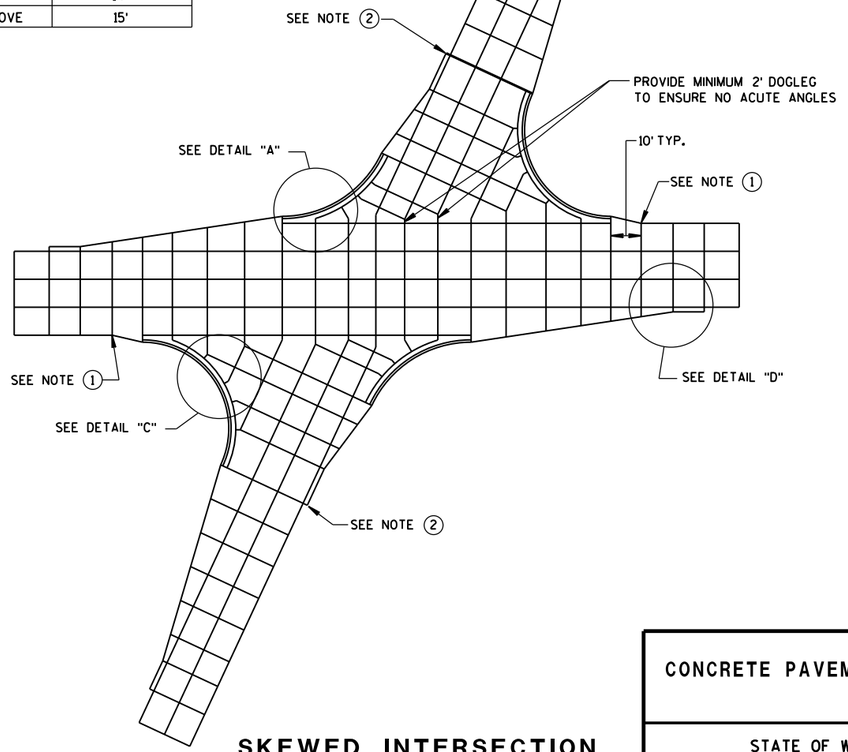
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



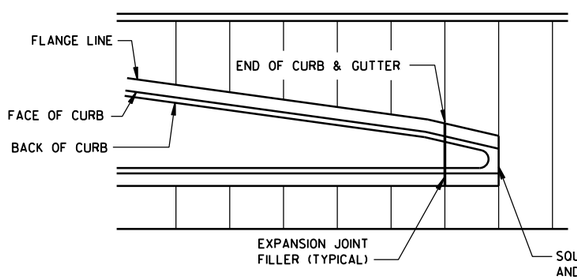
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

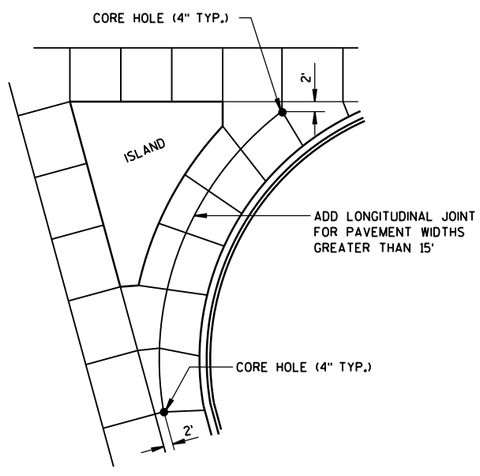
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

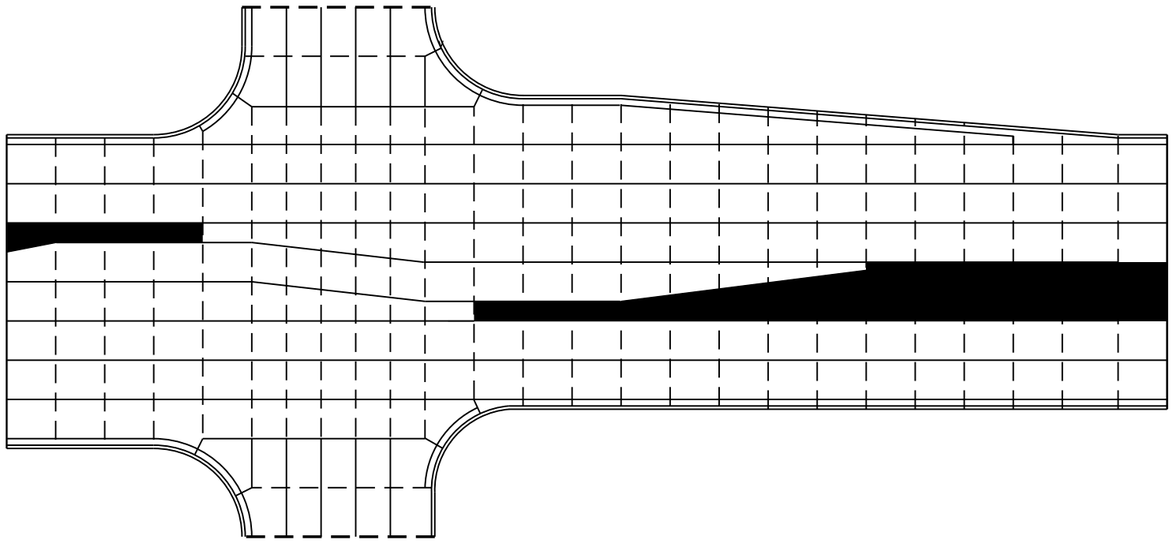
6
S.D.D. 13 C 18-2a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

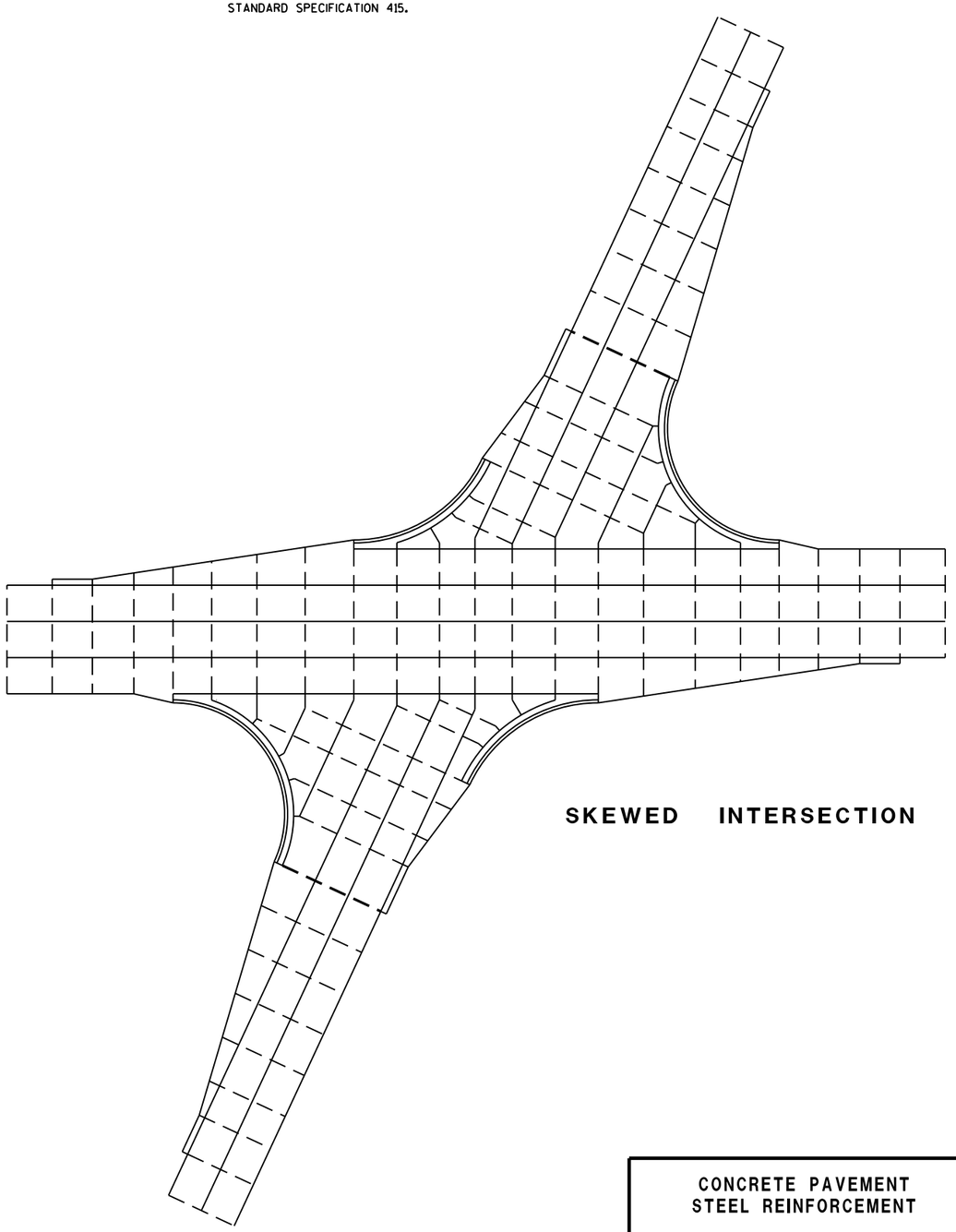
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

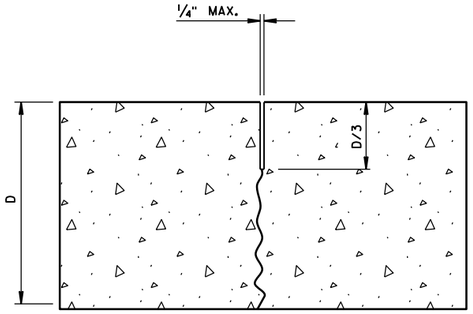
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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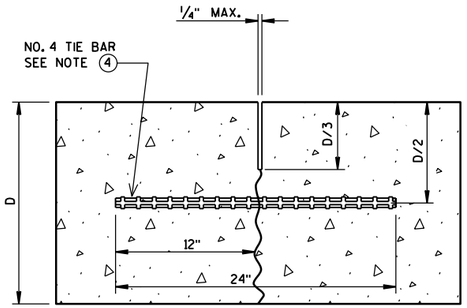
S.D.D. 13 C 18-2b

6

S.D.D. 13 C 18-2b



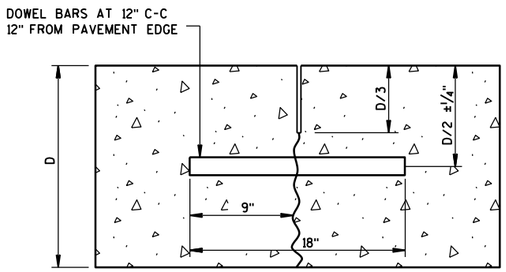
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

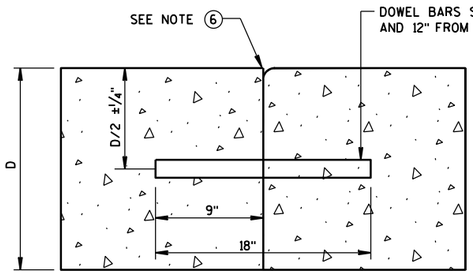
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO 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.



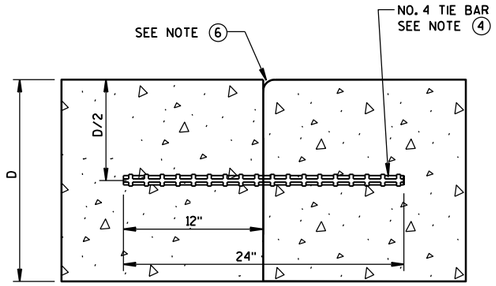
DOWELED-TRANSVERSE

CONTRACTION JOINTS

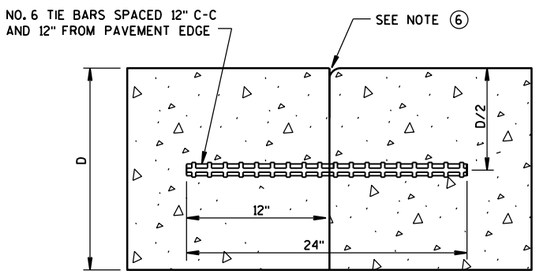
SEE NOTE (2)



DOWELED TRANSVERSE

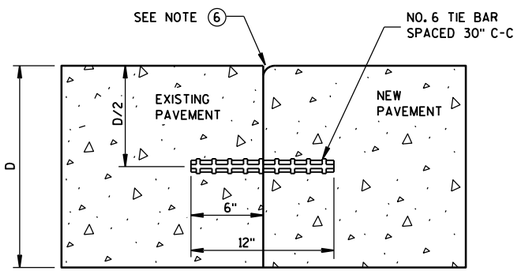


TIED LONGITUDINAL



TIED TRANSVERSE

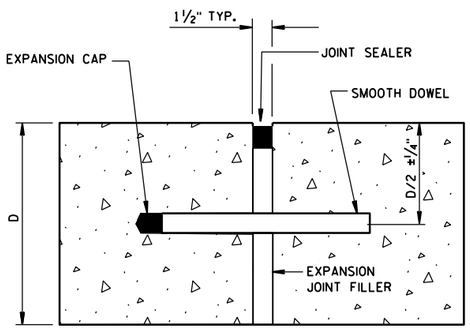
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

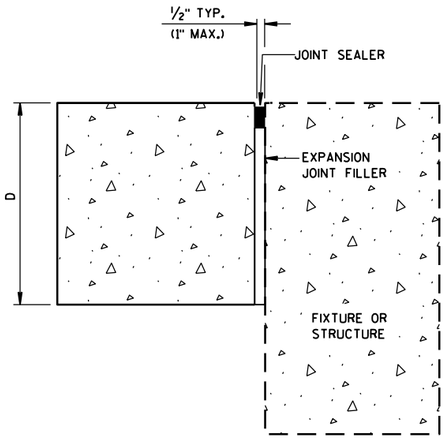
CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

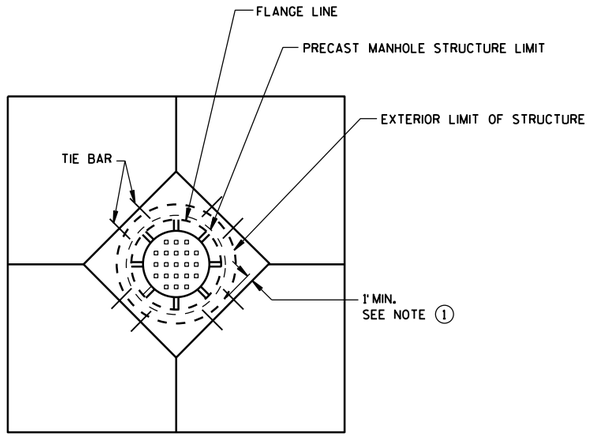
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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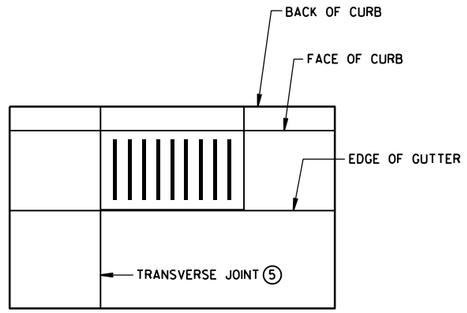
S.D.D. 13 C 18-2c

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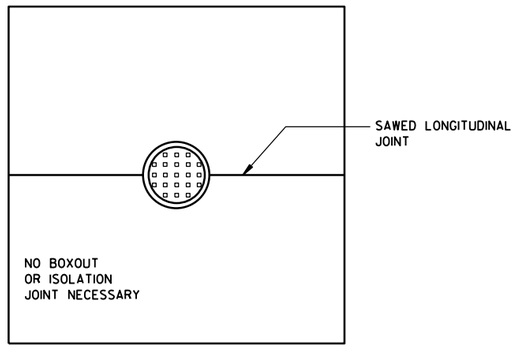
S.D.D. 13 C 18-2c



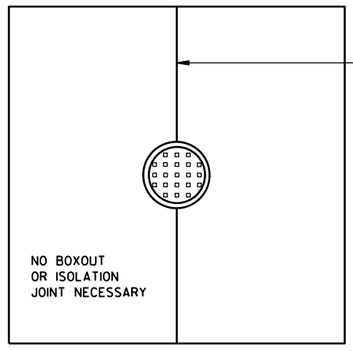
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



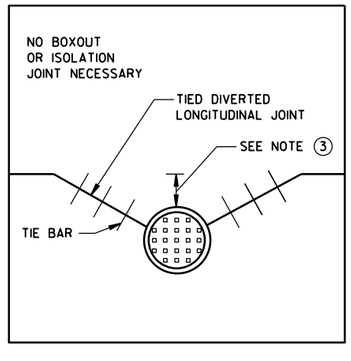
INLET WITH TRANSVERSE JOINT



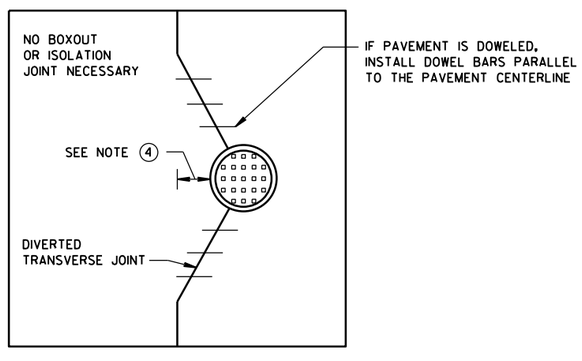
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-3-2013 — DATE

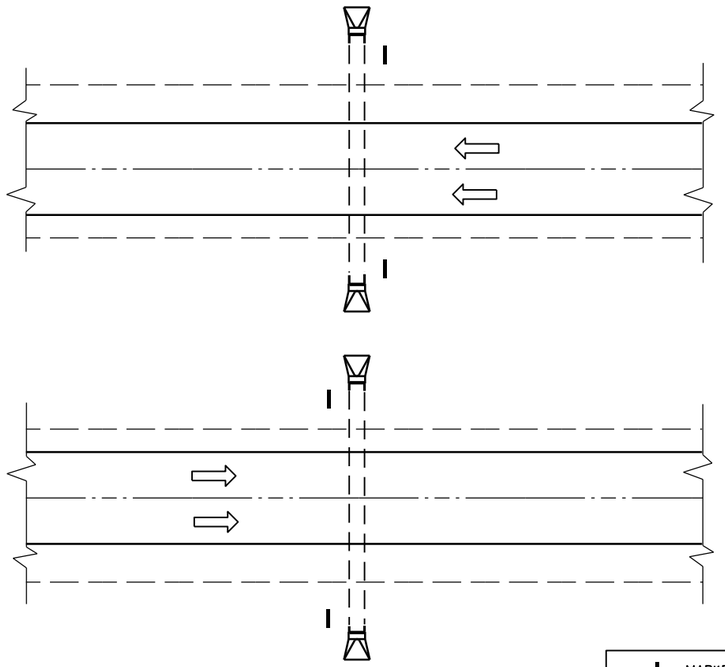
/S/ Deb Bischoff — PAVEMENT POLICY & DE

NEER

FHWA

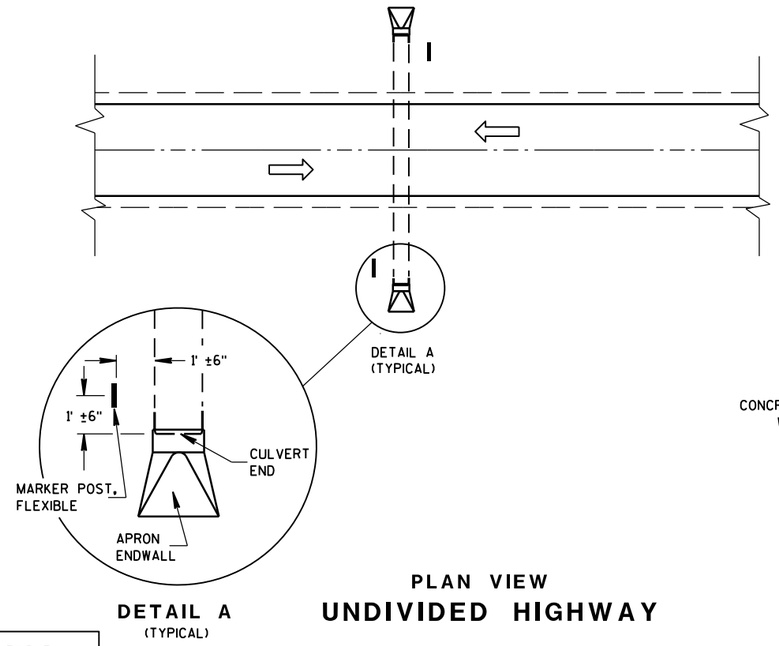
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S.D.D. 13 C 18-2d



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

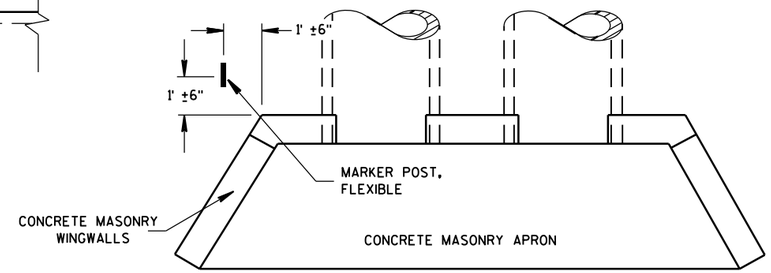
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

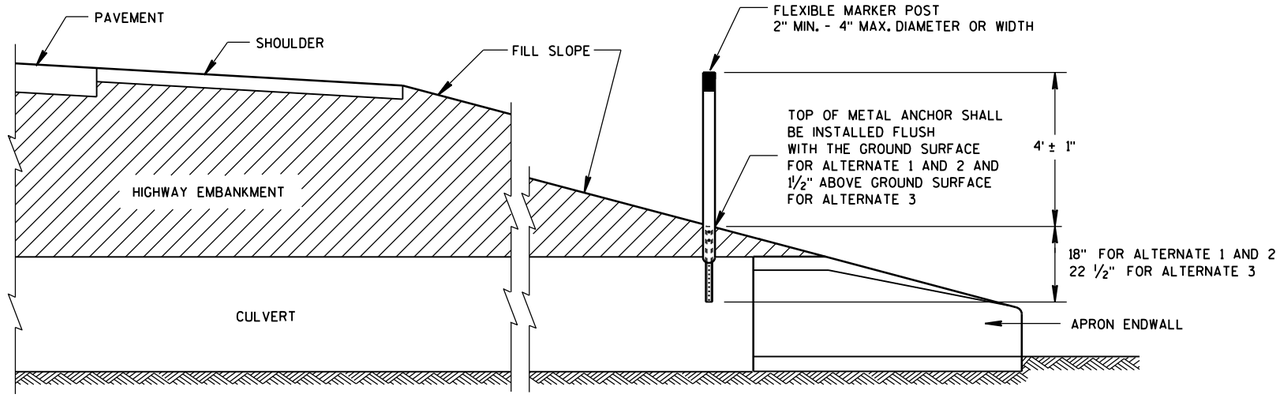
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

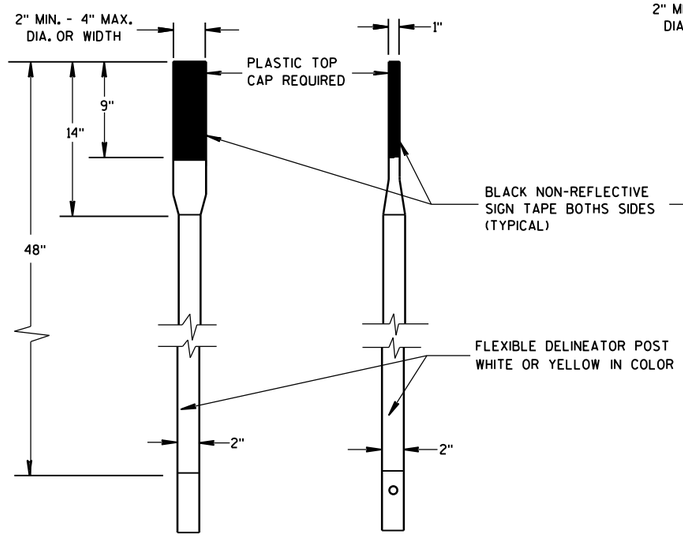
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

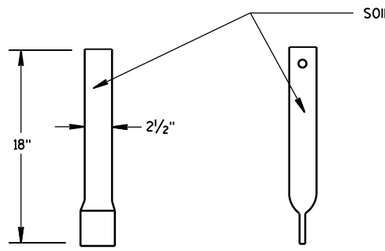
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S.D.D. 15 A 3-2a

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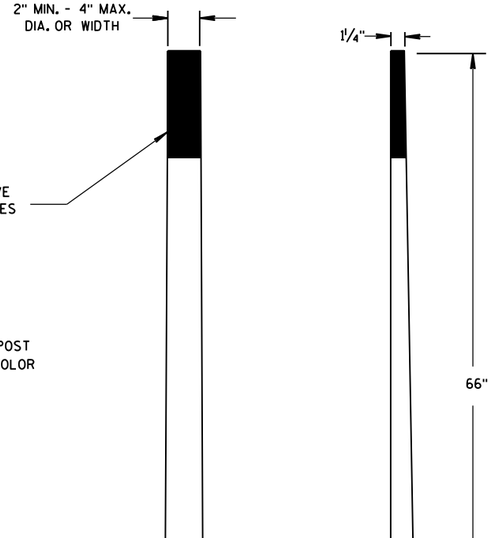
S.D.D. 15 A 3-2a





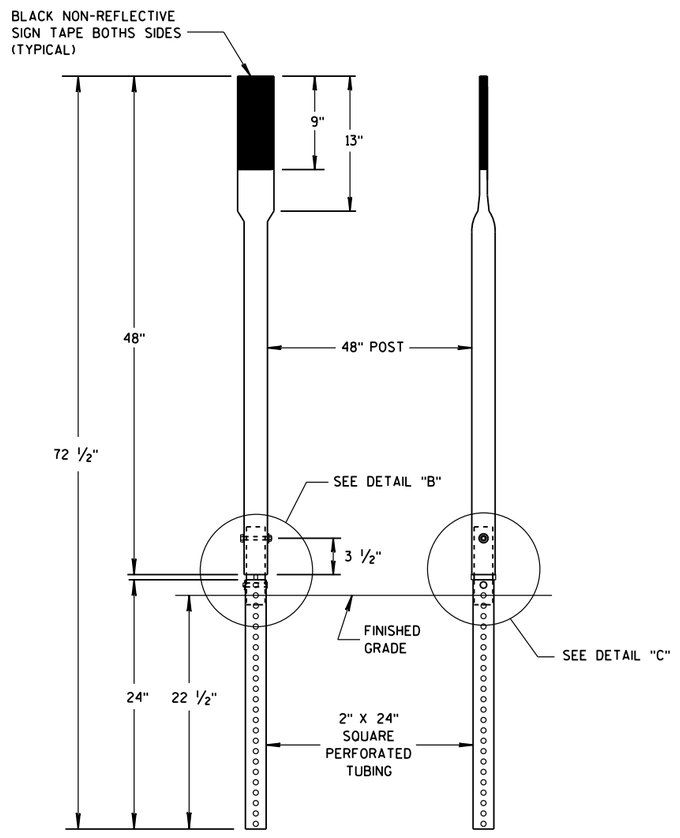
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

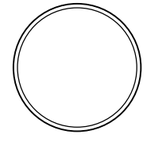
ALTERNATE 2



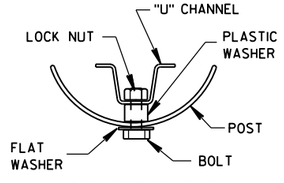
FRONT VIEW SIDE VIEW

ALTERNATE 3

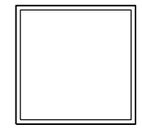
FLEXIBLE MARKER POSTS



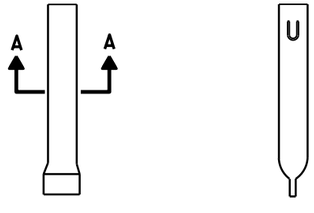
SECTION A-A



SECTION B-B

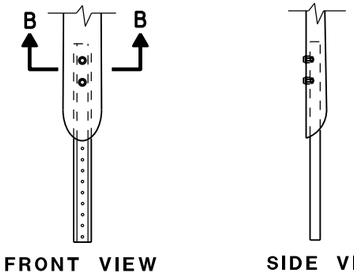


SECTION C-C



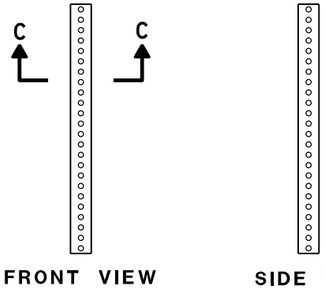
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

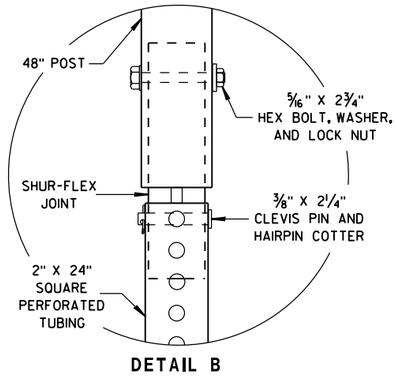
ALTERNATE 2



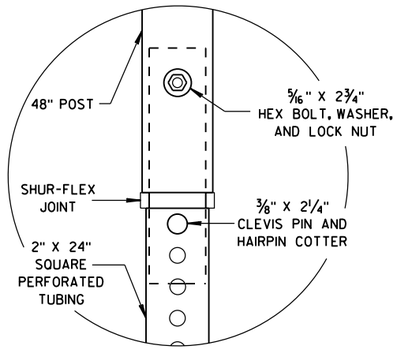
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

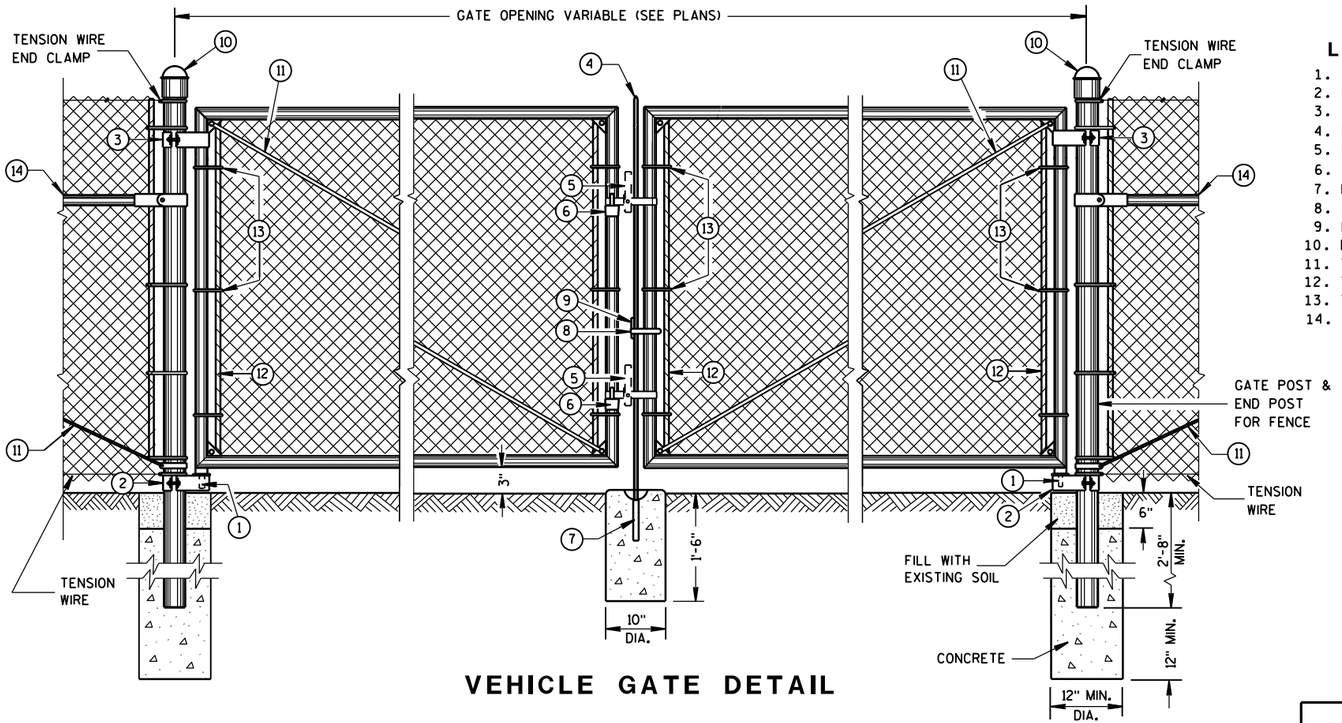
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

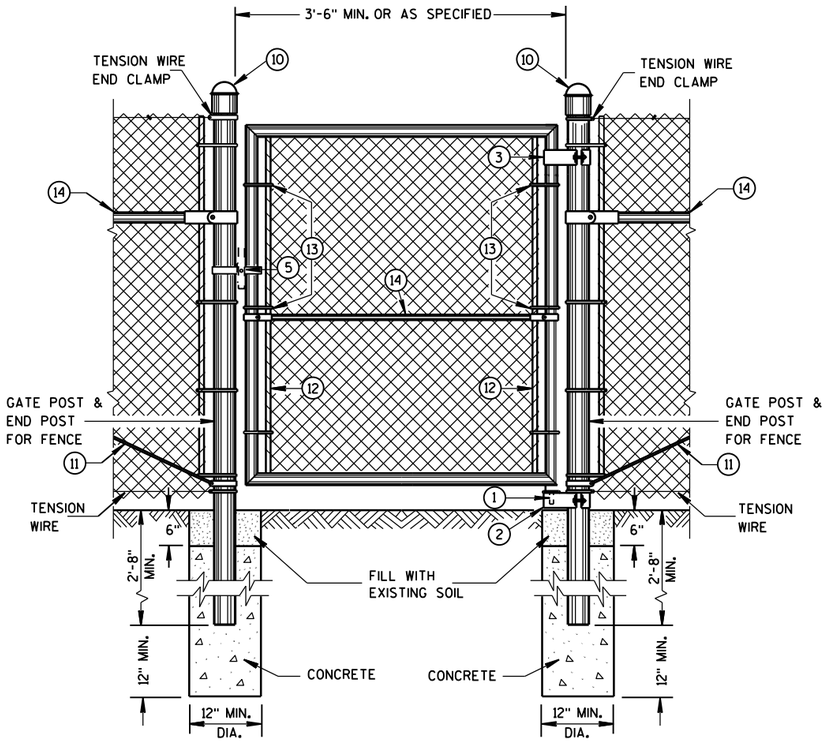
S.D.D. 15 A 3-2b

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S.D.D. 15 A 3-2b



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

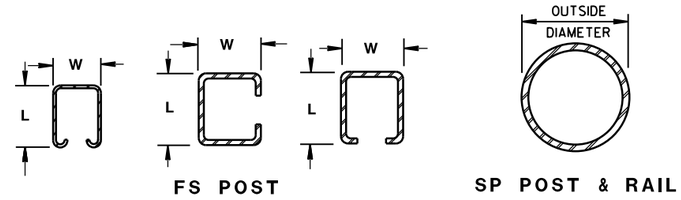
FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

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

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

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

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

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

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

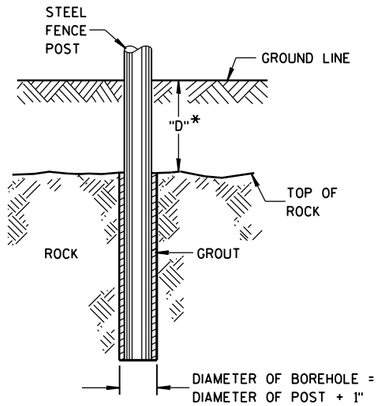
POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

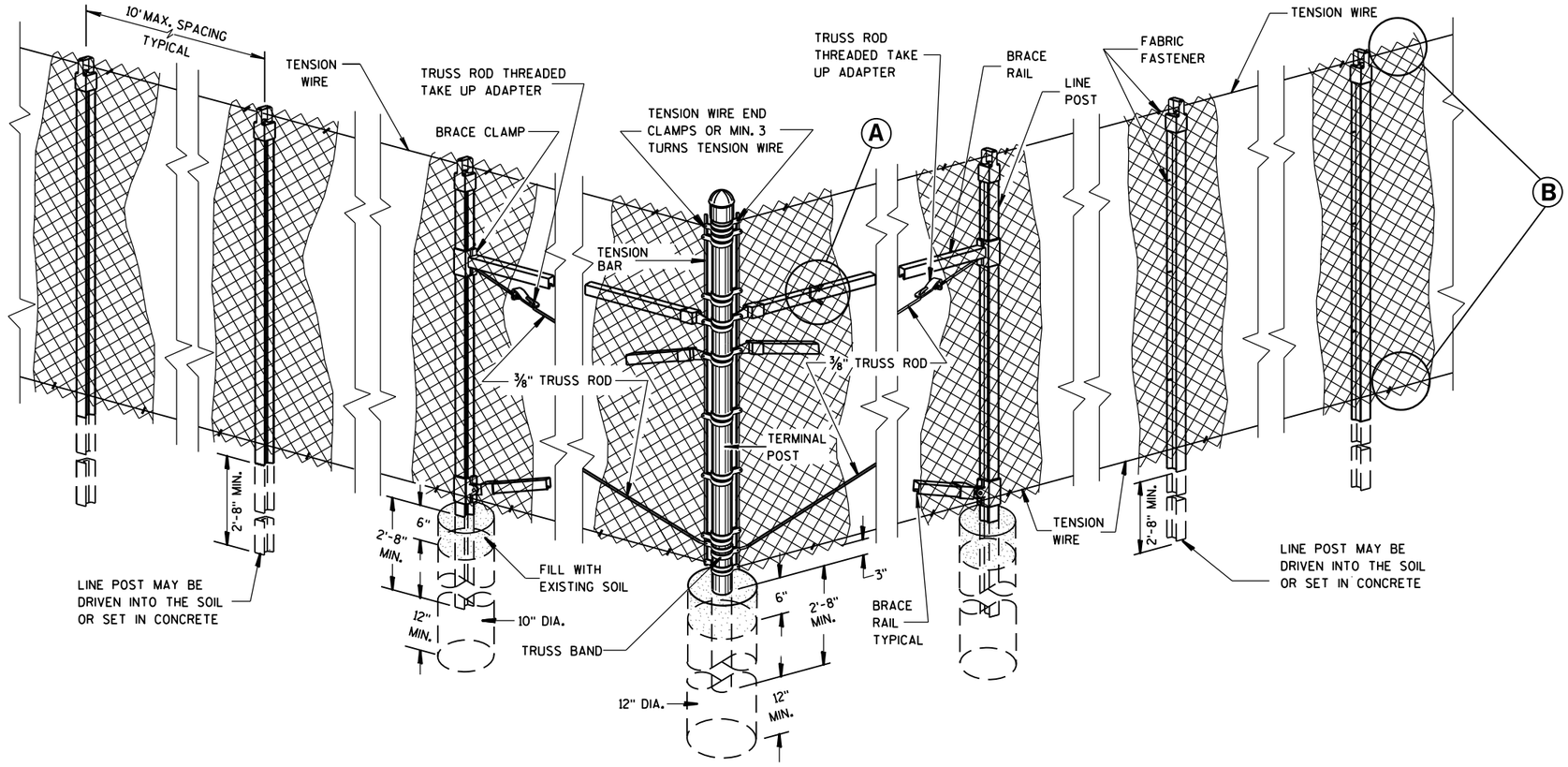
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S.D.D. 15 B 3-13a
S.D.D. 15 B 3-13a

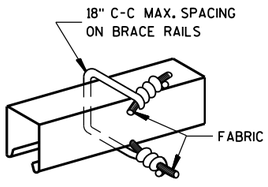


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



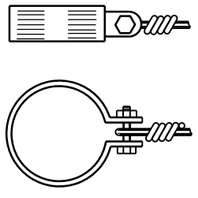
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



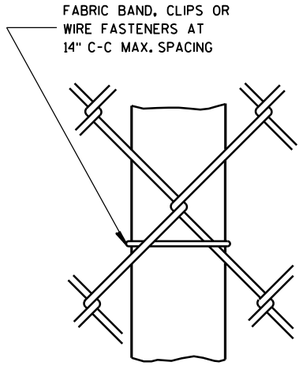
BRACE RAIL

FABRIC FASTENER

Ⓐ



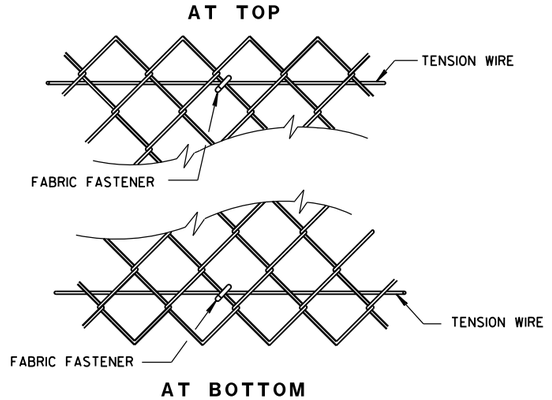
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

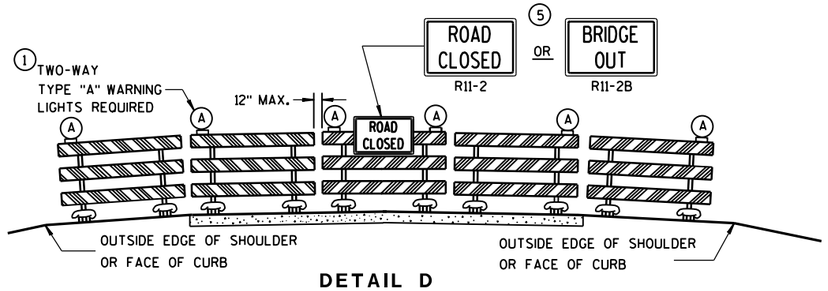
FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/16/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

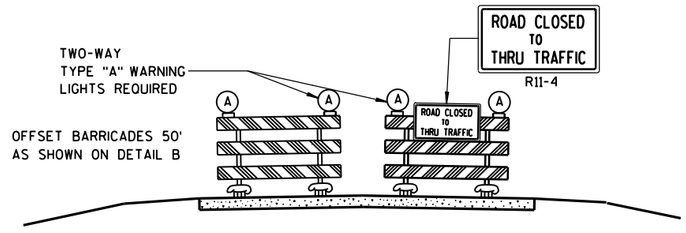
S.D.D. 15 B 3-13b



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 C 2-5b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

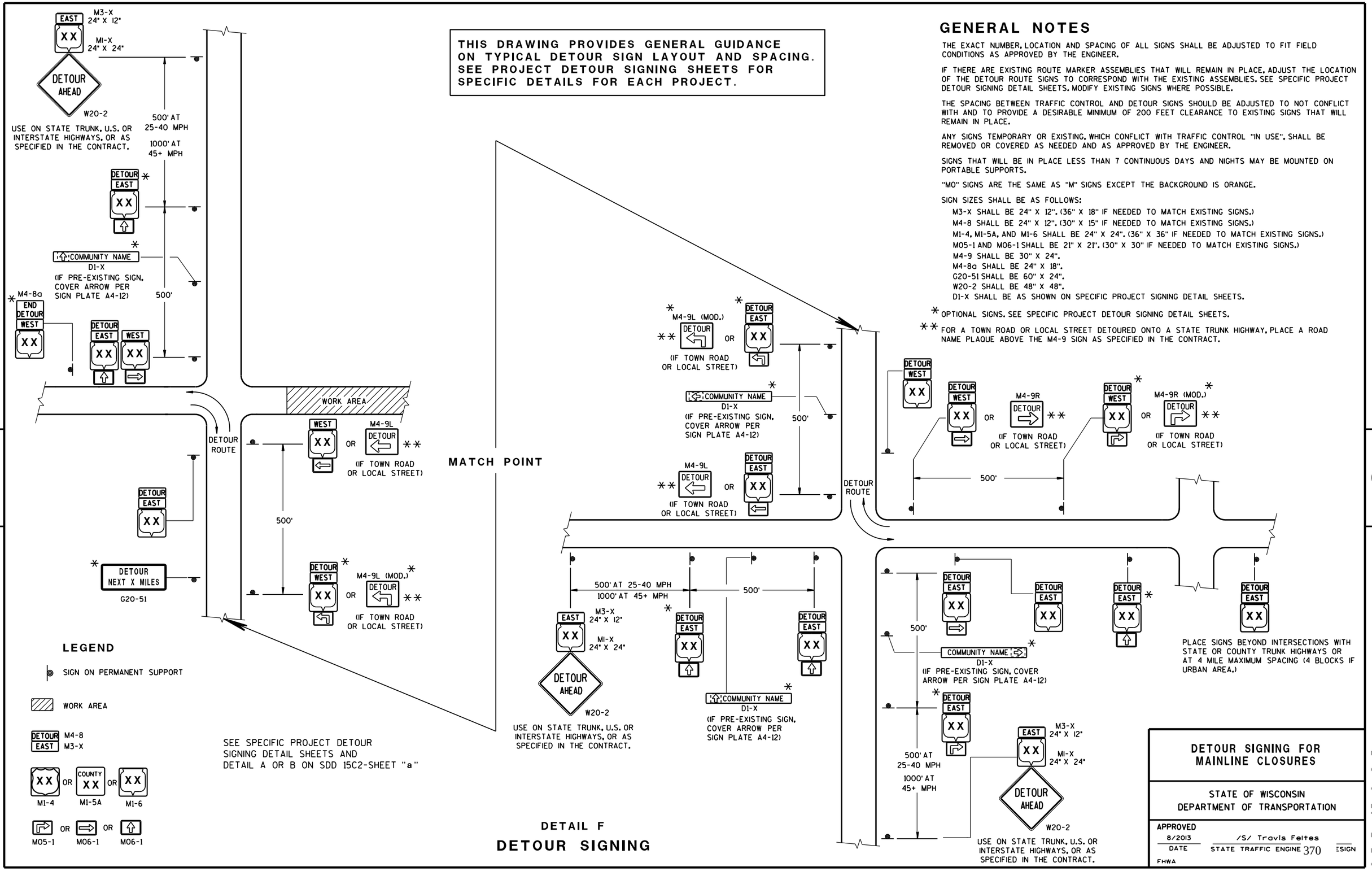
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETAIL F

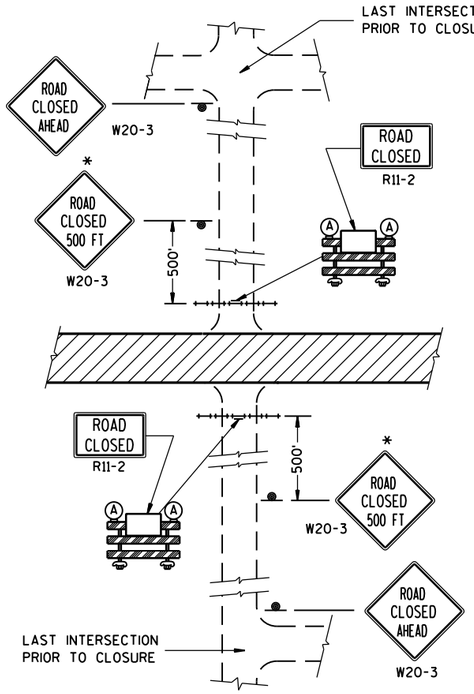
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

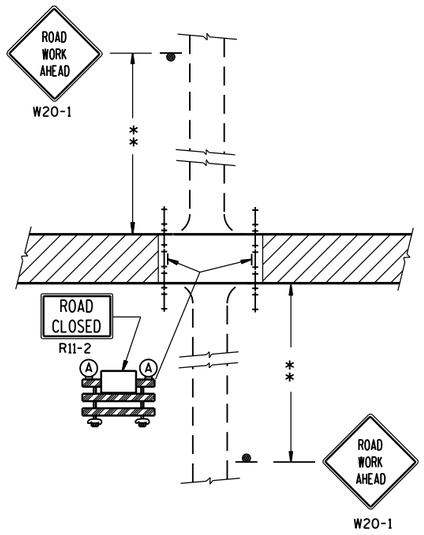
APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

S.D.D. 15 C 2-5c



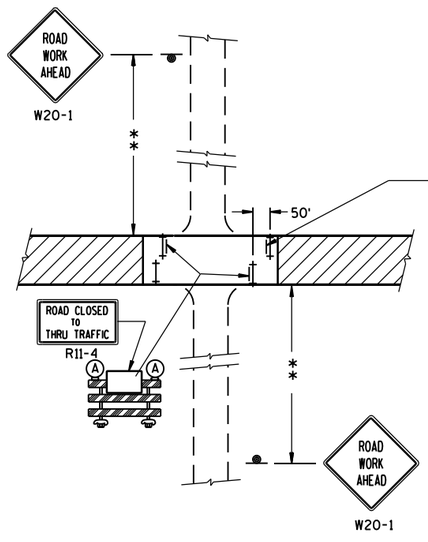
DETAIL 1

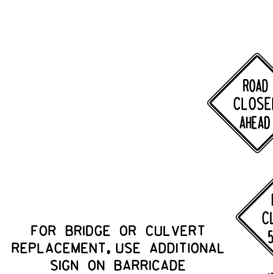
(NO ACCESS TO PROJECT)

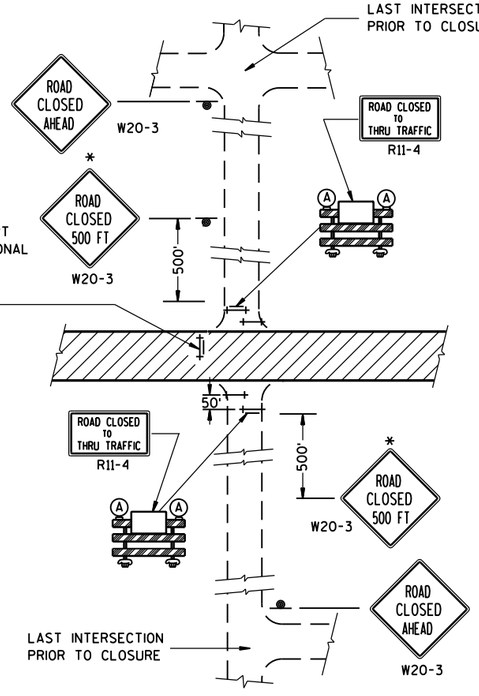


DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).







DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).

DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

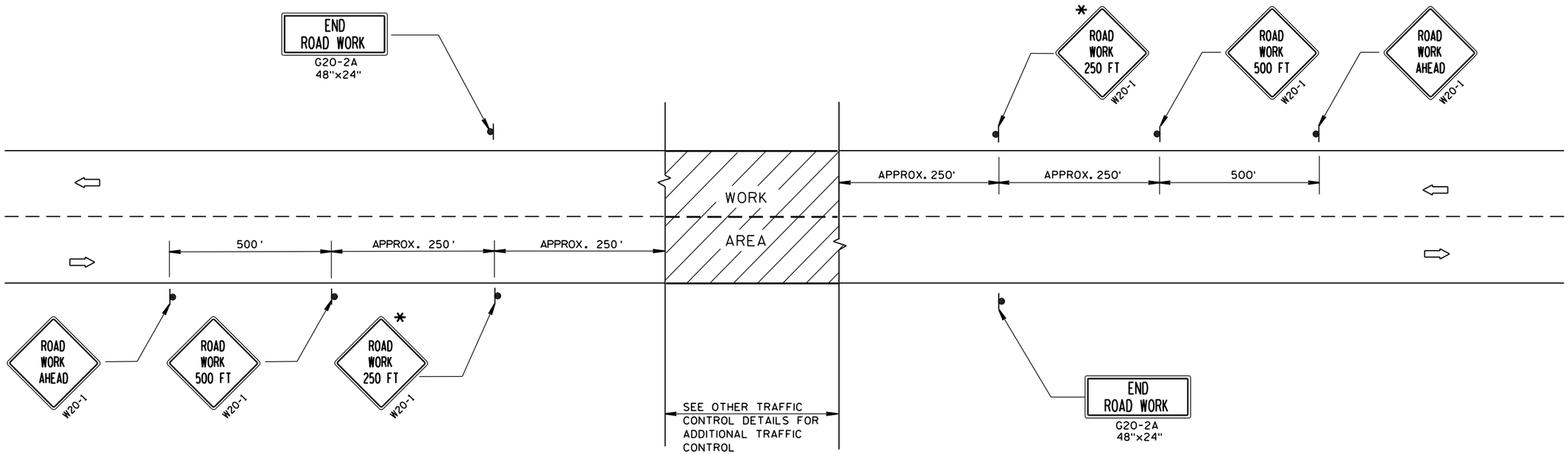
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S.D.D. 15 C 3-2

6

S.D.D. 15 C 3-2

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

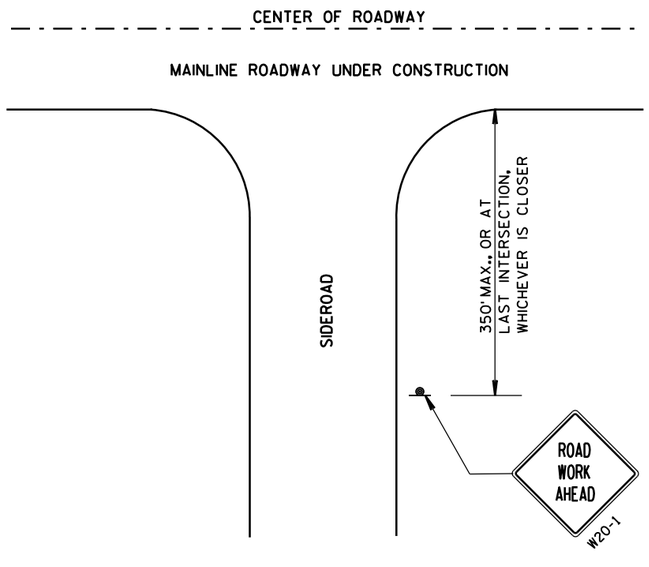
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 DATE — /S/ Travis Feltes STATE TRAFFIC ENGINEER — SIGN

FHWA

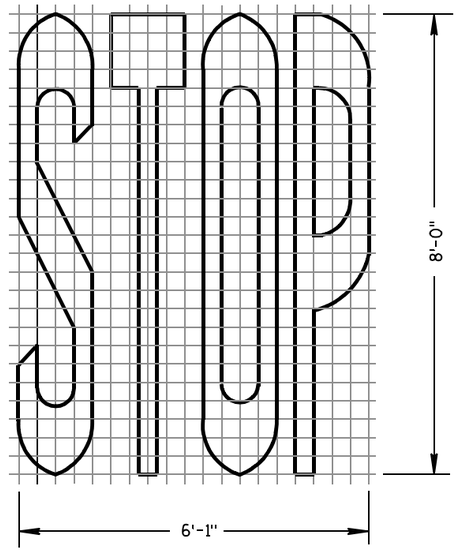
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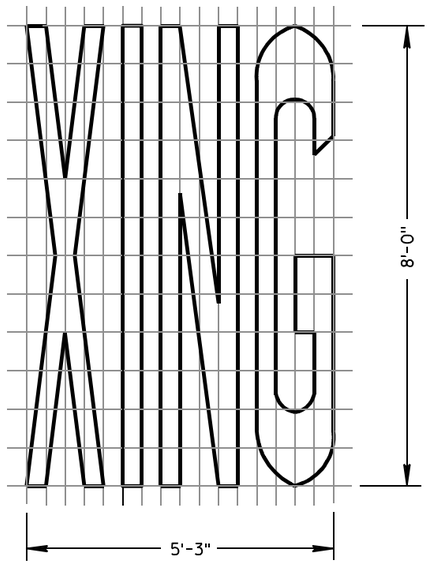
S.D.D. 15 C 5-2

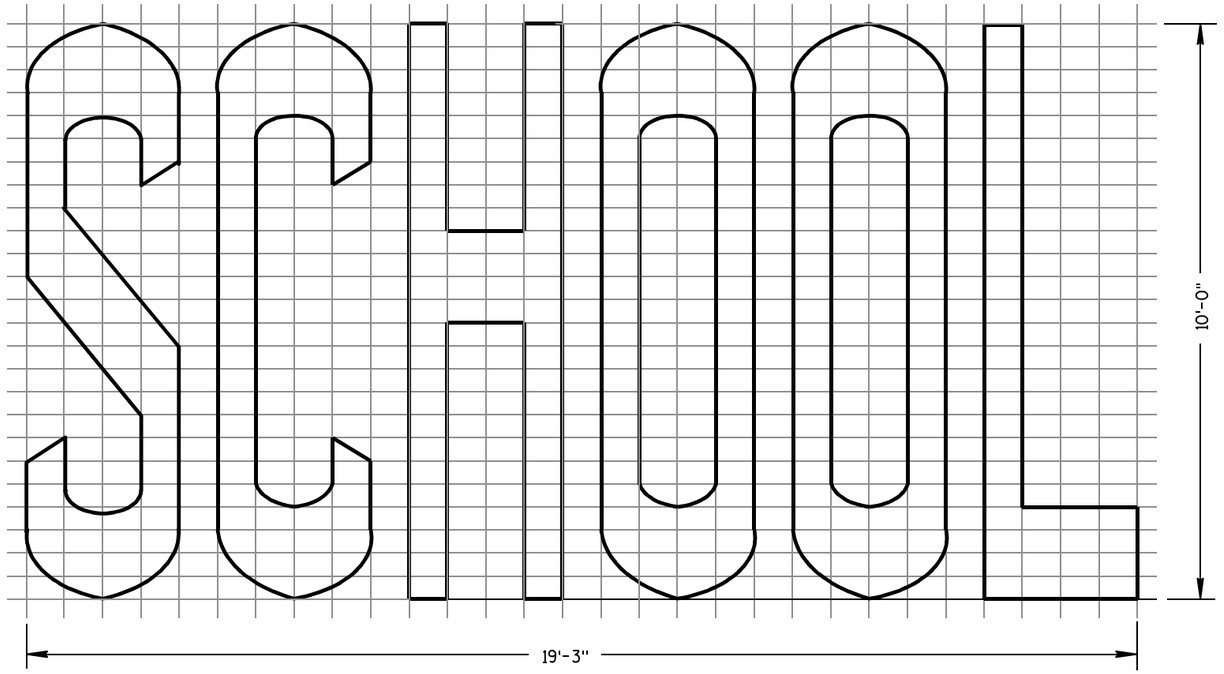
GENERAL NOTES

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

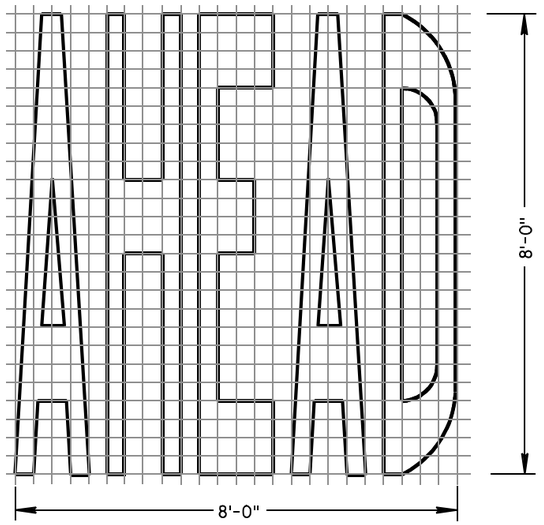
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

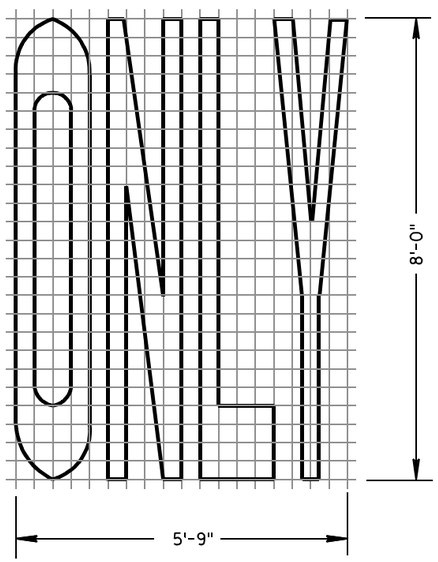


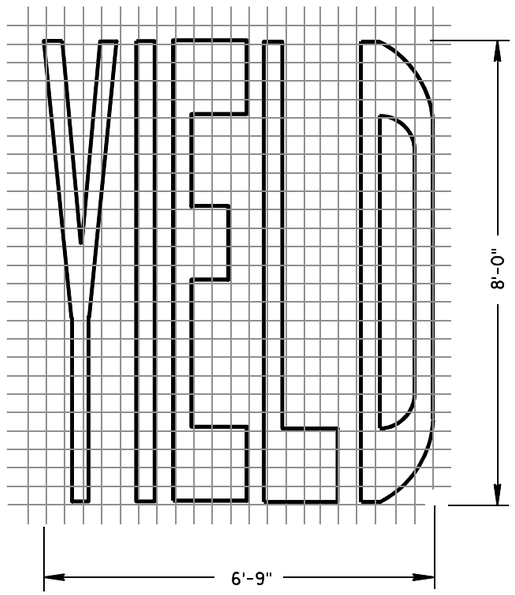


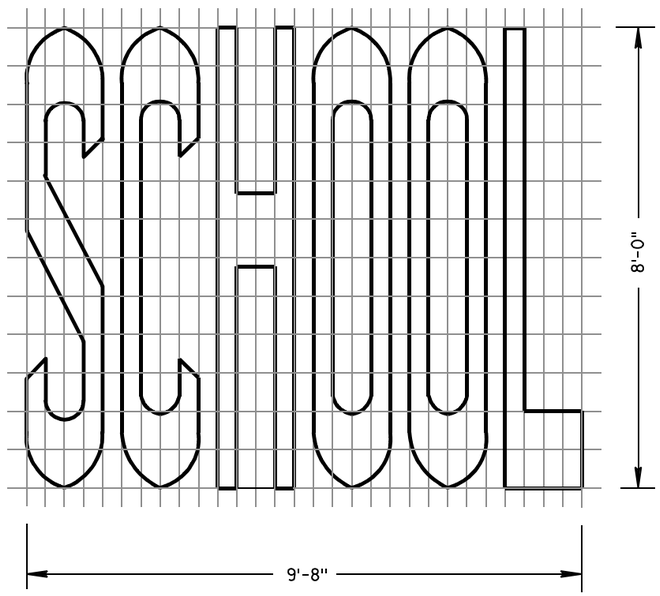


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER — IGN

FHWA

6

S.D.D. 15 C 7-12b

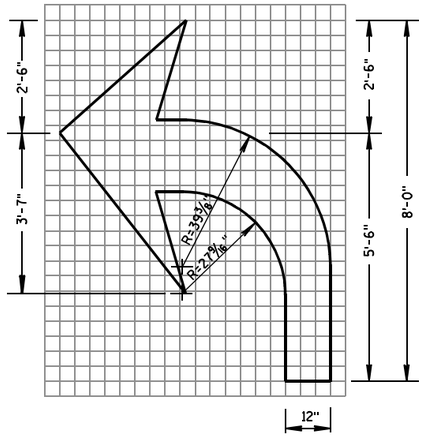
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S.D.D. 15 C 7-12b

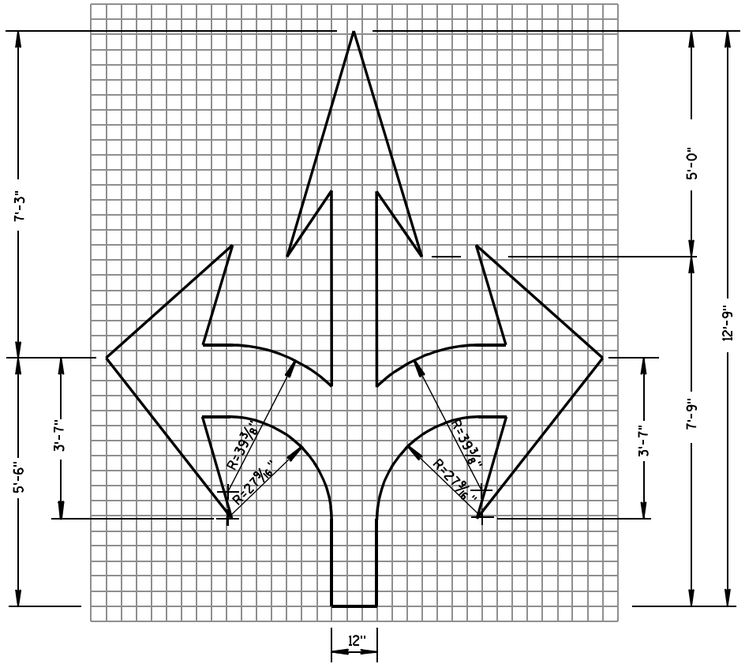
GENERAL NOTES

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

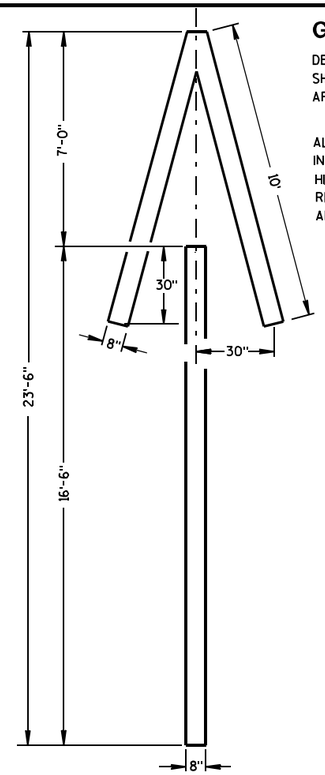
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



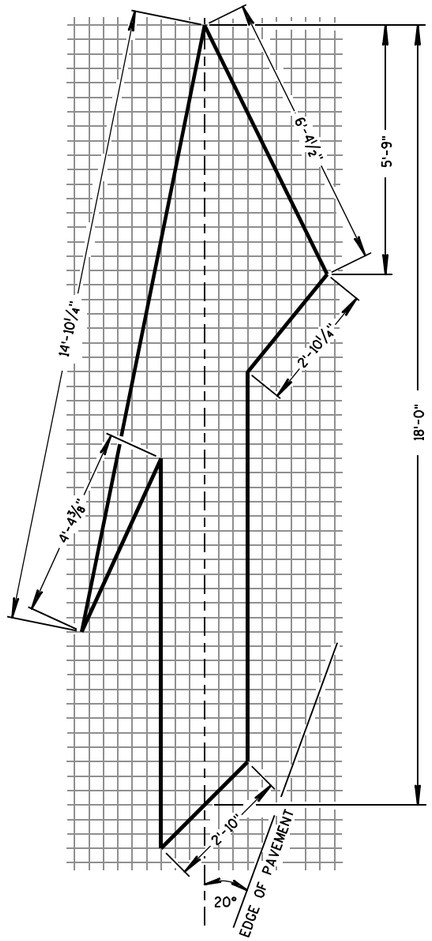
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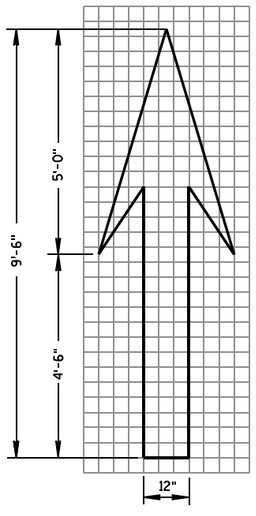
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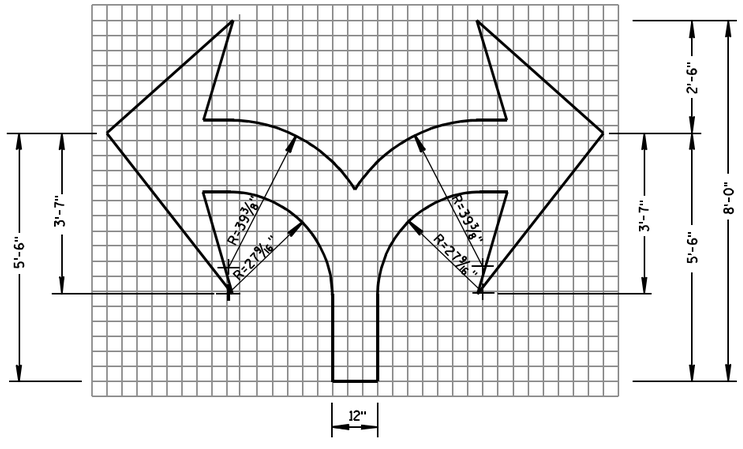
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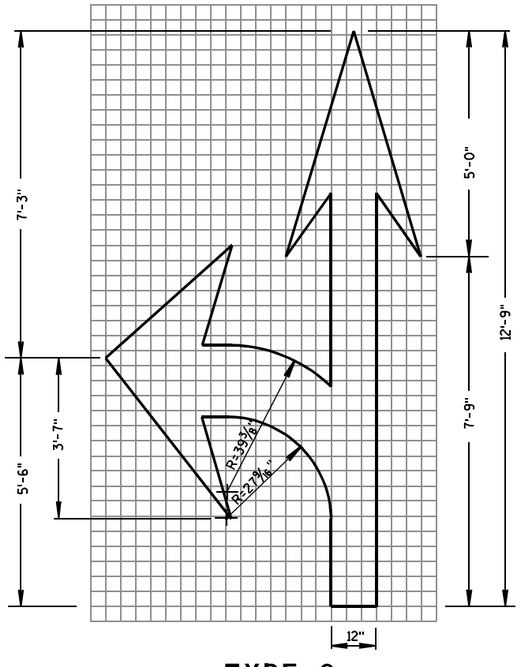
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

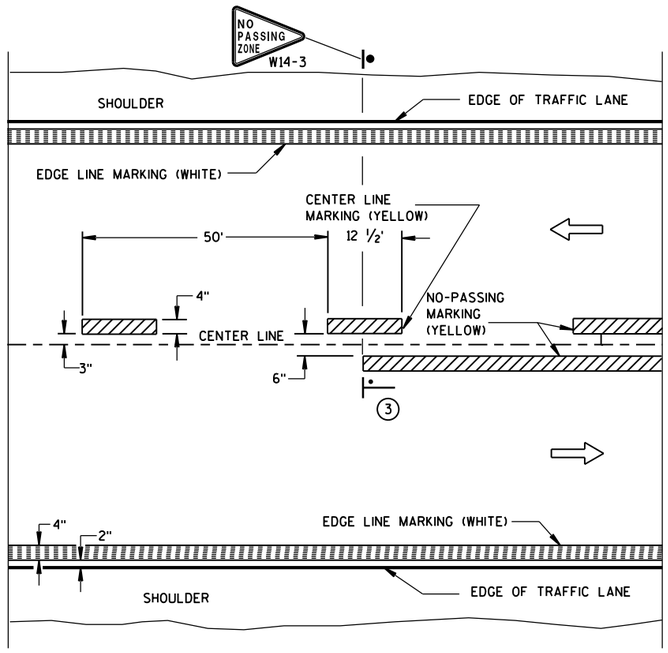
FHWA

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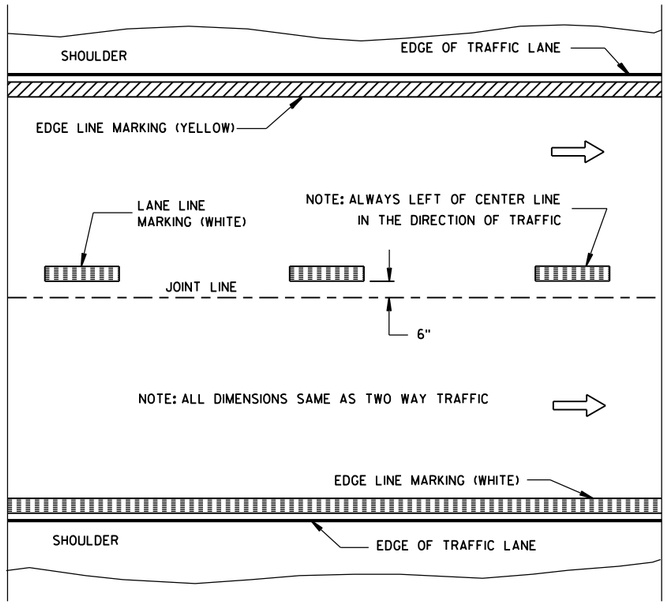
S.D.D. 15 C 7-12c

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S.D.D. 15 C 7-12c

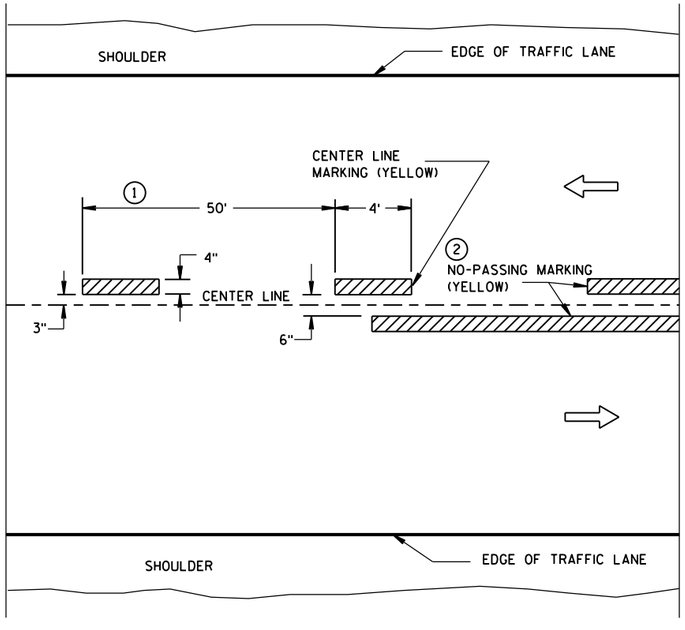


TWO WAY TRAFFIC

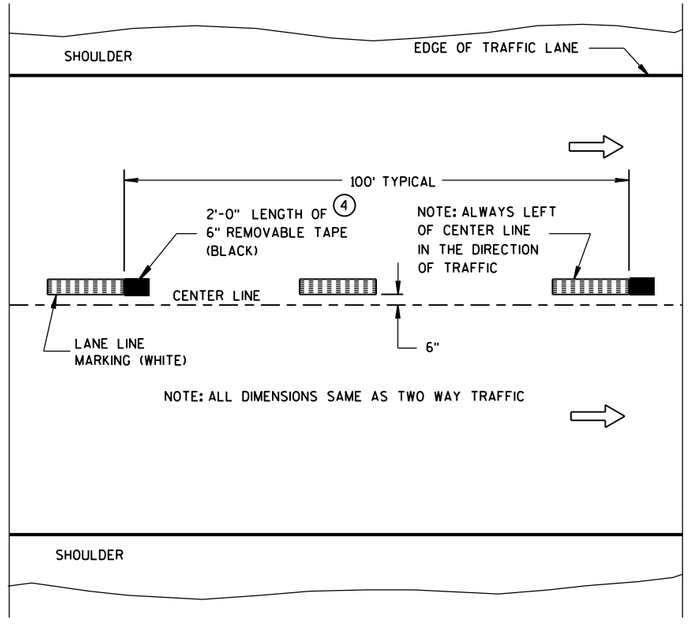


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

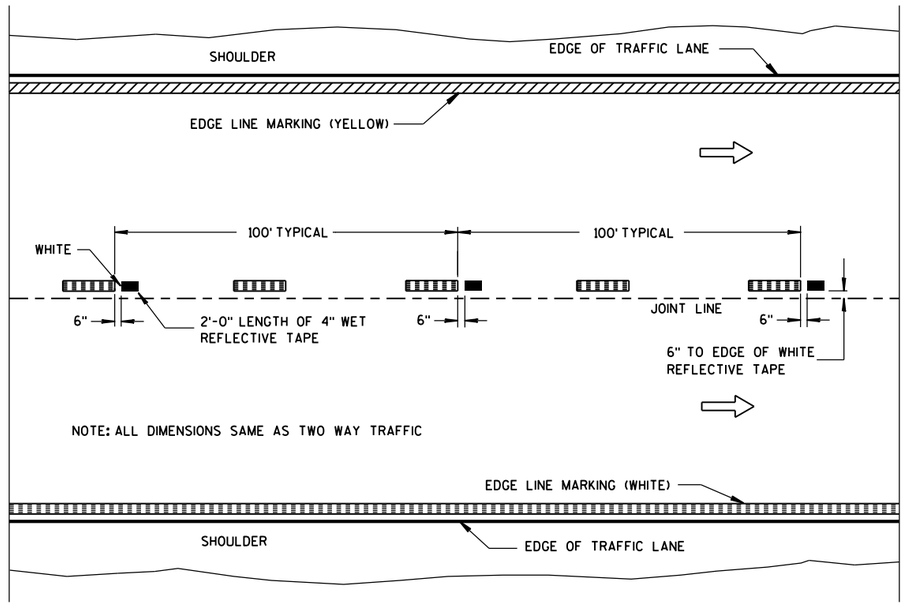
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

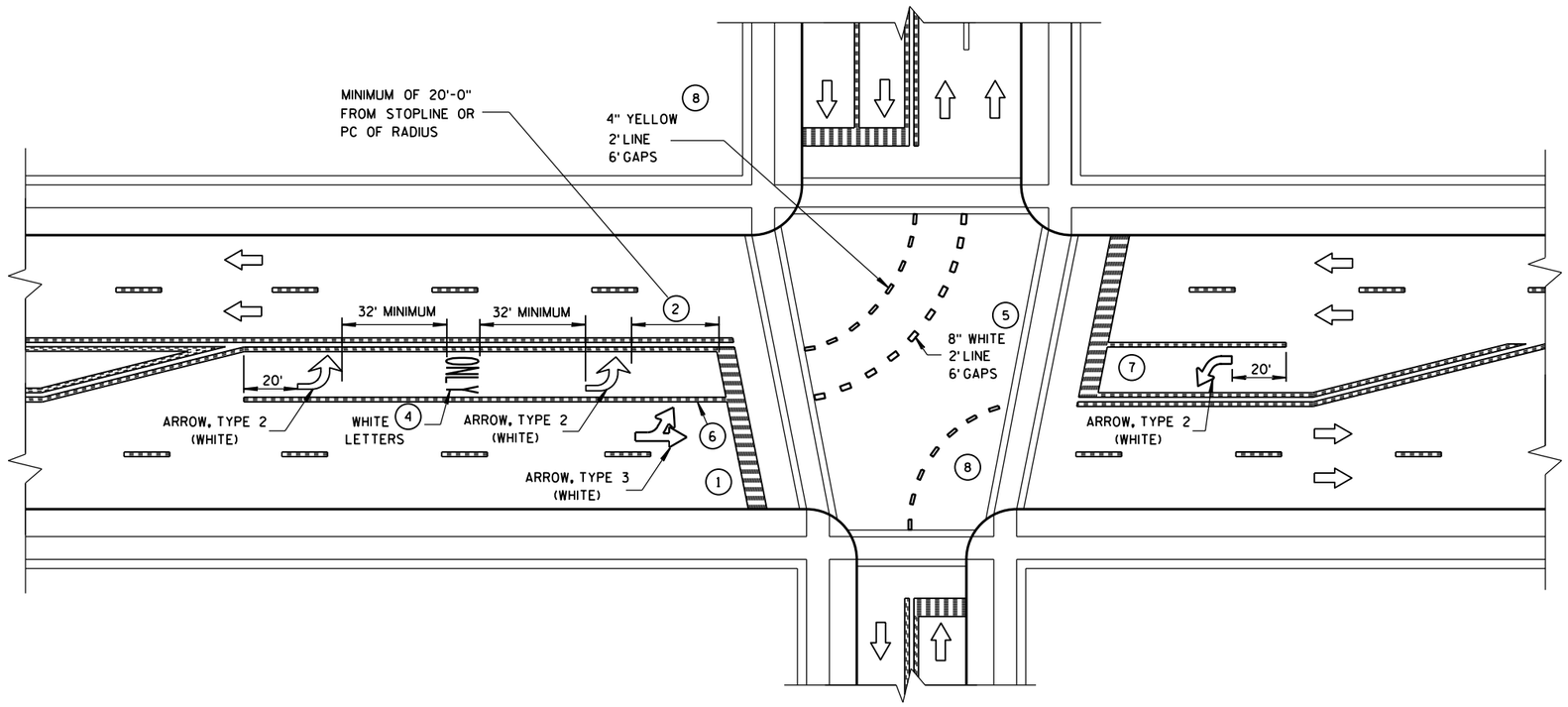
APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

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S.D.D. 15 C 8-16a

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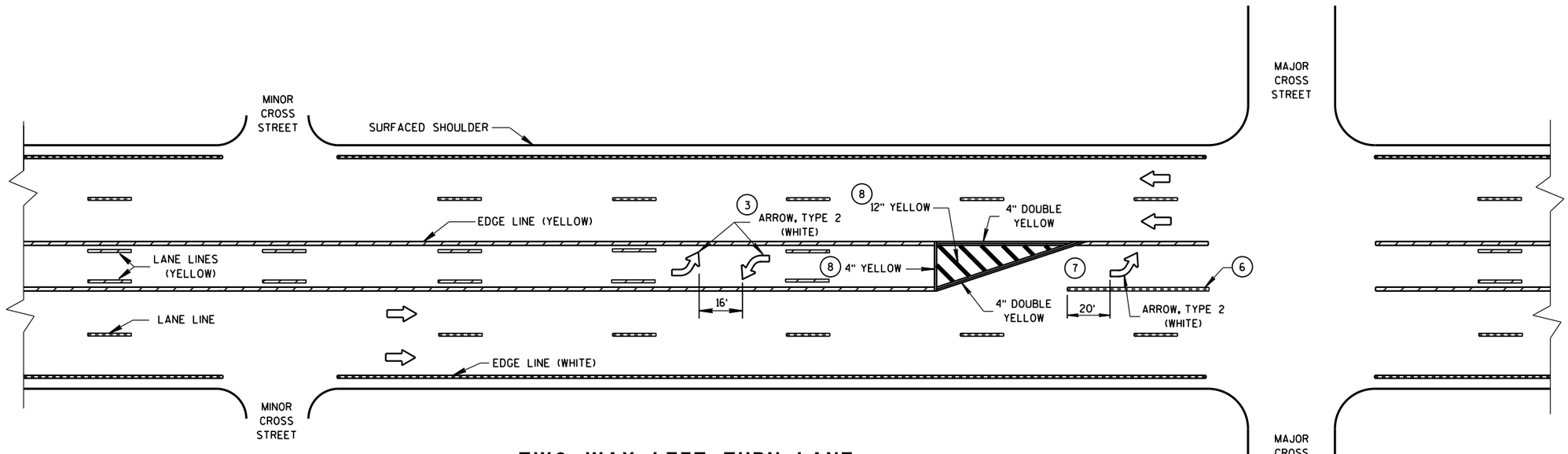
S.D.D. 15 C 8-16a



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 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET 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 FEET.
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)

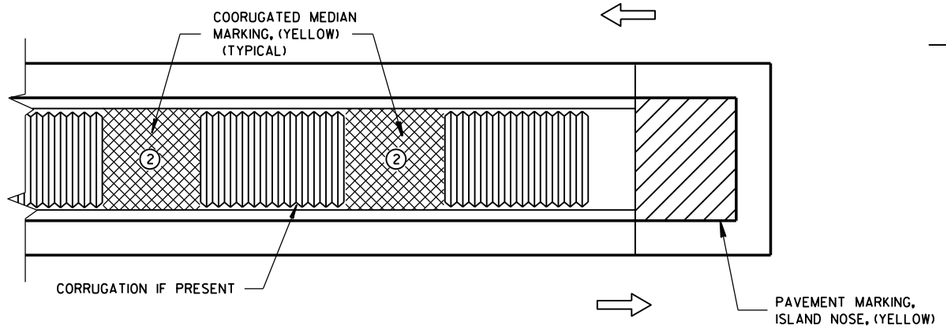
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

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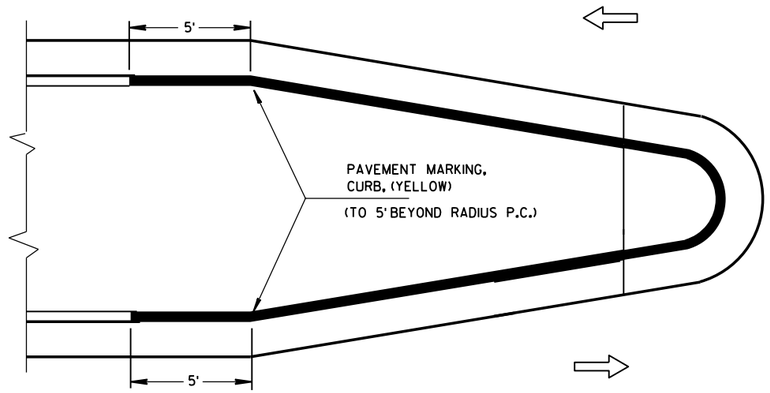
S.D.D. 15 C 8-16e

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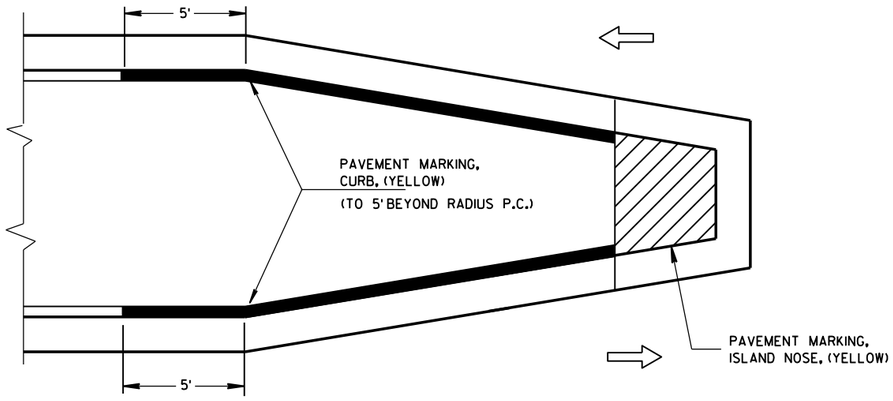
S.D.D. 15 C 8-16e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

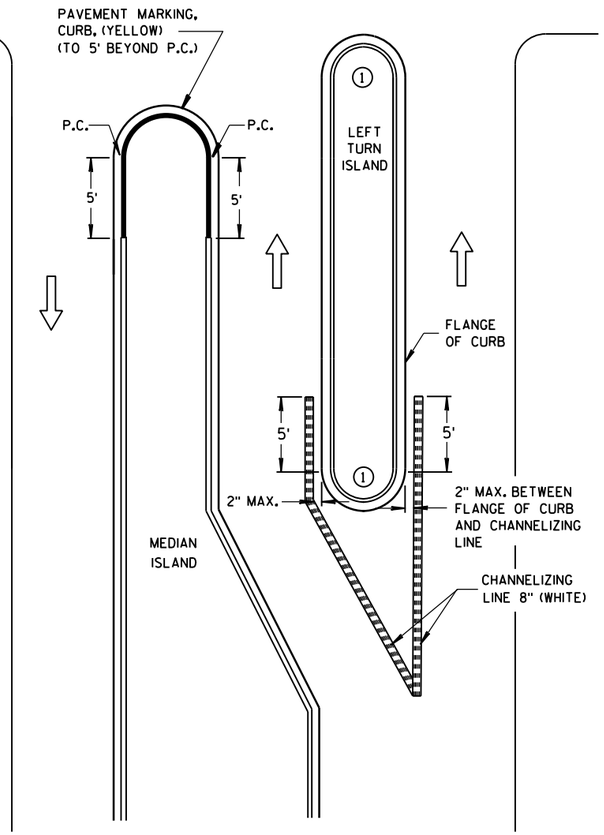


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

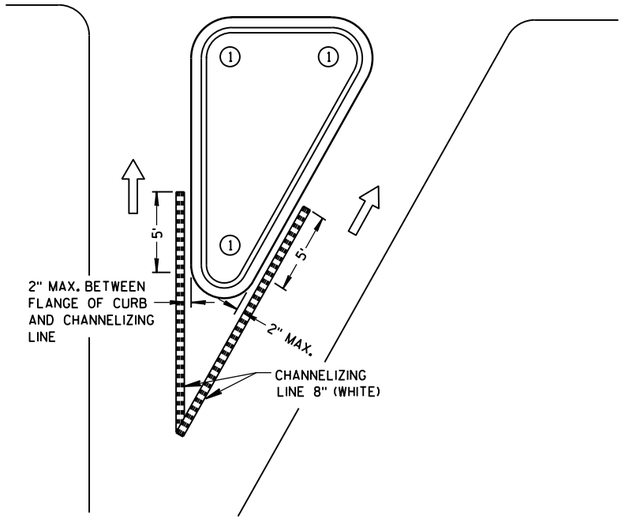


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. 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

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

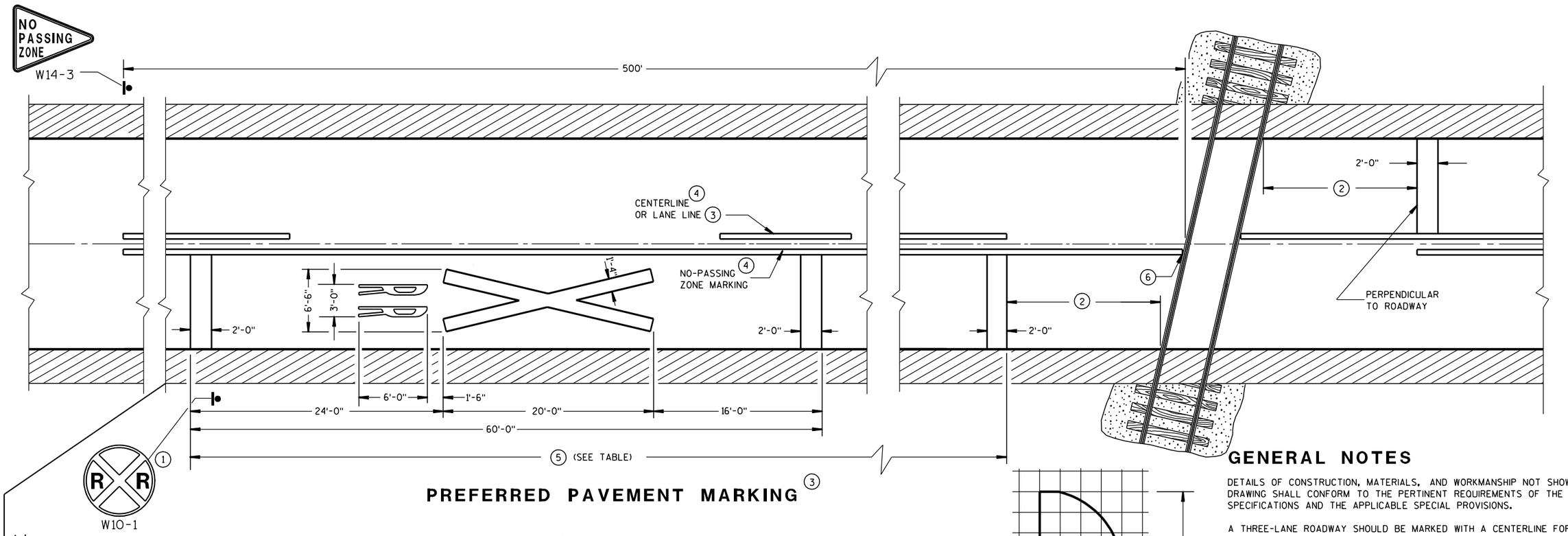
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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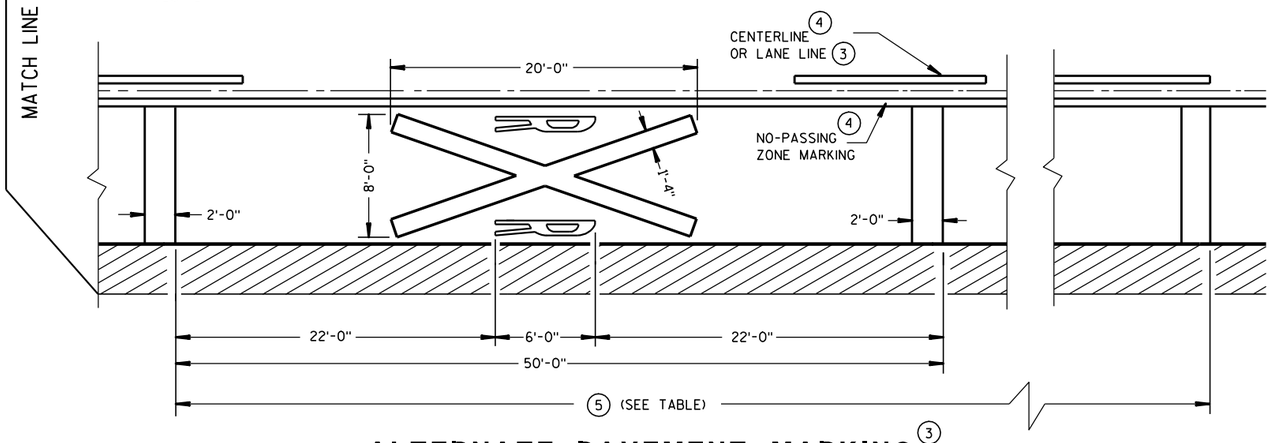
S.D.D. 15 C 8-16f

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S.D.D. 15 C 8-16f



PREFERRED PAVEMENT MARKING 3

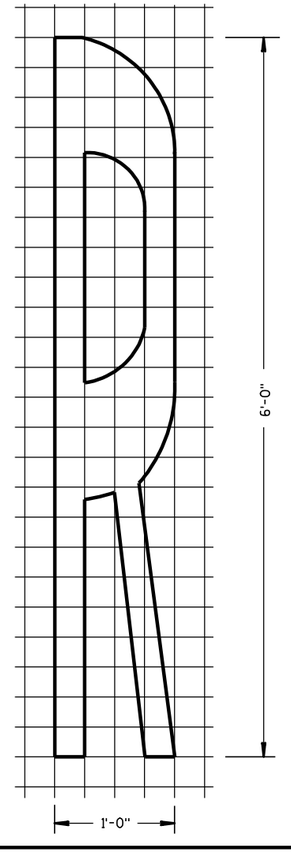


ALTERNATE PAVEMENT MARKING 3

5

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



GENERAL NOTES

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

A THREE-LANE ROADWAY SHOULD BE MARKED WITH A CENTERLINE FOR TWO-LANE APPROACH OPERATION ON THE APPROACH TO A CROSSING.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE. ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH THE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" (ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION).

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

1. A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).
2. MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
3. REFLECTIVE WHITE.
4. REFLECTIVE YELLOW 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
5. TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

1-9-2012
DATE

/S/ Thomas N. [illegible]
STATE TRAFFIC ENGINEER

FHWA

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

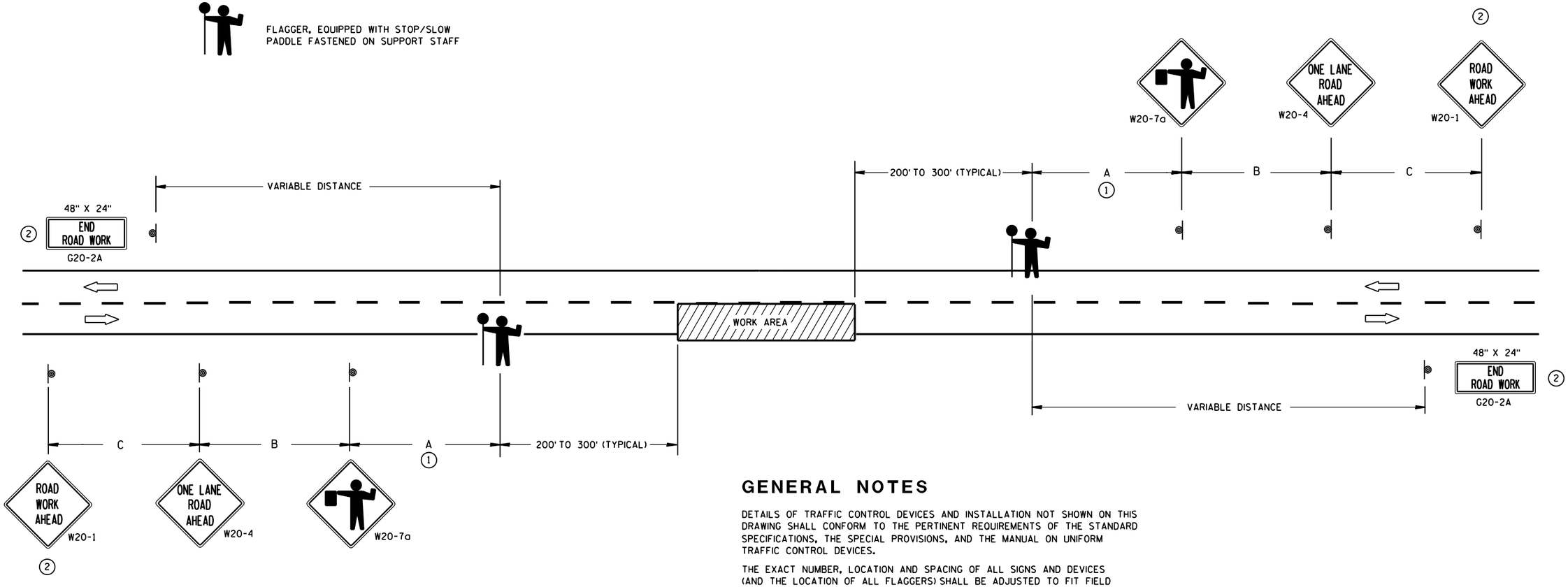
SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

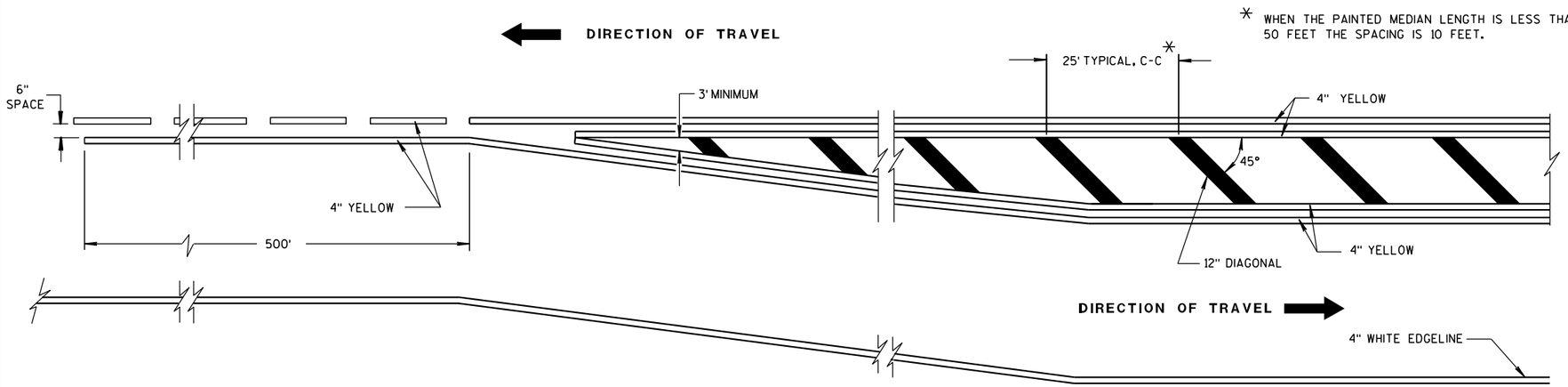
APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 C 12-4

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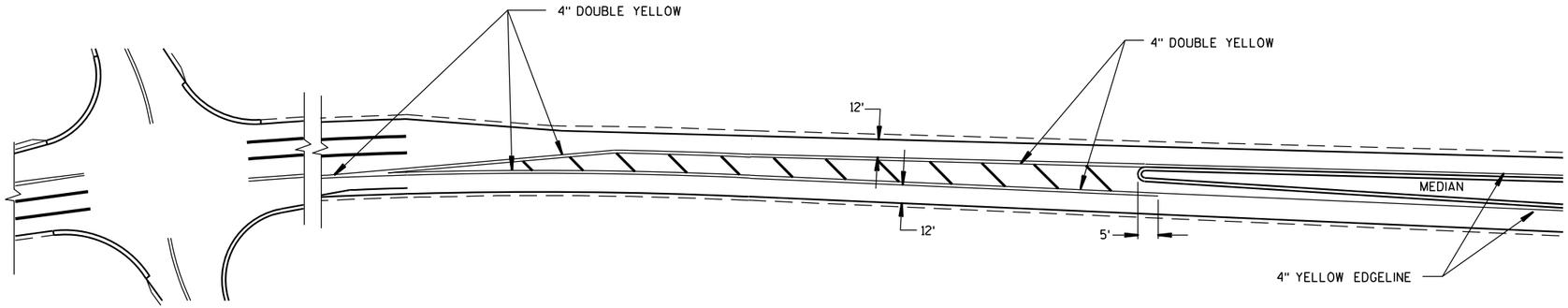
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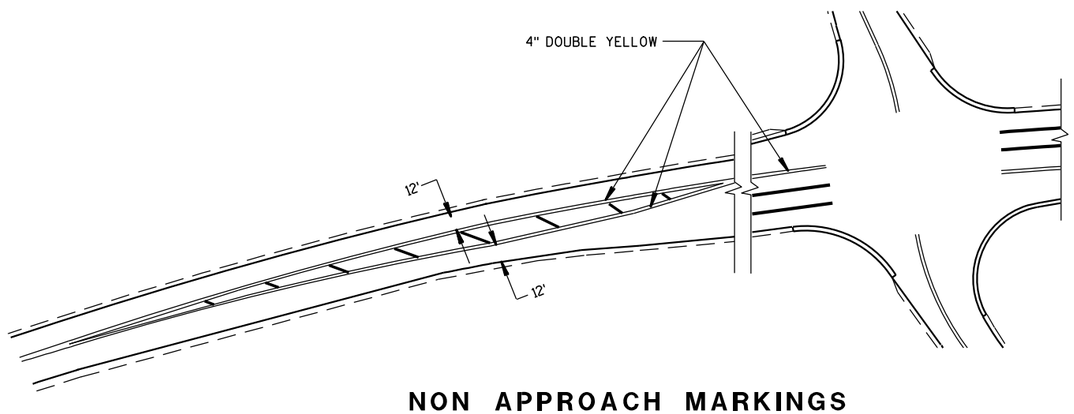
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

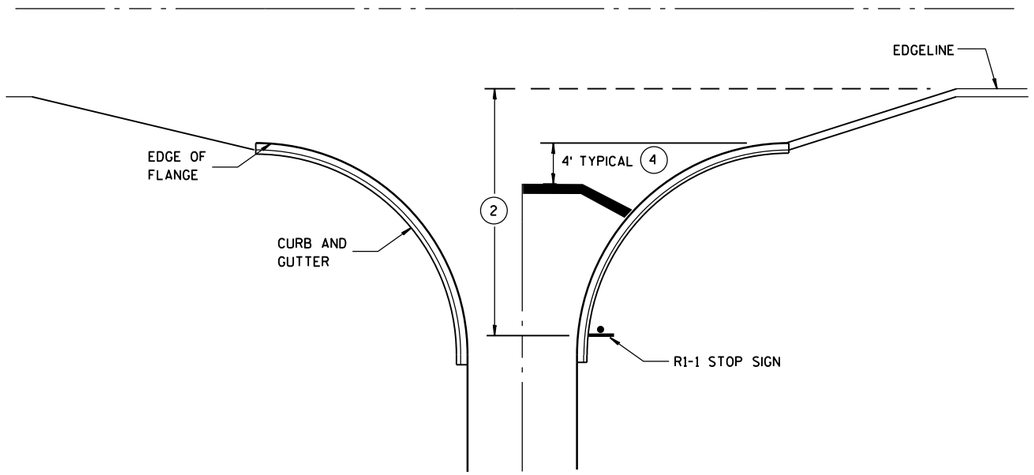
MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER 380 IGN
FHWA	

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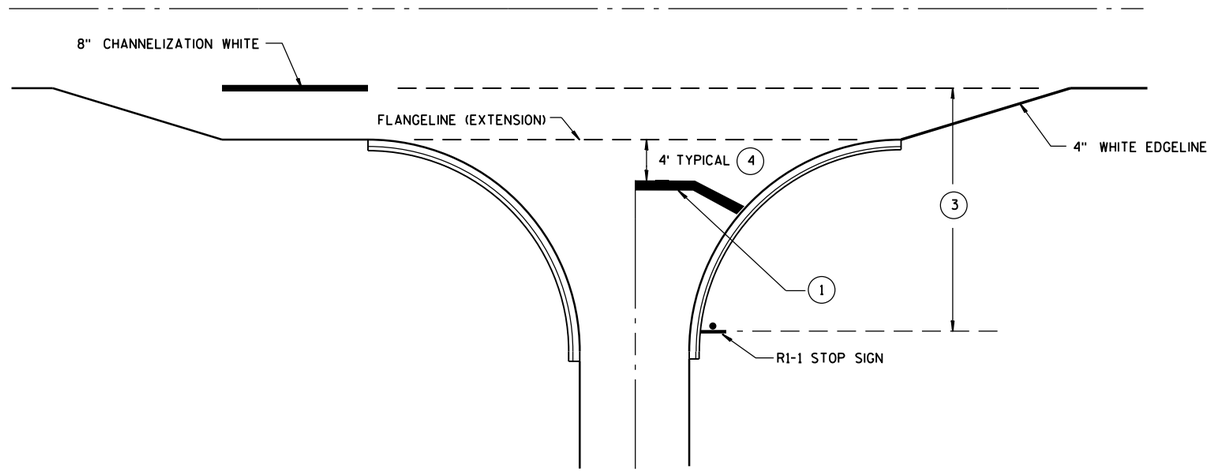
S.D.D. 15 C 18-3

6

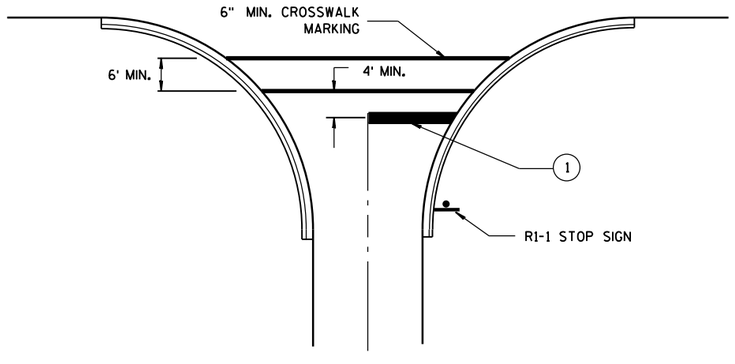
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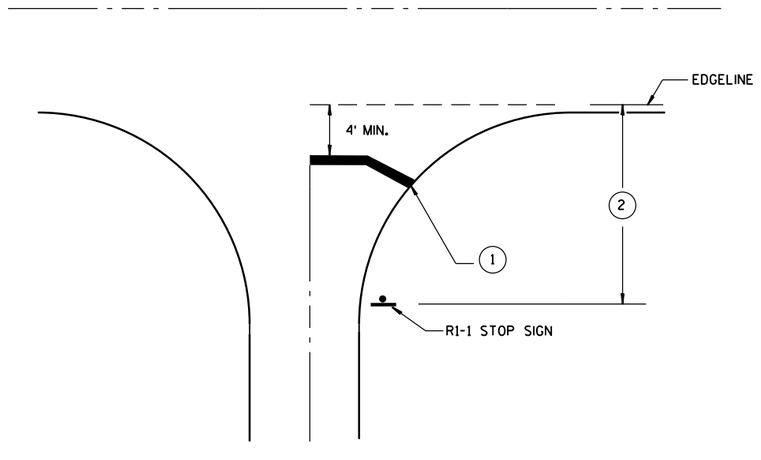
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

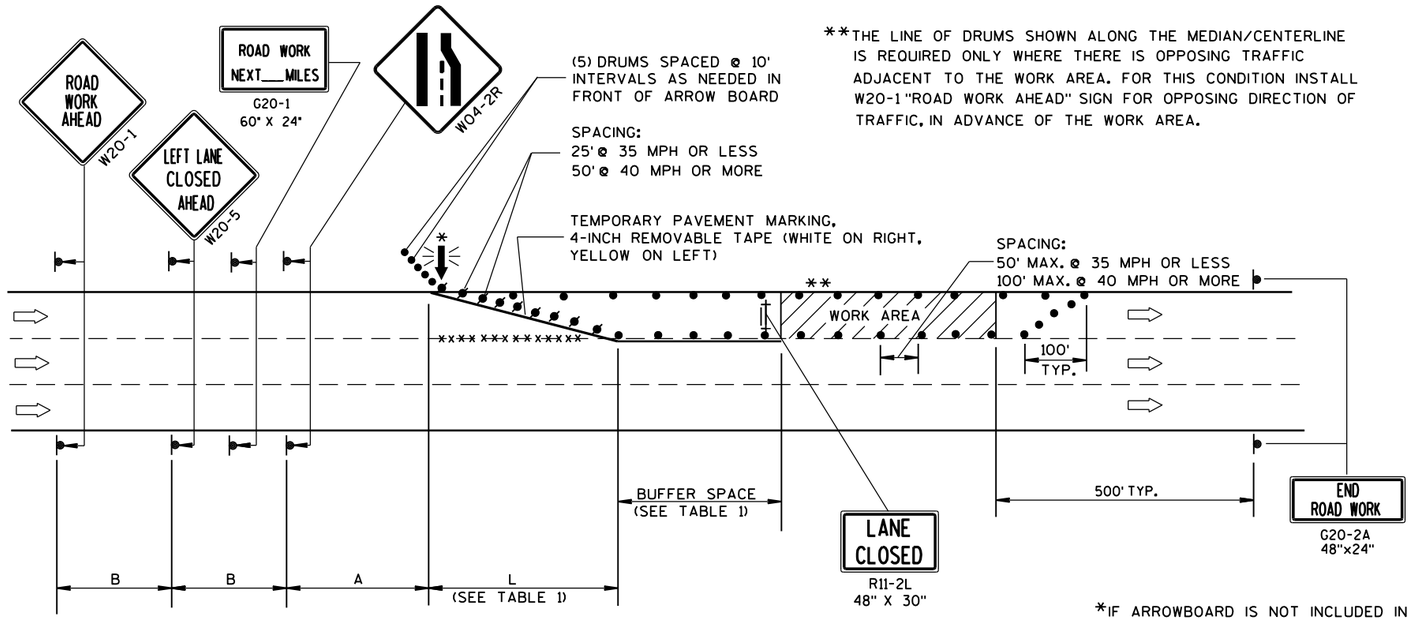
4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

6

S.D.D. 15 C 33-1



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

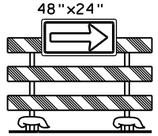


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, 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
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 D 20-2

6

S.D.D. 15 D 20-2

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.

ALL SIGNS ARE 48" X 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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS 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.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

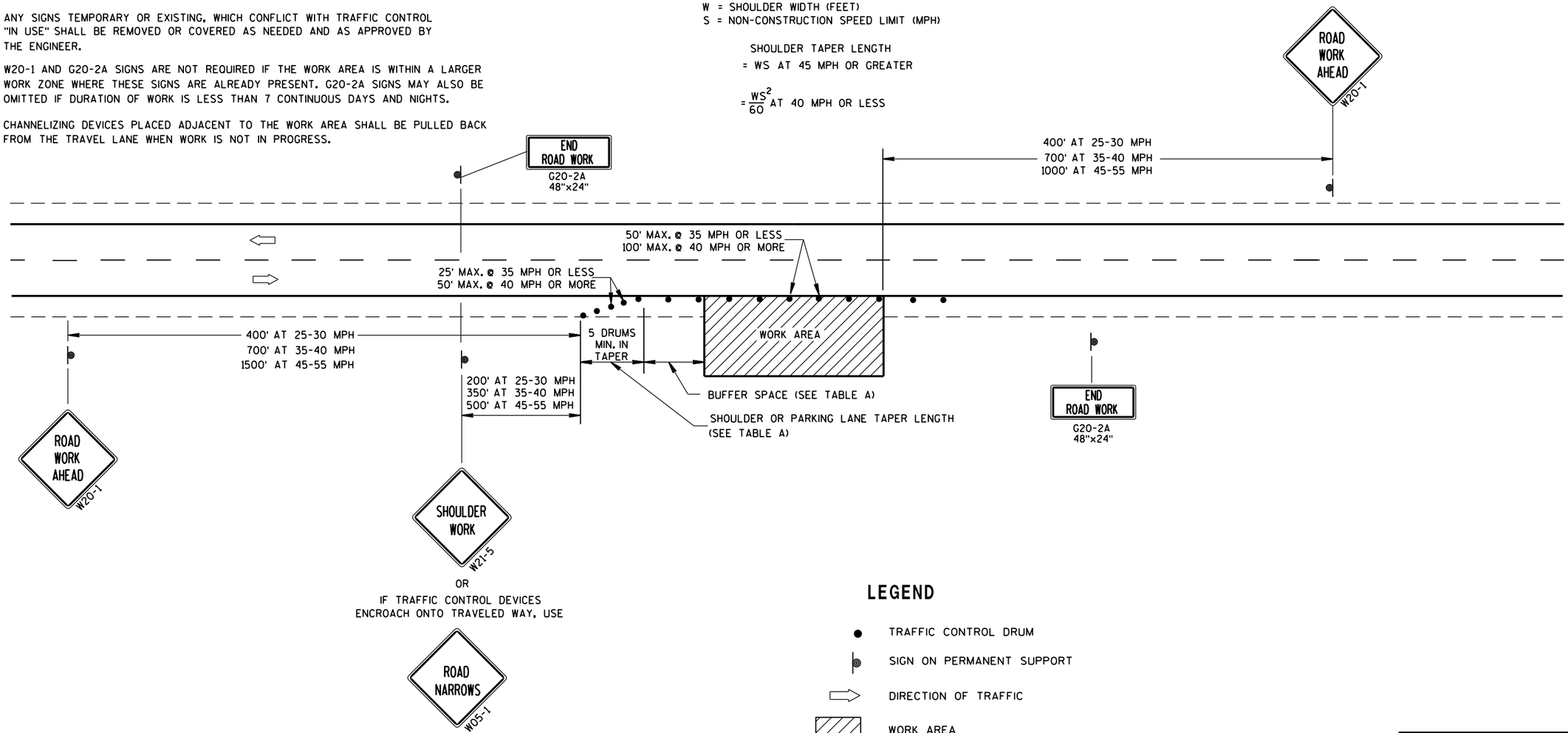
TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
= WS AT 45 MPH OR GREATER

$= \frac{WS^2}{60}$ AT 40 MPH OR LESS



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

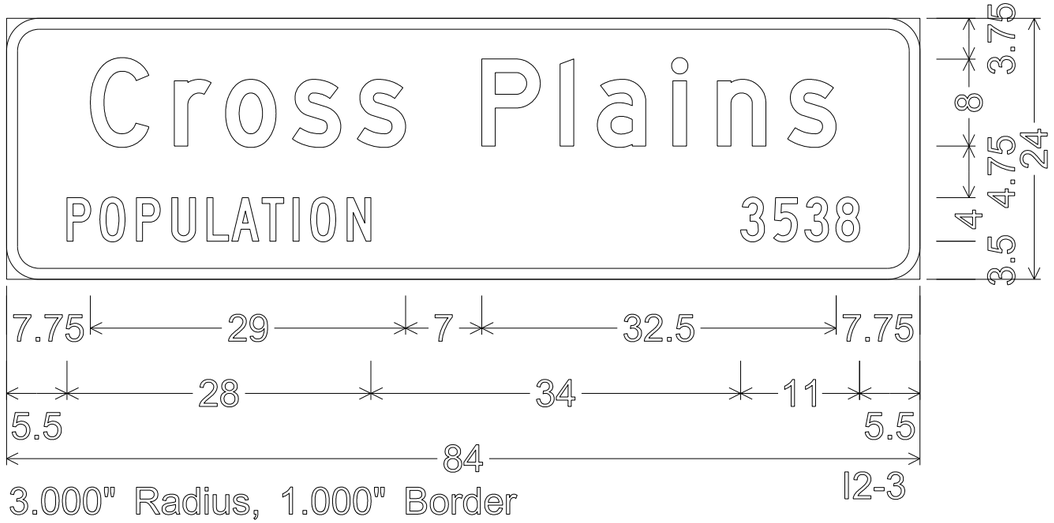
FHWA

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S.D.D. 15 D 28-2

NOTES

1. All Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



3.000" Radius, 1.000" Border

I2-3

"Cross" D; "Plains" D;

"POPULATION" C 125% spacing; "3538" C;



2.250" Radius, 0.750" Border

D2-1

"Madison" E; "14" E;

7

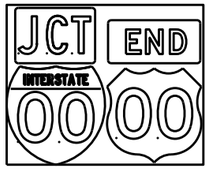
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING	SHEET NO: 384	E

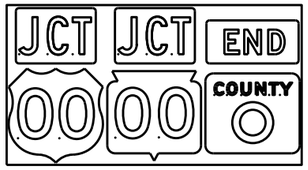
TYPICAL ASSEMBLIES



J1-1



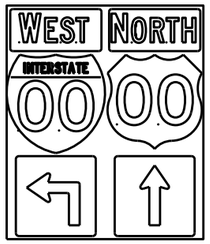
J1-2



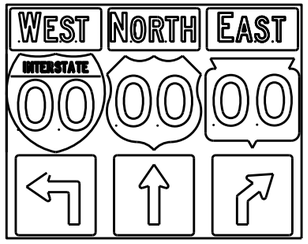
J1-3



J2-1



J2-2

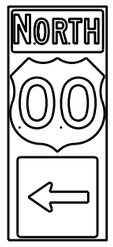


J2-3

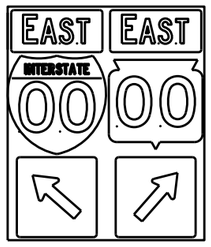


JV

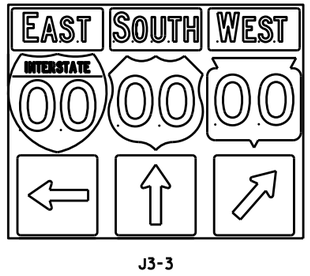
(Typical Vertical J-Assembly
See Note 10 and 11)



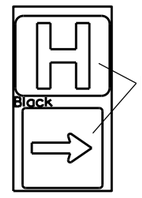
J3-1



J3-2



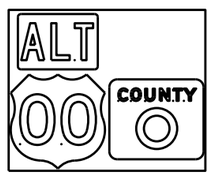
J3-3



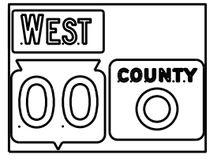
JH-1



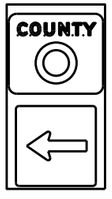
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

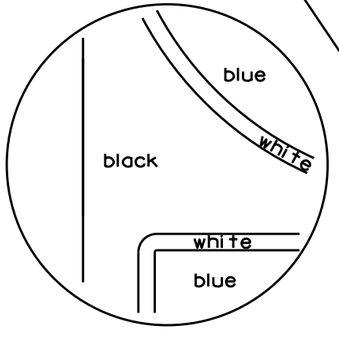


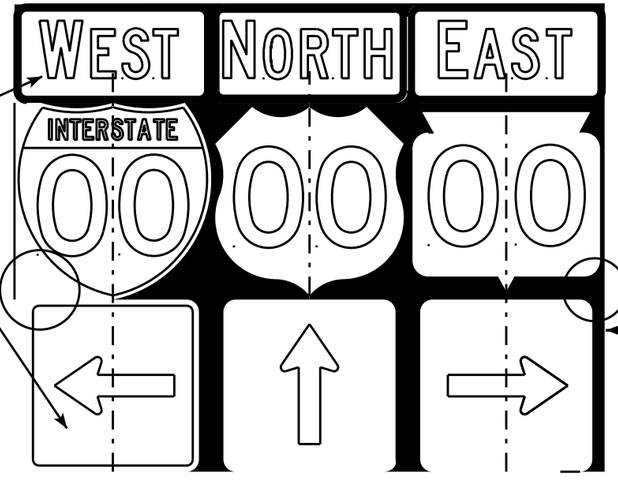
J23-1

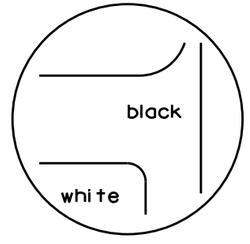


J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

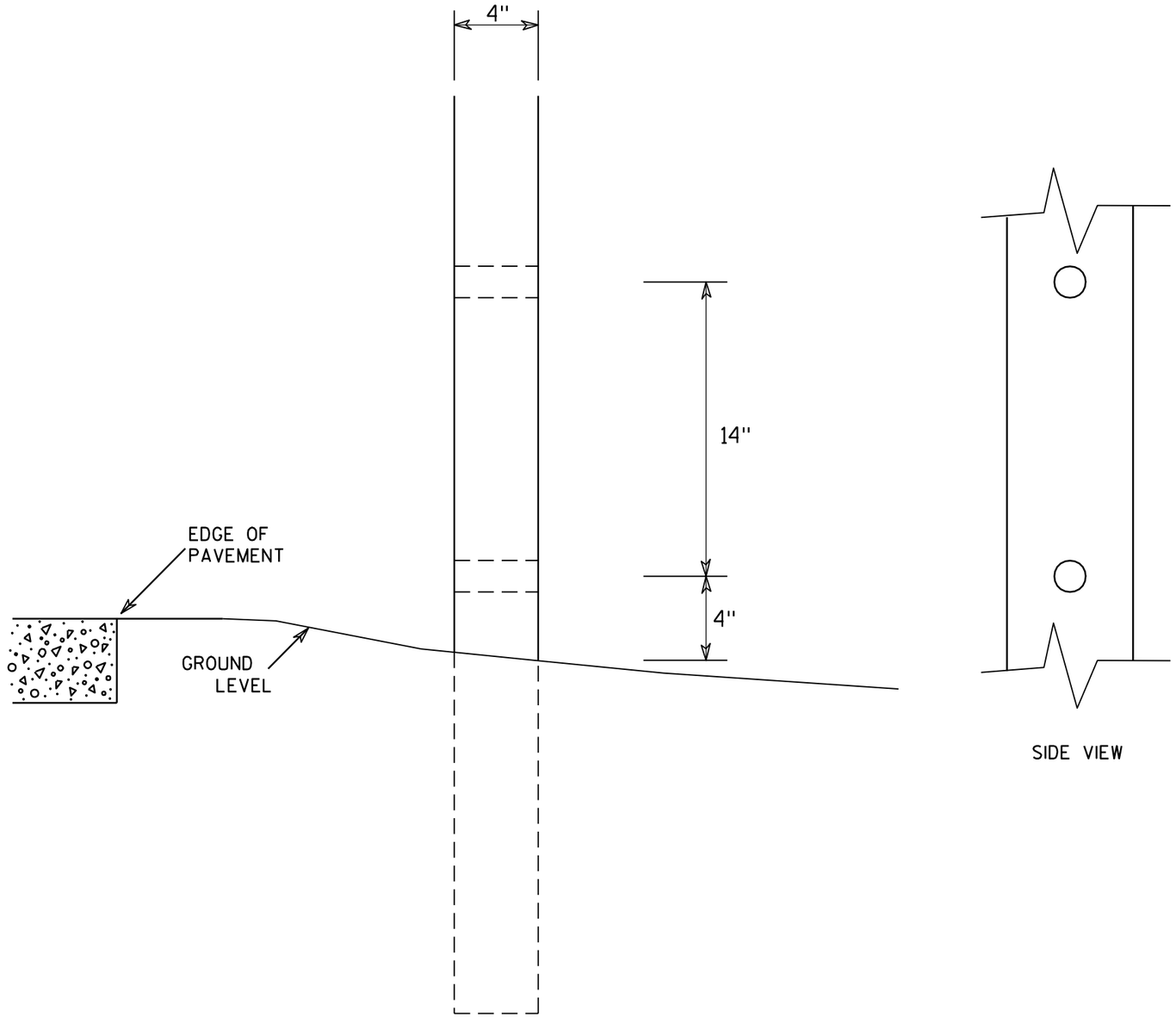
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

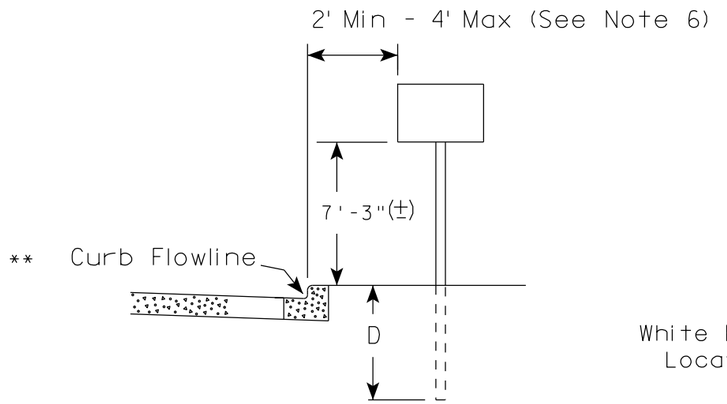
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

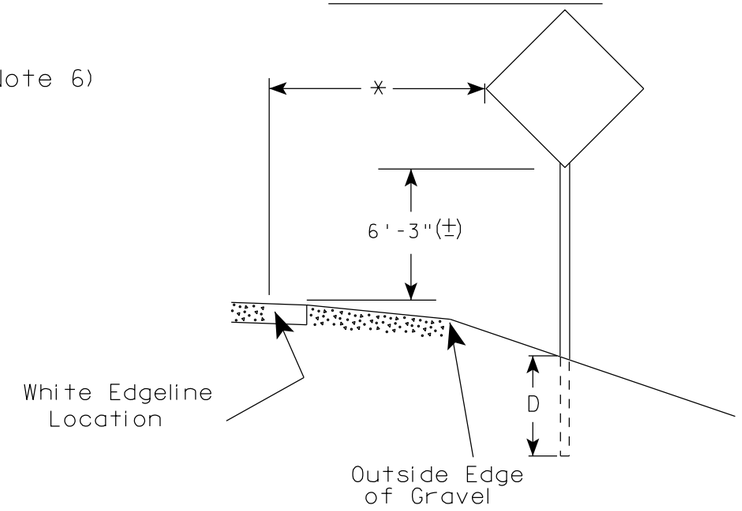
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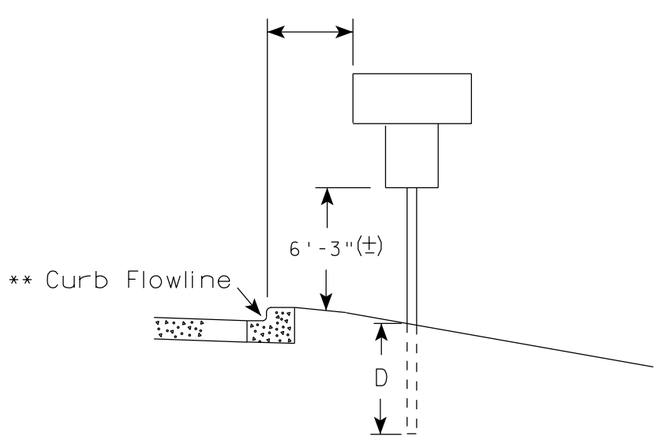
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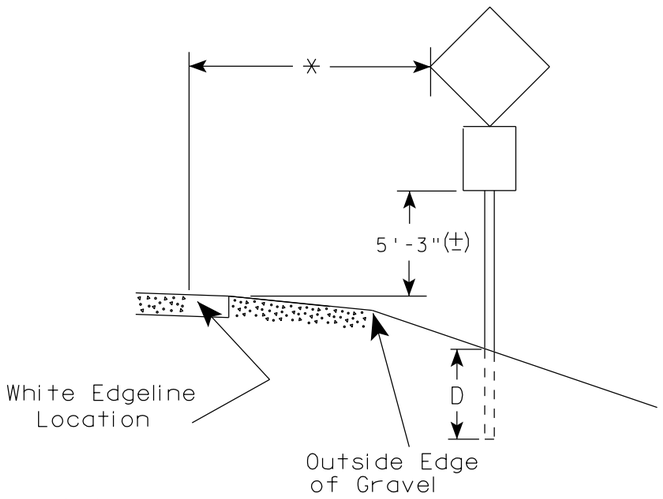
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) 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 signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

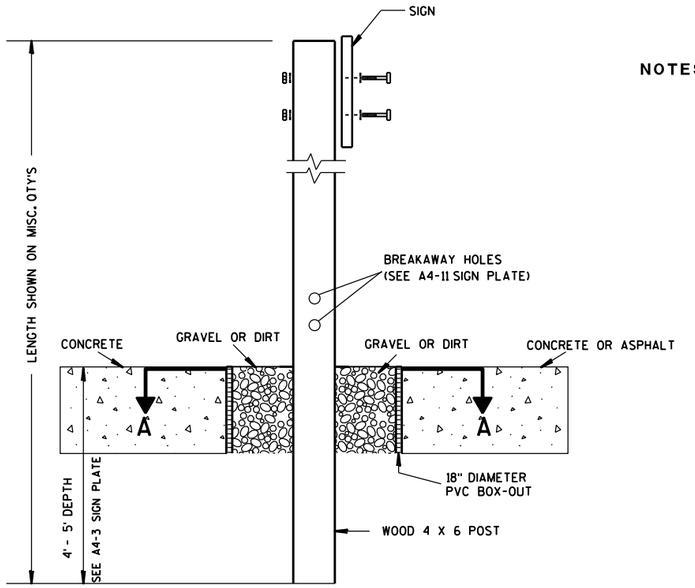
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-3.19

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

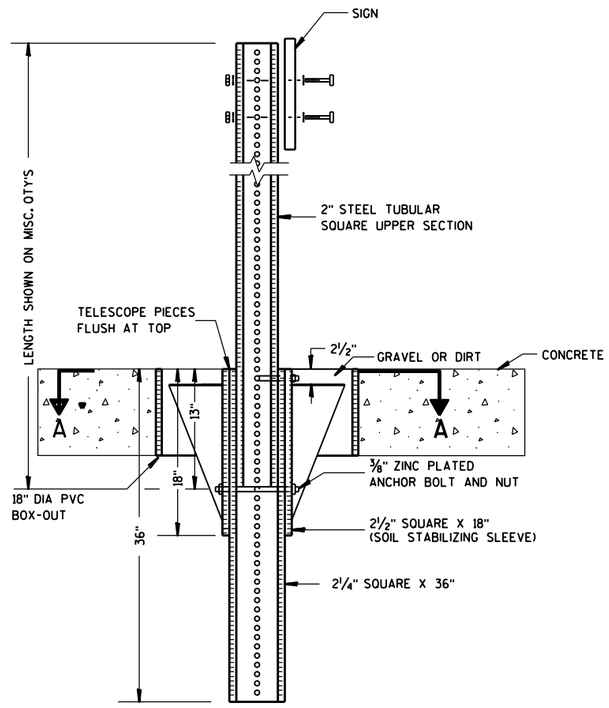
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WISDOT/CADDS SHEET 42



ELEVATION VIEW

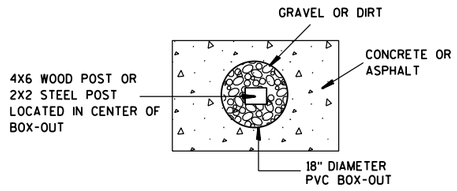
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

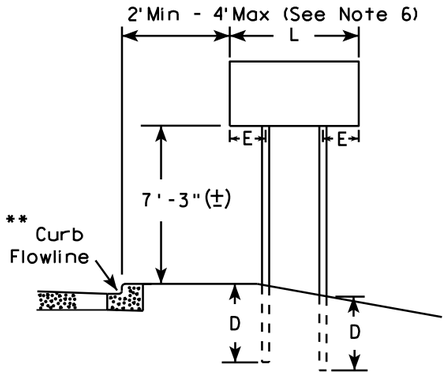
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

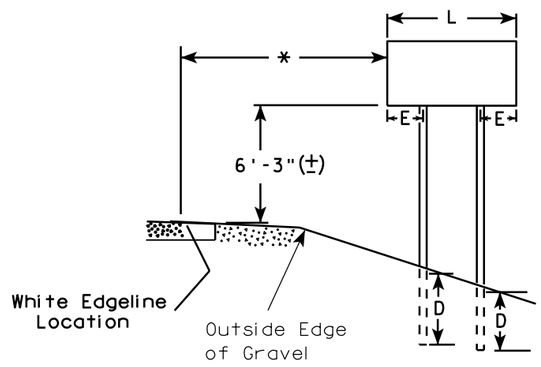
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

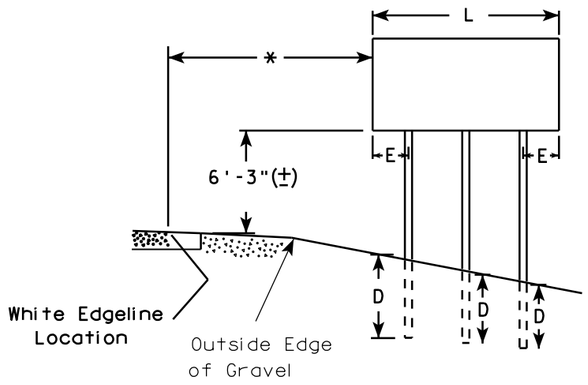
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

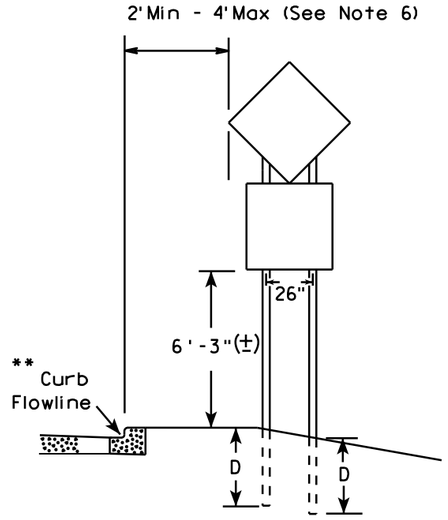
URBAN AREA



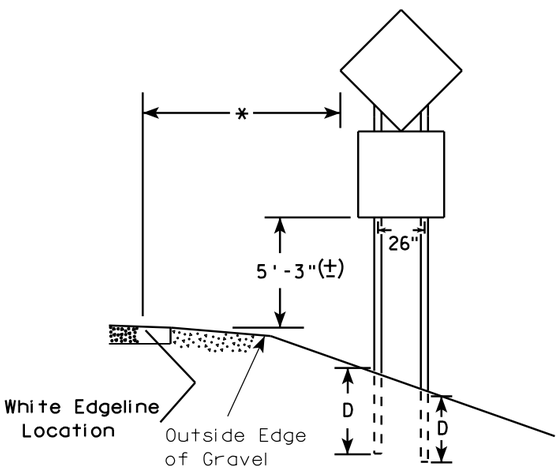
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) 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 signs 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), In Road Object Markers (W5-54) & End of Road Markers (W5-56) 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 less than 20 S.F. 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

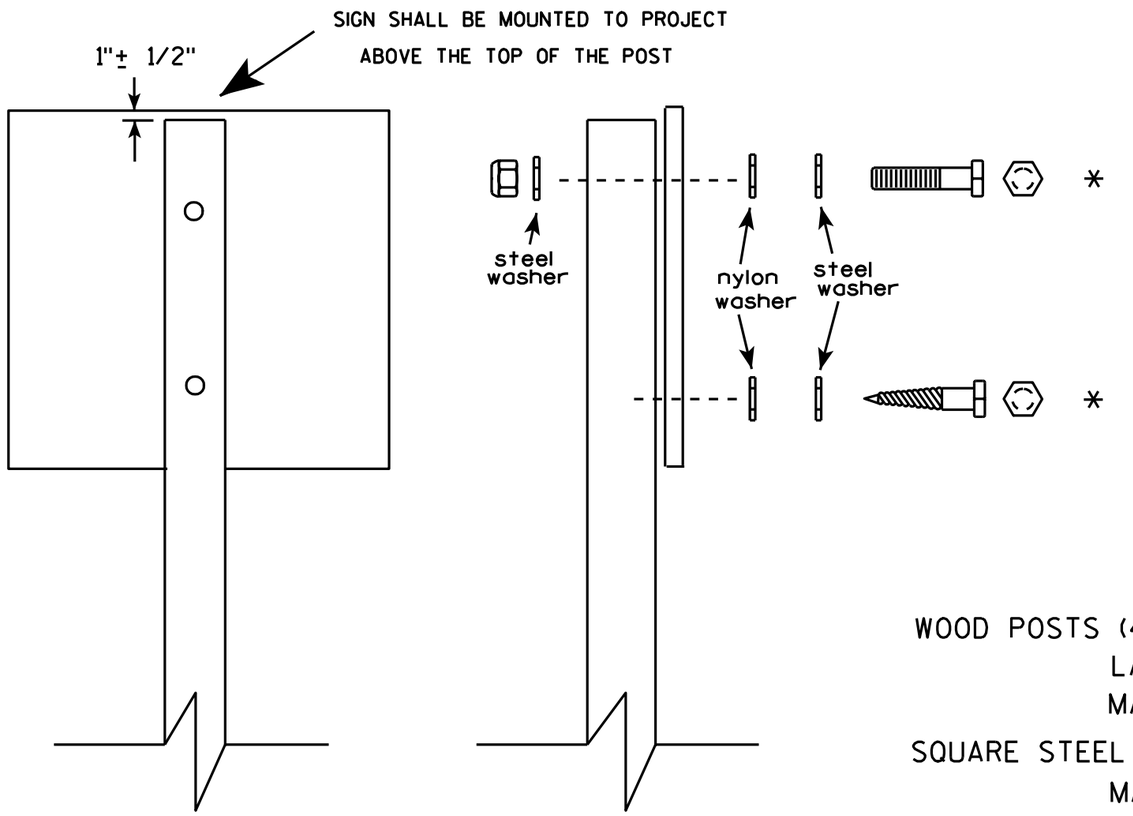
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-4 13

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 12-NOV-2014 14:01 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 107.021305:1.000000 WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

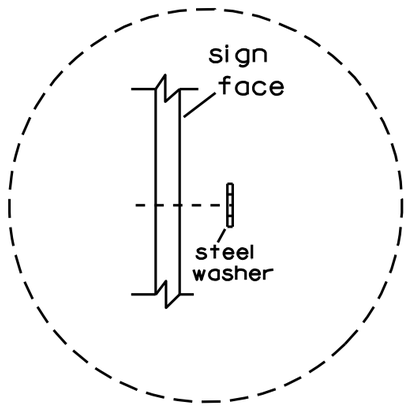
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

7

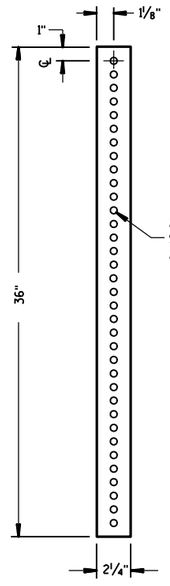
7

PROJECT NO:

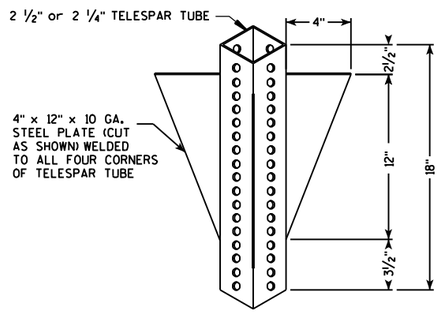
SHEET NO: 390 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

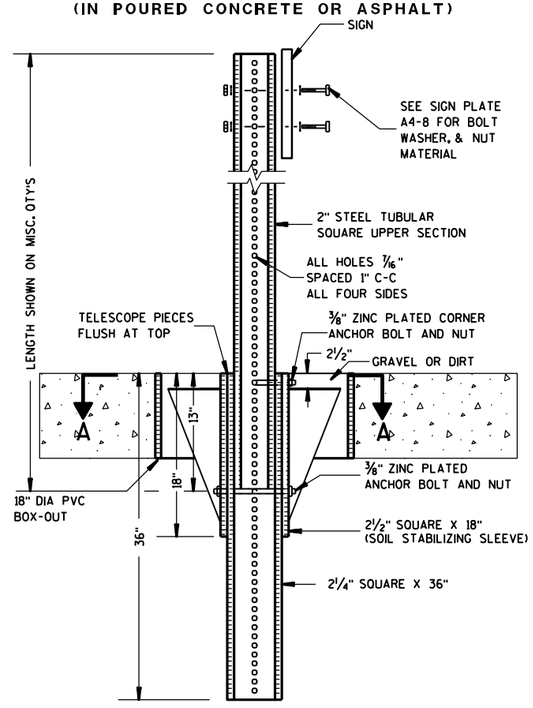
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



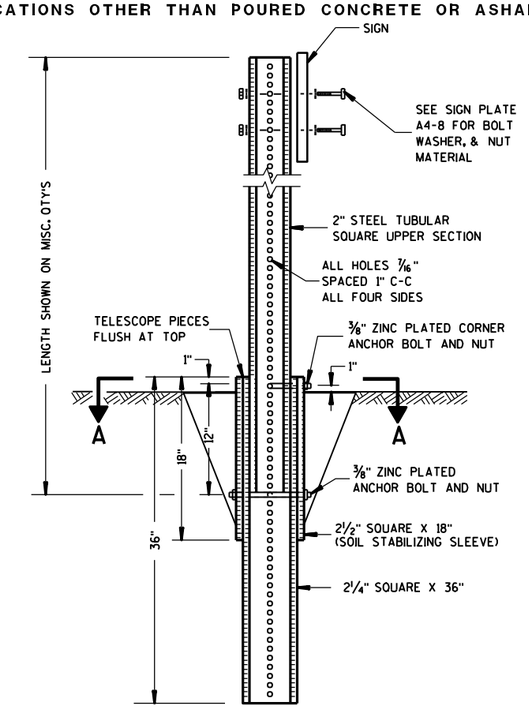
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

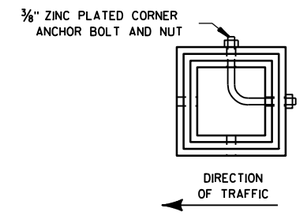


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

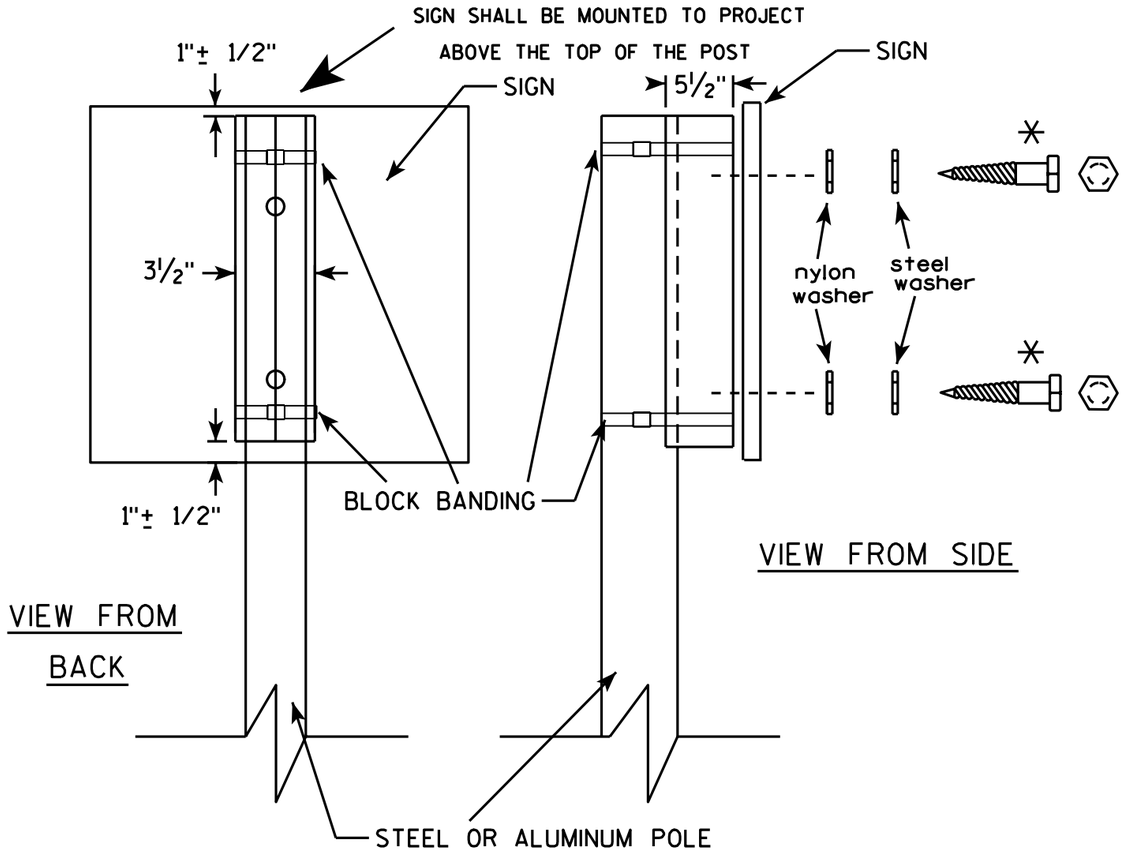
TUBULAR STEEL SIGN POST A4-9

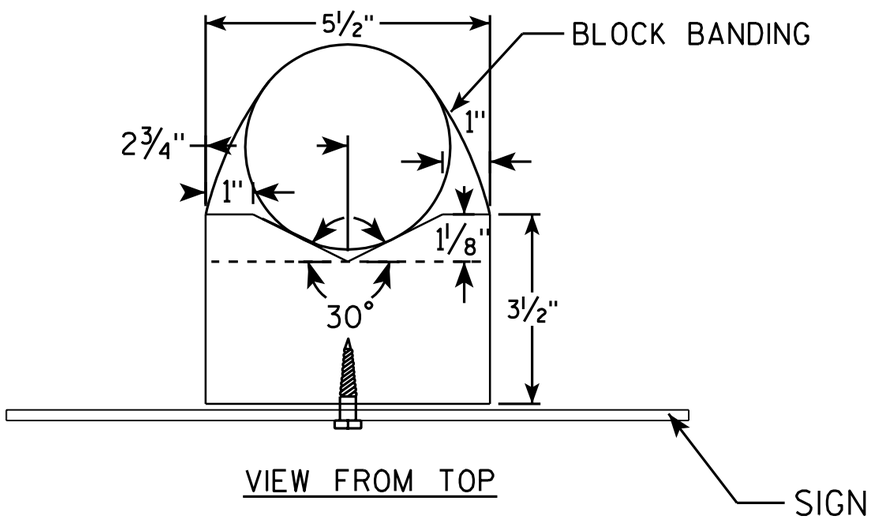
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/30/12 PLATE NO. A4-9.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 391	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

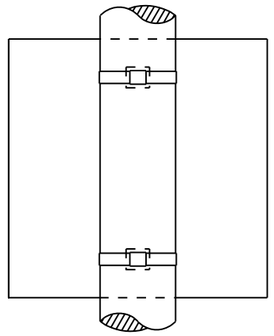
SHEET NO: 392 E

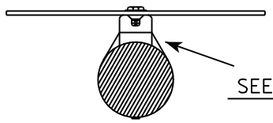
FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

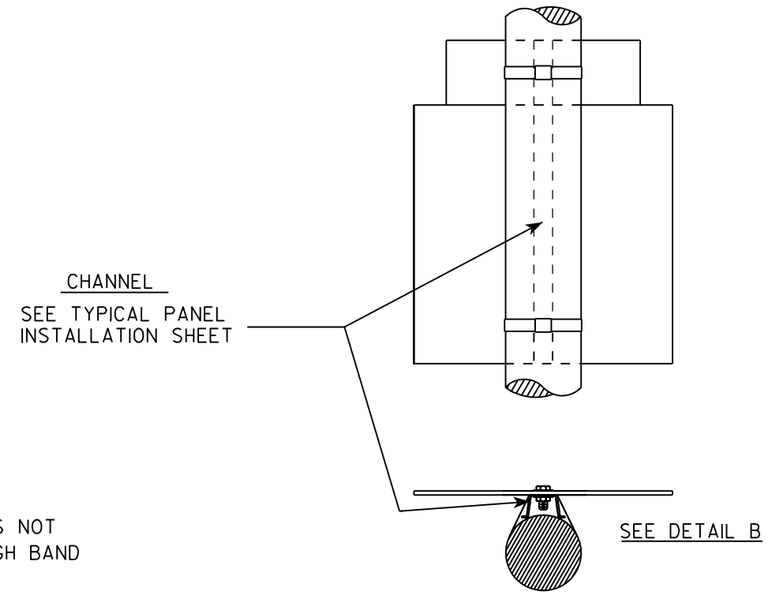
BANDING

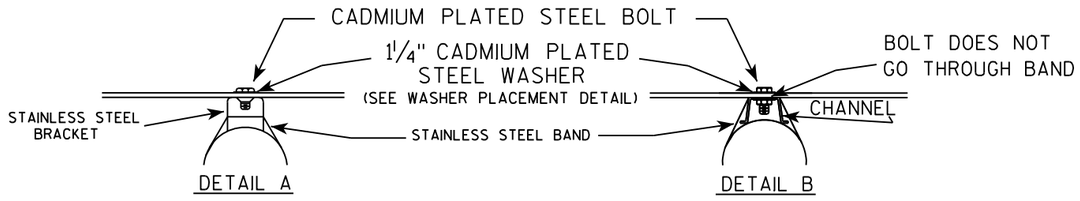
SINGLE SIGN



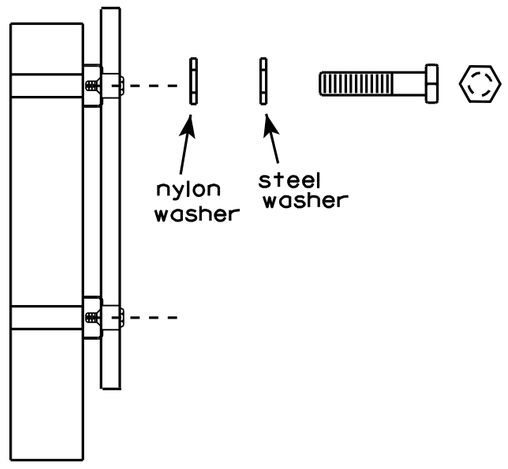


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

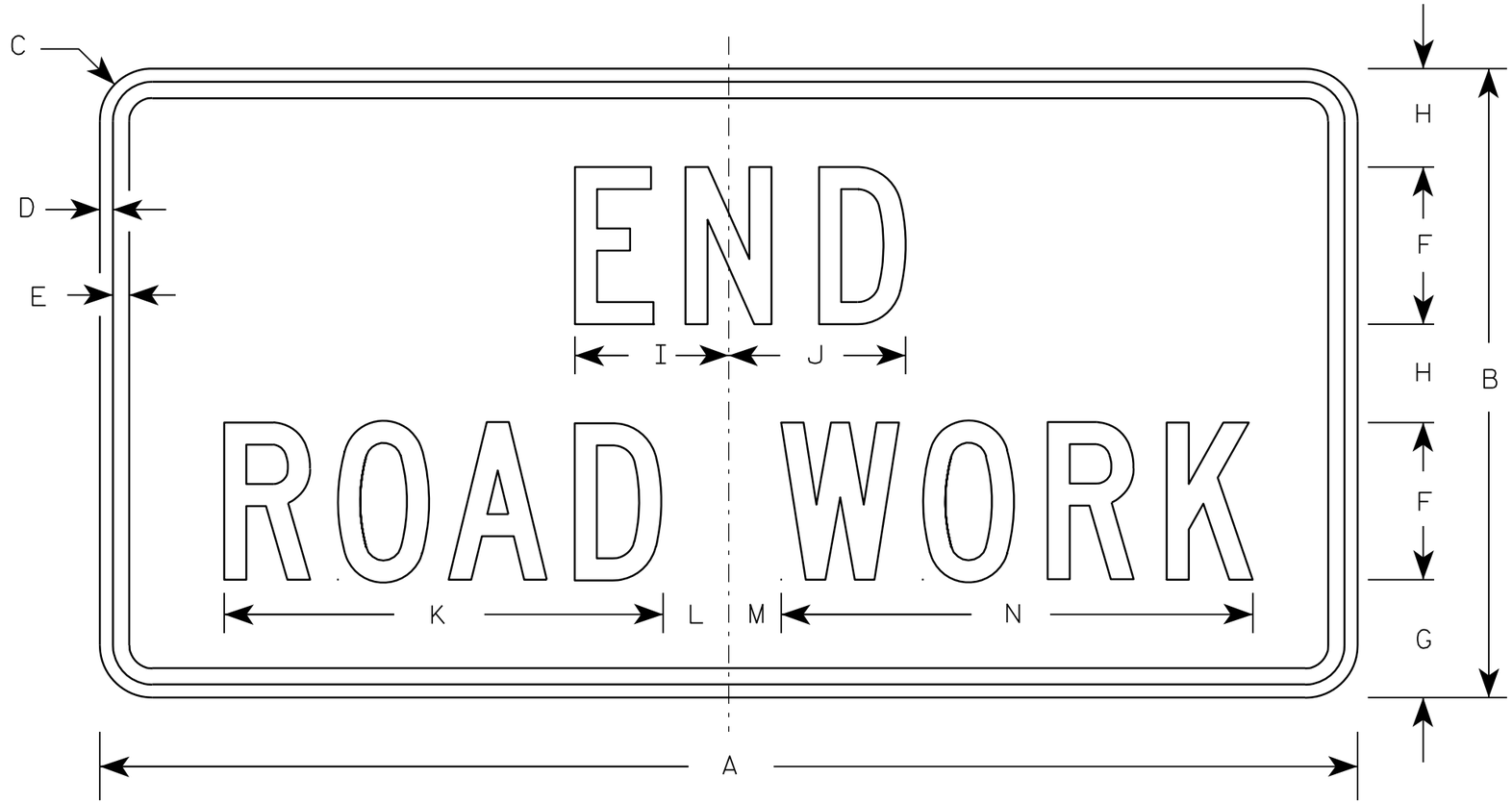
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 393	E



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

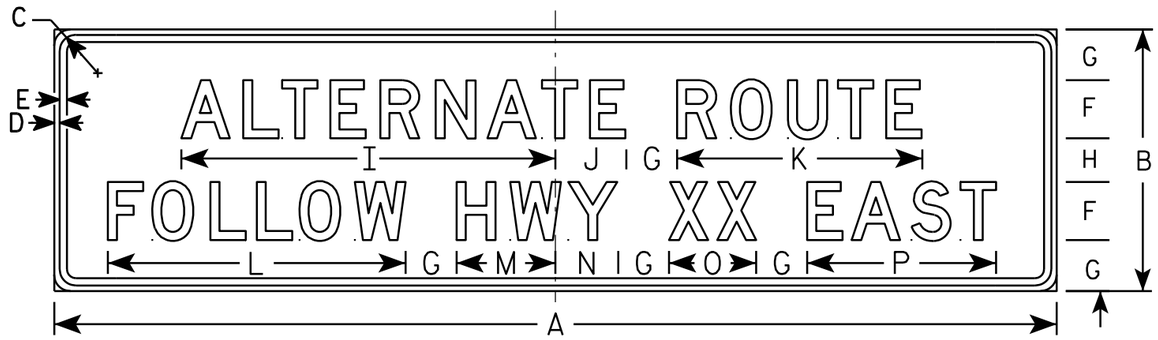
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

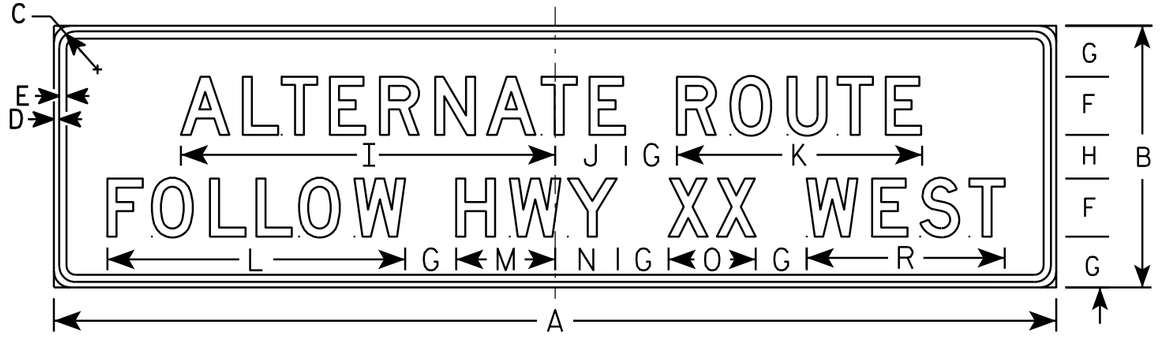
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 394	E



G20-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-52A

Metric equivalent for this sign is:

SIZE	
1	
2	
3	
4	3450 mm X 900 mm
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																												
3																												
4	138	36	2 1/4	3/4	1	8	7	6	51 1/2	9 3/4	33 3/4	41	13 5/8	8 5/8	12	26		27 1/4									34.5	3.11
5																												

STANDARD SIGN
G20-52

WISCONSIN DEPT OF TRANSPORTATION

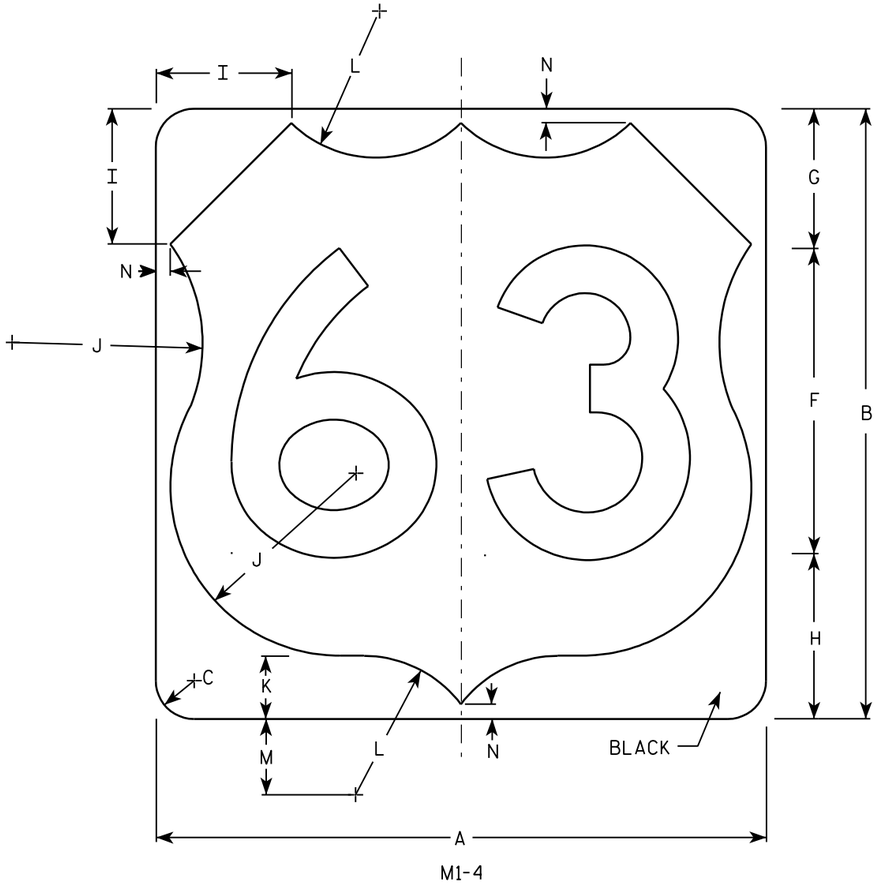
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-52.2

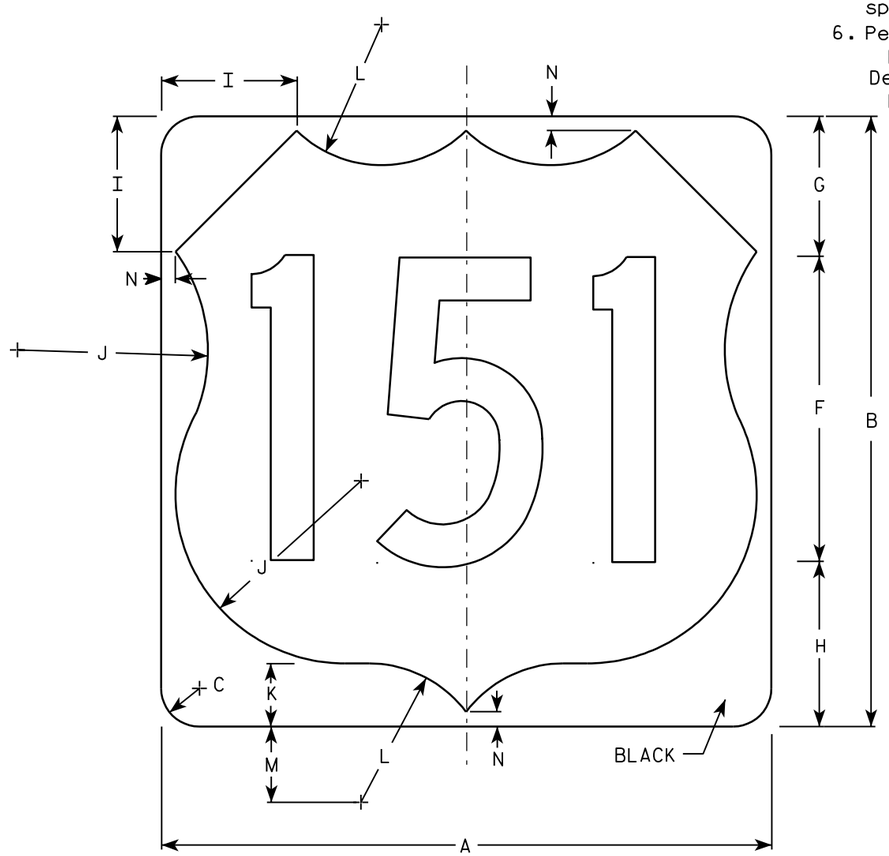
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 395	E

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   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. Substitute appropriate numerals and adjust spacing as per Plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary signs
   Background - Reflective



M1-4



M1-4

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

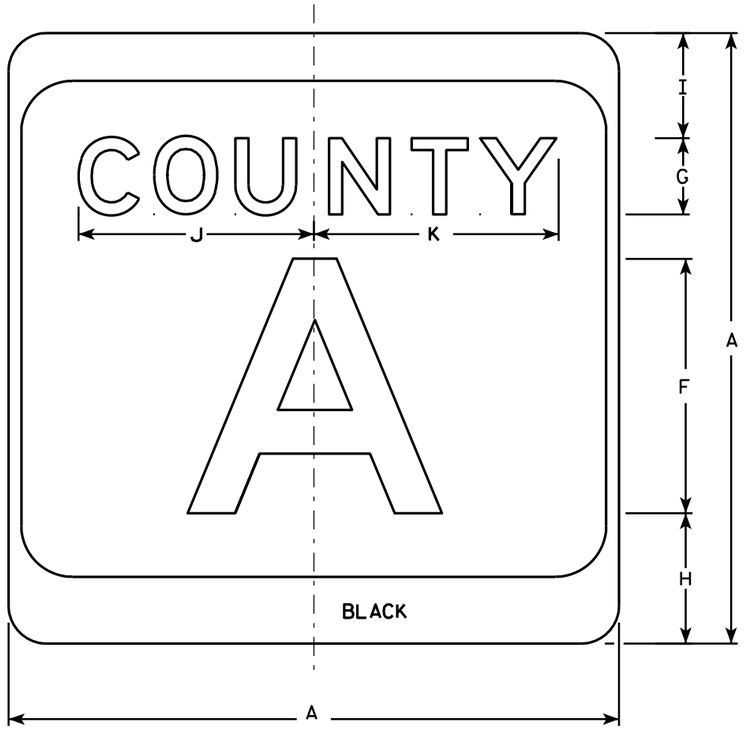
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

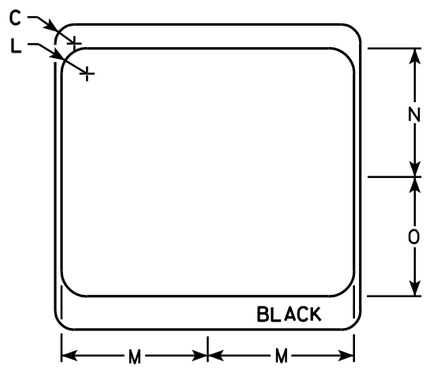
APPROVED Matthew R Rauch
for State Traffic Engineer

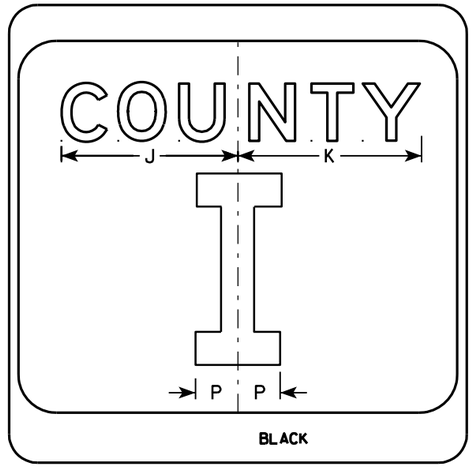
DATE 08/25/05 PLATE NO. M1-4.9

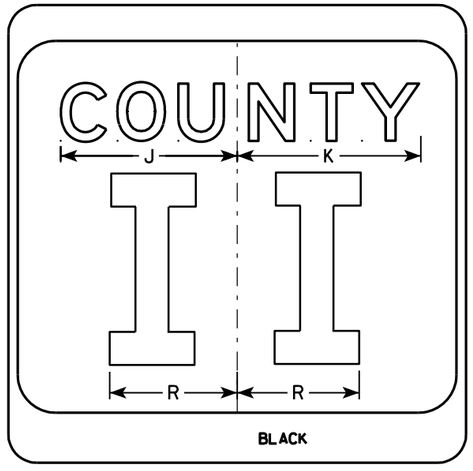
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 396 | E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

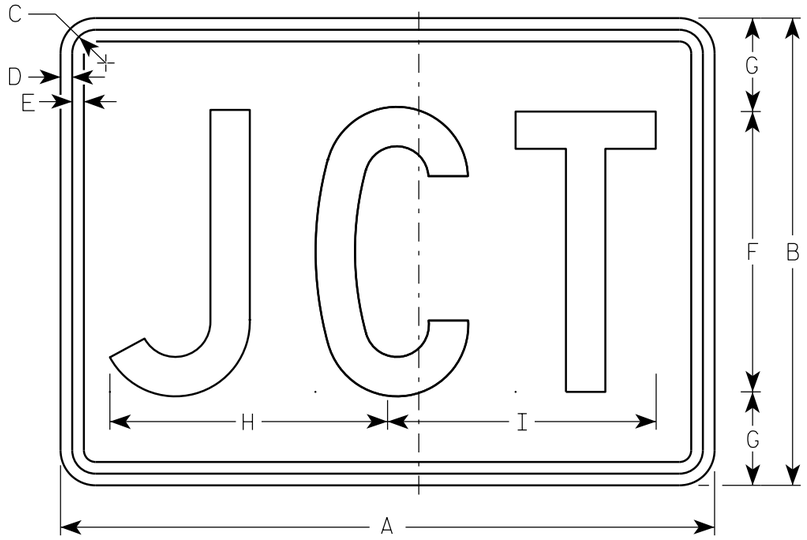
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

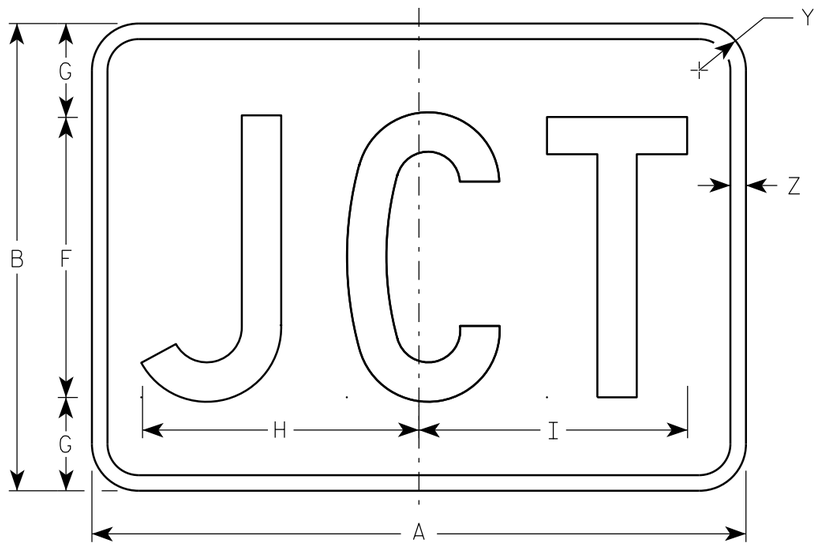
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 397 | E



M2-1
MK2-1
MM2-1
MN2-1
MR2-1



MB2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

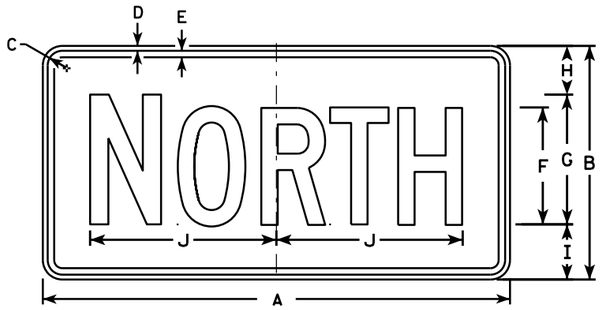
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

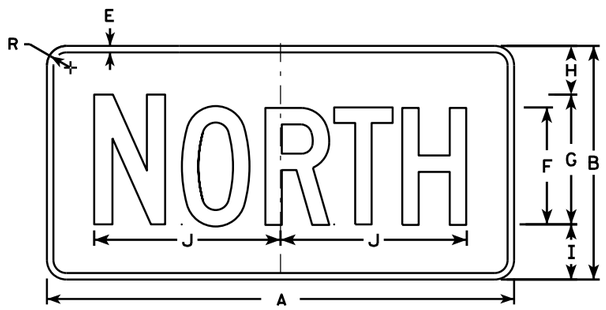
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/30/14 PLATE 398 12-1.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M3-1
MK3-1
MM3-1
MN3-1



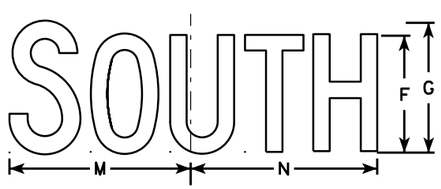
MB3-1



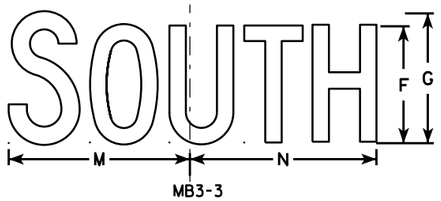
M3-2
MK3-2
MM3-2
MN3-2



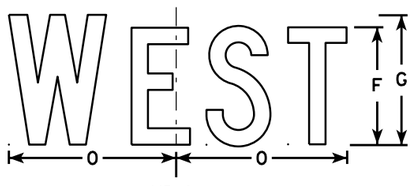
MB3-2



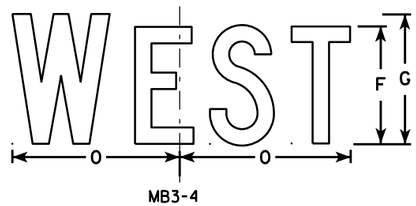
M3-3
MK3-3
MM3-3
MN3-3



MB3-3



M3-4
MK3-4
MM3-4
MN3-4



MB3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

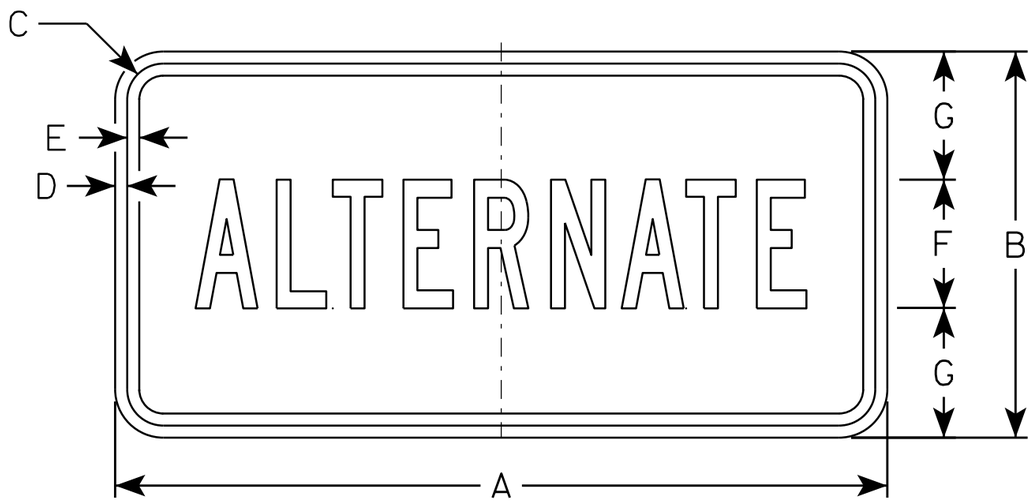
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

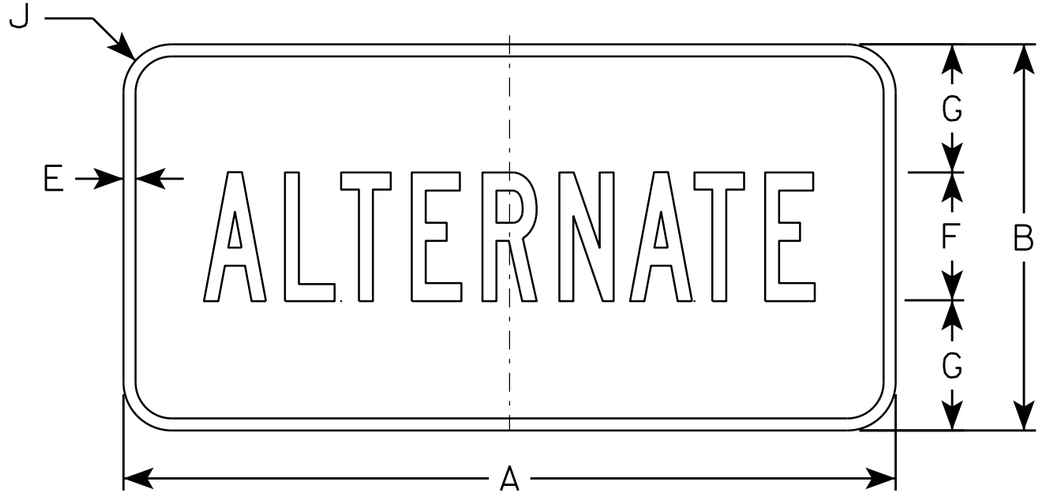
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/30/14 PLATE NO M3-1.13

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



M4-1
M04-1



MB4-1

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   M04-1 Background - Orange - Type F
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	4	4	9 3/4	9 1/2	1 1/2																	2.00
3	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
4	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
5	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5

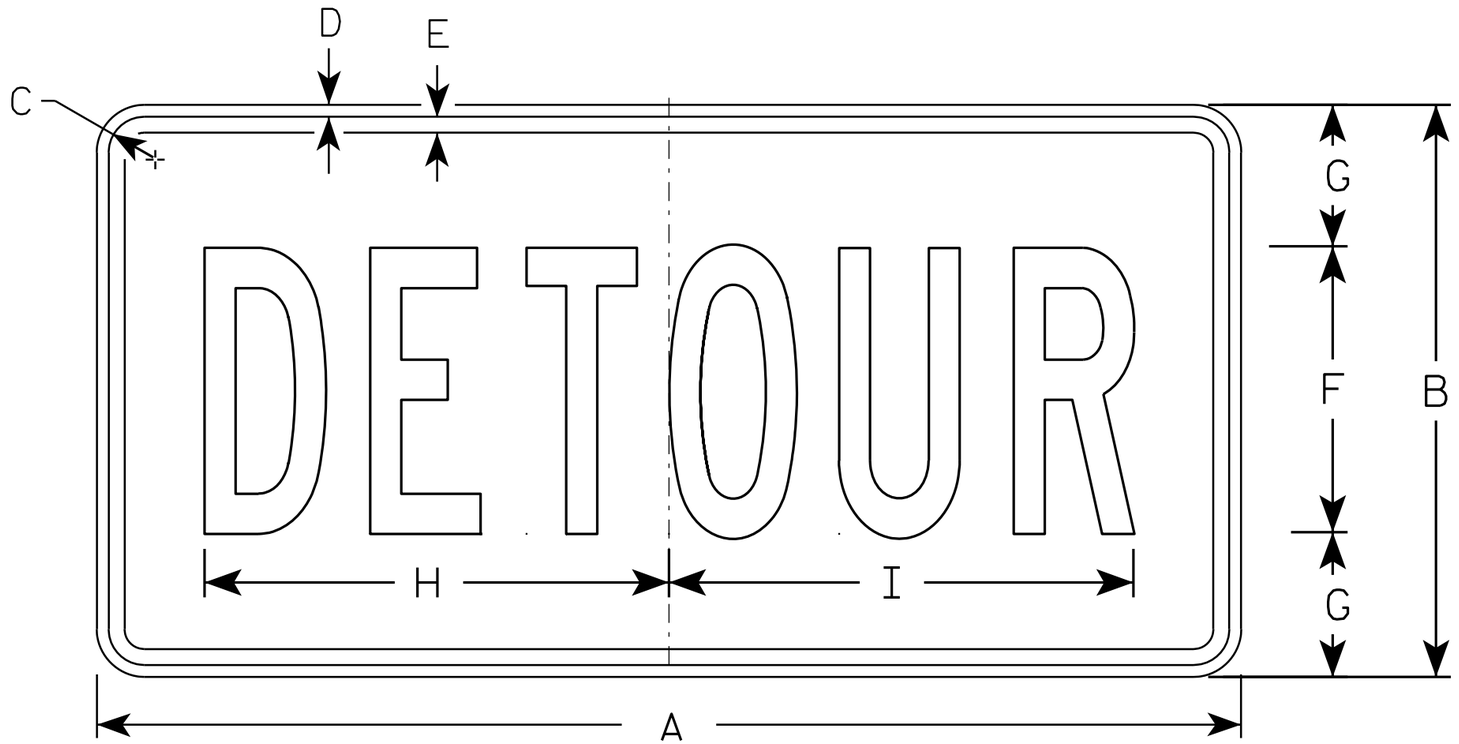
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 400 14-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

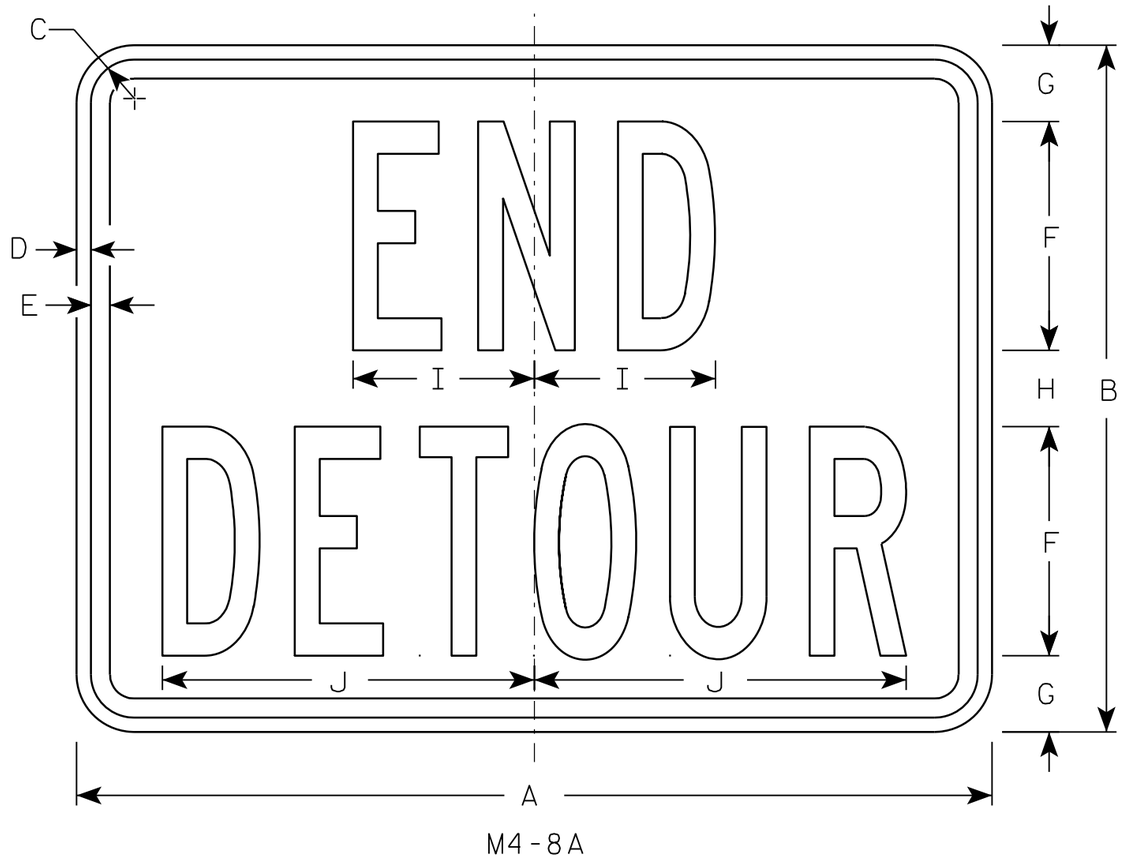
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 401	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

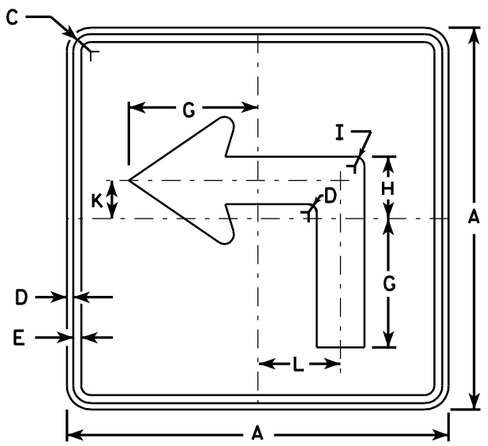
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

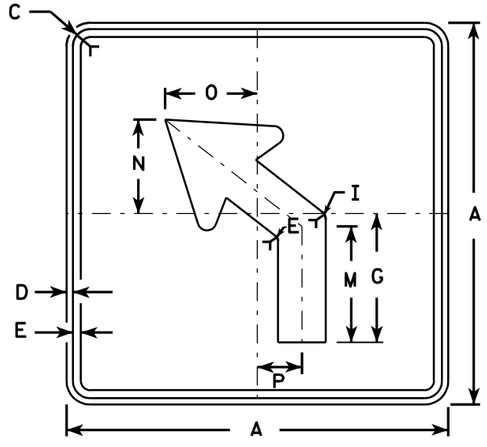
APPROVED Matthew R Rauch
for State Traffic Engineer

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

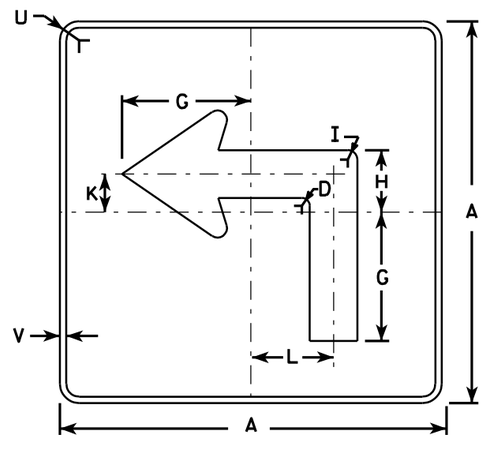
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 402	E



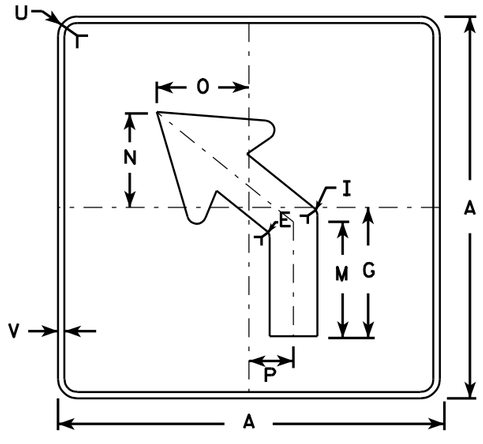
M5-1L
MK5-1L
MM5-1L
MO5-1L
MP5-1L
MR5-1L



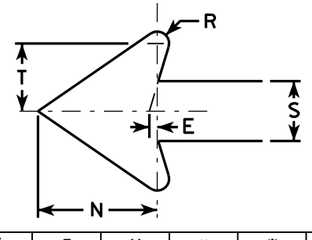
M5-2L
MK5-2L
MM5-2L
MO5-2L
MP5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White - Type H Reflective
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White - Type H Reflective
   MG5-1 and MG5-2 Background - Green
   Message - White - Type H Reflective
   MK5-1 and MK5-2 Background - Green
   Message - White Type H Reflective
   MM5-1 and MM5-2 Background - White - Type H Reflective
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White - Type H Reflective
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

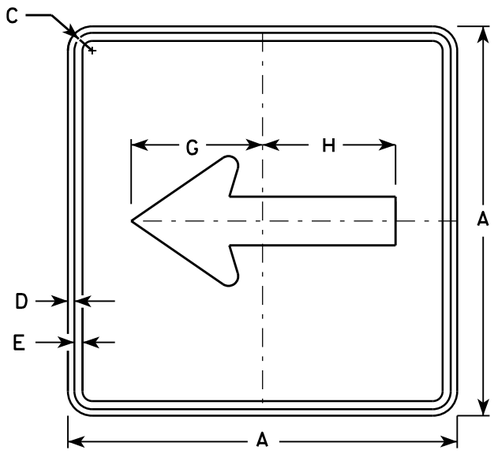
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

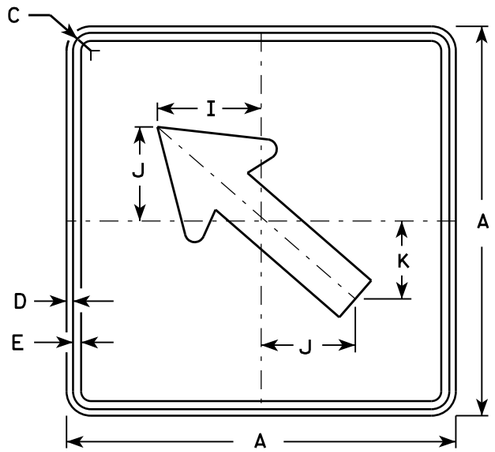
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M5-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 403	E



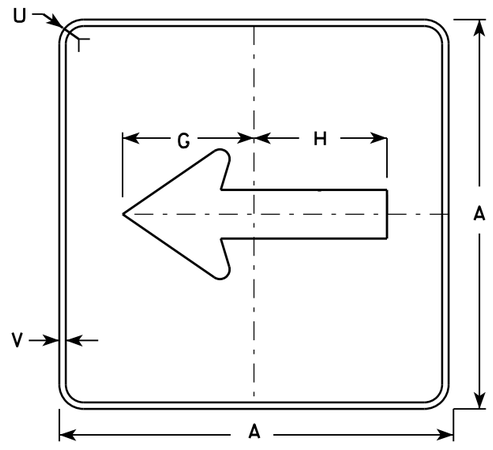
M6-1
MK6-1
MM6-1
MN6-1
MO6-1
MP6-1
MR6-1



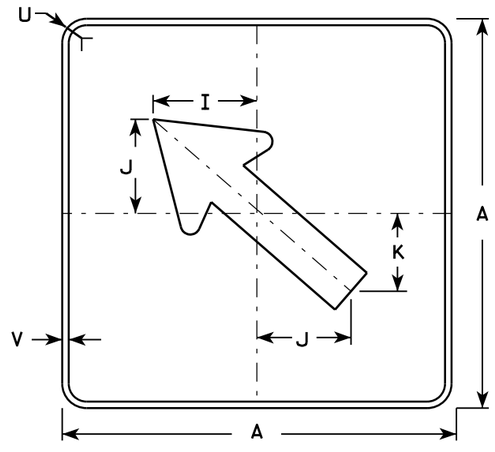
M6-2
MK6-2
MM6-2
MN6-2
MO6-2
MP6-2
MR6-2

NOTES

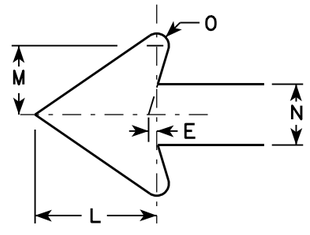
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MG6-1 and MG6-2 Background - Green
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1



MB6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

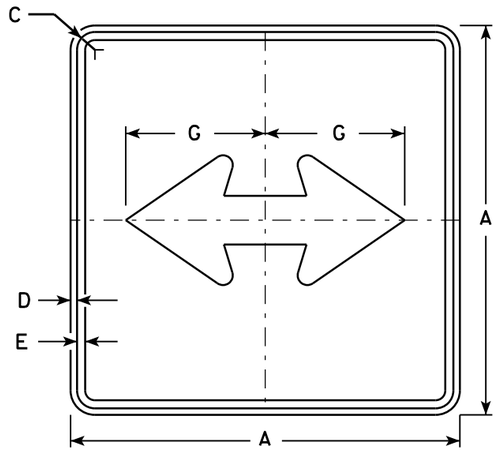
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

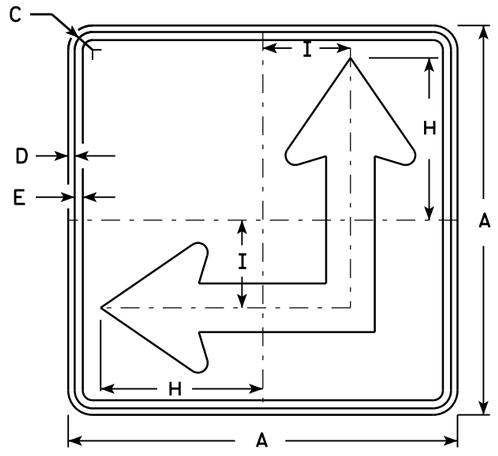
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/03/14 PLATE 404 M6-1.14

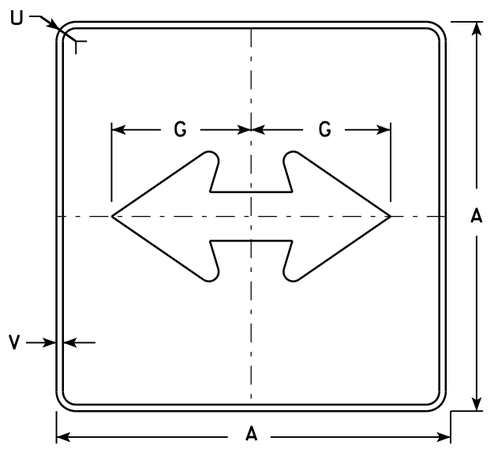
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



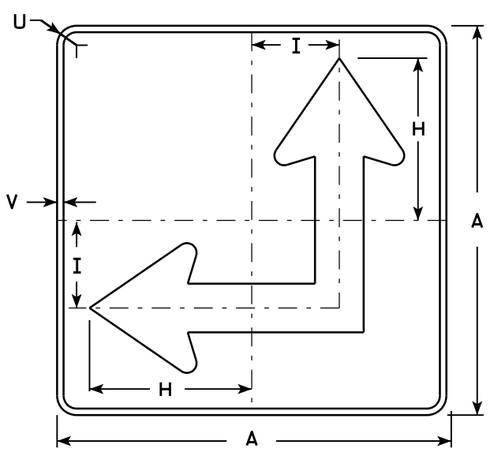
M6-4
MK6-4
MM6-4
MN6-4
MO6-4
MP6-4
MR6-4



M6-6
MK6-6
MM6-6
MN6-6
MO6-6
MP6-6
MR6-6



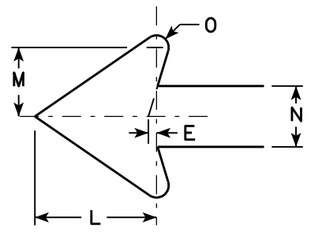
MB6-4



MB6-6

NOTES

1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN M6-4 & M6-6 SERIES

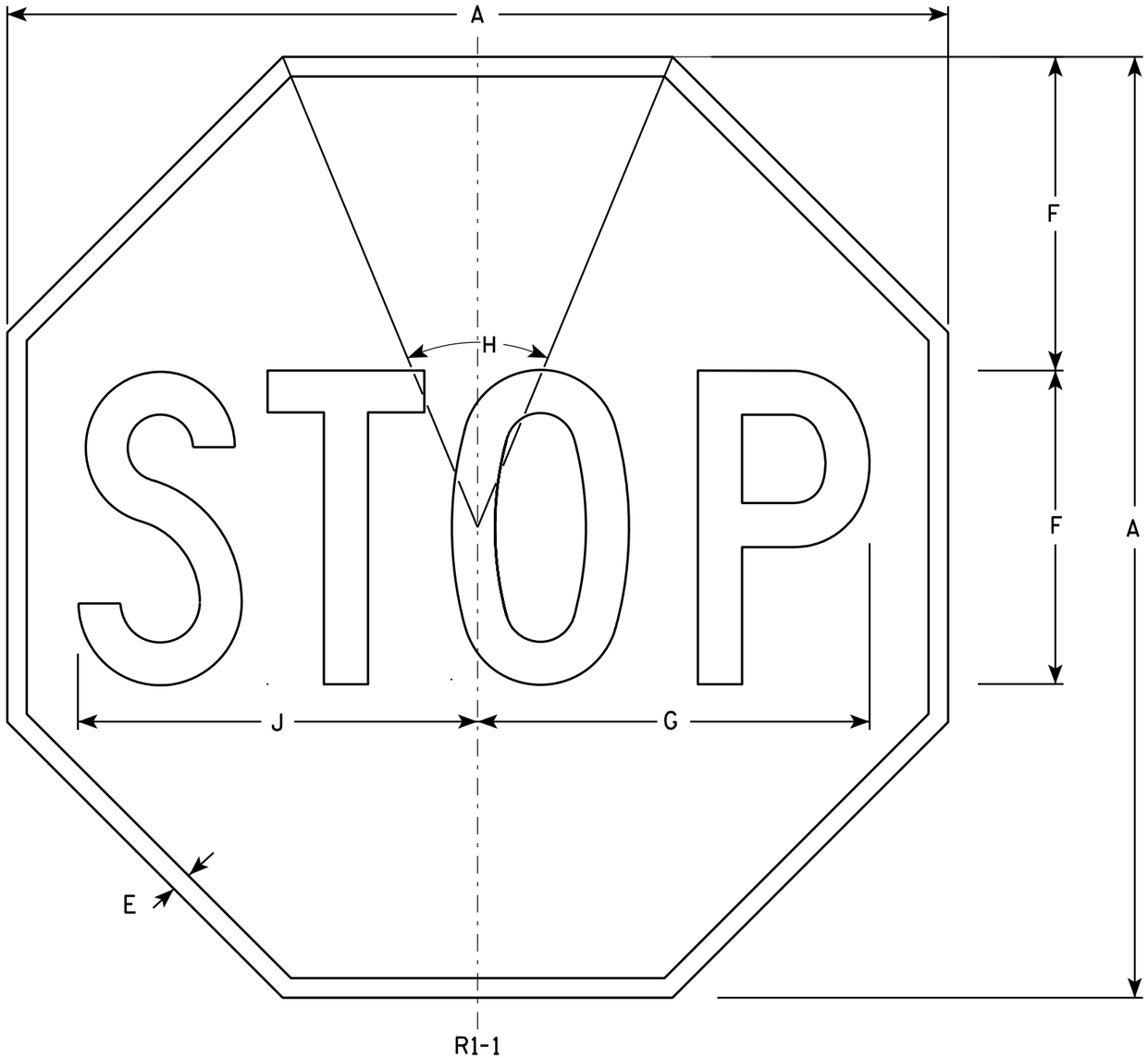
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 7/03/14 PLATE M6-4.9

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 03-JUL-2014 14:56 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 11.675051:1.000000 WISDOT/CADDS SHEET 42



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

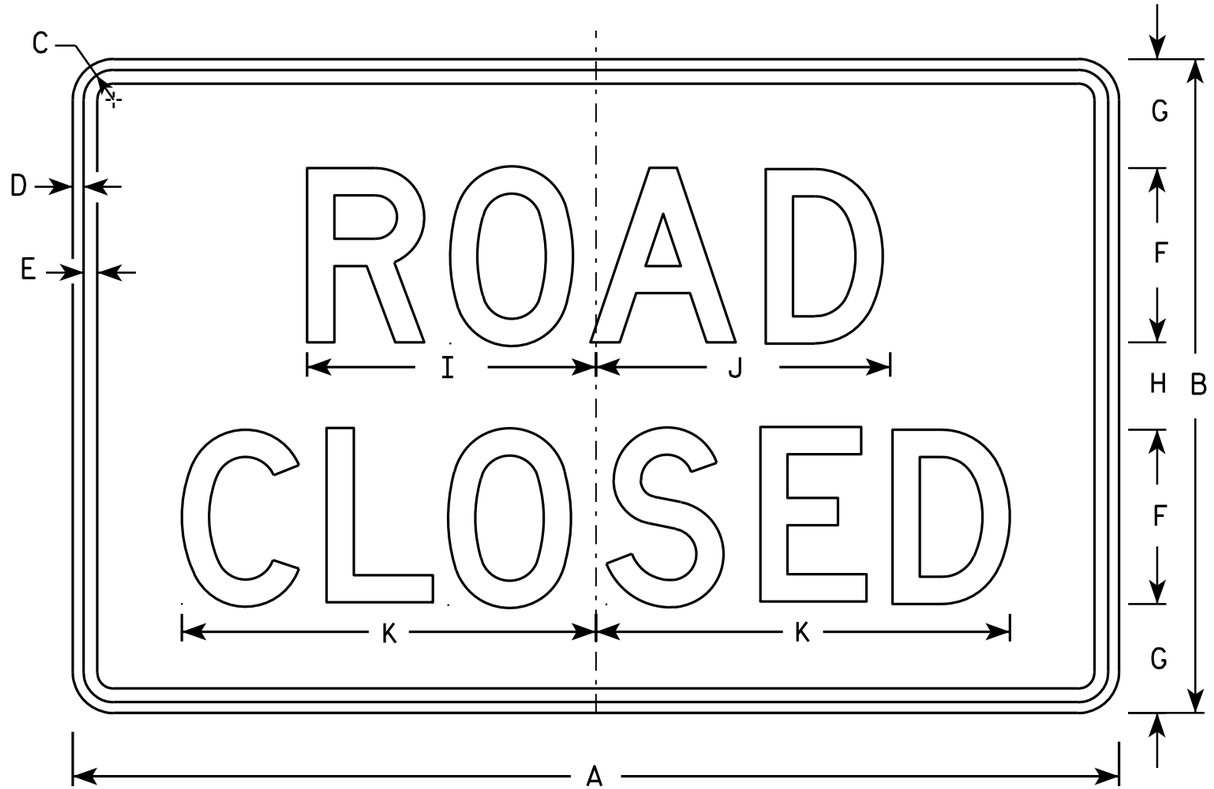
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

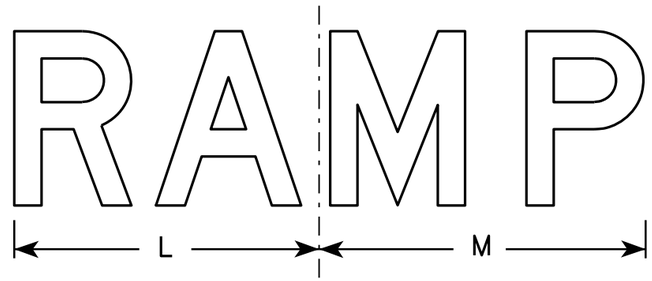
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 406	E



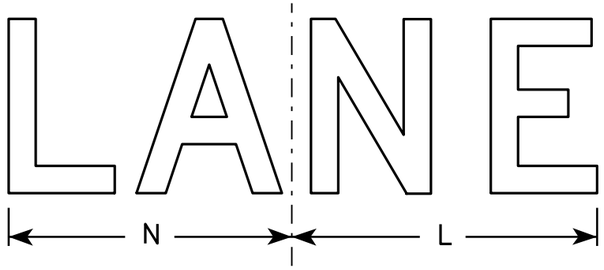
R11-2

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

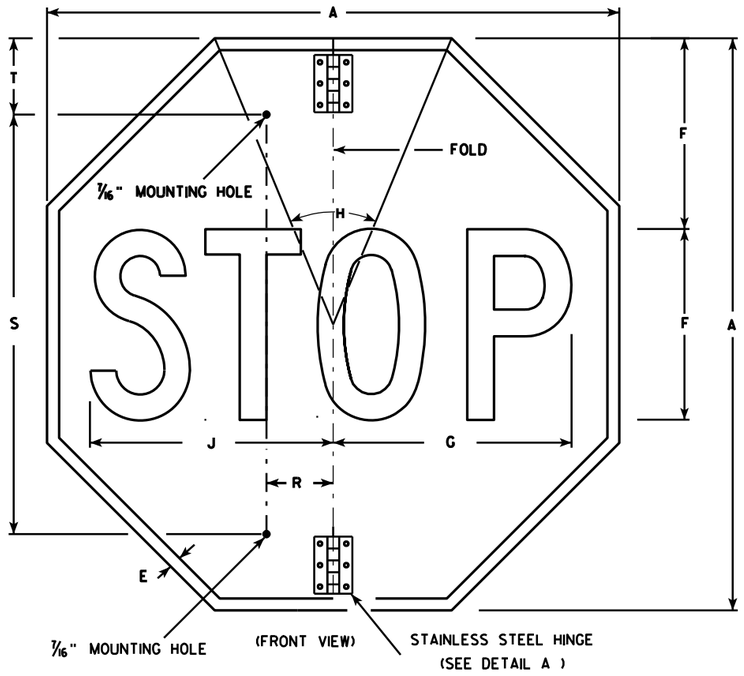
STANDARD SIGN
R11-2

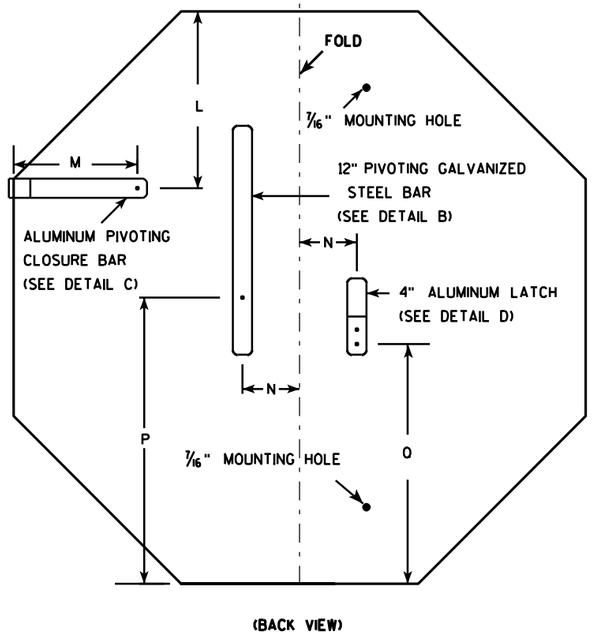
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

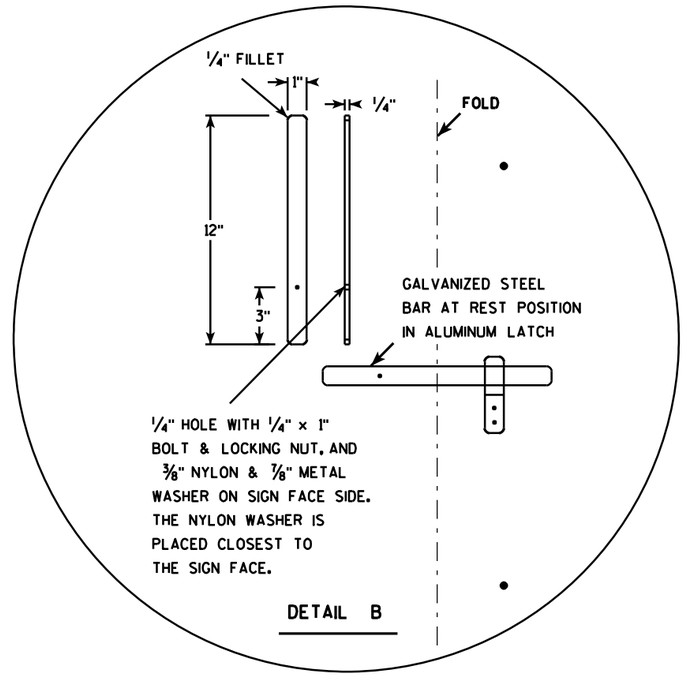
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 407	E

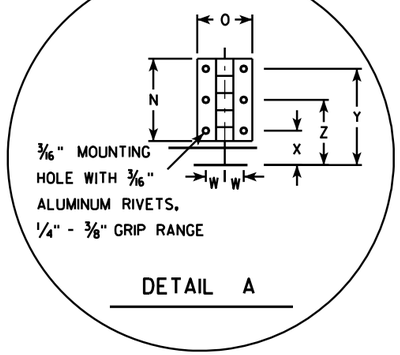


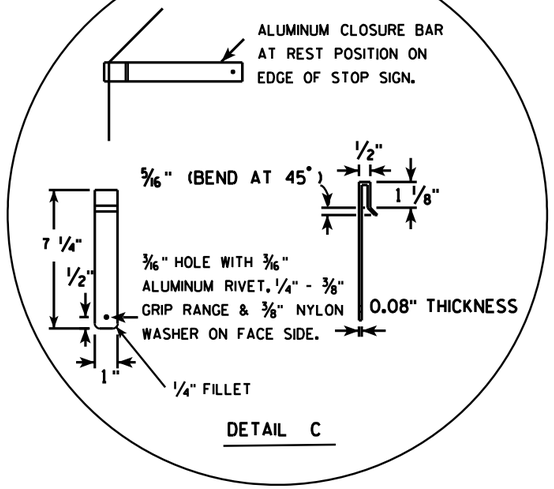


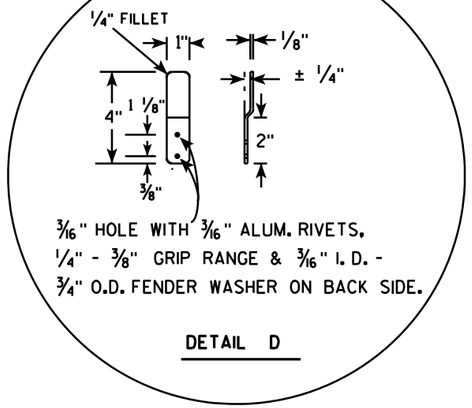
NOTES

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																											

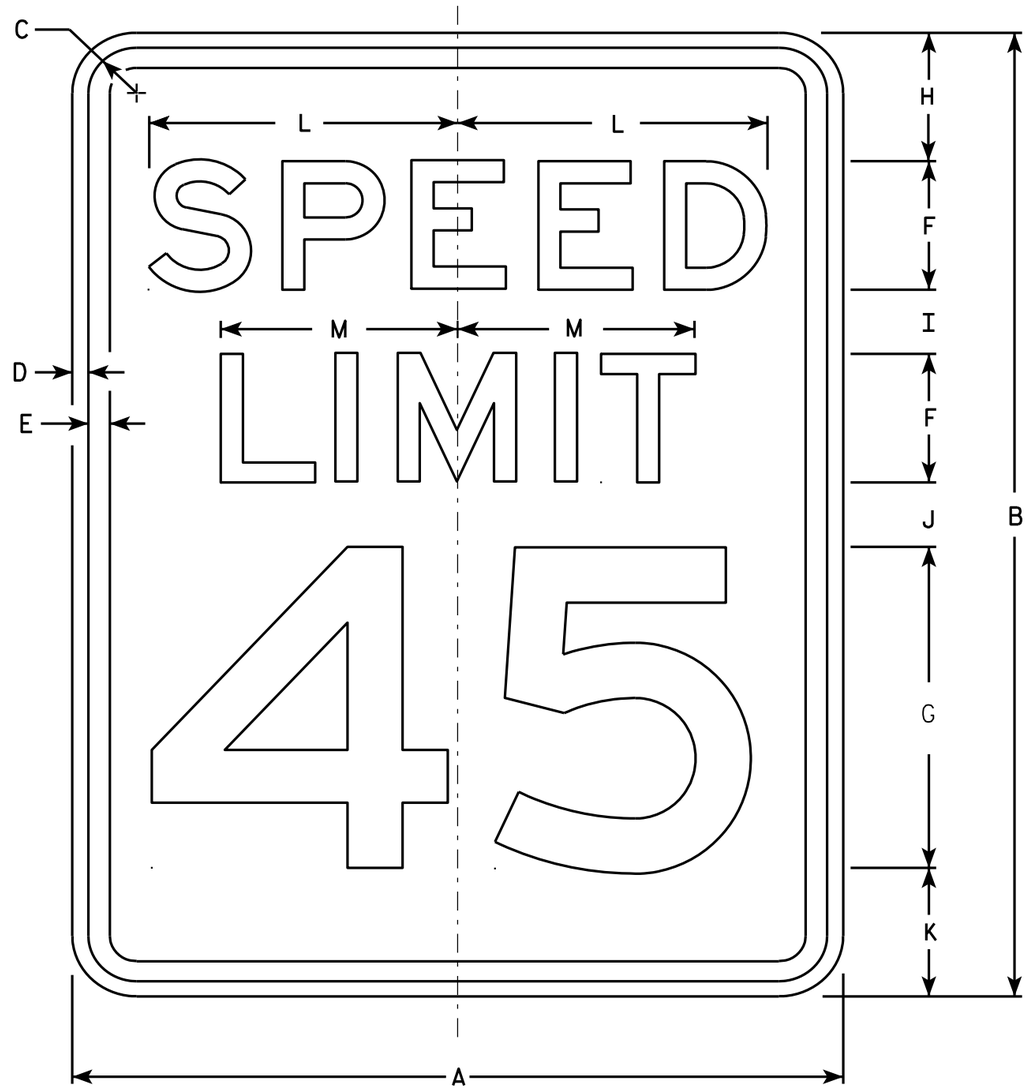
STANDARD SIGN
R1-1F

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: 408 | 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

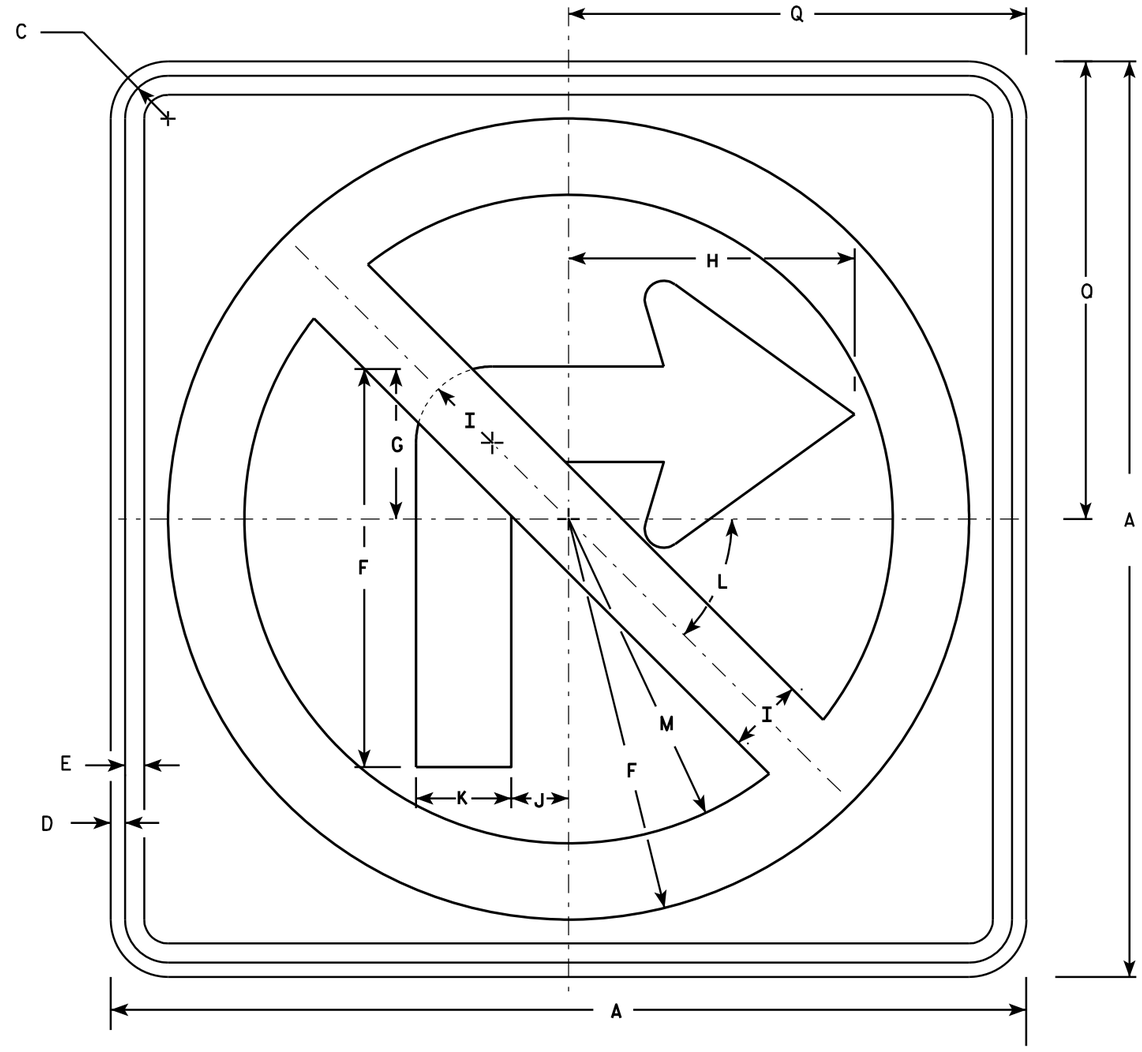
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

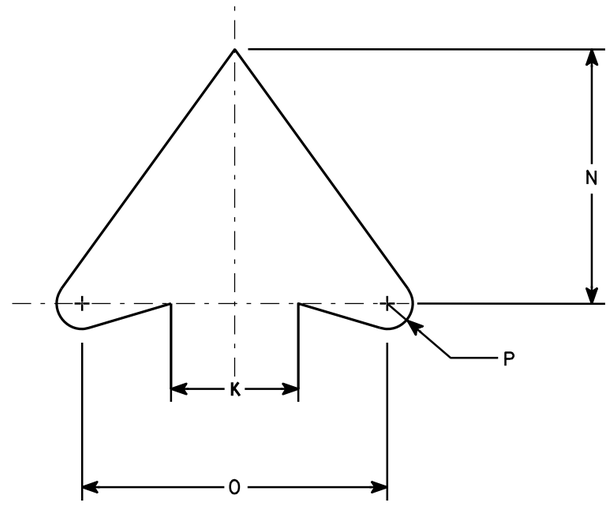
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 409	E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

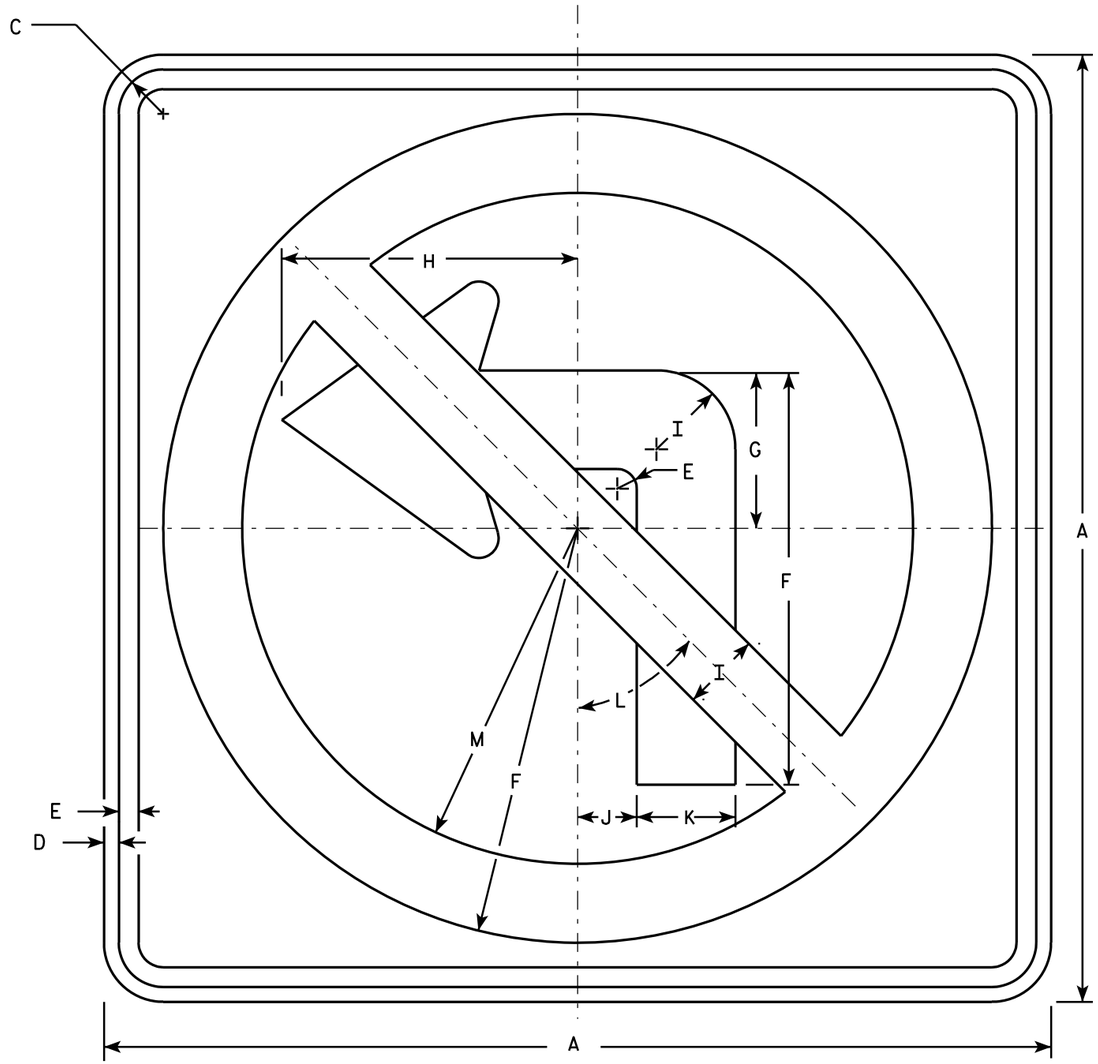
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

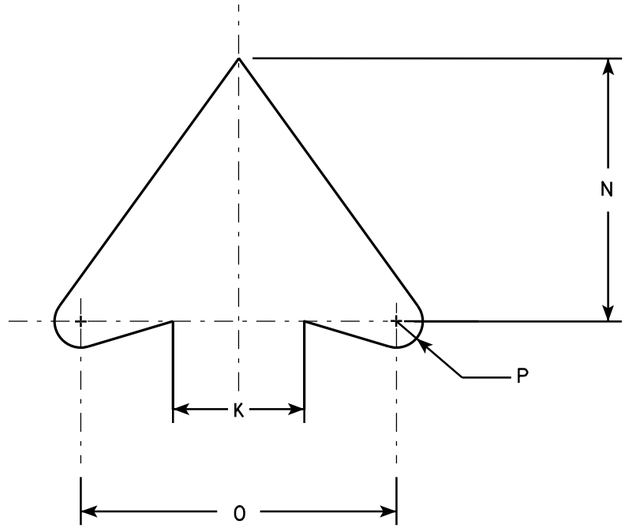
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 410	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

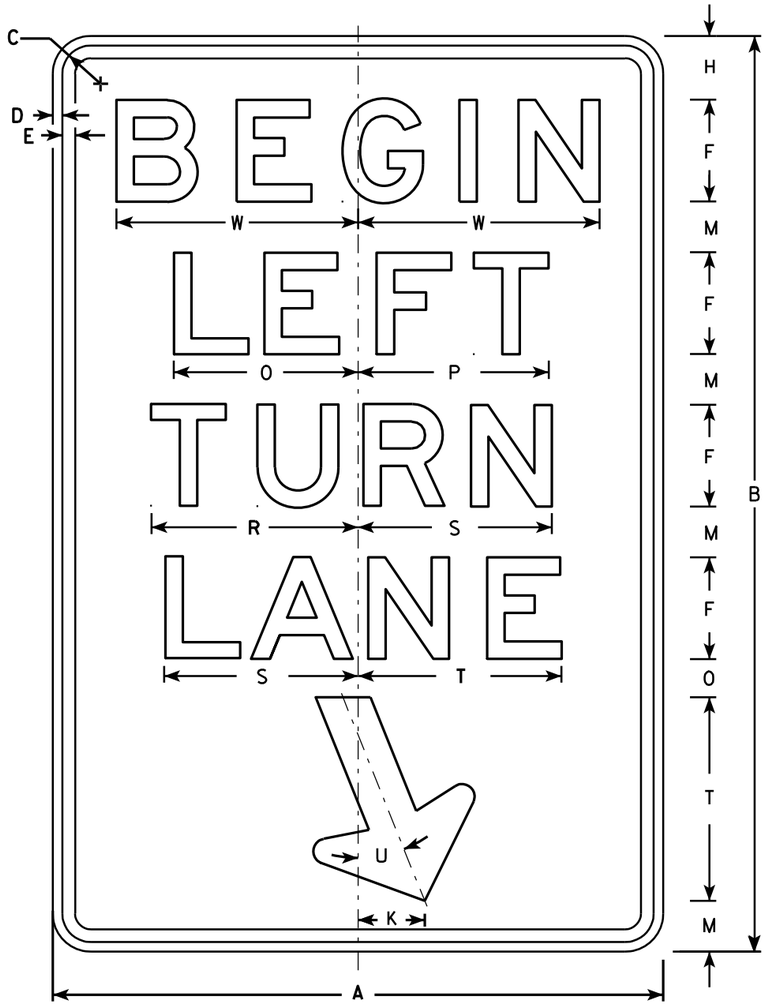
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

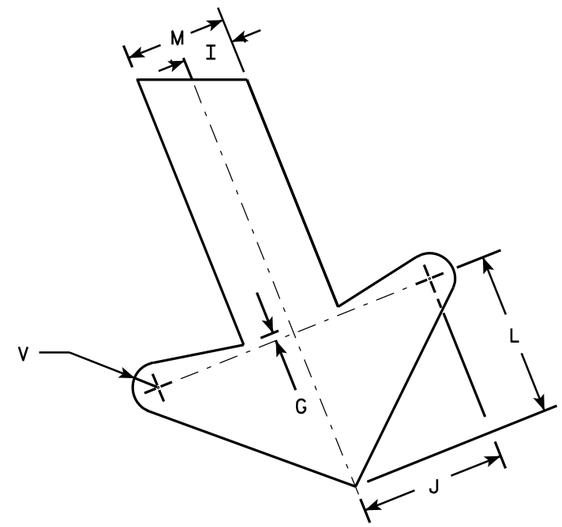
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 411	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

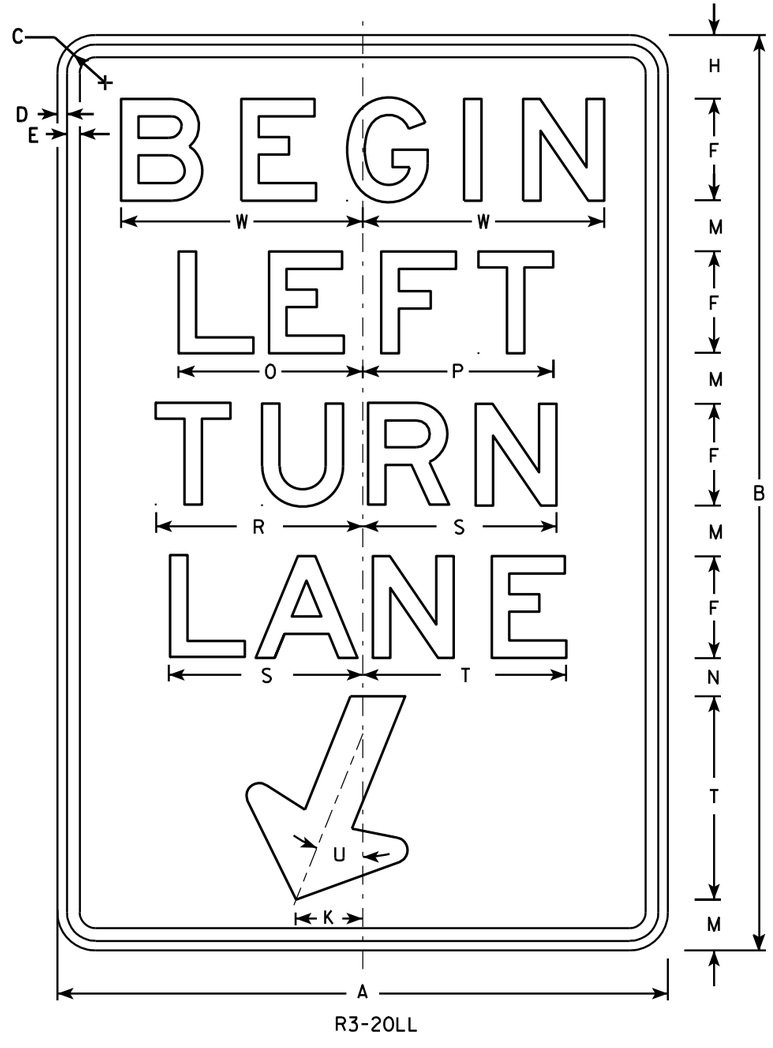
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

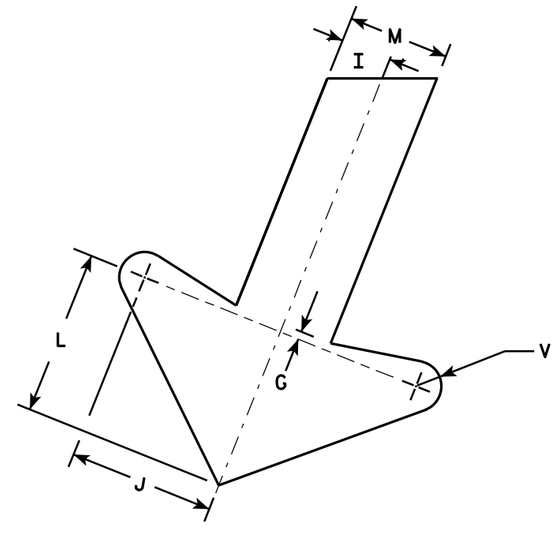
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 412 | E



R3-20LL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

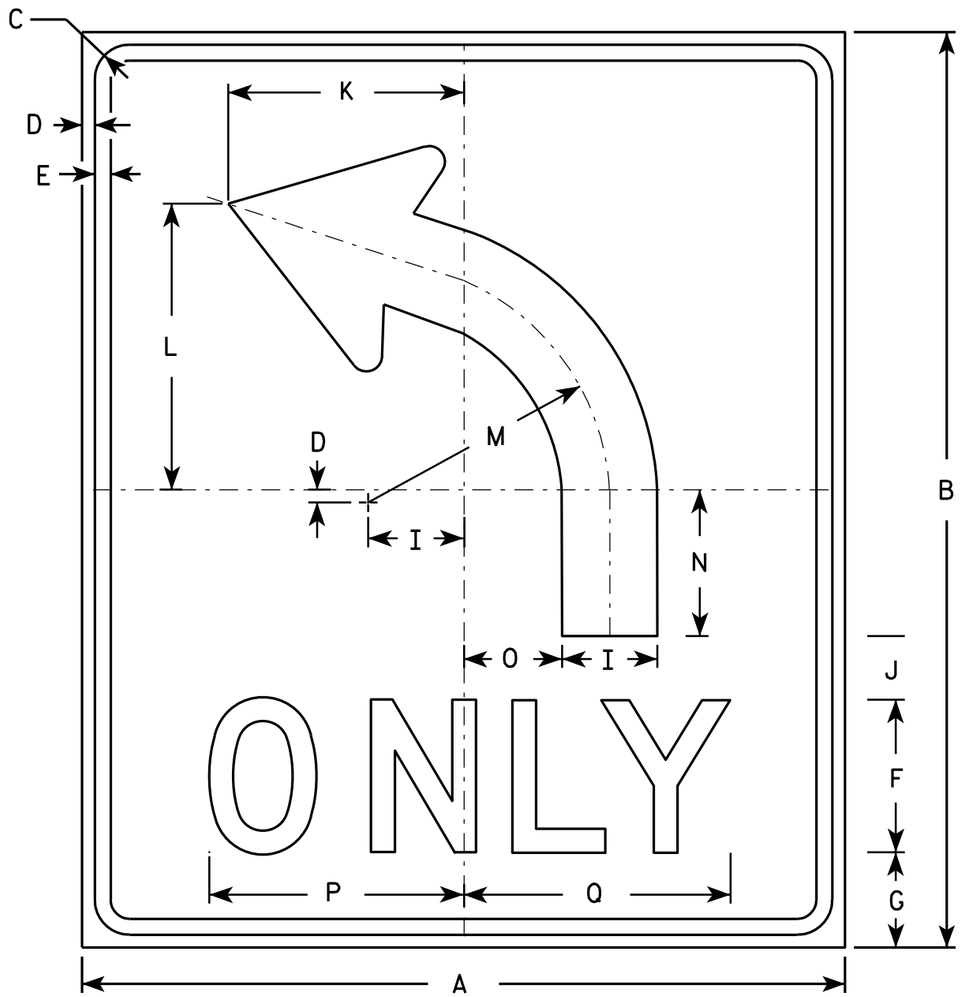
STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20LL.1

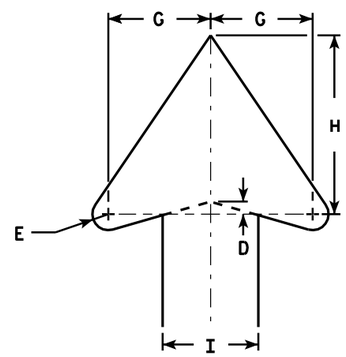
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 413	E



R3-50L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-50R is the same as R3-50L except curved portion of arrow points right.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

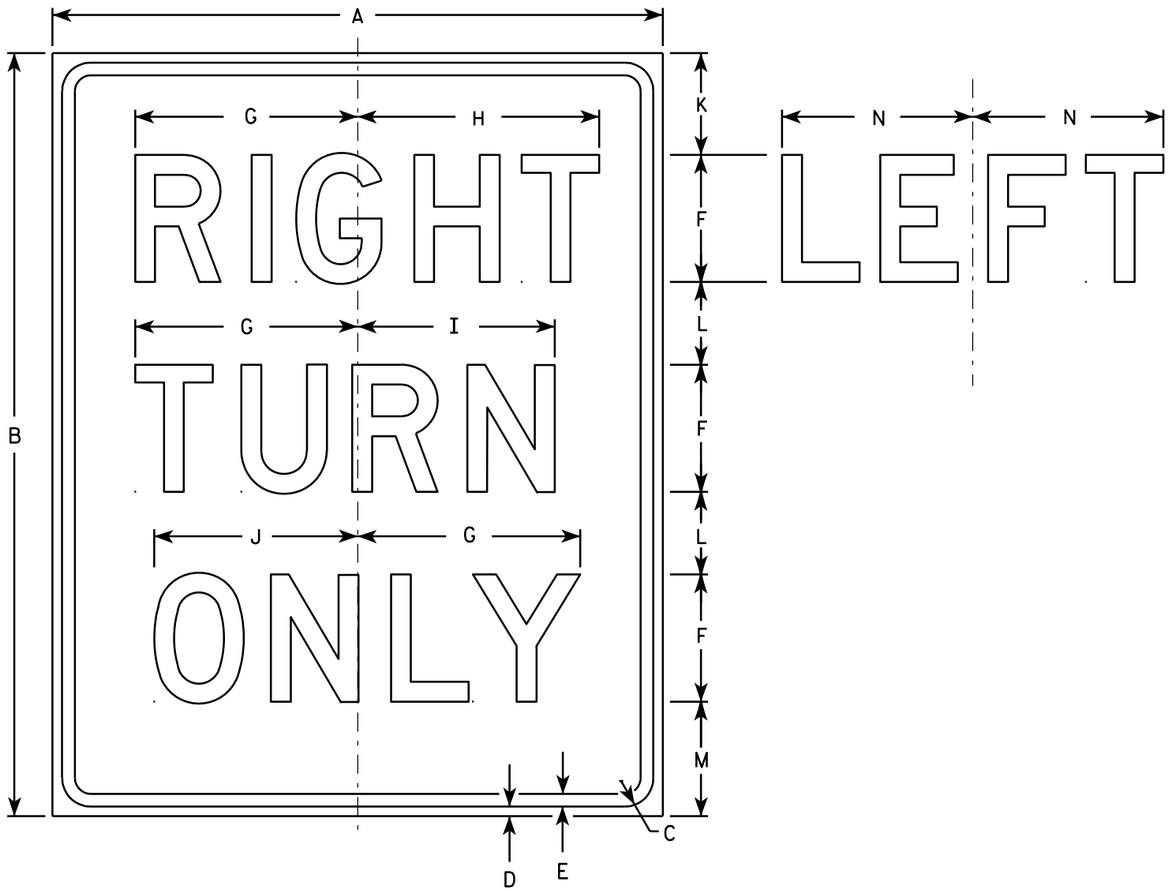
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 414 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R350.DGN PLOT DATE : 24-MAR-2011 13:40 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

7

7



R3-53R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-53L same as R3-53R except LEFT is substituted for RIGHT.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

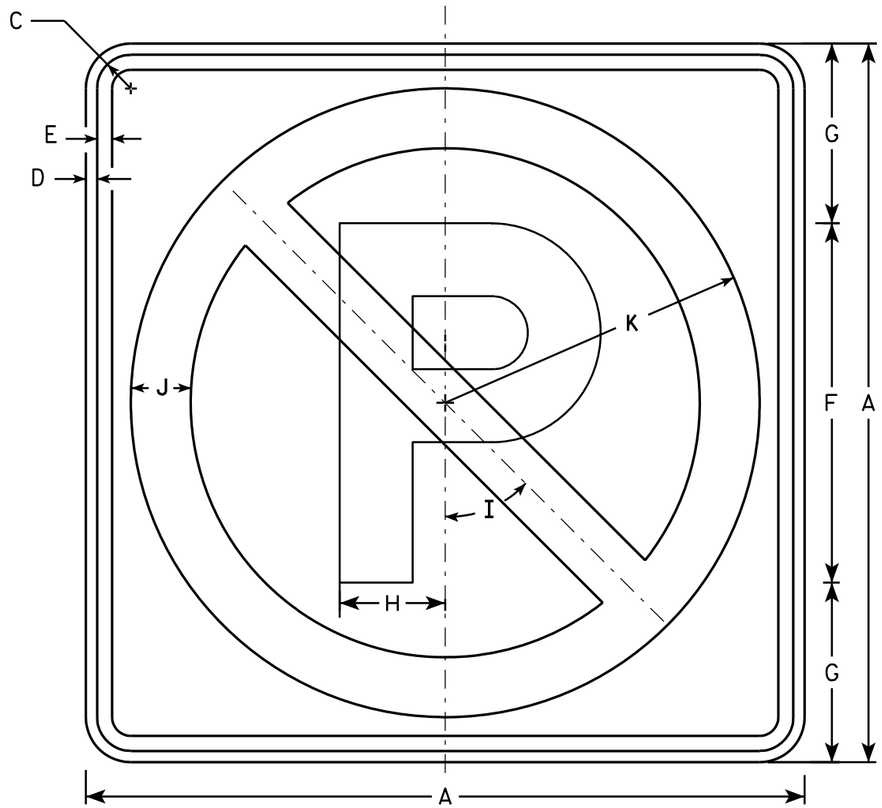
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 415 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R353.DGN PLOT DATE : 24-MAR-2011 14:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000
WISDOT/CADDS SHEET 42



R3-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Letter P are non reflective black, the circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	12	6	3 1/2	45°	2	10 1/2																4.0
2M	24		1 1/8	3/8	1/2	12	6	3 1/2	45°	2	10 1/2																4.0
3																											
4																											
5																											

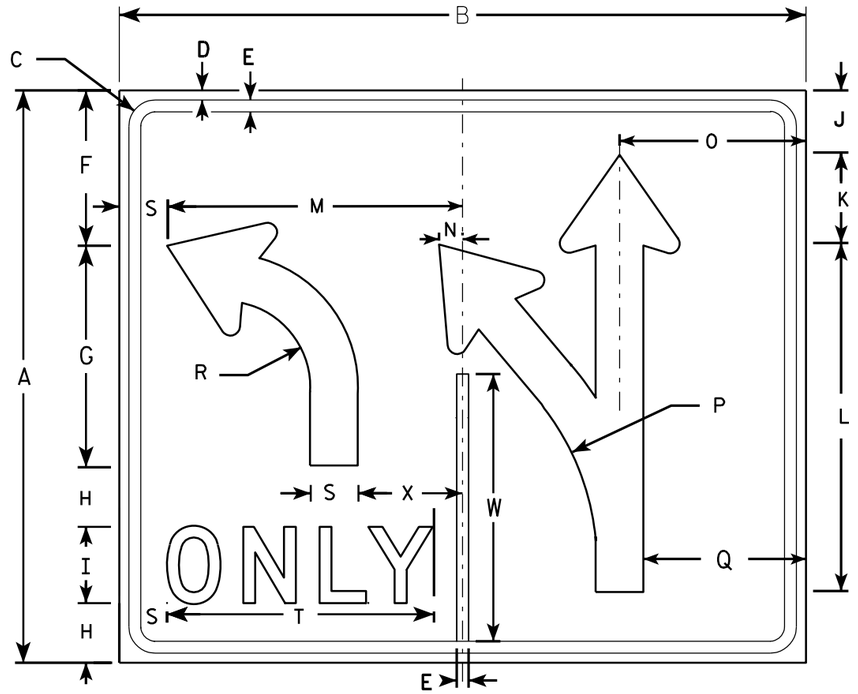
STANDARD SIGN
R3-8A

WISCONSIN DEPT OF TRANSPORTATION

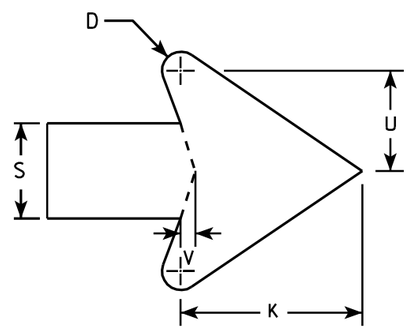
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/01/12 PLATE NO. R3-8A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 416 | E



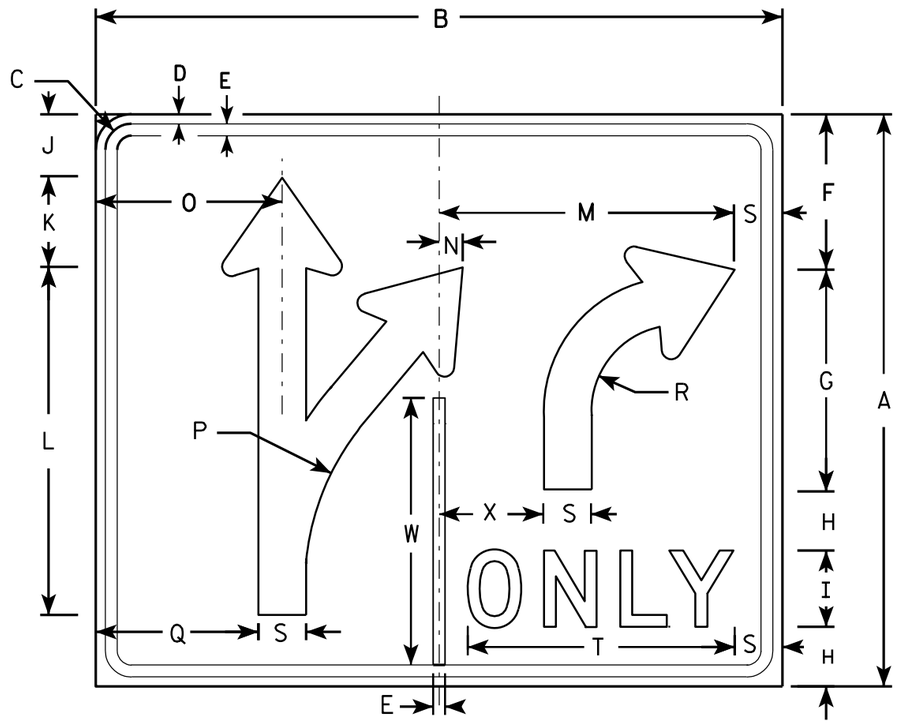
R3-8B



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-8B & R3-8C is the same but reversed.



R3-8C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	15 1/2	1 1/4	9 3/4	13 1/4	8 1/2	4 1/2	2 1/2	14	2 5/8	3/8	14	5 1/4			7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	15 1/2	1 1/4	9 3/4	13 1/4	8 1/2	4 1/2	2 1/2	14	2 5/8	3/8	14	5 1/4			7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 5/8	23 1/8	1 7/8	14 5/8	21 7/8	12 3/4	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	8 1/8			18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 5/8	23 1/8	1 7/8	14 5/8	21 7/8	12 3/4	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	8 1/8			18.0

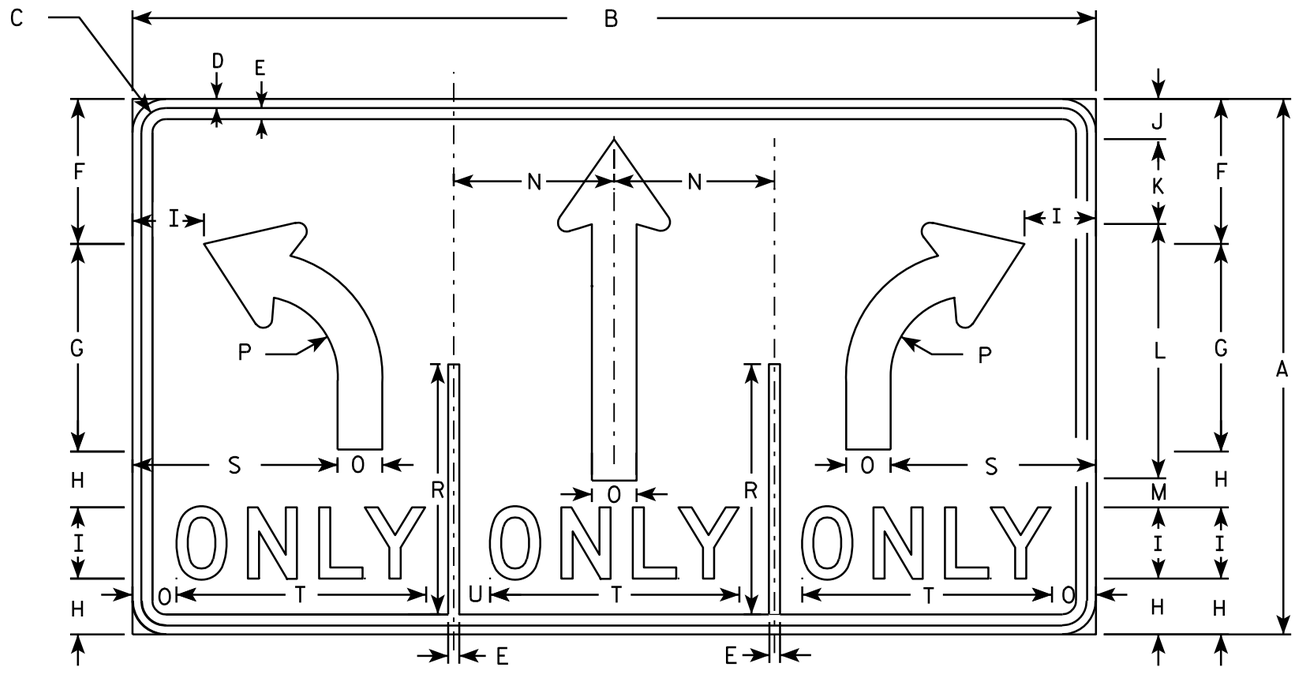
STANDARD SIGN
R3-8B & R3-8C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

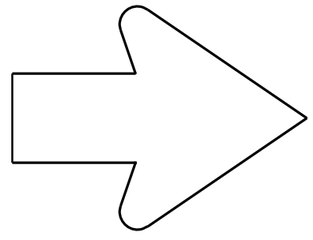
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 417	E



R3-8W

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.



SEE R3-8 FOR ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
2M	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
3																											
4	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 3/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0
5	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 7/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0

STANDARD SIGN
R3-8W

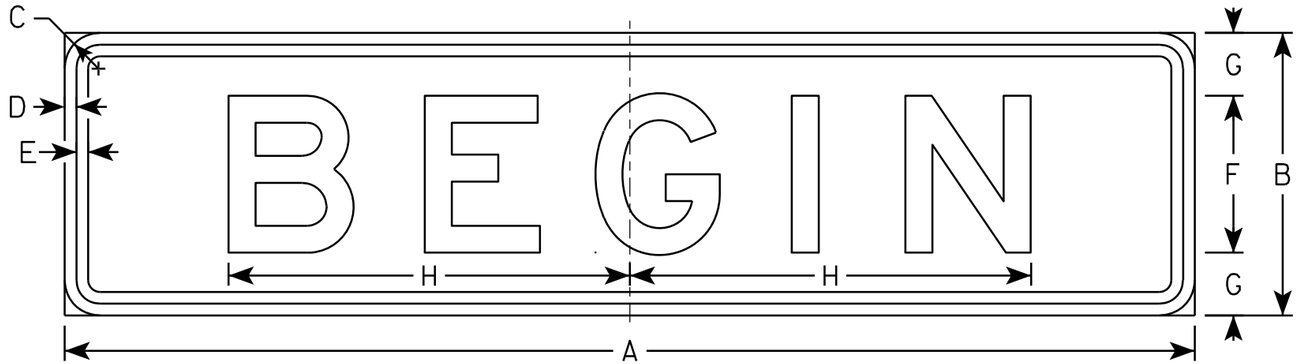
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

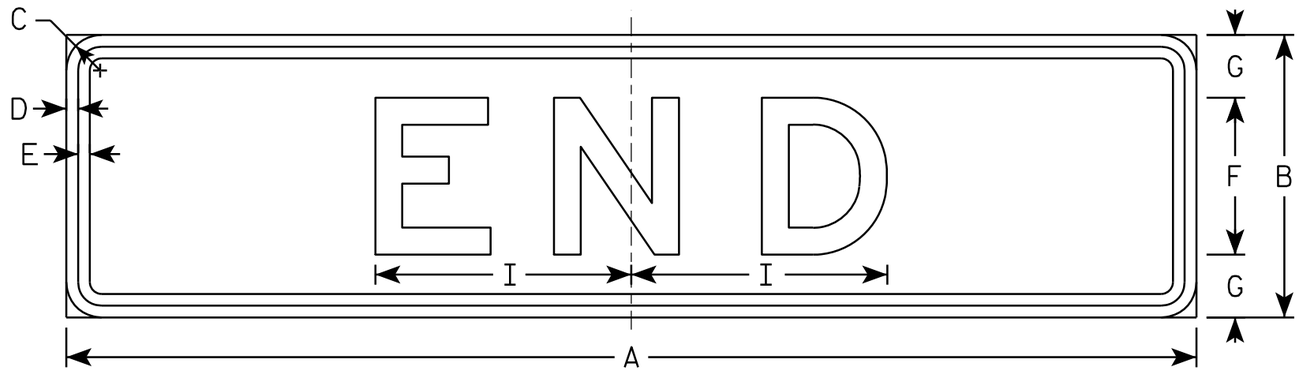
SHEET NO: 418 E



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																											

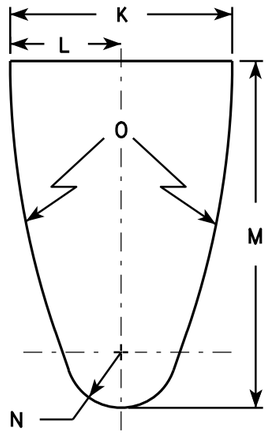
STANDARD SIGN
R3-9C & R3-9D

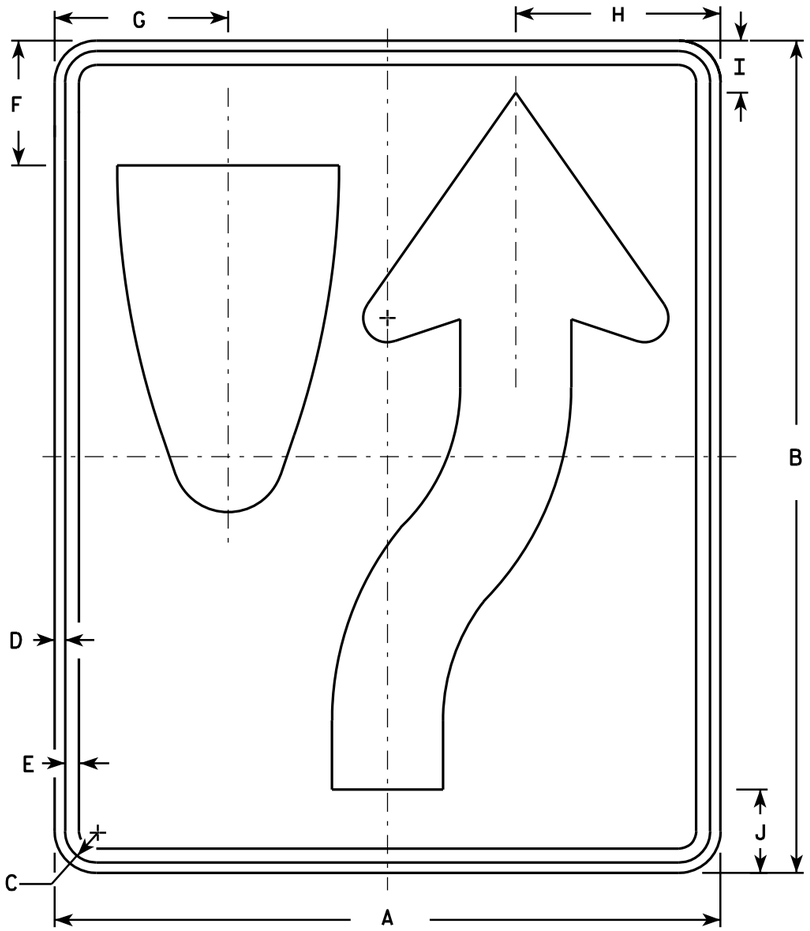
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9C.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 419	E

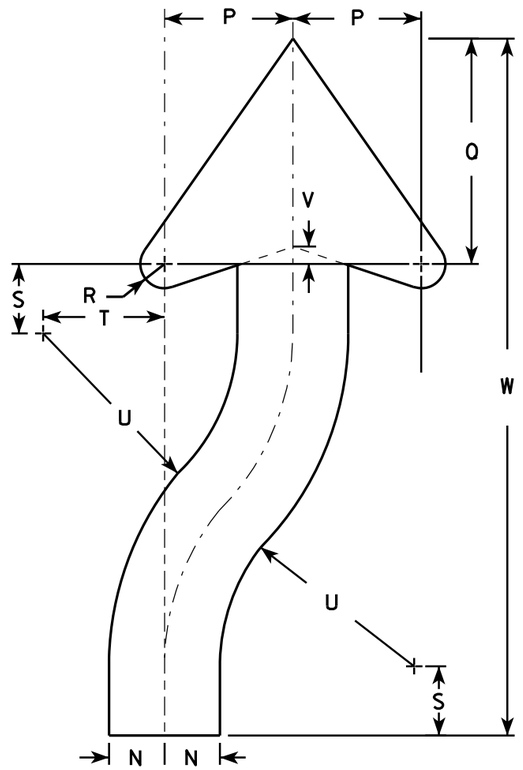




R4-7

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

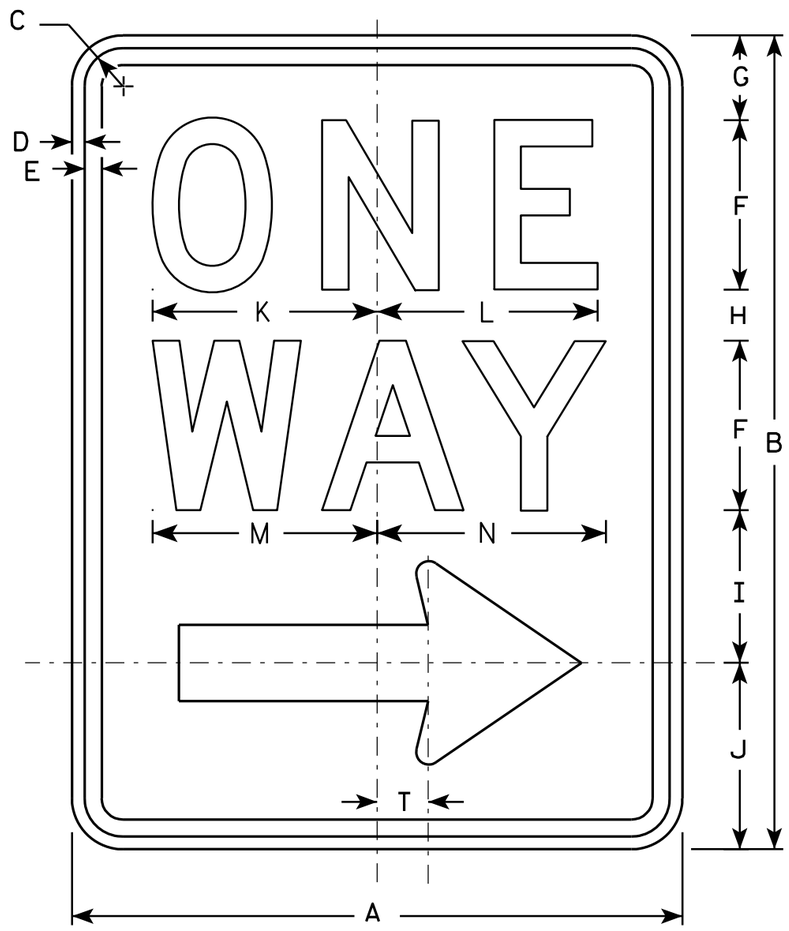
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

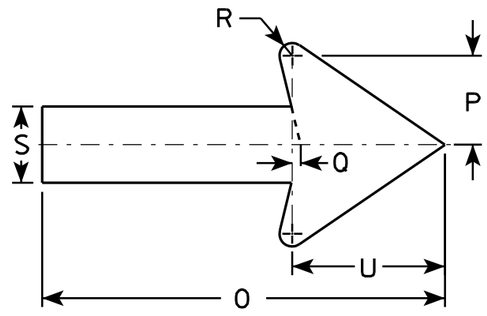
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 420	E



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	O	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																										

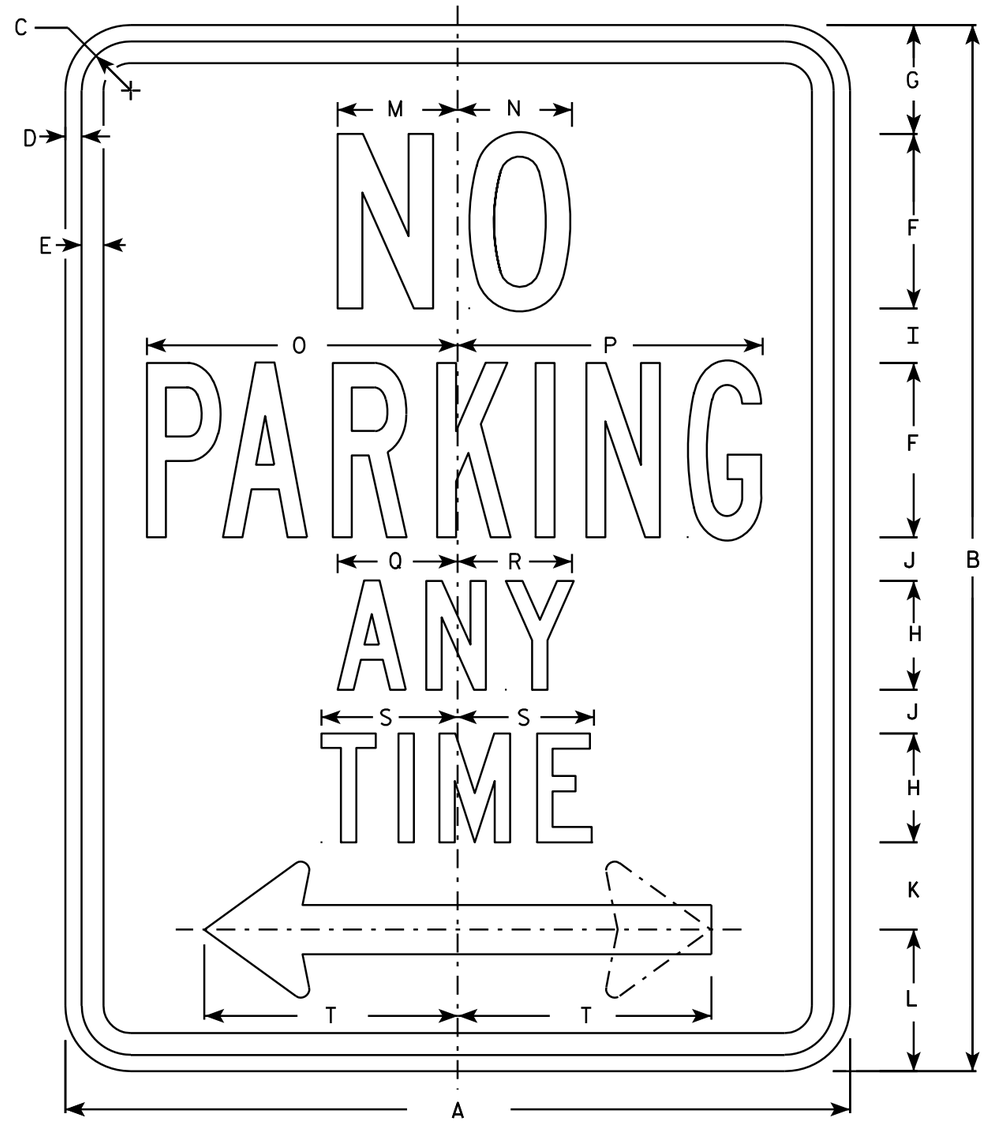
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

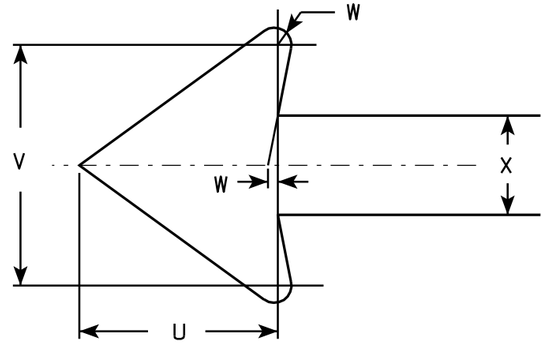
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 421	E



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

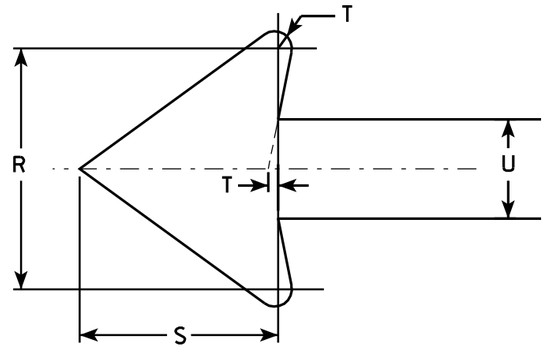
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 422	E



R7-5

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Green
3. Message Series - See Note 7
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 as required & adjust spacing to achieve proper balance.
6. R7-5D (double arrow)
   R7-5L (left arrow)
   R7-5R (right arrow)
7. Lines 1, 2 & 3 are series C Copy
   Line 4 Series B Copy.



* - See Note 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.
1	12	18	1 1/8	3/8	3/8	2	2	2 1/4	1 1/4	4	2 1/2	2 1/8	2	2 7/8	4 5/8	4 1/2	3 7/8	1 3/4	1 1/2	1/8	3/4						1.5
2S	18	24	1 1/8	3/8	1/2	3	3	2 5/8	1 1/4	5 5/8	3 1/4	3 1/8	3 1/8	4 1/4	6 7/8	6 3/4	5 7/8	2 5/8	2 1/4	1/4	1 1/8						3.0
2M	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
3	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
4																											
5																											

STANDARD SIGN
R7-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/31/2011 PLATE NO. R7-5.8

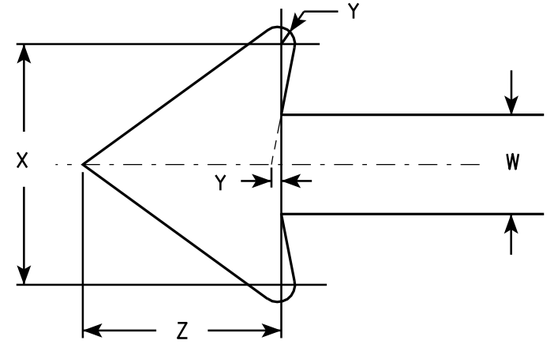
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 423	E



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																											

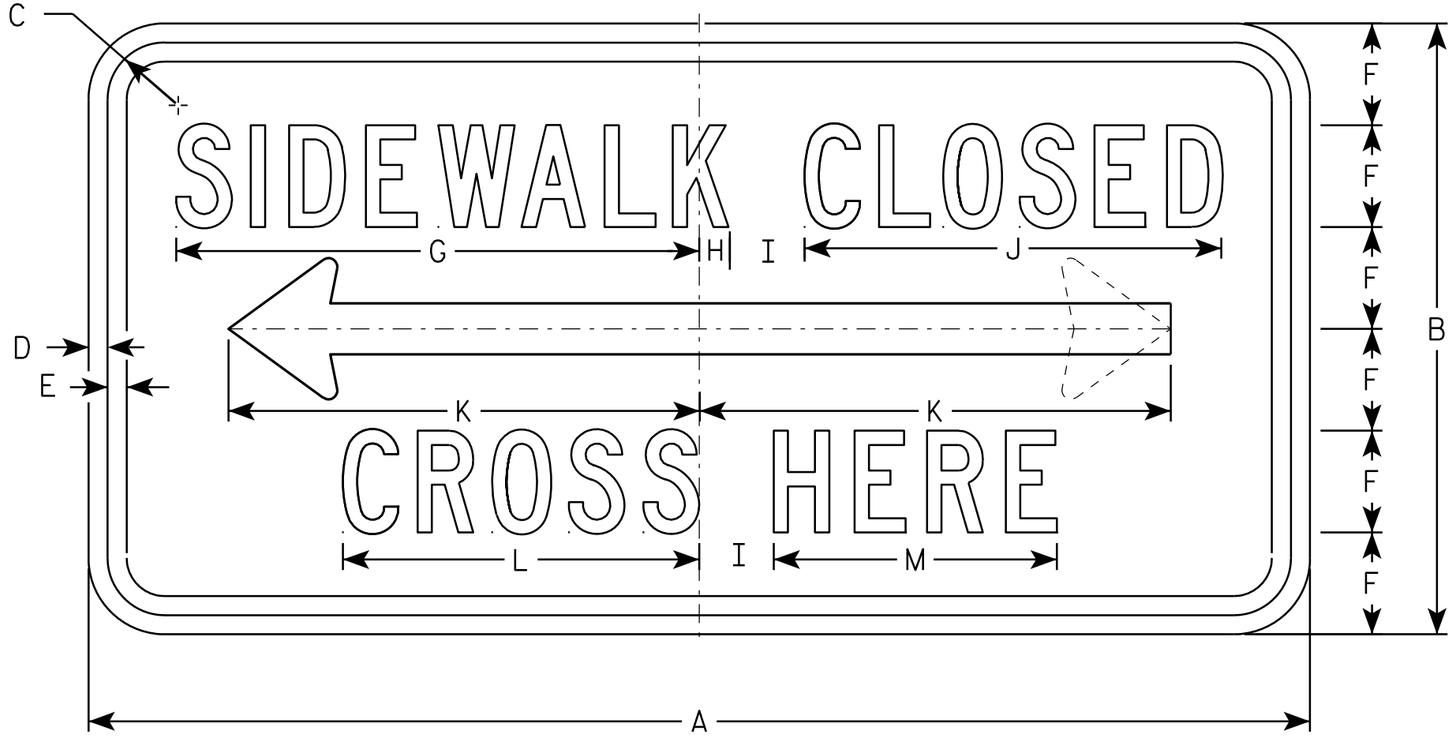
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

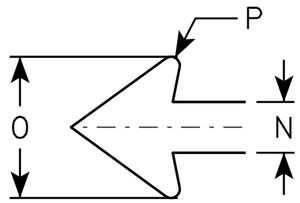
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 424	E



R9-11A



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	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2S	48	24	2 3/4	3/4	3/4	4	20 1/2	1 1/4	3	16 3/8	18 1/2	14	11 1/8	2	5 1/2	3/8											8.0
2M	48	24	2 3/4	3/4	3/4	4	20 1/2	1 1/4	3	16 3/8	18 1/2	14	11 1/8	2	5 1/2	3/8											8.0
3																											
4																											
5																											

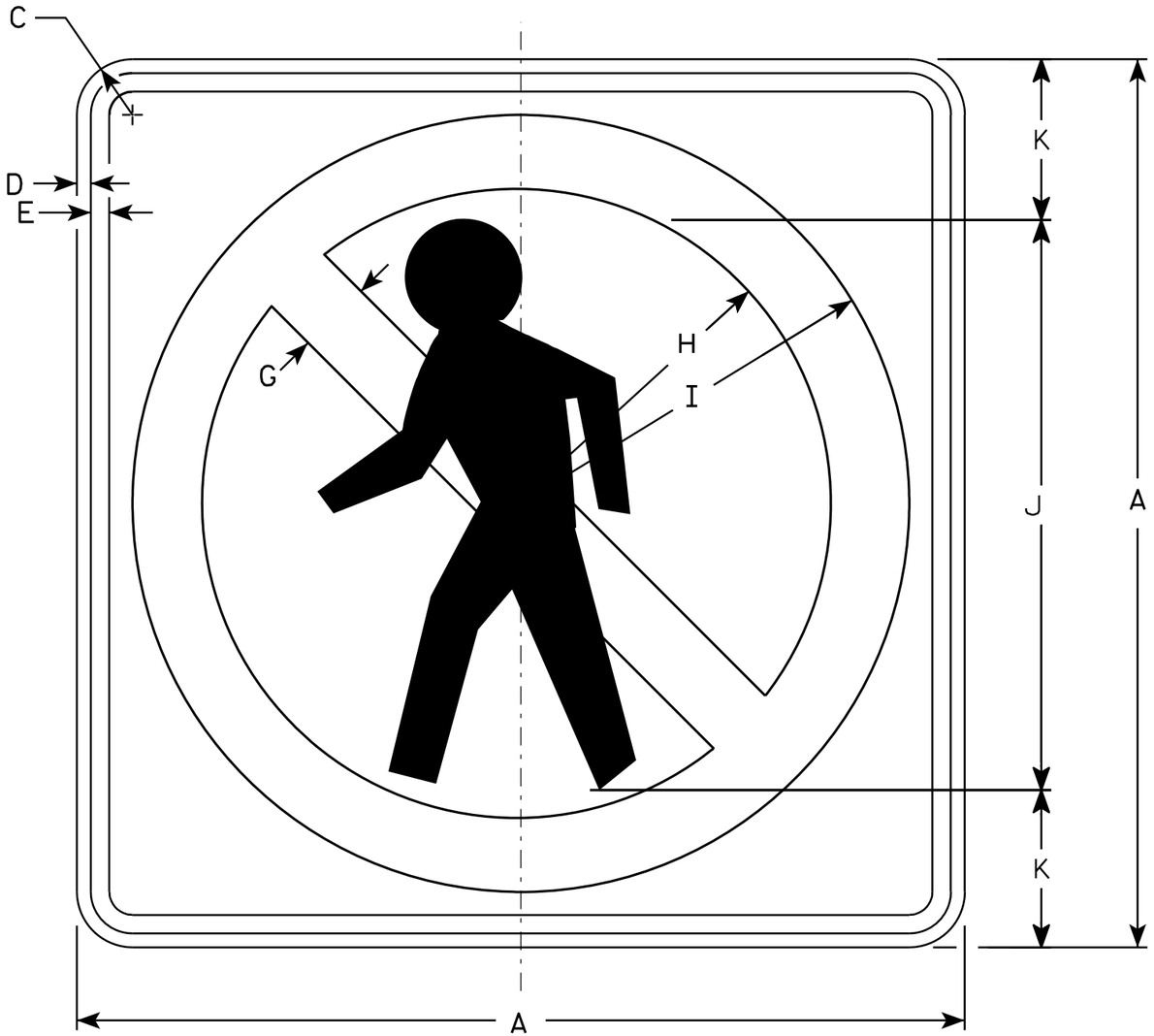
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2012 PLATE NO. R9-11A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 425 | E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2M	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
3																											
4	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
5																											

STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 426	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
2M	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
3																											
4																											
5																											

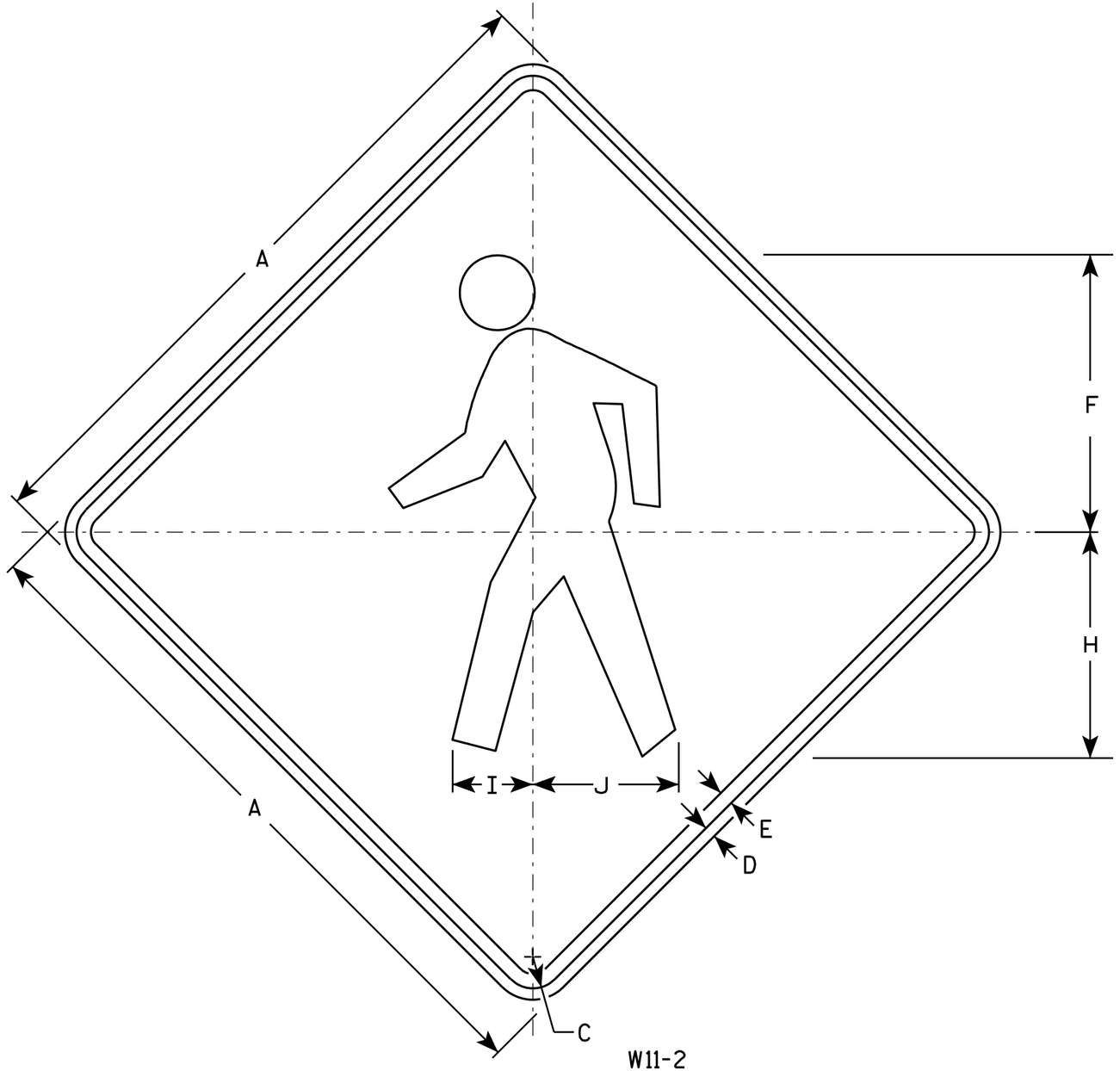
STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-9.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 427 | 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																											

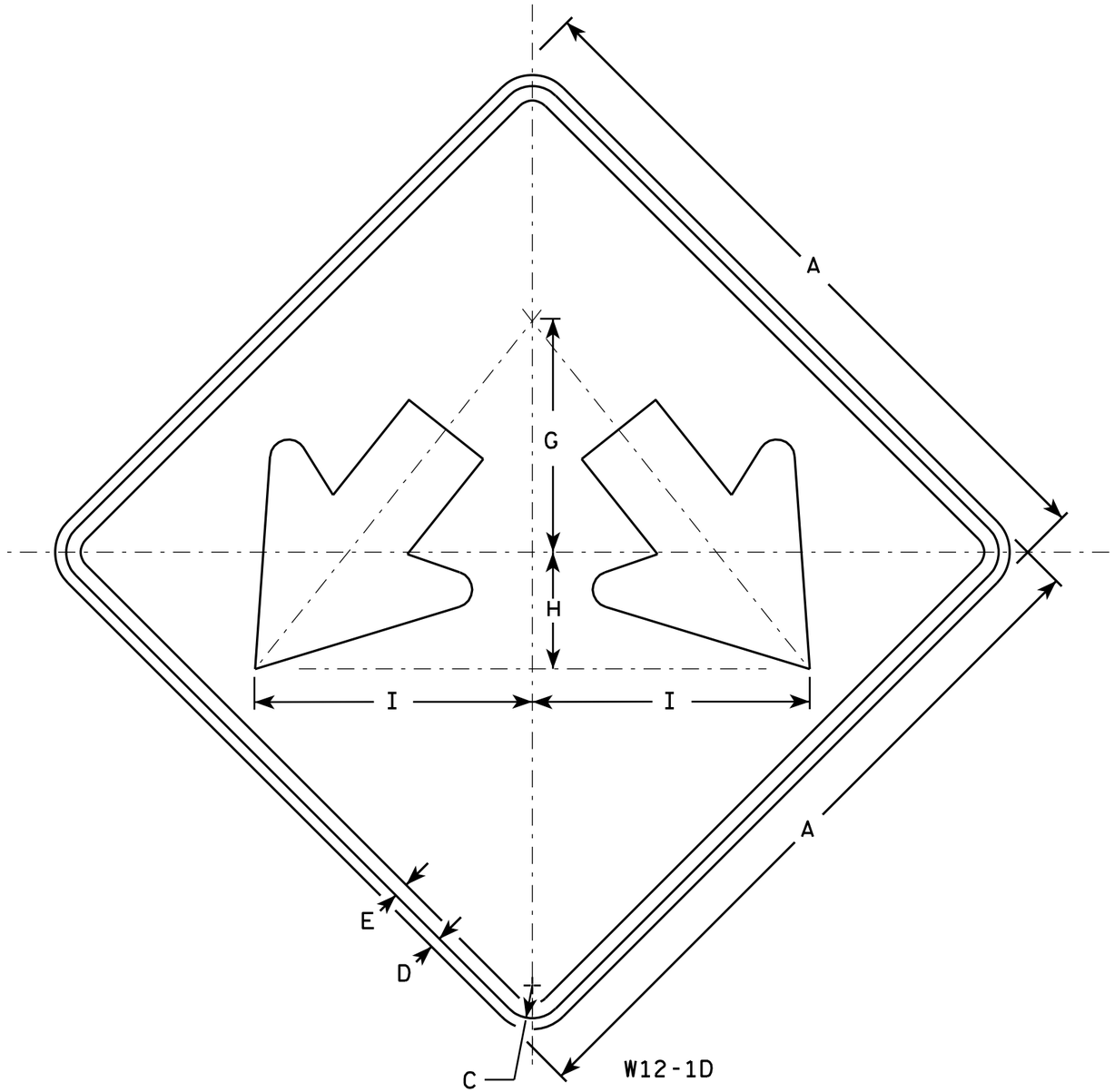
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

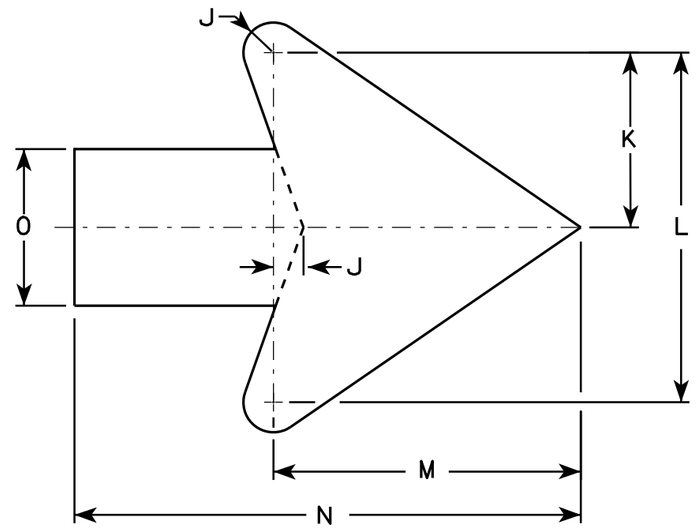
DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 428	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

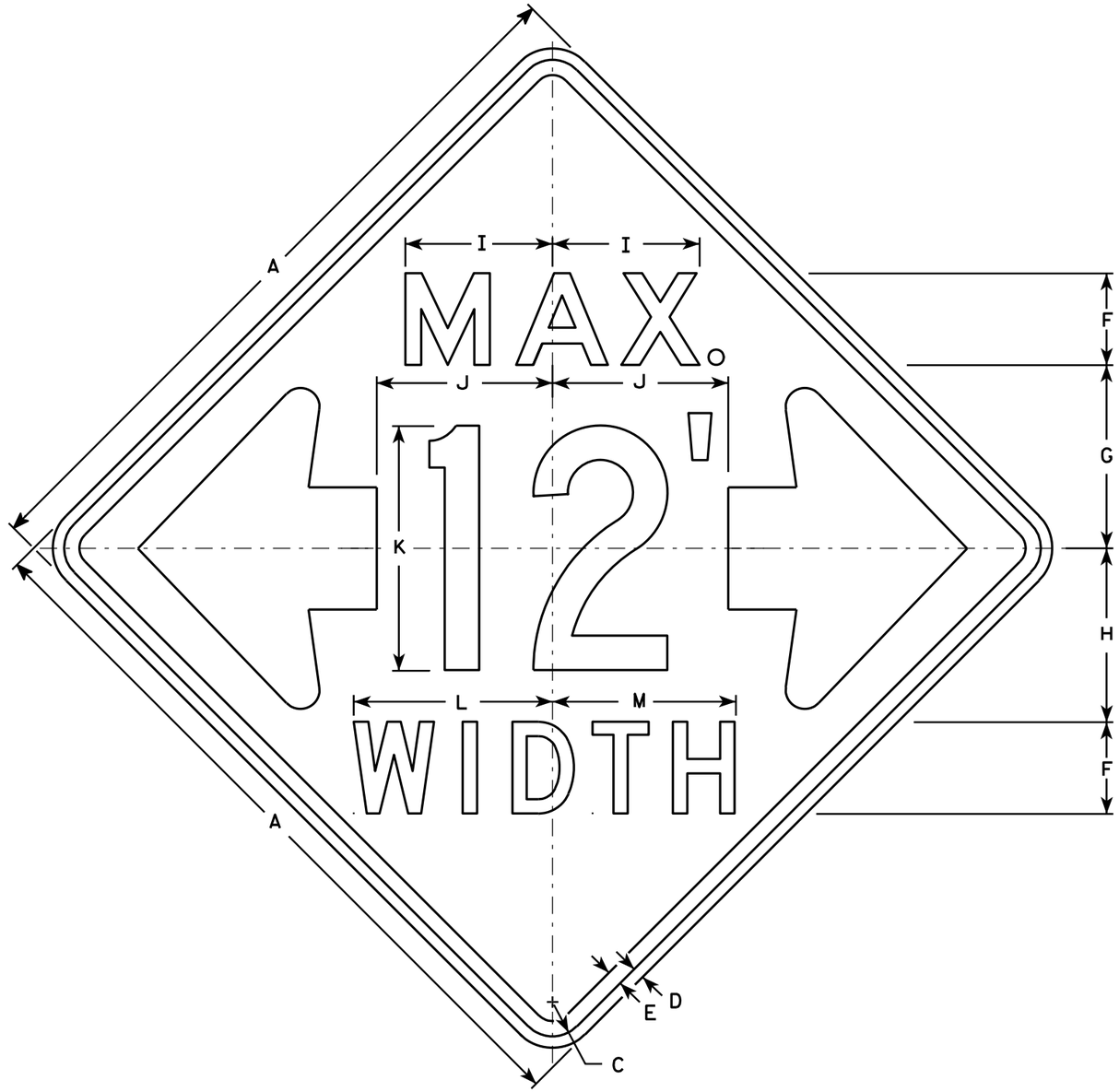
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 429	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121D.DGN PLOT DATE : 13-MAR-2013 13:26 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.713802:1.000000

WISDOT/CADDS SHEET 42

7

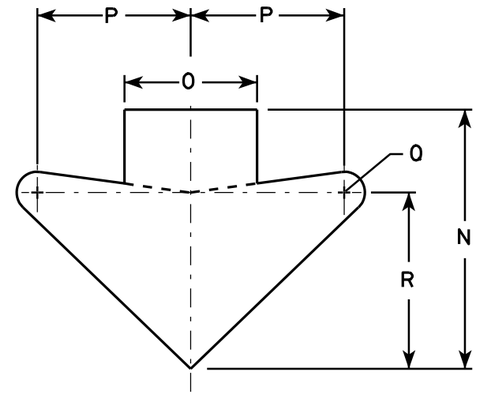
7



W12-52

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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



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	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

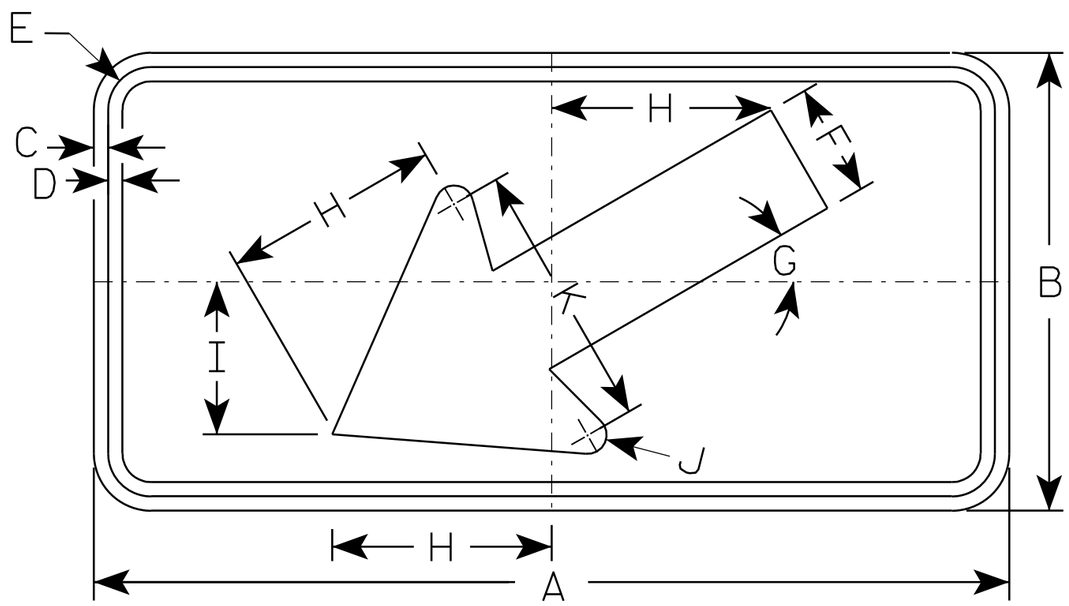
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 430 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000

WISDOT/CADDS SHEET 42

7

7



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

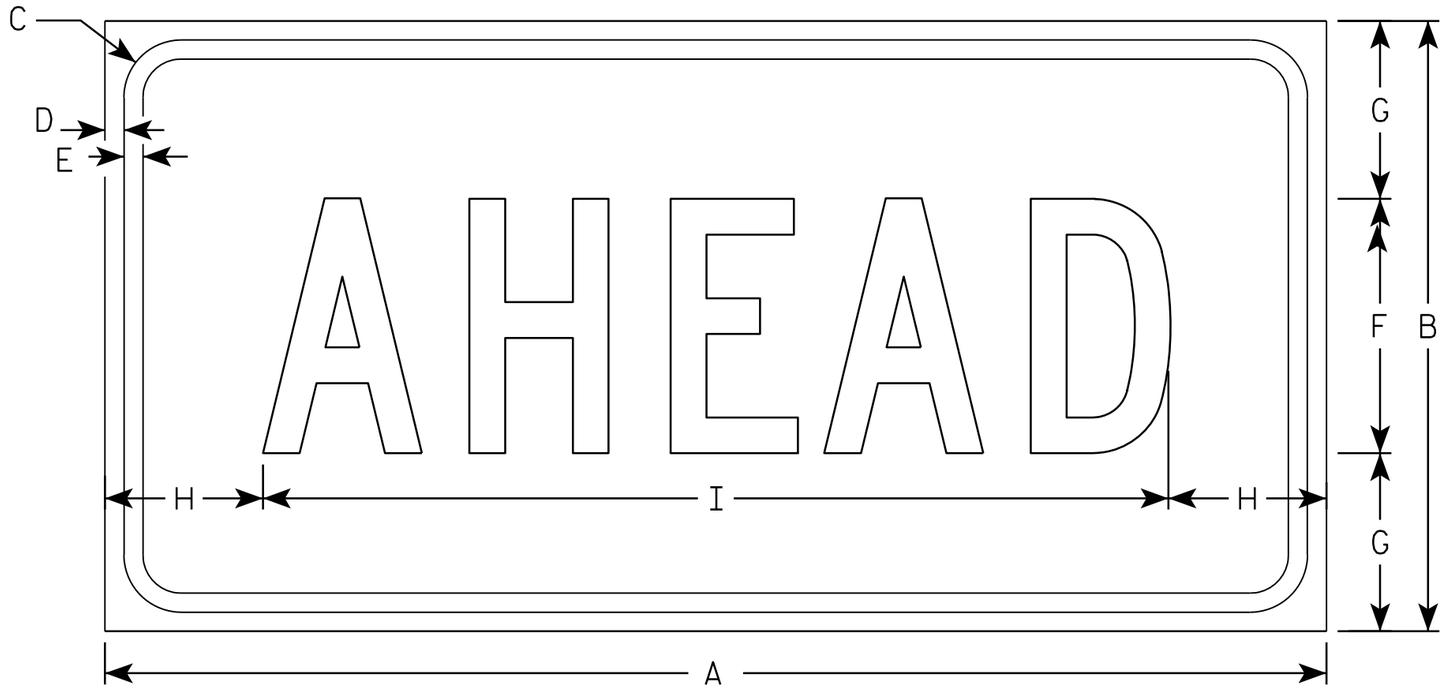
STANDARD SIGN
W16-7

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: 431	E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

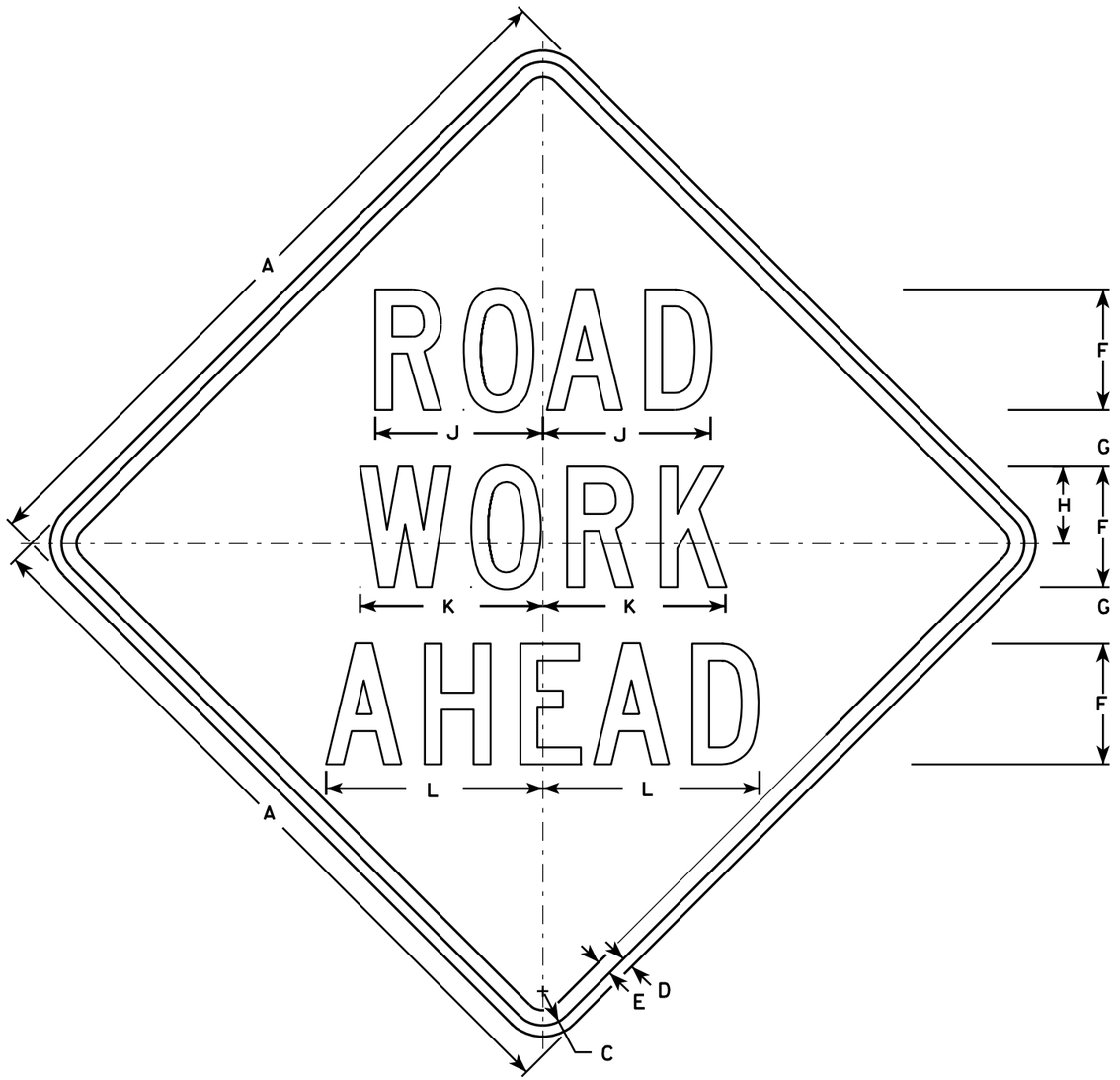
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

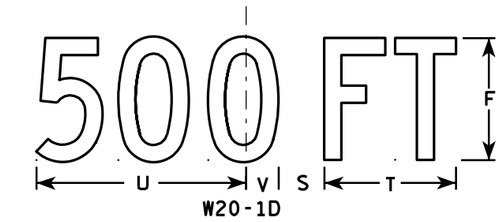
DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 432 | E

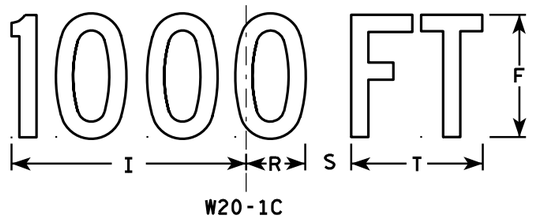
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



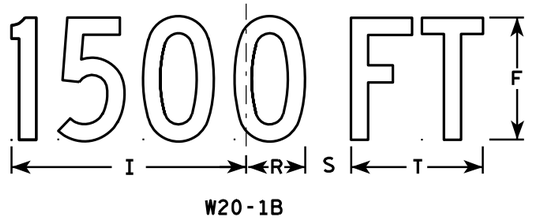
W20-1A



W20-1D



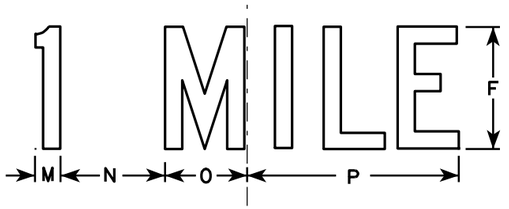
W20-1C



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:

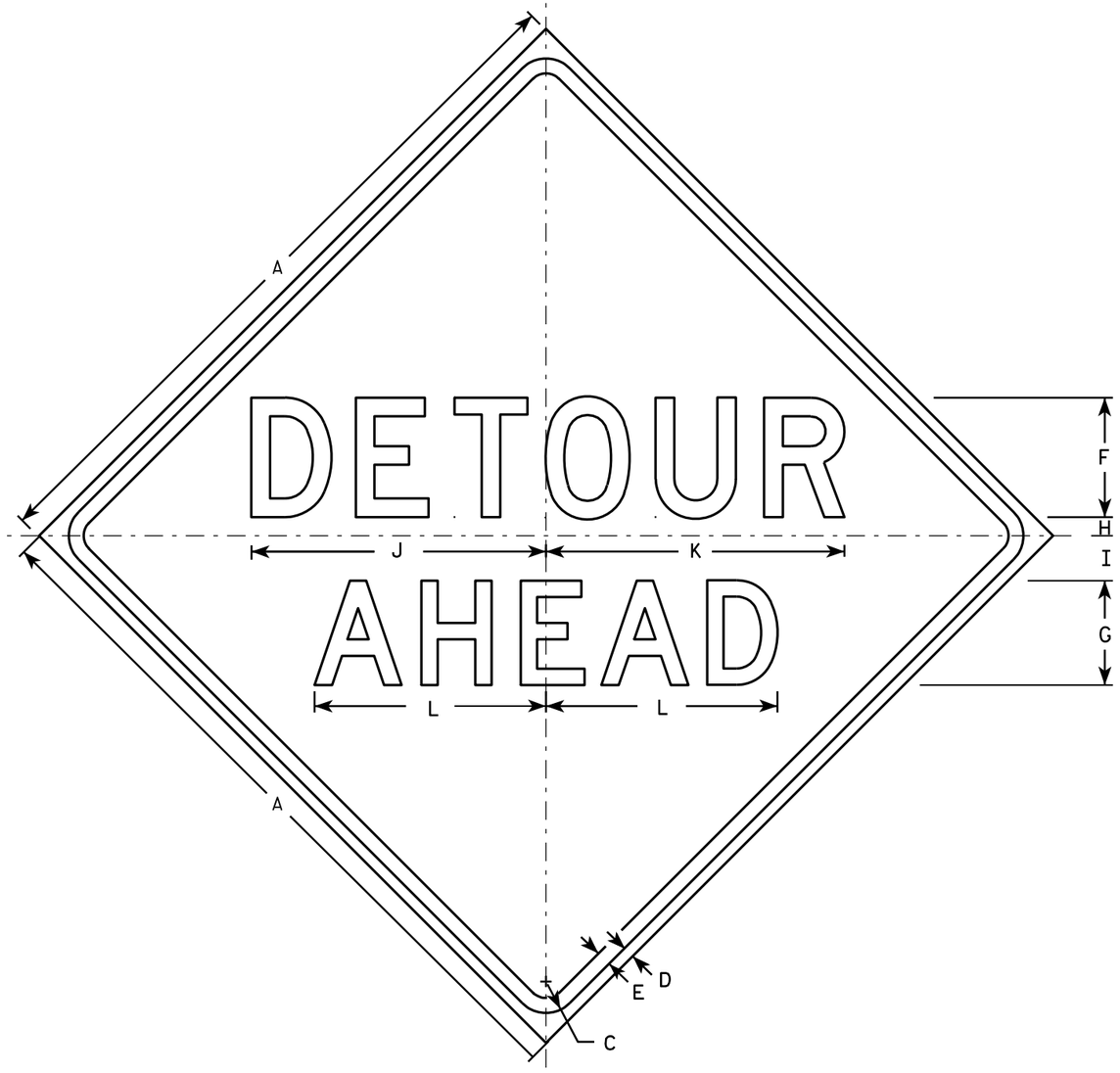
SHEET NO: 433 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W201.DGN PLOT DATE : 18-MAR-2011 09:56 PLOT BY : mscj9h

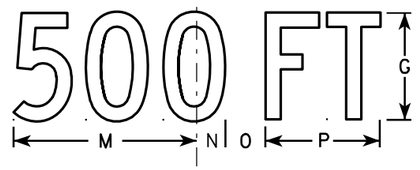
WISDOT/CADDS SHEET 42

7

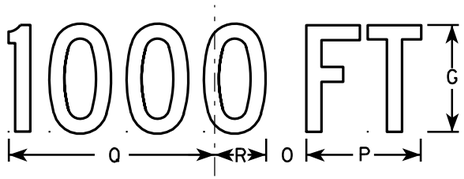
7



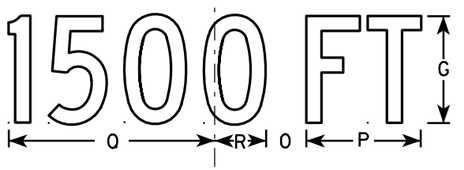
W20-2A



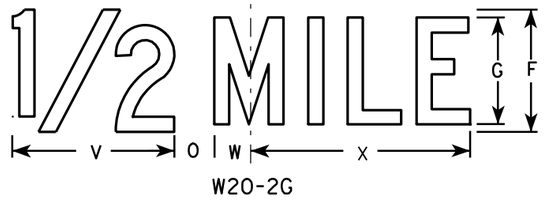
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

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

WISCONSIN DEPT OF TRANSPORTATION

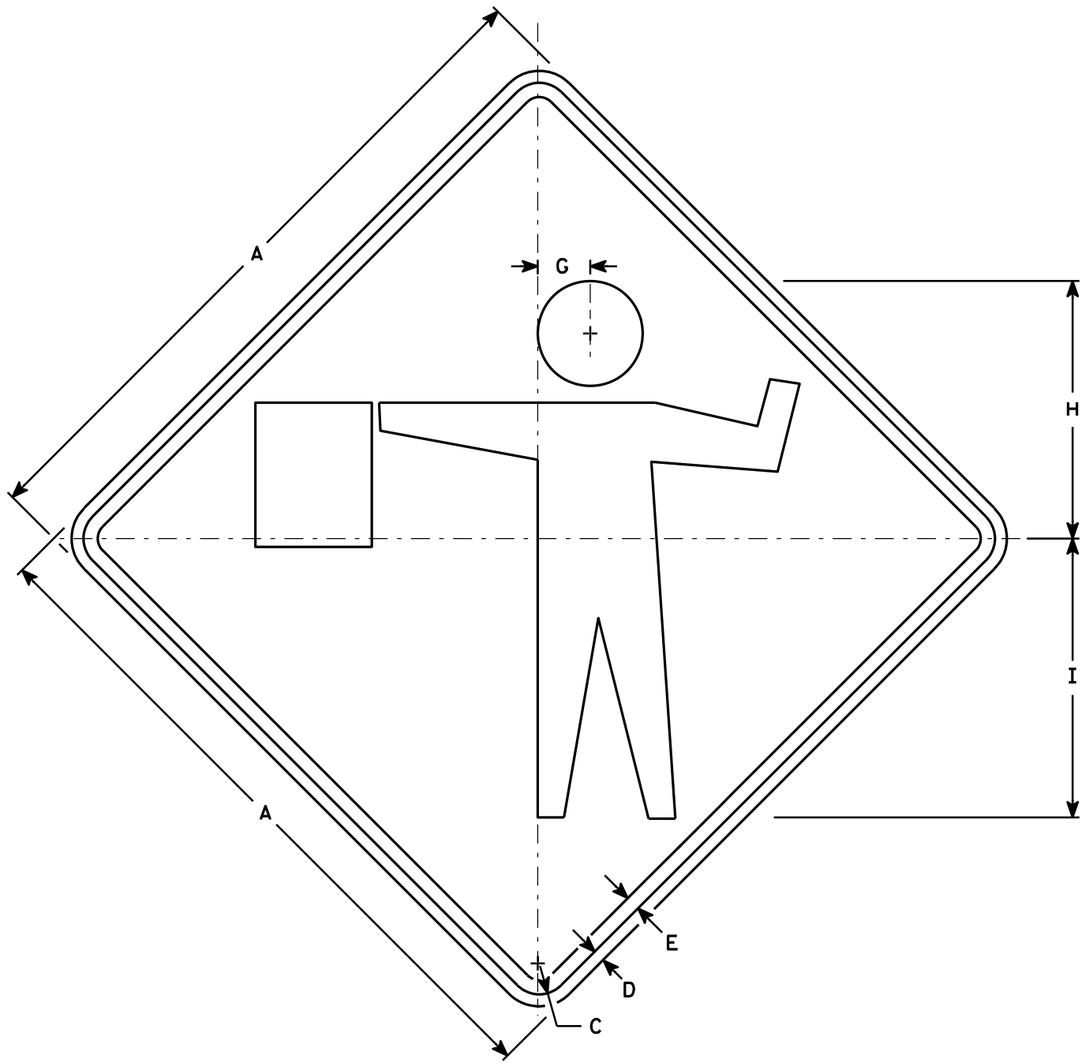
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 434 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



W20-7A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		2 3/4	13 1/2	14 5/8																		9.00
2S	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00

STANDARD SIGN
W20-7A

WISCONSIN DEPT OF TRANSPORTATION

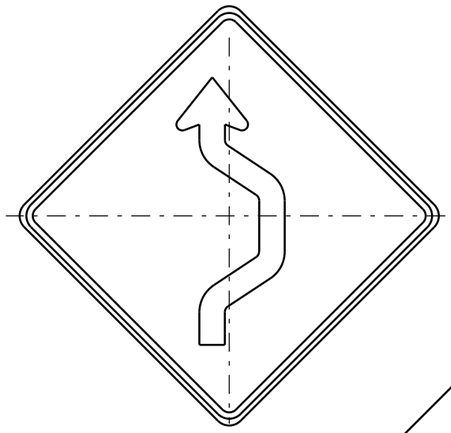
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-7A.5

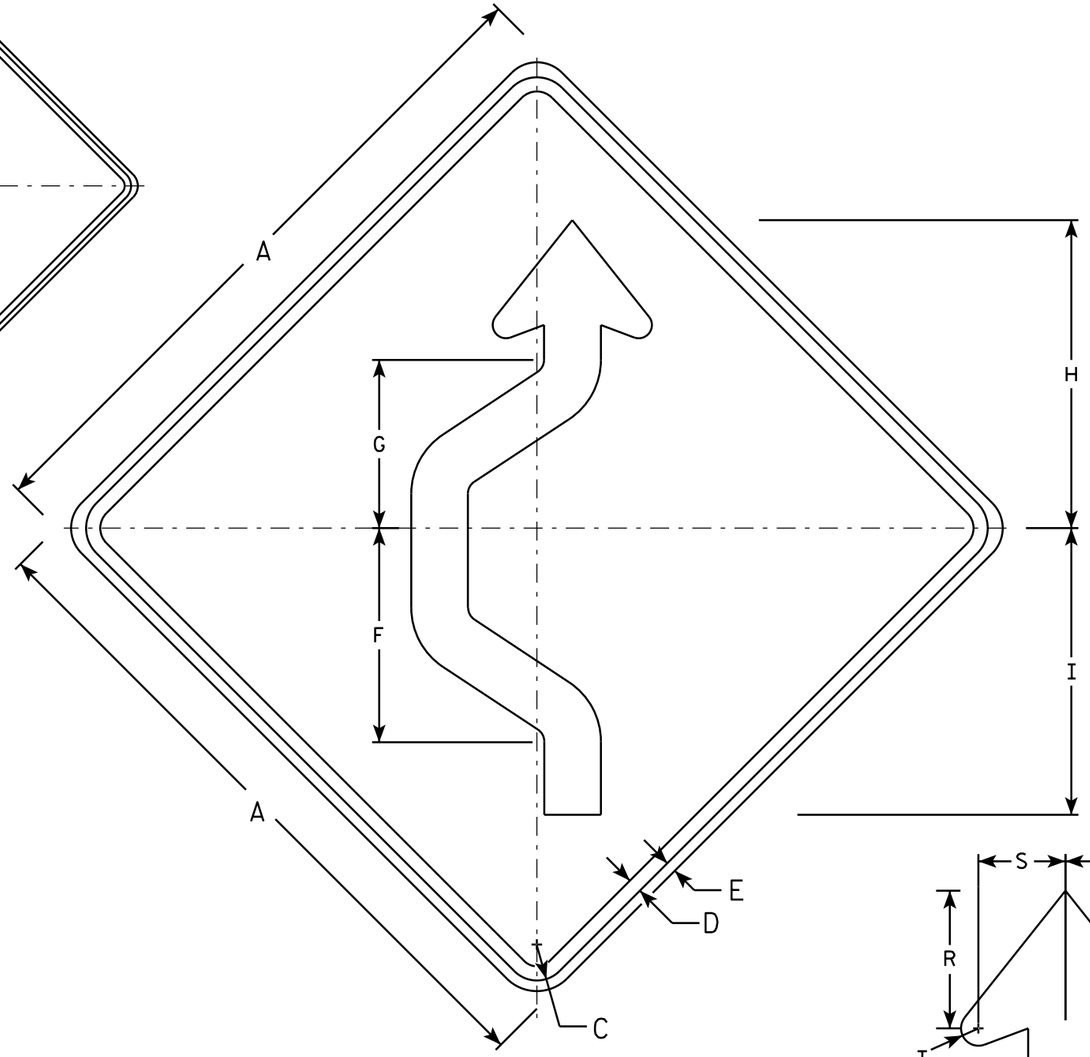
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 435 | E

7

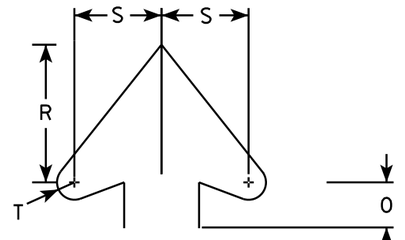
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W207A.DGN PLOT DATE : 18-MAR-2011 13:14 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 7.945391:1.000000 WISDOT/CADDS SHEET 42



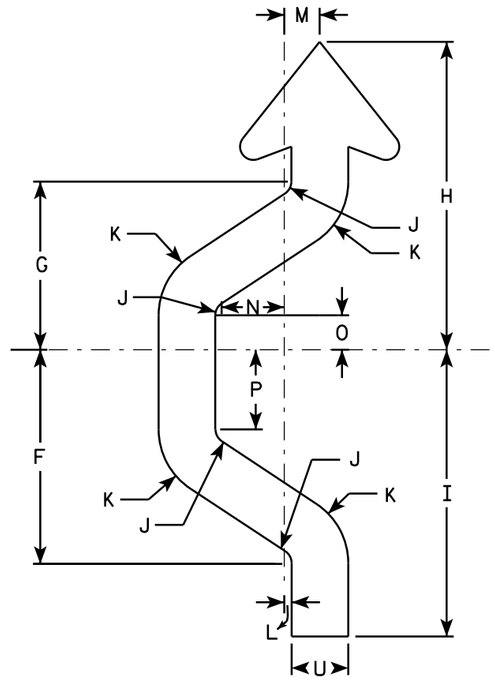
W24-1R



W24-1L



Arrowhead Detail



Arrow Detail

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. W24-1R is the same as W24-1L except 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	36		1 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
2M	36		1 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
3																											
4																											
5																											

STANDARD SIGN
W24-1 L & R

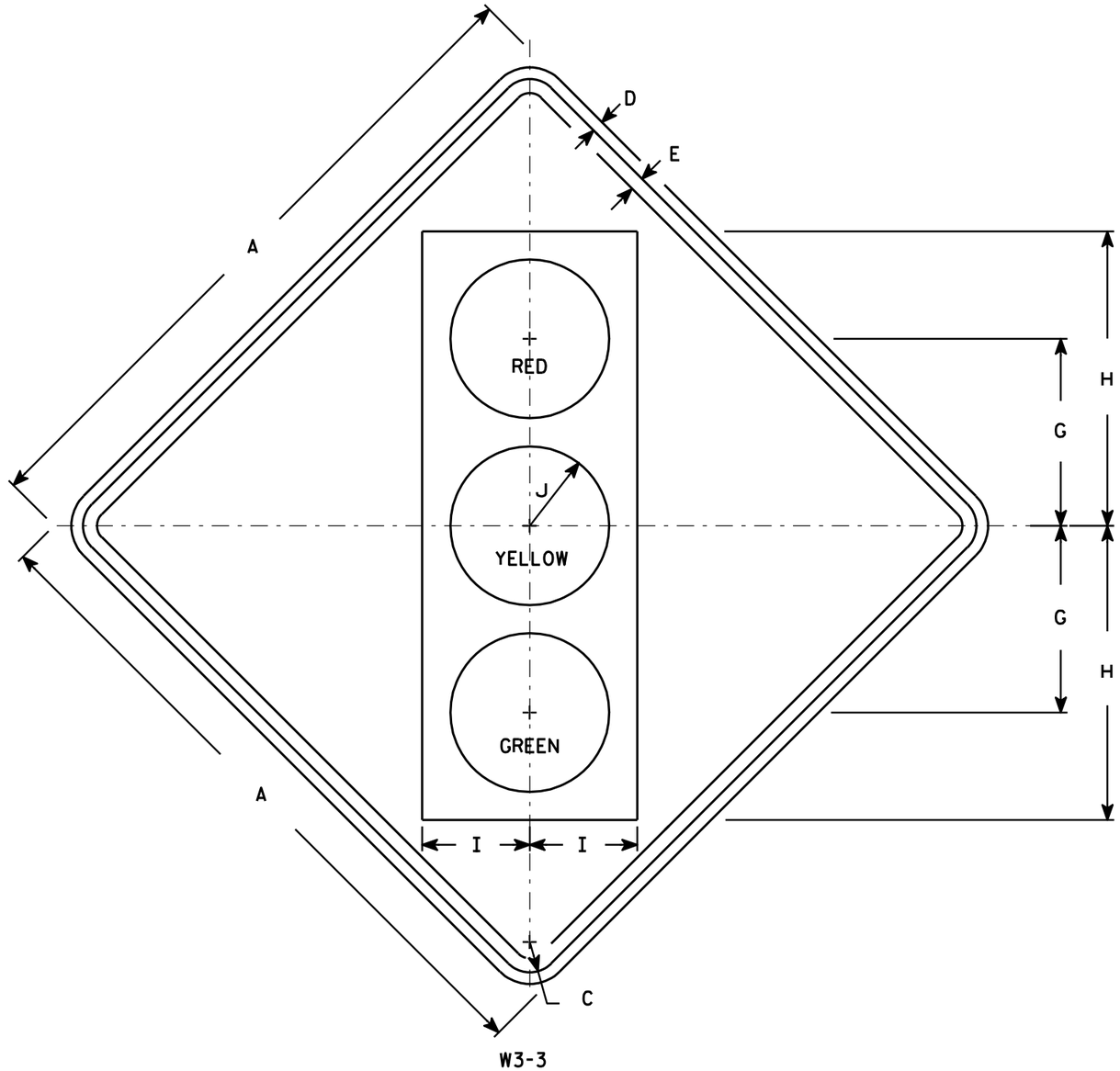
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/25/2013 PLATE W24-1.3

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W241L.DGN PLOT DATE : 25-SEP-2013 13:00 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000 WISDOT/CADDS SHEET 42



NOTES

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

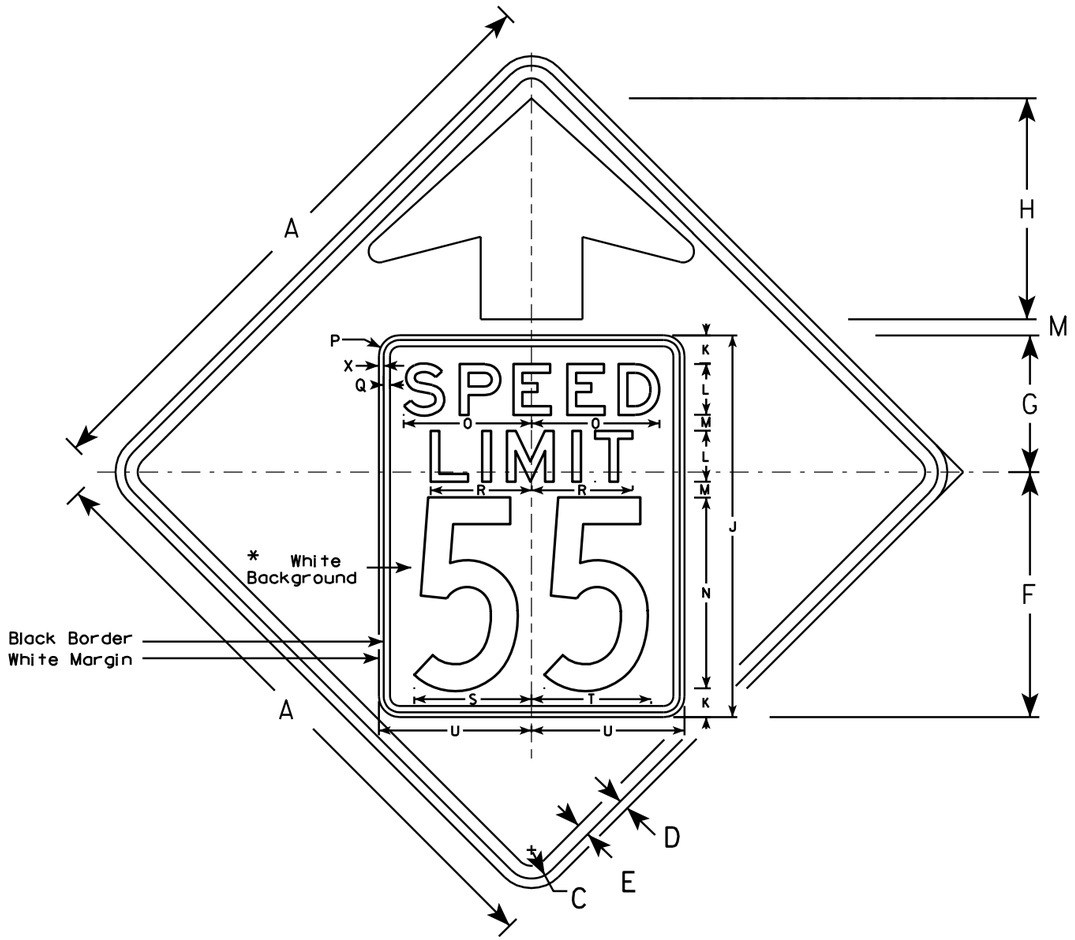
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 437 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000
WISDOT/CADDS SHEET 42

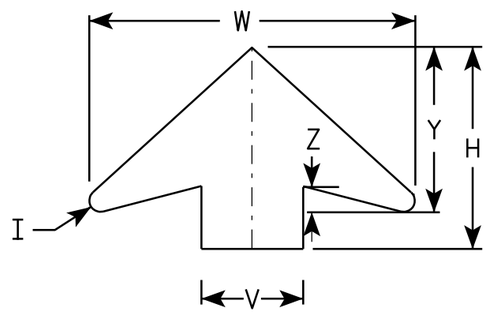


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

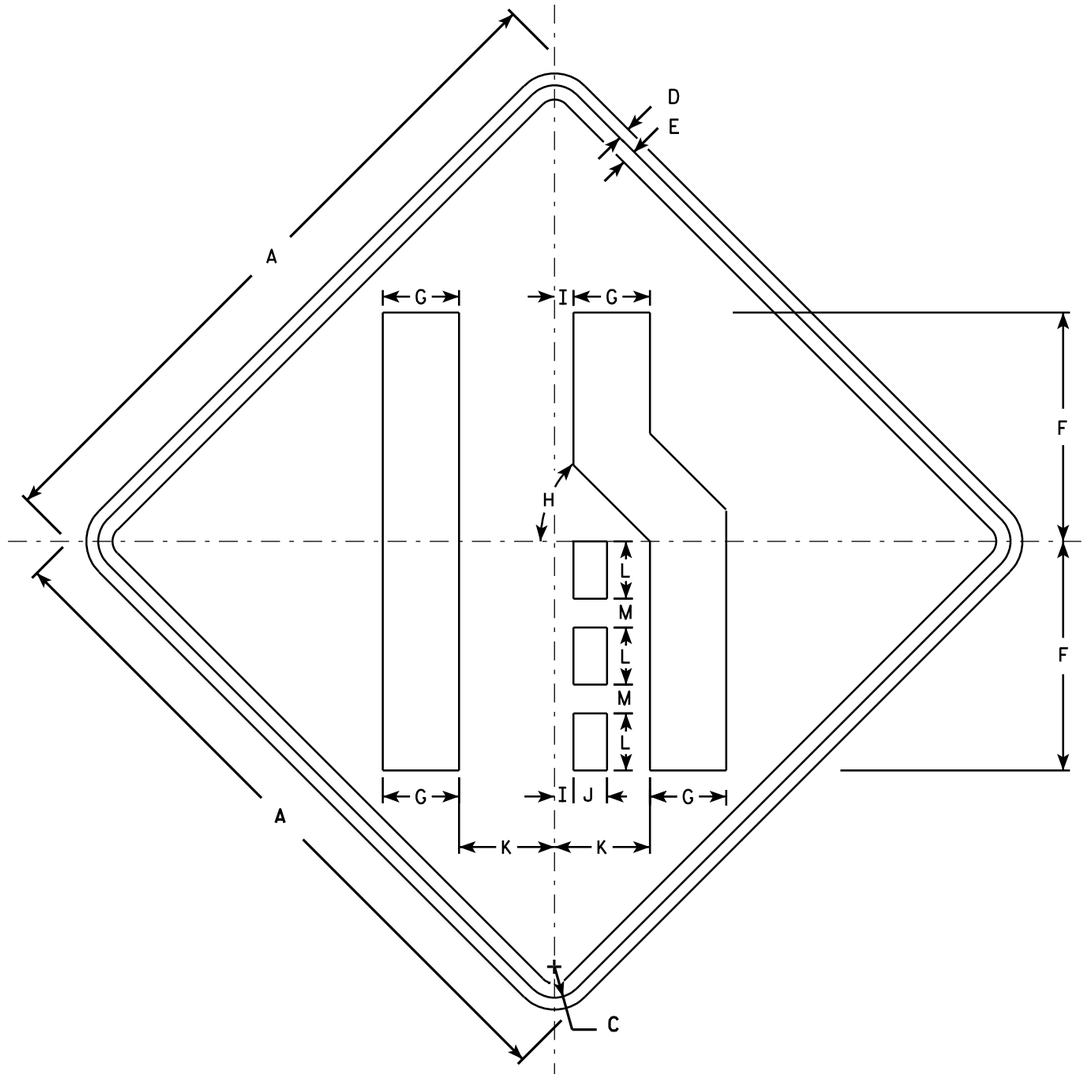
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 438 E



W4-2R

NOTES

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

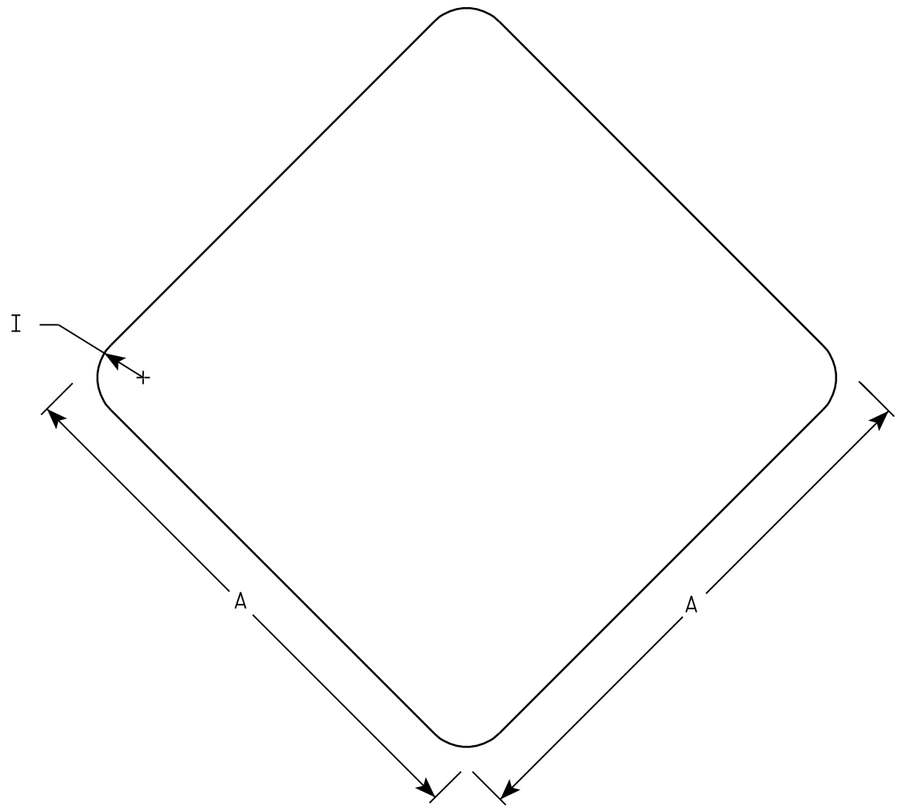
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 439 E



W5-54

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
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

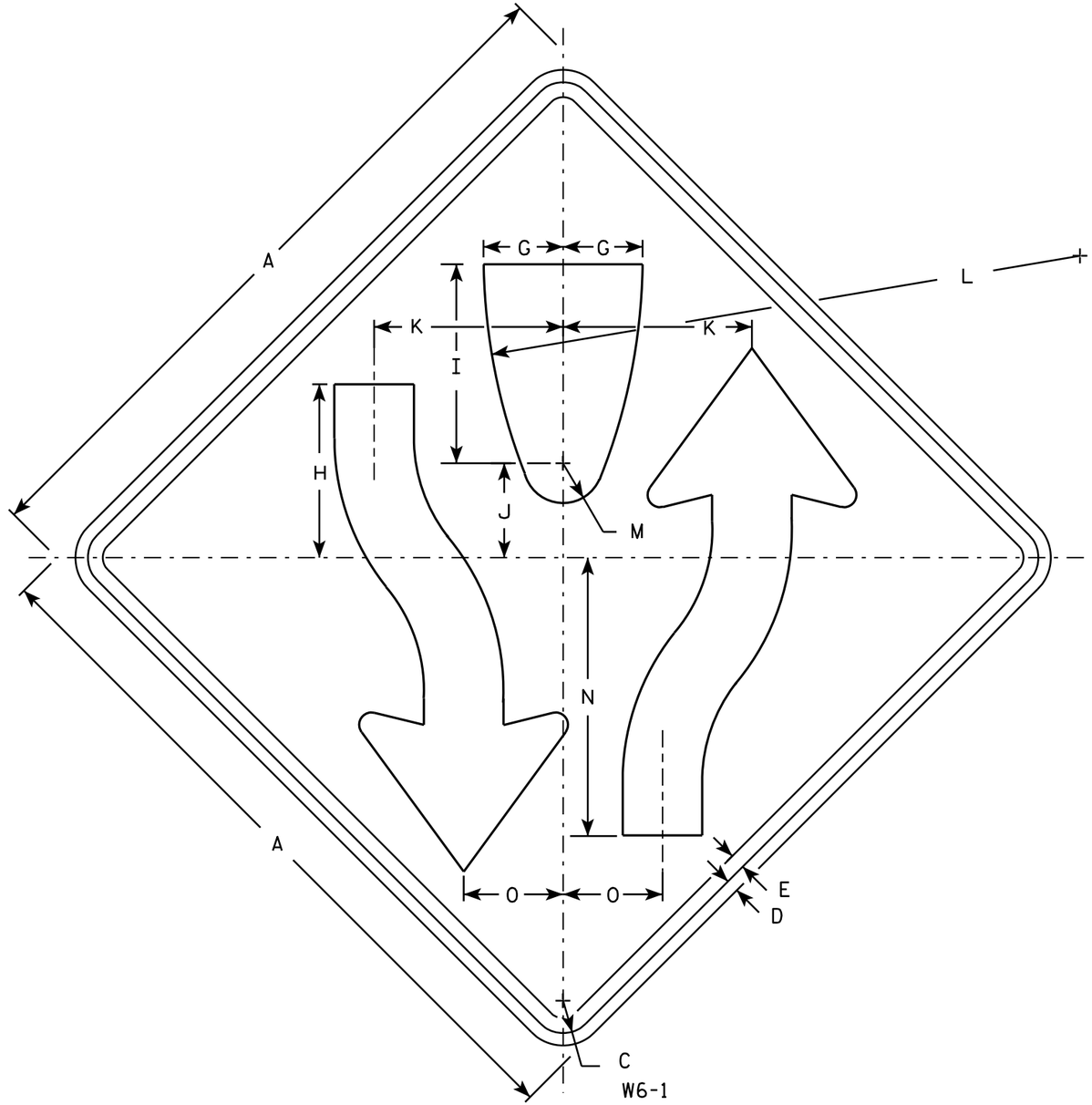
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

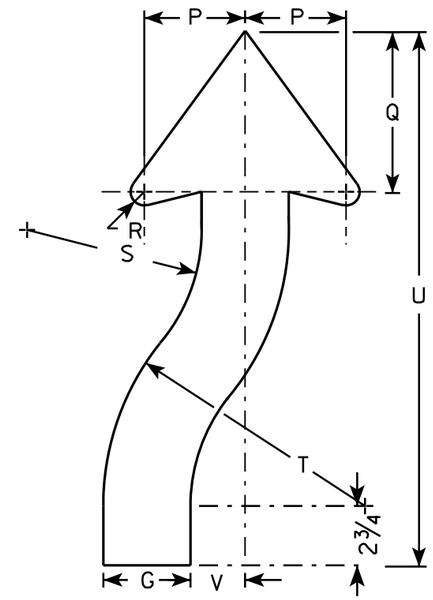
DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 440 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

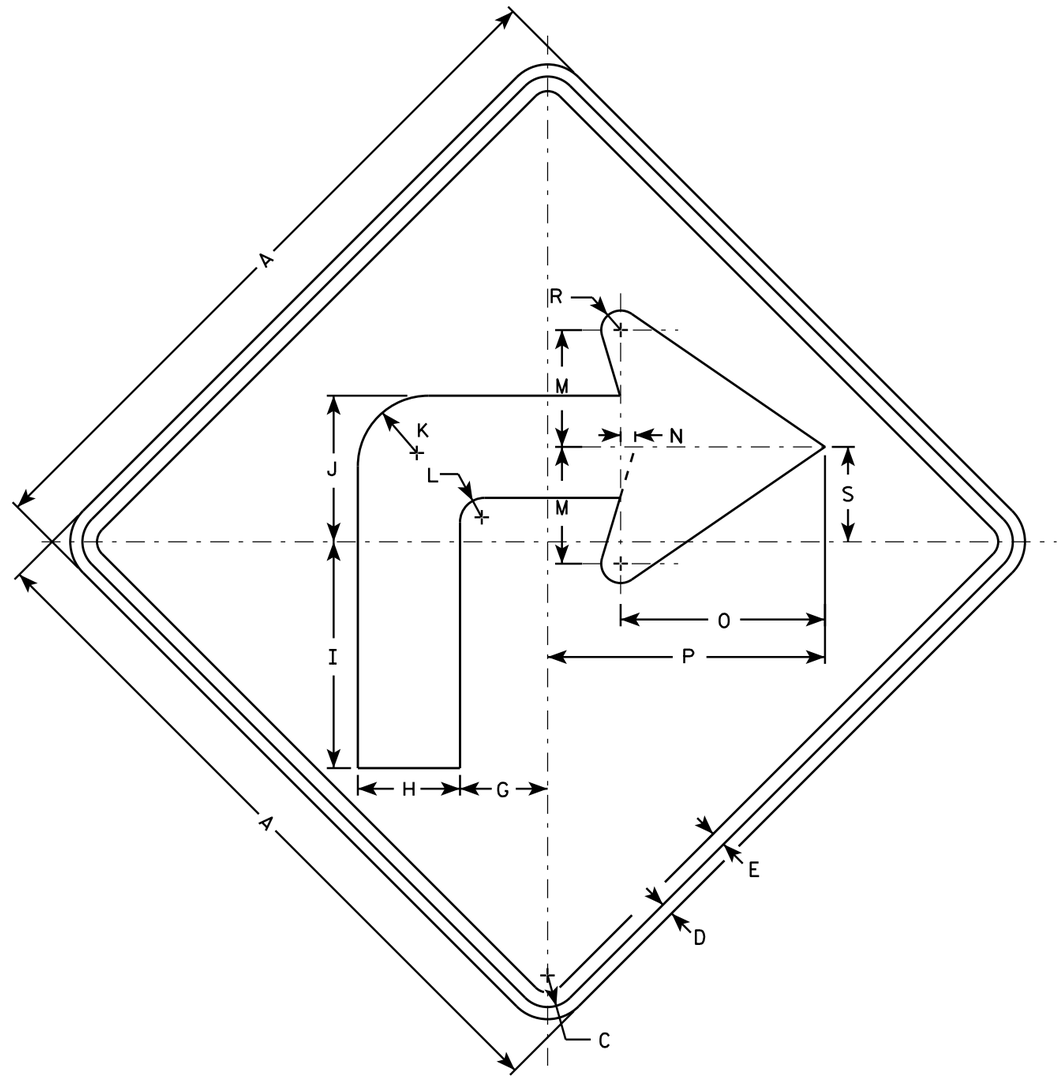
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 441	E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W01-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-1L is the same as W01-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2S	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
2M	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
3	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W01-1

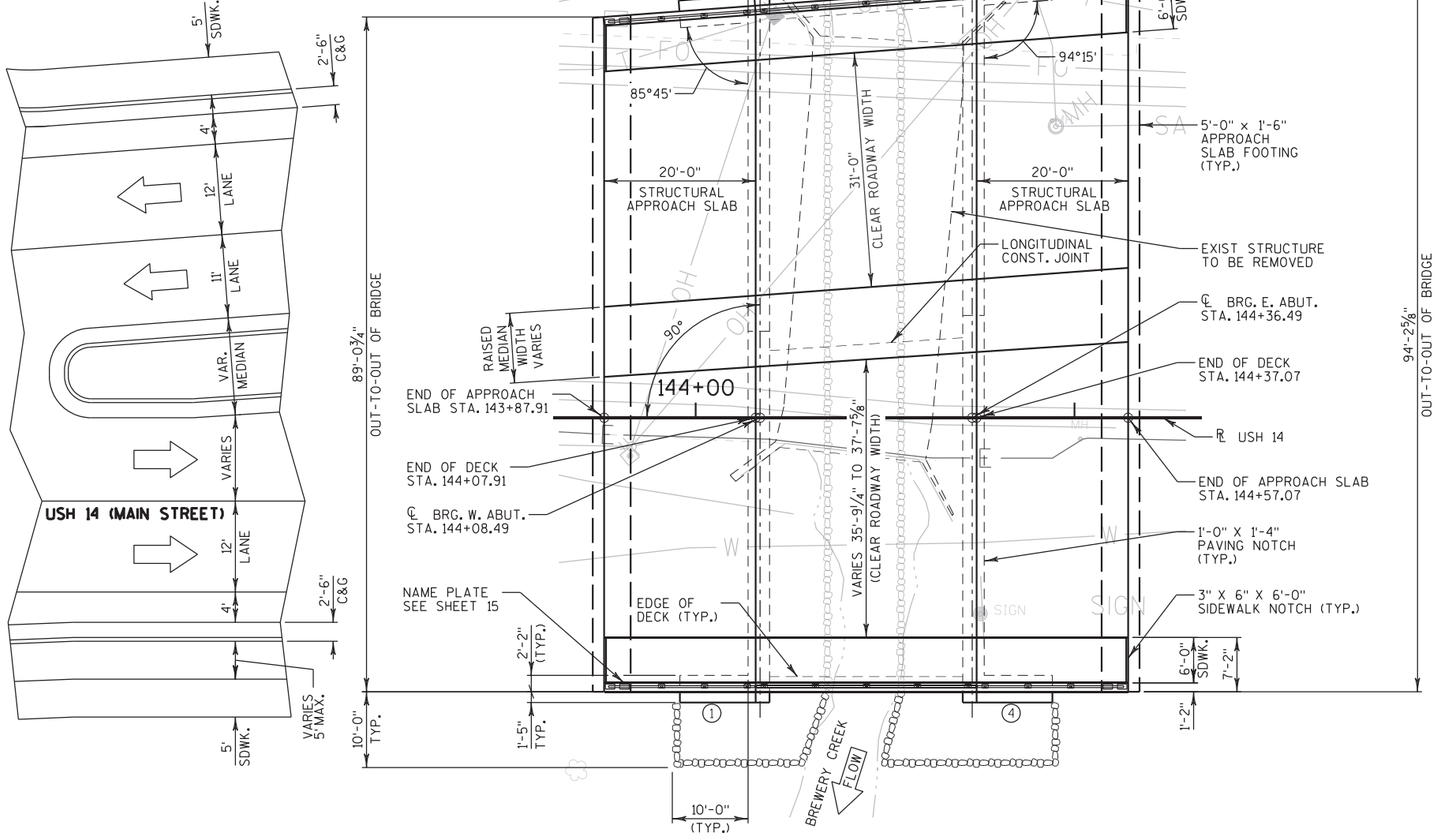
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

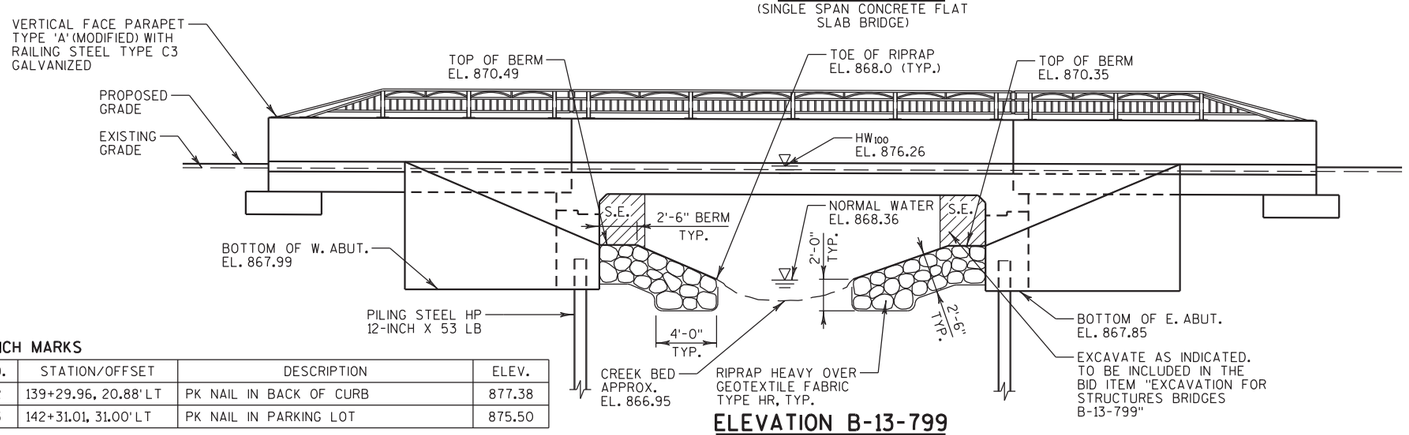
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W011.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



PLAN B-13-799

(SINGLE SPAN CONCRETE FLAT SLAB BRIDGE)



ELEVATION B-13-799

BENCH MARKS

NO.	STATION/OFFSET	DESCRIPTION	ELEV.
12	139+29.96, 20.88' LT	PK NAIL IN BACK OF CURB	877.38
13	142+31.01, 31.00' LT	PK NAIL IN PARKING LOT	875.50

STATE PROJECT NUMBER

5310-02-70

DESIGN DATA:

DESIGN LOADING — HL-93
INVENTORY RATING FACTOR — 1.27
OPERATING RATING FACTOR — 1.65
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) — 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY, SLAB — f'c = 4,000 psi
ALL OTHER — f'c = 3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT — fy = 60,000 psi

TRAFFIC DATA:

AADT (2014) = 12,350
AADT (2034) = 17,600
DESIGN SPEED = 35 MPH

FOUNDATION DATA:

ABUTMENTS SUPPORTED ON HP 12-INCH X 53 LB STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 130 TONS PER PILE AT THE WEST ABUTMENT AND 120 TONS PER PILE AT THE EAST ABUTMENT AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 60' LONG AT BOTH ABUTMENTS.

*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA:

100 YEAR FREQUENCY
Q_{100} — 1070 cfs
Q_{100} (THRU BRIDGE) — 1013 cfs
Q_{100} (OVERFLOW) — 57 cfs
VELOCITY (THRU BRIDGE) — 8.8 fps
HIGH WATER — EL. 876.26
WATERWAY AREA (THRU BRIDGE) — 115 ft²
DRAINAGE AREA — 8.0 mi²
SCOUR CRITICAL CODE — 5

2 YEAR FREQUENCY
Q_2 — 190 cfs
Q_2 ELEVATION — EL. 872.43

ROADWAY OVERFLOW
FREQUENCY — 62 YEARS
Q_{62} — 940 cfs
HIGH WATER Q_{62} — 875.71

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. ABUTMENT DETAILS
9. SUPERSTRUCTURE
10. SUPERSTRUCTURE DETAILS 1
11. SUPERSTRUCTURE DETAILS 2
12. MEDIAN DETAILS
13. STRUCTURAL APPROACH SLAB
14. STRUCTURAL APROACH SLAB DETAILS
15. VERTICAL FACE PARAPET TYPE 'A' MODIFIED
16. RAILING STEEL TYPE C3

LEGEND

(X) INDICATES WING NUMBER

WISCONSIN
ERIC T. PRICE
E-39027
MADISON
WI
PROFESSIONAL ENGINEER

8/20/2014

NO.	DATE	REVISION	BY

CORRE
Structural Environmental Municipal Transportation
6510 GRAND TETON PLAZA, SUITE 314
MADISON, WI 53719
608/826-0532
www.correengineering.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 08/22/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-799

USH 14 OVER BREWERY CREEK

COUNTY	TOWN/CITY/VILLAGE
DANE	CROSS PLAINS

DESIGN SPEC. AASHTO LRFD

DESIGNED BY	ETP	DESIGN CK'D.	BH	DRAWN BY	TKB	PLANS CK'D.	ETP

GENERAL PLAN

SHEET 1 OF 16

443

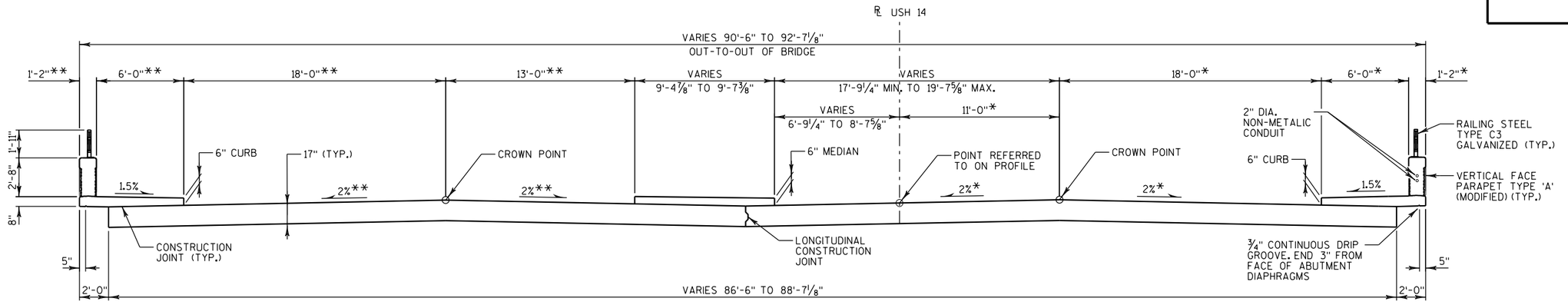
SW REGION CONTACT:
BILL STROBEL (608) 242-8009

BUREAU OF STRUCTURES CONTACT:
BILL DREHER (608) 266-8489

CONSULTANT CONTACT:
ERIC PRICE (608) 826-6146

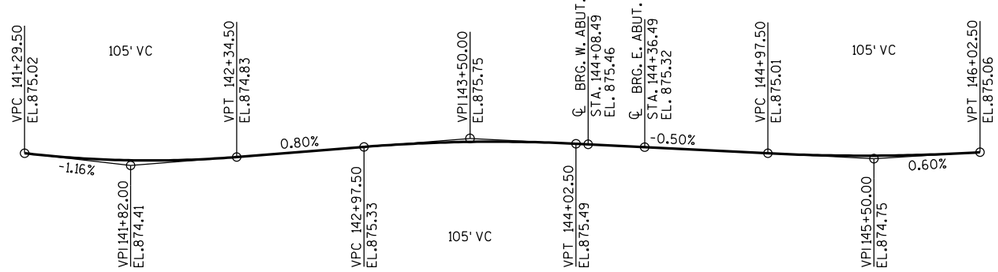
STATE PROJECT NUMBER

5310-02-70



TYPICAL SECTION

* DIM PERPENDICULAR TO REFERENCE LINE
** DIM PERPENDICULAR TO NORTH EDGE OF SLAB
(LOOKING EAST)



℄ USH 14 PROFILE GRADE LINE

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	WEST APPROACH	WEST ABUTMENT	EAST ABUTMENT	EAST APPROACH	SUPER.	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 144+22	LS						1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-799	LS						1
210.0100	BACKFILL STRUCTURE	CY		165	170			335
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	300			305		605
502.0100	CONCRETE MASONRY BRIDGES	CY	128	69	70	133	185	585
502.3200	PROTECTIVE SURFACE TREATMENT	SY	207	14	14	216	325	776
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB		6,200	6,270			12,470
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	19,590	1,210	1,210	20,600	31,040	73,650
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		18	19			37
517.1010.S	CONCRETE STAINING B-13-799	SF	145	85	85	145	230	690
517.1050.S	ARCHITECTURAL SURFACE TREATMENT B-13-799	SF	145	85	85	145	230	690
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF		780	780			1,560
606.0300	RIPRAP HEAVY	CY		130	145			275
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	30	120	125	30		305
645.0120	GEOTEXTILE FABRIC TYPE HR	SY		205	215			420
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	6			6	12	24
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	40			40	47	127
SPV.0085.01	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	1,550			1,590		3,140
SPV.0105.22	RAILING STEEL TYPE C3 GALVANIZED B-13-799	LS						1
	NON-BID ITEMS							
	FILLER	SIZE						1/2", 3/4" & 1 1/2"

ALL ITEMS ARE CATEGORY 0050

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET.

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

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPES I, II, OR III OR M213.

AT THE BACKFACE OF ABUTMENTS, ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE FILLED WITH STRUCTURE BACKFILL.

THE EXISTING GROUNDLINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS NOTED OTHERWISE.

THE EXISTING STRUCTURE IS A SINGLE-SPAN CONCRETE SLAB BRIDGE ON FULL RETAINING CONCRETE ABUTMENTS WITH AN OVERALL LENGTH OF 20'-0" AND AN OVERALL WIDTH OF 53'-8". EXISTING BRIDGE TO BE REMOVED WITH CONSTRUCTION OF B-13-799.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC, TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS, OR AS DIRECTED BY THE ENGINEER.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK, SIDEWALK & MEDIAN SURFACES, AND TO THE FRONT TOP 8" AND TOP OF PARAPETS.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATION.

RAILING STEEL TYPE C3 GALVANIZED SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

TYPICAL SECTION & QUANTITIES

SHEET 2 OF 16

444

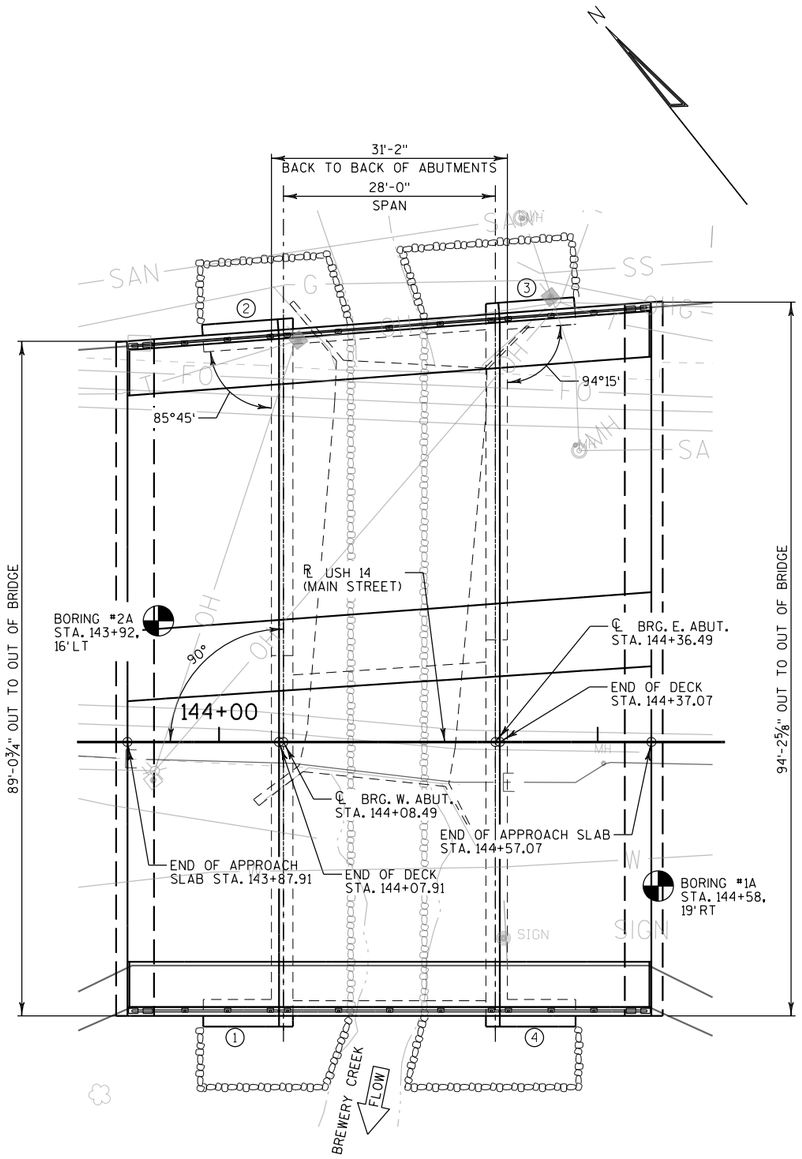
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8

FILE NAME : C:±Users±Home±Google Drive±TKB Projects±Bridge±B-13±B-13-799±Cad±B-13-799_02-typsec.dgn

PLOT DATE : 8/19/2014

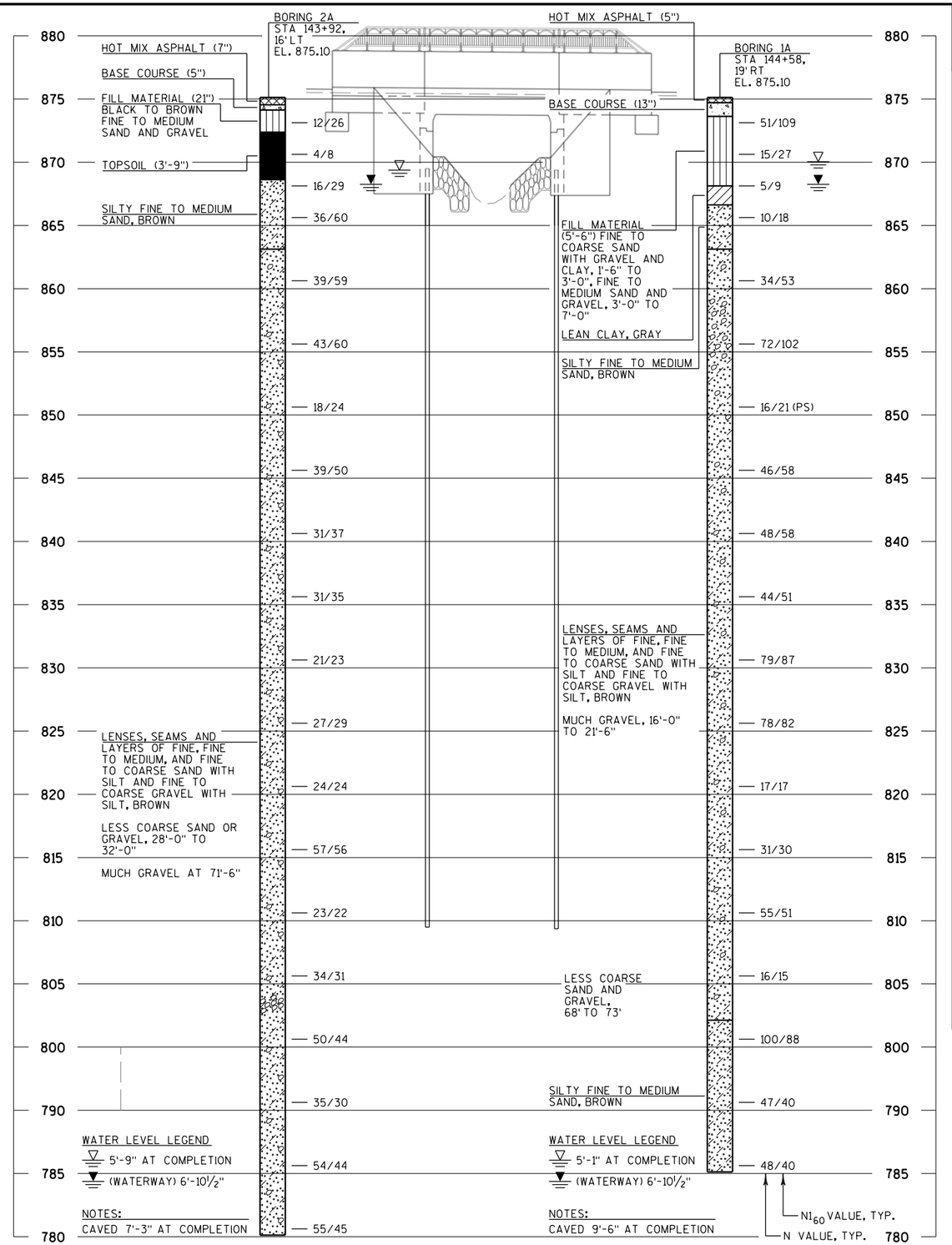
PLOT SCALE : 2.00000 '/ ft.



PLAN B-13-799

SOIL BORINGS PERFORMED BY:
SOILS & ENGINEERING SERVICES, INC.
1102 STEWART STREET
MADISON, WI 53713
(608)-274-7600

BORING 1A
PERFORMED ON 3/14/12
BORING 2A
PERFORMED ON 3/13/12



STATE PROJECT NUMBER

5310-02-70

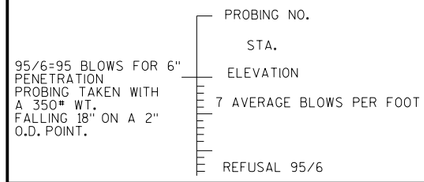
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

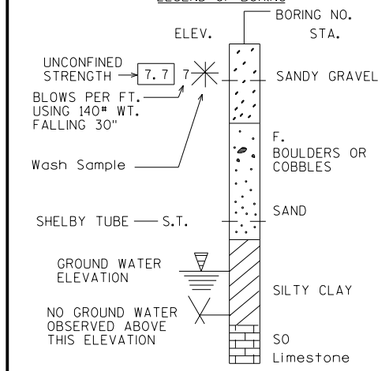
MATERIAL SYMBOLS

TOPSOIL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

SUBSURFACE EXPLORATION

SHEET 3 OF 16

445

8

8

FILE NAME : C:±Users±Home±Google Drive±TKB Projects±Bridge±B-13-799±Cad±B-13-799_03-sub sur exp.dgn

PLOT DATE : 7/1/2014

PLOT SCALE : 2.00000 '/ ft.

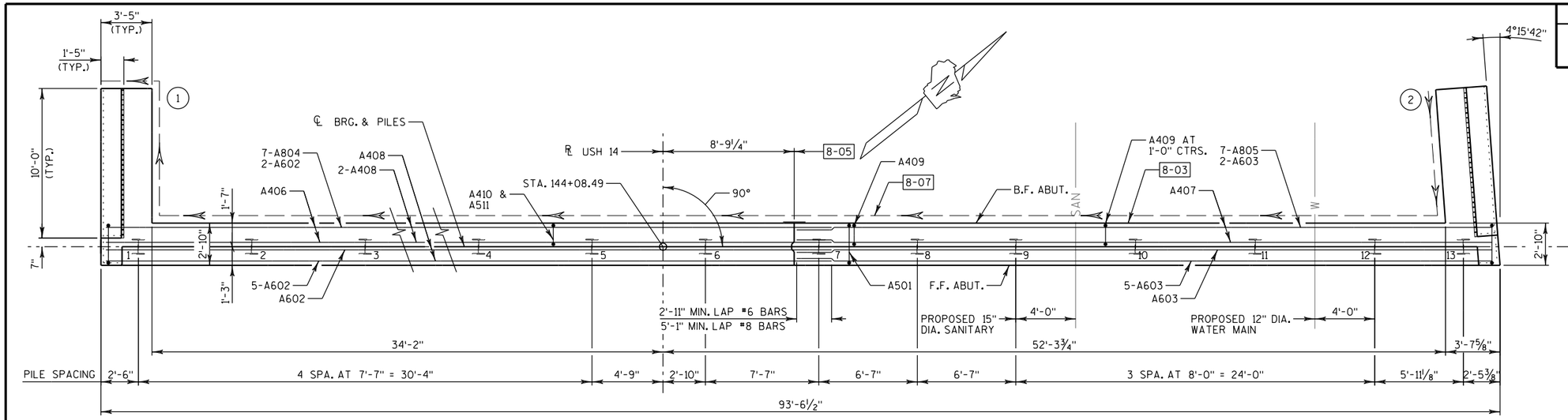
STATE PROJECT NUMBER

5310-02-70

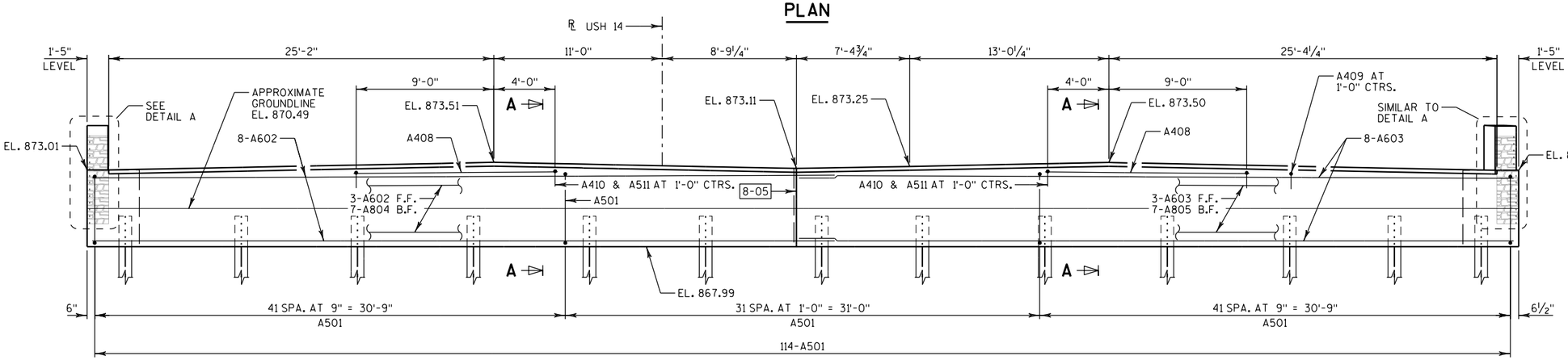
NOTES:

WEST ABUTMENT TO BE SUPPORTED ON HP 12-INCH X 53 LB STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 130 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 60'LONG.

SEE SHEET 8 FOR LEGEND AND ADDITIONAL INFORMATION.



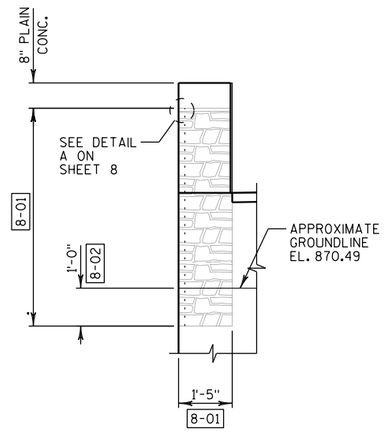
PLAN



ELEVATION

(LOOKING WEST)
A406 & A407 BARS NOT SHOWN FOR CLARITY

SECTION A-A



DETAIL A

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

WEST ABUTMENT

SHEET 4 OF 16

446

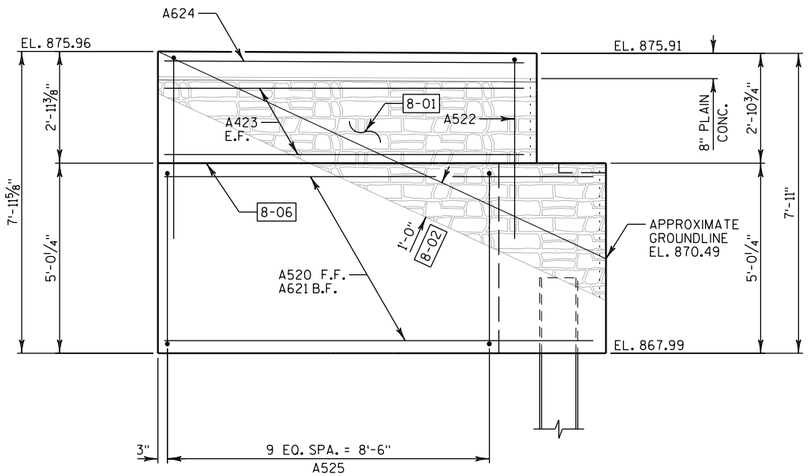
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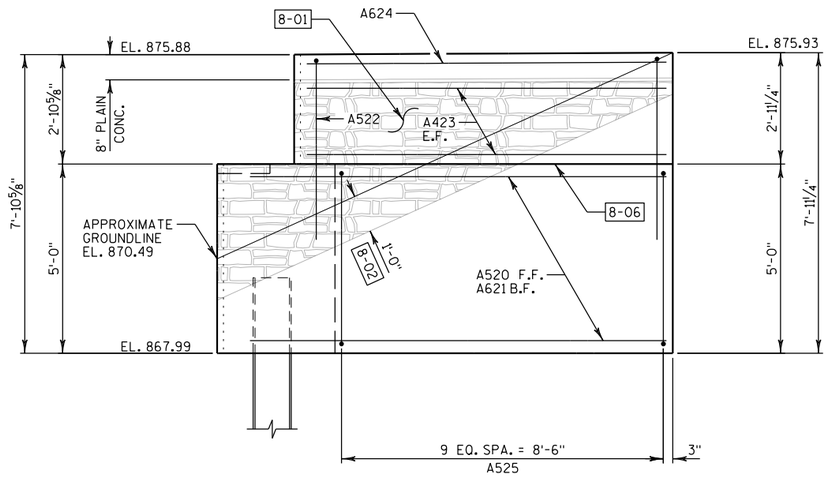
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PLOT DATE : 8/19/2014

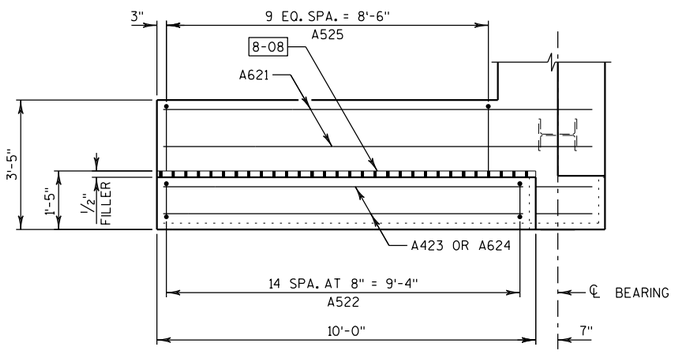
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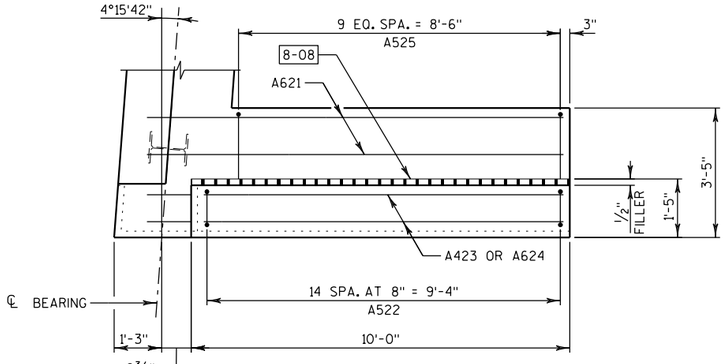
ELEVATION - WING 1



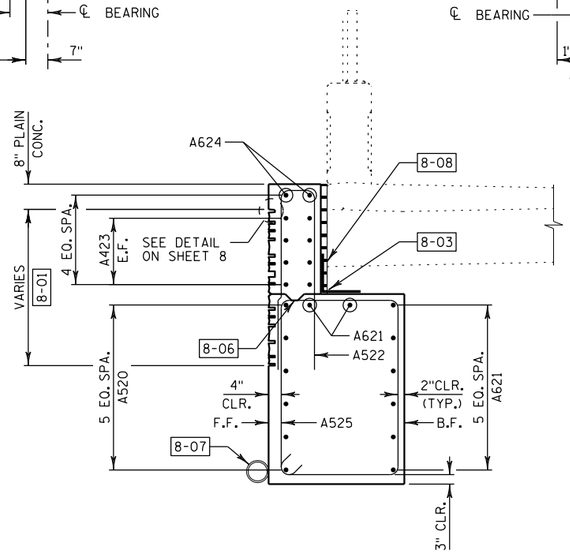
ELEVATION - WING 2



PLAN - WING 1

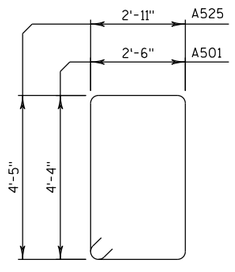


PLAN - WING 2

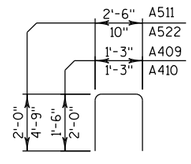


SECTION THRU WING 1

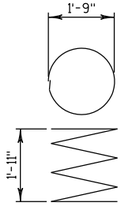
(WING 2 SIMILAR)



A501, A525



A409, A410, A511, A522



A412

STATE PROJECT NUMBER

5310-02-70

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
NON-COATED BARS						TOTAL WEIGHT = 6,200 LBS
A501	114	14'-4"	X		ABUTMENT BODY - STIRRUPS	VERT.
A602	11	49'-2"			ABUTMENT BODY - BF & FF	HORIZ.
A603	11	46'-6"			ABUTMENT BODY - BF & FF	HORIZ.
A804	7	51'-3"			ABUTMENT BODY - BF	HORIZ.
A805	7	46'-6"			ABUTMENT BODY - BF	HORIZ.
A406	6	25'-3"			ABUTMENT BODY - TOP	HORIZ.
A407	2	45'-0"			ABUTMENT BODY - TOP	HORIZ.
A408	12	13'-0"			ABUTMENT BODY - TOP	HORIZ.
A409	92	4'-1"	X		ABUTMENT BODY - TOP	VERT.
A410	28	5'-1"	X		ABUTMENT BODY - TOP	VERT.
A511	28	6'-3"	X		ABUTMENT BODY - TOP	VERT.
A412	13	28'-0"	X		PILES	VERT.
A413	26	2'-3"			PILES	VERT.
COATED BARS						TOTAL WEIGHT = 1,210 LBS
A520	12	11'-6"			WINGS - FF	HORIZ.
A621	16	10'-11"			WINGS - BF & TOP	HORIZ.
A522	30	10'-1"	X		WINGS	VERT.
A423	16	9'-6"			WINGS - BF & FF	HORIZ.
A624	4	9'-8"			WINGS - TOP	HORIZ.
A525	20	15'-4"	X		WINGS - STIRRUPS	VERT.

THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.

NOTES:

SEE SHEET 8 FOR LEGEND AND ADDITIONAL INFORMATION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

WEST ABUTMENT DETAILS

SHEET 5 OF 16

8

8

FILE NAME : C:±Users±Home±Google Drive±TKB Projects±Bridge±B-13±B-13-799±Cad±B-13-799_05-Wabut details.dgn

PLOT DATE : 8/19/2014

PLOT SCALE : 2.00000 '/ ft.

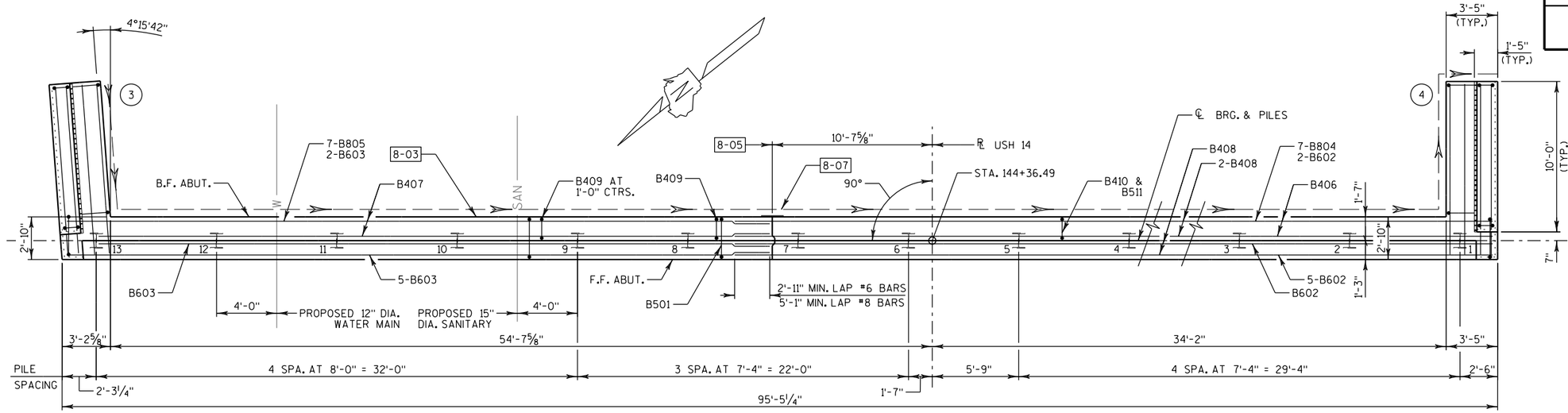
STATE PROJECT NUMBER

5310-02-70

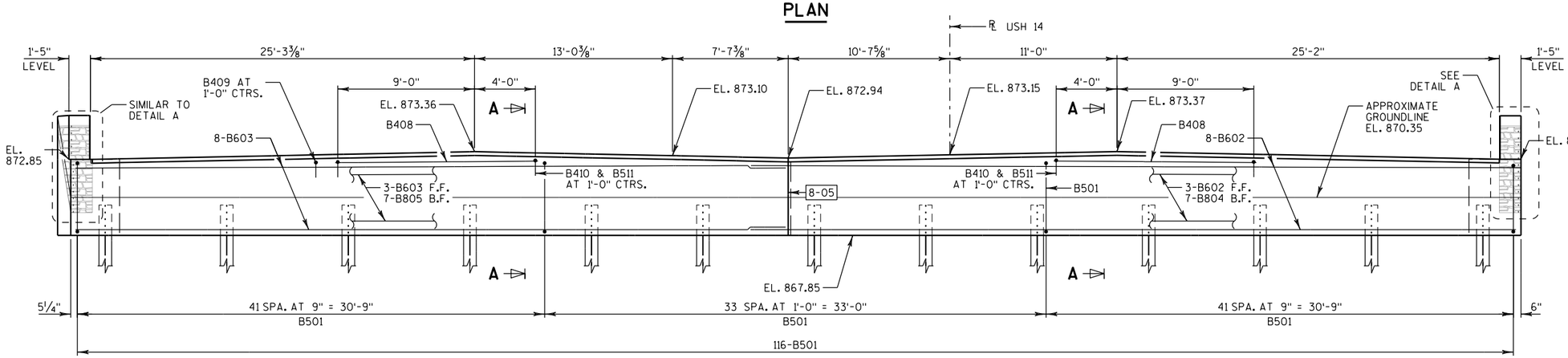
NOTES:

EAST ABUTMENT TO BE SUPPORTED ON HP 12-INCH X 53 LB STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 120 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 60'LONG.

SEE SHEET 8 FOR LEGEND AND ADDITIONAL INFORMATION.

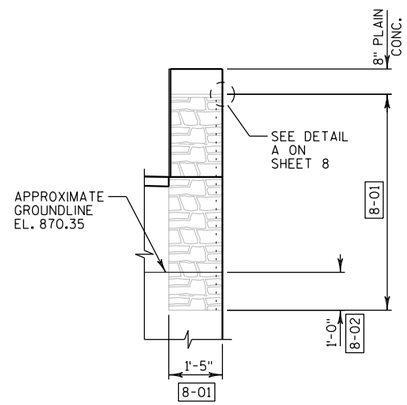


PLAN

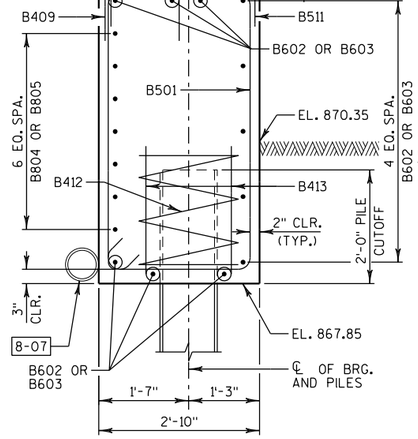


ELEVATION

(LOOKING EAST)
B406 & B407 BARS NOT SHOWN FOR CLARITY



DETAIL A



SECTION A-A

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

EAST ABUTMENT

SHEET 6 OF 16

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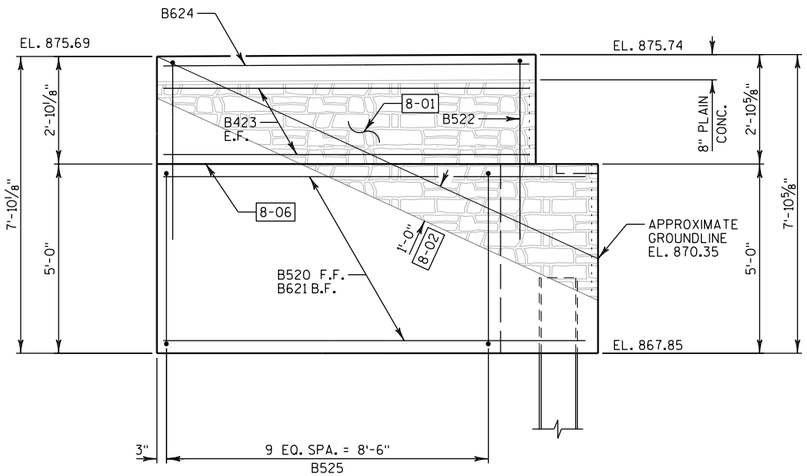
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8

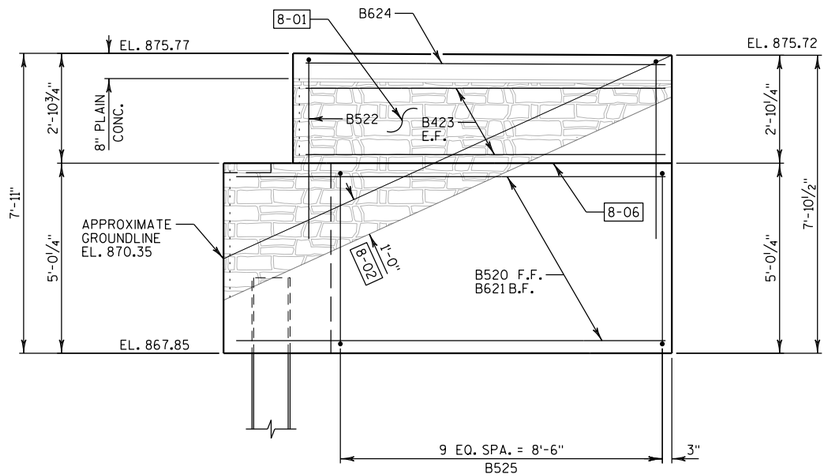
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PLOT DATE : 8/19/2014

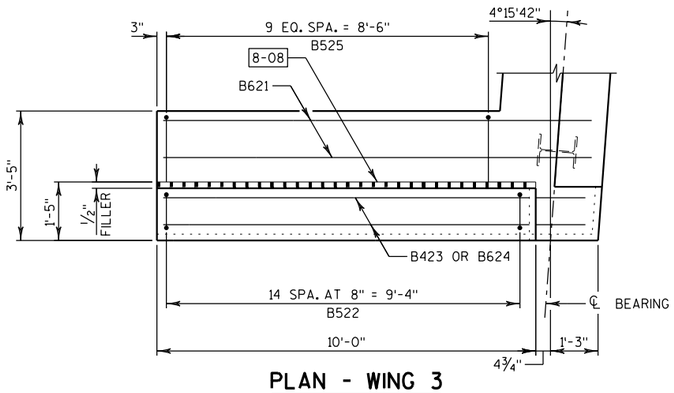
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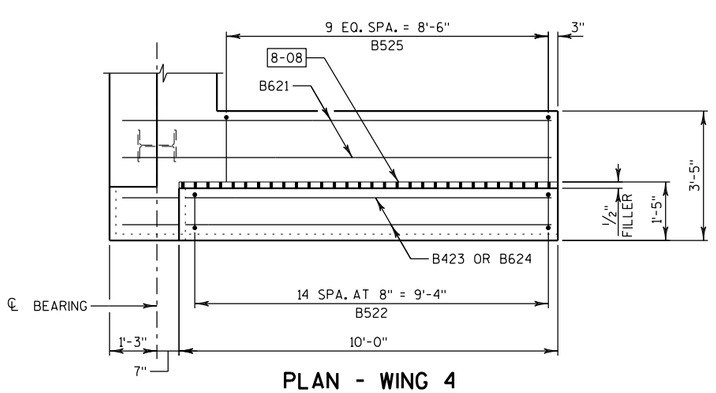
ELEVATION - WING 3



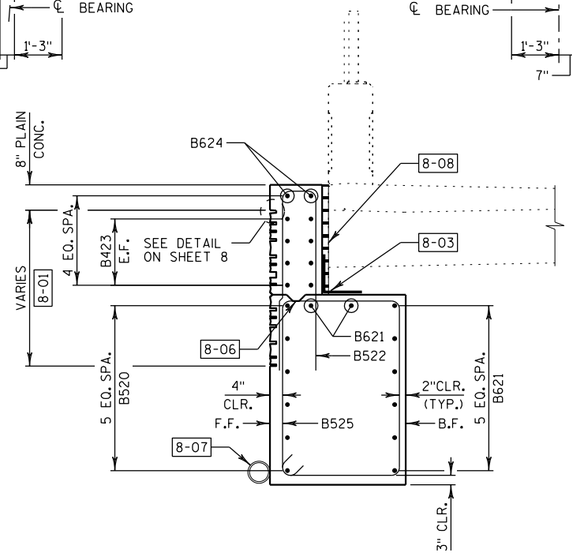
ELEVATION - WING 4



PLAN - WING 3

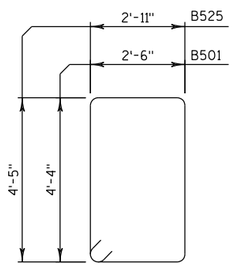


PLAN - WING 4

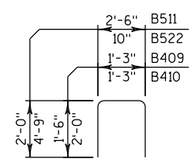


SECTION THRU WING 3

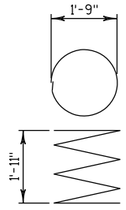
(WING 4 SIMILAR)



B501, B525



B409, B410, B511, B522



B412

STATE PROJECT NUMBER

5310-02-70

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
NON-COATED BARS						TOTAL WEIGHT = 6,270 LBS
B501	116	14'-4"	X		ABUTMENT BODY - STIRRUPS	VERT.
B602	11	51'-0"			ABUTMENT BODY - BF & FF	HORIZ.
B603	11	46'-6"			ABUTMENT BODY - BF & FF	HORIZ.
B804	7	53'-2"			ABUTMENT BODY - BF	HORIZ.
B805	7	46'-6"			ABUTMENT BODY - BF	HORIZ.
B406	4	26'-2"			ABUTMENT BODY - TOP	HORIZ.
B407	4	23'-10"			ABUTMENT BODY - TOP	HORIZ.
B408	12	13'-0"			ABUTMENT BODY - TOP	HORIZ.
B409	95	4'-1"	X		ABUTMENT BODY - TOP	VERT.
B410	28	5'-1"	X		ABUTMENT BODY - TOP	VERT.
B511	28	6'-3"	X		ABUTMENT BODY - TOP	VERT.
B412	13	28'-0"	X		PILES	VERT.
B413	26	2'-3"			PILES	VERT.
COATED BARS						TOTAL WEIGHT = 1,210 LBS
A520	12	11'-6"			WINGS - FF	HORIZ.
A621	16	10'-11"			WINGS - BF & TOP	HORIZ.
A522	30	10'-1"	X		WINGS	VERT.
A423	16	9'-6"			WINGS - BF & FF	HORIZ.
A624	4	9'-8"			WINGS - TOP	HORIZ.
A525	20	15'-4"	X		WINGS - STIRRUPS	VERT.

THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.

NOTES:

SEE SHEET 8 FOR LEGEND AND ADDITIONAL INFORMATION.

NO.	DATE	REVISION	BY

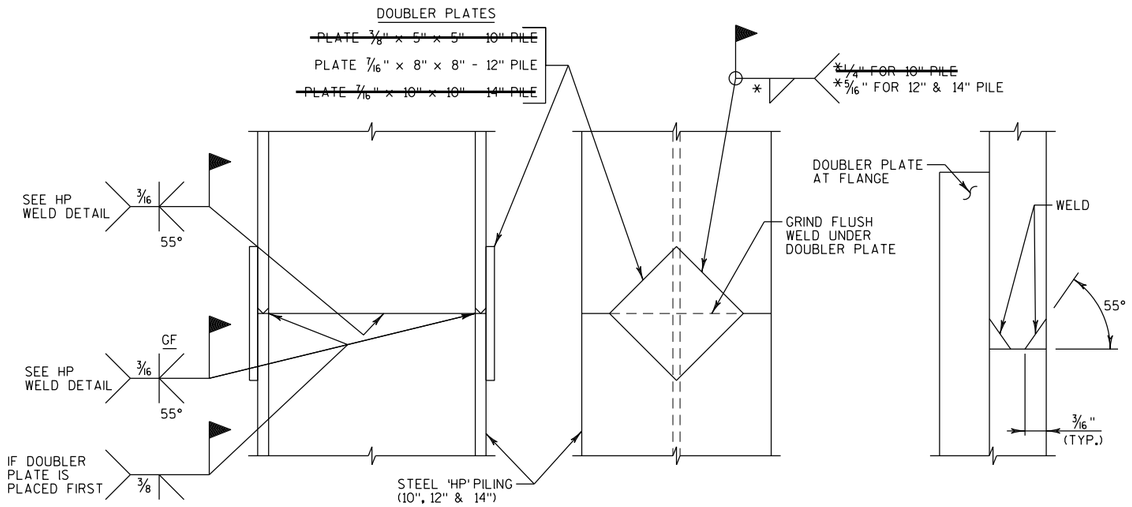
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

EAST ABUTMENT DETAILS

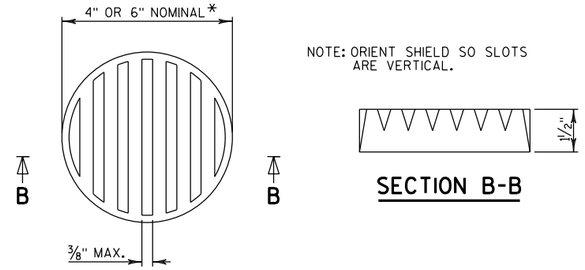
SHEET 7 OF 16



STEEL 'HP' SHAPES

STEEL 'HP' SHAPES

FLANGE SHOWN, WEB SIMILAR



SECTION B-B

(1) RODENT SHIELD DETAIL

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

(1) THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS. THE RODENT SHIELD SHALL BE INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH."

STATE PROJECT NUMBER

5310-02-70

NOTES AND LEGEND:

8-01 ARCHITECTURAL SURFACE TREATMENT, RUSTIC ASHLAR PATTERN WITH 2" MAXIMUM RELIEF AND 1" PLAIN CONCRETE BORDER. STAIN ALL SURFACES RECEIVING ARCHITECTURAL SURFACE TREATMENT MEDIUM TAN (FEDERAL COLOR #33446).

FORMLINER COURSING ON ABUTMENTS AND WINGS SHALL BE LEVEL.

THE FORMLINER COURSING ON THE WINGS SHALL BE VERTICALLY ALIGNED WITH THE FORMLINER COURSING ON THE FRONT OF THE ABUTMENT.

THE FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS.

WRAPAROUND / MATCH FORMLINER PATTERN AT CORNERS.

8-02 FORMLINER MIN. 1'-0" BELOW FINISHED GROUND LINE.

8-03 18" RUBBERIZED MEMBRANE WATERPROOFING (RMW). SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.

8-04 STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

8-05 VERTICAL CONSTRUCTION JOINT KEYWAY FORMED BY BEVELED 2" x 8". DEFINE BY 3/4" "V" GROOVE ON FRONT FACE. SEAL WITH 18" RMW ON BACK FACE. AN ALTERNATE CONSTRUCTION JOINT MAY BE USED. SEE DETAIL ON THIS SHEET.

8-06 OPTIONAL KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X 6" KEYWAY. PROVIDE RMW ON BACK FACE IF CONST. JOINT IS USED.

8-07 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON THIS SHEET.

8-08 1/2" FILLER - EXTEND FROM BOTTOM OF APPROACH SLAB TO TOP OF WING. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). COLOR TO MATCH ADJACENT CONCRETE COLOR.

8-09 4" x 3/4" FILLER ALONG LENGTH OF ABUTMENT.

(X) INDICATES WING NUMBER.

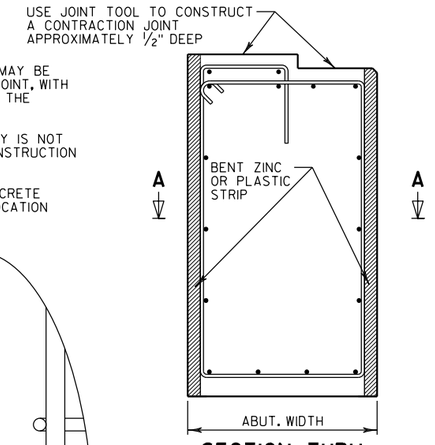
F.F. - DENOTES FRONT FACE
B.F. - DENOTES BACK FACE
E.F. - DENOTES EACH FACE

NOTES:

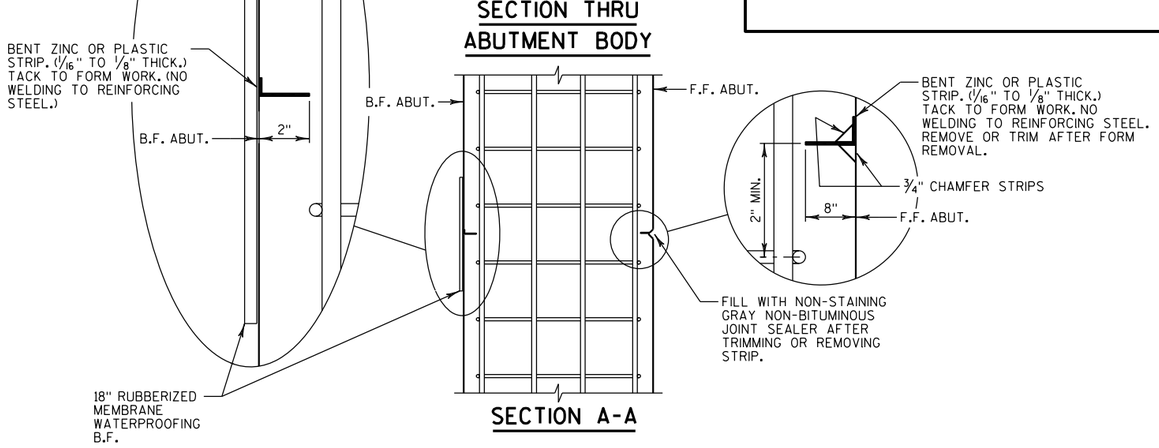
PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

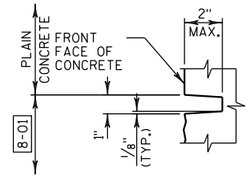


SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT



DETAIL A

(1" PLAIN BORDER)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

ABUTMENT DETAILS

SHEET 8 OF 16

450

8

8

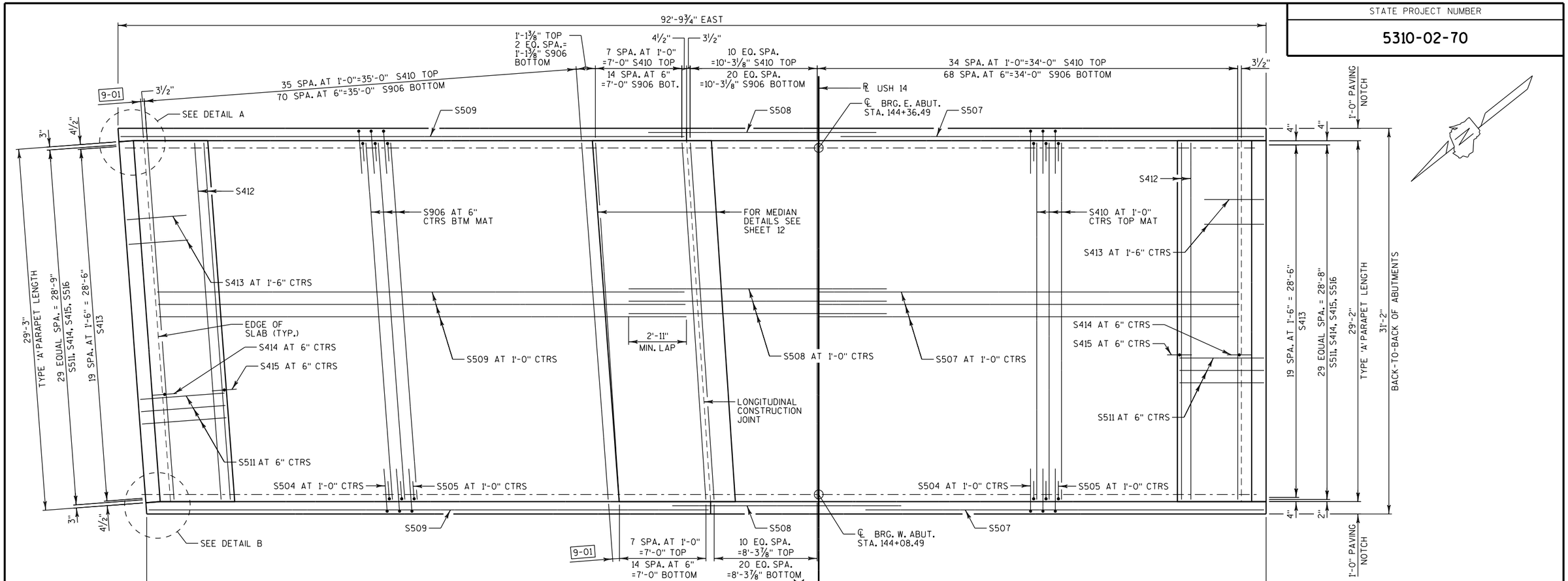
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PLOT DATE : 7/25/2014

PLOT SCALE : 2.00000 '/ ft.

STATE PROJECT NUMBER

5310-02-70



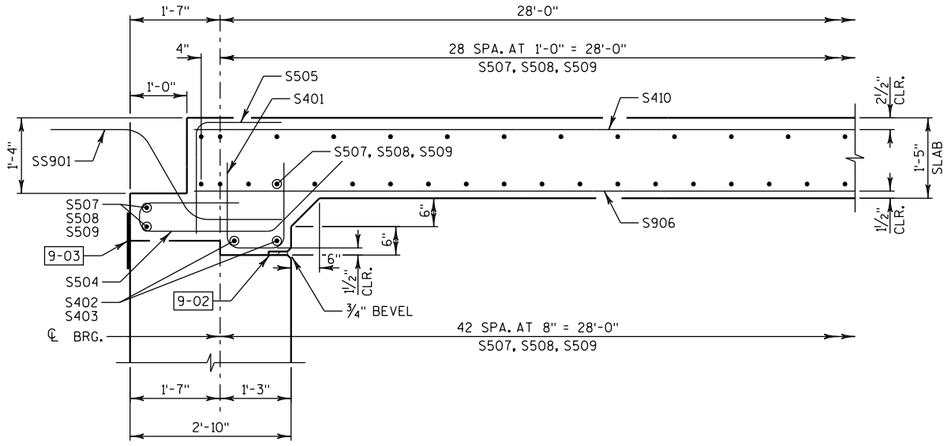
REINFORCEMENT PLAN

LEGEND:

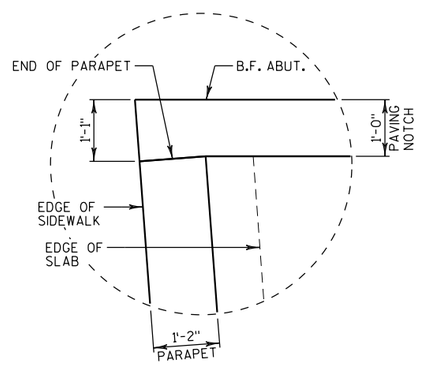
9-01 DIMENSIONS PERPENDICULAR TO NORTH EDGE.

9-02 4" × ¾" FILLER ALONG LENGTH OF ABUTMENT.

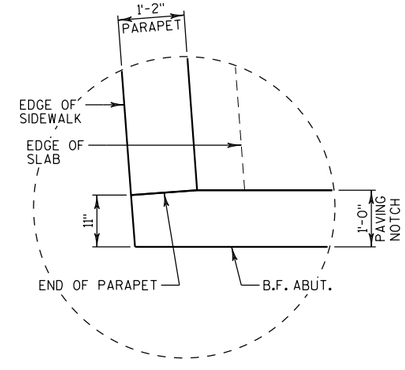
9-03 18" RUBBERIZED MEMBRANE WATERPROOFING (RMW).



PARTIAL LONGITUDINAL SECTION



DETAIL A



DETAIL B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

SUPERSTRUCTURE

SHEET 9 OF 16

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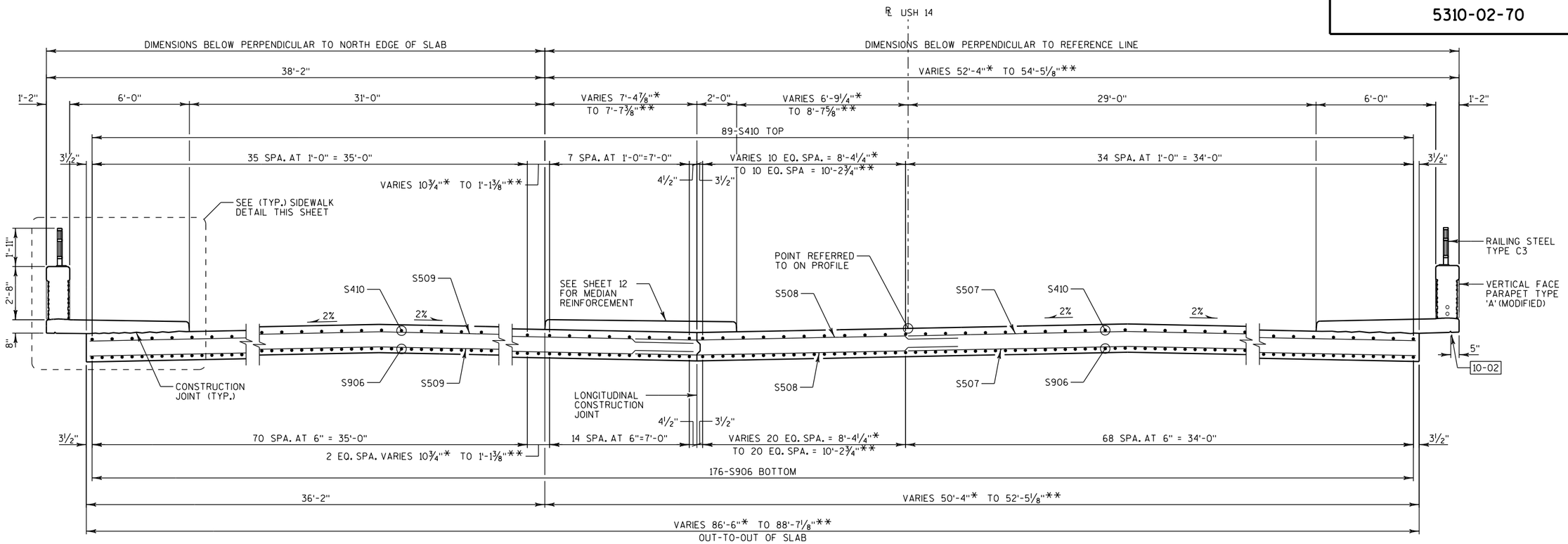
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PLOT SCALE : 2.00000 '/ ft.

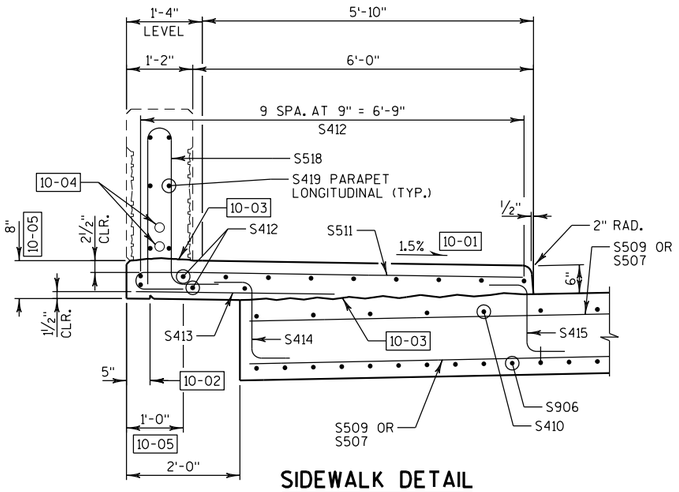
STATE PROJECT NUMBER

5310-02-70

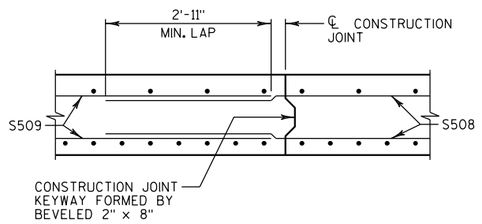


TYPICAL SECTION THRU SLAB

* WEST END
** EAST END
(LOOKING EAST)



SIDEWALK DETAIL



LONGITUDINAL CONSTRUCTION JOINT DETAIL

LEGEND:

10-01 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

10-02 ¾" CONTINUOUS DRIP GROOVE. END 3" FROM FACE OF ABUTMENT DIAPHRAGMS.

10-03 CONST. JOINT-STRIKE OFF AS SHOWN AND LEAVE ROUGH. FOR DECK POUR, MATCH BRIDGE X-SLOPE.

10-04 2" DIA. NON-METALIC CONDUIT IN SOUTH PARAPET ONLY. SEE SHEET 15 FOR DETAILS.

10-05 COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

SUPERSTRUCTURE DETAILS 1

SHEET 10 OF 16

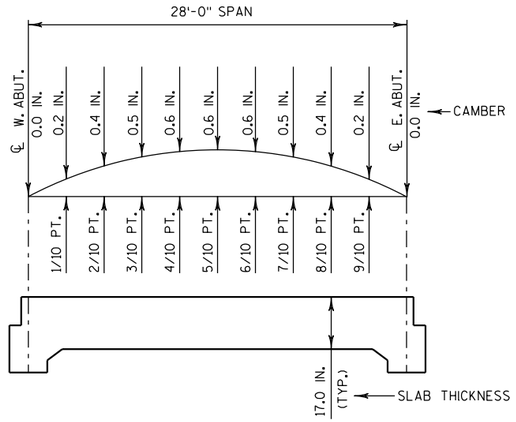
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PLOT DATE : 7/25/2014

PLOT SCALE : 2.00000 '/ ft.

STATE PROJECT NUMBER

5310-02-70



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT. PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

	TOP OF SLAB ELEVATION AT FINAL GRADE
LESS	SLAB THICKNESS
PLUS	CAMBER
PLUS	FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS	TOP OF SLAB FALSEWORK ELEVATION.

TOP OF DECK ELEVATIONS

SPAN POINT	W. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	E. ABUT
STATION	144+08.49	144+11.29	144+14.09	144+16.89	144+19.69	144+22.49	144+25.29	144+28.09	144+30.89	144+33.69	144+36.49
FACE OF N. SDWK CURB	875.30	875.29	875.27	875.26	875.24	875.23	875.22	875.20	875.19	875.17	875.16
CROWN, WB USH 14	875.67	875.65	875.64	875.62	875.61	875.60	875.58	875.57	875.55	875.54	875.53
LONGIT. CONST. JOINT	875.28	875.26	875.25	875.23	875.21	875.19	875.18	875.16	875.14	875.12	875.11
R.L. USH 14	875.46	875.44	875.43	875.42	875.40	875.39	875.37	875.36	875.35	875.33	875.32
CROWN, EB USH 14	875.68	875.66	875.65	875.64	875.62	875.61	875.59	875.58	875.57	875.55	875.54
FACE OF S. SDWK CURB	875.32	875.30	875.29	875.28	875.26	875.25	875.23	875.22	875.21	875.19	875.18

SURVEY TOP OF SLAB ELEVATIONS

SPAN POINT	W. ABUT.	0.5	E. ABUT.
FACE OF N. SDWK CURB			
CROWN, WB USH 14			
LONGIT. CONST. JOINT			
R.L. USH 14			
CROWN, EB USH 14			
FACE OF S. SDWK CURB			

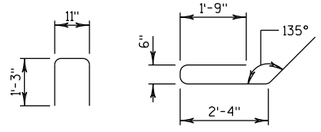
PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF DECK ELEVATIONS AT THE ℄ OF ABUTMENTS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN OR ℞. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

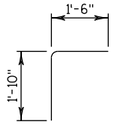
BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
COATED BARS					TOTAL WEIGHT =	31,040 LBS
S401	183	3'-3"	X		SLAB - ABUT. DIAPHRAGMS	VERT.
S402	4	48'-6"			SLAB - ABUT. DIAPHRAGMS	TRANS.
S403	4	45'-6"			SLAB - ABUT. DIAPHRAGMS	TRANS.
S504	91	6'-2"	X		SLAB - ABUT. DIAPHRAGMS	VERT.
S505	91	3'-2"	X		SLAB - ABUT. DIAPHRAGMS	VERT.
S906	176	28'-10"			SLAB - BOTTOM	LONGIT.
S507	80	36'-0"			SLAB - TOP & BOTTOM	TRANS.
S508	80	18'-8"			SLAB - TOP & BOTTOM	TRANS.
S509	80	43'-6"			SLAB - TOP & BOTTOM	TRANS.
S410	90	28'-10"			SLAB - TOP	LONGIT.
S511	60	7'-5"	X		SIDEWALK - TOP	TRANS.
S412	26	28'-10"			SIDEWALK - TOP & BOTTOM	LONGIT.
S413	40	3'-6"			SIDEWALK - BOTTOM	TRANS.
S414	116	3'-3"	X		SLAB & SIDEWALK	TRANS.
S415	116	3'-5"	X		SLAB & SIDEWALK	TRANS.
S416	7	28'-10"			MEDIAN	LONGIT.
S417	40	5'-6"			MEDIAN	TRANS.
S518	30	7'-3"	X		SIDEWALK/PARAPET	TRANS.
S419	12	28'-10"			PARAPET	LONGIT.

THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.

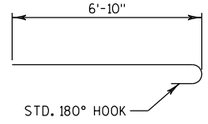


S401

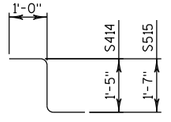
S504



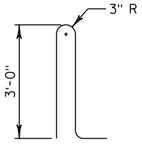
S505



S511



S414, S515



S518

NOTES:

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIAMTELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

SUPERSTRUCTURE DETAILS 2

SHEET 11 OF 16

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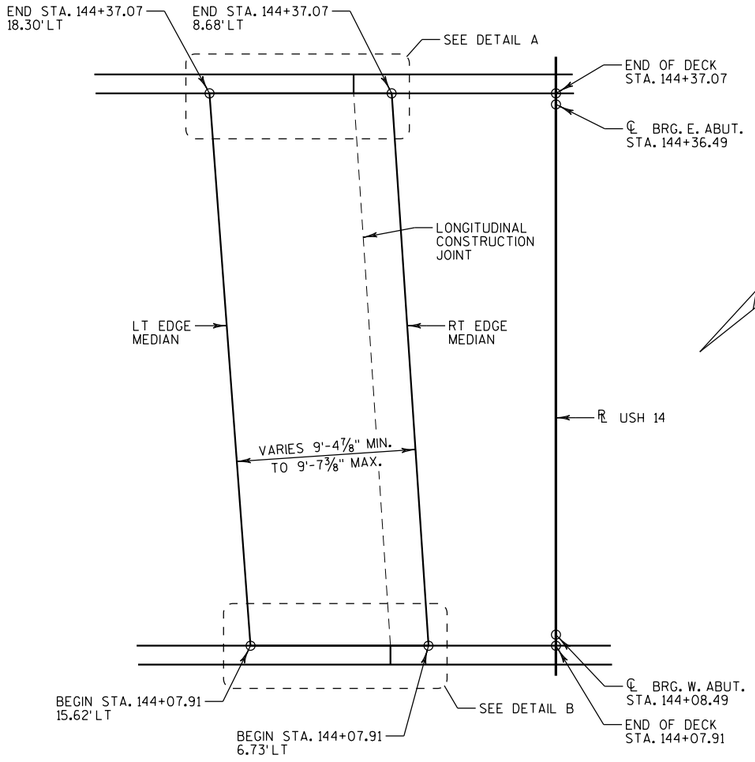
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PLOT DATE : 7/25/2014

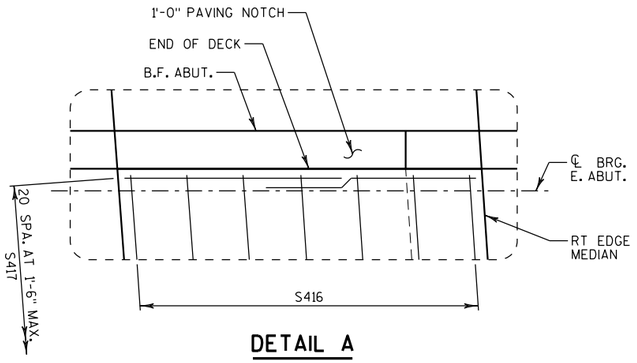
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STATE PROJECT NUMBER

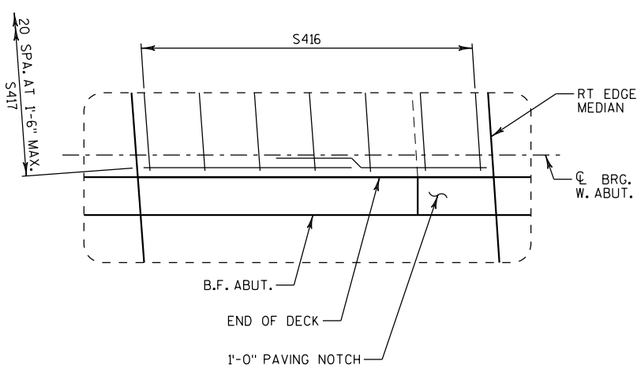
5310-02-70



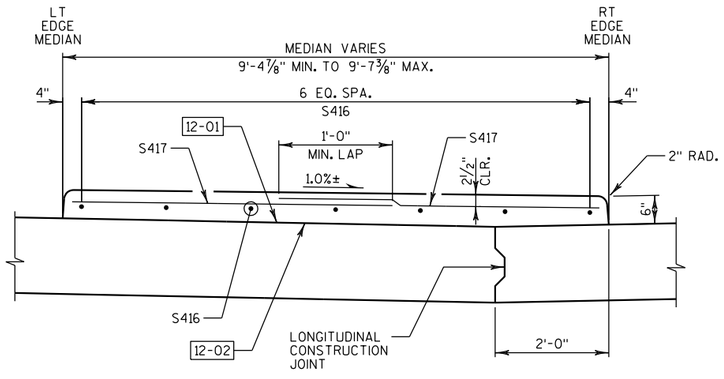
PLAN
(SHOWING MEDIAN)



DETAIL A



DETAIL B



SECTION THRU MEDIAN
(LOOKING EAST)

NOTES:

12-01 ROUGH FLOAT SURFACE OR SAME FINISH AS EXPOSED DECK. DO NOT APPLY PROTECTIVE SURFACE TREATMENT TO THIS AREA.

12-02 CLEAN ALL LOOSE MATERIAL ON THE DECK AT THE MEDIAN LOCATION PRIOR TO MEDIAN PLACEMENT USING HIGH PRESSURE WATER OR AIR, ENSURING ALL FREE-STANDING WATER IS REMOVED PRIOR TO MEDIAN PLACEMENT. NEAT CEMENT IS REQUIRED AS PER 509.3.9.2 OF THE STANDARD SPECIFICATIONS UNLESS THE MEDIAN IS POURED WITHIN 45 DAYS OF COMPLETING THE DECK POUR.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

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MEDIAN DETAILS

SHEET 12 OF 16

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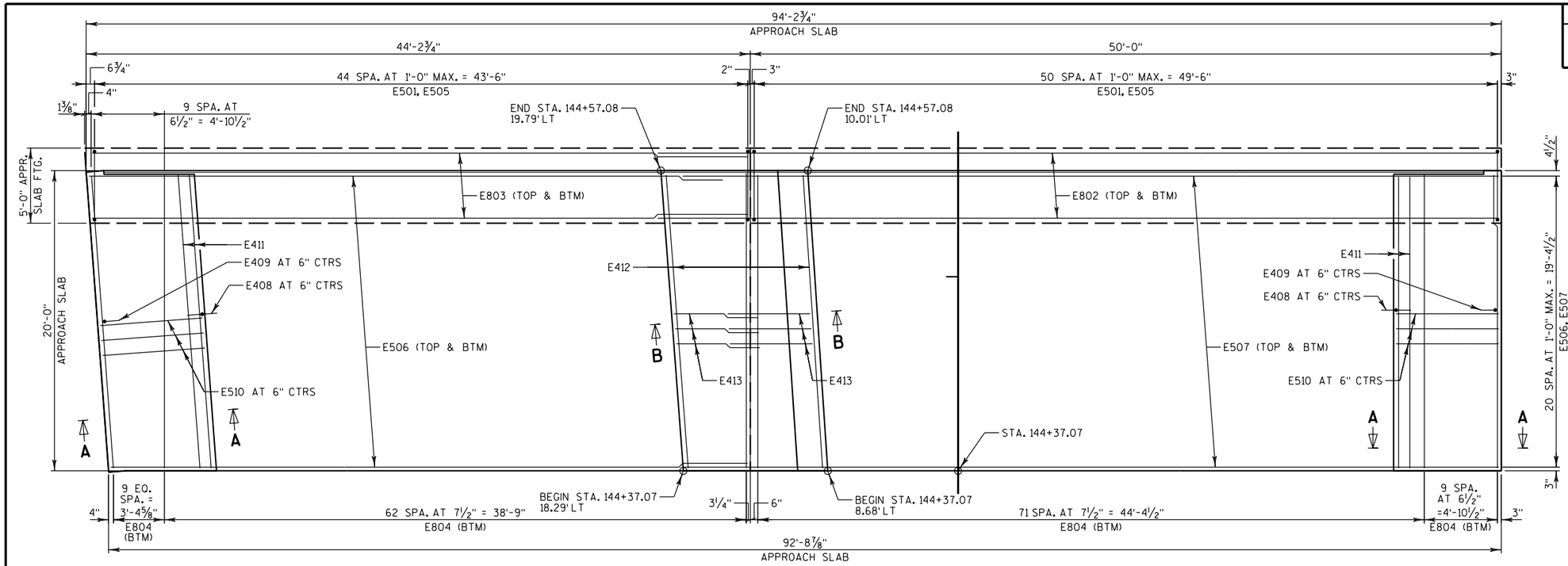
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PLOT DATE : 7/1/2014

PLOT SCALE : 2.00000 '/ ft.

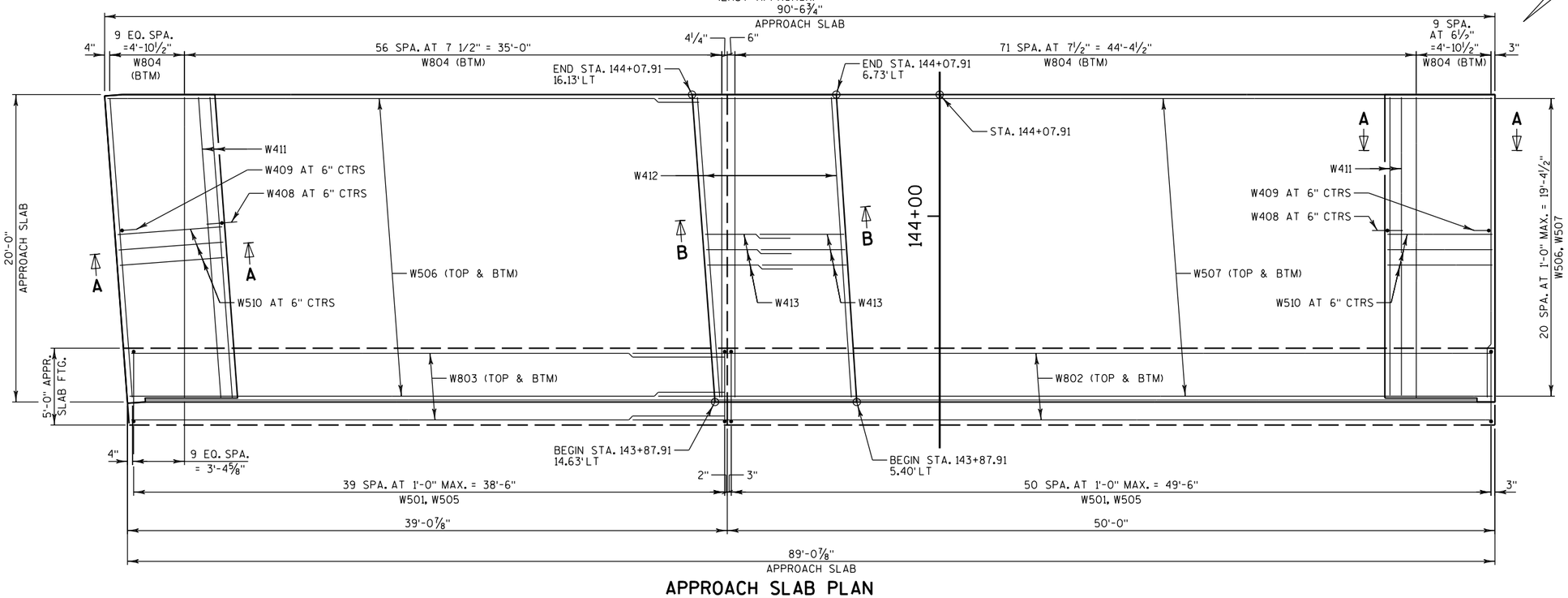
STATE PROJECT NUMBER

5310-02-70



APPROACH SLAB PLAN

(EAST APPROACH)



APPROACH SLAB PLAN

(WEST APPROACH)

DESIGN DATA:

ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F
CONCRETE STRENGTH f'c: 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, fy: 60,000 P.S.I.

NOTE:

SEE SHEET 14 FOR SECTION A-A & SECTION B-B.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

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STRUCTURAL APPROACH SLAB

SHEET 13 OF 16

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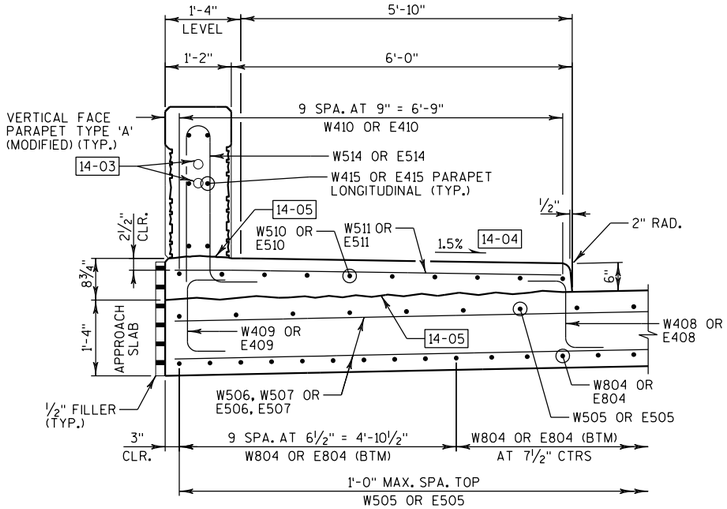
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PLOT DATE : 7/25/2014

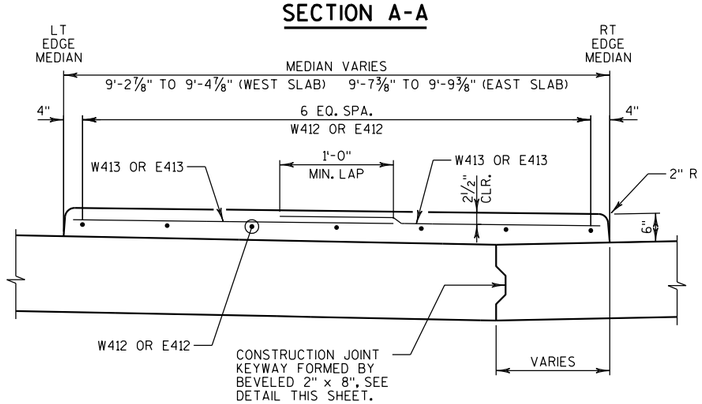
PLOT SCALE : 2.00000 '/ ft.

STATE PROJECT NUMBER

5310-02-70

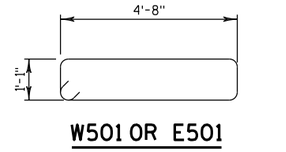


SECTION A-A

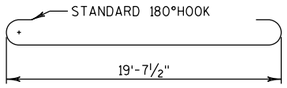


SECTION B-B

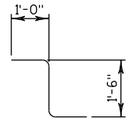
(LOOKING EAST)



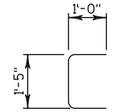
W501 OR E501



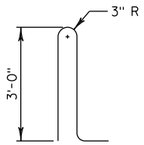
W804 OR E804



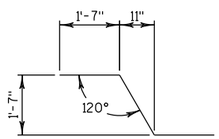
W408 OR E408



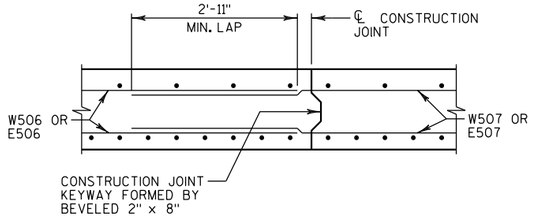
W409 OR E409



W514 OR E514



SS901



LONGITUDINAL CONSTRUCTION JOINT DETAIL

NOTES AND LEGEND:

14-01 BELOW THE APPROACH SLAB FOOTING AND STRUCTURAL APPROACH SLAB USE BASE AGGREGATE DENSE 1¼" TO LIMITS SHOWN.

14-02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

14-03 2" DIA. NON-METALIC CONDUIT IN SOUTH PARAPET ONLY. SEE SHEET 15 FOR DETAILS.

14-04 SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

14-05 CONST. JOINT-STRIKE OFF AS SHOWN AND LEAVE ROUGH. FOR SLAB POUR, MATCH BRIDGE APPROACH SLAB X-SLOPE.

14-06 ¾" COMPRESSIBLE FILLER 4" x LENGTH OF PAVING NOTCH.

14-07 WEIGHT INCLUDED IN "BAR STEEL REINFORCEMENT HS COATED BRIDGES" UNDER ABUTMENT QUANTITIES.

POLYETHYLENE SHEETS ARE INCIDENTAL TO "CONCRETE MASONRY BRIDGES".

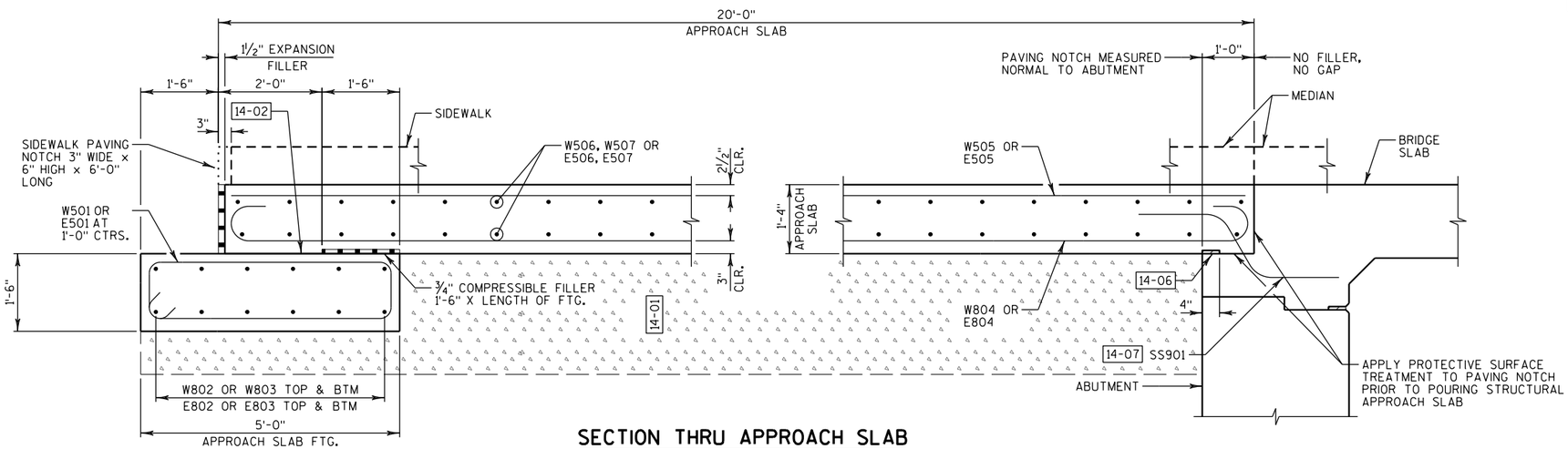
ALL STRUCTURAL APPROACH SLAB CONCRETE PAID FOR UNDER "CONCRETE MASONRY BRIDGES".

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
WEST APPROACH - COATED BARS					TOTAL WEIGHT = 19,590 LBS	
W501	91	12'-2"	X		FOOTING STIRRUPS	TRANS.
W802	12	55'-11"			FOOTING - TOP & BTM	LONGIT.
W803	12	38'-9"			FOOTING - TOP & BTM	LONGIT.
W804	147	19'-6"	X		APPROACH SLAB - BTM	LONGIT.
W505	91	19'-6"			APPROACH SLAB - TOP	LONGIT.
W506	42	38'-9"			APPROACH SLAB - TOP & BTM	TRANS.
W507	42	54'-3"			APPROACH SLAB - TOP & BTM	TRANS.
W408	76	3'-4"	X		APPROACH SLAB - SDWK	TRANS.
W409	76	3'-3"	X		APPROACH SLAB - SDWK	TRANS.
W410	76	6'-10"			APPROACH SLAB - SDWK TOP	TRANS.
W511	20	19'-6"			APPROACH SLAB - SDWK TOP	LONGIT.
W412	7	19'-8"			APPROACH SLAB - MEDIAN	LONGIT.
W413	28	5'-4"			APPROACH SLAB - MEDIAN	TRANS.
W514	48	7'-3"	X		APPROACH SLAB - SDWK & PPT	TRANS.
W415	12	19'-8"			APPROACH SLAB - PARAPETS	LONGIT.
WEST APPROACH - STAINLESS BARS					TOTAL WEIGHT = 1,550 LBS	
SS901	91	5'-0"	X		PAVING NOTCH	TRANS.
EAST APPROACH - COATED BARS					TOTAL WEIGHT = 20,600 LBS	
E501	96	12'-2"	X		FOOTING STIRRUPS	TRANS.
E802	12	55'-11"			FOOTING - TOP & BTM	LONGIT.
E803	12	43'-9"			FOOTING - TOP & BTM	LONGIT.
E804	153	19'-6"	X		APPROACH SLAB - BTM	LONGIT.
E505	96	19'-6"			APPROACH SLAB - TOP	LONGIT.
E506	42	42'-6"			APPROACH SLAB - TOP & BTM	TRANS.
E507	42	54'-4"			APPROACH SLAB - TOP & BTM	TRANS.
E408	76	3'-4"	X		APPROACH SLAB - SDWK	TRANS.
E409	76	3'-3"	X		APPROACH SLAB - SDWK	TRANS.
E410	76	6'-10"			APPROACH SLAB - SDWK TOP	TRANS.
E511	20	19'-6"			APPROACH SLAB - SDWK TOP	LONGIT.
E412	7	19'-8"			APPROACH SLAB - MEDIAN	LONGIT.
E413	28	5'-4"			APPROACH SLAB - MEDIAN	TRANS.
E514	48	7'-3"	X		APPROACH SLAB - SDWK & PPT	TRANS.
E415	12	19'-8"			APPROACH SLAB - PARAPETS	LONGIT.
EAST APPROACH - STAINLESS BARS					TOTAL WEIGHT = 1,590 LBS	
SS901	93	5'-0"	X		PAVING NOTCH	TRANS.

THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.



SECTION THRU APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

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STRUCTURAL APPROACH SLAB DETAILS

SHEET 14 OF 16

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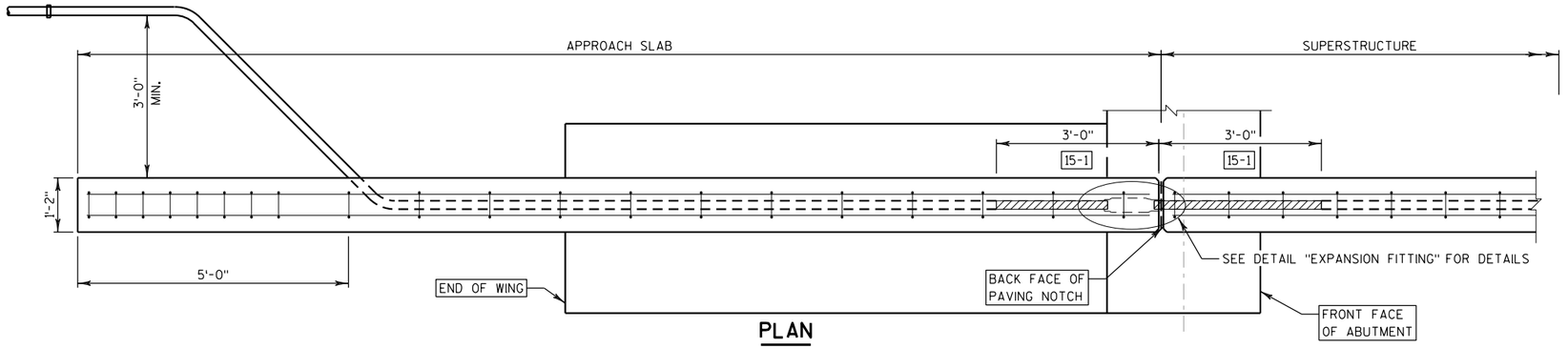
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PLOT DATE : 8/17/2014

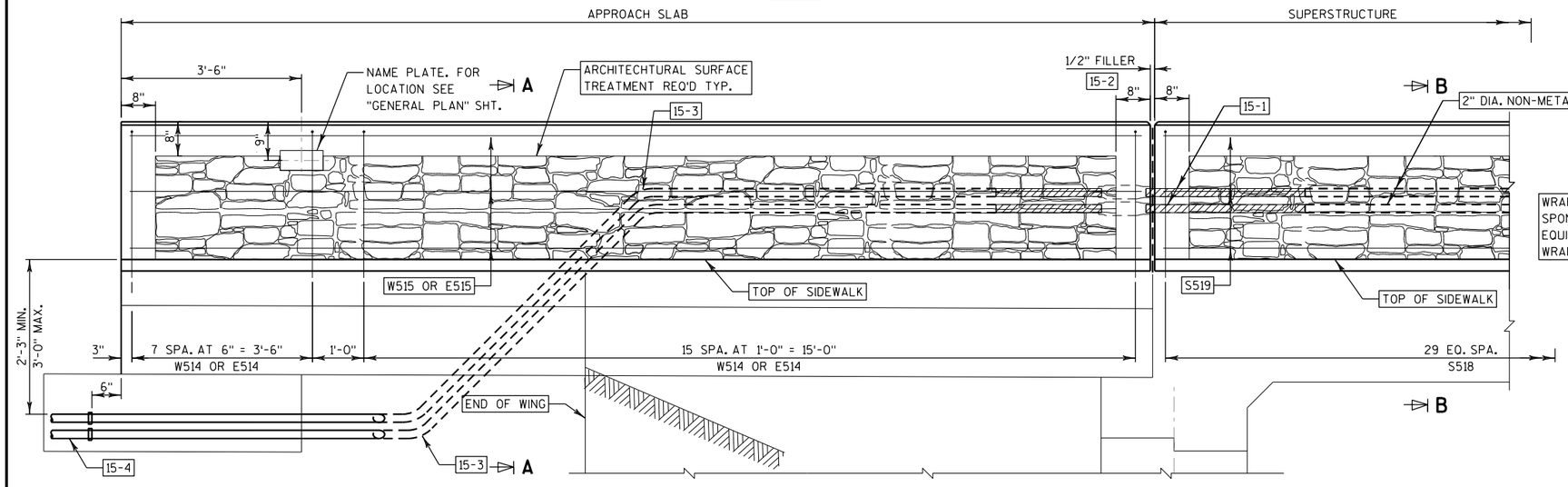
PLOT SCALE : 2.00000 '/ ft.

STATE PROJECT NUMBER

5310-02-70



PLAN



ELEVATION OF PARAPET

NOTES AND LEGEND:

15-1 USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING.

15-2 CUT OUT ½" FILLER FOR CONDUIT AND BONDING JUMPER

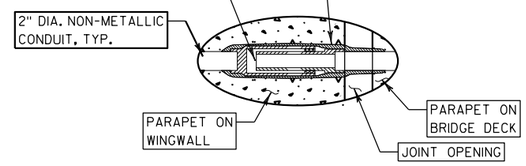
15-3 45° BEND IN 2" DIA. RIGID NON-METALLIC CONDUIT (USE MINIMUM BENDING RADIUS PER WISCONSIN ELECTRIC CODE).

15-4 CONTINUE RIGID METALLIC CONDUIT TO FIRST PULL BOX OFF OF STRUCTURE (BY OTHERS).

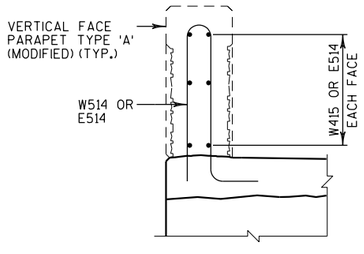
15-5 ARCHITECTURAL SURFACE TREATMENT, RUSTIC ASHLAR PATTERN WITH 2" MAXIMUM RELIEF AND 1" PLAIN CONCRETE BORDER. STAIN ALL SURFACES RECEIVING ARCHITECTURAL SURFACE TREATMENT MEDIUM TAN (FEDERAL COLOR #33446).

15-6 ARCHITECTURAL SURFACE TREATMENT, RUSTIC ASHLAR PATTERN WITH ½" MAXIMUM RELIEF AND ½" PLAIN CONCRETE BORDER. STAIN ALL SURFACES RECEIVING ARCHITECTURAL SURFACE TREATMENT MEDIUM TAN (FEDERAL COLOR #33446).

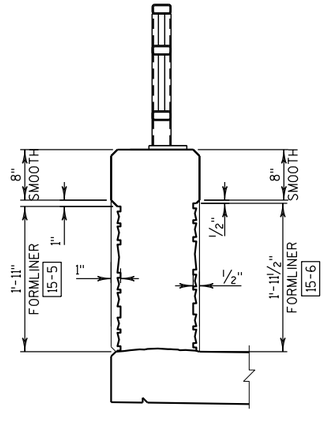
WRAP EXPANSION FITTING WITH SPONGE RUBBER
SPONGE RUBBER WRAP TO BE AASHTO M153 TYPE 1 OR EQUIVALENT. 1"4" MINIMUM THICKNESS. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".



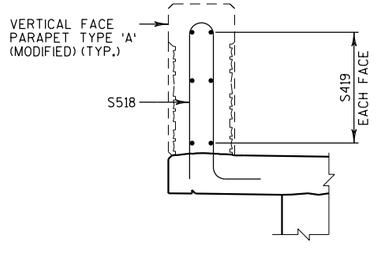
EXPANSION FITTING



SECTION A-A



FORMLINER DETAIL



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

VERTICAL FACE PARAPET TYPE 'A' MODIFIED

SHEET 15 OF 16

457

8

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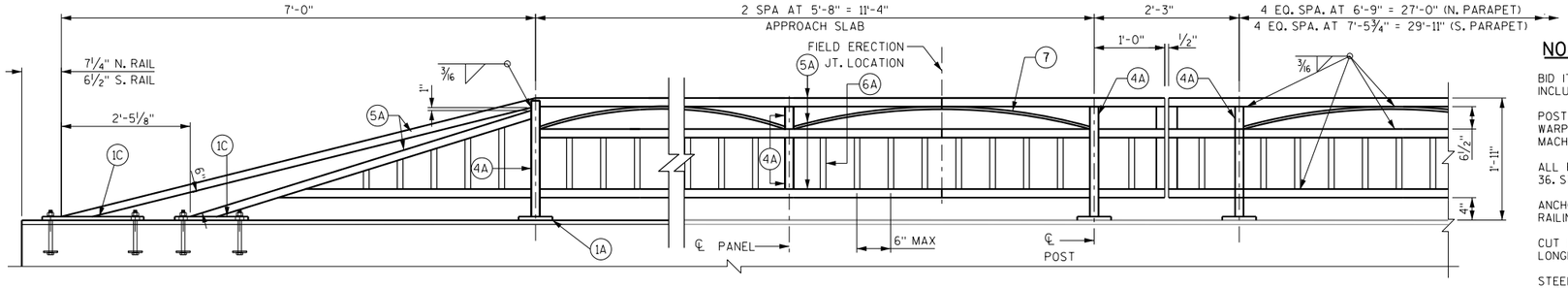
FILE NAME : C:±Users±Home±Google Drive±TKB Projects±Bridge±B-13±B-13-799±Cad±B-13-799_15-parapet.dgn

PLOT DATE : 7/25/2014

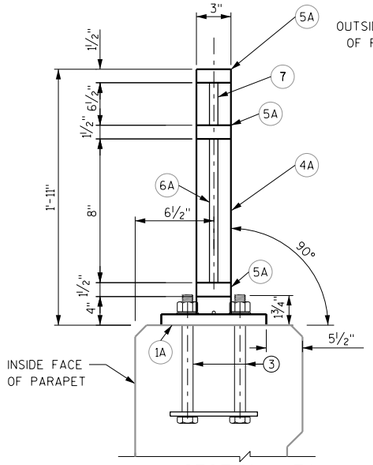
PLOT SCALE : 2.00000 '/ ft.

STATE PROJECT NUMBER

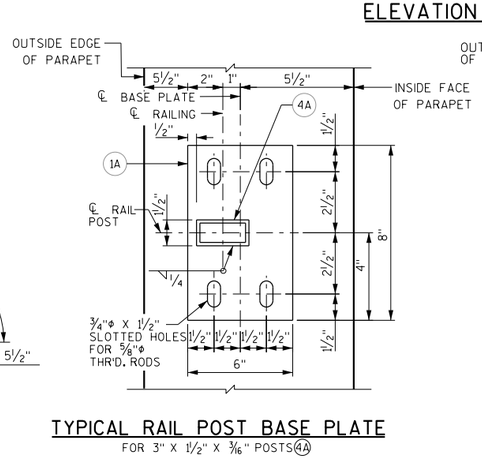
5310-02-70



ELEVATION OF PARAPET

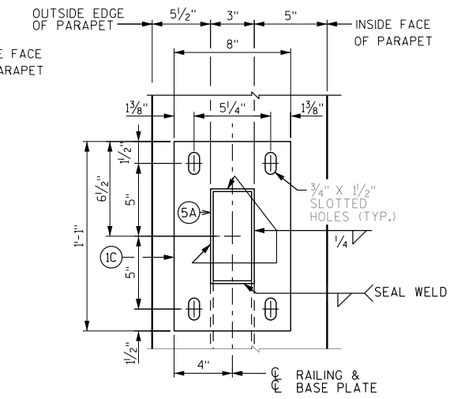


SECTION VIEW



TYPICAL RAIL POST BASE PLATE

FOR 3" X 1½" X ⅜" POSTS (4A)



END RAIL BASE PLATE

FOR 3" X 1½" X ⅜" RAIL (5A)

NOTES

BID ITEM SHALL BE "RAILING STEEL TYPE C3 GALVANIZED B-13-799", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

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

ALL PLATES BARS AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

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

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

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

FILL BOLT SLOT OPENINGS IN SHIMS AND PLATE NO. 1 AND CAULK AROUND PERIMETER OF PLATES NO. 1 & 4 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

VENT HOLES SHALL BE DRILLED IN RAIL MEMBERS AND POSTS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

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

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE "BRIDGE SPECIAL PROVISIONS". THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 27038 (BLACK).

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

LEGEND

(1A) PLATE ⅝" X 6" X 8" WITH ¾" X 1½" SLOTTED HOLES.

(1C) PLATE ⅝" X 8" X 1'-1" WITH ¾" X 1½" SLOTTED HOLES.

(2A) ¼" X 5" X 7" ANCHOR PLATE WITH 11/16 " ϕ HOLES FOR THR'D RODS NO. 3.

(2C) ¼" X 2½" X 7¼" ANCHOR PLATE WITH 11/16 " ϕ HOLES FOR THR'D. RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. (ALTERNATE RAIL POST ANCHORAGE - 4 EQUIV. STAINLESS STEEL CONCRETE MASONRY ANCHORS, TYPE S (EPOXY), ⅝" ϕ, MINIMUM PULLOUT CAPACITY OF 13 KIPS. EMBED A MIN. OF 7" FOR RAIL POSTS.)

(4A) STRUCTURAL TUBING 3" X 1½" X ⅜" POSTS. PLACE VERTICAL. WELD TO NO. 1 & NO. 5.

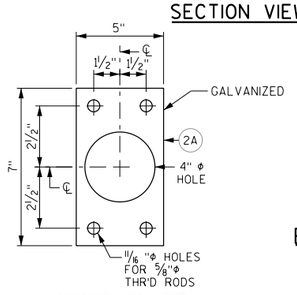
(5A) STRUCTURAL TUBING 3" X 1½" X ⅜" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION AND EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. SPACE AT 6" MAX. ℄ TO ℄ SPACING. PLACE VERTICAL.

(7) BAR 1" X 1", BEND TO REQUIRED RADIUS. WELD TO NO. 4 & 5.

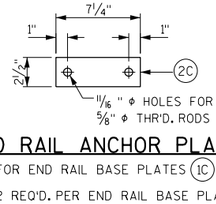
(9A) RECTANGULAR SLEEVE FABRICATED FROM ⅜" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM ⅜" PLATES. (1'-4" @ FIELD ERECTION JTS.)



ANCHOR PLATE

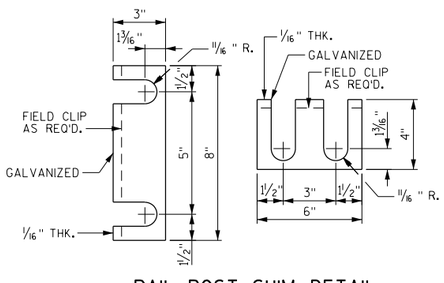
FOR 3" X 1½" X ⅜" POSTS (4A)



END RAIL ANCHOR PLATE

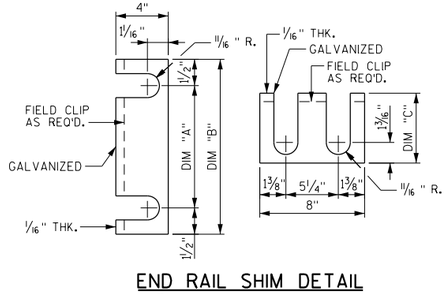
FOR END RAIL BASE PLATES (1C)

2 REQ'D. PER END RAIL BASE PLATE



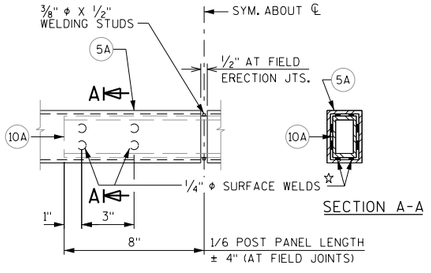
RAIL POST SHIM DETAIL

(2 SETS PER POST)



END RAIL SHIM DETAIL

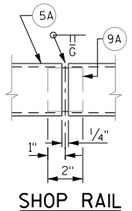
8" X 1'-1" BASE PLATE (1C) DIM "A" = 10", DIM "B" = 1'-1", DIM "C" = 6½"



SECTION A-A

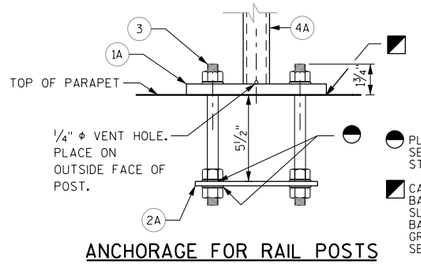
FIELD ERECTION JOINT DETAIL

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



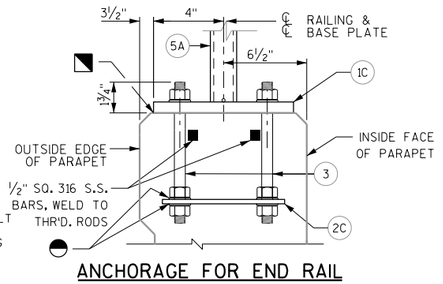
SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



ANCHORAGE FOR RAIL POSTS

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



ANCHORAGE FOR END RAIL

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

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-799

DRAWN BY TKB | PLANS CK'D. ETP

RAILING STEEL TYPE C3

SHEET 16 OF 16

458

8

8

FILE NAME : C:±Users±Home±Google Drive±TKB Projects±Bridge±B-13±B-13-799±Cad±B-13-799_16-rail steel.dgn

PLOT DATE : 8/18/2014

PLOT SCALE : 2.00000 '/ ft.

EARTHWORK TABULATION - USH 14 (STAGE 1) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)		(CY)	(CY)	(CY)	(CY)
104+78.00	82	0	0	0	0	0	0	0
105+00.00	134	3	88	1	2	88	2	86
105+50.00	124	4	239	6	8	327	10	317
106+00.00	142	3	246	6	8	573	18	555
106+09.00	142	3	47	1	1	621	20	601
106+50.00	143	0	216	2	3	837	23	814
106+65.00	182	0	90	0	0	927	23	904
107+00.00	134	0	205	0	0	1,132	23	1,109
107+50.00	113	11	229	10	13	1,361	36	1,325
107+75.00	129	0	112	5	7	1,473	43	1,430
108+00.00	125	0	118	0	0	1,590	43	1,548
108+50.00	146	1	251	1	1	1,841	44	1,797
109+00.00	133	1	258	2	2	2,100	46	2,053
109+36.00	146	1	186	1	2	2,286	48	2,238
109+50.00	139	1	74	1	1	2,359	49	2,311
110+00.00	136	1	255	2	2	2,614	51	2,563
110+41.00	134	1	205	2	2	2,819	53	2,766
110+50.00	134	1	45	0	0	2,864	53	2,810
111+00.00	123	14	238	14	18	3,102	71	3,030
111+50.00	148	3	251	16	20	3,353	92	3,261
112+00.00	148	1	274	4	5	3,627	97	3,530
112+20.00	152	0	111	0	0	3,738	97	3,641
112+50.00	149	0	167	0	0	3,905	97	3,808
112+90.00	145	0	218	0	0	4,123	97	4,026
113+00.00	143	0	53	0	0	4,176	97	4,079
113+25.00	146	0	134	0	0	4,310	97	4,213
113+50.00	141	5	133	2	3	4,443	100	4,343
114+00.00	139	1	259	6	7	4,702	107	4,595
114+25.00	126	0	123	0	1	4,825	108	4,717
114+50.00	125	0	116	0	0	4,941	108	4,833
114+64.00	125	0	65	0	0	5,006	108	4,898
115+00.00	141	1	177	1	1	5,183	109	5,074
115+16.00	147	0	85	0	0	5,268	109	5,159
115+50.00	155	0	190	0	0	5,459	109	5,349
116+00.00	149	0	281	0	0	5,740	109	5,631
116+09.00	149	0	50	0	0	5,790	109	5,680
116+22.00	149	0	72	0	0	5,862	109	5,752
116+50.00	144	1	152	1	1	6,013	110	5,903
117+00.00	144	1	267	2	2	6,280	112	6,168
117+50.00	116	0	241	1	1	6,521	114	6,407
		TOTAL	6,521	87	114			

EARTHWORK TABULATION - USH 14 (STAGE 2) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
117+50.00	116	0	0	0	0	0	0	0
118+00.00	146	2	243	2	2	243	2	240
118+50.00	154	0	278	2	2	520	5	516
118+75.00	150	0	141	0	0	661	5	656
119+00.00	148	0	138	0	0	799	5	794
119+50.00	149	0	275	0	0	1,074	5	1,069
119+69.00	149	0	105	0	0	1,179	5	1,174
119+88.00	157	0	108	0	0	1,287	5	1,282
120+00.00	156	1	70	0	0	1,356	5	1,351
120+34.00	165	0	202	1	1	1,558	6	1,552
120+50.00	136	0	89	0	0	1,647	6	1,642
121+00.00	124	1	241	1	1	1,888	7	1,881
121+50.00	151	0	255	1	1	2,143	8	2,134
122+00.00	158	0	286	0	0	2,429	8	2,421
122+30.00	156	0	174	0	0	2,603	8	2,595
122+50.00	154	0	115	0	0	2,718	8	2,710
122+86.00	161	0	210	0	0	2,928	8	2,920
123+00.00	159	0	83	0	0	3,011	8	3,003
123+06.00	158	0	35	0	0	3,046	8	3,038
123+50.00	158	0	257	0	0	3,304	8	3,295
123+82.00	141	0	177	0	0	3,481	8	3,473
124+00.00	136	0	92	0	0	3,573	8	3,565
124+39.00	163	0	216	0	0	3,789	8	3,781
124+50.00	161	0	66	0	0	3,855	8	3,847
125+00.00	150	0	288	0	0	4,143	8	4,135
125+22.00	152	0	123	0	0	4,266	8	4,258
125+50.00	148	0	156	0	0	4,422	8	4,413
125+84.00	145	0	184	0	0	4,606	8	4,598
126+00.00	144	1	86	0	0	4,692	9	4,683
126+15.00	144	0	80	0	0	4,772	9	4,763
126+42.00	119	0	132	0	0	4,903	9	4,894
126+50.00	120	6	35	1	1	4,939	10	4,928
126+81.00	126	0	141	3	4	5,080	15	5,065
127+00.00	93	0	77	0	0	5,157	15	5,142
127+50.00	96	0	175	0	0	5,332	15	5,317
127+80.00	140	0	131	0	0	5,463	15	5,448
128+00.00	142	0	104	0	0	5,568	15	5,553
128+28.00	141	0	147	0	0	5,714	15	5,700
128+50.00	133	0	112	0	0	5,826	15	5,811
128+83.00	136	0	164	0	0	5,990	15	5,976
128+86.00	135	0	15	0	0	6,005	15	5,991
129+00.00	138	0	71	0	0	6,076	15	6,061
129+19.00	134	0	96	0	0	6,172	15	6,157
129+50.00	134	0	154	0	0	6,326	15	6,311
129+65.00	130	0	73	0	0	6,399	15	6,384
129+70.00	119	0	23	0	0	6,422	15	6,407
130+00.00	119	0	132	0	0	6,554	15	6,540
130+50.00	96	2	199	2	2	6,753	17	6,736
130+71.00	90	2	72	2	2	6,826	19	6,807
		TOTAL	6,826	15	19			

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***All quantities shown are associated with Category 0010 unless otherwise noted**

EARTHWORK TABULATION - USH 14 (STAGE 3) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
139+50.00	89	0	0	0	0	0	0	0
140+00.00	120	24	194	22	29	194	29	165
140+50.00	154	13	254	34	45	447	73	374
141+00.00	174	14	304	25	33	751	106	645
141+45.00	193	9	306	19	25	1,057	131	926
141+50.00	198	7	36	1	2	1,093	133	960
142+00.00	184	7	354	13	17	1,447	150	1,297
142+50.00	185	14	342	19	25	1,788	175	1,613
143+00.00	172	2	331	15	19	2,119	194	1,925
143+22.00	175	1	141	1	2	2,260	196	2,065
143+50.00	156	15	172	8	11	2,432	207	2,225
143+88.00	157	11	220	18	24	2,652	230	2,422
144+57.00	194	3	0	0	0	2,652	230	2,422
145+00.00	193	7	308	8	10	2,960	241	2,720
145+50.00	197	4	361	10	13	3,321	254	3,068
146+00.00	223	2	389	6	7	3,710	261	3,449
		TOTAL	3,710	201	261			

EARTHWORK TABULATION - USH 14 (STAGE 4) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
130+71.00	90	2	0	0	0	0	0	0
130+86.00	92	0	51	1	1	51	1	50
131+00.00	106	1	51	0	0	102	1	101
131+20.00	117	0	83	0	0	184	2	183
131+35.00	112	0	64	0	0	248	2	247
131+50.00	107	0	61	0	0	309	2	307
131+60.00	111	0	40	0	0	349	2	348
131+84.00	100	0	94	0	0	443	2	442
132+00.00	122	0	66	0	0	509	2	507
132+30.00	97	0	122	0	0	631	2	629
132+50.00	84	0	67	0	0	698	2	696
133+00.00	103	1	173	1	1	871	3	868
133+40.00	109	0	157	1	1	1,028	4	1,024
133+50.00	110	0	41	0	0	1,068	4	1,065
134+00.00	94	0	189	0	0	1,257	4	1,253
134+50.00	99	0	179	0	0	1,436	4	1,432
134+57.00	100	0	26	0	0	1,462	4	1,458
134+91.00	108	0	131	0	0	1,593	4	1,589
135+00.00	108	0	36	0	0	1,629	4	1,625
135+21.00	102	0	82	0	0	1,710	4	1,707
135+41.00	100	0	75	0	0	1,785	4	1,781
135+50.00	100	0	33	0	0	1,818	4	1,815
135+84.00	102	0	127	0	0	1,946	4	1,942
136+00.00	103	1	61	0	0	2,006	4	2,002
136+14.00	101	0	53	0	0	2,059	4	2,055
136+33.00	97	0	70	0	0	2,129	4	2,125
136+43.00	97	0	36	0	0	2,165	4	2,160
136+50.00	98	1	25	0	0	2,190	5	2,186
137+00.00	91	0	175	1	1	2,365	6	2,359
137+36.00	83	0	116	0	0	2,481	6	2,475
137+50.00	97	0	47	0	0	2,528	6	2,522
137+67.00	111	0	65	0	0	2,593	6	2,587
137+72.00	115	0	21	0	0	2,614	6	2,608
138+00.00	112	0	118	0	0	2,732	6	2,726
138+50.00	117	0	212	0	0	2,944	6	2,938
138+62.00	119	0	52	0	0	2,996	6	2,991
139+00.00	122	0	170	0	0	3,166	6	3,160
139+50.00	89	0	195	0	0	3,361	6	3,356
		TOTAL	3,361	4	6			

***All quantities shown are associated with Category 0010 unless otherwise noted**

EARTHWORK TABULATION - USH 14 (STAGE 5 - EAST END TEMPORARY WIDENING) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	INCREMENTAL VOLUME EXP FILL	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
154+50.00	86	1	0	0	0	0	0	0
155+00.00	68	5	143	6	7	143	7	135
155+50.00	56	1	115	6	7	257	14	243
156+00.00	40	0	89	1	1	346	16	331
156+50.00	29	0	64	0	0	410	16	395
157+00.00	23	0	48	0	0	458	16	443
157+50.00	19	0	39	0	0	497	16	482
158+00.00	18	0	34	0	0	531	16	516
158+50.00	17	0	32	0	0	564	16	548
159+00.00	19	0	33	0	0	597	16	582
159+50.00	28	0	44	0	0	641	16	625
160+00.00	36	1	59	1	1	700	17	683
160+50.00	41	21	71	20	26	771	43	728
161+00.00	41	29	76	46	60	847	104	744
161+50.00	40	44	75	68	88	922	191	731
162+00.00	29	10	64	50	65	986	256	730
162+50.00	20	4	45	13	17	1,031	273	758
163+00.00	15	0	32	4	5	1,064	278	786
163+50.00	11	12	24	11	14	1,088	293	795
164+00.00	11	8	20	19	24	1,108	317	792
164+50.00	13	1	22	8	11	1,131	327	803
165+00.00	11	5	22	6	7	1,153	335	818
165+50.00	11	0	20	5	6	1,173	341	833
166+00.00	11	0	20	0	0	1,194	341	853
166+50.00	11	11	20	10	13	1,214	354	860
167+00.00	12	0	21	10	13	1,235	367	868
167+50.00	16	3	26	3	4	1,261	371	890
168+00.00	21	5	34	7	10	1,295	380	915
168+50.00	27	3	44	7	10	1,340	390	950
169+00.00	32	5	55	7	10	1,394	400	995
169+50.00	33	10	60	14	18	1,455	418	1,037
170+00.00	35	12	63	20	26	1,518	444	1,073
170+50.00	32	14	62	24	31	1,580	475	1,104
171+00.00	29	17	56	29	37	1,636	513	1,123
171+50.00	27	26	52	40	52	1,688	565	1,123
172+00.00	24	8	47	31	41	1,735	605	1,130
172+50.00	14	0	35	7	10	1,770	615	1,155
172+75.00	9	0	11	0	0	1,781	615	1,166
		TOTAL	1,781	473	615			

EARTHWORK TABULATION - USH 14 (STAGE 5) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
146+00.00	223	2	0	0	0	0	0	0
146+50.00	199	3	391	5	6	391	6	385
147+00.00	173	0	344	3	4	735	10	726
147+50.00	171	0	319	0	0	1,054	10	1,044
148+00.00	72	1	225	1	1	1,279	11	1,268
148+50.00	70	1	131	2	2	1,410	13	1,397
149+00.00	184	14	235	14	18	1,645	31	1,614
149+48.00	194	16	336	27	35	1,981	66	1,915
149+50.00	195	16	14	1	2	1,996	68	1,928
150+00.00	218	10	382	24	31	2,378	99	2,279
150+37.00	246	2	318	8	11	2,696	109	2,587
150+50.00	262	3	122	1	2	2,818	111	2,707
151+00.00	275	0	497	3	4	3,316	115	3,201
151+14.00	325	0	156	0	0	3,471	115	3,357
151+50.00	322	0	431	0	0	3,903	115	3,788
151+57.00	312	0	82	0	0	3,985	115	3,870
152+00.00	287	2	477	2	2	4,462	117	4,345
152+22.00	292	3	236	2	3	4,698	119	4,578
152+50.00	294	3	304	3	4	5,001	123	4,878
152+58.00	296	3	87	1	1	5,089	125	4,964
153+00.00	225	14	405	13	17	5,494	142	5,352
153+50.00	206	17	399	29	37	5,893	179	5,714
154+00.00	246	29	419	43	55	6,312	234	6,077
154+50.00	123	8	342	34	45	6,653	279	6,374
155+00.00	113	15	219	21	28	6,872	307	6,565
155+50.00	151	4	244	18	23	7,116	330	6,787
156+00.00	160	1	288	5	6	7,404	336	7,069
156+45.00	160	1	267	2	2	7,671	338	7,333
156+50.00	160	1	30	0	0	7,701	338	7,363
157+00.00	151	2	288	3	4	7,989	342	7,647
157+50.00	139	3	269	5	6	8,257	348	7,909
158+00.00	133	4	252	6	8	8,509	356	8,153
158+50.00	123	3	237	6	8	8,746	364	8,381
159+00.00	105	51	211	50	65	8,957	429	8,528
159+50.00	120	3	208	50	65	9,165	494	8,671
160+00.00	186	3	283	6	7	9,449	502	8,947
160+50.00	216	9	372	11	14	9,821	516	9,305
161+00.00	280	3	459	11	14	10,280	531	9,750
161+50.00	341	3	575	6	7	10,855	538	10,317
162+00.00	399	17	685	19	24	11,540	562	10,978
162+50.00	402	11	742	26	34	12,282	596	11,686
163+00.00	385	4	729	14	18	13,011	614	12,397
163+50.00	367	2	696	6	7	13,707	621	13,086
164+00.00	315	5	631	6	8	14,339	629	13,709
164+50.00	232	13	506	17	22	14,845	651	14,194
165+00.00	220	13	419	24	31	15,264	682	14,581
165+50.00	187	36	377	45	59	15,640	741	14,899
165+80.00	172	80	199	64	84	15,840	825	15,015
166+00.00	172	77	127	58	76	15,967	901	15,067
166+50.00	166	20	313	90	117	16,280	1,017	15,263
167+00.00	157	5	299	23	30	16,579	1,047	15,532
167+50.00	174	2	306	6	8	16,886	1,056	15,830
168+00.00	168	0	317	2	2	17,202	1,058	16,144
168+50.00	150	2	294	2	2	17,497	1,061	16,436
169+00.00	147	3	275	5	6	17,772	1,067	16,705
169+50.00	156	1	281	4	5	18,052	1,072	16,981
170+00.00	154	3	287	4	5	18,339	1,076	17,263
170+50.00	78	9	215	11	14	18,554	1,091	17,463
171+00.00	74	11	141	19	24	18,695	1,115	17,580
171+50.00	68	11	131	20	26	18,826	1,141	17,685
172+00.00	46	3	106	13	17	18,932	1,158	17,774
172+50.00	45	0	84	3	4	19,016	1,162	17,854
175+75.00	47	0	43	0	0	19,059	1,162	17,897
			TOTAL	19,059	894	1,162		

***All quantities shown are associated with Category 0010 unless otherwise noted**

EARTHWORK TABULATION - WATER STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+50.00	140	0	0	0	0	0	0	0
10+64.14	125	0	69	0	0	69	0	69
		TOTAL	69	0	0			

EARTHWORK TABULATION - SPRING STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+40.00	107	0	0	0	0	0	0	0
10+48.47	100	0	32	0	0	32	0	32
		TOTAL	32	0	0			

EARTHWORK TABULATION - MAPLE STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+40.00	107	1	0	0	0	0	0	0
10+54.87	98	0	56	0	0	56	0	56
		TOTAL	56	0	0			

EARTHWORK TABULATION - WILSON STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+22.00	149	0	0	0	0	0	0	0
10+50.00	83	0	120	0	0	120	0	120
10+53.79	86	0	12	0	0	132	0	132
		TOTAL	132	0	0			

EARTHWORK TABULATION - MILL STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+16.00	195	0	0	0	0	0	0	0
10+50.00	83	0	175	0	0	175	0	175
10+63.40	76	0	39	0	0	214	0	214
		TOTAL	214	0	0			

EARTHWORK TABULATION - CENTER STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+40.00	113	0	0	0	0	0	0	0
10+48.90	100	0	35	0	0	35	0	35
		TOTAL	35	0	0			

EARTHWORK TABULATION - EAST STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
8+17.00	83	6	0	0	0	0	0	0
8+50.00	100	1	112	4	6	112	6	106
9+00.00	99	1	184	2	2	296	8	288
9+50.00	92	2	177	3	4	473	12	461
10+50.00	97	0	0	0	0	473	12	461
10+56.38	94	0	23	0	0	496	12	484
		TOTAL	496	9	12			

EARTHWORK TABULATION - HICKORY STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+40.00	107	0	0	0	0	0	0	0
10+50.46	95	0	39	0	0	39	0	39
		TOTAL	39	0	0			

EARTHWORK TABULATION - LAGOON STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+63.00	171	0	0	0	0	0	0	0
10+88.23	110	0	131	0	0	131	0	131
11+00.00	106	0	47	0	0	178	0	178
11+20.82	116	0	86	0	0	264	0	264
		TOTAL	264	0	0			

EARTHWORK TABULATION - AMERICAN LEGION DRIVE EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+18.00	132	0	0	0	0	0	0	0
10+50.00	88	1	130	0	1	130	1	130
11+00.00	92	0	167	1	1	297	2	295
11+09.00	90	0	30	0	0	327	2	326
		TOTAL	327	1	2			

***All quantities shown are associated with Category 0010 unless otherwise noted**

EARTHWORK TABULATION - CAESAR STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+17.00	198	0	0	0	0	0	0	0
10+50.00	101	0	183	0	0	183	0	183
11+00.00	86	0	173	0	0	356	0	356
		TOTAL	356	0	0			

EARTHWORK TABULATION - LAGOON STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
24+18.16	81	0	0	0	0	0	0	0
24+30.66	81	8	38	2	2	38	2	35
24+50.00	164	0	88	3	4	125	6	119
24+51.00	167	0	6	0	0	131	6	125
		TOTAL	131	5	6			

EARTHWORK TABULATION - EULALIA STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+54.00	236	0	0	0	0	0	0	0
10+97.57	108	0	278	0	0	278	0	278
		TOTAL	278	0	0			

EARTHWORK TABULATION - GLACIER'S EDGE EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+26.00	285	0	0	0	0	0	0	0
10+50.00	160	0	198	0	0	198	0	198
10+76.58	154	0	155	0	0	352	0	352
		TOTAL	352	0	0			

EARTHWORK TABULATION - JOVINA STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+30.00	177	0	0	0	0	0	0	0
10+50.00	150	0	121	0	0	121	0	121
10+76.66	93	0	120	0	0	241	0	241
		TOTAL	241	0	0			

EARTHWORK TABULATION - VALLEY STREET EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+46.00	287	0	0	0	0	0	0	0
10+50.00	225	0	38	0	0	38	0	38
10+97.20	98	0	282	0	0	320	0	320
		TOTAL	320	0	0			

EARTHWORK TABULATION - CTH P EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
15+52.00	372	0	0	0	0	0	0	0
16+00.00	316	2	612	2	2	612	2	609
16+50.00	191	0	469	2	2	1081	4	1077
17+00.00	158	0	323	0	0	1404	4	1400
17+43.48	140	0	240	0	0	1644	4	1640
		TOTAL	1644	3	4			

EARTHWORK TABULATION - BREWERY ROAD EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME			CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	FILL	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
10+42.00	399	0	0	0	0	0	0	0
10+50.00	291	2	102	0	0	102	0	102
11+00.00	183	0	439	2	3	541	3	538
11+50.00	148	0	306	0	0	848	3	844
11+85.00	137	0	185	0	0	1,032	3	1,029
		TOTAL	848	2	3			

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***All quantities shown are associated with Category 0010 unless otherwise noted**

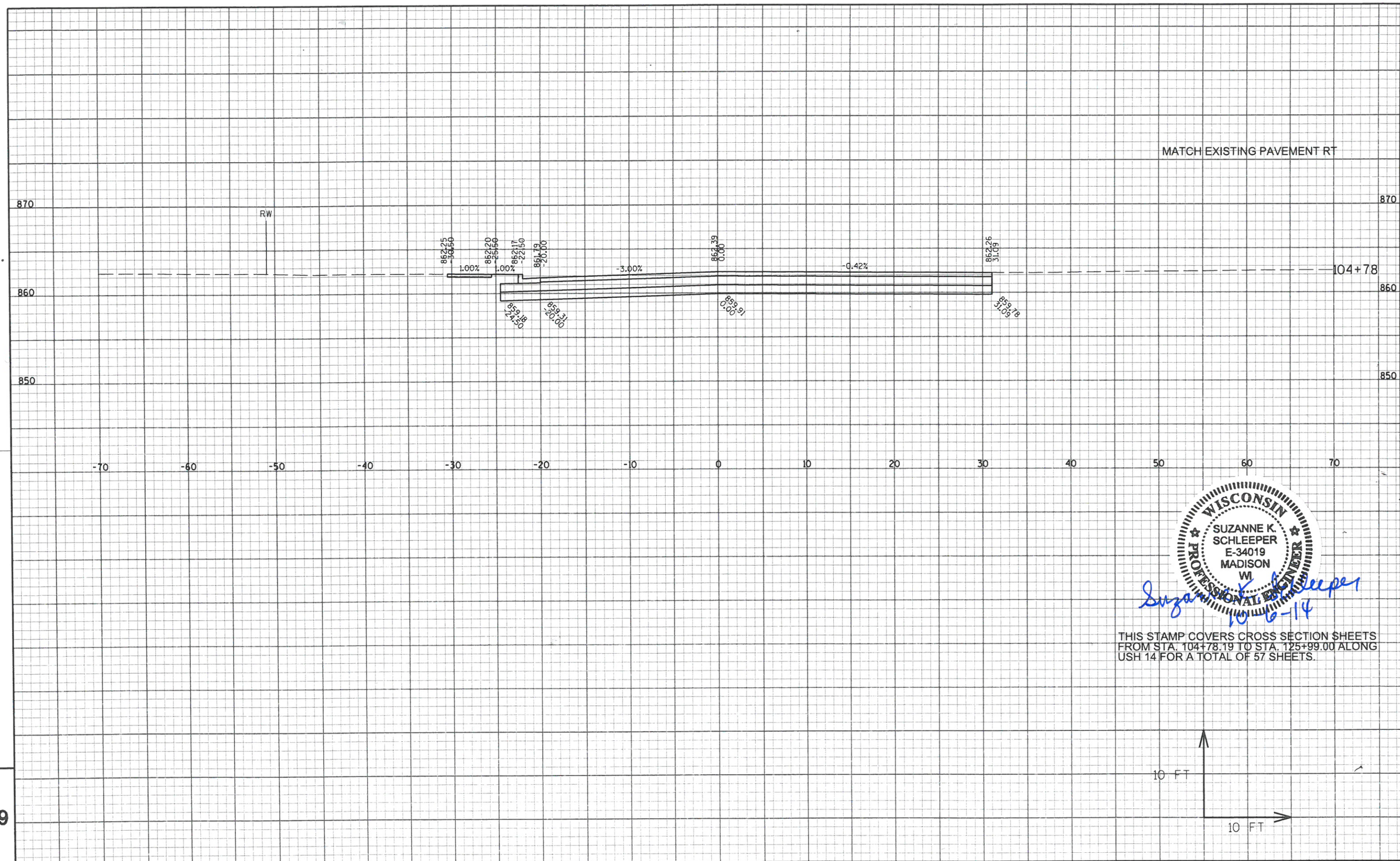
EARTHWORK TABULATION - WESTVIEW COURT EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
10+37.00	464	0	0	0	0	0	0	0
10+50.00	333	0	192	0	0	192	0	192
11+00.00	132	0	431	0	0	622	0	622
11+25.00	122	1	118	0	1	740	1	739
11+40.00	129	1	193	1	1	816	1	815
		TOTAL	933	2	2			

EARTHWORK TABULATION - LAGOON STREET EXPANSION FACTOR = 1.3

CATEGORY 0060 STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME FILL (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
9+75.00	0	155	0	0	0	0	0	0
10+00.00	26	130	12	132	172	12	172	-159
10+50.00	0	186	24	293	380	36	552	-516
11+00.00	27	34	25	204	265	61	817	-756
11+50.00	6	25	31	55	71	92	888	-796
12+00.00	21	2	25	25	33	117	920	-804
12+50.00	8	28	27	28	36	144	956	-813
13+09.00	274	4	308	35	45	452	1,002	-550
13+25.00	242	4	153	2	3	605	1,005	-400
13+50.00	206	8	207	6	7	812	1,012	-200
14+00.00	37	20	225	26	34	1,037	1,046	-9
14+25.00	48	13	39	15	20	1,076	1,066	11
14+50.00	235	31	131	20	26	1,207	1,092	115
15+00.00	38	40	253	66	85	1,460	1,178	282
15+50.00	38	26	70	61	79	1,530	1,257	273
16+00.00	36	30	69	52	67	1,599	1,324	275
16+50.00	28	31	59	56	73	1,658	1,398	260
16+85.00	163	1	124	21	27	1,782	1,425	357
		TOTAL	1,782	1,096	1,425			

***All quantities shown are associated with Category 0010 unless otherwise noted**



WISCONSIN
SUZANNE K. SCHLEEPER
E-34019
MADISON
WI
PROFESSIONAL ENGINEER

Suzanne K. Schleeper
10-6-14

THIS STAMP COVERS CROSS SECTION SHEETS FROM STA. 104+78.19 TO STA. 125+99.00 ALONG USH 14 FOR A TOTAL OF 57 SHEETS.

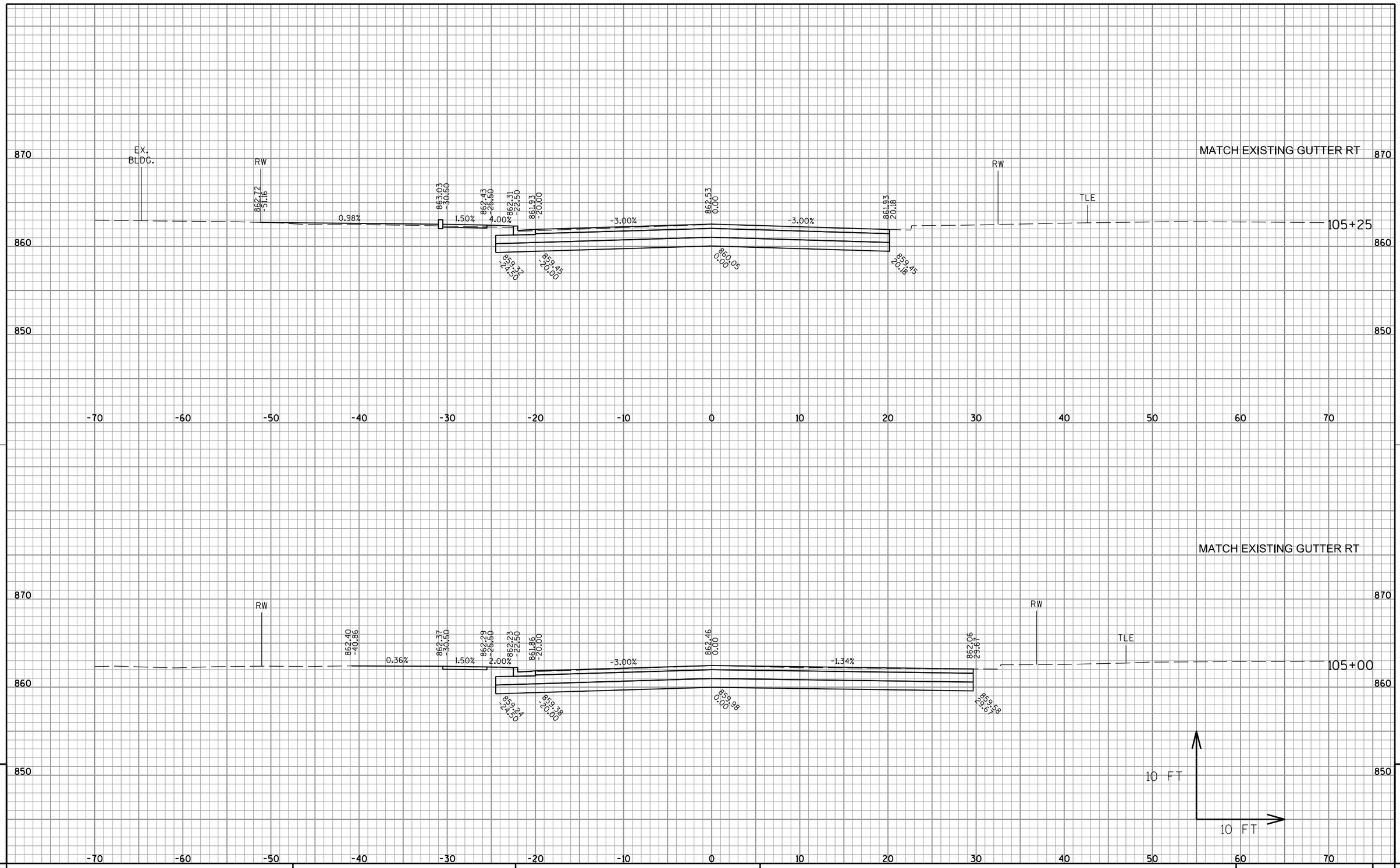
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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

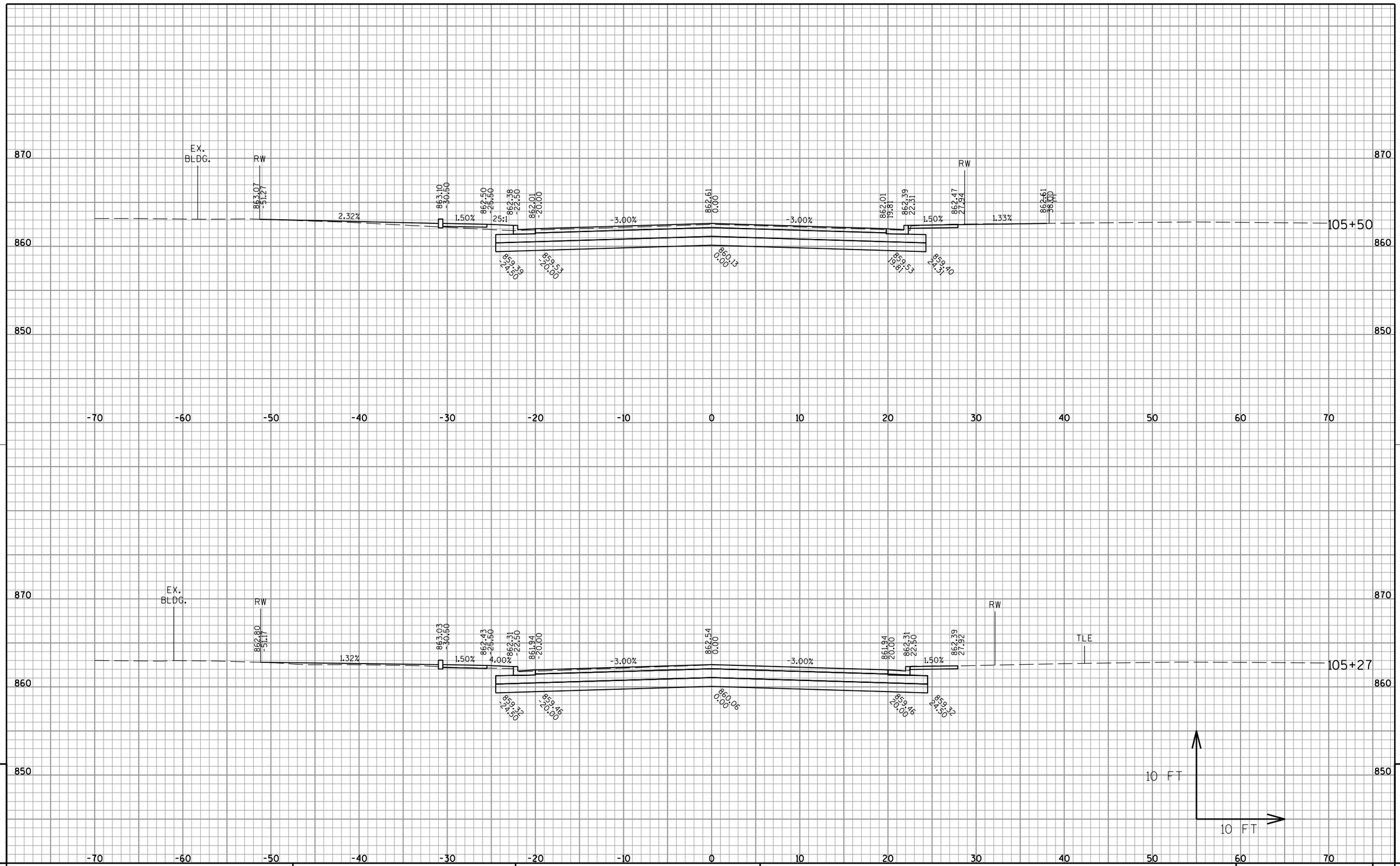


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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 466	E

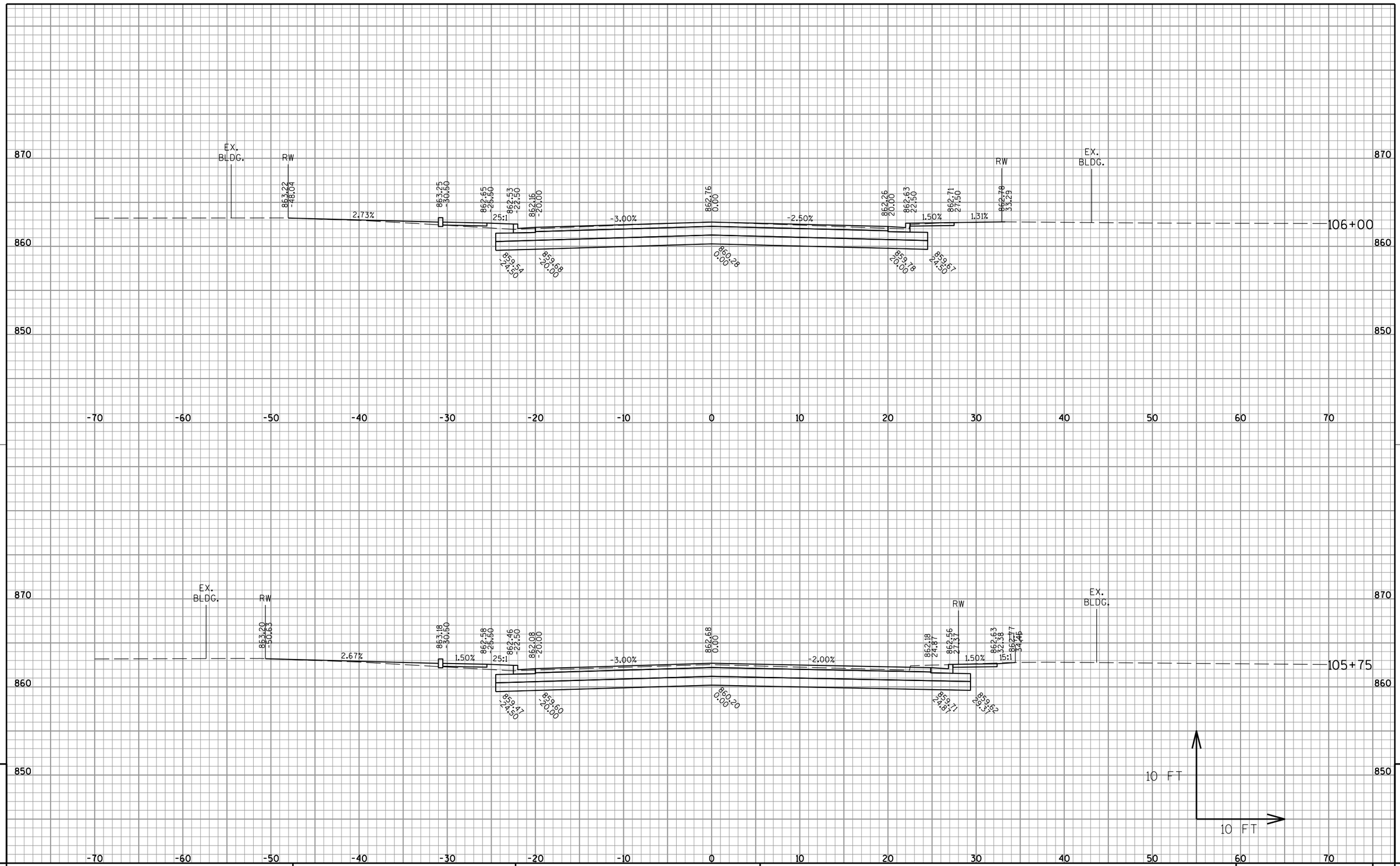
FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 467 E

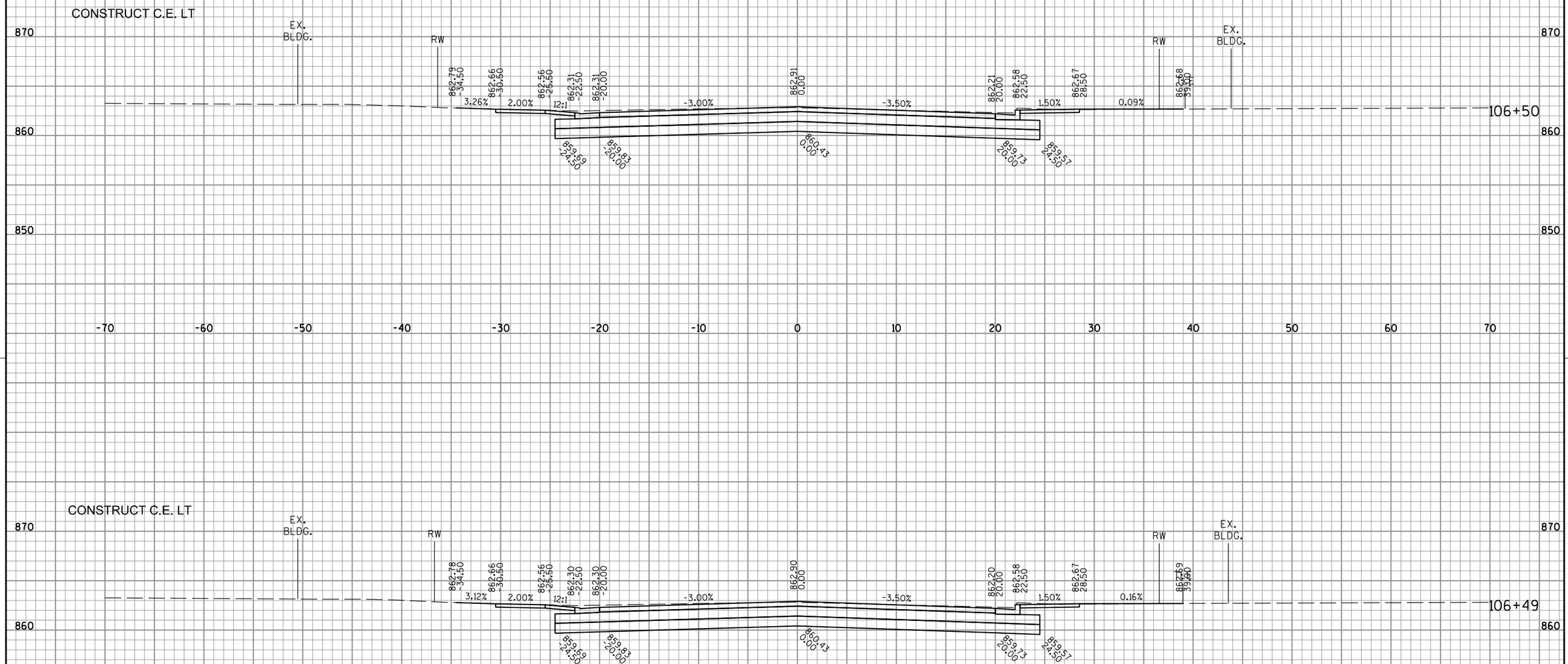
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WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 468 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.



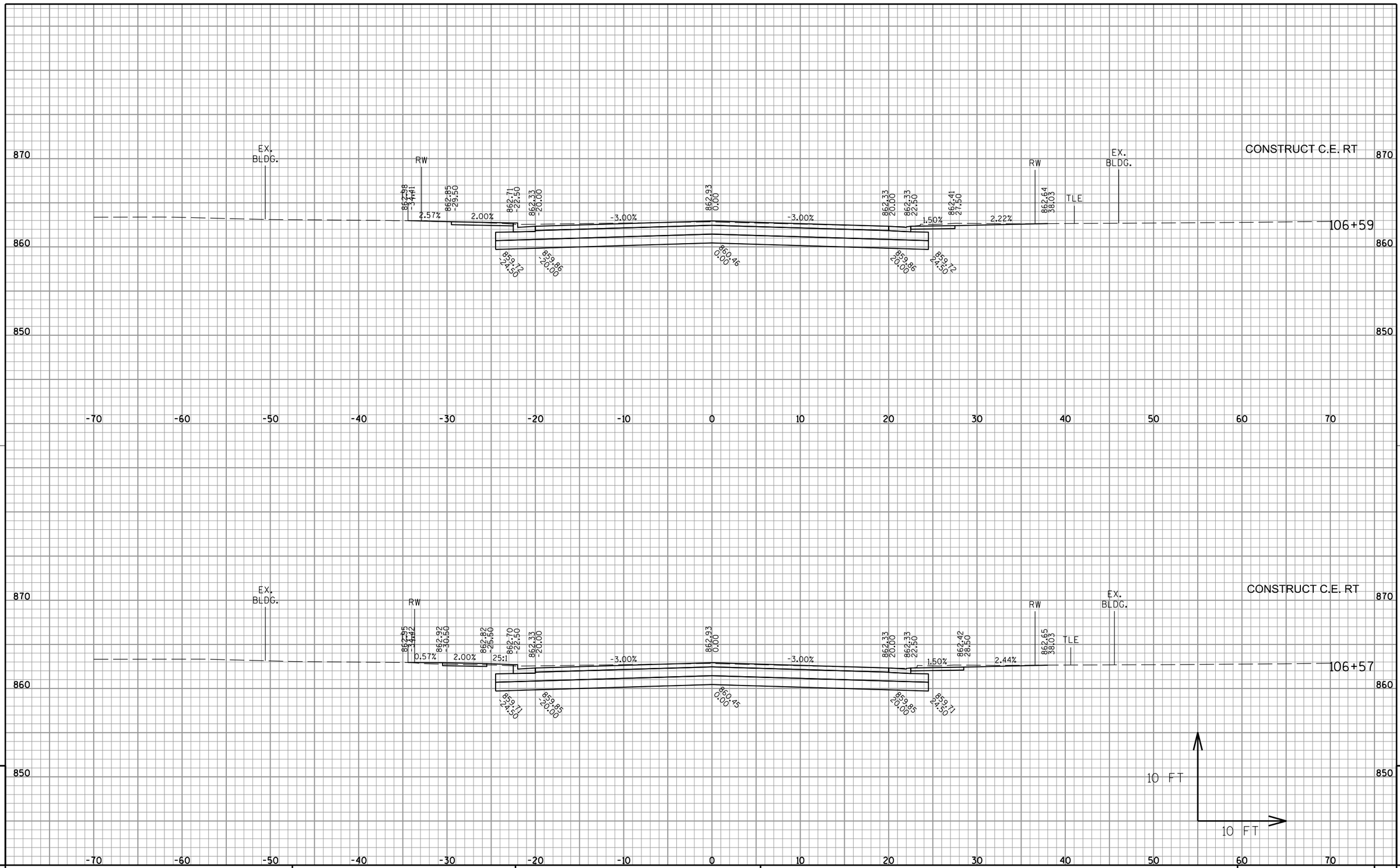
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 469	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

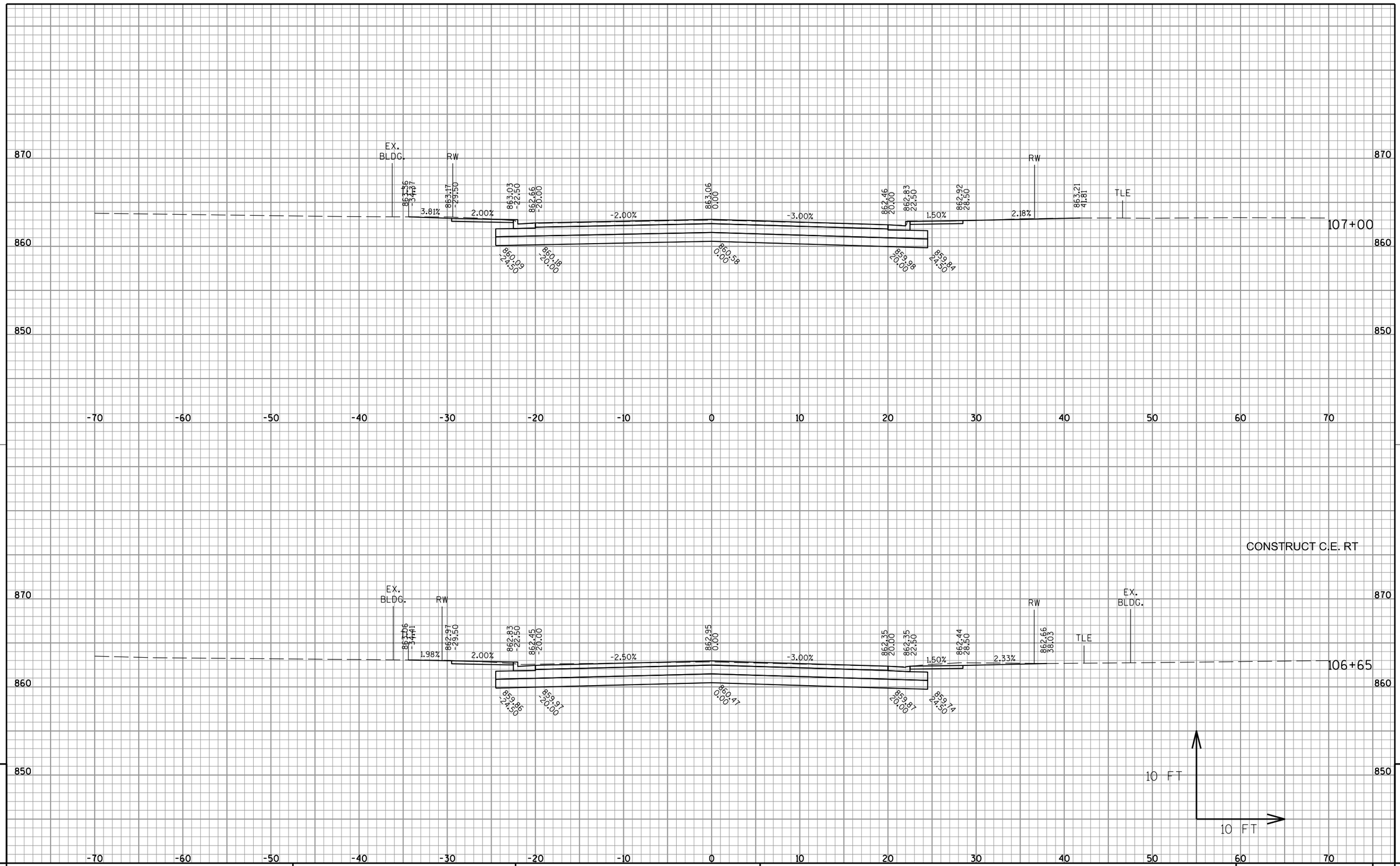


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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 470	E

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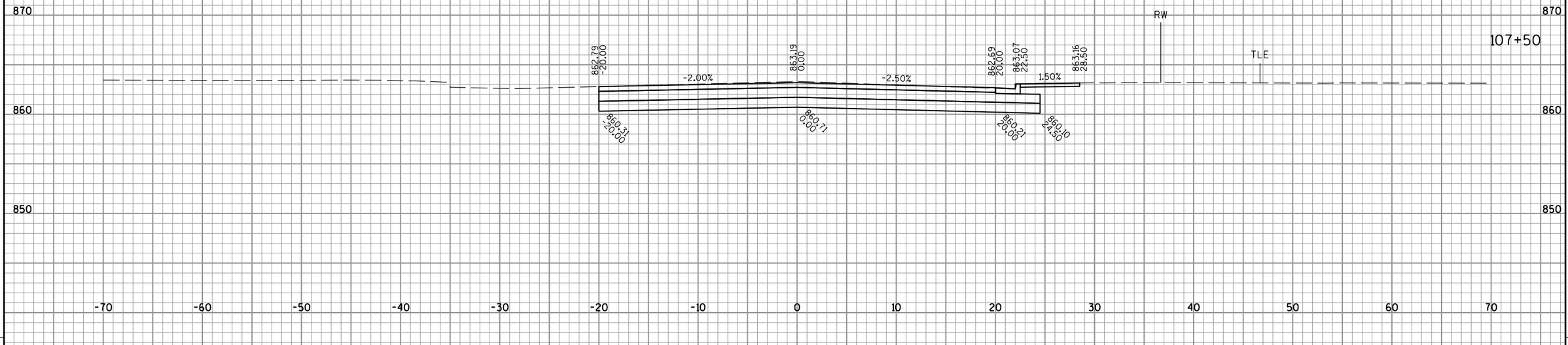


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 471 E

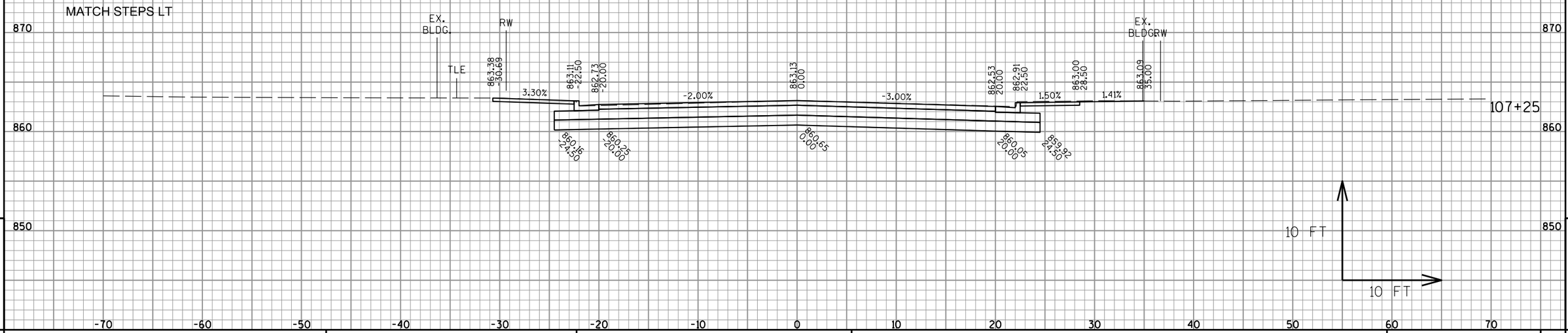
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WISDOT/CADDS SHEET 21

MATCH WATER STREET LT



MATCH STEPS LT



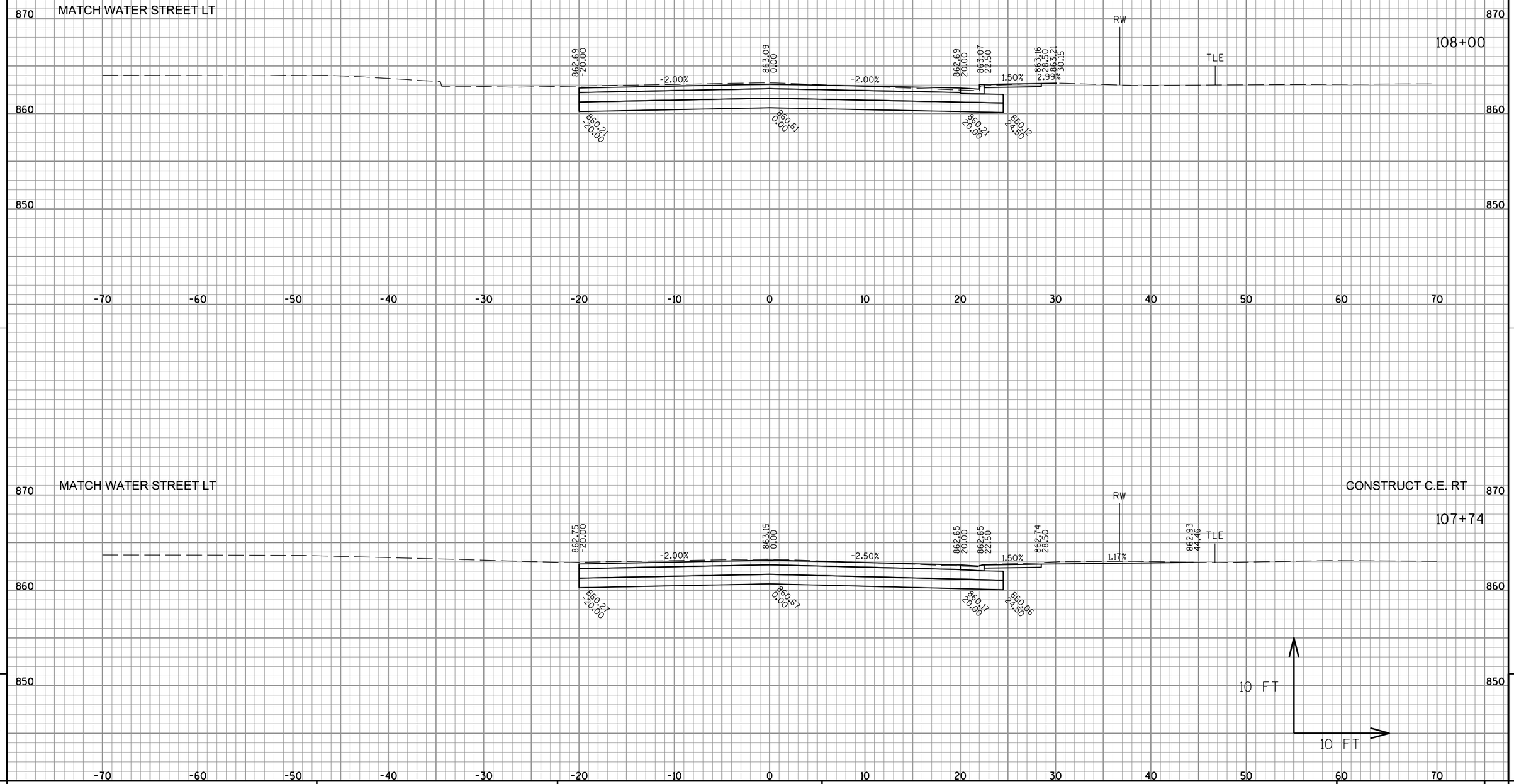
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 472	E

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WISDOT/CADDS SHEET 21



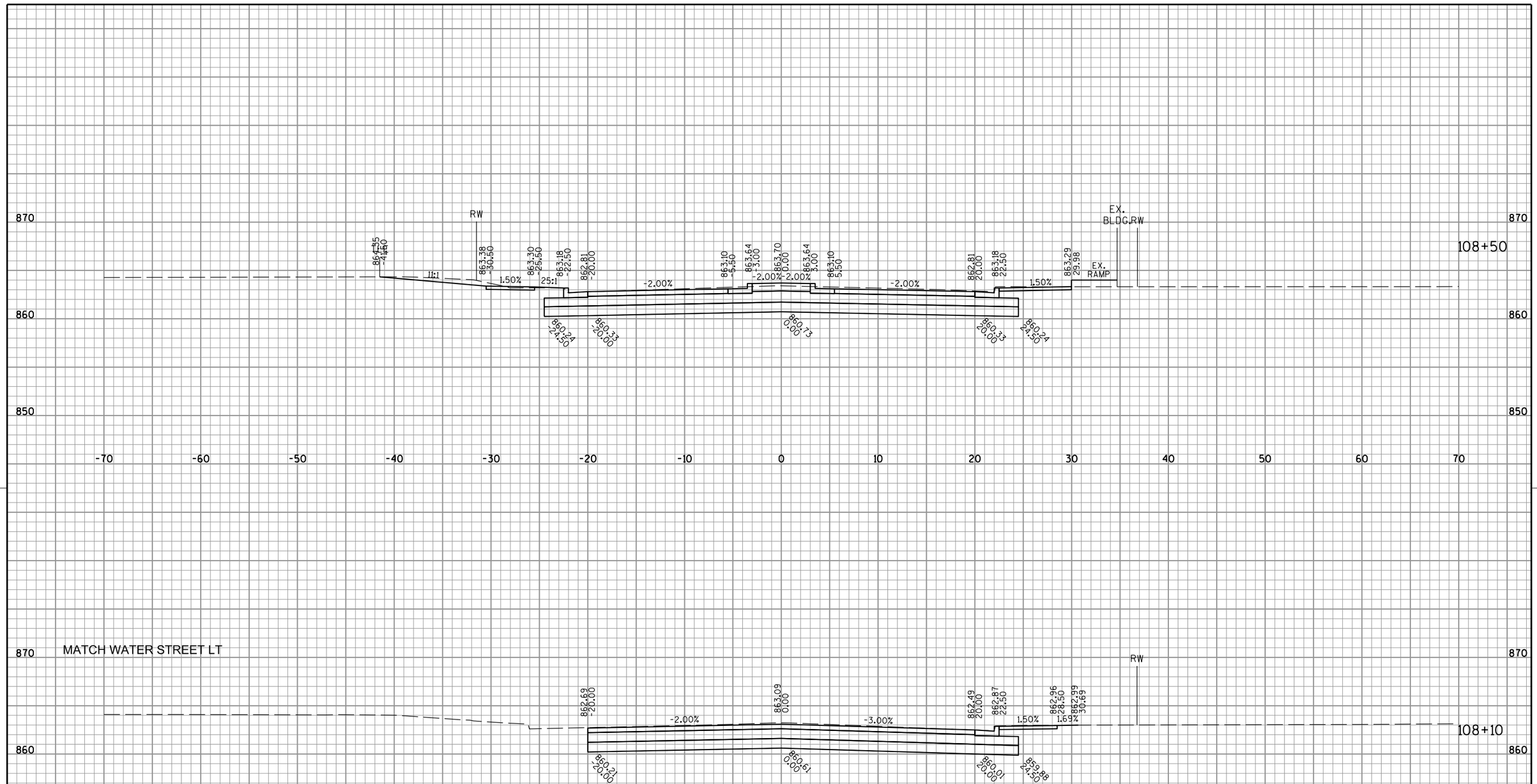
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 473	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



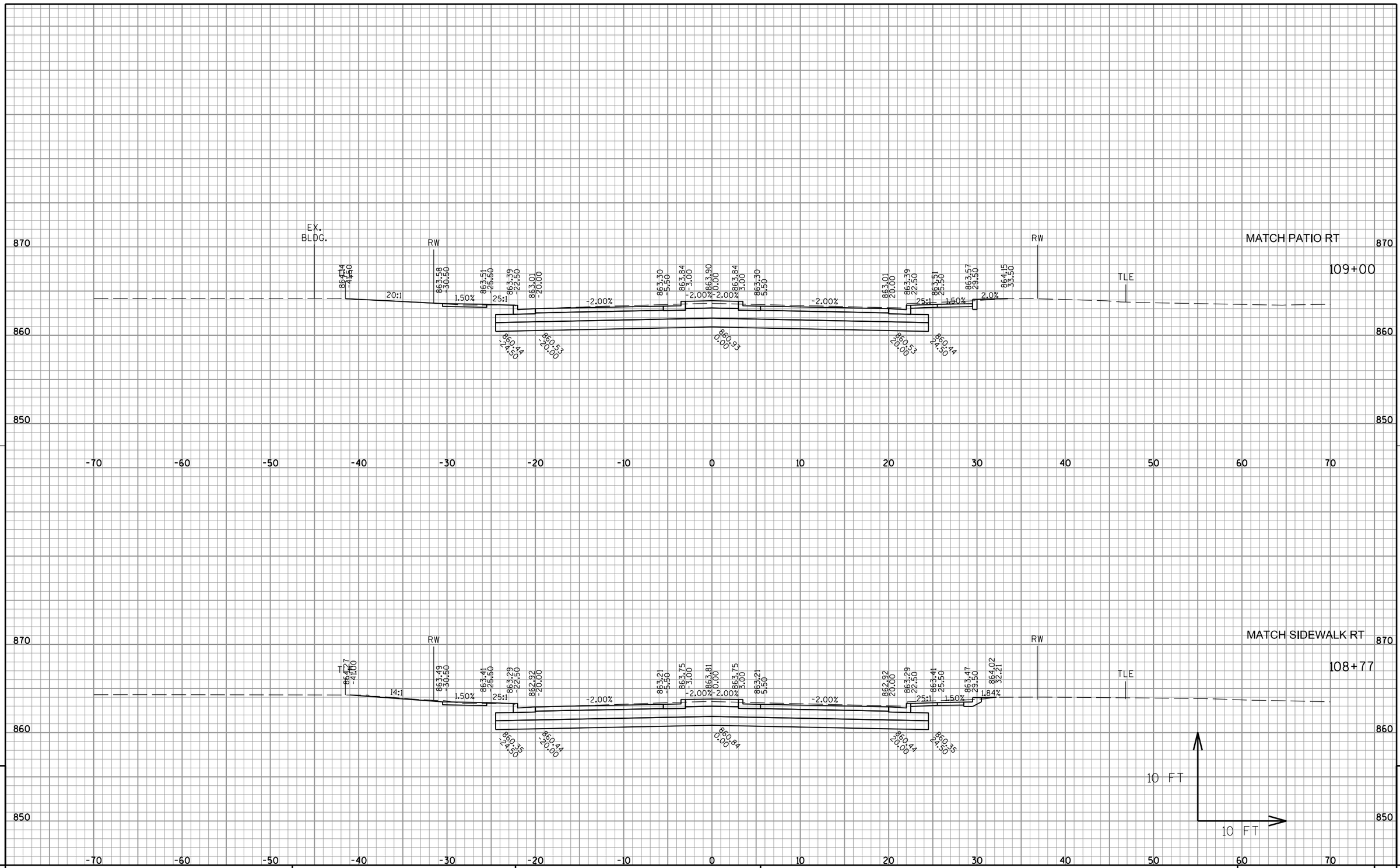
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 474	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/7/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



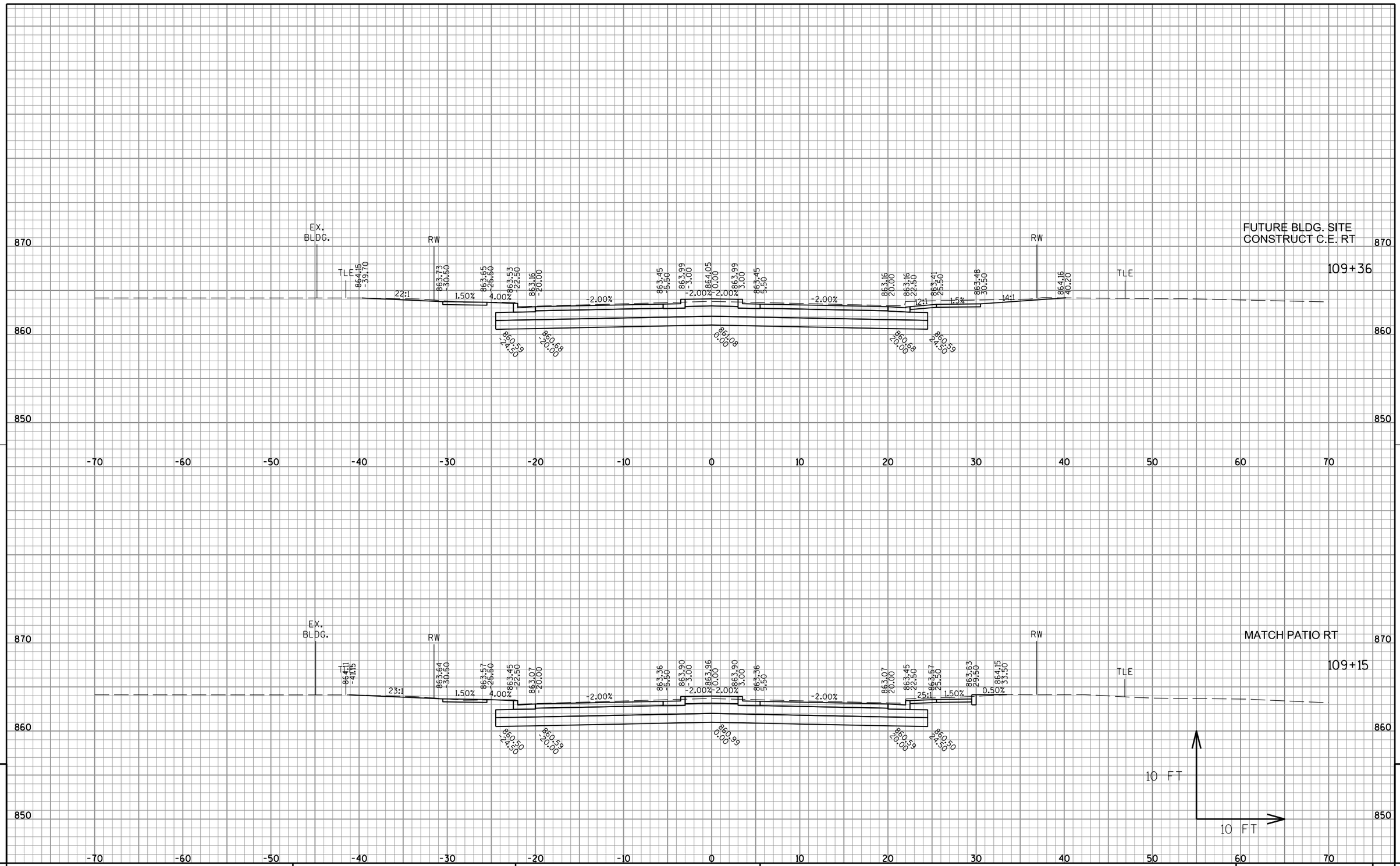
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 475	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/7/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



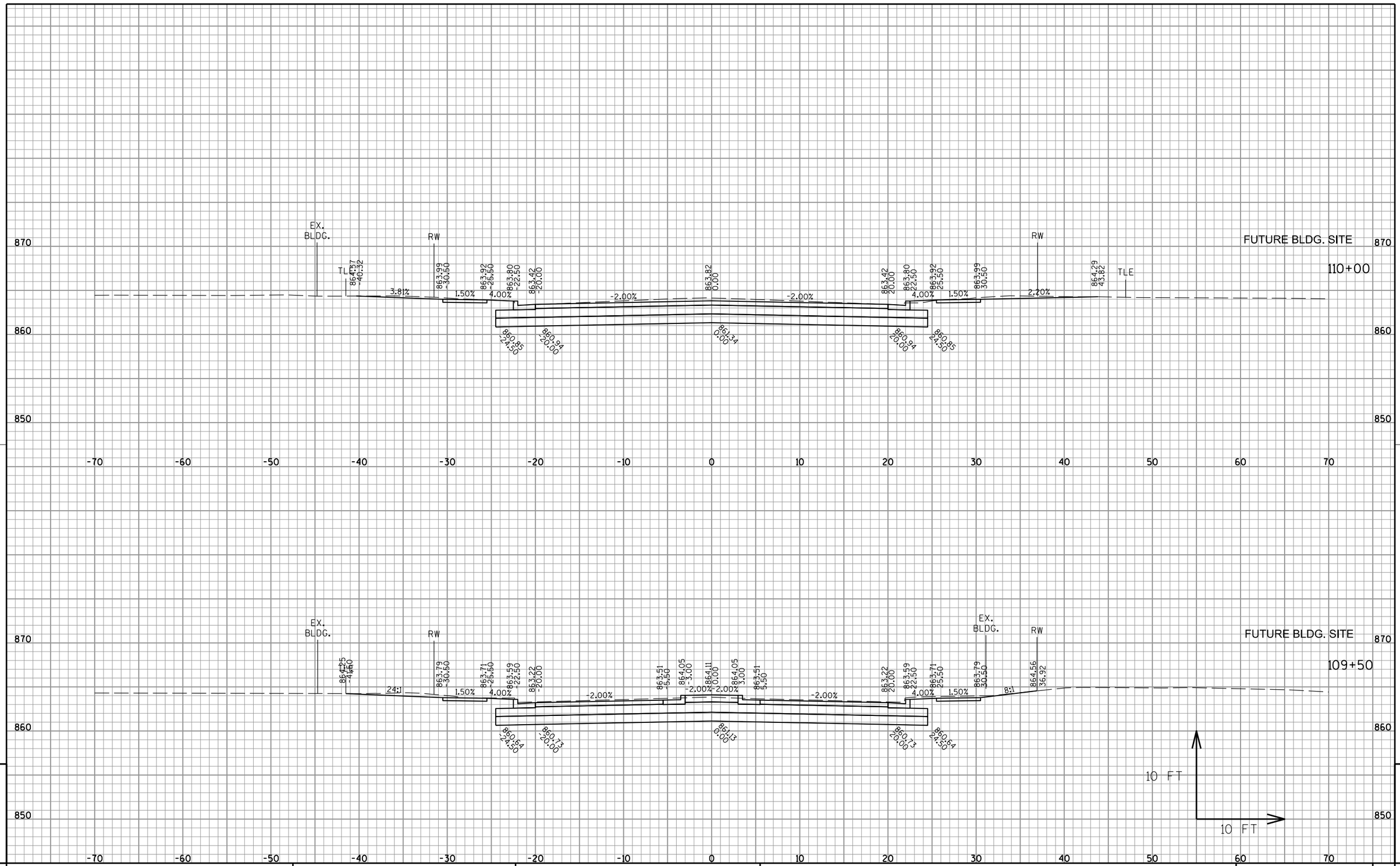
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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 476	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/7/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



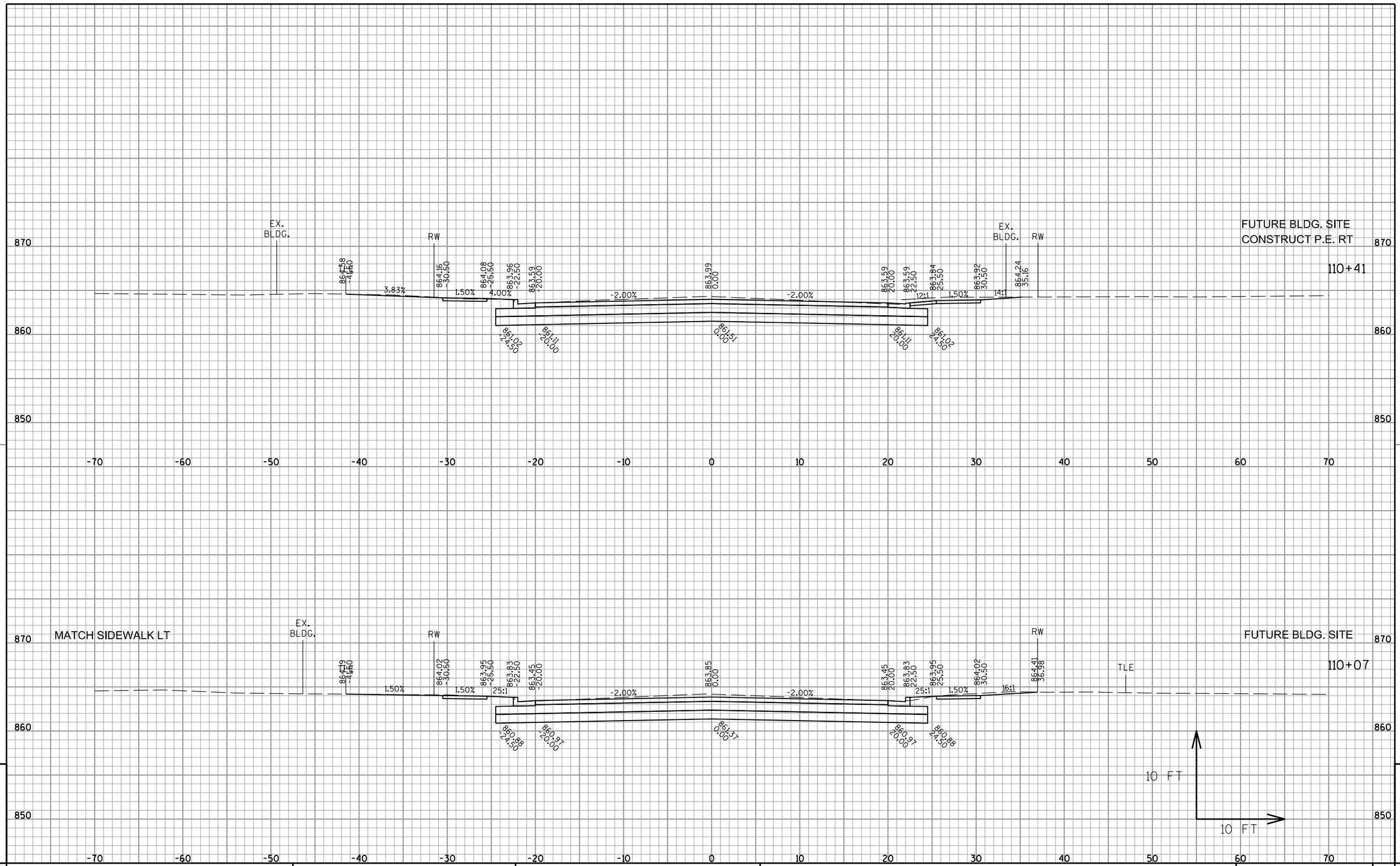
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 477	E

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WISDOT/CADDS SHEET 21

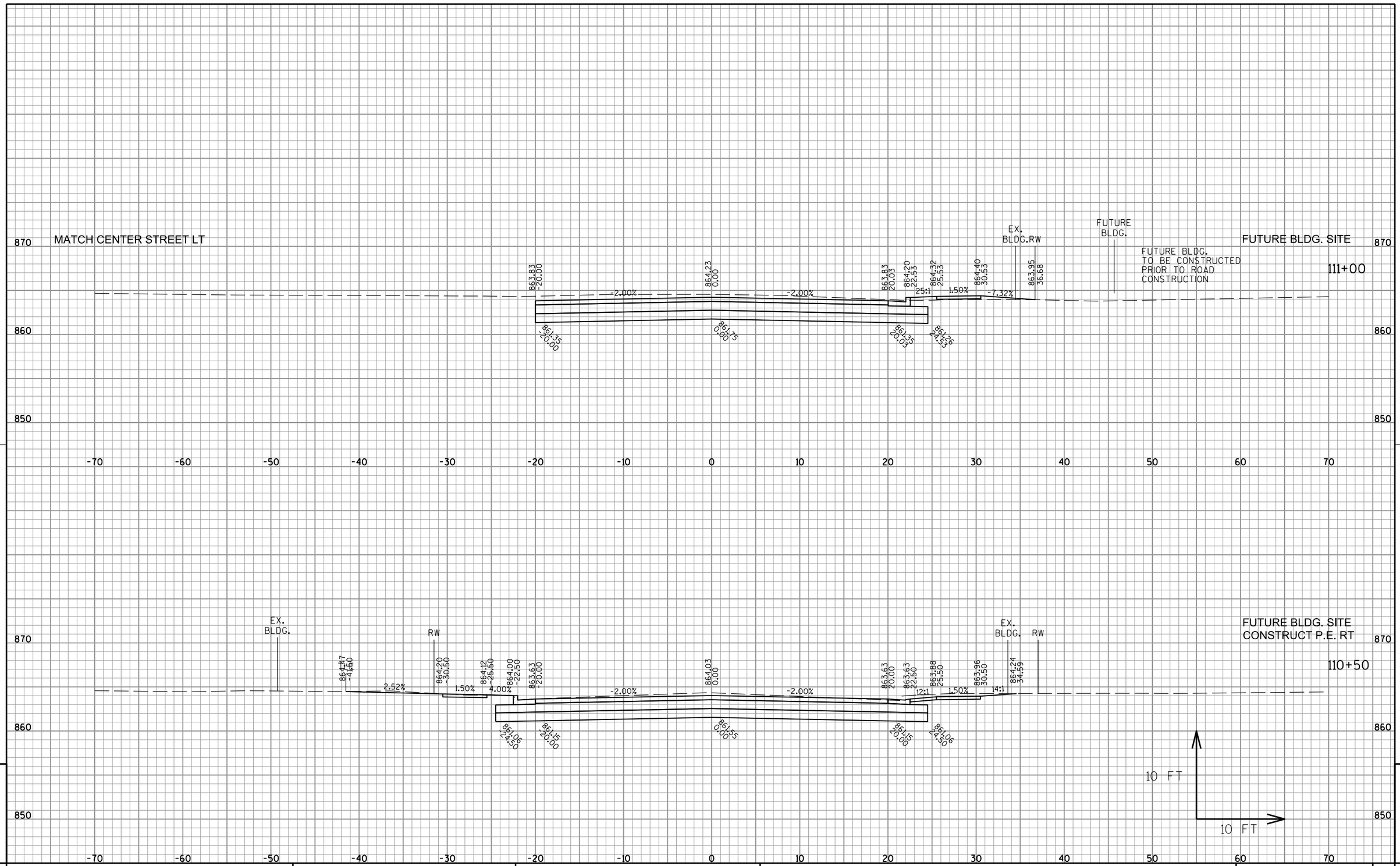


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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 478	E

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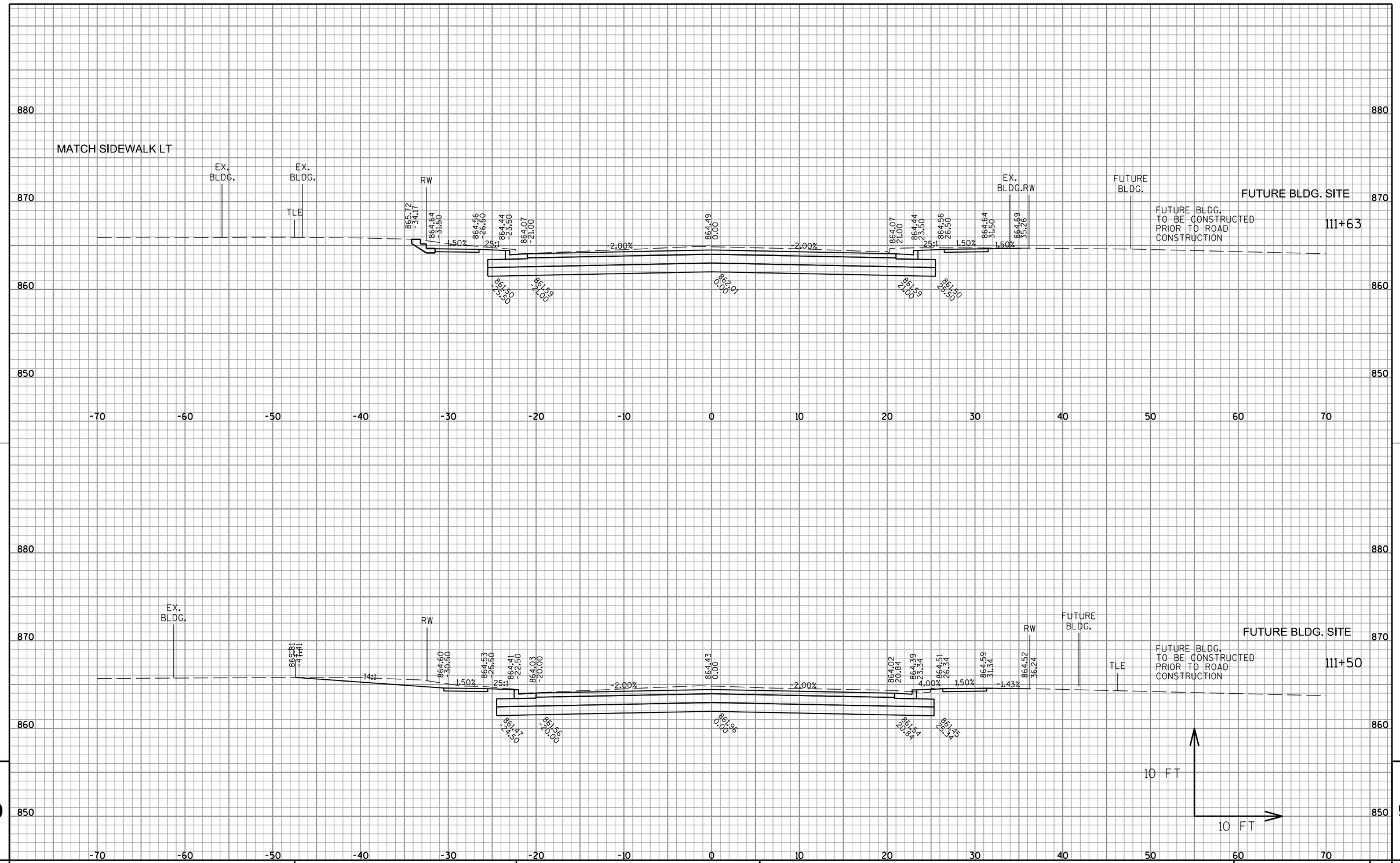
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 479	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

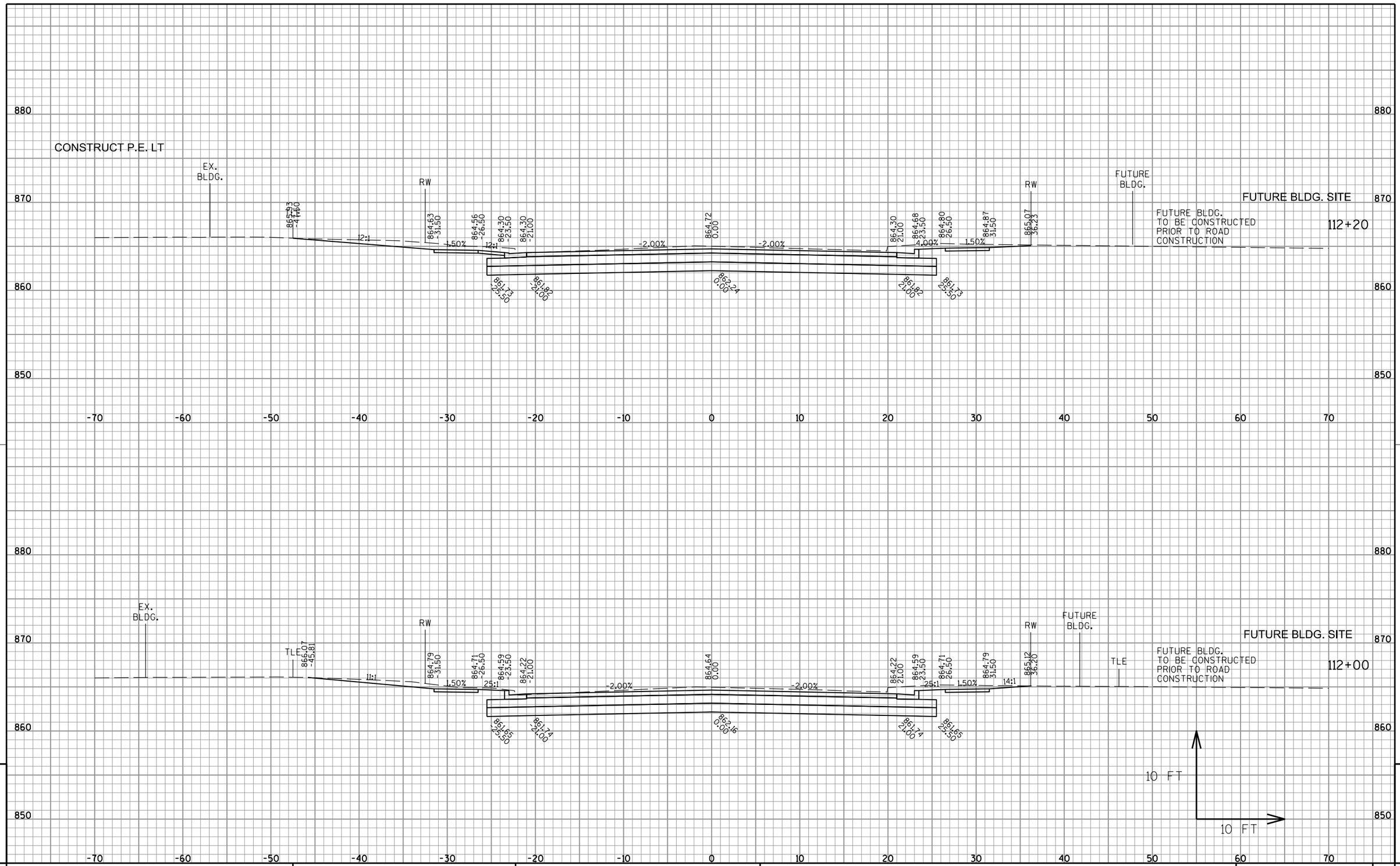
WISDOT/CADDS SHEET 21



9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 480	E

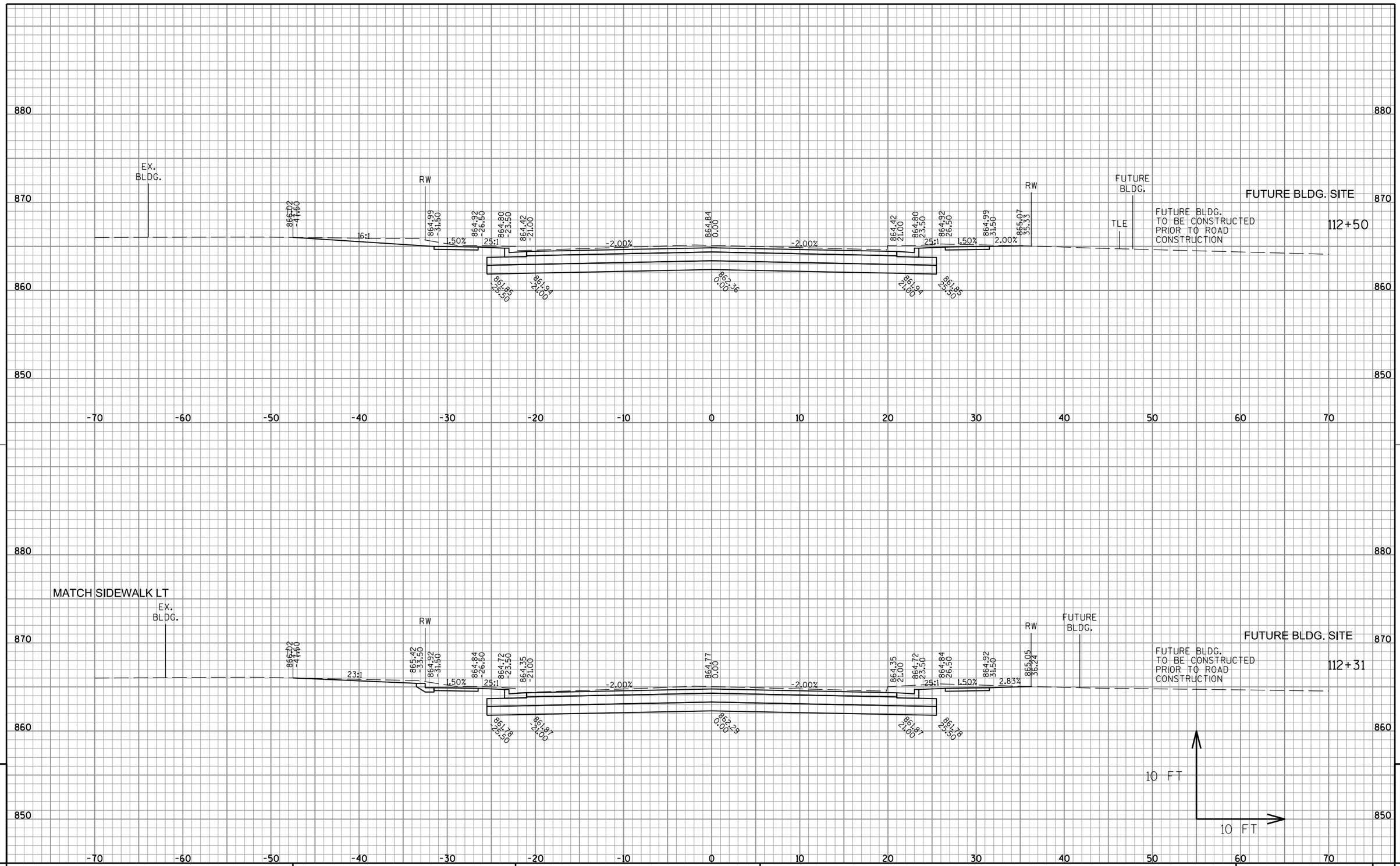
FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.



9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 481	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn
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PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : 10.0000 sf / in.
WISDOT/CADDS SHEET 21

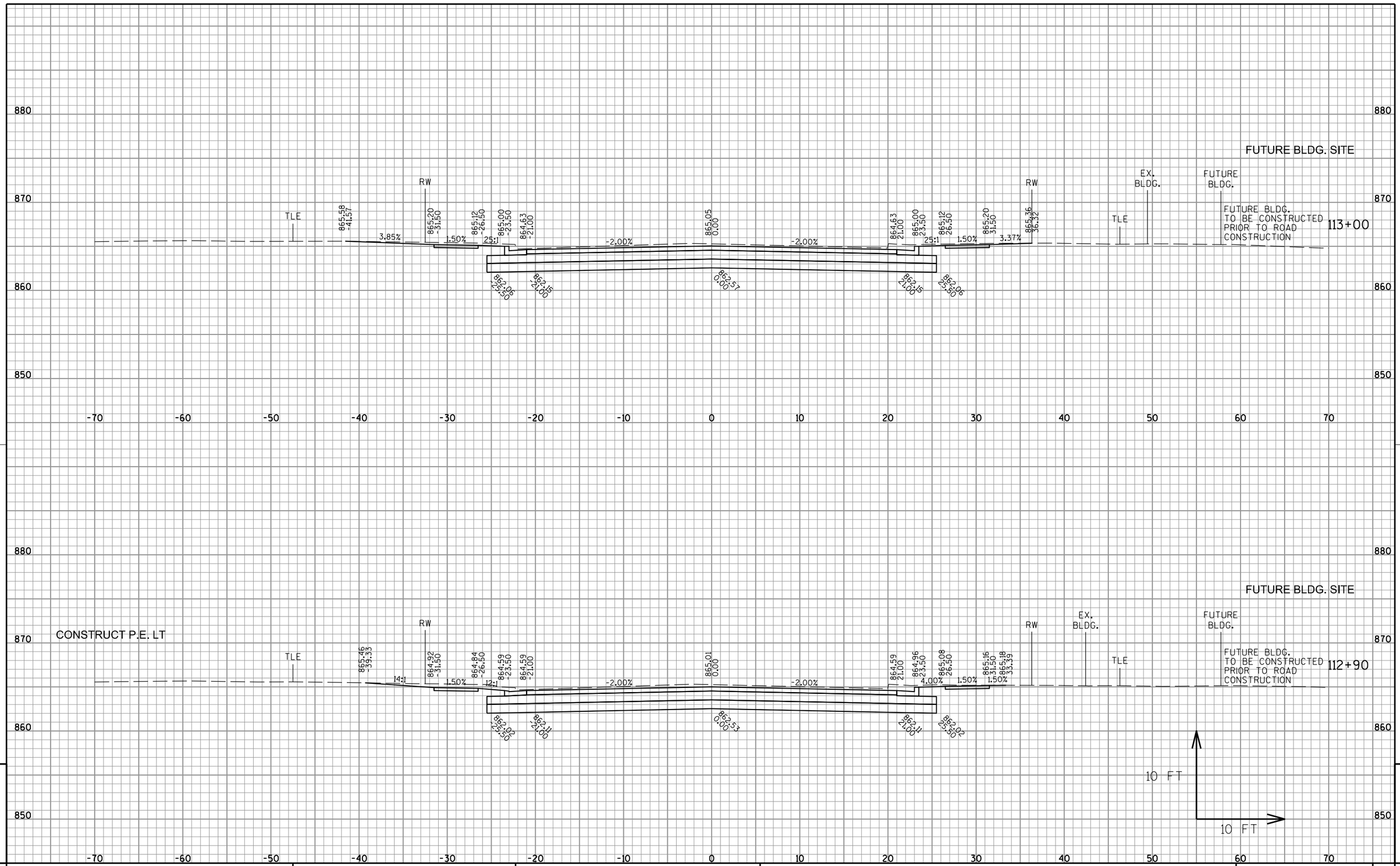


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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 482 E

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WISDOT/CADDS SHEET 21

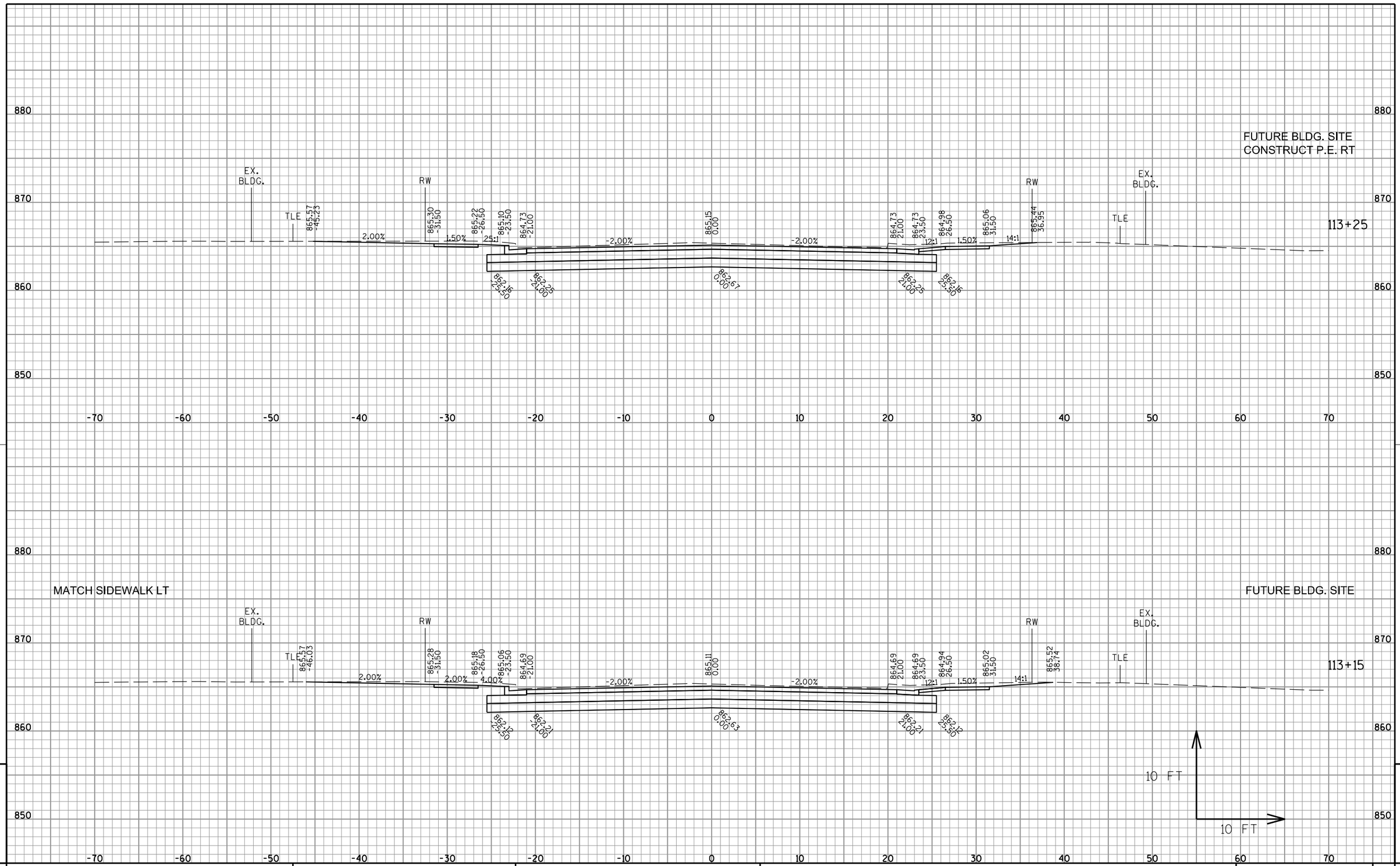


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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 483	E

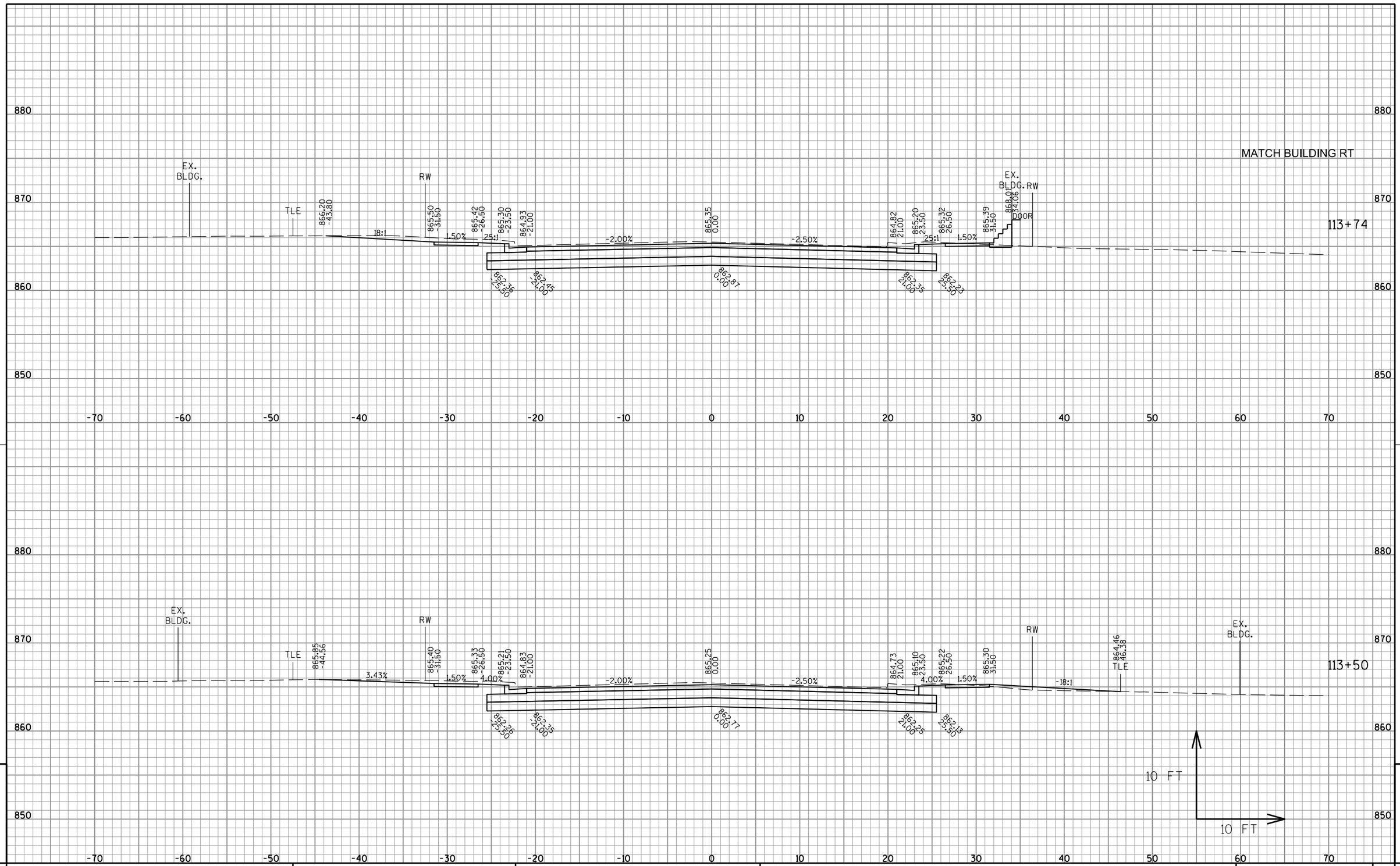
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9

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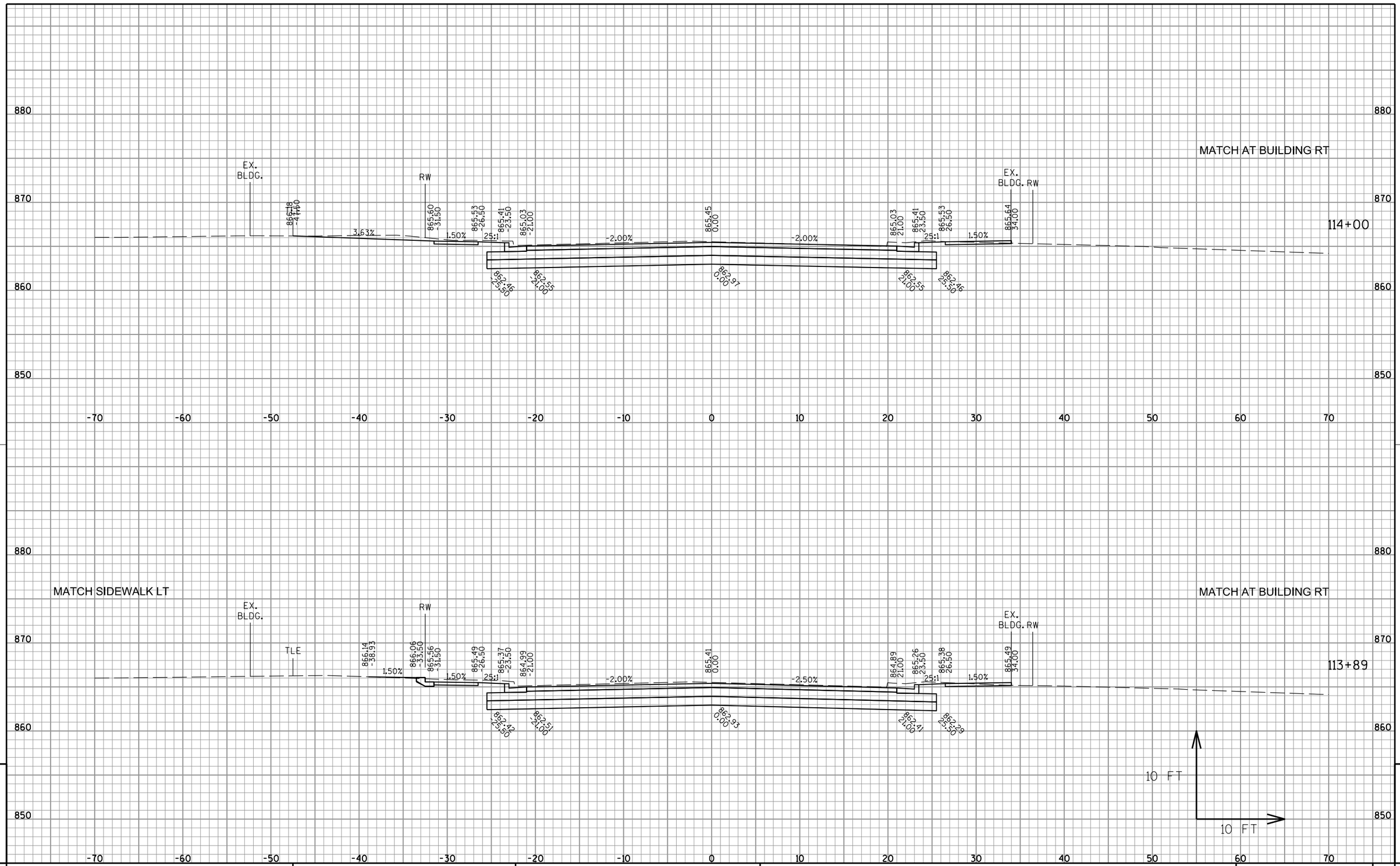
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 484	E



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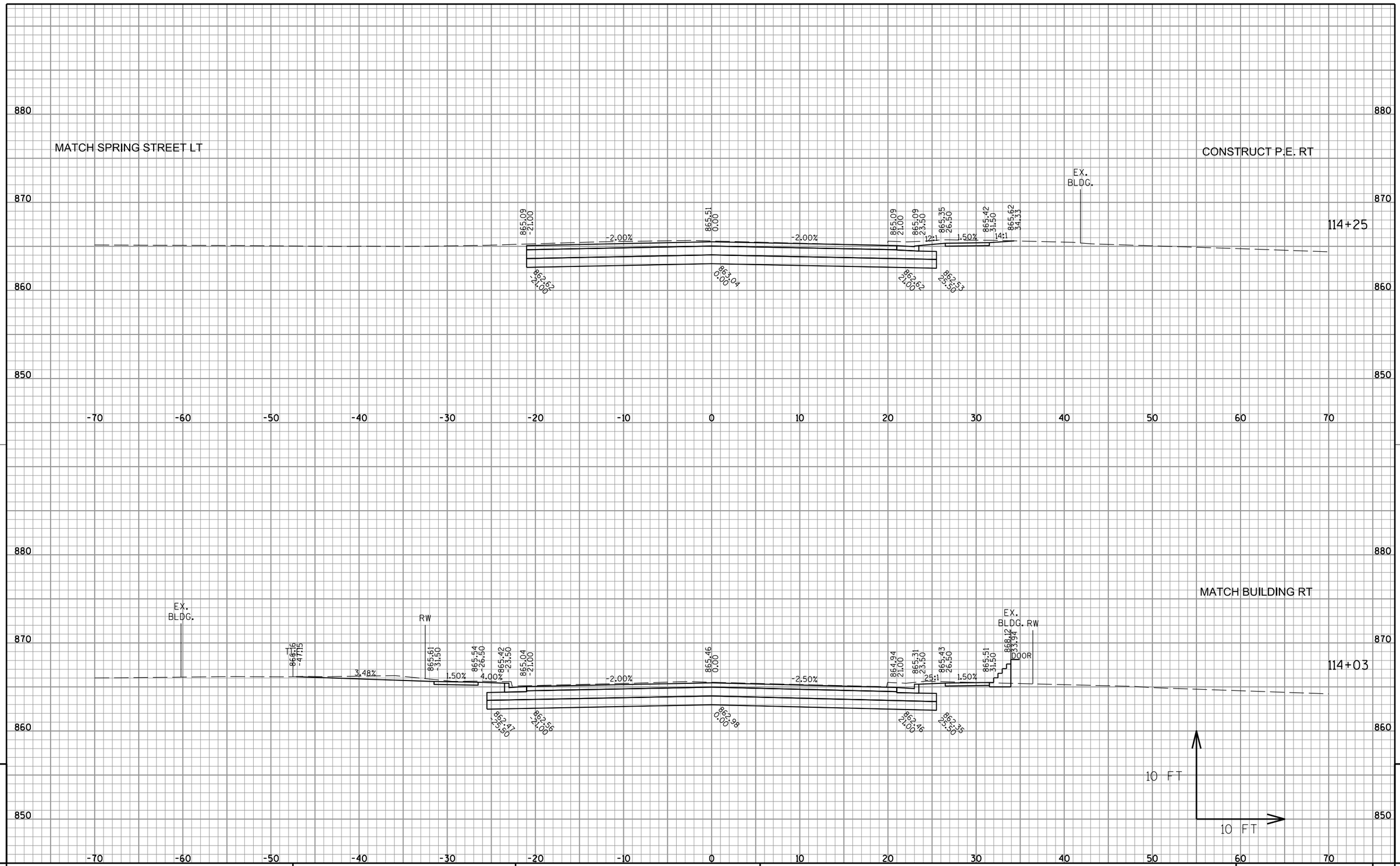
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 485	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 486 E

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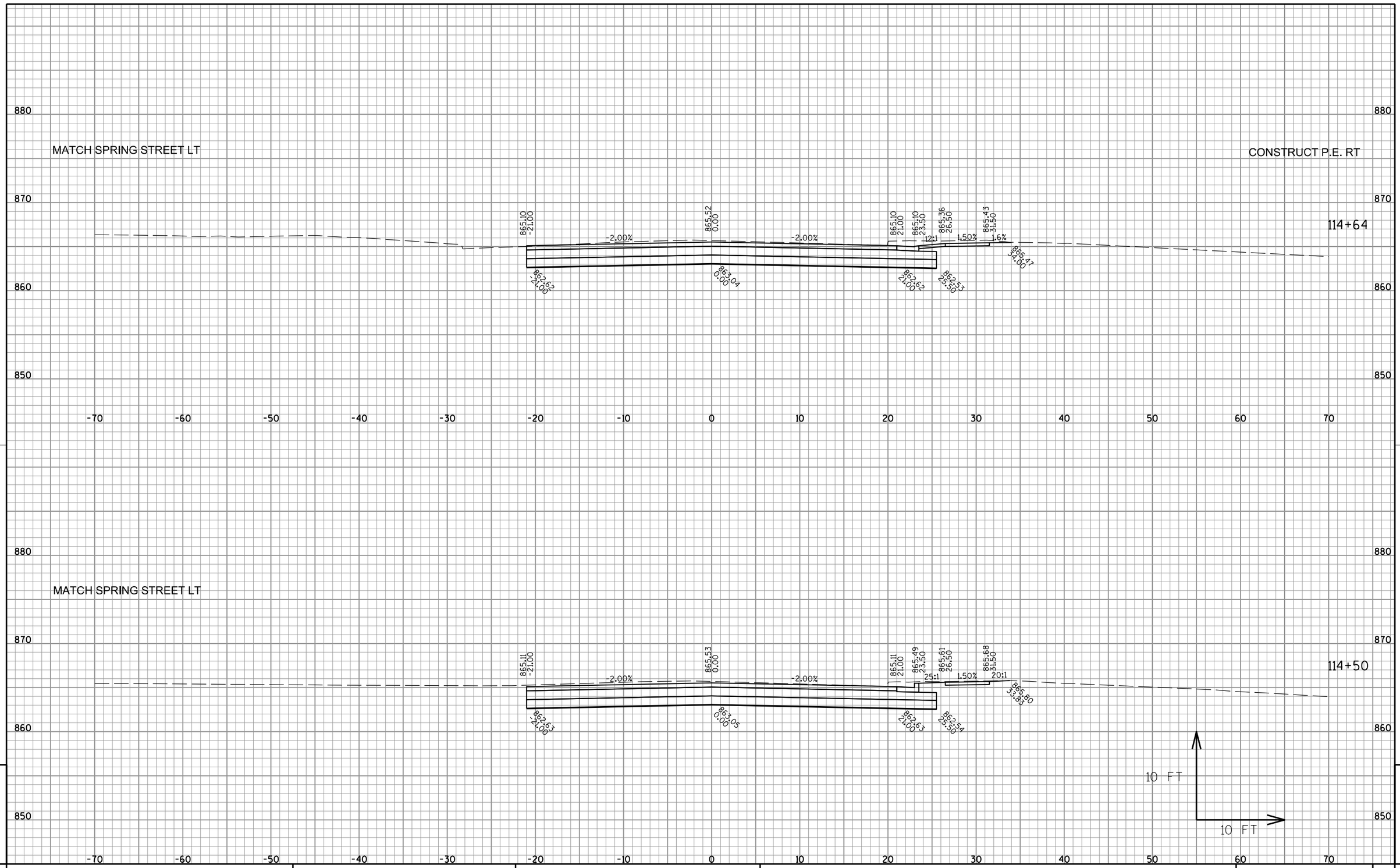
WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 487	E

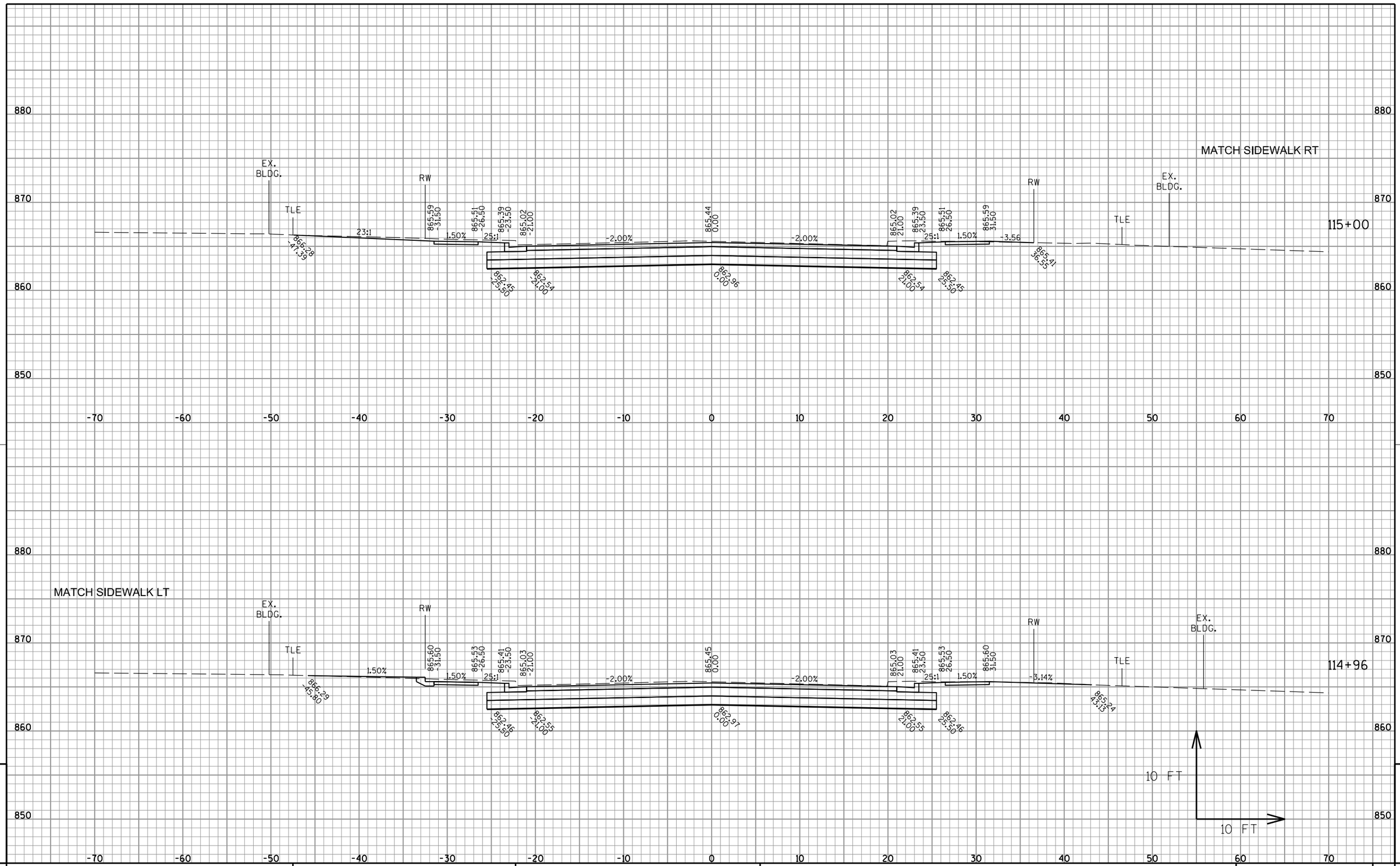


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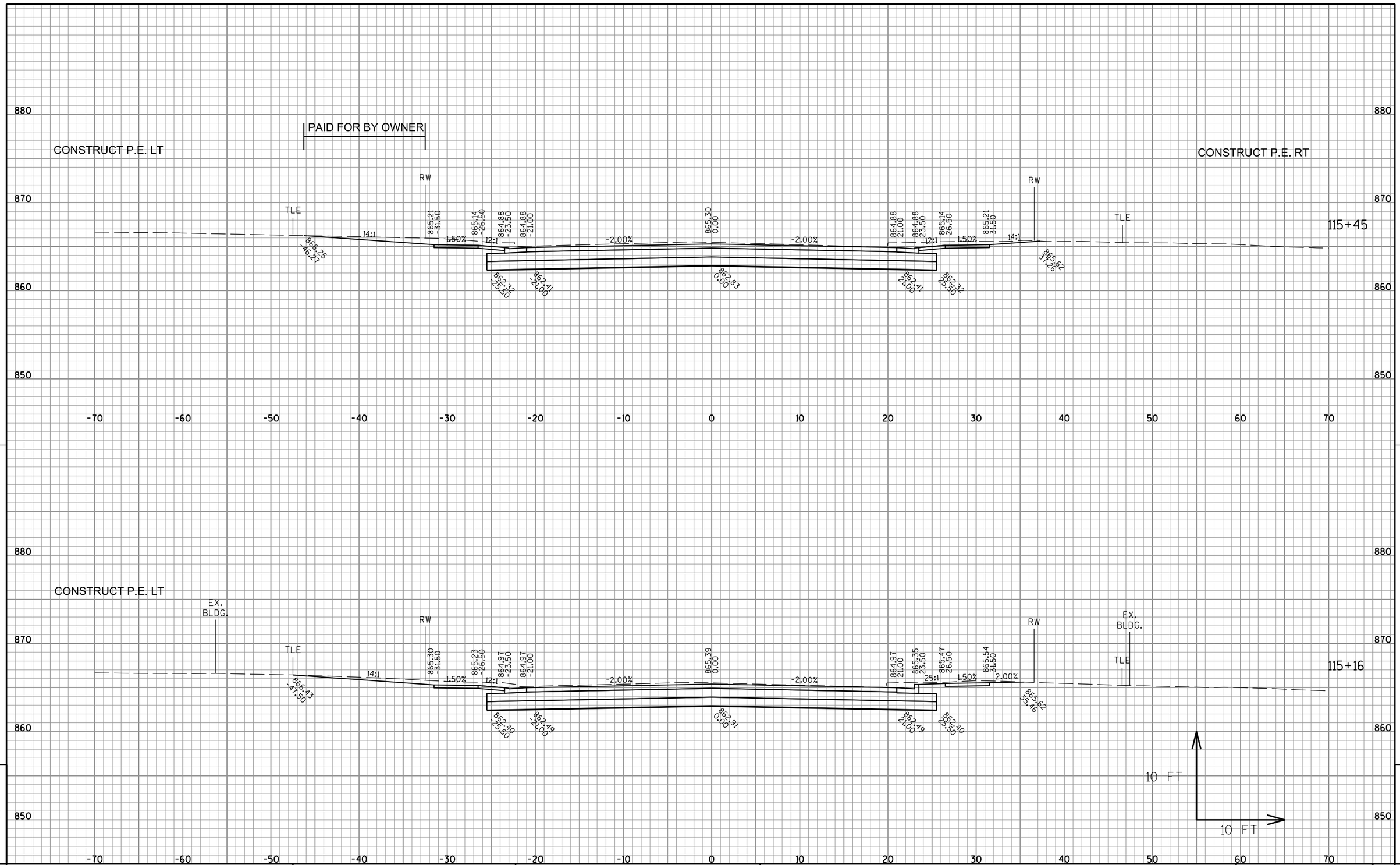
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 489 E

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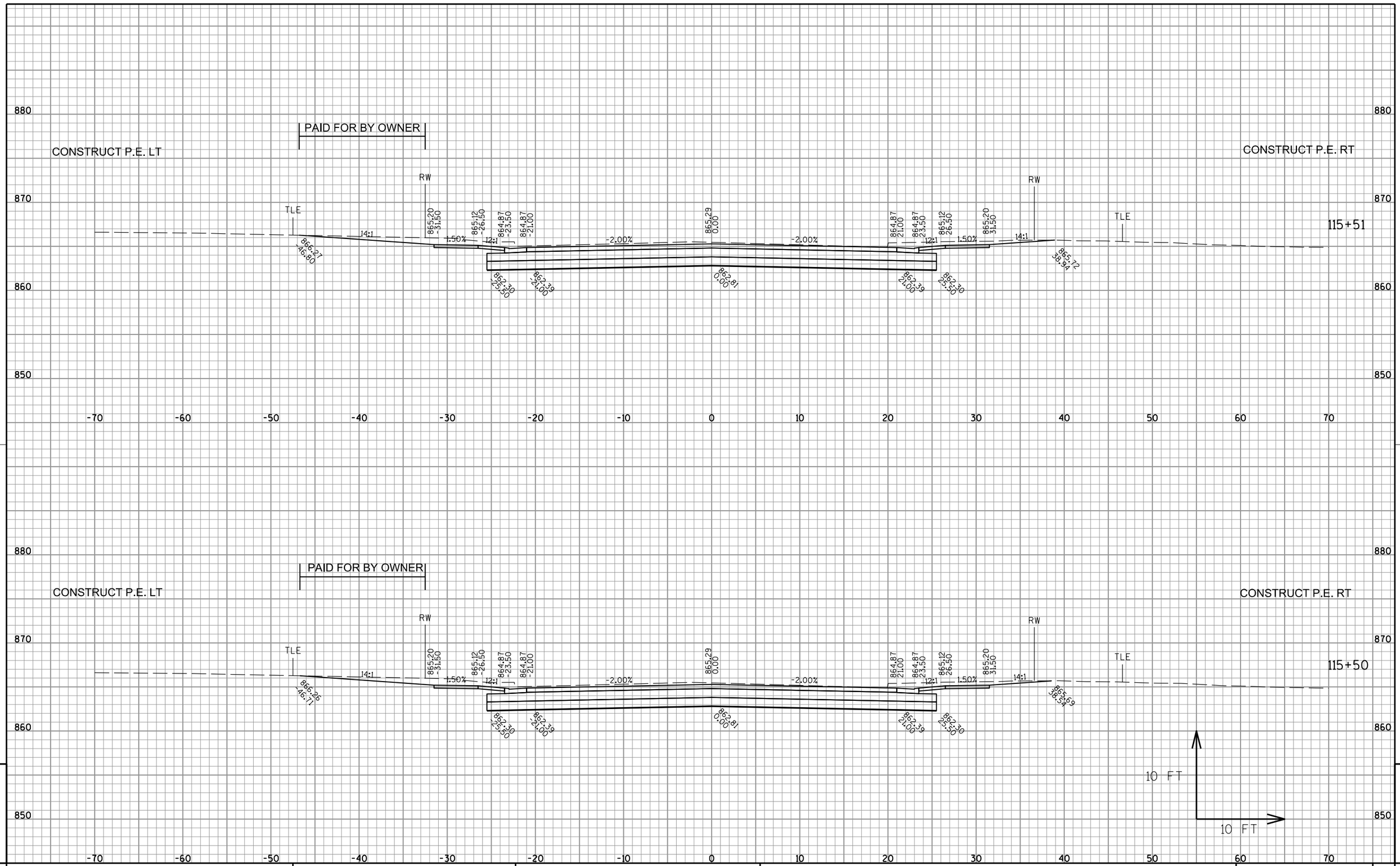


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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 490	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

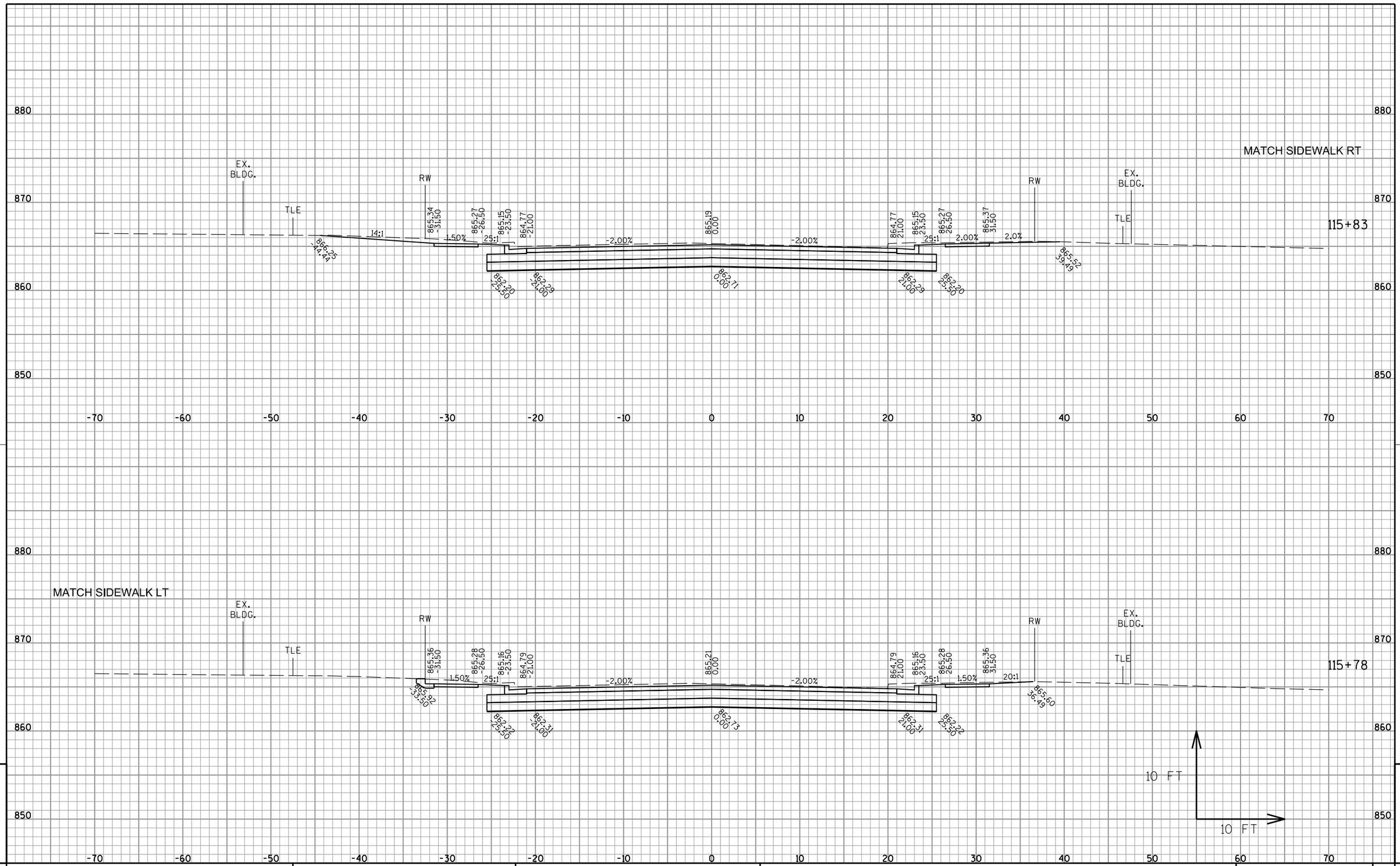


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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 491	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.



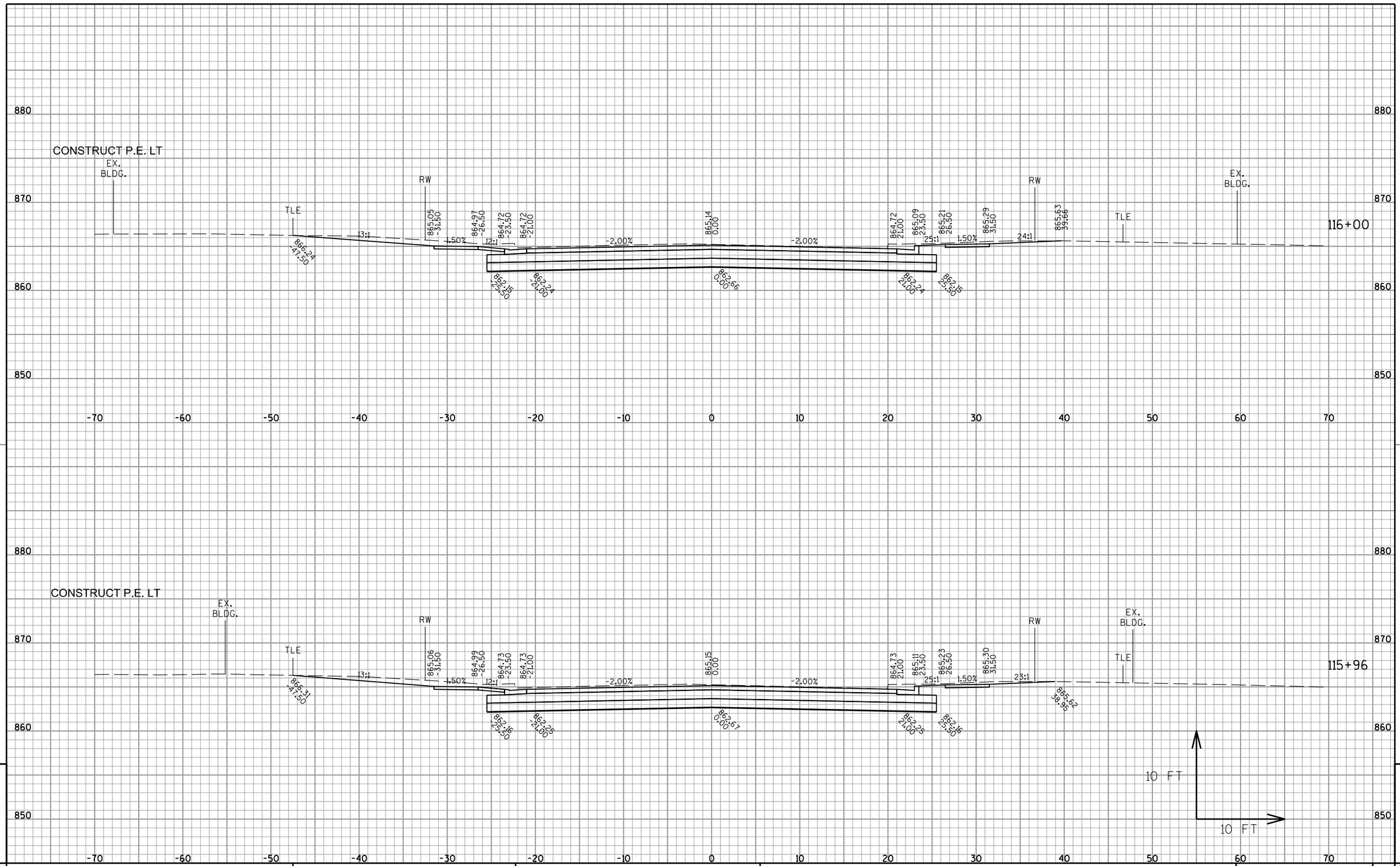
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 492	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

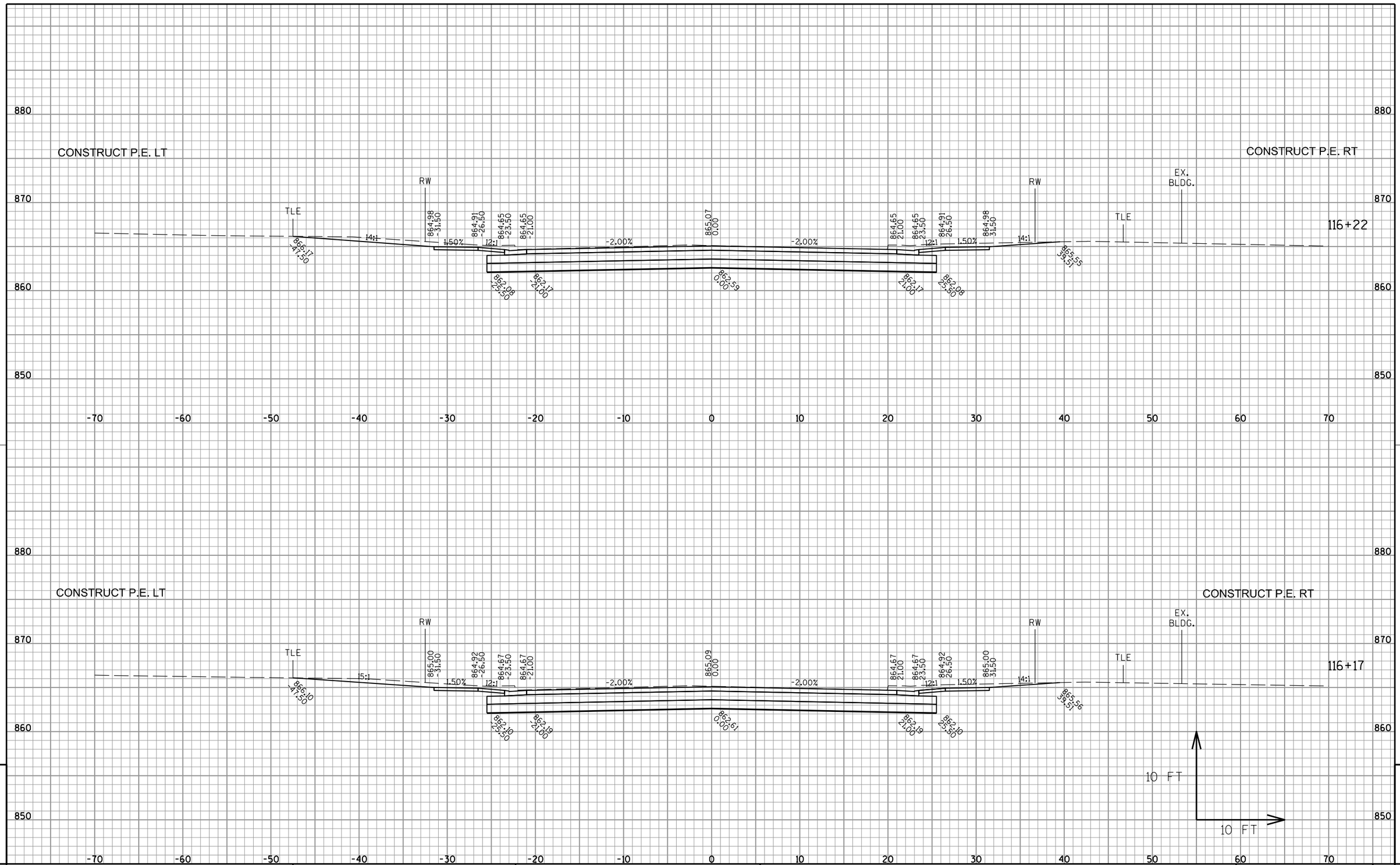


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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 493	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.



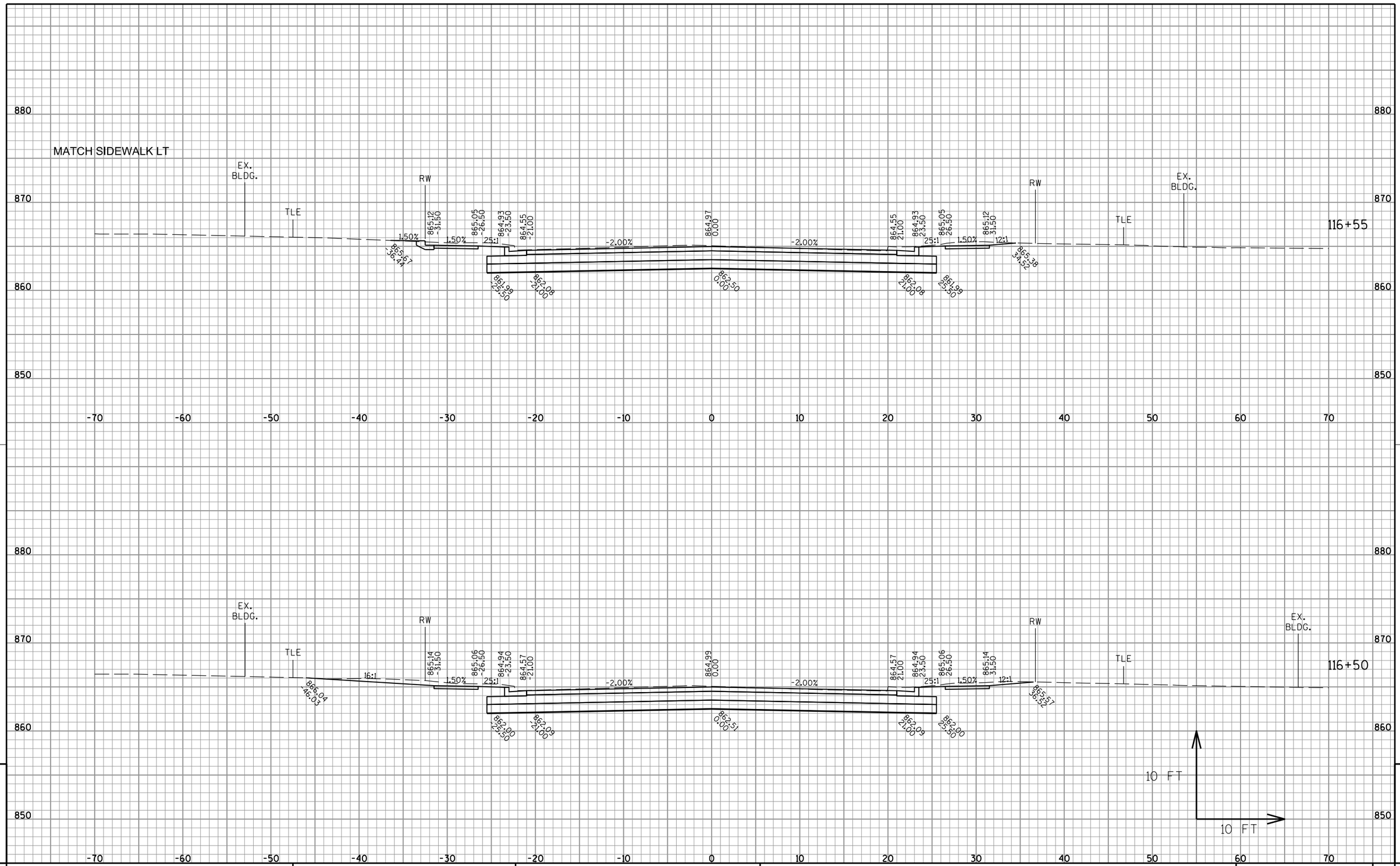
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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 494	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



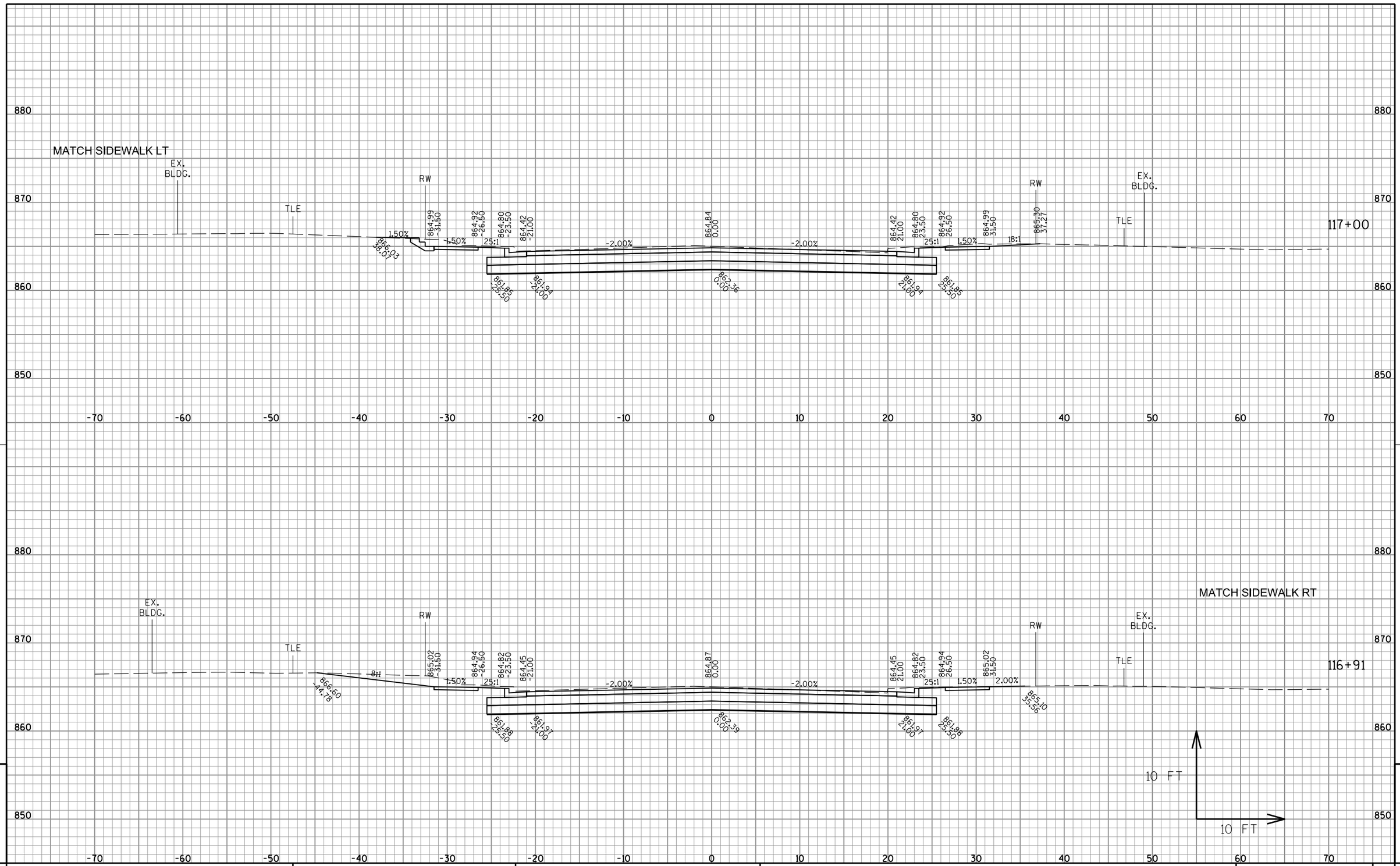
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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 495	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

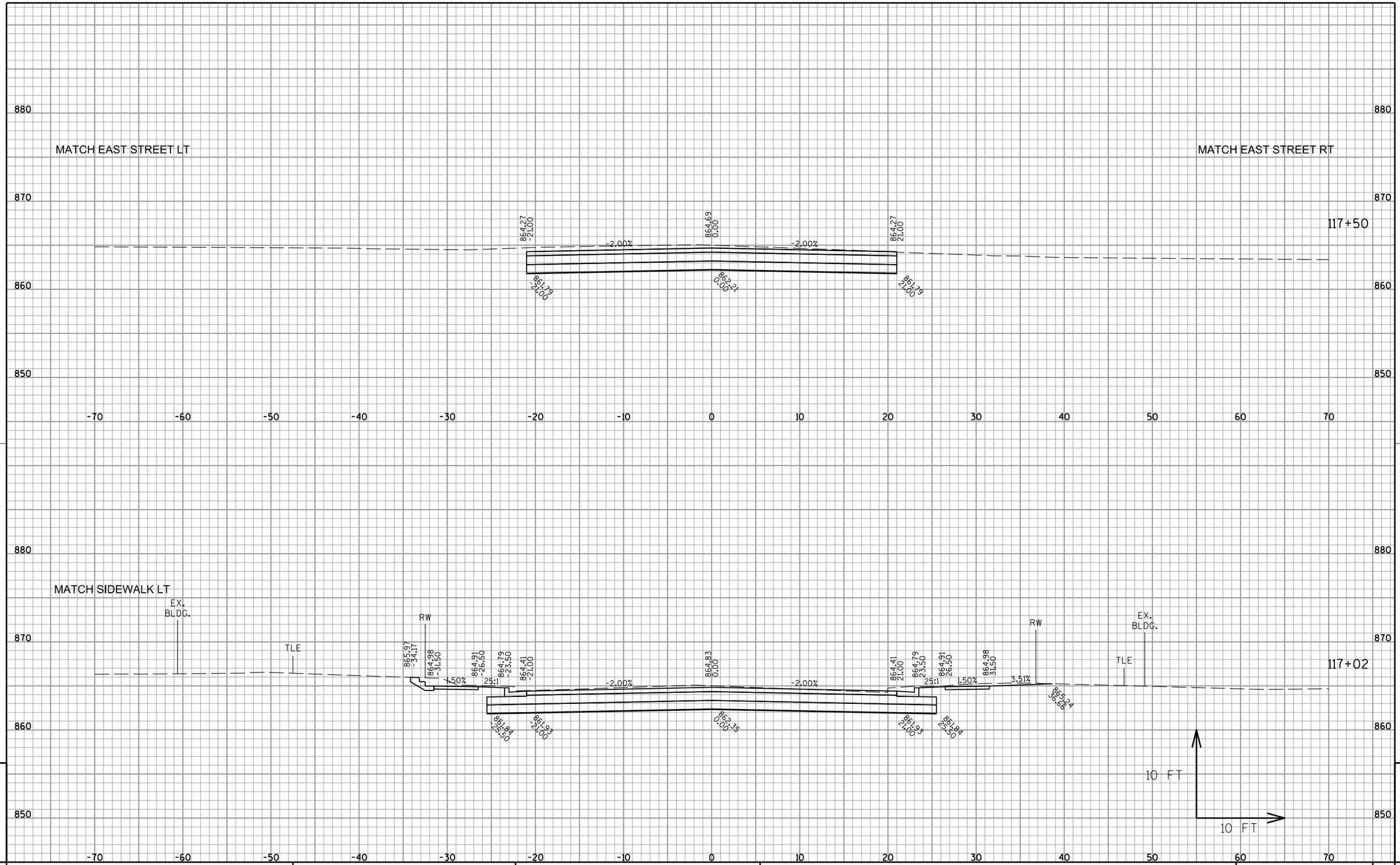


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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 496	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.



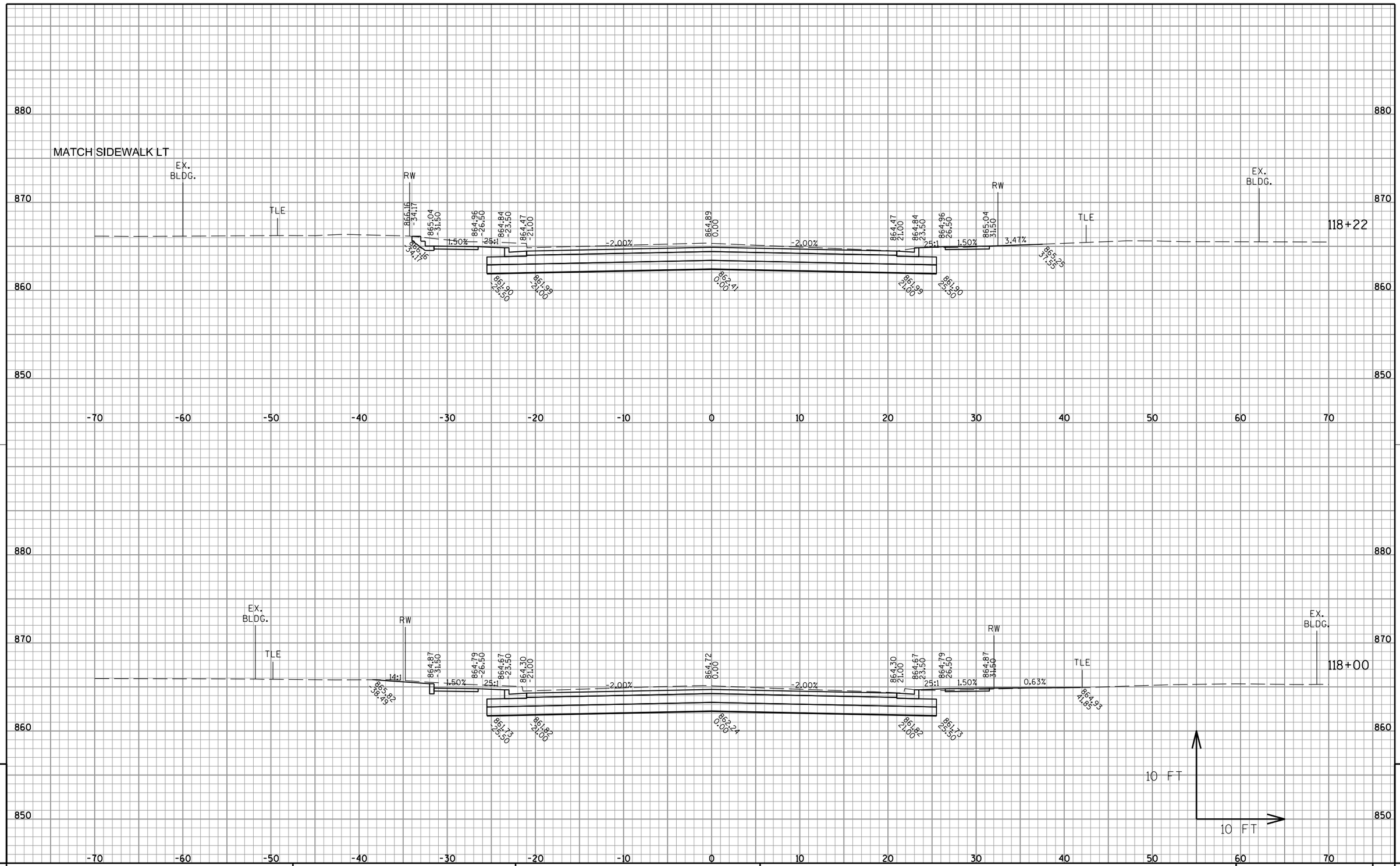
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 497	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



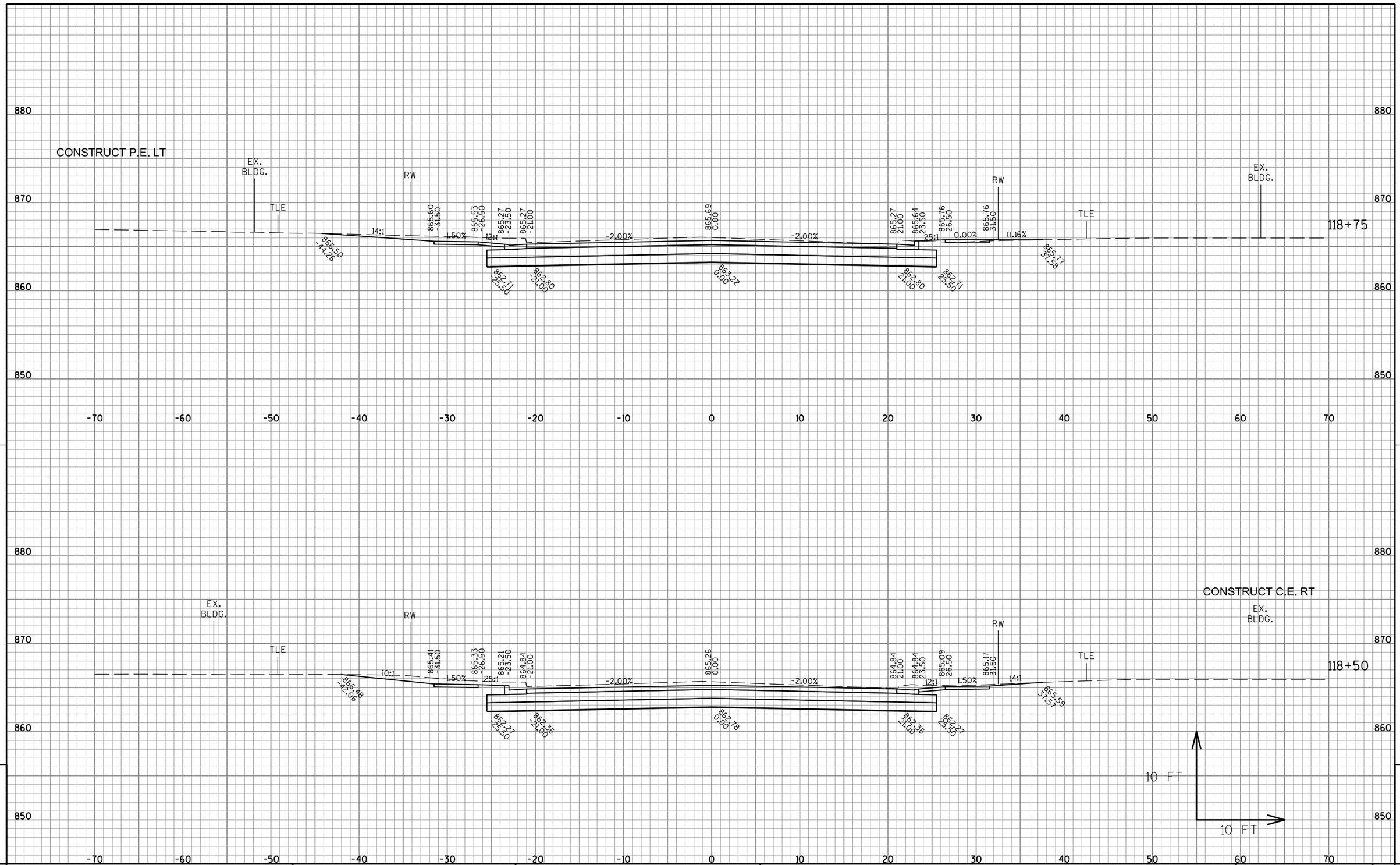
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 498	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



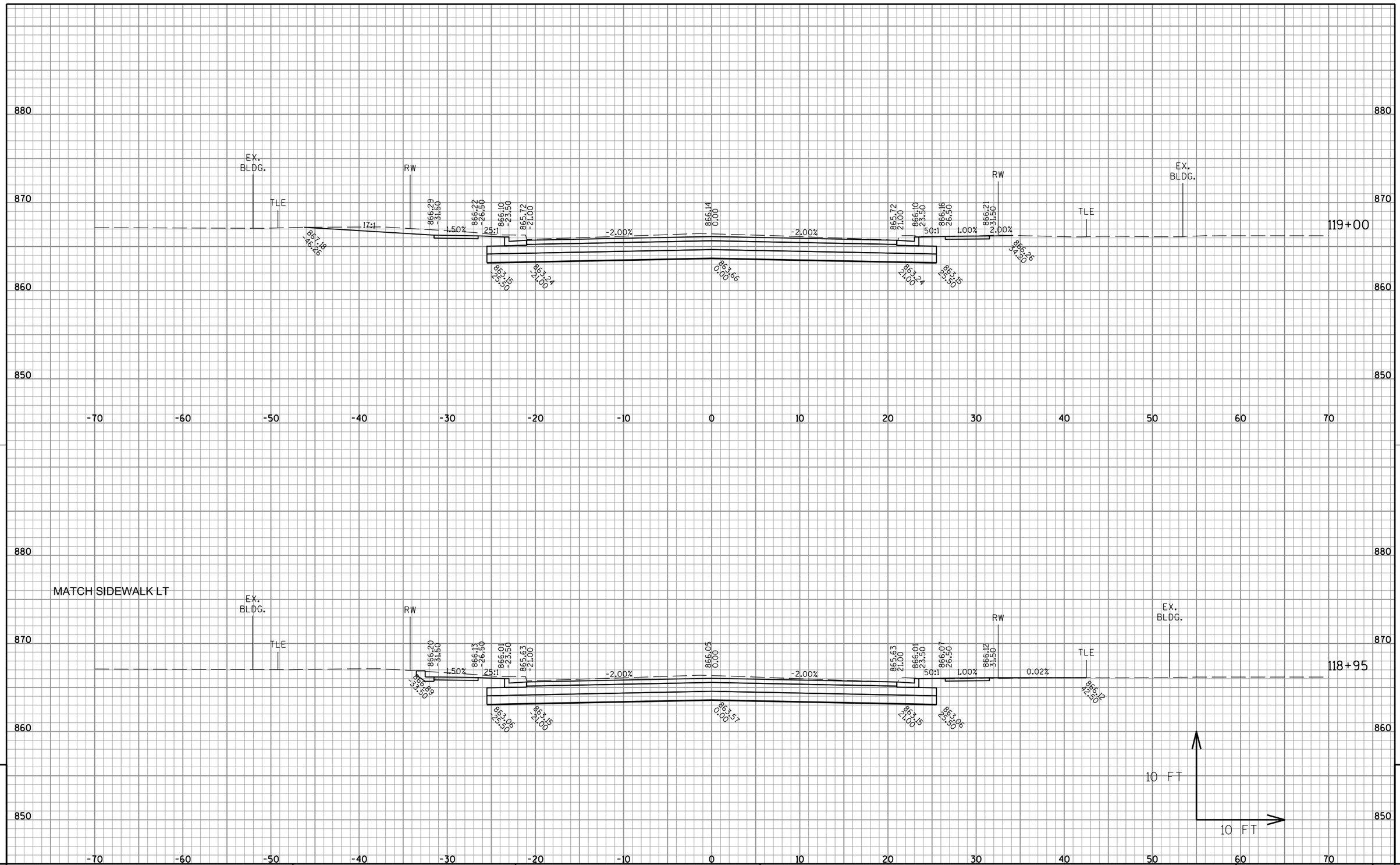
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 499	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



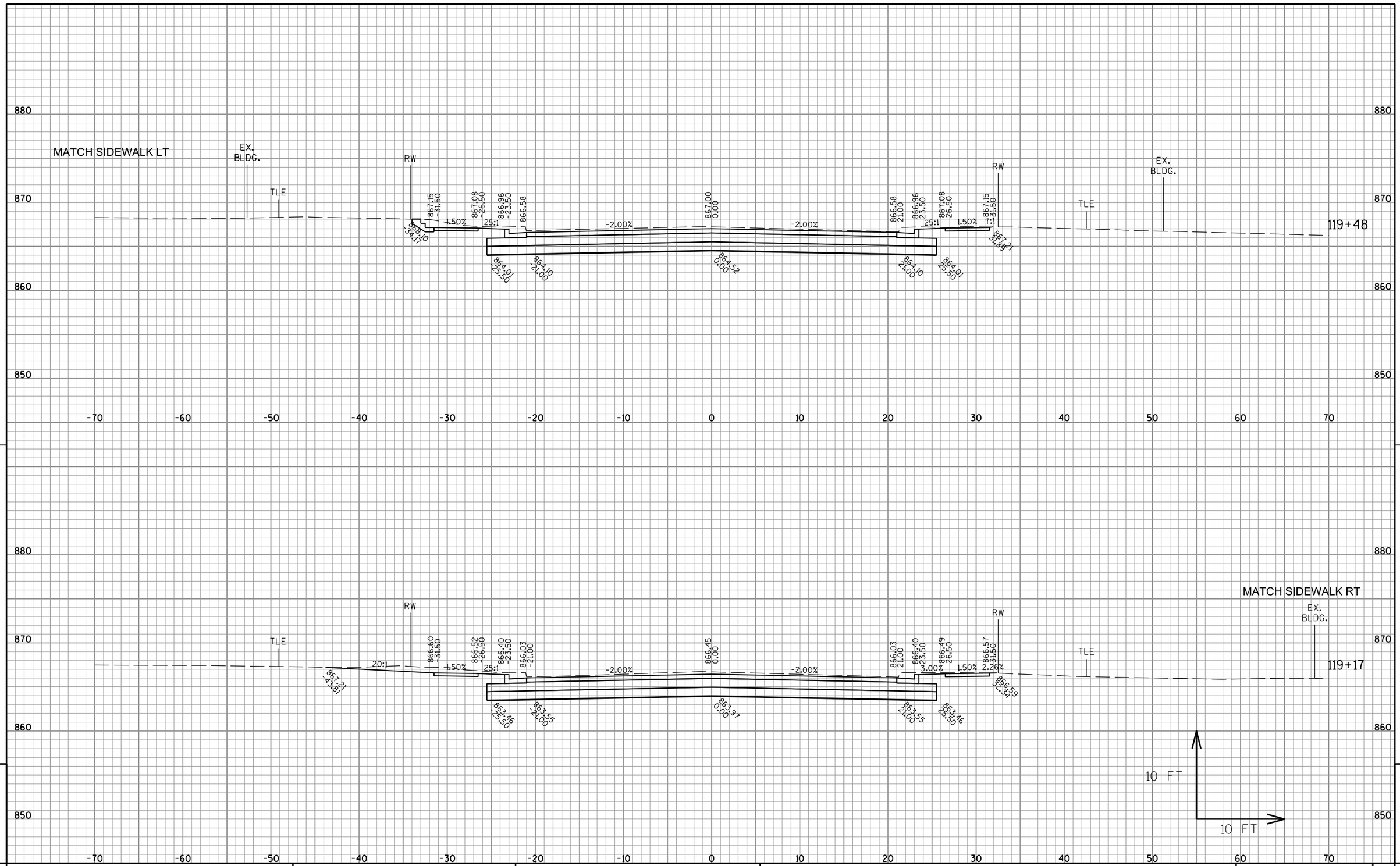
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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 500	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

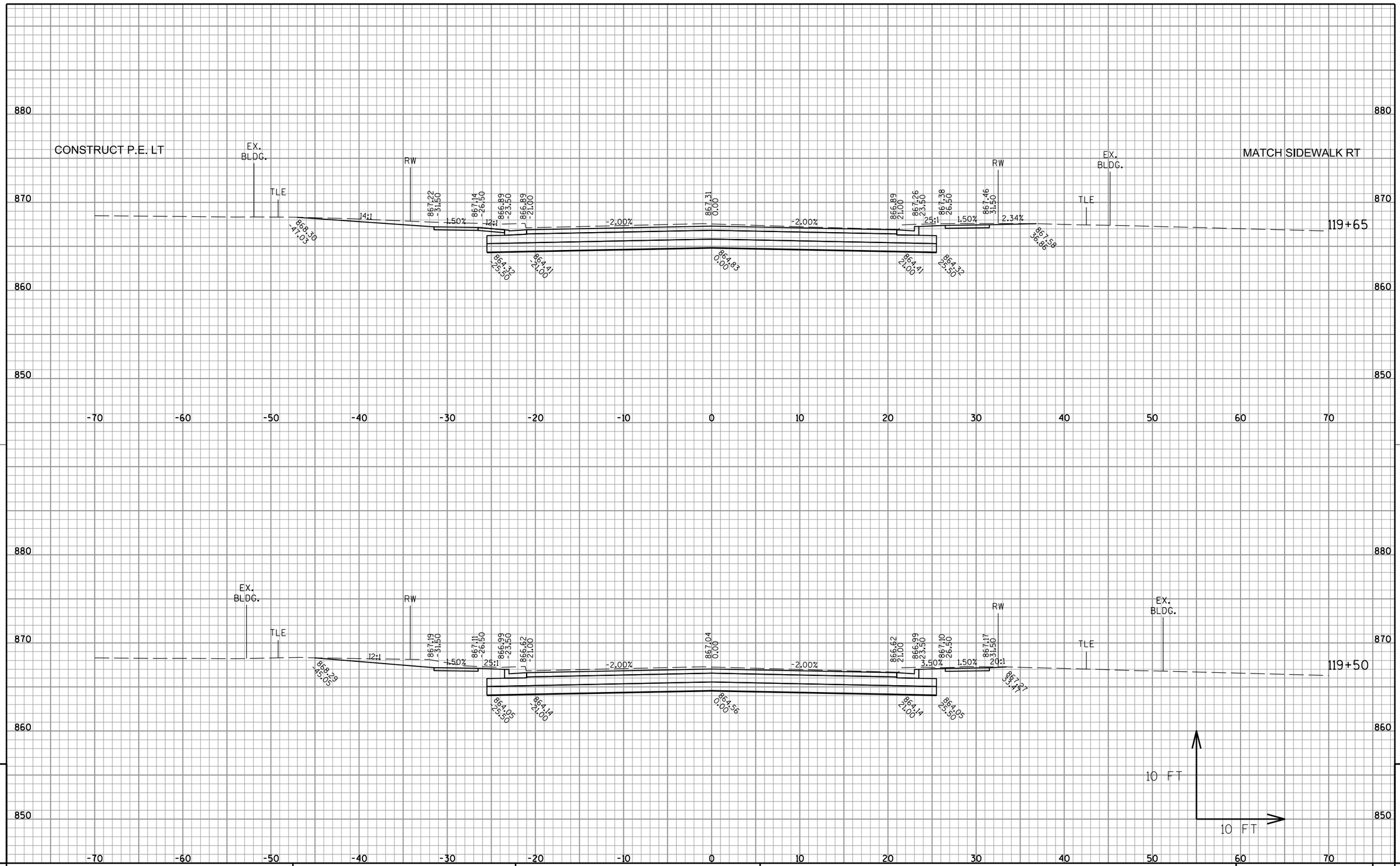
WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 501	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

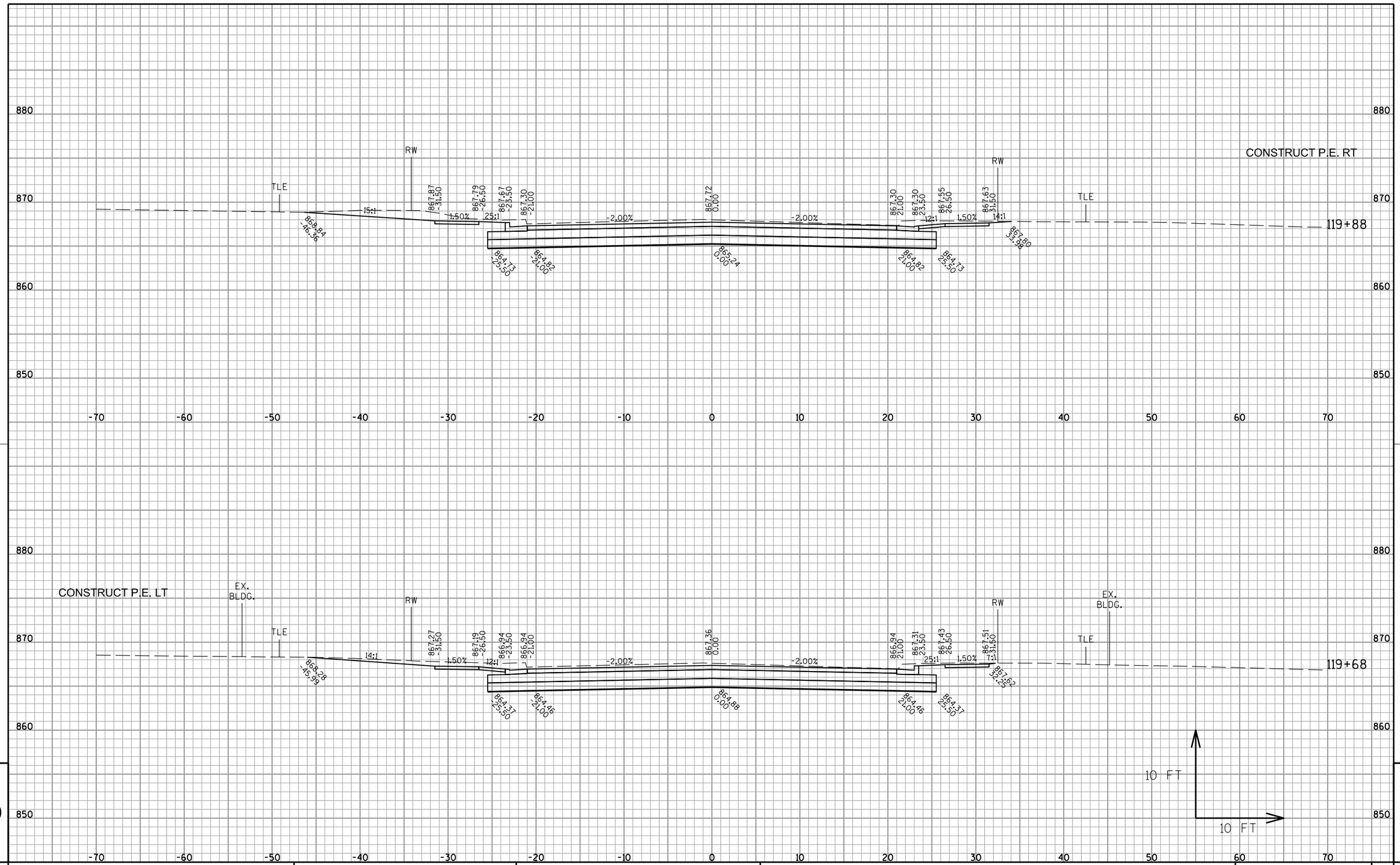
WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 502 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

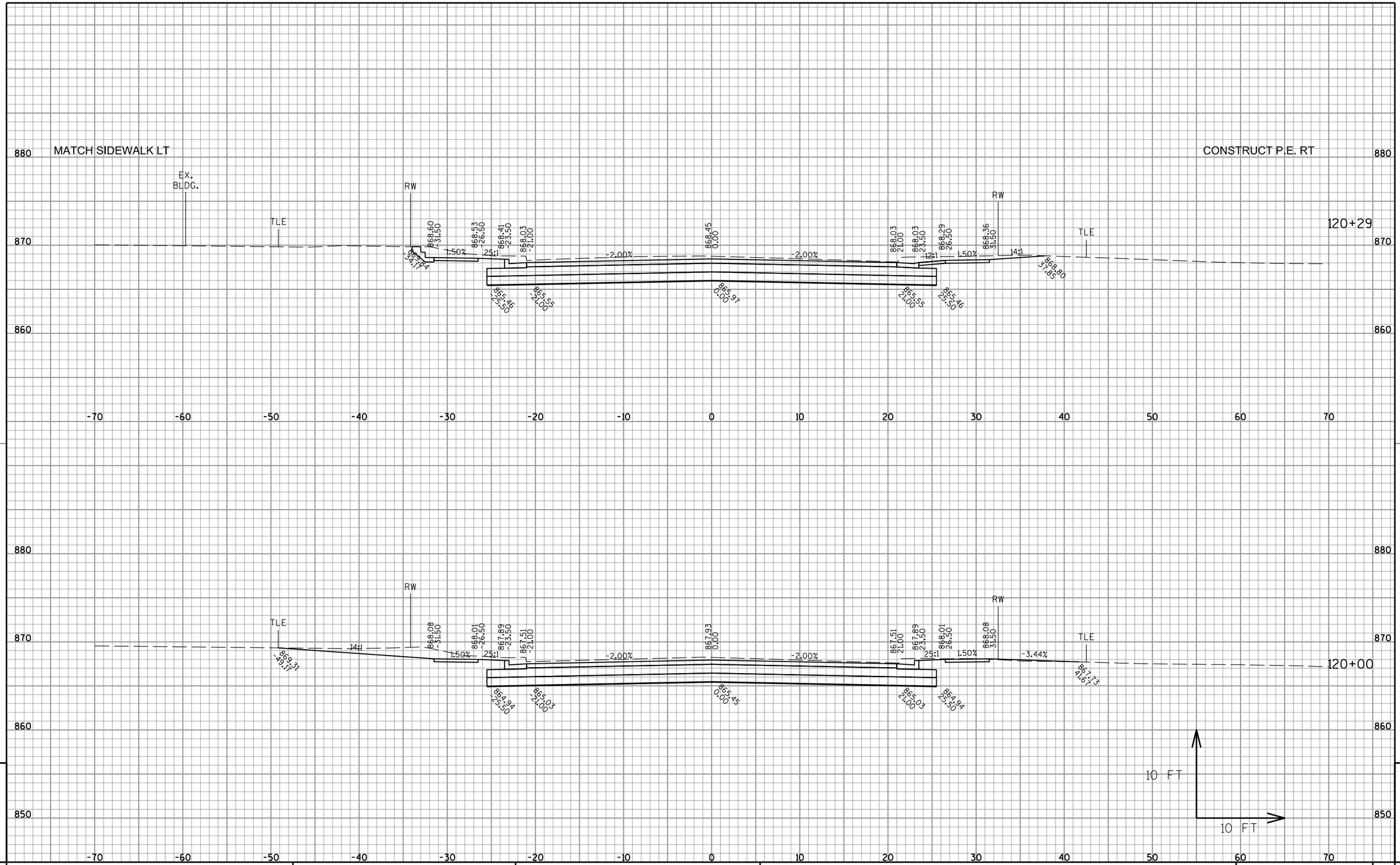


9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 503	E

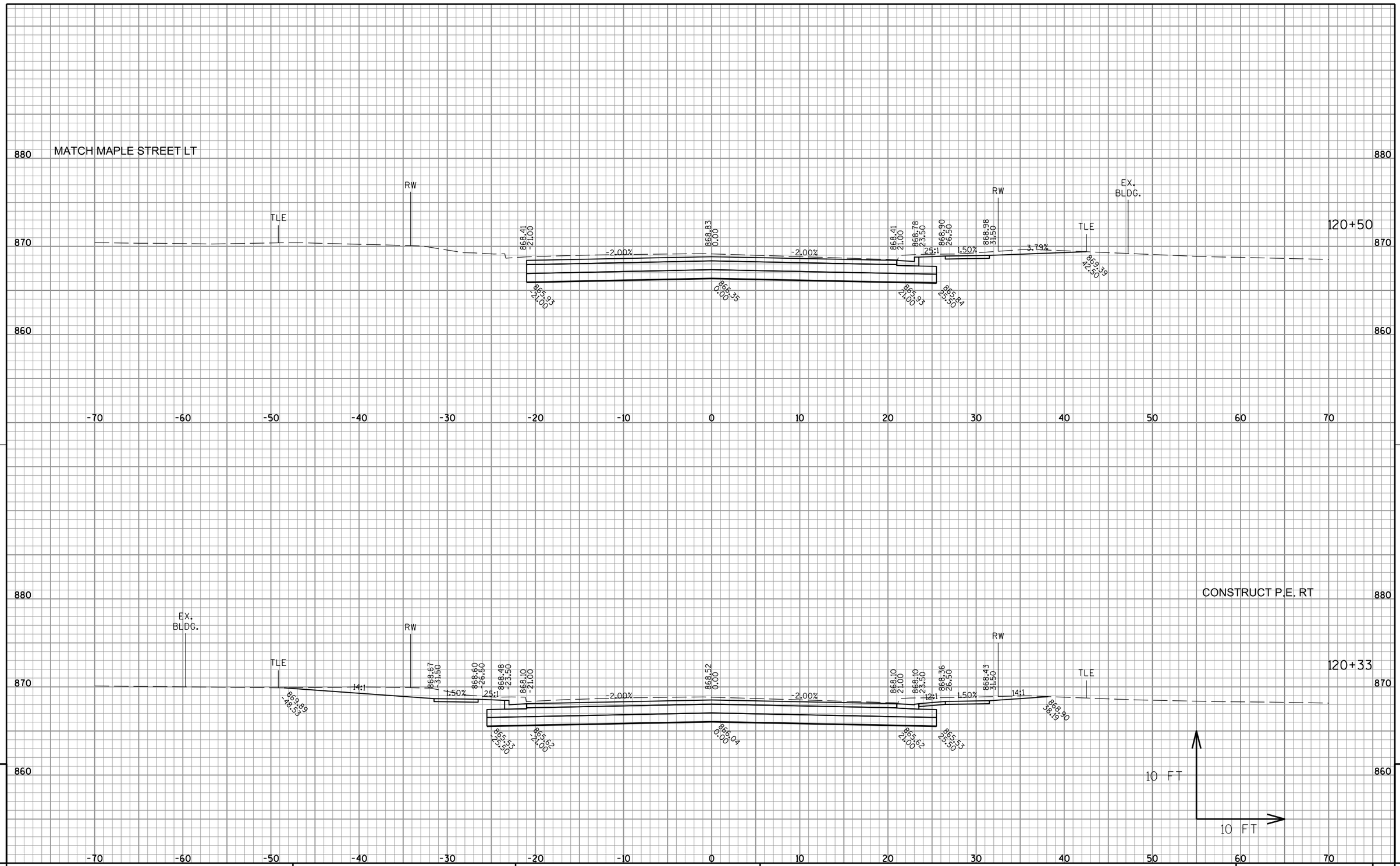
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 504 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

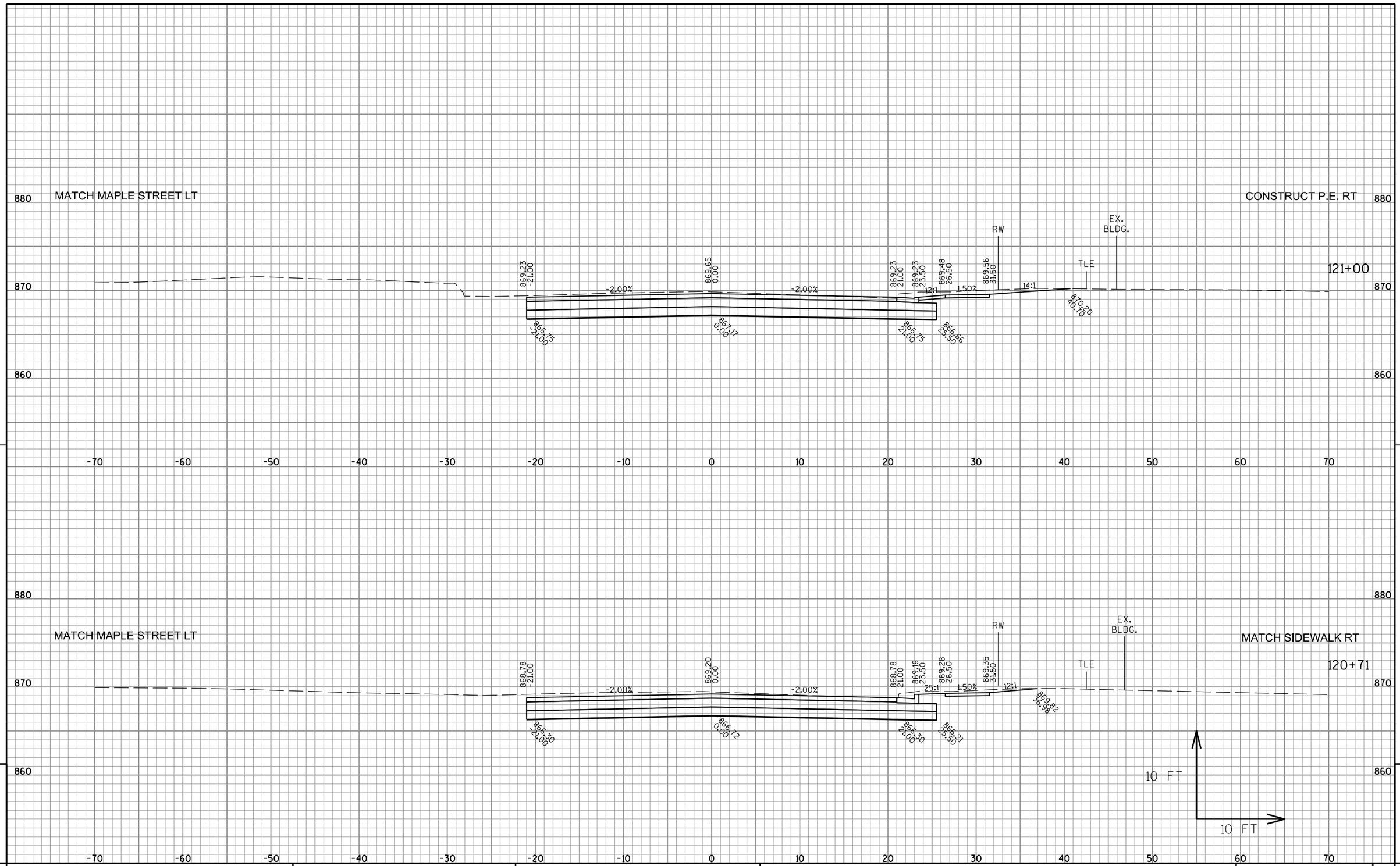


9

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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 505	E

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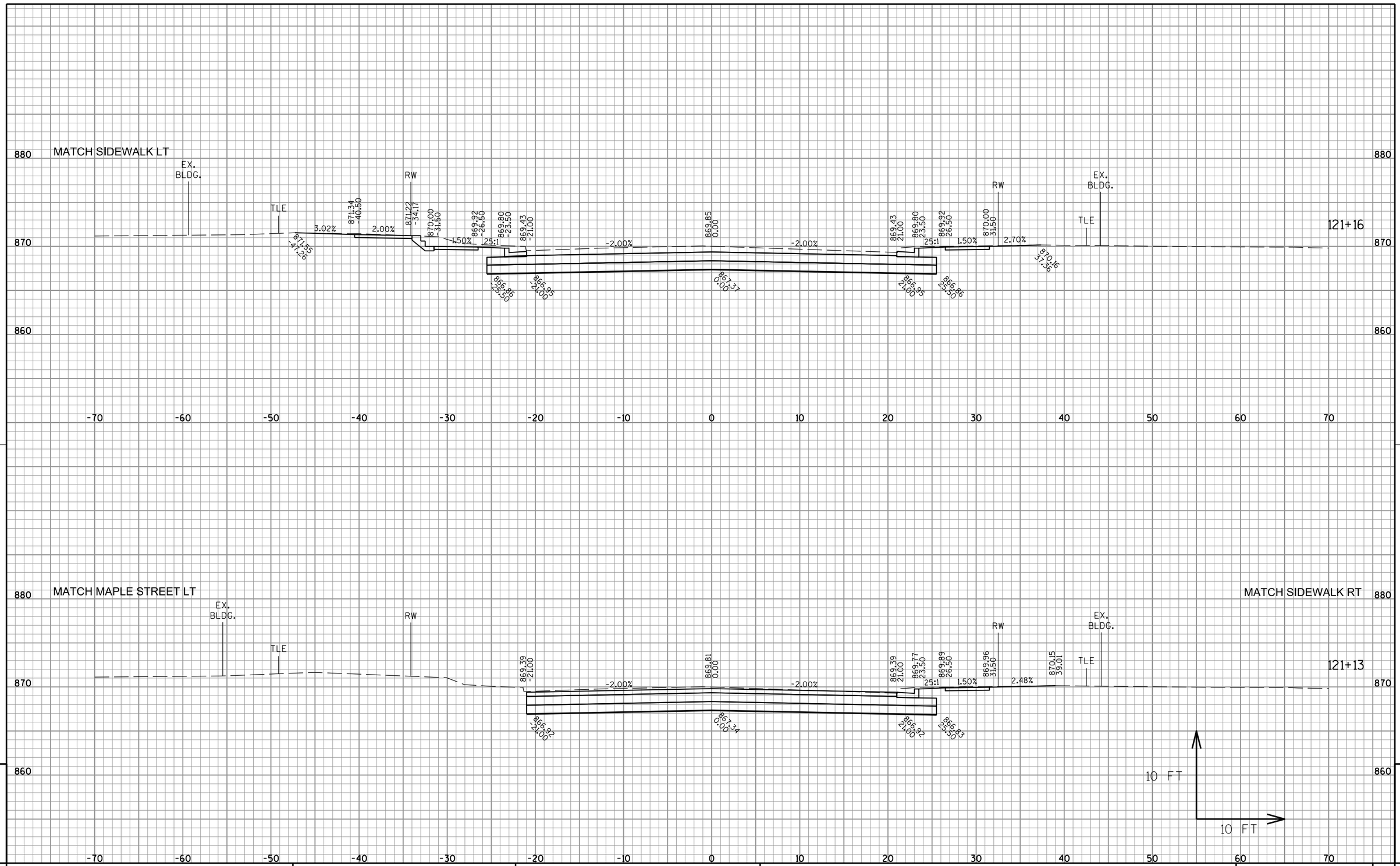
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 506	E

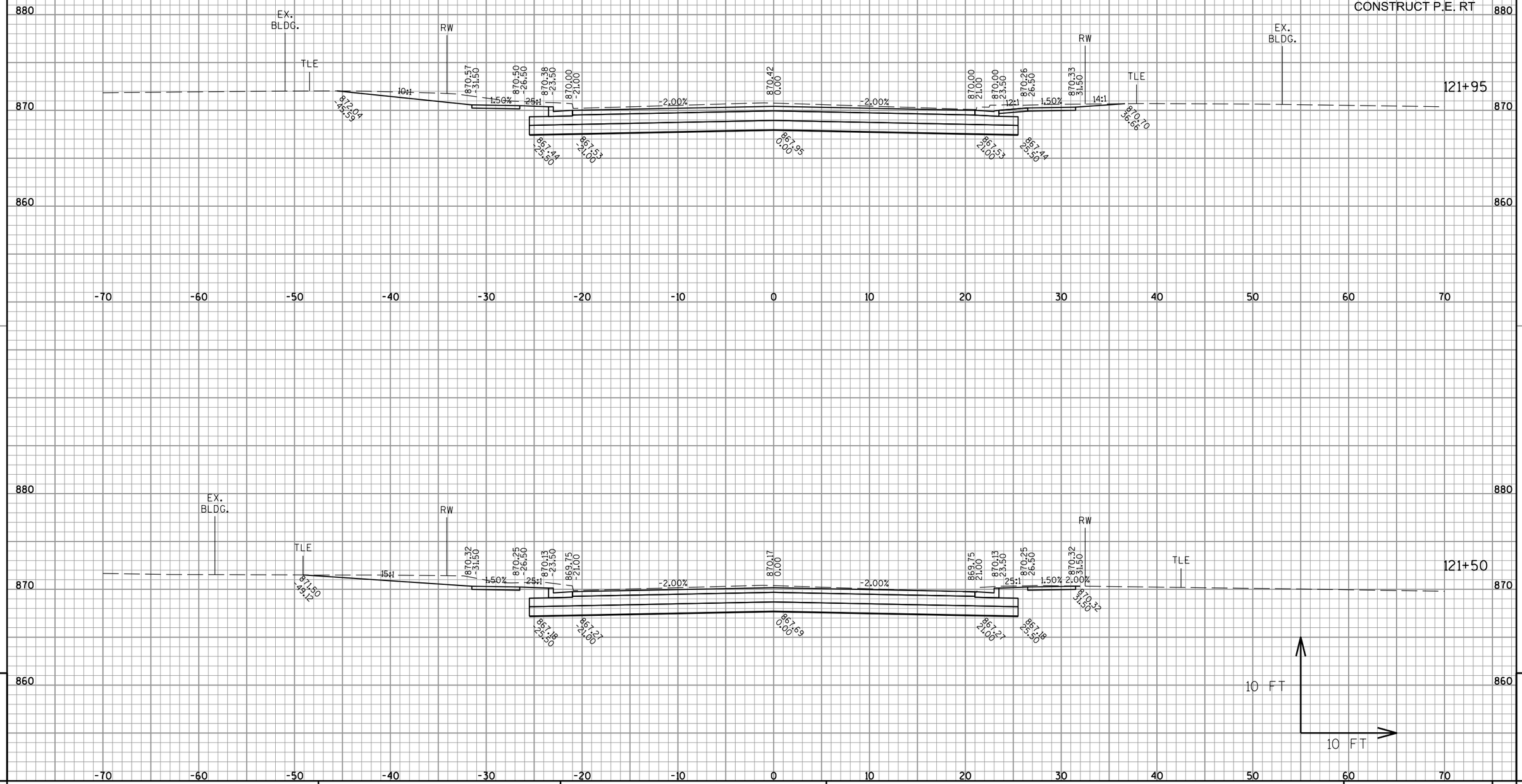
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WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 507 E

CONSTRUCT P.E. RT



121+95

121+50

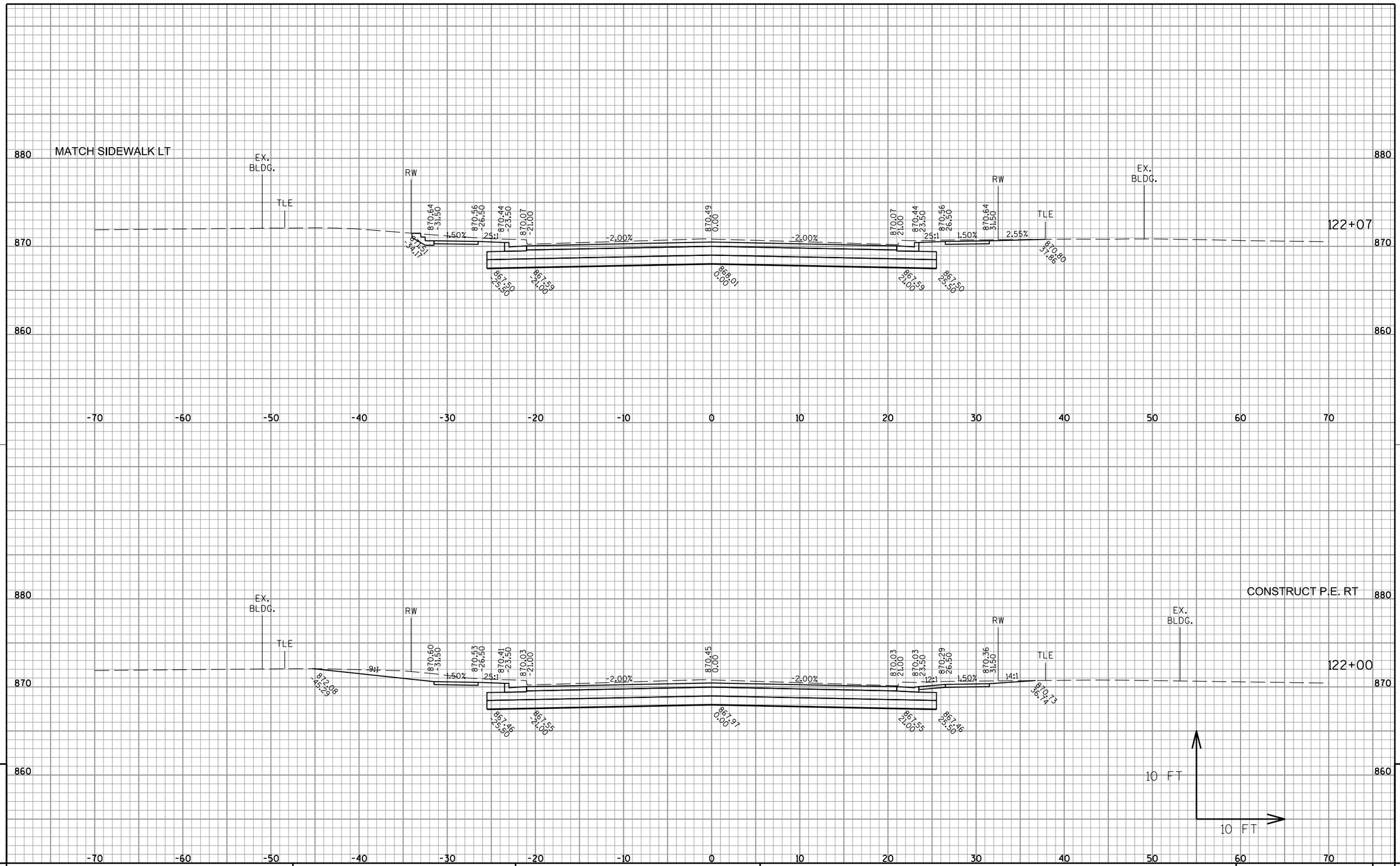
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 508	E

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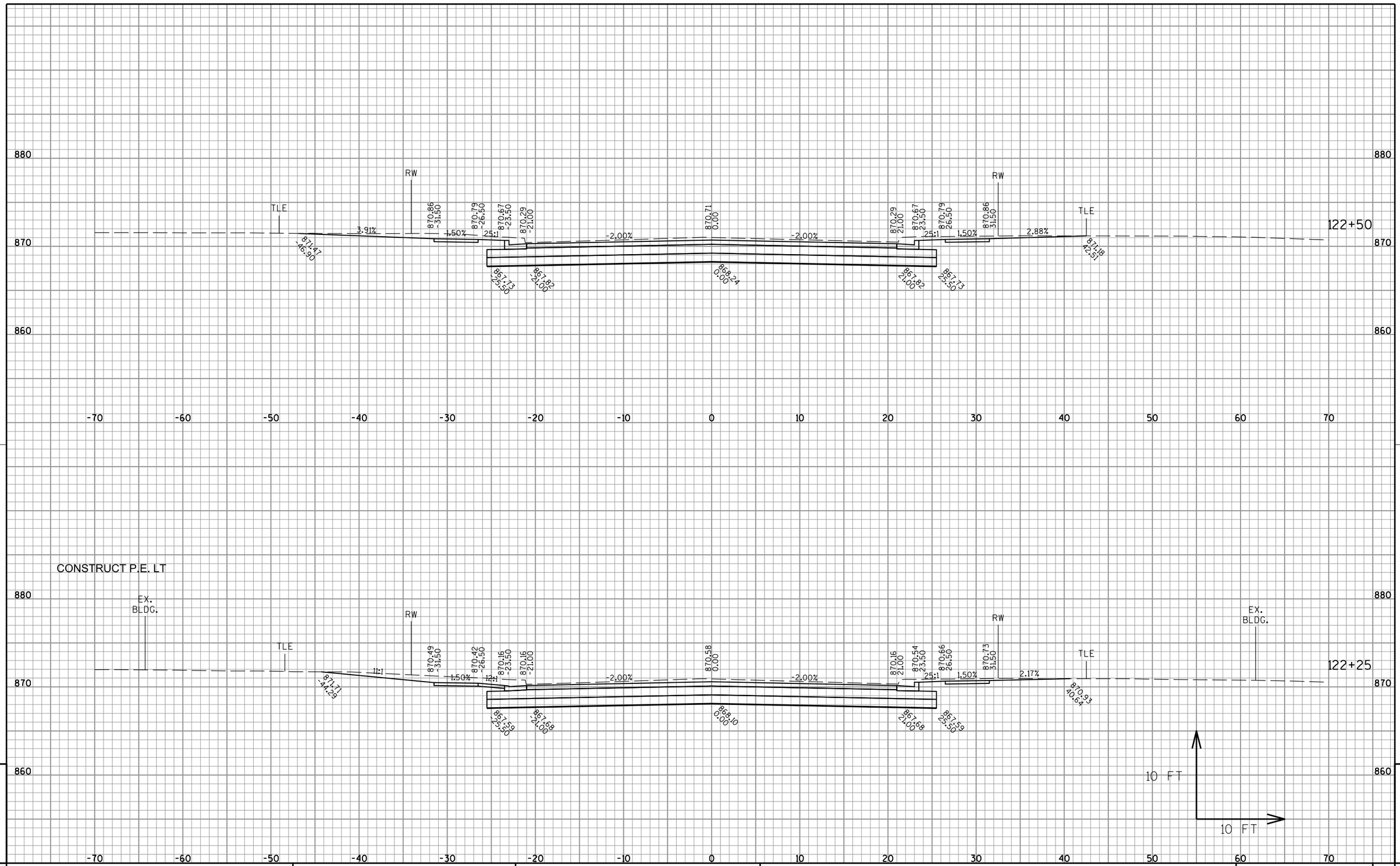
WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 509	E



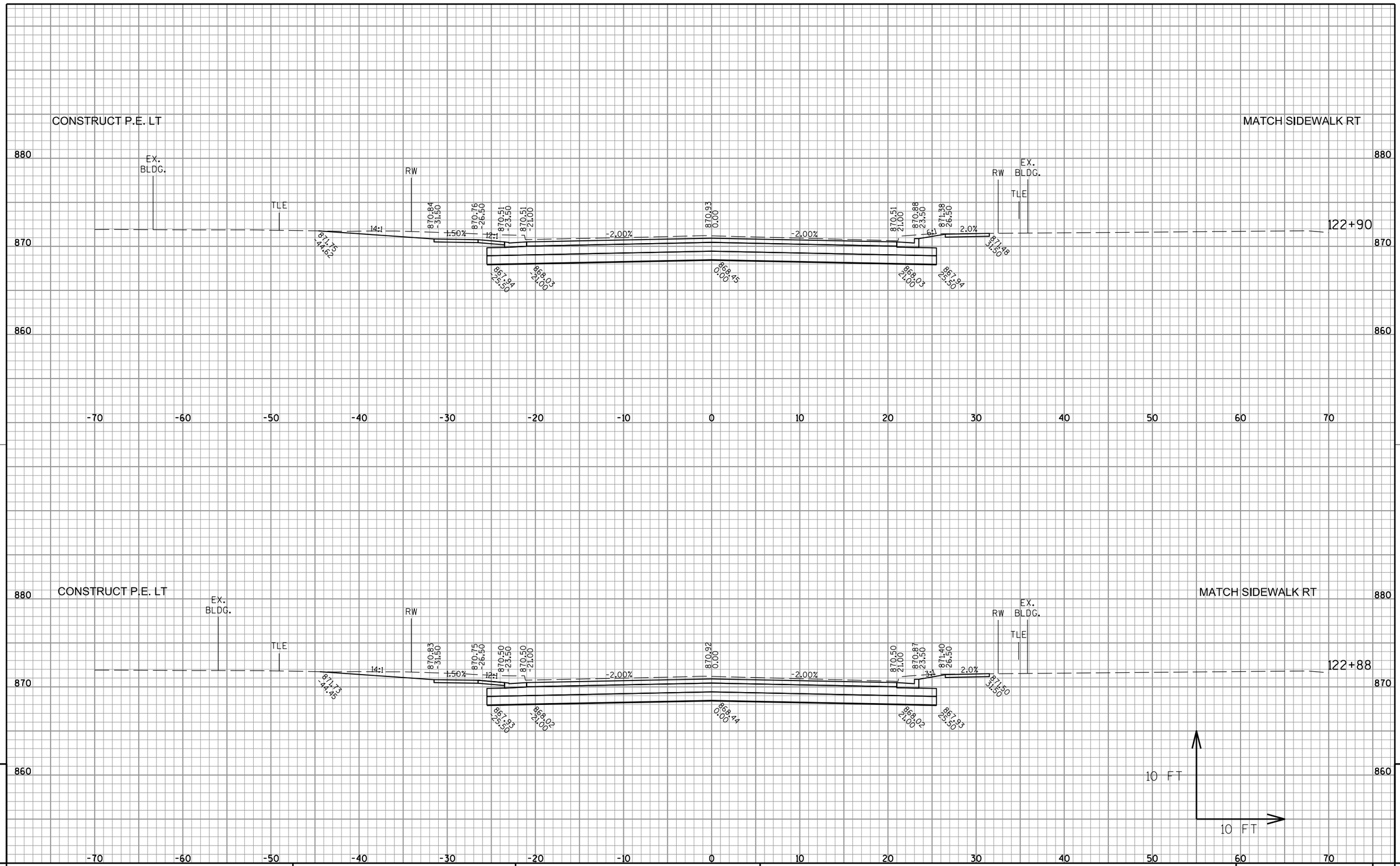
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 510	E

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WISDOT/CADDS SHEET 21



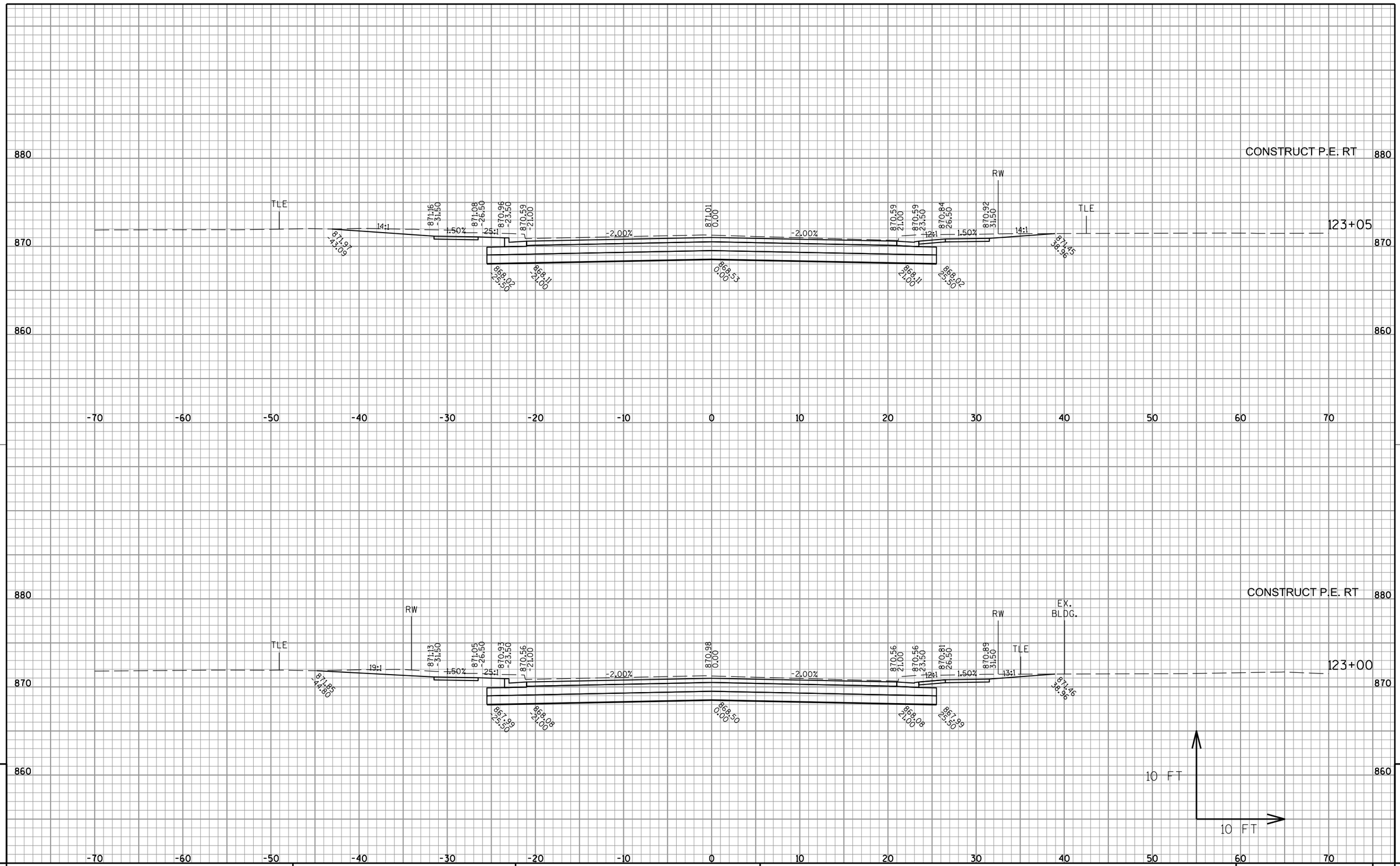
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 511	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

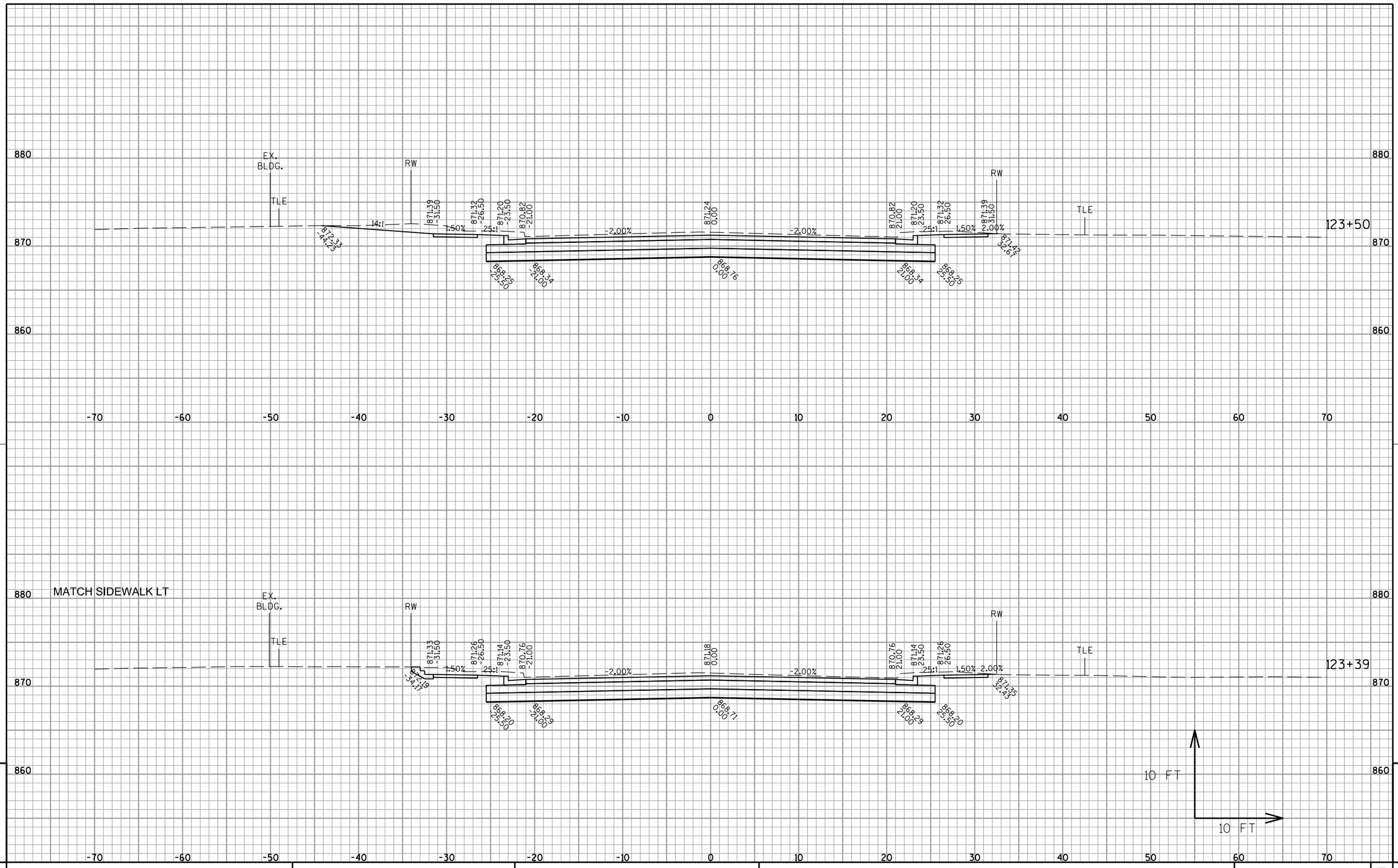


9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 512	E

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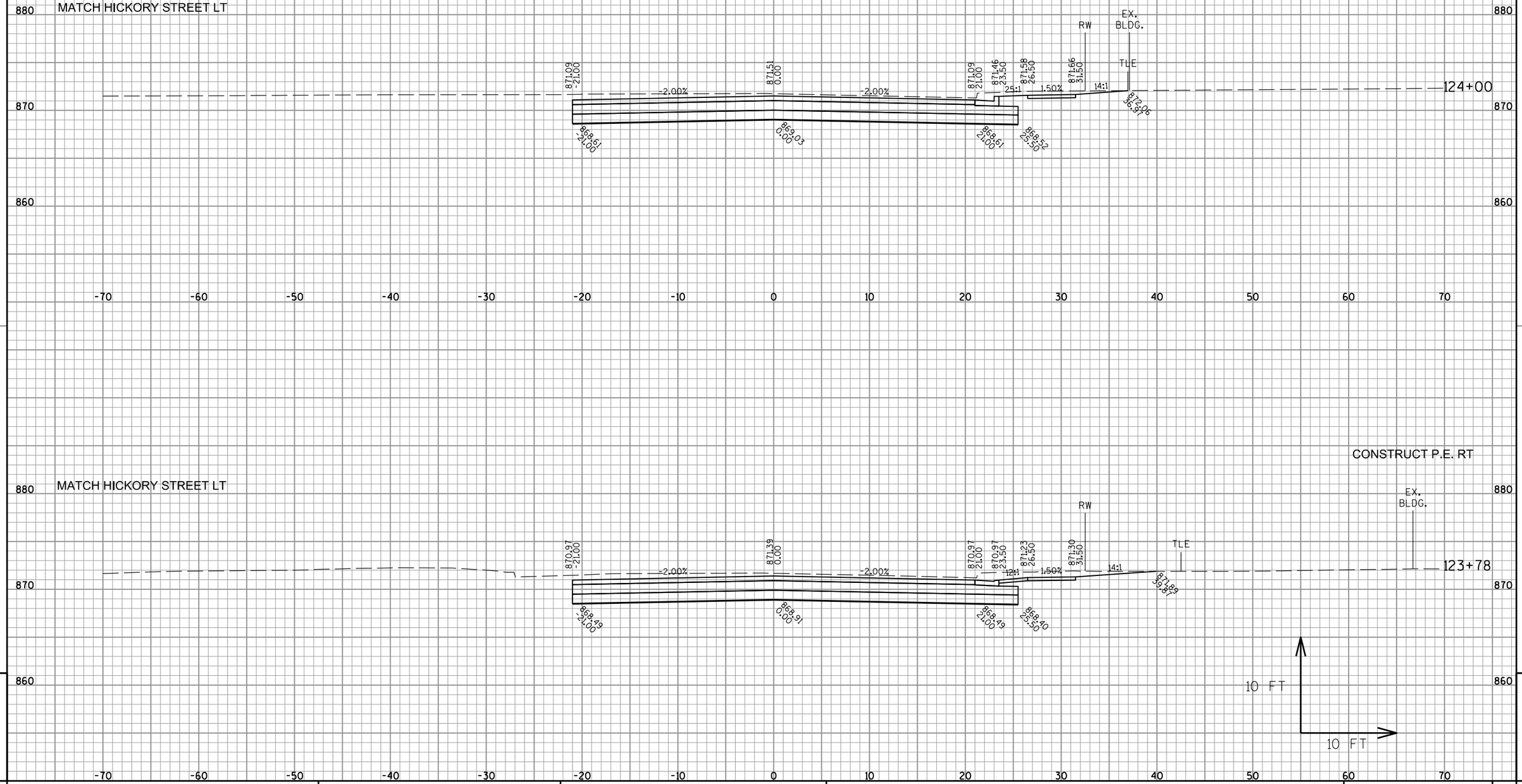


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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 513	E

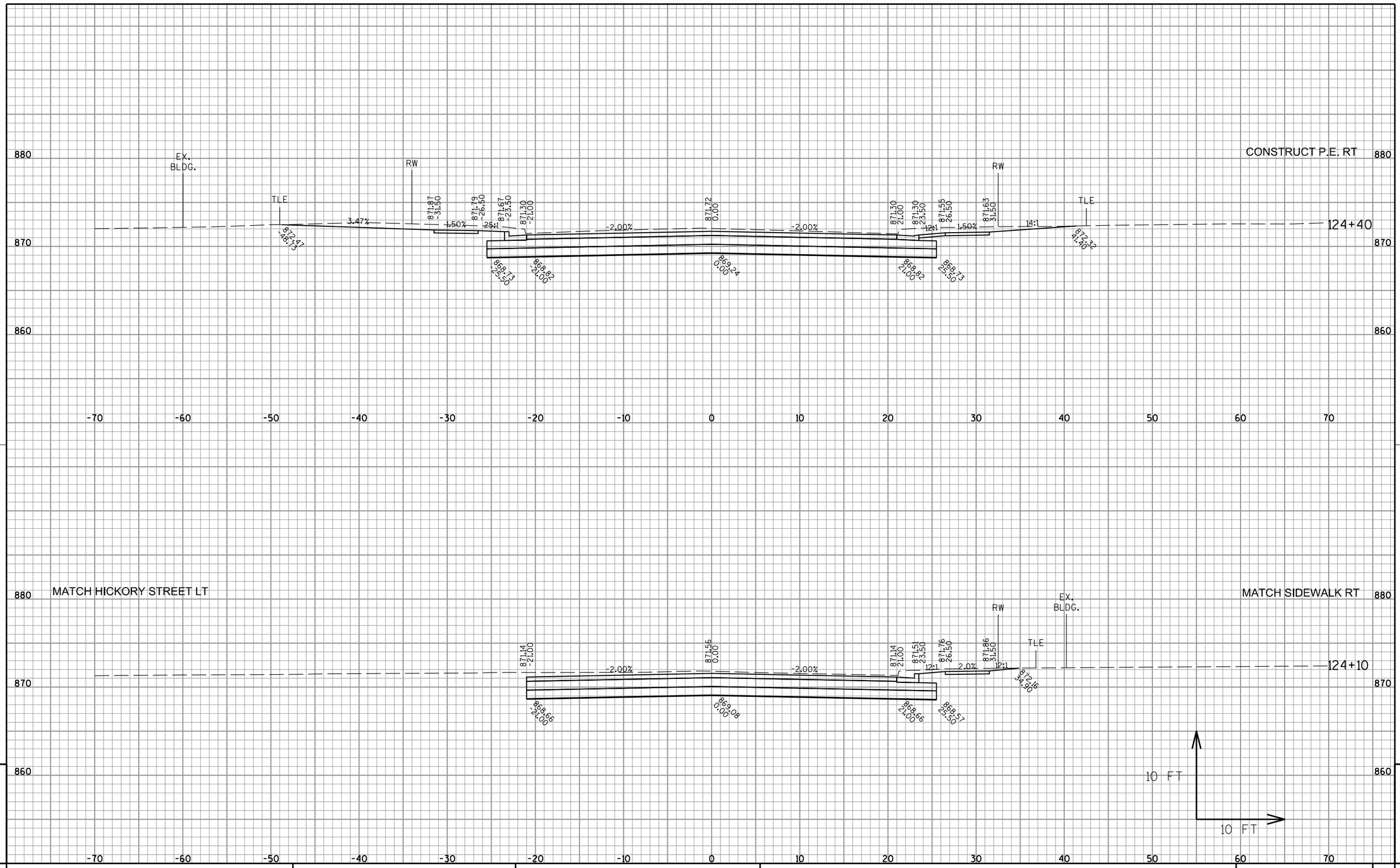
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9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 514	E



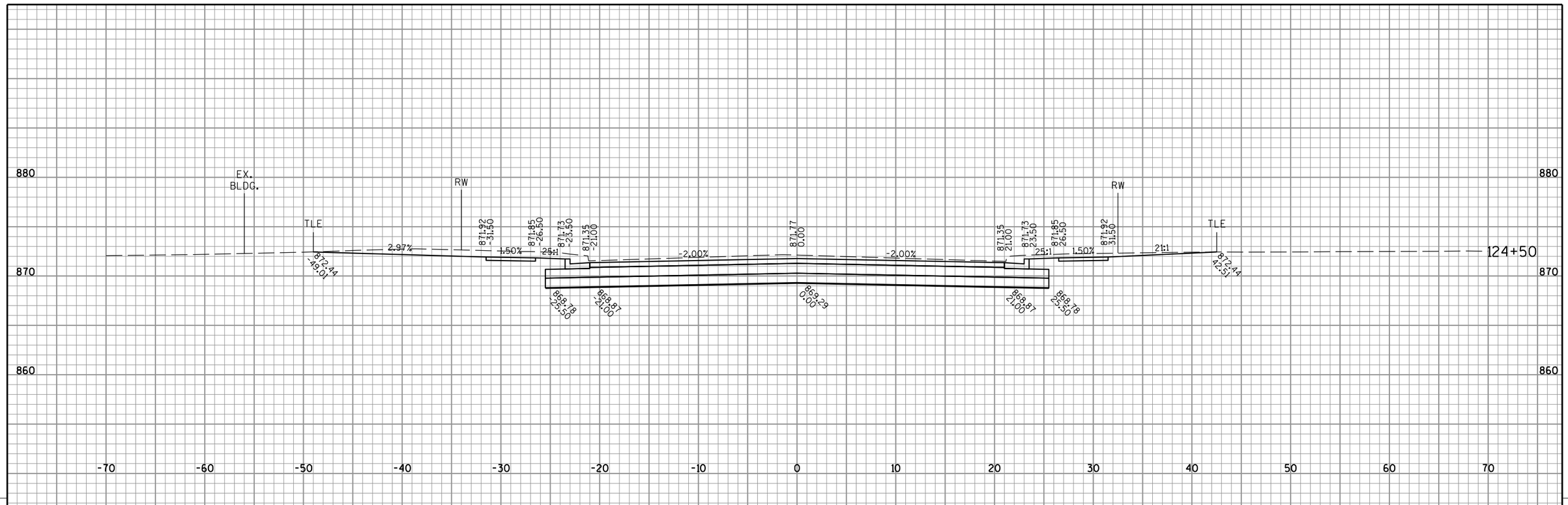
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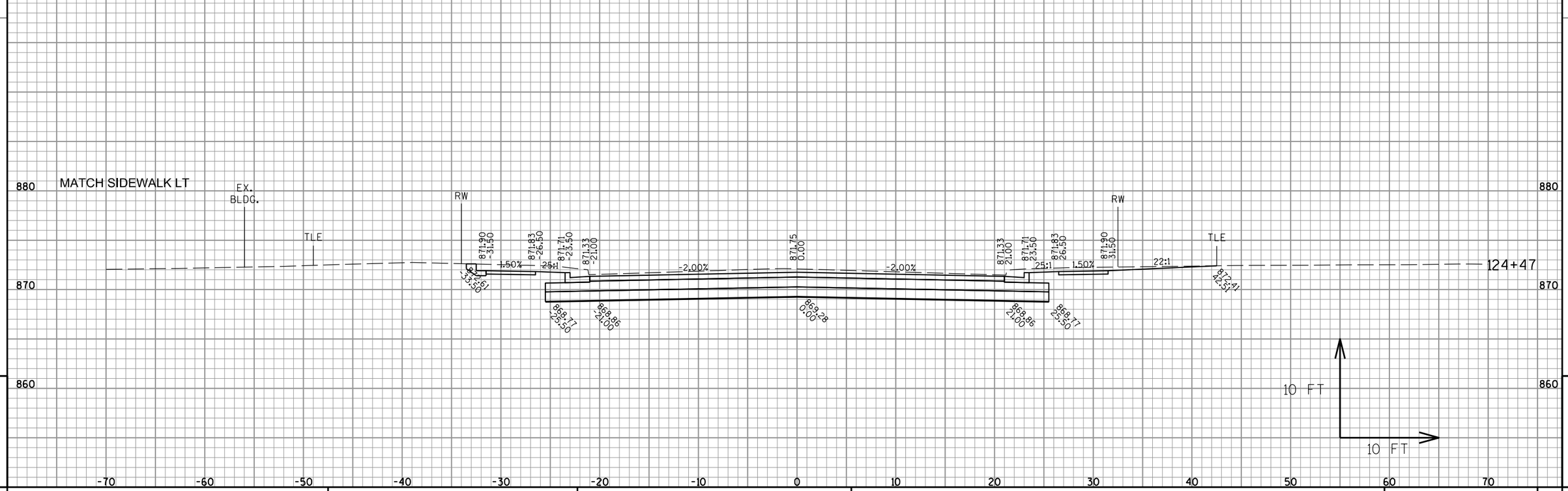
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 515 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



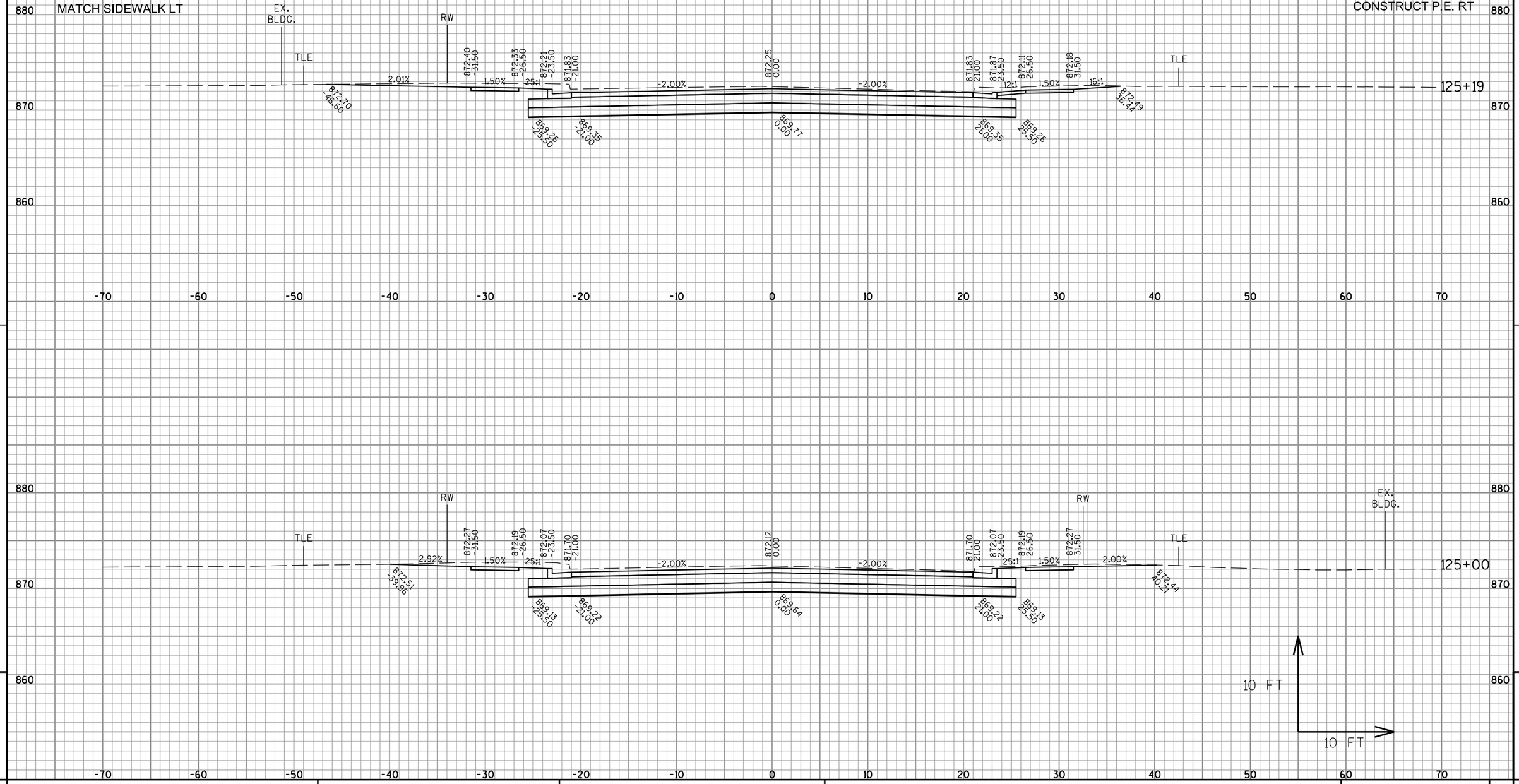


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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 516	E

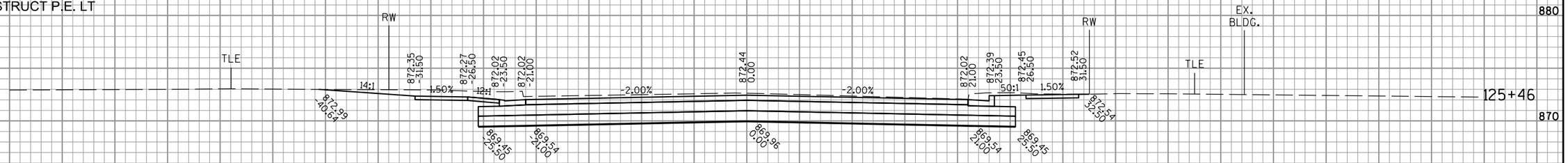
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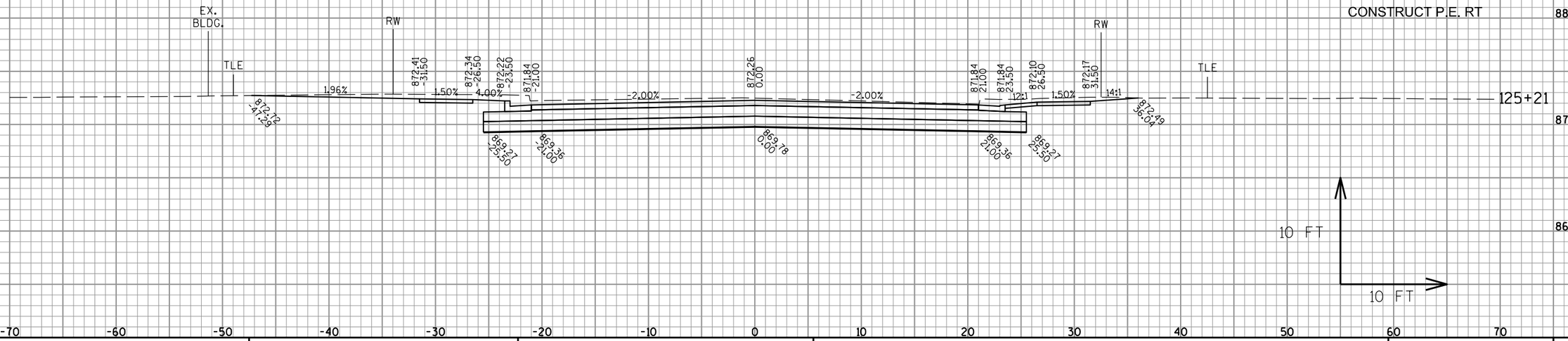


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 517 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.
WISDOT/CADDS SHEET 21

CONSTRUCT P.E. LT





880 870 860

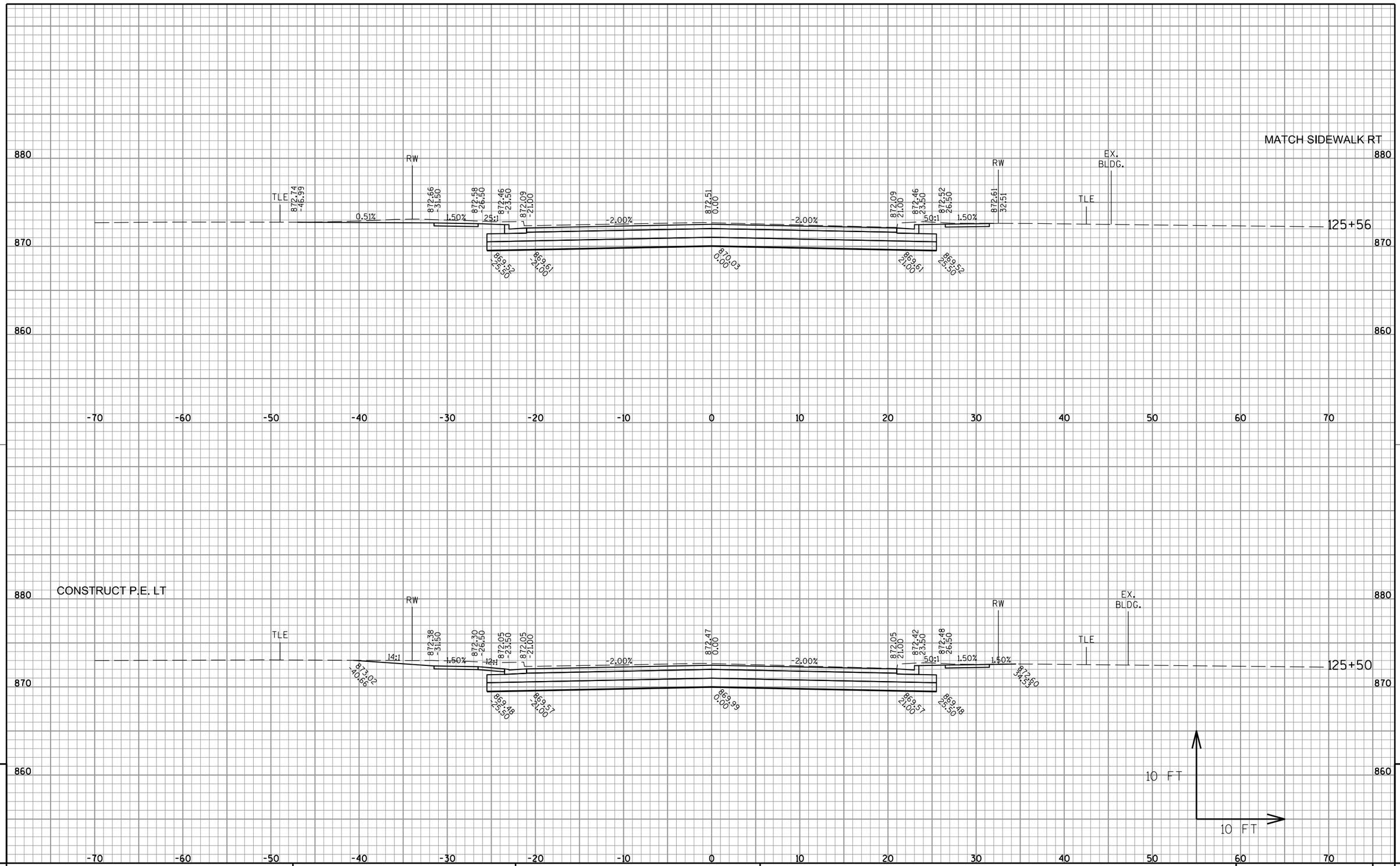
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 518	E

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WISDOT/CADDS SHEET 21



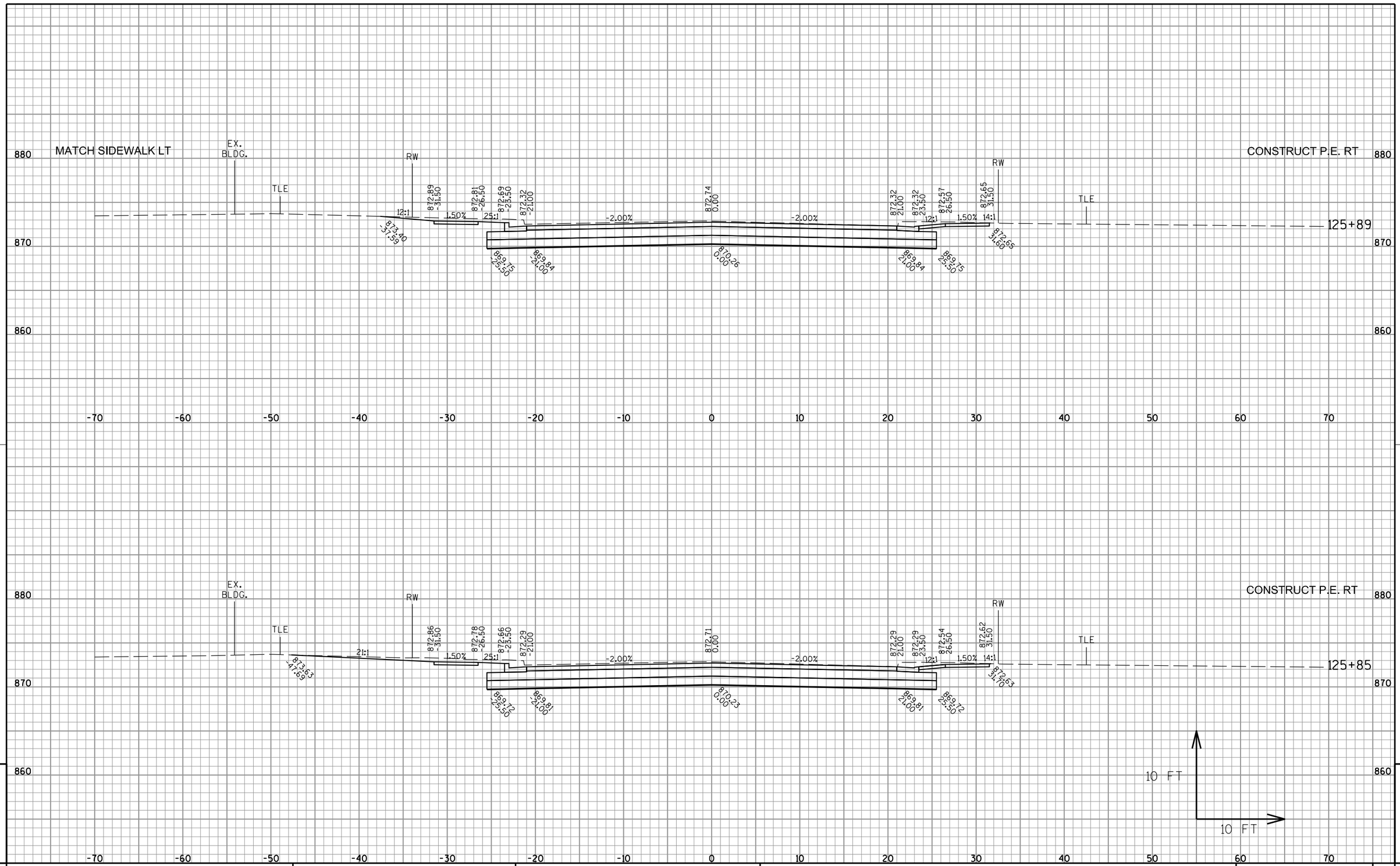
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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 519	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



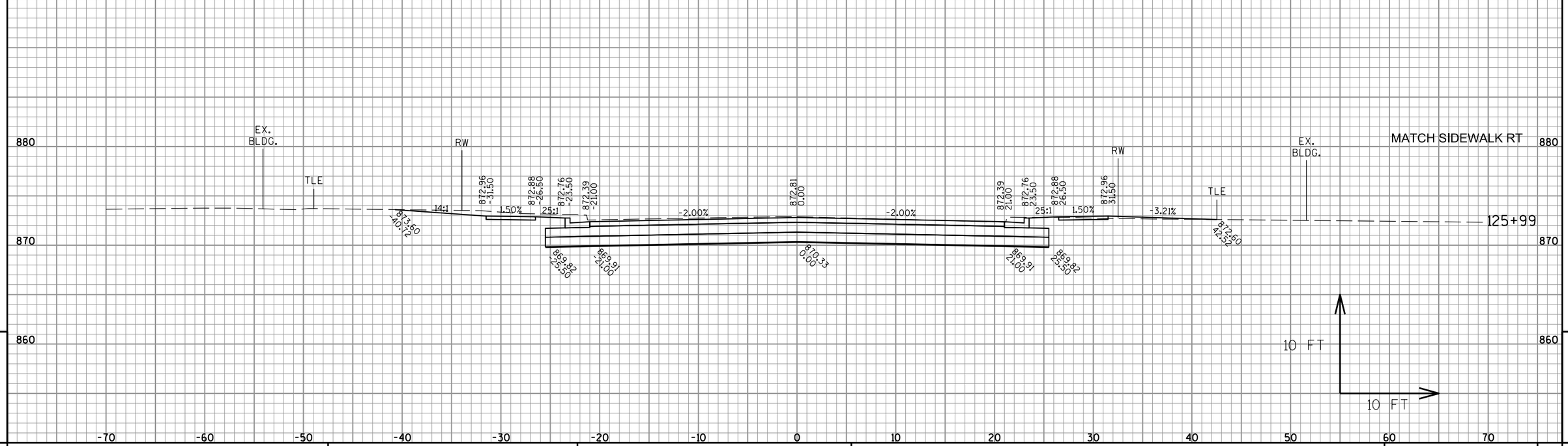
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 520	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090201_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



9

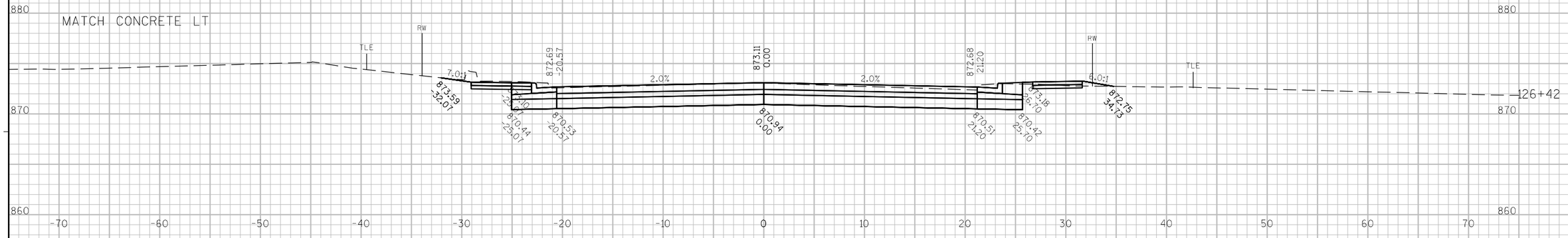
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 521	E

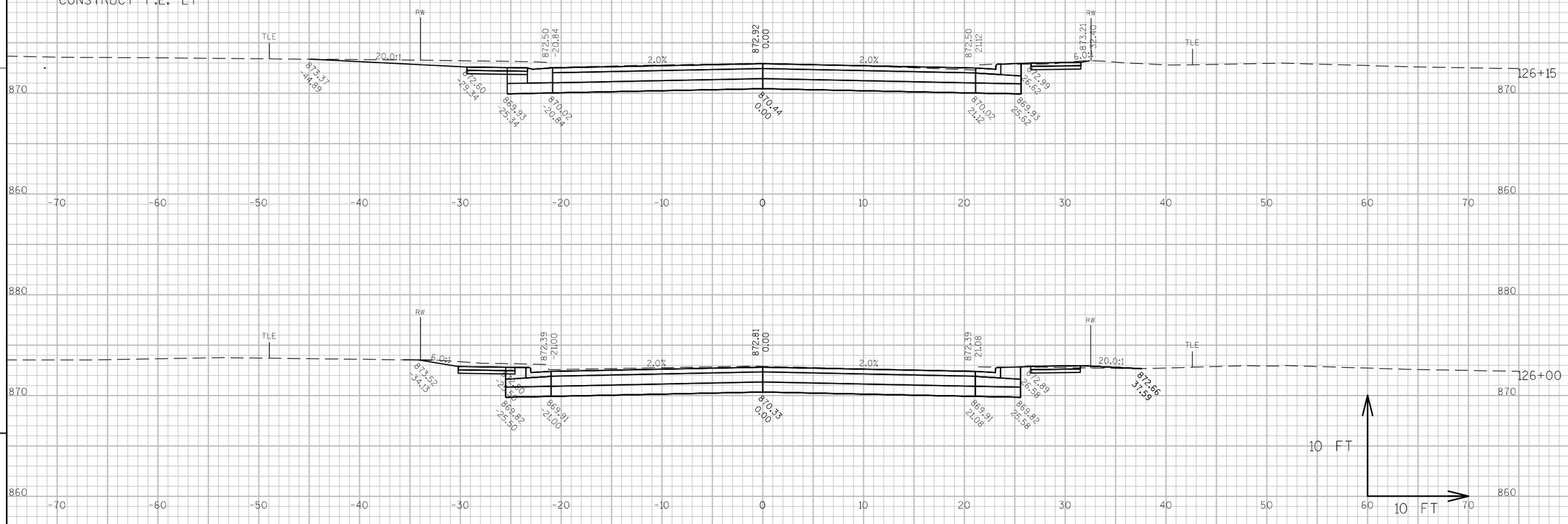
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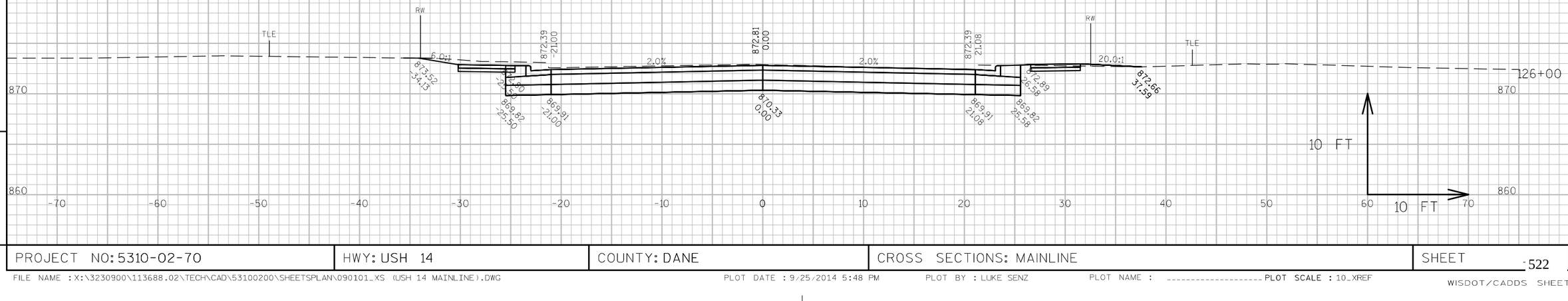
WISDOT/CADDS SHEET 21

MATCH CONCRETE LT



CONSTRUCT P.E. LT





PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 522	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 5:48 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

MATCH WILSON STREET LT

MATCH LAGOON STREET RT

873.01 -21.05 | 873.43 0.00 | 873.02 20.57

2.0% 2.0%

870.84 -21.05 | 871.26 0.00 | 870.85 20.57

RW TLE

127+00

880 870 860

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

REMOVE BLOCK WALL LT

MATCH CONCRETE WALL LT

TLE RW

872.91 -20.57 | 873.33 0.00 | 872.91 20.93

2.0% 2.0%

873.05 -29.07 | 870.66 -25.07 | 870.75 -20.57 | 871.16 0.00 | 870.74 20.93 | 870.65 25.43 | 873.41 26.43 | 873.48 31.37 | 873.28 32.65

RW 6.0:1 TLE

126+81

REMOVE BLOCK WALL LT

MATCH CONCRETE WALL LT

TLE RW

872.75 -20.49 | 873.16 0.00 | 872.74 21.23

2.0% 2.0%

873.22 -28.99 | 870.49 -24.99 | 870.58 -20.49 | 870.99 0.00 | 870.57 21.23 | 870.48 25.73 | 873.23 26.73 | 872.94 33.90

RW 6.0:1 TLE

126+50

10 FT 10 FT

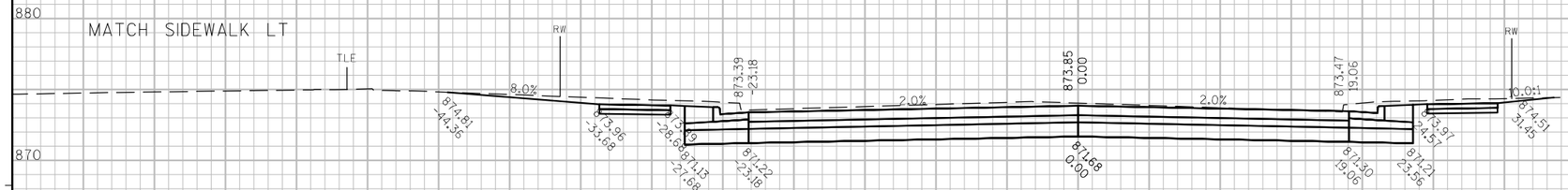
9 9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 523	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 5:49 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

MATCH SIDEWALK LT



127+80

MATCH WILSON STREET LT



127+50

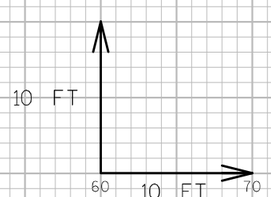
MATCH WILSON STREET LT



127+40

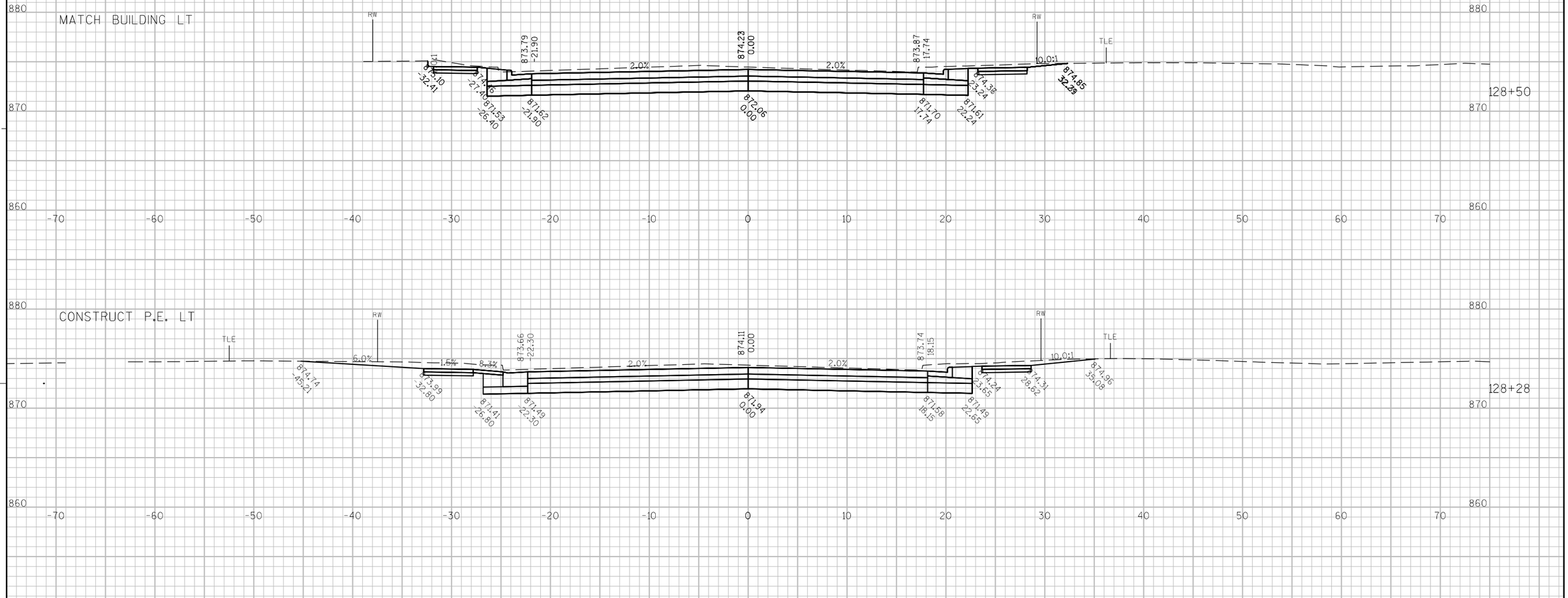
MATCH LAGOON STREET RT

MATCH LAGOON STREET RT

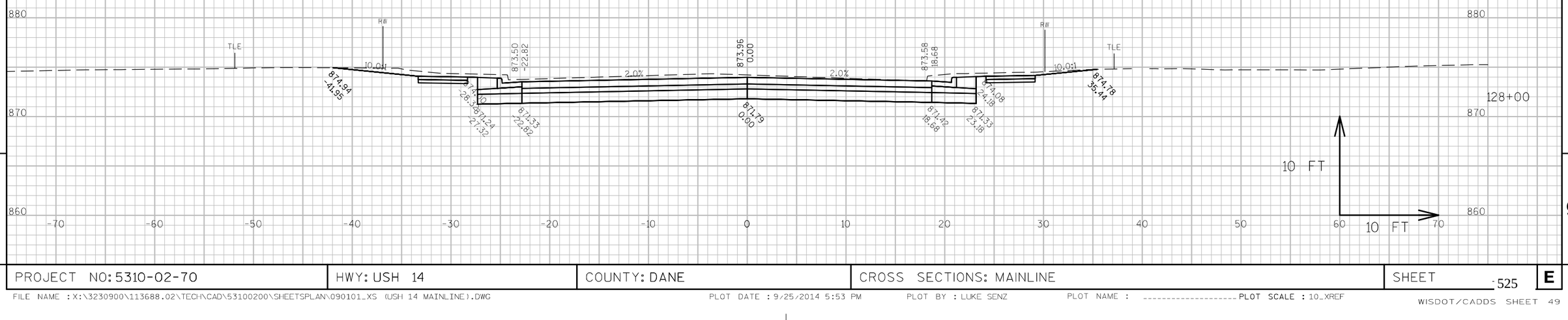


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 524	E

MATCH BUILDING LT



CONSTRUCT P.E. LT

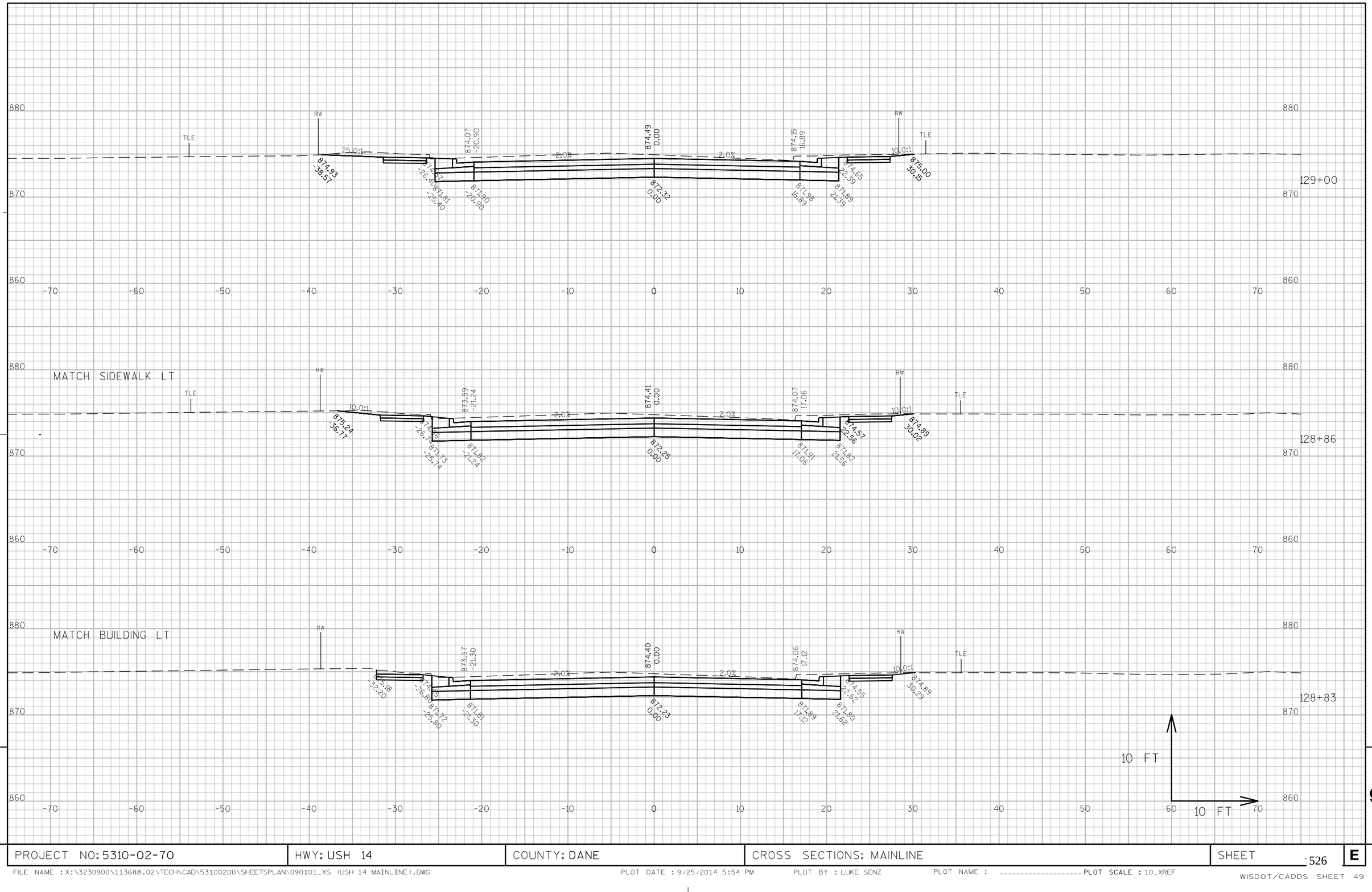


9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 525	E

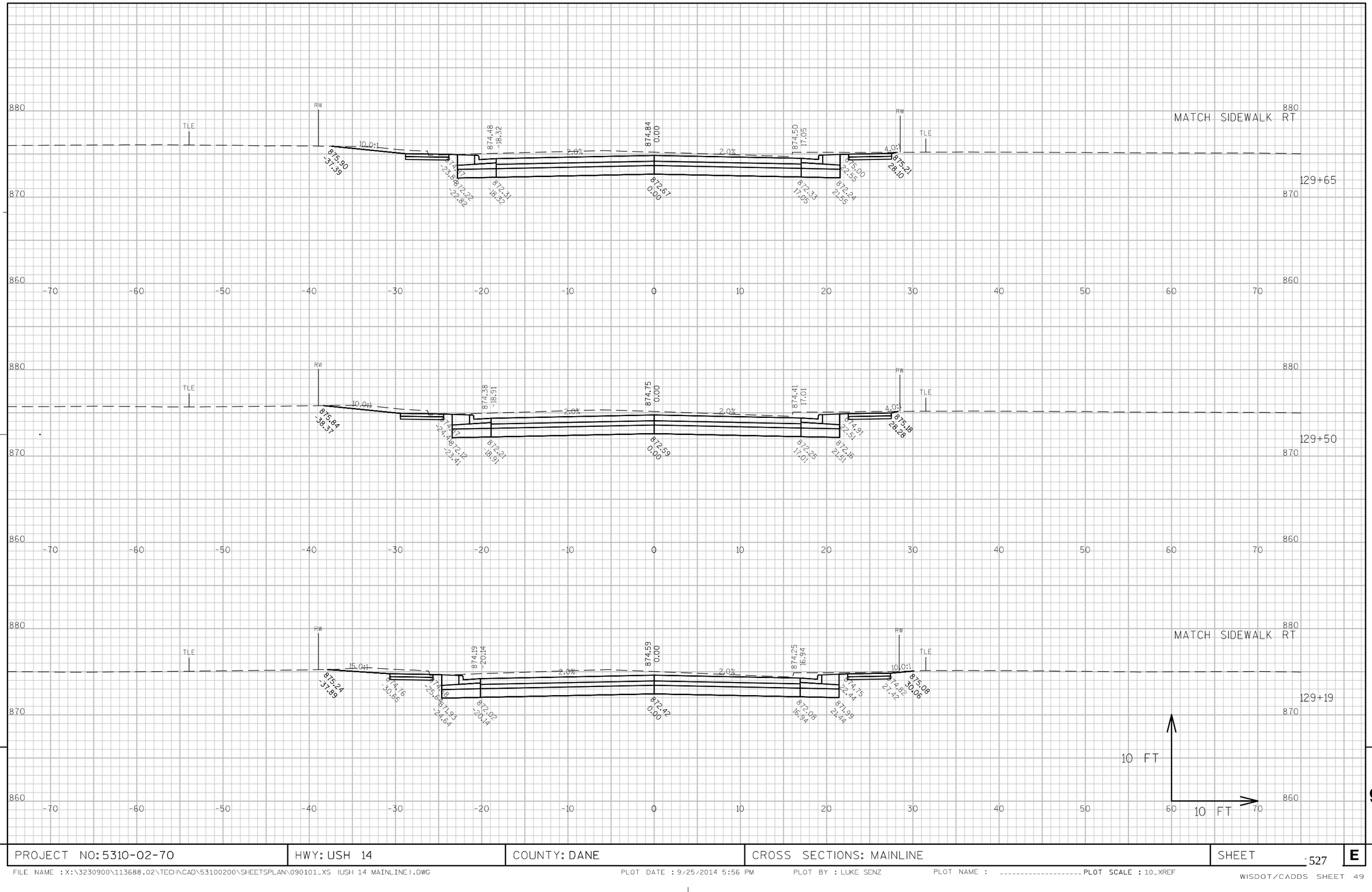
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 5:53 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 526	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 5:54 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 527	E

MATCH MILL STREET LT



130+50

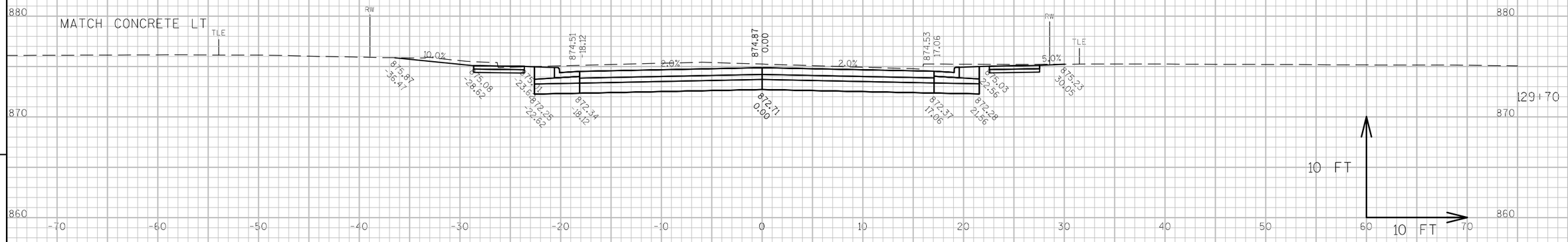
MATCH CONCRETE LT

MATCH SIDEWALK RT



130+00

MATCH CONCRETE LT

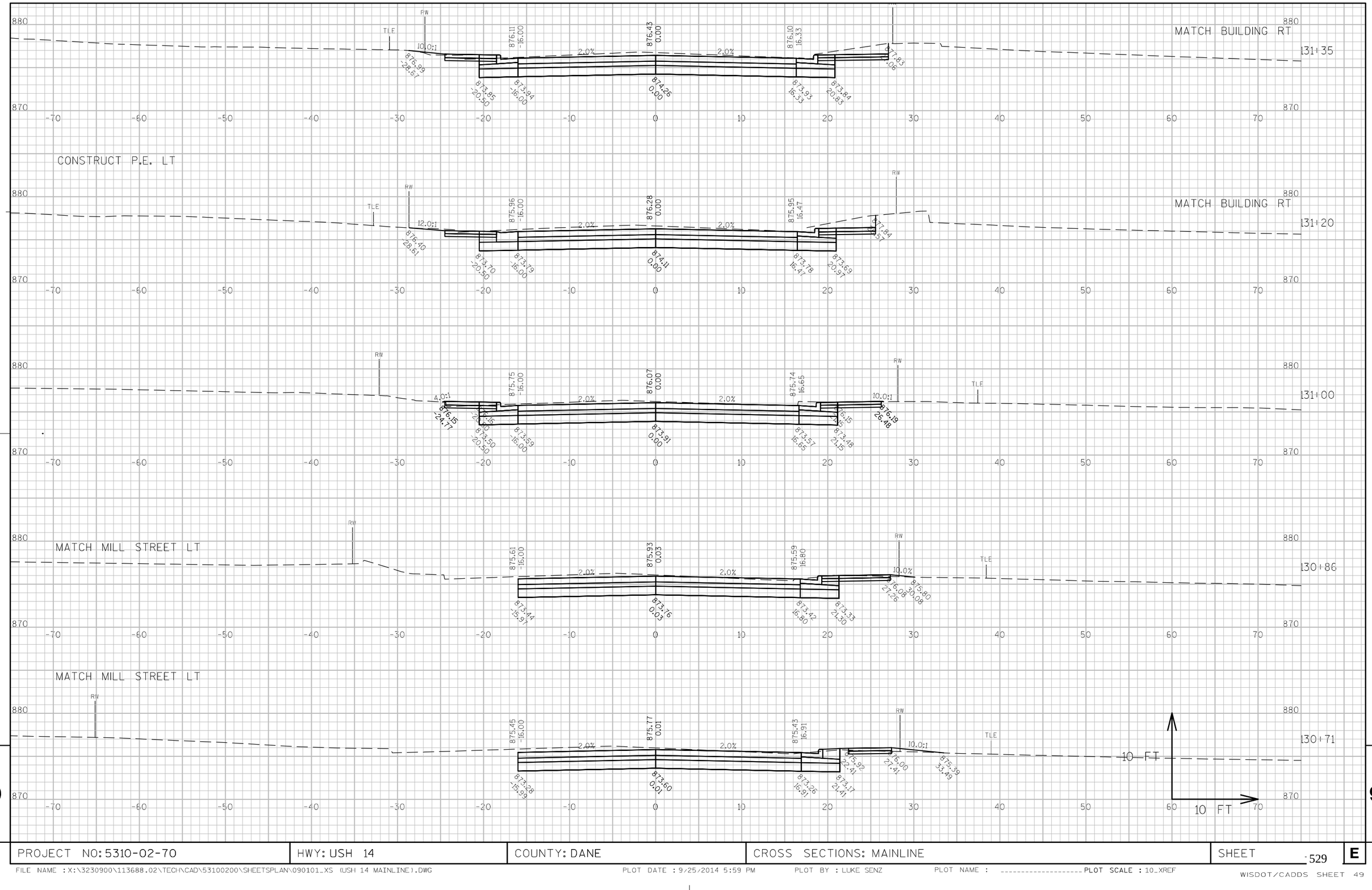


129+70

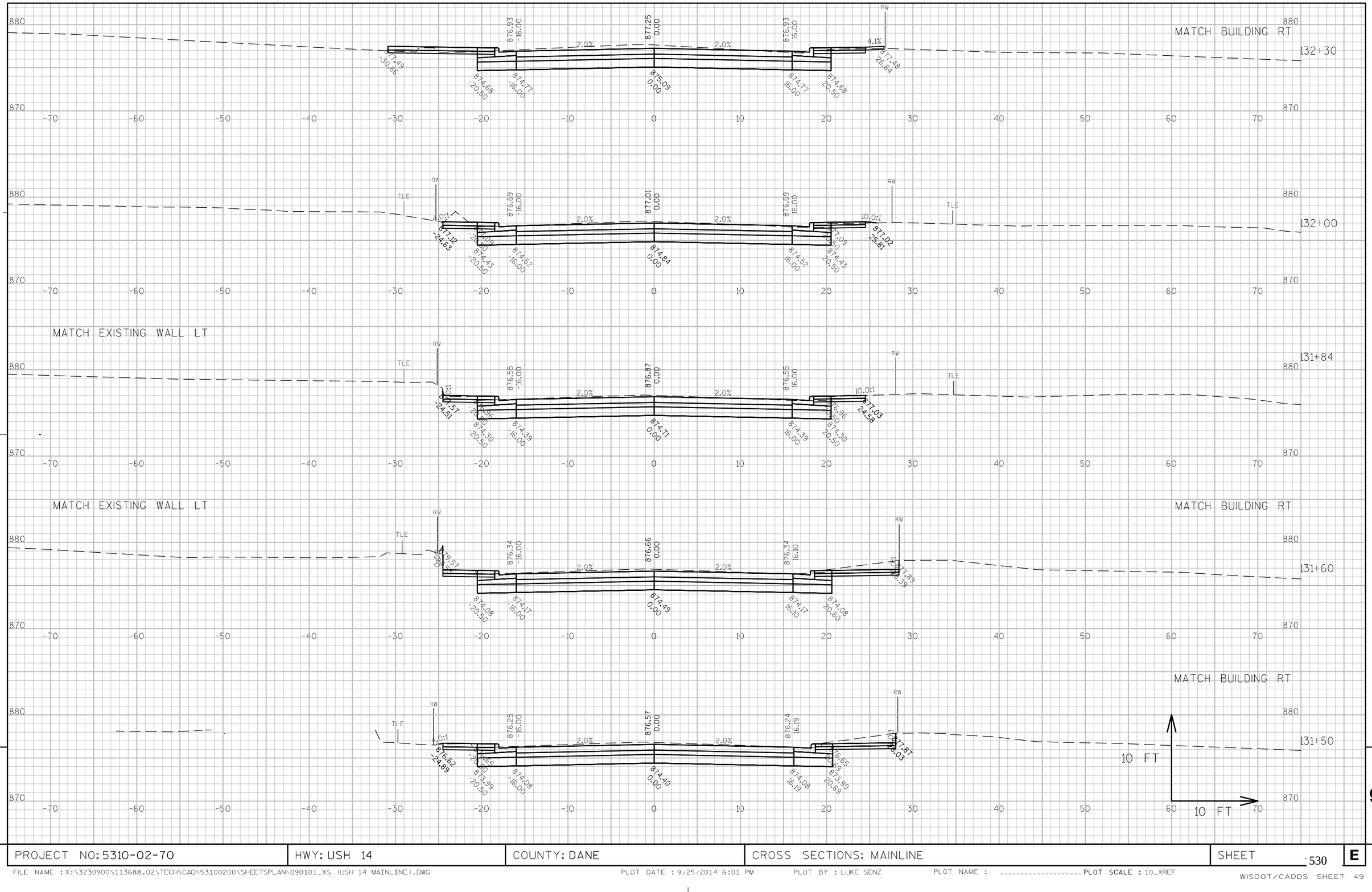
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 528	E



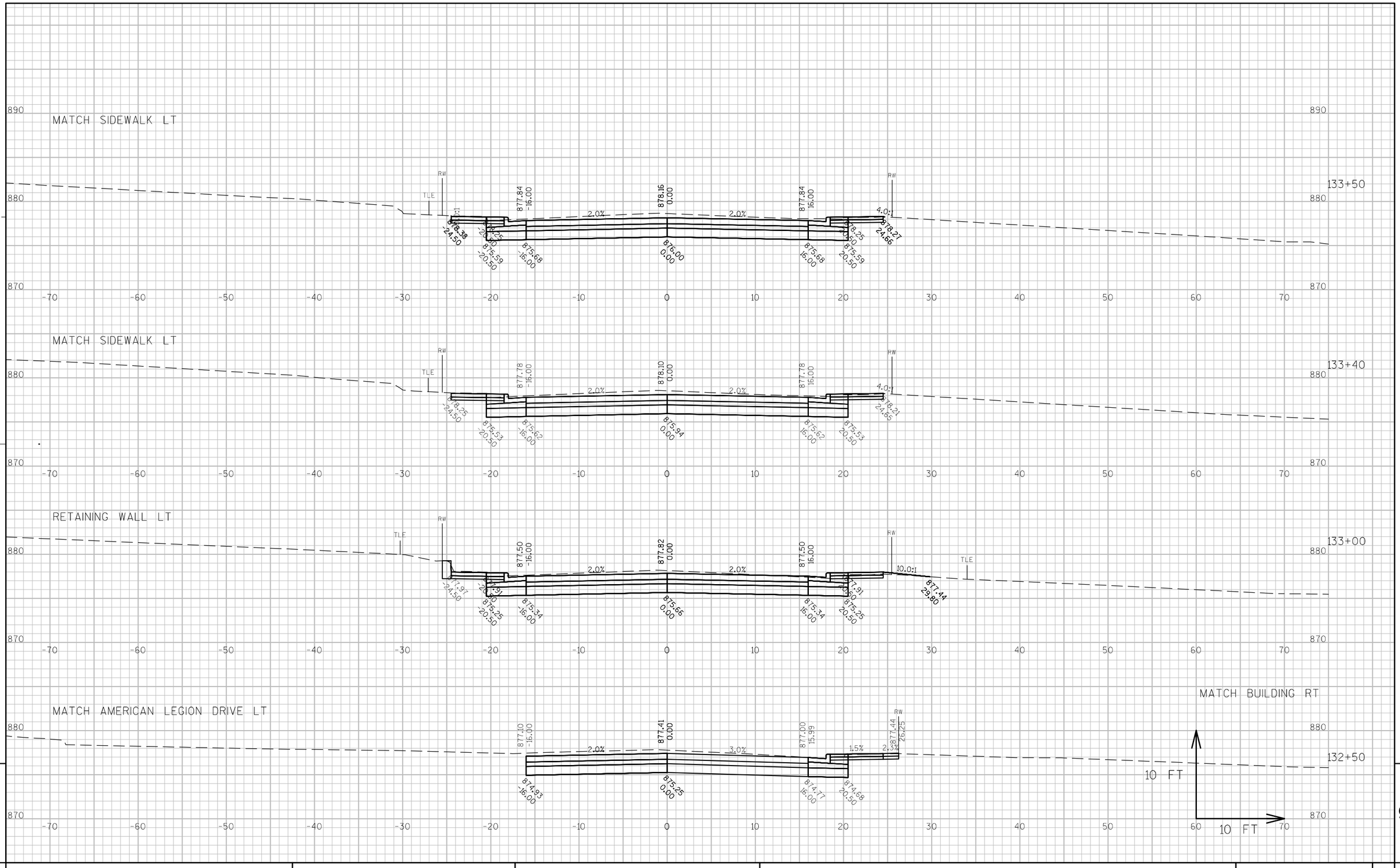
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 529	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 530	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:01 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

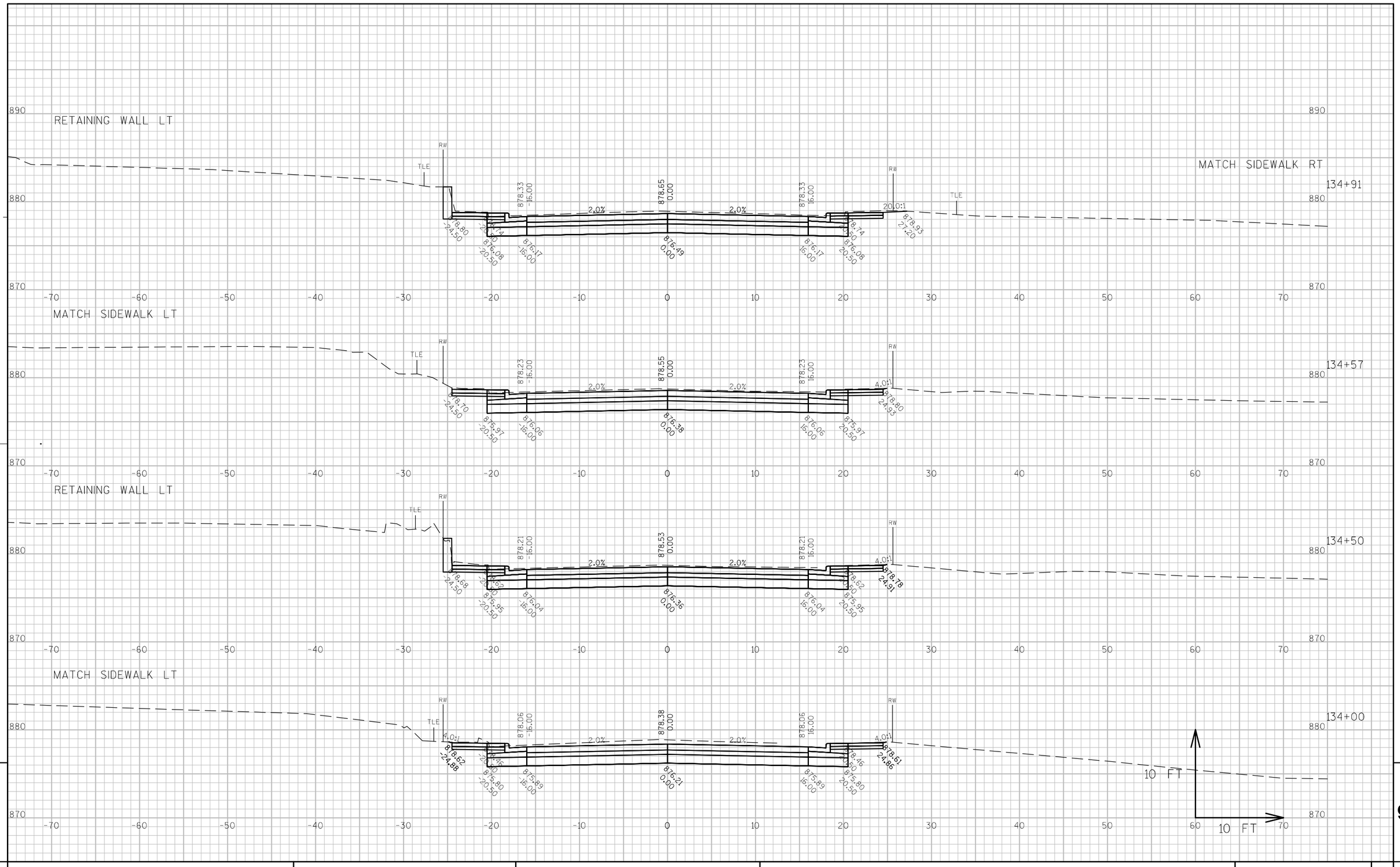
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 531	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:03 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 532	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:04 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

RETAINING WALL LT

CONSTRUCT C.E. RT

135+50

MATCH SIDEWALK LT

CONSTRUCT C.E. RT

135+41

MATCH SIDEWALK LT

MATCH SIDEWALK RT

135+21

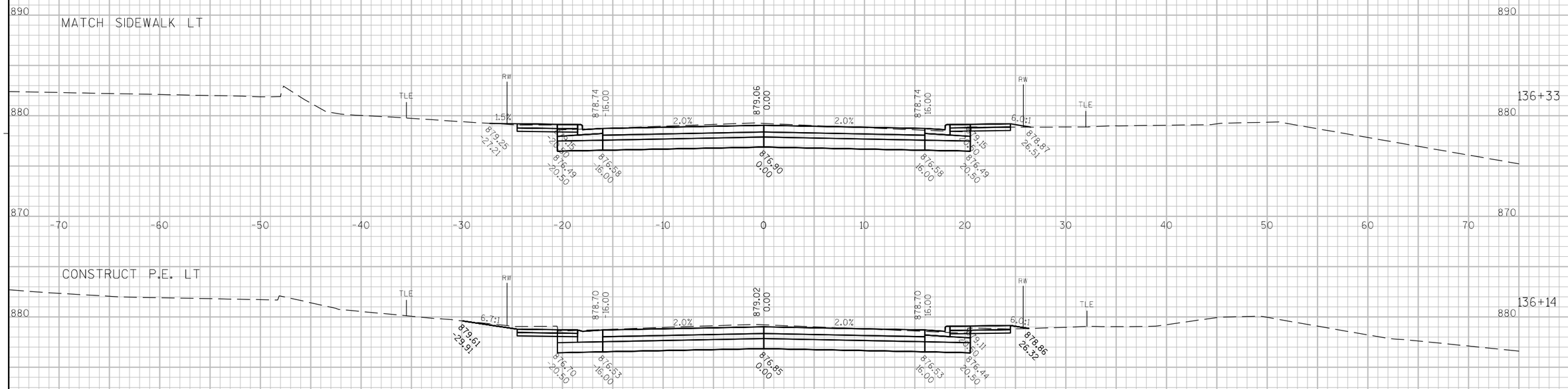
RETAINING WALL LT

135+00

10 FT

10 FT

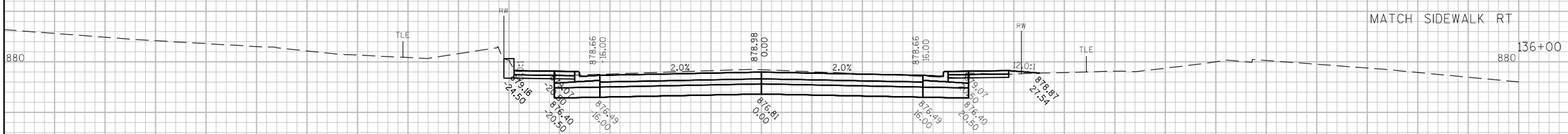
MATCH SIDEWALK LT



CONSTRUCT P.E. LT

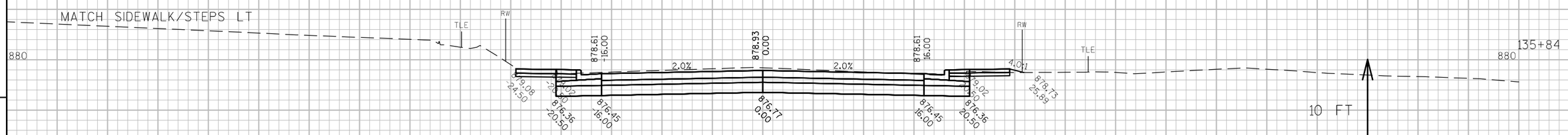


RETAINING WALL LT



MATCH SIDEWALK RT

MATCH SIDEWALK/STEPS LT

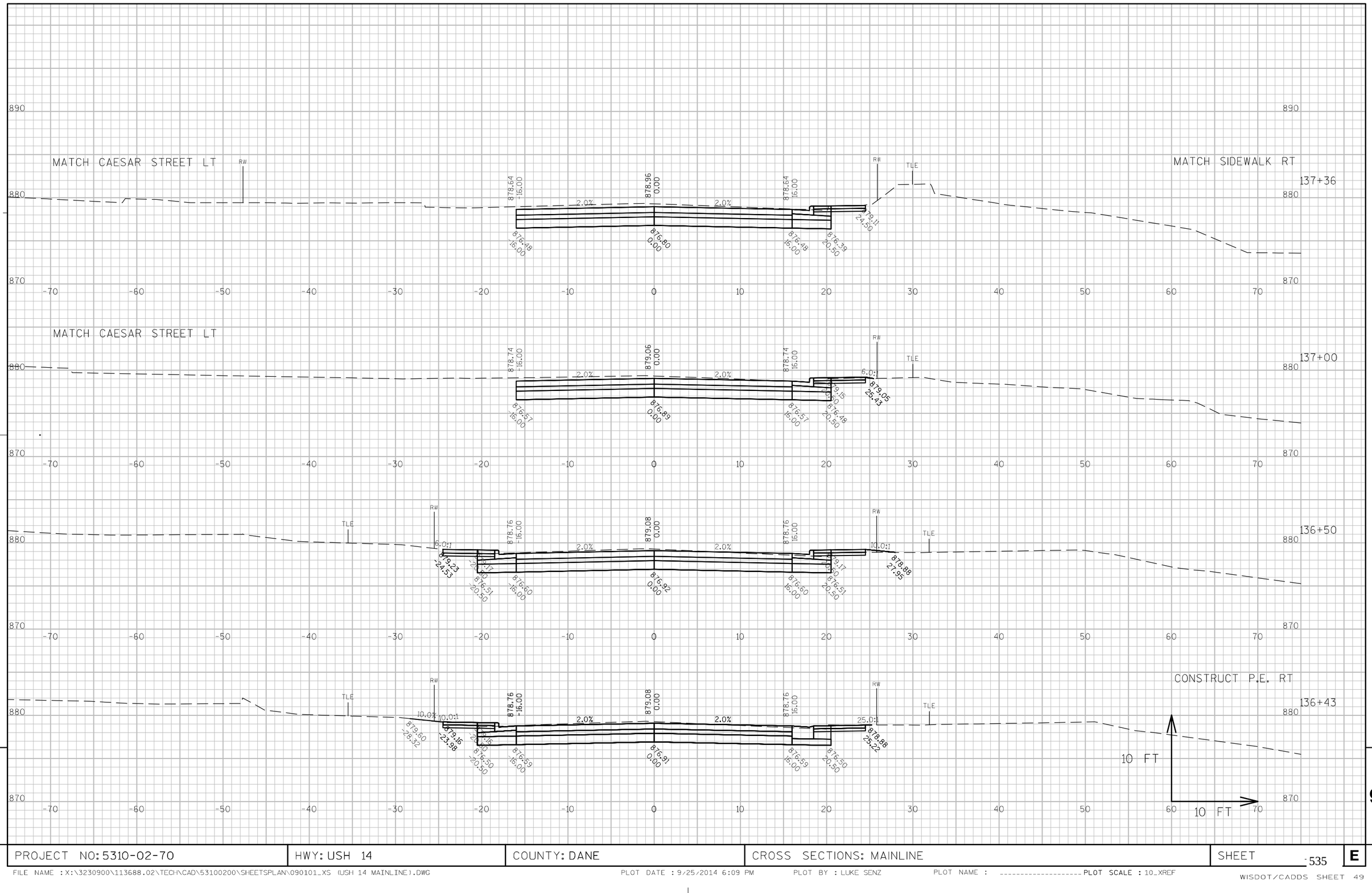




9

9

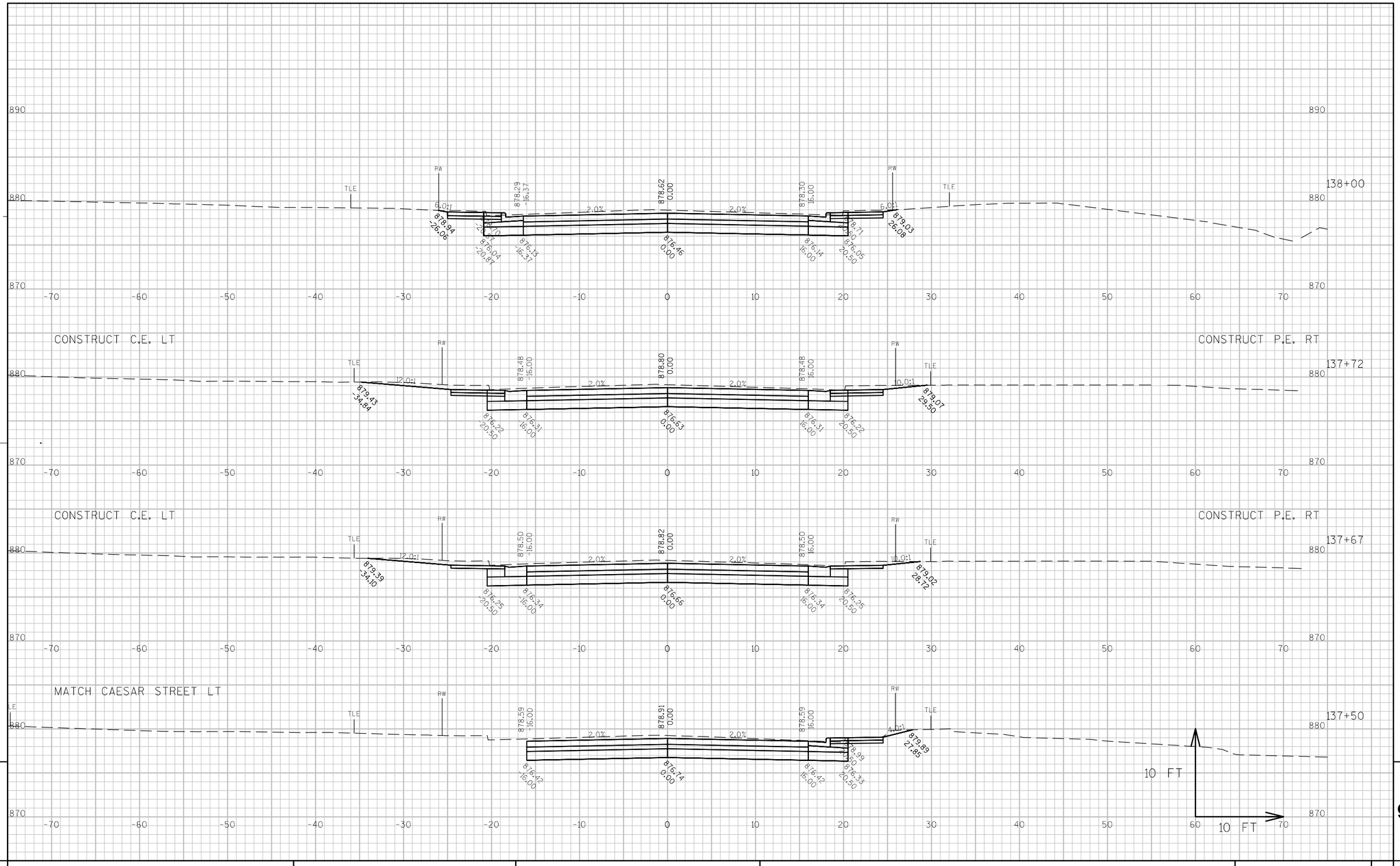
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 534	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 535	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:09 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 536	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:11 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

MATCH JOVINA STREET LT

MATCH LAGOON STREET RT

139+50

876.67
-27.59

877.08
-7.66

877.09
0.00

876.77
16.16

2.0%

0.1%

2.0%

874.51
-27.59

874.91
-7.66

874.92
0.00

874.60
16.16

139+00

RW

TLE

6.0:1

878.48
-33.67

877.73
-29.17

877.26
-20.49

877.67
0.00

877.35
16.00

878.50
28.50

875.00
-24.99

875.09
-20.49

875.50
0.00

875.18
16.00

875.09
20.50

CONSTRUCT C.E. LT

138+62

13.0:1

878.68
-31.89

877.73
-18.15

878.09
0.00

877.77
16.00

10.0:1

879.38
35.94

875.47
-22.65

875.56
-18.15

875.92
0.00

875.60
16.00

875.51
20.50

CONSTRUCT C.E. LT

138+50

14.0:1

878.63
-35.90

877.85
-17.81

878.21
0.00

877.89
16.00

4.0:1

879.27
28.17

875.58
-22.31

875.69
-17.81

876.04
0.00

875.72
16.00

875.63
20.50

10 FT

10 FT

890

880

870

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

9

9

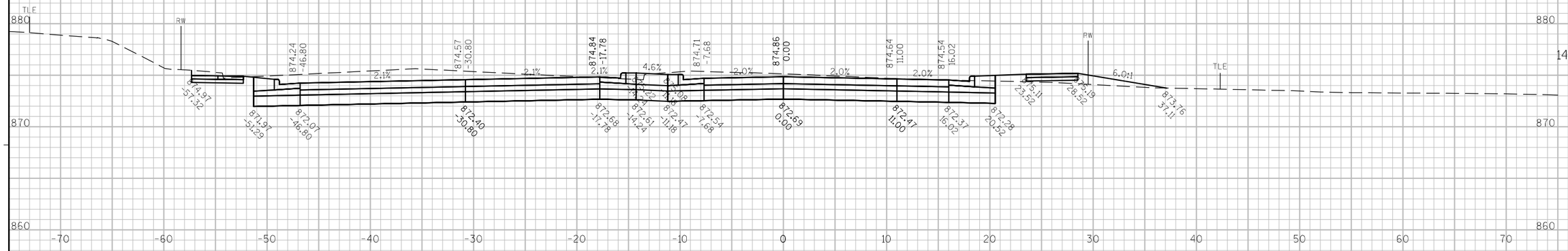
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 537	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:13 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

MATCH SIDEWALK/STEPS LT

UNDER CONSTRUCTION RT

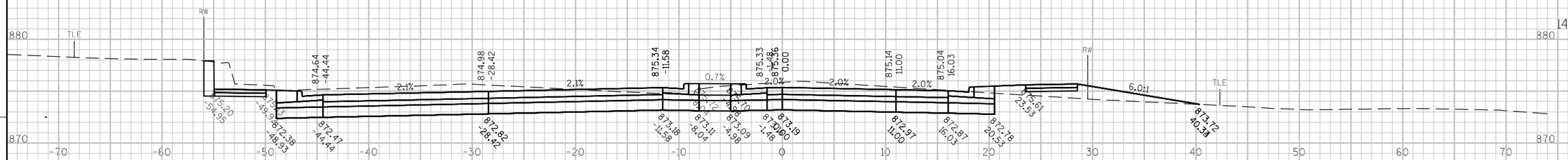
141+45



RETAINING WALL LT

UNDER CONSTRUCTION RT

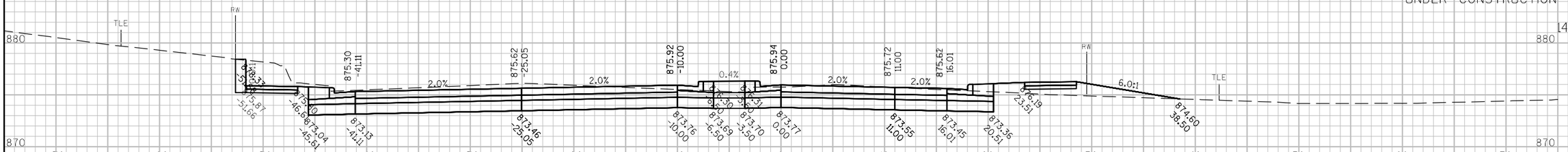
141+00



RETAINING WALL LT

UNDER CONSTRUCTION RT

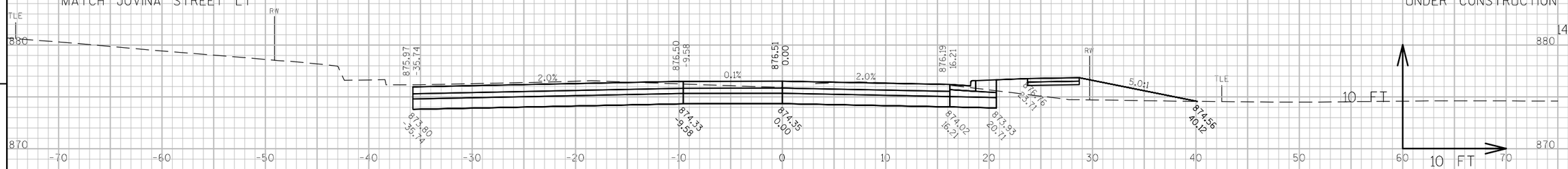
140+50



MATCH JOVINA STREET LT

UNDER CONSTRUCTION RT

140+00



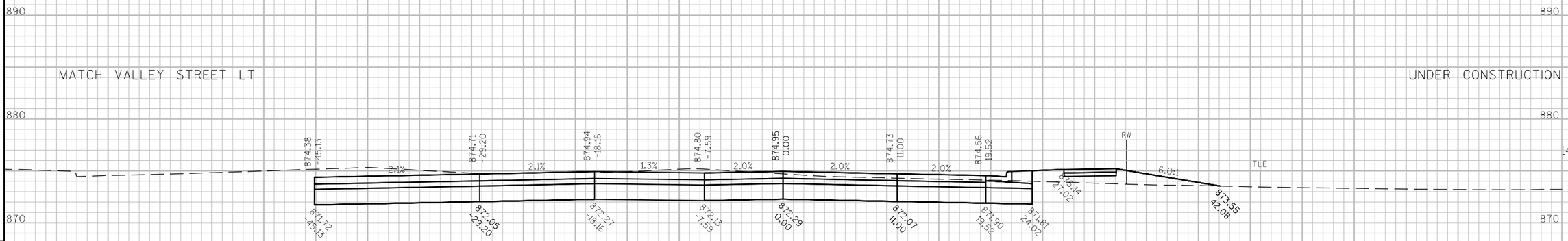
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 538	E

MATCH VALLEY STREET LT

UNDER CONSTRUCTION RT



142+50

CONSTRUCT C.E. LT

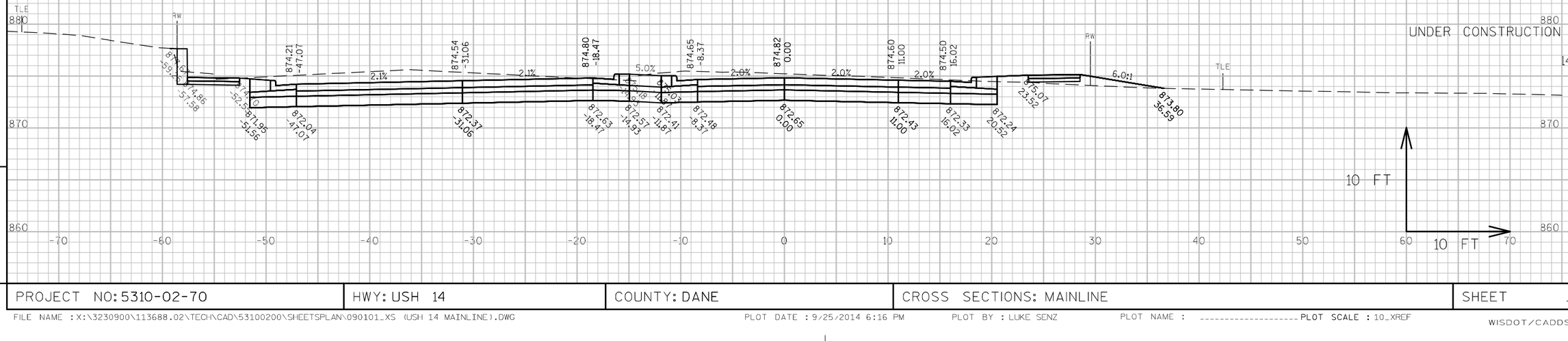
TLE 79.21' LT

UNDER CONSTRUCTION RT

142+00

RETAINING WALL LT

UNDER CONSTRUCTION RT



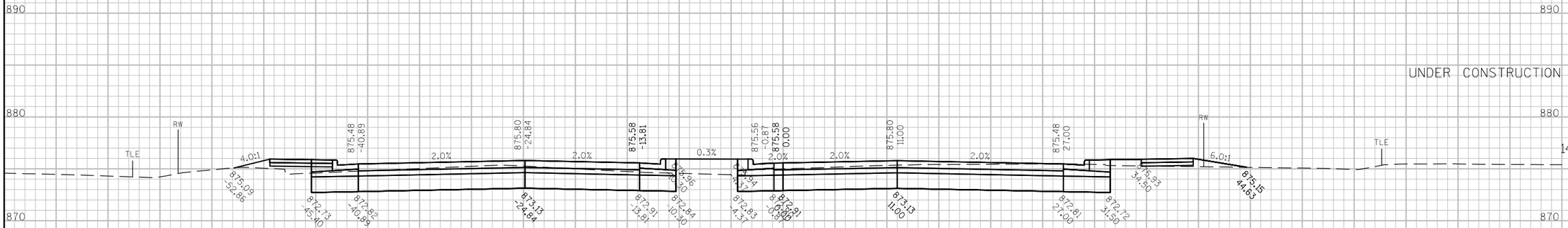
141+50

9

9

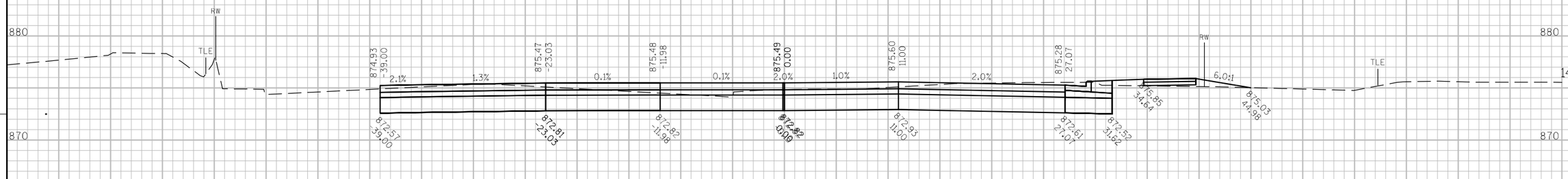
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 539	E

UNDER CONSTRUCTION RT



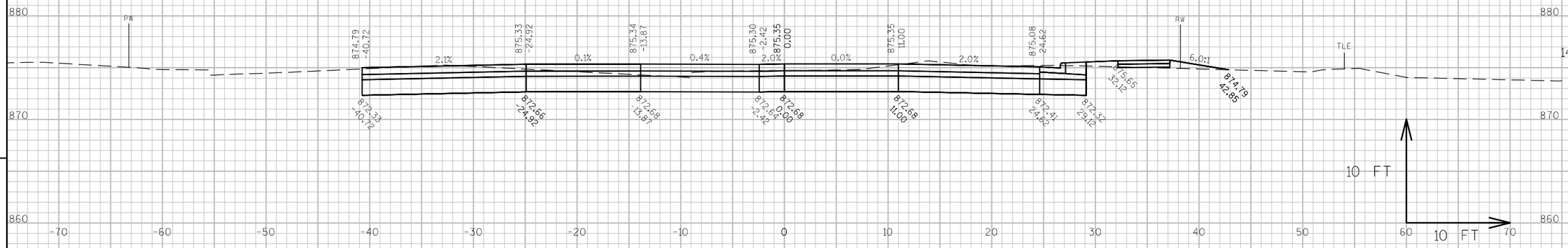
MATCH VALLEY STREET LT

UNDER CONSTRUCTION RT



MATCH VALLEY STREET LT

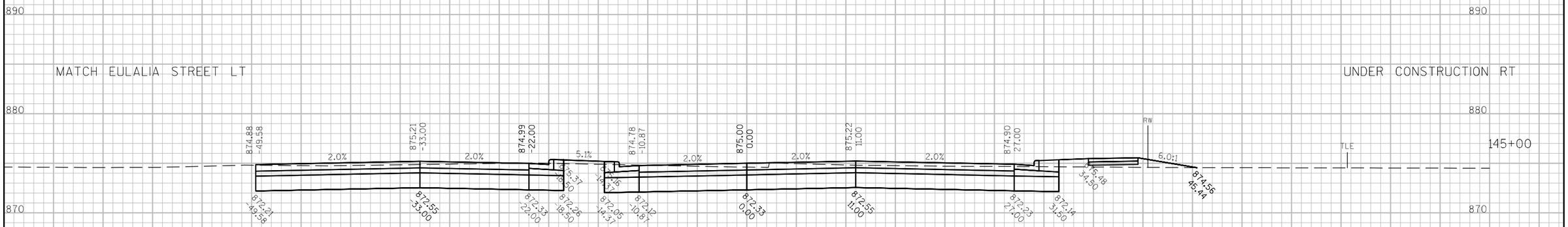
UNDER CONSTRUCTION RT



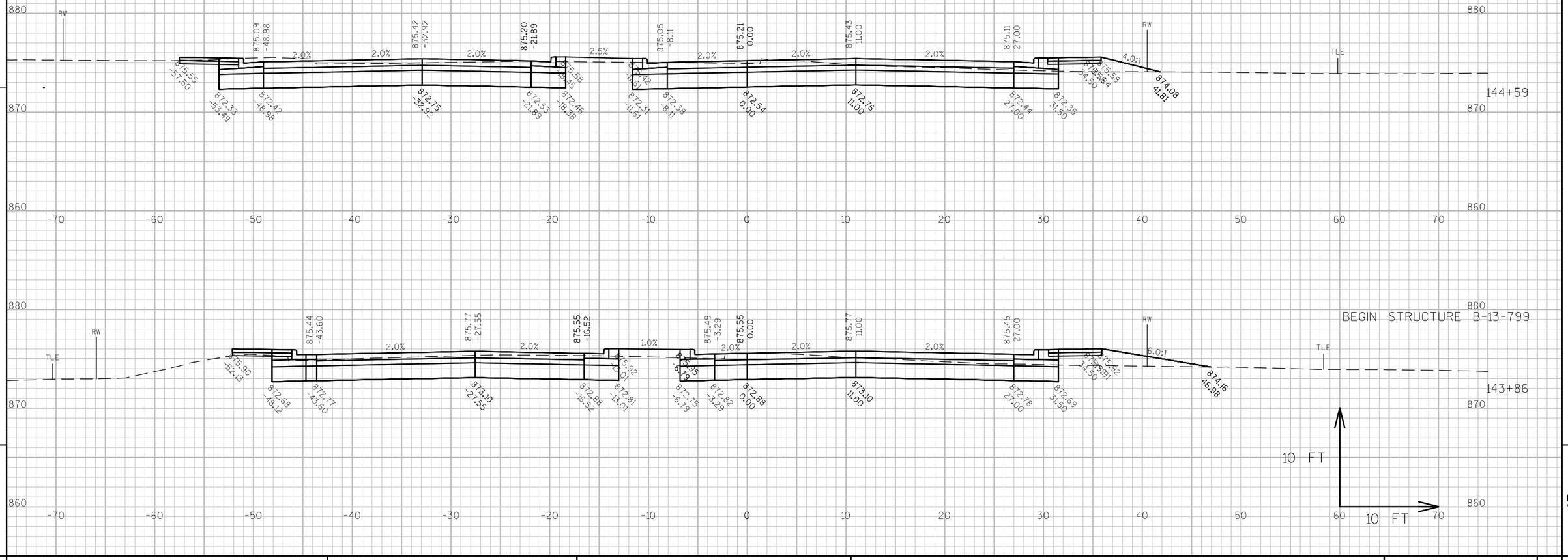
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 540	E

MATCH EULALIA STREET LT

UNDER CONSTRUCTION RT



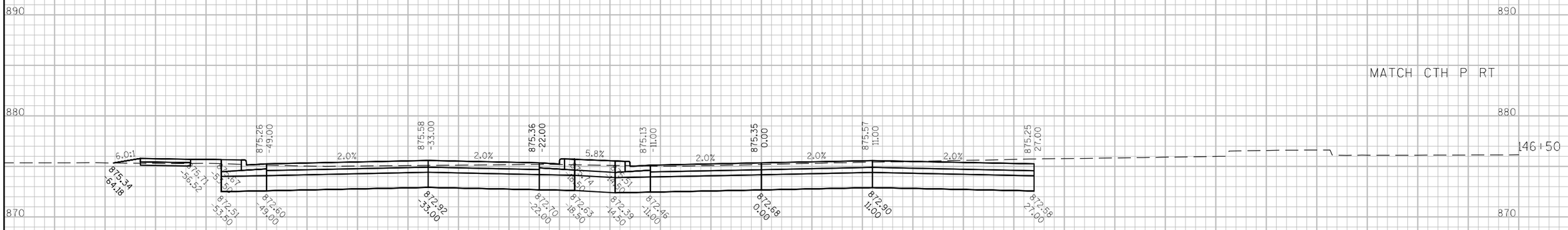
END STRUCTURE B-13-799



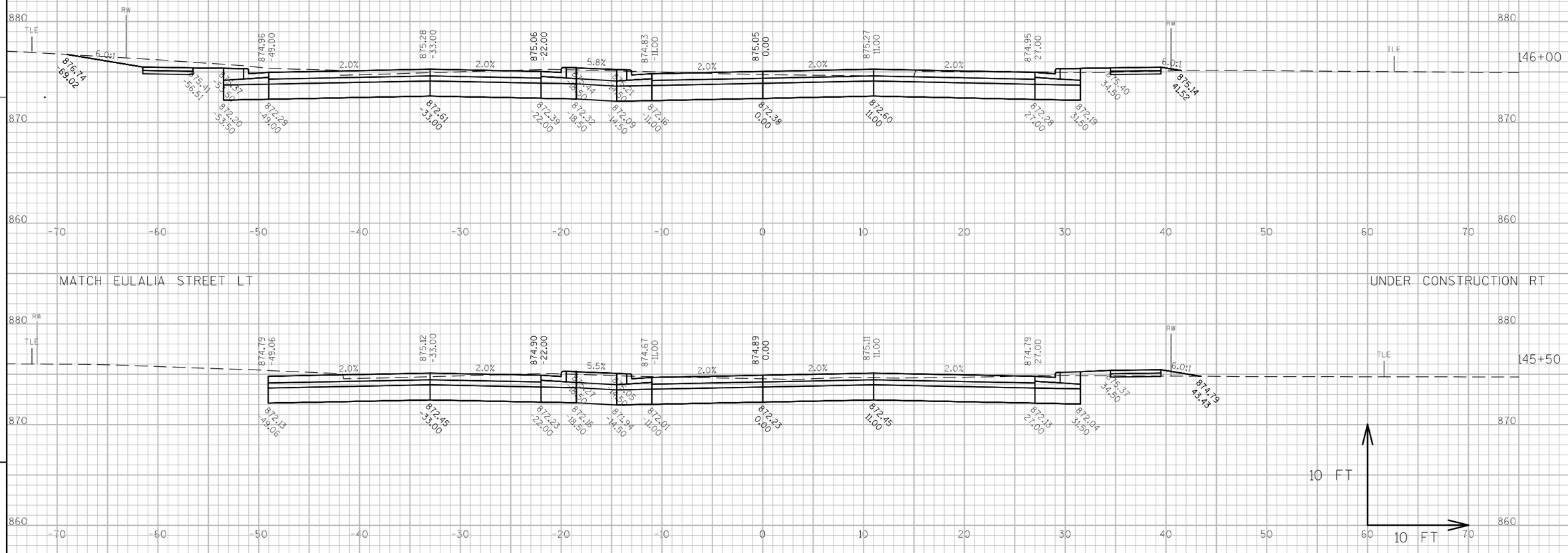
BEGIN STRUCTURE B-13-799

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 541	E

MATCH CTH P RT



UNDER CONSTRUCTION RT



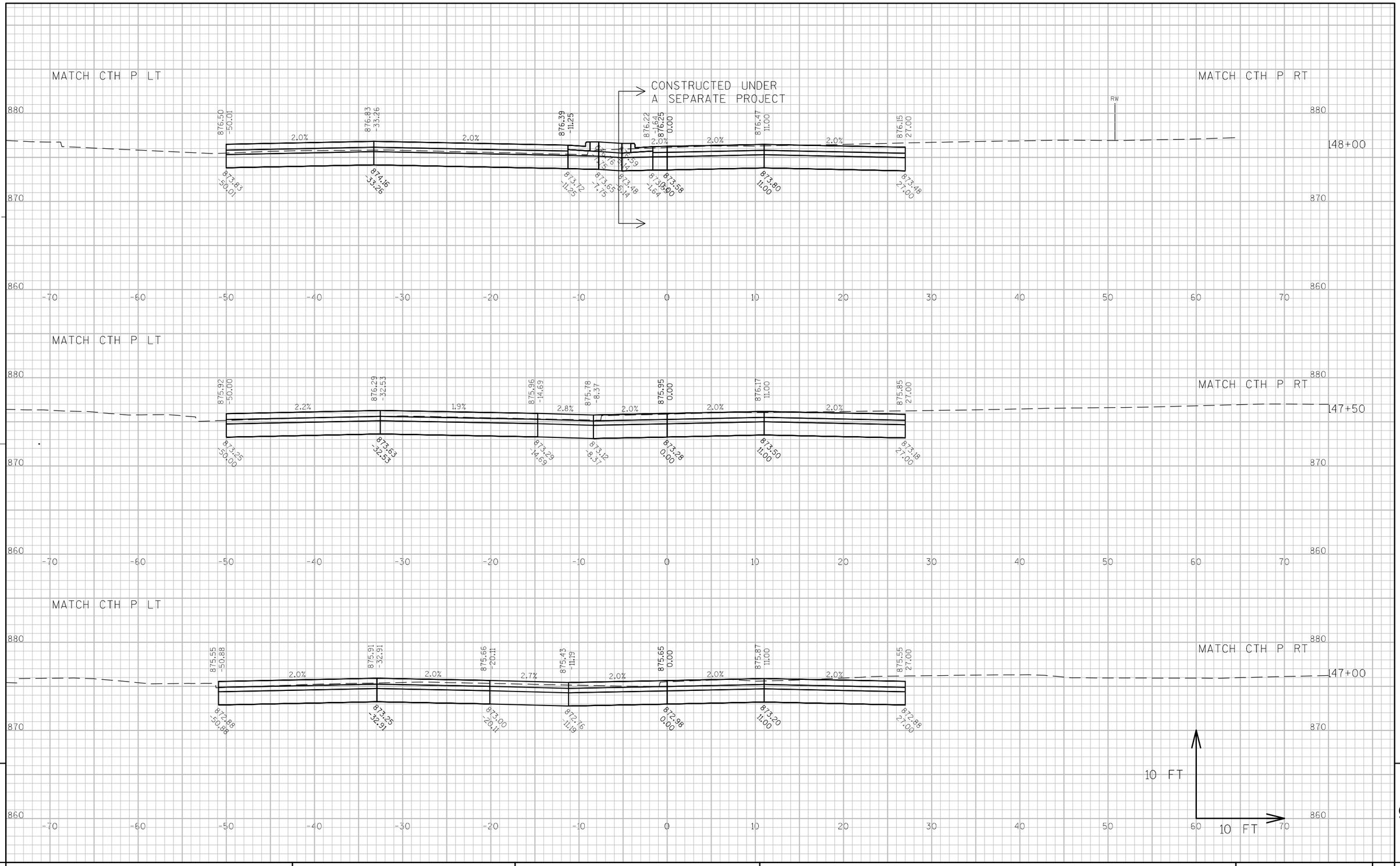
MATCH EULALIA STREET LT

UNDER CONSTRUCTION RT

9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 542	E

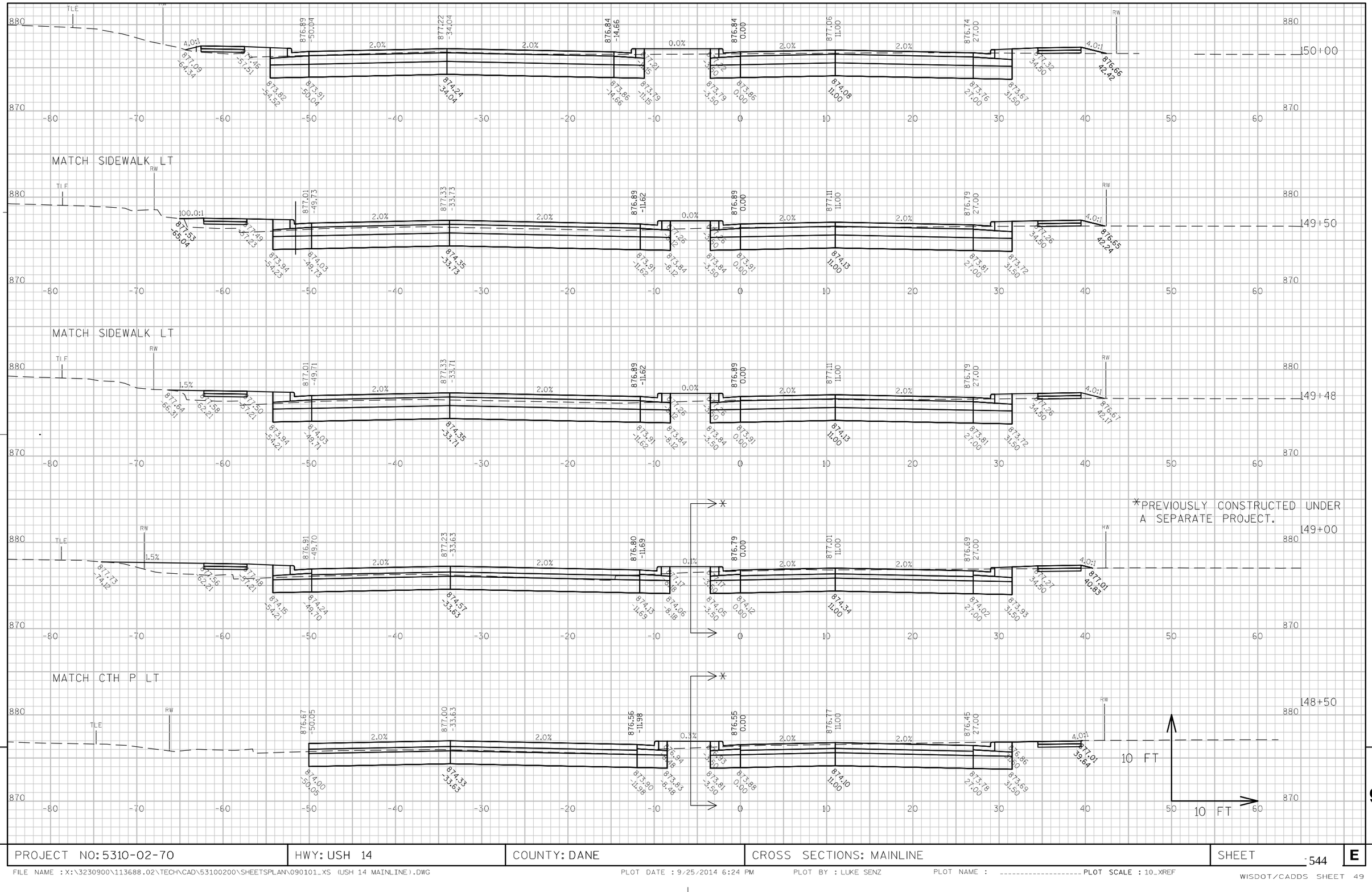


9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 543	E

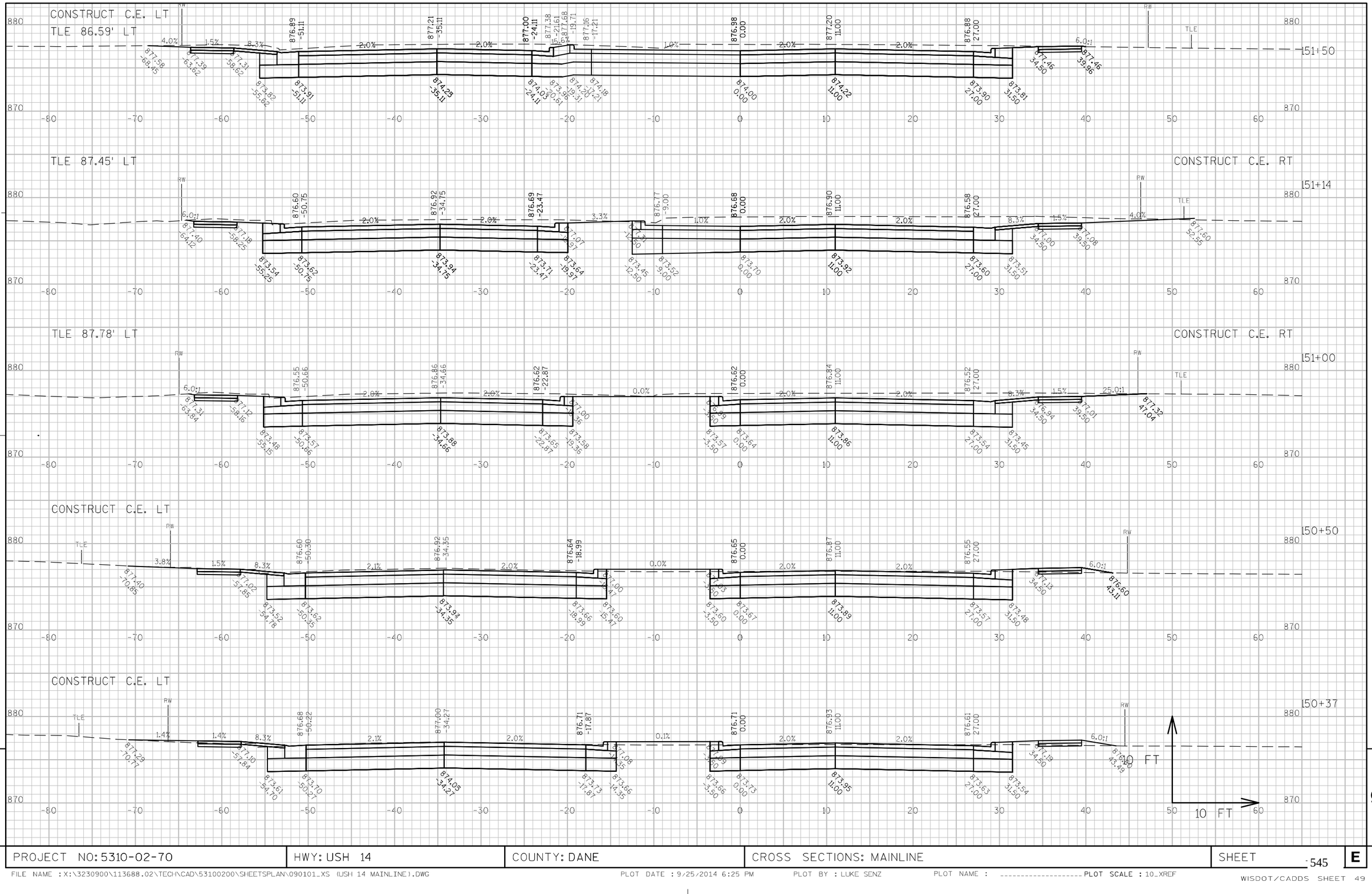
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:22 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF



9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 544	E

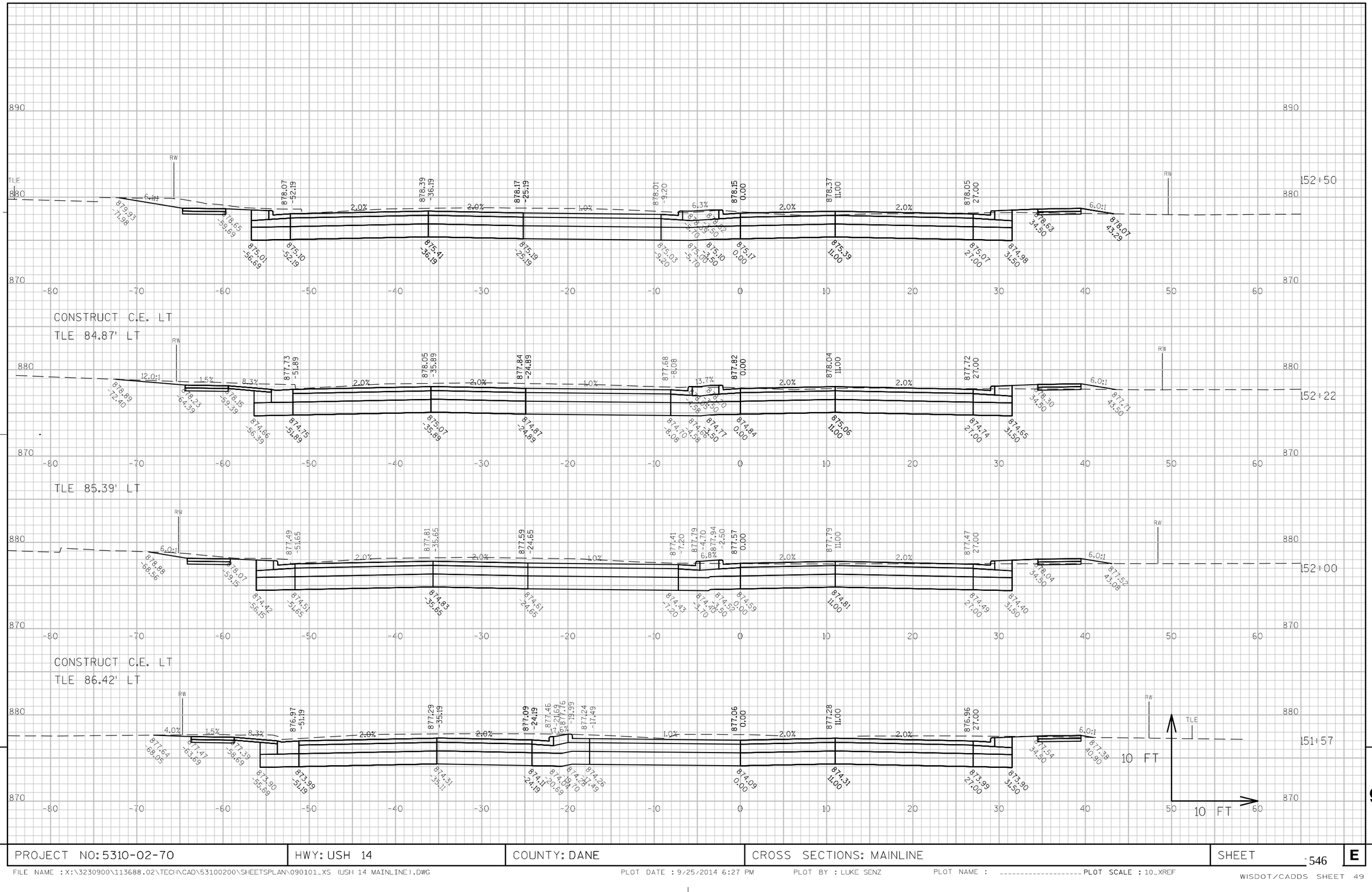


9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 545	E

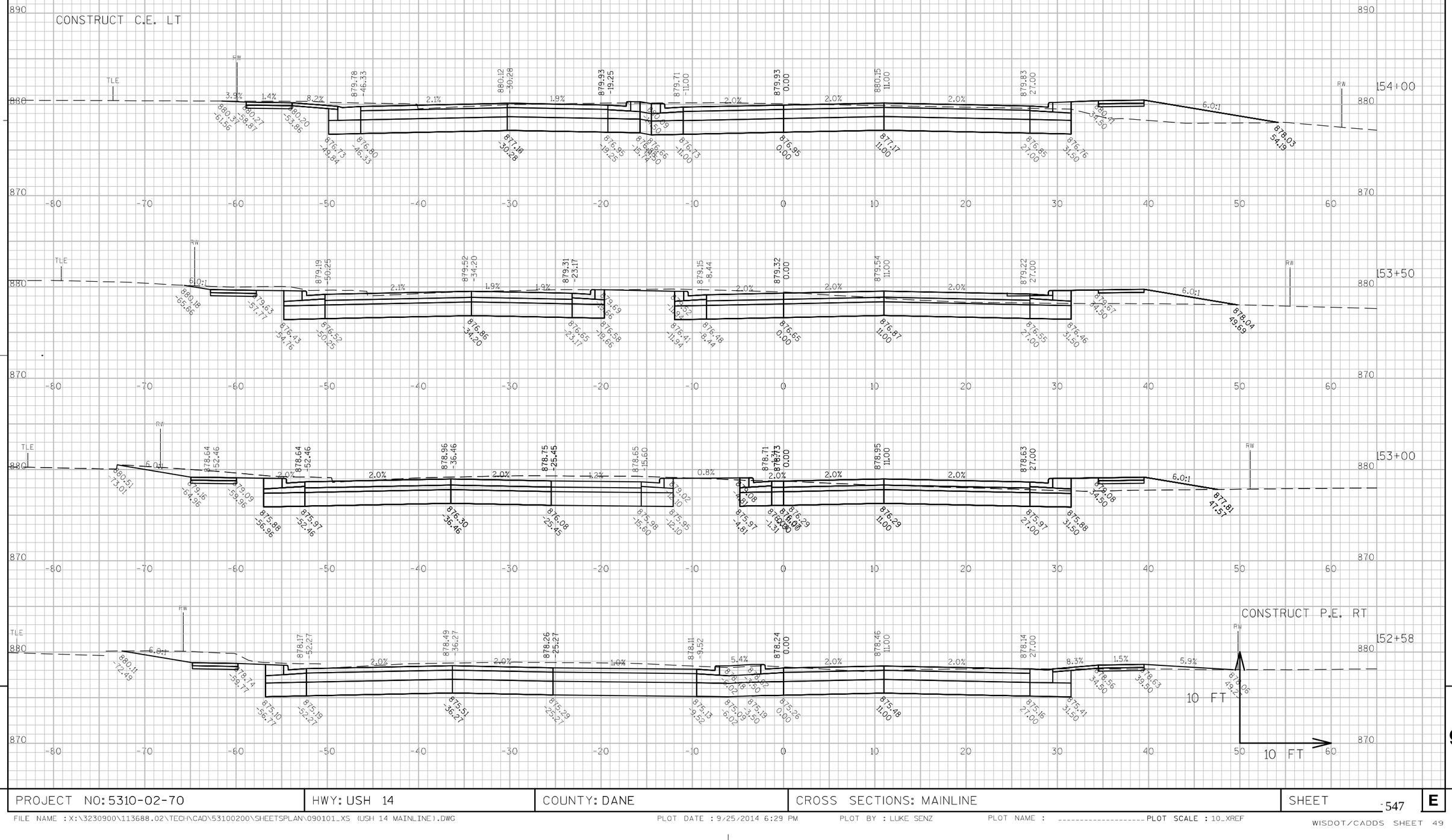
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:25 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 546	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:27 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

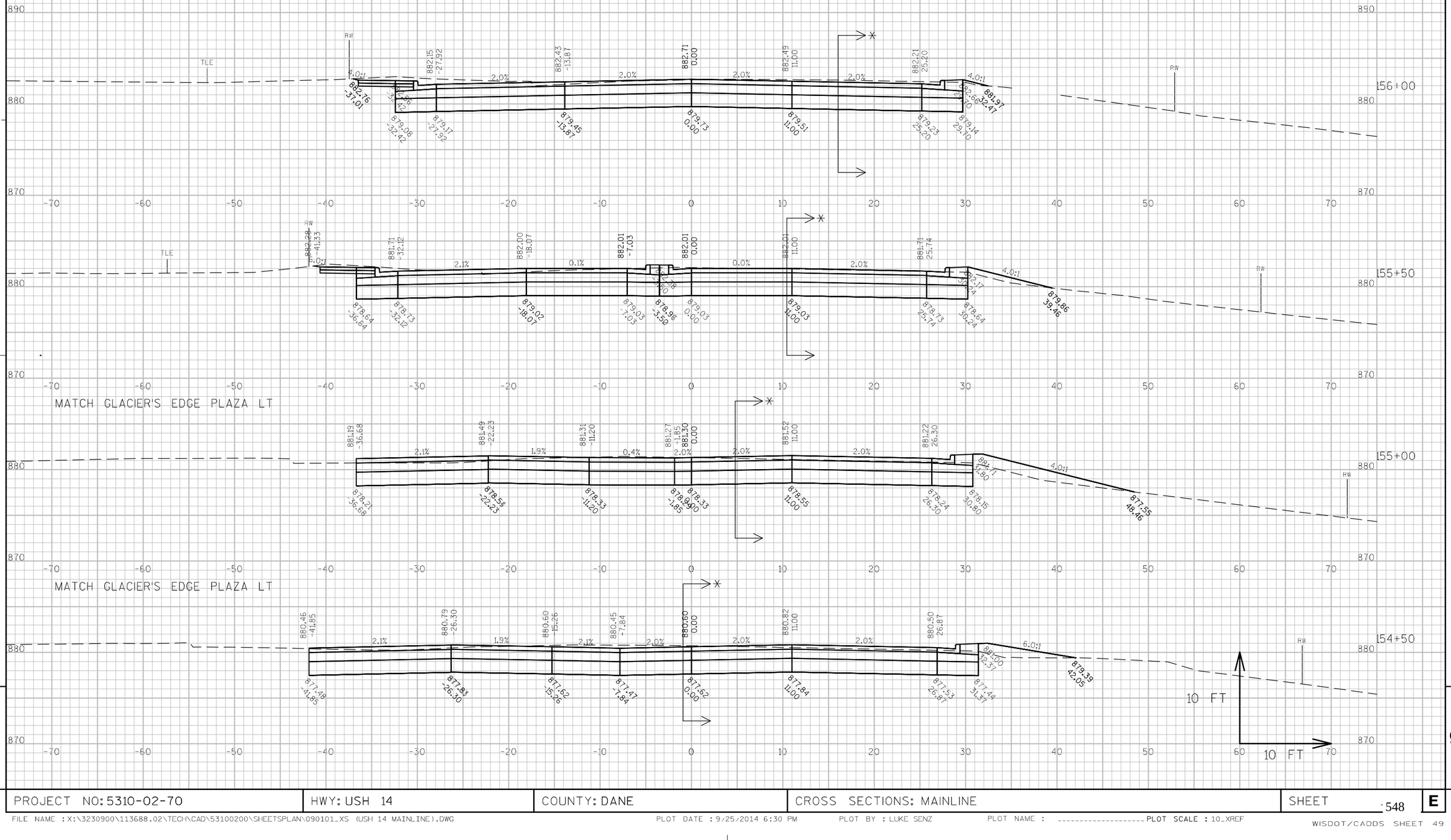
CONSTRUCT C.E. LT



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 547	E

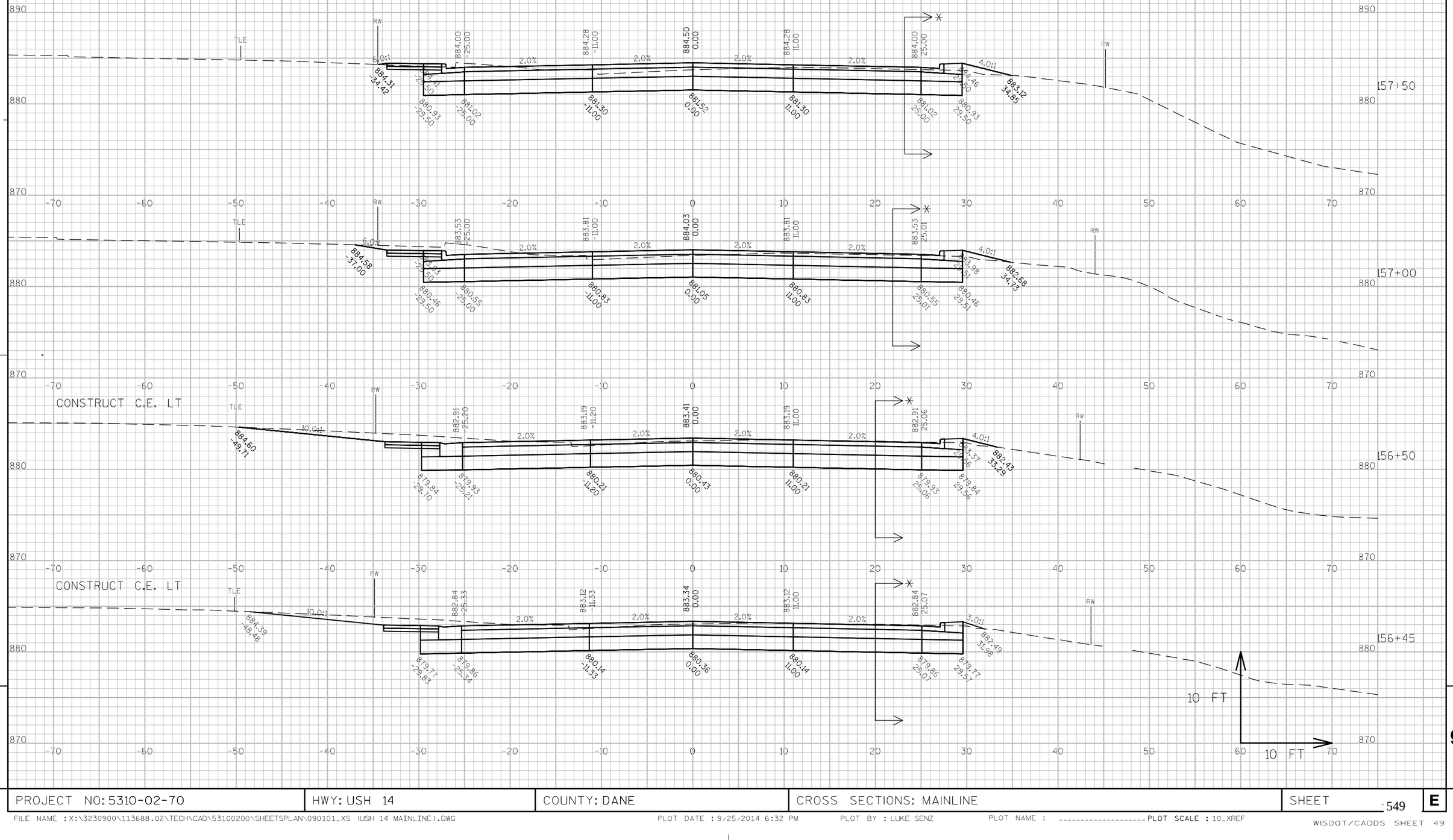
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:29 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 548	E

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 549	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:32 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

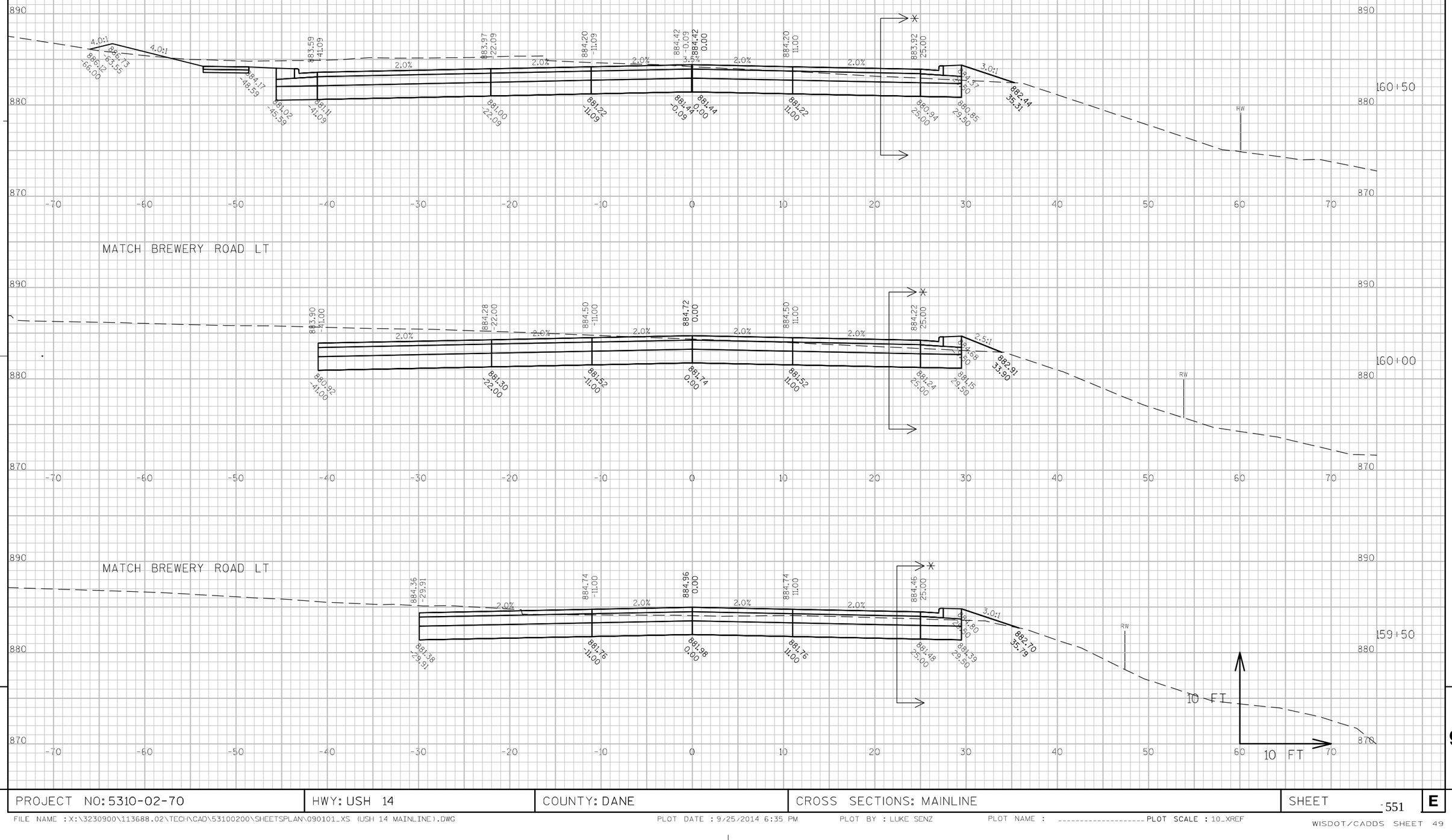
*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 550	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:34 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.



9

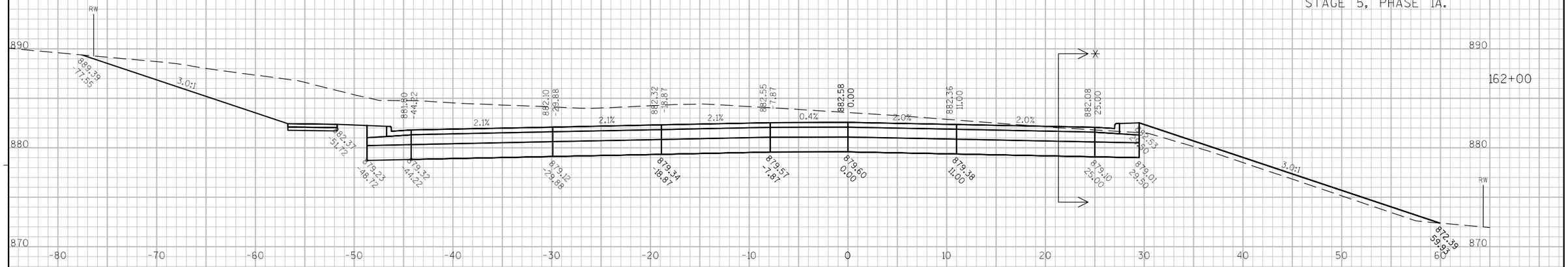
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 551	E

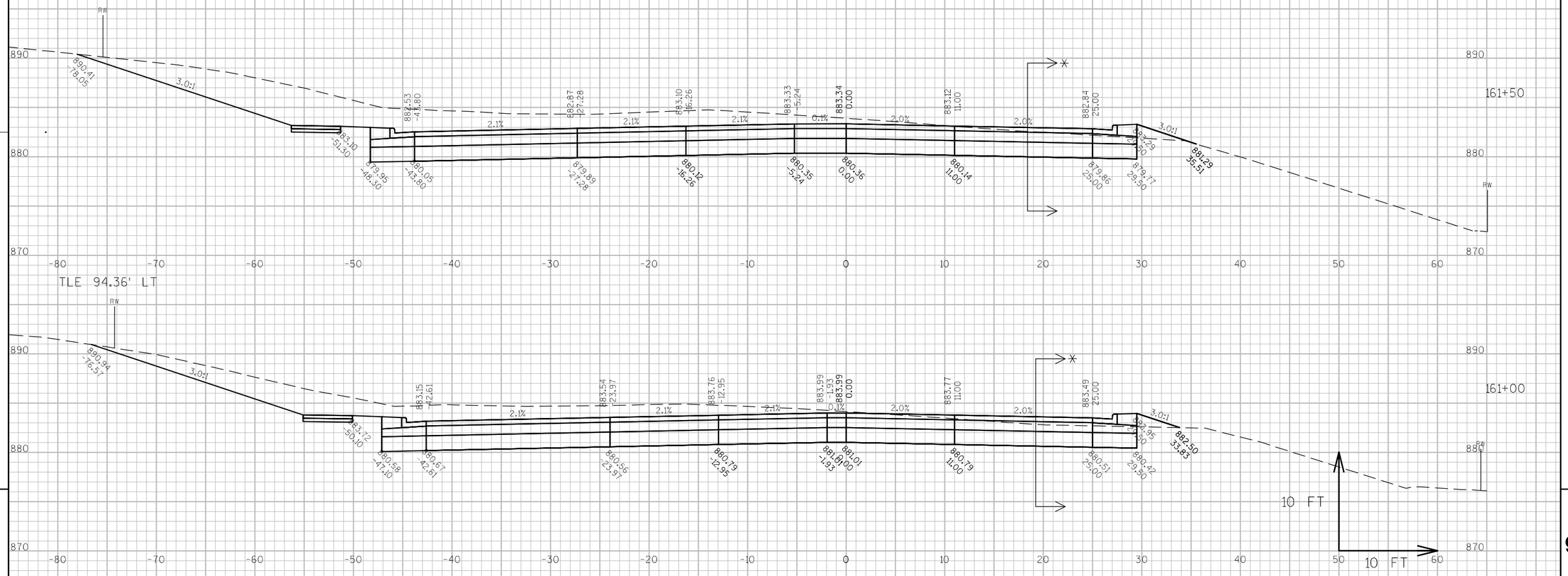
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TLE 96.04' LT

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.



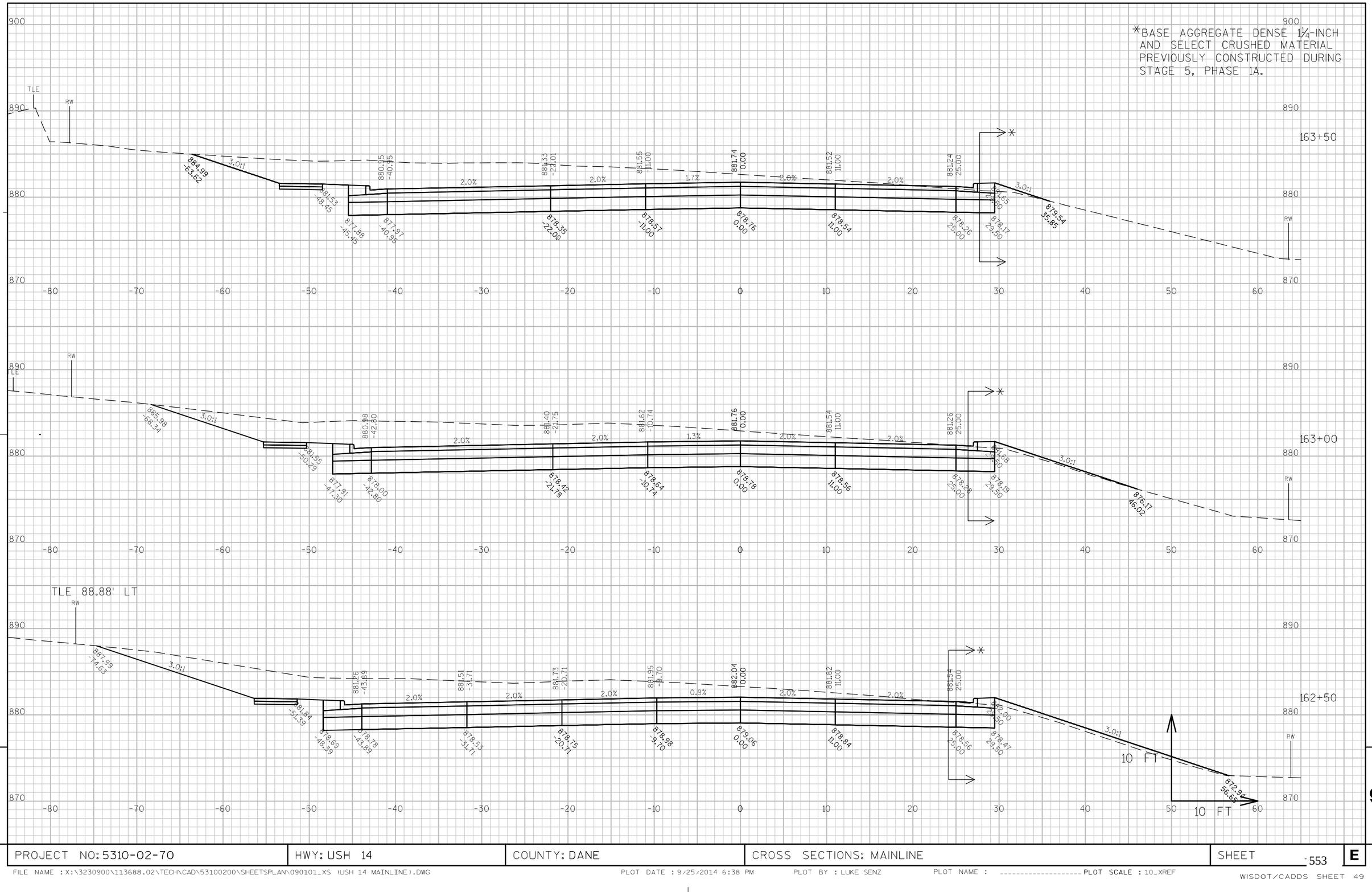
TLE 95.32' LT



9 9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 552	E

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.

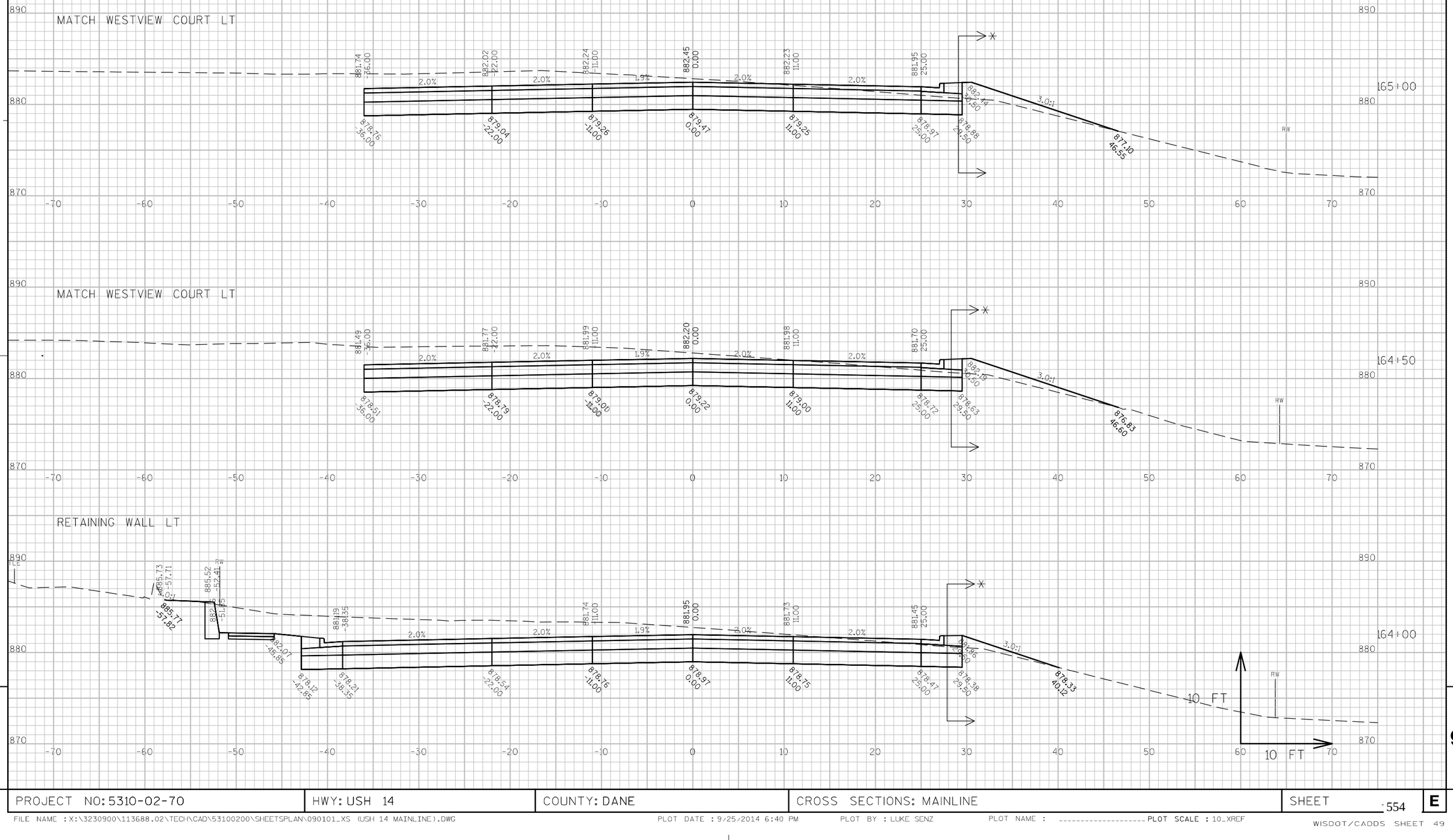


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 553	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:38 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.

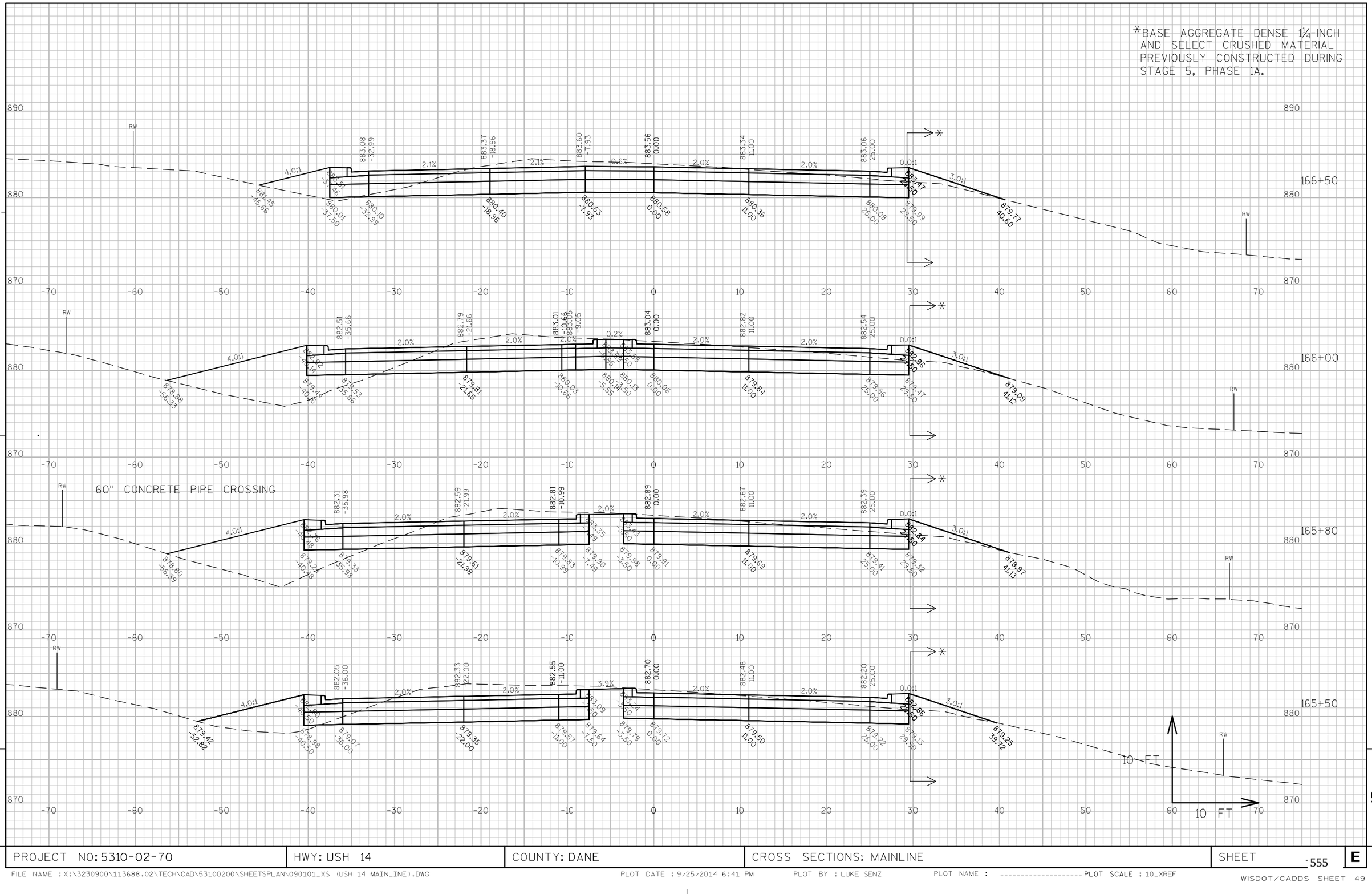


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 554	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:40 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.



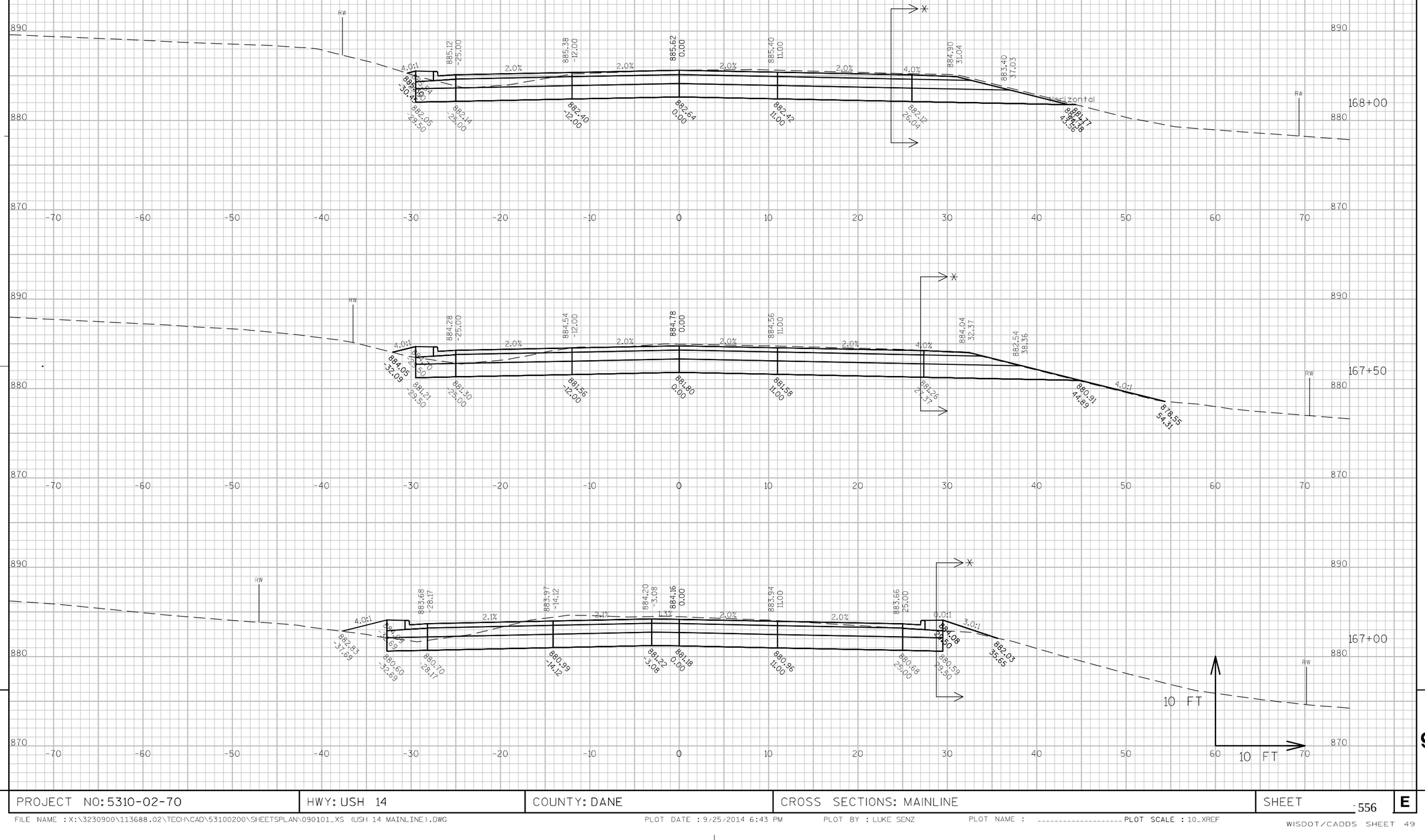
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 555	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:41 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.

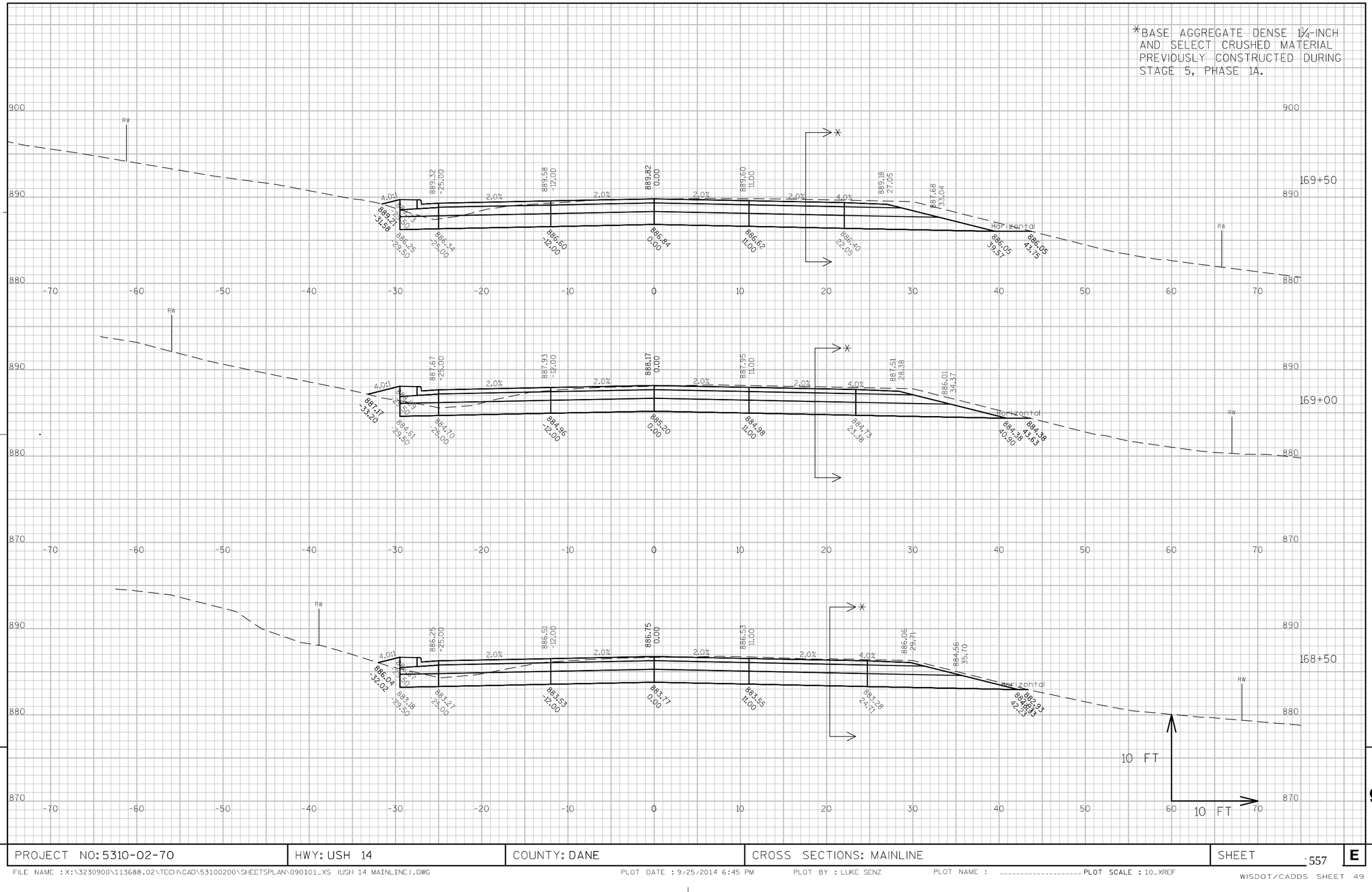


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 556	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:43 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 557	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:45 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1A.

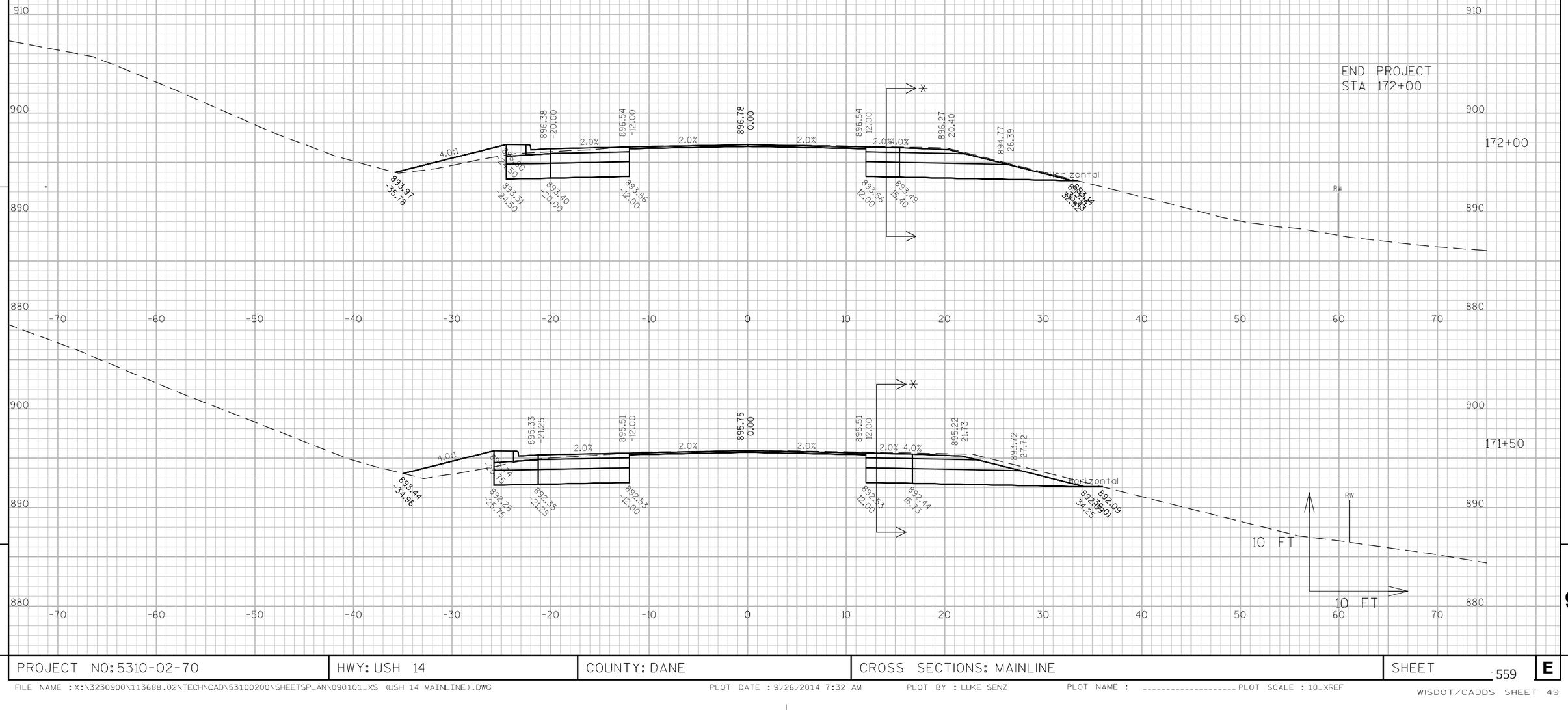
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 558	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/25/2014 6:46 PM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1.

END PROJECT
STA 172+00



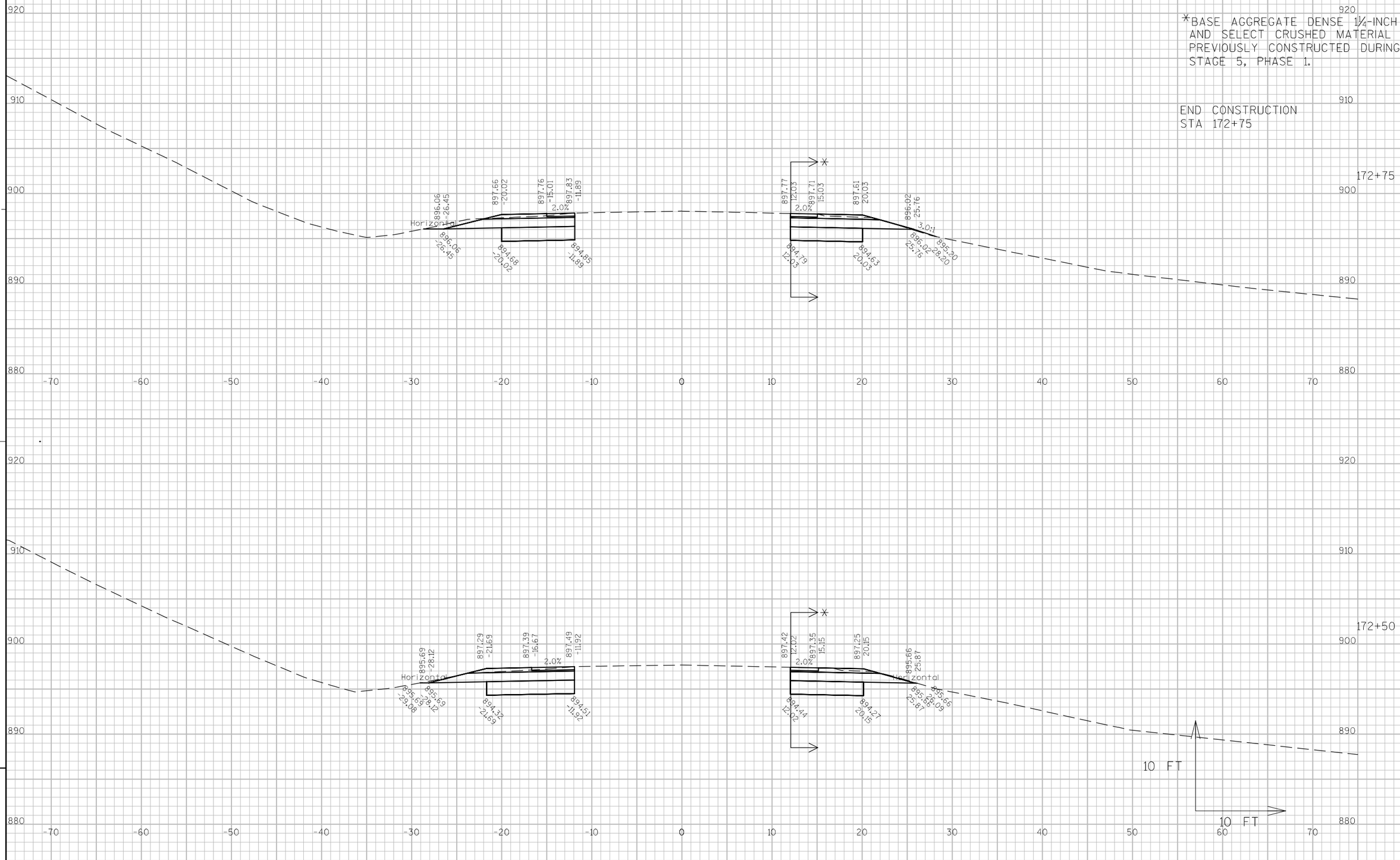
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 559	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/26/2014 7:32 AM PLOT BY : LUKE SENZ PLOT NAME : _____ PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

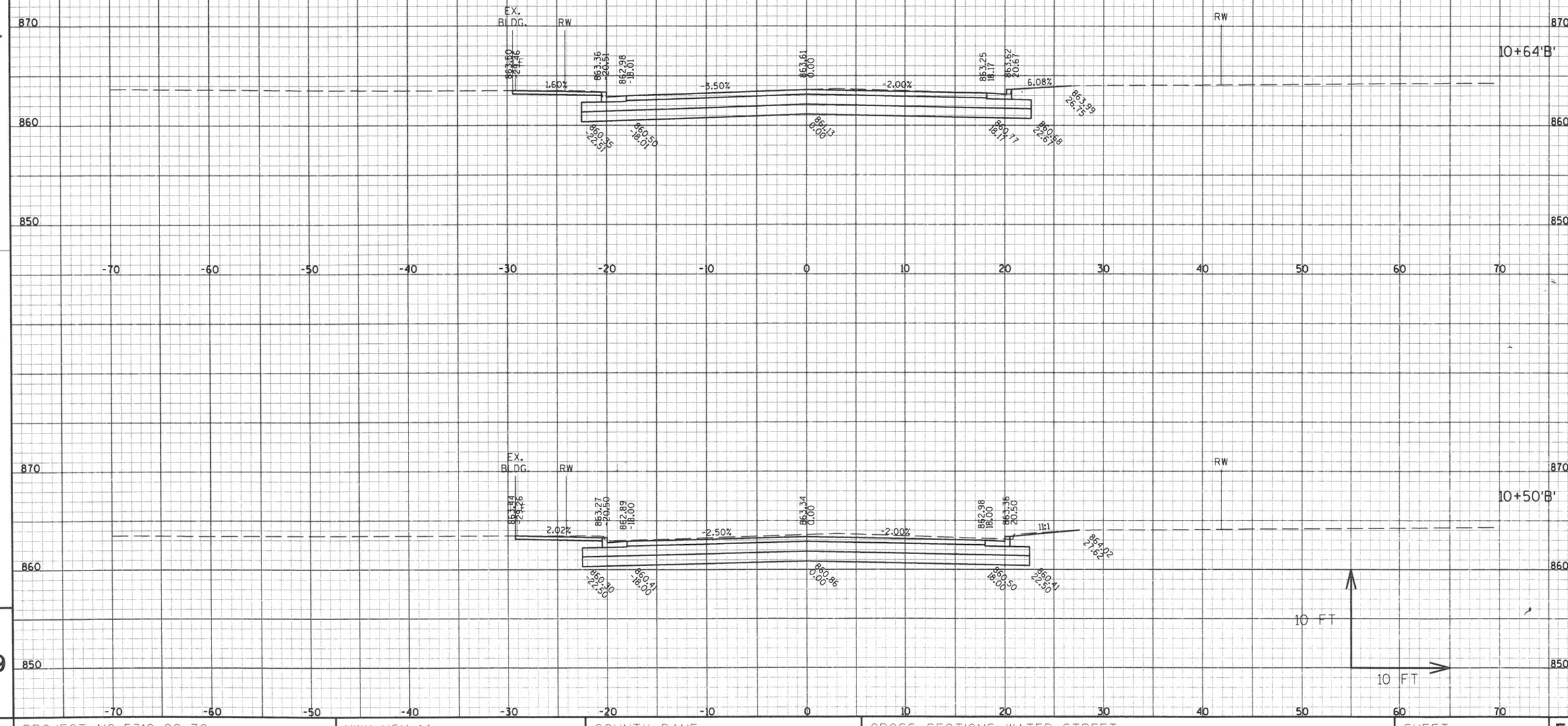
*BASE AGGREGATE DENSE 1¼-INCH AND SELECT CRUSHED MATERIAL PREVIOUSLY CONSTRUCTED DURING STAGE 5, PHASE 1.

END CONSTRUCTION
STA 172+75



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAINLINE	SHEET 560	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090101_XS (USH 14 MAINLINE).DWG PLOT DATE : 9/26/2014 7:34 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 10_XREF



WISCONSIN
SUZANNE K. SCHLEEPER
E-34019
MADISON
WI
PROFESSIONAL ENGINEER

Suzanne K. Schleeper
10-6-14

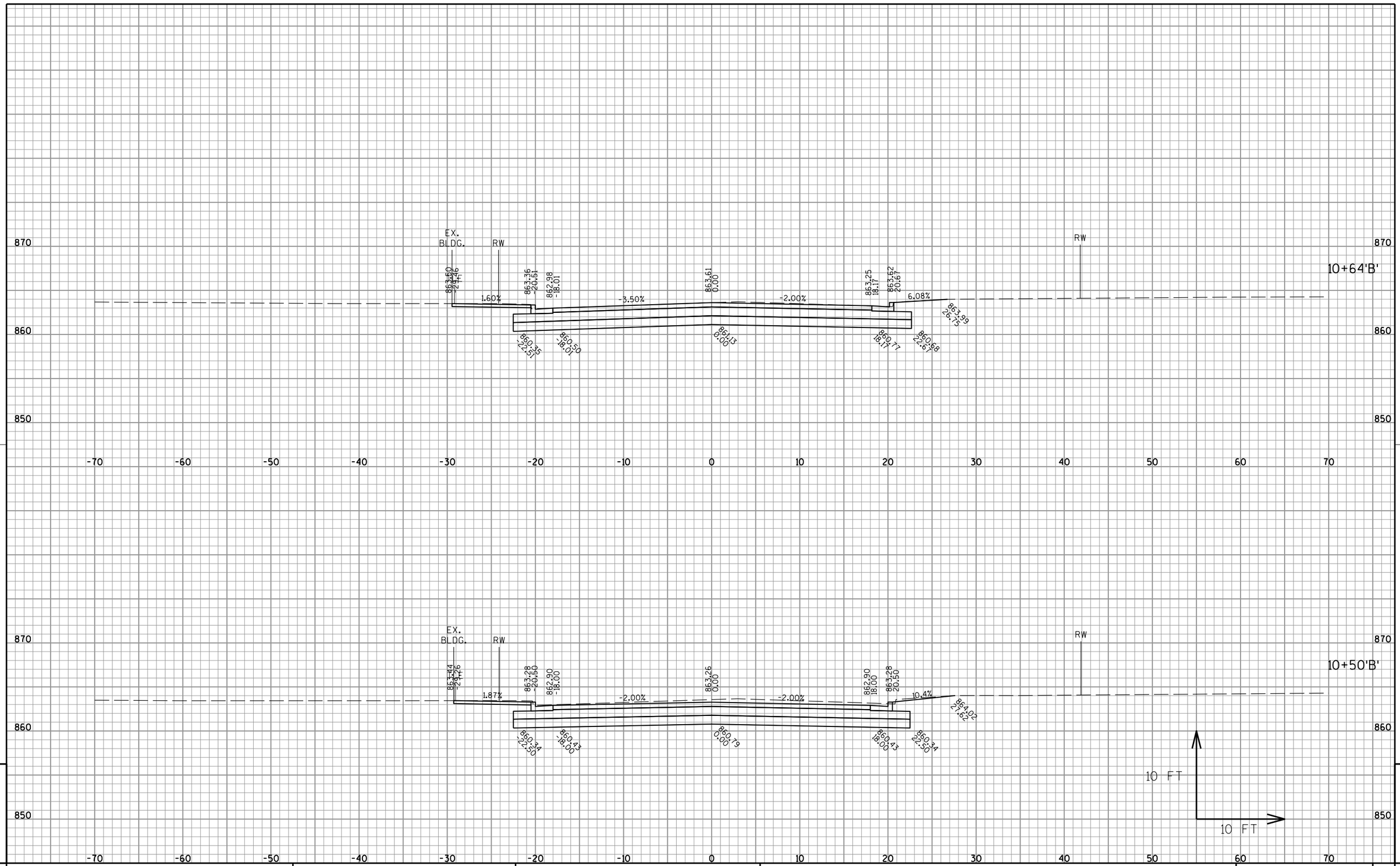
THIS STAMP COVERS SIDE ROAD CROSS SECTION SHEETS FROM STA. 104+78.19 TO STA. 125+99.00 ALONG USH 14 INCLUDING WATER STREET, CENTER STREET, SPRING STREET, EAST STREET, MAPLE STREET, AND HICKORY STREET FOR A TOTAL OF 9 SHEETS.

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: WATER STREET	SHEET	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



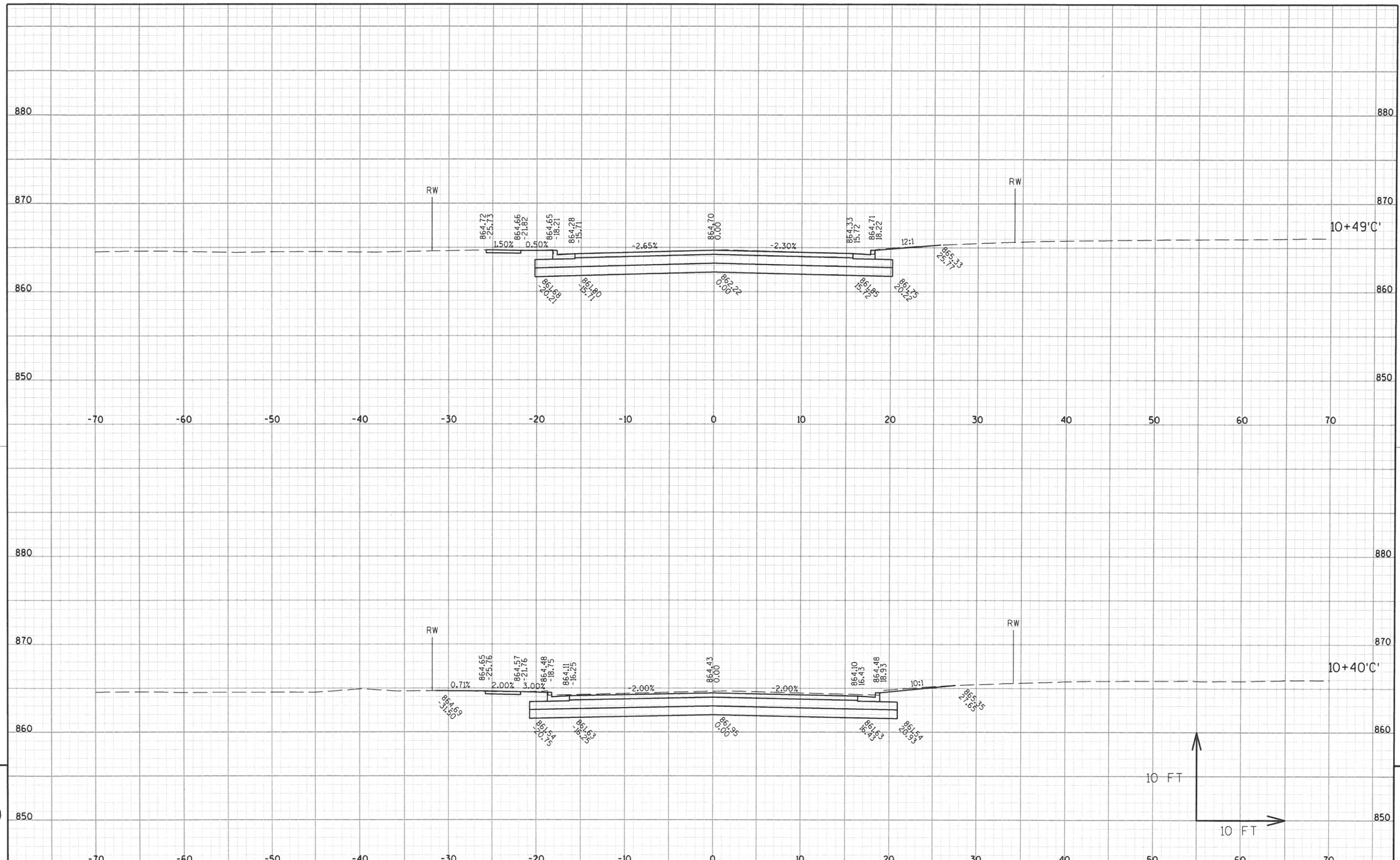
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: WATER STREET	SHEET 562	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 8/29/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



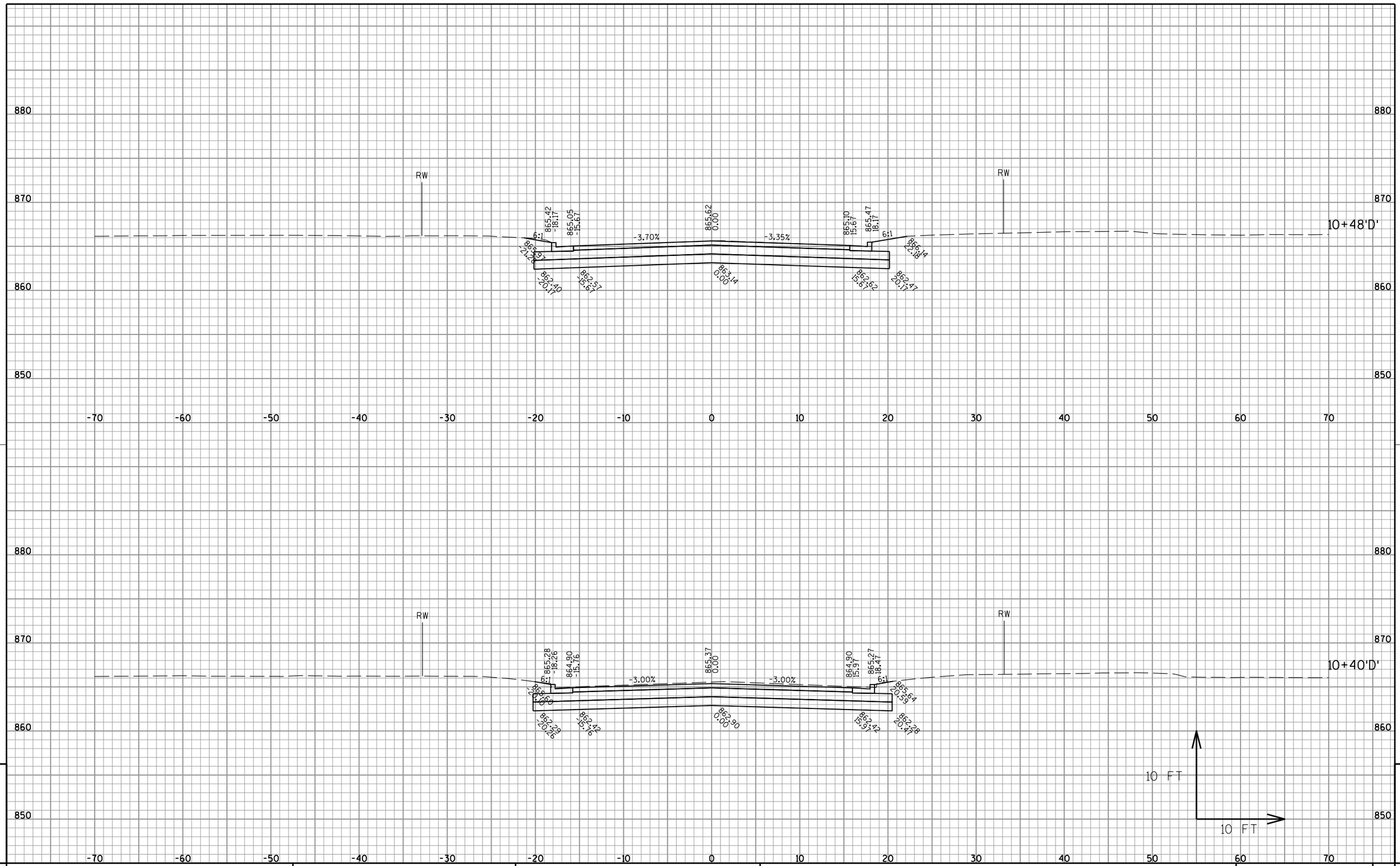
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: CENTER STREET	SHEET 563 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 10/6/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



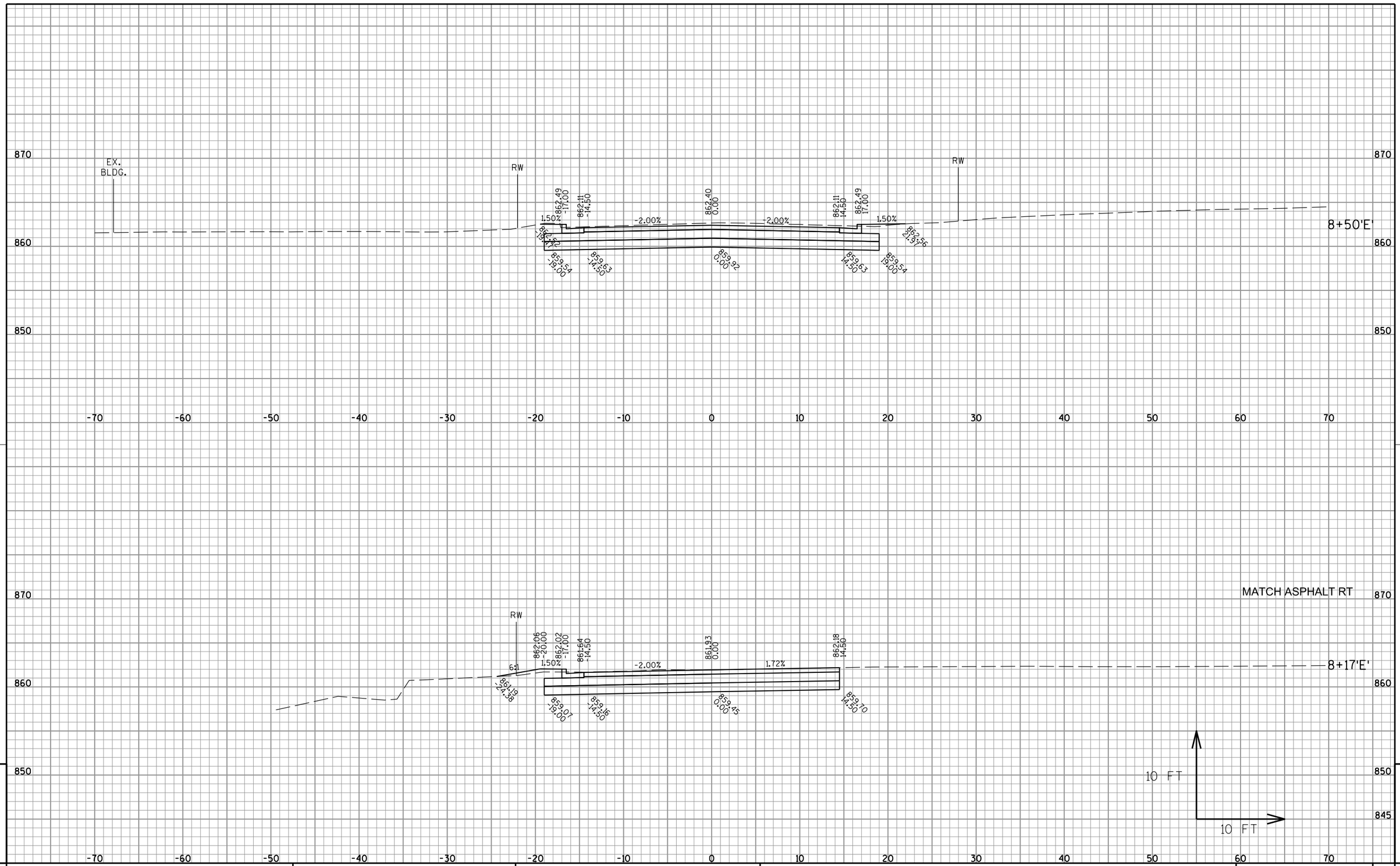
9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: SPRING STREET	SHEET 564 E

9

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 8/29/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21

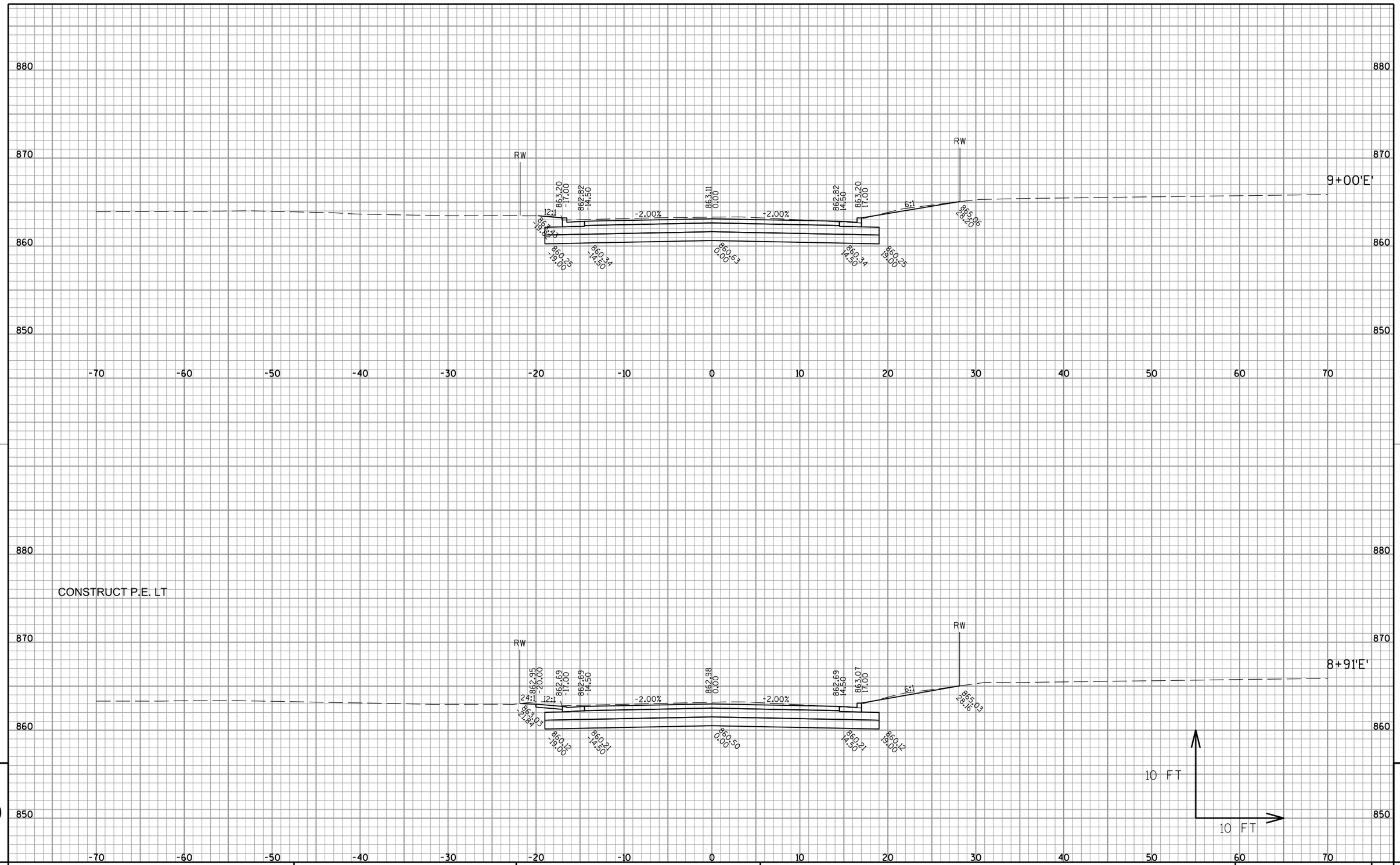


9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST STREET	SHEET 565	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 8/29/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.



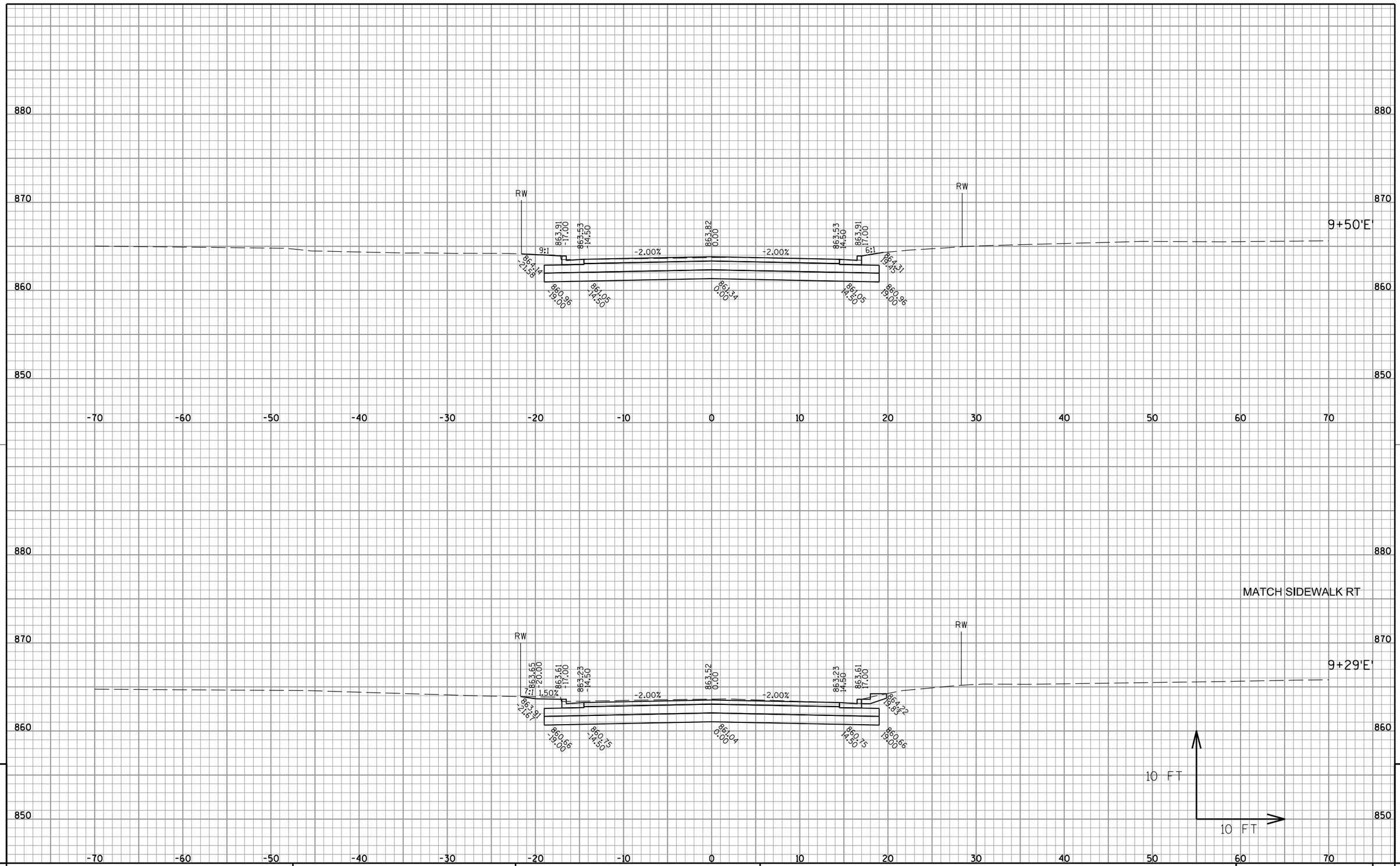
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST STREET	SHEET 566	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 8/29/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

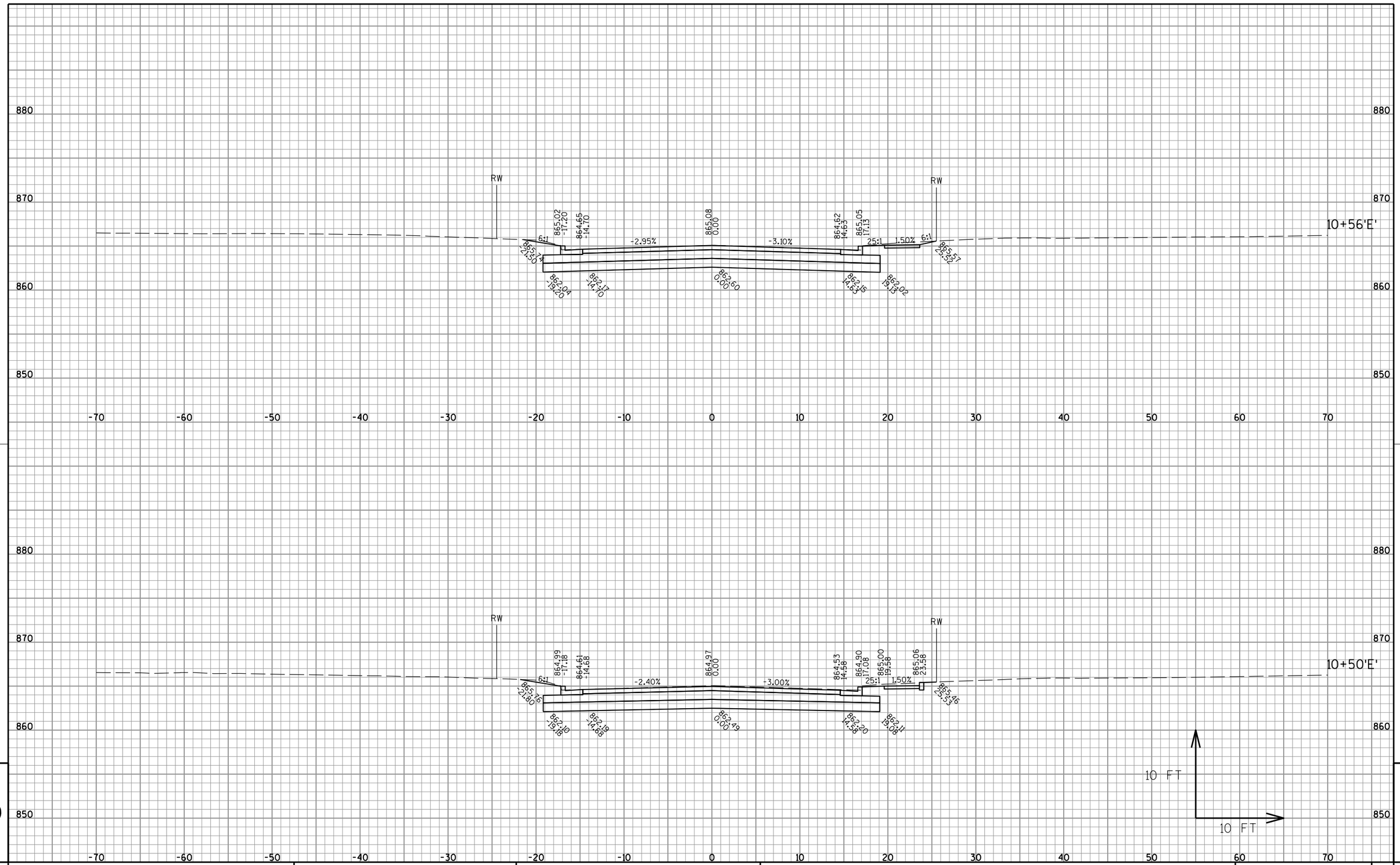
WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST STREET	SHEET 567 E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 8/29/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



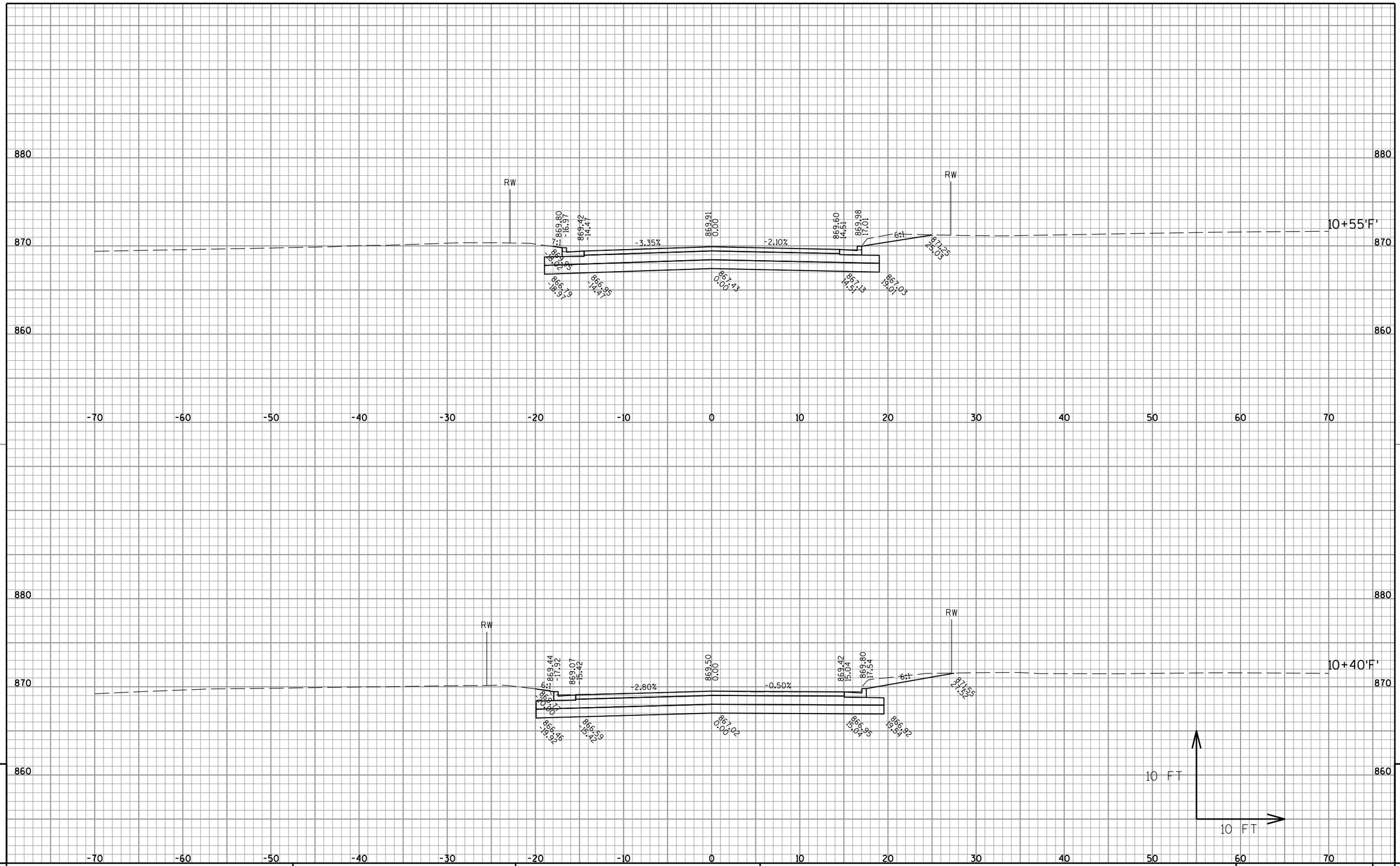
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST STREET	SHEET 568	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 8/29/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

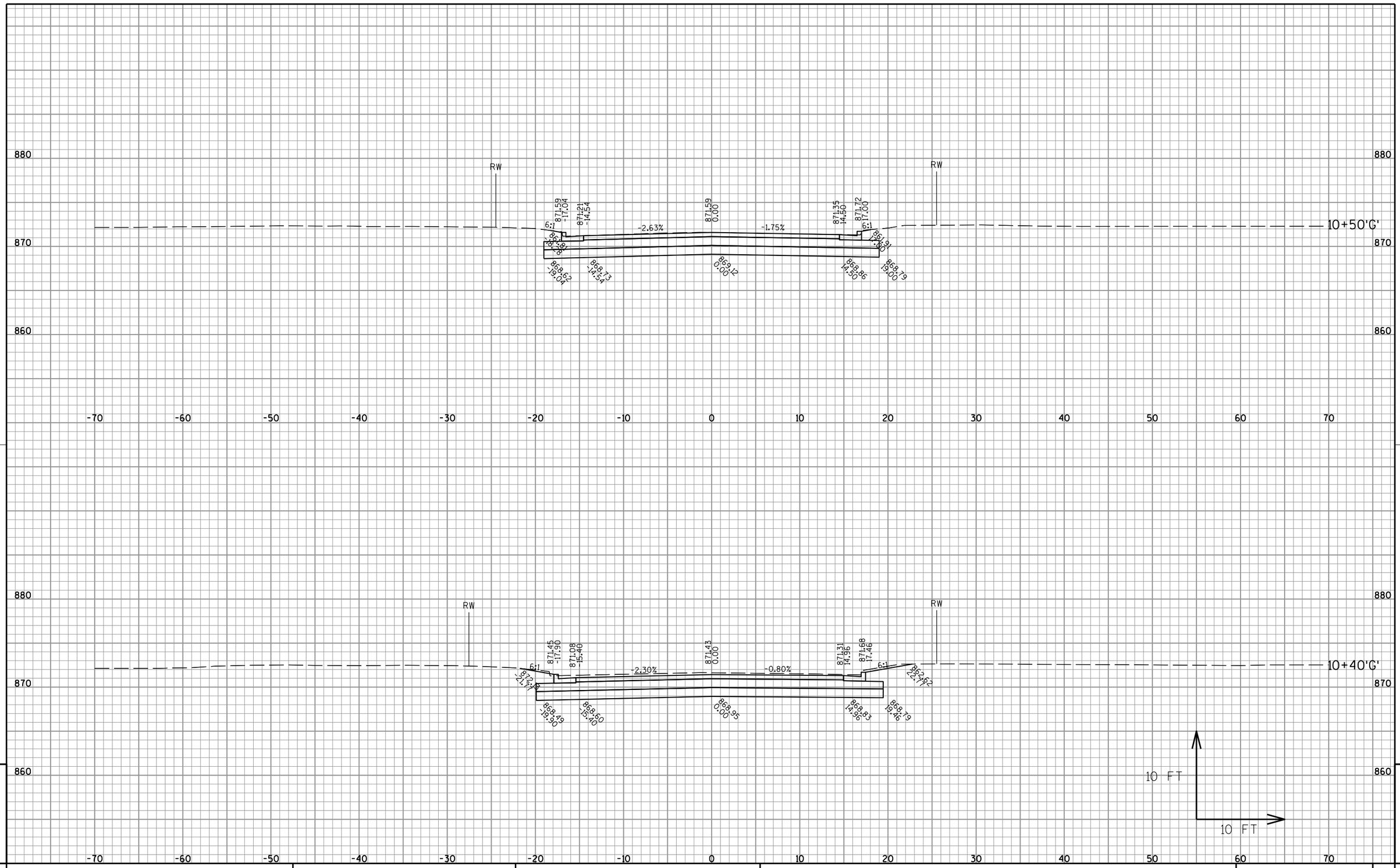
WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MAPLE STREET	SHEET 569	E



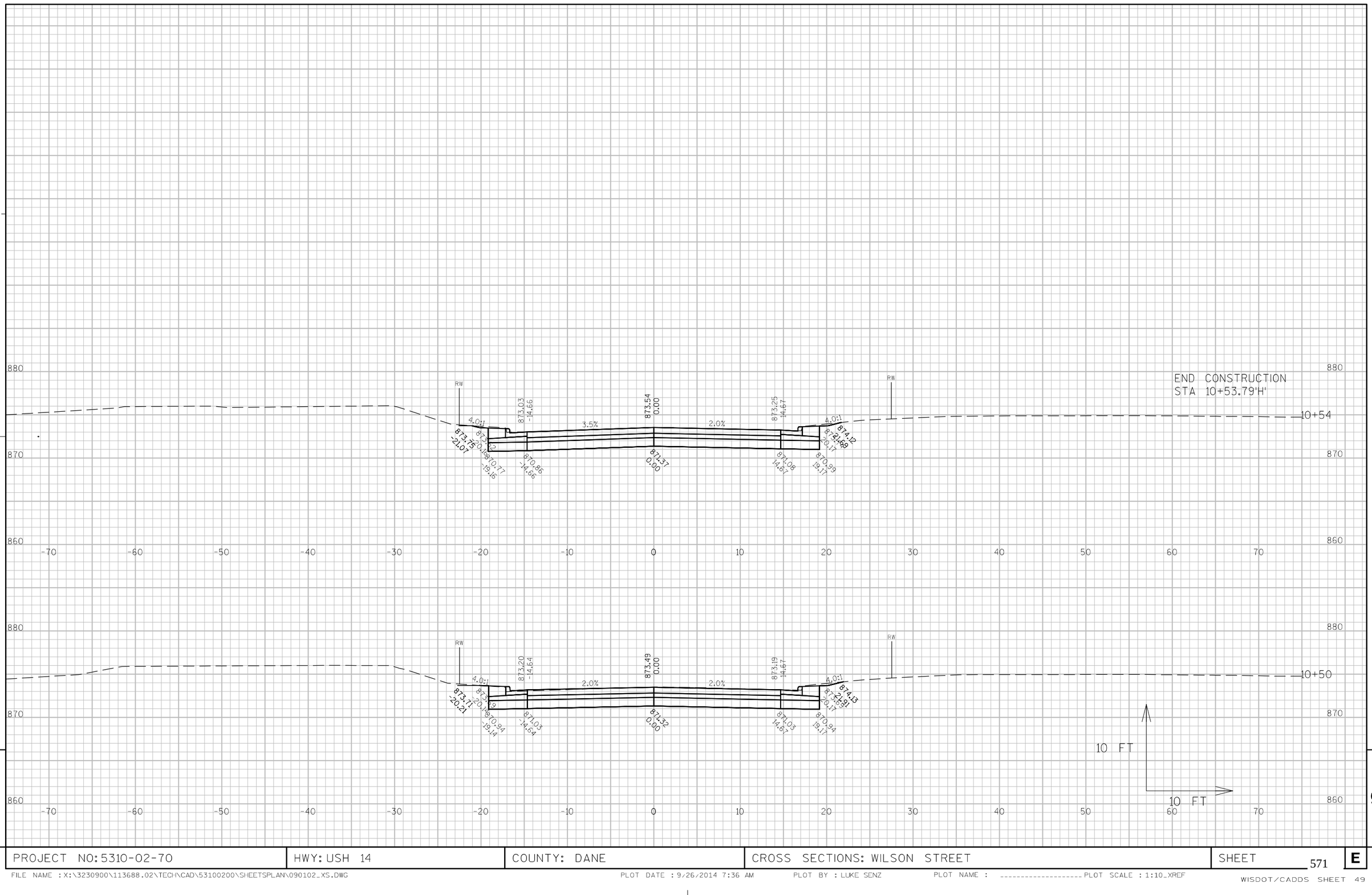
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9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: HICKORY STREET	SHEET 570	E

FILE NAME : S:\Projects\SW\Dane County\5310-02-00 US 14 Cross Plains\CAD\Plans\090202_xs.dgn PLOT DATE : 8/29/2014 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 10.0000 sf / in.

WISDOT/CADDS SHEET 21



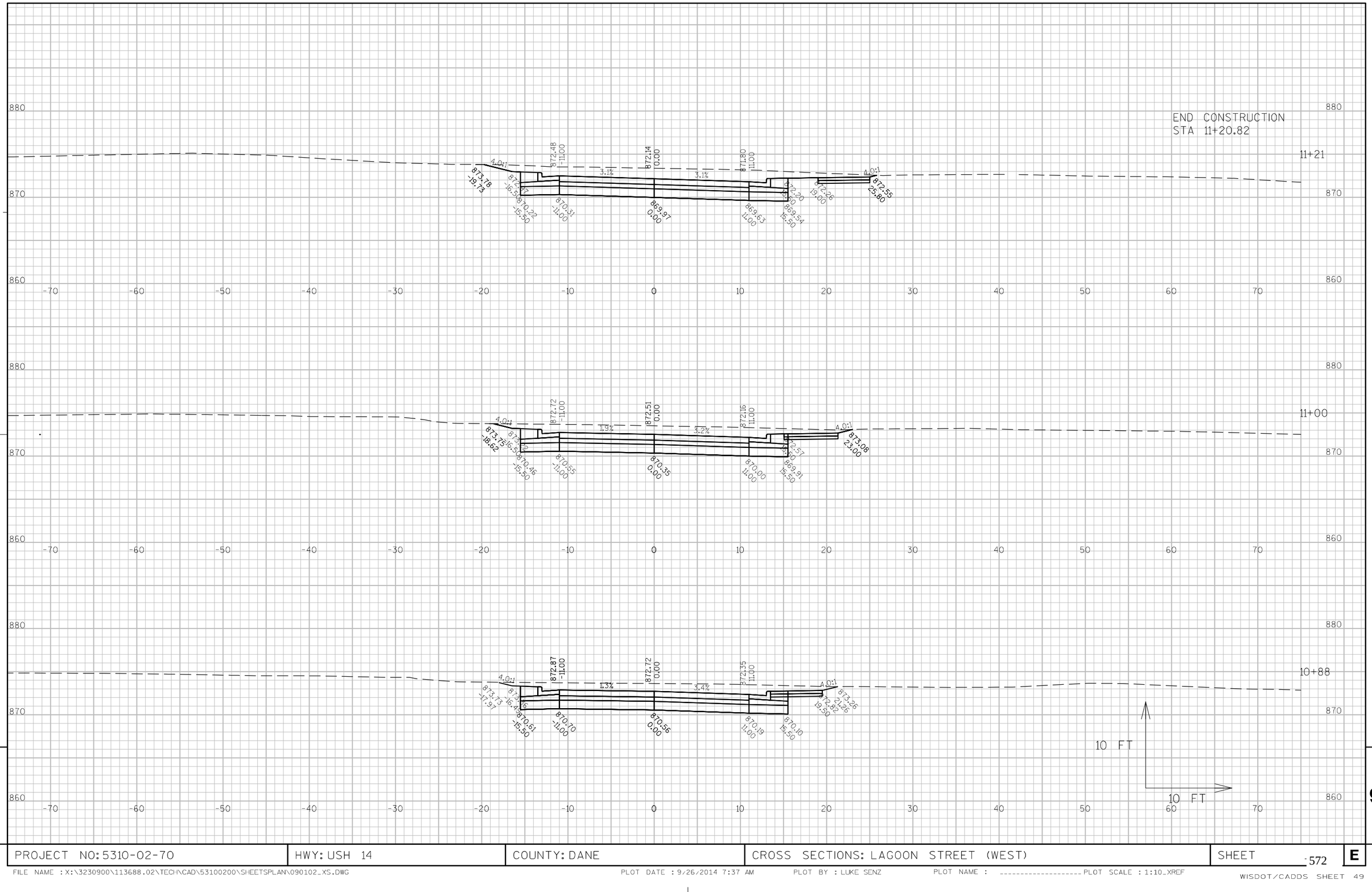
9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: WILSON STREET	SHEET 571	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:36 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

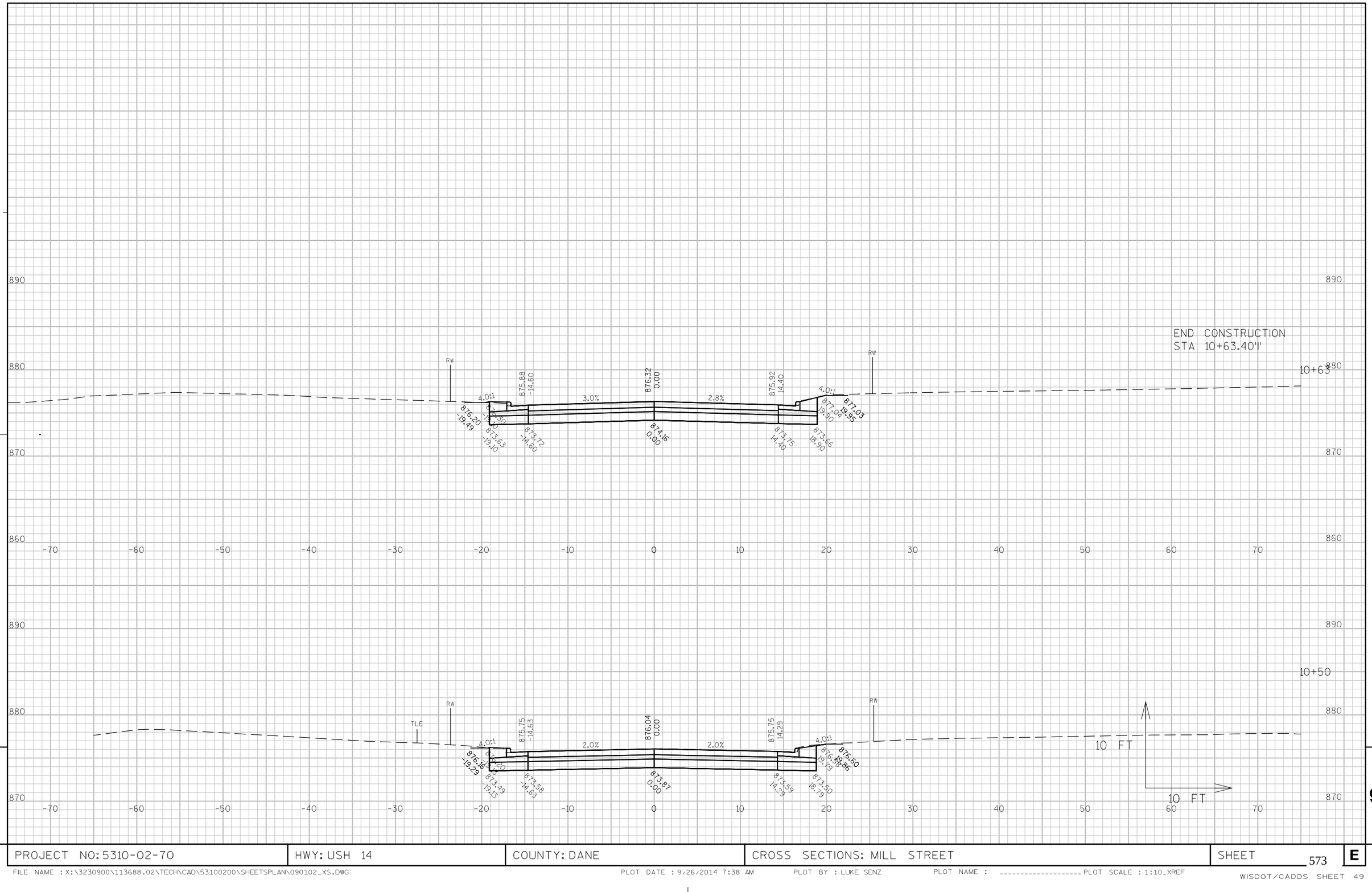
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET (WEST)	SHEET 572	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:37 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

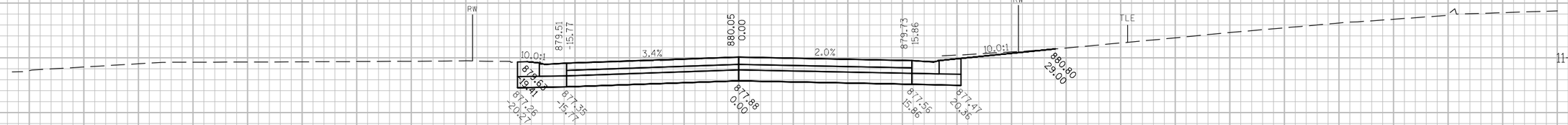


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: MILL STREET	SHEET 573	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:38 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

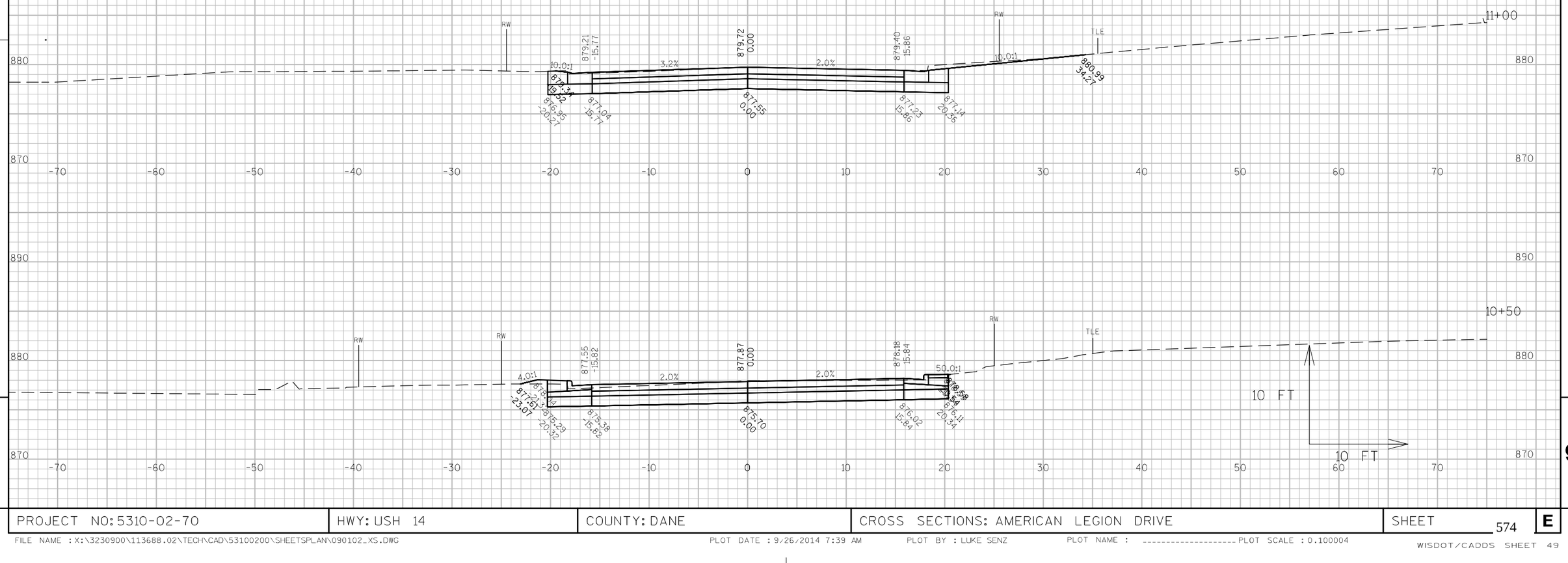
CONSTRUCT P.E. LT

END CONSTRUCTION
STA 11+09.00'J'
CONSTRUCT P.E. RT



CONSTRUCT P.E. LT

CONSTRUCT P.E. RT



9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: AMERICAN LEGION DRIVE	SHEET 574	E

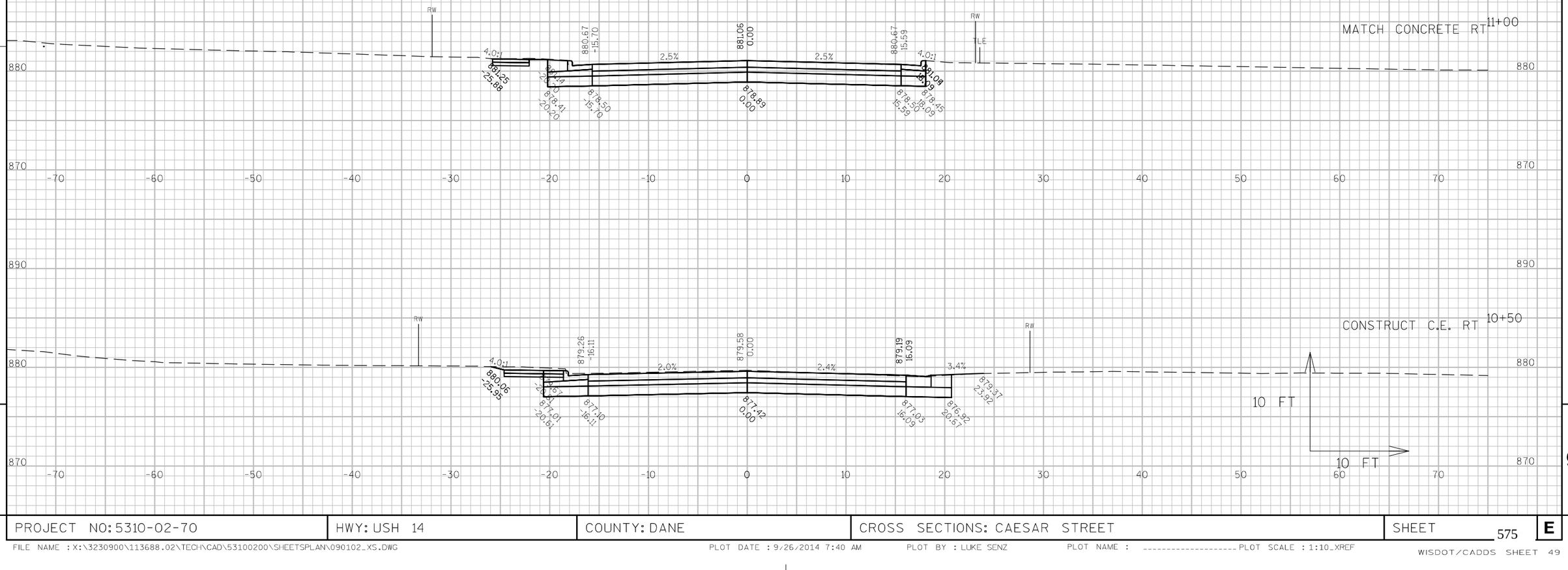
FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:39 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 0.100004

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 11+00.00'K'

MATCH CONCRETE RT 11+00

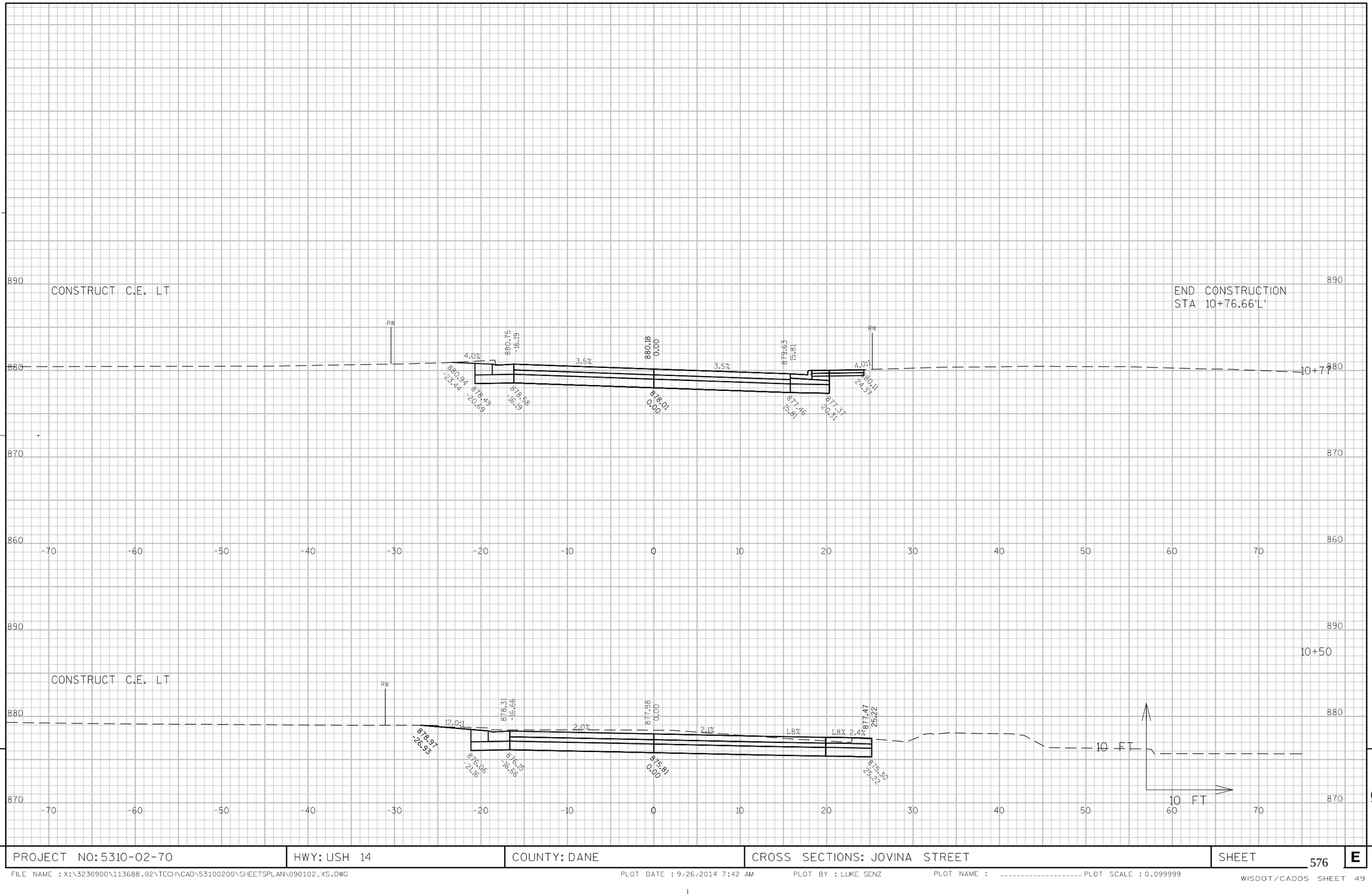
CONSTRUCT C.E. RT 10+50



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: CAESAR STREET	SHEET 575	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:40 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

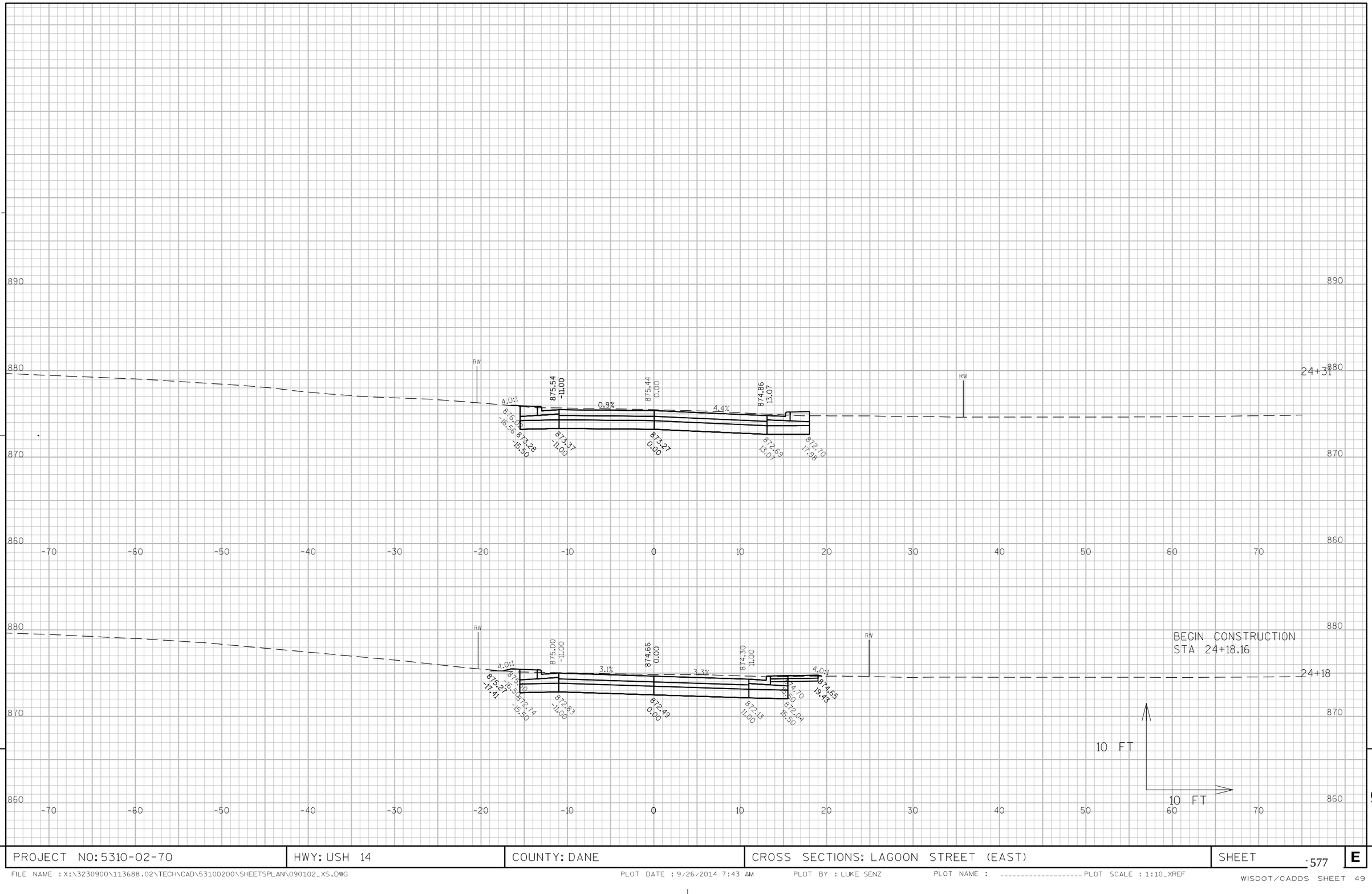
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: JOVINA STREET	SHEET 576 E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:42 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 0.099999

WISDOT/CADDS SHEET 49



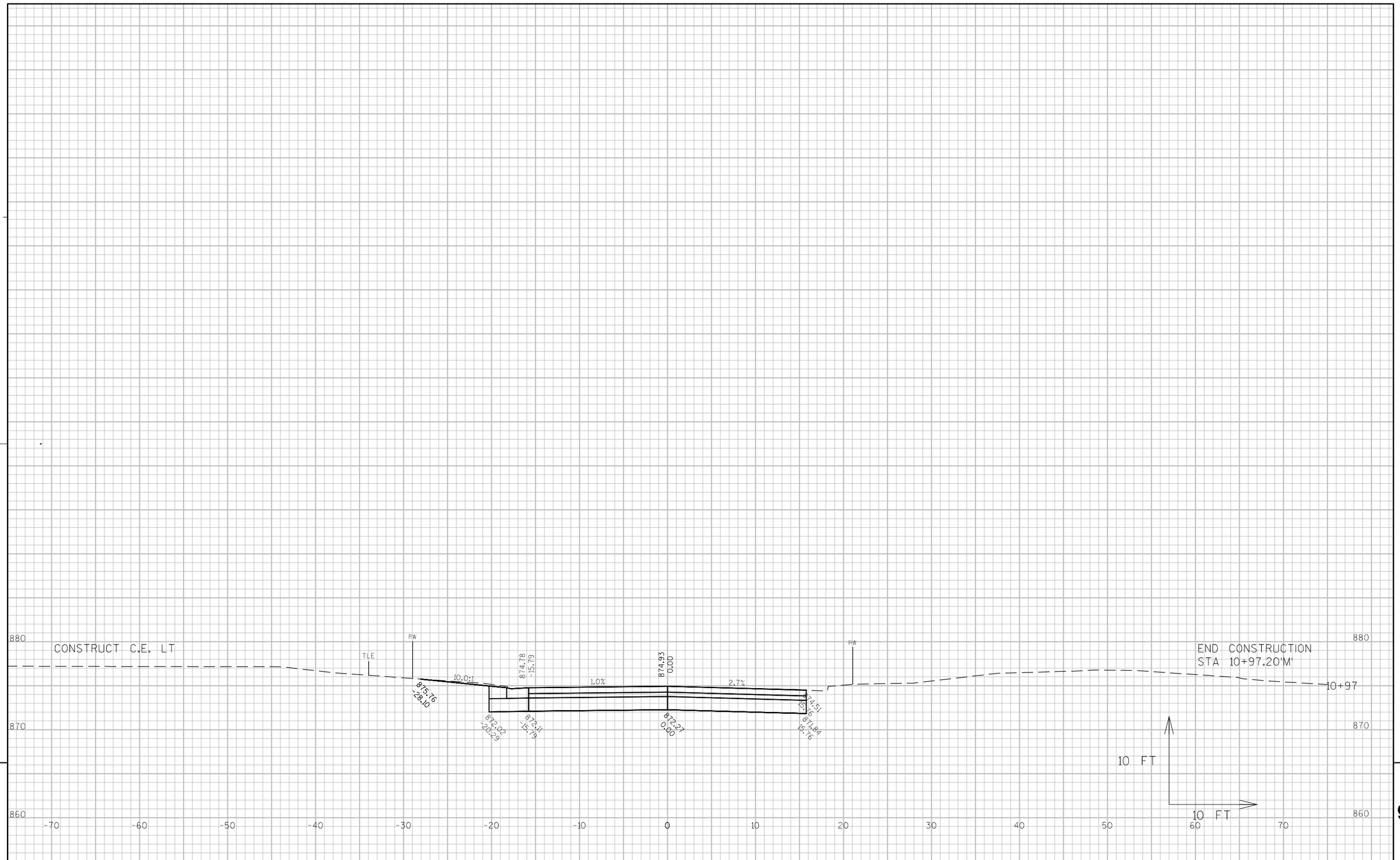
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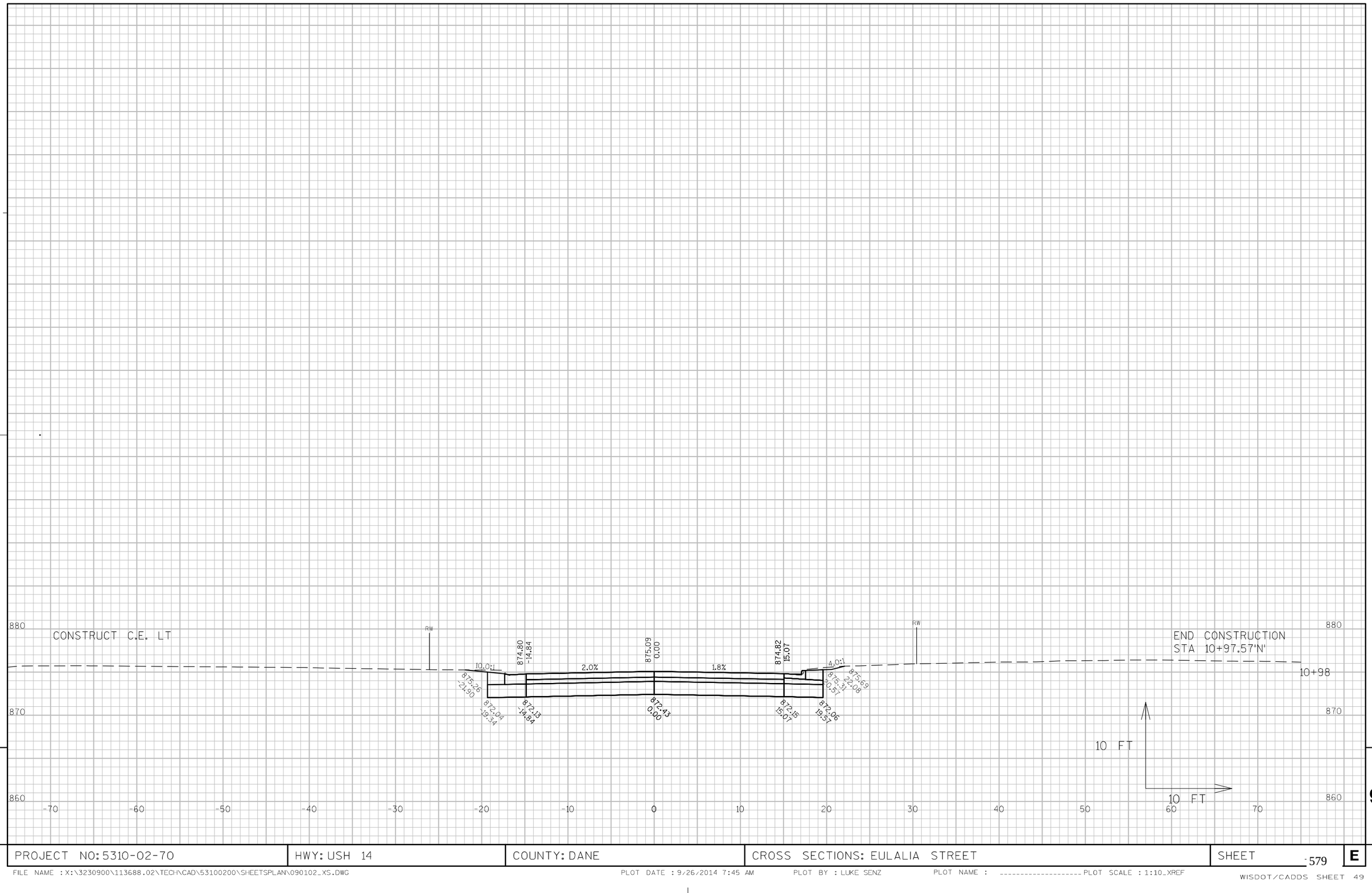
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET (EAST)	SHEET 577	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:43 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

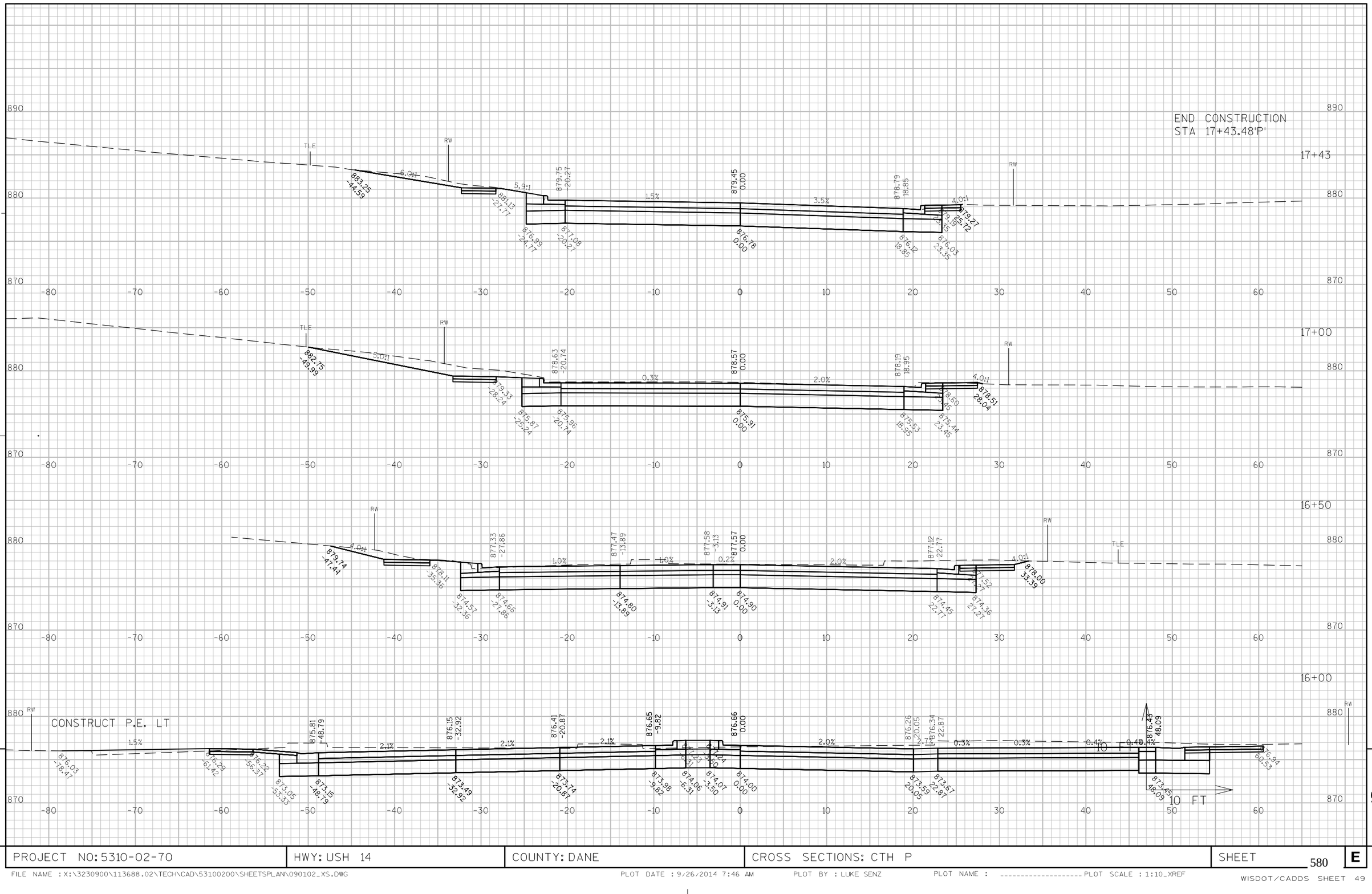


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: VALLEY STREET	SHEET 578	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EULALIA STREET	SHEET 579	E

END CONSTRUCTION
STA 17+43.48'P'

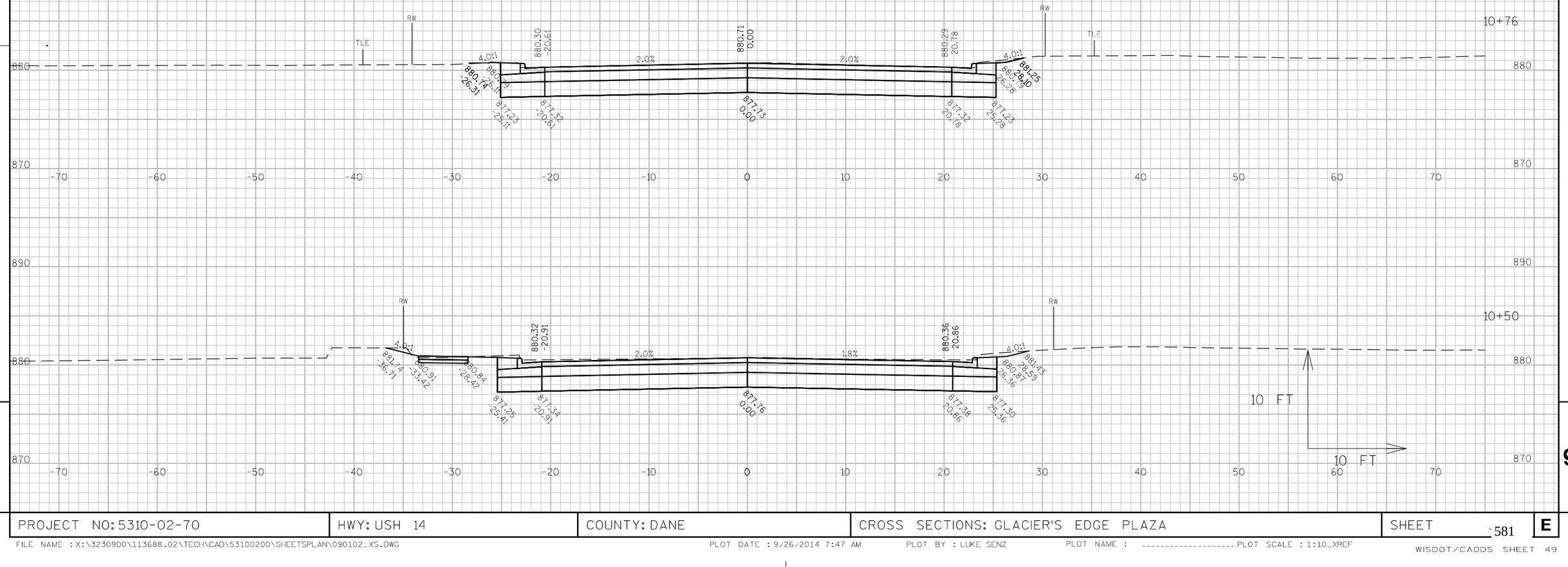


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: CTH P	SHEET 580	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090102_XS.DWG PLOT DATE : 9/26/2014 7:46 AM PLOT BY : LUKE SENZ PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 10+76.58'Q'

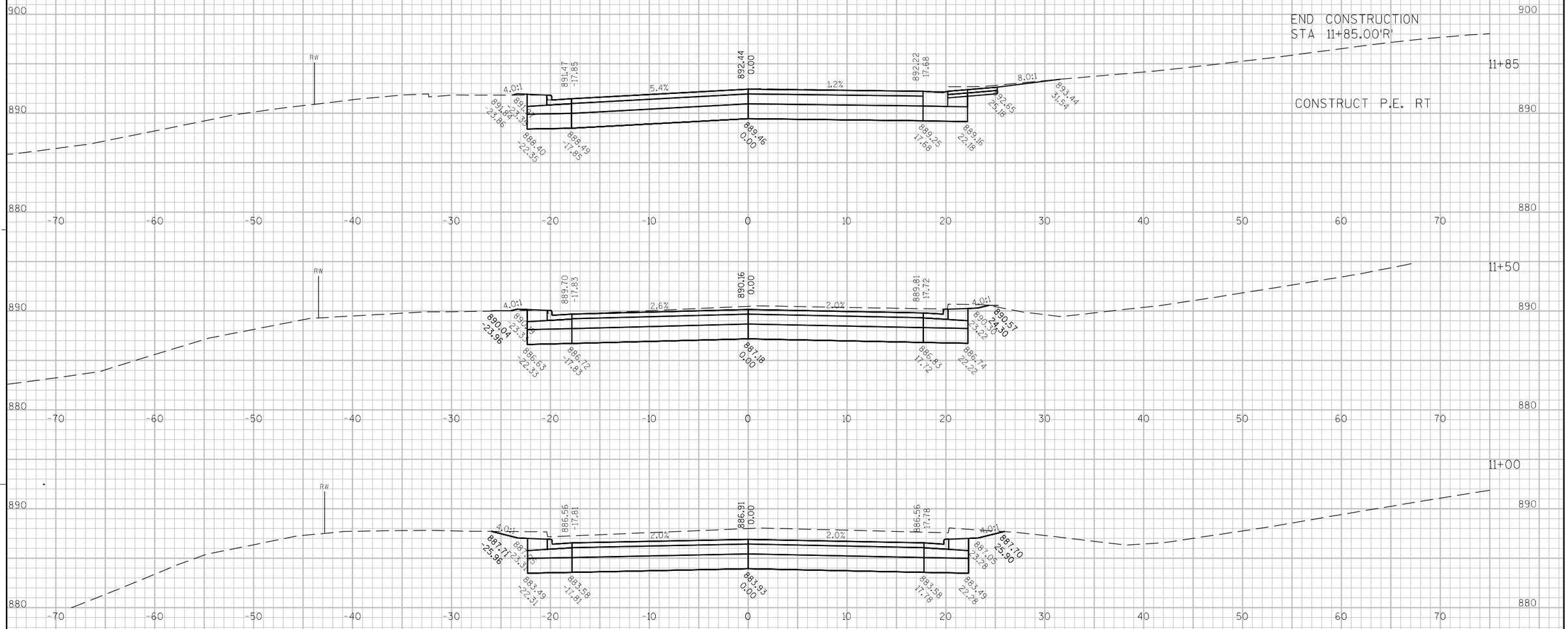


PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: GLACIER'S EDGE PLAZA	SHEET 581	E

END CONSTRUCTION
STA 11+85.00'R'

11+85

CONSTRUCT P.E. RT



11+50

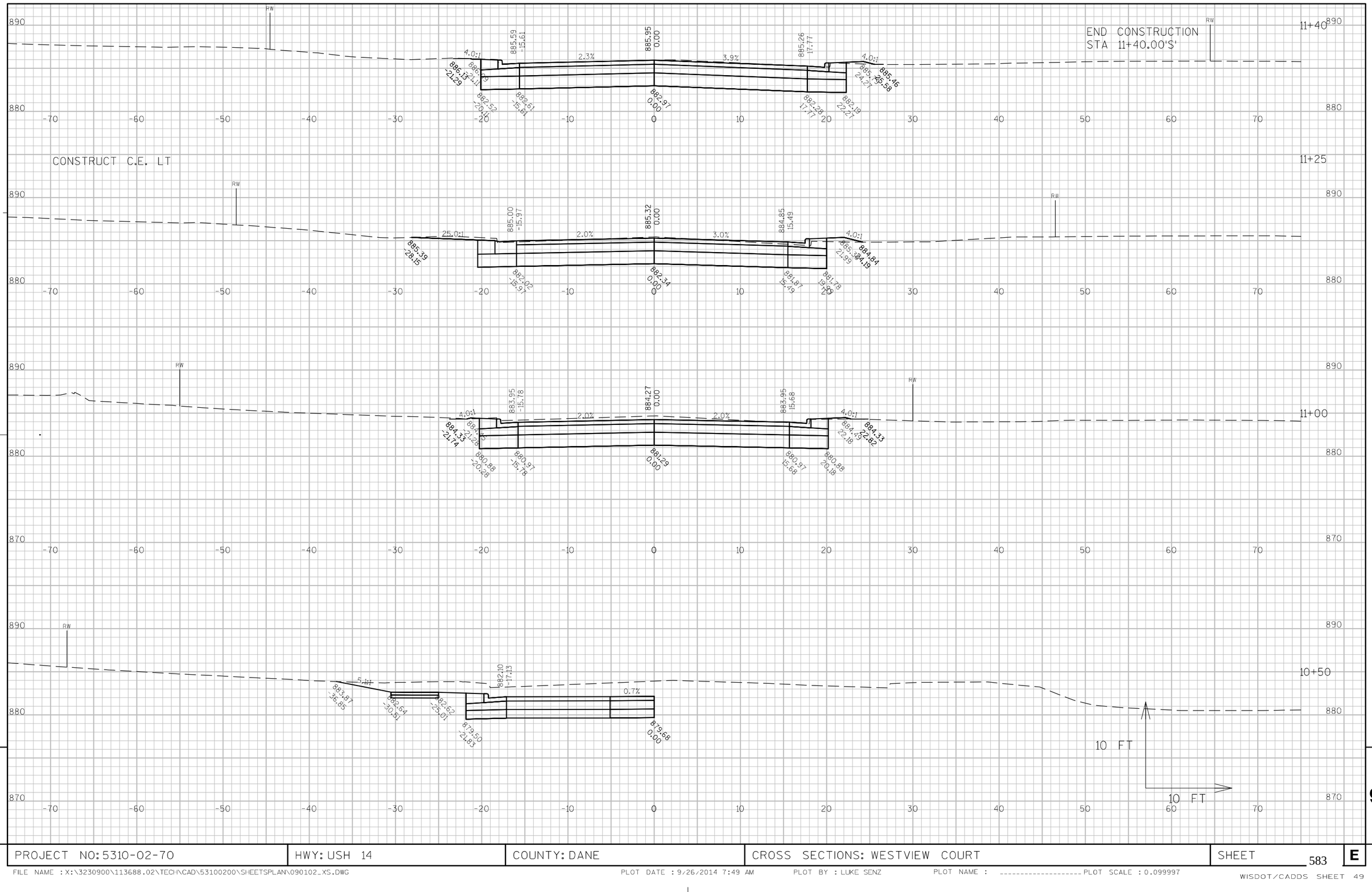
11+00

10+50

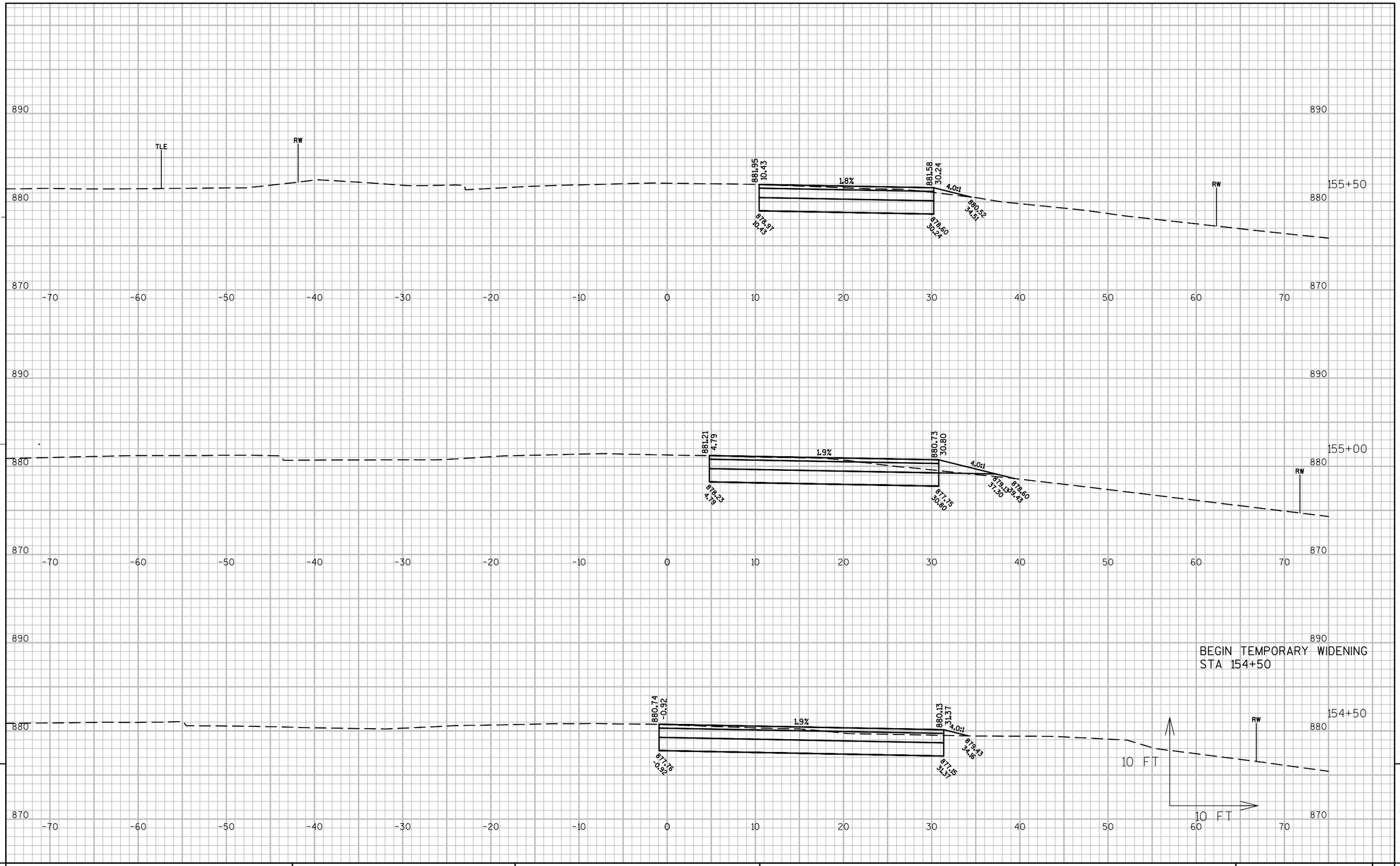
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PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: BREWERY ROAD	SHEET 582	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: WESTVIEW COURT	SHEET 583	E

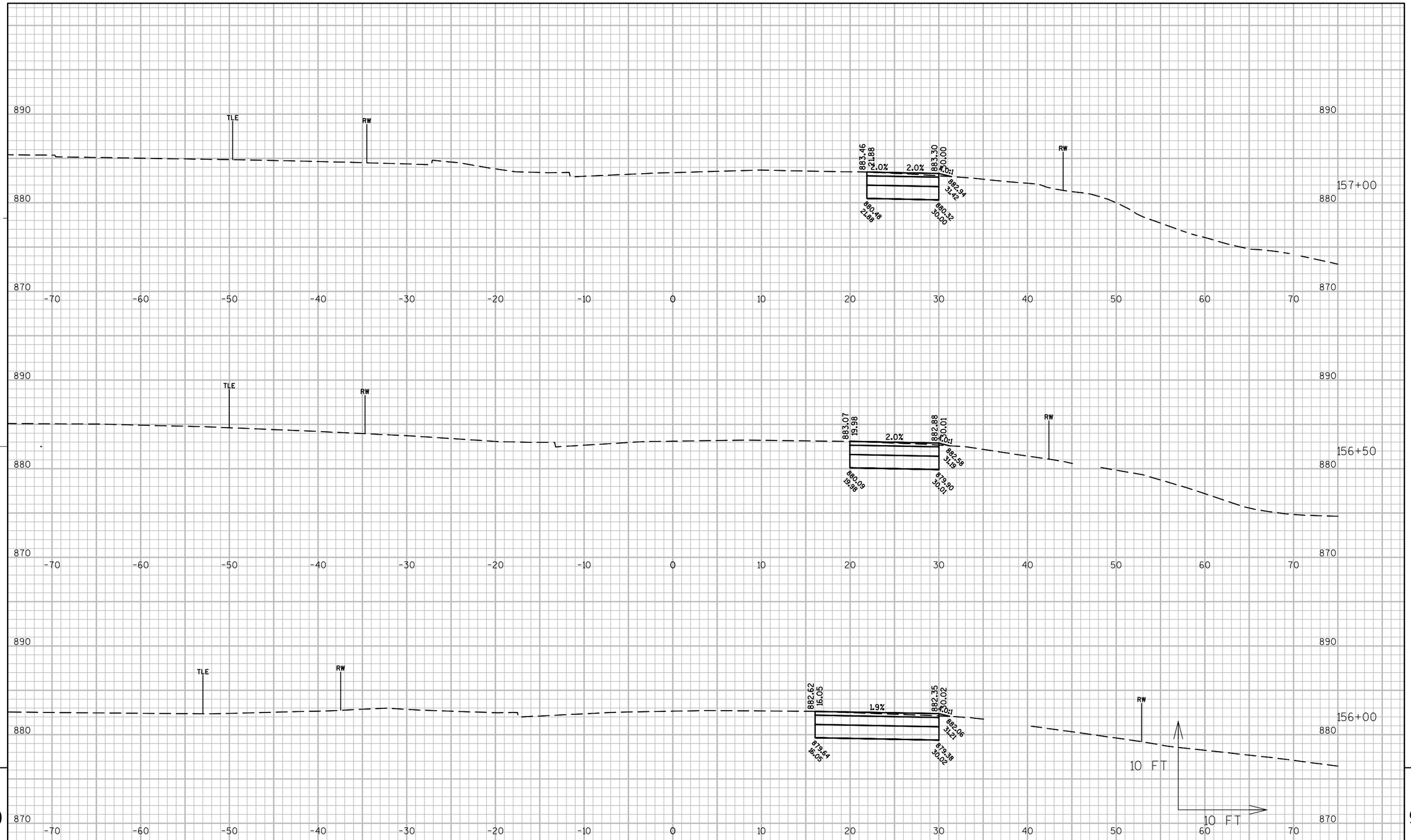


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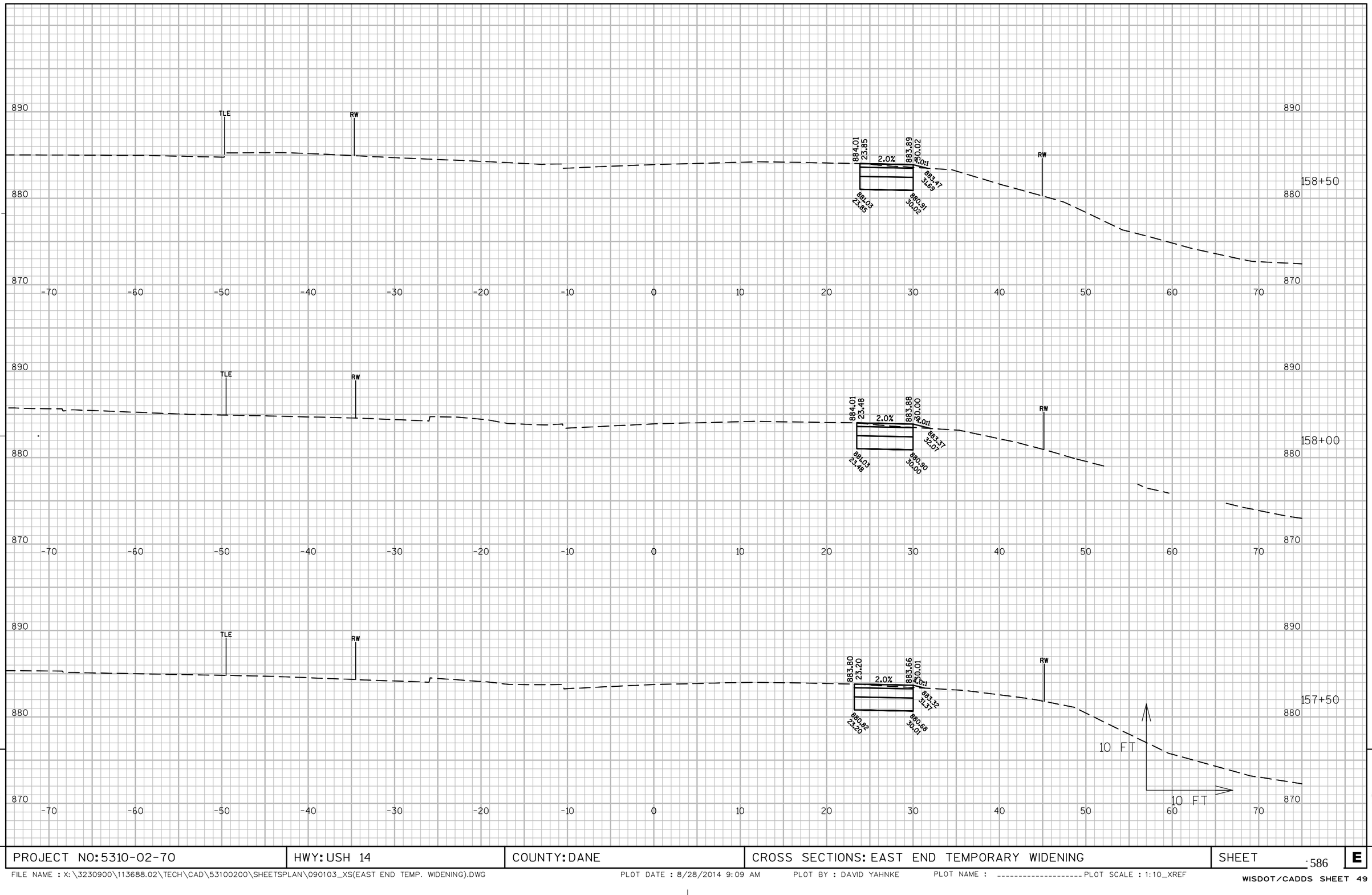
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 584	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090103_XS(EAST END TEMP. WIDENING).DWG PLOT DATE : 8/28/2014 9:08 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:10_XREF



9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 585	E



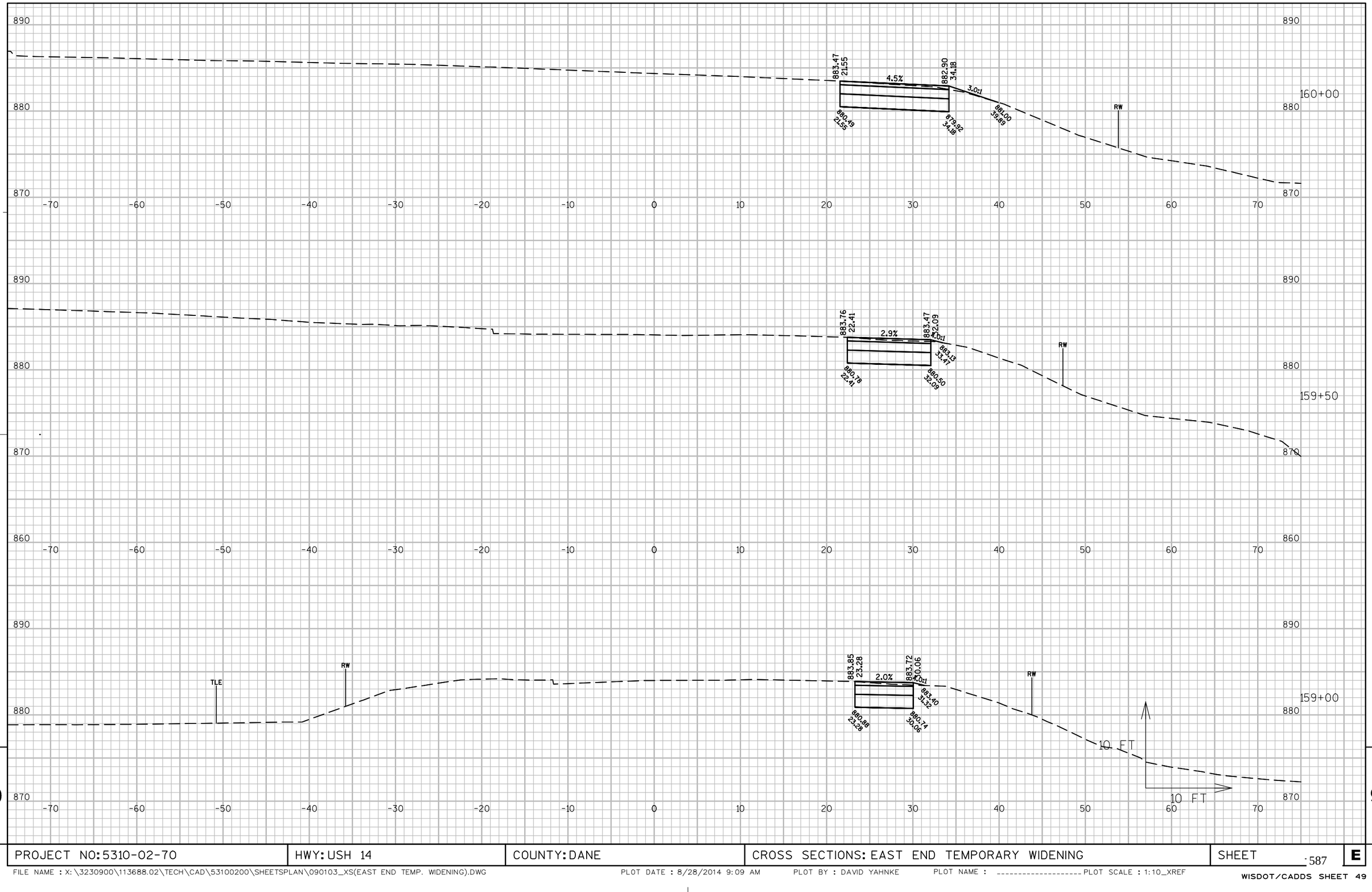
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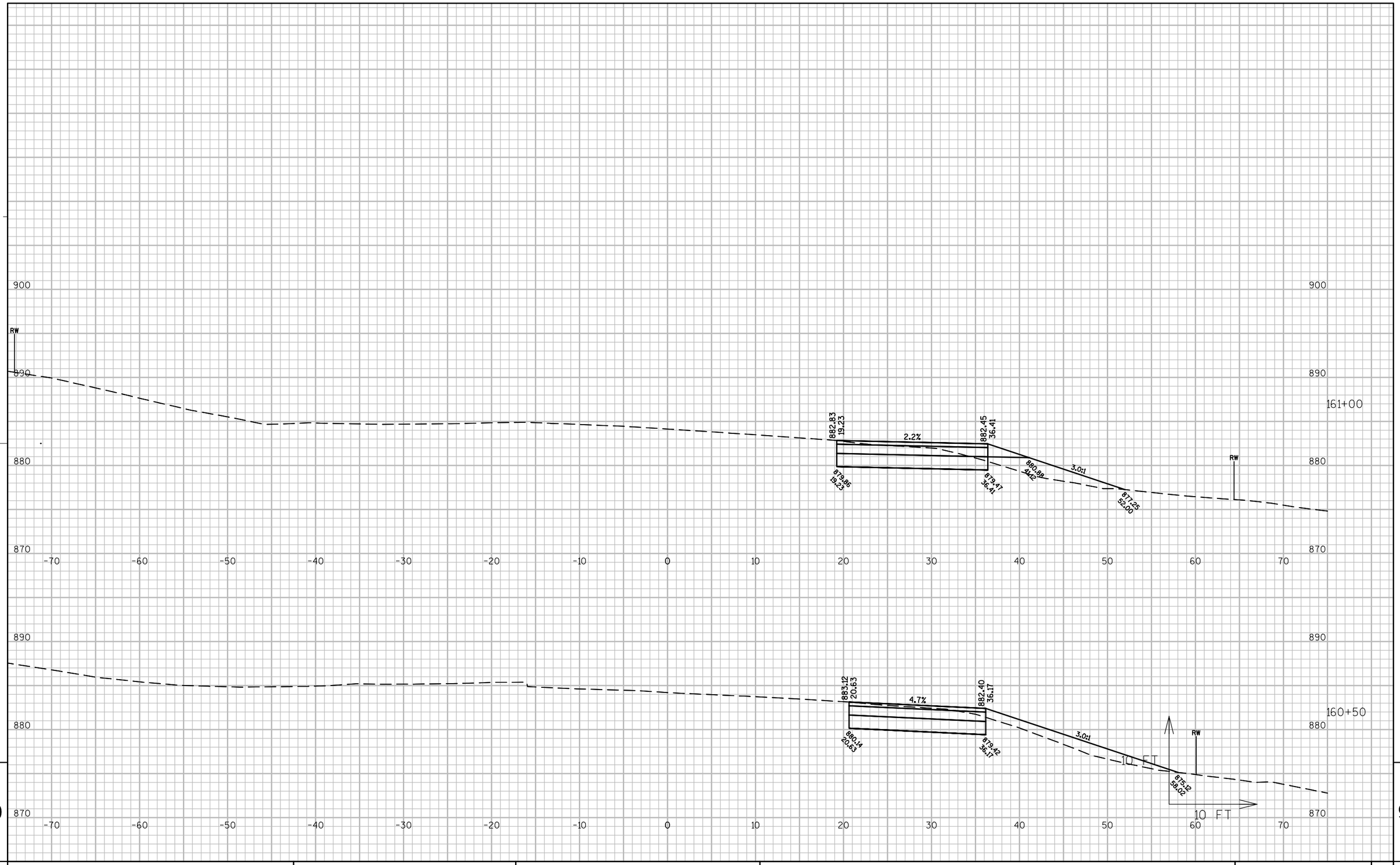
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 586	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090103_XS(EAST END TEMP. WIDENING).DWG PLOT DATE : 8/28/2014 9:09 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



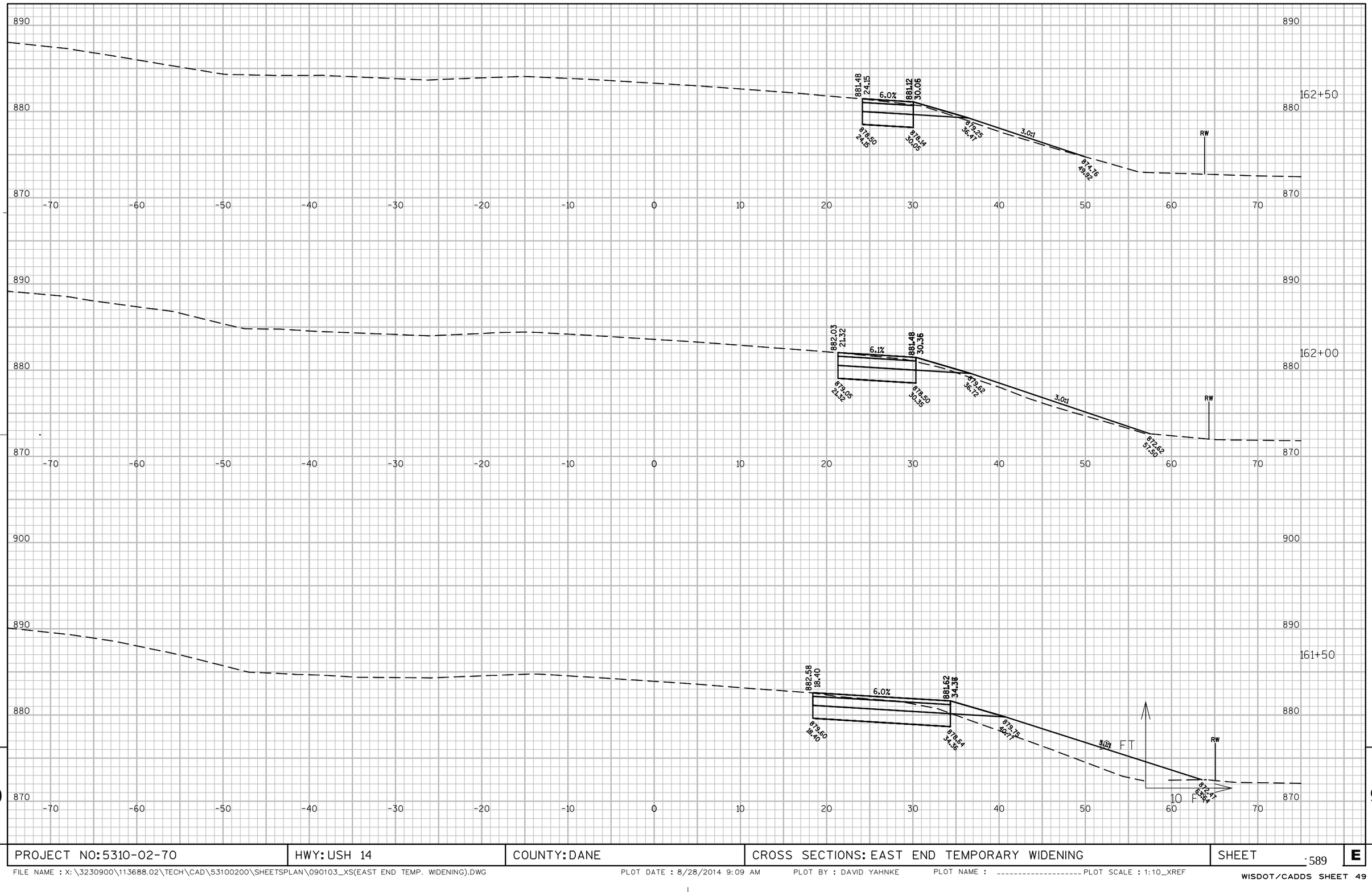
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 587	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 588	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090103_XS(EAST END TEMP. WIDENING).DWG PLOT DATE : 8/28/2014 9:09 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

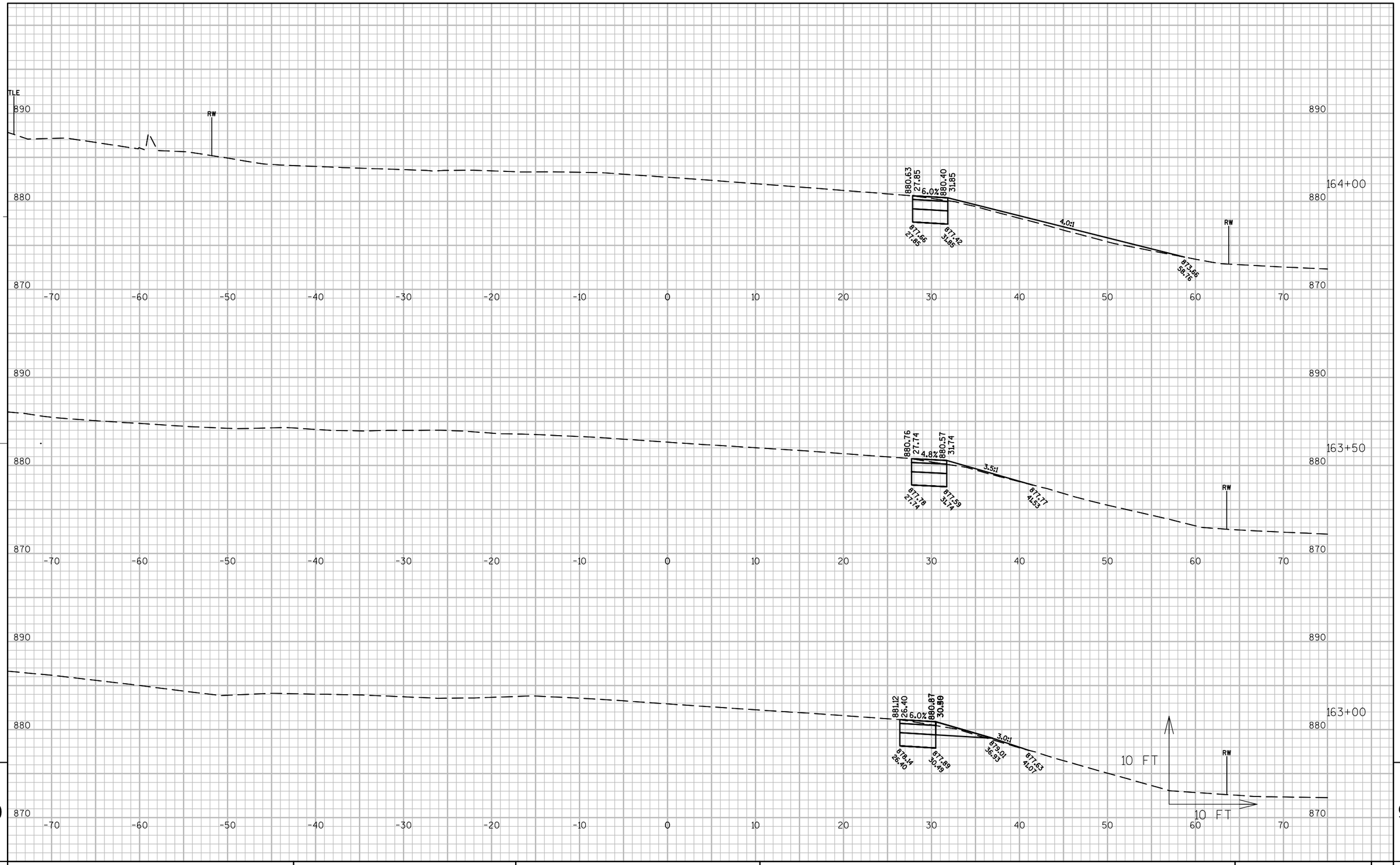
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 589	E

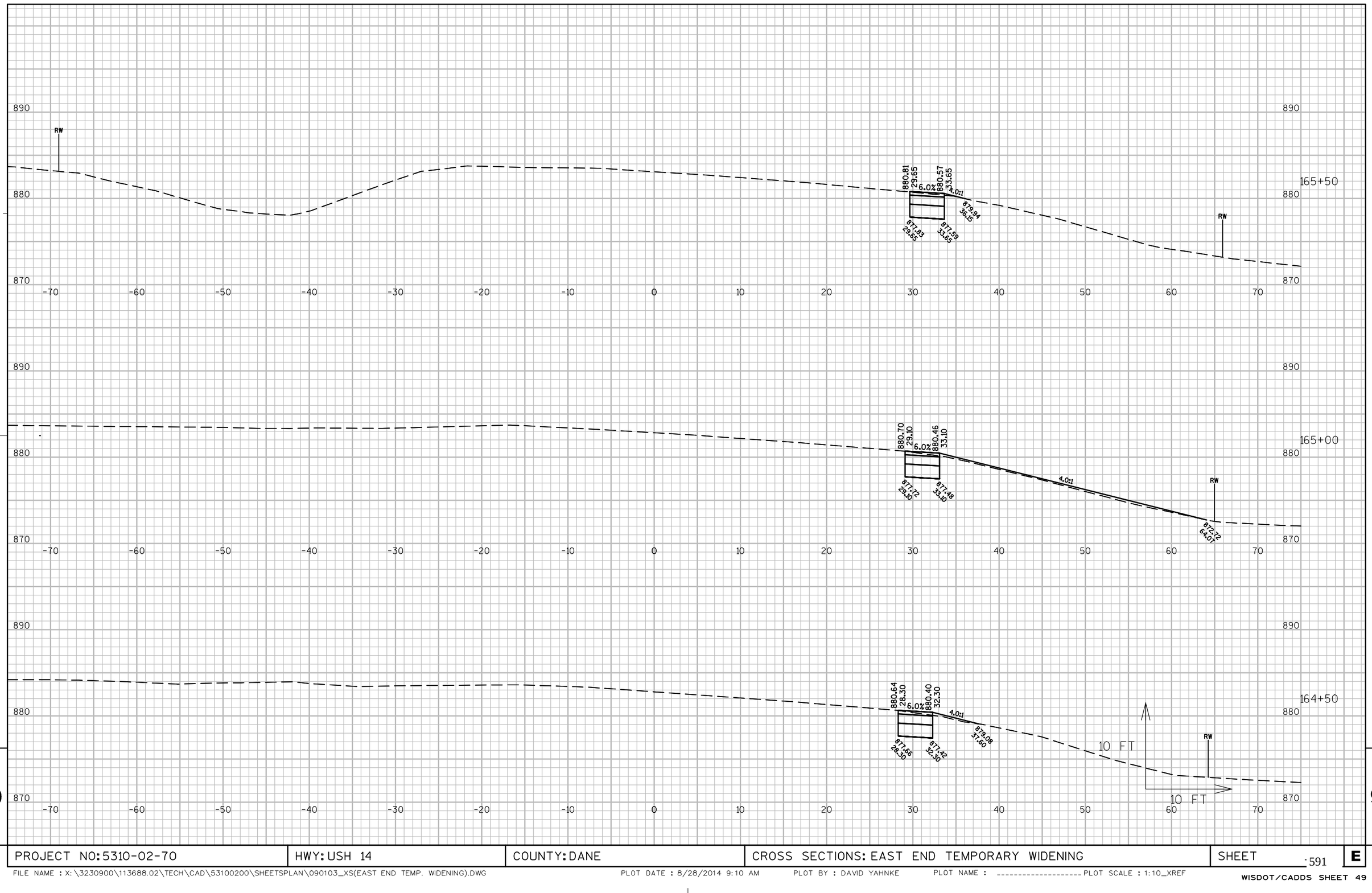
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WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 590	E

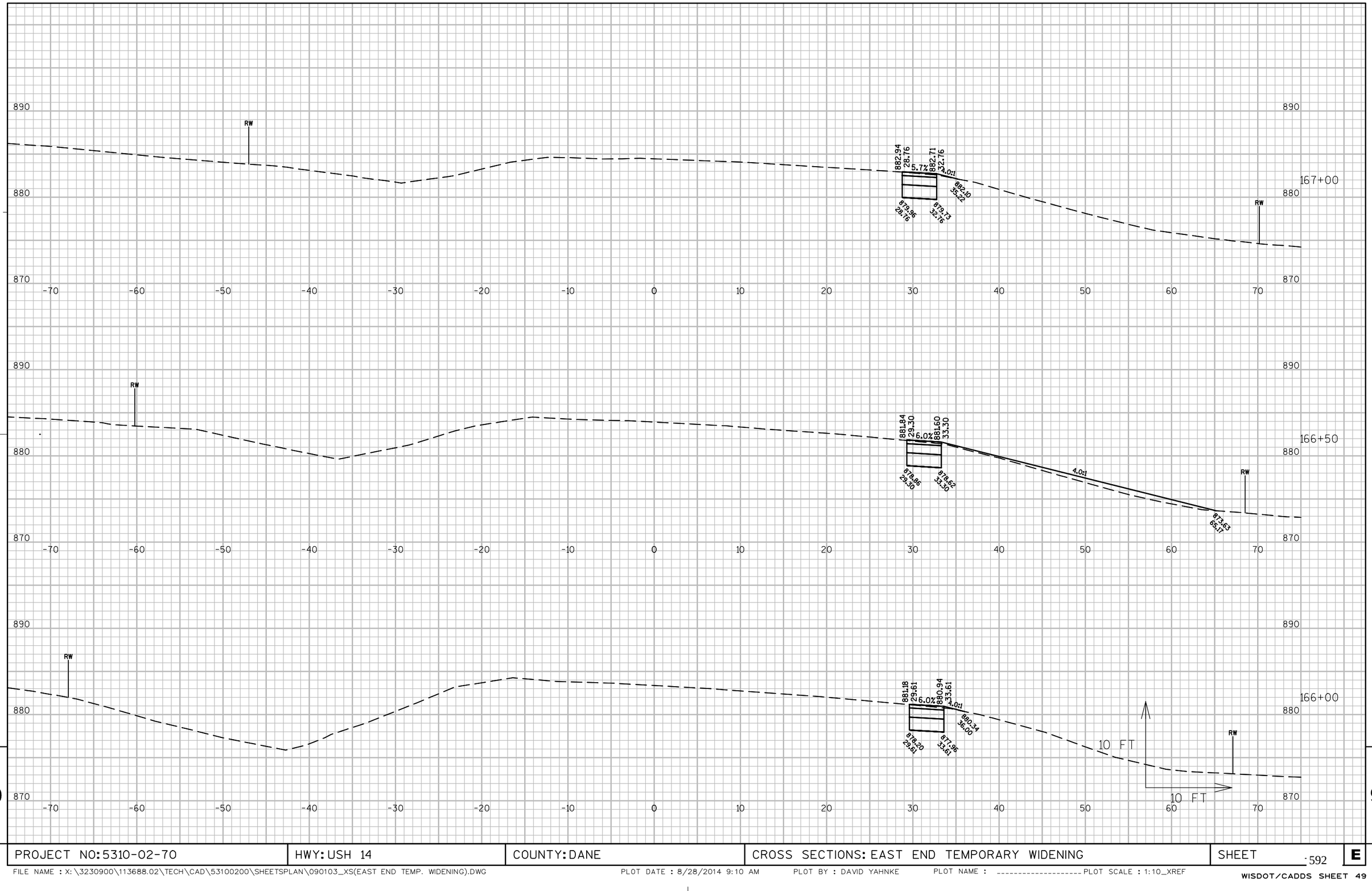
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9

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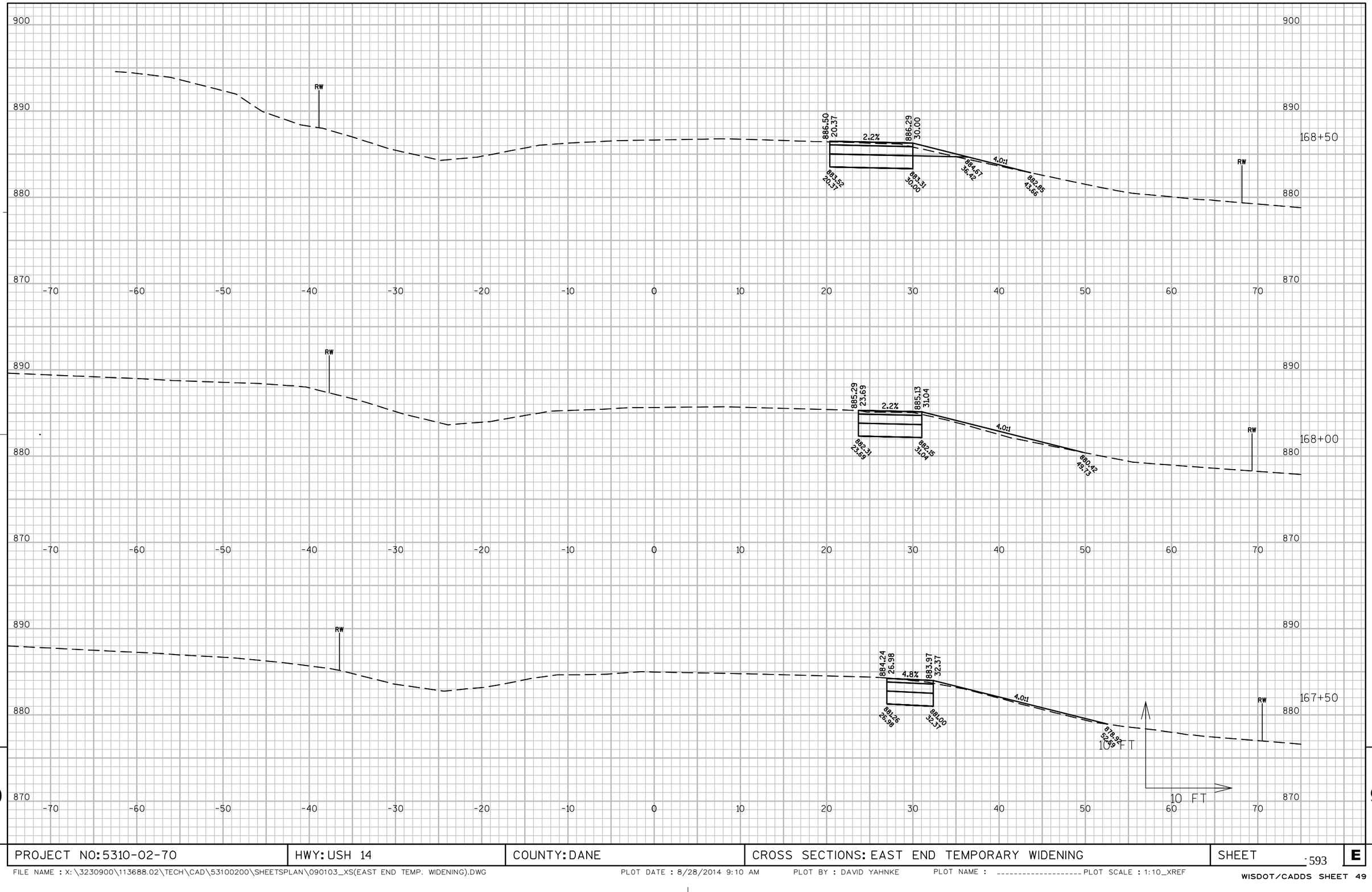
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 591	E



9

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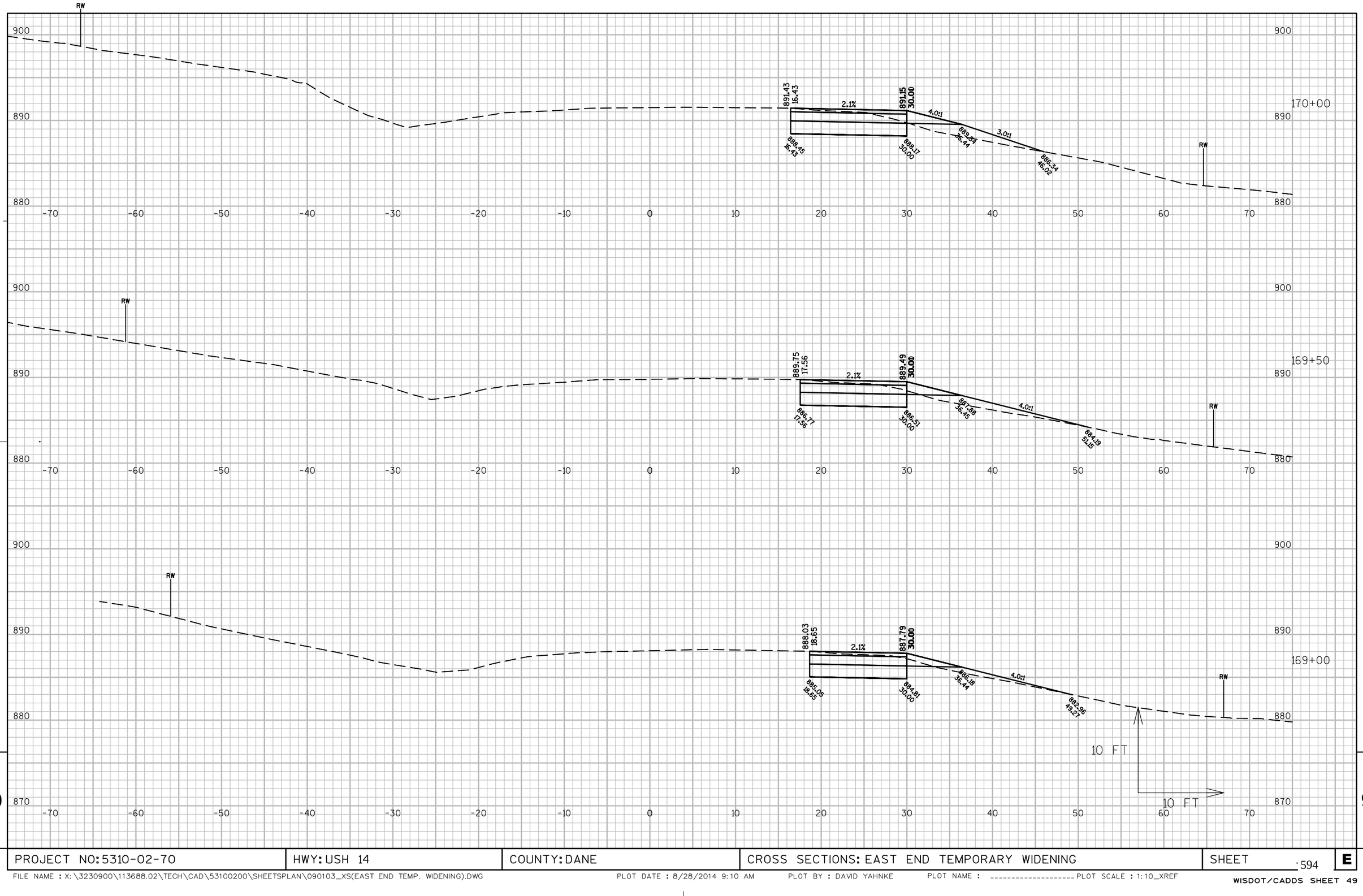
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 592	E



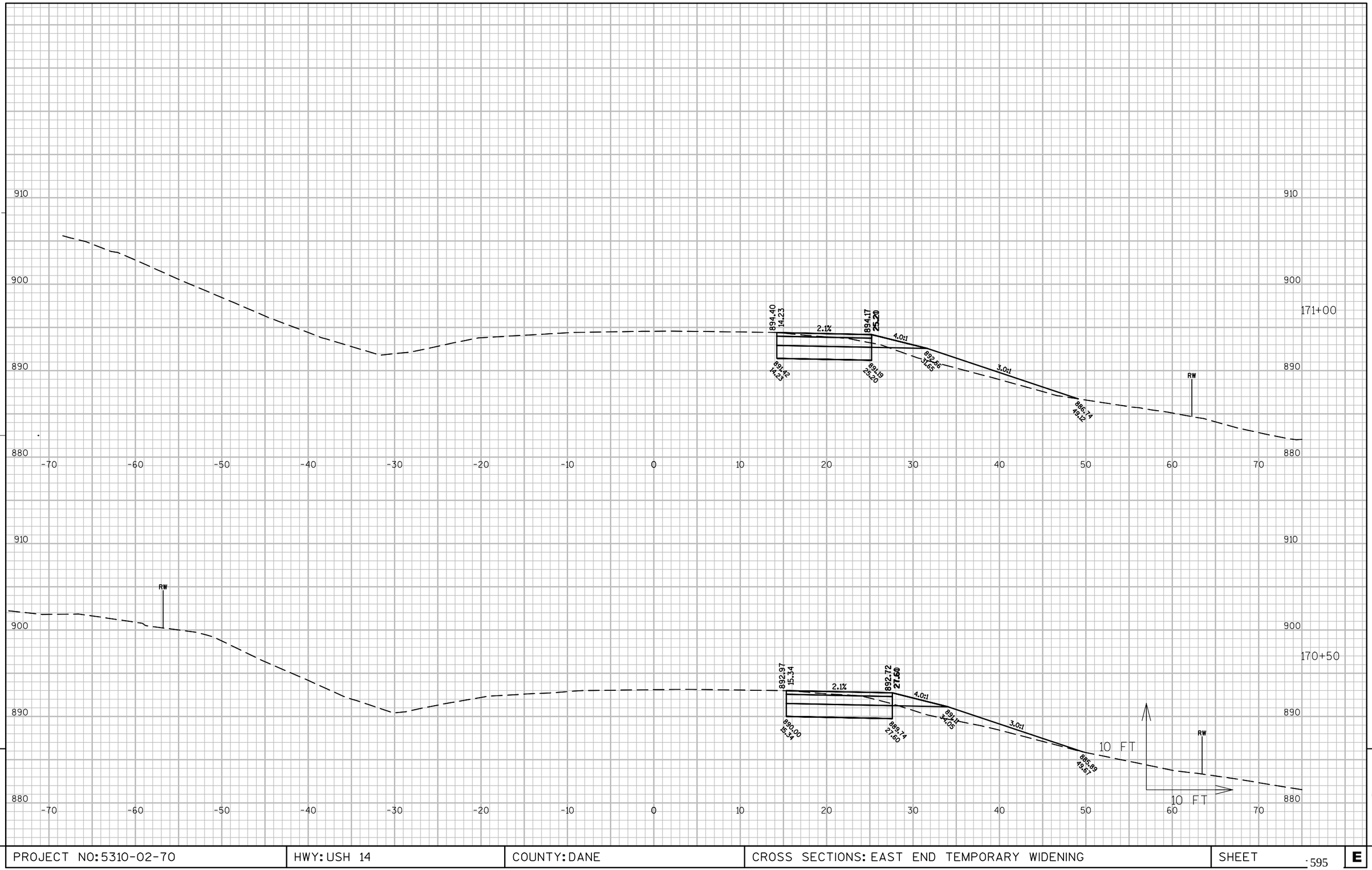
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 593	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090103_XS(EAST END TEMP. WIDENING).DWG PLOT DATE : 8/28/2014 9:10 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



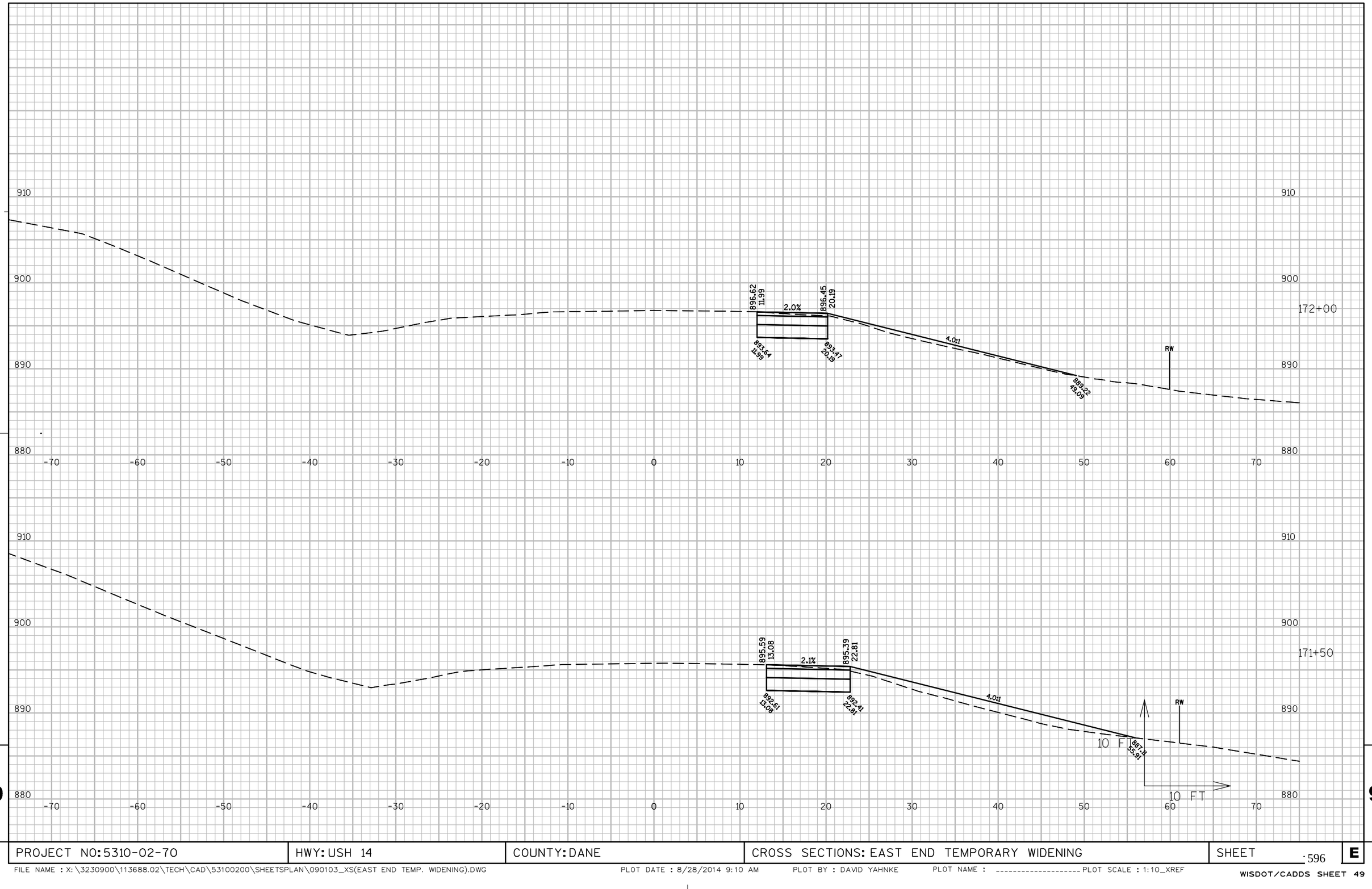
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 594	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 595	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090103_XS(EAST END TEMP. WIDENING).DWG PLOT DATE : 8/28/2014 9:10 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 596	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\SHEETSPLAN\090103_XS(EAST END TEMP. WIDENING).DWG PLOT DATE : 8/28/2014 9:10 AM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

END TEMPORARY WIDENING
STA 172+75

172+75

897.77
12.03
2.0%
897.71
15.00
2.0%
897.49
15.89
894.79
12.03
894.73
15.00
RW

172+50

897.41
12.02
2.0%
897.31
16.80
2.0%
897.08
17.73
894.43
12.02
894.33
16.80
RW
10 FT
10 FT

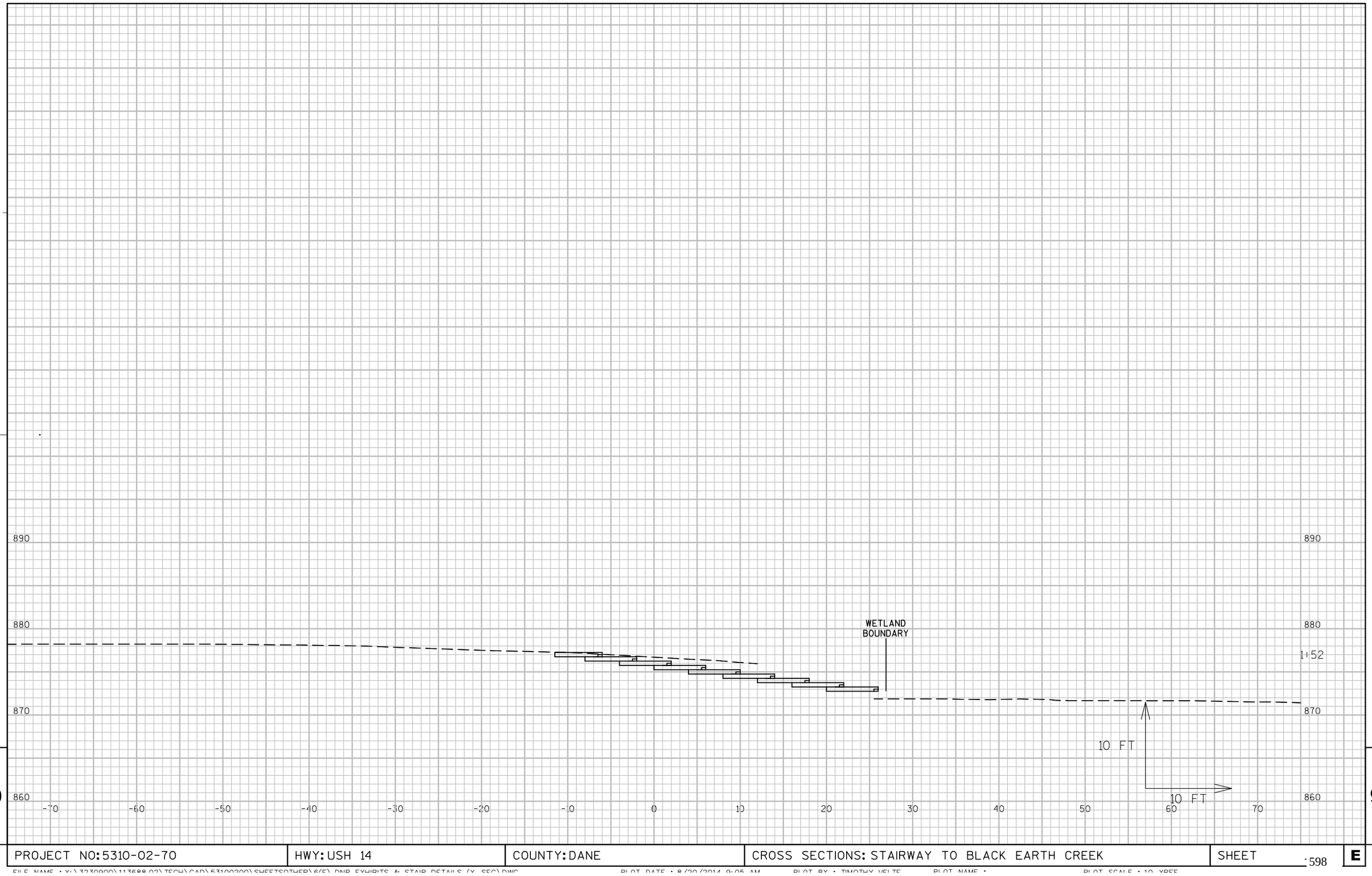
920 910 900 890 880

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

9

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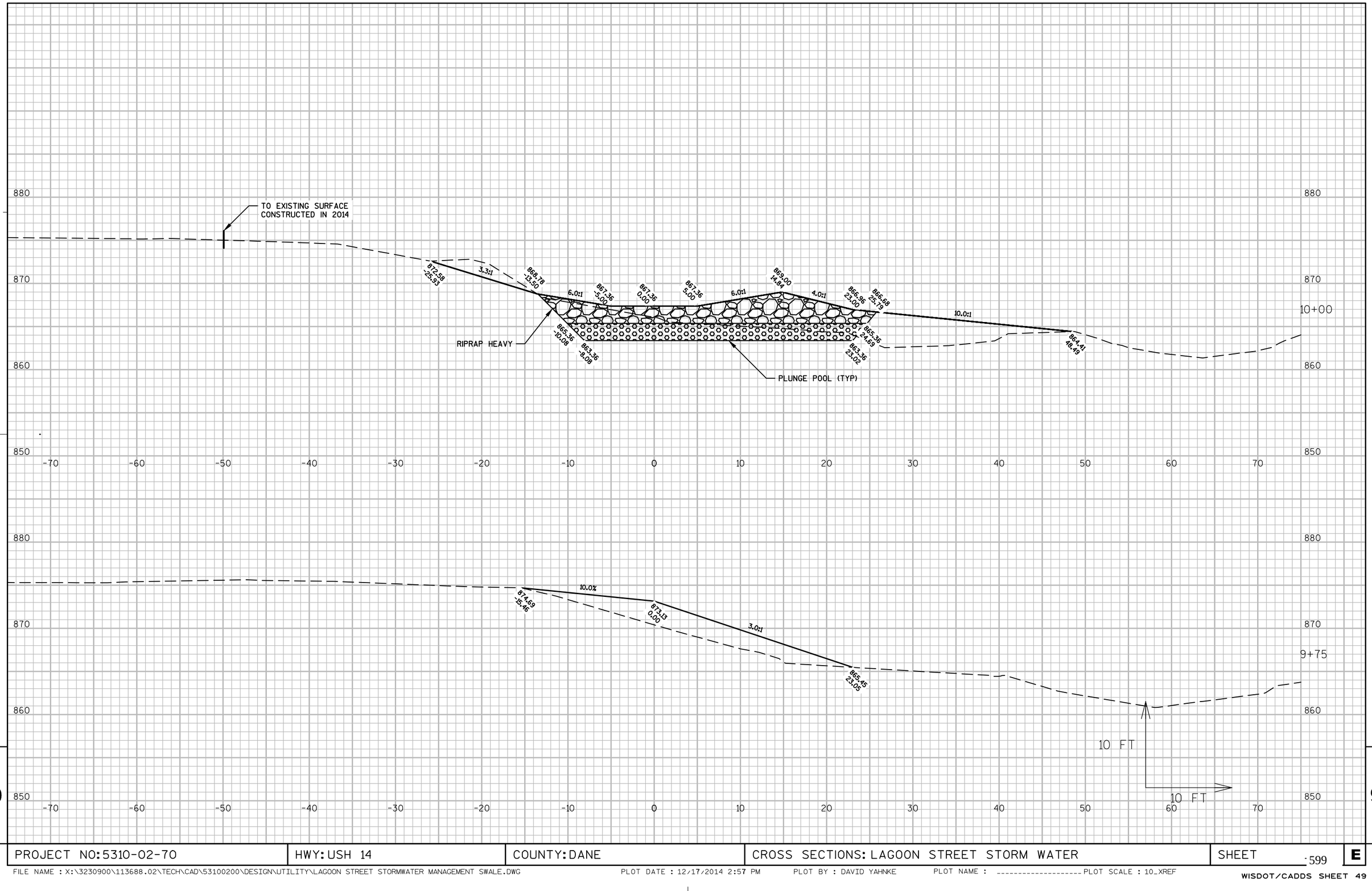
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: EAST END TEMPORARY WIDENING	SHEET 597	E



9

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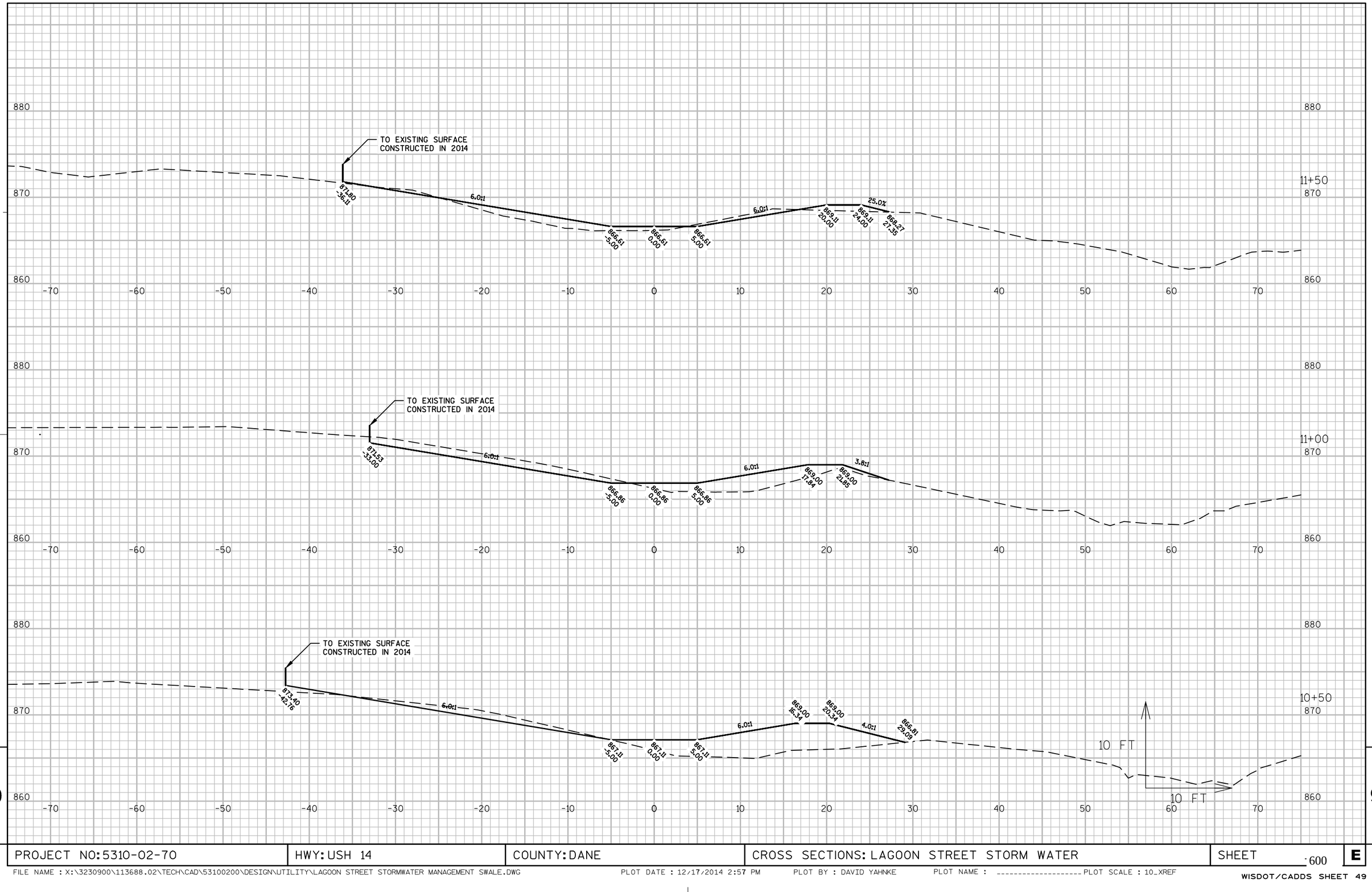
PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: STAIRWAY TO BLACK EARTH CREEK	SHEET 598	E



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET STORM WATER	SHEET 599 E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\DESIGN\UTILITY\LAGOON STREET STORMWATER MANAGEMENT SWALE.DWG PLOT DATE : 12/17/2014 2:57 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 10_XREF

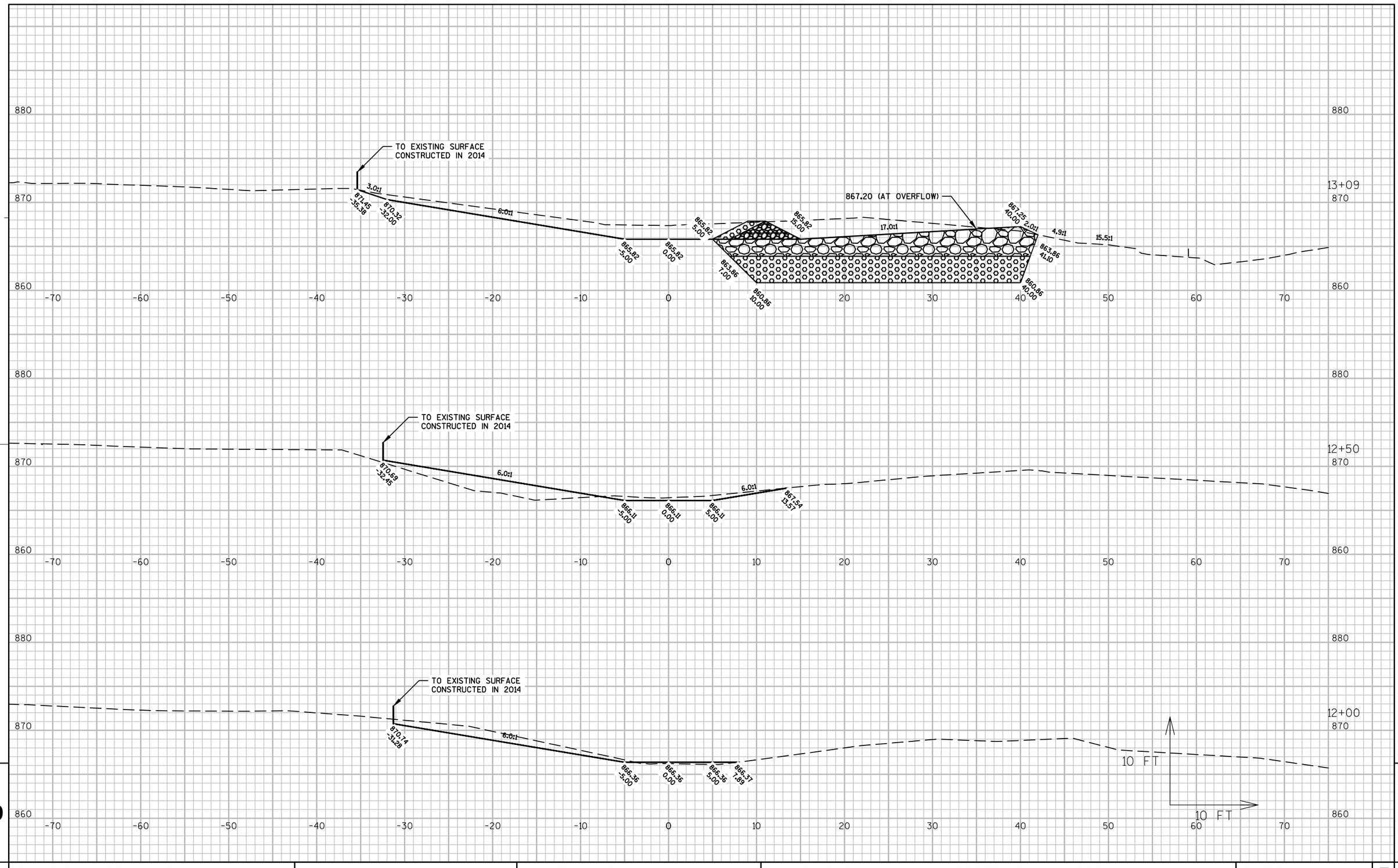
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET STORM WATER	SHEET 600	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\DESIGN\UTILITY\LAGOON STREET STORMWATER MANAGEMENT SWALE.DWG PLOT DATE : 12/17/2014 2:57 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 10_XREF

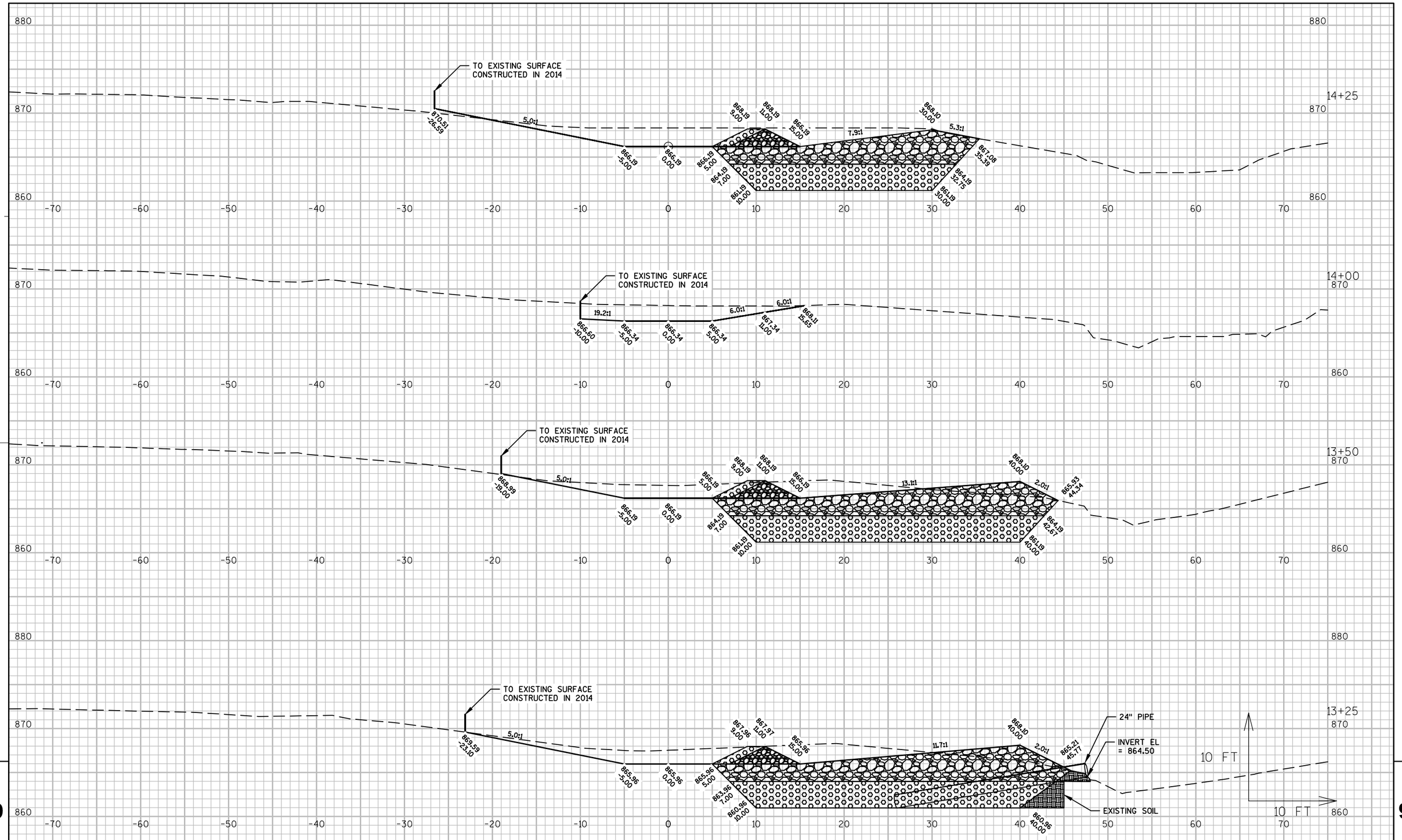
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET STORM WATER	SHEET 601	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\DESIGN\UTILITY\LAGOON STREET STORMWATER MANAGEMENT SWALE.DWG PLOT DATE : 12/17/2014 3:50 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1:10_XREF

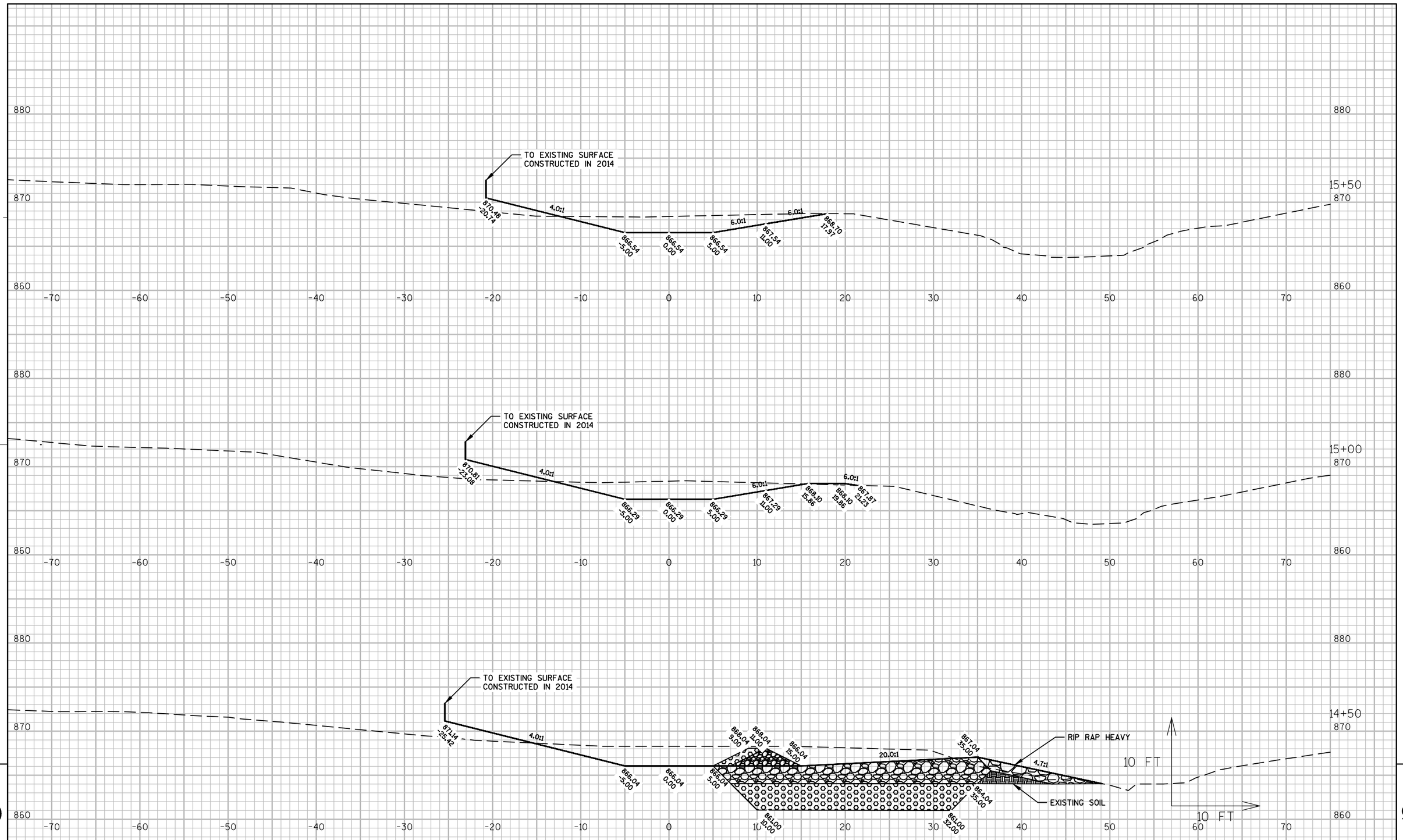
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET STORM WATER	SHEET 602	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\DESIGN\UTILITY\LAGOON STREET STORMWATER MANAGEMENT SWALE.DWG PLOT DATE : 12/17/2014 3:50 PM PLOT BY : DAVID YAHNKE PLOT NAME : _____ PLOT SCALE : 1:10_XREF

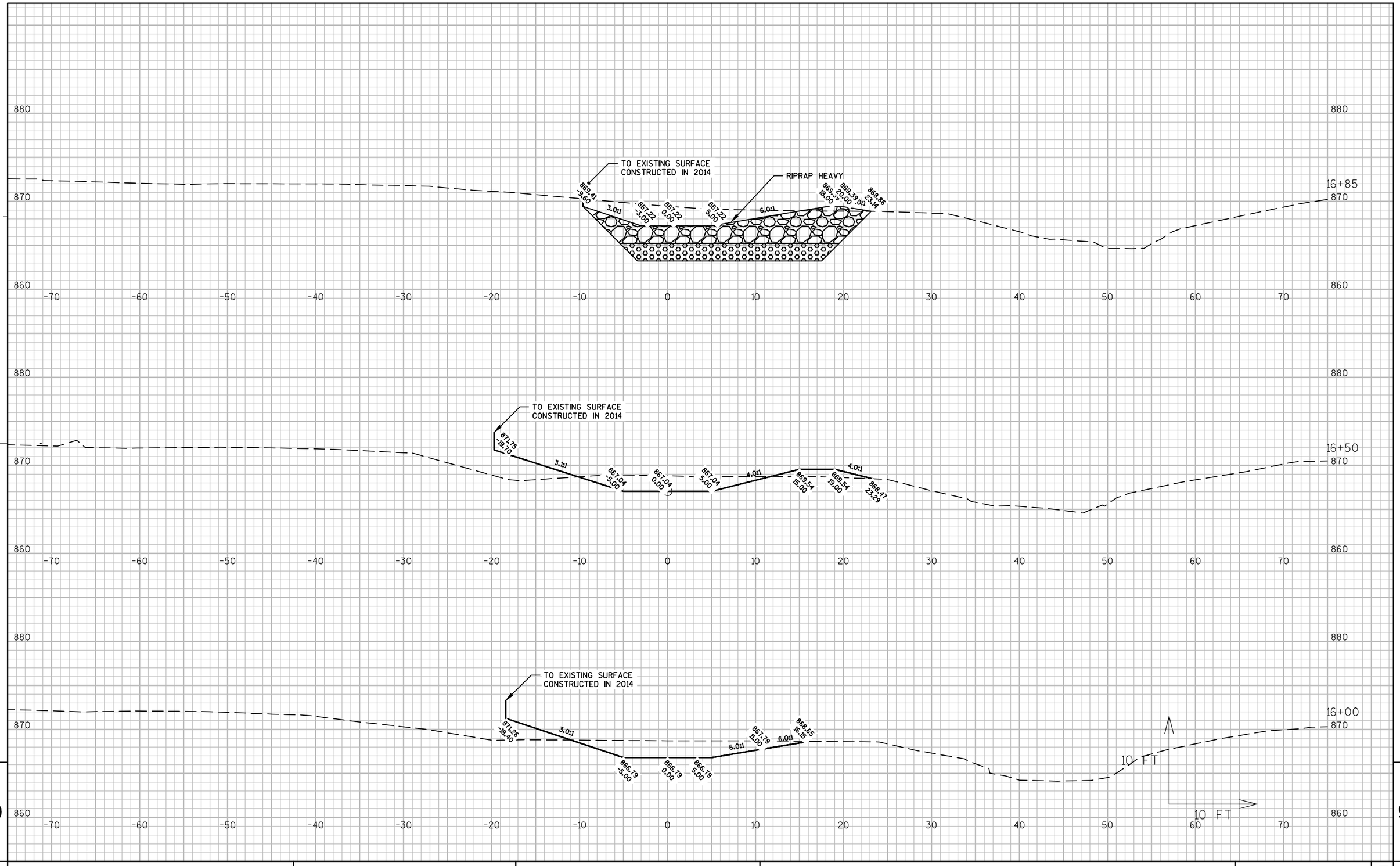
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET STORM WATER	SHEET 603	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\DESIGN\UTILITY\LAGOON STREET STORMWATER MANAGEMENT SWALE.DWG PLOT DATE : 12/17/2014 2:57 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-70	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: LAGOON STREET STORM WATER	SHEET 604	E

FILE NAME : X:\3230900\113688.02\TECH\CAD\53100200\DESIGN\UTILITY\LAGOON STREET STORMWATER MANAGEMENT SWALE.DWG PLOT DATE : 12/17/2014 2:57 PM PLOT BY : DAVID YAHNKE PLOT NAME : ---------- PLOT SCALE : 10_XREF

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAD FEBRUARY 2015

PROJECT ID: 5310-02-73

WITH:

COUNTY: DANE

05

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
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 = 28



DESIGN DESIGNATION

A.A.D.T.	2014	= 12,350
A.A.D.T.	2034	= 17,600
D.H.V.	2034	= 1,760
D.D.		= 60/40
T.		= 7.2%
DESIGN SPEED		= 35 M.P.H.
ESALS		= 1,934,500

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT
WATER MAIN AND SANITARY SEWER REPLACEMENTS

SPRING GREEN - MADISON

CTH KP - WESTVIEW COURT, VILLAGE CROSS PLAINS

USH 14

DANE COUNTY

STATE PROJECT NUMBER
5310-02-73

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5310-02-73	———	—

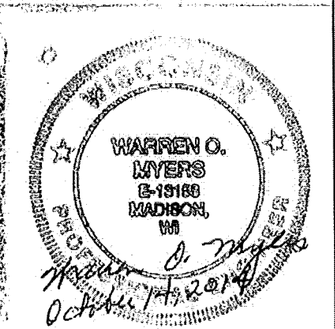
ACCEPTED FOR

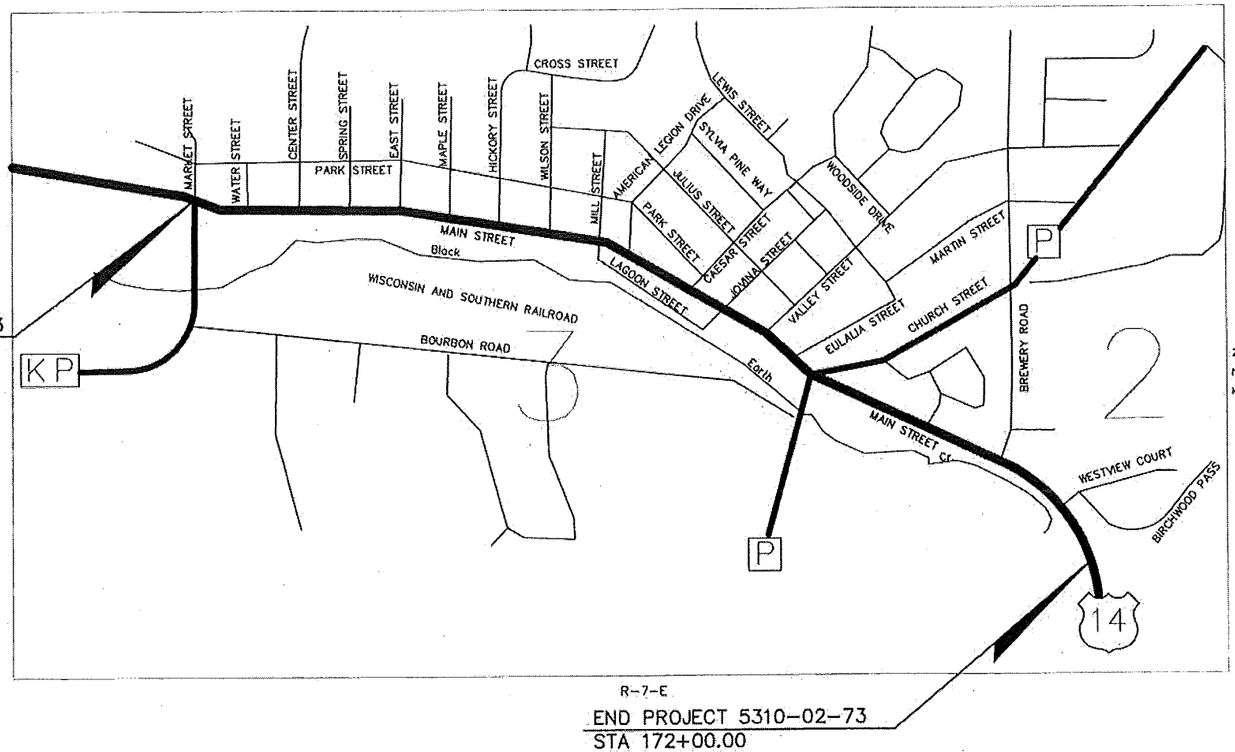
VILLAGE of CROSS FLAINS

10/14/2014 (Date) (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY

TOWN & COUNTRY ENGINEERING, INC.
2912 Marketplace Drive
Suite 103
Madison, WI 53719
(608) 273-3350
www.tcengineers.net





BEGIN PROJECT 5310-02-73
STA 104+78.19
Y= 497,439.45
X= 747,507.36
MATCH EXISTING
SAWCUT REQD

R-7-E

END PROJECT 5310-02-73
STA 172+00.00
MATCH EXISTING
SAWCUT REQD

LAYOUT
SCALE 0 0.1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.271 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY. NAD 83 (2007)

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

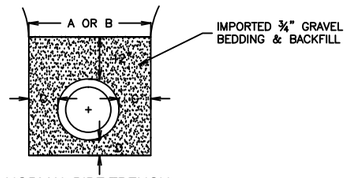
Surveyor	MEAD & HUNT, INC.
Designer	TOWN & COUNTRY ENGINEERING, INC.
Project Manager	LALITHA BALACHANDRAN
Regional Examiner	
Regional Supervisor	WILLIAM STROBEL
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

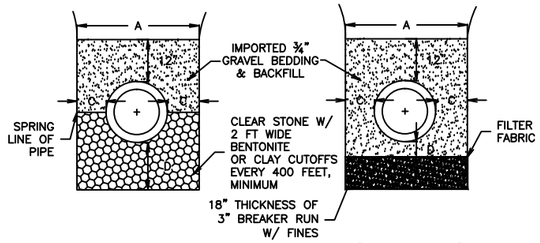
DATE: 11/18/14 William Strobel (Signature)

E

DIMENSIONS:
- A: OUTSIDE DIAMETER OF PIPE PLUS 24" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36". TRENCH SHIELDS NARROWER THAN 4 FEET INSIDE WIDTH WILL NOT BE REQUIRED UNLESS SPECIFICALLY REQUIRED IN THE PROJECT SPECIFICATIONS.
- B: FOR ROCK, OUTSIDE DIAMETER OF PIPE PLUS 18" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36".
- C: MINIMUM – 6"
- D: MINIMUM 4" BELOW BARREL AND 3" BELOW BELL



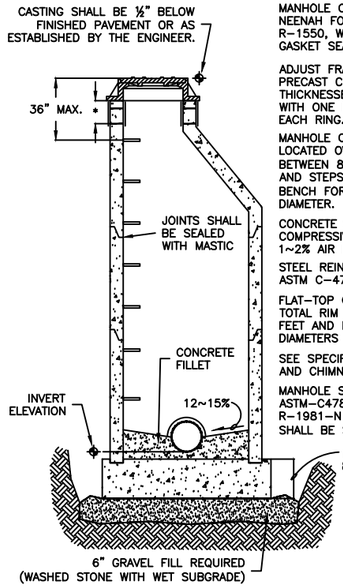
NORMAL PIPE TRENCH



WET TRENCH WITH SUMP DEWATERING

UNSTABLE TRENCH

TRENCH WIDTH AND BEDDING DETAILS
DETAIL 02221–A



MANHOLE CASTING SHALL BE HEAVY DUTY, NEENAH FOUNDRY CO. CATALOG LISTING NO. R–1550, WITH TYPE "B" NON–ROCKING LID, GASKET SEAL AND CONCEALED PICKHOLES.

ADJUST FRAME TO GRADE WITH AT LEAST TWO PRECAST CONCRETE RINGS OF DIFFERENT THICKNESSES. RINGS SHALL BE REINFORCED WITH ONE NO. 3 STEEL BAR CENTERED WITHIN EACH RING.

MANHOLE CASTINGS AND STEPS SHALL BE LOCATED OVER THE EFFLUENT PIPE FOR PIPES BETWEEN 8" AND 18" IN DIAMETER. CASTINGS AND STEPS SHALL BE LOCATED OVER THE BENCH FOR PIPES GREATER THAN 18" IN DIAMETER.

CONCRETE SHALL BE 4000 PSI, 28 DAY COMPRESSIVE STRENGTH, 6.5 BAG MIX WITH 1~2% AIR ENTRAINMENT.

STEEL REINFORCEMENT SHALL CONFORM TO ASTM C–478 STANDARDS.

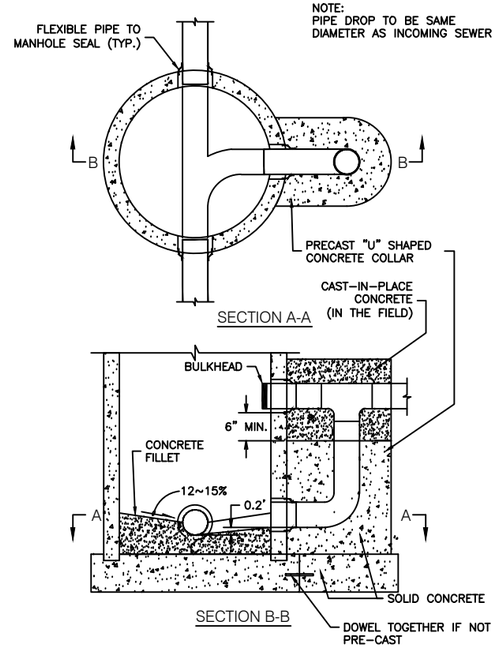
FLAT–TOP COVERS SHALL BE USED WHERE THE TOTAL RIM TO INVERT DEPTH IS LESS THAN 6 FEET AND MAY BE USED FOR MANHOLE DIAMETERS GREATER THAN 5 FEET.

SEE SPECIFICATION NARRATIVE FOR PIPE SEAL AND CHIMNEY SEAL REQUIREMENTS.

MANHOLE STEPS SHALL CONFORM TO ASTM–C478 & SHALL BE NEENAH FOUNDRY CO. R–1981–N OR APPROVED EQUAL. STEPS SHALL BE SPACED 16" ON CENTER.

* A MINIMUM OF 3" TO A MAXIMUM OF 9" OF ADJUSTING RINGS SHALL BE USED TO ADJUST THE MANHOLE CASTING TO THE FINISHED GRADE. ALL RINGS SHALL BE SEALED TOGETHER USING MASTIC AND ALL JOINTS SHALL BE BACK PLASTERED INSIDE AND OUT WITH CEMENT MORTAR.

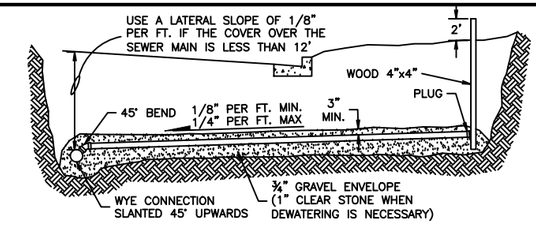
STANDARD MANHOLE DETAIL
DETAIL 02601–A



SECTION A-A

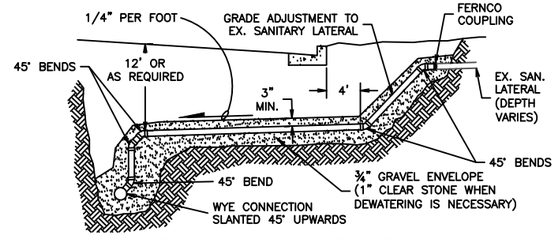
SECTION B-B

DROP MANHOLE ENTRANCE
DETAIL 02601–B



STANDARD INSTALLATION WITHOUT A RISER

NOTES:
1. CONSTRUCT LATERALS IN CONFORMANCE WITH CHAPTER COMM 82 OF THE WISCONSIN ADMINISTRATIVE CODE.
2. LATERAL SLOPE SHALL BE ¼" PER FOOT WHERE SUFFICIENT COVER EXISTS
3. WHERE LATERALS ARE NOT IMMEDIATELY CONNECTED TO BUILDING SEWERS THE ENDS OF THE LATERALS SHALL BE MARKED BY POSITIONING 4"x4" BOARDS VERTICALLY FROM THE ENDS OF THE LATERALS TO AT LEAST 2' ABOVE THE GROUND SURFACE.
4. CONTRACTOR SHALL VERIFY SIZE, DEPTH, AND LOCATION OF EXISTING LATERALS.



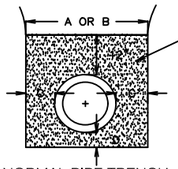
INSTALLATION WITH VERTICAL RISER

SANITARY SEWER LATERAL DETAIL
DETAIL 02722–B

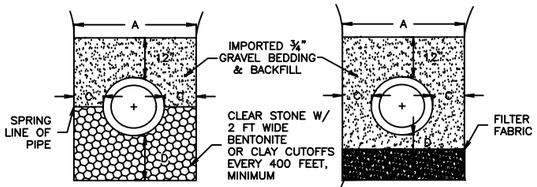
STATION/OFFSET	ADDRESS	MAIN SIZE	INVERT AT MAIN	TOP OF PIPE AT MAIN	INVERT AT PROPERTY LINE	RISER HEIGHT
106+71/38R	1114	18"	850.46	851.96	852.95	0.00
107+71/37R	1118	18"	850.90	852.40	853.22	0.00
107+89/37R	1200	18"	850.96	852.46	856.48	4.02
110+46/37R	1214	18"	851.72	853.22	855.45	2.24
113+51/37R	1314	18"	853.01	854.51	856.13	0.00
115+22/38R	1404	18"	853.69	855.19	856.46	0.00
115+55/38R	1408	18"	853.82	855.32	857.11	0.00
119+82/34R	1516	18"	855.38	856.88	857.95	0.00
120+91/34R	1522	18"	855.85	857.35	860.27	2.92
121+03/34R	1602	18"	855.90	857.40	860.02	2.63
122+14/34R	1606	18"	856.28	857.78	858.76	0.00
122+56/34R	1614	18"	856.43	857.93	862.19	4.27
124+48/34R	1708	18"	857.19	858.69	863.87	5.19
124+96/34R	1712	18"	857.35	858.85	861.71	2.87
126+28/33R	1718	18"	857.81	859.31	862.98	3.68
126+96/32R	1724	18"	858.04	859.54	863.33	3.80
128+83/29R	1812	18"	858.62	860.12	863.25	3.13
131+04/28R	1904	18"	859.25	860.75	865.79	5.04
132+80/25R	1910	18"	859.73	861.23	864.84	3.62
132+99/25R	2002	18"	859.78	861.28	865.97	4.70
133+94/26R	2014	18"	859.98	861.48	866.35	4.88
134+66/26R	2022	18"	860.13	861.63	864.76	3.13
135+80/26R	2034	18"	860.48	861.98	865.33	3.36
136+64/26R	2034	18"	860.66	862.16	868.49	6.34
137+07/26R	2104	18"	860.86	862.36	867.65	5.29
137+99/26R	2110	18"	846.06	862.56	868.18	5.62
140+13/30R	2202	18"	861.62	863.12	867.35	4.24
148+74/43R	2508	15"	864.99	866.24	870.86	4.62

MAIN STREET - SOUTH SIDE RISER HEIGHTS

DIMENSIONS:
- A: OUTSIDE DIAMETER OF PIPE PLUS 24" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36". TRENCH SHIELDS NARROWER THAN 4 FEET INSIDE WIDTH WILL NOT BE REQUIRED UNLESS SPECIFICALLY REQUIRED IN THE PROJECT SPECIFICATIONS.
- B: FOR ROCK, OUTSIDE DIAMETER OF PIPE PLUS 18" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36".
- C: MINIMUM – 6"
- D: MINIMUM 4" BELOW BARREL AND 3" BELOW BELL



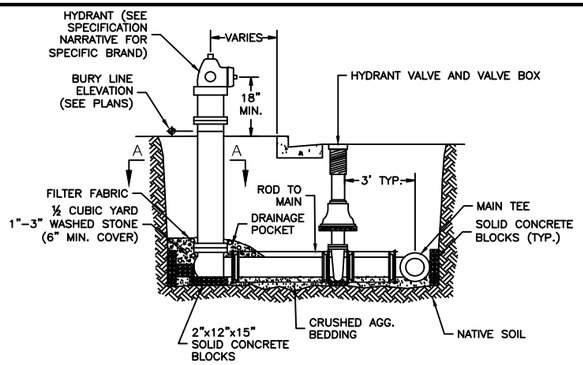
NORMAL PIPE TRENCH

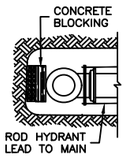


WET TRENCH WITH SUMP DEWATERING

UNSTABLE TRENCH

TRENCH WIDTH AND BEDDING DETAILS
DETAIL 02221–A





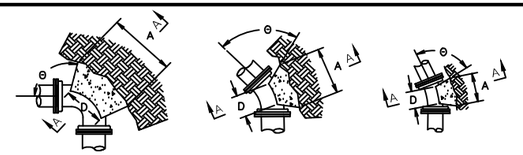
SECTION A-A

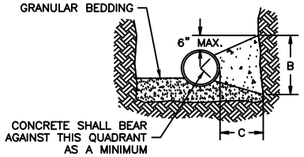
NOTES:
– THE HYDRANT AND HYDRANT VALVE SHALL BE CONNECTED TO THE MAIN TEE BY RODDING IN ACCORDANCE WITH DETAIL 02701–C, OR BY MEGA LUGS.

– THE DISTANCE BETWEEN THE HYDRANT AND THE MAIN WILL VARY. OFFSET DISTANCES ARE MARKED ON THE PLANS.

–WHERE THE HYDRANT IS INSTALLED AT THE HIGH POINT OF THE WATER MAIN ON MAINS 10 INCHES IN DIAMETER AND LARGER THE CONTRACTOR SHALL TIP THE MAIN TEE UPWARDS 45 DEGREES AND USE A 45 DEGREE FITTING TO ALLOW AIR TO ESCAPE FROM THE MAIN.

STANDARD HYDRANT SETTING
DETAIL NO. 02701–A





SECTION A-A

DIMENSION "D" SHALL BE AS LARGE AS POSSIBLE, BUT THE CONCRETE SHALL NOT INTERFERE WITH THE MECHANICAL JOINTS.

DIMENSION "C" SHALL BE AT LEAST 6 INCHES, AND LARGE ENOUGH TO MAKE THE "Θ" ANGLE EQUAL TO OR GREATER THAN 45 DEGREES WITH THE DIMENSION "A" AS SHOWN ON THE TABLE, OR GREATER, AND WITH DIMENSION "D" AS LARGE AS POSSIBLE.

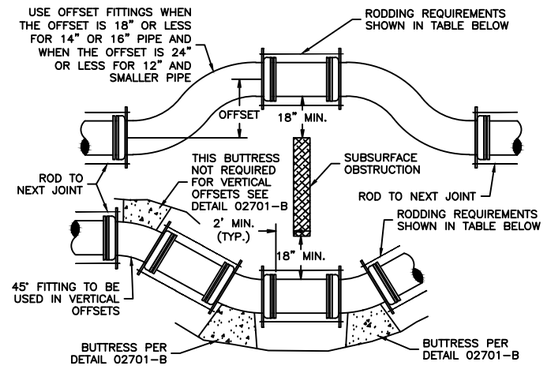
CONCRETE SHALL BE CLASS "CC", SEE SECTION 03301

BUTTRESS DIMENSIONS								
PIPE SIZE *	TEES A	TEES B	22.5° BEND A	22.5° BEND B	45° BEND A	45° BEND B	90° BEND A	90° BEND B
6	1'–3"	1'–0"	1'–0"	1'–0"	1'–0"	1'–0"	1'–4"	1'–2"
8	1'–6"	1'–4"	1'–0"	1'–0"	1'–4"	1'–2"	1'–10"	1'–6"
10/12	2'–3"	2'–0"	1'–4"	1'–4"	1'–10"	1'–10"	2'–8"	2'–3"
14/16	3'–2"	2'–6"	1'–10"	1'–8"	2'–6"	2'–4"	3'–10"	2'–10"
18/20	4'–0"	3'–0"	2'–4"	2'–0"	3'–3"	2'–10"	5'–0"	3'–4"
22/24	5'–3"	3'–4"	2'–10"	2'–4"	4'–0"	3'–3"	6'–4"	3'–10"
30	6'–3"	4'–3"	3'–6"	3'–0"	5'–4"	3'–10"	8'–0"	4'–8"

DIMENSIONS IN THE TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND SOIL RESISTANCE OF 2000 LBS./SQ.FT.

* = FOR TEE THIS WILL BE THE BRANCH PIPE

BUTTRESS DETAILS
DETAIL NO. 02701–B



NOMINAL PIPE SIZE	RODS NO.	RODS DIA.	STRAP SIZE	BOLT DIA.	WASHER SIZE
6	3	¾	½ x 2	¾	½ x 3 x 5
8	4	¾	½ x 2	¾	½ x 3 x 5
10	4	¾	½ x 2½	1	½ x 3 x 5
12	4	¾	½ x 2½	1	½ x 3 x 5
14	4	¾	½ x 2½	1	½ x 3 x 5

ALL DIMENSIONS IN THIS TABLE ARE IN INCHES

NOTES:
– RODS AND WASHERS TO BE ASTM A–575 MERCHANT QUALITY 0.17–0.24 CARBON. NUTS TO BE AMERICAN STANDARD HEAVY, NOT PRESSED.

– TIE RODS, BOLTS, NUTS, BANDS AND WASHERS TO BE FURNISHED AND ASSEMBLED BY THE CONTRACTOR.

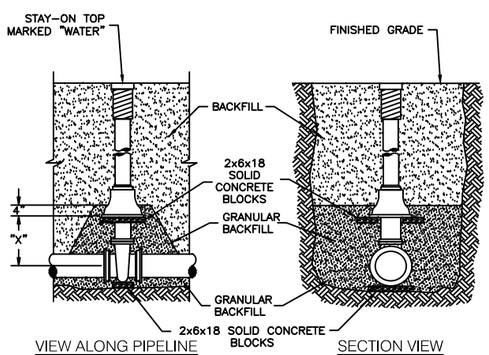
– ALL STEEL MATERIAL TO BE GALVANIZED OR THOROUGHLY COATED WITH ENGINEER APPROVED COATING.

– OFFSET FITTINGS REQUIRE CONTINUOUS RODDING IN ALL POSITIONS.

– VERTICAL OFFSETS SHALL NOT CREATE A HIGH POINT IN THE WATER MAIN. VERTICAL OFFSETS REQUIRE THE SAME RODDING AND BUTTRESSING AS SHOWN ABOVE.

– MEGALUG RESTRAINTS MAY BE USED IN LIEU OF RODDING.

OFFSET AND RODDING DETAILS
DETAIL 02701–C



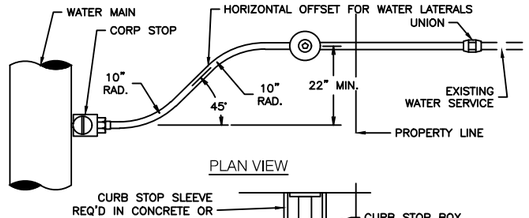
VIEW ALONG PIPELINE

SECTION VIEW

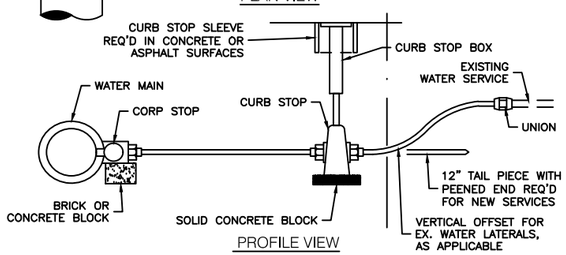
PIPE DIA., INCHES	6	8	10	12	14	16
"X" DIMENSION, INCHES	12	13	17	21	25	30

NOTES:
– VALVES SHALL BE SECURED WITH RODDING OR MEGALUGS TO THE NEAREST "TEE" FITTING OR TO THE FIRST JOINT CONNECTING A FULL SECTION OF WATER MAIN PIPE. SEE RODDING DETAIL 02701–C

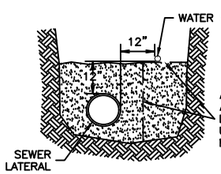
STANDARD VALVE BOX SETTING
DETAIL 02701–D



PLAN VIEW



PROFILE VIEW



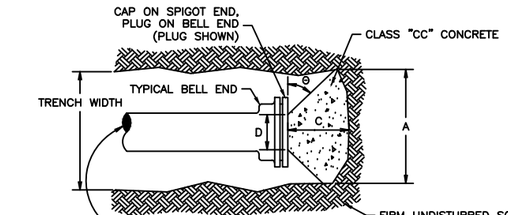
JOINT TRENCH INSTALLATION

NOTES:
– HORIZONTAL AND VERTICAL OFFSETS SHALL BE MADE WITH AN APPROVED PIPE BENDING TOOL. SHARP BENDS OR KINKS IN THE WATER SERVICE ARE NOT ALLOWED.

– VERTICAL OFFSETS SHALL BE MADE ON THE PROPERTY LINE SIDE OF THE CURB STOP.

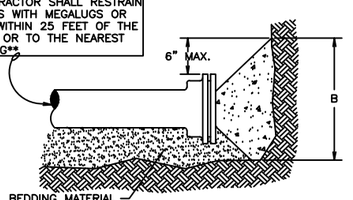
– PLASTIC OR CAST IRON CURB BOX SLEEVES SHALL BE INSTALLED WHERE CURB BOXES ARE INSTALLED IN CONCRETE OR ASPHALT SURFACES.

WATER SERVICE INSTALLATION DETAIL
DETAIL 02701–F



PLAN VIEW

** IN ADDITION TO BUTTRESSING, THE CONTRACTOR SHALL RESTRAIN ALL JOINTS WITH MEGALUGS OR RODDING WITHIN 25 FEET OF THE BUTTRESS OR TO THE NEAREST TEE FITTING**



ELEVATION VIEW

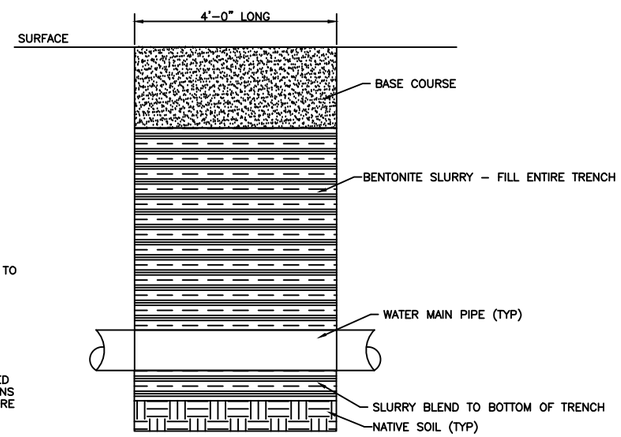
BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'–3"	1'–0"	SEE NOTES ABOVE	SEE NOTES ABOVE
8"	1'–8"	1'–6"		
10"	2'–0"	1'–8"		
12"	2'–5"	1'–10"		
16"	3'–4"	2'–4"		
20"	4'–3"	2'–10"		
24"	5'–2"	3'–4"		
30"	6'–9"	4'–0"		

NOTES:
– DIMENSION "C" SHALL BE LARGE ENOUGH TO MAKE ANGLE Θ EQUAL TO OR GREATER THAN 45°.

– DIMENSION "D" EQUALS APPROX. I.D. OF PIPE, LESS 2 INCHES. CONTRACTOR SHALL PROTECT THE MECH. JOINT BOLTS FROM THE CONCRETE BUTTRESS.

– BUTTRESS DIMENSIONS ARE BASED UPON A SOIL RESISTANCE OF 2 TONS PER SQ. FT. AND A WATER PRESSURE OF 150 P.S.I.

BUTTRESS DETAIL FOR DEAD ENDS
DETAIL 02701–H



CLAY CUT-OFF TRENCH

PROJECT NO: 5310–02–73	HWY: USH 14	COUNTY: DANE	CONSTRUCTION DETAILS – WATER MAIN	SHEET 3	E

BENCH MARKS

NO.	STATION/OFFSET	DESCRIPTION	ELEV.
1	103+66.73, 27.15' LT	PK NAIL IN PARKING LOT	862.08
2	107+35.29, 23.20' LT	PK NAIL IN BACK OF CURB	863.32

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

MARKET STREET
MG&E ELECTRIC
EX. SANITARY MH A-4
104+00
CROSS PLAINS UTILITIES
EX. SANITARY MH A-8 (REPLACE CASTING)
KALSCHEUR IMPLEMENT COMPANY, INC. 1113 MAIN ST
NEW STORM SEWER
EX. SANITARY MH A-9
NEW SANITARY MH A-9
105+00
NEW 12" VALVE CONNECT TO EX. 12" MAIN
106+00
CLAY CUTOFF
FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 105+50 TO STA. 111+00
MID-PLAINS TELEPHONE COMPANY
CTH KP
KALSCHEUR IMPLEMENT COMPANY, INC. 1112 MAIN ST
SANDLEWOOD PROPERTIES, LLC 1114 MAIN ST
JPH PROPERTIES, LLC 1118 MAIN ST
107+00
NEW SANITARY MH A-10
CLAY CUTOFF
WATER STREET
STATE BANK OF CROSS PLAINS 1201 MAIN ST
FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS
PLUG & BLOCK WATER MAIN
NEW 12"X8" TEE
NEW 8" VALVE
NEW 12" VALVE (2-REQ'D)
MG&E GAS
NEW HYDRANT, VALVE, AND TEE
CAUTION
EX. SANITARY MH A-10
108+00
8" LATERAL
CAP
CAP
MG&E ELECTRIC
JAMES AND JUDITH NONN LIVING TRUST 1200 MAIN ST
109+00
2"
CROSS PLAINS INVESTORS, LLC 1201 MAIN ST
PATRICIA A. SCHROEDER 1206 MAIN ST
110+00
MATCH LINE STA. 110+00
N

EX. SANITARY MH A-8
RIM = 862.68
E. INV. = 849.88
W. INV. = 849.80
NEW W. INV. = 849.88

EX. SANITARY MH A-4
RIM = 862.59
E. INV. = 849.59
N. INV. = 850.58
S. INV. = 849.52

NEW SANITARY MH A-9
RIM = 862.45
E. INV. = 850.18
NW. INV. = 850.10

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

EX. SANITARY MH A-9
RIM = 862.51
E. INV. = 854.81
NE. INV. = 857.67
W. INV. = 854.80

7' MIN. COVER OVER MAIN

NEW SANITARY MH A-10
RIM = 863.15
E. INV. = 850.87
N. INV. = 855.40
S. INV. = 855.59
S. INV. = 850.97
N. INV. = 850.97
W. INV. = 850.77

EX. SANITARY MH A-10
RIM = 863.52
E. INV. = 855.46
N. INV. = 855.47
W. INV. = 855.30
S. INV. = 855.54

NEW 12" D.I. WATER MAIN
EX. 10" SANITARY SEWER
EX. 8" SANITARY SEWER
EX. 10" SANITARY SEWER
64 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%
168 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%
330 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%
EX. 18" SANITARY SEWER

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 4	E

FILE NAME : USH 14 MAIN.dwg | PLOT DATE : 10/14/2014 | PLOT BY : SVP | PLOT NAME : | PLOT SCALE : 1"=40' HOR. 1"=4' VERT.

BENCH MARKS			
NO.	STATION/OFFSET	DESCRIPTION	ELEV.
3	110+62.50, 22.48' LT	PK NAIL IN PARKING LOT	864.57
4	114+92.28, 21.44' LT	PK NAIL IN CURB	865.82

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

MATCH LINE STA. 110+00

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 105+50 TO STA. 111+00

NEW 12"X4" TEE
NEW 4" VALVE

CENTER STREET

KEVIN J. ENGELIEN AND JENNIFER L. FOERSTER-ENGELIENA
1303 MAIN ST

ZANDER INSURANCE AGENCY, INC.
1307 MAIN ST

JOSEPH M. PARRELL AND DONNA M. PARRELL
1311 MAIN ST

RAYMOND M. AND TERESA L. BUECHNER
1315 MAIN ST

SPRING STREET

JOHN AND TRACY BURANDT
1401 MAIN ST

WILLIAM A. AND CHRISTINA L. CRUZEN
1405 MAIN ST

MATCH LINE STA. 116+00

8"

NEW HYDRANT, VALVE, AND TEE

VILLAGE OF CROSS PLAINS UTILITIES

NEW STORM SEWER

MG&E GAS CAUTION

NEW HYDRANT, VALVE, AND TEE

110+00 111+00 112+00 113+00 114+00 115+00 116+00

CLAY CUTOFF

CLAY CUTOFFS

NEW SANITARY MH A-45

EX. SANITARY MH A-45

NEW 12" VALVE

EX. SANITARY MH A-46

NEW 12" VALVE

NEW SANITARY MH A-46

ZANDER'S CREAMERY, INC.
1214 MAIN ST

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS

CAP WATER MAIN

CAP

MG&E ELECTRIC

VILLAGE OF CROSS PLAINS UTILITIES

JOH-MAY ENTERPRISES, LLC
1300 MAIN ST

JOH-MAY ENTERPRISES, LLC
1306 MAIN ST

Z BOYS PROPERTIES, LLC
1310 MAIN ST

HEIDI RICHARDSON (50%)
ANDREW AMACHER TRUST (25%)
BRYAN WIRTS TRUST (25%)
1314 MAIN ST

MICHAEL K. AND HEIDI M. CUNNINGHAM
1404 MAIN ST

CAP

CAP

CHRISTOPHER L. AND CATHERINE M. LEWIS
1408 MAIN ST

NEW SANITARY MH A-45
RIM = 864.18
E. INV. = 852.12
N. INV. = 856.48
W. INV. = 852.02
N. INV. = 852.22

EX. SANITARY MH A-45
RIM = 864.62
E. INV. = 856.42
N. INV. = 856.60
W. INV. = 856.34

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

7' MIN. COVER OVER MAIN

NEW SANITARY MH A-46
RIM = 865.49
E. INV. = 853.39
W. INV. = 853.29

EX. SANITARY MH A-46
RIM = 865.86
E. INV. = 857.52
N. INV. = 857.69(STUB)
W. INV. = 857.49

INSULATE WATER MAIN AT STORM SEWER CROSSING

INSTALL HYDRANT TEE AT HIGH POINT IN MAIN

EX. 8" SANITARY SEWER

NEW 12" D.I. WATER MAIN

EX. 8" SANITARY SEWER

EX. 8" SANITARY SEWER

334 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%

322 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%

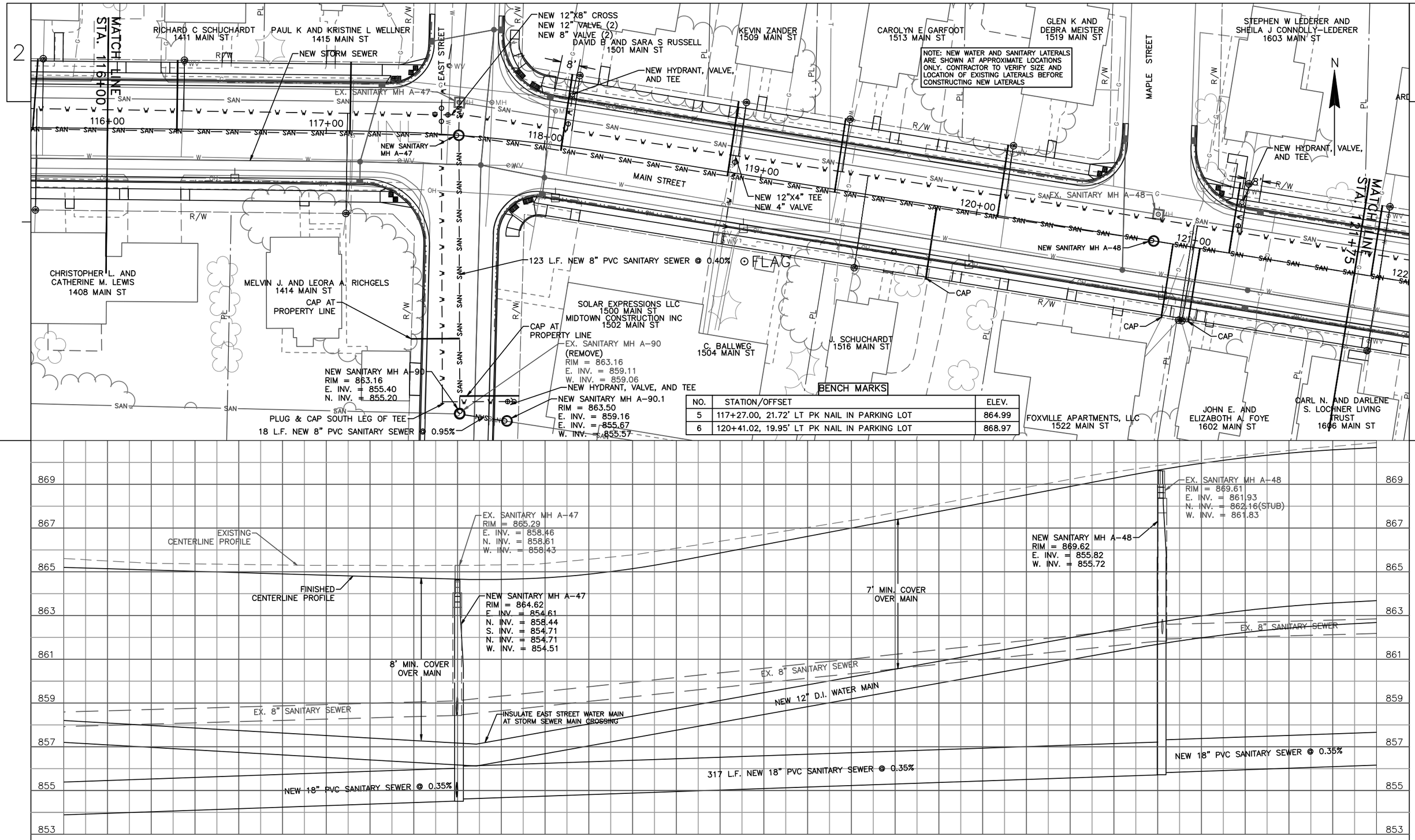
866 864 862 860 858 856 854 852 850

110+00 111+00 112+00 113+00 114+00 115+00 116+00

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 5 E

FILE NAME : USH 14 MAIN.dwg PLOT DATE : 10/14/2014 PLOT BY : SVP PLOT NAME : PLOT SCALE : 1"=40' HOR. 1"=4' VERT.

WISDOT/CADDS SHEET 40



PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 6 E

FILE NAME : USH 14 MAIN.dwg | PLOT DATE : 10/14/2014 | PLOT BY : SVP | PLOT NAME : | PLOT SCALE : 1"=40' HOR. 1"=4' VERT. | WISDOT/CADDS SHEET 40

MATCH LINE STA. 121+75

SANDRA M. FAUST AND WAYNE L. BUSCHMANN 1613 MAIN ST

WAYNE R. ESSER 1621 MAIN ST

HICKORY STREET

ERIC A AND MARAH M ODGERS 1703 MAIN ST

RYAN R. SINGH, AMY S. SINGH, BIBHUTI SINGH 1709 MAIN ST

THOMAS D AND JENNIFER E. WANKERL 1715 MAIN ST

THE LANES ENTERPRISES, LLC 1721 MAIN ST

N. AND DARLENE LOCHNER LIVING TRUST 1606 MAIN ST

JERID SCOTT 1614 MAIN ST

JOHN W AND YVONNE L. YRIOS 1708 MAIN ST

LEIF K.AND REBEKAH R. HANSEN 1712 MAIN ST

KEVIN T AND CAROLYN A SAILING 1718 MAIN ST

VILLAGE OF CROSS PLAINS

WILSON STREET

LAGOON STREET

MATCH LINE STA. 127+75

NEW STORM SEWER

NEW HYDRANT, VALVE, AND TEE

EX. SANITARY MH A-49

NEW SANITARY MH A-49

NEW SERVICE

EX. SANITARY MH A-50

NEW SANITARY MH A-50

CAP

ASPH

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

BENCH MARKS

STATION/OFFSET	DESCRIPTION	ELEV.
123+63.43, 19.94' LT	PK NAIL IN CURB	871.66
126+76.38, 21.61' LT	PK NAIL IN CURB	873.60

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

NEW SANITARY MH A-49
RIM = 871.82
E. INV. = 857.04
W. INV. = 856.94

EX. SANITARY MH A-49
RIM = 871.82
E. INV. = 862.82
N. INV. = 863.02 (STUB)
W. INV. = 862.75

EX. SANITARY MH A-50
RIM = 873.69
E. INV. = 863.86
N. INV. = 863.91 (STUB)
W. INV. = 863.83

7.5' MIN. COVER OVER MAIN

NEW SANITARY MH A-50
RIM = 873.50
E. INV. = 858.22
W. INV. = 858.12

NEW 12" D.I. WATER MAIN

EX. 8" SANITARY SEWER

EX. 8" SANITARY SEWER

319 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%

314 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%

872 870 868 866 864 862 860 858 856

122+00 123+00 124+00 125+00 126+00 127+00

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 7	E

FILE NAME : USH 14 MAIN.dwg | PLOT DATE : 10/14/2014 | PLOT BY : SVP | PLOT NAME : | PLOT SCALE : 1"=40' HOR. 1"=4' VERT.

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

MATCH LINE STA. 127+75

WILSON STREET

MILL STREET

LAGOON STREET

KIMBERLY M. MAAHS
1809 MAIN ST

1821 MAIN STREET, LLC
1821 MAIN ST

JOYCE BLAIR
1903 MAIN ST

DALE T. BERTRAM
AND
GAIL E. BERTRAM
1909 MAIN ST

KEVIN T AND
CAROLYN A SAILING
1718 MAIN ST

VILLAGE OF CROSS PLAINS

MAIN STREET CENTER, LLC
1812 MAIN ST

KEMK LLC
1904 MAIN ST

NEW HYDRANT, VALVE, AND TEE

NEW STORM SEWER

NEW WATER AND SEWER LATERAL (CAP)

NEW 12"X8" CROSS
NEW 12" VALVE (2)
NEW 8" VALVE
NEW 8"X6" REDUCER

EX. SANITARY MH A-50

NEW SANITARY MH A-50

EX. SANITARY MH A-51

NEW SANITARY MH A-51

8" LATERAL

NEW SERVICE

CAP

ASPH

NEW HYDRANT AND VALVE

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 131+75 TO STA. 133+50

126+00 127+00 128+00 129+00 130+00 131+00 132+00

BENCH MARKS			
NO.	STATION, OFFSET	DESCRIPTION	ELEV.
8	126+76.38, 21.61' LT	PK NAIL IN CURB	873.60
9	130+05.31, 26.60' LT	PK NAIL IN CURB	875.61

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

EX. SANITARY MH A-50
RIM = 873.69
E. INV. = 863.86
N. INV. = 863.91(STUB)
W. INV. = 863.83

NEW SANITARY MH A-50
RIM = 873.50
E. INV. = 858.22
W. INV. = 858.12

7.5' MIN. COVER OVER MAIN

7' MIN. COVER OVER MAIN

EX. SANITARY MH A-51
RIM = 875.78
SE. INV. = 864.85
N. INV. = 867.41
W. INV. = 864.83

NEW SANITARY MH A-51
RIM = 875.71
SE. INV. = 859.18
N. INV. = 866.87
N. INV. = 859.28
W. INV. = 859.08

NEW 12" D.I. WATER MAIN

EX. 8" SANITARY SEWER

EX. 8" SANITARY SEWER

314 L.F. NEW 18" PVC SANITARY SEWER @ 0.35%

343 L.F. NEW 18" PVC SANITARY SEWER @ 0.25%

191 L.F. NEW 18" PVC SANITARY SEWER @ 0.22%

876 874 872 870 868 866 864 862 860 858

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 8	E

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

MATCH LINE STA. 132+00

MATCH LINE STA. 138+00

AMERICAN LEGION DRIVE

J. FEELY
2100 AMERICAN LEGION DRIVE

MICHAEL W. SCHUTZ AND BARBARA J. SCHUTZ AND RON BRUNNER
2009 MAIN ST

MICHAEL W. SCHUTZ AND RONALD C. BRUNNER
2017 MAIN STREET

BLACK CREEK PROPERTIES, LLC
2023 MAIN ST

2031 MAIN ST

L. STATZ & T. MILLER
2039 MAIN ST

SCHLUETER PROPERTIES, LLC
2107 MAIN ST

B. HOLDINGS LLC
2002 MAIN ST

MAIN STREET CENTER LLC
2014 MAIN ST

INVESTMENT CO
SISTERS DRY CLEANER
CROSSROADS COFFEE HOUSE
2034 MAIN ST

MAIN STREET SQUARE LLC

2034 MAIN, LLC
2034 MAIN ST

K. RANSOM
2104 MAIN ST

CAESAR STREET

NEW HYDRANT, VALVE, AND TEE

NEW STORM SEWER

CLAY CUTOFF

NEW WATER AND SEWER LATERAL (CAP)

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS ALL OF CAESAR STREET

NEW 12"X8" TEE
NEW 12" VALVE (2)
NEW 8" VALVE

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 136+75 TO STA. 139+00

NEW HYDRANT, VALVE, AND TEE

CLAY CUTOFF

CLAY CUTOFF

NEW STORM SEWER

EX. SANITARY MH A-73

NEW SANITARY MH A-75

NEW SANITARY MH A-74

EX. SANITARY MH A-74

EX. SANITARY MH A-75

NEW SANITARY MH A-75

CAP

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 131+75 TO STA. 133+50

BENCH MARKS

NO.	STATION, OFFSET	DESCRIPTION	ELEV.
10	132+17.57 20.64' LT	PK NAIL IN CURB	877.26'
11	136+70.51 20.43' LT	PK NAIL IN CURB	879.37'

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

NEW SANITARY MH A-73
RIM = 877.50
SE. INV. = 859.70
NW. INV. = 859.60

EX. SANITARY MH A-73
RIM = 877.43
SE. INV. = 865.64
NE. INV. = 866.55
NW. INV. = 865.58(CAPPED)

NEW SANITARY MH A-74
RIM = 878.54
SE. INV. = 860.24
NW. INV. = 860.14

EX. SANITARY MH A-74
RIM = 878.40
SE. INV. = 866.19
NW. INV. = 866.14

NEW SANITARY MH A-75
RIM = 879.04
SE. INV. = 860.80
NE. INV. = 869.66
NW. INV. = 860.70

EX. SANITARY MH A-75
RIM = 879.15
SE. INV. = 866.90
NE. INV. = 870.20
NW. INV. = 866.73

8' MIN. COVER OVER MAIN

INSTALL HIGH POINT IN MAIN AT TEE

NEW 12" D.I. WATER MAIN

EX. 8" SANITARY SEWER

EX. 8" SANITARY SEWER

200 L.F. NEW 18" PVC SANITARY SEWER @ 0.22%

211 L.F. NEW 18" PVC SANITARY SEWER @ 0.22%

290 L.F. NEW 18" PVC SANITARY SEWER @ 0.22%

878 876 874 872 870 868 866 864 862 860

132+00 133+00 134+00 135+00 136+00 137+00 138+00

PROJECT NO: 5310-02-73	HWY:	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 9	E

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

MATCH LINE STA. 138+00

SCHLUETER PROPERTIES, LLC 2107 MAIN ST

CANOPY

CLAY CUTOFF
NEW STORM SEWER

JOVINA STREET

RUSSELL A. DOMMERSHAUSEN 2205 MAIN ST

M. BROSAMLE 2215 MAIN ST

WEAVER-GRUBER PARTNERSHIP 2223 MAIN ST

J. MORETTI 2305 MAIN ST

NEW 12"X8" TEE
NEW 12" VALVE (2)
NEW 8" VALVE

NEW HYDRANT, VALVE, AND TEE

VALLEY STREET

MATCH LINE STA. 144+00

USH 14

EX. SANITARY MH A-83
NEW SANITARY MH A-83

EX. SANITARY MH A-86
NEW SANITARY MH A-86

EX. SANITARY MH C-52
EX. SANITARY MH F-1
NEW SANITARY MH C-52
NEW SANITARY MH F-2

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 136+75 TO STA. 139+00

ICE AGE TRAIL ALLIANCE 2110 MAIN ST

LAGOON STREET

KALSCHEUR TR. PAUL & PATRICIA 2202 MAIN ST

NEW STORM SEWER

EX. SANITARY MH C-51 (REMOVE)
RIM = 874.28
NE. INV. = 866.72
SW. INV. = 866.70

KALSCHEUR TR. PAUL & PATRICIA 2222 MAIN ST

BENCH MARKS

NO.	STATION, OFFSET	DESCRIPTION	ELEV.
12	139+29.96, 20.88', LT	PK NAIL IN BACK OF CURB	877.38
13	142+31.01, 31.00, LT	PK NAIL IN PARKING LOT	875.50

EX. SANITARY MH A-83
RIM = 876.60
SE. INV. = 867.76
NE. INV. = 870.94
NW. INV. = 867.73

NEW SANITARY MH A-83
RIM = 876.70
SE. INV. = 861.54
NE. INV. = 870.23
NE. INV. = 861.64
NW. INV. = 861.44

7.5' MIN. COVER OVER MAIN

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

EX. SANITARY MH A-86
RIM = 874.90
NW. INV. = 868.66

NEW SANITARY MH A-86
RIM = 874.65
SE. INV. = 862.25
NE. INV. = 868.14
NE. INV. = 862.35
NW. INV. = 862.15

NEW SANITARY MH C-52
RIM = 874.74
SE. INV. = 862.53
SW. INV. = 862.53
SW. INV. = 866.80
NW. INV. = 862.27

NEW SANITARY MH F-2
RIM = 875.73
SE. INV. = 862.85
NW. INV. = 862.75

EX. SANITARY MH C-52
RIM = 874.85
W. INV. = 866.98 (STUB)
SE. INV. = 866.99
NE. INV. = 868.27
SW. INV. = 866.77

EX. SANITARY MH F-1
RIM = 874.98
SE. INV. = 867.48
SE. INV. = 867.43
NW. INV. = 867.38

NEW 12" D.I. WATER MAIN

EX. 8" SANITARY SEWER

EX. 8" SANITARY SEWER

EX. 12" SANITARY SEWER

11 L.F. NEW 18" PVC SANITARY SEWER @ 0.22%

100 L.F. NEW 15" PVC SANITARY SEWER @ 0.22%

281 L.F. NEW 18" PVC SANITARY SEWER @ 0.22%

290 L.F. NEW 18" PVC SANITARY SEWER @ 0.22%

877 875 873 871 869 867 865 863 861

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

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 10	E

FILE NAME : USH 14 MAIN.dwg PLOT DATE : 10/14/2014 PLOT BY : SVP PLOT NAME : PLOT SCALE : 1"=40' HOR. 1"=4' VERT.

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

WAGNER
2201 EULALIA ST

COTTAGE FLORAL
2204 EULALIA ST

CULVER'S
2523 MAIN ST

KWIK TRIP
2508 MAIN ST

EULALIA STREET

CHURCH STREET

MATCH LINE
STA. 144+00

MATCH LINE
STA. 150+00

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS ALL OF EULALIA STREET

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS ALL OF CHURCH STREET

CLAY CUTOFF

NEW 12"X8" TEE
NEW 12" VALVE (2)
NEW 8" VALVE

NEW HYDRANT, VALVE, AND TEE

NEW WATER AND SEWER LATERALS (CAP)

NEW HYDRANT, VALVE, AND TEE

EX. SANITARY MH F-2

EX. SANITARY MH F-3

EX. SANITARY MH F-4

EX. SANITARY MH F-13

EX. SANITARY MH F-22

EX. SANITARY MH F-25

CLAY CUTOFF AT END OF CASING

NEW SANITARY MH F-4

CLAY CUTOFF

NEW SANITARY MH F-13

CLAY CUTOFF

NEW 12" TEE
NEW 12" VALVE (3)

CLAY CUTOFF

NEW SANITARY MH F-25

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 144+00 TO STA. 151+75

NEW STORM SEWER

NOTE: THIS SEWER MUST STAY LIVE UNTIL THE NEW SANITARY SEWER IS COMPLETE THROUGH MH F-28

PAUL L. KALSCHEUR AND PATRICIA C. KALSCHEUR – TRUSTEES OF THE PAUL AND PATRICIA KALSCHEUR

63.00°

15+00.1°

2"

R/W

BENCH MARKS			
NO.	STATION, OFFSET	DESCRIPTION	ELEV.
15	145+84.47, 6.82', RT	PK NAIL IN PARKING LOT	875.19

NOTE: N. INV. OF MH F-4 IS TEMPORARY, CAP AND FILL WITH HYDRAULIC CEMENT AFTER NEW SEWER FROM WEST REACHES MH F-4

NOTE: NORTHWEST OPENING TO BE CORED AND BOOT INSTALLED AFTER NEW SEWER FROM WEST REACHES MH F-4. BUILD MH F-4 WITH 2 FOOT SUMP TO FACILITATE PUMPING DURING CONSTRUCTION. MH F-4 BENCH NOT TO BE PRECAST, BUT SUMP TO BE FILLED WITH CONRETE AND BENCH TO BE CAST IN-FIELD AFTER SEWER TO WEST REACHES MH F-4

EX. SANITARY MH F-3
RIM = 875.56
NE. INV. = 869.16
SE. INV. = 869.23

EX. SANITARY MH F-2
RIM = 873.94
SW. INV. = 869.04
NW. INV. = 869.34
NW. INV. = 869.04

NEW SANITARY MH F-4
RIM = 875.11
SE. INV. = 863.19
NE. INV. = 869.19
E. INV. = 864.16
N. INV. = 869.17
NW. INV. = 863.09

EX. SANITARY MH F-4
RIM = 875.00
NW. INV. = 869.17
SE. INV. = 869.23
NE. INV. = 869.24

EX. SANITARY MH F-13
RIM = 875.18
SE. INV. = 869.32
E. INV. = 869.32
NW. INV. = 869.32

NEW SANITARY MH F-13
RIM = 875.25
SE. INV. = 863.58
E. INV. = 869.12
E. INV. = 864.54
NW. INV. = 863.48

EX. SANITARY MH F-22
RIM = 875.20
SE. INV. = 869.38
S. INV. = 869.48
NW. INV. = 869.34

EX. SANITARY MH F-25
RIM = 875.88
SE. INV. = 869.83
NW. INV. = 869.83

NEW SANITARY MH F-25
RIM = 877.09
SE. INV. = 864.22
NW. INV. = 864.12

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

7' MIN. COVER OVER MAIN

7.5' MIN. COVER OVER MAIN

EX. 12" SAN.

EX. 12" SANITARY SEWER

EX. 12" SANITARY SEWER

EX. 12" SANITARY SEWER

NEW 12" D.I. WATER MAIN

INSTALL HIGH POINT IN MAIN AT HYDRANT TEE

WATER MAIN OFFSET UNDER CREEK

NEW 24" STEEL CASING (WATER MAIN AND SANITARY SEWER)

109 L.F. NEW 15" PVC SANITARY SEWER @ 0.22%

130 L.F. NEW 15" PVC SANITARY SEWER @ 0.22%

247 L.F. NEW 15" PVC SANITARY SEWER @ 0.22%

268 L.F. NEW 15" PVC SANITARY SEWER @ 0.22%

878 876 874 872 870 868 866 864 862

144+00 145+00 146+00 147+00 148+00 149+00 150+00

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 11	E

CROSS PLAINS FAMILY CHIROPRACTOR
US CELLULAR
2525 MAIN ST

STATE BANK OF CROSS PLAINS
2535 MAIN ST

ALL AMERICAN LIQUOR
2543 MAIN ST

GLACIERS EDGE SQUARE

THE HAIR CHAMBER
C. ZANDER
2563 MAIN ST

NOTE: NEW WATER AND SANITARY LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW LATERALS

MATCH LINE STA. 150+00

MATCH LINE STA. 156+00

CLAY CUTOFF

CLAY CUTOFF

NEW HYDRANT, VALVE, AND TEE

EX. SANITARY MH F-26

NEW SANITARY MH F-26

EX. SANITARY MH F-27

NEW SANITARY MH F-27

EX. SANITARY MH F-28

NEW SANITARY MH F-28

FLUOROCARBON GASKETS REQUIRED ON WATER MAIN AND FITTINGS STA. 144+00 TO STA. 151+75

NEW STORM SEWER

R/W

PL

BENCH MARKS			
NO.	STATION, OFFSET	DESCRIPTION	ELEV.
16	155+15.60, 29.56', LT	PK NAIL IN CURB	881.79

WIS DNR

NEW SANITARY MH F-26
RIM = 877.24
E. INV. = 864.91
NE. INV. = 870.48
NW. INV. = 864.81

EX. SANITARY MH F-26
RIM = 877.64
SE. INV. = 870.79
NE. INV. = 870.54
SE. INV. = 870.79
NW. INV. = 870.76

NEW SANITARY MH F-27
RIM = 877.76
SE. INV. = 866.36
W. INV. = 865.00

EX. SANITARY MH F-28
RIM = 878.88
SE. INV. = 871.64
N. INV. = 871.69(LATERAL)
NW. INV. = 871.46

NEW SANITARY MH F-28
RIM = 882.02
SE. INV. = 870.71
NW. INV. = 870.56

EXISTING CENTERLINE PROFILE

FINISHED CENTERLINE PROFILE

7' MIN. COVER OVER MAIN

EX. SANITARY MH F-27
RIM = 878.04
SE. INV. = 871.14
NW. INV. = 871.04
NW. INV. = 871.09

EX. 12" SANITARY SEWER

EX. 12" SANITARY SEWER

EX. 8" SANITARY SEWER

EX. SANITARY SEWER TWIN 6" INVERTED SIPHONS

EX. 5'X8' BOX CULVERT AT WATER MAIN CROSSING

NEW 12" D.I. WATER MAIN

369 L.F. NEW 12" PVC SANITARY SEWER @ 1.1%

WATER MAIN OFFSET TO PROVIDE 18" MINIMUM CLEARANCE BELOW BOX CULVERT

NEW 15" PVC SANITARY SEWER @ 0.22%

39 L.F. NEW 15" PVC SANITARY SEWER @ 0.22%

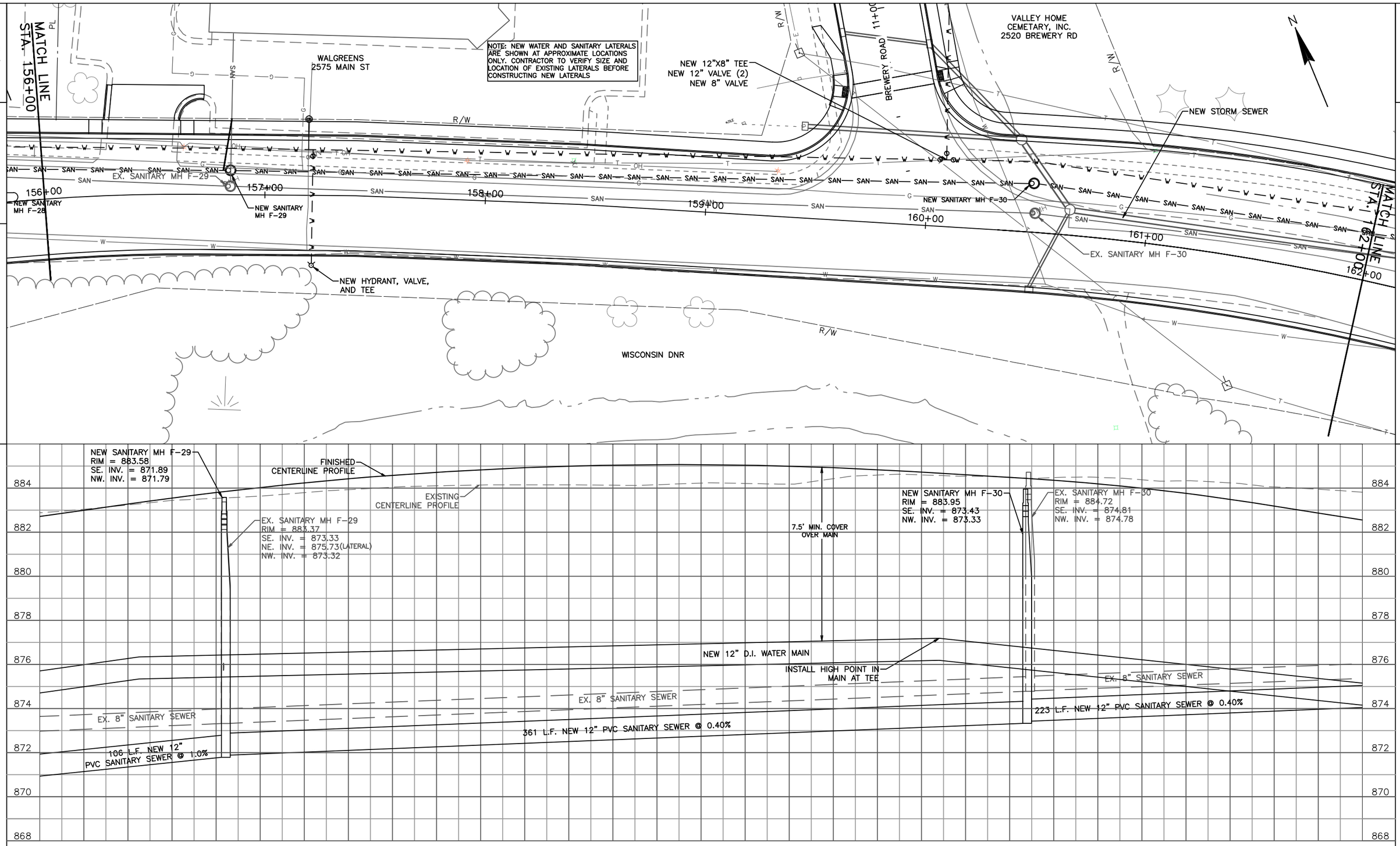
NEW 24" STEEL CASING

881 879 877 875 873 871 869 867 865 863

150+00 151+00 152+00 153+00 154+00 155+00 156+00

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 12	E

FILE NAME : USH 14 MAIN.dwg | PLOT DATE : 10/14/2014 | PLOT BY : SVP | PLOT NAME : | PLOT SCALE : 1"=40' HOR. 1"=4' VERT. | WISDOT/CADDS SHEET 40



PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 13	E

FILE NAME : USH 14 MAIN.dwg PLOT DATE : 10/14/2014 PLOT BY : SVP PLOT NAME : PLOT SCALE : 1"=40' HOR. 1"=4' VERT.

NEW 12"X8" TEE
NEW 12" VALVE
NEW 8" VALVE
NEW STORM SEWER
WESTVIEW COURT
NEW SANITARY MH F-32
EX. SANITARY MH F-32
NEW SANITARY MH F-31
EX. SANITARY MH F-3
MATCH LINE STA. 162+00
R/W
GUY
163+00
164+00
165+00
166+00
167+00
168+00

EX. SANITARY MH F-31
RIM = 883.86
SE. INV. = 875.65
NW. INV. = 875.62

NEW SANITARY MH F-31
RIM = 881.39
SE. INV. = 874.43
NW. INV. = 874.33

EX. SANITARY MH F-32
RIM = 883.94
NE. INV. = 876.52
NW. INV. = 876.49

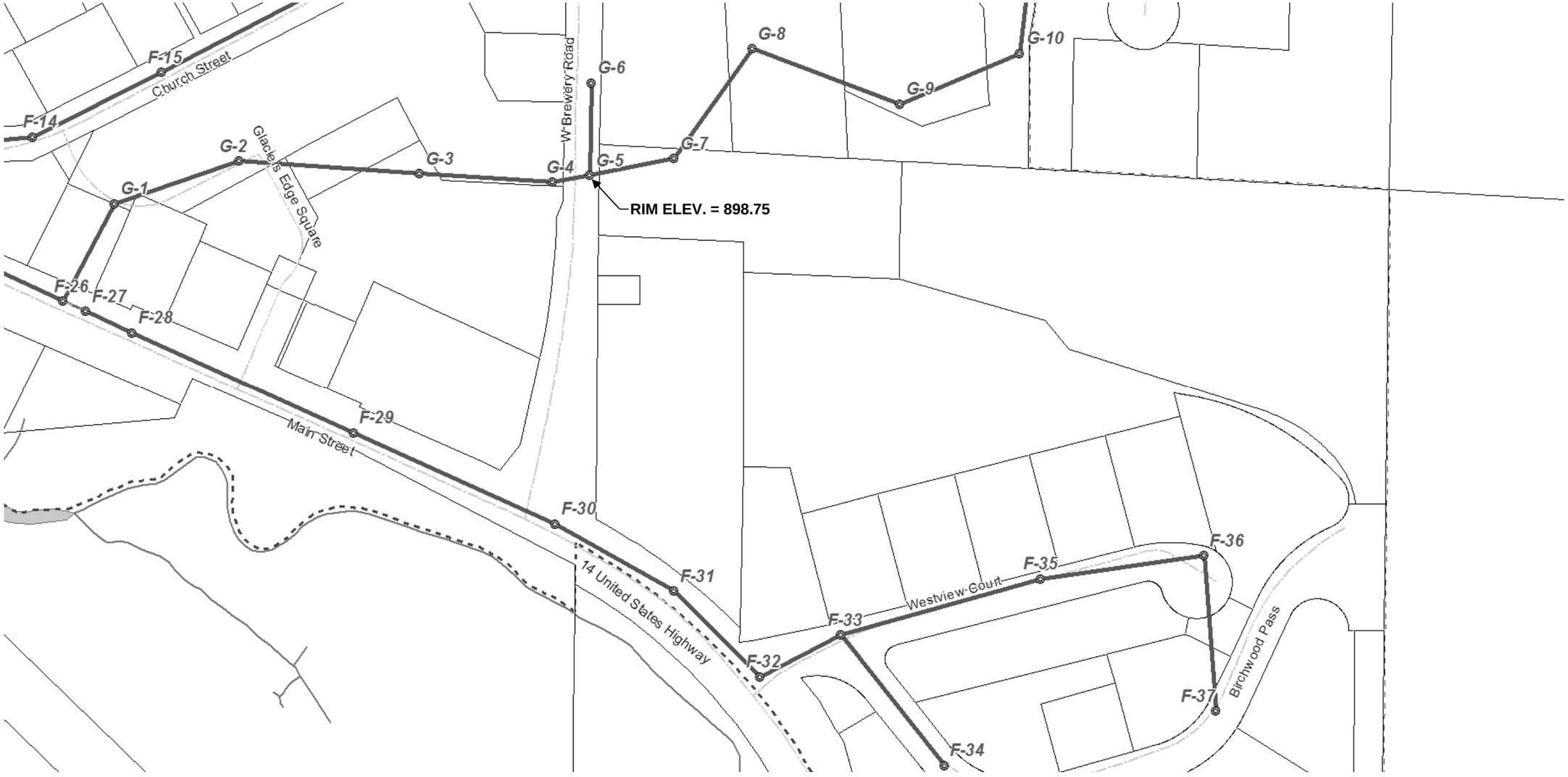
NEW SANITARY MH F-32
RIM = 881.82
NE. INV. = 876.43
NW. INV. = 875.22

EXISTING CENTERLINE PROFILE
FINISHED CENTERLINE PROFILE
7' MIN. COVER OVER MAIN
EX. 8" SANITARY SEWER
NEW 12" PVC SAN. @ 0.40%
201 L.F. NEW 12" PVC SANITARY SEWER @ 0.40%
NEW 12" D.I. WATER MAIN

885
883
881
879
877
875
873
871
869

PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SANITARY SEWER AND WATER MAIN	SHEET 14 E

FILE NAME : USH 14 MAIN.dwg | PLOT DATE : 10/14/2014 | PLOT BY : SVP | PLOT NAME : | PLOT SCALE : 1"=40' HOR. 1"=4' VERT. | WISDOT/CADDS SHEET 40



PROJECT NO: 5310-02-73	HWY: USH 14	COUNTY: DANE	PARTIAL VILLAGE EXISTING SANITARY SEWER SYSTEM (FOR BYPASS PUMPING PLANNING)	SHEET E

X:\3230900-113688.11\TECH\Misc Quantities

PLOT SCALE : 100.0 :1.0

DATE 03DEC14 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	5310-02-73 QUANTITY
0260	204.0250	ABANDONING MANHOLES	EACH	1.000	1.000
1160	619.1000	MOBILIZATION	EACH	0.370	0.370
2520	SPV.0035	SPECIAL 01. SELECT BACKFILL	CY	7,500.000	7,500.000
2680	SPV.0060	SPECIAL 16. SANITARY SERVICE LATERAL WYES 18-INCH X 8-INCH	EACH	2.000	2.000
2690	SPV.0060	SPECIAL 17. EXISTING SANITARY SEWER CONNECTIONS	EACH	16.000	16.000
2700	SPV.0060	SPECIAL 18. SANITARY SERVICE LATERAL WYES 18-INCH X 6-INCH	EACH	61.000	61.000
2710	SPV.0060	SPECIAL 19. SANITARY SERVICE LATERAL CAPS	EACH	30.000	30.000
2720	SPV.0060	SPECIAL 20. SANITARY SERVICE LATERAL CONNECTIONS	EACH	40.000	40.000
2730	SPV.0060	SPECIAL 21. SANITARY SERVICE LATERAL TRACING SYSTEMS	EACH	67.000	67.000
2740	SPV.0060	SPECIAL 22. SANITARY MANHOLE REMOVAL	EACH	28.000	28.000
2750	SPV.0060	SPECIAL 23. SANITARY MANHOLE CASTINGS	EACH	29.000	29.000
2760	SPV.0060	SPECIAL 24. SANITARY MANHOLE CHIMNEY SEALS, EXTERNAL	EACH	28.000	28.000
2770	SPV.0060	SPECIAL 25. WATER MAIN OFFSET 12-INCH BREWERY CREEK	EACH	1.000	1.000
2780	SPV.0060	SPECIAL 26. WATER MAIN INSULATION	EACH	1.000	1.000
2790	SPV.0060	SPECIAL 27. EXISTING WATER MAIN CONNECTIONS	EACH	11.000	11.000
2800	SPV.0060	SPECIAL 28. GATE VALVES AND BOXES 12-INCH	EACH	21.000	21.000
2810	SPV.0060	SPECIAL 29. GATE VALVES AND BOXES 8-INCH	EACH	11.000	11.000
2820	SPV.0060	SPECIAL 30. GATE VALVES AND BOXES 6-INCH	EACH	16.000	16.000
2830	SPV.0060	SPECIAL 31. GATE VALVES AND BOXES 4-INCH	EACH	2.000	2.000
2840	SPV.0060	SPECIAL 32. ABANDON GATE VALVES AND BOXES	EACH	20.000	20.000
2850	SPV.0060	SPECIAL 33. EXISTING HYDRANT REMOVALS	EACH	9.000	9.000
2860	SPV.0060	SPECIAL 34. NEW HYDRANTS	EACH	17.000	17.000
2870	SPV.0060	SPECIAL 35. CORPORATION STOPS 1-INCH	EACH	65.000	65.000
2880	SPV.0060	SPECIAL 36. CORPORATION STOPS 2-INCH	EACH	2.000	2.000
2890	SPV.0060	SPECIAL 37. CURB STOPS 1-INCH	EACH	65.000	65.000
2900	SPV.0060	SPECIAL 38. CURB STOPS 2-INCH	EACH	2.000	2.000
2910	SPV.0060	SPECIAL 39. WATER SERVICE LATERAL RECONNECTIONS	EACH	63.000	63.000
2940	SPV.0060	SPECIAL 48. SANITARY SERVICE LATERAL WYES 15-INCH X 6-INCH	EACH	2.000	2.000
2950	SPV.0060	SPECIAL 49. SANITARY SERVICE LATERAL WYES 12-INCH X 6-INCH	EACH	2.000	2.000
2960	SPV.0060	SPECIAL 50. SANITARY SERVICE LATERAL WYES 8-INCH X 6-INCH	EACH	2.000	2.000
3020	SPV.0060	SPECIAL 56. WATER MAIN OFFSET 12-INCH UNDER ENCHANTED VALLEY DRAINAGEWAY BOX CULVERT	EACH	1.000	1.000
3060	SPV.0090	SPECIAL 02. SANITARY SEWER PVC 18-INCH 13 FEET DEPTH OR LESS	LF	1,662.000	1,662.000
3070	SPV.0090	SPECIAL 03. SANITARY SEWER PVC 18-INCH 13 FEET DEPTH TO 16 FEET DEPTH	LF	1,477.000	1,477.000
3080	SPV.0090	SPECIAL 04. SANITARY SEWER PVC 18-INCH 16 FEET DEPTH OR GREATER	LF	556.000	556.000
3090	SPV.0090	SPECIAL 05. SANITARY SEWER PVC 15-INCH	LF	893.000	893.000
3100	SPV.0090	SPECIAL 06. SANITARY SEWER PVC 12-INCH	LF	1,293.000	1,293.000
3110	SPV.0090	SPECIAL 07. SANITARY SEWER PVC 8-INCH	LF	246.000	246.000

DATE 03DEC14 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	5310-02-73 QUANTITY
3120	SPV.0090	SPECIAL 08. STEEL CASING 24-INCH BY OPEN CUT METHODS	LF	198.000	198.000
3130	SPV.0090	SPECIAL 09. WATER MAIN DUCTILE IRON 12-INCH	LF	6,031.000	6,031.000
3140	SPV.0090	SPECIAL 10. WATER MAIN DUCTILE IRON 8-INCH	LF	442.000	442.000
3150	SPV.0090	SPECIAL 11. WATER MAIN DUCTILE IRON 6-INCH	LF	364.000	364.000
3160	SPV.0090	SPECIAL 12. WATER MAIN DUCTILE IRON 4-INCH	LF	90.000	90.000
3170	SPV.0090	SPECIAL 13. WATER SERVICE LATERALS 1-INCH	LF	2,016.000	2,016.000
3180	SPV.0090	SPECIAL 14. WATER SERVICE LATERALS 2-INCH	LF	129.000	129.000
3190	SPV.0090	SPECIAL 15. SANITARY SERVICE LATERAL PVC 6-INCH	LF	2,253.000	2,253.000
3200	SPV.0090	SPECIAL 16. SANITARY SERVICE LATERAL PVC 8-INCH	LF	67.000	67.000
3220	SPV.0090	SPECIAL 18. STEEL CASING 24-INCH BY BORING	LF	29.000	29.000
3460	SPV.0105	SPECIAL 24. DEWATERING	LS	1.000	1.000
3510	SPV.0105	SPECIAL 30. CONSTRUCTION STAKING STORM SEWER WATER BASIN	LS	1.000	1.000
3520	SPV.0105	SPECIAL 31. TEMPORARY WATER SYSTEM	LS	1.000	1.000
3580	SPV.0200	SPECIAL 01. SANITARY SERVICE LATERAL RISERS	VF	246.000	246.000
3590	SPV.0200	SPECIAL 02. STANDARD SANITARY MANHOLE MASONRY 48-INCH DIAMETER	VF	263.930	263.930
3600	SPV.0200	SPECIAL 03. DROP SANITARY MANHOLE MASONRY 48-INCH DIAMETER	VF	63.350	63.350

SANITARY SEWER MANHOLES

STATION	OFFSET	SPV.0060.23 SANITARY MANHOLE CASTINGS EACH	SPV.0060.24 SANITARY MANHOLE CHIMNEY SEALS, EXTERNAL EACH	SPV.0200.02 STANDARD SANITARY MANHOLE MASONRY 48-INCH DIAMETER VERTICAL FEET	SPV.0200.03 DROP SANITARY MANHOLE MASONRY 48-INCH DIAMETER VERTICAL FEET	SPV.0060.22 SANITARY MANHOLE REMOVAL EACH	204.0250 ABANDONING MANHOLES EACH
105+21	25.4' LT	1	---	---	---	---	---
105+87	23.3' LT	---	---	---	---	1	---
105+89	7.9 'L	1	1	11.6	---	---	---
107+62	0'	1	1	7	4.63	---	---
107+63	15.1' LT	---	---	---	---	1	---
107+63	2.7' RT	---	---	---	---	---	---
110+96	0'	1	1	6.95	4.46	---	---
110+98	16.1' LT	---	---	---	---	1	---
114+34	0'	1	1	11.45	---	---	---
114+36	13.8' LT	---	---	---	---	1	---
117+60	0'	1	1	5.43	3.93	---	---
117+60	15.0' LT	---	---	---	---	1	---
117+72	127' RT	1	1	3.35	---	---	---
117+97	128' RT	1	1	3.59	3.49	---	---
120+81	0'	1	1	13.15	---	---	---
120+82	12.3' LT	---	---	---	---	1	---
124+04	0	1	1	14.13	---	---	---
124+04	12.4' LT	---	---	---	---	1	---
127+22	0.3' LT	1	1	14.63	---	---	---
127+24	14.8' LT	---	---	---	---	1	---
130+67	19.5' LT	---	---	---	---	1	---
130+69	0.2' LT	1	1	8.09	7.79	---	---
132+65	0.3' LT	1	1	17.15	---	---	---
132+67	12.9' LT	---	---	---	---	1	---
134+67	12.8' LT	---	---	---	---	1	---
134+69	0'	1	1	17.65	---	---	---
136+83	0'	1	1	8.63	8.96	---	---
136+87	12.4' LT	---	---	---	---	1	---
139+79	15.4' LT	---	---	---	---	1	---
139+79	17.9' LT	1	1	5.72	8.79	---	---
142+49	43.6' LT	---	---	---	---	1	---
142+63	34.1' LT	1	1	5.76	5.99	---	---
142+63	47.7' LT	---	---	---	---	1	---
142+68	10.8' RT	---	---	---	---	1	---
142+78	32.5' LT	1	1	7.19	4.53	---	---
143+78	27.5' LT	1	1	12.23	---	---	---
144+40	69.2' LT	---	---	---	---	1	---
144+47	39.2' LT	---	---	---	---	1	---
144+90	26.9' LT	1	1	5.16	6	---	---

3

***All quantities shown are associated with Category 0010 unless otherwise noted**

SANITARY SEWER MANHOLES - CONTINUED

STATION	OFFSET	SPV.0060.23 SANITARY MANHOLE CASTINGS EACH	SPV.0060.24 SANITARY MANHOLE CHIMNEY SEALS, EXTERNAL EACH	SPV.0200.02 STANDARD SANITARY MANHOLE MASONRY 48-INCH DIAMETER VF	SPV.0200.03 DROP SANITARY MANHOLE MASONRY 48-INCH DIAMETER VF	SPV.0060.22 SANITARY MANHOLE REMOVAL EACH	204.0250 ABANDONING MANHOLES EACH
144+95	36.9' LT	---	---	---	---	1	---
146+25	26.0' LT	1	1	5.38	4.78	---	---
146+33	35.2' LT	---	---	---	---	1	---
146+38	35.3' LT	---	---	---	---	1	---
146+90	106.3' RT	---	---	---	---	---	1
148+79	51.5' LT	---	---	---	---	1	---
148+81	34.6' LT	1	1	12.22	---	---	---
151+56	35.2' LT	1	1	11.68	---	---	---
151+57	46.2' LT	---	---	---	---	1	---
151+97	45.0' LT	---	---	---	---	1	---
151+99	35.6' LT	1	1	12.01	---	---	---
152+82	43.0' LT	---	---	---	---	1	---
155+75	15.5' LT	1	1	10.71	---	---	---
156+83	3.9' LT	---	---	---	---	1	---
156+83	11.0' LT	1	1	11.04	---	---	---
160+47	22.0' LT	1	1	9.87	---	---	---
160+48	8.6' LT	---	---	---	---	1	---
162+69	28.5' LT	1	1	6.31	---	---	---
162+70	20.6' LT	---	---	---	---	1	---
164+69	25.8' LT	1	1	5.85	---	---	---
TOTAL		29	28	263.93	63.35	28	1

***All quantities shown are associated with Category 0010 unless otherwise noted**

SANITARY SEWER PIPE ITEMS

STATION	SPV.0060.16 SANITARY SERVICE LATERAL WYES 18-INCH X 8-INCH EACH	SPV.0060.17 EXISTING SANITARY SEWER CONNECTIONS EACH	SPV.0060.18 SANITARY SERVICE LATERAL WYES 18-INCH X 6-INCH EACH	SPV.0060.19 SANITARY SERVICE LATERAL CAPS EACH	SPV.0060.20 SANITARY SERVICE LATERAL CONNECTIONS EACH	SPV.0060.21 SANITARY SERVICE LATERAL TRACING SYSTEMS EACH	SPV.0060.48 SANITARY SERVICE LATERAL WYES 15-INCH X 6-INCH EACH
105+21 - 105+89	---	1	---	`	---	---	---
105+89 - 107+62	---	2	2	---	2	2	---
107+62 - 110+96	1	1	5	4	2	6	---
110+96 - 114+34	---	---	5	1	5	5	---
114+34 - 117+60	---	1	6	2	4	6	---
117+61 - 117+72	---	2	---	2	---	---	---
117+60 - 120+81	---	---	5	2	3	5	---
120+81 - 124+04	---	---	9	4	5	9	---
124+04 - 127+22	---	---	8	4	4	8	---
127+22 - 130+69	1	1	3	2	2	4	---
130+69 - 132+65	---	---	2	1	1	2	---
132+65 - 134+69	---	---	7	2	5	7	---
134+69 - 136+83	---	1	5	4	1	5	---
136+83 - 139+77	---	1	2	1	1	2	---
139+77 - 142+60	---	1	2	---	2	2	---
142+60 - 142+75	---	1	---	---	---	---	---
142+75 - 143+78	---	---	---	---	---	---	---
143+78 - 144+90	---	1	---	---	---	---	---
144+90 - 146+25	---	1	---	1	---	1	1
146+25 - 148+81	---	---	---	---	1	1	1
148+81 - 151+56	---	1	---	---	---	---	---
151+56 - 151+99	---	---	---	---	---	---	---
151+99 - 154+70	---	---	---	---	1	1	---
154+70 - 156+83	---	---	---	---	1	1	---
156+83 - 160+47	---	---	---	---	---	---	---
160+47 - 162+69	---	---	---	---	---	---	---
162+69 - 164+69	---	1	---	---	---	---	---
TOTAL	2	16	61	30	40	67	2

3

***All quantities shown are associated with Category 0010 unless otherwise noted**

SANITARY SEWER PIPE ITEMS - CONTINUED

STATION	SPV.0060.49 SANITARY SERVICE LATERAL WYES 12-INCH X 6-INCH EACH	SPV.0060.50 SANITARY SERVICE LATERAL WYES 8-INCH X 6-INCH EACH	SPV.0090.02 SANITARY SEWER PVC 18-INCH 13 FEET DEPTH OR LESS LF	SPV.0090.03 SANITARY SEWER PVC 18-INCH 13 FEET DEPTH TO 16 FEET DEPTH LF	SPV.0090.04 SANITARY SEWER PVC 18-INCH 16 FEET DEPTH OR GREATER LF	SPV.0090.05 SANITARY SEWER PVC 15-INCH LF	SPV.0090.06 SANITARY SEWER PVC 12-INCH LF
105+21 - 105+89	---	---	64	---	---	---	---
105+89 - 107+62	---	---	168	---	---	---	---
107+62 - 110+96	---	---	330	---	---	---	---
110+96 - 114+34	---	---	334	---	---	---	---
114+34 - 117+60	---	---	322	---	---	---	---
117+61 - 117+72	---	2	---	---	---	---	---
117+60 - 120+81	---	---	317	---	---	---	---
120+81 - 124+04	---	---	---	319	---	---	---
124+04 - 127+22	---	---	---	314	---	---	---
127+22 - 130+69	---	---	---	343	---	---	---
130+69 - 132+65	---	---	---	191	---	---	---
132+65 - 134+69	---	---	---	---	200	---	---
134+69 - 136+83	---	---	---	---	211	---	---
136+83 - 139+77	---	---	---	145	145	---	---
139+77 - 142+60	---	---	116	165	---	---	21
142+60 - 142+75	---	---	11	---	---	---	---
142+75 - 143+78	---	---	---	---	---	100	---
143+78 - 144+90	---	---	---	---	---	109	---
144+90 - 146+25	---	---	---	---	---	130	---
146+25 - 148+81	---	---	---	---	---	247	---
148+81 - 151+56	---	---	---	---	---	268	12
151+56 - 151+99	---	---	---	---	---	39	---
151+99 - 154+70	1	---	---	---	---	---	264
154+70 - 156+83	1	---	---	---	---	---	211
156+83 - 160+47	---	---	---	---	---	---	361
160+47 - 162+69	---	---	---	---	---	---	223
162+69 - 164+69	---	---	---	---	---	---	201
TOTAL	2	2	1662	1477	556	893	1293

***All quantities shown are associated with Category 0010 unless otherwise noted**

3

SANITARY SEWER PIPE ITEMS - CONTINUED

STATION	SPV.0090.07 SANITARY SEWER PVC 8-INCH LF	SPV.0090.08 STEEL CASING 24-INCH BY OPEN CUT METHODS LF	SPV.0090.15 SANITARY SERVICE LATERAL PVC 6-INCH LF	SPV.0090.16 SANITARY SERVICE LATERAL PVC 8-INCH LF	SPV.0090.18 STEEL CASING 24-INCH BY BORING LF	SPV.0200.01 SANITARY SERVICE LATERAL RISERS VF
105+21 - 105+89	---	---	---	---	---	---
105+89 - 107+62	16	---	68	---	---	7.83
107+62 - 110+96	16	---	174	37	---	19.41
110+96 - 114+34	---	---	272	---	---	9.51
114+34 - 117+60	15	---	203	---	---	12.74
117+61 - 117+72	123	---	44	---	---	---
117+60 - 120+81	---	---	168	---	---	16.27
120+81 - 124+04	---	---	301	---	---	35.42
124+04 - 127+22	---	---	261	---	---	35.13
127+22 - 130+69	20	---	100	30	---	12.81
130+69 - 132+65	---	---	52	---	---	10.09
132+65 - 134+69	---	---	177	---	---	31.69
134+69 - 136+83	14	---	129	---	---	25.11
136+83 - 139+77	17	---	51	---	---	10.92
139+77 - 142+60	---	---	75	---	---	9.82
142+60 - 142+75	---	---	---	---	---	---
142+75 - 143+78	---	---	---	---	---	---
143+78 - 144+90	12	198	---	---	---	
144+90 - 146+25	13	---	36	---	---	4.80
146+25 - 148+81	---	---	88	---	---	4.62
148+81 - 151+56	---	---	---	---	---	---
151+56 - 151+99	---	---	---	---	29	---
151+99 - 154+70	---	---	30	---	---	---
154+70 - 156+83	---	---	24	---	---	---
156+83 - 160+47	---	---	---	---	---	---
160+47 - 162+69	---	---	---	---	---	---
162+69 - 164+69	---	---	---	---	---	---
TOTAL	246	198	2253	67	29	246

SPV.0105.24 DEWATERING
1 LUMP SUM

SELECT BACKFILL

CATEGORY	LOCATION	SPV.0035.01 SELECT BACKFILL (CY)
	UNDISTRIBUTED	7500
TOTAL		

***All quantities shown are associated with Category 0010 unless otherwise noted**

WATER MAIN

STATION	SPV.0060.28 GATE VALVES AND BOXES 12-INCH EACH	SPV.0060.29 GATE VALVES AND BOXES 8-INCH EACH	SPV.0060.30 GATE VALVES AND BOXES 6-INCH EACH	SPV.0060.31 GATE VALVES AND BOXES 4-INCH EACH	SPV.0060.32 ABANDON GATE VALVES AND BOXES EACH
105+15 18' RT	1	---	---	---	---
105+46 16' RT	---	---	---	---	1
107+70 11' LT	1	---	---	---	---
107+73 14' LT	---	1	---	---	---
107+76 11' LT	1	---	---	---	---
108+35 14' LT	---	---	1	---	---
108+76 15' RT	---	---	---	---	1
110+50 7' LT	---	---	---	1	---
111+49 13' LT	---	---	1	---	---
111+52 10' LT	1	---	---	---	---
111+54 15' RT	---	---	---	---	---
114+77 12' LT	---	---	1	---	---
114+81 9' LT	1	---	---	---	---
117+34 13' RT	---	---	---	---	1
117+52 6' LT	---	1	---	---	---
117+53 9' LT	1	---	---	---	---
117+55 35' LT	---	---	---	---	1
117+56 12' LT	---	1	---	---	---
117+59 9' LT	1	---	---	---	---
117+85 12' RT	---	---	---	---	1
117+97 119' RT	---	---	1	---	---
118+10 10' LT	---	---	1	---	---
118+88 5' LT	---	---	---	1	---
121+19 13' LT	---	---	1	---	---
124+25 14' RT	---	---	---	---	1
124+49 13' LT	---	---	1	---	---
127+62 14' LT	---	---	1	---	---
130+42 9' LT	1	---	---	---	---
130+45 12' LT	---	1	---	---	---
130+46 34' LT	---	---	---	---	1
130+45 16' RT	---	---	1	---	---
130+48 9' LT	1	---	---	---	---
130+89 12' RT	---	---	---	---	1
132+24 10' LT	---	---	1	---	---
136+74 14' LT	---	---	1	---	---
137+17 25' LT	---	---	---	---	1
137+19 9' LT	1	---	---	---	---
137+22 12' LT	---	1	---	---	---
137+25 9' LT	1	---	---	---	---
139+62 19' LT	1	---	---	---	---
139+65 22' LT	---	1	---	---	---
139+68 20' LT	1	---	---	---	---
139+83 1' RT	---	---	---	---	1
139+90 20' LT	---	---	1	---	---
142+72 19' LT	---	---	---	---	1
142+74 43' LT	1	---	---	---	---
142+77 46' LT	---	1	---	---	---
142+78 63' LT	---	---	---	---	1
142+80 43' LT	1	---	---	---	---
142+81 61' LT	---	---	1	---	---
142+82 20' LT	---	---	---	---	1
145+12 10' RT	---	---	---	---	1
145+16 37' LT	1	---	---	---	---
145+19 40' LT	---	1	---	---	---
145+22 37' LT	1	---	---	---	---
145+65 4' RT	---	---	---	---	1

WATER MAIN - CONTINUED

STATION	SPV.0060.28 GATE VALVES AND BOXES 12-INCH EACH	SPV.0060.29 GATE VALVES AND BOXES 8-INCH EACH	SPV.0060.30 GATE VALVES AND BOXES 6-INCH EACH	SPV.0060.31 GATE VALVES AND BOXES 4-INCH EACH	SPV.0060.32 ABANDON GATE VALVES AND BOXES EACH
146+60 56' LT	---	---	---	---	1
146+83 13' RT	---	---	---	---	1
147+26 44' LT	1	---	---	---	---
147+29 47' LT	1	---	---	---	---
147+32 44' LT	1	---	---	---	---
147+74 3' RT	---	---	---	---	1
148+58 48' LT	---	---	1	---	---
154+24 50' LT	---	---	1	---	---
155+46 15' RT	---	---	---	---	1
155+49 13' RT	---	---	---	---	1
160+05 30' LT	---	1	---	---	---
160+08 33' LT	---	---	1	---	---
160+11 30' LT	---	1	---	---	---
164+58 35' LT	1	---	---	---	---
164+62 38' LT	---	1	---	---	---
TOTAL	21	11	16	2	20

3

***All quantities shown are associated with Category 0010 unless otherwise noted**

WATER MAIN - CONTINUED

STATION	SPV.0060.25 WATER MAIN OFFSET 12-INCH BREWERY CREEK EACH	SPV.0060.26 WATER MAIN INSULATION EACH	SPV.0060.27 EXISTING WATER MAIN CONNECTIONS EACH	SPV.0060.56 WATER MAIN OFFSET 12-INCH UNDER ENCHANTED VALLEY DRAINAGEWAY BOX CULVERT EACH	SPV.0090.09 WATER MAIN DUCTILE IRON 12-INCH LF	SPV.0090.10 WATER MAIN DUCTILE IRON 8-INCH LF	SPV.0090.11 WATER MAIN DUCTILE IRON 6-INCH LF	SPV.0090.12 WATER MAIN DUCTILE IRON 4-INCH LF
105+11-164+61	---	---	1	---	5965	---	---	---
107+74 LT	---	---	1	---	---	49	---	---
108+35 LT	---	---	---	---	---	---	13	47
110+50 RT	---	---	---	---	---	---	---	---
111+49 LT	---	---	---	---	---	---	14	---
114+60 LT	---	1	---	---	---	---	---	---
114+78 LT	---	---	---	---	---	---	15	---
117+52 LT	---	---	1	---	---	33	---	---
117+52 RT	---	1	---	---	---	140	---	---
118+00 RT	---	---	---	---	---	---	33	---
118+10 LT	---	---	---	---	---	---	16	43
118+88 RT	---	---	---	---	---	---	---	---
121+19 LT	---	---	---	---	---	---	14	---
124+49 LT	---	---	---	---	---	---	14	---
127+62 LT	---	---	---	---	---	---	17	---
130+45 RT	---	---	---	---	---	---	30	---
130+45 LT	---	---	1	---	---	28	---	---
132+23 LT	---	---	---	---	---	---	19	---
136+74 LT	---	---	---	---	---	---	19	---
137+22 LT	---	---	1	---	---	38	---	---
139+67 LT	---	---	1	---	---	22	---	---
139+94 RT	---	---	---	---	---	---	44	---
142+77 LT	---	---	1	---	---	20	---	---
142+78-143+01	---	---	---	---	---	---	23	---
143+87-144+85	1	---	---	---	---	---	---	---
145+19 LT	---	---	1	---	---	38	---	---
145+56 LT	---	---	---	---	---	---	18	---
147+29 LT	---	---	1	---	66	---	---	---
148+59 LT	---	---	---	---	---	---	10	---
151+75 LT	---	---	---	1	---	---	---	---
154+24 LT	---	---	---	---	---	---	12	---
157+22 RT	---	---	---	---	---	---	53	---
160+08 LT	---	---	1	---	---	68	---	---
164+62 LT	---	---	1	---	---	6	---	
TOTAL	1	2	11	1	6031	442	364	90

***All quantities shown are associated with Category 0010 unless otherwise noted**

WATER SERVICE

STATION	SPV.0060.35 CORPORATION STOPS 1-INCH EACH	SPV.0060.36 CORPORATION STOPS 2-INCH EACH	SPV.0060.37 CURB STOPS 1-INCH EACH	SPV.0060.38 CURB STOPS 2-INCH EACH	SPV.0060.39 WATER SERVICE LATERAL RECONNECTIONS EACH	SPV.0090.13 WATER SERVICE LATERALS 1-INCH LF	SPV.0090.14 WATER SERVICE LATERALS 2-INCH LF
106+78 37' RT	1	---	1	---	1	47	---
107+11 34' RT	1	---	1	---	1	45	---
108+76 33' RT	---	1	---	1	1	---	40
111+87 32' LT	1	---	1	---	1	23	---
112+36 31' LT	1	---	1	---	1	23	---
113+19 31' LT	1	---	1	---	1	23	---
113+68 31' LT	1	---	1	---	1	23	---
114+09 26' RT	1	---	1	---	1	39	---
114+86 31' LT	1	---	1	---	1	25	---
114+91 37' RT	1	---	1	---	1	48	---
115+68 38' RT	1	---	1	---	1	48	---
115+70 31' LT	1	---	1	---	1	25	---
116+35 31' LT	1	---	1	---	1	25	---
117+10 38' RT	1	---	1	---	1	47	---
118+12 33' LT	1	---	1	---	1	27	---
118+88 33' LT	1	---	1	---	1	26	---
119+36 33' LT	1	---	1	---	1	26	---
119+49 44' RT	1	---	1	---	1	43	---
120+12 33' LT	1	---	1	---	1	25	---
120+99 34' RT	1	---	1	---	1	45	---
121+00 34' RT	1	---	1	---	1	45	---
121+21 33' LT	1	---	1	---	1	24	---
121+86 33' LT	1	---	1	---	1	24	---
121+86 34' RT	1	---	1	---	1	45	---
122+37 34' RT	1	---	1	---	1	45	---
122+71 34' RT	1	---	1	---	1	45	---
122+79 33' LT	1	---	1	---	1	24	---
123+48 34' RT	1	---	1	---	1	45	---
123+62 33' LT	1	---	1	---	1	24	---
124+32 34' RT	1	---	1	---	1	44	---
124+56 32' LT	1	---	1	---	1	24	---
125+33 32' LT	1	---	1	---	1	25	---
125+40 34' RT	1	---	1	---	1	43	---
125+96 32' LT	1	---	1	---	1	25	---
126+20 34' RT	1	---	1	---	1	44	---
126+93 32' RT	1	---	1	---	---	43	---
126+82 29' LT	1	---	1	---	1	20	---
127+66 36' LT	1	---	1	---	1	27	---
128+51 30' LT	1	---	1	---	1	18	---
129+31 28' RT	1	---	1	---	1	40	---
129+84 30' LT	1	---	1	---	---	24	---
129+92 29' RT	1	---	1	---	1	40	---
131+11 28' RT	1	---	1	---	1	33	---
132+02 24' LT	1	---	1	---	1	20	---
132+63 26' RT	1	---	1	---	1	37	---
133+06 33' LT	1	---	1	---	1	14	---
133+30 21' RT	1	---	1	---	1	32	---
133+64 25' LT	1	---	1	---	1	17	---
133+89 36' RT	1	---	1	---	1	36	---
134+59 23' LT	1	---	1	---	1	16	---
135+03 25' LT	1	---	1	---	1	18	---
135+12 26' RT	1	---	1	---	1	36	---
135+53 23' LT	1	---	1	---	---	14	---
135+79 26' RT	1	---	1	---	1	36	---
137+45 26' RT	1	---	1	---	1	36	---

***All quantities shown are associated with Category 0010 unless otherwise noted**

WATER SERVICE - CONTINUED

STATION	SPV.0060.35 CORPORATION STOPS 1-INCH EACH	SPV.0060.36 CORPORATION STOPS 2-INCH EACH	SPV.0060.37 CURB STOPS 1-INCH EACH	SPV.0060.38 CURB STOPS 2-INCH EACH	SPV.0060.39 WATER SERVICE LATERAL RECONNECTIONS EACH	SPV.0090.13 WATER SERVICE LATERALS 1-INCH LF	SPV.0090.14 WATER SERVICE LATERALS 2-INCH LF
138+20 26' RT	1	---	1	---	1	36	---
138+92 26' RT	1	---	1	---	1	38	---
141+13 30' RT	1	---	1	---	1	65	---
141+73 61' LT	1	---	1	---	1	23	---
145+79 62' LT	1	---	1	---	---	27	---
148+78 43' RT	---	1	---	1	1	---	89
150+17 67' LT	1	---	1	---	1	22	---
151+05 65' LT	1	---	1	---	1	21	---
152+75 66' LT	1	---	1	---	1	21	---
153+96 60' LT	1	---	1	---	1	21	---
155+74 40' LT	1	---	1	---	1	12	---
157+20 34' LT	1	---	1	---	1	14	---
TOTAL	65	2	65	2	63	2016	129

HYDRANTS

STATION	SPV.0060.33 EXISTING HYDRANT REMOVALS EACH	SPV.0060.34 NEW HYDRANTS EACH
108+35 24' LT	---	1
109+25 30' RT	1	---
111+49 24' LT	---	1
114+78 24' LT	---	1
117+44 39' RT	1	---
118+00 119' RT		1
118+10 24' LT	---	1
121+19 24' LT	---	1
123+94 29' RT	1	---
124+49 24' LT	---	1
127+62 28' LT	---	1
128+42 37' LT	1	---
130+46 24' RT	1	1
132+23 27' LT	---	1
135+75 28' RT	1	---
136+74 28' LT	---	1
139+94 21' RT	---	1
142+97 2.9' LT	1	---
143+01 60' LT	---	1
145+56 55' LT	---	1
148+58 55' LT	---	1
154+23 50' LT	---	1
155+45 30' RT	1	---
157+22 32' RT	---	1
161+04 34' RT	1	---
TOTAL	9	17

SPV.0105.31 TEMPORARY WATER SYSTEM
1 LUMP SUM

***All quantities shown are associated with Category 0010 unless otherwise noted**

Notes

Wisconsin Department of Transportation

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